

STORMWATER MANAGEMENT NARRATIVE

For

Pine Belt Nissan

Block 52, Lots 1 & 2

Block 51, Lots 22, 22.02, 22.03, 24, 25 & 25.03

Borough of Keyport, Monmouth County, NJ

May 17, 2022

By:



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1. INTRODUCTION

This stormwater management report is prepared to address the impacts of stormwater runoff from the development detailed on the site plans prepared by Kennedy Consulting Engineers, LLC (KCE). This report contains the calculation of peak stormwater runoff flow rates a single point of concern for the proposed development. This report provides conclusive information and shows no adverse impact from stormwater runoff to offsite areas as a result of this proposed development.

2. EXISTING SITE CONDITIONS

The subject 5.44-acre property ("the site") is substantially developed, with topography sloping from the southwest side of the property towards an existing swale located on the northeast side of the property. The subject property has multiple tax lots (Block 52, Lots 1 & 2, Block 51, Lots 22, 22.02, 22.03, 24, 25 & 25.03) in the Borough of Keyport. The site is bounded to the north by residential properties, and to the south by Route 36. An automobile dealership currently occupies this site, and the remainder is substantially developed with driveways, parking areas, walkways, and landscaped islands. The impervious areas total 2.817 Ac. There are also grassed areas and vegetation present within the property.

Based on the existing topography, the on-site stormwater runoff is directed towards two points of concern; to the northeast towards an existing swale at the rear of the property (**Point 1**) and an existing inlet within Route 36 (**Point 2**). The drainage area is depicted on the enclosed drainage area maps.

3. PROPOSED SITE CONDITIONS

The applicant proposes two phases of construction for the project. Phase 1 consists of the demolition of existing signs and the construction of new signage along Route 36. The construction of an EV charging area will also take place in Phase 1. Phase 2 consists of the demolition of the existing used car sales building and the construction of a new paved parking area. The site improvements include parking area changes with appropriate striping, EV car charging stations, and revised grading. All other existing improvements are to remain. In total, 0.491 acres of land will be disturbed. In the proposed condition, the total area of impervious is 2.935 acres, which represents an increase of 0.118 acres of "regulated impervious surface" and an increase of 0.249 acres of "regulated motor vehicular surface". The proposed drainage patterns will remain as under existing conditions with **Point 1** (Existing Swale) on the northeast side of the property and **Point 2** (Existing Inlet within Route 36).

The United States Department of Agriculture methodology described in the Soil Conservation Service Technical Release No. 55 is used in developing the enclosed hydrograph-based hydrology model for the comparative peak flow analysis. A summary of the design storm events with return frequencies of 2, 10, and 100 years are included in the conclusion of this report.

4. STORMWATER MANAGEMENT METHODOLOGY

This report compares the existing to the proposed runoff conditions in determining the effect of stormwater runoff as a result of this development. After determining the stormwater drainage areas, hydrologic parameters and point of concern, the direct calculation of peak stormwater runoff from the drainage areas under existing and proposed conditions can be computed.

Storm events with return frequencies of 2, 10, and 100 years are included in the peak flow computations shown in the appendix of this report. The TR-55

methodology is utilized for determining the times of concentration (TC) with a minimum TC of 10 minutes.

In accordance with the Soil Survey of Monmouth County, the on-site soils within the limit of disturbance are UdaB "Udorthents" and USKLEA "Urban land-Klej complex". Therefore, a Hydrologic Soil Group of 'D' is used.

5. STORMWATER MANAGEMENT COMPLIANCE

Major Development is defined by N.J.A.C. 7:8-1.2 et. seq. "Major development" means any "development" that provides for ultimately disturbing one or more acres of land or the creation of one-quarter acre or more of "regulated impervious and motor vehicle surfaces".

As the project proposes to only disturb approximately 0.491 acres, with a net increase of new "regulated impervious surface" of 0.118 acres and a net increase of new "regulated motor vehicular surfaces" of 0.249 acres, the project is not considered a major development per the state regulations and municipal ordinance. As such, this report will document the changes to peak stormwater runoff rates to the points of concern and document proposed strategies to minimize impacts to adjacent and downstream properties.

6. CONCLUSION

The table below shows a comparison of existing and developed runoff to the two points of concern. With respect to the flows at Point 1 (Existing Swale), due to the increase in impervious coverage on the property there is a slight increase in peak flows during the 2, 10, and 100-year design storms. With respect to Point 2 (Existing Inlet within Route 36), due to the demolition of the existing building on the site there is a decrease in peak flows during the 2, 10, and 100-year design storms. Due to the small increase in peak flows to Point 1 and decrease in peak flows Point 2 no adverse impacts to adjacent properties or existing off-site stormwater management system are anticipated.

**Flow Rate Comparison to Point 1
(Existing Swale)**

Design Storm	Existing Runoff (cfs)	Developed Runoff (cfs)	Change in Runoff/ Reduction Percentage
2 Year	9.46	9.76	+0.30 / (+3.1%)
10 Year	15.45	15.87	+0.42 / (+2.7%)
100 Year	27.34	28.01	+0.67 / (+2.4%)

**Flow Rate Comparison to Point 2
(Existing Inlet within Route 36)**

Design Storm	Existing Runoff (cfs)	Developed Runoff (cfs)	Change in Runoff/ Reduction Percentage
2 Year	4.59	4.36	-0.23 / (-5.0%)
10 Year	7.31	6.94	-0.37 / (-5.1%)
100 Year	12.70	12.08	-0.62 / (-4.9%)

APPENDICES

APPENDIX A

SOILS INFORMATION



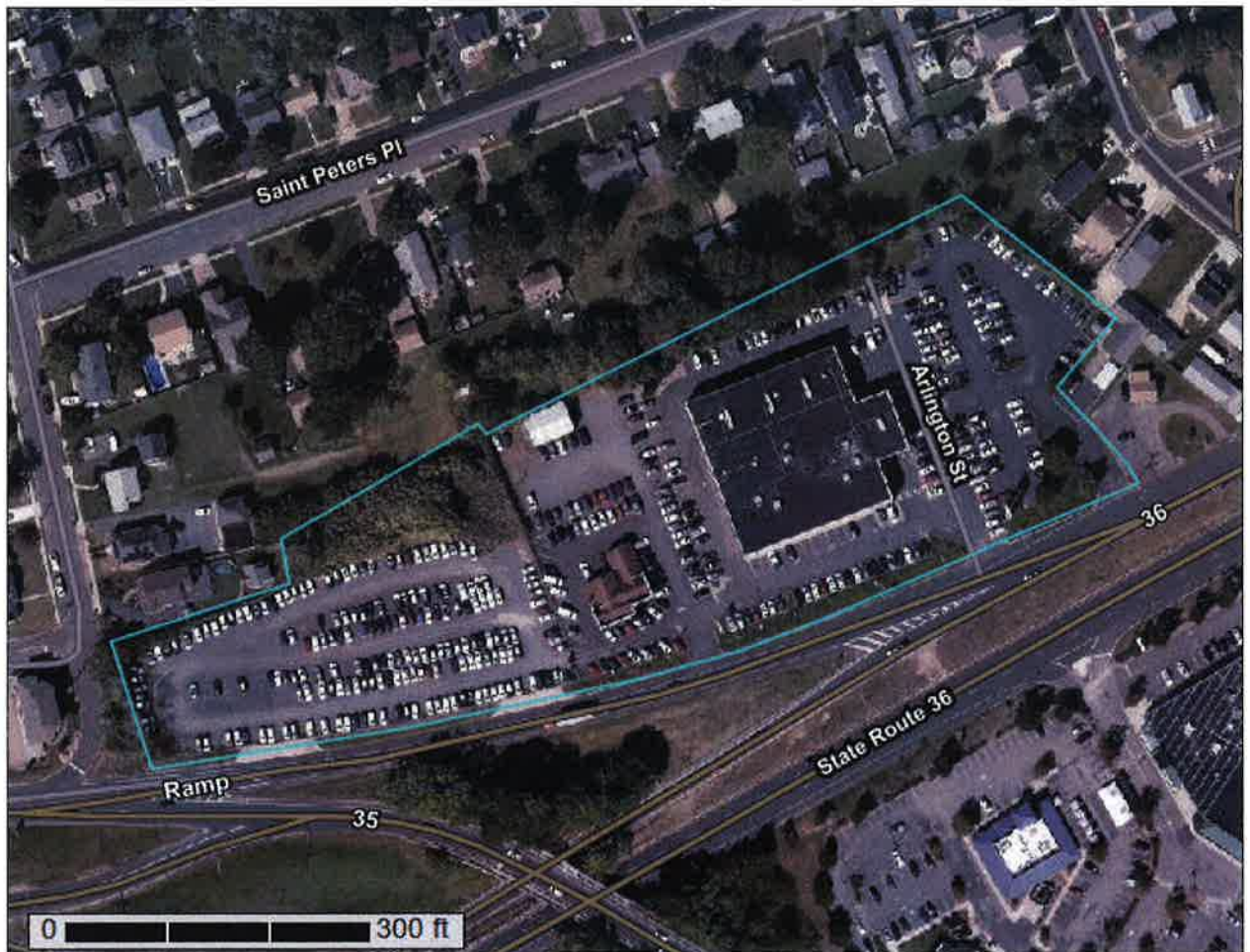
United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Monmouth County, New Jersey**



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

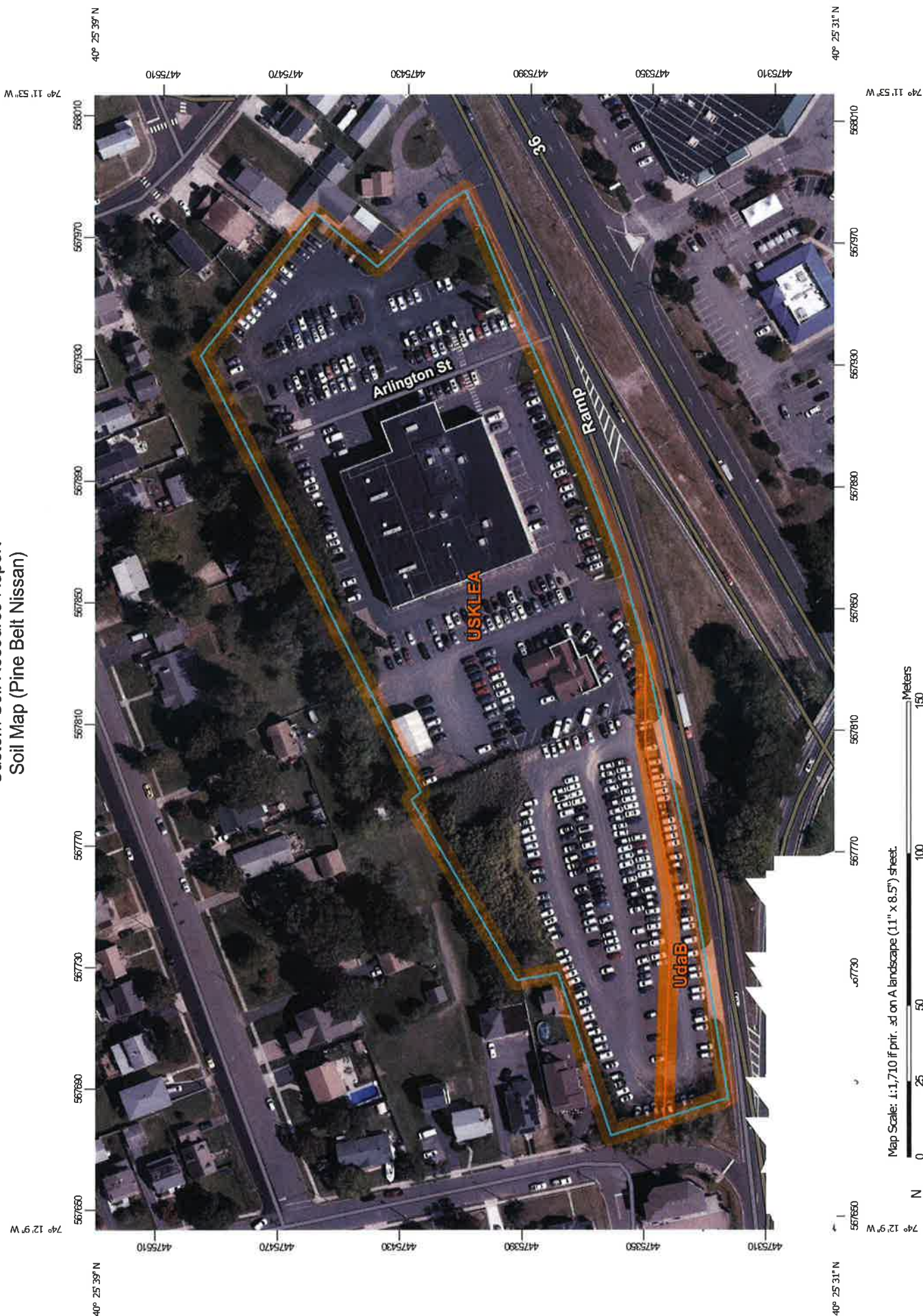
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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map (Pine Belt Nissan)



Map Scale: 1:1,710 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

Other Features

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Monmouth County, New Jersey
Survey Area Data: Version 15, Aug 31, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 14, 2020—Oct 8, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Pine Belt Nissan)

Map Unit Symbol	Map Unit Name	Acres In AOI	Percent of AOI
UdaB	Udorthents, 0 to 8 percent slopes	0.4	6.1%
USKLEA	Urban land-Klej complex, 0 to 2 percent slopes	5.7	93.9%
Totals for Area of Interest		6.1	100.0%

Map Unit Descriptions (Pine Belt Nissan)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

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onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Monmouth County, New Jersey

UdaB—Udorthents, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 1j1jk
Elevation: 400 to 1,500 feet
Mean annual precipitation: 30 to 64 inches
Mean annual air temperature: 46 to 79 degrees F
Frost-free period: 131 to 178 days
Farmland classification: Not prime farmland

Map Unit Composition

Udorthents and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Udorthents

Setting

Landform: Low hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fill and/or disturbed original soil material

Typical profile

A - 0 to 12 inches: loam
C - 12 to 72 inches: loamy sand

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: D
Hydric soil rating: No

USKLEA—Urban land-Klej complex, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2ywgr
Elevation: 0 to 70 feet

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Mean annual precipitation: 42 to 49 inches
Mean annual air temperature: 52 to 59 degrees F
Frost-free period: 190 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 55 percent
Klej and similar soils: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Flats
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Description of Klej

Setting

Landform: Broad interstream divides
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy fluviomarine deposits

Typical profile

Oi - 0 to 3 inches: slightly decomposed plant material
Oe - 3 to 4 inches: moderately decomposed plant material
A - 4 to 14 inches: loamy sand
Bw1 - 14 to 24 inches: loamy sand
Bw2 - 24 to 40 inches: loamy sand
C - 40 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: About 8 to 16 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 6.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

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Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: A/D

Hydric soil rating: No

Minor Components

Berryland, occasionally flooded

Percent of map unit: 5 percent

Landform: Depressions on flats, drainageways on flats, deflation flats on flats

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Talf, dip

Down-slope shape: Linear, concave

Across-slope shape: Linear, concave

Hydric soil rating: Yes

Atsion

Percent of map unit: 5 percent

Landform: Depressions on flats, drainageways on flats, deflation flats on flats

Landform position (two-dimensional): Toeslope, footslope

Landform position (three-dimensional): Talf, dip

Down-slope shape: Linear, concave

Across-slope shape: Linear, concave

Hydric soil rating: Yes

Hammonton

Percent of map unit: 5 percent

Landform: Flats, broad interstream divides

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

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Custom Soil Resource Report

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APPENDIX B

HYDROGRAPH ANALYSIS SUMMARY

APPENDIX B

HYDROGRAPH ANALYSIS SUMMARY



Ex. Area to Point 1



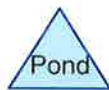
Prop. Area to Point 1



Ex. Area to Point 2



Prop. Area to Point 2



Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Summary for Subcatchment E-1: Ex. Area to Point 1

Runoff = 9.46 cfs @ 12.18 hrs, Volume= 39,249 cf, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 2-Year Rainfall=3.38"

Area (ac)	CN	Description
* 1.725	98	Impervious
0.184	80	>75% Grass cover, Good, HSG D
0.583	79	Woods/grass comb., Good, HSG D
1.538	96	Gravel surface, HSG D
4.030	94	Weighted Average
2.305		57.20% Pervious Area
1.725		42.80% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	150	0.0196	1.53		Sheet Flow, Segment 1: Sheet Flow Smooth surfaces n= 0.011 P2= 3.40"
0.2	63	0.0830	4.64		Shallow Concentrated Flow, Segment 2: Shallow Conc. Flow Unpaved Kv= 16.1 fps
1.1	140	0.0164	2.06		Shallow Concentrated Flow, Segment 3: Shallow Conc. Flow Unpaved Kv= 16.1 fps
5.3	533	0.0110	1.69		Shallow Concentrated Flow, Segment 4: Shallow Conc. Unpaved Kv= 16.1 fps
8.2	886	Total, Increased to minimum Tc = 10.0 min			

Pine Belt Nissan - Stormwater Analysis

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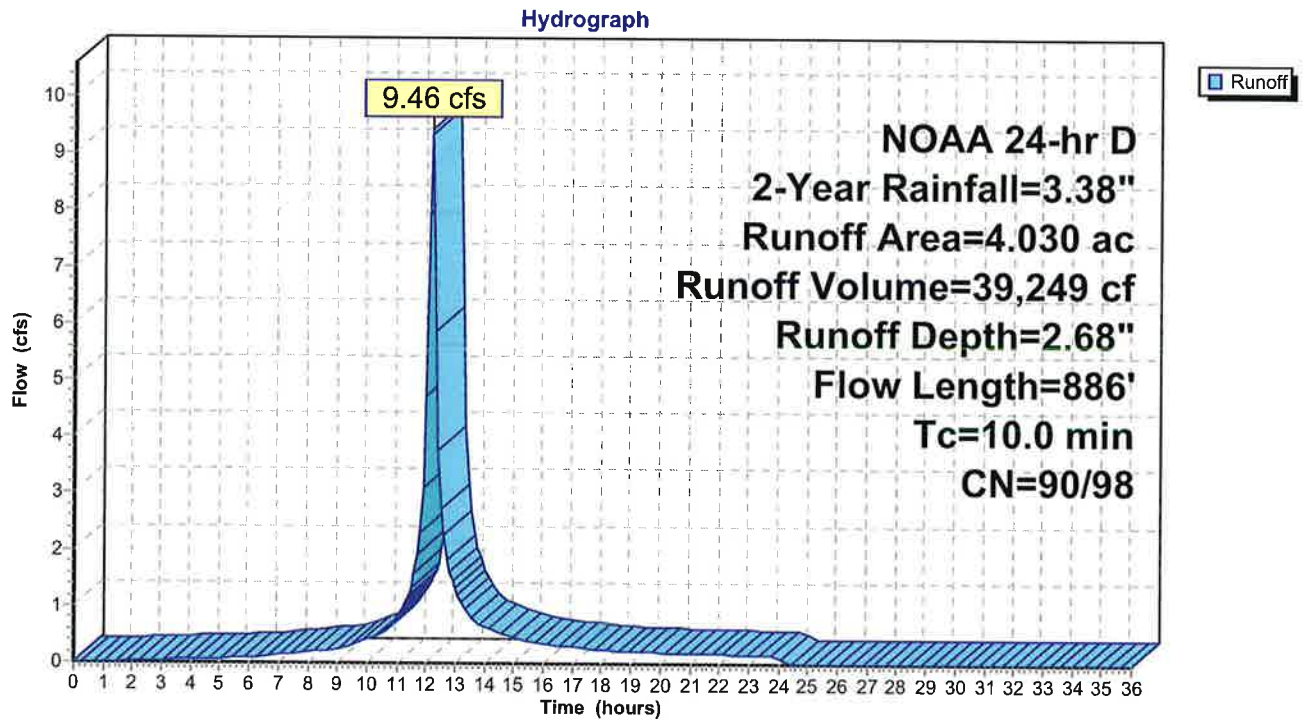
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Subcatchment E-1: Ex. Area to Point 1



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Hydrograph for Subcatchment E-1: Ex. Area to Point 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.00	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.01	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.02	0.00	0.00	0.00
0.60	0.02	0.00	0.00	0.00
0.70	0.03	0.00	0.00	0.00
0.80	0.03	0.00	0.00	0.00
0.90	0.03	0.00	0.00	0.00
1.00	0.04	0.00	0.00	0.00
1.10	0.04	0.00	0.00	0.00
1.20	0.05	0.00	0.00	0.00
1.30	0.05	0.00	0.00	0.00
1.40	0.06	0.00	0.00	0.01
1.50	0.06	0.00	0.00	0.01
1.60	0.06	0.00	0.00	0.01
1.70	0.07	0.00	0.00	0.01
1.80	0.07	0.00	0.00	0.02
1.90	0.08	0.00	0.01	0.02
2.00	0.08	0.00	0.01	0.02
2.10	0.09	0.00	0.01	0.02
2.20	0.09	0.00	0.01	0.02
2.30	0.09	0.00	0.01	0.03
2.40	0.10	0.00	0.01	0.03
2.50	0.10	0.00	0.01	0.03
2.60	0.11	0.00	0.02	0.03
2.70	0.11	0.00	0.02	0.03
2.80	0.12	0.00	0.02	0.04
2.90	0.12	0.00	0.02	0.04
3.00	0.13	0.00	0.03	0.04
3.10	0.13	0.00	0.03	0.04
3.20	0.14	0.00	0.03	0.04
3.30	0.14	0.00	0.03	0.04
3.40	0.15	0.00	0.04	0.05
3.50	0.15	0.00	0.04	0.05
3.60	0.16	0.00	0.04	0.05
3.70	0.16	0.00	0.05	0.05
3.80	0.17	0.00	0.05	0.05
3.90	0.17	0.00	0.05	0.05
4.00	0.18	0.00	0.05	0.06
4.10	0.18	0.00	0.06	0.06
4.20	0.19	0.00	0.06	0.06
4.30	0.19	0.00	0.07	0.06
4.40	0.20	0.00	0.07	0.06
4.50	0.20	0.00	0.07	0.06
4.60	0.21	0.00	0.08	0.06
4.70	0.21	0.00	0.08	0.07
4.80	0.22	0.00	0.08	0.07
4.90	0.23	0.00	0.09	0.07
5.00	0.23	0.00	0.09	0.07
5.10	0.24	0.00	0.10	0.07
5.20	0.24	0.00	0.10	0.07

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.25	0.00	0.10	0.08
5.40	0.25	0.00	0.11	0.08
5.50	0.26	0.00	0.11	0.08
5.60	0.27	0.00	0.12	0.08
5.70	0.27	0.00	0.12	0.09
5.80	0.28	0.00	0.13	0.09
5.90	0.28	0.00	0.13	0.09
6.00	0.29	0.00	0.14	0.09
6.10	0.29	0.00	0.14	0.10
6.20	0.30	0.01	0.15	0.10
6.30	0.31	0.01	0.15	0.10
6.40	0.31	0.01	0.16	0.11
6.50	0.32	0.01	0.16	0.11
6.60	0.33	0.01	0.17	0.12
6.70	0.33	0.01	0.17	0.12
6.80	0.34	0.01	0.18	0.13
6.90	0.35	0.01	0.19	0.13
7.00	0.36	0.01	0.19	0.14
7.10	0.36	0.02	0.20	0.14
7.20	0.37	0.02	0.20	0.15
7.30	0.38	0.02	0.21	0.15
7.40	0.39	0.02	0.22	0.16
7.50	0.40	0.02	0.23	0.16
7.60	0.40	0.03	0.23	0.17
7.70	0.41	0.03	0.24	0.18
7.80	0.42	0.03	0.25	0.18
7.90	0.43	0.03	0.26	0.19
8.00	0.44	0.04	0.26	0.19
8.10	0.45	0.04	0.27	0.20
8.20	0.46	0.04	0.28	0.20
8.30	0.47	0.04	0.29	0.21
8.40	0.48	0.05	0.30	0.22
8.50	0.49	0.05	0.30	0.22
8.60	0.50	0.05	0.31	0.23
8.70	0.51	0.06	0.32	0.23
8.80	0.52	0.06	0.33	0.24
8.90	0.53	0.07	0.34	0.25
9.00	0.54	0.07	0.35	0.25
9.10	0.55	0.07	0.36	0.26
9.20	0.56	0.08	0.37	0.28
9.30	0.57	0.08	0.38	0.29
9.40	0.58	0.09	0.39	0.31
9.50	0.60	0.09	0.41	0.33
9.60	0.61	0.10	0.42	0.34
9.70	0.62	0.11	0.43	0.36
9.80	0.64	0.11	0.45	0.38
9.90	0.65	0.12	0.46	0.40
10.00	0.67	0.13	0.48	0.42
10.10	0.69	0.14	0.49	0.44
10.20	0.70	0.15	0.51	0.45
10.30	0.72	0.15	0.52	0.47
10.40	0.74	0.16	0.54	0.49
10.50	0.76	0.17	0.56	0.51

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	0.78	0.18	0.58	0.55
10.70	0.80	0.20	0.60	0.60
10.80	0.82	0.21	0.62	0.66
10.90	0.85	0.23	0.65	0.73
11.00	0.88	0.24	0.67	0.79
11.10	0.91	0.26	0.70	0.87
11.20	0.95	0.29	0.74	0.98
11.30	0.98	0.31	0.78	1.10
11.40	1.03	0.34	0.82	1.22
11.50	1.07	0.37	0.86	1.34
11.60	1.13	0.41	0.92	1.57
11.70	1.20	0.46	0.98	1.92
11.80	1.29	0.52	1.07	2.30
11.90	1.41	0.61	1.19	3.10
12.00	1.62	0.78	1.40	4.72
12.10	1.97	1.07	1.75	7.94
12.20	2.09	1.18	1.87	9.35
12.30	2.18	1.25	1.96	5.87
12.40	2.25	1.31	2.02	3.74
12.50	2.31	1.36	2.08	2.75
12.60	2.35	1.40	2.13	2.26
12.70	2.40	1.44	2.17	1.84
12.80	2.43	1.47	2.21	1.62
12.90	2.47	1.50	2.24	1.47
13.00	2.50	1.53	2.27	1.34
13.10	2.53	1.56	2.30	1.21
13.20	2.56	1.58	2.33	1.09
13.30	2.58	1.60	2.35	1.01
13.40	2.60	1.62	2.37	0.93
13.50	2.62	1.64	2.39	0.86
13.60	2.64	1.66	2.41	0.78
13.70	2.66	1.67	2.43	0.72
13.80	2.68	1.69	2.45	0.69
13.90	2.69	1.70	2.46	0.67
14.00	2.71	1.72	2.48	0.65
14.10	2.73	1.73	2.50	0.63
14.20	2.74	1.75	2.51	0.61
14.30	2.76	1.76	2.53	0.59
14.40	2.77	1.77	2.54	0.57
14.50	2.78	1.79	2.55	0.55
14.60	2.80	1.80	2.57	0.53
14.70	2.81	1.81	2.58	0.50
14.80	2.82	1.82	2.59	0.48
14.90	2.83	1.83	2.60	0.46
15.00	2.84	1.84	2.61	0.44
15.10	2.85	1.85	2.62	0.42
15.20	2.86	1.86	2.63	0.41
15.30	2.87	1.87	2.64	0.40
15.40	2.88	1.88	2.65	0.39
15.50	2.89	1.89	2.66	0.39
15.60	2.90	1.90	2.67	0.38
15.70	2.91	1.91	2.68	0.37
15.80	2.92	1.91	2.69	0.37

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	2.93	1.92	2.70	0.36
16.00	2.94	1.93	2.71	0.36
16.10	2.95	1.94	2.72	0.35
16.20	2.96	1.95	2.73	0.35
16.30	2.97	1.95	2.74	0.34
16.40	2.98	1.96	2.74	0.33
16.50	2.98	1.97	2.75	0.33
16.60	2.99	1.98	2.76	0.32
16.70	3.00	1.98	2.77	0.32
16.80	3.01	1.99	2.78	0.31
16.90	3.02	2.00	2.78	0.31
17.00	3.02	2.01	2.79	0.30
17.10	3.03	2.01	2.80	0.29
17.20	3.04	2.02	2.81	0.29
17.30	3.05	2.03	2.81	0.28
17.40	3.05	2.03	2.82	0.28
17.50	3.06	2.04	2.83	0.27
17.60	3.07	2.05	2.83	0.26
17.70	3.07	2.05	2.84	0.26
17.80	3.08	2.06	2.85	0.25
17.90	3.09	2.06	2.85	0.25
18.00	3.09	2.07	2.86	0.24
18.10	3.10	2.07	2.87	0.24
18.20	3.10	2.08	2.87	0.23
18.30	3.11	2.08	2.88	0.23
18.40	3.11	2.09	2.88	0.23
18.50	3.12	2.10	2.89	0.23
18.60	3.13	2.10	2.89	0.22
18.70	3.13	2.11	2.90	0.22
18.80	3.14	2.11	2.91	0.22
18.90	3.14	2.12	2.91	0.22
19.00	3.15	2.12	2.92	0.22
19.10	3.15	2.13	2.92	0.22
19.20	3.16	2.13	2.93	0.22
19.30	3.17	2.14	2.93	0.21
19.40	3.17	2.14	2.94	0.21
19.50	3.18	2.15	2.94	0.21
19.60	3.18	2.15	2.95	0.21
19.70	3.19	2.16	2.95	0.21
19.80	3.19	2.16	2.96	0.21
19.90	3.20	2.17	2.96	0.21
20.00	3.20	2.17	2.97	0.20
20.10	3.21	2.18	2.98	0.20
20.20	3.21	2.18	2.98	0.20
20.30	3.22	2.19	2.99	0.20
20.40	3.22	2.19	2.99	0.20
20.50	3.23	2.19	3.00	0.20
20.60	3.23	2.20	3.00	0.20
20.70	3.24	2.20	3.01	0.19
20.80	3.24	2.21	3.01	0.19
20.90	3.25	2.21	3.02	0.19
21.00	3.25	2.22	3.02	0.19
21.10	3.26	2.22	3.02	0.19

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	3.26	2.23	3.03	0.19
21.30	3.27	2.23	3.03	0.18
21.40	3.27	2.24	3.04	0.18
21.50	3.28	2.24	3.04	0.18
21.60	3.28	2.24	3.05	0.18
21.70	3.29	2.25	3.05	0.18
21.80	3.29	2.25	3.06	0.18
21.90	3.29	2.26	3.06	0.18
22.00	3.30	2.26	3.07	0.18
22.10	3.30	2.26	3.07	0.17
22.20	3.31	2.27	3.07	0.17
22.30	3.31	2.27	3.08	0.17
22.40	3.32	2.28	3.08	0.17
22.50	3.32	2.28	3.09	0.17
22.60	3.32	2.28	3.09	0.17
22.70	3.33	2.29	3.10	0.16
22.80	3.33	2.29	3.10	0.16
22.90	3.34	2.30	3.10	0.16
23.00	3.34	2.30	3.11	0.16
23.10	3.35	2.30	3.11	0.16
23.20	3.35	2.31	3.12	0.16
23.30	3.35	2.31	3.12	0.16
23.40	3.36	2.31	3.12	0.15
23.50	3.36	2.32	3.13	0.15
23.60	3.36	2.32	3.13	0.15
23.70	3.37	2.33	3.14	0.15
23.80	3.37	2.33	3.14	0.15
23.90	3.38	2.33	3.14	0.15
24.00	3.38	2.34	3.15	0.15
24.10	3.38	2.34	3.15	0.11
24.20	3.38	2.34	3.15	0.03
24.30	3.38	2.34	3.15	0.01
24.40	3.38	2.34	3.15	0.00
24.50	3.38	2.34	3.15	0.00
24.60	3.38	2.34	3.15	0.00
24.70	3.38	2.34	3.15	0.00
24.80	3.38	2.34	3.15	0.00
24.90	3.38	2.34	3.15	0.00
25.00	3.38	2.34	3.15	0.00
25.10	3.38	2.34	3.15	0.00
25.20	3.38	2.34	3.15	0.00
25.30	3.38	2.34	3.15	0.00
25.40	3.38	2.34	3.15	0.00
25.50	3.38	2.34	3.15	0.00
25.60	3.38	2.34	3.15	0.00
25.70	3.38	2.34	3.15	0.00
25.80	3.38	2.34	3.15	0.00
25.90	3.38	2.34	3.15	0.00
26.00	3.38	2.34	3.15	0.00
26.10	3.38	2.34	3.15	0.00
26.20	3.38	2.34	3.15	0.00
26.30	3.38	2.34	3.15	0.00
26.40	3.38	2.34	3.15	0.00

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	3.38	2.34	3.15	0.00
26.60	3.38	2.34	3.15	0.00
26.70	3.38	2.34	3.15	0.00
26.80	3.38	2.34	3.15	0.00
26.90	3.38	2.34	3.15	0.00
27.00	3.38	2.34	3.15	0.00
27.10	3.38	2.34	3.15	0.00
27.20	3.38	2.34	3.15	0.00
27.30	3.38	2.34	3.15	0.00
27.40	3.38	2.34	3.15	0.00
27.50	3.38	2.34	3.15	0.00
27.60	3.38	2.34	3.15	0.00
27.70	3.38	2.34	3.15	0.00
27.80	3.38	2.34	3.15	0.00
27.90	3.38	2.34	3.15	0.00
28.00	3.38	2.34	3.15	0.00
28.10	3.38	2.34	3.15	0.00
28.20	3.38	2.34	3.15	0.00
28.30	3.38	2.34	3.15	0.00
28.40	3.38	2.34	3.15	0.00
28.50	3.38	2.34	3.15	0.00
28.60	3.38	2.34	3.15	0.00
28.70	3.38	2.34	3.15	0.00
28.80	3.38	2.34	3.15	0.00
28.90	3.38	2.34	3.15	0.00
29.00	3.38	2.34	3.15	0.00
29.10	3.38	2.34	3.15	0.00
29.20	3.38	2.34	3.15	0.00
29.30	3.38	2.34	3.15	0.00
29.40	3.38	2.34	3.15	0.00
29.50	3.38	2.34	3.15	0.00
29.60	3.38	2.34	3.15	0.00
29.70	3.38	2.34	3.15	0.00
29.80	3.38	2.34	3.15	0.00
29.90	3.38	2.34	3.15	0.00
30.00	3.38	2.34	3.15	0.00
30.10	3.38	2.34	3.15	0.00
30.20	3.38	2.34	3.15	0.00
30.30	3.38	2.34	3.15	0.00
30.40	3.38	2.34	3.15	0.00
30.50	3.38	2.34	3.15	0.00
30.60	3.38	2.34	3.15	0.00
30.70	3.38	2.34	3.15	0.00
30.80	3.38	2.34	3.15	0.00
30.90	3.38	2.34	3.15	0.00
31.00	3.38	2.34	3.15	0.00
31.10	3.38	2.34	3.15	0.00
31.20	3.38	2.34	3.15	0.00
31.30	3.38	2.34	3.15	0.00
31.40	3.38	2.34	3.15	0.00
31.50	3.38	2.34	3.15	0.00
31.60	3.38	2.34	3.15	0.00
31.70	3.38	2.34	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	3.38	2.34	3.15	0.00
31.90	3.38	2.34	3.15	0.00
32.00	3.38	2.34	3.15	0.00
32.10	3.38	2.34	3.15	0.00
32.20	3.38	2.34	3.15	0.00
32.30	3.38	2.34	3.15	0.00
32.40	3.38	2.34	3.15	0.00
32.50	3.38	2.34	3.15	0.00
32.60	3.38	2.34	3.15	0.00
32.70	3.38	2.34	3.15	0.00
32.80	3.38	2.34	3.15	0.00
32.90	3.38	2.34	3.15	0.00
33.00	3.38	2.34	3.15	0.00
33.10	3.38	2.34	3.15	0.00
33.20	3.38	2.34	3.15	0.00
33.30	3.38	2.34	3.15	0.00
33.40	3.38	2.34	3.15	0.00
33.50	3.38	2.34	3.15	0.00
33.60	3.38	2.34	3.15	0.00
33.70	3.38	2.34	3.15	0.00
33.80	3.38	2.34	3.15	0.00
33.90	3.38	2.34	3.15	0.00
34.00	3.38	2.34	3.15	0.00
34.10	3.38	2.34	3.15	0.00
34.20	3.38	2.34	3.15	0.00
34.30	3.38	2.34	3.15	0.00
34.40	3.38	2.34	3.15	0.00
34.50	3.38	2.34	3.15	0.00
34.60	3.38	2.34	3.15	0.00
34.70	3.38	2.34	3.15	0.00
34.80	3.38	2.34	3.15	0.00
34.90	3.38	2.34	3.15	0.00
35.00	3.38	2.34	3.15	0.00
35.10	3.38	2.34	3.15	0.00
35.20	3.38	2.34	3.15	0.00
35.30	3.38	2.34	3.15	0.00
35.40	3.38	2.34	3.15	0.00
35.50	3.38	2.34	3.15	0.00
35.60	3.38	2.34	3.15	0.00
35.70	3.38	2.34	3.15	0.00
35.80	3.38	2.34	3.15	0.00
35.90	3.38	2.34	3.15	0.00
36.00	3.38	2.34	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

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Summary for Subcatchment E-2: Ex. Area to Point 2

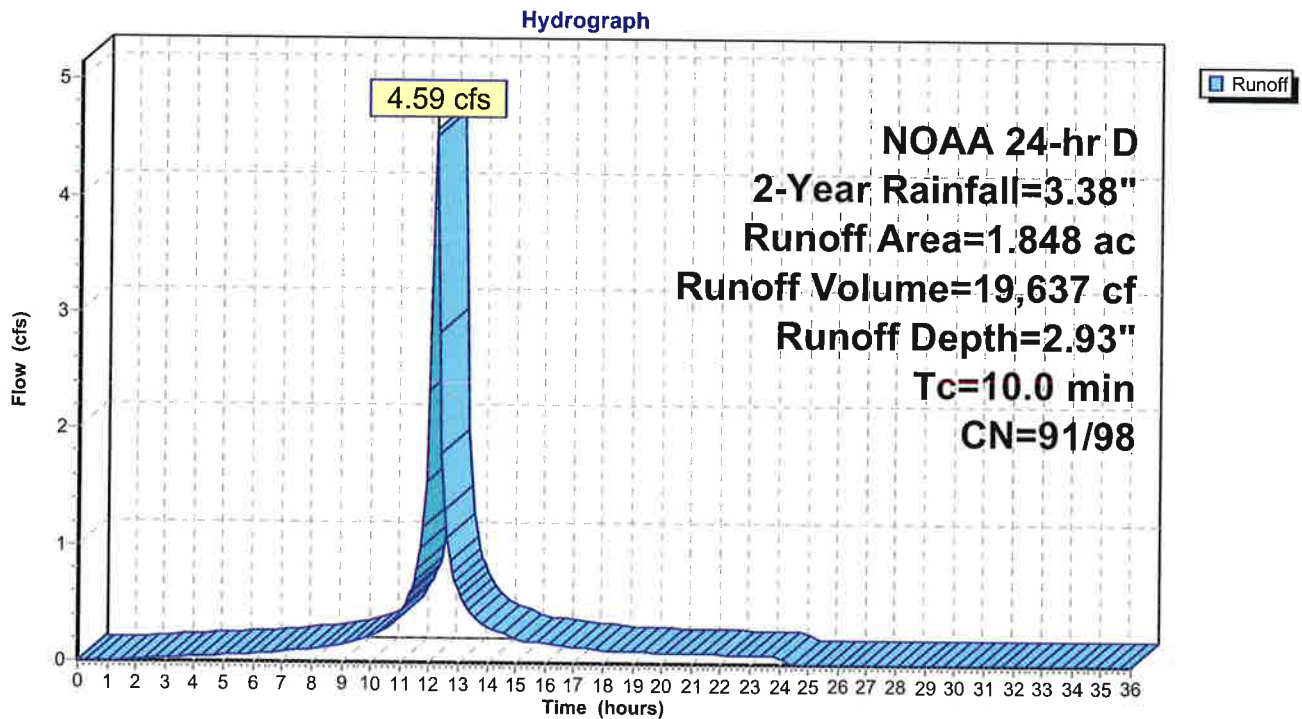
Runoff = 4.59 cfs @ 12.18 hrs, Volume= 19,637 cf, Depth= 2.93"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 2-Year Rainfall=3.38"

Area (ac)	CN	Description
* 1.284	98	Impervious
0.402	96	Gravel surface, HSG D
0.162	80	>75% Grass cover, Good, HSG D
1.848	96	Weighted Average
0.564		30.52% Pervious Area
1.284		69.48% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Direct Entry

Subcatchment E-2: Ex. Area to Point 2



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Hydrograph for Subcatchment E-2: Ex. Area to Point 2

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.00	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.01	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.02	0.00	0.00	0.00
0.60	0.02	0.00	0.00	0.00
0.70	0.03	0.00	0.00	0.00
0.80	0.03	0.00	0.00	0.00
0.90	0.03	0.00	0.00	0.00
1.00	0.04	0.00	0.00	0.00
1.10	0.04	0.00	0.00	0.00
1.20	0.05	0.00	0.00	0.00
1.30	0.05	0.00	0.00	0.00
1.40	0.06	0.00	0.00	0.00
1.50	0.06	0.00	0.00	0.01
1.60	0.06	0.00	0.00	0.01
1.70	0.07	0.00	0.00	0.01
1.80	0.07	0.00	0.00	0.01
1.90	0.08	0.00	0.01	0.01
2.00	0.08	0.00	0.01	0.01
2.10	0.09	0.00	0.01	0.02
2.20	0.09	0.00	0.01	0.02
2.30	0.09	0.00	0.01	0.02
2.40	0.10	0.00	0.01	0.02
2.50	0.10	0.00	0.01	0.02
2.60	0.11	0.00	0.02	0.02
2.70	0.11	0.00	0.02	0.03
2.80	0.12	0.00	0.02	0.03
2.90	0.12	0.00	0.02	0.03
3.00	0.13	0.00	0.03	0.03
3.10	0.13	0.00	0.03	0.03
3.20	0.14	0.00	0.03	0.03
3.30	0.14	0.00	0.03	0.03
3.40	0.15	0.00	0.04	0.03
3.50	0.15	0.00	0.04	0.04
3.60	0.16	0.00	0.04	0.04
3.70	0.16	0.00	0.05	0.04
3.80	0.17	0.00	0.05	0.04
3.90	0.17	0.00	0.05	0.04
4.00	0.18	0.00	0.05	0.04
4.10	0.18	0.00	0.06	0.04
4.20	0.19	0.00	0.06	0.04
4.30	0.19	0.00	0.07	0.04
4.40	0.20	0.00	0.07	0.05
4.50	0.20	0.00	0.07	0.05
4.60	0.21	0.00	0.08	0.05
4.70	0.21	0.00	0.08	0.05
4.80	0.22	0.00	0.08	0.05
4.90	0.23	0.00	0.09	0.05
5.00	0.23	0.00	0.09	0.05
5.10	0.24	0.00	0.10	0.05
5.20	0.24	0.00	0.10	0.06

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.25	0.00	0.10	0.06
5.40	0.25	0.00	0.11	0.06
5.50	0.26	0.00	0.11	0.06
5.60	0.27	0.00	0.12	0.06
5.70	0.27	0.01	0.12	0.06
5.80	0.28	0.01	0.13	0.06
5.90	0.28	0.01	0.13	0.06
6.00	0.29	0.01	0.14	0.06
6.10	0.29	0.01	0.14	0.07
6.20	0.30	0.01	0.15	0.07
6.30	0.31	0.01	0.15	0.07
6.40	0.31	0.01	0.16	0.07
6.50	0.32	0.01	0.16	0.08
6.60	0.33	0.01	0.17	0.08
6.70	0.33	0.02	0.17	0.08
6.80	0.34	0.02	0.18	0.08
6.90	0.35	0.02	0.19	0.09
7.00	0.36	0.02	0.19	0.09
7.10	0.36	0.02	0.20	0.09
7.20	0.37	0.03	0.20	0.09
7.30	0.38	0.03	0.21	0.10
7.40	0.39	0.03	0.22	0.10
7.50	0.40	0.03	0.23	0.10
7.60	0.40	0.04	0.23	0.11
7.70	0.41	0.04	0.24	0.11
7.80	0.42	0.04	0.25	0.11
7.90	0.43	0.04	0.26	0.11
8.00	0.44	0.05	0.26	0.12
8.10	0.45	0.05	0.27	0.12
8.20	0.46	0.05	0.28	0.12
8.30	0.47	0.06	0.29	0.13
8.40	0.48	0.06	0.30	0.13
8.50	0.49	0.06	0.30	0.13
8.60	0.50	0.07	0.31	0.13
8.70	0.51	0.07	0.32	0.14
8.80	0.52	0.08	0.33	0.14
8.90	0.53	0.08	0.34	0.14
9.00	0.54	0.09	0.35	0.15
9.10	0.55	0.09	0.36	0.15
9.20	0.56	0.10	0.37	0.16
9.30	0.57	0.10	0.38	0.17
9.40	0.58	0.11	0.39	0.18
9.50	0.60	0.11	0.41	0.18
9.60	0.61	0.12	0.42	0.19
9.70	0.62	0.13	0.43	0.20
9.80	0.64	0.14	0.45	0.21
9.90	0.65	0.14	0.46	0.22
10.00	0.67	0.15	0.48	0.23
10.10	0.69	0.16	0.49	0.24
10.20	0.70	0.17	0.51	0.25
10.30	0.72	0.18	0.52	0.26
10.40	0.74	0.19	0.54	0.27
10.50	0.76	0.20	0.56	0.28

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	0.78	0.21	0.58	0.29
10.70	0.80	0.23	0.60	0.32
10.80	0.82	0.24	0.62	0.35
10.90	0.85	0.26	0.65	0.39
11.00	0.88	0.28	0.67	0.42
11.10	0.91	0.30	0.70	0.46
11.20	0.95	0.32	0.74	0.51
11.30	0.98	0.35	0.78	0.57
11.40	1.03	0.38	0.82	0.63
11.50	1.07	0.41	0.86	0.69
11.60	1.13	0.45	0.92	0.80
11.70	1.20	0.50	0.98	0.97
11.80	1.29	0.57	1.07	1.16
11.90	1.41	0.67	1.19	1.55
12.00	1.62	0.84	1.40	2.34
12.10	1.97	1.14	1.75	3.89
12.20	2.09	1.25	1.87	4.53
12.30	2.18	1.33	1.96	2.83
12.40	2.25	1.38	2.02	1.80
12.50	2.31	1.44	2.08	1.31
12.60	2.35	1.48	2.13	1.08
12.70	2.40	1.52	2.17	0.88
12.80	2.43	1.55	2.21	0.77
12.90	2.47	1.58	2.24	0.70
13.00	2.50	1.61	2.27	0.64
13.10	2.53	1.64	2.30	0.57
13.20	2.56	1.66	2.33	0.52
13.30	2.58	1.68	2.35	0.48
13.40	2.60	1.70	2.37	0.44
13.50	2.62	1.72	2.39	0.41
13.60	2.64	1.74	2.41	0.37
13.70	2.66	1.76	2.43	0.34
13.80	2.68	1.77	2.45	0.33
13.90	2.69	1.79	2.46	0.32
14.00	2.71	1.80	2.48	0.31
14.10	2.73	1.82	2.50	0.30
14.20	2.74	1.83	2.51	0.29
14.30	2.76	1.84	2.53	0.28
14.40	2.77	1.86	2.54	0.27
14.50	2.78	1.87	2.55	0.26
14.60	2.80	1.88	2.57	0.25
14.70	2.81	1.89	2.58	0.24
14.80	2.82	1.91	2.59	0.23
14.90	2.83	1.92	2.60	0.22
15.00	2.84	1.93	2.61	0.21
15.10	2.85	1.94	2.62	0.20
15.20	2.86	1.95	2.63	0.19
15.30	2.87	1.95	2.64	0.19
15.40	2.88	1.96	2.65	0.18
15.50	2.89	1.97	2.66	0.18
15.60	2.90	1.98	2.67	0.18
15.70	2.91	1.99	2.68	0.18
15.80	2.92	2.00	2.69	0.17

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	2.93	2.01	2.70	0.17
16.00	2.94	2.02	2.71	0.17
16.10	2.95	2.02	2.72	0.17
16.20	2.96	2.03	2.73	0.16
16.30	2.97	2.04	2.74	0.16
16.40	2.98	2.05	2.74	0.16
16.50	2.98	2.06	2.75	0.15
16.60	2.99	2.06	2.76	0.15
16.70	3.00	2.07	2.77	0.15
16.80	3.01	2.08	2.78	0.15
16.90	3.02	2.09	2.78	0.14
17.00	3.02	2.09	2.79	0.14
17.10	3.03	2.10	2.80	0.14
17.20	3.04	2.11	2.81	0.14
17.30	3.05	2.11	2.81	0.13
17.40	3.05	2.12	2.82	0.13
17.50	3.06	2.13	2.83	0.13
17.60	3.07	2.13	2.83	0.12
17.70	3.07	2.14	2.84	0.12
17.80	3.08	2.15	2.85	0.12
17.90	3.09	2.15	2.85	0.12
18.00	3.09	2.16	2.86	0.11
18.10	3.10	2.16	2.87	0.11
18.20	3.10	2.17	2.87	0.11
18.30	3.11	2.17	2.88	0.11
18.40	3.11	2.18	2.88	0.11
18.50	3.12	2.18	2.89	0.11
18.60	3.13	2.19	2.89	0.11
18.70	3.13	2.19	2.90	0.10
18.80	3.14	2.20	2.91	0.10
18.90	3.14	2.21	2.91	0.10
19.00	3.15	2.21	2.92	0.10
19.10	3.15	2.22	2.92	0.10
19.20	3.16	2.22	2.93	0.10
19.30	3.17	2.23	2.93	0.10
19.40	3.17	2.23	2.94	0.10
19.50	3.18	2.24	2.94	0.10
19.60	3.18	2.24	2.95	0.10
19.70	3.19	2.25	2.95	0.10
19.80	3.19	2.25	2.96	0.10
19.90	3.20	2.26	2.96	0.10
20.00	3.20	2.26	2.97	0.10
20.10	3.21	2.27	2.98	0.09
20.20	3.21	2.27	2.98	0.09
20.30	3.22	2.28	2.99	0.09
20.40	3.22	2.28	2.99	0.09
20.50	3.23	2.28	3.00	0.09
20.60	3.23	2.29	3.00	0.09
20.70	3.24	2.29	3.01	0.09
20.80	3.24	2.30	3.01	0.09
20.90	3.25	2.30	3.02	0.09
21.00	3.25	2.31	3.02	0.09
21.10	3.26	2.31	3.02	0.09

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	3.26	2.32	3.03	0.09
21.30	3.27	2.32	3.03	0.09
21.40	3.27	2.33	3.04	0.09
21.50	3.28	2.33	3.04	0.09
21.60	3.28	2.33	3.05	0.08
21.70	3.29	2.34	3.05	0.08
21.80	3.29	2.34	3.06	0.08
21.90	3.29	2.35	3.06	0.08
22.00	3.30	2.35	3.07	0.08
22.10	3.30	2.36	3.07	0.08
22.20	3.31	2.36	3.07	0.08
22.30	3.31	2.36	3.08	0.08
22.40	3.32	2.37	3.08	0.08
22.50	3.32	2.37	3.09	0.08
22.60	3.32	2.38	3.09	0.08
22.70	3.33	2.38	3.10	0.08
22.80	3.33	2.38	3.10	0.08
22.90	3.34	2.39	3.10	0.08
23.00	3.34	2.39	3.11	0.08
23.10	3.35	2.40	3.11	0.07
23.20	3.35	2.40	3.12	0.07
23.30	3.35	2.40	3.12	0.07
23.40	3.36	2.41	3.12	0.07
23.50	3.36	2.41	3.13	0.07
23.60	3.36	2.41	3.13	0.07
23.70	3.37	2.42	3.14	0.07
23.80	3.37	2.42	3.14	0.07
23.90	3.38	2.42	3.14	0.07
24.00	3.38	2.43	3.15	0.07
24.10	3.38	2.43	3.15	0.05
24.20	3.38	2.43	3.15	0.02
24.30	3.38	2.43	3.15	0.00
24.40	3.38	2.43	3.15	0.00
24.50	3.38	2.43	3.15	0.00
24.60	3.38	2.43	3.15	0.00
24.70	3.38	2.43	3.15	0.00
24.80	3.38	2.43	3.15	0.00
24.90	3.38	2.43	3.15	0.00
25.00	3.38	2.43	3.15	0.00
25.10	3.38	2.43	3.15	0.00
25.20	3.38	2.43	3.15	0.00
25.30	3.38	2.43	3.15	0.00
25.40	3.38	2.43	3.15	0.00
25.50	3.38	2.43	3.15	0.00
25.60	3.38	2.43	3.15	0.00
25.70	3.38	2.43	3.15	0.00
25.80	3.38	2.43	3.15	0.00
25.90	3.38	2.43	3.15	0.00
26.00	3.38	2.43	3.15	0.00
26.10	3.38	2.43	3.15	0.00
26.20	3.38	2.43	3.15	0.00
26.30	3.38	2.43	3.15	0.00
26.40	3.38	2.43	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	3.38	2.43	3.15	0.00
26.60	3.38	2.43	3.15	0.00
26.70	3.38	2.43	3.15	0.00
26.80	3.38	2.43	3.15	0.00
26.90	3.38	2.43	3.15	0.00
27.00	3.38	2.43	3.15	0.00
27.10	3.38	2.43	3.15	0.00
27.20	3.38	2.43	3.15	0.00
27.30	3.38	2.43	3.15	0.00
27.40	3.38	2.43	3.15	0.00
27.50	3.38	2.43	3.15	0.00
27.60	3.38	2.43	3.15	0.00
27.70	3.38	2.43	3.15	0.00
27.80	3.38	2.43	3.15	0.00
27.90	3.38	2.43	3.15	0.00
28.00	3.38	2.43	3.15	0.00
28.10	3.38	2.43	3.15	0.00
28.20	3.38	2.43	3.15	0.00
28.30	3.38	2.43	3.15	0.00
28.40	3.38	2.43	3.15	0.00
28.50	3.38	2.43	3.15	0.00
28.60	3.38	2.43	3.15	0.00
28.70	3.38	2.43	3.15	0.00
28.80	3.38	2.43	3.15	0.00
28.90	3.38	2.43	3.15	0.00
29.00	3.38	2.43	3.15	0.00
29.10	3.38	2.43	3.15	0.00
29.20	3.38	2.43	3.15	0.00
29.30	3.38	2.43	3.15	0.00
29.40	3.38	2.43	3.15	0.00
29.50	3.38	2.43	3.15	0.00
29.60	3.38	2.43	3.15	0.00
29.70	3.38	2.43	3.15	0.00
29.80	3.38	2.43	3.15	0.00
29.90	3.38	2.43	3.15	0.00
30.00	3.38	2.43	3.15	0.00
30.10	3.38	2.43	3.15	0.00
30.20	3.38	2.43	3.15	0.00
30.30	3.38	2.43	3.15	0.00
30.40	3.38	2.43	3.15	0.00
30.50	3.38	2.43	3.15	0.00
30.60	3.38	2.43	3.15	0.00
30.70	3.38	2.43	3.15	0.00
30.80	3.38	2.43	3.15	0.00
30.90	3.38	2.43	3.15	0.00
31.00	3.38	2.43	3.15	0.00
31.10	3.38	2.43	3.15	0.00
31.20	3.38	2.43	3.15	0.00
31.30	3.38	2.43	3.15	0.00
31.40	3.38	2.43	3.15	0.00
31.50	3.38	2.43	3.15	0.00
31.60	3.38	2.43	3.15	0.00
31.70	3.38	2.43	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	3.38	2.43	3.15	0.00
31.90	3.38	2.43	3.15	0.00
32.00	3.38	2.43	3.15	0.00
32.10	3.38	2.43	3.15	0.00
32.20	3.38	2.43	3.15	0.00
32.30	3.38	2.43	3.15	0.00
32.40	3.38	2.43	3.15	0.00
32.50	3.38	2.43	3.15	0.00
32.60	3.38	2.43	3.15	0.00
32.70	3.38	2.43	3.15	0.00
32.80	3.38	2.43	3.15	0.00
32.90	3.38	2.43	3.15	0.00
33.00	3.38	2.43	3.15	0.00
33.10	3.38	2.43	3.15	0.00
33.20	3.38	2.43	3.15	0.00
33.30	3.38	2.43	3.15	0.00
33.40	3.38	2.43	3.15	0.00
33.50	3.38	2.43	3.15	0.00
33.60	3.38	2.43	3.15	0.00
33.70	3.38	2.43	3.15	0.00
33.80	3.38	2.43	3.15	0.00
33.90	3.38	2.43	3.15	0.00
34.00	3.38	2.43	3.15	0.00
34.10	3.38	2.43	3.15	0.00
34.20	3.38	2.43	3.15	0.00
34.30	3.38	2.43	3.15	0.00
34.40	3.38	2.43	3.15	0.00
34.50	3.38	2.43	3.15	0.00
34.60	3.38	2.43	3.15	0.00
34.70	3.38	2.43	3.15	0.00
34.80	3.38	2.43	3.15	0.00
34.90	3.38	2.43	3.15	0.00
35.00	3.38	2.43	3.15	0.00
35.10	3.38	2.43	3.15	0.00
35.20	3.38	2.43	3.15	0.00
35.30	3.38	2.43	3.15	0.00
35.40	3.38	2.43	3.15	0.00
35.50	3.38	2.43	3.15	0.00
35.60	3.38	2.43	3.15	0.00
35.70	3.38	2.43	3.15	0.00
35.80	3.38	2.43	3.15	0.00
35.90	3.38	2.43	3.15	0.00
36.00	3.38	2.43	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Summary for Subcatchment P-1: Prop. Area to Point 1

Runoff = 9.76 cfs @ 12.18 hrs, Volume= 40,731 cf, Depth= 2.72"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 2-Year Rainfall=3.38"

Area (ac)	CN	Description
* 1.969	98	Impervious
0.196	80	>75% Grass cover, Good, HSG D
1.372	96	Gravel surface, HSG D
0.583	79	Woods/grass comb., Good, HSG D
4.120	94	Weighted Average
2.151		52.21% Pervious Area
1.969		47.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	150	0.0196	1.53		Sheet Flow, Segment 1: Sheet Flow Smooth surfaces n= 0.011 P2= 3.40"
0.2	63	0.0830	4.64		Shallow Concentrated Flow, Segment 2: Shallow Conc. Flow Unpaved Kv= 16.1 fps
1.1	140	0.0164	2.06		Shallow Concentrated Flow, Segment 3: Shallow Conc. Flow Unpaved Kv= 16.1 fps
5.3	533	0.0110	1.69		Shallow Concentrated Flow, Segment 4: Shallow Conc. Flow Unpaved Kv= 16.1 fps
8.2	886	Total, Increased to minimum Tc = 10.0 min			

Pine Belt Nissan - Stormwater Analysis

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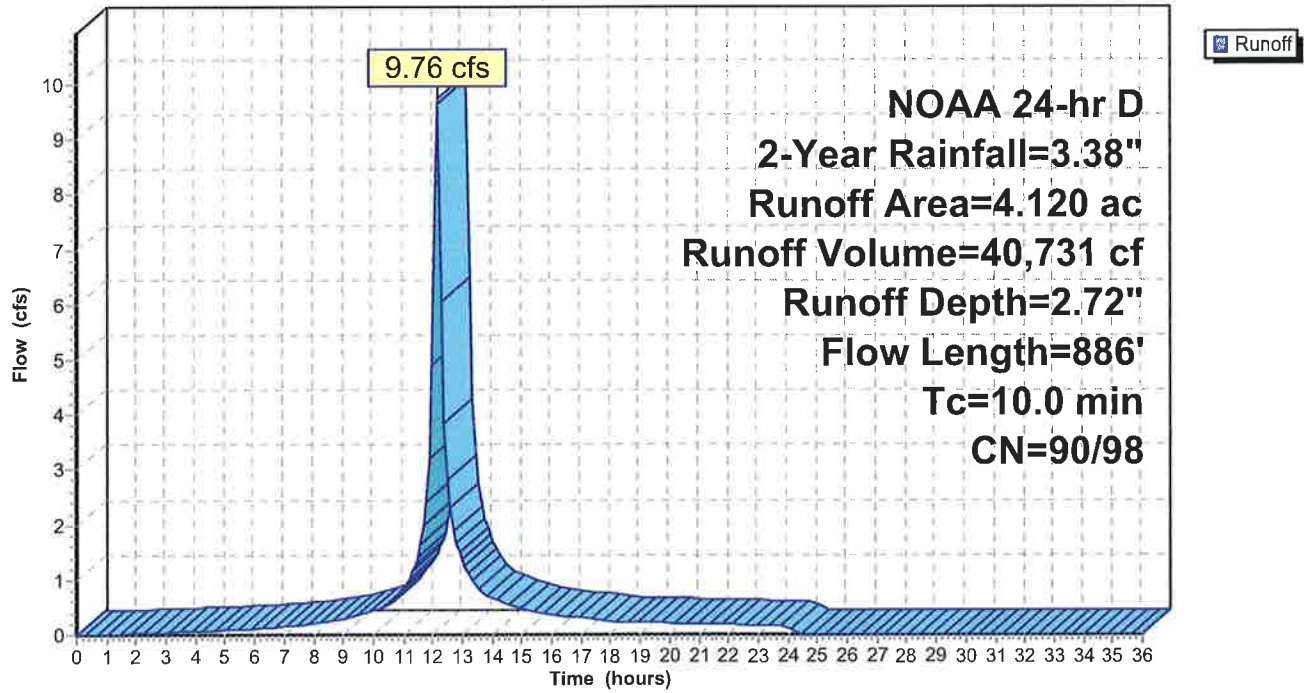
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Subcatchment P-1: Prop. Area to Point 1

Hydrograph



Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.00	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.01	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.02	0.00	0.00	0.00
0.60	0.02	0.00	0.00	0.00
0.70	0.03	0.00	0.00	0.00
0.80	0.03	0.00	0.00	0.00
0.90	0.03	0.00	0.00	0.00
1.00	0.04	0.00	0.00	0.00
1.10	0.04	0.00	0.00	0.00
1.20	0.05	0.00	0.00	0.00
1.30	0.05	0.00	0.00	0.00
1.40	0.06	0.00	0.00	0.01
1.50	0.06	0.00	0.00	0.01
1.60	0.06	0.00	0.00	0.01
1.70	0.07	0.00	0.00	0.01
1.80	0.07	0.00	0.00	0.02
1.90	0.08	0.00	0.01	0.02
2.00	0.08	0.00	0.01	0.02
2.10	0.09	0.00	0.01	0.03
2.20	0.09	0.00	0.01	0.03
2.30	0.09	0.00	0.01	0.03
2.40	0.10	0.00	0.01	0.03
2.50	0.10	0.00	0.01	0.03
2.60	0.11	0.00	0.02	0.04
2.70	0.11	0.00	0.02	0.04
2.80	0.12	0.00	0.02	0.04
2.90	0.12	0.00	0.02	0.04
3.00	0.13	0.00	0.03	0.05
3.10	0.13	0.00	0.03	0.05
3.20	0.14	0.00	0.03	0.05
3.30	0.14	0.00	0.03	0.05
3.40	0.15	0.00	0.04	0.05
3.50	0.15	0.00	0.04	0.05
3.60	0.16	0.00	0.04	0.06
3.70	0.16	0.00	0.05	0.06
3.80	0.17	0.00	0.05	0.06
3.90	0.17	0.00	0.05	0.06
4.00	0.18	0.00	0.05	0.06
4.10	0.18	0.00	0.06	0.07
4.20	0.19	0.00	0.06	0.07
4.30	0.19	0.00	0.07	0.07
4.40	0.20	0.00	0.07	0.07
4.50	0.20	0.00	0.07	0.07
4.60	0.21	0.00	0.08	0.07
4.70	0.21	0.00	0.08	0.07
4.80	0.22	0.00	0.08	0.08
4.90	0.23	0.00	0.09	0.08
5.00	0.23	0.00	0.09	0.08
5.10	0.24	0.00	0.10	0.08
5.20	0.24	0.00	0.10	0.08

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.25	0.00	0.10	0.09
5.40	0.25	0.00	0.11	0.09
5.50	0.26	0.00	0.11	0.09
5.60	0.27	0.00	0.12	0.09
5.70	0.27	0.00	0.12	0.10
5.80	0.28	0.00	0.13	0.10
5.90	0.28	0.00	0.13	0.10
6.00	0.29	0.00	0.14	0.10
6.10	0.29	0.00	0.14	0.11
6.20	0.30	0.01	0.15	0.11
6.30	0.31	0.01	0.15	0.12
6.40	0.31	0.01	0.16	0.12
6.50	0.32	0.01	0.16	0.13
6.60	0.33	0.01	0.17	0.13
6.70	0.33	0.01	0.17	0.14
6.80	0.34	0.01	0.18	0.14
6.90	0.35	0.01	0.19	0.15
7.00	0.36	0.01	0.19	0.15
7.10	0.36	0.02	0.20	0.16
7.20	0.37	0.02	0.20	0.16
7.30	0.38	0.02	0.21	0.17
7.40	0.39	0.02	0.22	0.17
7.50	0.40	0.02	0.23	0.18
7.60	0.40	0.03	0.23	0.18
7.70	0.41	0.03	0.24	0.19
7.80	0.42	0.03	0.25	0.20
7.90	0.43	0.03	0.26	0.20
8.00	0.44	0.04	0.26	0.21
8.10	0.45	0.04	0.27	0.21
8.20	0.46	0.04	0.28	0.22
8.30	0.47	0.04	0.29	0.23
8.40	0.48	0.05	0.30	0.23
8.50	0.49	0.05	0.30	0.24
8.60	0.50	0.05	0.31	0.24
8.70	0.51	0.06	0.32	0.25
8.80	0.52	0.06	0.33	0.26
8.90	0.53	0.07	0.34	0.26
9.00	0.54	0.07	0.35	0.27
9.10	0.55	0.07	0.36	0.28
9.20	0.56	0.08	0.37	0.29
9.30	0.57	0.08	0.38	0.31
9.40	0.58	0.09	0.39	0.33
9.50	0.60	0.09	0.41	0.35
9.60	0.61	0.10	0.42	0.36
9.70	0.62	0.11	0.43	0.38
9.80	0.64	0.11	0.45	0.40
9.90	0.65	0.12	0.46	0.42
10.00	0.67	0.13	0.48	0.44
10.10	0.69	0.14	0.49	0.46
10.20	0.70	0.15	0.51	0.48
10.30	0.72	0.15	0.52	0.50
10.40	0.74	0.16	0.54	0.52
10.50	0.76	0.17	0.56	0.54

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	0.78	0.18	0.58	0.57
10.70	0.80	0.20	0.60	0.63
10.80	0.82	0.21	0.62	0.69
10.90	0.85	0.23	0.65	0.76
11.00	0.88	0.24	0.67	0.83
11.10	0.91	0.26	0.70	0.91
11.20	0.95	0.29	0.74	1.02
11.30	0.98	0.31	0.78	1.15
11.40	1.03	0.34	0.82	1.27
11.50	1.07	0.37	0.86	1.40
11.60	1.13	0.41	0.92	1.64
11.70	1.20	0.46	0.98	1.99
11.80	1.29	0.52	1.07	2.39
11.90	1.41	0.61	1.19	3.22
12.00	1.62	0.78	1.40	4.89
12.10	1.97	1.07	1.75	8.21
12.20	2.09	1.18	1.87	9.64
12.30	2.18	1.25	1.96	6.05
12.40	2.25	1.31	2.02	3.86
12.50	2.31	1.36	2.08	2.83
12.60	2.35	1.40	2.13	2.32
12.70	2.40	1.44	2.17	1.89
12.80	2.43	1.47	2.21	1.67
12.90	2.47	1.50	2.24	1.51
13.00	2.50	1.53	2.27	1.38
13.10	2.53	1.56	2.30	1.24
13.20	2.56	1.58	2.33	1.12
13.30	2.58	1.60	2.35	1.04
13.40	2.60	1.62	2.37	0.96
13.50	2.62	1.64	2.39	0.88
13.60	2.64	1.66	2.41	0.80
13.70	2.66	1.67	2.43	0.74
13.80	2.68	1.69	2.45	0.71
13.90	2.69	1.70	2.46	0.69
14.00	2.71	1.72	2.48	0.66
14.10	2.73	1.73	2.50	0.64
14.20	2.74	1.75	2.51	0.62
14.30	2.76	1.76	2.53	0.60
14.40	2.77	1.77	2.54	0.58
14.50	2.78	1.79	2.55	0.56
14.60	2.80	1.80	2.57	0.54
14.70	2.81	1.81	2.58	0.52
14.80	2.82	1.82	2.59	0.50
14.90	2.83	1.83	2.60	0.48
15.00	2.84	1.84	2.61	0.46
15.10	2.85	1.85	2.62	0.43
15.20	2.86	1.86	2.63	0.42
15.30	2.87	1.87	2.64	0.41
15.40	2.88	1.88	2.65	0.40
15.50	2.89	1.89	2.66	0.40
15.60	2.90	1.90	2.67	0.39
15.70	2.91	1.91	2.68	0.38
15.80	2.92	1.91	2.69	0.38

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	2.93	1.92	2.70	0.37
16.00	2.94	1.93	2.71	0.37
16.10	2.95	1.94	2.72	0.36
16.20	2.96	1.95	2.73	0.35
16.30	2.97	1.95	2.74	0.35
16.40	2.98	1.96	2.74	0.34
16.50	2.98	1.97	2.75	0.34
16.60	2.99	1.98	2.76	0.33
16.70	3.00	1.98	2.77	0.32
16.80	3.01	1.99	2.78	0.32
16.90	3.02	2.00	2.78	0.31
17.00	3.02	2.01	2.79	0.31
17.10	3.03	2.01	2.80	0.30
17.20	3.04	2.02	2.81	0.30
17.30	3.05	2.03	2.81	0.29
17.40	3.05	2.03	2.82	0.28
17.50	3.06	2.04	2.83	0.28
17.60	3.07	2.05	2.83	0.27
17.70	3.07	2.05	2.84	0.27
17.80	3.08	2.06	2.85	0.26
17.90	3.09	2.06	2.85	0.25
18.00	3.09	2.07	2.86	0.25
18.10	3.10	2.07	2.87	0.24
18.20	3.10	2.08	2.87	0.24
18.30	3.11	2.08	2.88	0.23
18.40	3.11	2.09	2.88	0.23
18.50	3.12	2.10	2.89	0.23
18.60	3.13	2.10	2.89	0.23
18.70	3.13	2.11	2.90	0.23
18.80	3.14	2.11	2.91	0.23
18.90	3.14	2.12	2.91	0.23
19.00	3.15	2.12	2.92	0.22
19.10	3.15	2.13	2.92	0.22
19.20	3.16	2.13	2.93	0.22
19.30	3.17	2.14	2.93	0.22
19.40	3.17	2.14	2.94	0.22
19.50	3.18	2.15	2.94	0.22
19.60	3.18	2.15	2.95	0.21
19.70	3.19	2.16	2.95	0.21
19.80	3.19	2.16	2.96	0.21
19.90	3.20	2.17	2.96	0.21
20.00	3.20	2.17	2.97	0.21
20.10	3.21	2.18	2.98	0.21
20.20	3.21	2.18	2.98	0.21
20.30	3.22	2.19	2.99	0.20
20.40	3.22	2.19	2.99	0.20
20.50	3.23	2.19	3.00	0.20
20.60	3.23	2.20	3.00	0.20
20.70	3.24	2.20	3.01	0.20
20.80	3.24	2.21	3.01	0.20
20.90	3.25	2.21	3.02	0.20
21.00	3.25	2.22	3.02	0.19
21.10	3.26	2.22	3.02	0.19

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	3.26	2.23	3.03	0.19
21.30	3.27	2.23	3.03	0.19
21.40	3.27	2.24	3.04	0.19
21.50	3.28	2.24	3.04	0.19
21.60	3.28	2.24	3.05	0.19
21.70	3.29	2.25	3.05	0.18
21.80	3.29	2.25	3.06	0.18
21.90	3.29	2.26	3.06	0.18
22.00	3.30	2.26	3.07	0.18
22.10	3.30	2.26	3.07	0.18
22.20	3.31	2.27	3.07	0.18
22.30	3.31	2.27	3.08	0.18
22.40	3.32	2.28	3.08	0.17
22.50	3.32	2.28	3.09	0.17
22.60	3.32	2.28	3.09	0.17
22.70	3.33	2.29	3.10	0.17
22.80	3.33	2.29	3.10	0.17
22.90	3.34	2.30	3.10	0.17
23.00	3.34	2.30	3.11	0.16
23.10	3.35	2.30	3.11	0.16
23.20	3.35	2.31	3.12	0.16
23.30	3.35	2.31	3.12	0.16
23.40	3.36	2.31	3.12	0.16
23.50	3.36	2.32	3.13	0.16
23.60	3.36	2.32	3.13	0.16
23.70	3.37	2.33	3.14	0.15
23.80	3.37	2.33	3.14	0.15
23.90	3.38	2.33	3.14	0.15
24.00	3.38	2.34	3.15	0.15
24.10	3.38	2.34	3.15	0.11
24.20	3.38	2.34	3.15	0.03
24.30	3.38	2.34	3.15	0.01
24.40	3.38	2.34	3.15	0.00
24.50	3.38	2.34	3.15	0.00
24.60	3.38	2.34	3.15	0.00
24.70	3.38	2.34	3.15	0.00
24.80	3.38	2.34	3.15	0.00
24.90	3.38	2.34	3.15	0.00
25.00	3.38	2.34	3.15	0.00
25.10	3.38	2.34	3.15	0.00
25.20	3.38	2.34	3.15	0.00
25.30	3.38	2.34	3.15	0.00
25.40	3.38	2.34	3.15	0.00
25.50	3.38	2.34	3.15	0.00
25.60	3.38	2.34	3.15	0.00
25.70	3.38	2.34	3.15	0.00
25.80	3.38	2.34	3.15	0.00
25.90	3.38	2.34	3.15	0.00
26.00	3.38	2.34	3.15	0.00
26.10	3.38	2.34	3.15	0.00
26.20	3.38	2.34	3.15	0.00
26.30	3.38	2.34	3.15	0.00
26.40	3.38	2.34	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	3.38	2.34	3.15	0.00
26.60	3.38	2.34	3.15	0.00
26.70	3.38	2.34	3.15	0.00
26.80	3.38	2.34	3.15	0.00
26.90	3.38	2.34	3.15	0.00
27.00	3.38	2.34	3.15	0.00
27.10	3.38	2.34	3.15	0.00
27.20	3.38	2.34	3.15	0.00
27.30	3.38	2.34	3.15	0.00
27.40	3.38	2.34	3.15	0.00
27.50	3.38	2.34	3.15	0.00
27.60	3.38	2.34	3.15	0.00
27.70	3.38	2.34	3.15	0.00
27.80	3.38	2.34	3.15	0.00
27.90	3.38	2.34	3.15	0.00
28.00	3.38	2.34	3.15	0.00
28.10	3.38	2.34	3.15	0.00
28.20	3.38	2.34	3.15	0.00
28.30	3.38	2.34	3.15	0.00
28.40	3.38	2.34	3.15	0.00
28.50	3.38	2.34	3.15	0.00
28.60	3.38	2.34	3.15	0.00
28.70	3.38	2.34	3.15	0.00
28.80	3.38	2.34	3.15	0.00
28.90	3.38	2.34	3.15	0.00
29.00	3.38	2.34	3.15	0.00
29.10	3.38	2.34	3.15	0.00
29.20	3.38	2.34	3.15	0.00
29.30	3.38	2.34	3.15	0.00
29.40	3.38	2.34	3.15	0.00
29.50	3.38	2.34	3.15	0.00
29.60	3.38	2.34	3.15	0.00
29.70	3.38	2.34	3.15	0.00
29.80	3.38	2.34	3.15	0.00
29.90	3.38	2.34	3.15	0.00
30.00	3.38	2.34	3.15	0.00
30.10	3.38	2.34	3.15	0.00
30.20	3.38	2.34	3.15	0.00
30.30	3.38	2.34	3.15	0.00
30.40	3.38	2.34	3.15	0.00
30.50	3.38	2.34	3.15	0.00
30.60	3.38	2.34	3.15	0.00
30.70	3.38	2.34	3.15	0.00
30.80	3.38	2.34	3.15	0.00
30.90	3.38	2.34	3.15	0.00
31.00	3.38	2.34	3.15	0.00
31.10	3.38	2.34	3.15	0.00
31.20	3.38	2.34	3.15	0.00
31.30	3.38	2.34	3.15	0.00
31.40	3.38	2.34	3.15	0.00
31.50	3.38	2.34	3.15	0.00
31.60	3.38	2.34	3.15	0.00
31.70	3.38	2.34	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	3.38	2.34	3.15	0.00
31.90	3.38	2.34	3.15	0.00
32.00	3.38	2.34	3.15	0.00
32.10	3.38	2.34	3.15	0.00
32.20	3.38	2.34	3.15	0.00
32.30	3.38	2.34	3.15	0.00
32.40	3.38	2.34	3.15	0.00
32.50	3.38	2.34	3.15	0.00
32.60	3.38	2.34	3.15	0.00
32.70	3.38	2.34	3.15	0.00
32.80	3.38	2.34	3.15	0.00
32.90	3.38	2.34	3.15	0.00
33.00	3.38	2.34	3.15	0.00
33.10	3.38	2.34	3.15	0.00
33.20	3.38	2.34	3.15	0.00
33.30	3.38	2.34	3.15	0.00
33.40	3.38	2.34	3.15	0.00
33.50	3.38	2.34	3.15	0.00
33.60	3.38	2.34	3.15	0.00
33.70	3.38	2.34	3.15	0.00
33.80	3.38	2.34	3.15	0.00
33.90	3.38	2.34	3.15	0.00
34.00	3.38	2.34	3.15	0.00
34.10	3.38	2.34	3.15	0.00
34.20	3.38	2.34	3.15	0.00
34.30	3.38	2.34	3.15	0.00
34.40	3.38	2.34	3.15	0.00
34.50	3.38	2.34	3.15	0.00
34.60	3.38	2.34	3.15	0.00
34.70	3.38	2.34	3.15	0.00
34.80	3.38	2.34	3.15	0.00
34.90	3.38	2.34	3.15	0.00
35.00	3.38	2.34	3.15	0.00
35.10	3.38	2.34	3.15	0.00
35.20	3.38	2.34	3.15	0.00
35.30	3.38	2.34	3.15	0.00
35.40	3.38	2.34	3.15	0.00
35.50	3.38	2.34	3.15	0.00
35.60	3.38	2.34	3.15	0.00
35.70	3.38	2.34	3.15	0.00
35.80	3.38	2.34	3.15	0.00
35.90	3.38	2.34	3.15	0.00
36.00	3.38	2.34	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

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NOAA 24-hr D 2-Year Rainfall=3.38"

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Summary for Subcatchment P-2: Prop. Area to Point 2

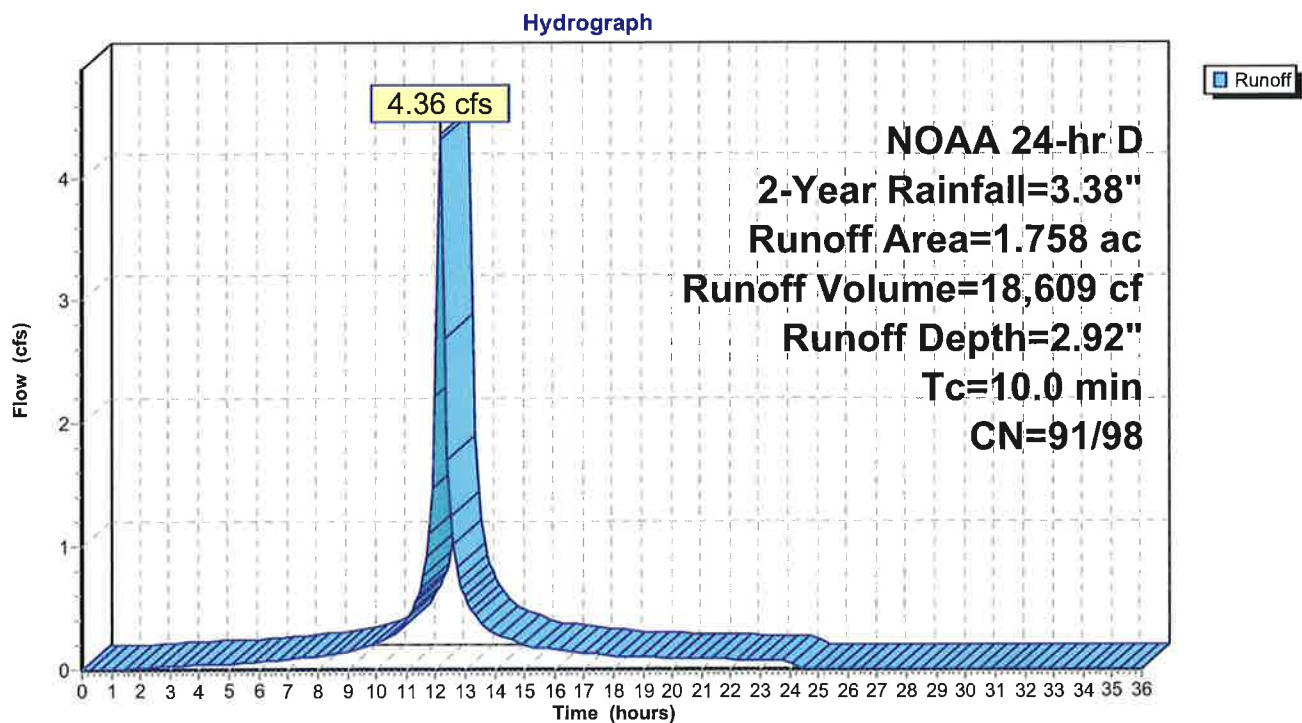
Runoff = 4.36 cfs @ 12.18 hrs, Volume= 18,609 cf, Depth= 2.92"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 2-Year Rainfall=3.38"

Area (ac)	CN	Description
* 1.194	98	Impervious
0.402	96	Gravel surface, HSG D
0.162	80	>75% Grass cover, Good, HSG D
1.758	96	Weighted Average
0.564		32.08% Pervious Area
1.194		67.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Direct Entry

Subcatchment P-2: Prop. Area to Point 2



Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.00	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.01	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.02	0.00	0.00	0.00
0.60	0.02	0.00	0.00	0.00
0.70	0.03	0.00	0.00	0.00
0.80	0.03	0.00	0.00	0.00
0.90	0.03	0.00	0.00	0.00
1.00	0.04	0.00	0.00	0.00
1.10	0.04	0.00	0.00	0.00
1.20	0.05	0.00	0.00	0.00
1.30	0.05	0.00	0.00	0.00
1.40	0.06	0.00	0.00	0.00
1.50	0.06	0.00	0.00	0.01
1.60	0.06	0.00	0.00	0.01
1.70	0.07	0.00	0.00	0.01
1.80	0.07	0.00	0.00	0.01
1.90	0.08	0.00	0.01	0.01
2.00	0.08	0.00	0.01	0.01
2.10	0.09	0.00	0.01	0.02
2.20	0.09	0.00	0.01	0.02
2.30	0.09	0.00	0.01	0.02
2.40	0.10	0.00	0.01	0.02
2.50	0.10	0.00	0.01	0.02
2.60	0.11	0.00	0.02	0.02
2.70	0.11	0.00	0.02	0.02
2.80	0.12	0.00	0.02	0.03
2.90	0.12	0.00	0.02	0.03
3.00	0.13	0.00	0.03	0.03
3.10	0.13	0.00	0.03	0.03
3.20	0.14	0.00	0.03	0.03
3.30	0.14	0.00	0.03	0.03
3.40	0.15	0.00	0.04	0.03
3.50	0.15	0.00	0.04	0.03
3.60	0.16	0.00	0.04	0.03
3.70	0.16	0.00	0.05	0.04
3.80	0.17	0.00	0.05	0.04
3.90	0.17	0.00	0.05	0.04
4.00	0.18	0.00	0.05	0.04
4.10	0.18	0.00	0.06	0.04
4.20	0.19	0.00	0.06	0.04
4.30	0.19	0.00	0.07	0.04
4.40	0.20	0.00	0.07	0.04
4.50	0.20	0.00	0.07	0.04
4.60	0.21	0.00	0.08	0.04
4.70	0.21	0.00	0.08	0.05
4.80	0.22	0.00	0.08	0.05
4.90	0.23	0.00	0.09	0.05
5.00	0.23	0.00	0.09	0.05
5.10	0.24	0.00	0.10	0.05
5.20	0.24	0.00	0.10	0.05

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.25	0.00	0.10	0.05
5.40	0.25	0.00	0.11	0.05
5.50	0.26	0.00	0.11	0.06
5.60	0.27	0.00	0.12	0.06
5.70	0.27	0.01	0.12	0.06
5.80	0.28	0.01	0.13	0.06
5.90	0.28	0.01	0.13	0.06
6.00	0.29	0.01	0.14	0.06
6.10	0.29	0.01	0.14	0.06
6.20	0.30	0.01	0.15	0.06
6.30	0.31	0.01	0.15	0.07
6.40	0.31	0.01	0.16	0.07
6.50	0.32	0.01	0.16	0.07
6.60	0.33	0.01	0.17	0.07
6.70	0.33	0.02	0.17	0.08
6.80	0.34	0.02	0.18	0.08
6.90	0.35	0.02	0.19	0.08
7.00	0.36	0.02	0.19	0.08
7.10	0.36	0.02	0.20	0.09
7.20	0.37	0.03	0.20	0.09
7.30	0.38	0.03	0.21	0.09
7.40	0.39	0.03	0.22	0.09
7.50	0.40	0.03	0.23	0.10
7.60	0.40	0.04	0.23	0.10
7.70	0.41	0.04	0.24	0.10
7.80	0.42	0.04	0.25	0.10
7.90	0.43	0.04	0.26	0.11
8.00	0.44	0.05	0.26	0.11
8.10	0.45	0.05	0.27	0.11
8.20	0.46	0.05	0.28	0.12
8.30	0.47	0.06	0.29	0.12
8.40	0.48	0.06	0.30	0.12
8.50	0.49	0.06	0.30	0.12
8.60	0.50	0.07	0.31	0.13
8.70	0.51	0.07	0.32	0.13
8.80	0.52	0.08	0.33	0.13
8.90	0.53	0.08	0.34	0.14
9.00	0.54	0.09	0.35	0.14
9.10	0.55	0.09	0.36	0.14
9.20	0.56	0.10	0.37	0.15
9.30	0.57	0.10	0.38	0.16
9.40	0.58	0.11	0.39	0.17
9.50	0.60	0.11	0.41	0.17
9.60	0.61	0.12	0.42	0.18
9.70	0.62	0.13	0.43	0.19
9.80	0.64	0.14	0.45	0.20
9.90	0.65	0.14	0.46	0.21
10.00	0.67	0.15	0.48	0.22
10.10	0.69	0.16	0.49	0.23
10.20	0.70	0.17	0.51	0.24
10.30	0.72	0.18	0.52	0.24
10.40	0.74	0.19	0.54	0.25
10.50	0.76	0.20	0.56	0.26

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	0.78	0.21	0.58	0.28
10.70	0.80	0.23	0.60	0.30
10.80	0.82	0.24	0.62	0.33
10.90	0.85	0.26	0.65	0.36
11.00	0.88	0.28	0.67	0.40
11.10	0.91	0.30	0.70	0.43
11.20	0.95	0.32	0.74	0.48
11.30	0.98	0.35	0.78	0.54
11.40	1.03	0.38	0.82	0.60
11.50	1.07	0.41	0.86	0.65
11.60	1.13	0.45	0.92	0.76
11.70	1.20	0.50	0.98	0.92
11.80	1.29	0.57	1.07	1.10
11.90	1.41	0.67	1.19	1.47
12.00	1.62	0.84	1.40	2.22
12.10	1.97	1.14	1.75	3.69
12.20	2.09	1.25	1.87	4.30
12.30	2.18	1.33	1.96	2.69
12.40	2.25	1.38	2.02	1.71
12.50	2.31	1.44	2.08	1.25
12.60	2.35	1.48	2.13	1.02
12.70	2.40	1.52	2.17	0.83
12.80	2.43	1.55	2.21	0.73
12.90	2.47	1.58	2.24	0.66
13.00	2.50	1.61	2.27	0.60
13.10	2.53	1.64	2.30	0.55
13.20	2.56	1.66	2.33	0.49
13.30	2.58	1.68	2.35	0.45
13.40	2.60	1.70	2.37	0.42
13.50	2.62	1.72	2.39	0.39
13.60	2.64	1.74	2.41	0.35
13.70	2.66	1.76	2.43	0.32
13.80	2.68	1.77	2.45	0.31
13.90	2.69	1.79	2.46	0.30
14.00	2.71	1.80	2.48	0.29
14.10	2.73	1.82	2.50	0.28
14.20	2.74	1.83	2.51	0.27
14.30	2.76	1.84	2.53	0.26
14.40	2.77	1.86	2.54	0.25
14.50	2.78	1.87	2.55	0.24
14.60	2.80	1.88	2.57	0.24
14.70	2.81	1.89	2.58	0.23
14.80	2.82	1.91	2.59	0.22
14.90	2.83	1.92	2.60	0.21
15.00	2.84	1.93	2.61	0.20
15.10	2.85	1.94	2.62	0.19
15.20	2.86	1.95	2.63	0.18
15.30	2.87	1.95	2.64	0.18
15.40	2.88	1.96	2.65	0.18
15.50	2.89	1.97	2.66	0.17
15.60	2.90	1.98	2.67	0.17
15.70	2.91	1.99	2.68	0.17
15.80	2.92	2.00	2.69	0.16

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	2.93	2.01	2.70	0.16
16.00	2.94	2.02	2.71	0.16
16.10	2.95	2.02	2.72	0.16
16.20	2.96	2.03	2.73	0.15
16.30	2.97	2.04	2.74	0.15
16.40	2.98	2.05	2.74	0.15
16.50	2.98	2.06	2.75	0.15
16.60	2.99	2.06	2.76	0.14
16.70	3.00	2.07	2.77	0.14
16.80	3.01	2.08	2.78	0.14
16.90	3.02	2.09	2.78	0.14
17.00	3.02	2.09	2.79	0.13
17.10	3.03	2.10	2.80	0.13
17.20	3.04	2.11	2.81	0.13
17.30	3.05	2.11	2.81	0.13
17.40	3.05	2.12	2.82	0.12
17.50	3.06	2.13	2.83	0.12
17.60	3.07	2.13	2.83	0.12
17.70	3.07	2.14	2.84	0.12
17.80	3.08	2.15	2.85	0.11
17.90	3.09	2.15	2.85	0.11
18.00	3.09	2.16	2.86	0.11
18.10	3.10	2.16	2.87	0.11
18.20	3.10	2.17	2.87	0.10
18.30	3.11	2.17	2.88	0.10
18.40	3.11	2.18	2.88	0.10
18.50	3.12	2.18	2.89	0.10
18.60	3.13	2.19	2.89	0.10
18.70	3.13	2.19	2.90	0.10
18.80	3.14	2.20	2.91	0.10
18.90	3.14	2.21	2.91	0.10
19.00	3.15	2.21	2.92	0.10
19.10	3.15	2.22	2.92	0.10
19.20	3.16	2.22	2.93	0.10
19.30	3.17	2.23	2.93	0.10
19.40	3.17	2.23	2.94	0.09
19.50	3.18	2.24	2.94	0.09
19.60	3.18	2.24	2.95	0.09
19.70	3.19	2.25	2.95	0.09
19.80	3.19	2.25	2.96	0.09
19.90	3.20	2.26	2.96	0.09
20.00	3.20	2.26	2.97	0.09
20.10	3.21	2.27	2.98	0.09
20.20	3.21	2.27	2.98	0.09
20.30	3.22	2.28	2.99	0.09
20.40	3.22	2.28	2.99	0.09
20.50	3.23	2.28	3.00	0.09
20.60	3.23	2.29	3.00	0.09
20.70	3.24	2.29	3.01	0.09
20.80	3.24	2.30	3.01	0.09
20.90	3.25	2.30	3.02	0.09
21.00	3.25	2.31	3.02	0.08
21.10	3.26	2.31	3.02	0.08

Pine Belt Nissan - Stormwater Analysis

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NOAA 24-hr D 2-Year Rainfall=3.38"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	3.26	2.32	3.03	0.08
21.30	3.27	2.32	3.03	0.08
21.40	3.27	2.33	3.04	0.08
21.50	3.28	2.33	3.04	0.08
21.60	3.28	2.33	3.05	0.08
21.70	3.29	2.34	3.05	0.08
21.80	3.29	2.34	3.06	0.08
21.90	3.29	2.35	3.06	0.08
22.00	3.30	2.35	3.07	0.08
22.10	3.30	2.36	3.07	0.08
22.20	3.31	2.36	3.07	0.08
22.30	3.31	2.36	3.08	0.08
22.40	3.32	2.37	3.08	0.08
22.50	3.32	2.37	3.09	0.07
22.60	3.32	2.38	3.09	0.07
22.70	3.33	2.38	3.10	0.07
22.80	3.33	2.38	3.10	0.07
22.90	3.34	2.39	3.10	0.07
23.00	3.34	2.39	3.11	0.07
23.10	3.35	2.40	3.11	0.07
23.20	3.35	2.40	3.12	0.07
23.30	3.35	2.40	3.12	0.07
23.40	3.36	2.41	3.12	0.07
23.50	3.36	2.41	3.13	0.07
23.60	3.36	2.41	3.13	0.07
23.70	3.37	2.42	3.14	0.07
23.80	3.37	2.42	3.14	0.07
23.90	3.38	2.42	3.14	0.07
24.00	3.38	2.43	3.15	0.06
24.10	3.38	2.43	3.15	0.05
24.20	3.38	2.43	3.15	0.01
24.30	3.38	2.43	3.15	0.00
24.40	3.38	2.43	3.15	0.00
24.50	3.38	2.43	3.15	0.00
24.60	3.38	2.43	3.15	0.00
24.70	3.38	2.43	3.15	0.00
24.80	3.38	2.43	3.15	0.00
24.90	3.38	2.43	3.15	0.00
25.00	3.38	2.43	3.15	0.00
25.10	3.38	2.43	3.15	0.00
25.20	3.38	2.43	3.15	0.00
25.30	3.38	2.43	3.15	0.00
25.40	3.38	2.43	3.15	0.00
25.50	3.38	2.43	3.15	0.00
25.60	3.38	2.43	3.15	0.00
25.70	3.38	2.43	3.15	0.00
25.80	3.38	2.43	3.15	0.00
25.90	3.38	2.43	3.15	0.00
26.00	3.38	2.43	3.15	0.00
26.10	3.38	2.43	3.15	0.00
26.20	3.38	2.43	3.15	0.00
26.30	3.38	2.43	3.15	0.00
26.40	3.38	2.43	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	3.38	2.43	3.15	0.00
26.60	3.38	2.43	3.15	0.00
26.70	3.38	2.43	3.15	0.00
26.80	3.38	2.43	3.15	0.00
26.90	3.38	2.43	3.15	0.00
27.00	3.38	2.43	3.15	0.00
27.10	3.38	2.43	3.15	0.00
27.20	3.38	2.43	3.15	0.00
27.30	3.38	2.43	3.15	0.00
27.40	3.38	2.43	3.15	0.00
27.50	3.38	2.43	3.15	0.00
27.60	3.38	2.43	3.15	0.00
27.70	3.38	2.43	3.15	0.00
27.80	3.38	2.43	3.15	0.00
27.90	3.38	2.43	3.15	0.00
28.00	3.38	2.43	3.15	0.00
28.10	3.38	2.43	3.15	0.00
28.20	3.38	2.43	3.15	0.00
28.30	3.38	2.43	3.15	0.00
28.40	3.38	2.43	3.15	0.00
28.50	3.38	2.43	3.15	0.00
28.60	3.38	2.43	3.15	0.00
28.70	3.38	2.43	3.15	0.00
28.80	3.38	2.43	3.15	0.00
28.90	3.38	2.43	3.15	0.00
29.00	3.38	2.43	3.15	0.00
29.10	3.38	2.43	3.15	0.00
29.20	3.38	2.43	3.15	0.00
29.30	3.38	2.43	3.15	0.00
29.40	3.38	2.43	3.15	0.00
29.50	3.38	2.43	3.15	0.00
29.60	3.38	2.43	3.15	0.00
29.70	3.38	2.43	3.15	0.00
29.80	3.38	2.43	3.15	0.00
29.90	3.38	2.43	3.15	0.00
30.00	3.38	2.43	3.15	0.00
30.10	3.38	2.43	3.15	0.00
30.20	3.38	2.43	3.15	0.00
30.30	3.38	2.43	3.15	0.00
30.40	3.38	2.43	3.15	0.00
30.50	3.38	2.43	3.15	0.00
30.60	3.38	2.43	3.15	0.00
30.70	3.38	2.43	3.15	0.00
30.80	3.38	2.43	3.15	0.00
30.90	3.38	2.43	3.15	0.00
31.00	3.38	2.43	3.15	0.00
31.10	3.38	2.43	3.15	0.00
31.20	3.38	2.43	3.15	0.00
31.30	3.38	2.43	3.15	0.00
31.40	3.38	2.43	3.15	0.00
31.50	3.38	2.43	3.15	0.00
31.60	3.38	2.43	3.15	0.00
31.70	3.38	2.43	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	3.38	2.43	3.15	0.00
31.90	3.38	2.43	3.15	0.00
32.00	3.38	2.43	3.15	0.00
32.10	3.38	2.43	3.15	0.00
32.20	3.38	2.43	3.15	0.00
32.30	3.38	2.43	3.15	0.00
32.40	3.38	2.43	3.15	0.00
32.50	3.38	2.43	3.15	0.00
32.60	3.38	2.43	3.15	0.00
32.70	3.38	2.43	3.15	0.00
32.80	3.38	2.43	3.15	0.00
32.90	3.38	2.43	3.15	0.00
33.00	3.38	2.43	3.15	0.00
33.10	3.38	2.43	3.15	0.00
33.20	3.38	2.43	3.15	0.00
33.30	3.38	2.43	3.15	0.00
33.40	3.38	2.43	3.15	0.00
33.50	3.38	2.43	3.15	0.00
33.60	3.38	2.43	3.15	0.00
33.70	3.38	2.43	3.15	0.00
33.80	3.38	2.43	3.15	0.00
33.90	3.38	2.43	3.15	0.00
34.00	3.38	2.43	3.15	0.00
34.10	3.38	2.43	3.15	0.00
34.20	3.38	2.43	3.15	0.00
34.30	3.38	2.43	3.15	0.00
34.40	3.38	2.43	3.15	0.00
34.50	3.38	2.43	3.15	0.00
34.60	3.38	2.43	3.15	0.00
34.70	3.38	2.43	3.15	0.00
34.80	3.38	2.43	3.15	0.00
34.90	3.38	2.43	3.15	0.00
35.00	3.38	2.43	3.15	0.00
35.10	3.38	2.43	3.15	0.00
35.20	3.38	2.43	3.15	0.00
35.30	3.38	2.43	3.15	0.00
35.40	3.38	2.43	3.15	0.00
35.50	3.38	2.43	3.15	0.00
35.60	3.38	2.43	3.15	0.00
35.70	3.38	2.43	3.15	0.00
35.80	3.38	2.43	3.15	0.00
35.90	3.38	2.43	3.15	0.00
36.00	3.38	2.43	3.15	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Summary for Subcatchment E-1: Ex. Area to Point 1

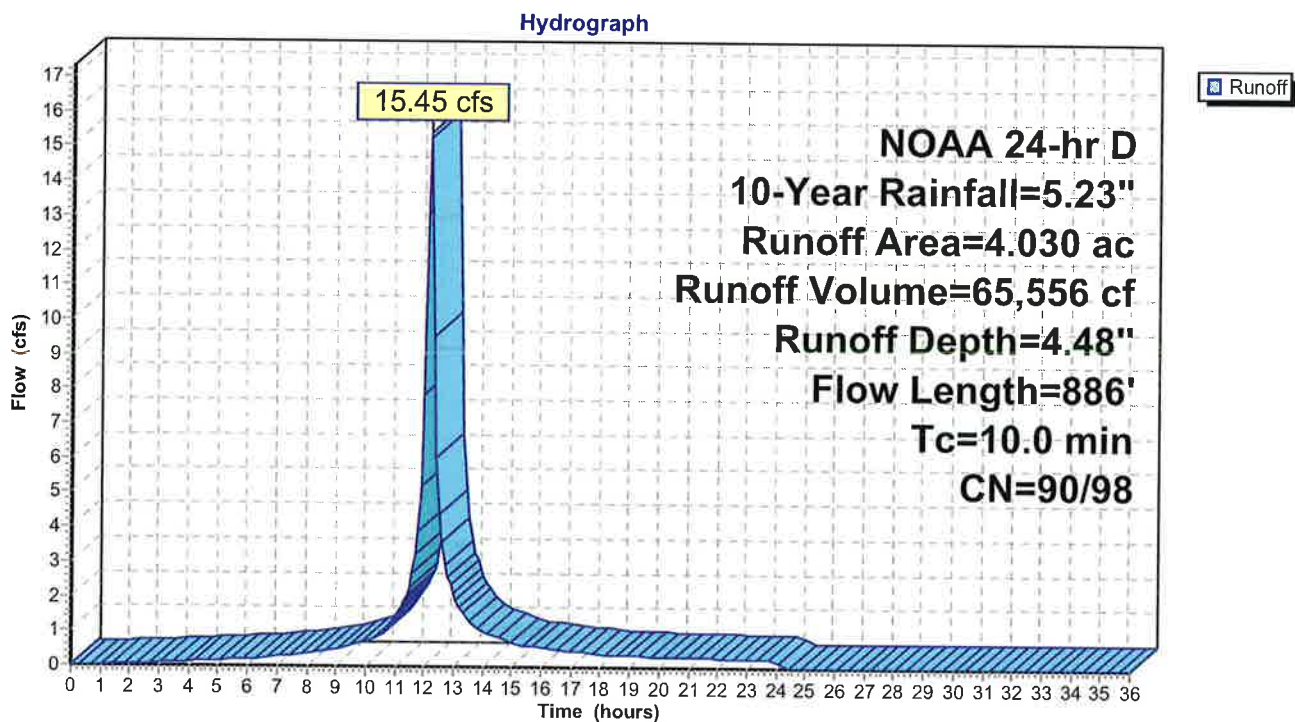
Runoff = 15.45 cfs @ 12.18 hrs, Volume= 65,556 cf, Depth= 4.48"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 10-Year Rainfall=5.23"

Area (ac)	CN	Description
* 1.725	98	Impervious
0.184	80	>75% Grass cover, Good, HSG D
0.583	79	Woods/grass comb., Good, HSG D
1.538	96	Gravel surface, HSG D
4.030	94	Weighted Average
2.305		57.20% Pervious Area
1.725		42.80% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	150	0.0196	1.53		Sheet Flow, Segment 1: Sheet Flow Smooth surfaces n= 0.011 P2= 3.40"
0.2	63	0.0830	4.64		Shallow Concentrated Flow, Segment 2: Shallow Conc. Flow Unpaved Kv= 16.1 fps
1.1	140	0.0164	2.06		Shallow Concentrated Flow, Segment 3: Shallow Conc. Flow Unpaved Kv= 16.1 fps
5.3	533	0.0110	1.69		Shallow Concentrated Flow, Segment 4: Shallow Conc. Unpaved Kv= 16.1 fps
8.2	886	Total, Increased to minimum Tc = 10.0 min			

Subcatchment E-1: Ex. Area to Point 1



Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.02	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.03	0.00	0.00	0.00
0.60	0.04	0.00	0.00	0.00
0.70	0.04	0.00	0.00	0.00
0.80	0.05	0.00	0.00	0.00
0.90	0.05	0.00	0.00	0.00
1.00	0.06	0.00	0.00	0.01
1.10	0.07	0.00	0.00	0.01
1.20	0.07	0.00	0.00	0.02
1.30	0.08	0.00	0.01	0.03
1.40	0.09	0.00	0.01	0.03
1.50	0.09	0.00	0.01	0.03
1.60	0.10	0.00	0.01	0.04
1.70	0.11	0.00	0.02	0.04
1.80	0.11	0.00	0.02	0.05
1.90	0.12	0.00	0.02	0.05
2.00	0.13	0.00	0.02	0.05
2.10	0.13	0.00	0.03	0.06
2.20	0.14	0.00	0.03	0.06
2.30	0.15	0.00	0.04	0.06
2.40	0.15	0.00	0.04	0.07
2.50	0.16	0.00	0.04	0.07
2.60	0.17	0.00	0.05	0.07
2.70	0.17	0.00	0.05	0.08
2.80	0.18	0.00	0.06	0.08
2.90	0.19	0.00	0.06	0.08
3.00	0.20	0.00	0.07	0.08
3.10	0.20	0.00	0.07	0.09
3.20	0.21	0.00	0.08	0.09
3.30	0.22	0.00	0.08	0.09
3.40	0.23	0.00	0.09	0.09
3.50	0.23	0.00	0.09	0.10
3.60	0.24	0.00	0.10	0.10
3.70	0.25	0.00	0.11	0.11
3.80	0.26	0.00	0.11	0.11
3.90	0.27	0.00	0.12	0.11
4.00	0.27	0.00	0.12	0.12
4.10	0.28	0.00	0.13	0.12
4.20	0.29	0.00	0.14	0.13
4.30	0.30	0.00	0.14	0.13
4.40	0.31	0.01	0.15	0.14
4.50	0.32	0.01	0.16	0.14
4.60	0.32	0.01	0.16	0.14
4.70	0.33	0.01	0.17	0.15
4.80	0.34	0.01	0.18	0.15
4.90	0.35	0.01	0.19	0.16
5.00	0.36	0.01	0.19	0.16
5.10	0.37	0.02	0.20	0.17
5.20	0.37	0.02	0.21	0.17

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.38	0.02	0.21	0.17
5.40	0.39	0.02	0.22	0.18
5.50	0.40	0.02	0.23	0.18
5.60	0.41	0.03	0.24	0.19
5.70	0.42	0.03	0.25	0.19
5.80	0.43	0.03	0.25	0.19
5.90	0.44	0.03	0.26	0.20
6.00	0.45	0.04	0.27	0.20
6.10	0.46	0.04	0.28	0.21
6.20	0.47	0.04	0.29	0.21
6.30	0.48	0.05	0.30	0.22
6.40	0.49	0.05	0.30	0.23
6.50	0.50	0.05	0.31	0.24
6.60	0.51	0.06	0.32	0.25
6.70	0.52	0.06	0.33	0.25
6.80	0.53	0.07	0.34	0.26
6.90	0.54	0.07	0.35	0.27
7.00	0.55	0.08	0.36	0.28
7.10	0.56	0.08	0.38	0.29
7.20	0.57	0.08	0.39	0.30
7.30	0.59	0.09	0.40	0.31
7.40	0.60	0.10	0.41	0.32
7.50	0.61	0.10	0.42	0.33
7.60	0.62	0.11	0.43	0.34
7.70	0.64	0.11	0.44	0.35
7.80	0.65	0.12	0.46	0.36
7.90	0.66	0.13	0.47	0.36
8.00	0.68	0.13	0.48	0.37
8.10	0.69	0.14	0.50	0.38
8.20	0.71	0.15	0.51	0.39
8.30	0.72	0.15	0.52	0.40
8.40	0.74	0.16	0.54	0.41
8.50	0.75	0.17	0.55	0.42
8.60	0.77	0.18	0.57	0.43
8.70	0.78	0.19	0.58	0.44
8.80	0.80	0.20	0.60	0.45
8.90	0.81	0.21	0.61	0.46
9.00	0.83	0.21	0.63	0.47
9.10	0.85	0.22	0.64	0.49
9.20	0.86	0.24	0.66	0.51
9.30	0.88	0.25	0.68	0.54
9.40	0.90	0.26	0.70	0.57
9.50	0.92	0.27	0.72	0.60
9.60	0.94	0.28	0.74	0.63
9.70	0.97	0.30	0.76	0.66
9.80	0.99	0.31	0.78	0.69
9.90	1.01	0.33	0.80	0.72
10.00	1.04	0.34	0.83	0.76
10.10	1.06	0.36	0.85	0.79
10.20	1.09	0.38	0.88	0.82
10.30	1.12	0.40	0.90	0.85
10.40	1.14	0.42	0.93	0.89
10.50	1.17	0.44	0.96	0.92

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	1.20	0.46	0.99	0.97
10.70	1.24	0.48	1.02	1.06
10.80	1.28	0.51	1.06	1.17
10.90	1.32	0.54	1.10	1.28
11.00	1.36	0.58	1.14	1.39
11.10	1.41	0.61	1.19	1.52
11.20	1.46	0.65	1.24	1.70
11.30	1.52	0.70	1.30	1.90
11.40	1.59	0.75	1.37	2.10
11.50	1.66	0.81	1.44	2.31
11.60	1.75	0.89	1.53	2.69
11.70	1.85	0.97	1.63	3.26
11.80	1.99	1.08	1.76	3.89
11.90	2.18	1.25	1.95	5.20
12.00	2.51	1.54	2.28	7.86
12.10	3.05	2.03	2.82	13.08
12.20	3.24	2.21	3.01	15.25
12.30	3.38	2.33	3.14	9.53
12.40	3.48	2.43	3.24	6.05
12.50	3.57	2.52	3.34	4.42
12.60	3.64	2.58	3.41	3.63
12.70	3.71	2.64	3.47	2.95
12.80	3.77	2.70	3.53	2.60
12.90	3.82	2.75	3.59	2.36
13.00	3.87	2.80	3.64	2.15
13.10	3.91	2.84	3.68	1.94
13.20	3.95	2.88	3.72	1.75
13.30	3.99	2.91	3.76	1.61
13.40	4.03	2.94	3.79	1.49
13.50	4.06	2.97	3.82	1.37
13.60	4.09	3.00	3.85	1.25
13.70	4.11	3.03	3.88	1.15
13.80	4.14	3.05	3.91	1.10
13.90	4.17	3.08	3.93	1.06
14.00	4.19	3.10	3.96	1.03
14.10	4.22	3.13	3.98	1.00
14.20	4.24	3.15	4.01	0.97
14.30	4.26	3.17	4.03	0.93
14.40	4.29	3.19	4.05	0.90
14.50	4.31	3.21	4.07	0.87
14.60	4.33	3.23	4.09	0.84
14.70	4.35	3.25	4.11	0.80
14.80	4.37	3.27	4.13	0.77
14.90	4.38	3.28	4.15	0.74
15.00	4.40	3.30	4.16	0.71
15.10	4.42	3.32	4.18	0.67
15.20	4.43	3.33	4.20	0.65
15.30	4.45	3.35	4.21	0.63
15.40	4.46	3.36	4.23	0.62
15.50	4.48	3.38	4.24	0.61
15.60	4.49	3.39	4.26	0.60
15.70	4.51	3.40	4.27	0.59
15.80	4.52	3.42	4.29	0.59

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	4.54	3.43	4.30	0.58
16.00	4.55	3.44	4.32	0.57
16.10	4.57	3.46	4.33	0.56
16.20	4.58	3.47	4.34	0.55
16.30	4.59	3.48	4.36	0.54
16.40	4.61	3.50	4.37	0.53
16.50	4.62	3.51	4.38	0.52
16.60	4.63	3.52	4.39	0.51
16.70	4.64	3.53	4.41	0.50
16.80	4.66	3.54	4.42	0.49
16.90	4.67	3.56	4.43	0.48
17.00	4.68	3.57	4.44	0.48
17.10	4.69	3.58	4.45	0.47
17.20	4.70	3.59	4.47	0.46
17.30	4.71	3.60	4.48	0.45
17.40	4.72	3.61	4.49	0.44
17.50	4.73	3.62	4.50	0.43
17.60	4.74	3.63	4.51	0.42
17.70	4.75	3.64	4.52	0.41
17.80	4.76	3.65	4.53	0.40
17.90	4.77	3.66	4.54	0.39
18.00	4.78	3.67	4.55	0.38
18.10	4.79	3.68	4.56	0.37
18.20	4.80	3.69	4.57	0.37
18.30	4.81	3.69	4.57	0.36
18.40	4.82	3.70	4.58	0.36
18.50	4.83	3.71	4.59	0.36
18.60	4.84	3.72	4.60	0.35
18.70	4.85	3.73	4.61	0.35
18.80	4.86	3.74	4.62	0.35
18.90	4.86	3.75	4.63	0.35
19.00	4.87	3.75	4.64	0.35
19.10	4.88	3.76	4.64	0.34
19.20	4.89	3.77	4.65	0.34
19.30	4.90	3.78	4.66	0.34
19.40	4.91	3.79	4.67	0.34
19.50	4.91	3.79	4.68	0.33
19.60	4.92	3.80	4.69	0.33
19.70	4.93	3.81	4.69	0.33
19.80	4.94	3.82	4.70	0.33
19.90	4.95	3.83	4.71	0.32
20.00	4.96	3.83	4.72	0.32
20.10	4.96	3.84	4.73	0.32
20.20	4.97	3.85	4.73	0.32
20.30	4.98	3.86	4.74	0.32
20.40	4.99	3.86	4.75	0.31
20.50	5.00	3.87	4.76	0.31
20.60	5.00	3.88	4.77	0.31
20.70	5.01	3.89	4.77	0.31
20.80	5.02	3.89	4.78	0.30
20.90	5.03	3.90	4.79	0.30
21.00	5.03	3.91	4.80	0.30
21.10	5.04	3.92	4.80	0.30

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	5.05	3.92	4.81	0.29
21.30	5.06	3.93	4.82	0.29
21.40	5.06	3.94	4.83	0.29
21.50	5.07	3.94	4.83	0.29
21.60	5.08	3.95	4.84	0.29
21.70	5.08	3.96	4.85	0.28
21.80	5.09	3.96	4.85	0.28
21.90	5.10	3.97	4.86	0.28
22.00	5.10	3.98	4.87	0.28
22.10	5.11	3.98	4.87	0.27
22.20	5.12	3.99	4.88	0.27
22.30	5.12	4.00	4.89	0.27
22.40	5.13	4.00	4.89	0.27
22.50	5.14	4.01	4.90	0.26
22.60	5.14	4.02	4.91	0.26
22.70	5.15	4.02	4.91	0.26
22.80	5.16	4.03	4.92	0.26
22.90	5.16	4.03	4.93	0.26
23.00	5.17	4.04	4.93	0.25
23.10	5.18	4.05	4.94	0.25
23.20	5.18	4.05	4.95	0.25
23.30	5.19	4.06	4.95	0.25
23.40	5.19	4.06	4.96	0.24
23.50	5.20	4.07	4.96	0.24
23.60	5.21	4.08	4.97	0.24
23.70	5.21	4.08	4.98	0.24
23.80	5.22	4.09	4.98	0.24
23.90	5.22	4.09	4.99	0.23
24.00	5.23	4.10	4.99	0.23
24.10	5.23	4.10	4.99	0.17
24.20	5.23	4.10	4.99	0.05
24.30	5.23	4.10	4.99	0.01
24.40	5.23	4.10	4.99	0.00
24.50	5.23	4.10	4.99	0.00
24.60	5.23	4.10	4.99	0.00
24.70	5.23	4.10	4.99	0.00
24.80	5.23	4.10	4.99	0.00
24.90	5.23	4.10	4.99	0.00
25.00	5.23	4.10	4.99	0.00
25.10	5.23	4.10	4.99	0.00
25.20	5.23	4.10	4.99	0.00
25.30	5.23	4.10	4.99	0.00
25.40	5.23	4.10	4.99	0.00
25.50	5.23	4.10	4.99	0.00
25.60	5.23	4.10	4.99	0.00
25.70	5.23	4.10	4.99	0.00
25.80	5.23	4.10	4.99	0.00
25.90	5.23	4.10	4.99	0.00
26.00	5.23	4.10	4.99	0.00
26.10	5.23	4.10	4.99	0.00
26.20	5.23	4.10	4.99	0.00
26.30	5.23	4.10	4.99	0.00
26.40	5.23	4.10	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	5.23	4.10	4.99	0.00
26.60	5.23	4.10	4.99	0.00
26.70	5.23	4.10	4.99	0.00
26.80	5.23	4.10	4.99	0.00
26.90	5.23	4.10	4.99	0.00
27.00	5.23	4.10	4.99	0.00
27.10	5.23	4.10	4.99	0.00
27.20	5.23	4.10	4.99	0.00
27.30	5.23	4.10	4.99	0.00
27.40	5.23	4.10	4.99	0.00
27.50	5.23	4.10	4.99	0.00
27.60	5.23	4.10	4.99	0.00
27.70	5.23	4.10	4.99	0.00
27.80	5.23	4.10	4.99	0.00
27.90	5.23	4.10	4.99	0.00
28.00	5.23	4.10	4.99	0.00
28.10	5.23	4.10	4.99	0.00
28.20	5.23	4.10	4.99	0.00
28.30	5.23	4.10	4.99	0.00
28.40	5.23	4.10	4.99	0.00
28.50	5.23	4.10	4.99	0.00
28.60	5.23	4.10	4.99	0.00
28.70	5.23	4.10	4.99	0.00
28.80	5.23	4.10	4.99	0.00
28.90	5.23	4.10	4.99	0.00
29.00	5.23	4.10	4.99	0.00
29.10	5.23	4.10	4.99	0.00
29.20	5.23	4.10	4.99	0.00
29.30	5.23	4.10	4.99	0.00
29.40	5.23	4.10	4.99	0.00
29.50	5.23	4.10	4.99	0.00
29.60	5.23	4.10	4.99	0.00
29.70	5.23	4.10	4.99	0.00
29.80	5.23	4.10	4.99	0.00
29.90	5.23	4.10	4.99	0.00
30.00	5.23	4.10	4.99	0.00
30.10	5.23	4.10	4.99	0.00
30.20	5.23	4.10	4.99	0.00
30.30	5.23	4.10	4.99	0.00
30.40	5.23	4.10	4.99	0.00
30.50	5.23	4.10	4.99	0.00
30.60	5.23	4.10	4.99	0.00
30.70	5.23	4.10	4.99	0.00
30.80	5.23	4.10	4.99	0.00
30.90	5.23	4.10	4.99	0.00
31.00	5.23	4.10	4.99	0.00
31.10	5.23	4.10	4.99	0.00
31.20	5.23	4.10	4.99	0.00
31.30	5.23	4.10	4.99	0.00
31.40	5.23	4.10	4.99	0.00
31.50	5.23	4.10	4.99	0.00
31.60	5.23	4.10	4.99	0.00
31.70	5.23	4.10	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	5.23	4.10	4.99	0.00
31.90	5.23	4.10	4.99	0.00
32.00	5.23	4.10	4.99	0.00
32.10	5.23	4.10	4.99	0.00
32.20	5.23	4.10	4.99	0.00
32.30	5.23	4.10	4.99	0.00
32.40	5.23	4.10	4.99	0.00
32.50	5.23	4.10	4.99	0.00
32.60	5.23	4.10	4.99	0.00
32.70	5.23	4.10	4.99	0.00
32.80	5.23	4.10	4.99	0.00
32.90	5.23	4.10	4.99	0.00
33.00	5.23	4.10	4.99	0.00
33.10	5.23	4.10	4.99	0.00
33.20	5.23	4.10	4.99	0.00
33.30	5.23	4.10	4.99	0.00
33.40	5.23	4.10	4.99	0.00
33.50	5.23	4.10	4.99	0.00
33.60	5.23	4.10	4.99	0.00
33.70	5.23	4.10	4.99	0.00
33.80	5.23	4.10	4.99	0.00
33.90	5.23	4.10	4.99	0.00
34.00	5.23	4.10	4.99	0.00
34.10	5.23	4.10	4.99	0.00
34.20	5.23	4.10	4.99	0.00
34.30	5.23	4.10	4.99	0.00
34.40	5.23	4.10	4.99	0.00
34.50	5.23	4.10	4.99	0.00
34.60	5.23	4.10	4.99	0.00
34.70	5.23	4.10	4.99	0.00
34.80	5.23	4.10	4.99	0.00
34.90	5.23	4.10	4.99	0.00
35.00	5.23	4.10	4.99	0.00
35.10	5.23	4.10	4.99	0.00
35.20	5.23	4.10	4.99	0.00
35.30	5.23	4.10	4.99	0.00
35.40	5.23	4.10	4.99	0.00
35.50	5.23	4.10	4.99	0.00
35.60	5.23	4.10	4.99	0.00
35.70	5.23	4.10	4.99	0.00
35.80	5.23	4.10	4.99	0.00
35.90	5.23	4.10	4.99	0.00
36.00	5.23	4.10	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Summary for Subcatchment E-2: Ex. Area to Point 2

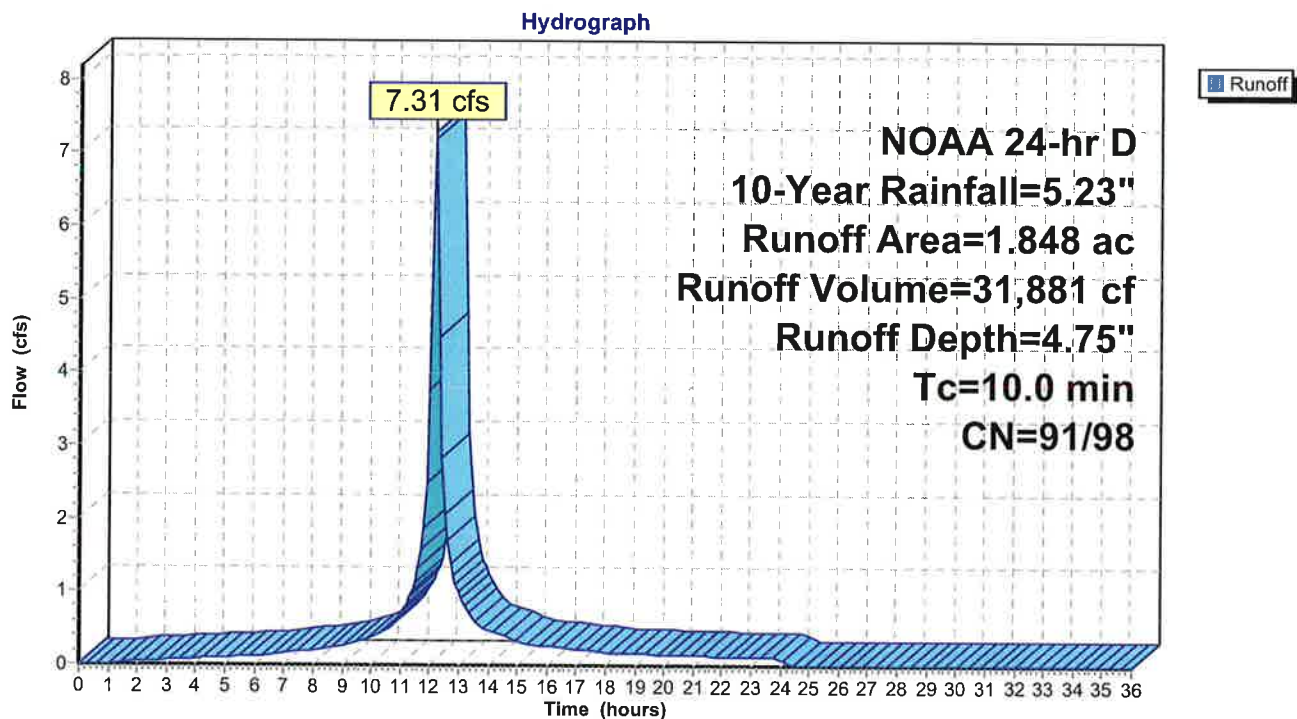
Runoff = 7.31 cfs @ 12.18 hrs, Volume= 31,881 cf, Depth= 4.75"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 10-Year Rainfall=5.23"

Area (ac)	CN	Description
* 1.284	98	Impervious
0.402	96	Gravel surface, HSG D
0.162	80	>75% Grass cover, Good, HSG D
1.848	96	Weighted Average
0.564		30.52% Pervious Area
1.284		69.48% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Direct Entry

Subcatchment E-2: Ex. Area to Point 2



Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.02	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.03	0.00	0.00	0.00
0.60	0.04	0.00	0.00	0.00
0.70	0.04	0.00	0.00	0.00
0.80	0.05	0.00	0.00	0.00
0.90	0.05	0.00	0.00	0.00
1.00	0.06	0.00	0.00	0.01
1.10	0.07	0.00	0.00	0.01
1.20	0.07	0.00	0.00	0.01
1.30	0.08	0.00	0.01	0.02
1.40	0.09	0.00	0.01	0.02
1.50	0.09	0.00	0.01	0.03
1.60	0.10	0.00	0.01	0.03
1.70	0.11	0.00	0.02	0.03
1.80	0.11	0.00	0.02	0.03
1.90	0.12	0.00	0.02	0.04
2.00	0.13	0.00	0.02	0.04
2.10	0.13	0.00	0.03	0.04
2.20	0.14	0.00	0.03	0.05
2.30	0.15	0.00	0.04	0.05
2.40	0.15	0.00	0.04	0.05
2.50	0.16	0.00	0.04	0.05
2.60	0.17	0.00	0.05	0.05
2.70	0.17	0.00	0.05	0.06
2.80	0.18	0.00	0.06	0.06
2.90	0.19	0.00	0.06	0.06
3.00	0.20	0.00	0.07	0.06
3.10	0.20	0.00	0.07	0.06
3.20	0.21	0.00	0.08	0.07
3.30	0.22	0.00	0.08	0.07
3.40	0.23	0.00	0.09	0.07
3.50	0.23	0.00	0.09	0.07
3.60	0.24	0.00	0.10	0.08
3.70	0.25	0.00	0.11	0.08
3.80	0.26	0.00	0.11	0.08
3.90	0.27	0.00	0.12	0.08
4.00	0.27	0.01	0.12	0.08
4.10	0.28	0.01	0.13	0.09
4.20	0.29	0.01	0.14	0.09
4.30	0.30	0.01	0.14	0.09
4.40	0.31	0.01	0.15	0.09
4.50	0.32	0.01	0.16	0.09
4.60	0.32	0.01	0.16	0.10
4.70	0.33	0.02	0.17	0.10
4.80	0.34	0.02	0.18	0.10
4.90	0.35	0.02	0.19	0.10
5.00	0.36	0.02	0.19	0.10
5.10	0.37	0.02	0.20	0.11
5.20	0.37	0.03	0.21	0.11

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.38	0.03	0.21	0.11
5.40	0.39	0.03	0.22	0.11
5.50	0.40	0.03	0.23	0.11
5.60	0.41	0.04	0.24	0.11
5.70	0.42	0.04	0.25	0.12
5.80	0.43	0.04	0.25	0.12
5.90	0.44	0.05	0.26	0.12
6.00	0.45	0.05	0.27	0.12
6.10	0.46	0.05	0.28	0.12
6.20	0.47	0.06	0.29	0.13
6.30	0.48	0.06	0.30	0.13
6.40	0.49	0.06	0.30	0.14
6.50	0.50	0.07	0.31	0.14
6.60	0.51	0.07	0.32	0.14
6.70	0.52	0.08	0.33	0.15
6.80	0.53	0.08	0.34	0.15
6.90	0.54	0.09	0.35	0.16
7.00	0.55	0.09	0.36	0.16
7.10	0.56	0.10	0.38	0.17
7.20	0.57	0.10	0.39	0.17
7.30	0.59	0.11	0.40	0.17
7.40	0.60	0.12	0.41	0.18
7.50	0.61	0.12	0.42	0.18
7.60	0.62	0.13	0.43	0.19
7.70	0.64	0.14	0.44	0.19
7.80	0.65	0.14	0.46	0.20
7.90	0.66	0.15	0.47	0.20
8.00	0.68	0.16	0.48	0.21
8.10	0.69	0.17	0.50	0.21
8.20	0.71	0.17	0.51	0.22
8.30	0.72	0.18	0.52	0.22
8.40	0.74	0.19	0.54	0.22
8.50	0.75	0.20	0.55	0.23
8.60	0.77	0.21	0.57	0.23
8.70	0.78	0.22	0.58	0.24
8.80	0.80	0.23	0.60	0.24
8.90	0.81	0.24	0.61	0.25
9.00	0.83	0.25	0.63	0.25
9.10	0.85	0.26	0.64	0.26
9.20	0.86	0.27	0.66	0.27
9.30	0.88	0.28	0.68	0.29
9.40	0.90	0.29	0.70	0.30
9.50	0.92	0.31	0.72	0.31
9.60	0.94	0.32	0.74	0.33
9.70	0.97	0.34	0.76	0.34
9.80	0.99	0.35	0.78	0.36
9.90	1.01	0.37	0.80	0.37
10.00	1.04	0.39	0.83	0.39
10.10	1.06	0.40	0.85	0.40
10.20	1.09	0.42	0.88	0.42
10.30	1.12	0.44	0.90	0.43
10.40	1.14	0.46	0.93	0.45
10.50	1.17	0.48	0.96	0.47

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	1.20	0.51	0.99	0.49
10.70	1.24	0.53	1.02	0.53
10.80	1.28	0.56	1.06	0.59
10.90	1.32	0.59	1.10	0.64
11.00	1.36	0.63	1.14	0.69
11.10	1.41	0.67	1.19	0.76
11.20	1.46	0.71	1.24	0.84
11.30	1.52	0.76	1.30	0.94
11.40	1.59	0.81	1.37	1.03
11.50	1.66	0.87	1.44	1.13
11.60	1.75	0.95	1.53	1.31
11.70	1.85	1.04	1.63	1.58
11.80	1.99	1.15	1.76	1.88
11.90	2.18	1.32	1.95	2.51
12.00	2.51	1.62	2.28	3.76
12.10	3.05	2.12	2.82	6.21
12.20	3.24	2.30	3.01	7.21
12.30	3.38	2.43	3.14	4.49
12.40	3.48	2.52	3.24	2.84
12.50	3.57	2.61	3.34	2.07
12.60	3.64	2.68	3.41	1.70
12.70	3.71	2.74	3.47	1.38
12.80	3.77	2.79	3.53	1.21
12.90	3.82	2.85	3.59	1.10
13.00	3.87	2.89	3.64	1.00
13.10	3.91	2.94	3.68	0.90
13.20	3.95	2.97	3.72	0.82
13.30	3.99	3.01	3.76	0.75
13.40	4.03	3.04	3.79	0.69
13.50	4.06	3.07	3.82	0.64
13.60	4.09	3.10	3.85	0.58
13.70	4.11	3.13	3.88	0.54
13.80	4.14	3.15	3.91	0.51
13.90	4.17	3.18	3.93	0.50
14.00	4.19	3.20	3.96	0.48
14.10	4.22	3.23	3.98	0.46
14.20	4.24	3.25	4.01	0.45
14.30	4.26	3.27	4.03	0.43
14.40	4.29	3.29	4.05	0.42
14.50	4.31	3.31	4.07	0.40
14.60	4.33	3.33	4.09	0.39
14.70	4.35	3.35	4.11	0.37
14.80	4.37	3.37	4.13	0.36
14.90	4.38	3.39	4.15	0.34
15.00	4.40	3.40	4.16	0.33
15.10	4.42	3.42	4.18	0.31
15.20	4.43	3.43	4.20	0.30
15.30	4.45	3.45	4.21	0.29
15.40	4.46	3.46	4.23	0.29
15.50	4.48	3.48	4.24	0.28
15.60	4.49	3.49	4.26	0.28
15.70	4.51	3.51	4.27	0.28
15.80	4.52	3.52	4.29	0.27

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	4.54	3.53	4.30	0.27
16.00	4.55	3.55	4.32	0.26
16.10	4.57	3.56	4.33	0.26
16.20	4.58	3.57	4.34	0.25
16.30	4.59	3.59	4.36	0.25
16.40	4.61	3.60	4.37	0.25
16.50	4.62	3.61	4.38	0.24
16.60	4.63	3.62	4.39	0.24
16.70	4.64	3.64	4.41	0.23
16.80	4.66	3.65	4.42	0.23
16.90	4.67	3.66	4.43	0.22
17.00	4.68	3.67	4.44	0.22
17.10	4.69	3.68	4.45	0.22
17.20	4.70	3.69	4.47	0.21
17.30	4.71	3.70	4.48	0.21
17.40	4.72	3.71	4.49	0.20
17.50	4.73	3.72	4.50	0.20
17.60	4.74	3.73	4.51	0.19
17.70	4.75	3.74	4.52	0.19
17.80	4.76	3.75	4.53	0.19
17.90	4.77	3.76	4.54	0.18
18.00	4.78	3.77	4.55	0.18
18.10	4.79	3.78	4.56	0.17
18.20	4.80	3.79	4.57	0.17
18.30	4.81	3.80	4.57	0.17
18.40	4.82	3.81	4.58	0.17
18.50	4.83	3.82	4.59	0.17
18.60	4.84	3.82	4.60	0.16
18.70	4.85	3.83	4.61	0.16
18.80	4.86	3.84	4.62	0.16
18.90	4.86	3.85	4.63	0.16
19.00	4.87	3.86	4.64	0.16
19.10	4.88	3.87	4.64	0.16
19.20	4.89	3.87	4.65	0.16
19.30	4.90	3.88	4.66	0.16
19.40	4.91	3.89	4.67	0.16
19.50	4.91	3.90	4.68	0.15
19.60	4.92	3.91	4.69	0.15
19.70	4.93	3.92	4.69	0.15
19.80	4.94	3.92	4.70	0.15
19.90	4.95	3.93	4.71	0.15
20.00	4.96	3.94	4.72	0.15
20.10	4.96	3.95	4.73	0.15
20.20	4.97	3.95	4.73	0.15
20.30	4.98	3.96	4.74	0.15
20.40	4.99	3.97	4.75	0.15
20.50	5.00	3.98	4.76	0.14
20.60	5.00	3.98	4.77	0.14
20.70	5.01	3.99	4.77	0.14
20.80	5.02	4.00	4.78	0.14
20.90	5.03	4.01	4.79	0.14
21.00	5.03	4.01	4.80	0.14
21.10	5.04	4.02	4.80	0.14

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	5.05	4.03	4.81	0.14
21.30	5.06	4.04	4.82	0.14
21.40	5.06	4.04	4.83	0.13
21.50	5.07	4.05	4.83	0.13
21.60	5.08	4.06	4.84	0.13
21.70	5.08	4.06	4.85	0.13
21.80	5.09	4.07	4.85	0.13
21.90	5.10	4.08	4.86	0.13
22.00	5.10	4.08	4.87	0.13
22.10	5.11	4.09	4.87	0.13
22.20	5.12	4.10	4.88	0.13
22.30	5.12	4.10	4.89	0.13
22.40	5.13	4.11	4.89	0.12
22.50	5.14	4.12	4.90	0.12
22.60	5.14	4.12	4.91	0.12
22.70	5.15	4.13	4.91	0.12
22.80	5.16	4.14	4.92	0.12
22.90	5.16	4.14	4.93	0.12
23.00	5.17	4.15	4.93	0.12
23.10	5.18	4.15	4.94	0.12
23.20	5.18	4.16	4.95	0.12
23.30	5.19	4.17	4.95	0.11
23.40	5.19	4.17	4.96	0.11
23.50	5.20	4.18	4.96	0.11
23.60	5.21	4.18	4.97	0.11
23.70	5.21	4.19	4.98	0.11
23.80	5.22	4.19	4.98	0.11
23.90	5.22	4.20	4.99	0.11
24.00	5.23	4.21	4.99	0.11
24.10	5.23	4.21	4.99	0.08
24.20	5.23	4.21	4.99	0.02
24.30	5.23	4.21	4.99	0.01
24.40	5.23	4.21	4.99	0.00
24.50	5.23	4.21	4.99	0.00
24.60	5.23	4.21	4.99	0.00
24.70	5.23	4.21	4.99	0.00
24.80	5.23	4.21	4.99	0.00
24.90	5.23	4.21	4.99	0.00
25.00	5.23	4.21	4.99	0.00
25.10	5.23	4.21	4.99	0.00
25.20	5.23	4.21	4.99	0.00
25.30	5.23	4.21	4.99	0.00
25.40	5.23	4.21	4.99	0.00
25.50	5.23	4.21	4.99	0.00
25.60	5.23	4.21	4.99	0.00
25.70	5.23	4.21	4.99	0.00
25.80	5.23	4.21	4.99	0.00
25.90	5.23	4.21	4.99	0.00
26.00	5.23	4.21	4.99	0.00
26.10	5.23	4.21	4.99	0.00
26.20	5.23	4.21	4.99	0.00
26.30	5.23	4.21	4.99	0.00
26.40	5.23	4.21	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	5.23	4.21	4.99	0.00
26.60	5.23	4.21	4.99	0.00
26.70	5.23	4.21	4.99	0.00
26.80	5.23	4.21	4.99	0.00
26.90	5.23	4.21	4.99	0.00
27.00	5.23	4.21	4.99	0.00
27.10	5.23	4.21	4.99	0.00
27.20	5.23	4.21	4.99	0.00
27.30	5.23	4.21	4.99	0.00
27.40	5.23	4.21	4.99	0.00
27.50	5.23	4.21	4.99	0.00
27.60	5.23	4.21	4.99	0.00
27.70	5.23	4.21	4.99	0.00
27.80	5.23	4.21	4.99	0.00
27.90	5.23	4.21	4.99	0.00
28.00	5.23	4.21	4.99	0.00
28.10	5.23	4.21	4.99	0.00
28.20	5.23	4.21	4.99	0.00
28.30	5.23	4.21	4.99	0.00
28.40	5.23	4.21	4.99	0.00
28.50	5.23	4.21	4.99	0.00
28.60	5.23	4.21	4.99	0.00
28.70	5.23	4.21	4.99	0.00
28.80	5.23	4.21	4.99	0.00
28.90	5.23	4.21	4.99	0.00
29.00	5.23	4.21	4.99	0.00
29.10	5.23	4.21	4.99	0.00
29.20	5.23	4.21	4.99	0.00
29.30	5.23	4.21	4.99	0.00
29.40	5.23	4.21	4.99	0.00
29.50	5.23	4.21	4.99	0.00
29.60	5.23	4.21	4.99	0.00
29.70	5.23	4.21	4.99	0.00
29.80	5.23	4.21	4.99	0.00
29.90	5.23	4.21	4.99	0.00
30.00	5.23	4.21	4.99	0.00
30.10	5.23	4.21	4.99	0.00
30.20	5.23	4.21	4.99	0.00
30.30	5.23	4.21	4.99	0.00
30.40	5.23	4.21	4.99	0.00
30.50	5.23	4.21	4.99	0.00
30.60	5.23	4.21	4.99	0.00
30.70	5.23	4.21	4.99	0.00
30.80	5.23	4.21	4.99	0.00
30.90	5.23	4.21	4.99	0.00
31.00	5.23	4.21	4.99	0.00
31.10	5.23	4.21	4.99	0.00
31.20	5.23	4.21	4.99	0.00
31.30	5.23	4.21	4.99	0.00
31.40	5.23	4.21	4.99	0.00
31.50	5.23	4.21	4.99	0.00
31.60	5.23	4.21	4.99	0.00
31.70	5.23	4.21	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	5.23	4.21	4.99	0.00
31.90	5.23	4.21	4.99	0.00
32.00	5.23	4.21	4.99	0.00
32.10	5.23	4.21	4.99	0.00
32.20	5.23	4.21	4.99	0.00
32.30	5.23	4.21	4.99	0.00
32.40	5.23	4.21	4.99	0.00
32.50	5.23	4.21	4.99	0.00
32.60	5.23	4.21	4.99	0.00
32.70	5.23	4.21	4.99	0.00
32.80	5.23	4.21	4.99	0.00
32.90	5.23	4.21	4.99	0.00
33.00	5.23	4.21	4.99	0.00
33.10	5.23	4.21	4.99	0.00
33.20	5.23	4.21	4.99	0.00
33.30	5.23	4.21	4.99	0.00
33.40	5.23	4.21	4.99	0.00
33.50	5.23	4.21	4.99	0.00
33.60	5.23	4.21	4.99	0.00
33.70	5.23	4.21	4.99	0.00
33.80	5.23	4.21	4.99	0.00
33.90	5.23	4.21	4.99	0.00
34.00	5.23	4.21	4.99	0.00
34.10	5.23	4.21	4.99	0.00
34.20	5.23	4.21	4.99	0.00
34.30	5.23	4.21	4.99	0.00
34.40	5.23	4.21	4.99	0.00
34.50	5.23	4.21	4.99	0.00
34.60	5.23	4.21	4.99	0.00
34.70	5.23	4.21	4.99	0.00
34.80	5.23	4.21	4.99	0.00
34.90	5.23	4.21	4.99	0.00
35.00	5.23	4.21	4.99	0.00
35.10	5.23	4.21	4.99	0.00
35.20	5.23	4.21	4.99	0.00
35.30	5.23	4.21	4.99	0.00
35.40	5.23	4.21	4.99	0.00
35.50	5.23	4.21	4.99	0.00
35.60	5.23	4.21	4.99	0.00
35.70	5.23	4.21	4.99	0.00
35.80	5.23	4.21	4.99	0.00
35.90	5.23	4.21	4.99	0.00
36.00	5.23	4.21	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Summary for Subcatchment P-1: Prop. Area to Point 1

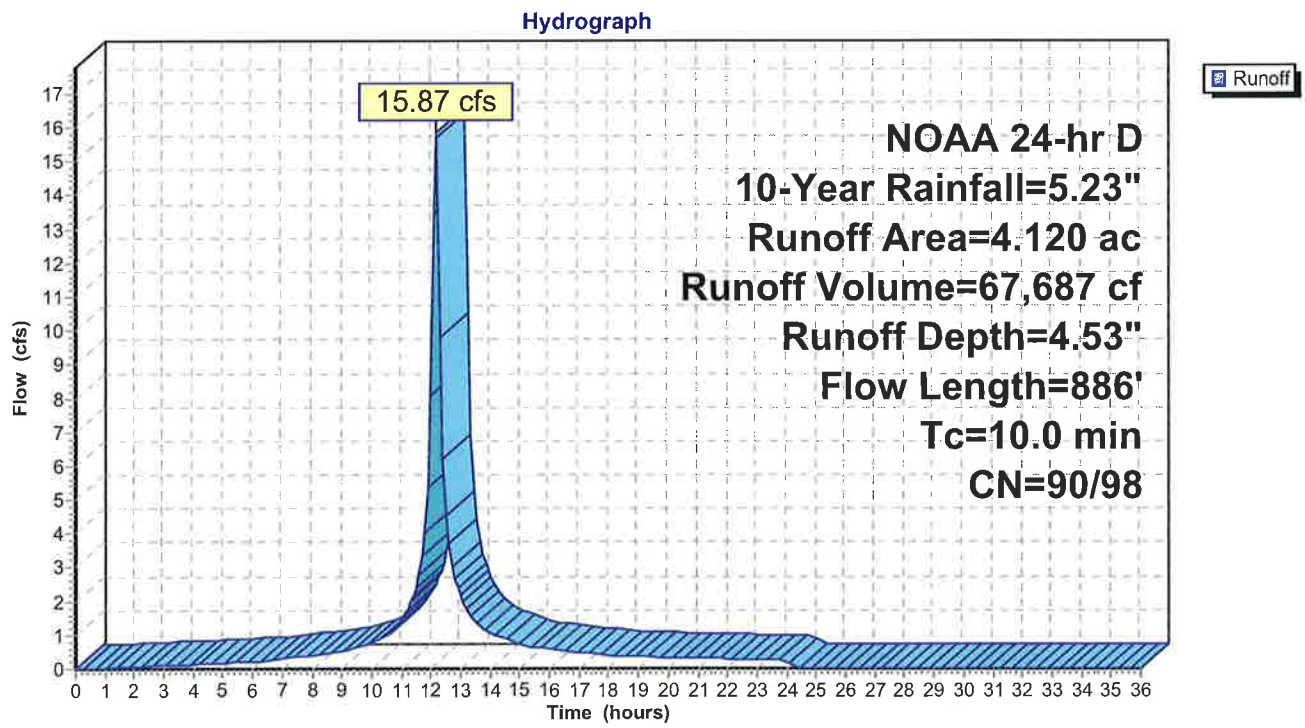
Runoff = 15.87 cfs @ 12.18 hrs, Volume= 67,687 cf, Depth= 4.53"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 10-Year Rainfall=5.23"

Area (ac)	CN	Description
* 1.969	98	Impervious
0.196	80	>75% Grass cover, Good, HSG D
1.372	96	Gravel surface, HSG D
0.583	79	Woods/grass comb., Good, HSG D
4.120	94	Weighted Average
2.151		52.21% Pervious Area
1.969		47.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	150	0.0196	1.53		Sheet Flow, Segment 1: Sheet Flow Smooth surfaces n= 0.011 P2= 3.40"
0.2	63	0.0830	4.64		Shallow Concentrated Flow, Segment 2: Shallow Conc. Flow Unpaved Kv= 16.1 fps
1.1	140	0.0164	2.06		Shallow Concentrated Flow, Segment 3: Shallow Conc. Flow Unpaved Kv= 16.1 fps
5.3	533	0.0110	1.69		Shallow Concentrated Flow, Segment 4: Shallow Conc. Unpaved Kv= 16.1 fps
8.2	886	Total, Increased to minimum Tc = 10.0 min			

Subcatchment P-1: Prop. Area to Point 1



Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.02	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.03	0.00	0.00	0.00
0.60	0.04	0.00	0.00	0.00
0.70	0.04	0.00	0.00	0.00
0.80	0.05	0.00	0.00	0.00
0.90	0.05	0.00	0.00	0.00
1.00	0.06	0.00	0.00	0.01
1.10	0.07	0.00	0.00	0.02
1.20	0.07	0.00	0.00	0.02
1.30	0.08	0.00	0.01	0.03
1.40	0.09	0.00	0.01	0.03
1.50	0.09	0.00	0.01	0.04
1.60	0.10	0.00	0.01	0.04
1.70	0.11	0.00	0.02	0.05
1.80	0.11	0.00	0.02	0.05
1.90	0.12	0.00	0.02	0.06
2.00	0.13	0.00	0.02	0.06
2.10	0.13	0.00	0.03	0.07
2.20	0.14	0.00	0.03	0.07
2.30	0.15	0.00	0.04	0.07
2.40	0.15	0.00	0.04	0.08
2.50	0.16	0.00	0.04	0.08
2.60	0.17	0.00	0.05	0.08
2.70	0.17	0.00	0.05	0.09
2.80	0.18	0.00	0.06	0.09
2.90	0.19	0.00	0.06	0.09
3.00	0.20	0.00	0.07	0.10
3.10	0.20	0.00	0.07	0.10
3.20	0.21	0.00	0.08	0.10
3.30	0.22	0.00	0.08	0.10
3.40	0.23	0.00	0.09	0.11
3.50	0.23	0.00	0.09	0.11
3.60	0.24	0.00	0.10	0.11
3.70	0.25	0.00	0.11	0.12
3.80	0.26	0.00	0.11	0.12
3.90	0.27	0.00	0.12	0.13
4.00	0.27	0.00	0.12	0.13
4.10	0.28	0.00	0.13	0.14
4.20	0.29	0.00	0.14	0.14
4.30	0.30	0.00	0.14	0.15
4.40	0.31	0.01	0.15	0.15
4.50	0.32	0.01	0.16	0.16
4.60	0.32	0.01	0.16	0.16
4.70	0.33	0.01	0.17	0.16
4.80	0.34	0.01	0.18	0.17
4.90	0.35	0.01	0.19	0.17
5.00	0.36	0.01	0.19	0.18
5.10	0.37	0.02	0.20	0.18
5.20	0.37	0.02	0.21	0.18

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.38	0.02	0.21	0.19
5.40	0.39	0.02	0.22	0.19
5.50	0.40	0.02	0.23	0.20
5.60	0.41	0.03	0.24	0.20
5.70	0.42	0.03	0.25	0.20
5.80	0.43	0.03	0.25	0.21
5.90	0.44	0.03	0.26	0.21
6.00	0.45	0.04	0.27	0.22
6.10	0.46	0.04	0.28	0.22
6.20	0.47	0.04	0.29	0.23
6.30	0.48	0.05	0.30	0.24
6.40	0.49	0.05	0.30	0.25
6.50	0.50	0.05	0.31	0.25
6.60	0.51	0.06	0.32	0.26
6.70	0.52	0.06	0.33	0.27
6.80	0.53	0.07	0.34	0.28
6.90	0.54	0.07	0.35	0.29
7.00	0.55	0.08	0.36	0.30
7.10	0.56	0.08	0.38	0.31
7.20	0.57	0.08	0.39	0.32
7.30	0.59	0.09	0.40	0.33
7.40	0.60	0.10	0.41	0.34
7.50	0.61	0.10	0.42	0.35
7.60	0.62	0.11	0.43	0.36
7.70	0.64	0.11	0.44	0.37
7.80	0.65	0.12	0.46	0.38
7.90	0.66	0.13	0.47	0.39
8.00	0.68	0.13	0.48	0.40
8.10	0.69	0.14	0.50	0.41
8.20	0.71	0.15	0.51	0.42
8.30	0.72	0.15	0.52	0.43
8.40	0.74	0.16	0.54	0.44
8.50	0.75	0.17	0.55	0.45
8.60	0.77	0.18	0.57	0.46
8.70	0.78	0.19	0.58	0.47
8.80	0.80	0.20	0.60	0.48
8.90	0.81	0.21	0.61	0.49
9.00	0.83	0.21	0.63	0.50
9.10	0.85	0.22	0.64	0.51
9.20	0.86	0.24	0.66	0.54
9.30	0.88	0.25	0.68	0.57
9.40	0.90	0.26	0.70	0.60
9.50	0.92	0.27	0.72	0.63
9.60	0.94	0.28	0.74	0.66
9.70	0.97	0.30	0.76	0.69
9.80	0.99	0.31	0.78	0.72
9.90	1.01	0.33	0.80	0.76
10.00	1.04	0.34	0.83	0.79
10.10	1.06	0.36	0.85	0.82
10.20	1.09	0.38	0.88	0.85
10.30	1.12	0.40	0.90	0.89
10.40	1.14	0.42	0.93	0.92
10.50	1.17	0.44	0.96	0.95

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	1.20	0.46	0.99	1.01
10.70	1.24	0.48	1.02	1.10
10.80	1.28	0.51	1.06	1.21
10.90	1.32	0.54	1.10	1.32
11.00	1.36	0.58	1.14	1.44
11.10	1.41	0.61	1.19	1.58
11.20	1.46	0.65	1.24	1.76
11.30	1.52	0.70	1.30	1.96
11.40	1.59	0.75	1.37	2.17
11.50	1.66	0.81	1.44	2.38
11.60	1.75	0.89	1.53	2.77
11.70	1.85	0.97	1.63	3.36
11.80	1.99	1.08	1.76	4.01
11.90	2.18	1.25	1.95	5.36
12.00	2.51	1.54	2.28	8.09
12.10	3.05	2.03	2.82	13.44
12.20	3.24	2.21	3.01	15.67
12.30	3.38	2.33	3.14	9.79
12.40	3.48	2.43	3.24	6.21
12.50	3.57	2.52	3.34	4.54
12.60	3.64	2.58	3.41	3.72
12.70	3.71	2.64	3.47	3.03
12.80	3.77	2.70	3.53	2.66
12.90	3.82	2.75	3.59	2.42
13.00	3.87	2.80	3.64	2.20
13.10	3.91	2.84	3.68	1.99
13.20	3.95	2.88	3.72	1.79
13.30	3.99	2.91	3.76	1.65
13.40	4.03	2.94	3.79	1.53
13.50	4.06	2.97	3.82	1.40
13.60	4.09	3.00	3.85	1.28
13.70	4.11	3.03	3.88	1.18
13.80	4.14	3.05	3.91	1.13
13.90	4.17	3.08	3.93	1.09
14.00	4.19	3.10	3.96	1.06
14.10	4.22	3.13	3.98	1.02
14.20	4.24	3.15	4.01	0.99
14.30	4.26	3.17	4.03	0.96
14.40	4.29	3.19	4.05	0.92
14.50	4.31	3.21	4.07	0.89
14.60	4.33	3.23	4.09	0.86
14.70	4.35	3.25	4.11	0.82
14.80	4.37	3.27	4.13	0.79
14.90	4.38	3.28	4.15	0.76
15.00	4.40	3.30	4.16	0.72
15.10	4.42	3.32	4.18	0.69
15.20	4.43	3.33	4.20	0.66
15.30	4.45	3.35	4.21	0.65
15.40	4.46	3.36	4.23	0.64
15.50	4.48	3.38	4.24	0.63
15.60	4.49	3.39	4.26	0.62
15.70	4.51	3.40	4.27	0.61
15.80	4.52	3.42	4.29	0.60

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	4.54	3.43	4.30	0.59
16.00	4.55	3.44	4.32	0.58
16.10	4.57	3.46	4.33	0.57
16.20	4.58	3.47	4.34	0.56
16.30	4.59	3.48	4.36	0.55
16.40	4.61	3.50	4.37	0.54
16.50	4.62	3.51	4.38	0.53
16.60	4.63	3.52	4.39	0.52
16.70	4.64	3.53	4.41	0.51
16.80	4.66	3.54	4.42	0.51
16.90	4.67	3.56	4.43	0.50
17.00	4.68	3.57	4.44	0.49
17.10	4.69	3.58	4.45	0.48
17.20	4.70	3.59	4.47	0.47
17.30	4.71	3.60	4.48	0.46
17.40	4.72	3.61	4.49	0.45
17.50	4.73	3.62	4.50	0.44
17.60	4.74	3.63	4.51	0.43
17.70	4.75	3.64	4.52	0.42
17.80	4.76	3.65	4.53	0.41
17.90	4.77	3.66	4.54	0.40
18.00	4.78	3.67	4.55	0.39
18.10	4.79	3.68	4.56	0.38
18.20	4.80	3.69	4.57	0.37
18.30	4.81	3.69	4.57	0.37
18.40	4.82	3.70	4.58	0.37
18.50	4.83	3.71	4.59	0.37
18.60	4.84	3.72	4.60	0.36
18.70	4.85	3.73	4.61	0.36
18.80	4.86	3.74	4.62	0.36
18.90	4.86	3.75	4.63	0.36
19.00	4.87	3.75	4.64	0.35
19.10	4.88	3.76	4.64	0.35
19.20	4.89	3.77	4.65	0.35
19.30	4.90	3.78	4.66	0.35
19.40	4.91	3.79	4.67	0.34
19.50	4.91	3.79	4.68	0.34
19.60	4.92	3.80	4.69	0.34
19.70	4.93	3.81	4.69	0.34
19.80	4.94	3.82	4.70	0.34
19.90	4.95	3.83	4.71	0.33
20.00	4.96	3.83	4.72	0.33
20.10	4.96	3.84	4.73	0.33
20.20	4.97	3.85	4.73	0.33
20.30	4.98	3.86	4.74	0.32
20.40	4.99	3.86	4.75	0.32
20.50	5.00	3.87	4.76	0.32
20.60	5.00	3.88	4.77	0.32
20.70	5.01	3.89	4.77	0.31
20.80	5.02	3.89	4.78	0.31
20.90	5.03	3.90	4.79	0.31
21.00	5.03	3.91	4.80	0.31
21.10	5.04	3.92	4.80	0.30

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	5.05	3.92	4.81	0.30
21.30	5.06	3.93	4.82	0.30
21.40	5.06	3.94	4.83	0.30
21.50	5.07	3.94	4.83	0.30
21.60	5.08	3.95	4.84	0.29
21.70	5.08	3.96	4.85	0.29
21.80	5.09	3.96	4.85	0.29
21.90	5.10	3.97	4.86	0.29
22.00	5.10	3.98	4.87	0.28
22.10	5.11	3.98	4.87	0.28
22.20	5.12	3.99	4.88	0.28
22.30	5.12	4.00	4.89	0.28
22.40	5.13	4.00	4.89	0.27
22.50	5.14	4.01	4.90	0.27
22.60	5.14	4.02	4.91	0.27
22.70	5.15	4.02	4.91	0.27
22.80	5.16	4.03	4.92	0.26
22.90	5.16	4.03	4.93	0.26
23.00	5.17	4.04	4.93	0.26
23.10	5.18	4.05	4.94	0.26
23.20	5.18	4.05	4.95	0.26
23.30	5.19	4.06	4.95	0.25
23.40	5.19	4.06	4.96	0.25
23.50	5.20	4.07	4.96	0.25
23.60	5.21	4.08	4.97	0.25
23.70	5.21	4.08	4.98	0.24
23.80	5.22	4.09	4.98	0.24
23.90	5.22	4.09	4.99	0.24
24.00	5.23	4.10	4.99	0.24
24.10	5.23	4.10	4.99	0.18
24.20	5.23	4.10	4.99	0.05
24.30	5.23	4.10	4.99	0.01
24.40	5.23	4.10	4.99	0.00
24.50	5.23	4.10	4.99	0.00
24.60	5.23	4.10	4.99	0.00
24.70	5.23	4.10	4.99	0.00
24.80	5.23	4.10	4.99	0.00
24.90	5.23	4.10	4.99	0.00
25.00	5.23	4.10	4.99	0.00
25.10	5.23	4.10	4.99	0.00
25.20	5.23	4.10	4.99	0.00
25.30	5.23	4.10	4.99	0.00
25.40	5.23	4.10	4.99	0.00
25.50	5.23	4.10	4.99	0.00
25.60	5.23	4.10	4.99	0.00
25.70	5.23	4.10	4.99	0.00
25.80	5.23	4.10	4.99	0.00
25.90	5.23	4.10	4.99	0.00
26.00	5.23	4.10	4.99	0.00
26.10	5.23	4.10	4.99	0.00
26.20	5.23	4.10	4.99	0.00
26.30	5.23	4.10	4.99	0.00
26.40	5.23	4.10	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	5.23	4.10	4.99	0.00
26.60	5.23	4.10	4.99	0.00
26.70	5.23	4.10	4.99	0.00
26.80	5.23	4.10	4.99	0.00
26.90	5.23	4.10	4.99	0.00
27.00	5.23	4.10	4.99	0.00
27.10	5.23	4.10	4.99	0.00
27.20	5.23	4.10	4.99	0.00
27.30	5.23	4.10	4.99	0.00
27.40	5.23	4.10	4.99	0.00
27.50	5.23	4.10	4.99	0.00
27.60	5.23	4.10	4.99	0.00
27.70	5.23	4.10	4.99	0.00
27.80	5.23	4.10	4.99	0.00
27.90	5.23	4.10	4.99	0.00
28.00	5.23	4.10	4.99	0.00
28.10	5.23	4.10	4.99	0.00
28.20	5.23	4.10	4.99	0.00
28.30	5.23	4.10	4.99	0.00
28.40	5.23	4.10	4.99	0.00
28.50	5.23	4.10	4.99	0.00
28.60	5.23	4.10	4.99	0.00
28.70	5.23	4.10	4.99	0.00
28.80	5.23	4.10	4.99	0.00
28.90	5.23	4.10	4.99	0.00
29.00	5.23	4.10	4.99	0.00
29.10	5.23	4.10	4.99	0.00
29.20	5.23	4.10	4.99	0.00
29.30	5.23	4.10	4.99	0.00
29.40	5.23	4.10	4.99	0.00
29.50	5.23	4.10	4.99	0.00
29.60	5.23	4.10	4.99	0.00
29.70	5.23	4.10	4.99	0.00
29.80	5.23	4.10	4.99	0.00
29.90	5.23	4.10	4.99	0.00
30.00	5.23	4.10	4.99	0.00
30.10	5.23	4.10	4.99	0.00
30.20	5.23	4.10	4.99	0.00
30.30	5.23	4.10	4.99	0.00
30.40	5.23	4.10	4.99	0.00
30.50	5.23	4.10	4.99	0.00
30.60	5.23	4.10	4.99	0.00
30.70	5.23	4.10	4.99	0.00
30.80	5.23	4.10	4.99	0.00
30.90	5.23	4.10	4.99	0.00
31.00	5.23	4.10	4.99	0.00
31.10	5.23	4.10	4.99	0.00
31.20	5.23	4.10	4.99	0.00
31.30	5.23	4.10	4.99	0.00
31.40	5.23	4.10	4.99	0.00
31.50	5.23	4.10	4.99	0.00
31.60	5.23	4.10	4.99	0.00
31.70	5.23	4.10	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	5.23	4.10	4.99	0.00
31.90	5.23	4.10	4.99	0.00
32.00	5.23	4.10	4.99	0.00
32.10	5.23	4.10	4.99	0.00
32.20	5.23	4.10	4.99	0.00
32.30	5.23	4.10	4.99	0.00
32.40	5.23	4.10	4.99	0.00
32.50	5.23	4.10	4.99	0.00
32.60	5.23	4.10	4.99	0.00
32.70	5.23	4.10	4.99	0.00
32.80	5.23	4.10	4.99	0.00
32.90	5.23	4.10	4.99	0.00
33.00	5.23	4.10	4.99	0.00
33.10	5.23	4.10	4.99	0.00
33.20	5.23	4.10	4.99	0.00
33.30	5.23	4.10	4.99	0.00
33.40	5.23	4.10	4.99	0.00
33.50	5.23	4.10	4.99	0.00
33.60	5.23	4.10	4.99	0.00
33.70	5.23	4.10	4.99	0.00
33.80	5.23	4.10	4.99	0.00
33.90	5.23	4.10	4.99	0.00
34.00	5.23	4.10	4.99	0.00
34.10	5.23	4.10	4.99	0.00
34.20	5.23	4.10	4.99	0.00
34.30	5.23	4.10	4.99	0.00
34.40	5.23	4.10	4.99	0.00
34.50	5.23	4.10	4.99	0.00
34.60	5.23	4.10	4.99	0.00
34.70	5.23	4.10	4.99	0.00
34.80	5.23	4.10	4.99	0.00
34.90	5.23	4.10	4.99	0.00
35.00	5.23	4.10	4.99	0.00
35.10	5.23	4.10	4.99	0.00
35.20	5.23	4.10	4.99	0.00
35.30	5.23	4.10	4.99	0.00
35.40	5.23	4.10	4.99	0.00
35.50	5.23	4.10	4.99	0.00
35.60	5.23	4.10	4.99	0.00
35.70	5.23	4.10	4.99	0.00
35.80	5.23	4.10	4.99	0.00
35.90	5.23	4.10	4.99	0.00
36.00	5.23	4.10	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Summary for Subcatchment P-2: Prop. Area to Point 2

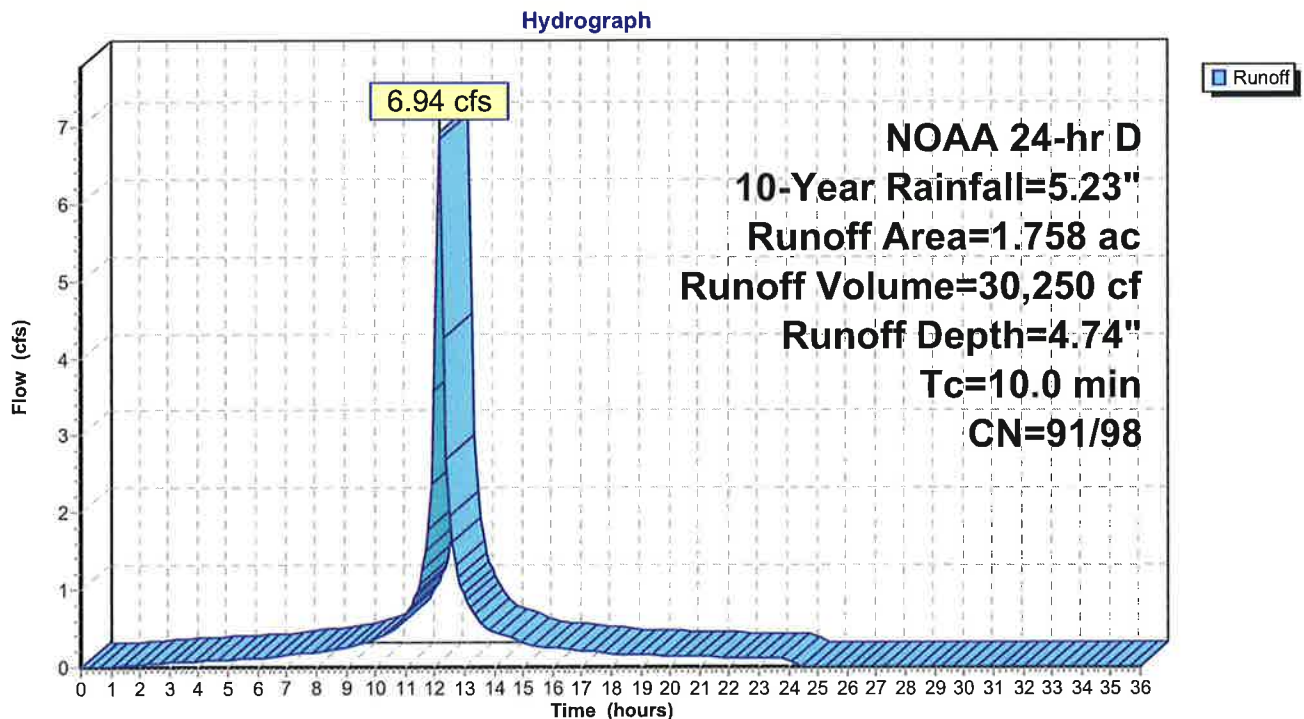
Runoff = 6.94 cfs @ 12.18 hrs, Volume= 30,250 cf, Depth= 4.74"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 10-Year Rainfall=5.23"

Area (ac)	CN	Description
* 1.194	98	Impervious
0.402	96	Gravel surface, HSG D
0.162	80	>75% Grass cover, Good, HSG D
1.758	96	Weighted Average
0.564		32.08% Pervious Area
1.194		67.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Direct Entry

Subcatchment P-2: Prop. Area to Point 2



Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.01	0.00	0.00	0.00
0.30	0.02	0.00	0.00	0.00
0.40	0.02	0.00	0.00	0.00
0.50	0.03	0.00	0.00	0.00
0.60	0.04	0.00	0.00	0.00
0.70	0.04	0.00	0.00	0.00
0.80	0.05	0.00	0.00	0.00
0.90	0.05	0.00	0.00	0.00
1.00	0.06	0.00	0.00	0.01
1.10	0.07	0.00	0.00	0.01
1.20	0.07	0.00	0.00	0.01
1.30	0.08	0.00	0.01	0.02
1.40	0.09	0.00	0.01	0.02
1.50	0.09	0.00	0.01	0.02
1.60	0.10	0.00	0.01	0.03
1.70	0.11	0.00	0.02	0.03
1.80	0.11	0.00	0.02	0.03
1.90	0.12	0.00	0.02	0.04
2.00	0.13	0.00	0.02	0.04
2.10	0.13	0.00	0.03	0.04
2.20	0.14	0.00	0.03	0.04
2.30	0.15	0.00	0.04	0.04
2.40	0.15	0.00	0.04	0.05
2.50	0.16	0.00	0.04	0.05
2.60	0.17	0.00	0.05	0.05
2.70	0.17	0.00	0.05	0.05
2.80	0.18	0.00	0.06	0.05
2.90	0.19	0.00	0.06	0.06
3.00	0.20	0.00	0.07	0.06
3.10	0.20	0.00	0.07	0.06
3.20	0.21	0.00	0.08	0.06
3.30	0.22	0.00	0.08	0.06
3.40	0.23	0.00	0.09	0.07
3.50	0.23	0.00	0.09	0.07
3.60	0.24	0.00	0.10	0.07
3.70	0.25	0.00	0.11	0.07
3.80	0.26	0.00	0.11	0.07
3.90	0.27	0.00	0.12	0.08
4.00	0.27	0.01	0.12	0.08
4.10	0.28	0.01	0.13	0.08
4.20	0.29	0.01	0.14	0.08
4.30	0.30	0.01	0.14	0.08
4.40	0.31	0.01	0.15	0.09
4.50	0.32	0.01	0.16	0.09
4.60	0.32	0.01	0.16	0.09
4.70	0.33	0.02	0.17	0.09
4.80	0.34	0.02	0.18	0.09
4.90	0.35	0.02	0.19	0.10
5.00	0.36	0.02	0.19	0.10
5.10	0.37	0.02	0.20	0.10
5.20	0.37	0.03	0.21	0.10

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 10-Year Rainfall=5.23"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.38	0.03	0.21	0.10
5.40	0.39	0.03	0.22	0.10
5.50	0.40	0.03	0.23	0.11
5.60	0.41	0.04	0.24	0.11
5.70	0.42	0.04	0.25	0.11
5.80	0.43	0.04	0.25	0.11
5.90	0.44	0.05	0.26	0.11
6.00	0.45	0.05	0.27	0.11
6.10	0.46	0.05	0.28	0.12
6.20	0.47	0.06	0.29	0.12
6.30	0.48	0.06	0.30	0.12
6.40	0.49	0.06	0.30	0.13
6.50	0.50	0.07	0.31	0.13
6.60	0.51	0.07	0.32	0.14
6.70	0.52	0.08	0.33	0.14
6.80	0.53	0.08	0.34	0.14
6.90	0.54	0.09	0.35	0.15
7.00	0.55	0.09	0.36	0.15
7.10	0.56	0.10	0.38	0.16
7.20	0.57	0.10	0.39	0.16
7.30	0.59	0.11	0.40	0.16
7.40	0.60	0.12	0.41	0.17
7.50	0.61	0.12	0.42	0.17
7.60	0.62	0.13	0.43	0.18
7.70	0.64	0.14	0.44	0.18
7.80	0.65	0.14	0.46	0.19
7.90	0.66	0.15	0.47	0.19
8.00	0.68	0.16	0.48	0.19
8.10	0.69	0.17	0.50	0.20
8.20	0.71	0.17	0.51	0.20
8.30	0.72	0.18	0.52	0.21
8.40	0.74	0.19	0.54	0.21
8.50	0.75	0.20	0.55	0.22
8.60	0.77	0.21	0.57	0.22
8.70	0.78	0.22	0.58	0.23
8.80	0.80	0.23	0.60	0.23
8.90	0.81	0.24	0.61	0.23
9.00	0.83	0.25	0.63	0.24
9.10	0.85	0.26	0.64	0.25
9.20	0.86	0.27	0.66	0.26
9.30	0.88	0.28	0.68	0.27
9.40	0.90	0.29	0.70	0.28
9.50	0.92	0.31	0.72	0.30
9.60	0.94	0.32	0.74	0.31
9.70	0.97	0.34	0.76	0.33
9.80	0.99	0.35	0.78	0.34
9.90	1.01	0.37	0.80	0.35
10.00	1.04	0.39	0.83	0.37
10.10	1.06	0.40	0.85	0.38
10.20	1.09	0.42	0.88	0.40
10.30	1.12	0.44	0.90	0.41
10.40	1.14	0.46	0.93	0.43
10.50	1.17	0.48	0.96	0.44

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	1.20	0.51	0.99	0.46
10.70	1.24	0.53	1.02	0.51
10.80	1.28	0.56	1.06	0.56
10.90	1.32	0.59	1.10	0.61
11.00	1.36	0.63	1.14	0.66
11.10	1.41	0.67	1.19	0.72
11.20	1.46	0.71	1.24	0.80
11.30	1.52	0.76	1.30	0.89
11.40	1.59	0.81	1.37	0.98
11.50	1.66	0.87	1.44	1.07
11.60	1.75	0.95	1.53	1.24
11.70	1.85	1.04	1.63	1.50
11.80	1.99	1.15	1.76	1.79
11.90	2.18	1.32	1.95	2.38
12.00	2.51	1.62	2.28	3.57
12.10	3.05	2.12	2.82	5.90
12.20	3.24	2.30	3.01	6.85
12.30	3.38	2.43	3.14	4.26
12.40	3.48	2.52	3.24	2.70
12.50	3.57	2.61	3.34	1.97
12.60	3.64	2.68	3.41	1.61
12.70	3.71	2.74	3.47	1.31
12.80	3.77	2.79	3.53	1.15
12.90	3.82	2.85	3.59	1.05
13.00	3.87	2.89	3.64	0.95
13.10	3.91	2.94	3.68	0.86
13.20	3.95	2.97	3.72	0.78
13.30	3.99	3.01	3.76	0.71
13.40	4.03	3.04	3.79	0.66
13.50	4.06	3.07	3.82	0.61
13.60	4.09	3.10	3.85	0.55
13.70	4.11	3.13	3.88	0.51
13.80	4.14	3.15	3.91	0.49
13.90	4.17	3.18	3.93	0.47
14.00	4.19	3.20	3.96	0.46
14.10	4.22	3.23	3.98	0.44
14.20	4.24	3.25	4.01	0.43
14.30	4.26	3.27	4.03	0.41
14.40	4.29	3.29	4.05	0.40
14.50	4.31	3.31	4.07	0.38
14.60	4.33	3.33	4.09	0.37
14.70	4.35	3.35	4.11	0.36
14.80	4.37	3.37	4.13	0.34
14.90	4.38	3.39	4.15	0.33
15.00	4.40	3.40	4.16	0.31
15.10	4.42	3.42	4.18	0.30
15.20	4.43	3.43	4.20	0.29
15.30	4.45	3.45	4.21	0.28
15.40	4.46	3.46	4.23	0.27
15.50	4.48	3.48	4.24	0.27
15.60	4.49	3.49	4.26	0.27
15.70	4.51	3.51	4.27	0.26
15.80	4.52	3.52	4.29	0.26

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	4.54	3.53	4.30	0.25
16.00	4.55	3.55	4.32	0.25
16.10	4.57	3.56	4.33	0.25
16.20	4.58	3.57	4.34	0.24
16.30	4.59	3.59	4.36	0.24
16.40	4.61	3.60	4.37	0.23
16.50	4.62	3.61	4.38	0.23
16.60	4.63	3.62	4.39	0.23
16.70	4.64	3.64	4.41	0.22
16.80	4.66	3.65	4.42	0.22
16.90	4.67	3.66	4.43	0.21
17.00	4.68	3.67	4.44	0.21
17.10	4.69	3.68	4.45	0.21
17.20	4.70	3.69	4.47	0.20
17.30	4.71	3.70	4.48	0.20
17.40	4.72	3.71	4.49	0.19
17.50	4.73	3.72	4.50	0.19
17.60	4.74	3.73	4.51	0.19
17.70	4.75	3.74	4.52	0.18
17.80	4.76	3.75	4.53	0.18
17.90	4.77	3.76	4.54	0.17
18.00	4.78	3.77	4.55	0.17
18.10	4.79	3.78	4.56	0.17
18.20	4.80	3.79	4.57	0.16
18.30	4.81	3.80	4.57	0.16
18.40	4.82	3.81	4.58	0.16
18.50	4.83	3.82	4.59	0.16
18.60	4.84	3.82	4.60	0.16
18.70	4.85	3.83	4.61	0.16
18.80	4.86	3.84	4.62	0.15
18.90	4.86	3.85	4.63	0.15
19.00	4.87	3.86	4.64	0.15
19.10	4.88	3.87	4.64	0.15
19.20	4.89	3.87	4.65	0.15
19.30	4.90	3.88	4.66	0.15
19.40	4.91	3.89	4.67	0.15
19.50	4.91	3.90	4.68	0.15
19.60	4.92	3.91	4.69	0.15
19.70	4.93	3.92	4.69	0.15
19.80	4.94	3.92	4.70	0.14
19.90	4.95	3.93	4.71	0.14
20.00	4.96	3.94	4.72	0.14
20.10	4.96	3.95	4.73	0.14
20.20	4.97	3.95	4.73	0.14
20.30	4.98	3.96	4.74	0.14
20.40	4.99	3.97	4.75	0.14
20.50	5.00	3.98	4.76	0.14
20.60	5.00	3.98	4.77	0.14
20.70	5.01	3.99	4.77	0.14
20.80	5.02	4.00	4.78	0.13
20.90	5.03	4.01	4.79	0.13
21.00	5.03	4.01	4.80	0.13
21.10	5.04	4.02	4.80	0.13

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	5.05	4.03	4.81	0.13
21.30	5.06	4.04	4.82	0.13
21.40	5.06	4.04	4.83	0.13
21.50	5.07	4.05	4.83	0.13
21.60	5.08	4.06	4.84	0.13
21.70	5.08	4.06	4.85	0.12
21.80	5.09	4.07	4.85	0.12
21.90	5.10	4.08	4.86	0.12
22.00	5.10	4.08	4.87	0.12
22.10	5.11	4.09	4.87	0.12
22.20	5.12	4.10	4.88	0.12
22.30	5.12	4.10	4.89	0.12
22.40	5.13	4.11	4.89	0.12
22.50	5.14	4.12	4.90	0.12
22.60	5.14	4.12	4.91	0.12
22.70	5.15	4.13	4.91	0.11
22.80	5.16	4.14	4.92	0.11
22.90	5.16	4.14	4.93	0.11
23.00	5.17	4.15	4.93	0.11
23.10	5.18	4.15	4.94	0.11
23.20	5.18	4.16	4.95	0.11
23.30	5.19	4.17	4.95	0.11
23.40	5.19	4.17	4.96	0.11
23.50	5.20	4.18	4.96	0.11
23.60	5.21	4.18	4.97	0.11
23.70	5.21	4.19	4.98	0.10
23.80	5.22	4.19	4.98	0.10
23.90	5.22	4.20	4.99	0.10
24.00	5.23	4.21	4.99	0.10
24.10	5.23	4.21	4.99	0.08
24.20	5.23	4.21	4.99	0.02
24.30	5.23	4.21	4.99	0.01
24.40	5.23	4.21	4.99	0.00
24.50	5.23	4.21	4.99	0.00
24.60	5.23	4.21	4.99	0.00
24.70	5.23	4.21	4.99	0.00
24.80	5.23	4.21	4.99	0.00
24.90	5.23	4.21	4.99	0.00
25.00	5.23	4.21	4.99	0.00
25.10	5.23	4.21	4.99	0.00
25.20	5.23	4.21	4.99	0.00
25.30	5.23	4.21	4.99	0.00
25.40	5.23	4.21	4.99	0.00
25.50	5.23	4.21	4.99	0.00
25.60	5.23	4.21	4.99	0.00
25.70	5.23	4.21	4.99	0.00
25.80	5.23	4.21	4.99	0.00
25.90	5.23	4.21	4.99	0.00
26.00	5.23	4.21	4.99	0.00
26.10	5.23	4.21	4.99	0.00
26.20	5.23	4.21	4.99	0.00
26.30	5.23	4.21	4.99	0.00
26.40	5.23	4.21	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	5.23	4.21	4.99	0.00
26.60	5.23	4.21	4.99	0.00
26.70	5.23	4.21	4.99	0.00
26.80	5.23	4.21	4.99	0.00
26.90	5.23	4.21	4.99	0.00
27.00	5.23	4.21	4.99	0.00
27.10	5.23	4.21	4.99	0.00
27.20	5.23	4.21	4.99	0.00
27.30	5.23	4.21	4.99	0.00
27.40	5.23	4.21	4.99	0.00
27.50	5.23	4.21	4.99	0.00
27.60	5.23	4.21	4.99	0.00
27.70	5.23	4.21	4.99	0.00
27.80	5.23	4.21	4.99	0.00
27.90	5.23	4.21	4.99	0.00
28.00	5.23	4.21	4.99	0.00
28.10	5.23	4.21	4.99	0.00
28.20	5.23	4.21	4.99	0.00
28.30	5.23	4.21	4.99	0.00
28.40	5.23	4.21	4.99	0.00
28.50	5.23	4.21	4.99	0.00
28.60	5.23	4.21	4.99	0.00
28.70	5.23	4.21	4.99	0.00
28.80	5.23	4.21	4.99	0.00
28.90	5.23	4.21	4.99	0.00
29.00	5.23	4.21	4.99	0.00
29.10	5.23	4.21	4.99	0.00
29.20	5.23	4.21	4.99	0.00
29.30	5.23	4.21	4.99	0.00
29.40	5.23	4.21	4.99	0.00
29.50	5.23	4.21	4.99	0.00
29.60	5.23	4.21	4.99	0.00
29.70	5.23	4.21	4.99	0.00
29.80	5.23	4.21	4.99	0.00
29.90	5.23	4.21	4.99	0.00
30.00	5.23	4.21	4.99	0.00
30.10	5.23	4.21	4.99	0.00
30.20	5.23	4.21	4.99	0.00
30.30	5.23	4.21	4.99	0.00
30.40	5.23	4.21	4.99	0.00
30.50	5.23	4.21	4.99	0.00
30.60	5.23	4.21	4.99	0.00
30.70	5.23	4.21	4.99	0.00
30.80	5.23	4.21	4.99	0.00
30.90	5.23	4.21	4.99	0.00
31.00	5.23	4.21	4.99	0.00
31.10	5.23	4.21	4.99	0.00
31.20	5.23	4.21	4.99	0.00
31.30	5.23	4.21	4.99	0.00
31.40	5.23	4.21	4.99	0.00
31.50	5.23	4.21	4.99	0.00
31.60	5.23	4.21	4.99	0.00
31.70	5.23	4.21	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	5.23	4.21	4.99	0.00
31.90	5.23	4.21	4.99	0.00
32.00	5.23	4.21	4.99	0.00
32.10	5.23	4.21	4.99	0.00
32.20	5.23	4.21	4.99	0.00
32.30	5.23	4.21	4.99	0.00
32.40	5.23	4.21	4.99	0.00
32.50	5.23	4.21	4.99	0.00
32.60	5.23	4.21	4.99	0.00
32.70	5.23	4.21	4.99	0.00
32.80	5.23	4.21	4.99	0.00
32.90	5.23	4.21	4.99	0.00
33.00	5.23	4.21	4.99	0.00
33.10	5.23	4.21	4.99	0.00
33.20	5.23	4.21	4.99	0.00
33.30	5.23	4.21	4.99	0.00
33.40	5.23	4.21	4.99	0.00
33.50	5.23	4.21	4.99	0.00
33.60	5.23	4.21	4.99	0.00
33.70	5.23	4.21	4.99	0.00
33.80	5.23	4.21	4.99	0.00
33.90	5.23	4.21	4.99	0.00
34.00	5.23	4.21	4.99	0.00
34.10	5.23	4.21	4.99	0.00
34.20	5.23	4.21	4.99	0.00
34.30	5.23	4.21	4.99	0.00
34.40	5.23	4.21	4.99	0.00
34.50	5.23	4.21	4.99	0.00
34.60	5.23	4.21	4.99	0.00
34.70	5.23	4.21	4.99	0.00
34.80	5.23	4.21	4.99	0.00
34.90	5.23	4.21	4.99	0.00
35.00	5.23	4.21	4.99	0.00
35.10	5.23	4.21	4.99	0.00
35.20	5.23	4.21	4.99	0.00
35.30	5.23	4.21	4.99	0.00
35.40	5.23	4.21	4.99	0.00
35.50	5.23	4.21	4.99	0.00
35.60	5.23	4.21	4.99	0.00
35.70	5.23	4.21	4.99	0.00
35.80	5.23	4.21	4.99	0.00
35.90	5.23	4.21	4.99	0.00
36.00	5.23	4.21	4.99	0.00

Pine Belt Nissan - Stormwater Analysis

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Summary for Subcatchment E-1: Ex. Area to Point 1

Runoff = 27.34 cfs @ 12.18 hrs, Volume= 119,172 cf, Depth= 8.15"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 100-Year Rainfall=8.94"

Area (ac)	CN	Description
* 1.725	98	Impervious
0.184	80	>75% Grass cover, Good, HSG D
0.583	79	Woods/grass comb., Good, HSG D
1.538	96	Gravel surface, HSG D
4.030	94	Weighted Average
2.305		57.20% Pervious Area
1.725		42.80% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	150	0.0196	1.53		Sheet Flow, Segment 1: Sheet Flow Smooth surfaces n= 0.011 P2= 3.40"
0.2	63	0.0830	4.64		Shallow Concentrated Flow, Segment 2: Shallow Conc. Flow Unpaved Kv= 16.1 fps
1.1	140	0.0164	2.06		Shallow Concentrated Flow, Segment 3: Shallow Conc. Flow Unpaved Kv= 16.1 fps
5.3	533	0.0110	1.69		Shallow Concentrated Flow, Segment 4: Shallow Conc. Unpaved Kv= 16.1 fps
8.2	886	Total, Increased to minimum Tc = 10.0 min			

Pine Belt Nissan - Stormwater Analysis

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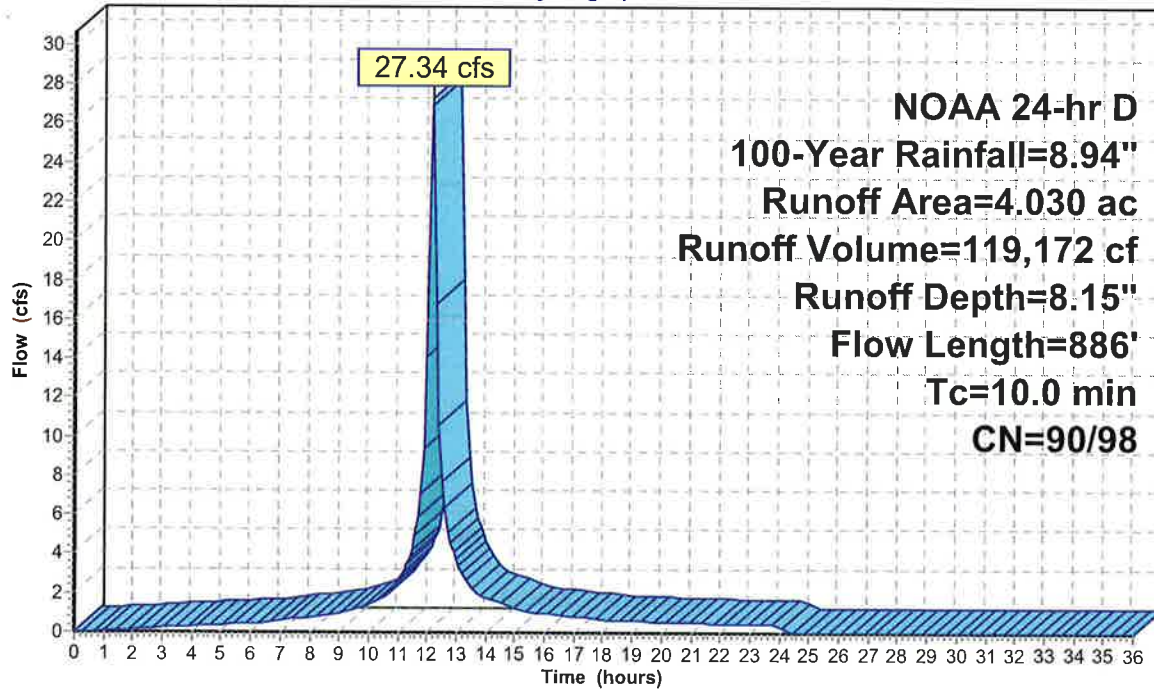
NOAA 24-hr D 100-Year Rainfall=8.94"

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Subcatchment E-1: Ex. Area to Point 1

Hydrograph



Runoff

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.02	0.00	0.00	0.00
0.30	0.03	0.00	0.00	0.00
0.40	0.04	0.00	0.00	0.00
0.50	0.05	0.00	0.00	0.00
0.60	0.06	0.00	0.00	0.01
0.70	0.07	0.00	0.00	0.02
0.80	0.08	0.00	0.01	0.04
0.90	0.09	0.00	0.01	0.05
1.00	0.10	0.00	0.01	0.06
1.10	0.11	0.00	0.02	0.07
1.20	0.12	0.00	0.02	0.08
1.30	0.13	0.00	0.03	0.09
1.40	0.15	0.00	0.04	0.10
1.50	0.16	0.00	0.04	0.11
1.60	0.17	0.00	0.05	0.11
1.70	0.18	0.00	0.06	0.12
1.80	0.19	0.00	0.06	0.12
1.90	0.20	0.00	0.07	0.13
2.00	0.21	0.00	0.08	0.14
2.10	0.23	0.00	0.09	0.14
2.20	0.24	0.00	0.10	0.15
2.30	0.25	0.00	0.11	0.16
2.40	0.26	0.00	0.12	0.17
2.50	0.27	0.00	0.12	0.18
2.60	0.29	0.00	0.13	0.19
2.70	0.30	0.00	0.14	0.20
2.80	0.31	0.01	0.15	0.21
2.90	0.32	0.01	0.16	0.21
3.00	0.34	0.01	0.18	0.22
3.10	0.35	0.01	0.19	0.23
3.20	0.36	0.02	0.20	0.24
3.30	0.38	0.02	0.21	0.25
3.40	0.39	0.02	0.22	0.26
3.50	0.40	0.02	0.23	0.27
3.60	0.41	0.03	0.24	0.28
3.70	0.43	0.03	0.25	0.28
3.80	0.44	0.04	0.27	0.29
3.90	0.46	0.04	0.28	0.30
4.00	0.47	0.04	0.29	0.31
4.10	0.48	0.05	0.30	0.32
4.20	0.50	0.05	0.31	0.32
4.30	0.51	0.06	0.33	0.33
4.40	0.52	0.06	0.34	0.34
4.50	0.54	0.07	0.35	0.35
4.60	0.55	0.08	0.37	0.35
4.70	0.57	0.08	0.38	0.36
4.80	0.58	0.09	0.39	0.37
4.90	0.60	0.09	0.41	0.37
5.00	0.61	0.10	0.42	0.38
5.10	0.63	0.11	0.43	0.39
5.20	0.64	0.11	0.45	0.40

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.66	0.12	0.46	0.40
5.40	0.67	0.13	0.48	0.41
5.50	0.69	0.14	0.49	0.42
5.60	0.70	0.14	0.50	0.42
5.70	0.72	0.15	0.52	0.43
5.80	0.73	0.16	0.53	0.44
5.90	0.75	0.17	0.55	0.44
6.00	0.76	0.18	0.56	0.45
6.10	0.78	0.19	0.58	0.46
6.20	0.80	0.20	0.59	0.47
6.30	0.81	0.20	0.61	0.49
6.40	0.83	0.21	0.63	0.50
6.50	0.85	0.23	0.64	0.52
6.60	0.87	0.24	0.66	0.53
6.70	0.88	0.25	0.68	0.55
6.80	0.90	0.26	0.70	0.57
6.90	0.92	0.27	0.72	0.58
7.00	0.94	0.28	0.73	0.60
7.10	0.96	0.30	0.75	0.62
7.20	0.98	0.31	0.77	0.63
7.30	1.00	0.32	0.79	0.65
7.40	1.02	0.34	0.81	0.67
7.50	1.05	0.35	0.84	0.68
7.60	1.07	0.37	0.86	0.70
7.70	1.09	0.38	0.88	0.72
7.80	1.11	0.40	0.90	0.73
7.90	1.14	0.41	0.92	0.75
8.00	1.16	0.43	0.95	0.77
8.10	1.18	0.45	0.97	0.79
8.20	1.21	0.46	0.99	0.80
8.30	1.23	0.48	1.02	0.82
8.40	1.26	0.50	1.04	0.84
8.50	1.28	0.52	1.07	0.86
8.60	1.31	0.54	1.09	0.87
8.70	1.34	0.56	1.12	0.89
8.80	1.36	0.58	1.15	0.91
8.90	1.39	0.60	1.17	0.93
9.00	1.42	0.62	1.20	0.94
9.10	1.45	0.64	1.23	0.97
9.20	1.48	0.67	1.26	1.02
9.30	1.51	0.69	1.29	1.07
9.40	1.54	0.72	1.32	1.12
9.50	1.58	0.74	1.36	1.18
9.60	1.61	0.77	1.39	1.23
9.70	1.65	0.80	1.43	1.29
9.80	1.69	0.84	1.47	1.34
9.90	1.73	0.87	1.51	1.40
10.00	1.77	0.90	1.55	1.46
10.10	1.82	0.94	1.59	1.51
10.20	1.86	0.98	1.64	1.57
10.30	1.91	1.01	1.68	1.63
10.40	1.95	1.05	1.73	1.69
10.50	2.00	1.10	1.78	1.74

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	2.06	1.14	1.83	1.84
10.70	2.12	1.19	1.89	2.00
10.80	2.18	1.25	1.95	2.20
10.90	2.25	1.31	2.02	2.40
11.00	2.32	1.37	2.10	2.60
11.10	2.41	1.45	2.18	2.84
11.20	2.50	1.53	2.27	3.16
11.30	2.60	1.62	2.37	3.51
11.40	2.71	1.72	2.48	3.87
11.50	2.83	1.83	2.60	4.24
11.60	3.00	1.98	2.76	4.92
11.70	3.17	2.14	2.93	5.93
11.80	3.40	2.35	3.17	7.06
11.90	3.72	2.66	3.49	9.39
12.00	4.28	3.19	4.05	14.09
12.10	5.22	4.09	4.98	23.26
12.20	5.54	4.40	5.30	26.97
12.30	5.77	4.63	5.54	16.79
12.40	5.94	4.79	5.71	10.63
12.50	6.11	4.95	5.87	7.75
12.60	6.23	5.07	5.99	6.35
12.70	6.34	5.17	6.10	5.16
12.80	6.44	5.27	6.20	4.54
12.90	6.53	5.37	6.29	4.12
13.00	6.62	5.45	6.38	3.74
13.10	6.69	5.52	6.45	3.38
13.20	6.76	5.59	6.52	3.05
13.30	6.82	5.65	6.59	2.81
13.40	6.88	5.71	6.64	2.59
13.50	6.94	5.76	6.70	2.39
13.60	6.99	5.81	6.75	2.18
13.70	7.03	5.86	6.79	2.01
13.80	7.08	5.90	6.84	1.92
13.90	7.12	5.95	6.89	1.85
14.00	7.17	5.99	6.93	1.79
14.10	7.21	6.03	6.97	1.74
14.20	7.25	6.07	7.01	1.68
14.30	7.29	6.11	7.05	1.62
14.40	7.33	6.14	7.09	1.57
14.50	7.36	6.18	7.12	1.51
14.60	7.40	6.21	7.16	1.45
14.70	7.43	6.25	7.19	1.40
14.80	7.46	6.28	7.22	1.34
14.90	7.49	6.31	7.25	1.28
15.00	7.52	6.34	7.28	1.23
15.10	7.55	6.36	7.31	1.17
15.20	7.58	6.39	7.34	1.12
15.30	7.60	6.42	7.36	1.10
15.40	7.63	6.44	7.39	1.08
15.50	7.66	6.47	7.42	1.06
15.60	7.68	6.49	7.44	1.05
15.70	7.71	6.52	7.47	1.03
15.80	7.73	6.54	7.49	1.02

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	7.76	6.57	7.52	1.00
16.00	7.78	6.59	7.54	0.98
16.10	7.80	6.61	7.56	0.97
16.20	7.83	6.64	7.59	0.95
16.30	7.85	6.66	7.61	0.94
16.40	7.87	6.68	7.63	0.92
16.50	7.89	6.70	7.65	0.90
16.60	7.92	6.72	7.68	0.89
16.70	7.94	6.74	7.70	0.87
16.80	7.96	6.76	7.72	0.86
16.90	7.98	6.78	7.74	0.84
17.00	8.00	6.80	7.76	0.82
17.10	8.02	6.82	7.78	0.81
17.20	8.04	6.84	7.80	0.79
17.30	8.06	6.86	7.82	0.78
17.40	8.07	6.88	7.83	0.76
17.50	8.09	6.90	7.85	0.74
17.60	8.11	6.91	7.87	0.73
17.70	8.13	6.93	7.89	0.71
17.80	8.14	6.95	7.90	0.70
17.90	8.16	6.96	7.92	0.68
18.00	8.18	6.98	7.94	0.66
18.10	8.19	7.00	7.95	0.65
18.20	8.21	7.01	7.97	0.63
18.30	8.22	7.03	7.98	0.63
18.40	8.24	7.04	8.00	0.62
18.50	8.25	7.06	8.01	0.62
18.60	8.27	7.07	8.03	0.61
18.70	8.28	7.09	8.04	0.61
18.80	8.30	7.10	8.06	0.61
18.90	8.31	7.11	8.07	0.60
19.00	8.33	7.13	8.09	0.60
19.10	8.34	7.14	8.10	0.59
19.20	8.36	7.16	8.12	0.59
19.30	8.37	7.17	8.13	0.59
19.40	8.39	7.19	8.15	0.58
19.50	8.40	7.20	8.16	0.58
19.60	8.42	7.21	8.18	0.57
19.70	8.43	7.23	8.19	0.57
19.80	8.44	7.24	8.20	0.57
19.90	8.46	7.26	8.22	0.56
20.00	8.47	7.27	8.23	0.56
20.10	8.48	7.28	8.24	0.56
20.20	8.50	7.30	8.26	0.55
20.30	8.51	7.31	8.27	0.55
20.40	8.53	7.32	8.28	0.54
20.50	8.54	7.34	8.30	0.54
20.60	8.55	7.35	8.31	0.53
20.70	8.56	7.36	8.32	0.53
20.80	8.58	7.37	8.34	0.53
20.90	8.59	7.39	8.35	0.52
21.00	8.60	7.40	8.36	0.52
21.10	8.62	7.41	8.38	0.51

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	8.63	7.42	8.39	0.51
21.30	8.64	7.44	8.40	0.51
21.40	8.65	7.45	8.41	0.50
21.50	8.67	7.46	8.43	0.50
21.60	8.68	7.47	8.44	0.49
21.70	8.69	7.49	8.45	0.49
21.80	8.70	7.50	8.46	0.49
21.90	8.71	7.51	8.47	0.48
22.00	8.73	7.52	8.49	0.48
22.10	8.74	7.53	8.50	0.48
22.20	8.75	7.54	8.51	0.47
22.30	8.76	7.55	8.52	0.47
22.40	8.77	7.57	8.53	0.46
22.50	8.78	7.58	8.54	0.46
22.60	8.79	7.59	8.55	0.45
22.70	8.81	7.60	8.56	0.45
22.80	8.82	7.61	8.58	0.45
22.90	8.83	7.62	8.59	0.44
23.00	8.84	7.63	8.60	0.44
23.10	8.85	7.64	8.61	0.43
23.20	8.86	7.65	8.62	0.43
23.30	8.87	7.66	8.63	0.43
23.40	8.88	7.67	8.64	0.42
23.50	8.89	7.68	8.65	0.42
23.60	8.90	7.69	8.66	0.41
23.70	8.91	7.70	8.67	0.41
23.80	8.92	7.71	8.68	0.41
23.90	8.93	7.72	8.69	0.40
24.00	8.94	7.73	8.70	0.40
24.10	8.94	7.73	8.70	0.30
24.20	8.94	7.73	8.70	0.09
24.30	8.94	7.73	8.70	0.02
24.40	8.94	7.73	8.70	0.00
24.50	8.94	7.73	8.70	0.00
24.60	8.94	7.73	8.70	0.00
24.70	8.94	7.73	8.70	0.00
24.80	8.94	7.73	8.70	0.00
24.90	8.94	7.73	8.70	0.00
25.00	8.94	7.73	8.70	0.00
25.10	8.94	7.73	8.70	0.00
25.20	8.94	7.73	8.70	0.00
25.30	8.94	7.73	8.70	0.00
25.40	8.94	7.73	8.70	0.00
25.50	8.94	7.73	8.70	0.00
25.60	8.94	7.73	8.70	0.00
25.70	8.94	7.73	8.70	0.00
25.80	8.94	7.73	8.70	0.00
25.90	8.94	7.73	8.70	0.00
26.00	8.94	7.73	8.70	0.00
26.10	8.94	7.73	8.70	0.00
26.20	8.94	7.73	8.70	0.00
26.30	8.94	7.73	8.70	0.00
26.40	8.94	7.73	8.70	0.00

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	8.94	7.73	8.70	0.00
26.60	8.94	7.73	8.70	0.00
26.70	8.94	7.73	8.70	0.00
26.80	8.94	7.73	8.70	0.00
26.90	8.94	7.73	8.70	0.00
27.00	8.94	7.73	8.70	0.00
27.10	8.94	7.73	8.70	0.00
27.20	8.94	7.73	8.70	0.00
27.30	8.94	7.73	8.70	0.00
27.40	8.94	7.73	8.70	0.00
27.50	8.94	7.73	8.70	0.00
27.60	8.94	7.73	8.70	0.00
27.70	8.94	7.73	8.70	0.00
27.80	8.94	7.73	8.70	0.00
27.90	8.94	7.73	8.70	0.00
28.00	8.94	7.73	8.70	0.00
28.10	8.94	7.73	8.70	0.00
28.20	8.94	7.73	8.70	0.00
28.30	8.94	7.73	8.70	0.00
28.40	8.94	7.73	8.70	0.00
28.50	8.94	7.73	8.70	0.00
28.60	8.94	7.73	8.70	0.00
28.70	8.94	7.73	8.70	0.00
28.80	8.94	7.73	8.70	0.00
28.90	8.94	7.73	8.70	0.00
29.00	8.94	7.73	8.70	0.00
29.10	8.94	7.73	8.70	0.00
29.20	8.94	7.73	8.70	0.00
29.30	8.94	7.73	8.70	0.00
29.40	8.94	7.73	8.70	0.00
29.50	8.94	7.73	8.70	0.00
29.60	8.94	7.73	8.70	0.00
29.70	8.94	7.73	8.70	0.00
29.80	8.94	7.73	8.70	0.00
29.90	8.94	7.73	8.70	0.00
30.00	8.94	7.73	8.70	0.00
30.10	8.94	7.73	8.70	0.00
30.20	8.94	7.73	8.70	0.00
30.30	8.94	7.73	8.70	0.00
30.40	8.94	7.73	8.70	0.00
30.50	8.94	7.73	8.70	0.00
30.60	8.94	7.73	8.70	0.00
30.70	8.94	7.73	8.70	0.00
30.80	8.94	7.73	8.70	0.00
30.90	8.94	7.73	8.70	0.00
31.00	8.94	7.73	8.70	0.00
31.10	8.94	7.73	8.70	0.00
31.20	8.94	7.73	8.70	0.00
31.30	8.94	7.73	8.70	0.00
31.40	8.94	7.73	8.70	0.00
31.50	8.94	7.73	8.70	0.00
31.60	8.94	7.73	8.70	0.00
31.70	8.94	7.73	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment E-1: Ex. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	8.94	7.73	8.70	0.00
31.90	8.94	7.73	8.70	0.00
32.00	8.94	7.73	8.70	0.00
32.10	8.94	7.73	8.70	0.00
32.20	8.94	7.73	8.70	0.00
32.30	8.94	7.73	8.70	0.00
32.40	8.94	7.73	8.70	0.00
32.50	8.94	7.73	8.70	0.00
32.60	8.94	7.73	8.70	0.00
32.70	8.94	7.73	8.70	0.00
32.80	8.94	7.73	8.70	0.00
32.90	8.94	7.73	8.70	0.00
33.00	8.94	7.73	8.70	0.00
33.10	8.94	7.73	8.70	0.00
33.20	8.94	7.73	8.70	0.00
33.30	8.94	7.73	8.70	0.00
33.40	8.94	7.73	8.70	0.00
33.50	8.94	7.73	8.70	0.00
33.60	8.94	7.73	8.70	0.00
33.70	8.94	7.73	8.70	0.00
33.80	8.94	7.73	8.70	0.00
33.90	8.94	7.73	8.70	0.00
34.00	8.94	7.73	8.70	0.00
34.10	8.94	7.73	8.70	0.00
34.20	8.94	7.73	8.70	0.00
34.30	8.94	7.73	8.70	0.00
34.40	8.94	7.73	8.70	0.00
34.50	8.94	7.73	8.70	0.00
34.60	8.94	7.73	8.70	0.00
34.70	8.94	7.73	8.70	0.00
34.80	8.94	7.73	8.70	0.00
34.90	8.94	7.73	8.70	0.00
35.00	8.94	7.73	8.70	0.00
35.10	8.94	7.73	8.70	0.00
35.20	8.94	7.73	8.70	0.00
35.30	8.94	7.73	8.70	0.00
35.40	8.94	7.73	8.70	0.00
35.50	8.94	7.73	8.70	0.00
35.60	8.94	7.73	8.70	0.00
35.70	8.94	7.73	8.70	0.00
35.80	8.94	7.73	8.70	0.00
35.90	8.94	7.73	8.70	0.00
36.00	8.94	7.73	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

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NOAA 24-hr D 100-Year Rainfall=8.94"

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Summary for Subcatchment E-2: Ex. Area to Point 2

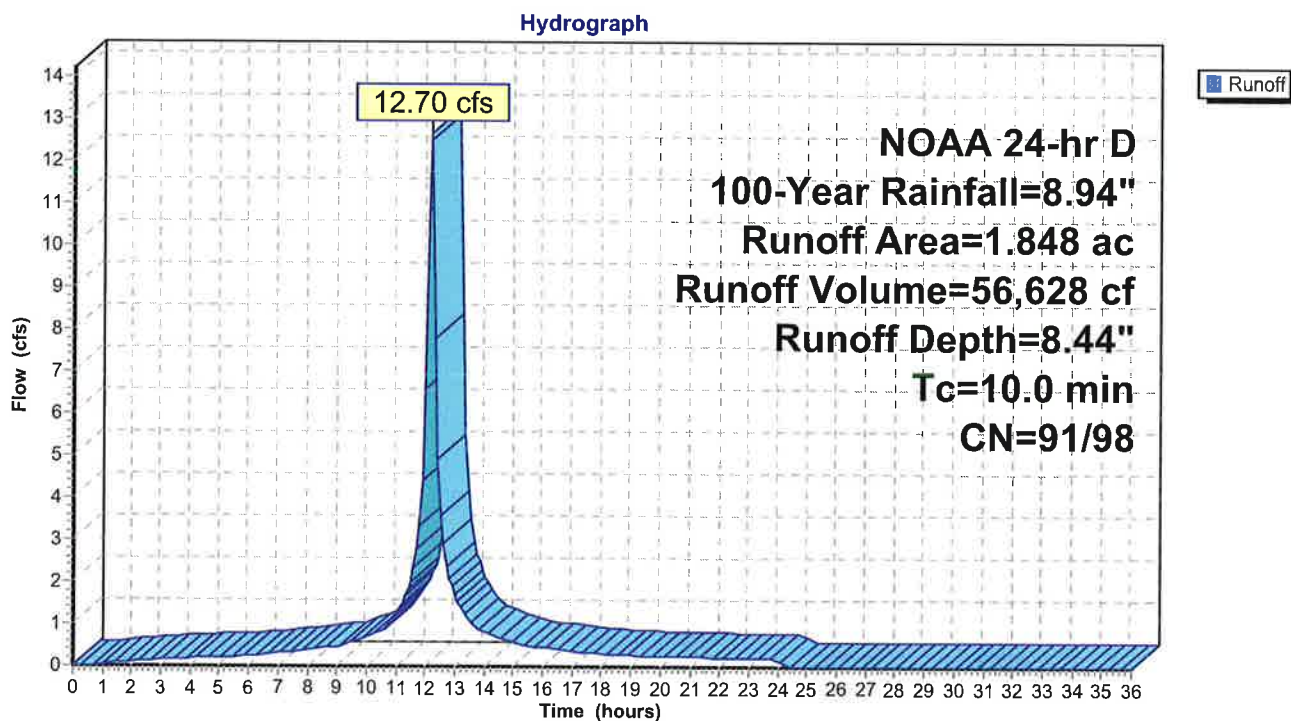
Runoff = 12.70 cfs @ 12.18 hrs, Volume= 56,628 cf, Depth= 8.44"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 100-Year Rainfall=8.94"

Area (ac)	CN	Description
* 1.284	98	Impervious
0.402	96	Gravel surface, HSG D
0.162	80	>75% Grass cover, Good, HSG D
1.848	96	Weighted Average
0.564		30.52% Pervious Area
1.284		69.48% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Direct Entry

Subcatchment E-2: Ex. Area to Point 2



Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.02	0.00	0.00	0.00
0.30	0.03	0.00	0.00	0.00
0.40	0.04	0.00	0.00	0.00
0.50	0.05	0.00	0.00	0.00
0.60	0.06	0.00	0.00	0.01
0.70	0.07	0.00	0.00	0.02
0.80	0.08	0.00	0.01	0.03
0.90	0.09	0.00	0.01	0.04
1.00	0.10	0.00	0.01	0.04
1.10	0.11	0.00	0.02	0.05
1.20	0.12	0.00	0.02	0.06
1.30	0.13	0.00	0.03	0.07
1.40	0.15	0.00	0.04	0.07
1.50	0.16	0.00	0.04	0.08
1.60	0.17	0.00	0.05	0.08
1.70	0.18	0.00	0.06	0.09
1.80	0.19	0.00	0.06	0.09
1.90	0.20	0.00	0.07	0.10
2.00	0.21	0.00	0.08	0.10
2.10	0.23	0.00	0.09	0.11
2.20	0.24	0.00	0.10	0.11
2.30	0.25	0.00	0.11	0.12
2.40	0.26	0.00	0.12	0.12
2.50	0.27	0.01	0.12	0.13
2.60	0.29	0.01	0.13	0.13
2.70	0.30	0.01	0.14	0.14
2.80	0.31	0.01	0.15	0.14
2.90	0.32	0.01	0.16	0.14
3.00	0.34	0.02	0.18	0.15
3.10	0.35	0.02	0.19	0.15
3.20	0.36	0.02	0.20	0.16
3.30	0.38	0.03	0.21	0.16
3.40	0.39	0.03	0.22	0.16
3.50	0.40	0.03	0.23	0.17
3.60	0.41	0.04	0.24	0.17
3.70	0.43	0.04	0.25	0.17
3.80	0.44	0.05	0.27	0.18
3.90	0.46	0.05	0.28	0.18
4.00	0.47	0.06	0.29	0.18
4.10	0.48	0.06	0.30	0.19
4.20	0.50	0.07	0.31	0.19
4.30	0.51	0.08	0.33	0.19
4.40	0.52	0.08	0.34	0.20
4.50	0.54	0.09	0.35	0.20
4.60	0.55	0.09	0.37	0.20
4.70	0.57	0.10	0.38	0.21
4.80	0.58	0.11	0.39	0.21
4.90	0.60	0.11	0.41	0.21
5.00	0.61	0.12	0.42	0.21
5.10	0.63	0.13	0.43	0.22
5.20	0.64	0.14	0.45	0.22

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.66	0.14	0.46	0.22
5.40	0.67	0.15	0.48	0.23
5.50	0.69	0.16	0.49	0.23
5.60	0.70	0.17	0.50	0.23
5.70	0.72	0.18	0.52	0.23
5.80	0.73	0.19	0.53	0.24
5.90	0.75	0.20	0.55	0.24
6.00	0.76	0.21	0.56	0.24
6.10	0.78	0.22	0.58	0.25
6.20	0.80	0.23	0.59	0.25
6.30	0.81	0.24	0.61	0.26
6.40	0.83	0.25	0.63	0.27
6.50	0.85	0.26	0.64	0.27
6.60	0.87	0.27	0.66	0.28
6.70	0.88	0.28	0.68	0.29
6.80	0.90	0.29	0.70	0.30
6.90	0.92	0.31	0.72	0.30
7.00	0.94	0.32	0.73	0.31
7.10	0.96	0.33	0.75	0.32
7.20	0.98	0.35	0.77	0.33
7.30	1.00	0.36	0.79	0.34
7.40	1.02	0.38	0.81	0.34
7.50	1.05	0.39	0.84	0.35
7.60	1.07	0.41	0.86	0.36
7.70	1.09	0.42	0.88	0.37
7.80	1.11	0.44	0.90	0.37
7.90	1.14	0.46	0.92	0.38
8.00	1.16	0.47	0.95	0.39
8.10	1.18	0.49	0.97	0.40
8.20	1.21	0.51	0.99	0.41
8.30	1.23	0.53	1.02	0.41
8.40	1.26	0.55	1.04	0.42
8.50	1.28	0.57	1.07	0.43
8.60	1.31	0.59	1.09	0.44
8.70	1.34	0.61	1.12	0.44
8.80	1.36	0.63	1.15	0.45
8.90	1.39	0.65	1.17	0.46
9.00	1.42	0.67	1.20	0.47
9.10	1.45	0.70	1.23	0.48
9.20	1.48	0.72	1.26	0.50
9.30	1.51	0.75	1.29	0.53
9.40	1.54	0.78	1.32	0.55
9.50	1.58	0.80	1.36	0.58
9.60	1.61	0.83	1.39	0.60
9.70	1.65	0.86	1.43	0.63
9.80	1.69	0.90	1.47	0.66
9.90	1.73	0.93	1.51	0.68
10.00	1.77	0.97	1.55	0.71
10.10	1.82	1.00	1.59	0.73
10.20	1.86	1.04	1.64	0.76
10.30	1.91	1.08	1.68	0.79
10.40	1.95	1.12	1.73	0.81
10.50	2.00	1.17	1.78	0.84

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	2.06	1.21	1.83	0.88
10.70	2.12	1.27	1.89	0.96
10.80	2.18	1.32	1.95	1.05
10.90	2.25	1.38	2.02	1.15
11.00	2.32	1.45	2.10	1.24
11.10	2.41	1.53	2.18	1.35
11.20	2.50	1.61	2.27	1.51
11.30	2.60	1.70	2.37	1.67
11.40	2.71	1.81	2.48	1.84
11.50	2.83	1.92	2.60	2.01
11.60	3.00	2.07	2.76	2.32
11.70	3.17	2.23	2.93	2.80
11.80	3.40	2.45	3.17	3.32
11.90	3.72	2.75	3.49	4.40
12.00	4.28	3.29	4.05	6.59
12.10	5.22	4.19	4.98	10.83
12.20	5.54	4.51	5.30	12.52
12.30	5.77	4.74	5.54	7.78
12.40	5.94	4.90	5.71	4.92
12.50	6.11	5.06	5.87	3.58
12.60	6.23	5.18	5.99	2.93
12.70	6.34	5.29	6.10	2.39
12.80	6.44	5.39	6.20	2.10
12.90	6.53	5.48	6.29	1.90
13.00	6.62	5.56	6.38	1.73
13.10	6.69	5.63	6.45	1.56
13.20	6.76	5.70	6.52	1.41
13.30	6.82	5.77	6.59	1.30
13.40	6.88	5.82	6.64	1.20
13.50	6.94	5.88	6.70	1.10
13.60	6.99	5.93	6.75	1.00
13.70	7.03	5.97	6.79	0.93
13.80	7.08	6.02	6.84	0.88
13.90	7.12	6.06	6.89	0.85
14.00	7.17	6.10	6.93	0.83
14.10	7.21	6.14	6.97	0.80
14.20	7.25	6.18	7.01	0.77
14.30	7.29	6.22	7.05	0.75
14.40	7.33	6.26	7.09	0.72
14.50	7.36	6.30	7.12	0.70
14.60	7.40	6.33	7.16	0.67
14.70	7.43	6.36	7.19	0.64
14.80	7.46	6.39	7.22	0.62
14.90	7.49	6.42	7.25	0.59
15.00	7.52	6.45	7.28	0.57
15.10	7.55	6.48	7.31	0.54
15.20	7.58	6.51	7.34	0.52
15.30	7.60	6.53	7.36	0.51
15.40	7.63	6.56	7.39	0.50
15.50	7.66	6.58	7.42	0.49
15.60	7.68	6.61	7.44	0.48
15.70	7.71	6.63	7.47	0.48
15.80	7.73	6.66	7.49	0.47

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	7.76	6.68	7.52	0.46
16.00	7.78	6.71	7.54	0.45
16.10	7.80	6.73	7.56	0.45
16.20	7.83	6.75	7.59	0.44
16.30	7.85	6.78	7.61	0.43
16.40	7.87	6.80	7.63	0.42
16.50	7.89	6.82	7.65	0.42
16.60	7.92	6.84	7.68	0.41
16.70	7.94	6.86	7.70	0.40
16.80	7.96	6.88	7.72	0.39
16.90	7.98	6.90	7.74	0.39
17.00	8.00	6.92	7.76	0.38
17.10	8.02	6.94	7.78	0.37
17.20	8.04	6.96	7.80	0.36
17.30	8.06	6.98	7.82	0.36
17.40	8.07	7.00	7.83	0.35
17.50	8.09	7.02	7.85	0.34
17.60	8.11	7.03	7.87	0.34
17.70	8.13	7.05	7.89	0.33
17.80	8.14	7.07	7.90	0.32
17.90	8.16	7.08	7.92	0.31
18.00	8.18	7.10	7.94	0.31
18.10	8.19	7.11	7.95	0.30
18.20	8.21	7.13	7.97	0.29
18.30	8.22	7.15	7.98	0.29
18.40	8.24	7.16	8.00	0.29
18.50	8.25	7.18	8.01	0.29
18.60	8.27	7.19	8.03	0.28
18.70	8.28	7.21	8.04	0.28
18.80	8.30	7.22	8.06	0.28
18.90	8.31	7.23	8.07	0.28
19.00	8.33	7.25	8.09	0.28
19.10	8.34	7.26	8.10	0.27
19.20	8.36	7.28	8.12	0.27
19.30	8.37	7.29	8.13	0.27
19.40	8.39	7.31	8.15	0.27
19.50	8.40	7.32	8.16	0.27
19.60	8.42	7.33	8.18	0.26
19.70	8.43	7.35	8.19	0.26
19.80	8.44	7.36	8.20	0.26
19.90	8.46	7.38	8.22	0.26
20.00	8.47	7.39	8.23	0.26
20.10	8.48	7.40	8.24	0.26
20.20	8.50	7.42	8.26	0.25
20.30	8.51	7.43	8.27	0.25
20.40	8.53	7.44	8.28	0.25
20.50	8.54	7.46	8.30	0.25
20.60	8.55	7.47	8.31	0.25
20.70	8.56	7.48	8.32	0.24
20.80	8.58	7.50	8.34	0.24
20.90	8.59	7.51	8.35	0.24
21.00	8.60	7.52	8.36	0.24
21.10	8.62	7.53	8.38	0.24

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	8.63	7.55	8.39	0.23
21.30	8.64	7.56	8.40	0.23
21.40	8.65	7.57	8.41	0.23
21.50	8.67	7.58	8.43	0.23
21.60	8.68	7.59	8.44	0.23
21.70	8.69	7.61	8.45	0.23
21.80	8.70	7.62	8.46	0.22
21.90	8.71	7.63	8.47	0.22
22.00	8.73	7.64	8.49	0.22
22.10	8.74	7.65	8.50	0.22
22.20	8.75	7.66	8.51	0.22
22.30	8.76	7.68	8.52	0.22
22.40	8.77	7.69	8.53	0.21
22.50	8.78	7.70	8.54	0.21
22.60	8.79	7.71	8.55	0.21
22.70	8.81	7.72	8.56	0.21
22.80	8.82	7.73	8.58	0.21
22.90	8.83	7.74	8.59	0.20
23.00	8.84	7.75	8.60	0.20
23.10	8.85	7.76	8.61	0.20
23.20	8.86	7.77	8.62	0.20
23.30	8.87	7.78	8.63	0.20
23.40	8.88	7.79	8.64	0.19
23.50	8.89	7.80	8.65	0.19
23.60	8.90	7.81	8.66	0.19
23.70	8.91	7.82	8.67	0.19
23.80	8.92	7.83	8.68	0.19
23.90	8.93	7.84	8.69	0.19
24.00	8.94	7.85	8.70	0.18
24.10	8.94	7.85	8.70	0.14
24.20	8.94	7.85	8.70	0.04
24.30	8.94	7.85	8.70	0.01
24.40	8.94	7.85	8.70	0.00
24.50	8.94	7.85	8.70	0.00
24.60	8.94	7.85	8.70	0.00
24.70	8.94	7.85	8.70	0.00
24.80	8.94	7.85	8.70	0.00
24.90	8.94	7.85	8.70	0.00
25.00	8.94	7.85	8.70	0.00
25.10	8.94	7.85	8.70	0.00
25.20	8.94	7.85	8.70	0.00
25.30	8.94	7.85	8.70	0.00
25.40	8.94	7.85	8.70	0.00
25.50	8.94	7.85	8.70	0.00
25.60	8.94	7.85	8.70	0.00
25.70	8.94	7.85	8.70	0.00
25.80	8.94	7.85	8.70	0.00
25.90	8.94	7.85	8.70	0.00
26.00	8.94	7.85	8.70	0.00
26.10	8.94	7.85	8.70	0.00
26.20	8.94	7.85	8.70	0.00
26.30	8.94	7.85	8.70	0.00
26.40	8.94	7.85	8.70	0.00

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	8.94	7.85	8.70	0.00
26.60	8.94	7.85	8.70	0.00
26.70	8.94	7.85	8.70	0.00
26.80	8.94	7.85	8.70	0.00
26.90	8.94	7.85	8.70	0.00
27.00	8.94	7.85	8.70	0.00
27.10	8.94	7.85	8.70	0.00
27.20	8.94	7.85	8.70	0.00
27.30	8.94	7.85	8.70	0.00
27.40	8.94	7.85	8.70	0.00
27.50	8.94	7.85	8.70	0.00
27.60	8.94	7.85	8.70	0.00
27.70	8.94	7.85	8.70	0.00
27.80	8.94	7.85	8.70	0.00
27.90	8.94	7.85	8.70	0.00
28.00	8.94	7.85	8.70	0.00
28.10	8.94	7.85	8.70	0.00
28.20	8.94	7.85	8.70	0.00
28.30	8.94	7.85	8.70	0.00
28.40	8.94	7.85	8.70	0.00
28.50	8.94	7.85	8.70	0.00
28.60	8.94	7.85	8.70	0.00
28.70	8.94	7.85	8.70	0.00
28.80	8.94	7.85	8.70	0.00
28.90	8.94	7.85	8.70	0.00
29.00	8.94	7.85	8.70	0.00
29.10	8.94	7.85	8.70	0.00
29.20	8.94	7.85	8.70	0.00
29.30	8.94	7.85	8.70	0.00
29.40	8.94	7.85	8.70	0.00
29.50	8.94	7.85	8.70	0.00
29.60	8.94	7.85	8.70	0.00
29.70	8.94	7.85	8.70	0.00
29.80	8.94	7.85	8.70	0.00
29.90	8.94	7.85	8.70	0.00
30.00	8.94	7.85	8.70	0.00
30.10	8.94	7.85	8.70	0.00
30.20	8.94	7.85	8.70	0.00
30.30	8.94	7.85	8.70	0.00
30.40	8.94	7.85	8.70	0.00
30.50	8.94	7.85	8.70	0.00
30.60	8.94	7.85	8.70	0.00
30.70	8.94	7.85	8.70	0.00
30.80	8.94	7.85	8.70	0.00
30.90	8.94	7.85	8.70	0.00
31.00	8.94	7.85	8.70	0.00
31.10	8.94	7.85	8.70	0.00
31.20	8.94	7.85	8.70	0.00
31.30	8.94	7.85	8.70	0.00
31.40	8.94	7.85	8.70	0.00
31.50	8.94	7.85	8.70	0.00
31.60	8.94	7.85	8.70	0.00
31.70	8.94	7.85	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment E-2: Ex. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	8.94	7.85	8.70	0.00
31.90	8.94	7.85	8.70	0.00
32.00	8.94	7.85	8.70	0.00
32.10	8.94	7.85	8.70	0.00
32.20	8.94	7.85	8.70	0.00
32.30	8.94	7.85	8.70	0.00
32.40	8.94	7.85	8.70	0.00
32.50	8.94	7.85	8.70	0.00
32.60	8.94	7.85	8.70	0.00
32.70	8.94	7.85	8.70	0.00
32.80	8.94	7.85	8.70	0.00
32.90	8.94	7.85	8.70	0.00
33.00	8.94	7.85	8.70	0.00
33.10	8.94	7.85	8.70	0.00
33.20	8.94	7.85	8.70	0.00
33.30	8.94	7.85	8.70	0.00
33.40	8.94	7.85	8.70	0.00
33.50	8.94	7.85	8.70	0.00
33.60	8.94	7.85	8.70	0.00
33.70	8.94	7.85	8.70	0.00
33.80	8.94	7.85	8.70	0.00
33.90	8.94	7.85	8.70	0.00
34.00	8.94	7.85	8.70	0.00
34.10	8.94	7.85	8.70	0.00
34.20	8.94	7.85	8.70	0.00
34.30	8.94	7.85	8.70	0.00
34.40	8.94	7.85	8.70	0.00
34.50	8.94	7.85	8.70	0.00
34.60	8.94	7.85	8.70	0.00
34.70	8.94	7.85	8.70	0.00
34.80	8.94	7.85	8.70	0.00
34.90	8.94	7.85	8.70	0.00
35.00	8.94	7.85	8.70	0.00
35.10	8.94	7.85	8.70	0.00
35.20	8.94	7.85	8.70	0.00
35.30	8.94	7.85	8.70	0.00
35.40	8.94	7.85	8.70	0.00
35.50	8.94	7.85	8.70	0.00
35.60	8.94	7.85	8.70	0.00
35.70	8.94	7.85	8.70	0.00
35.80	8.94	7.85	8.70	0.00
35.90	8.94	7.85	8.70	0.00
36.00	8.94	7.85	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

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Summary for Subcatchment P-1: Prop. Area to Point 1

Runoff = 28.01 cfs @ 12.18 hrs, Volume= 122,555 cf, Depth= 8.19"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 100-Year Rainfall=8.94"

Area (ac)	CN	Description
* 1.969	98	Impervious
0.196	80	>75% Grass cover, Good, HSG D
1.372	96	Gravel surface, HSG D
0.583	79	Woods/grass comb., Good, HSG D
4.120	94	Weighted Average
2.151		52.21% Pervious Area
1.969		47.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6	150	0.0196	1.53		Sheet Flow, Segment 1: Sheet Flow Smooth surfaces n= 0.011 P2= 3.40"
0.2	63	0.0830	4.64		Shallow Concentrated Flow, Segment 2: Shallow Conc. Flow Unpaved Kv= 16.1 fps
1.1	140	0.0164	2.06		Shallow Concentrated Flow, Segment 3: Shallow Conc. Flow Unpaved Kv= 16.1 fps
5.3	533	0.0110	1.69		Shallow Concentrated Flow, Segment 4: Shallow Conc. Unpaved Kv= 16.1 fps
8.2	886	Total, Increased to minimum Tc = 10.0 min			

Pine Belt Nissan - Stormwater Analysis

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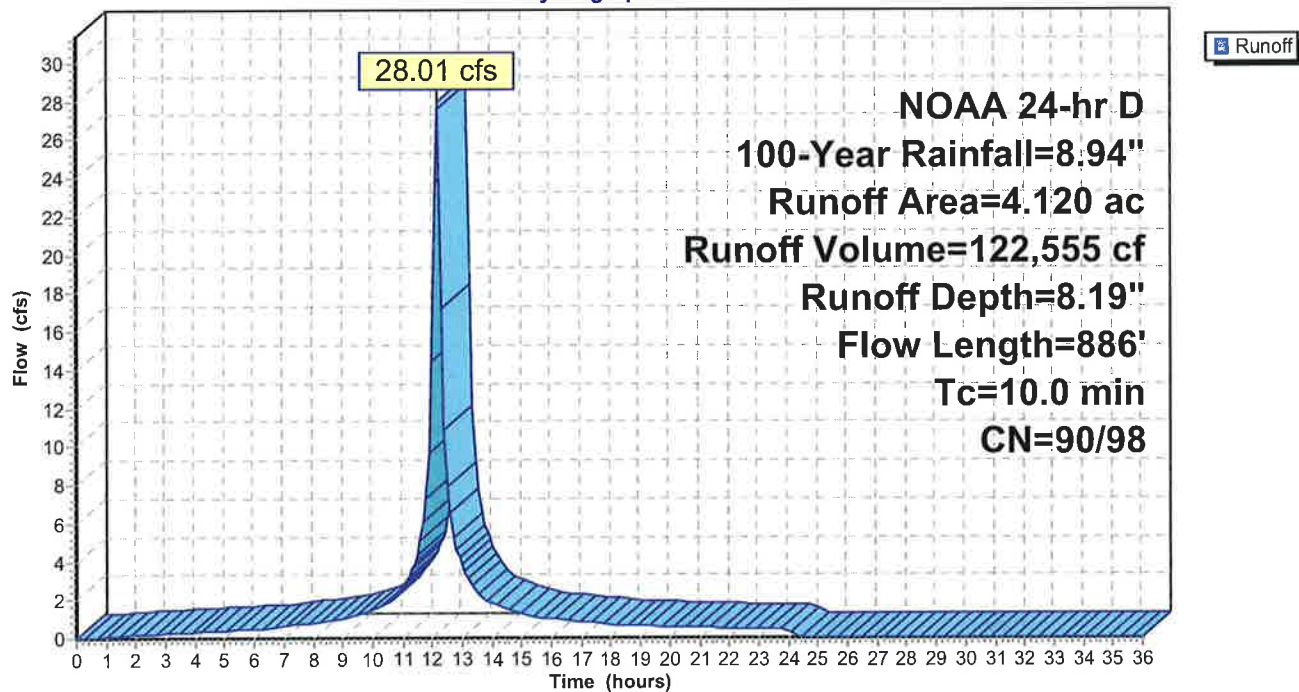
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Subcatchment P-1: Prop. Area to Point 1

Hydrograph



Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.02	0.00	0.00	0.00
0.30	0.03	0.00	0.00	0.00
0.40	0.04	0.00	0.00	0.00
0.50	0.05	0.00	0.00	0.00
0.60	0.06	0.00	0.00	0.01
0.70	0.07	0.00	0.00	0.03
0.80	0.08	0.00	0.01	0.04
0.90	0.09	0.00	0.01	0.06
1.00	0.10	0.00	0.01	0.07
1.10	0.11	0.00	0.02	0.08
1.20	0.12	0.00	0.02	0.09
1.30	0.13	0.00	0.03	0.10
1.40	0.15	0.00	0.04	0.11
1.50	0.16	0.00	0.04	0.12
1.60	0.17	0.00	0.05	0.13
1.70	0.18	0.00	0.06	0.14
1.80	0.19	0.00	0.06	0.14
1.90	0.20	0.00	0.07	0.15
2.00	0.21	0.00	0.08	0.16
2.10	0.23	0.00	0.09	0.16
2.20	0.24	0.00	0.10	0.17
2.30	0.25	0.00	0.11	0.18
2.40	0.26	0.00	0.12	0.19
2.50	0.27	0.00	0.12	0.20
2.60	0.29	0.00	0.13	0.21
2.70	0.30	0.00	0.14	0.22
2.80	0.31	0.01	0.15	0.23
2.90	0.32	0.01	0.16	0.24
3.00	0.34	0.01	0.18	0.25
3.10	0.35	0.01	0.19	0.25
3.20	0.36	0.02	0.20	0.26
3.30	0.38	0.02	0.21	0.27
3.40	0.39	0.02	0.22	0.28
3.50	0.40	0.02	0.23	0.29
3.60	0.41	0.03	0.24	0.30
3.70	0.43	0.03	0.25	0.31
3.80	0.44	0.04	0.27	0.31
3.90	0.46	0.04	0.28	0.32
4.00	0.47	0.04	0.29	0.33
4.10	0.48	0.05	0.30	0.34
4.20	0.50	0.05	0.31	0.35
4.30	0.51	0.06	0.33	0.35
4.40	0.52	0.06	0.34	0.36
4.50	0.54	0.07	0.35	0.37
4.60	0.55	0.08	0.37	0.38
4.70	0.57	0.08	0.38	0.38
4.80	0.58	0.09	0.39	0.39
4.90	0.60	0.09	0.41	0.40
5.00	0.61	0.10	0.42	0.41
5.10	0.63	0.11	0.43	0.41
5.20	0.64	0.11	0.45	0.42

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.66	0.12	0.46	0.43
5.40	0.67	0.13	0.48	0.43
5.50	0.69	0.14	0.49	0.44
5.60	0.70	0.14	0.50	0.45
5.70	0.72	0.15	0.52	0.45
5.80	0.73	0.16	0.53	0.46
5.90	0.75	0.17	0.55	0.47
6.00	0.76	0.18	0.56	0.47
6.10	0.78	0.19	0.58	0.48
6.20	0.80	0.20	0.59	0.50
6.30	0.81	0.20	0.61	0.51
6.40	0.83	0.21	0.63	0.53
6.50	0.85	0.23	0.64	0.54
6.60	0.87	0.24	0.66	0.56
6.70	0.88	0.25	0.68	0.58
6.80	0.90	0.26	0.70	0.59
6.90	0.92	0.27	0.72	0.61
7.00	0.94	0.28	0.73	0.63
7.10	0.96	0.30	0.75	0.64
7.20	0.98	0.31	0.77	0.66
7.30	1.00	0.32	0.79	0.68
7.40	1.02	0.34	0.81	0.69
7.50	1.05	0.35	0.84	0.71
7.60	1.07	0.37	0.86	0.73
7.70	1.09	0.38	0.88	0.75
7.80	1.11	0.40	0.90	0.76
7.90	1.14	0.41	0.92	0.78
8.00	1.16	0.43	0.95	0.80
8.10	1.18	0.45	0.97	0.82
8.20	1.21	0.46	0.99	0.84
8.30	1.23	0.48	1.02	0.85
8.40	1.26	0.50	1.04	0.87
8.50	1.28	0.52	1.07	0.89
8.60	1.31	0.54	1.09	0.91
8.70	1.34	0.56	1.12	0.92
8.80	1.36	0.58	1.15	0.94
8.90	1.39	0.60	1.17	0.96
9.00	1.42	0.62	1.20	0.98
9.10	1.45	0.64	1.23	1.01
9.20	1.48	0.67	1.26	1.05
9.30	1.51	0.69	1.29	1.11
9.40	1.54	0.72	1.32	1.16
9.50	1.58	0.74	1.36	1.22
9.60	1.61	0.77	1.39	1.27
9.70	1.65	0.80	1.43	1.33
9.80	1.69	0.84	1.47	1.39
9.90	1.73	0.87	1.51	1.45
10.00	1.77	0.90	1.55	1.50
10.10	1.82	0.94	1.59	1.56
10.20	1.86	0.98	1.64	1.62
10.30	1.91	1.01	1.68	1.68
10.40	1.95	1.05	1.73	1.74
10.50	2.00	1.10	1.78	1.80

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	2.06	1.14	1.83	1.89
10.70	2.12	1.19	1.89	2.06
10.80	2.18	1.25	1.95	2.26
10.90	2.25	1.31	2.02	2.47
11.00	2.32	1.37	2.10	2.68
11.10	2.41	1.45	2.18	2.92
11.20	2.50	1.53	2.27	3.25
11.30	2.60	1.62	2.37	3.61
11.40	2.71	1.72	2.48	3.98
11.50	2.83	1.83	2.60	4.36
11.60	3.00	1.98	2.76	5.05
11.70	3.17	2.14	2.93	6.09
11.80	3.40	2.35	3.17	7.24
11.90	3.72	2.66	3.49	9.64
12.00	4.28	3.19	4.05	14.45
12.10	5.22	4.09	4.98	23.84
12.20	5.54	4.40	5.30	27.62
12.30	5.77	4.63	5.54	17.19
12.40	5.94	4.79	5.71	10.88
12.50	6.11	4.95	5.87	7.93
12.60	6.23	5.07	5.99	6.50
12.70	6.34	5.17	6.10	5.28
12.80	6.44	5.27	6.20	4.65
12.90	6.53	5.37	6.29	4.22
13.00	6.62	5.45	6.38	3.83
13.10	6.69	5.52	6.45	3.46
13.20	6.76	5.59	6.52	3.12
13.30	6.82	5.65	6.59	2.88
13.40	6.88	5.71	6.64	2.65
13.50	6.94	5.76	6.70	2.44
13.60	6.99	5.81	6.75	2.23
13.70	7.03	5.86	6.79	2.05
13.80	7.08	5.90	6.84	1.96
13.90	7.12	5.95	6.89	1.90
14.00	7.17	5.99	6.93	1.83
14.10	7.21	6.03	6.97	1.78
14.20	7.25	6.07	7.01	1.72
14.30	7.29	6.11	7.05	1.66
14.40	7.33	6.14	7.09	1.60
14.50	7.36	6.18	7.12	1.55
14.60	7.40	6.21	7.16	1.49
14.70	7.43	6.25	7.19	1.43
14.80	7.46	6.28	7.22	1.37
14.90	7.49	6.31	7.25	1.31
15.00	7.52	6.34	7.28	1.25
15.10	7.55	6.36	7.31	1.20
15.20	7.58	6.39	7.34	1.15
15.30	7.60	6.42	7.36	1.12
15.40	7.63	6.44	7.39	1.11
15.50	7.66	6.47	7.42	1.09
15.60	7.68	6.49	7.44	1.07
15.70	7.71	6.52	7.47	1.06
15.80	7.73	6.54	7.49	1.04

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	7.76	6.57	7.52	1.02
16.00	7.78	6.59	7.54	1.01
16.10	7.80	6.61	7.56	0.99
16.20	7.83	6.64	7.59	0.97
16.30	7.85	6.66	7.61	0.96
16.40	7.87	6.68	7.63	0.94
16.50	7.89	6.70	7.65	0.92
16.60	7.92	6.72	7.68	0.91
16.70	7.94	6.74	7.70	0.89
16.80	7.96	6.76	7.72	0.88
16.90	7.98	6.78	7.74	0.86
17.00	8.00	6.80	7.76	0.84
17.10	8.02	6.82	7.78	0.83
17.20	8.04	6.84	7.80	0.81
17.30	8.06	6.86	7.82	0.79
17.40	8.07	6.88	7.83	0.78
17.50	8.09	6.90	7.85	0.76
17.60	8.11	6.91	7.87	0.74
17.70	8.13	6.93	7.89	0.73
17.80	8.14	6.95	7.90	0.71
17.90	8.16	6.96	7.92	0.70
18.00	8.18	6.98	7.94	0.68
18.10	8.19	7.00	7.95	0.66
18.20	8.21	7.01	7.97	0.65
18.30	8.22	7.03	7.98	0.64
18.40	8.24	7.04	8.00	0.64
18.50	8.25	7.06	8.01	0.63
18.60	8.27	7.07	8.03	0.63
18.70	8.28	7.09	8.04	0.62
18.80	8.30	7.10	8.06	0.62
18.90	8.31	7.11	8.07	0.62
19.00	8.33	7.13	8.09	0.61
19.10	8.34	7.14	8.10	0.61
19.20	8.36	7.16	8.12	0.60
19.30	8.37	7.17	8.13	0.60
19.40	8.39	7.19	8.15	0.60
19.50	8.40	7.20	8.16	0.59
19.60	8.42	7.21	8.18	0.59
19.70	8.43	7.23	8.19	0.58
19.80	8.44	7.24	8.20	0.58
19.90	8.46	7.26	8.22	0.58
20.00	8.47	7.27	8.23	0.57
20.10	8.48	7.28	8.24	0.57
20.20	8.50	7.30	8.26	0.56
20.30	8.51	7.31	8.27	0.56
20.40	8.53	7.32	8.28	0.55
20.50	8.54	7.34	8.30	0.55
20.60	8.55	7.35	8.31	0.55
20.70	8.56	7.36	8.32	0.54
20.80	8.58	7.37	8.34	0.54
20.90	8.59	7.39	8.35	0.53
21.00	8.60	7.40	8.36	0.53
21.10	8.62	7.41	8.38	0.53

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	8.63	7.42	8.39	0.52
21.30	8.64	7.44	8.40	0.52
21.40	8.65	7.45	8.41	0.51
21.50	8.67	7.46	8.43	0.51
21.60	8.68	7.47	8.44	0.51
21.70	8.69	7.49	8.45	0.50
21.80	8.70	7.50	8.46	0.50
21.90	8.71	7.51	8.47	0.49
22.00	8.73	7.52	8.49	0.49
22.10	8.74	7.53	8.50	0.49
22.20	8.75	7.54	8.51	0.48
22.30	8.76	7.55	8.52	0.48
22.40	8.77	7.57	8.53	0.47
22.50	8.78	7.58	8.54	0.47
22.60	8.79	7.59	8.55	0.46
22.70	8.81	7.60	8.56	0.46
22.80	8.82	7.61	8.58	0.46
22.90	8.83	7.62	8.59	0.45
23.00	8.84	7.63	8.60	0.45
23.10	8.85	7.64	8.61	0.44
23.20	8.86	7.65	8.62	0.44
23.30	8.87	7.66	8.63	0.44
23.40	8.88	7.67	8.64	0.43
23.50	8.89	7.68	8.65	0.43
23.60	8.90	7.69	8.66	0.42
23.70	8.91	7.70	8.67	0.42
23.80	8.92	7.71	8.68	0.42
23.90	8.93	7.72	8.69	0.41
24.00	8.94	7.73	8.70	0.41
24.10	8.94	7.73	8.70	0.31
24.20	8.94	7.73	8.70	0.09
24.30	8.94	7.73	8.70	0.02
24.40	8.94	7.73	8.70	0.00
24.50	8.94	7.73	8.70	0.00
24.60	8.94	7.73	8.70	0.00
24.70	8.94	7.73	8.70	0.00
24.80	8.94	7.73	8.70	0.00
24.90	8.94	7.73	8.70	0.00
25.00	8.94	7.73	8.70	0.00
25.10	8.94	7.73	8.70	0.00
25.20	8.94	7.73	8.70	0.00
25.30	8.94	7.73	8.70	0.00
25.40	8.94	7.73	8.70	0.00
25.50	8.94	7.73	8.70	0.00
25.60	8.94	7.73	8.70	0.00
25.70	8.94	7.73	8.70	0.00
25.80	8.94	7.73	8.70	0.00
25.90	8.94	7.73	8.70	0.00
26.00	8.94	7.73	8.70	0.00
26.10	8.94	7.73	8.70	0.00
26.20	8.94	7.73	8.70	0.00
26.30	8.94	7.73	8.70	0.00
26.40	8.94	7.73	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	8.94	7.73	8.70	0.00
26.60	8.94	7.73	8.70	0.00
26.70	8.94	7.73	8.70	0.00
26.80	8.94	7.73	8.70	0.00
26.90	8.94	7.73	8.70	0.00
27.00	8.94	7.73	8.70	0.00
27.10	8.94	7.73	8.70	0.00
27.20	8.94	7.73	8.70	0.00
27.30	8.94	7.73	8.70	0.00
27.40	8.94	7.73	8.70	0.00
27.50	8.94	7.73	8.70	0.00
27.60	8.94	7.73	8.70	0.00
27.70	8.94	7.73	8.70	0.00
27.80	8.94	7.73	8.70	0.00
27.90	8.94	7.73	8.70	0.00
28.00	8.94	7.73	8.70	0.00
28.10	8.94	7.73	8.70	0.00
28.20	8.94	7.73	8.70	0.00
28.30	8.94	7.73	8.70	0.00
28.40	8.94	7.73	8.70	0.00
28.50	8.94	7.73	8.70	0.00
28.60	8.94	7.73	8.70	0.00
28.70	8.94	7.73	8.70	0.00
28.80	8.94	7.73	8.70	0.00
28.90	8.94	7.73	8.70	0.00
29.00	8.94	7.73	8.70	0.00
29.10	8.94	7.73	8.70	0.00
29.20	8.94	7.73	8.70	0.00
29.30	8.94	7.73	8.70	0.00
29.40	8.94	7.73	8.70	0.00
29.50	8.94	7.73	8.70	0.00
29.60	8.94	7.73	8.70	0.00
29.70	8.94	7.73	8.70	0.00
29.80	8.94	7.73	8.70	0.00
29.90	8.94	7.73	8.70	0.00
30.00	8.94	7.73	8.70	0.00
30.10	8.94	7.73	8.70	0.00
30.20	8.94	7.73	8.70	0.00
30.30	8.94	7.73	8.70	0.00
30.40	8.94	7.73	8.70	0.00
30.50	8.94	7.73	8.70	0.00
30.60	8.94	7.73	8.70	0.00
30.70	8.94	7.73	8.70	0.00
30.80	8.94	7.73	8.70	0.00
30.90	8.94	7.73	8.70	0.00
31.00	8.94	7.73	8.70	0.00
31.10	8.94	7.73	8.70	0.00
31.20	8.94	7.73	8.70	0.00
31.30	8.94	7.73	8.70	0.00
31.40	8.94	7.73	8.70	0.00
31.50	8.94	7.73	8.70	0.00
31.60	8.94	7.73	8.70	0.00
31.70	8.94	7.73	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment P-1: Prop. Area to Point 1 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	8.94	7.73	8.70	0.00
31.90	8.94	7.73	8.70	0.00
32.00	8.94	7.73	8.70	0.00
32.10	8.94	7.73	8.70	0.00
32.20	8.94	7.73	8.70	0.00
32.30	8.94	7.73	8.70	0.00
32.40	8.94	7.73	8.70	0.00
32.50	8.94	7.73	8.70	0.00
32.60	8.94	7.73	8.70	0.00
32.70	8.94	7.73	8.70	0.00
32.80	8.94	7.73	8.70	0.00
32.90	8.94	7.73	8.70	0.00
33.00	8.94	7.73	8.70	0.00
33.10	8.94	7.73	8.70	0.00
33.20	8.94	7.73	8.70	0.00
33.30	8.94	7.73	8.70	0.00
33.40	8.94	7.73	8.70	0.00
33.50	8.94	7.73	8.70	0.00
33.60	8.94	7.73	8.70	0.00
33.70	8.94	7.73	8.70	0.00
33.80	8.94	7.73	8.70	0.00
33.90	8.94	7.73	8.70	0.00
34.00	8.94	7.73	8.70	0.00
34.10	8.94	7.73	8.70	0.00
34.20	8.94	7.73	8.70	0.00
34.30	8.94	7.73	8.70	0.00
34.40	8.94	7.73	8.70	0.00
34.50	8.94	7.73	8.70	0.00
34.60	8.94	7.73	8.70	0.00
34.70	8.94	7.73	8.70	0.00
34.80	8.94	7.73	8.70	0.00
34.90	8.94	7.73	8.70	0.00
35.00	8.94	7.73	8.70	0.00
35.10	8.94	7.73	8.70	0.00
35.20	8.94	7.73	8.70	0.00
35.30	8.94	7.73	8.70	0.00
35.40	8.94	7.73	8.70	0.00
35.50	8.94	7.73	8.70	0.00
35.60	8.94	7.73	8.70	0.00
35.70	8.94	7.73	8.70	0.00
35.80	8.94	7.73	8.70	0.00
35.90	8.94	7.73	8.70	0.00
36.00	8.94	7.73	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

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NOAA 24-hr D 100-Year Rainfall=8.94"

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Summary for Subcatchment P-2: Prop. Area to Point 2

Runoff = 12.08 cfs @ 12.18 hrs, Volume= 53,785 cf, Depth= 8.43"

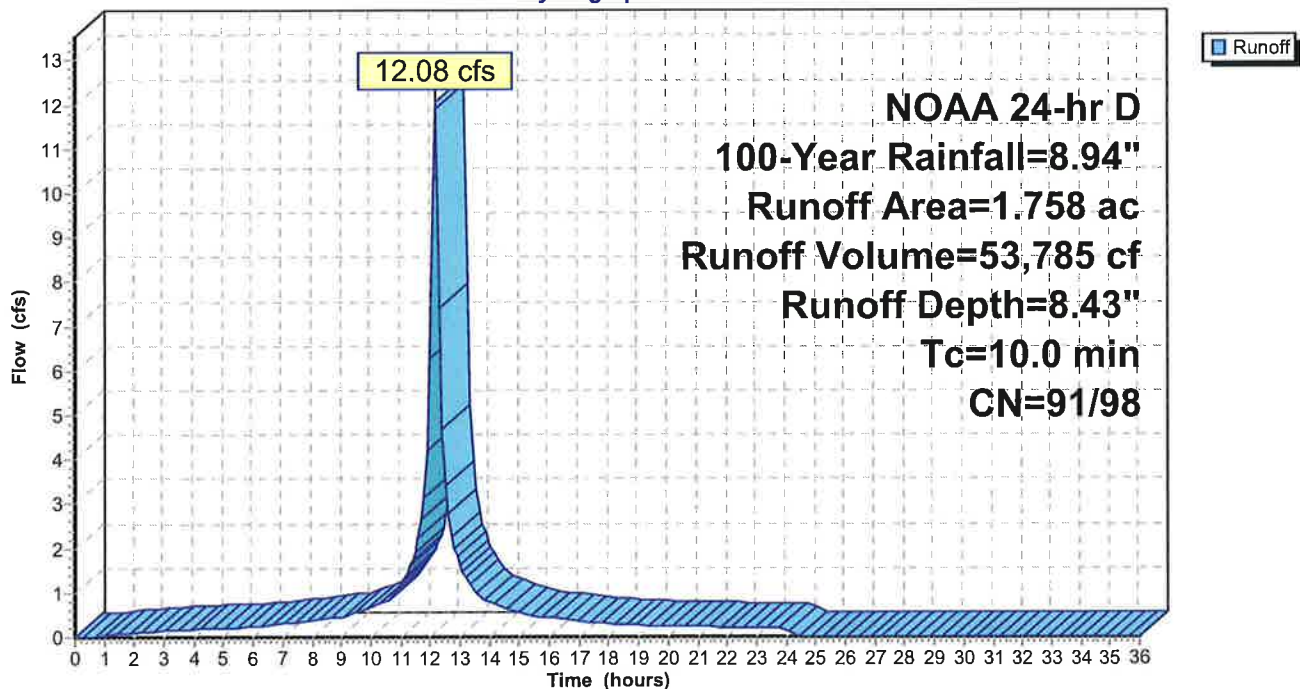
Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.00-72.00 hrs, dt= 0.10 hrs
NOAA 24-hr D 100-Year Rainfall=8.94"

Area (ac)	CN	Description
* 1.194	98	Impervious
0.402	96	Gravel surface, HSG D
0.162	80	>75% Grass cover, Good, HSG D
1.758	96	Weighted Average
0.564		32.08% Pervious Area
1.194		67.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Direct Entry

Subcatchment P-2: Prop. Area to Point 2

Hydrograph



Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	0.00
0.10	0.01	0.00	0.00	0.00
0.20	0.02	0.00	0.00	0.00
0.30	0.03	0.00	0.00	0.00
0.40	0.04	0.00	0.00	0.00
0.50	0.05	0.00	0.00	0.00
0.60	0.06	0.00	0.00	0.01
0.70	0.07	0.00	0.00	0.02
0.80	0.08	0.00	0.01	0.02
0.90	0.09	0.00	0.01	0.03
1.00	0.10	0.00	0.01	0.04
1.10	0.11	0.00	0.02	0.05
1.20	0.12	0.00	0.02	0.06
1.30	0.13	0.00	0.03	0.06
1.40	0.15	0.00	0.04	0.07
1.50	0.16	0.00	0.04	0.07
1.60	0.17	0.00	0.05	0.08
1.70	0.18	0.00	0.06	0.08
1.80	0.19	0.00	0.06	0.09
1.90	0.20	0.00	0.07	0.09
2.00	0.21	0.00	0.08	0.09
2.10	0.23	0.00	0.09	0.10
2.20	0.24	0.00	0.10	0.10
2.30	0.25	0.00	0.11	0.11
2.40	0.26	0.00	0.12	0.11
2.50	0.27	0.01	0.12	0.12
2.60	0.29	0.01	0.13	0.12
2.70	0.30	0.01	0.14	0.13
2.80	0.31	0.01	0.15	0.13
2.90	0.32	0.01	0.16	0.13
3.00	0.34	0.02	0.18	0.14
3.10	0.35	0.02	0.19	0.14
3.20	0.36	0.02	0.20	0.15
3.30	0.38	0.03	0.21	0.15
3.40	0.39	0.03	0.22	0.15
3.50	0.40	0.03	0.23	0.16
3.60	0.41	0.04	0.24	0.16
3.70	0.43	0.04	0.25	0.16
3.80	0.44	0.05	0.27	0.17
3.90	0.46	0.05	0.28	0.17
4.00	0.47	0.06	0.29	0.17
4.10	0.48	0.06	0.30	0.18
4.20	0.50	0.07	0.31	0.18
4.30	0.51	0.08	0.33	0.18
4.40	0.52	0.08	0.34	0.19
4.50	0.54	0.09	0.35	0.19
4.60	0.55	0.09	0.37	0.19
4.70	0.57	0.10	0.38	0.19
4.80	0.58	0.11	0.39	0.20
4.90	0.60	0.11	0.41	0.20
5.00	0.61	0.12	0.42	0.20
5.10	0.63	0.13	0.43	0.21
5.20	0.64	0.14	0.45	0.21

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
5.30	0.66	0.14	0.46	0.21
5.40	0.67	0.15	0.48	0.21
5.50	0.69	0.16	0.49	0.22
5.60	0.70	0.17	0.50	0.22
5.70	0.72	0.18	0.52	0.22
5.80	0.73	0.19	0.53	0.22
5.90	0.75	0.20	0.55	0.23
6.00	0.76	0.21	0.56	0.23
6.10	0.78	0.22	0.58	0.23
6.20	0.80	0.23	0.59	0.24
6.30	0.81	0.24	0.61	0.25
6.40	0.83	0.25	0.63	0.25
6.50	0.85	0.26	0.64	0.26
6.60	0.87	0.27	0.66	0.27
6.70	0.88	0.28	0.68	0.27
6.80	0.90	0.29	0.70	0.28
6.90	0.92	0.31	0.72	0.29
7.00	0.94	0.32	0.73	0.30
7.10	0.96	0.33	0.75	0.30
7.20	0.98	0.35	0.77	0.31
7.30	1.00	0.36	0.79	0.32
7.40	1.02	0.38	0.81	0.32
7.50	1.05	0.39	0.84	0.33
7.60	1.07	0.41	0.86	0.34
7.70	1.09	0.42	0.88	0.35
7.80	1.11	0.44	0.90	0.35
7.90	1.14	0.46	0.92	0.36
8.00	1.16	0.47	0.95	0.37
8.10	1.18	0.49	0.97	0.38
8.20	1.21	0.51	0.99	0.38
8.30	1.23	0.53	1.02	0.39
8.40	1.26	0.55	1.04	0.40
8.50	1.28	0.57	1.07	0.41
8.60	1.31	0.59	1.09	0.41
8.70	1.34	0.61	1.12	0.42
8.80	1.36	0.63	1.15	0.43
8.90	1.39	0.65	1.17	0.44
9.00	1.42	0.67	1.20	0.44
9.10	1.45	0.70	1.23	0.46
9.20	1.48	0.72	1.26	0.48
9.30	1.51	0.75	1.29	0.50
9.40	1.54	0.78	1.32	0.52
9.50	1.58	0.80	1.36	0.55
9.60	1.61	0.83	1.39	0.57
9.70	1.65	0.86	1.43	0.60
9.80	1.69	0.90	1.47	0.62
9.90	1.73	0.93	1.51	0.65
10.00	1.77	0.97	1.55	0.67
10.10	1.82	1.00	1.59	0.70
10.20	1.86	1.04	1.64	0.72
10.30	1.91	1.08	1.68	0.75
10.40	1.95	1.12	1.73	0.77
10.50	2.00	1.17	1.78	0.80

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
10.60	2.06	1.21	1.83	0.84
10.70	2.12	1.27	1.89	0.91
10.80	2.18	1.32	1.95	1.00
10.90	2.25	1.38	2.02	1.09
11.00	2.32	1.45	2.10	1.18
11.10	2.41	1.53	2.18	1.29
11.20	2.50	1.61	2.27	1.43
11.30	2.60	1.70	2.37	1.58
11.40	2.71	1.81	2.48	1.74
11.50	2.83	1.92	2.60	1.91
11.60	3.00	2.07	2.76	2.20
11.70	3.17	2.23	2.93	2.66
11.80	3.40	2.45	3.17	3.15
11.90	3.72	2.75	3.49	4.19
12.00	4.28	3.29	4.05	6.26
12.10	5.22	4.19	4.98	10.30
12.20	5.54	4.51	5.30	11.91
12.30	5.77	4.74	5.54	7.40
12.40	5.94	4.90	5.71	4.68
12.50	6.11	5.06	5.87	3.41
12.60	6.23	5.18	5.99	2.79
12.70	6.34	5.29	6.10	2.27
12.80	6.44	5.39	6.20	1.99
12.90	6.53	5.48	6.29	1.81
13.00	6.62	5.56	6.38	1.64
13.10	6.69	5.63	6.45	1.48
13.20	6.76	5.70	6.52	1.34
13.30	6.82	5.77	6.59	1.23
13.40	6.88	5.82	6.64	1.14
13.50	6.94	5.88	6.70	1.05
13.60	6.99	5.93	6.75	0.96
13.70	7.03	5.97	6.79	0.88
13.80	7.08	6.02	6.84	0.84
13.90	7.12	6.06	6.89	0.81
14.00	7.17	6.10	6.93	0.79
14.10	7.21	6.14	6.97	0.76
14.20	7.25	6.18	7.01	0.74
14.30	7.29	6.22	7.05	0.71
14.40	7.33	6.26	7.09	0.69
14.50	7.36	6.30	7.12	0.66
14.60	7.40	6.33	7.16	0.64
14.70	7.43	6.36	7.19	0.61
14.80	7.46	6.39	7.22	0.59
14.90	7.49	6.42	7.25	0.56
15.00	7.52	6.45	7.28	0.54
15.10	7.55	6.48	7.31	0.51
15.20	7.58	6.51	7.34	0.49
15.30	7.60	6.53	7.36	0.48
15.40	7.63	6.56	7.39	0.47
15.50	7.66	6.58	7.42	0.47
15.60	7.68	6.61	7.44	0.46
15.70	7.71	6.63	7.47	0.45
15.80	7.73	6.66	7.49	0.45

Pine Belt Nissan - Stormwater Analysis

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
15.90	7.76	6.68	7.52	0.44
16.00	7.78	6.71	7.54	0.43
16.10	7.80	6.73	7.56	0.42
16.20	7.83	6.75	7.59	0.42
16.30	7.85	6.78	7.61	0.41
16.40	7.87	6.80	7.63	0.40
16.50	7.89	6.82	7.65	0.40
16.60	7.92	6.84	7.68	0.39
16.70	7.94	6.86	7.70	0.38
16.80	7.96	6.88	7.72	0.38
16.90	7.98	6.90	7.74	0.37
17.00	8.00	6.92	7.76	0.36
17.10	8.02	6.94	7.78	0.35
17.20	8.04	6.96	7.80	0.35
17.30	8.06	6.98	7.82	0.34
17.40	8.07	7.00	7.83	0.33
17.50	8.09	7.02	7.85	0.33
17.60	8.11	7.03	7.87	0.32
17.70	8.13	7.05	7.89	0.31
17.80	8.14	7.07	7.90	0.30
17.90	8.16	7.08	7.92	0.30
18.00	8.18	7.10	7.94	0.29
18.10	8.19	7.11	7.95	0.28
18.20	8.21	7.13	7.97	0.28
18.30	8.22	7.15	7.98	0.28
18.40	8.24	7.16	8.00	0.27
18.50	8.25	7.18	8.01	0.27
18.60	8.27	7.19	8.03	0.27
18.70	8.28	7.21	8.04	0.27
18.80	8.30	7.22	8.06	0.27
18.90	8.31	7.23	8.07	0.26
19.00	8.33	7.25	8.09	0.26
19.10	8.34	7.26	8.10	0.26
19.20	8.36	7.28	8.12	0.26
19.30	8.37	7.29	8.13	0.26
19.40	8.39	7.31	8.15	0.26
19.50	8.40	7.32	8.16	0.25
19.60	8.42	7.33	8.18	0.25
19.70	8.43	7.35	8.19	0.25
19.80	8.44	7.36	8.20	0.25
19.90	8.46	7.38	8.22	0.25
20.00	8.47	7.39	8.23	0.24
20.10	8.48	7.40	8.24	0.24
20.20	8.50	7.42	8.26	0.24
20.30	8.51	7.43	8.27	0.24
20.40	8.53	7.44	8.28	0.24
20.50	8.54	7.46	8.30	0.24
20.60	8.55	7.47	8.31	0.23
20.70	8.56	7.48	8.32	0.23
20.80	8.58	7.50	8.34	0.23
20.90	8.59	7.51	8.35	0.23
21.00	8.60	7.52	8.36	0.23
21.10	8.62	7.53	8.38	0.23

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
21.20	8.63	7.55	8.39	0.22
21.30	8.64	7.56	8.40	0.22
21.40	8.65	7.57	8.41	0.22
21.50	8.67	7.58	8.43	0.22
21.60	8.68	7.59	8.44	0.22
21.70	8.69	7.61	8.45	0.21
21.80	8.70	7.62	8.46	0.21
21.90	8.71	7.63	8.47	0.21
22.00	8.73	7.64	8.49	0.21
22.10	8.74	7.65	8.50	0.21
22.20	8.75	7.66	8.51	0.21
22.30	8.76	7.68	8.52	0.20
22.40	8.77	7.69	8.53	0.20
22.50	8.78	7.70	8.54	0.20
22.60	8.79	7.71	8.55	0.20
22.70	8.81	7.72	8.56	0.20
22.80	8.82	7.73	8.58	0.20
22.90	8.83	7.74	8.59	0.19
23.00	8.84	7.75	8.60	0.19
23.10	8.85	7.76	8.61	0.19
23.20	8.86	7.77	8.62	0.19
23.30	8.87	7.78	8.63	0.19
23.40	8.88	7.79	8.64	0.18
23.50	8.89	7.80	8.65	0.18
23.60	8.90	7.81	8.66	0.18
23.70	8.91	7.82	8.67	0.18
23.80	8.92	7.83	8.68	0.18
23.90	8.93	7.84	8.69	0.18
24.00	8.94	7.85	8.70	0.17
24.10	8.94	7.85	8.70	0.13
24.20	8.94	7.85	8.70	0.04
24.30	8.94	7.85	8.70	0.01
24.40	8.94	7.85	8.70	0.00
24.50	8.94	7.85	8.70	0.00
24.60	8.94	7.85	8.70	0.00
24.70	8.94	7.85	8.70	0.00
24.80	8.94	7.85	8.70	0.00
24.90	8.94	7.85	8.70	0.00
25.00	8.94	7.85	8.70	0.00
25.10	8.94	7.85	8.70	0.00
25.20	8.94	7.85	8.70	0.00
25.30	8.94	7.85	8.70	0.00
25.40	8.94	7.85	8.70	0.00
25.50	8.94	7.85	8.70	0.00
25.60	8.94	7.85	8.70	0.00
25.70	8.94	7.85	8.70	0.00
25.80	8.94	7.85	8.70	0.00
25.90	8.94	7.85	8.70	0.00
26.00	8.94	7.85	8.70	0.00
26.10	8.94	7.85	8.70	0.00
26.20	8.94	7.85	8.70	0.00
26.30	8.94	7.85	8.70	0.00
26.40	8.94	7.85	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
26.50	8.94	7.85	8.70	0.00
26.60	8.94	7.85	8.70	0.00
26.70	8.94	7.85	8.70	0.00
26.80	8.94	7.85	8.70	0.00
26.90	8.94	7.85	8.70	0.00
27.00	8.94	7.85	8.70	0.00
27.10	8.94	7.85	8.70	0.00
27.20	8.94	7.85	8.70	0.00
27.30	8.94	7.85	8.70	0.00
27.40	8.94	7.85	8.70	0.00
27.50	8.94	7.85	8.70	0.00
27.60	8.94	7.85	8.70	0.00
27.70	8.94	7.85	8.70	0.00
27.80	8.94	7.85	8.70	0.00
27.90	8.94	7.85	8.70	0.00
28.00	8.94	7.85	8.70	0.00
28.10	8.94	7.85	8.70	0.00
28.20	8.94	7.85	8.70	0.00
28.30	8.94	7.85	8.70	0.00
28.40	8.94	7.85	8.70	0.00
28.50	8.94	7.85	8.70	0.00
28.60	8.94	7.85	8.70	0.00
28.70	8.94	7.85	8.70	0.00
28.80	8.94	7.85	8.70	0.00
28.90	8.94	7.85	8.70	0.00
29.00	8.94	7.85	8.70	0.00
29.10	8.94	7.85	8.70	0.00
29.20	8.94	7.85	8.70	0.00
29.30	8.94	7.85	8.70	0.00
29.40	8.94	7.85	8.70	0.00
29.50	8.94	7.85	8.70	0.00
29.60	8.94	7.85	8.70	0.00
29.70	8.94	7.85	8.70	0.00
29.80	8.94	7.85	8.70	0.00
29.90	8.94	7.85	8.70	0.00
30.00	8.94	7.85	8.70	0.00
30.10	8.94	7.85	8.70	0.00
30.20	8.94	7.85	8.70	0.00
30.30	8.94	7.85	8.70	0.00
30.40	8.94	7.85	8.70	0.00
30.50	8.94	7.85	8.70	0.00
30.60	8.94	7.85	8.70	0.00
30.70	8.94	7.85	8.70	0.00
30.80	8.94	7.85	8.70	0.00
30.90	8.94	7.85	8.70	0.00
31.00	8.94	7.85	8.70	0.00
31.10	8.94	7.85	8.70	0.00
31.20	8.94	7.85	8.70	0.00
31.30	8.94	7.85	8.70	0.00
31.40	8.94	7.85	8.70	0.00
31.50	8.94	7.85	8.70	0.00
31.60	8.94	7.85	8.70	0.00
31.70	8.94	7.85	8.70	0.00

Pine Belt Nissan - Stormwater Analysis

NOAA 24-hr D 100-Year Rainfall=8.94"

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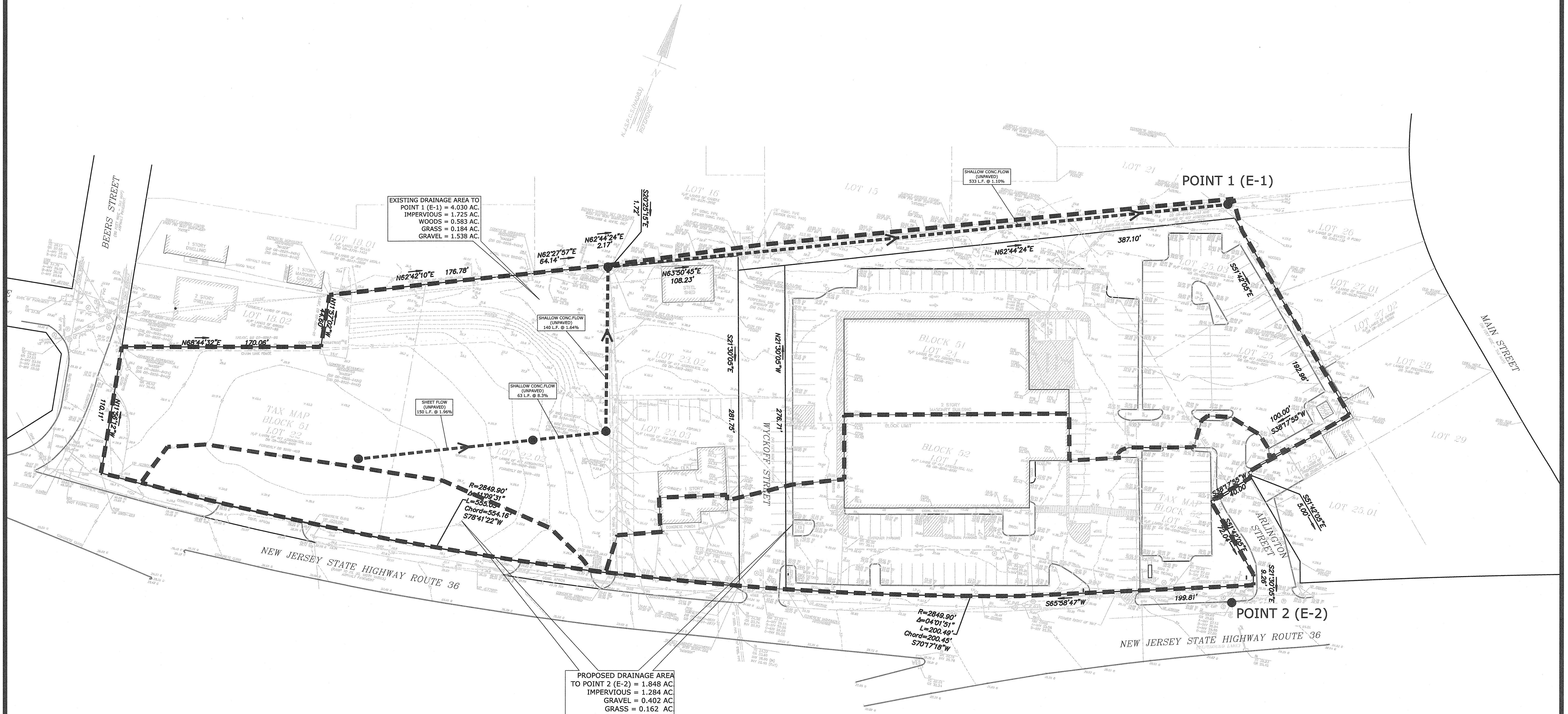
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Hydrograph for Subcatchment P-2: Prop. Area to Point 2 (continued)

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
31.80	8.94	7.85	8.70	0.00
31.90	8.94	7.85	8.70	0.00
32.00	8.94	7.85	8.70	0.00
32.10	8.94	7.85	8.70	0.00
32.20	8.94	7.85	8.70	0.00
32.30	8.94	7.85	8.70	0.00
32.40	8.94	7.85	8.70	0.00
32.50	8.94	7.85	8.70	0.00
32.60	8.94	7.85	8.70	0.00
32.70	8.94	7.85	8.70	0.00
32.80	8.94	7.85	8.70	0.00
32.90	8.94	7.85	8.70	0.00
33.00	8.94	7.85	8.70	0.00
33.10	8.94	7.85	8.70	0.00
33.20	8.94	7.85	8.70	0.00
33.30	8.94	7.85	8.70	0.00
33.40	8.94	7.85	8.70	0.00
33.50	8.94	7.85	8.70	0.00
33.60	8.94	7.85	8.70	0.00
33.70	8.94	7.85	8.70	0.00
33.80	8.94	7.85	8.70	0.00
33.90	8.94	7.85	8.70	0.00
34.00	8.94	7.85	8.70	0.00
34.10	8.94	7.85	8.70	0.00
34.20	8.94	7.85	8.70	0.00
34.30	8.94	7.85	8.70	0.00
34.40	8.94	7.85	8.70	0.00
34.50	8.94	7.85	8.70	0.00
34.60	8.94	7.85	8.70	0.00
34.70	8.94	7.85	8.70	0.00
34.80	8.94	7.85	8.70	0.00
34.90	8.94	7.85	8.70	0.00
35.00	8.94	7.85	8.70	0.00
35.10	8.94	7.85	8.70	0.00
35.20	8.94	7.85	8.70	0.00
35.30	8.94	7.85	8.70	0.00
35.40	8.94	7.85	8.70	0.00
35.50	8.94	7.85	8.70	0.00
35.60	8.94	7.85	8.70	0.00
35.70	8.94	7.85	8.70	0.00
35.80	8.94	7.85	8.70	0.00
35.90	8.94	7.85	8.70	0.00
36.00	8.94	7.85	8.70	0.00

APPENDIX C

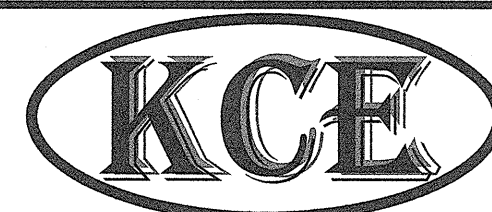
DRAINAGE AREA MAPS



EXISTING DRAINAGE AREA MAP

PINE BELT NISSAN

LOTS 1 & 2 IN BLOCK 52,
LOTS 22, 22.02, 23.02, 22.03, 24, 25 & 25.03 IN BLOCK 51
BOROUGH OF KEYPORT - TAX MAP SHEET 2
MONMOUTH COUNTY - NEW JERSEY

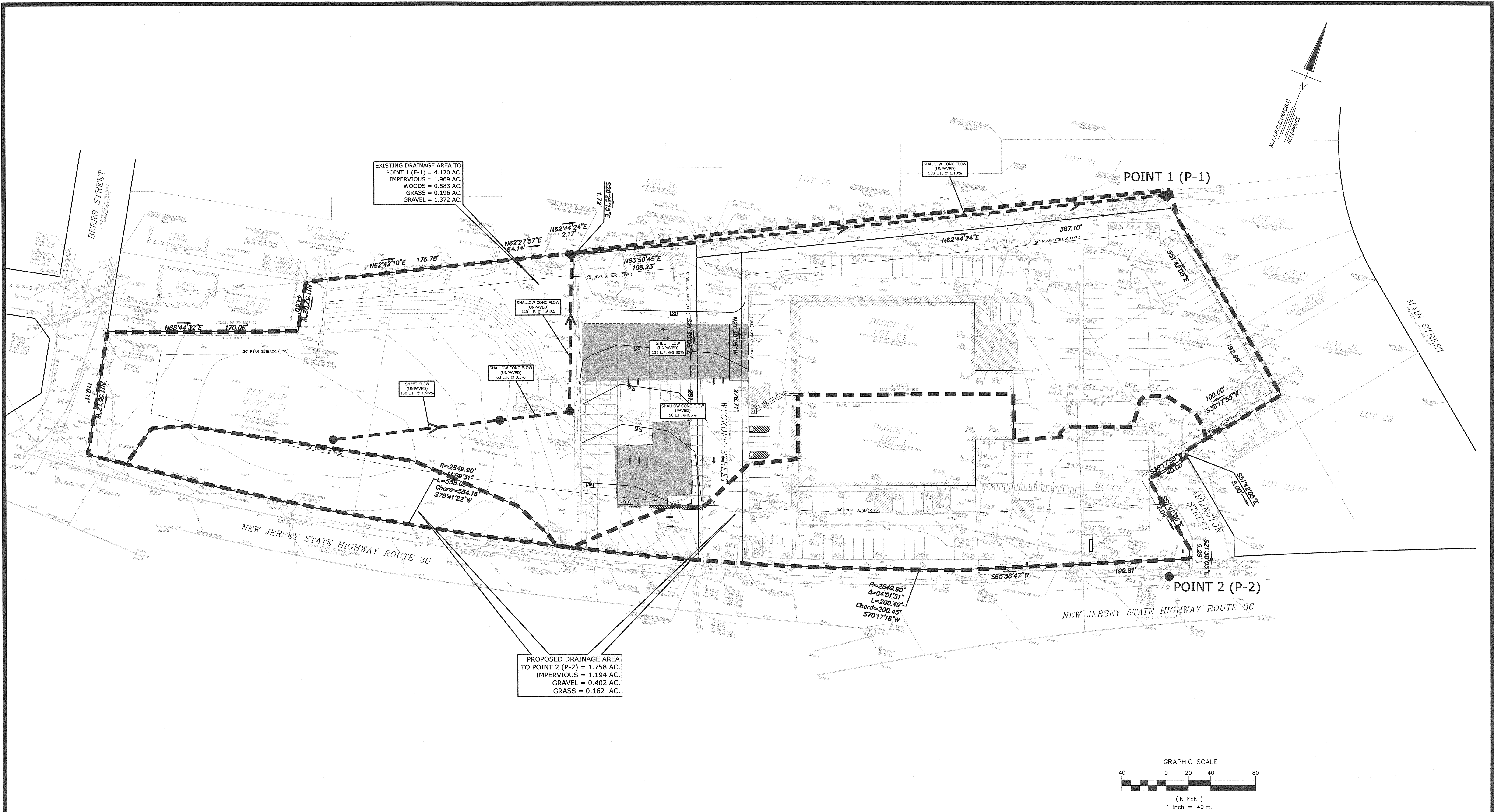


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EXISTING DRAINAGE
AREA MAP

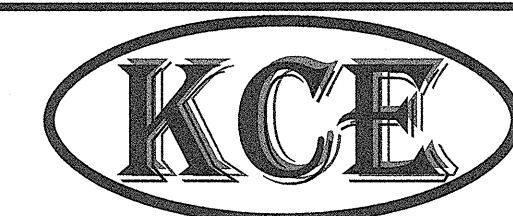
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DATE: 05/09/22



PROPOSED DRAINAGE AREA MAP

PINE BELT NISSAN
LOTS 1 & 2 IN BLOCK 52,
LOTS 22, 22.02, 23.02, 22.03, 24, 25 & 25.03 IN BLOCK 51
BOROUGH OF KEYPORT - TAX MAP SHEET 2
MONMOUTH COUNTY - NEW JERSEY



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PROPOSED DRAINAGE AREA MAP

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DATE: 05/09/22