Storm Water Report

301 Broadway Mixed Use

301 Broadway Street
Eagle, Colorado

Prepared for:

NEO Studio
3560 Walnut St. Unit A
Denver, Colorado 80205

This report has been prepared by the staff of DCI Engineers under the direction of the undersigned professional engineer whose stamp and signature appears hereon.

Prepared by:

707 W. 2nd Avenue •Spokane, WA 99201
Tele: (509) 455-4448 •FAX: (509) 455-7492

Brady M. Ott, PE

Digitally signed by Brady M. Ott, PE
DN: C=US, E=bott@dci-engineers.com, O=DCI Engineers, CN="Brady M. Ott, PE"
Reason: I am approving this document
Date: 2025.12.04 08:31:32-07'00'

COLORADO LICENSED BRADY M. OTT 51217 PROFESSIONAL ENGINEER

DCI Job No.: #25042-0034
Date: July 7, 2025
Revised: December 3, 2025

The methods, descriptions, and design calculations shown in this design report conform to the Town of Eagle Drainage Design Criteria unless noted otherwise and are under the jurisdiction of the Town of Eagle relative to the collection, treatment, and disposal of the stormwater runoff.

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Basis of Design of Storm Water System

1.0 INTRODUCTION

The proposed 301 Broadway Mixed Use Project is in downtown Eagle, Colorado, approximately 1/2 of a mile south of the Interstate 70 exit. The Project is located on the corner of Third Street and Broadway Street. The Property is approximately 0.28 acres. It is bordered by Third Street residence to the north, a gravel alley to the west, a commercial building to the south and Broadway Street to the east. The Project is a proposed mixed use commercial-residential with commercial on the ground floor and smaller residential units on the upper levels. This report addresses the stormwater generated runoff from the proposed development and connection to the existing Town stormwater infrastructure prior to being released to the Eagle River.

2.0 EXISTING LAND USE

The Property is currently existing as a commercial building. Most of the property contains the building and associated parking, surrounded on (2) sides by concrete sidewalks. The majority of the site is impervious surface.

3.0 DRAINAGE BASINS

The downtown core of Eagle allows zero setback building construction, and therefore the proposed building is designed to be built to each property line, on all sides. The proposed drainage will be collected on the roof and piped to a discharge point on the southern edge of the proposed building. The runoff will connect to an existing stormwater curb inlet along Broadway Street. The existing curb inlet connects to an 18” RCP storm pipe that travels to the 30” RCP storm collector in Broadway Street. This pipe crosses Highway 6 and then discharges into the Eagle River.

4.0 HYDROLOGY – PEAK FLOW DETERMINATION

Peak flows have been calculated using the SCS method for Type II rainfall. The Town of Eagle Drainage Design Criteria was reviewed to adhere to the standards. A 10-, 25- and 100-year storm event were analyzed per Public Works Design Manual and the 2020 ordinance suggesting a 10 year storm event for design consideration. Rainfall intensities were taken from NOAA Atlas 14 and the precipitation tables are included in Appendix III. Soil classification types were found in the “Web Soil Survey” prepared by the U.S. Department of Agriculture Soil Conservation Service (NRCS). A summary and map of the soils may be found in Appendix IV. The entire site is comprised of Type B soils, which have moderate infiltration rates, are well drained and have moderate water transmission rates.

Developed Peak Flows were determined utilizing the SCS method. The specific developed drainage basins were given runoff curve numbers (RCN) representative of their relative impervious areas. Since the entire site is impervious in both its existing and developed conditions, just one set of calculations was generated, using a RCN of 98. All runoff calculations can be seen in Appendix V. The developed stormwater runoff was calculated as 0.61, 0.74 and 0.94 cfs for the 10-, 25- and 100- year events respectively.

5.0 HYDRAULICS – CULVERTS

The existing stormwater infrastructure in Broadway Street is a 30" RCP storm main. A 90% full 30" RCP pipe at 0.5% can convey 30.9 cfs (Manning's Equation- Appendix VI). The proposed Project will introduce 0.61 additional cfs (10-year event) to the Town system, approximately a 2.0% increase. In the event the Town's storm system becomes inundated with runoff, the Town's curbed street system will provide sufficient volume to carry the 100-year event (per 2002 Master Drainage Study).

6.0 SEDIMENT AND EROSION CONTROL

A sediment and erosion control plan have been developed for the project to limit the transport of sediments and contaminants to the Town facilities and the Eagle River. Devices to be used during construction to prevent sediment laden runoff from leaving the site include stabilized construction entrances, excelsior wattles and inlet protection.

Appendix I

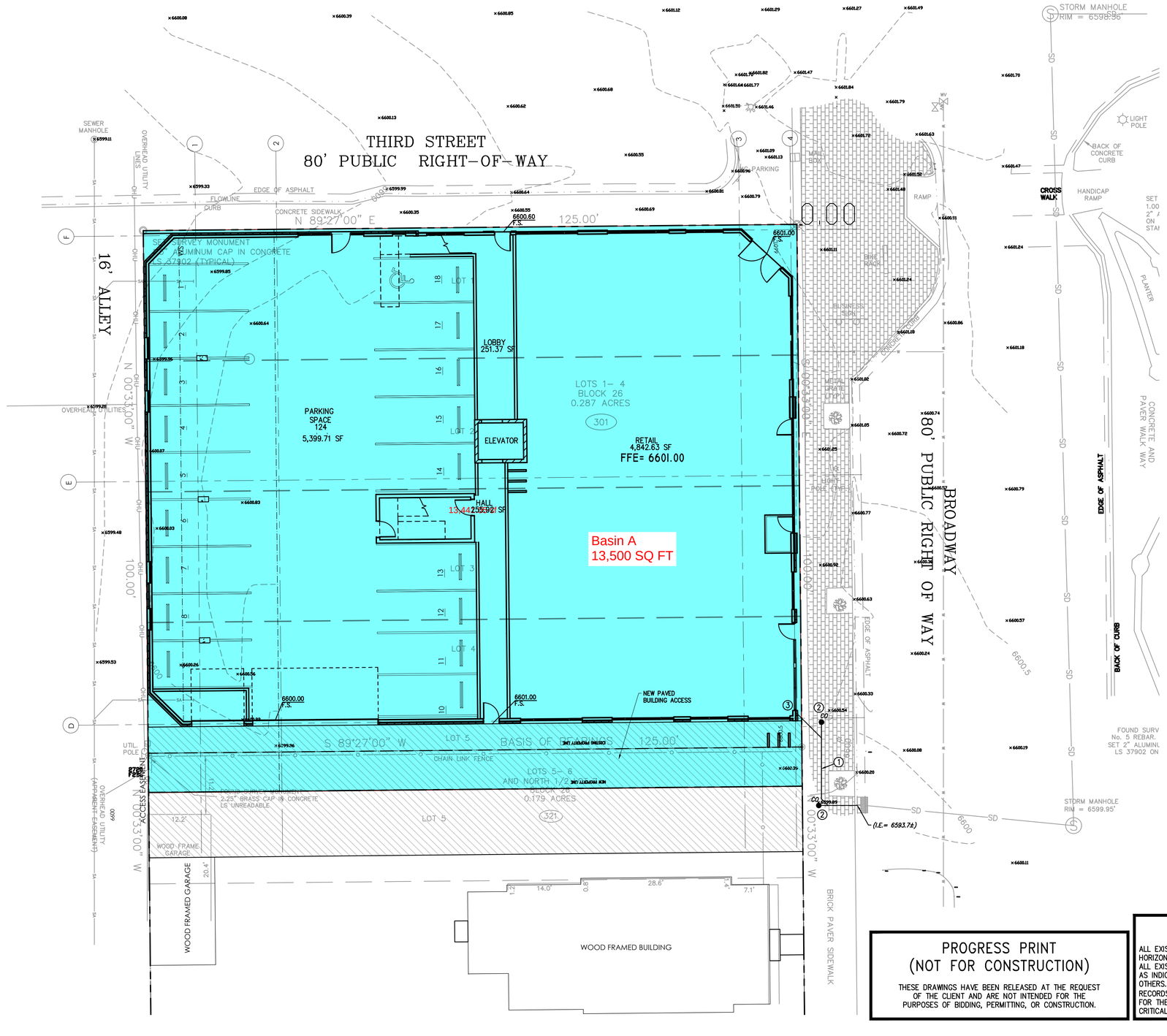
Project Location Map


301 Broadway Street
Eagle River Park
Eagle River
Ping Ln
6
Red Canyon Cafe
United Methodis
Howard St
E 2nd St
W 2nd St
Allen
Capitol St
Church St
Brush Creek Saloon
W 3rd St
E 3rd St
Brooks Ln
Washington St
Wall St
Eagle Yeti's Grind
W 4th St
E 4th St
E 4th
W 5th St
McIntire St
Eagle County Motor Vehicle Services
Broadway St
E 5th St
Red Canyon
Eagle Town Park

Appendix II

Post-Development Basin Map

301 BROADWAY MIXED USE
301 BROADWAY ST
EAGLE CO



REFERENCE NOTES:

1. CONNECT ROOF DRAINAGE TO EXISTING DRAINAGE STRUCTURE. CORE AND GROUT CONNECTION. REMOVE AND REPLACE EXISTING SIDEWALK.
2. PROVIDE NEW CLEANOUT TO GRADE.
3. CONNECT TO BUILDING ROOF DRAIN SYSTEM. SEE MECHANICAL PLANS.

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 inch = 10 ft.

PROGRESS PRINT
(NOT FOR CONSTRUCTION)

THESE DRAWINGS HAVE BEEN RELEASED AT THE REQUEST OF THE CLIENT AND ARE NOT INTENDED FOR THE PURPOSES OF BIDDING, PERMITTING, OR CONSTRUCTION.

CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

PREPARED BY
DCI ENGINEERS
707 W 2nd Avenue
Spokane, Washington 99201
P: (509) 455-4448 www.dci-engineers.com
STRUCTURAL / CIVIL / SURVEY / ROW

ENGINEER STAMP

LEGAL DESCRIPTION

ISSUANCE

301 BROADWAY MIXED USE
301 BROADWAY ST
EAGLE, CO 81631

ISSUES AND REVISIONS

NO	DATE	DESCRIPTION

Project No.:	25-42-0042
Proj. Manager:	MRG
Drawn:	SDK
Reviewed:	MRG
Dwg. Check:	.
Date:	6-5-2025
Scale:	

SHEET TITLE

GRADING AND DRAINAGE PLAN

SHEET NUMBER

C1.30

PLOT DATE: 6/5/2025 10:25 AM FILE LOCATION: O:\0420-Spokane\DCI-Civil\2025\25-42-0042-301-321-333-BROADWAY-EAGLE-CO,LORADO\CAD\25042-0042_GRADING PLAN.dwg

Appendix III

Precipitation Data

NOAA Atlas 14, Volume 8, Version 2
Location name: Eagle, Colorado, USA*
Latitude: 39.6522°, Longitude: -106.8272°
Elevation: 6603 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffery Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.103 (0.085-0.129)	0.155 (0.127-0.193)	0.237 (0.193-0.297)	0.304 (0.247-0.383)	0.395 (0.304-0.520)	0.464 (0.347-0.623)	0.531 (0.381-0.739)	0.598 (0.408-0.865)	0.685 (0.446-1.03)	0.749 (0.474-1.16)
10-min	0.151 (0.124-0.188)	0.226 (0.185-0.282)	0.347 (0.283-0.434)	0.446 (0.361-0.561)	0.579 (0.445-0.761)	0.679 (0.509-0.912)	0.778 (0.559-1.08)	0.876 (0.597-1.27)	1.00 (0.652-1.51)	1.10 (0.694-1.69)
15-min	0.184 (0.151-0.229)	0.276 (0.226-0.344)	0.423 (0.345-0.530)	0.544 (0.440-0.684)	0.706 (0.543-0.928)	0.828 (0.620-1.11)	0.948 (0.681-1.32)	1.07 (0.728-1.54)	1.22 (0.796-1.84)	1.34 (0.846-2.06)
30-min	0.255 (0.209-0.317)	0.349 (0.286-0.435)	0.504 (0.411-0.630)	0.632 (0.512-0.796)	0.810 (0.626-1.07)	0.948 (0.712-1.28)	1.09 (0.782-1.52)	1.23 (0.838-1.78)	1.41 (0.921-2.13)	1.55 (0.984-2.40)
60-min	0.331 (0.272-0.412)	0.422 (0.346-0.526)	0.573 (0.468-0.717)	0.702 (0.569-0.884)	0.884 (0.685-1.17)	1.03 (0.774-1.39)	1.17 (0.847-1.64)	1.32 (0.908-1.93)	1.53 (1.00-2.32)	1.69 (1.07-2.61)
2-hr	0.408 (0.337-0.504)	0.495 (0.408-0.612)	0.643 (0.528-0.798)	0.772 (0.629-0.963)	0.957 (0.750-1.26)	1.11 (0.842-1.48)	1.26 (0.920-1.75)	1.42 (0.987-2.05)	1.65 (1.09-2.46)	1.83 (1.17-2.78)
3-hr	0.471 (0.390-0.578)	0.550 (0.455-0.676)	0.687 (0.566-0.848)	0.808 (0.661-1.00)	0.986 (0.779-1.29)	1.13 (0.868-1.51)	1.29 (0.945-1.78)	1.45 (1.01-2.08)	1.68 (1.12-2.49)	1.86 (1.20-2.81)
6-hr	0.603 (0.503-0.735)	0.678 (0.565-0.827)	0.811 (0.673-0.993)	0.932 (0.768-1.15)	1.11 (0.888-1.45)	1.27 (0.979-1.67)	1.43 (1.06-1.95)	1.60 (1.13-2.27)	1.85 (1.25-2.71)	2.05 (1.34-3.05)
12-hr	0.751 (0.630-0.908)	0.858 (0.719-1.04)	1.04 (0.869-1.26)	1.20 (0.996-1.47)	1.43 (1.15-1.83)	1.62 (1.26-2.11)	1.82 (1.36-2.44)	2.02 (1.44-2.81)	2.31 (1.57-3.32)	2.54 (1.67-3.71)
24-hr	0.917 (0.774-1.10)	1.06 (0.893-1.27)	1.30 (1.09-1.56)	1.50 (1.25-1.82)	1.80 (1.44-2.27)	2.03 (1.59-2.61)	2.27 (1.71-3.01)	2.52 (1.81-3.46)	2.87 (1.96-4.06)	3.14 (2.08-4.52)
2-day	1.10 (0.934-1.31)	1.25 (1.06-1.49)	1.52 (1.28-1.81)	1.75 (1.47-2.10)	2.09 (1.70-2.62)	2.36 (1.87-3.01)	2.65 (2.01-3.47)	2.95 (2.14-3.99)	3.37 (2.33-4.71)	3.70 (2.48-5.25)
3-day	1.21 (1.03-1.43)	1.38 (1.18-1.64)	1.68 (1.42-1.99)	1.93 (1.63-2.30)	2.30 (1.87-2.86)	2.60 (2.06-3.28)	2.91 (2.22-3.78)	3.23 (2.35-4.34)	3.69 (2.57-5.11)	4.04 (2.73-5.68)
4-day	1.30 (1.12-1.54)	1.49 (1.27-1.76)	1.80 (1.53-2.13)	2.06 (1.75-2.46)	2.45 (2.00-3.04)	2.76 (2.20-3.48)	3.09 (2.36-3.99)	3.42 (2.50-4.57)	3.89 (2.72-5.35)	4.26 (2.89-5.95)
7-day	1.55 (1.34-1.82)	1.74 (1.50-2.04)	2.06 (1.77-2.43)	2.34 (1.99-2.77)	2.74 (2.25-3.36)	3.06 (2.45-3.81)	3.39 (2.61-4.34)	3.74 (2.75-4.92)	4.21 (2.97-5.72)	4.58 (3.14-6.32)
10-day	1.76 (1.52-2.06)	1.96 (1.69-2.29)	2.30 (1.97-2.69)	2.58 (2.21-3.04)	2.99 (2.47-3.65)	3.32 (2.67-4.11)	3.66 (2.84-4.65)	4.02 (2.97-5.25)	4.50 (3.20-6.07)	4.89 (3.36-6.68)
20-day	2.35 (2.04-2.72)	2.60 (2.26-3.01)	3.02 (2.61-3.50)	3.37 (2.90-3.93)	3.87 (3.21-4.65)	4.26 (3.45-5.19)	4.65 (3.63-5.82)	5.06 (3.78-6.51)	5.62 (4.02-7.43)	6.04 (4.20-8.13)
30-day	2.84 (2.48-3.27)	3.15 (2.75-3.63)	3.66 (3.18-4.22)	4.08 (3.52-4.73)	4.65 (3.88-5.55)	5.10 (4.15-6.17)	5.54 (4.35-6.87)	5.99 (4.50-7.63)	6.59 (4.74-8.63)	7.04 (4.93-9.38)
45-day	3.48 (3.05-3.99)	3.87 (3.39-4.44)	4.50 (3.92-5.16)	5.00 (4.34-5.77)	5.68 (4.74-6.70)	6.18 (5.04-7.41)	6.68 (5.26-8.19)	7.16 (5.40-9.02)	7.78 (5.63-10.1)	8.24 (5.81-10.9)
60-day	4.04 (3.55-4.61)	4.50 (3.95-5.14)	5.22 (4.57-5.98)	5.80 (5.04-6.67)	6.55 (5.48-7.68)	7.10 (5.81-8.46)	7.63 (6.02-9.29)	8.13 (6.14-10.2)	8.76 (6.36-11.2)	9.20 (6.52-12.0)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical

Appendix IV

Soils Summary

Soil Map—Aspen-Gypsum Area, Colorado, Parts of Eagle, Garfield, and Pitkin Counties
(301 Broadway)

Map Scale: 1:254 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 3 7 14 21

Feet: 0 10 20 40 60

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N 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
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

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: Aspen-Gypsum Area, Colorado, Parts of Eagle, Garfield, and Pitkin Counties
Survey Area Data: Version 15, Aug 29, 2024

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

Date(s) aerial images were photographed: Sep 5, 2021—Sep 7, 2021

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

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
26	Dahlquist-Southace complex, 6 to 12 percent slopes	0.3	100.0%
Totals for Area of Interest		**0.3**	**100.0%**

Aspen-Gypsum Area, Colorado, Parts of Eagle, Garfield, and Pitkin Counties

26—Dahlquist-Southace complex, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: jq5d
Elevation: 6,200 to 7,400 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 42 to 46 degrees F
Frost-free period: 75 to 95 days
Farmland classification: Not prime farmland

Map Unit Composition

Dahlquist and similar soils: 50 percent
Southace and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dahlquist

Setting

Landform: Terraces, alluvial fans
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 6 inches: cobbly sandy loam
H2 - 6 to 13 inches: very cobbly sandy clay loam
H3 - 13 to 23 inches: very cobbly sandy loam
H4 - 23 to 60 inches: extremely cobbly sandy loam

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: Low (about 3.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: B

Ecological site: R048AY303CO - Loamy Slopes
Other vegetative classification: LOAMY SLOPES (null_31)
Hydric soil rating: No

Description of Southace

Setting

Landform: Terraces, alluvial fans
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: very stony sandy loam
H2 - 10 to 22 inches: extremely stony sandy loam
H3 - 22 to 60 inches: extremely stony loamy coarse sand

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R048AY287CO - Stony Foothills
Other vegetative classification: Stony Foothills (null_81)
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Aspen-Gypsum Area, Colorado, Parts of Eagle, Garfield, and Pitkin Counties
Survey Area Data: Version 15, Aug 29, 2024

Appendix V

Developed Flow Rate Calculations

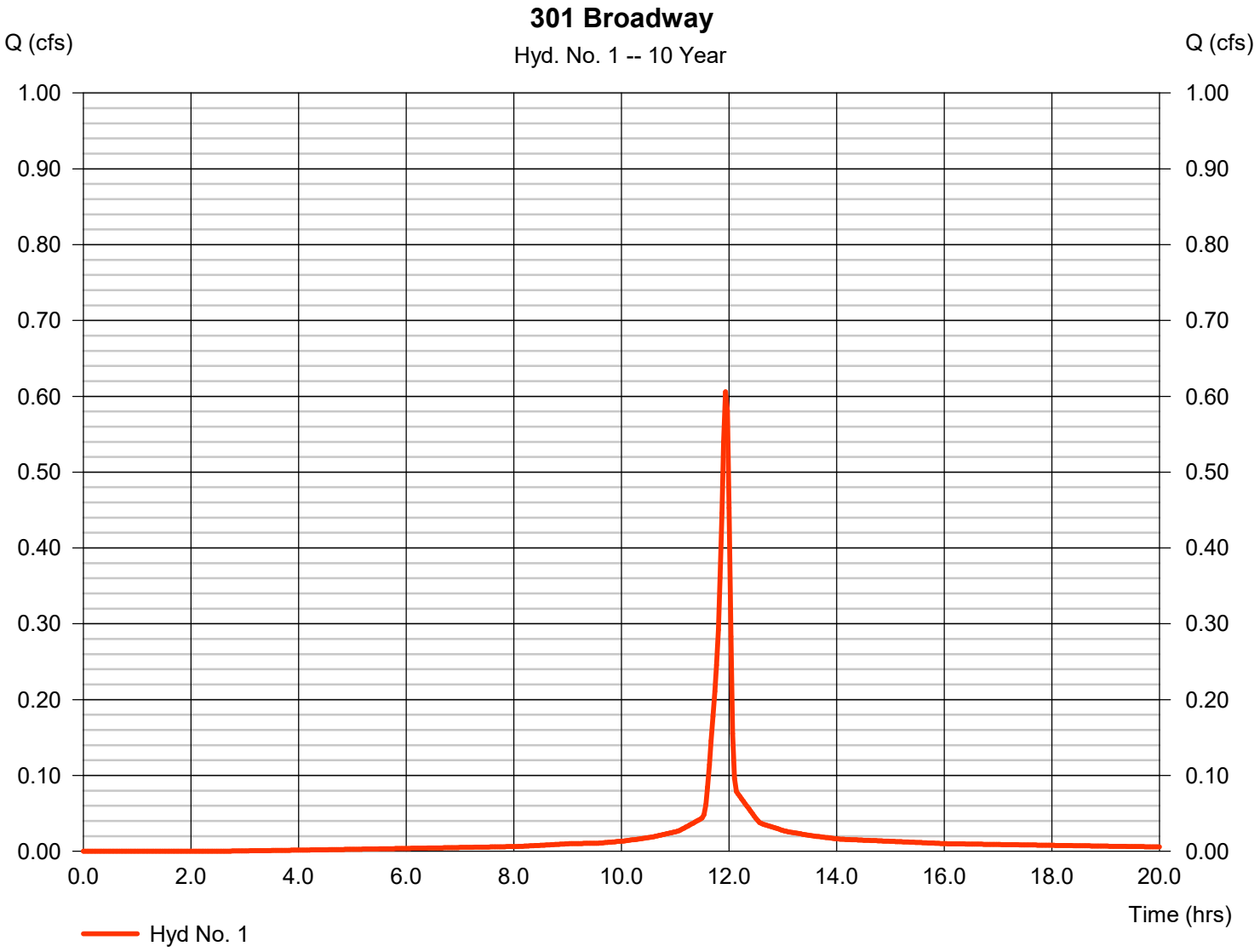
Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2021 Wednesday, 12 / 3 / 2025

Hyd. No. 1

301 Broadway

Hydrograph type	=	SCS Runoff	Peak discharge	=	0.606 cfs
Storm frequency	=	10 yrs	Time to peak	=	11.93 hrs
Time interval	=	2 min	Hyd. volume	=	1,351 cuft
Drainage area	=	0.310 ac	Curve number	=	98
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	User	Time of conc. (Tc)	=	5.00 min
Total precip.	=	1.50 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484



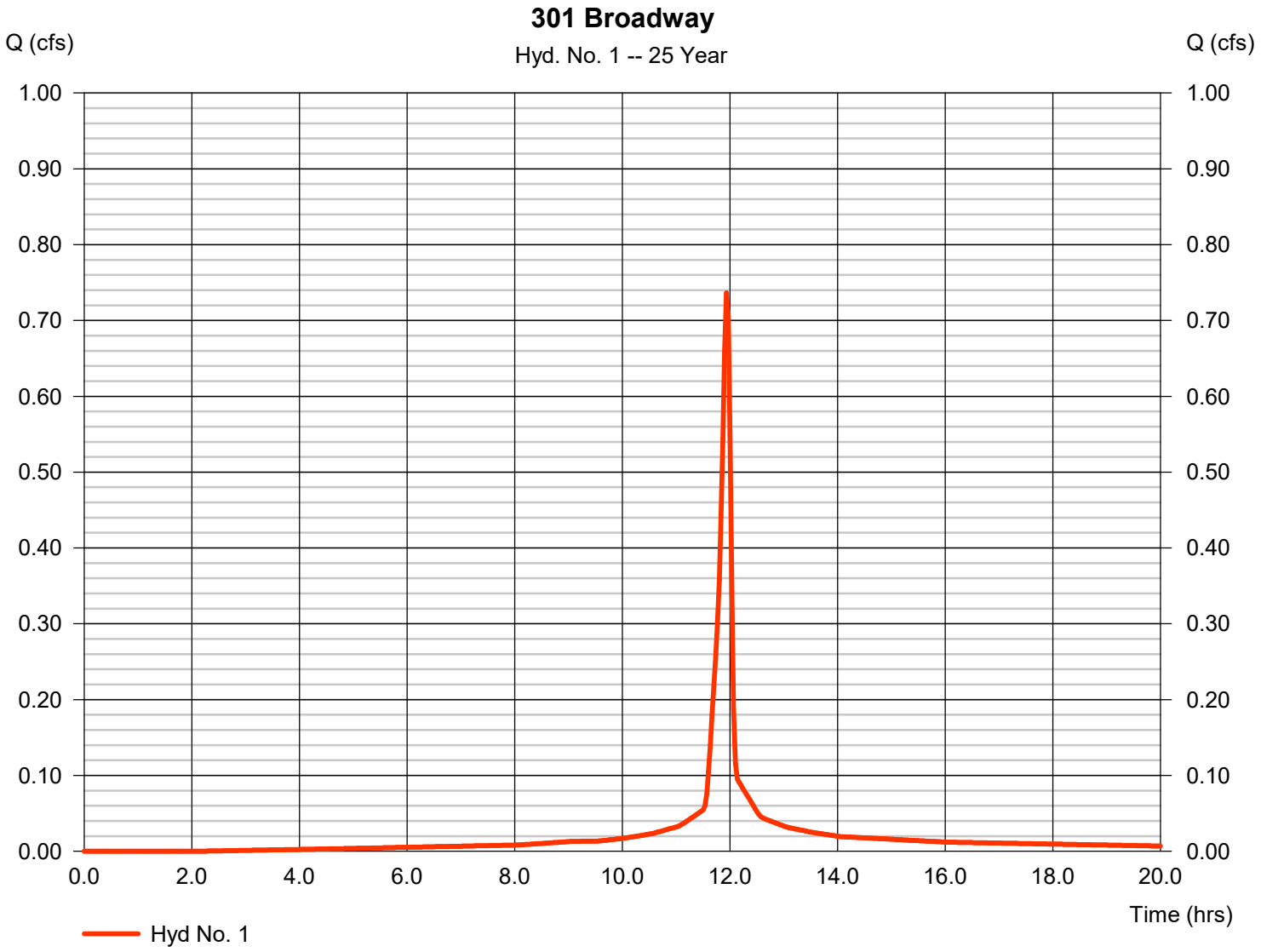
Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2021 Wednesday, 12 / 3 / 2025

Hyd. No. 1

301 Broadway

Hydrograph type	=	SCS Runoff	Peak discharge	=	0.737 cfs
Storm frequency	=	25 yrs	Time to peak	=	11.93 hrs
Time interval	=	2 min	Hyd. volume	=	1,663 cuft
Drainage area	=	0.310 ac	Curve number	=	98
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	User	Time of conc. (Tc)	=	5.00 min
Total precip.	=	1.80 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484



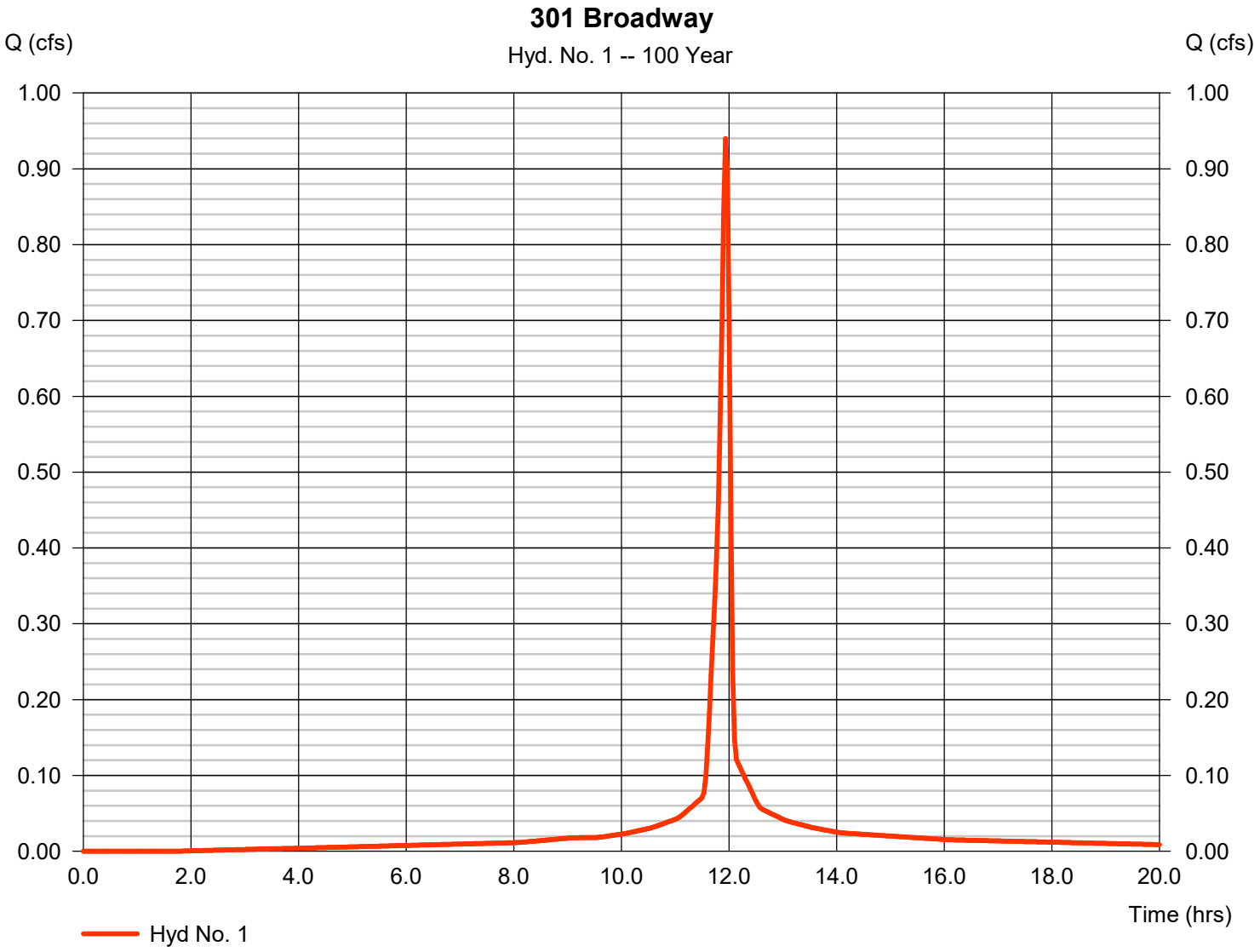
Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2021 Wednesday, 12 / 3 / 2025

Hyd. No. 1

301 Broadway

Hydrograph type	=	SCS Runoff	Peak discharge	=	0.940 cfs
Storm frequency	=	100 yrs	Time to peak	=	11.93 hrs
Time interval	=	2 min	Hyd. volume	=	2,154 cuft
Drainage area	=	0.310 ac	Curve number	=	98
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	User	Time of conc. (Tc)	=	5.00 min
Total precip.	=	2.27 in	Distribution	=	Type II
Storm duration	=	24 hrs	Shape factor	=	484



Appendix VI

Culvert Calculations

Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Sunday, Jul 6 2025

301 Broadway

Circular

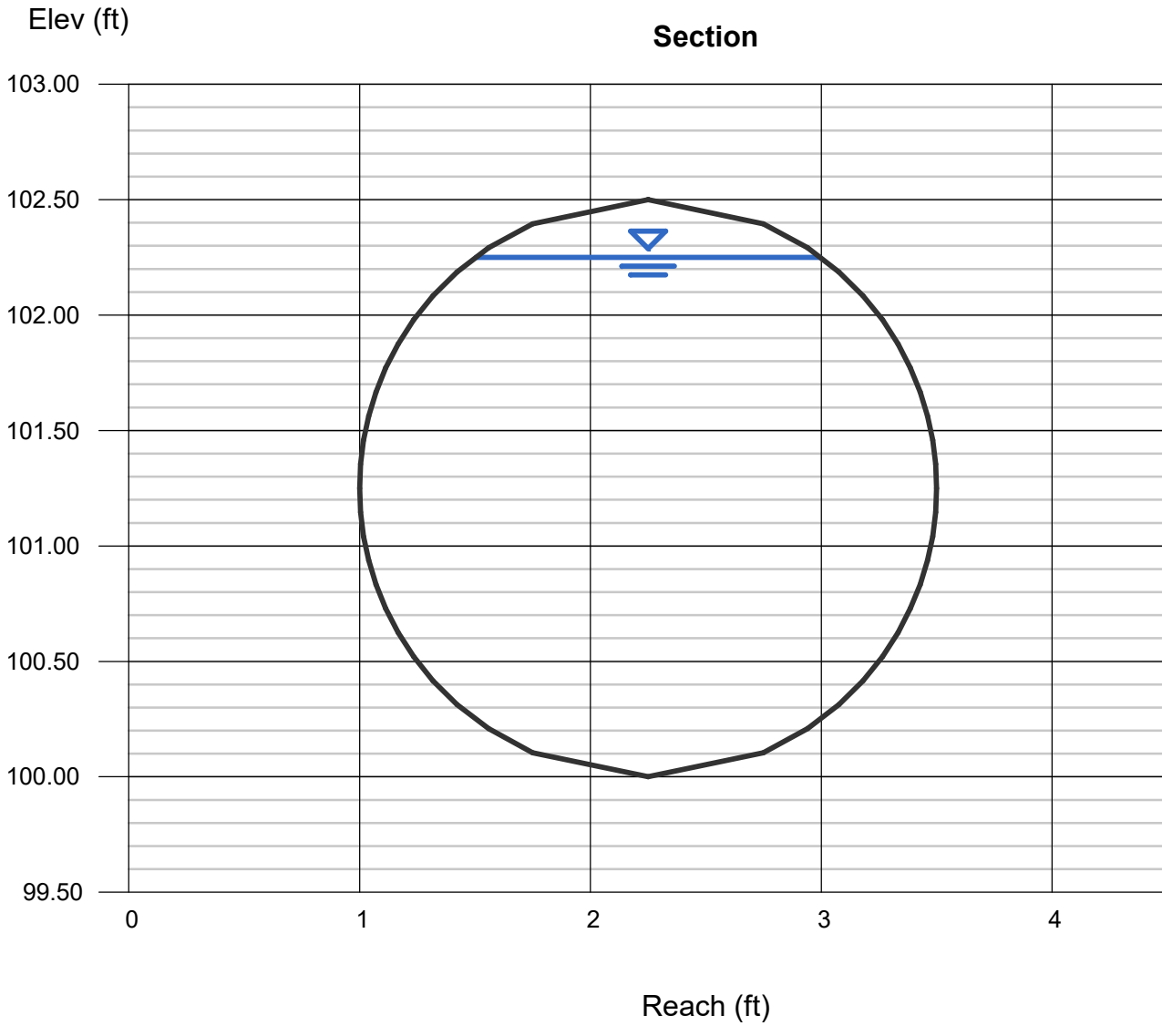
Diameter (ft)	= 2.50
Invert Elev (ft)	= 100.00
Slope (%)	= 0.50
N-Value	= 0.013

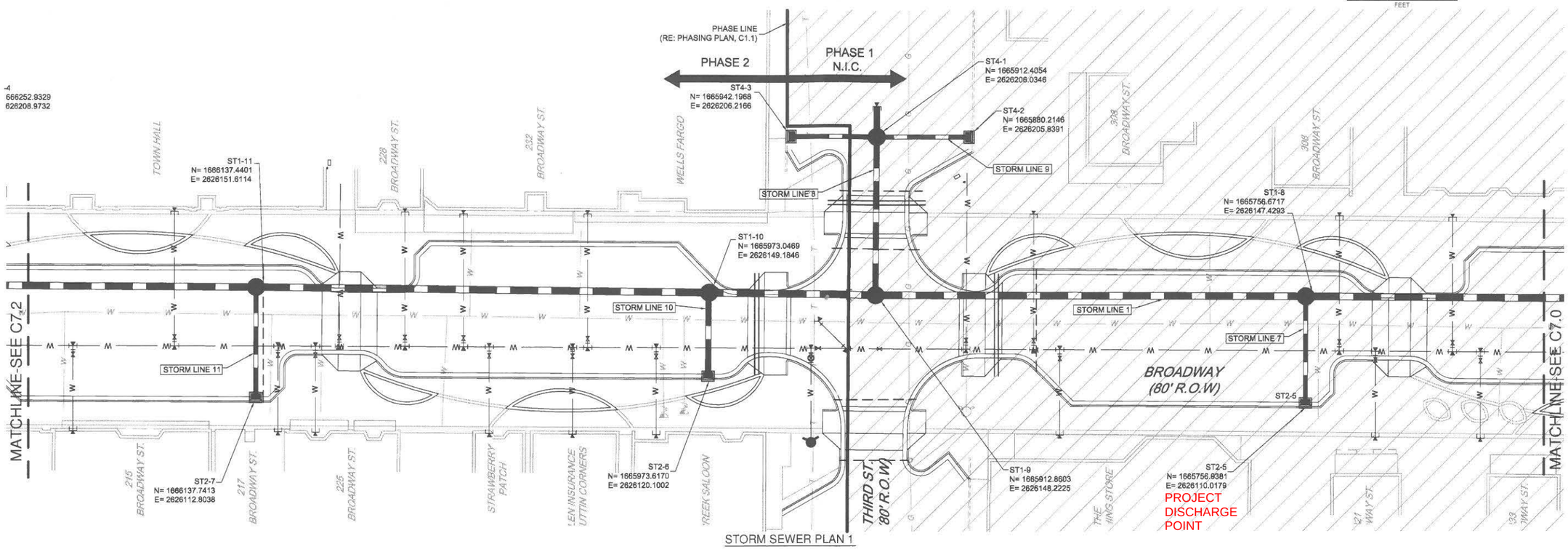
Calculations

Compute by:	Q vs Depth
No. Increments	= 10

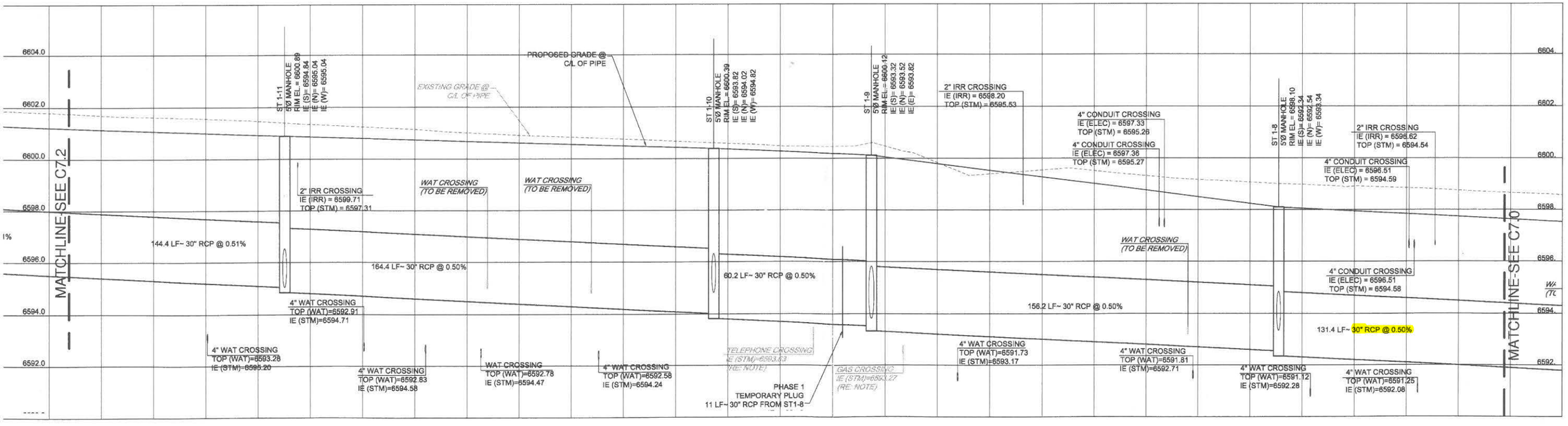
Highlighted

Depth (ft)	= 2.25
Q (cfs)	= 30.92
Area (sqft)	= 4.66
Velocity (ft/s)	= 6.64
Wetted Perim (ft)	= 6.25
Crit Depth, Yc (ft)	= 1.90
Top Width (ft)	= 1.50
EGL (ft)	= 2.94





STORM SEWER PLAN 1



STORM SEWER PROFILE 1

HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 2'

NOTE:
1. MANHOLES ARE PRECISION COVER SYSTEMS 3025-TRM TWIST RISER MANHOLE AVAILABLE FROM EAST JORDAN IRON WORKS.
2. UNDERGROUND GAS & TELEPHONE EXACT DEPTHS UNKNOWN, CONTRACTOR TO VERIFY WITH CITY ENGINEER OF EAGLE.

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BROADWAY STREETSCAPE RENOVATION - PHASE 2

The Town of Eagle
200 Broadway
Eagle, Colorado 81631

Project: TE 501
Drawn: BC, CC, TP
Checked: BC,TP
Issued:
03/12/07 For Construction

Key:

Scale: 1" = 20'-0"