

TYPE II APPLICATION – LAND USE

RECEIVED

File #: <i>PAR21-0002</i>	NOV 2 4 2021
TYPES – PLEASE CHECK ONE: ☐ Design review ☑ Tentative Plan for Partition ☐ Tentative Plan for Subdivision	Type II Major Modification Variance Other: (Explain)
APPLICANT INFORMATION:	
APPLICANT: Zone Holdings (Casey Bernard) ADDRESS: 375 SW VIEWMONT DRIVE, DUNDEE, OR 97115 EMAIL ADDRESS: caseysbernard@yahoo.com PHONE: (503) 997-1608 MOBILE:	
OWNED (if different from above):	FAX: PHONE:
ADDRESS:	
ENGINEER/SURVEYOR: HBH Consulting Engineers, Inc. (Andrey ADDRESS: 501 E First Street, Newberg, OR 97132	PHONE:
GENERAL INFORMATION:	
PROJECT NAME: 601 Blaine Street Partition	PROJECT LOCATION: 601 S Blaine Street
PROJECT DESCRIPTION/USE: Residential MAP/TAX LOT NO. (i.e.3200AB-400): 3219AC-4100	PROJECT VALUATION: ZONE: R-3 SITE SIZE: 56,082 SQ. FT. ACRE TOPOGRAPHY: Mostly flat with steep slopes on the west side
SURROUNDING USES: NORTH: R-1/R-3 Single Family EAST: R-3 Single Family	SOUTH: R-3 Multi-family WEST: R-1 Single Family
SPECIFIC PROJECT CRITERIA AND REQUIREMENTS ARE	ATTACHED
General Checklist: Fees Public Notice Information Curr	ent Title Report 🗹 Written Criteria Response 🗸 Owner Signature
For detailed checklists, applicable criteria for the written crite	ria response, and number of copies per application type, turn to:
Partition Tentative PlatSubdivision Tentative Plat	
The above statements and information herein contained are in all plans must substantially conform to all standards, regulations, and application or submit letters of consent. Incomplete or missing info	respects true, complete, and correct to the best of my knowledge and belief. Tentative procedures officially adopted by the City of Newberg. All owners must sign the rmation may delay the approval process.
Applicant Signature Date	Owner Signature Date Cocco Report Date
Print Name	Print Name



Cash Register Receipt City of Newberg

Receipt Number R10599

DESCRIPTION	ACCOUNT	QTY	PAID
ProjectTRAK			\$1,210.00
PAR21-0002 Address: 601 S BLAINE ST	APN: R3219AC 04100		\$1,210.00
TECHNOLOGY FEE			\$57.00
TECHNOLOGY FEE	01-0000-341006	0	\$57.00
TYPE II			\$1,153.00
PARTITION PRELIMINARY PLAT	01-0000-341003	3	\$1,153.00
TOTAL FEES PAID BY RECEIPT: R10599			\$1,210.00

Date Paid: Wednesday, November 24, 2021

Paid By: ZONE HOLDINGS LLC

Cashier: MF

Pay Method: CHECK 5028





Cash Register Receipt City of Newberg

Receipt Number R10609

DESCRIPTION	ACCOUNT	QTY	PAID
ProjectTRAK			\$312.20
PAR21-0002 Address: 601 S BLAINE ST	APN: R3219AC 04100		\$312.20
ADDITIONAL ENGINEERING DEPT LAND USE REVIEW	FEES		\$296.71
SUBDIVISION, PARTITION & PUD REVIEW	36-8675-3090001	3	\$296.71
TECHNOLOGY FEE			
TECHNOLOGY FEE	01-0000-341006	0	\$15.49
TOTAL FEES PAID BY RECEIPT: R10609			\$312.20

Date Paid: Tuesday, November 30, 2021

Paid By: ZONE HOLDINGS LLC

Cashier: BMGN

Pay Method: OTC CARD 263-01





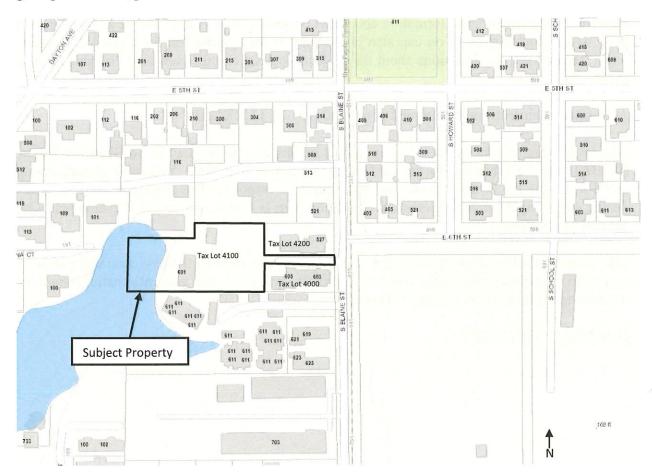
Community Development Department

P.O. Box 970 • 414 E First Street • Newberg, Oregon 97132 503-537-1240. Fax 503-537-1272 www.newbergoregon.gov

WE WANT YOUR COMMENTS ON A PROPOSED NEW DEVELOPMENT IN YOUR NEIGHBORHOOD

A property owner in your neighborhood applied to the City of Newberg to divide one lot into three parcels. The lot sizes will be 37,780 SF, 9,491 SF, and 8,811 SF. Access for the lots will come from S Blaine Street via a new 25' wide driveway that will replace and merge the existing driveway accesses to tax lots 4000 and 4200. The existing home on the existing property will remain as-is. The two lots created directly west of tax lots 4000 and 4200 will become duplexes or single-family homes.

You are invited to take part in the City's review of this project by sending in your written comments. You may also request that the Planning Commission hold a hearing on the application. The applicable criteria used to decide on this application for preliminary partition plan approval are found in Newberg Development Code 15.235.050(A). For more details about giving comments, please see the back of this sheet.



APPLICANT: Zone Holdings TELEPHONE: (503) 977-1608

PROPERTY OWNER: Casey & Shannon Bernard

LOCATION: 601 S Blaine Street

TAX LOT NUMBER: 3219AC-4100

We are mailing you information about this project because you own land within 500 feet of the proposed new lots. We invite you to send any written comments for or against the proposal within 14 days from the date this notice is mailed.

If you mail your comments to the City, please put the following information on the outside of the envelope:

Written Comments: File No.XX City of Newberg Community Development Department PO Box 970 Newberg, OR 97132

You can look over all the information about this project or drop comments off at Newberg City Hall, 414 E. First Street. You can also buy copies of the information for a cost of 25 cents a page. If you have any questions about the project, you can call the Newberg Planning Division at 503-537-1240.

All written comments must be turned in by 4:30 p.m. on 11/XX/2021.

Any issue which might be raised in an appeal of this case to the Land Use Board of Appeals (LUBA) must be submitted to the City in writing before this date. You must include enough detail to enable the decision maker an opportunity to respond. The applicable criteria used to decide on this application for a tentative partition plan is found in Newberg Development Code Section 15.235.040.

The Community Development Director will decide at the end of a 14-day comment period. If you send in written comments about this project, we will send you information about any decision made by the City relating to this project.

Date Mailed: 11/XX/2021

Land Use Notice

FILE # xx-xx

PROPOSAL: Divide one lot into three parcels

FOR FURTHER INFORMATION, CONTACT
City of Newberg
Community Development Department
414 E First Street Phone: 503-537-1240

2'



Date of Production: 11/17/2021

TERMS AND CONDITIONS OF INFORMATION REPORTS

IMPORTANT - READ CAREFULLY: AN INFORMATION REPORT IS **NOT** AN INSURED PRODUCT OR SERVICE OR A REPRESENTATION OF THE CONDITION OF TITLE TO REAL PROPERTY. IT IS NOT AN ABSTRACT, LEGAL OPINION, OPINION OF TITLE, TITLE INSURANCE COMMITMENT OR PRELIMINARY REPORT, OR ANY FORM OF TITLE INSURANCE OR GUARANTY. THE INFORMATION REPORT IS ISSUED EXCLUSIVELY FOR THE BENEFIT OF THE REQUESTOR, AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PERSON. THE INFORMATION REPORT MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT FIRST AMERICAN TITLE'S PRIOR WRITTEN CONSENT. FIRST AMERICAN TITLE DOES NOT REPRESENT OR WARRANT THAT THE INFORMATION CONTAINED IN THE INFORMATION REPORT IS COMPLETE OR FREE FROM ERROR, AND THE INFORMATION THEREIN IS PROVIDED WITHOUT ANY WARRANTIES OF ANY KIND, AS-IS, AND WITH ALL FAULTS. AS A MATERIAL PART OF THE CONSIDERATION GIVEN IN EXCHANGE FOR THE ISSUANCE OF AN INFORMATION REPORT, REQUESTOR AGREES THAT FIRST AMERICAN TITLE'S SOLE LIABILITY FOR ANY LOSS OR DAMAGE CAUSED BY AN ERROR OR OMISSION DUE TO INACCURATE INFORMATION OR NEGLIGENCE IN PREPARING THE INFORMATION REPORT SHALL BE LIMITED TO THE GREATOR OF THE FEE CHARGED FOR THE INFORMATION REPORT OR \$15. REQUESTOR ACCEPTS THE INFORMATION REPORT WITH THIS LIMITATION AND AGREES THAT FIRST AMERICAN TITLE WOULD NOT HAVE ISSUED THE INFORMATION REPORT BUT FOR THE LIMITATION OF LIABILITY DESCRIBED ABOVE, FIRST AMERICAN TITLE MAKES NO REPRESENTATION OR WARRANTY AS TO THE LEGALITY OR PROPRIETY OF REQUESTOR'S USE OF THE INFORMATION CONTAINED IN THE INFORMATION REPORT.

R3219AD 13200 Soren Christensen 510 S Blaine St Newberg, OR 97132

R3219AD 11600 Cadd Helen R Surviving Cadd Living Trust 909 E Fulton St Newberg, OR 97132

R3219AD 12600 Autumn Haile 509 S Howard St Newberg, OR 97132

R3219AD 11400 Dorothy Tarpley 512 S Howard St Newberg, OR 97132

R3219AC 05905 Theodore & Paige Reuter 124 W Johanna Ct Newberg, OR 97132

R3219AC 04400 Bruno Precciozzi & Arianne Reagor 509 S Blaine St Newberg, OR 97132

R3219AC 02500 Brad Holbrook & Fangyi Liao-Holbrook 301 E 5th St Newberg, OR 97132

R3219AC 05908 Robert & Lillian Ralstin 140 W Johanna Ct Newberg, OR 97132

R3219AC 05910 Theodore & Paige Reuter 124 W Johanna Ct Newberg, OR 97132

R3219AC 06800 Glen & Charlie Johnson 505 S Dayton Ave Newberg, OR 97132 R3219AD 12500 Justin Wikler & Rachel Neville 410 E 5th St Newberg, OR 97132

R3219AC 04700 Kevin Wessels 304 E 5th St Newberg, OR 97132

R3219AD 12700 Gwendolyn Gilbertson 513 S Howard St Newberg, OR 97132

R3219AD 11300 Johanna Creech 17950 NW Brickstone Ln Beaverton, OR 97006

R3219AC 05913 Theodore & Paige Reuter 124 W Johanna Ct Newberg, OR 97132

R3219AD 13400 Sarah & Jason Harris 5136 SE 37th Ave Portland, OR 97202

R3219AC 05600 Friends Of Chehalem House Po Box 548 Newberg, OR 97132

R3219DB 04602 Kennedy Reese C & Ruth U Kennedy 618 S Dayton Ave Newberg, OR 97132

R3219AC 06600 Troy & Jennifer Rossetti 515 S Dayton Ave Newberg, OR 97132

R3219AC 04100 Zone Holdings Llc 601 S Blaine St Newberg, OR 97132 R3219AD 13300 Roger Liebenow 406 E 5th St Newberg, OR 97132

R3219AC 05202 Hans Jensen 22330 NE Highway 240 Newberg, OR 97132

R3219AD 11500 Anthony & Wendy Vece 105 SW Spruce St Dundee, OR 97115

R3219AC 04600 Robert & Mary Mcbee 308 E 5th St Newberg, OR 97132

R3219AC 04000 Larry Cox 603 S Blaine St Newberg, OR 97132

R3219AD 11700 Talia Bollard 506 E 5th St Newberg, OR 97132

R3219AC 05904 Timothy Schneider 101 W Johanna Ct Newberg, OR 97132

R3219AC 05912 Rea Andrew 100 W Johanna Ct Newberg, OR 97132

R3219AC 04301 Schmidt Charles M & Fonda R (Trustees 514 S Dayton Ave Newberg, OR 97132

R3219DB 00100 Li Ren Equity Llc 13025 SW Allen Blvd Beaverton, OR 97005 R3219DB 04204 Ronnie & Ruth Palmer 704 S Garfield St berg, OR 97132

R3219DB 00300 School District No 29 535 NE 5th St Mcminnville, OR 97128

R3219AC 05903 James & Heather Birchill 109 W Johanna Ct Newberg, OR 97132

R3219DB 00200 Seronello Lee R & Ann J Seronello Lee R 14 Ridgetop Way Napa, CA 94558

R3219AC 05702 Schmidt Charles M & Fonda R (Trustees 514 S Dayton Ave Newberg, OR 97132

R3219AC 06100 Andrea & Christopher Mooney 610 S Dayton Ave Newberg, OR 97132

R3219AC 05100 Mark Bartlett 202 E 5th St Newberg, OR 97132

R3219DB 04203 David & Lisa Hirschfelt 225 NW Brier Ave Dundee, OR 97115

R3219DB 04691 David & Debby Thomas 733 S Garfield St Newberg, OR 97132

Candace Peterson 509 S School St Newberg, OR 97132 R3219DB 00500 David & Jonni Maben 309 E 8th St Newberg, OR 97132

R3219AC 04900 Pamela Collier 210 E 5th St Newberg, OR 97132

R3219AD 13000 Christopher Nielsen 403 E 6th St Newberg, OR 97132

R3219DA 04200 School District No 29 535 NE 5th St Mcminnville, OR 97128

R3219AC 05700 Shannon Morales & Ryan Johnson 508 S Dayton Ave Newberg, OR 97132

R3219AC 02800 Robert Brownell & Nancy Bradetich 309 E 5th St Newberg, OR 97132

R3219AC 06700 Calum Hill & Dallas Malone 511 S Dayton Ave Newberg, OR 97132

R3219AC 05902 Stewart & Laura Weed 115 W Johanna Ct Newberg, OR 97132

R3219AD 11201 Delmer & Nicola Munroe 521 S School St Newberg, OR 97132

R3219DB 00600 Jose Baca 2618 NW Hayes Rd Woodland, WA 98674 R3219DB 00670 Timothy & Laurel Mueller Po Box 157 Carlton, OR 97111

R3219AC 02700 Matthew Greensmith & Maggie 6002 SE Reedway St Portland, OR 97206

R3219DB 04201 Delmar & Darlene Washburn 10820 NE Stevenson Rd Newberg, OR 97132

R3219DA 04300 School District No 6 535 NE 5th St Mcminnville, OR 97128

R3219AC 06000 Timothy Thielen 606 S Dayton Ave Newberg, OR 97132

R3219DB 00690 Jose Baca 201 E 7th St Newberg, OR 97132

R3219AC 05901 Lilia Andrade 119 W Johanna Ct Newberg, OR 97132

R3219AC 05907 Monica Chapman 130 W Johanna Ct Newberg, OR 97132

R3219AD 11200 Delmer & Nicola Munroe 521 S School St Newberg, OR 97132

R3219AC 06900 Jeff Schiedler 110 W 5th St Newberg, OR 97132 R3219DB 04690 Holden New Berg Qozb Llc 5652 SW Northwood Ave Portland, OR 97239

R3219DB 00680 Timothy & Laurel Mueller Po Box 157 Carlton, OR 97111

R3219AD 13100 Nathaniel Zahm & Jessica Matchett 512 S Blaine St Newberg, OR 97132

R3219AC 05701 Jimmy & Kathie Morton 25153 NE Butteville Rd Aurora, OR 97002

R3219DB 04200 Deborah Roberts 702 S Garfield St Newberg, OR 97132

R3219DB 04605 Daniel Allenby & Heather Moriarty 614 S Dayton Ave Newberg, OR 97132

R3219AD 12300 Newberg City Of 535 NE 5th St Mcminnville, OR 97128

R3219AC 05300 Joslyn & Keith Keating 116 E 5th St Newberg, OR 97132

R3219DB 00400 Rigoberto & Lucia Garcia 705 S Blaine St Newberg, OR 97132

R3219AC 05906 Paul & Emily Bachand 120 W Johanna Ct Newberg, OR 97132 R3219AC 04500 Melissa Willey 314 E 5th St Newberg, OR 97132

R3219AC 04800 Greg Deutelbaum & Vanesa Orourke 300 E 5th St Newberg, OR 97132

R3219DB 04500 Thomas Birmingham Iii 117 W 8th St Newberg, OR 97132

R3219AC 05909 Timothy & Laurel Mueller Po Box 157 Carlton, OR 97111

R3219AC 05000 Kerrie Allen 206 E 5th St Newberg, OR 97132

R3219AC 08300 Keith & Evelyn Barnes 429 S Main St Newberg, OR 97132

R3219AD 12400 James & Gail Bonsey 501 S Howard St Newberg, OR 97132

R3219AC 02401 Richard & Jessica Hughes 209 E 5th St Newberg, OR 97132

R3219AD 11100 Daniel & Sarah Taylor 515 S School St Newberg, OR 97132

R3219AC 02501 Vivian Archibald 215 E 5th St Newberg, OR 97132 R3219AC 02801 Cole Austin & Katie Hubbard 10241 SW Evergreen Ct Wilsonville, OR 97070

R3219AD 12900 Christopher & Yolanda Jones 405 E 6th St Newberg, OR 97132

R3219AC 05900 Michael & Chennel Evans 131 W Johanna Ct Newberg, OR 97132

R3219AC 06503 Rebecca Simpson & William Donovan 531 S Dayton Ave Newberg, OR 97132

R3219AC 02400 Engle Llc 211 E 5th St Newberg, OR 97132

R3219AC 05201 Schmidt Charles M & Fonda R (Trustees 514 S Dayton Ave Newberg, OR 97132

R3219AC 02600 Sergiy Barsukov 307 E 5th St Newberg, OR 97132

R3219AC 04300 Patricia Doxtater 521 S Blaine St Newberg, OR 97132

R3219AC 05911 Harry Banister & Jennifer Dittmer 128 W Johanna Ct Newberg, OR 97132

R3219AC 05500 Kenneth & Rhonda Marron 102 E 5th St Newberg, OR 97132 R3219AC 05801 Hans Jensen 22330 NE Highway 240 berg, OR 97132

R3219AC 05400 Schmidt Charles M & Fonda R Schmidt 112 E 5th St Newberg, OR 97132

R3219AC 02203 SIGMUND HOLDINGS LLC Po Box 3189 Newberg, OR 97132

R3219AC 06500 Jones Gary A & Sheran D Jones Living 521 S Dayton Ave Newberg, OR 97132 R3219AC 04200 Danny & Jo Russell 527 S Blaine St Newberg, OR 97132

R3219AC 02300 Norven Hilger 201 E 5th St Newberg, OR 97132

R3219AC 02202 BLACK SHEEP CONSTRUCTION LLC 16340 Ne Yamhill Rd Yamhill, OR 97148 R3219AD 12800 Jerry & Linda Havener 521 S Howard St Newberg, OR 97132

R3219AC 02100 Ronda Arbogast & Frank Measel 107 E 5th St Newberg, OR 97132

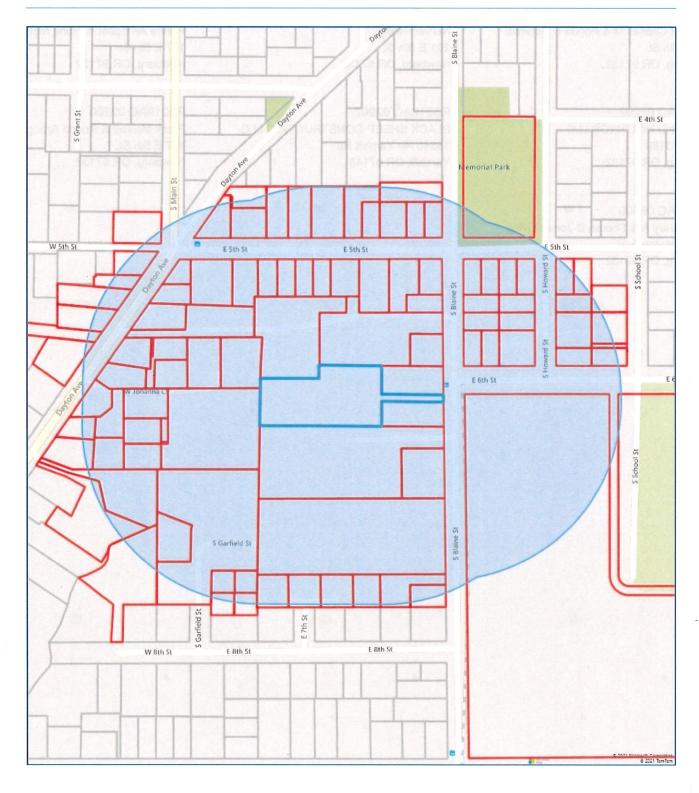
R3219AC 02200 Frank Measel & Ronda Arbogast 107 E 5th St Newberg, OR 97132



500 ft Buffer

601 S Blaine St, Newberg, OR 97132

Report Generated: 11/17/2021





Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 11/17/2021

Ownership

Legal Owner(s): Zone Holdings Llc

Site Address: 601 S Blaine St Newberg, OR 97132 Mailing Address: 601 S Blaine St Newberg, OR 97132 Parcel #: R3219AC 04100

APN: 50358 County: Yamhill

Property Characteristics

Bedrooms: 3

Total Bathrooms: 2

Full Bathrooms: 2

Half Bathrooms: 0

Units: 0

Stories: 1.00

Fire Place: Y

Air Conditioning:

Heating Type: Baseboard

Electric Type:

Year Built: 1968

Building SqFt: 1581

First Floor SqFt: 1581

Basement Sqft: 0

Basment Type:

Lot SqFt: 54450

Lot Acres: 1.25

Roof Type: Composition

Roof Shape: GABLE

Porch Type:

Building Style:

Garage: Attached Garage

Garage SqFt: 441 Parking Spots: 2

Pool:

Property Information

Land Use: RESIDENTIAL

Improvement Type: Single Family Residential Legal Description: SEE METES & BOUNDS Zoning: R-3

School District: Newberg School

Neighborhood: Subdivision:

Assessor & Tax

Market Land: \$434,584

Market Total: \$584,468 Market Structure: \$149,884 Assessed Total: \$254,206 Taxes: \$3,765.58

% Improved: 26 Levy Code: Millage Rate:

Sale History

Last Sale Date: 11/14/2019

Prior Sale Date:

Doc #: 201916593

Prior Doc #:

Last Sale Price: \$327,500

Prior Sale Price: \$0

Mortgage

1st Mortgage Date: 11/14/2019

Doc #: 201916594

1st Mortgage Type:

1st Mortgage Lender: Veristone Mortgage

1st Mortgage: \$0

2nd Mortgage Type:

2nd Mortgage: \$0



Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 11/17/2021

Ref Parcel #: R3219AD 13200

APN: 50330

APN: 50009

Taxes: \$2,296.42

Market Value: \$262,931

Sales Price: \$434,900

Transfer Date: 7/23/2021

Assessed Value: \$155,026

Taxes: \$1,921.32

Market Value: \$256,396

Sales Price: \$169,500

Transfer Date: 3/18/2014

Ref Parcel #: R3219AD 12500

Assessed Value: \$129,704

7 1	13300	
04500	86	12400
ne St	3400 1	2500
04400	13200	12600
04301	13100	12700
- 1	3000	12800
04300	12900	

Legal Owner: Soren Christensen

Site Address: 510 S Blaine St Newberg, OR 97132

Mailing Address: 510 S Blaine St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 866

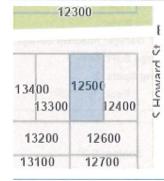
Lot Acres: 0.12

Year Built: 1965

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 13200



Legal Owner: Justin Wikler & Rachel Neville

Site Address: 410 E 5th St Newberg, OR 97132

Mailing Address: 410 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 1

Building SqFt: 1,284

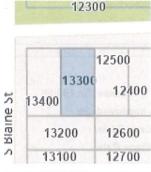
Year Built: 1962

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 12500

Lot Acres: 0.12



Legal Owner: Roger Liebenow

Site Address: 406 E 5th St Newberg, OR 97132

Mailing Address: 406 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 1

Building SqFt: 1,008 Lot Acres: 0.12

Year Built: 1914

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 49995

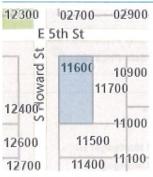
Ref Parcel #: R3219AD 13300

Ref Parcel #: R3219AD 11600

Taxes: \$1,695.70

Market Value: \$255,896 Assessed Value: \$114,473

Sales Price: \$0 Transfer Date:



Legal Owner: Cadd Helen R Surviving Cadd Living Trust

Site Address: 502 E 5th St Newberg, OR 97132

Mailing Address: 909 E Fulton St Newberg, OR 97132

Bedrooms: 4 Bathrooms: 2

Year Built: 1946

Building SqFt: 1,596

Lot Acres: 0.12

Sales Price: \$0

APN: 54014

Taxes: \$2.598.41

Market Value: \$274,852

Assessed Value: \$175,413

Transfer Date:

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 11600 LOT 11 BLOCK 4



Report Generated: 11/17/2021

Ref Parcel #: R3219AC 04700

APN: 50429

Taxes: \$3,002.85

Market Value: \$354,438

Sales Price: \$60,000 Transfer Date: 4/28/2006

APN: 504199

Taxes: \$5.98

Sales Price: \$0 Transfer Date:

Market Value: \$582

Assessed Value: \$404

Assessed Value: \$202,716

Ref Parcel #: R3219AC 05202

02400 E 5th	02800	
04800 04900	04700	04500 04600
05201		04400

04301

04300

Legal Owner: Kevin Wessels

Site Address: 304 E 5th St Newberg, OR 97132

Mailing Address: 304 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2.5

Building SqFt: 1,495

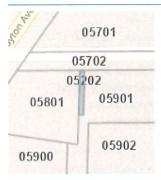
Lot Acres: 0.29

Year Built: 1963

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 04700



Legal Owner: Hans Jensen

Site Address: No Site Address Newberg, OR 97132

Mailing Address: 22330 NE Highway 240 Newberg, OR 97132

Bedrooms: 0

Bathrooms: 0

Building SqFt: 0

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05202

Lot Acres: 0.01

1	2500	S pu
13300 13400	12400	11500 H S
13200	12600	11500
13100	12700	11400
12900 13000	12800	11300 11300

Legal Owner: Autumn Haile

Site Address: 509 S Howard St Newberg, OR 97132 Mailing Address: 509 S Howard St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 732

Lot Acres: 0.12

Year Built: 1910

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 50045

Ref Parcel #: R3219AD 12600

Taxes: \$1,397.72 Market Value: \$238,946 Assessed Value: \$94.357 Sales Price: \$315,000

Transfer Date: 1/21/2021

12	500	Wo
13400	12400	11600
13200	12600	11500
13100	12700	
13000 12900	12800	11400 5 Per 11800

Legal Owner: Gwendolyn Gilbertson

Site Address: 513 S Howard St Newberg, OR 97132

Mailing Address: 513 S Howard St Newberg, OR 97132

Bedrooms: 3

Bathrooms: 2 Year Built: 1910

Building SqFt: 2,016

Lot Acres: 0.12

Assessed Value: \$186,855

APN: 50063

Taxes: \$2,767.90 Market Value: \$278,047

Sales Price: \$95.213 Transfer Date: 7/31/2007

Ref Parcel #: R3219AD 12700

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 12700



Report Generated: 11/17/2021

, in			Legal Owner: Anthony & Wendy Vece	APN: 54005
	11600	10900	Site Address: 508 S Howard St Newberg, OR 97132	Ref Parcel #: R3219AD 11500
2400 운	11700		Mailing Address: 105 SW Spruce St Dundee, OR 97115	Taxes: \$1,338.75
SH	100	Carsy a	Bedrooms: 2	Market Value: \$236,131
2600	44500	11000	Bathrooms: 1	Assessed Value: \$90,376
12600	11500	T. Part	Building SqFt: 943 Lot Acres: 0.12	Sales Price: \$110,500
	1005 KEA		Year Built: 1925	Transfer Date: 9/28/2012
12700	11400	11100	School District: Newberg School District 29j	
12800			Neighborhood:	
0	11300	11200-	Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR	D TAXLOT 11500 LOT 10 BLOCK 4
2400		10900	Legal Owner: Dorothy Tarpley	APN: 53998
S	11600	11000	Site Address: 512 S Howard St Newberg, OR 97132	Ref Parcel #: R3219AD 11400
12600	11500		Mailing Address: 512 S Howard St Newberg, OR 97132	Taxes: \$4,625.32
		SHEAR Y	Bedrooms: 2	Market Value: \$469,660
12700	11400	11100	Bathrooms: 2	Assessed Value: \$312,245
	11400	2	Building SqFt: 1,188 Lot Acres: 0.23	Sales Price: \$0
12800		11201	Year Built: 1974	Transfer Date:
12800	11300	11200	School District: Newberg School District 29j	
S Howa			Neighborhood:	
S			Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR	D TAXLOT 11400 LOT 8 AND 9
12600	11500	11000	Legal Owner: Johanna Creech	APN: 53989
12700	44.400	11100	Site Address: 503 E 6th St Newberg, OR 97132	Ref Parcel #: R3219AD 11300
	11400	11100	Mailing Address: 17950 NW Brickstone Ln Beaverton, OR	Taxes: \$1,841.88
St	DAY BELL	11201	Bedrooms: 2	Market Value: \$249,590
12800	11300	11200	Bathrooms: 1	Assessed Value: \$124,341
0	11300	11200	Building SqFt: 920 Lot Acres: 0.12	Sales Price: \$169,900
S How			Year Built: 1950	Transfer Date: 5/31/2006
			School District: Newberg School District 29j	
	0.4200		Neighborhood:	
	04300		Legal: LOT 7 - BLOCK 4 IN EDWARDS SECOND ADDITION	
02501	02800	2801	Legal Owner: Robert & Mary Mcbee	APN: 50410
St			Site Address: 308 E 5th St Newberg, OR 97132	Ref Parcel #: R3219AC 04600
			Mailing Address: 308 E 5th St Newberg, OR 97132	Taxes: \$3,791.90
04800	0	4500	Bedrooms: 3	Market Value: \$434,184
04700	11/15/1111	4300	Bathrooms: 2	Assessed Value: \$255,983
04700		2 195	Building SqFt: 1,417 Lot Acres: 0.25	Sales Price: \$0
	04	400	Year Built: 1997	Transfer Date:
			School District: Newberg School District 29j	
	04301		Neighborhood:	
	-043	300-	Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR	C TAXLOT 04600



Report Generated: 11/17/2021

Ref Parcel #: R3219AC 05905

APN: 505543

Taxes: \$75.36

APN: 538735

Taxes: \$7.06

Market Value: \$485

Assessed Value: \$485

Sales Price: \$229,000

Transfer Date: 3/26/2013

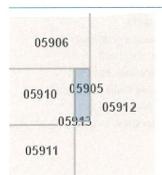
Market Value: \$5,172

Sales Price: \$110,000

Assessed Value: \$5,172

Transfer Date: 5/29/2008

Ref Parcel #: R3219AC 05913



Legal Owner: Theodore & Paige Reuter

Site Address: No Site Address Newberg, OR 97132

Mailing Address: 124 W Johanna Ct Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0

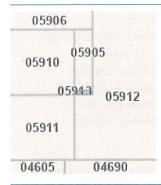
Lot Acres: 0.03

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05905



Legal Owner: Theodore & Paige Reuter

Site Address: No Site Address Newberg, OR 97132

Mailing Address: 124 W Johanna Ct Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

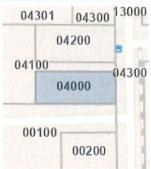
Building SqFt: 0

Lot Acres: 0.00

Year Built: 0 School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05913



Legal Owner: Larry Cox

Site Address: 603 S Blaine St Newberg, OR 97132 Mailing Address: 603 S Blaine St Newberg, OR 97132

Bedrooms: 4 Bathrooms: 2

Building SqFt: 1,692

Lot Acres: 0.28

Year Built: 1992

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS



APN: 50385

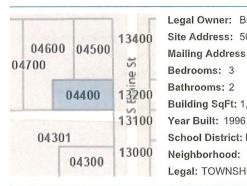
Taxes: \$2,736.16

Ref Parcel #: R3219AC 04000

Taxes: \$4,820.55 Market Value: \$487,806 Assessed Value: \$325,425 Sales Price: \$478,000

Transfer Date: 2/7/2020

Ref Parcel #: R3219AC 04400



Legal Owner: Bruno Precciozzi & Arianne Reagor

Site Address: 509 S Blaine St Newberg, OR 97132

Mailing Address: 509 S Blaine St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,219

Lot Acres: 0.12

Assessed Value: \$184,712 Sales Price: \$214,000

Transfer Date: 1/15/2015

Market Value: \$328,349

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 04400



Report Generated: 11/17/2021

Legal Owner: Sarah & Jason Harris

Site Address: 400 E 5th St Newberg, OR 97132

Mailing Address: 5136 SE 37th Ave Portland, OR 97202

Bedrooms: 2 Bathrooms: 1

Building SqFt: 1,200

Lot Acres: 0.12

Year Built: 1908

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 49977

Ref Parcel #: R3219AD 13400

Taxes: \$1,716.13 Market Value: \$241,344 Assessed Value: \$115,852 Sales Price: \$338,000

Transfer Date: 11/2/2020

-02700-02800 E 5th St 7 Howard 11600 10900 11700

11500

11400

11000

11100

Legal Owner: Talia Bollard

Site Address: 506 E 5th St Newberg, OR 97132

Mailing Address: 506 E 5th St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 2.5 Building SqFt: 1,327

Year Built: 1927

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 11700 LOT 11 BLOCK 4

Lot Acres: 0.12

Legal Owner: Brad Holbrook & Fangyi Liao-Holbrook

Site Address: 301 E 5th St Newberg, OR 97132 Mailing Address: 301 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 1

Building SqFt: 1,024

Lot Acres: 0.12

Year Built: 1974

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02500



Legal Owner: Friends Of Chehalem House

Site Address: 100 E 5th St Newberg, OR 97132

Mailing Address: Po Box 548 Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,500 Lot Acres: 0.09

Year Built: 1900

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 54023

Ref Parcel #: R3219AD 11700

Taxes: \$1,844.59 Market Value: \$262,811 Assessed Value: \$124,524 Sales Price: \$275,000 Transfer Date: 7/27/2017

APN: 49851

Ref Parcel #: R3219AC 02500

Taxes: \$2,247.24 Market Value: \$268,701 Assessed Value: \$151,706 Sales Price: \$182,800

Transfer Date: 8/18/2014

APN: 50615

Ref Parcel #: R3219AC 05600

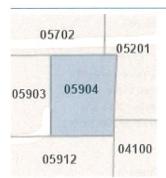
Taxes: \$0.00

Market Value: \$293,144 Assessed Value: \$123,478

Sales Price: \$0 Transfer Date:



Report Generated: 11/17/2021



Legal Owner: Timothy Schneider

Site Address: 101 W Johanna Ct Newberg, OR 97132 Mailing Address: 101 W Johanna Ct Newberg, OR 97132

Bedrooms: 3 Bathrooms: 25

Building SqFt: 3,684

Lot Acres: 0.37

Year Built: 1997

School District: Newberg School District 29j

Neighborhood:

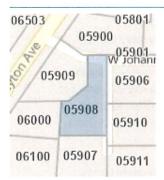
Legal: LOT 5 IN CRISMAN ESTATES

Λ	D	м.	5055	10

Ref Parcel #: R3219AC 05904

Taxes: \$5,531.24 Market Value: \$527,325 Assessed Value: \$373,402

Sales Price: \$0 Transfer Date:



Legal Owner: Robert & Lillian Ralstin

Site Address: 140 W Johanna Ct Newberg, OR 97132

Mailing Address: 140 W Johanna Ct Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2.5

Building SqFt: 1,664

Lot Acres: 0.18

Year Built: 1996

School District: Newberg School District 29j

Neighborhood:

Legal: LOT 9 IN CRISMAN ESTATES

APN: 505552

Ref Parcel #: R3219AC 05908

Taxes: \$3,163.92 Market Value: \$363,726 Assessed Value: \$240,817

Sales Price: \$0

Transfer Date: 9/8/2020



Mailing Address: 618 S Dayton Ave Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0

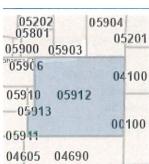
Lot Acres: 0.93

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 04602



Legal Owner: Rea Andrew

Year Built: 1963

School District: Newberg School District 29j

00300

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05912

Taxes: \$1,651.20 Market Value: \$305,437

Assessed Value: \$111,469 Sales Price: \$0

Transfer Date:

APN: 528985



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Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com

Report Generated: 11/17/2021

Ref Parcel #: R3219AC 05910

APN: 508087

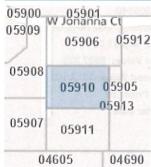
Taxes: \$3,436.15

Market Value: \$404,275

Sales Price: \$285,982

Transfer Date: 9/2/2015

Assessed Value: \$231,967



Legal Owner: Theodore & Paige Reuter

Site Address: 124 W Johanna Ct Newberg, OR 97132

Mailing Address: 124 W Johanna Ct Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

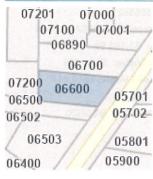
Building SqFt: 1,546

Lot Acres: 0.17

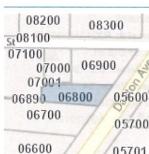
Year Built: 2012

School District: Newberg School District 29j

Neighborhood:







Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 06800 LOT 27



Report Generated: 11/17/2021



Legal Owner: Zone Holdings Llc

Site Address: 601 S Blaine St Newberg, OR 97132 Mailing Address: 601 S Blaine St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,581

Lot Acres: 1.25

Year Built: 1968

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

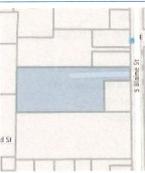
APN: 50358

Ref Parcel #: R3219AC 04100

Taxes: \$3,765.58

Market Value: \$584,468 Assessed Value: \$254,206 Sales Price: \$327,500

Transfer Date: 11/14/2019



Legal Owner: Li Ren Equity Llc

Site Address: 611 S Blaine St Newberg, OR 97132

Mailing Address: 13025 SW Allen Blvd Beaverton, OR 97005

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0

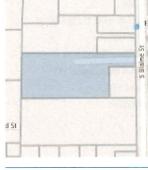
Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00100

Lot Acres: 1.98



S Garfield St

04204

04203

00300

00600

00700

04690

04202

04200

04201

Legal Owner: Ronnie & Ruth Palmer APN: 509077

Site Address: 704 S Garfield St Newberg, OR 97132 Mailing Address: 704 S Garfield St Newberg, OR 97132

Bedrooms: 3

Bathrooms: 2

Building SqFt: 1,188

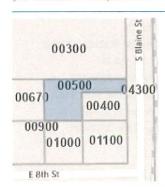
Lot Acres: 0.09

Year Built: 1997

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 04204



Legal Owner: David & Jonni Maben

Site Address: S Blaine St Newberg, OR 97132

Mailing Address: 309 E 8th St Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0

Lot Acres: 0.25

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00500

APN: 54684

Ref Parcel #: R3219DB 00100

Taxes: \$35,873.98

Market Value: \$3,571,200 Assessed Value: \$2,421,774

Sales Price: \$2,030,000

Transfer Date: 5/8/2014

Ref Parcel #: R3219DB 04204

Taxes: \$2,798.12 Market Value: \$222,538 Assessed Value: \$188,895

Ref Parcel #: R3219DB 00500

Assessed Value: \$53,266

Sales Price: \$0

Transfer Date:

APN: 54764

Taxes: \$789.03 Market Value: \$269,940

Sales Price: \$0

Transfer Date:



Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 11/17/2021

Ref Parcel #: R3219DB 00670

01000

Legal Owner: Timothy & Laurel Mueller

Site Address: 109 E 7th St Newberg, OR 97132

Mailing Address: Po Box 157 Carlton, OR 97111

Bedrooms: 4 Bathrooms: 2

Building SqFt: 1,566

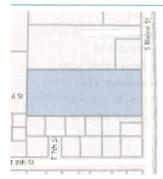
Lot Acres: 0.16

School District: Newberg School District 29j

Neighborhood:

Year Built: 1970

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00670



Legal Owner: School District No 29

Site Address: 703 S Blaine St Newberg, OR 97132

Mailing Address: 535 NE 5th St Mcminnville, OR 97128

Bedrooms: 0

Bathrooms: 0

Building SqFt: 0

Year Built: 0

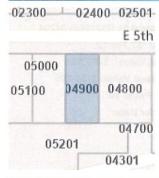
School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00300

Lot Acres: 2.56

Lot Acres: 0.12



Legal Owner: Pamela Collier

Site Address: 210 E 5th St Newberg, OR 97132

Mailing Address: 210 E 5th St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 1,103

Year Built: 1909

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 54746

APN: 54782

Taxes: \$1,446.97

Sales Price: \$0

Transfer Date:

Market Value: \$312,658

Assessed Value: \$97,682

Ref Parcel #: R3219DB 00300

Taxes: \$0.00

Market Value: \$888,820

Assessed Value: \$422,113

Sales Price: \$0

Transfer Date:

APN: 50456

APN: 49940

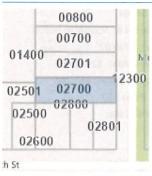
Taxes: \$2,853.24

Ref Parcel #: R3219AC 04900

Taxes: \$2,221.42 Market Value: \$267,054 Assessed Value: \$149,963 Sales Price: \$222,000

Transfer Date: 11/13/2019

Ref Parcel #: R3219AC 02700



Legal Owner: Matthew Greensmith & Maggie

Site Address: Young-Greensmith

Mailing Address: 6002 SE Reedway St Portland, OR 97206

Bedrooms: 3 Bathrooms: 2

Year Built: 1991

Building SqFt: 1,040

Lot Acres: 0.22

Assessed Value: \$192,616

Sales Price: \$170,000 Transfer Date: 3/30/2010

Market Value: \$304,457

School District: Newberg School District 29i

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02700



Report Generated: 11/17/2021

Ref Parcel #: R3219AC 05903

APN: 505537

APN: 50312

Taxes: \$1,541.98 Market Value: \$236,908

Sales Price: \$0

Transfer Date:

APN: 501829

Taxes: \$2,802.88 Market Value: \$210,652

Sales Price: \$0

Transfer Date:

APN: 54728

Taxes: \$4,959.90

Market Value: \$433,467 Assessed Value: \$334,832

Sales Price: \$334,850

Transfer Date: 6/8/2005

Taxes: \$4,542.53

Market Value: \$507,090

Sales Price: \$523,000

Assessed Value: \$329,345

Transfer Date: 10/22/2020

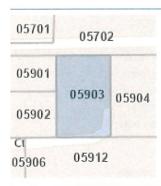
Ref Parcel #: R3219AD 13000

Assessed Value: \$104,096

Ref Parcel #: R3219DB 04201

Assessed Value: \$189,216

Ref Parcel #: R3219DB 00200



Legal Owner: James & Heather Birchill

Site Address: 109 W Johanna Ct Newberg, OR 97132

Mailing Address: 109 W Johanna Ct Newberg, OR 97132

Bedrooms: 3 Bathrooms: 3

Building SqFt: 2,397

Lot Acres: 0.31

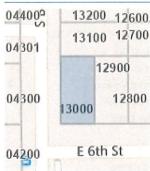
Year Built: 1997

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05903 LOT 4

Lot Acres: 0.12



Legal Owner: Christopher Nielsen

Site Address: 403 E 6th St Newberg, OR 97132

Mailing Address: 403 E 6th St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

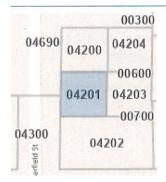
Building SqFt: 672

Year Built: 1946

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 13000



Legal Owner: Delmar & Darlene Washburn

Site Address: 706 S Garfield St Newberg, OR 97132

Mailing Address: 10820 NE Stevenson Rd Newberg, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,080

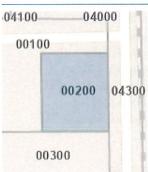
Year Built: 1998

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 04201

Lot Acres: 0.09



Legal Owner: Seronello Lee R & Ann J Seronello Lee R & Ann

Site Address: J Family Trust

Mailing Address: 14 Ridgetop Way Napa, CA 94558

Bedrooms: 8 Bathrooms: 4

Building SqFt: 1,920

Year Built: 1970

School District: Newberg School District 29j

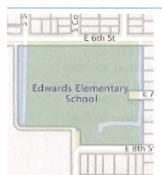
Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00200

Lot Acres: 0.39



Report Generated: 11/17/2021



Legal Owner: School District No 29

Site Address: 715 E 5th St Newberg, OR 97132

Mailing Address: 535 NE 5th St Mcminnville, OR 97128

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0

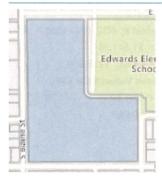
Lot Acres: 14.28

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR A TAXLOT 04200



Legal Owner: School District No 6

Site Address: No Site Address Newberg, OR 97132

Mailing Address: 535 NE 5th St Mcminnville, OR 97128

Bedrooms: 0

Bathrooms: 0

Building SqFt: 0

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR A TAXLOT 04300

Lot Acres: 13.81



Legal Owner: Schmidt Charles M & Fonda R (Trustees Of)

Site Address: Schmidt Charles M

Mailing Address: 514 S Dayton Ave Newberg, OR 97132

Bedrooms: 0

Bathrooms: 0

Building SqFt: 0

Year Built: 0

Lot Acres: 0.51

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05702



Legal Owner: Shannon Morales & Ryan Johnson

Site Address: 508 S Dayton Ave Newberg, OR 97132

Mailing Address: 508 S Dayton Ave Newberg, OR 97132

Bedrooms: 3

Bathrooms: 1

Building SqFt: 1,020

Year Built: 1973

Lot Acres: 0.13

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05700

APN: 56272

Ref Parcel #: R3219DA 04200

Taxes: \$0.00 Market Value: \$0 Assessed Value: \$0

Sales Price: \$0 Transfer Date:

APN: 56281

Ref Parcel #: R3219DA 04300

Taxes: \$0.00 Market Value: \$0 Assessed Value: \$0

Sales Price: \$0 Transfer Date:

APN: 482566

Ref Parcel #: R3219AC 05702

Taxes: \$618.98

Market Value: \$180,844 Assessed Value: \$41,786

Sales Price: \$0 Transfer Date:

APN: 50624

Ref Parcel #: R3219AC 05700

Taxes: \$2,282.12 Market Value: \$278,327 Assessed Value: \$154,061 Sales Price: \$312,000

Transfer Date: 8/3/2018



Report Generated: 11/17/2021

Ref Parcel #: R3219AC 06000

APN: 50740

APN: 50759

APN: 49959

APN: 54817

Taxes: \$2,452.15

Market Value: \$330,882

Sales Price: \$220.000

Transfer Date: 6/19/2015

Assessed Value: \$165,539

Taxes: \$2,478.36

Market Value: \$275,166

Sales Price: \$175,000

Transfer Date: 7/11/2014

Ref Parcel #: R3219DB 00690

Assessed Value: \$167,309

Taxes: \$2,653.74

Taxes: \$1,903.94

Market Value: \$247,734

Sales Price: \$106,000 Transfer Date: 4/17/2012

Assessed Value: \$128,531



Legal Owner: Timothy Thielen

Site Address: 606 S Dayton Ave Newberg, OR 97132 Mailing Address: 606 S Dayton Ave Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 903 Year Built: 1951

Lot Acres: 0.13

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 06000



Legal Owner: Andrea & Christopher Mooney

Site Address: 610 S Dayton Ave Newberg, OR 97132

Mailing Address: 610 S Dayton Ave Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 1,452

Lot Acres: 0.24

Sales Price: \$192,900

Market Value: \$341,825

Assessed Value: \$179,148

Transfer Date: 8/16/2013

Ref Parcel #: R3219AC 02800

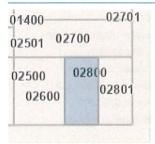
Ref Parcel #: R3219AC 06100

School District: Newberg School District 29j

Neighborhood:

Year Built: 1950

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 06100



Legal Owner: Robert Brownell & Nancy Bradetich

Site Address: 309 E 5th St Newberg, OR 97132 Mailing Address: 309 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,040

Lot Acres: 0.12

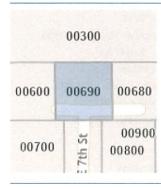
Year Built: 1992

School District: Newberg School District 29j

Neighborhood:

04700 04600 04500

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02800



Legal Owner: Jose Baca

Site Address: 201 E 7th St Newberg, OR 97132

Mailing Address: 201 E 7th St Newberg, OR 97132

Bedrooms: 4 Bathrooms: 2

Building SqFt: 1,566

Lot Acres: 0.19

Year Built: 1970

School District: Newberg School District 29j

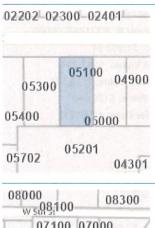
Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00690



Report Generated: 11/17/2021

Ref Parcel #: R3219AC 05100



Legal Owner: Mark Bartlett

Site Address: 202 E 5th St Newberg, OR 97132

Mailing Address: 202 E 5th St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 781

Lot Acres: 0.12

Lot Acres: 0.26

Year Built: 1910

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05100

05900

06400

05901

Legal Owner: Calum Hill & Dallas Malone

Site Address: 511 S Dayton Ave Newberg, OR 97132

Mailing Address: 511 S Dayton Ave Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 822

Year Built: 1948

School District: Newberg School District 29j

Neighborhood:

Legal: PORTIONS OF LOTS 26 & 27 IN LITTLE HOMES

APN: 51222

APN: 50517

Taxes: \$1,423.06

Market Value: \$231,651

Assessed Value: \$96,068

Sales Price: \$122,500

Transfer Date: 3/5/2015

Ref Parcel #: R3219AC 06700

Taxes: \$2,047.02 Market Value: \$280,000 Assessed Value: \$138,190 Sales Price: \$285,000 Transfer Date: 6/11/2019

Legal Owner: Lilia Andrade

Site Address: 119 W Johanna Ct Newberg, OR 97132

Mailing Address: 119 W Johanna Ct Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,525

Lot Acres: 0.18

Year Built: 1997

School District: Newberg School District 29j

Neighborhood:

Legal: LOT 2 IN CRISMAN ESTATES

APN: 505531

Ref Parcel #: R3219AC 05901

Taxes: \$3,449.26 Market Value: \$358,526 Assessed Value: \$232,852 Sales Price: \$400,000

Transfer Date: 8/25/2020

Legal Owner: David & Lisa Hirschfelt

Site Address: 708 S Garfield St Newberg, OR 97132

Mailing Address: 225 NW Brier Ave Dundee, OR 97115

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,188

Lot Acres: 0.09

Assessed Value: \$192,250

Taxes: \$2,847.82

APN: 509497

Sales Price: \$155,000 Transfer Date: 3/3/2016

Market Value: \$229,479

Ref Parcel #: R3219DB 04203

School District: Newberg School District 29j

Neighborhood:

Year Built: 1998

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 04203



Report Generated: 11/17/2021

Ref Parcel #: R3219AC 05902

APN: 505534

APN: 505549

APN: 460325

Taxes: \$4,781.25

Market Value: \$530,838

Sales Price: \$349,000

Transfer Date: 2/23/2016

Ref Parcel #: R3219AD 11201

Assessed Value: \$322,772

Taxes: \$3,416.24 Market Value: \$350,779

Taxes: \$3,424.63

Market Value: \$354,954

Sales Price: \$325,000 Transfer Date: 6/21/2017

Assessed Value: \$231,189

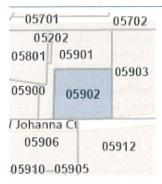
Ref Parcel #: R3219AC 05907

Assessed Value: \$230,623

Sales Price: \$295,000

Transfer Date: 9/30/2016

Ref Parcel #: R3219DB 04691



Legal Owner: Stewart & Laura Weed

Site Address: 115 W Johanna Ct Newberg, OR 97132 Mailing Address: 115 W Johanna Ct Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,576

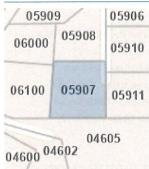
Lot Acres: 0.17

Year Built: 1997

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05902 LOT 3



Legal Owner: Monica Chapman

Site Address: 130 W Johanna Ct Newberg, OR 97132

Mailing Address: 130 W Johanna Ct Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2.5

Building SqFt: 1,536

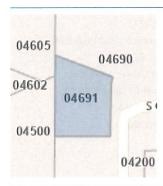
Lot Acres: 0.17

Year Built: 1996

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05907 LOT 8



Legal Owner: David & Debby Thomas

Site Address: 733 S Garfield St Newberg, OR 97132 Mailing Address: 733 S Garfield St Newberg, OR 97132

Bedrooms: 4 Bathrooms: 3

Building SqFt: 3,280

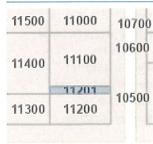
Lot Acres: 0.27

Year Built: 1985

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 04691



Legal Owner: Delmer & Nicola Munroe

Site Address: S School St Newberg, OR 97132

Mailing Address: 521 S School St Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Year Built: 0

Lot Acres: 0.03

Assessed Value: \$2,328 Sales Price: \$0

APN: 53970

Transfer Date:

Taxes: \$33.92

Market Value: \$2,328

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 11201 LOT 5 BLOCK 4



Report Generated: 11/17/2021

Ref Parcel #: R3219AD 11200

11500	-11000-	10700
11400	11100	10600
	11201	
11300	11200	10500

04200

Legal Owner: Delmer & Nicola Munroe

Site Address: 521 S School St Newberg, OR 97132

Mailing Address: 521 S School St Newberg, OR 97132

Bedrooms: 4 Bathrooms: 2

Building SqFt: 2,328

Lot Acres: 0.12

School District: Newberg School District 29j

Neighborhood:

Year Built: 1917

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 11200 LOT 6 BLOCK 4

11700 11600	10900	S Schigo St
11500	11000	10700
11400	11100	10600
	11201	10500

04300

Legal Owner: Candace Peterson

Site Address: 509 S School St Newberg, OR 97132

Mailing Address: 509 S School St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 1,172

Lot Acres: 0.17

Year Built: 1909

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 11000 LOT 3 BLOCK 4

04690	003	00
04204 04200 04201	00600	00690
04203	BONNAM	
04202	00700	7th St

Legal Owner: Jose Baca

Site Address: 207 E 7th St Newberg, OR 97132

Mailing Address: 2618 NW Hayes Rd Woodland, WA 98674

Bedrooms: 4 Bathrooms: 2

Building SqFt: 1,566

Lot Acres: 0.18

Year Built: 1970

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 53943

APN: 53961

Taxes: \$2,669.38

Sales Price: \$0

Transfer Date:

Market Value: \$328,363

Assessed Value: \$180,204

Ref Parcel #: R3219AD 11000

Taxes: \$2,418.40 Market Value: \$295,402 Assessed Value: \$163,261 Sales Price: \$154,900

Transfer Date: 6/29/2012

APN: 54773

Ref Parcel #: R3219DB 00600

Taxes: \$2,738.04 Market Value: \$341,399 Assessed Value: \$184,839

Sales Price: \$0 Transfer Date:

08401 08402 08200 08300 07000

Legal Owner: Jeff Schiedler

Site Address: 110 W 5th St Newberg, OR 97132

Mailing Address: 110 W 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 1 Building SqFt: 2,612

Year Built: 1959

Lot Acres: 0.16

School District: Newberg School District 29j Neighborhood:

Legal: PT LOT 27 IN LITTLE HOMES

APN: 51240

Ref Parcel #: R3219AC 06900

Taxes: \$2,415.88 Market Value: \$322,181 Assessed Value: \$163,091 Sales Price: \$328,000 Transfer Date: 4/15/2020



Report Generated: 11/17/2021

Ref Parcel #: R3219DB 04690

Market Value: \$1,105,973

Assessed Value: \$245,737

Transfer Date: 8/26/2021

Ref Parcel #: R3219AC 02801

Taxes: \$2,478.36

Market Value: \$276,908

Sales Price: \$380,000

APN: 54808

Taxes: \$2,709.46 Market Value: \$353,044

Sales Price: \$0

Assessed Value: \$167,309

Transfer Date: 10/22/2021

Ref Parcel #: R3219DB 00680

Assessed Value: \$182,910

Transfer Date: 10/29/2004

Sales Price: \$887,763

APN: 56478

Taxes: \$3,640.13



02600

Legal Owner: Holden New Berg Qozb Llc

Site Address: 100 S Garfield St Newberg, OR 97132

Mailing Address: 5652 SW Northwood Ave Portland, OR

Bedrooms: 4 Bathrooms: 3

Building SqFt: 2,004

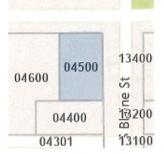
Lot Acres: 1.95

Year Built: 1970

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 04690



02801

12300

Legal Owner: Melissa Willey

Site Address: 314 E 5th St Newberg, OR 97132

Mailing Address: 314 E 5th St Newberg, OR 97132

Bedrooms: 4

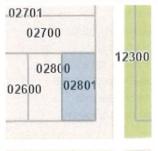
Bathrooms: 1 Building SqFt: 2,073

Year Built: 1947

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 04500



00300

00680

00800

00690

Legal Owner: Cole Austin & Katie Hubbard

Site Address: 315 E 5th St Newberg, OR 97132

Mailing Address: 10241 SW Evergreen Ct Wilsonville, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,040

Lot Acres: 0.12

Year Built: 1991

School District: Newberg School District 29j

Neighborhood:

-04600 04500 13400 Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02801

00670

00900

Legal Owner: Timothy & Laurel Mueller

Site Address: 113 E 7th St Newberg, OR 97132

Mailing Address: Po Box 157 Carlton, OR 97111

Bedrooms: 4

Bathrooms: 2

Building SqFt: 1,566

Lot Acres: 0.19

Year Built: 1970

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00680



Report Generated: 11/17/2021

Legal Owner: Greg Deutelbaum & Vanesa Orourke Site Address: 300 E 5th St Newberg, OR 97132

Mailing Address: 300 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2.5

Building SqFt: 1,359

Lot Acres: 0.19

Year Built: 1963

School District: Newberg School District 29j

Neighborhood:

APN: 50447

Ref Parcel #: R3219AC 04800

Taxes: \$3,006.47 Market Value: \$331,601 Assessed Value: \$202,960 Sales Price: \$408,000

Transfer Date: 9/27/2021

Legal: SEE METES & BOUNDS

APN: 50303

Ref Parcel #: R3219AD 12900

Taxes: \$1,452.34 Market Value: \$246,101 Assessed Value: \$98,044

Sales Price: \$0 Transfer Date:

Legal Owner: Christopher & Yolanda Jones Site Address: 405 E 6th St Newberg, OR 97132 Mailing Address: 405 E 6th St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1 **Building SqFt: 660**

Year Built: 1946

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 12900

Lot Acres: 0.12

1 1	3400 1	2500
04500	13300	12400
04400	13200	12600
04301	13100	12700
	13000	12800
04300	12900	
04200		Education of

Legal Owner: Nathaniel Zahm & Jessica Matchett Site Address: 512 S Blaine St Newberg, OR 97132

Mailing Address: 512 S Blaine St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 1

Building SqFt: 1,000

Lot Acres: 0.12

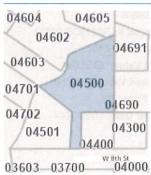
Year Built: 1989

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 13100

Lot Acres: 0.80



Legal Owner: Thomas Birmingham Iii

Site Address: 115 W 8th St Newberg, OR 97132

Mailing Address: 117 W 8th St Newberg, OR 97132

Bedrooms: 4 Bathrooms: 3 Building SqFt: 2,176

Year Built: 1976

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 50321

Ref Parcel #: R3219AD 13100

Taxes: \$2,358.32 Market Value: \$273,236 Assessed Value: \$159,205 Sales Price: \$245,000

Transfer Date: 6/10/2016

APN: 56361

Ref Parcel #: R3219DB 04500

Taxes: \$3.598.43 Market Value: \$566,246 Assessed Value: \$242,922

Sales Price: \$0 Transfer Date:



05900

06500

06503

05909

06000 05908

07000

07001

06700

06600

05900

06503

06400

Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com

Report Generated: 11/17/2021

Ref Parcel #: R3219AC 05900

Taxes: \$3,966.09

Market Value: \$382,464

Sales Price: \$362,000

Transfer Date: 9/11/2019

Transfer Date: 1/31/2005

Assessed Value: \$267,742

06600 //	05701	Legal Owner:	Michael & Chennel Evans	APN: 50704

Site Address: 131 W Johanna Ct Newberg, OR 97132 05202

Mailing Address: 131 W Johanna Ct Newberg, OR 97132 Bedrooms: 3

Bathrooms: 2 05902

05702

05801 05901

W059061a CI

05910

05600

05700

05701

05901

05909

06000

06100

06300

05902

05202

05801

05912

05905

05500

05702

05903

05801

VV Jo

05906

05908

06000 05908

05900

Building SqFt: 1,732 Lot Acres: 0.19

Year Built: 1997

School District: Newberg School District 29j

Neighborhood:

Legal: LOT 1 IN CRISMAN ESTATES

Legal Owner: Jimmy & Kathie Morton

APN: 50651

Site Address: 512 S Dayton Ave Newberg, OR 97132 Ref Parcel #: R3219AC 05701

Mailing Address: 25153 NE Butteville Rd Aurora, OR 97002 Taxes: \$3,684.52 Bedrooms: 3 Market Value: \$387,100 Bathrooms: 2 Assessed Value: \$248,734 Sales Price: \$195,900 Building SaFt: 1,541 Lot Acres: 0.22

Year Built: 1992 School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05701



Site Address: 603 S Dayton Ave Newberg, OR 97132 Ref Parcel #: R3219AC 05909 Mailing Address: Po Box 157 Carlton, OR 97111 Taxes: \$2,561.47

Bedrooms: 4 Market Value: \$336,672 Bathrooms: 2 Assessed Value: \$172,919

Building SqFt: 1,704 Lot Acres: 0.17 Sales Price: \$0 Transfer Date: Year Built: 1969

05910 School District: Newberg School District 29j

Neighborhood:

05911 Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05909 LOT 10



06500 Bedrooms: 3 Market Value: \$351,782 06502 Assessed Value: \$202,465 Bathrooms: 2 05801 06503

Building SqFt: 2,432 Lot Acres: 0.30 Sales Price: \$0 05900 Year Built: 1999 **Transfer Date:** 06505

School District: Newberg School District 29j 06400

05909

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 06503 LOT 1 BLOCK 23



Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 11/17/2021

1300	S	Garfield St
04691	04690	00300
	04200	04204 00600
04300	04201	04203 00700
	042	202

Legal Owner: Deborah Roberts

Site Address: 702 S Garfield St Newberg, OR 97132

Mailing Address: 702 S Garfield St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,188

Lot Acres: 0.09

Year Built: 1997

School District: Newberg School District 29j

Neighborhood:

Legal: PARCEL 1 P1997-51

APN: 56254

APN: 50492

APN: 49824

APN: 56469

Taxes: \$3.065.72

Market Value: \$347,238

Sales Price: \$310,000

Assessed Value: \$234,188

Transfer Date: 12/8/2017

Taxes: \$3,149.56

Market Value: \$363,626

Sales Price: \$233,759

Transfer Date: 2/10/2021

Ref Parcel #: R3219DB 04605

Assessed Value: \$212,620

Taxes: \$1,814.71

Market Value: \$248,361

Sales Price: \$181,250

Transfer Date: 8/4/2006

Assessed Value: \$122,507

Ref Parcel #: R3219AC 02400

Ref Parcel #: R3219DB 04200

Taxes: \$2,933.73 Market Value: \$219,864 Assessed Value: \$198,050 Sales Price: \$119,000

Transfer Date: 1/18/2005

Ref Parcel #: R3219AC 05000

02202	02401	-02400-	

Legal Owner: Kerrie Allen

Site Address: 206 E 5th St Newberg, OR 97132

Mailing Address: 206 E 5th St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1 Building SqFt: 940

Year Built: 1909

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05000

Lot Acres: 0.12

05100 04800 05000 05300 0.4900 05201 04301

01600 01400

02501

02500

E 5th St

01800

02300

01700

02401 02400

05100 05000

Legal Owner: Engle Llc

Site Address: 211 E 5th St Newberg, OR 97132

Mailing Address: 211 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,234

Lot Acres: 0.30

Year Built: 1962

School District: Newberg School District 29j

Neighborhood:

04700 Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02400



Legal Owner: Daniel Allenby & Heather Moriarty

Site Address: 614 S Dayton Ave Newberg, OR 97132

Mailing Address: 614 S Dayton Ave Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1.5 Building SqFt: 1,352

Year Built: 1978

Lot Acres: 0.57

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 04605



08401

08200

05500

05400

05904

05912

Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 11/17/2021

Ref Parcel #: R3219AC 08300

APN: 51829

Taxes: \$3,708.40

Sales Price: \$0

Transfer Date:

APN: 50562

Taxes: \$4,704.79

Sales Price: \$0

Transfer Date:

APN: 49361

Taxes: \$0.00

Sales Price: \$0

Transfer Date:

APN: 50027

Taxes: \$2,230.13

Sales Price: \$0

Transfer Date:

Market Value: \$258,536

Assessed Value: \$150,551

Market Value: \$540,488

Assessed Value: \$317,610

Ref Parcel #: R3219AD 12300

Market Value: \$667,563

Assessed Value: \$190,178

Ref Parcel #: R3219AD 12400

Market Value: \$475,049

Assessed Value: \$250,346

Ref Parcel #: R3219AC 05201

10300 08400 08403

10200

Legal Owner: Keith & Evelyn Barnes

Site Address: 429 S Main St Newberg, OR 97132

Mailing Address: 429 S Main St Newberg, OR 97132

Bedrooms: 4 Bathrooms: 2

Building SqFt: 2,189

Lot Acres: 0.27

Year Built: 1904

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 08300

07000 07100 06900 05600 07001 06800

05100 04900

04800

04700

04301

04100

05300 05000

05702 05201

08402

08300

Legal Owner: Schmidt Charles M & Fonda R (Trustees Of)

Site Address: Schmidt Charles M

Mailing Address: 514 S Dayton Ave Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05201

Lot Acres: 1.00

Memorial ᇙ S Howard E!

Legal Owner: Newberg City Of

Site Address: 411 S Howard St Newberg, OR 97132

Mailing Address: 535 NE 5th St Mcminnville, OR 97128

Bedrooms: 0 Bathrooms: 0

Building SqFt: 95

Year Built: 1900

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 12300 BLOCK 3

Lot Acres: 1.56

12300 02700-E 5th! S ō M0H M0H 12400 13300 12500 13200 12600 11500 11400 13100 12700

Legal Owner: James & Gail Bonsey

Site Address: 501 S Howard St Newberg, OR 97132

Mailing Address: 501 S Howard St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 2.5

Building SqFt: 1,118

Year Built: 1954

School District: Newberg School District 29j

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 12400

Lot Acres: 0.12



Report Generated: 11/17/2021

01400 -02701		Legal Owner: Sergiy Barsukov	APN: 49922
THE PARTY OF THE P	2700	Site Address: 307 E 5th St Newberg, OR 97132	Ref Parcel #: R3219AC 02600
02501	UNITED TO	Mailing Address: 307 E 5th St Newberg, OR 97132	Taxes: \$2,538.55
	1838	Bedrooms: 4	Market Value: \$315,450
02500 02600	02801	Bathrooms: 1	Assessed Value: \$171,372
02500 02000	12.00	Building SqFt: 2,336 Lot Acres: 0.17	Sales Price: \$0
	02800	Year Built: 1949	Transfer Date:
		School District: Newberg School District 29j	
h St		Neighborhood:	
04800 04600	04500	Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQ	TR C TAXLOT 02600
02100-02300	-02401-	Legal Owner: Joslyn & Keith Keating	APN: 50571
5th St		Site Address: 116 E 5th St Newberg, OR 97132	Ref Parcel #: R3219AC 05300
		Mailing Address: 116 E 5th St Newberg, OR 97132	Taxes: \$2,374.24
	05100	Bedrooms: 3	Market Value: \$260,338
	CHESTON SHAT	Bathrooms: 1	Assessed Value: \$160,280
05400 05300	05000	Building SqFt: 1,348 Lot Acres: 0.13	Sales Price: \$274,900
05500	Tales (1991	Year Built: 1901	Transfer Date: 8/30/2016
		School District: Newberg School District 29j	
0.5700	5201	Neighborhood:	
05702		Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQ	TR C TAXLOT 05300
	01600	Legal Owner: Richard & Jessica Hughes	APN: 50287
01800 017	700	Site Address: 209 E 5th St Newberg, OR 97132	Ref Parcel #: R3219AC 02401
02203		Mailing Address: 209 E 5th St Newberg, OR 97132	Taxes: \$3,877.86
02203	a pulsy f	Bedrooms: 4	Market Value: \$393,196
02300	02400	Bathrooms: 3.5	Assessed Value: \$261,786
02401	02501	Building SqFt: 2,500 Lot Acres: 0.22	Sales Price: \$432,500
02202	Latter Late	Year Built: 1964	Transfer Date: 7/29/2019
		School District: Newberg School District 29j	Transfer Batt. 1/23/2010
		Neighborhood:	
05400-05100-	04,800	Legal: SEE METES & BOUNDS	
04700 04400	45300	Legal Owner: Patricia Doxtater	APN: 50376
34/00 04400	101	Site Address: 521 S Blaine St Newberg, OR 97132	Ref Parcel #: R3219AC 04300
04301	13100	Mailing Address: 521 S Blaine St Newberg, OR 97132	Taxes: \$3,042.63
04301		Bedrooms: 3	
	13000	Bathrooms: 2	Market Value: \$332,990
04300) 13000		Assessed Value: \$205,401
		Building SqFt: 1,272 Lot Acres: 0.15	Sales Price: \$210,000
		Year Built: 1979	Transfer Date: 9/30/2015
04200		School District: Newberg School District 29j	
	-	Neighborhood:	
04100	04300	Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQ	TR C TAXLOT 04300



00300

00400

01100

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8

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10500

Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 11/17/2021

APN: 53952

APN: 505546

Taxes: \$3,609.26

Market Value: \$416,477

Sales Price: \$270,000

Transfer Date: 3/7/2007

Assessed Value: \$243,653

Ref Parcel #: R3219AC 05906

Taxes: \$2,585.27

Market Value: \$403,983

Sales Price: \$528,000

Assessed Value: \$174,526

Transfer Date: 10/22/2021

Ref Parcel #: R3219AD 11100

APN: 54755 Legal Owner: Rigoberto & Lucia Garcia

Site Address: 705 S Blaine St Newberg, OR 97132 Ref Parcel #: R3219DB 00400

Mailing Address: 705 S Blaine St Newberg, OR 97132 Taxes: \$2,321.81

Bedrooms: 2 Market Value: \$280,876 Bathrooms: 1 Assessed Value: \$156,740

Lot Acres: 0.14 Sales Price: \$0 Building SqFt: 1,120 Transfer Date: Year Built: 1954

School District: Newberg School District 29j

Neighborhood: Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR D QQTR B TAXLOT 00400

10800 Legal Owner: Daniel & Sarah Taylor 11700 Site Address: 515 S School St Newberg, OR 97132 11600 10700 11000 Mailing Address: 515 S School St Newberg, OR 97132 11500 Bedrooms: 4 Bathrooms: 2 10600 11100 11400

Building SqFt: 2,820

Year Built: 1909

School District: Newberg School District 29j Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 11100 LOT 4 BLOCK 4

Lot Acres: 0.20

APN: 508090 Legal Owner: Harry Banister & Jennifer Dittmer

05908 Site Address: 128 W Johanna Ct Newberg, OR 97132 Ref Parcel #: R3219AC 05911 05910 05905 Mailing Address: 128 W Johanna Ct Newberg, OR 97132 Taxes: \$3,079.82

05913 Bedrooms: 3 Market Value: \$364,014 05912 Bathrooms: 2 Assessed Value: \$207,912 05907 05911 Building SqFt: 1,480 Lot Acres: 0.17 Sales Price: \$100,000 Transfer Date: 4/26/2013 Year Built: 2013

04605 04690 Neighborhood:

School District: Newberg School District 29j

04602 Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05911

Legal Owner: Paul & Emily Bachand 05901 05801 Site Address: 120 W Johanna Ct Newberg, OR 97132 05902 05900 Mailing Address: 120 W Johanna Ct Newberg, OR 97132 05903 Bedrooms: 3 W Johanna C Bathrooms: 2 05909 05906 Building SqFt: 1,732 Lot Acres: 0.24 05908 Year Built: 2005 05910 05905

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05906



Report Generated: 11/17/2021

Ref Parcel #: R3219AC 02501

Market Value: \$347,270

Assessed Value: \$224,989

01400	02701
02501 02500	02700 02800
	02600
	02501

Legal Owner: Vivian Archibald

Site Address: 215 E 5th St Newberg, OR 97132

Mailing Address: 215 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 2,160

Lot Acres: 0.22

Sales Price: \$0

APN: 49913

Transfer Date:

Taxes: \$3,332.78

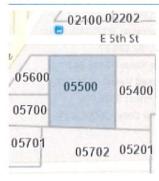
04600

School District: Newberg School District 29j

Neighborhood:

Year Built: 1974

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02501



Legal Owner: Kenneth & Rhonda Marron

Site Address: 102 E 5th St Newberg, OR 97132

Mailing Address: 102 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

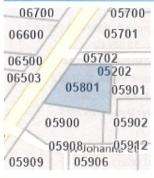
Building SqFt: 2,186 Lot Acres: 0.34

Year Built: 1972

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05500



Legal Owner: Hans Jensen

Site Address: 516 S Dayton Ave Newberg, OR 97132

Mailing Address: 22330 NE Highway 240 Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,912 Lot Acres: 0.18

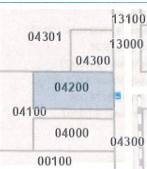
Year Built: 1946

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 05801

Lot Acres: 0.31



Legal Owner: Danny & Jo Russell

Site Address: 527 S Blaine St Newberg, OR 97132

Mailing Address: 527 S Blaine St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 3 Building SqFt: 2,382

Year Built: 1935

School District: Newberg School District 29j

Neighborhood:

Legal: SEE METES & BOUNDS

APN: 50606

Ref Parcel #: R3219AC 05500

Taxes: \$3,981.67 Market Value: \$413,313 Assessed Value: \$268,794 Sales Price: \$333,500 Transfer Date: 5/24/2016

APN: 50688 Ref Parcel #: R3219AC 05801

Taxes: \$3,683.08 Market Value: \$354,446

Assessed Value: \$248,637

Sales Price: \$0 Transfer Date:

APN: 50367

Ref Parcel #: R3219AC 04200

Taxes: \$3,791.81 Market Value: \$407,292 Assessed Value: \$255,977 Sales Price: \$299,000 Transfer Date: 8/11/2005



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Report Generated: 11/17/2021

13200	12600	11500
13100	12700	
12900 13000	12800	11400 55 11300
6th St		SHO
04	300	

Legal Owner: Jerry & Linda Havener

Site Address: 521 S Howard St Newberg, OR 97132 Mailing Address: 521 S Howard St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 1

Building SqFt: 1,728

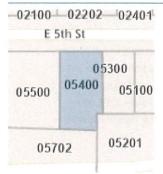
Lot Acres: 0.23

Year Built: 1912 School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR D TAXLOT 12800

Lot Acres: 0.21



Legal Owner: Schmidt Charles M & Fonda R Schmidt Charles

Site Address: M Living Trust

Mailing Address: 112 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 1

Building SqFt: 2,664

Year Built: 1920

School District: Newberg School District 29j Neighborhood:

Legal: SEE METES & BOUNDS

APN: 50296

Ref Parcel #: R3219AD 12800

Taxes: \$2,926.91

Market Value: \$370,633 Assessed Value: \$224,817

Sales Price: \$0 Transfer Date:

APN: 50599

Ref Parcel #: R3219AC 05400

Taxes: \$2,291.47 Market Value: \$308,433 Assessed Value: \$154,692

Ref Parcel #: R3219AC 02300

Sales Price: \$0 Transfer Date:

Taxes: \$2,473.11

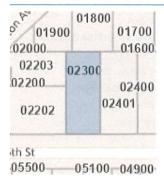
Market Value: \$301,142

Sales Price: \$88,413

Assessed Value: \$166,954

Transfer Date: 3/10/2014

Ref Parcel #: R3219AC 02100



Legal Owner: Norven Hilger APN: 49815

Site Address: 201 E 5th St Newberg, OR 97132

Mailing Address: 201 E 5th St Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

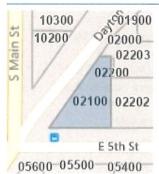
Building SqFt: 1,615 Lot Acres: 0.20

Year Built: 1998

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02300



Legal Owner: Ronda Arbogast & Frank Measel Site Address: 107 E 5th St Newberg, OR 97132

Mailing Address: 107 E 5th St Newberg, OR 97132

Bedrooms: 2 Bathrooms: 1

Building SqFt: 1,120 Year Built: 1974

Lot Acres: 0.17

Sales Price: \$0

Transfer Date:

APN: 49780

Taxes: \$2,461.00

Market Value: \$293,940

Assessed Value: \$166,137

School District: Newberg School District 29j Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02100



Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com

Report Generated: 11/17/2021

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02202	02401
	2000 02203 00

Legal Owner: SIGMUND HOLDINGS LLC

Site Address: 113 E 5Th St Newberg, OR 97132

Mailing Address: Po Box 3189 Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0

Lot Acres: 0.00

Year Built: 0

School District: Newberg School District 29j

Neighborhood:

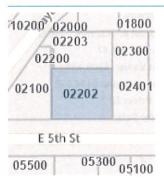
Legal: LOT 2 P2020-21

Ref Parcel #: R3219AC 02203

Taxes: \$0.00 Market Value: \$0 Assessed Value: \$0

Sales Price:

Transfer Date:



Legal Owner: BLACK SHEEP CONSTRUCTION LLC

Site Address: 113 E 5Th St Newberg, OR

Mailing Address: 16340 Ne Yamhill Rd Yamhill, OR 97148

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Year Built: 0

School District: Newberg School District 29j

Neighborhood:

Legal: LOT 1 P2020-21

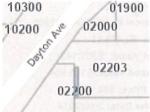
APN:

Ref Parcel #: R3219AC 02202

Ref Parcel #: R3219AC 02200

Ref Parcel #: R3219AC 06500

Taxes: \$0.00 Market Value: \$0 Assessed Value: \$0 Sales Price: \$295,000 Transfer Date: 9/14/2020



Legal Owner: Frank Measel & Ronda Arbogast Site Address: E 5th St Newberg, OR 97132

Mailing Address: 107 E 5th St Newberg, OR 97132

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Year Built: 0

Lot Acres: 0.00

Lot Acres: 0.00

Sales Price: \$0

Transfer Date:

APN: 50820

APN: 49806

Taxes: \$7.34

Market Value: \$504

Assessed Value: \$504



Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 02200



Legal Owner: Jones Gary A & Sheran D Jones Living Trust

Site Address: 521 S Dayton Ave Newberg, OR 97132

Mailing Address: 521 S Dayton Ave Newberg, OR 97132

Bedrooms: 3 Bathrooms: 2

Building SqFt: 2,201 Year Built: 1996

Assessed Value: \$336,247

Lot Acres: 1.64

Sales Price: \$0 Transfer Date:

Taxes: \$4,980.86

Market Value: \$706,310

School District: Newberg School District 29j

Neighborhood:

Legal: TOWNSHIP 3S RANGE 2W SECTION 19 QTR A QQTR C TAXLOT 06500



775 NE Evans Street McMinnville, OR 97128 Phn - (503)376-7363 Fax - (866)800-7294

PUBLIC RECORD REPORT FOR NEW SUBDIVISION OR LAND PARTITION

THIS REPORT IS ISSUED BY THE ABOVE-NAMED COMPANY ("THE COMPANY") FOR THE EXCLUSIVE USE OF:

Refinance-Borrower 4211 Chad Drive Lake Oswego, OR 97034 Phone:

Fax:

Date Prepared: November 15, 2021

Effective Date : 8:00 A.M on November 10, 2021

Order No.

: 7000-3742457

Subdivision

: 601 S Blaine

The information contained in this report is furnished by First American Title Insurance Company (the "Company") as an information service based on the records and indices maintained by the Company for the county identified below. This report is not title insurance, is not a preliminary title report for title insurance, and is not a commitment for title insurance. No examination has been made of the Company's records, other than as specifically set forth in this report. Liability for any loss arising from errors and/or omissions is limited to the lesser of the fee paid or the actual loss to the Customer, and the Company will have no greater liability by reason of this report. This report is subject to the Definitions, Conditions and Stipulations contained in it.

REPORT

A. The Land referred to in this report is located in the County of Yamhill, State of Oregon, and is described as follows:

As fully set forth on Exhibit "A" attached hereto and by this reference made a part hereof.

B. As of the Effective Date, the tax account and map references pertinent to the Land are as follows:

As fully set forth on Exhibit "A" attached hereto and by this reference made a part hereof.

C. As of the Effective Date and according to the Public Records, we find title to the land apparently vested in:

As fully set forth on Exhibit "B" attached hereto and by this reference made a part hereof

D. As of the Effective Date and according to the Public Records, the Land is subject to the following liens and encumbrances, which are not necessarily shown in the order of priority:

As fully set forth on Exhibit "C" attached hereto and by this reference made a part hereof.

EXHIBIT "A" (Land Description Map Tax and Account)

Part of the Joseph B. Rogers Donation Land Claim No. 55 in Section 19, Township 3 South, Range 2 West of the Willamette Meridian in Yamhill County, Oregon, described as follows:

Beginning at a point on the West margin of Blaine Street, 300 feet South of the intersection of the South line of Fifth Street with the West line of Blaine Street in the City of Newberg; thence West 120.0 feet to the True Point of Beginning of the tract herein described; thence continuing West 224.0 feet; thence South 40.0 feet; thence West 166 feet; thence South 129.0 feet; thence East 390.0 feet; thence North 69.0 feet; thence East 120.0 feet to the West margin of Blaine Street; thence North along the West margin of said Blaine Street, 20.0 feet; thence West 120.0 feet; thence North 80 feet to the True Point of Beginning.

SAVE AND EXCEPTING THEREFROM that portion conveyed to Terry Clevenger and Kathy Clevenger, husband and wife, by Deed recorded October 5, 1990 in Film Volume 248, Page 736, Deed and Mortgage Records.

FURTHER SAVE AND EXCEPTING THEREFROM that portion conveyed to Thomas R. Norwood and Diane K. Norwood, husband and wife, by Deed recorded February 23, 1993 in Film Volume 282, Page 1743, Deed and Mortgage Records.

NOTE: This legal description was created prior to January 1, 2008.

Map No.: R3219AC 04100 Tax Account No.: 50358 First American Title Insurance Company Public Record Report for New Subdivision or Land Partition Order No. 7000-3742457

EXHIBIT "B" (Vesting)

Zone Holdings, LLC, a Washington limited liability company

EXHIBIT "C" (Liens and Encumbrances)

- 1. City liens, if any, of the City of Newberg.
- The rights of the public in and to that portion of the premises herein described lying within the limits of streets, roads and highways.
- 3. Restrictive Covenants regarding Underground utilities, imposed by , including terms and provisions

thereof.

Recorded:

November 27, 1968 as Film Volume 73, Page 784

4. Distribution Line Easement, including terms and provisions contained therein:

Recording Information:

November 27, 1968 as Film Volume 73, Page 786

In Favor of:

Portland General Electric Company, an Oregon Corporation

For:

Electric Power lines and appurtenances

Affects:

References is hereby made to said document for full

particulars

5. Easement, including terms and provisions contained therein:

Recording Information:

October 5, 1990 as Film Volume 248, Page 733

In Favor of:

Terry Clevenger and Kathy Clevenger Access to and from Blaine Street

For: Affects:

References is hereby made to said document for full

particulars

6. Storm Drainage and Ingress-Egress Easement, including terms and provisions contained therein:

Recording Information:

June 14, 2016 as Instrument No. 201608582, Deed and

Mortgage Records

In Favor of:

City of Newberg

For:

Storm drainage and access

Affects:

References is hereby made to said document for full

particulars

7. Deed of Trust and the terms and conditions thereof.

Grantor/Trustor:

Zone Holdings, LLC, a Washington limited liability company

Grantee/Beneficiary:

Mortgage Electronic Registration Systems, Inc., acting solely as

nominee for HomeExpress Mortgage Corp.

Trustee:

First American \$412,500.00

Amount: Dated:

Recorded:

June 15, 2021 June 17, 2021

Recording Information:

Instrument No. 2021-12411, Deed and Mortgage Records

- 8. Unrecorded leases or periodic tenancies, if any.
- 9. Any conveyance or encumbrance by Zone Holdings, LLC should be executed pursuant to their Operating Agreement, a copy of which should be submitted to this office for inspection.

First American Title Insurance Company Public Record Report for New Subdivision or Land Partition Order No. 7000-3742457

NOTE: Taxes for the year 2021-2022 PAID IN FULL

Tax Amount:

\$4,181.75

Map No.:

R3219AC 04100

Property ID:

50358

Tax Code No.:

29.0

DEFINITIONS, CONDITIONS AND STIPULATIONS

- 1. **Definitions.** The following terms have the stated meaning when used in this report:
 - (a) "Customer": The person or persons named or shown as the addressee of this report.
 - (b) "Effective Date": The effective date stated in this report.
 - (c) "Land": The land specifically described in this report and improvements affixed thereto which by law constitute real property.
 - (d) "Public Records": Those records which by the laws of the state of Oregon impart constructive notice of matters relating to the Land.

2. Liability of the Company.

- (a) THIS REPORT IS NOT AN INSURED PRODUCT OR SERVICE OR A REPRESENTATION OF THE CONDITION OF TITLE TO REAL PROPERTY. IT IS NOT AN ABSTRACT, LEGAL OPINION, OPINION OF TITLE, TITLE INSURANCE COMMITMENT OR PRELIMINARY REPORT, OR ANY FORM OF TITLE INSURANCE OR GUARANTY. THIS REPORT IS ISSUED EXCLUSIVELY FOR THE BENEFIT OF THE APPLICANT THEREFOR, AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PERSON. THIS REPORT MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT FIRST AMERICAN'S PRIOR WRITTEN CONSENT. FIRST AMERICAN DOES NOT REPRESENT OR WARRANT THAT THE INFORMATION HEREIN IS COMPLETE OR FREE FROM ERROR, AND THE INFORMATION HEREIN IS PROVIDED WITHOUT ANY WARRANTIES OF ANY KIND, AS-IS, AND WITH ALL FAULTS. AS A MATERIAL PART OF THE CONSIDERATION GIVEN IN EXCHANGE FOR THE ISSUANCE OF THIS REPORT, RECIPIENT AGREES THAT FIRST AMERICAN'S SOLE LIABILITY FOR ANY LOSS OR DAMAGE CAUSED BY AN ERROR OR OMISSION DUE TO INACCURATE INFORMATION OR NEGLIGENCE IN PREPARING THIS REPORT SHALL BE LIMITED TO THE FEE CHARGED FOR THE REPORT. RECIPIENT ACCEPTS THIS REPORT WITH THIS LIMITATION AND AGREES THAT FIRST AMERICAN WOULD NOT HAVE ISSUED THIS REPORT BUT FOR THE LIMITATION OF LIABILITY DESCRIBED ABOVE. FIRST AMERICAN MAKES NO REPRESENTATION OR WARRANTY AS TO THE LEGALITY OR PROPRIETY OF RECIPIENT'S USE OF THE INFORMATION HEREIN.
- (b) No costs (including, without limitation attorney fees and other expenses) of defense, or prosecution of any action, is afforded to the Customer.
- (c) In any event, the Company assumes no liability for loss or damage by reason of the following:
 - (1) Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records.
 - (2) Any facts, rights, interests or claims which are not shown by the Public Records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.
 - (3) Easements, liens or encumbrances, or claims thereof, which are not shown by the Public Records.
 - (4) Discrepancies, encroachments, shortage in area, conflicts in boundary lines or any other facts which a survey would disclose.
 - (5) (i) Unpatented mining claims; (ii) reservations or exceptions in patents or in Acts authorizing the issuance thereof, (iii) water rights or claims or title to water.
 - (6) Any right, title, interest, estate or easement in land beyond the lines of the area specifically described or referred to in this report, or in abutting streets, roads, avenues, alleys, lanes, ways or waterways.
 - (7) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use or enjoyment on the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the Public Records at the effective date hereof
 - (8) Any governmental police power not excluded by 2(d)(7) above, except to the extent that notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the Public Records at the effective date hereof.
 - Defects, liens, encumbrances, adverse claims or other matters created, suffered, assumed, agreed to or actually known by the Customer.
- 3. **Charge.** The charge for this report does not include supplemental reports, updates or other additional services of the Company.



Illegal Restrictive Covenants

Please be advised that any provision contained in this document, or in a document that is attached, linked, or referenced in this document, that under applicable law illegally discriminates against a class of individuals based upon personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or any other legally protected class, is illegal and unenforceable by law.



501 E First Street Newberg, Oregon 97132 503/554-9553 · Fax 503/537-9554

Date:

11/8/2021

Project Number: 2020-018

To:

To Whom It May Concern Andrey Chernishov, PE

From: RE:

Blaine Street Development: Written Criteria Response

Overview

Applicant:

Casey and Shannon Bernard

Owner:

Casey and Shannon Bernard

Prepared By:

Andrey Chernishov, PE

HBH Consulting Engineers, Inc.

Property Description:

Tax Lot R3219AC4100 601 S Blaine Street

Newberg, Oregon 97312

Zoning:

R-3

Proposed Partition:

Parcel 1 = 37,780.28 SF

Parcel 2 = 9,490.53 SF Parcel 3 = 8,810.74 SF

Project Summary

This project is located at 601 S Blaine Street. The existing development onsite is a single-family residential structure.

The development proposal is to partition the lot into three parcels: one for the existing house and two new lots for four duplexes.

Water and sanitary sewer can be provided from the existing facilities in Blaine Street. Stormwater for the impervious area added by the development is handled by a regional extended dry basin facility located on Parcel 1.

Written Criteria Response

The land division application shall conform to the requirements of this chapter;

Response: Per NMC 15.235.030, the requested partition may be processed as a Type II application as it is fully within the city limits, does not contain any Goal 5 Resources, complies with street connectivity standards, meets 80% or more of the net density for an R3 zone, and the applicant is not requesting a referral to the Planning Commission.

2. All proposed lots, blocks, and proposed land uses shall conform to the applicable provisions of NMC Division 15.400, Development Standards:

15.405.010 Lot area – Lot areas per dwelling unit.

- A. In the following districts, each lot or development site shall have an area as shown below except as otherwise permitted by this code:
 - 2. In the R-2, R-3, and RP districts, each lot or development site shall have a minimum area of 3,000 square feet or as may be established by a subdistrict.

Response: The lot will be partitioned into three lots:

Parcel 1 = 37,780.28 SF Parcel 2 = 9,490.53 SF Parcel 3 = 8,810.74 SF

All parcels greater than 3,000 SF so the criteria are met.

B. Lot or Development Site Area per Dwelling Unit.

3. In the R-3 district, there shall be a minimum of 1,500 square feet of lot or development site area per dwelling unit. Lots or development sites in excess of 15,000 square feet used for multiple single-family, duplex or multifamily dwellings shall be developed at a minimum of one dwelling per 2,500 square feet lot area.

Response: The dwellings will be two sizes:

Unit A= 1,500 SF Unit B= 2,000 SF

All dwellings greater than 1,500 SF so the criteria are met.

- 15.405.030 Lot dimensions and frontage.
 - D. Frontage.
 - 1. No lot or development site shall have less than the following lot frontage standards:
 - a. Each lot or development site shall have either frontage on a public street for a distance of at least 25 feet or have access to a public street through an easement that is at least 25 feet wide. No new private streets, as defined in NMC 15.05.030, shall be created to provide frontage or access except as allowed by NMC 15.240.020(L)(2).
 - b. Each lot in R-2 zone shall have a minimum width of 25 feet at the front building line and R-3 zone shall have a minimum width of 30 feet at the front building line.

Response: These criteria are met, see table below.

	Street Frontage	Width at Building Line
Minimum Required	25'	25'
Parcel 1	25' (Via 5' Easement)	134.86'
Parcel 2	25' (Via 5' & 20' Easement)	119.27'
Parcel 3	25' (Via 5' & 20' Easement)	123.55'

- 15.405.040 Lot coverage and parking coverage requirements.
 - B. Residential uses in residential zones shall meet the following maximum lot coverage and parking coverage standards.
 - 1. Maximum Lot Coverage.
 - c. AR and R-3: 50 percent.
 - Maximum Parking Coverage. R-1, R-2, R-3, and RP: 30 percent.
 - 3. Combined Maximum Lot and Parking Coverage..
 - b. R-3: 70 percent.

Response: These criteria are met, see table below.

Parcel	Lot Area	Lot Coverage (50% Max)	Parking Coverage (30% Max)	Combined Coverage (70% Max)
1	37,780.28 SF	1,560.69 SF = 4%	2,306.76 SF = 6%	3,867.45 SF = 10%
2	9,490.53 SF	3,304 SF= 35%	2,640 SF = 28%	5,944 SF = 63%
3	8,810.74 SF	2,804 SF = 32%	2,320 SF = 26%	5,124 SF = 58%

Note: Outdoor & indoor garages and driveways area considered parking coverage. Indoor garages subtracted from building coverage.

15.410.020 Front yard setback.

A. Residential

- 2. R-3 and RP districts shall have a front yard of not less than 12 feet.
- 3. The entrance to a garage or carport, whether or not attached to a dwelling, shall be set back at least 20 feet from the nearest property line of the street to which access will be provided. However, the foregoing setback requirement shall not apply where the garage or carport will be provided with access to an alley only.

Response: These criteria are met, see table below.

Parcel	Front Yard Setback	Garage Setback
Min	12'	20'
1	58.9'	28.3'
2	26'	20'
3	26'	20'

15.410.030 Interior yard setback.

A. Residential.

1. All lots or development sites in the AR, R-1, R-2 and R-3 districts shall have interior yards of not less than five feet, except that where a utility easement is recorded adjacent to a side lot line, there shall be a side yard no less than the width of the easement.

Response: These criteria are met, see table below.

Parcel	Interior Yard Setback
Min	5'
1	16.47'
2	5'
3	5'

15.410.060 Vision clearance setback.

- B. At the intersection of a private drive and a street, a triangle formed by the intersection of the curb lines, each leg of the vision clearance triangle shall be a minimum of 25 feet in length.
- C. Vision clearance triangles shall be kept free of all visual obstructions from two and one-half feet to nine feet above curb line. When curbs are absent, the edge of asphalt or future curb location shall be used as a guide, whichever provides the greatest amount of vision clearance.

Response: There are no existing or proposed improvements along the frontage that will obscure sight distance. The criteria are met.

15.440.030 Parking spaces required.

Dwelling, single-family or two-family: 2 for each dwelling unit on a single lot

Response: These criteria are met, see table below.

Parcel	Dwelling Units	Parking Stalls
Min	#	#
1	1	4
2	4	12
3	4	12

3. Access to individual lots, and public improvements necessary to serve the development, including but not limited to water, wastewater, stormwater, and streets, shall conform to NMC Division 15.500, Public Improvement Standards;

15.505.030 Street standards

- G. Street Width and Design Standards.
 - 7. Sidewalks. Sidewalks shall be provided on both sides of all public streets. Minimum width is five feet.

Response: Sidewalk improvements in the ROW will be 5' in width and to city standards and specifications.

T. Street Trees. Street trees shall be provided for all projects subject to Type II design review, partition, or subdivision. Street trees shall be installed in accordance with the provisions of NMC 15.420.010(B)(4).

Response: Street trees cannot be planted along the 25' length of Blaine Street frontage as the frontage will be paved driveway as required by city standards. The criteria is met.

U. Street Lights. All developments shall include underground electric service, light standards, wiring and lamps for streetlights according to the specifications and standards of the Newberg public works design and construction standards. The developer shall install all such facilities and make the necessary arrangements with the serving electric utility as approved by the city. Upon the city's acceptance of the public improvements associated with the development, the street lighting system, exclusive of utility-owned service lines, shall be and become property of the city unless otherwise designated by the city through agreement with a private utility.

Response: There is currently a pole mounted streetlight at the northwest corner of the lot. If needed, an option A mast arm and LED lamp could be installed on the existing utility pole located at the northeast corner of the property.

15.505.040 Public Utility Standards. Water, Wastewater, Stormwater

Response: Parcel 1 with the existing house is currently serviced by a public water service and septic sanitary system. Stormwater runoff drains from this site to the west into a creek basin that is a tributary of Chehalem Creek.

Parcels 2 and 3 will be served by new water services. Each building on parcels 2 & 3 will be outfitted with a private sewage grinder pump that feeds via a low pressure force main to a manhole at the east end of the property, which from there drains via gravity flow to a public main in Blaine Street. This is due to the fact a shallow public wastewater main in Blaine St is not deep enough to serve all three lots while meeting the city required minimum 2% slope along sewer laterals.

Parcel 1 will be upgraded to process sewage in the same manner as parcels 2 & 3 and the private septic system will be decommissioned as required by Yamhill County.

A regional extended dry basin facility will be added on parcel 1 to manage stormwater runoff from all three parcels as a result of the increased impervious are from construction.

The nearest hydrant is located approximately 232 feet south of the parcel 1's access on the west side of Blaine Street.

At the pre-application meeting with the city, Engineering staff did not report any capacity concerns for the existing public utilities, therefore the improvements of this project do not propose any capacity related issues.

The criteria are met.

4. The proposed plat name is not already recorded for another subdivision, and satisfies the provisions of ORS Chapter 92;

Response: The partition plat will be assigned a unique number by the County Surveyor at the time of recording. Criteria is met.

5. The proposed streets, utilities, and stormwater facilities conform to city of Newberg adopted master plans and applicable Newberg public works design and construction standards, and allow for transitions to existing and potential future development on adjacent lands. The preliminary plat shall identify all proposed public improvements and dedications;

Response: Refer to the attached plan demonstrating compliance with master plans, design & construction standards. Criteria is met.

6. All proposed private common areas and improvements, if any, are identified on the preliminary plat and maintenance of such areas is assured through the appropriate legal instrument;

Response: Does not apply as no common areas are proposed.

7. Evidence that any required state and federal permits, as applicable, have been obtained or can reasonably be obtained prior to development; and

Response: No state or federal permits are required for the partition.

8. Evidence that improvements or conditions required by the city, road authority, Yamhill County, special districts, utilities, and/or other service providers, as applicable to the project, have been or can be met.

Response: Refer to the attached plans and this application which demonstrates compliance.



501 E First Street Newberg, Oregon 97132 Ph. 503-554-9553 | Fax 503-537-9554



Project Number: 2018-011

STORMWATER MEMORANDUM

Date: October 14, 2020

To Whom It May Concern From: Andrey Chernishov, PE

RE:

To:

Blain Street Land Use Approval: HydroCAD Report

Overview

The proposed project is a partition located at 601 S Blain Street, Newberg, OR 97132 and has an area of 1.29 acres. The existing site area is approximately 85% pervious and drains to a tributary of Chehalem Creek which passes through the west side of the property. The proposed project reduces the pervious area of the site to approximately 30%. HydroCAD was used to model stormwater on the site (See Attachments A-C). An extended dry basin stormwater facility will be added to the northwest corner of the property to treat and detain the increased runoff due to the added impervious area on-site. The detention provided by the extended dry basin reduces the post-developed peak runoff to the tributary creek to under the predeveloped conditions.

Existing Conditions

Based on a survey, the existing site consists of primarily grass and forest with smaller areas of various imperious surfaces, as shown in Table 1 and Table 2. Per USDA NRCS WSS records, the soils underlying the project site are 75% Aloha silt loam and 25% Woodburn Silt Loam with Hydrological Soil Group (HSG) ratings of C/D & D respectively. The Woodburn silt loam is in the forested area on the west side of the site and is modeled as Subcatcment 2S in the attached HydroCAD models. The runoff from 2S is used in calculating both the predeveloped and post-developed runoff from the site. The remainder of the existing site is modeled as Subcatchment 1S. HSG C/D was modeled in HydroCAD by taking the average curve number (CN) of HSG C & D for each respective area. The site is being modeled with negligible infiltration for preliminary applications. A soil infiltration test will be performed during the engineering phase to finetune and finalize the model. A finalized report and design will be submitted along the final construction plans.

Table 1 - Subcatchment 1S - Predevelopment

Surface	CN	Area (SF)	% of Total Area
Grass (HSG C/D)	77	33,508	80%
AC/Concrete/Roofs (HSG C/D)	98	8,544	13%
Total	82 (weighted average)	42,062	100%

Table 2 - Subcatchment 2S - Forest Pre & Post

Surface	CN	Area (SF)	% of Total Area
Forest (HSG D)	83	14,020	100%

These two catchments combined total to approximately 85% pervious area for the site.

Proposed Conditions

The proposed improvements will significantly reduce pervious areas and increase impervious areas onsite to approximately 70%. This triggers the need for both quantity and quality treatment. Runoff from the area outside the forest Subcatchment 2S will drain on the site via roof drains, catch basins, piping, and surface flows to an extended dry basin located northwest of the existing home for detention and treatment (see Existing Conditions: Table 2). This developed area is classified as Subcatchment 3S in the HydroCAD models.

The extended dry basin will be 119' long and 3.5' deep in total. This basin will have a 4' wide base with a side slope of 4:1 on the side of the existing house to facilitate easy mowing and a 3:1 side slope on the forest side to blend the basin back into existing grade as shortly as standards will allow. The extended dry basin drains through an orifice flow control ditch inlet structure then outfalls via a 12" pipe to a rip rap pad in the creek basin (See Attachment D). This is intended to control flows up to the 25-year event. A secondary ditch inlet serves to pass the 50-year storm event. A channel designed to pass the 100-year storm event into the creek basin is incorporated into the rim extended dry basin. Runoff from the forest site remains the same as predeveloped conditions and drains directly into the tributary creek. Table 3 below summarizes the conditions for developed site.

Table 3 - Subcatchment 3S - Post-development

Surface	CN	Area (SF)	% of Total Area
Grass (HSG C/D)	77	16,543	39%
AC/Concrete/Roofs (HSG C/D)	98	25,519	61%
Total	90 (weighted average)	42,062	100%

Fill will retain the same soil characteristics as what is currently onsite.

Design Methodology

The Santa Barbara Urban Hydrograph (SBUH) Method was used to analyze stormwater runoff for the site. This method utilizes the SCS Type 1A 24-hour design storm. HydroCAD 10 computer software was used in the analysis. The HydroCAD model utilized the 24-hour storm rainfall intensities listed in the City of Newberg Design Standards, shown in Table 5 below:

Table 4 – Storm Event Rainfall Intensities

Recurrence Interval (years)	Total Precipitation Depth (inches)
½ of 2	1.25
2	2.5
10	3.5
25	4.0
50	4,2
100	4.5

For quantity treatment, the City of Newberg requires that stormwater runoff be detained onsite such that post-development runoff rates do not exceed pre-development runoff rates from the site, based on 24-hour storm events including ½ of the 2-year, 2-year, 10-year, and 25-year return storms.

For quality treatment, the City of Newberg requires stormwater quality facilities to be designed for a dry weather storm event totaling 1.0 inches of precipitation falling in 24 hours with an average storm return period of 96 hours using a Type IA rainfall distribution.

Water Quality Treatment

The stormwater facility selected, an extended dry basin, is approved by the City of Newberg to treat water quality as well as quantity. The facility collects and holds stormwater runoff, allowing pollutants to filter out and settle into the vegetated bottom of the basin.

A HydroCAD model was ran assuming the infiltration rate as zero to size the water quality orifice (See Attachment A). This yielded a Water Quality Volume (WQV) of 1902 CF for the combined Subcatchments 2S & 3S. Using the Hydraulic Design Criteria from Newberg Standard Detail 461, seen below, yielded a design orifice size of 0.66".

$$D = 24 * \left[\frac{Q}{C[2gH]^{0.5}} \right]^{0.5} = 24 * \left[\frac{0.011 cfs}{0.62 \left[2 \left(32.2 \frac{ft}{s^2} \right) (0.86 ft) \right]^{0.5}} \right]^{0.5} = 0.66" inches$$

$$Where: Q (cfs) = \frac{WQV(cf)}{48 * 60 * 60} = \frac{1,902 cf}{48 * 60 * 60} = 0.011 cfs$$

$$H = \frac{2 * Temporary Detention Height to Center of Orifice}{3} = \frac{2 * 1.29}{3} = 0.86 ft$$

$$C = 0.62; D = Orifice Diameter (in);$$

Notes:

WQV = Runoff Volume of Subcatchments 2S & 3S at the WQ storm event.

Temporary detention height in pond to the center of orifice (from WQ Storm Event) = (Pond 1P Peak Elev:161.52) – (Permanent Pool IE: 160.23) =1.29'

A 0.7-inch orifice is added to the orifice plate with an IE equal to the top of the extended dry basin's permanent pool depth to accommodate for water quality treatment onsite.

Water Quantity

Stormwater quantity treatment is provided by the extended dry basin. The extended dry basin was selected because a LIDA facility/Regional facility is the highest option in the City of Newberg water quality/quantity facility selection hierarchy (Newberg Design Standards section 4.6.8), and per Newberg standard drawing 450, an Extended Dry Basin is most appropriate Regional Facility for the site area. Analyses were performed using HydroCAD software to show and determine the capacity and conveyance of the proposed extended dry basin facility at each of the relevant storm events. Reach 6R represents the creek basin that exits the property to the southwest.

The top of pond elevation is 163.33' with the bottom of pond elevation set at 159.83'. The proposed extended dry basin is designed to have 0.4' of dead storage at the bottom of pond and with a minimum of 1' of freeboard at the 25-year storm event per City of Newberg standards. The extended dry basin is designed with a flow control structure with orifices to reduce post-development stormwater runoff rates be equal to or less than the pre-development stormwater runoff rates as well as control the WQ event. The basin also has a secondary ditch inlet set at the maximum 25-year pond elevation to combat the effects of the 50-yr and 100-yr storms. The 25-year storm event pond elevation is below the required minimum 1' freeboard. These structures are summarized in Table 4 below. The pond elevations for respective storm events are summarized in Table 5 below.

Table 4 - Pond Outlet Structures

Outlet Structure & Size	IE Out
0.7" Orifice (WQ)	160.23'
3" Orifice	161.10'
2.3" Orifice	161.18'
1.5" Orifice	161.42'
Ditch Inlet	161.83'
100-yr Spillway (3'L x 0.5' H)	162.83'

Table 5 - Pond Max Water Surface Elevations

Design Storm Event	1/2 of 2-Year	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
Maximum Water Surface Elevation	161.18'	161.42'	161.54'	161.66'	161.78'	161.83'	161.85'

Although there is a 100-yr spillway designed, the outfall pipe Reach 5R has significant capacity to handle the event.

Hydrology

Analyses were performed using the HydroCAD software (See Attachments A-C). Subcatchment flows are summarized in Table 6 below. Predeveloped (Attachment B) is a summation of 1S & 2S exiting Reach 6R, while post-developed (Attachment C) is Reach 6R which is the outfalls Pond 4P & Subcatchment 2S. There will be a decrease in peak runoff rates for all relevant storm events.

Table 6 - Runoff Summary (excluding area in the Public ROW)

Development Condition	1/2 of 2 Year Storm	2-Year Storm	5-Year Storm	10-Year Storm	25-Year Storm
Predevelopment	0.043 cfs	0.205 cfs	0.299 cfs	0.399 cfs	0.506 cfs
Post-Development	0.031 cfs	0.204 cfs	0.285 cfs	0.355 cfs	0.418 cfs

Conclusions

The proposed development complies with the City of Newberg requirements for stormwater quality and quantity treatment. The extended dry basin as sized is capable of handling stormwater onsite to City of Newberg Standards without accounting for infiltration. Final design will include infiltration.

Appendices

Appendix A – HydroCAD: Water Quality Storm Appendix B – HydroCAD: Predeveloped Condition Appendix C – HydroCAD: Post-developed Condition Appendix D – Preliminary Stormwater Design Plans

ATTACHMENT A



Forest Pre & Post Post-Development



Extended Dry Basin









Blaine Street WQ Storm 2020-018

Type IA 24-hr WQ Storm Rainfall=1.00" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=0.13" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.003 cfs 154 cf

Subcatchment 3S: Post-Development

t Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=0.50" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.090 cfs 1,748 cf

Pond 8P: Extended Dry Basin

Peak Elev=161.52' Storage=1,748 cf Inflow=0.090 cfs 1,748 cf

Outflow=0.000 cfs 0 cf

Blaine Street WQ Storm 2020-018

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Summary for Subcatchment 2S: Forest Pre & Post

Runoff

=

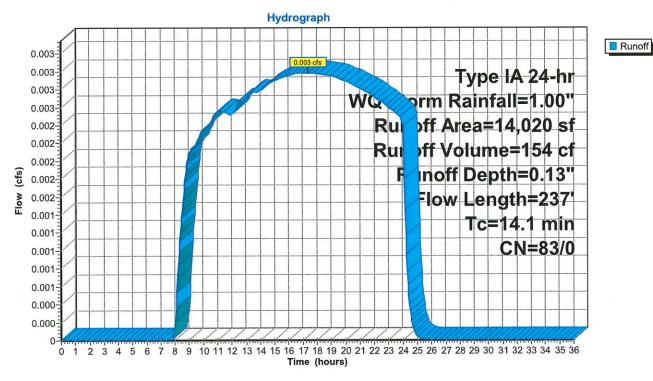
0.003 cfs @ 17.35 hrs, Volume=

154 cf, Depth= 0.13"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr WQ Storm Rainfall=1.00"

77.00	Α	rea (sf)	CN [Description		
		14,020	83 \	Woods, Poo	r, HSG D	
-		14,020	83 ′	100.00% Pe	rvious Area	
25	Tc (min)	Length (feet)	Slope (ft/ft)	The state of the s	Capacity (cfs)	Description
10.	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	14 1	237	Total			

Subcatchment 2S: Forest Pre & Post



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Summary for Subcatchment 3S: Post-Development

Runoff

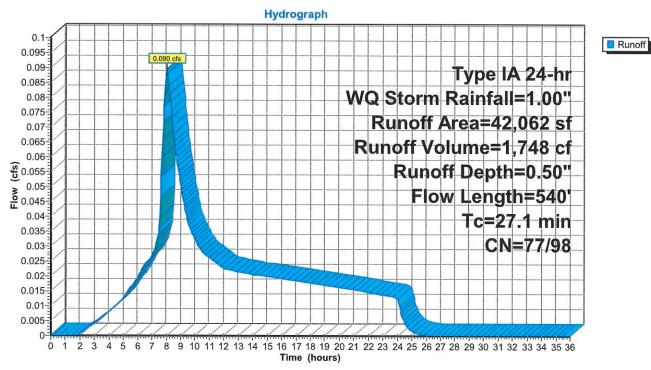
0.090 cfs @ 8.04 hrs, Volume=

1,748 cf. Depth= 0.50"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr WQ Storm Rainfall=1.00"

_	Α	rea (sf)	CN I	Description		
*		16,543	77 :	>75% Grass	cover, Goo	od, HSG C/D
*		25,519	98	Asphalt/Con	crete/Roofs	, HSG C/D
		42,062	90 \	Neighted A	verage	
		16,543		39.33% Per	•	
		25,519	98 (30.67% Imp	ervious Area	a
		•				
	Tc	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	19.8	150	0.0100	0.13		Sheet Flow,
						Grass: Short n= 0.150 P2= 2.60"
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,
						Short Grass Pasture Kv= 7.0 fps
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,
						Forest w/Heavy Litter Kv= 2.5 fps
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,
_						Forest w/Heavy Litter Kv= 2.5 fps
	27.1	540	Total			

Subcatchment 3S: Post-Development



Blaine Street WQ Storm 2020-018

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Summary for Pond 8P: Extended Dry Basin

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth = 0.50" for WQ Storm event

Inflow

8.04 hrs, Volume= 0.090 cfs @

1,748 cf

Outflow

163.33

0.00 hrs, Volume= 0.000 cfs @

0 cf. Atten= 100%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.52' @ 35.95 hrs Surf.Area= 1,713 sf Storage= 1,748 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)

Center-of-Mass det. time= (not calculated: no outflow)

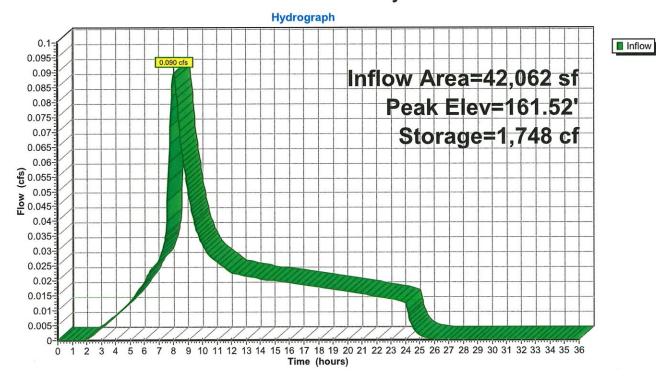
3,370

Volume	Invert	Avail	.Storage	Storage	Description		
#1	159.83'		6,315 cf	Custom	Stage Data (Pri	smatic) Listed below (Recalc)	
Elevation (feet)	Surf./	Area q-ft)		.Store c-feet)	Cum.Store (cubic-feet)		
159.83		391	12.	0	0		
160.83	1	,142		767	767		
161.83	1	,972		1,557	2,324		
162.83	2	.884		2.428	4.752		

Pond 8P: Extended Dry Basin

1,564

6,315



ATTACHMENT B Forest Pre & Post Predevelopment Creek Basin (Subcat) Link Routing Diagram for Blaine Street Predeveloped 2020-018 Reach Pond





Blaine Street Predeveloped 2020-018

Type IA 24-hr 1/2 of 2 year Rainfall=1.25"

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method

Subcatchment 1S: Predevelopment

Runoff Area=42,062 sf 20.34% Impervious Runoff Depth=0.30" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.039 cfs 1,064 cf

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=0.24" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.006 cfs 286 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.15' Max Vel=0.27 fps Inflow=0.045 cfs 1,350 cf n=0.140 L=137.0' S=0.0200'/' Capacity=251.047 cfs Outflow=0.043 cfs 1,350 cf

Blaine Street Predeveloped 2020-018

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Summary for Subcatchment 1S: Predevelopment

Runoff

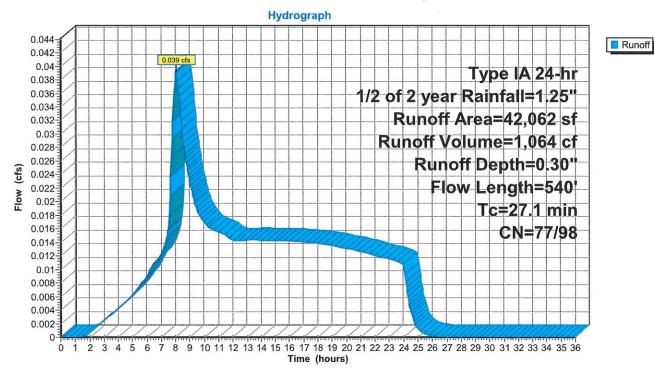
0.039 cfs @ 8.04 hrs, Volume=

1,064 cf, Depth= 0.30"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 1/2 of 2 year Rainfall=1.25"

	Д	rea (sf)	CN [Description		*
*		33,508	77 >	75% Grass	cover, Goo	od, HSG C/D
*		8,554	98 A	Asphalt/Con	crete/Roofs	, HSG C/D
		42,062	81 V	Weighted Av	verage	
		33,508	77 7	79.66% Per	vious Area	
		8,554	98 2	20.34% Imp	ervious Area	a
	Тс	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	19.8	150	0.0100	0.13		Sheet Flow,
						Grass: Short n= 0.150 P2= 2.60"
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,
						Short Grass Pasture Kv= 7.0 fps
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,
						Forest w/Heavy Litter Kv= 2.5 fps
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,
						Forest w/Heavy Litter Kv= 2.5 fps
	27.1	540	Total			

Subcatchment 1S: Predevelopment



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Summary for Subcatchment 2S: Forest Pre & Post

Runoff

=

0.006 cfs @

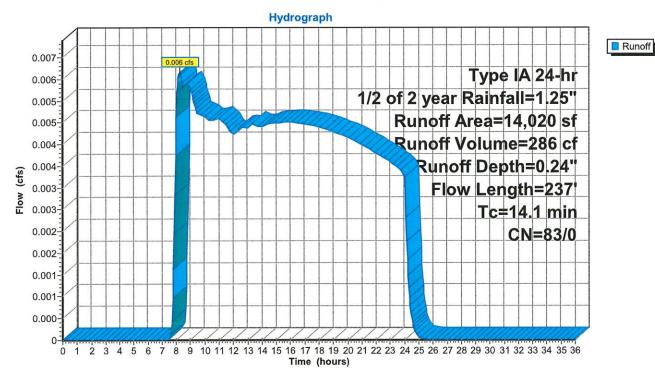
8.26 hrs, Volume=

286 cf, Depth= 0.24"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 1/2 of 2 year Rainfall=1.25"

0.00	Α	rea (sf)	CN	Description		
		14,020	83	Woods, Poo	or, HSG D	
		14,020	83	100.00% Pe	rvious Area	
	Tc (min)	Length (feet)	Slope (ft/ft		Capacity (cfs)	Description
	7.2	60	0.020	0.14		Sheet Flow,
	0.4	40	0.5000	0 1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.020	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
_	14.1	237	Total			

Subcatchment 2S: Forest Pre & Post



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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 15.25% Impervious, Inflow Depth = 0.29" for 1/2 of 2 year event

Inflow =

0.045 cfs @

8.06 hrs, Volume=

1,350 cf

Outflow

0.043 cfs @

8.20 hrs, Volume=

1,350 cf, Atten= 4%, Lag= 8.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.27 fps, Min. Travel Time= 8.4 min Avg. Velocity = 0.20 fps, Avg. Travel Time= 11.6 min

Peak Storage= 22 cf @ 8.20 hrs

Average Depth at Peak Storage= 0.15'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

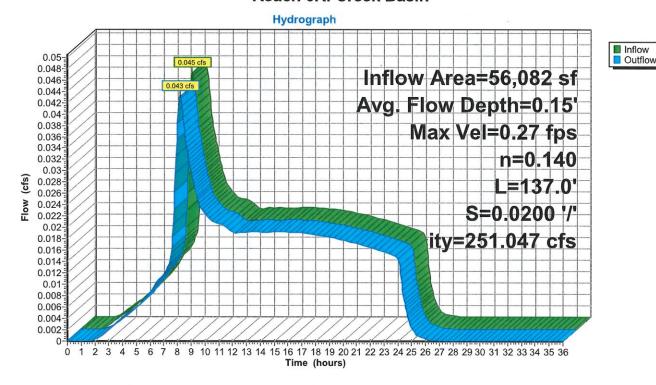
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'



Reach 6R: Creek Basin



Blaine Street Predeveloped 2020-018

Type IA 24-hr 2yr Rainfall=2.50" Printed 10/14/2020 Page 6

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method

Subcatchment 1S: Predevelopment

Runoff Area=42,062 sf 20.34% Impervious Runoff Depth=1.05" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.148 cfs 3,686 cf

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=1.06" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.064 cfs 1,234 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.28' Max Vel=0.40 fps Inflow=0.211 cfs 4,919 cf n=0.140 L=137.0' S=0.0200 '/' Capacity=251.047 cfs Outflow=0.205 cfs 4,919 cf

Summary for Subcatchment 1S: Predevelopment

Runoff

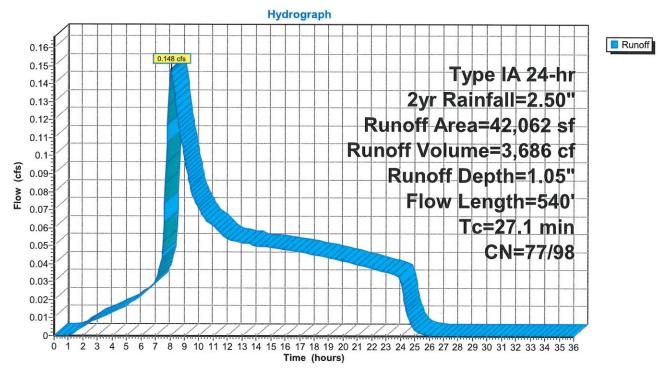
0.148 cfs @ 8.07 hrs, Volume=

3,686 cf, Depth= 1.05"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 2yr Rainfall=2.50"

	Α	rea (sf)	CN E	Description		
*	:	33,508	77 >	75% Grass	cover, Goo	od, HSG C/D
7	•	8,554	98 A	Asphalt/Con	crete/Roofs	, HSG C/D
		42,062	81 V	Veighted Av	/erage	
		33,508		9.66% Perv	0	
		8,554	98 2	0.34% Imp	ervious Area	3
		•				
	Tc	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	•
	19.8	150	0.0100	0.13		Sheet Flow,
						Grass: Short n= 0.150 P2= 2.60"
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,
						Short Grass Pasture Kv= 7.0 fps
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,
						Forest w/Heavy Litter Kv= 2.5 fps
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,
						Forest w/Heavy Litter Kv= 2.5 fps
	27.1	540	Total			

Subcatchment 1S: Predevelopment



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Summary for Subcatchment 2S: Forest Pre & Post

Runoff

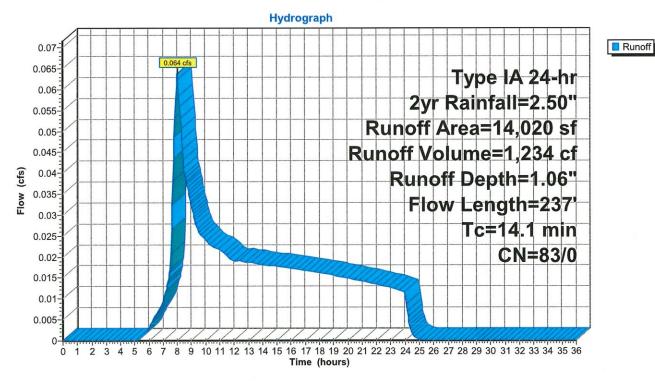
0.064 cfs @ 8.02 hrs, Volume=

1,234 cf, Depth= 1.06"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 2yr Rainfall=2.50"

	Α	rea (sf)	CN	Description		
		14,020	83	Woods, Poo	r, HSG D	
•		14,020	83 100.00% Pervious Area			
2	Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	14 1	237	Total	•	· ·	

Subcatchment 2S: Forest Pre & Post



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Summary for Reach 6R: Creek Basin

Inflow Area = 56,082 sf,

56,082 sf, 15.25% Impervious, Inflow Depth = 1.05" for 2yr event

Inflow =

Outflow

0.211 cfs @ 0.205 cfs @

8.05 hrs, Volume= 8.14 hrs, Volume= 4.919 cf

4,919 cf, Atten= 3%, Lag= 5.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.40 fps, Min. Travel Time= 5.7 min Avg. Velocity = 0.26 fps, Avg. Travel Time= 8.9 min

Peak Storage= 70 cf @ 8.14 hrs

Average Depth at Peak Storage= 0.28'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

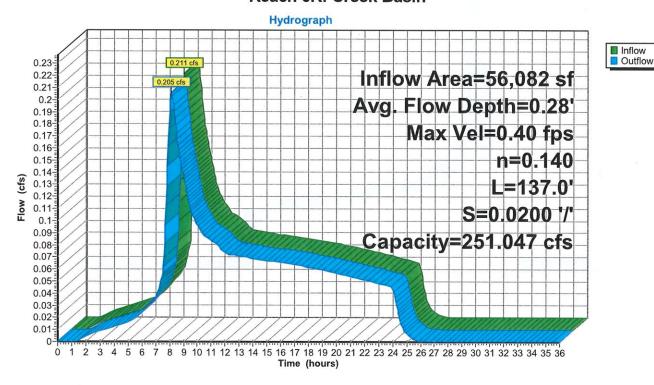
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'



Reach 6R: Creek Basin



Blaine Street Predeveloped 2020-018

Type IA 24-hr 5yr Rainfall=3.00" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method

Subcatchment 1S: Predevelopment

Runoff Area=42,062 sf 20.34% Impervious Runoff Depth=1.42" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.213 cfs 4,964 cf

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=1.45" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.094 cfs 1,690 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.32' Max Vel=0.44 fps Inflow=0.306 cfs 6,654 cf n=0.140 L=137.0' S=0.0200'/ Capacity=251.047 cfs Outflow=0.299 cfs 6,654 cf

Summary for Subcatchment 1S: Predevelopment

Runoff

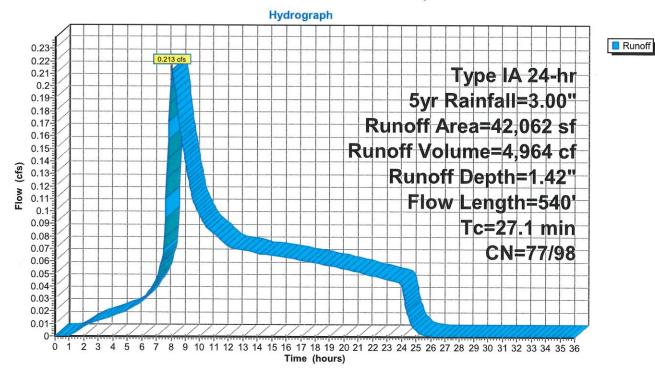
0.213 cfs @ 8.06 hrs, Volume=

4,964 cf. Depth= 1.42"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 5yr Rainfall=3.00"

_	Α	rea (sf)	CN	Description						
*		33,508	77	77 >75% Grass cover, Good, HSG C/D						
*		8,554	98	Asphalt/Con	crete/Roofs	, HSG C/D				
		42,062	81	Weighted A	verage					
		33,508		79.66% Per						
		8,554	98	20.34% Imp	ervious Area	a				
	Tc	Length	Slope	Velocity	Capacity	Description				
·	(min)	(feet)	(ft/ft)		(cfs)	2				
	19.8	150	0.0100	0.13		Sheet Flow,				
						Grass: Short n= 0.150 P2= 2.60"				
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,				
						Short Grass Pasture Kv= 7.0 fps				
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,				
						Forest w/Heavy Litter Kv= 2.5 fps				
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,				
						Forest w/Heavy Litter Kv= 2.5 fps				
	27.1	540	Total							

Subcatchment 1S: Predevelopment



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Summary for Subcatchment 2S: Forest Pre & Post

Runoff

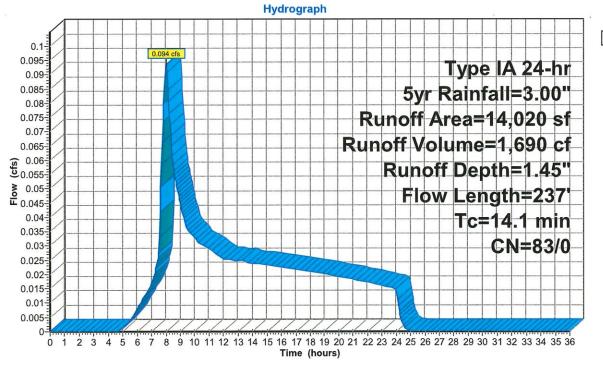
0.094 cfs @ 8.02 hrs, Volume=

1,690 cf, Depth= 1.45"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 5yr Rainfall=3.00"

Α	rea (sf)	CN [Description		The state of the s
	14,020	83 \	Woods, Poo	r, HSG D	9
	14,020	83 ′	100.00% Pe	rvious Area	
 Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description
7.2	60	0.0200	0.14		Sheet Flow,
0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
 14.1	237	Total	·	_	

Subcatchment 2S: Forest Pre & Post





Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 15.25% Impervious, Inflow Depth = 1.42" for 5yr event

Inflow =

0.306 cfs @

8.05 hrs, Volume=

6.654 cf

Outflow =

0.299 cfs @

8.12 hrs, Volume=

6,654 cf, Atten= 2%, Lag= 4.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.44 fps, Min. Travel Time= 5.2 min Avg. Velocity = 0.27 fps, Avg. Travel Time= 8.3 min

Peak Storage= 93 cf @ 8.12 hrs Average Depth at Peak Storage= 0.32'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

 $0.00' \times 4.00'$ deep channel, n= 0.140 Earth, dense brush, high stage

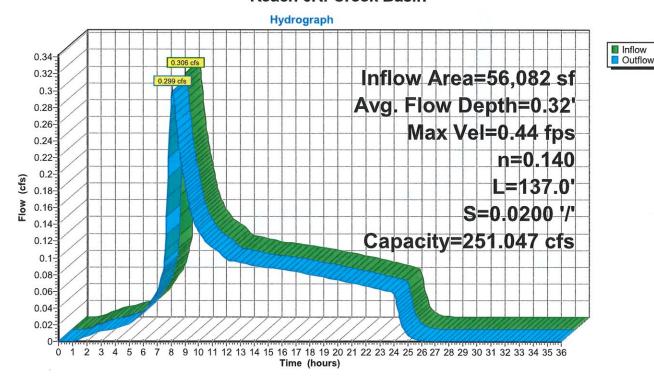
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'



Reach 6R: Creek Basin



Blaine Street Predeveloped 2020-018

Type IA 24-hr 10yr Rainfall=3.50" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: Predevelopment

Runoff Area=42,062 sf 20.34% Impervious Runoff Depth=1.80" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.284 cfs 6,323 cf

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=1.86" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.125 cfs 2,171 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.36' Max Vel=0.47 fps Inflow=0.408 cfs 8,494 cf n=0.140 L=137.0' S=0.0200 '/' Capacity=251.047 cfs Outflow=0.399 cfs 8,494 cf

Summary for Subcatchment 1S: Predevelopment

Runoff

0.284 cfs @ 8.06 hrs, Volume=

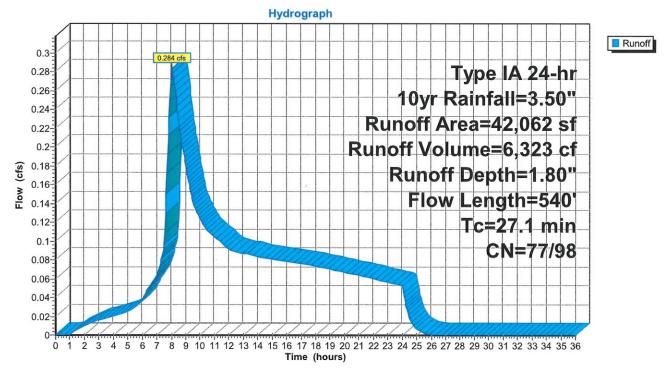
6,323 cf, Depth= 1.80"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 10yr Rainfall=3.50"

	А	rea (sf)	CN [Description					
*		33,508	77 >	>75% Grass cover, Good, HSG C/D					
*		8,554	98 A	Asphalt/Con	crete/Roofs	, HSG C/D			
		42,062	81 \	Veighted Av	verage				
		33,508		79.66% Per	0				
		8,554	98 2	20.34% Imp	ervious Area	a			

	Tc	Length	Slope	Velocity	Capacity	Description			
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	*			
	19.8	150	0.0100	0.13		Sheet Flow,			
						Grass: Short n= 0.150 P2= 2.60"			
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,			
						Short Grass Pasture Kv= 7.0 fps			
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,			
						Forest w/Heavy Litter Kv= 2.5 fps			
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,			
_						Forest w/Heavy Litter Kv= 2.5 fps			
	27.1	540	Total						

Subcatchment 1S: Predevelopment



Printed 10/14/2020

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Summary for Subcatchment 2S: Forest Pre & Post

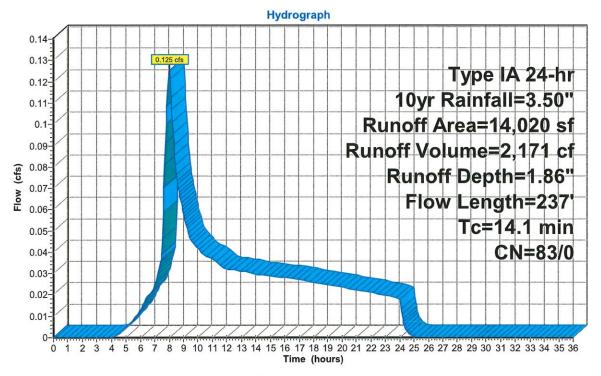
Runoff

0.125 cfs @ 8.01 hrs, Volume=

2,171 cf, Depth= 1.86"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 10yr Rainfall=3.50"

 Α	rea (sf)	CN	Description		
14,020 83 Woods, Poor, HSG D				r, HSG D	
14,020 83			100.00% Pe	rvious Area	
Tc (min)	Length (feet)		•	Capacity (cfs)	Description
7.2	60	0.0200	0.14		Sheet Flow,
0.4	40	0.5000	0 1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
 6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
14 1	237	Total	•		





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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 15.25% Impervious, Inflow Depth = 1.82" for 10yr event

Inflow =

Outflow

0.408 cfs @ 0.399 cfs @

8.04 hrs, Volume=

8.494 cf

8.11 hrs, Volume=

8,494 cf, Atten= 2%, Lag= 4.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.47 fps, Min. Travel Time= 4.8 min Avg. Velocity = 0.29 fps, Avg. Travel Time= 7.9 min

Peak Storage= 116 cf @ 8.11 hrs Average Depth at Peak Storage= 0.36'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

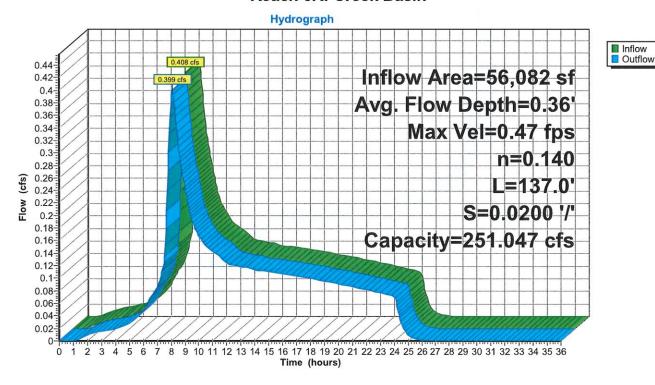
0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'





Blaine Street Predeveloped 2020-018

Type IA 24-hr 25yr Rainfall=4.00" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: Predevelopment

Runoff Area=42,062 sf 20.34% Impervious Runoff Depth=2.21" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.359 cfs 7,743 cf

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=2.29" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.159 cfs 2,671 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.39' Max Vel=0.50 fps Inflow=0.516 cfs 10,414 cf n=0.140 L=137.0' S=0.0200 '/' Capacity=251.047 cfs Outflow=0.506 cfs 10,414 cf

Summary for Subcatchment 1S: Predevelopment

Runoff

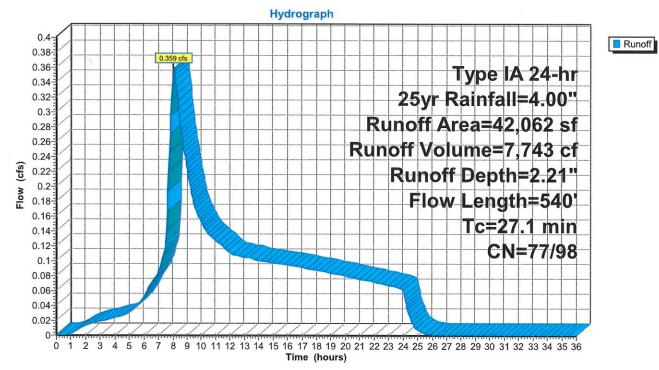
0.359 cfs @ 8.06 hrs, Volume=

7,743 cf, Depth= 2.21"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 25yr Rainfall=4.00"

_	А	rea (sf)	CN [Description					
*		33,508	77 :	77 >75% Grass cover, Good, HSG C/D					
*		8,554	98 /	Asphalt/Concrete/Roofs, HSG C/D					
		42,062	81 \	Weighted A	verage				
		33,508	77	79.66% Per	vious Area				
		8,554	98 2	20.34% Imp	ervious Area	a			
	Тс	Length	Slope	Velocity	Capacity	Description			
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	*			
	19.8	150	0.0100	0.13		Sheet Flow,			
						Grass: Short n= 0.150 P2= 2.60"			
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,			
						Short Grass Pasture Kv= 7.0 fps			
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,			
						Forest w/Heavy Litter Kv= 2.5 fps			
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,			
_						Forest w/Heavy Litter Kv= 2.5 fps			
	27.1	540	Total						

Subcatchment 1S: Predevelopment



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Summary for Subcatchment 2S: Forest Pre & Post

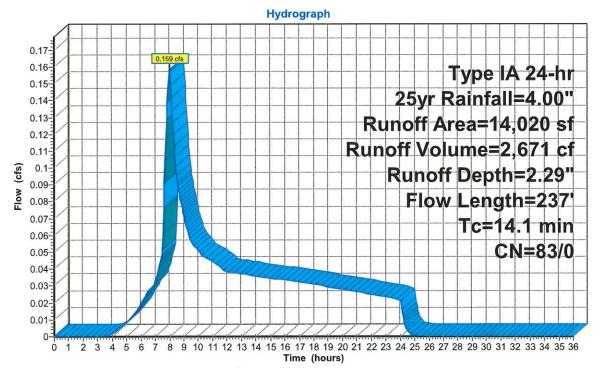
Runoff

0.159 cfs @ 8.01 hrs, Volume=

2,671 cf, Depth= 2.29"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 25yr Rainfall=4.00"

	Α	rea (sf)	CN	Description		
_	14,020 83 Woods, Poor, HSG D					
-	14,020 83 100.00% Pervious Area				rvious Area	
10 <u>1</u>	Tc (min)	Length (feet)		•	Capacity (cfs)	Description
_	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
-	14 1	237	Total	•	·	





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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 15.25% Impervious, Inflow Depth = 2.23" for 25yr event

Inflow =

0.516 cfs @

8.04 hrs, Volume=

10.414 cf

Outflow =

0.516 cfs @

8.10 hrs, Volume=

10,414 cf, Atten= 2%, Lag= 3.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.50 fps, Min. Travel Time= 4.6 min Avg. Velocity = 0.30 fps, Avg. Travel Time= 7.6 min

Peak Storage= 139 cf @ 8.10 hrs Average Depth at Peak Storage= 0.39'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

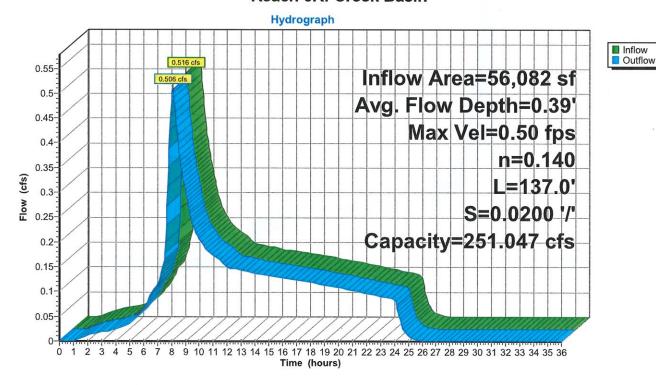
0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'





Blaine Street Predeveloped 2020-018

Type IA 24-hr 50yr Rainfall=4.20" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: Predevelopment

Runoff Area=42,062 sf 20.34% Impervious Runoff Depth=2.38" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.390 cfs 8,326 cf

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=2.46" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.172 cfs 2,875 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.40' Max Vel=0.51 fps Inflow=0.560 cfs 11,201 cf n=0.140 L=137.0' S=0.0200'/' Capacity=251.047 cfs Outflow=0.550 cfs 11,201 cf

Summary for Subcatchment 1S: Predevelopment

Runoff

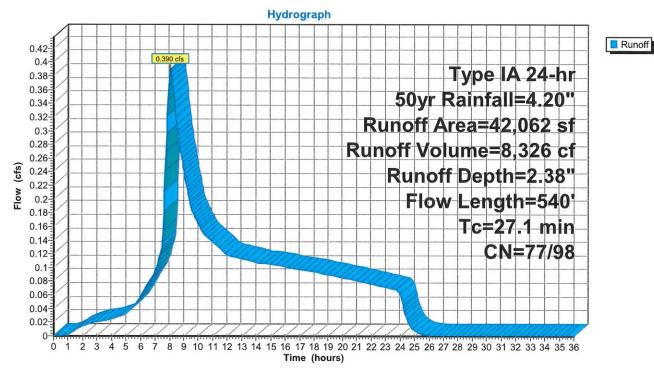
0.390 cfs @ 8.06 hrs, Volume=

8,326 cf, Depth= 2.38"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 50yr Rainfall=4.20"

	Α	rea (sf)	CN I	Description		
*		33,508	77 :	>75% Grass	cover, Goo	od, HSG C/D
*		8,554	98 /	Asphalt/Con	crete/Roofs	, HSG C/D
		42,062	81 \	Weighted Av	verage	
		33,508	77	79.66% Per	vious Area	
		8,554	98 2	20.34% Imp	ervious Area	a
	_		2.	V-50		
	Tc	Length	Slope		Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	19.8	150	0.0100	0.13		Sheet Flow,
						Grass: Short n= 0.150 P2= 2.60"
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,
	12. 2	2.2	roi touroscino.			Short Grass Pasture Kv= 7.0 fps
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,
		000		0.74		Forest w/Heavy Litter Kv= 2.5 fps
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,
-						Forest w/Heavy Litter Kv= 2.5 fps
	27.1	540	Total			

Subcatchment 1S: Predevelopment



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Summary for Subcatchment 2S: Forest Pre & Post

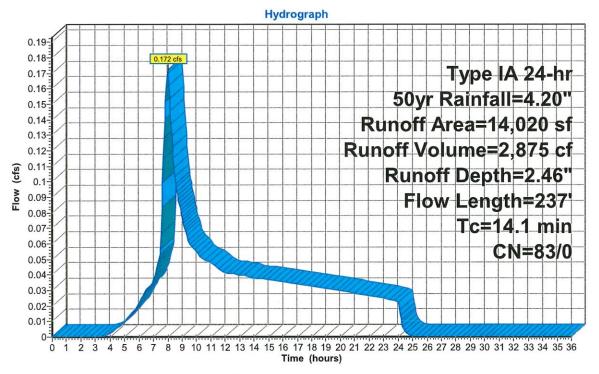
Runoff

0.172 cfs @ 8.01 hrs, Volume=

2,875 cf, Depth= 2.46"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 50yr Rainfall=4.20"

	Α	rea (sf)	CN	Description		
	14,020 83 Woods, Poor, HSG D				r, HSG D	
•	14,020 83 100.00% Pervious Area			100.00% Pe	rvious Area	
	Tc (min)	Length (feet)	Slope (ft/ft)	•	Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	14 1	237	Total	•	•	<u> </u>





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Summary for Reach 6R: Creek Basin

Inflow Area = 56,082 sf, 15.25% Impervious, Inflow Depth = 2.40" for 50yr event

Inflow = 0.560 cfs @ 8.04 hrs, Volume= 11,201 cf

Outflow = 0.550 cfs @ 8.10 hrs, Volume= 11,201 cf, Atten= 2%, Lag= 3.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.51 fps, Min. Travel Time= 4.5 min Avg. Velocity = 0.31 fps, Avg. Travel Time= 7.4 min

Peak Storage= 148 cf @ 8.10 hrs Average Depth at Peak Storage= 0.40'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

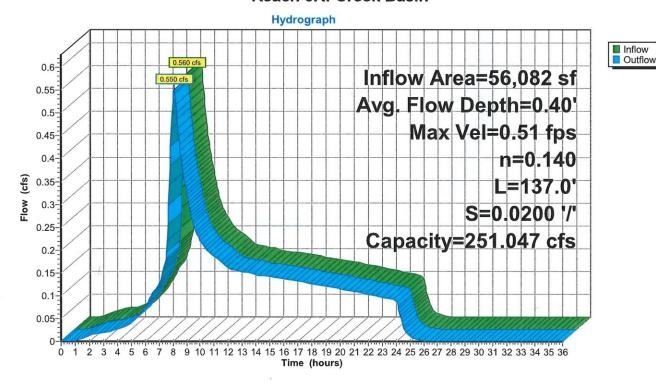
0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'





Blaine Street Predeveloped 2020-018

Type IA 24-hr 100yr Rainfall=4.50" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: Predevelopment

Runoff Area=42,062 sf 20.34% Impervious Runoff Depth=2.63" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.437 cfs 9,212 cf

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=2.73" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.193 cfs 3,184 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.42' Max Vel=0.53 fps Inflow=0.628 cfs 12,397 cf n=0.140 L=137.0' S=0.0200 '/' Capacity=251.047 cfs Outflow=0.617 cfs 12,397 cf

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Summary for Subcatchment 1S: Predevelopment

Runoff

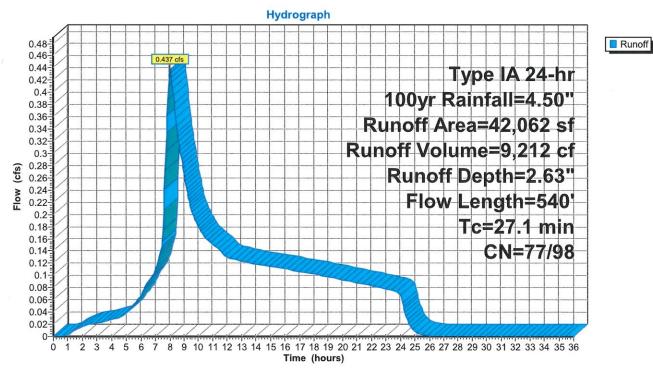
0.437 cfs @ 8.05 hrs, Volume=

9,212 cf, Depth= 2.63"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 100yr Rainfall=4.50"

	Α	rea (sf)	CN I	Description				
*		33,508	77 :	77 >75% Grass cover, Good, HSG C/D				
*		8,554	98	98 Asphalt/Concrete/Roofs, HSG C/D				
8		42,062	81 \	Weighted Av	verage			
		33,508	77	79.66% Per	vious Area			
		8,554	98 2	20.34% Imp	ervious Area	a e e e e e e e e e e e e e e e e e e e		
	Тс	Length	Slope		Capacity	Description		
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)			
	19.8	150	0.0100	0.13		Sheet Flow,		
						Grass: Short n= 0.150 P2= 2.60"		
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,		
						Short Grass Pasture Kv= 7.0 fps		
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,		
						Forest w/Heavy Litter Kv= 2.5 fps		
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,		
_						Forest w/Heavy Litter Kv= 2.5 fps		
	27.1	540	Total			*		

Subcatchment 1S: Predevelopment



Blaine Street Predeveloped 2020-018

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Runoff

Summary for Subcatchment 2S: Forest Pre & Post

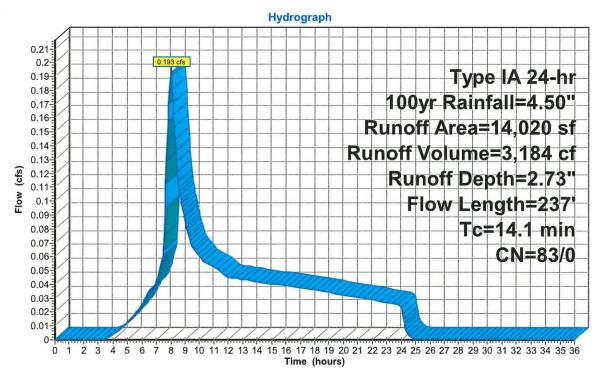
Runoff

0.193 cfs @ 8.01 hrs, Volume=

3,184 cf, Depth= 2.73"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 100yr Rainfall=4.50"

	Aı	rea (sf)) CN	Description			
		14,020	0 83	Woods, Poo	or, HSG D		
14,020 83 100.00% Pervious Area					rvious Area		
·	Tc (min)	Length (feet)		•	Capacity (cfs)	Description	
	7.2	60	0.0200	0.14		Sheet Flow,	
	0.4	40	10 0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps	
	6.5	137	37 0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps	(4)
	14 1	237	R7 Total	•			



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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 15.25% Impervious, Inflow Depth = 2.65" for 100yr event

Inflow =

0.628 cfs @

8.04 hrs, Volume=

12,397 cf

Outflow =

0.617 cfs @

8.09 hrs, Volume=

12,397 cf, Atten= 2%, Lag= 3.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.53 fps, Min. Travel Time= 4.3 min Avg. Velocity = 0.31 fps, Avg. Travel Time= 7.3 min

Peak Storage= 161 cf @ 8.09 hrs Average Depth at Peak Storage= 0.42'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

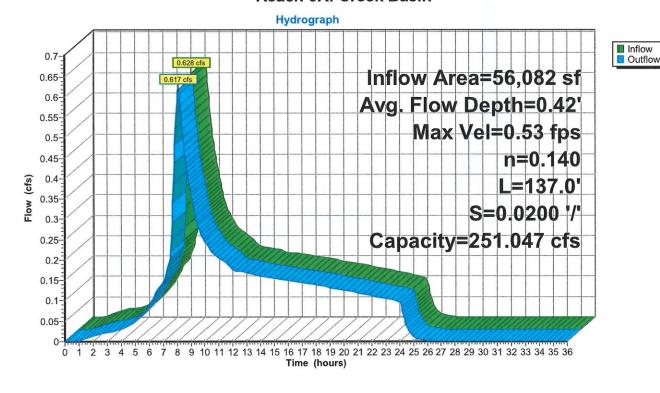
 $0.00' \times 4.00'$ deep channel, n= 0.140 Earth, dense brush, high stage

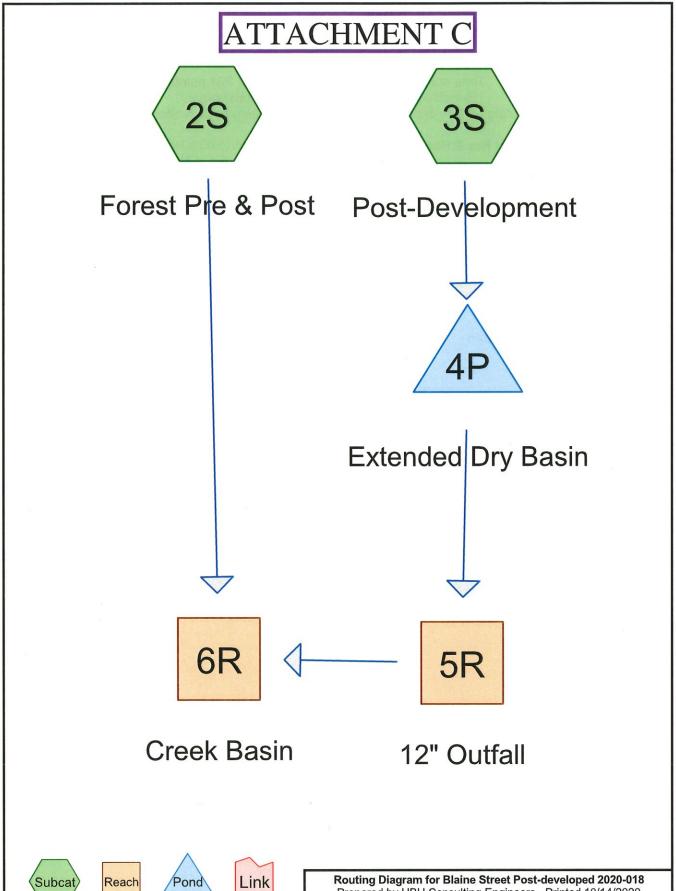
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'















Blaine Street Post-developed 2020-018

Type IA 24-hr 1/2 of 2 year Rainfall=1.25" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points Runoff by SBUH method, Split Pervious/Imperv. Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=0.24"

Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.006 cfs 286 cf

Subcatchment 3S: Post-Development

Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=0.67" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.117 cfs 2,361 cf

Reach 5R: 12" Outfall

Avg. Flow Depth=0.03' Max Vel=4.48 fps Inflow=0.026 cfs 1,639 cf

12.0" Round Pipe n=0.012 L=86.6' S=0.2740 '/' Capacity=20.204 cfs Outflow=0.026 cfs 1,638 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.13' Max Vel=0.25 fps Inflow=0.031 cfs 1.924 cf

n=0.140 L=137.0' S=0.0200'/' Capacity=251.047 cfs Outflow=0.031 cfs 1,917 cf

Pond 4P: Extended Dry Basin

Peak Elev=161.18' Storage=1,219 cf Inflow=0.117 cfs 2,361 cf

Outflow=0.026 cfs 1,639 cf

Summary for Subcatchment 2S: Forest Pre & Post

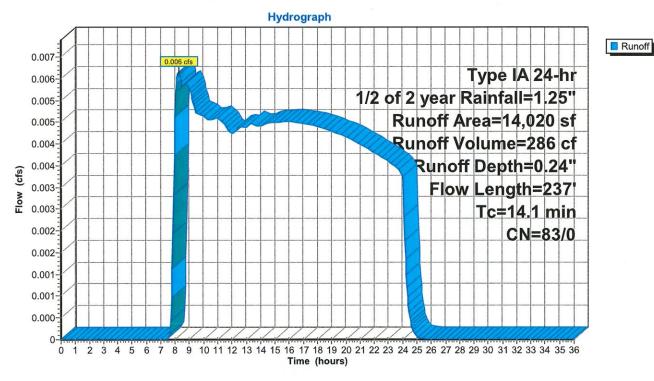
Runoff

0.006 cfs @ 8.26 hrs, Volume=

286 cf, Depth= 0.24"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 1/2 of 2 year Rainfall=1.25"

	Α	rea (sf)	CN I	Description		
	14,020 83 Woods, Poor, HSG D				r, HSG D	
		14,020	83 100.00% Pervious Area			
10000	Tc (min)	Length (feet)	Slope (ft/ft)	•	Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	14.1	237	Total	·	·	



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Summary for Subcatchment 3S: Post-Development

Runoff

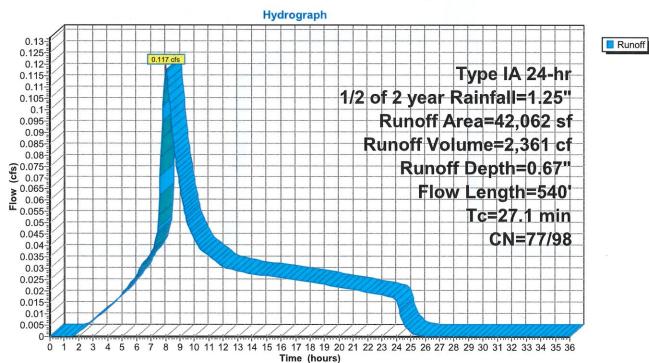
0.117 cfs @ 8.04 hrs, Volume=

2,361 cf, Depth= 0.67"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 1/2 of 2 year Rainfall=1.25"

	Α	rea (sf)	CN [Description			
*		16,543	77 >	>75% Grass cover, Good, HSG C/D			
*		25,519	98 <i>A</i>	Asphalt/Con	crete/Roofs	, HSG C/D	
		42,062	90 V	Weighted Av	/erage		
		16,543	77 3	39.33% Perv	vious Area		
		25,519	98 6	60.67% Imp	ervious Area	a	
	95.00	3 58	1210				
	Tc	Length	Slope		Capacity	Description	
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)		
	19.8	150	0.0100	0.13		Sheet Flow,	
						Grass: Short n= 0.150 P2= 2.60"	
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,	
						Short Grass Pasture Kv= 7.0 fps	
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,	
						Forest w/Heavy Litter Kv= 2.5 fps	
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,	
_						Forest w/Heavy Litter Kv= 2.5 fps	
	27.1	540	Total				

Subcatchment 3S: Post-Development



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Summary for Reach 5R: 12" Outfall

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth > 0.47" for 1/2 of 2 year event

Inflow =

0.026 cfs @ 16.09 hrs, Volume=

1,639 cf

Outflow =

0.026 cfs @ 16.10 hrs, Volume=

1,638 cf, Atten= 0%, Lag= 0.2 min

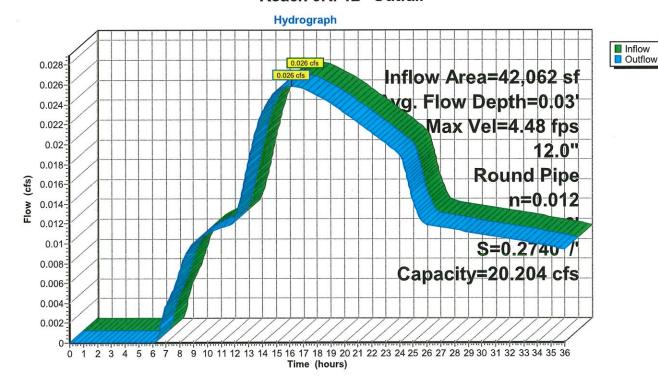
Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Max. Velocity= 4.48 fps, Min. Travel Time= 0.3 min Avg. Velocity = 3.77 fps, Avg. Travel Time= 0.4 min

Peak Storage= 0 cf @ 16.10 hrs Average Depth at Peak Storage= 0.03' Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 20.204 cfs

12.0" Round Pipe n= 0.012 Length= 86.6' Slope= 0.2740 '/' Inlet Invert= 159.23', Outlet Invert= 135.50'



Reach 5R: 12" Outfall



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Summary for Reach 6R: Creek Basin

Inflow Area = 56,082 sf, 45.50% Impervious, Inflow Depth > 0.41" for 1/2 of 2 year event

Inflow = 0.031 cfs @ 16.08 hrs, Volume= 1,924 cf

Outflow = 0.031 cfs @ 16.20 hrs, Volume= 1,917 cf, Atten= 0%, Lag= 7.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.25 fps, Min. Travel Time= 9.1 min Avg. Velocity = 0.22 fps, Avg. Travel Time= 10.6 min

Peak Storage= 17 cf @ 16.20 hrs Average Depth at Peak Storage= 0.13'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

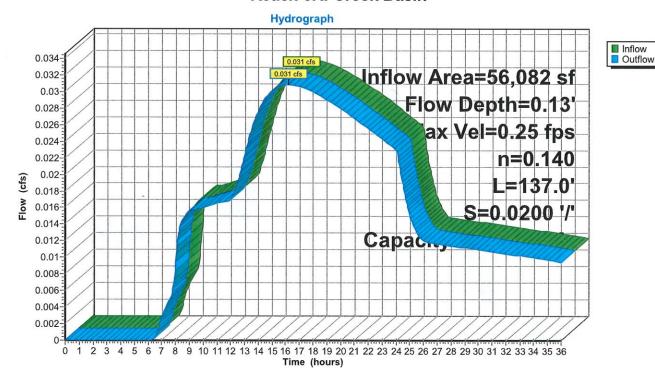
0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'





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Summary for Pond 4P: Extended Dry Basin

Inflow Area = 42,062 sf, 60.67% Impervious, Inflow Depth = 0.67" for 1/2 of 2 year event

Inflow = 0.117 cfs @ 8.04 hrs, Volume= 2,361 cf

Outflow = 0.026 cfs @ 16.09 hrs, Volume= 1,639 cf, Atten= 78%, Lag= 483.3 min

Primary = 0.026 cfs @ 16.09 hrs, Volume= 1,639 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.18' @ 16.09 hrs Surf.Area= 1,434 sf Storage= 1,219 cf

Plug-Flow detention time= 674.3 min calculated for 1,636 cf (69% of inflow)

Center-of-Mass det. time= 487.4 min (1,233.8 - 746.4)

Volume	lnv	ert Avail.St	orage Storage	Description	
#1	159.	83' 6,3	315 cf Custon	Stage Data (Prismatic) Li	sted below (Recalc)
Elevatio		Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	
159.8	3	391	0	0	
160.8	3	1,142	767	767	
161.8	3	1,972	1,557	2,324	
162.8	3	2,884	2,428	4,752	
163.3	3	3,370	1,564	6,315	
<u>Device</u>	Routing	Invert	Outlet Device	s	
#1	Primary	160.23'	0.7" Vert. W	Q Orifice C= 0.600	
#2	Primary	161.10'	3.0" Vert. 1/2	of 2 Year Orifice C= 0.6	00
#3	Primary	161.18'	2.3" Vert. 2-1	'r Orifice C= 0.600	
#4	Primary	161.42'	1.5" Vert. 5-1	'R Orifice C= 0.600	
#5	Primary	161.83		Horiz. 50-Yr Overflow C ir flow at low heads	= 0.600

3.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)

Primary OutFlow Max=0.026 cfs @ 16.09 hrs HW=161.18' TW=159.26' (Dynamic Tailwater)

0.5' Crest Height

-1=WQ Orifice (Orifice Controls 0.012 cfs @ 4.62 fps)

162.83'

-2=1/2 of 2 Year Orifice (Orifice Controls 0.013 cfs @ 0.97 fps)

-3=2-Yr Orifice (Orifice Controls 0.000 cfs @ 0.13 fps)

-4=5-YR Orifice (Controls 0.000 cfs)

#6

Primary

-5=50-Yr Overflow (Controls 0.000 cfs)

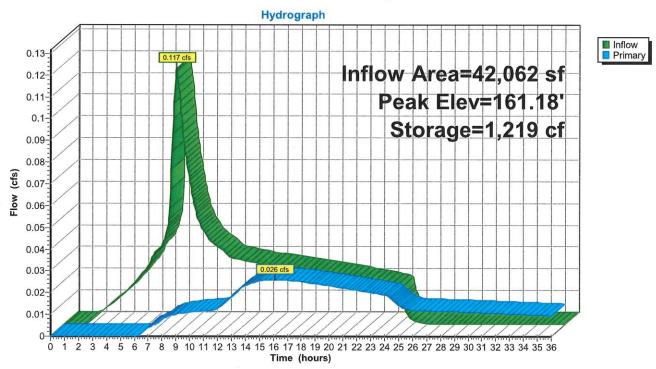
-6=Sharp-Crested Rectangular Weir (Controls 0.000 cfs)

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Pond 4P: Extended Dry Basin



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Type IA 24-hr 2yr Rainfall=2.50" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=1.06"

Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.064 cfs 1,234 cf

Subcatchment 3S: Post-Development Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=1.67" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.285 cfs 5,850 cf

Reach 5R: 12" OutfallAvg. Flow Depth=0.06' Max Vel=7.86 fps Inflow=0.170 cfs 5,092 cf
12.0" Round Pipe n=0.012 L=86.6' S=0.2740 '/' Capacity=20.204 cfs Outflow=0.170 cfs 5,092 cf

Reach 6R: Creek BasinAvg. Flow Depth=0.28' Max Vel=0.40 fps Inflow=0.204 cfs 6,326 cf n=0.140 L=137.0' S=0.0200 '/' Capacity=251.047 cfs Outflow=0.204 cfs 6,319 cf

Pond 4P: Extended Dry Basin

Peak Elev=161.42' Storage=1,581 cf Inflow=0.285 cfs 5,850 cf

Outflow=0.170 cfs 5,092 cf

Summary for Subcatchment 2S: Forest Pre & Post

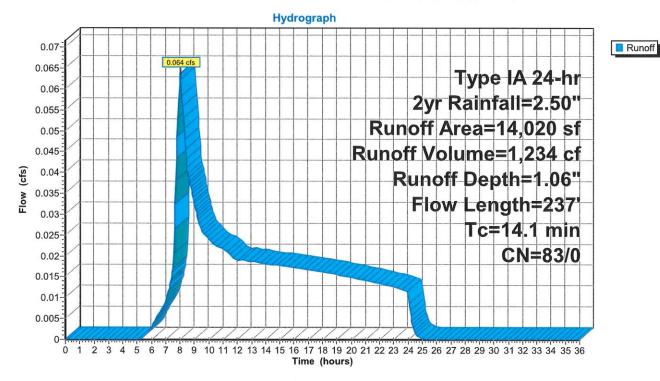
Runoff

0.064 cfs @ 8.02 hrs, Volume=

1,234 cf, Depth= 1.06"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 2yr Rainfall=2.50"

22	Α	rea (sf)	CN	Description		
	14,020 83 Woods, Poor, HSG D					
		14,020	83	100.00% Pe	rvious Area	
	Tc (min)	Length (feet)			Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
-	6.5	137	7 0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	14 1	237	7 Total			



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Summary for Subcatchment 3S: Post-Development

Runoff

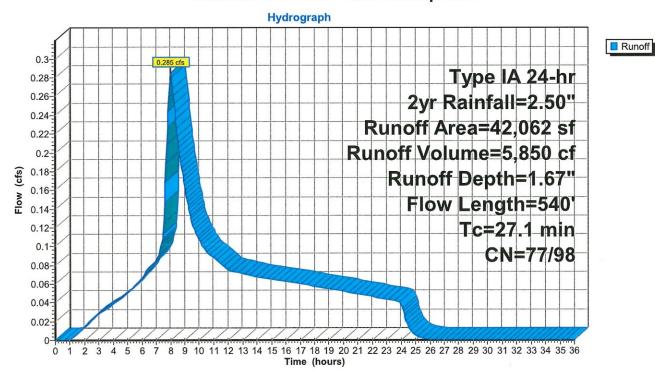
0.285 cfs @ 8.04 hrs, Volume=

5,850 cf, Depth= 1.67"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 2yr Rainfall=2.50"

	Д	rea (sf)	CN	Description				
*		16,543	77 :	77 >75% Grass cover, Good, HSG C/D				
*		25,519	98	98 Asphalt/Concrete/Roofs, HSG C/D				
		42,062	90	Weighted A				
		16,543	77 :	39.33% Per	vious Area			
		25,519	98	60.67% lmp	ervious Area	a		
					_			
	Тс	Length	Slope		Capacity	Description		
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)			
	19.8	150	0.0100	0.13		Sheet Flow,		
						Grass: Short n= 0.150 P2= 2.60"		
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,		
						Short Grass Pasture Kv= 7.0 fps		
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,		
						Forest w/Heavy Litter Kv= 2.5 fps		
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,		
_						Forest w/Heavy Litter Kv= 2.5 fps		
	27.1	540	Total					

Subcatchment 3S: Post-Development



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Summary for Reach 5R: 12" Outfall

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth > 1.45" for 2yr event

Inflow =

0.170 cfs @

8.94 hrs, Volume=

5,092 cf

Outflow

0.170 cfs @

8.94 hrs, Volume=

5,092 cf, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 7.86 fps, Min. Travel Time= 0.2 min Avg. Velocity = 4.79 fps, Avg. Travel Time= 0.3 min

Peak Storage= 2 cf @ 8.94 hrs Average Depth at Peak Storage= 0.06'

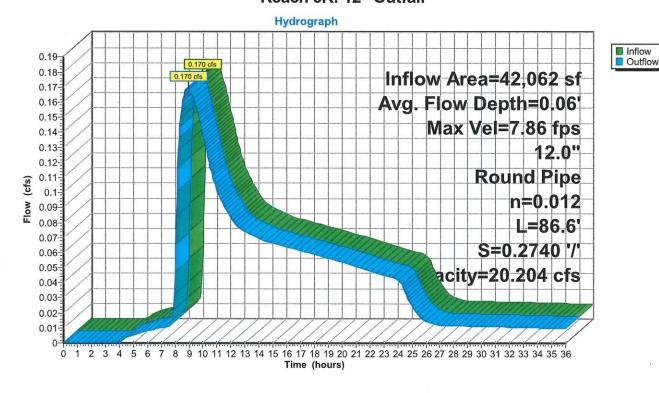
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 20.204 cfs

12.0" Round Pipe n= 0.012 Length= 86.6' Slope= 0.2740 '/'

Inlet Invert= 159.23', Outlet Invert= 135.50'



Reach 5R: 12" Outfall



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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 45.50% Impervious, Inflow Depth > 1.35" for 2yr event

Inflow =

0.204 cfs @ 8.80 hrs, Volume=

6,326 cf

Outflow =

0.204 cfs @ 8

8.88 hrs, Volume=

6.319 cf. Atten= 0%, Lag= 4.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.40 fps, Min. Travel Time= 5.7 min Avg. Velocity = 0.26 fps, Avg. Travel Time= 8.6 min

Peak Storage= 70 cf @ 8.88 hrs Average Depth at Peak Storage= 0.28'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

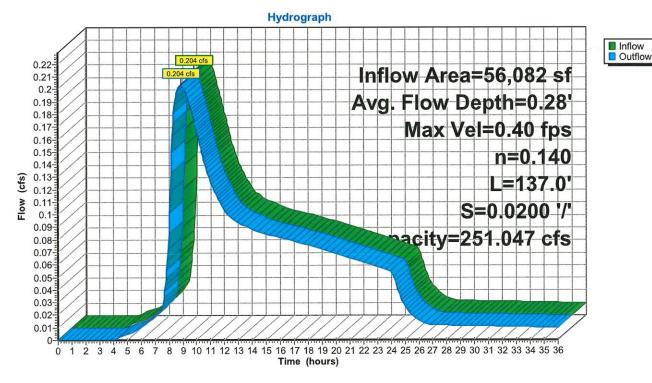
0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'





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Summary for Pond 4P: Extended Dry Basin

Inflow Area = 42,062 sf, 60.67% Impervious, Inflow Depth = 1.67" for 2yr event

Inflow = 0.285 cfs @ 8.04 hrs, Volume= 5,850 cf

Outflow = 0.170 cfs @ 8.94 hrs, Volume= 5,092 cf, Atten= 40%, Lag= 54.0 min

Primary = 0.170 cfs @ 8.94 hrs, Volume= 5,092 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.42' @ 8.94 hrs Surf.Area= 1.630 sf Storage= 1.581 cf

Plug-Flow detention time= 300.7 min calculated for 5,085 cf (87% of inflow)

Center-of-Mass det. time= 213.5 min (944.8 - 731.3)

Volume	lnv	ert Avail.Sto	rage Storage	e Description			
#1	159.	83' 6,3 [.]	15 cf Custon	m Stage Data (Prismatic) Listed below (Recalc)			
Elevation		Surf.Area	Inc.Store	Cum.Store			
(fee		(sq-ft)	(cubic-feet)	(cubic-feet)			
159.8		391	0	0			
160.8	33	1,142	767	767			
161.8	33	1,972	1,557	2,324			
162.8	33	2,884	2,428	4,752			
163.3	33	3,370	1,564	6,315			
Device Routing		Invert	Outlet Device	es			
#1	Primary	160.23'	0.7" Vert. W	Q Orifice C= 0.600			
#2	Primary	161,10'	3.0" Vert. 1/2 of 2 Year Orifice C= 0.600				
#3	Primary	161.18'	2.3" Vert. 2-Yr Orifice C= 0.600				
#4	Primary	161.42'	1.5" Vert. 5-YR Orifice C= 0.600				
#5	Primary	161.83'	24.0" x 24.0" Horiz. 50-Yr Overflow C= 0.600 Limited to weir flow at low heads				
#6	Primary	162.83'		arp-Crested Rectangular Weir 2 End Contraction(s)			

Primary OutFlow Max=0.170 cfs @ 8.94 hrs HW=161.42' TW=159.29' (Dynamic Tailwater)

1=WQ Orifice (Orifice Controls 0.014 cfs @ 5.18 fps)

-2=1/2 of 2 Year Orifice (Orifice Controls 0.104 cfs @ 2.11 fps)

-3=2-Yr Orifice (Orifice Controls 0.052 cfs @ 1.81 fps)

-4=5-YR Orifice (Controls 0.000 cfs)

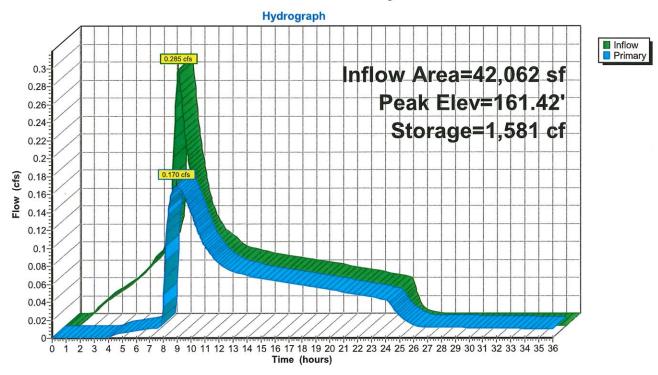
-5=50-Yr Overflow (Controls 0.000 cfs)

-6=Sharp-Crested Rectangular Weir (Controls 0.000 cfs)

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Pond 4P: Extended Dry Basin



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Type IA 24-hr 5yr Rainfall=3.00" Printed 10/14/2020 Page 16

Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=1.45" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.094 cfs 1,690 cf

Subcatchment 3S: Post-Development Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=2.10" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.362 cfs 7,363 cf

Reach 5R: 12" OutfallAvg. Flow Depth=0.08' Max Vel=8.65 fps Inflow=0.233 cfs 6,600 cf 12.0" Round Pipe n=0.012 L=86.6' S=0.2740 '/' Capacity=20.204 cfs Outflow=0.233 cfs 6,600 cf

Reach 6R: Creek Basin

Avg. Flow Depth=0.31' Max Vel=0.43 fps Inflow=0.285 cfs 8,290 cf n=0.140 L=137.0' S=0.0200 '/' Capacity=251.047 cfs Outflow=0.285 cfs 8,283 cf

Pond 4P: Extended Dry Basin

Peak Elev=161.54' Storage=1,788 cf Inflow=0.362 cfs 7,363 cf

Outflow=0.233 cfs 6,600 cf

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Summary for Subcatchment 2S: Forest Pre & Post

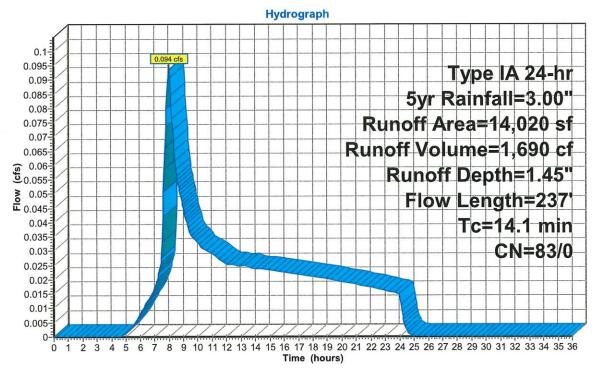
Runoff

0.094 cfs @ 8.02 hrs, Volume=

1,690 cf, Depth= 1.45"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 5yr Rainfall=3.00"

	Α	rea (sf)	CN E	Description		
170	14,020 83 Woods, Poor, HSG D				r, HSG D	
		14,020	83 100.00% Pervious Area			
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
-	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
8	14.1	237	Total			





Summary for Subcatchment 3S: Post-Development

Runoff

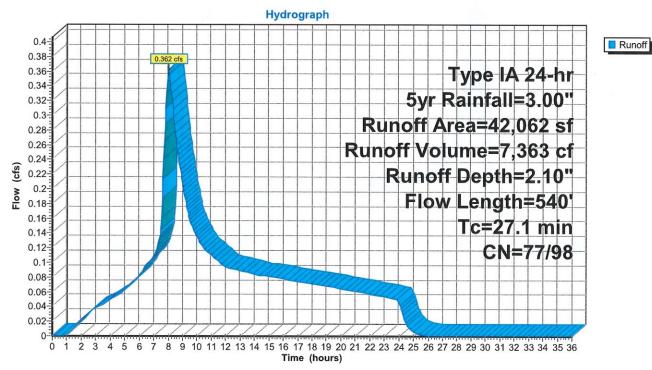
0.362 cfs @ 8.04 hrs, Volume=

7,363 cf, Depth= 2.10"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 5yr Rainfall=3.00"

	Α	rea (sf)	CN	Description			
*		16,543	77 :	77 >75% Grass cover, Good, HSG C/D			
*		25,519	98				
		42,062	2 90 Weighted Average				
		16,543		39.33% Per			
		25,519	98	60.67% Imp	ervious Area	a	
	Tc	Length	Slope	Velocity	Capacity	Description	
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	·	
	19.8	150	0.0100	0.13		Sheet Flow,	
						Grass: Short n= 0.150 P2= 2.60"	
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,	
						Short Grass Pasture Kv= 7.0 fps	
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,	
						Forest w/Heavy Litter Kv= 2.5 fps	
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,	
_						Forest w/Heavy Litter Kv= 2.5 fps	
	27.1	540	Total				

Subcatchment 3S: Post-Development



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Summary for Reach 5R: 12" Outfall

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth > 1.88" for 5yr event

Inflow =

0.233 cfs @

8.80 hrs, Volume=

6.600 cf

Outflow

0.233 cfs @

8.80 hrs, Volume=

6,600 cf, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 8.65 fps, Min. Travel Time= 0.2 min Avg. Velocity = 5.06 fps, Avg. Travel Time= 0.3 min

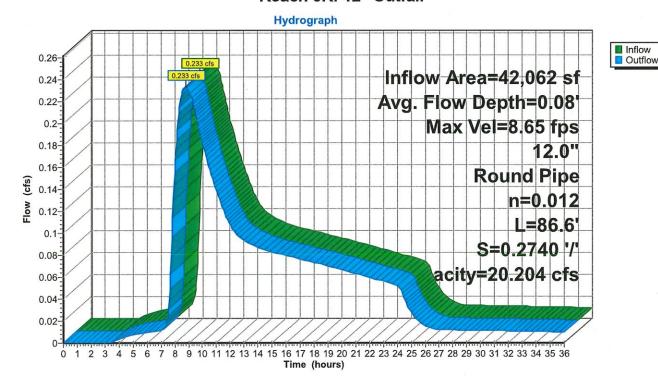
Peak Storage= 2 cf @ 8.80 hrs Average Depth at Peak Storage= 0.08'

Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 20.204 cfs

12.0" Round Pipe n= 0.012 Length= 86.6' Slope= 0.2740 '/' Inlet Invert= 159.23', Outlet Invert= 135.50'



Reach 5R: 12" Outfall



Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 45.50% Impervious, Inflow Depth > 1.77" for 5yr event

Inflow =

0.285 cfs @ 8.62 hrs, Volume=

8,290 cf

Outflow =

0.285 cfs @

8.68 hrs. Volume=

8,283 cf, Atten= 0%, Lag= 3.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.43 fps, Min. Travel Time= 5.3 min Avg. Velocity = 0.28 fps, Avg. Travel Time= 8.3 min

Peak Storage= 90 cf @ 8.68 hrs

Average Depth at Peak Storage= 0.31'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

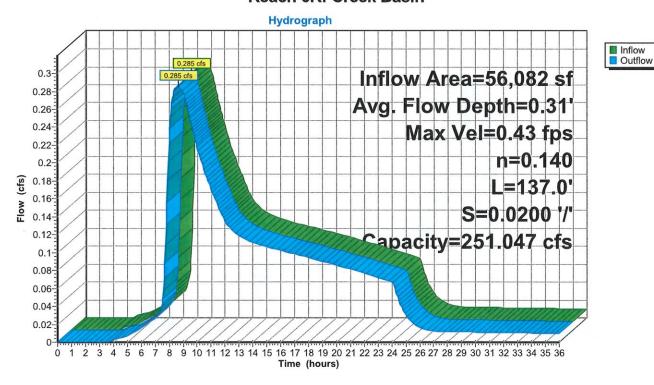
0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'





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Summary for Pond 4P: Extended Dry Basin

Inflow Area = 42,062 sf, 60.67% Impervious, Inflow Depth = 2.10" for 5yr event

Inflow = 0.362 cfs @ 8.04 hrs, Volume= 7,363 cf

Outflow = 0.233 cfs @ 8.80 hrs, Volume= 6,600 cf, Atten= 36%, Lag= 45.1 min

Primary = 0.233 cfs @ 8.80 hrs, Volume= 6,600 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.54' @ 8.80 hrs Surf.Area= 1,732 sf Storage= 1,788 cf

Plug-Flow detention time= 250.3 min calculated for 6,591 cf (90% of inflow)

Center-of-Mass det. time= 179.3 min (906.3 - 727.0)

<u>Volume</u>	lnv	<u>ert Avail.Sto</u>	rage Storage	<u> Description</u>	
#1	159.	83' 6,3	15 cf Custon	n Stage Data (Pri	smatic) Listed below (Recalc)
Elevation	on	Surf.Area	Inc.Store	Cum.Store	
(feet) (s		(sq-ft)	(cubic-feet)	(cubic-feet)	
159.83 39		391	0	0	
160.83		1,142	767	767	
•		1,972	1,557	2,324	
162.83		2,884	2,428	· · · · · · · · · · · · · · · · · · ·	
163.3	33	3,370	1,564	6,315	
Device	Routing	Invert	Outlet Device	es	
#1	Primary	160.23'	0.7" Vert. W	Q Orifice C= 0.6	500
#2	Primary	161.10'	3.0" Vert. 1/2	2 of 2 Year Orifice	e C= 0.600
#3	Primary	161.18'	2.3" Vert. 2-\	Yr Orifice C= 0.	600
#4	Primary	161.42'	1.5" Vert. 5-\	YR Orifice C= 0	.600
#5	Primary	161.83'	24.0" x 24.0"	' Horiz. 50-Yr Ove	erflow C= 0.600
	-		Limited to we	eir flow at low hea	ds
#6	#6 Primary 162.83'		3.0' long Sha 0.5' Crest He	-	angular Weir 2 End Contraction(s)

Primary OutFlow Max=0.233 cfs @ 8.80 hrs HW=161.54' TW=159.31' (Dynamic Tailwater)

-1=WQ Orifice (Orifice Controls 0.015 cfs @ 5.45 fps)

-2=1/2 of 2 Year Orifice (Orifice Controls 0.133 cfs @ 2.71 fps)

-3=2-Yr Orifice (Orifice Controls 0.072 cfs @ 2.48 fps)

-4=5-YR Orifice (Orifice Controls 0.014 cfs @ 1.18 fps)

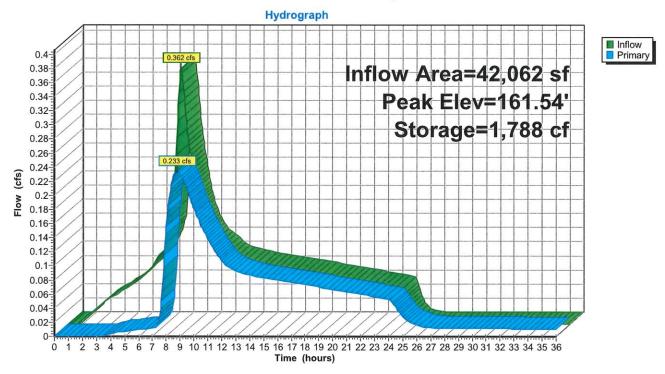
-5=50-Yr Overflow (Controls 0.000 cfs)

-6=Sharp-Crested Rectangular Weir (Controls 0.000 cfs)

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Pond 4P: Extended Dry Basin



Type IA 24-hr 10yr Rainfall=3.50" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=1.86"
Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.125 cfs 2,171 cf

Subcatchment 3S: Post-Development Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=2.54" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.442 cfs 8,918 cf

Reach 5R: 12" Outfall

Avg. Flow Depth=0.08' Max Vel=9.15 fps Inflow=0.282 cfs 8,151 cf
12.0" Round Pipe n=0.012 L=86.6' S=0.2740 '/' Capacity=20.204 cfs Outflow=0.282 cfs 8,151 cf

Reach 6R: Creek BasinAvg. Flow Depth=0.34' Max Vel=0.46 fps Inflow=0.356 cfs 10,322 cf n=0.140 L=137.0' S=0.0200 '/' Capacity=251.047 cfs Outflow=0.355 cfs 10,315 cf

Pond 4P: Extended Dry Basin

Peak Elev=161.66' Storage=1,998 cf Inflow=0.442 cfs 8,918 cf

Outflow=0.282 cfs 8,151 cf

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Summary for Subcatchment 2S: Forest Pre & Post

Runoff

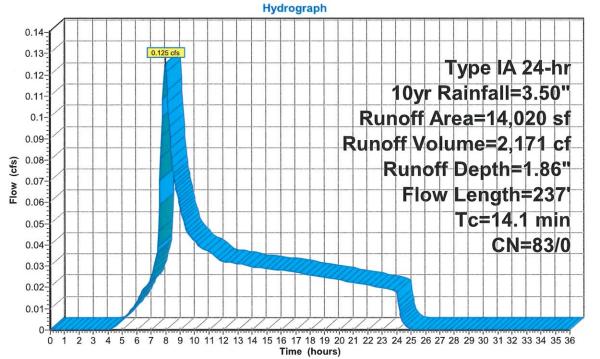
0.125 cfs @ 8.01 hrs, Volume=

2,171 cf, Depth= 1.86"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 10yr Rainfall=3.50"

	Α	rea (sf)	CN I	Description		
9.5		14,020	83 \	Woods, Poo	r, HSG D	
-		14,020	83	100.00% Pe	rvious Area	
	Tc (min)	Length (feet)	Slope (ft/ft)	•	Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35	T.	Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
- 35	14.1	237	Total			

Subcatchment 2S: Forest Pre & Post





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Summary for Subcatchment 3S: Post-Development

Runoff

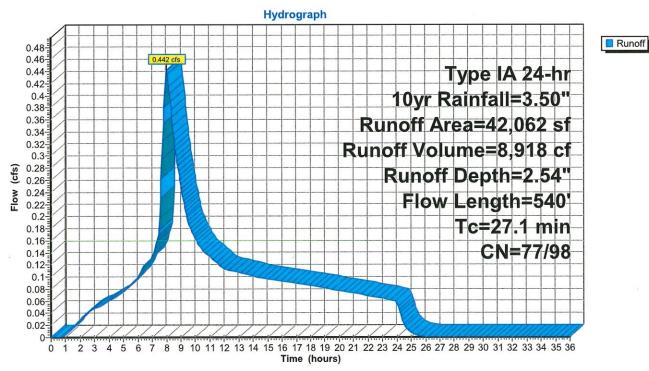
0.442 cfs @ 8.04 hrs, Volume=

8,918 cf, Depth= 2.54"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 10yr Rainfall=3.50"

	Α	rea (sf)	CN [Description	5					
*		16,543	77 >	77 >75% Grass cover, Good, HSG C/D						
*		25,519	98 A	98 Asphalt/Concrete/Roofs, HSG C/D						
200		42,062	90 \	Weighted Av	/erage					
		16,543	77 3	39.33% Perv	vious Area					
		25,519	98 6	60.67% Imp	ervious Area	a				
	Тс	Length	Slope		Capacity	Description				
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
	19.8	150	0.0100	0.13		Sheet Flow,				
						Grass: Short n= 0.150 P2= 2.60"				
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,				
						Short Grass Pasture Kv= 7.0 fps				
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,				
						Forest w/Heavy Litter Kv= 2.5 fps				
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,				
_						Forest w/Heavy Litter Kv= 2.5 fps				
	27.1	540	Total							

Subcatchment 3S: Post-Development



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Summary for Reach 5R: 12" Outfall

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth > 2.33" for 10yr event

Inflow

0.282 cfs @ 8.81 hrs, Volume=

8,151 cf

Outflow

0.282 cfs @ 8.81 hrs, Volume=

8,151 cf, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 9.15 fps, Min. Travel Time= 0.2 min Avg. Velocity = 5.31 fps, Avg. Travel Time= 0.3 min

Peak Storage= 3 cf @ 8.81 hrs

Average Depth at Peak Storage= 0.08'

Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 20.204 cfs

12.0" Round Pipe

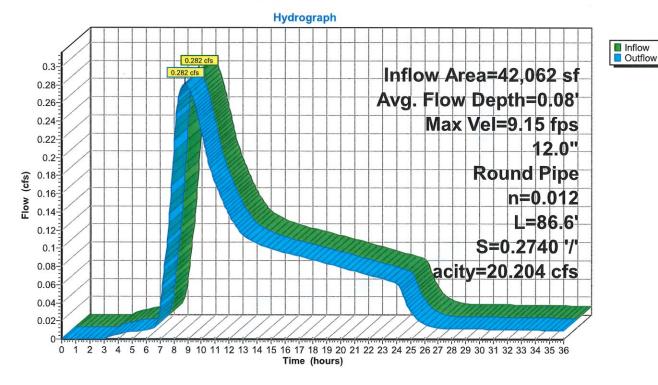
n = 0.012

Length= 86.6' Slope= 0.2740 '/'

Inlet Invert= 159.23', Outlet Invert= 135.50'



Reach 5R: 12" Outfall



Inflow
Outflow

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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 45.50% Impervious, Inflow Depth > 2.21" for 10yr event

Inflow =

0.356 cfs @

8.29 hrs, Volume=

10,322 cf

Outflow =

0.355 cfs @

8.37 hrs, Volume=

10,315 cf, Atten= 0%, Lag= 4.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.46 fps, Min. Travel Time= 5.0 min Avg. Velocity = 0.29 fps, Avg. Travel Time= 7.9 min

Peak Storage= 106 cf @ 8.37 hrs Average Depth at Peak Storage= 0.34'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

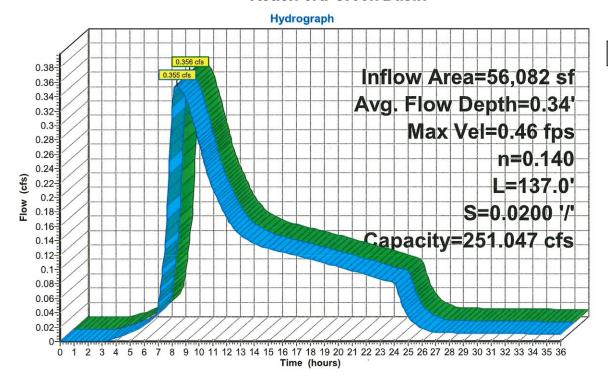
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'



Reach 6R: Creek Basin



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Summary for Pond 4P: Extended Dry Basin

42,062 sf, 60.67% Impervious, Inflow Depth = 2.54" for 10vr event Inflow Area =

Inflow 0.442 cfs @ 8.04 hrs, Volume= 8,918 cf

8.81 hrs, Volume= 8,151 cf, Atten= 36%, Lag= 45.9 min Outflow 0.282 cfs @

Primary 0.282 cfs @ 8.81 hrs, Volume= 8.151 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.66' @ 8.81 hrs Surf.Area= 1,830 sf Storage= 1,998 cf

Plug-Flow detention time= 217.7 min calculated for 8,151 cf (91% of inflow)

Center-of-Mass det. time= 157.1 min (880.4 - 723.3)

Volume	Inv	ert Avail.Sto	rage Storage	e Description		
#1	159.8	83' 6,3°	15 cf Custon	n Stage Data (Prismatic) Listed below (Recalc)		
Elevation	on	Surf.Area	Inc.Store	Cum.Store		
(fee	et)	(sq-ft)	(cubic-feet)	(cubic-feet)		
159.83		391	0	0		
160.83		1,142	767	767		
161.8	33	1,972	1,557	2,324		
162.8	33	2,884	2,428	4,752		
163.3	33	3,370	1,564	6,315		
Device	Routing	Invert	Outlet Device	es		
#1	Primary	160.23'	0.7" Vert. W	Q Orifice C= 0.600		
#2	Primary	161.10'	3.0" Vert. 1/2	2 of 2 Year Orifice C= 0.600		
#3	Primary	161.18'	2.3" Vert. 2-1	2.3" Vert. 2-Yr Orifice C= 0.600		
#4	Primary	161.42'	1.5" Vert. 5-\	YR Orifice C= 0.600		
#5	Primary	161.83'	24.0" x 24.0"	" Horiz. 50-Yr Overflow C= 0.600		
				eir flow at low heads		
#6	Primary	162.83'	3.0' long Sha 0.5' Crest He	arp-Crested Rectangular Weir 2 End Contraction(s) eight		

Primary OutFlow Max=0.282 cfs @ 8.81 hrs HW=161.66' TW=159.31' (Dynamic Tailwater)

-1=WQ Orifice (Orifice Controls 0.015 cfs @ 5.70 fps)

-2=1/2 of 2 Year Orifice (Orifice Controls 0.156 cfs @ 3.17 fps)

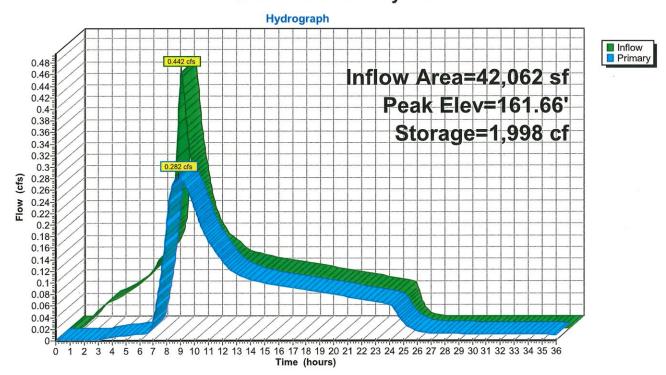
-3=2-Yr Orifice (Orifice Controls 0.086 cfs @ 2.98 fps)

-4=5-YR Orifice (Orifice Controls 0.025 cfs @ 2.02 fps)

-5=50-Yr Overflow (Controls 0.000 cfs)

-6=Sharp-Crested Rectangular Weir (Controls 0.000 cfs)

Pond 4P: Extended Dry Basin



Type IA 24-hr 25yr Rainfall=4.00" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post

Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=2.29"

Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.159 cfs 2,671 cf

Subcatchment 3S: Post-Development Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=3.00" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.524 cfs 10,505 cf

Reach 5R: 12" OutfallAvg. Flow Depth=0.09' Max Vel=9.52 fps Inflow=0.322 cfs 9,733 cf 12.0" Round Pipe n=0.012 L=86.6' S=0.2740 '/' Capacity=20.204 cfs Outflow=0.322 cfs 9,733 cf

Reach 6R: Creek BasinAvg. Flow Depth=0.36' Max Vel=0.48 fps Inflow=0.419 cfs 12,404 cf n=0.140 L=137.0' S=0.0200'/ Capacity=251.047 cfs Outflow=0.418 cfs 12,397 cf

Pond 4P: Extended Dry Basin

Peak Elev=161.78' Storage=2,221 cf Inflow=0.524 cfs 10,505 cf

Outflow=0.322 cfs 9,733 cf

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Summary for Subcatchment 2S: Forest Pre & Post

Runoff

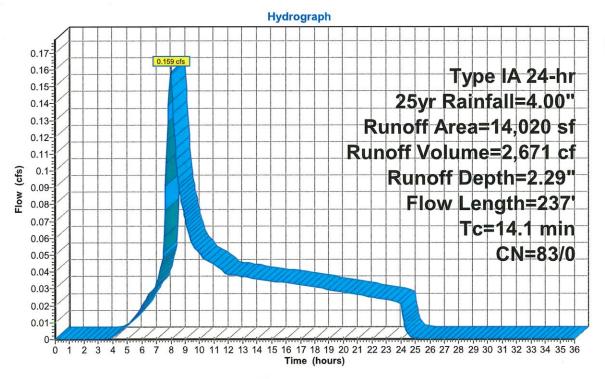
0.159 cfs @ 8.01 hrs, Volume=

2,671 cf, Depth= 2.29"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 25yr Rainfall=4.00"

	Α	rea (sf)	CN	Description		
		14,020	83	Woods, Poo	r, HSG D	
		14,020	83	100.00% Pe	rvious Area	
	Tc (min)	Length (feet)	Slope (ft/ft)	•	Capacity (cfs)	Description
-	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
•	14 1	237	Total			

Subcatchment 2S: Forest Pre & Post





Summary for Subcatchment 3S: Post-Development

Runoff

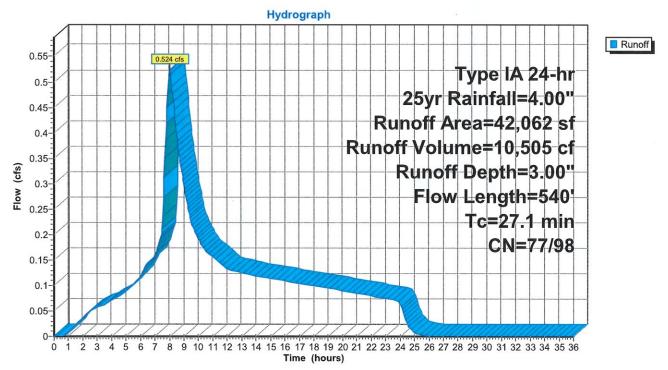
0.524 cfs @ 8.04 hrs, Volume=

10,505 cf, Depth= 3.00"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 25yr Rainfall=4.00"

	Α	rea (sf)	CN	Description						
*		16,543	77 :	>75% Grass cover, Good, HSG C/D						
*		25,519	98							
		42,062	90 '	Weighted Av	verage					
		16,543		39.33% Per	0					
		25,519	98	60.67% Imp	ervious Area	3				
	Tc	Length	Slope	Velocity	Capacity	Description				
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
	19.8	150	0.0100	0.13		Sheet Flow,				
						Grass: Short n= 0.150 P2= 2.60"				
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,				
						Short Grass Pasture Kv= 7.0 fps				
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,				
						Forest w/Heavy Litter Kv= 2.5 fps				
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,				
						Forest w/Heavy Litter Kv= 2.5 fps				
	27.1	540	Total							

Subcatchment 3S: Post-Development



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Inflow

Outflow

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Summary for Reach 5R: 12" Outfall

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth > 2.78" for 25yr event

Inflow =

0.322 cfs @

8.86 hrs, Volume=

9,733 cf

Outflow

0.322 cfs @

8.87 hrs, Volume=

9,733 cf, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 9.52 fps, Min. Travel Time= 0.2 min

Avg. Velocity = 5.55 fps, Avg. Travel Time= 0.3 min

Peak Storage= 3 cf @ 8.87 hrs

Average Depth at Peak Storage= 0.09'

Bank-Full Depth= 1.00' Flow Area= 0.8 sf. Capacity= 20.204 cfs

12.0" Round Pipe

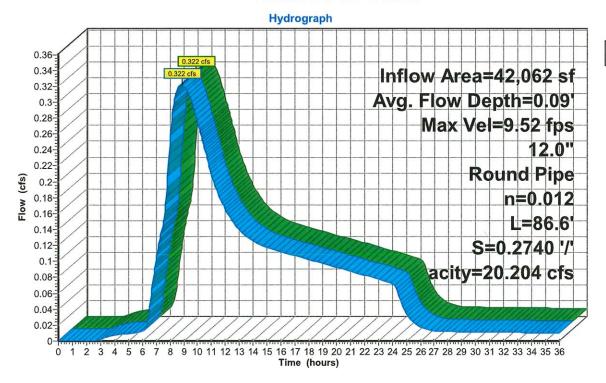
n= 0.012

Length= 86.6' Slope= 0.2740 '/'

Inlet Invert= 159.23', Outlet Invert= 135.50'



Reach 5R: 12" Outfall



Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 45.50% Impervious, Inflow Depth > 2.65" for 25yr event

Inflow =

0.419 cfs @

8.20 hrs, Volume=

12,404 cf

Outflow =

0.418 cfs @

8.27 hrs, Volume=

12,397 cf, Atten= 0%, Lag= 4.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.48 fps, Min. Travel Time= 4.8 min Avg. Velocity = 0.30 fps, Avg. Travel Time= 7.6 min

Peak Storage= 120 cf @ 8.27 hrs Average Depth at Peak Storage= 0.36'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

 $0.00' \times 4.00'$ deep channel, n= 0.140 Earth, dense brush, high stage

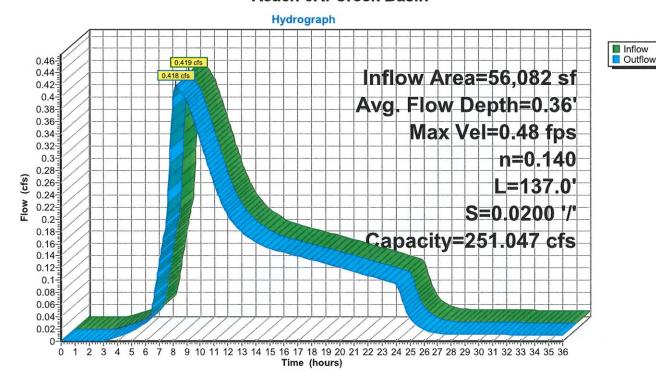
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'



Reach 6R: Creek Basin



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Summary for Pond 4P: Extended Dry Basin

Inflow Area = 42,062 sf, 60.67% Impervious, Inflow Depth = 3.00" for 25yr event

Inflow = 0.524 cfs @ 8.04 hrs, Volume= 10,505 cf

Outflow = 0.322 cfs @ 8.86 hrs, Volume= 9,733 cf, Atten= 39%, Lag= 49.3 min

Primary = 0.322 cfs @ 8.86 hrs, Volume= 9,733 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.78' @ 8.86 hrs Surf.Area= 1,928 sf Storage= 2,221 cf

Plug-Flow detention time= 194.2 min calculated for 9,733 cf (93% of inflow)

Center-of-Mass det. time= 141.9 min (861.9 - 720.0)

Volume	Inv	ert Avail.Sto	rage Storage	e Description
#1	159.	33' 6,3°	15 cf Custon	m Stage Data (Prismatic) Listed below (Recalc)
Elevation		Surf.Area	Inc.Store	Cum.Store
(fee	et)	(sq-ft)	(cubic-feet)	(cubic-feet)
159.83		391	0	0
160.83		1,142	767	767
161.83		1,972	1,557	2,324
162.83		2,884	2,428	4,752
163.3	33	3,370	1,564	6,315
Device	Routing	Invert	Outlet Device	es
#1	Primary	160.23'	0.7" Vert. W	Q Orifice C= 0.600
#2	Primary	161.10'	3.0" Vert. 1/2	2 of 2 Year Orifice C= 0.600
#3	Primary	161.18'	2.3" Vert. 2-	Yr Orifice C= 0.600
#4	Primary	161.42'	1.5" Vert. 5-	YR Orifice C= 0.600
#5	Primary	161.83'	24.0" x 24.0"	" Horiz. 50-Yr Overflow
	, •		Limited to we	eir flow at low heads
#6 Primary 162.83'		3.0' long Sha 0.5' Crest He	arp-Crested Rectangular Weir 2 End Contraction(s) eight	

Primary OutFlow Max=0.322 cfs @ 8.86 hrs HW=161.78' TW=159.32' (Dynamic Tailwater)

-1=WQ Orifice (Orifice Controls 0.016 cfs @ 5.93 fps)

-2=1/2 of 2 Year Orifice (Orifice Controls 0.176 cfs @ 3.58 fps)

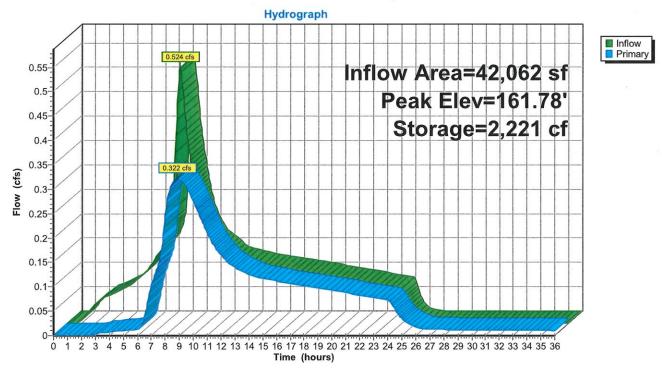
-3=2-Yr Orifice (Orifice Controls 0.098 cfs @ 3.41 fps)

-4=5-YR Orifice (Orifice Controls 0.032 cfs @ 2.61 fps)

-5=50-Yr Overflow (Controls 0.000 cfs)

-6=Sharp-Crested Rectangular Weir (Controls 0.000 cfs)

Pond 4P: Extended Dry Basin



Type IA 24-hr 50yr Rainfall=4.20" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=2.46" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.172 cfs 2,875 cf

Subcatchment 3S: Post-Development Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=3.18" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.557 cfs 11,146 cf

Reach 5R: 12" Outfall

Avg. Flow Depth=0.09' Max Vel=9.64 fps Inflow=0.337 cfs 10,374 cf
12.0" Round Pipe n=0.012 L=86.6' S=0.2740 '/' Capacity=20.204 cfs Outflow=0.337 cfs 10,374 cf

Reach 6R: Creek BasinAvg. Flow Depth=0.37' Max Vel=0.48 fps Inflow=0.444 cfs 13,248 cf n=0.140 L=137.0' S=0.0200'/ Capacity=251.047 cfs Outflow=0.443 cfs 13,241 cf

Pond 4P: Extended Dry Basin

Peak Elev=161.83' Storage=2,316 cf Inflow=0.557 cfs 11,146 cf

Outflow=0.337 cfs 10,374 cf

Summary for Subcatchment 2S: Forest Pre & Post

Runoff

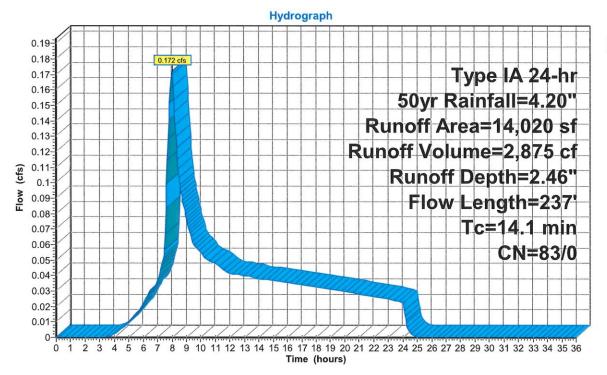
0.172 cfs @ 8.01 hrs, Volume=

2,875 cf, Depth= 2.46"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 50yr Rainfall=4.20"

2	Α	rea (sf)	CN [Description		
		14,020	83 \	Voods, Poo	r, HSG D	
		14,020	83 1	100.00% Pe	rvious Area	
net	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	14.1	237	Total	·		

Subcatchment 2S: Forest Pre & Post





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Summary for Subcatchment 3S: Post-Development

Runoff

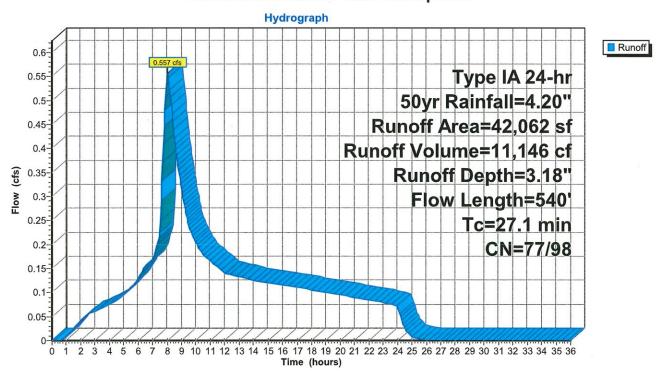
0.557 cfs @ 8.04 hrs, Volume=

11,146 cf, Depth= 3.18"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 50yr Rainfall=4.20"

	А	rea (sf)	CN I	Description							
*		16,543	77 :	>75% Grass	cover, Goo	od, HSG C/D					
*		25,519	98 /	Asphalt/Con	sphalt/Concrete/Roofs, HSG C/D						
		42,062	90 \	Weighted Av							
		16,543	77 3	39.33% Per	vious Area						
		25,519	98	60.67% Imp	ervious Area	a					
	Tc	Length	Slope	Velocity	Capacity	Description					
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)						
	19.8	150	0.0100	0.13		Sheet Flow,					
						Grass: Short n= 0.150 P2= 2.60"					
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,					
						Short Grass Pasture Kv= 7.0 fps					
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,					
						Forest w/Heavy Litter Kv= 2.5 fps					
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,					
_						Forest w/Heavy Litter Kv= 2.5 fps					
	27.1	540	Total								

Subcatchment 3S: Post-Development



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Summary for Reach 5R: 12" Outfall

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth > 2.96" for 50yr event

Inflow =

0.337 cfs @

8.89 hrs, Volume=

10,374 cf

Outflow =

0.337 cfs @

8.89 hrs, Volume=

10,374 cf, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 9.64 fps, Min. Travel Time= 0.1 min Avg. Velocity = 5.63 fps, Avg. Travel Time= 0.3 min

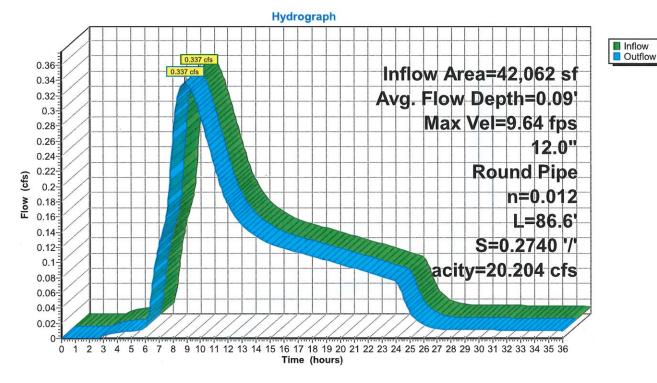
Peak Storage= 3 cf @ 8.89 hrs Average Depth at Peak Storage= 0.09'

Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 20.204 cfs

12.0" Round Pipe n= 0.012 Length= 86.6' Slope= 0.2740 '/' Inlet Invert= 159.23', Outlet Invert= 135.50'



Reach 5R: 12" Outfall



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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 45.50% Impervious, Inflow Depth > 2.83" for 50yr event

Inflow :

0.444 cfs @

8.16 hrs, Volume=

13,248 cf

Outflow

0.443 cfs @

8.25 hrs, Volume=

13,241 cf, Atten= 0%, Lag= 5.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.48 fps, Min. Travel Time= 4.7 min

Avg. Velocity = 0.30 fps, Avg. Travel Time= 7.5 min

Peak Storage= 125 cf @ 8.25 hrs

Average Depth at Peak Storage= 0.37'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

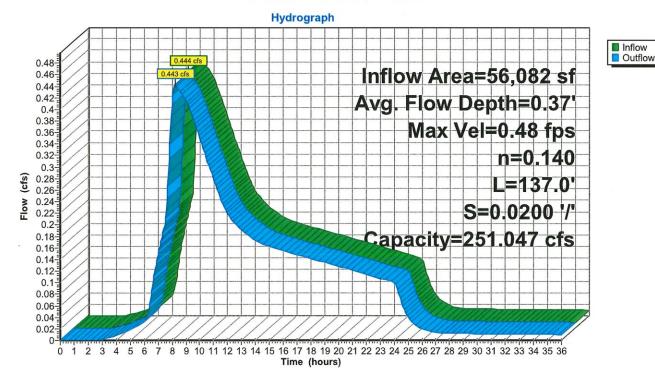
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'



Reach 6R: Creek Basin



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Summary for Pond 4P: Extended Dry Basin

Inflow Area = 42,062 sf, 60.67% Impervious, Inflow Depth = 3.18" for 50yr event

Inflow = 0.557 cfs @ 8.04 hrs, Volume= 11,146 cf

Outflow = 0.337 cfs @ 8.89 hrs, Volume= 10,374 cf, Atten= 40%, Lag= 50.8 min

Primary = 0.337 cfs @ 8.89 hrs, Volume= 10,374 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.83' @ 8.89 hrs Surf.Area= 1,969 sf Storage= 2,316 cf

Plug-Flow detention time= 186.8 min calculated for 10,374 cf (93% of inflow)

Avail Changes - Changes Description

Center-of-Mass det. time= 137.2 min (856.0 - 718.8)

\$ / = \$.

<u>Volume</u>	lnv	ert Avail.Sto	rage Storage	Description			
#1	159.	83' 6,3°	15 cf Custom	Stage Data (Pri	smatic) Listed below (Recalc)		
Elevation	on	Surf.Area	Inc.Store	Cum.Store			
(fee	et)	(sq-ft)	(cubic-feet)	(cubic-feet)			
159.8	33	391	0	0			
160.8	33	1,142	767	767			
161.8	33	1,972	1,557	2,324			
162.8	33	2,884	2,428	4,752			
163.3	33	3,370	1,564	6,315			
Device	Routing	Invert	Outlet Device	s			
#1	Primary	160.23'	0.7" Vert. WC	Orifice C= 0.6	600		
#2	Primary	161.10'	3.0" Vert. 1/2	of 2 Year Orific	e C= 0.600		
#3	Primary	161.18'	2.3" Vert. 2-Y	r Orifice C= 0.	600		
#4	Primary	161.42'	1.5" Vert. 5-Y	R Orifice C= 0	0.600		
#5	Primary	161.83'	24.0" x 24.0"	Horiz. 50-Yr Ov	erflow C= 0.600		
			Limited to wei	r flow at low hea	ds		
#6	#6 Primary 162.83'		3.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)0.5' Crest Height				

Primary OutFlow Max=0.337 cfs @ 8.89 hrs HW=161.83' TW=159.32' (Dynamic Tailwater)

1=WQ Orifice (Orifice Controls 0.016 cfs @ 6.03 fps)

-2=1/2 of 2 Year Orifice (Orifice Controls 0.183 cfs @ 3.73 fps)

-3=2-Yr Orifice (Orifice Controls 0.103 cfs @ 3.57 fps)

-4=5-YR Orifice (Orifice Controls 0.035 cfs @ 2.82 fps)

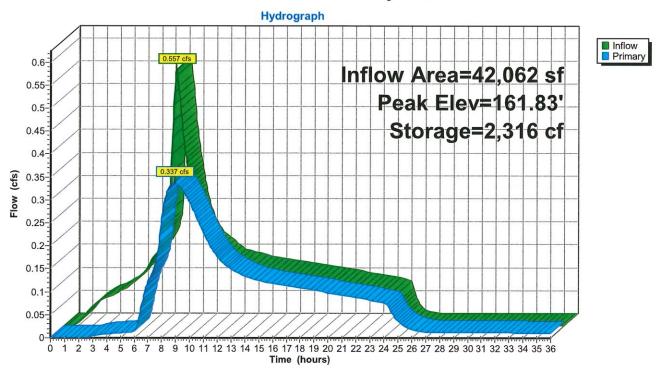
-5=50-Yr Overflow (Controls 0.000 cfs)

-6=Sharp-Crested Rectangular Weir (Controls 0.000 cfs)

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Pond 4P: Extended Dry Basin



Type IA 24-hr 100yr Rainfall=4.50" Printed 10/14/2020

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Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SBUH method, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 2S: Forest Pre & Post Runoff Area=14,020 sf 0.00% Impervious Runoff Depth=2.73" Flow Length=237' Tc=14.1 min CN=83/0 Runoff=0.193 cfs 3.184 cf

Subcatchment 3S: Post-Development Runoff Area=42,062 sf 60.67% Impervious Runoff Depth=3.46" Flow Length=540' Tc=27.1 min CN=77/98 Runoff=0.607 cfs 12,115 cf

Reach 5R: 12" Outfall

Avg. Flow Depth=0.10' Max Vel=10.45 fps Inflow=0.440 cfs 11,341 cf
12.0" Round Pipe n=0.012 L=86.6' S=0.2740 '/' Capacity=20.204 cfs Outflow=0.439 cfs 11,341 cf

Reach 6R: Creek BasinAvg. Flow Depth=0.40' Max Vel=0.51 fps Inflow=0.548 cfs 14,525 cf n=0.140 L=137.0' S=0.0200'/ Capacity=251.047 cfs Outflow=0.542 cfs 14,518 cf

Pond 4P: Extended Dry Basin

Peak Elev=161.85' Storage=2,370 cf Inflow=0.607 cfs 12,115 cf

Outflow=0.440 cfs 11,341 cf

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Summary for Subcatchment 2S: Forest Pre & Post

Runoff

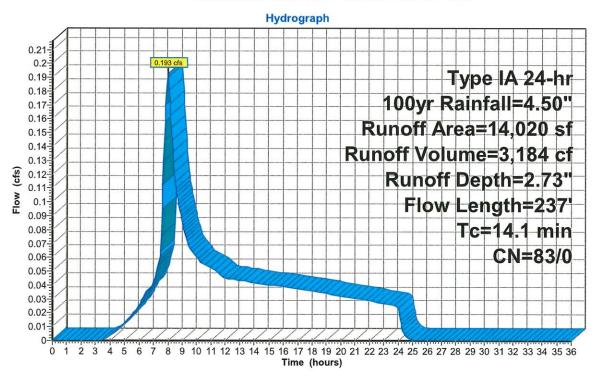
0.193 cfs @ 8.01 hrs, Volume=

3,184 cf, Depth= 2.73"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 100yr Rainfall=4.50"

	Α	rea (sf)	CN [Description		
		14,020	83 \	Voods, Poo	r, HSG D	
		14,020	83 1	100.00% Pe	rvious Area	
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
	7.2	60	0.0200	0.14		Sheet Flow,
	0.4	40	0.5000	1.77		Grass: Short n= 0.150 P2= 2.60" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
31 <u>22</u>	6.5	137	0.0200	0.35		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	14.1	237	Total			

Subcatchment 2S: Forest Pre & Post





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Summary for Subcatchment 3S: Post-Development

Runoff

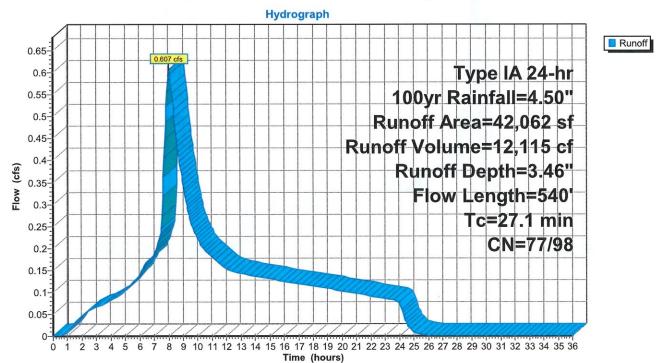
0.607 cfs @ 8.04 hrs, Volume=

12,115 cf, Depth= 3.46"

Runoff by SBUH method, Split Pervious/Imperv., Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Type IA 24-hr 100yr Rainfall=4.50"

2000	Α	rea (sf)	CN E	Description					
*		16,543	77 >	>75% Grass cover, Good, HSG C/D					
*		25,519	98 Asphalt/Concrete/Roofs, HSG C/D						
		42,062	90 V	Veighted Av	verage				
		16,543	77 3	9.33% Per	vious Area				
		25,519	98 6	0.67% Imp	ervious Area	a e e e e e e e e e e e e e e e e e e e			
	Тс	Length	Slope	Velocity	Capacity	Description			
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
	19.8	150	0.0100	0.13		Sheet Flow,			
						Grass: Short n= 0.150 P2= 2.60"			
	2.2	150	0.0266	1.14		Shallow Concentrated Flow,			
						Short Grass Pasture Kv= 7.0 fps			
	0.4	40	0.5000	1.77		Shallow Concentrated Flow,			
						Forest w/Heavy Litter Kv= 2.5 fps			
	4.7	200	0.0800	0.71		Shallow Concentrated Flow,			
_						Forest w/Heavy Litter Kv= 2.5 fps			
	27.1	540	Total						

Subcatchment 3S: Post-Development



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Summary for Reach 5R: 12" Outfall

Inflow Area =

42,062 sf, 60.67% Impervious, Inflow Depth > 3.24" for 100yr event

Inflow =

0.440 cfs @

8.57 hrs, Volume=

11,341 cf

Outflow

0.439 cfs @

8.58 hrs, Volume=

11,341 cf, Atten= 0%, Lag= 0.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 10.45 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 5.76 fps, Avg. Travel Time= 0.3 min

Peak Storage= 4 cf @ 8.58 hrs

Average Depth at Peak Storage= 0.10'

Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 20.204 cfs

12.0" Round Pipe

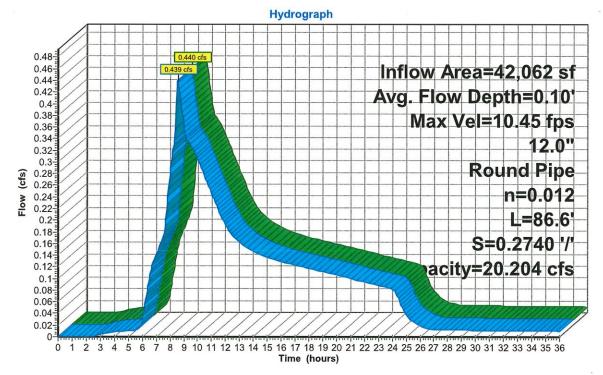
n= 0.012

Length= 86.6' Slope= 0.2740 '/'

Inlet Invert= 159.23', Outlet Invert= 135.50'



Reach 5R: 12" Outfall





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Summary for Reach 6R: Creek Basin

Inflow Area =

56,082 sf, 45.50% Impervious, Inflow Depth > 3.11" for 100yr event

Inflow

0.548 cfs @

8.56 hrs, Volume=

14.525 cf

Outflow

0.542 cfs @

8.62 hrs, Volume=

14,518 cf, Atten= 1%, Lag= 3.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.51 fps, Min. Travel Time= 4.5 min Avg. Velocity = 0.31 fps, Avg. Travel Time= 7.4 min

Peak Storage= 146 cf @ 8.62 hrs Average Depth at Peak Storage= 0.40'

Bank-Full Depth= 4.00' Flow Area= 106.4 sf, Capacity= 251.047 cfs

0.00' x 4.00' deep channel, n= 0.140 Earth, dense brush, high stage

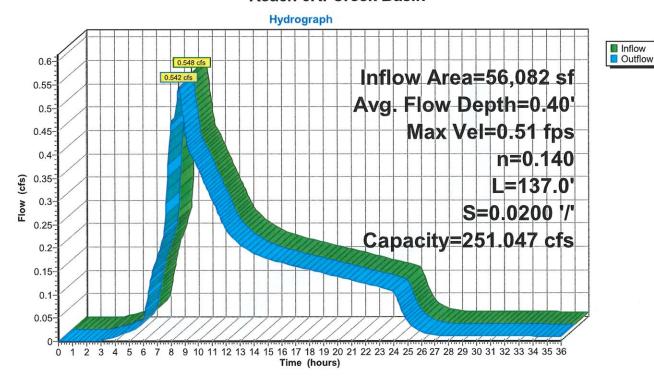
Side Slope Z-value= 3.3 10.0 '/' Top Width= 53.20'

Length= 137.0' Slope= 0.0200 '/'

Inlet Invert= 137.00', Outlet Invert= 134.26'



Reach 6R: Creek Basin



Prepared by HBH Consulting Engineers

Printed 10/14/2020

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Summary for Pond 4P: Extended Dry Basin

Inflow Area = 42,062 sf, 60.67% Impervious, Inflow Depth = 3.46" for 100yr event

Inflow = 0.607 cfs @ 8.04 hrs, Volume= 12,115 cf

Outflow = 0.440 cfs @ 8.57 hrs, Volume= 11,341 cf, Atten= 28%, Lag= 31.9 min

Primary = 0.440 cfs @ 8.57 hrs, Volume= 11,341 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs Peak Elev= 161.85' @ 8.57 hrs Surf.Area= 1,994 sf Storage= 2,370 cf

Plug-Flow detention time= 175.2 min calculated for 11,325 cf (93% of inflow)

Center-of-Mass det. time= 130.1 min (847.1 - 717.1)

<u>Volume</u>	Inv	ert Avail.Sto	rage Storage	Description	
#1	159.	83' 6,3	15 cf Custom	n Stage Data (Prismat	tic) Listed below (Recalc)
Elevatio		Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	
159.8	33	391	0	0	
160.8	33	1,142	767	767	
161.8	33	1,972	1,557	2,324	
162.8	33	2,884	2,428	4,752	
163.3	33	3,370	1,564	6,315	
Device	Routing	Invert	Outlet Device	es	
#1	Primary	160.23'	0.7" Vert. WC	Q Orifice C= 0.600	
#2	Primary		3.0" Vert. 1/2 of 2 Year Orifice C= 0.600		
#3	Primary	161.18'	2.3" Vert. 2-Y	r Orifice C= 0.600	
#4	Primary	161.42'	1.5" Vert. 5-Y	'R Orifice C= 0.600	
#5	Primary	161.83'	24.0" x 24.0"	Horiz. 50-Yr Overflow	w C= 0.600

Primary OutFlow Max=0.439 cfs @ 8.57 hrs HW=161.85' TW=159.33' (Dynamic Tailwater)

0.5' Crest Height

Limited to weir flow at low heads

3.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)

-1=WQ Orifice (Orifice Controls 0.016 cfs @ 6.08 fps)

162.83'

#6

Primary

-2=1/2 of 2 Year Orifice (Orifice Controls 0.187 cfs @ 3.82 fps)

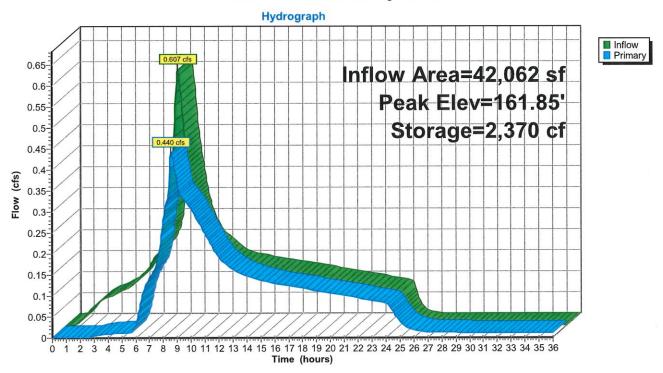
-3=2-Yr Orifice (Orifice Controls 0.106 cfs @ 3.66 fps)

-4=5-YR Orifice (Orifice Controls 0.036 cfs @ 2.93 fps)

-5=50-Yr Overflow (Weir Controls 0.094 cfs @ 0.50 fps)

-6=Sharp-Crested Rectangular Weir (Controls 0.000 cfs)

Pond 4P: Extended Dry Basin



601 BLAINE STREET PARTITION

NEWBERG, OREGON NOVEMBER, 2021

TAX LOT INFORMATION

THIS PROJECT IS LOCATED IN THE NE 1/4 SECTION OF 19, T 3 S, R 2 W, W.M. NEWBERG, YAMHILL COUNTY, OREGON (TAX LOT 4100)

PROJECT SITE LOCATION

601 S BLAINE STREET NEWBERG, OREGON 97132

LOCATE

The Allison Inn & Spa

VICINITY MAP

SPRINGBROO

(48 HOUR NOTICE PRIOR TO EXCAVATION) OREGON LAW REQUIRES YOU TO FOLLOW THE RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090 & ORS 757.542 THROUGH 757.562 AND ORS 757.993. YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER BY CALLING (503) 242-1987. ONE CALL SYSTEM NUMBER 1-800-332-2344.

OWNER

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CIVIL ENGINEER

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501 E FIRST STREET
NEVBERG, OREGON 97132
CONTACT: ANDREY CHERNISHOV, PE,
PH. (503) 554-9553
FAX: (503) 537-9554
EMAIL: ACHERNISHOV@HBH-CONSULTING.COM

ARCHITECT

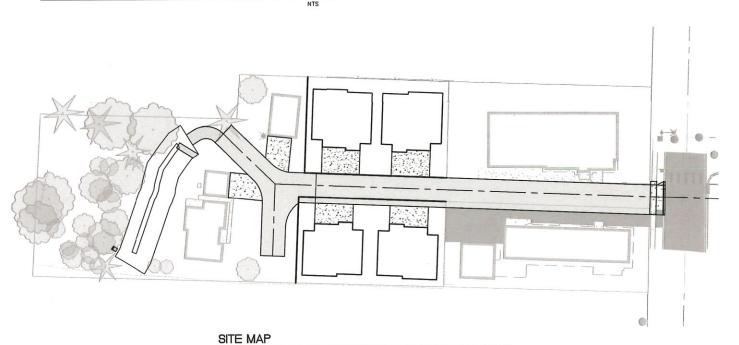
SLATER ARCHITECTURE
8900 NE LIVINGSTON MTN RD
CAMUS, WASHINGTON 98607
CONTACT: LISA SLATER
PH: (360) 903-6886
EMAIL: LISA@SLATERARCHITECTURE.COM

ABBREVIATIONS

HOR HP HYD IE LF LN LP LT	HORIZONTAL HIGH POINT HYDRANT INVERT ELEVATION LINEAR FEET LINE LOW POINT LEFT	NE NTS NW PC PC PT P/L PVI ROW RT S SE SW STM SF SAN ST STA S= VER W W W W W W W W W W W W W W W W W W W	NORTH EAST NOT TO SCALE NORTH WEST POINT OF CURVATURE POINT OF CURVATURE POINT OF TANCENCY PROPERTY LINE POLYVINYL CHLORIDE POINT OF VERTICAL INTERSECTION RIGHT SOUTH SOUTH SOUTH EAST SOUTH WEST STORM DRAIN SQUARE FEET SANITARY SEWER STREET STATION SLOPE EQUALS SIDEWALK THRUST BLOCK TYPICAL WEST WITH WATER WASTE WATER
LI	LLI I	ww	WASTE WATER
	MANHOLE MECHANICAL JOINT		
IVIO	MODTH		

SHEET INDEX TABLE

- C-1 COVER
- C-2 DEMO + EXISTING CONDITIONS
- C-3 TENTATIVE PLAT
- C-4 SITE PLAN
- C-5 COMPOSITE UTILITY PLAN
- C-6 FIRE EXHIBIT



CASEY AND SHANNON BERNARD - ZONE HOLDINGS
375 SW VIEWMONT DRIVE - DUNDEE, OR 97115
601 BLAINE STREET PARTITION
601 S BLAINE STREET - NEWBERG, OR 97132

N S I

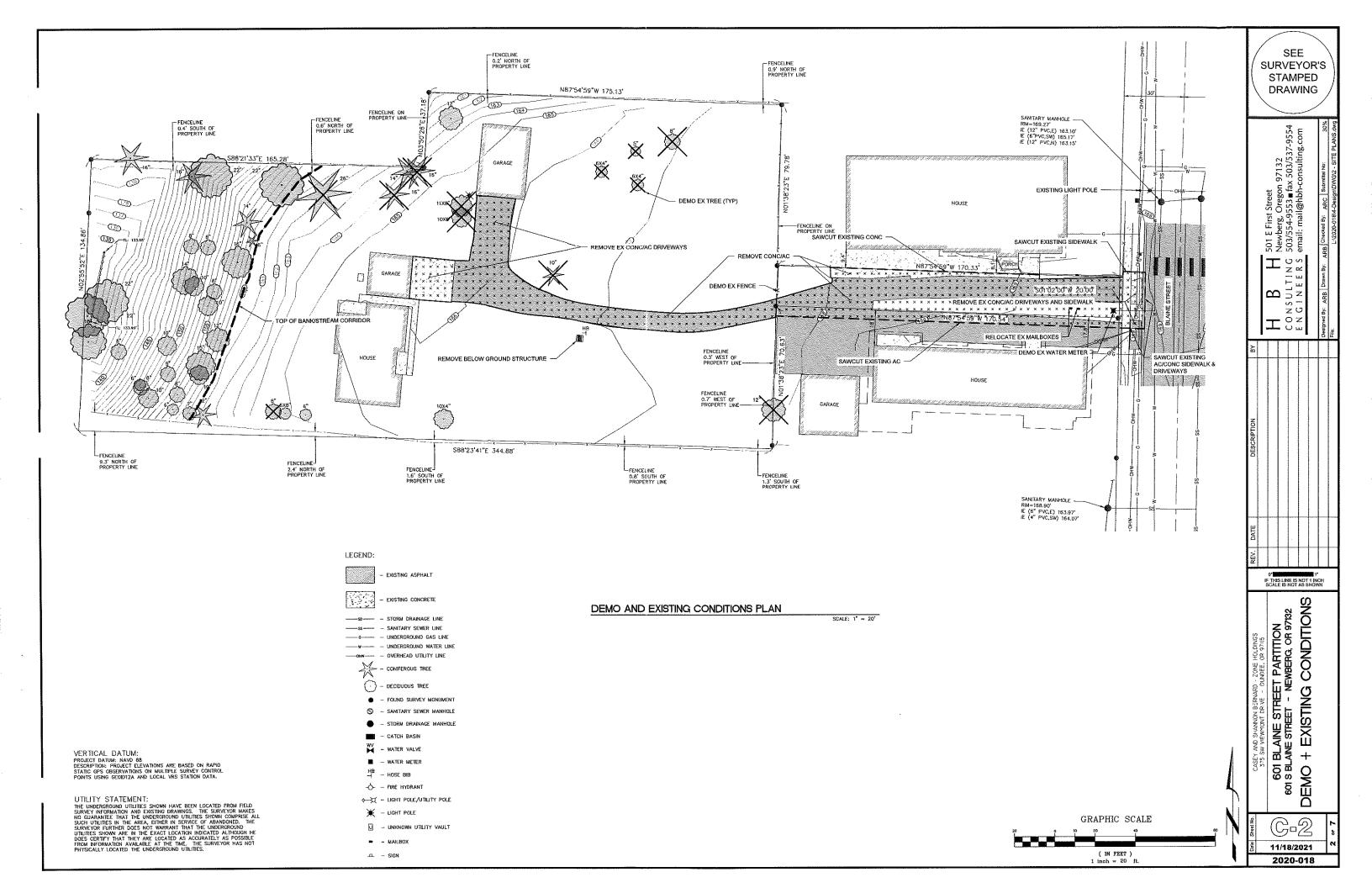
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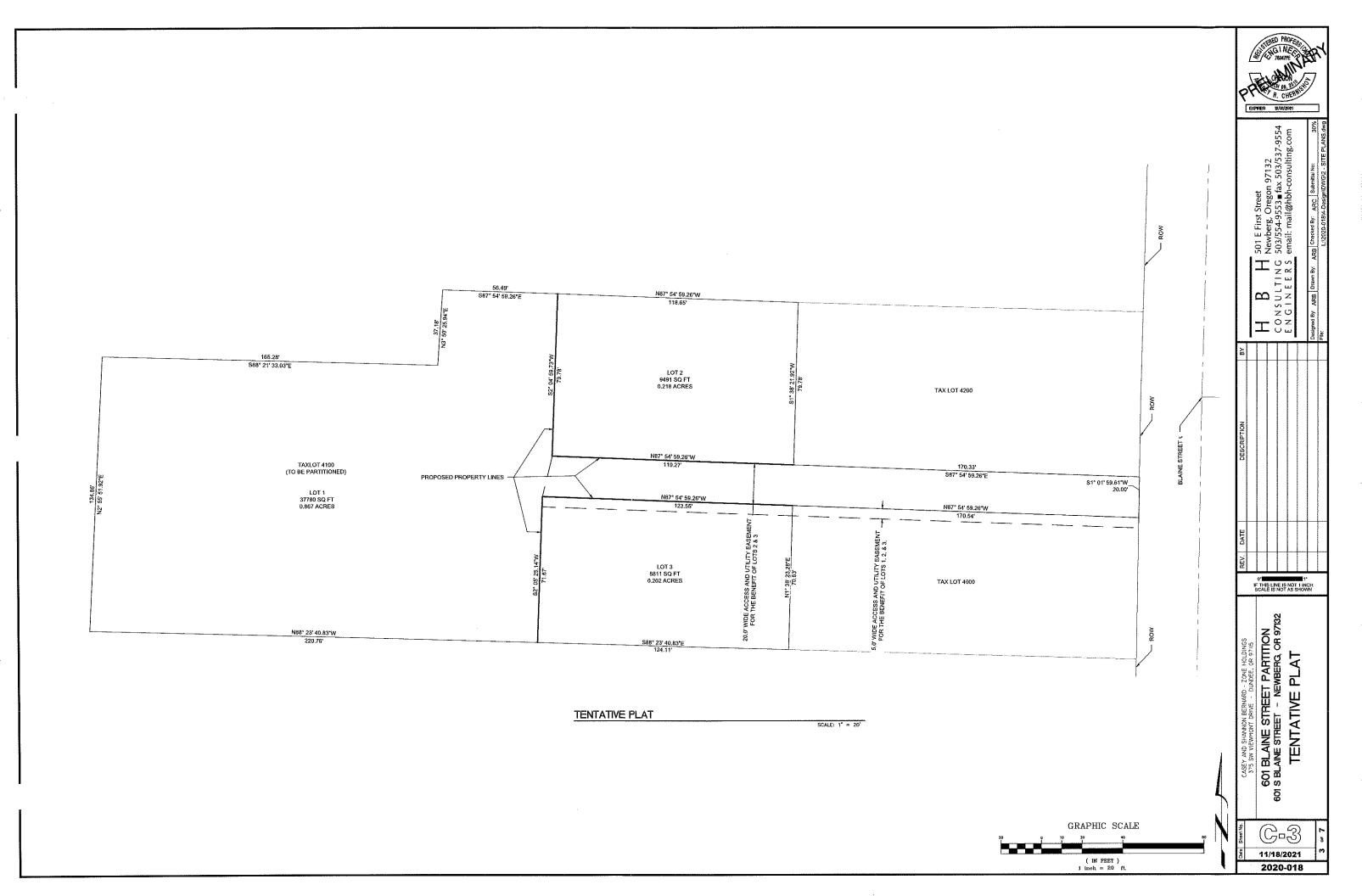
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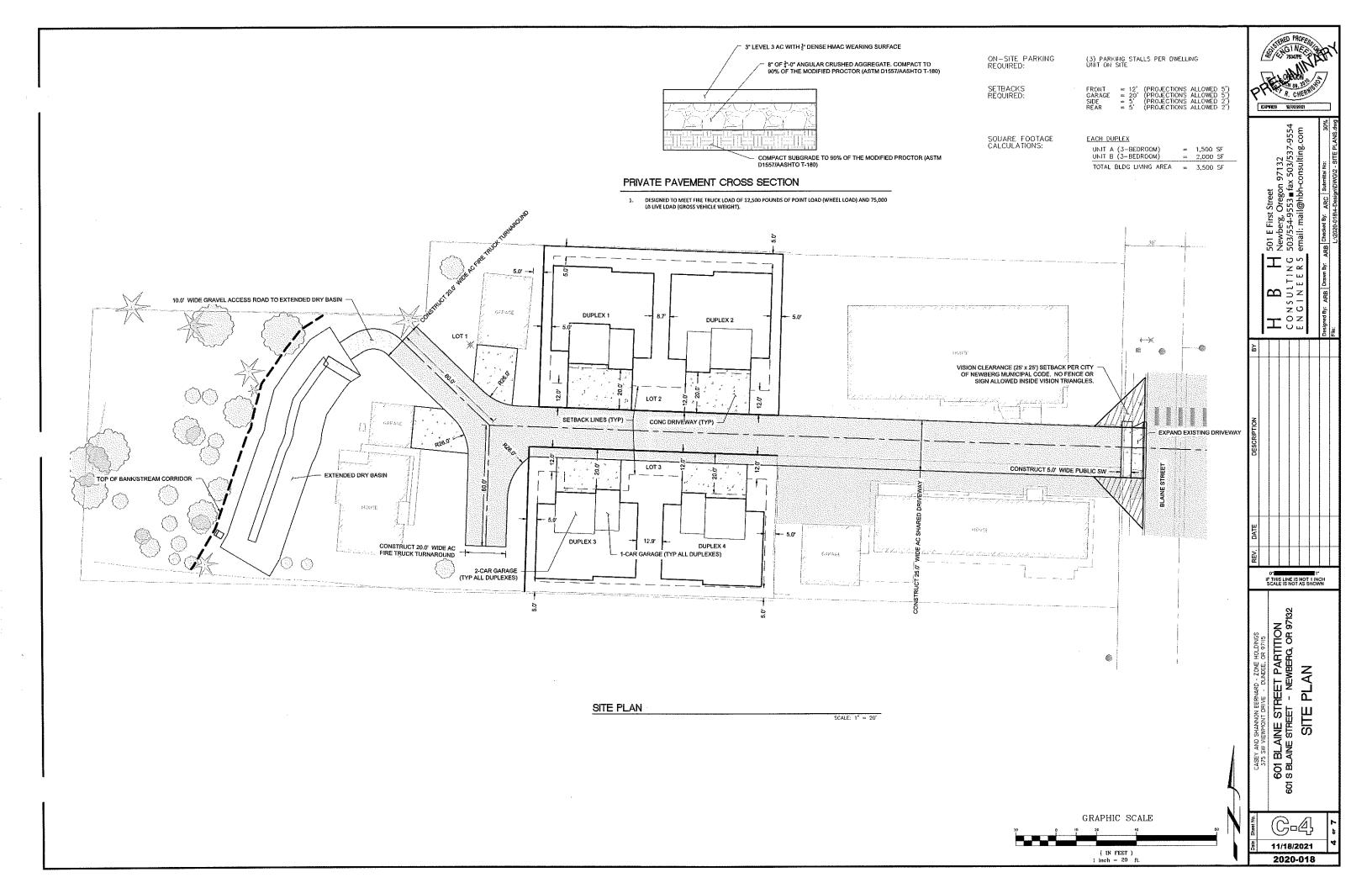
IF THIS LINE IS NOT 1 INCH SCALE IS NOT AS SHOWN

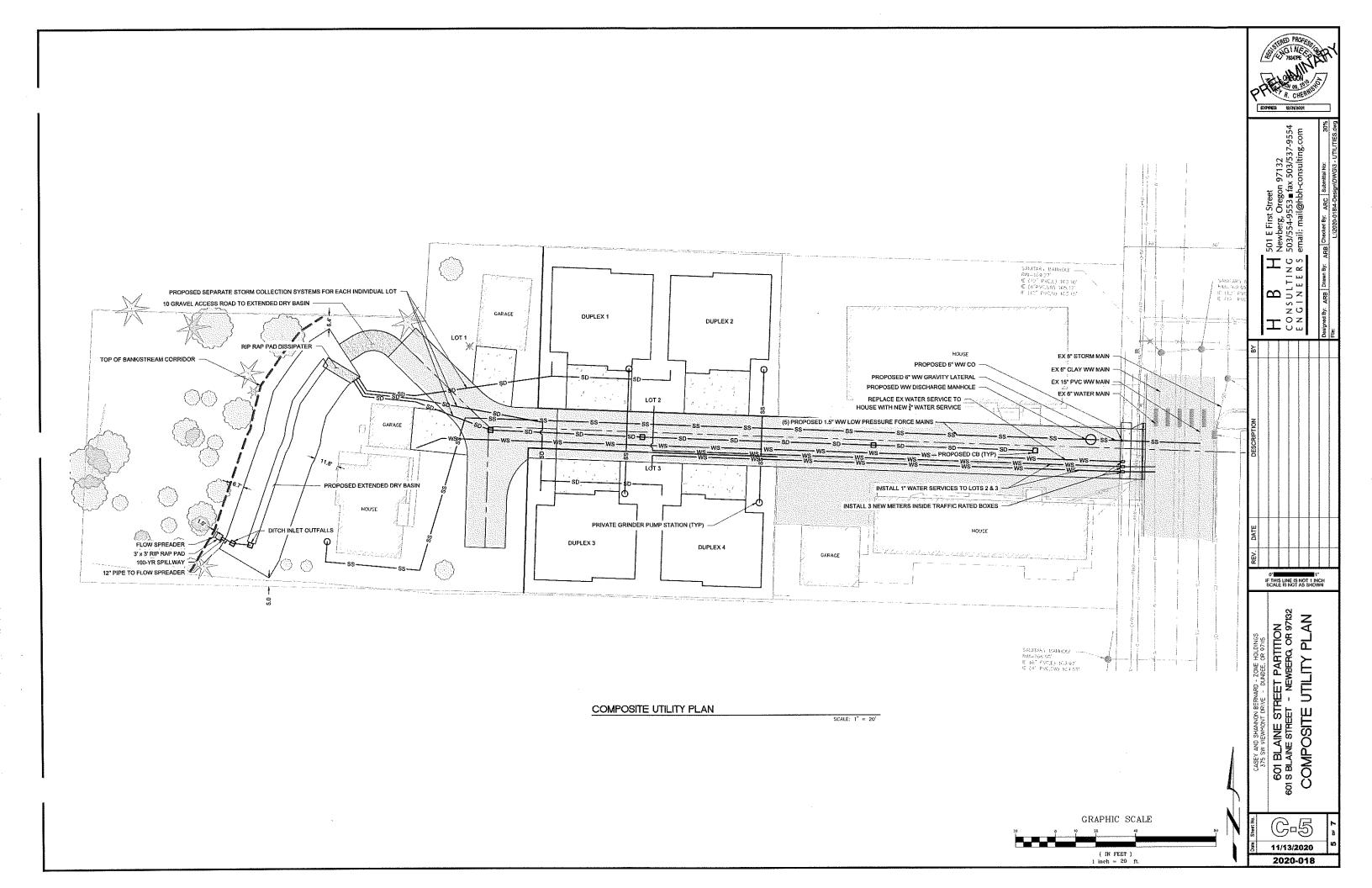
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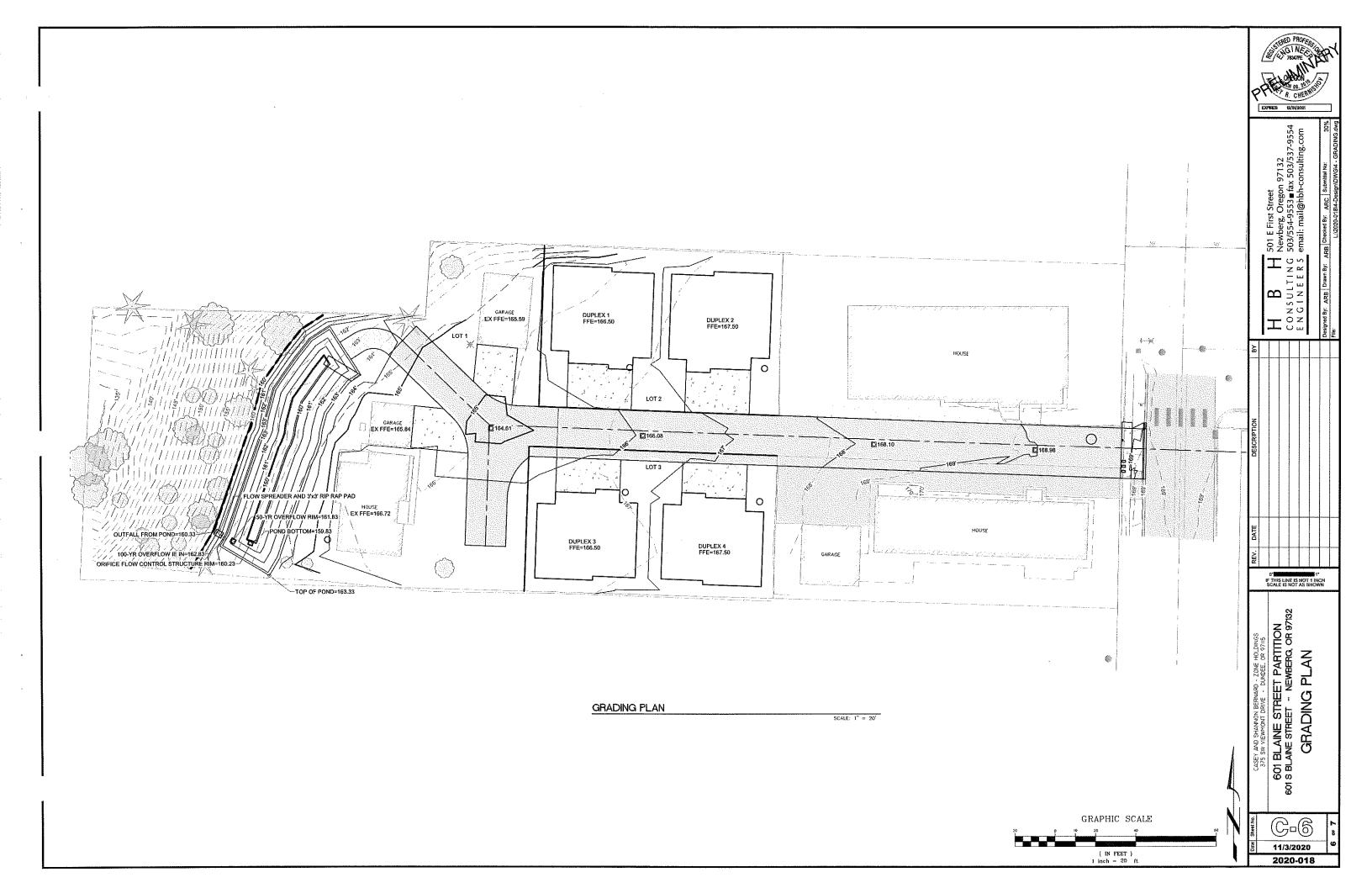
1"=40'

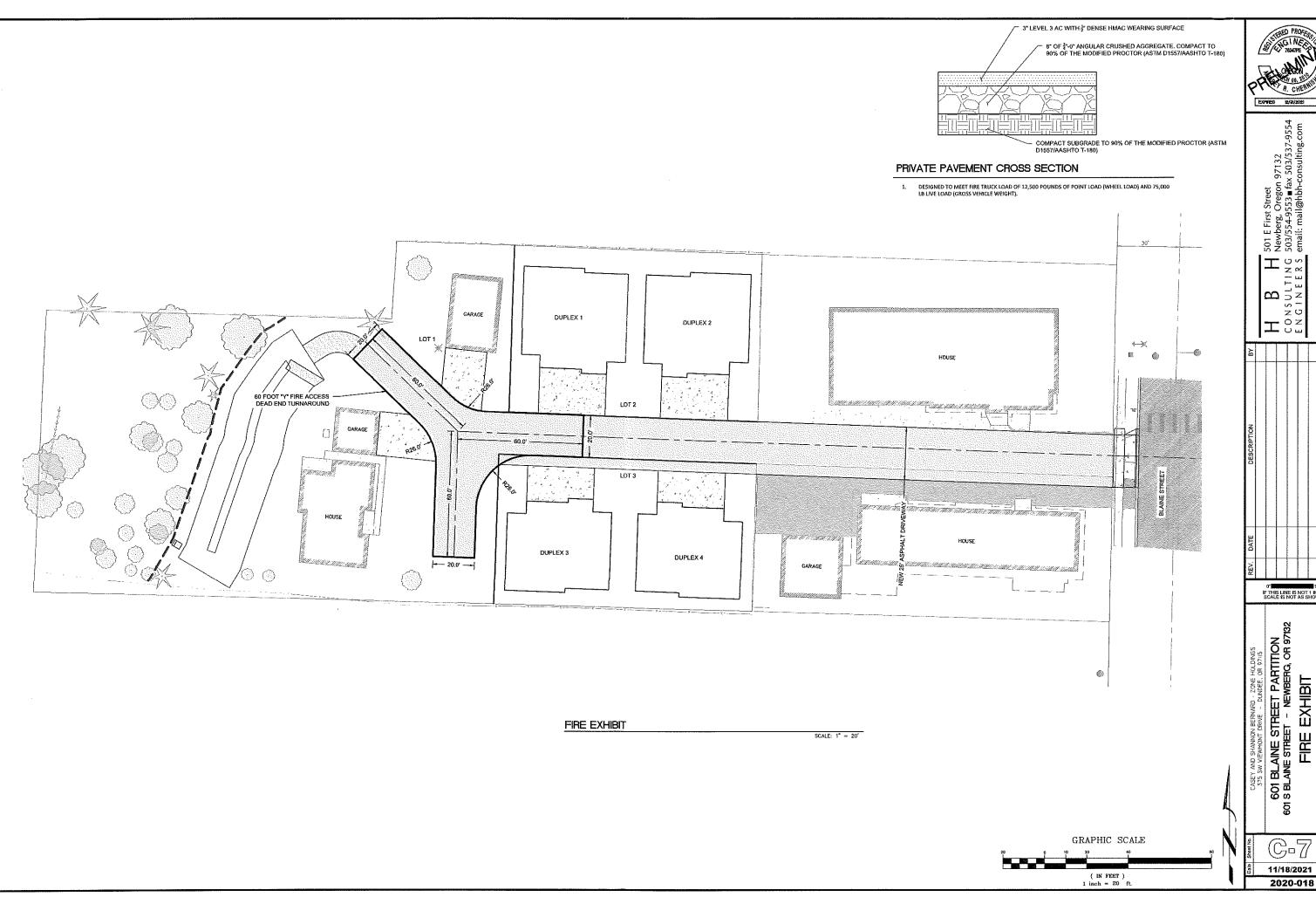












0" 1"
IF THIS LINE IS NOT 1 INCH
SCALE IS NOT AS SHOWN

C-7

11/18/2021

2020-018