COASTAL
engineering co.

December 4, 2018

Project # C14394.08

Conservation Commission
Attn: Tim Famulare, Agent
260 Commercial Street
Provincetown, MA 02657

By Hand Delivery

RECEIVED
DEC 0 4 2018
By _____

Re: **Request for Amended Order of Conditions Filing Package**
Proposed Funicular & Site Improvements
Cape Cod Pilgrim Memorial Association
1 High Pole Hill Road
Provincetown, MA
Map 12-1 Parcel 27
DEP File No: SE 58-0593
Final OOC Doc; 1,354,472

On behalf of our client, Cape Cod Pilgrim Memorial Association, we are submitting an original plus 7 copies of a Request for Amended Order of Conditions Filing Package, an original check for municipal filing, and 8 copies of the plan for the above referenced project. The following items are enclosed:

- Town of Provincetown Request to Amend Order of Conditions Form
- Request for Amended Order of Conditions
- Copy of $ 50.00 check made payable to Town of Provincetown for Bylaw Fee
- Affidavit, Abutter Notification Letter, Certified Abutter List
- HydroCAD Calculations, revised 9/27/18-(2) copies
- Coastal Engineering Co., Inc., Plan Showing Proposed Site Improvements, revised 9/17/18

Please schedule this for the December 18, 2018 public hearing. If you have any questions or require additional information, please give our office a call. Thank you.

Sincerely,

COASTAL ENGINEERING CO., INC.

Sarah Cole

Sarah Cole

Enclosures: As Stated

cc: Mass. DEP/SERO - Wetlands
Cape Cod Pilgrim Memorial Association
John A. Bologna, Project Manager
Jason R. Norton, Project Manager

PROVINCETOWN CONSERVATION COMMISSION

OFFICE OF COMMUNITY PLANNING
TOWN OF PROVINCETOWN
260 COMMERCIAL STREET
PROVINCETOWN, MASSACHUSETTS 02657
(508)487-7020

Request to Amend Order of Conditions

Date: __12/4/18____ Fee: $50.00

DEP File No. __SE 58-0593_____

Project Address: 1 High Pole Hill Road
Owner of Record: Cape Cod Pilgrim Memorial Ass'n
Owner Mailing Address: Attn: K. David Weidner, PO Box 1125, Provincetown, MA 02657
Telephone Number:
Email Address:
Name Applicant/Representative: Jason R. Norton, Coastal Engineering Co., Inc.
Street Address: 260 Cranberry Highway, Orleans, MA 02653
Telephone Number: 508-255-6511
Email Address: jnorton@coastalengineeringcompany.com
Description of proposed work and construction protocol: The bottom pavilion area has been modified. Minor modifications to hardscape & landscape areas.

Signature of Applicant: _____

Signature of Property Owner: _____

Please submit this application and $50.00 fee to the Community Development Office. Attach all relevant documentation. Checks should be made payable to the Town of Provincetown.

COASTAL
engineering co.

December 4, 2018

Project # C14394.08

Conservation Commission
Attn: Tim Famulare, Agent
260 Commercial Street
Provincetown, MA 02657

Re: **Request for Amended Order of Conditions**
Proposed Funicular & Site Improvements
Cape Cod Pilgrim Memorial Association
1 High Pole Hill Road
Provincetown, MA
Map 12-1 Parcel 27
DEP File No: SE 58-0593

Dear Conservation Commission:

On behalf of Cape Cod Pilgrim Memorial Association, we would like to request an amendment to the Order of Conditions, which was issued by the **Provincetown** Conservation Commission on August 8, 2018 for the above referenced project. The scope of the work is for proposed funicular & site improvements. The bottom pavilion area has been modified. Minor modifications to hardscape & landscape areas.

Enclosed is the Plan Showing Proposed Site Improvements prepared by Roger P. Michniewicz of Coastal Engineering Co., Inc., revised 9/17/18. The final Order of Conditions was recorded at the Barnstable Registry of Deeds or Land Court Registry on September 13, 2018, Don # 1,354,472.

Therefore, we respectfully request that you schedule the above referenced project for your December 18, 2018 public hearing.

If you have any questions, please call our office.

Very truly yours,

COASTAL ENGINEERING CO., INC.

Jason R. Norton

JRN/sgc

cc: Mass. DEP/SERO
Cape Cod Pilgrim Memorial Association
John A. Bologna, Project Manager

R:\Department - Permitting\Current Permitting Forms\OOC\AOOC\Request Letter.doc

COASTAL
engineering co.

Project #: C14394.08

AFFIDAVIT OF SERVICE

Massachusetts Wetlands Protection Act

M.G.L., CH 131, Sec. 40

I, **Sarah Cole,** of Coastal Engineering Co., Inc., hereby certify under the pains and penalties of perjury that on December 4, 2018, I sent notification to abutters, in compliance with the second paragraph of Massachusetts General Laws, Chapter 131, Section 40, and the Department of Environmental Protection's Guide to Abutter Notification, dated, April 8, 1994, in connection with the following matter:

A Request for an Amended Order of Conditions was filed under the Massachusetts Wetlands Protection Act and the **Provincetown** Wetlands Protection By-law, by **Cape Cod Pilgrim Memorial Association** with the **Provincetown** Conservation Commission on December 4, 2018, for property located at **1 High Pole Hill Road**, Map 12-1, Parcel 27 in **Provincetown**, MA. The project is for the proposed funicular & site improvements.

The form of the notification and a list of the abutters to whom the notice was given and their addresses are attached to this Affidavit of Service.

Very truly yours,

COASTAL ENGINEERING CO., INC.

Sarah Cole

Sarah Cole

Enclosures

cc: Mass. DEP/ SERO – Wetlands
Cape Cod Pilgrim Memorial Association
John A. Bologna, Project Manager
Jason R. Norton, Project Manager

PROVINCETOWN CONSERVATION COMMISSION
OFFICE OF COMMUNITY PLANNING
TOWN OF PROVINCETOWN
260 COMMERCIAL STREET
PROVINCETOWN, MASSACHUSETTS 02657
(508)487-7020

Notice to Abutters

The Provincetown Conservation Commission will hold a Public Hearing at 6:30 p.m. on Tuesday,

DATE (mm/dd/yyyy): 12/18/2018

to take place in the Judge Welsh Hearing Room, Town Hall, 260 Commercial Street, Provincetown, MA.

In accordance with the Wetlands Protection Act (M.G.L. Chapter 131, Section 40) and/or the Provincetown General Bylaw, Chapter 12, Wetlands Protection Bylaw, the following application has been filed with the Provincetown Conservation Commission:

☐ **Notice of Intent (NOI)**

☐ **Request for Determination of Applicability (RDA)**

☐ **Local Bylaw Filing**

☒ **Amended Order of Conditions** seeking an amendment to an already issued and active Order of Conditions under DEP File # SE 58-0593

☐ **Extension of an Order of Conditions** seeking an extension to an already issued and active Order of Conditions under DEP File #: _____

PROJECT ADDRESS: 1 High Pole Hill Road

APPLICANT &/OR OWNER: Cape Cod Pilgrim Memorial Ass'n

DESCRIPTION OF WORK BEING PROPOSED:

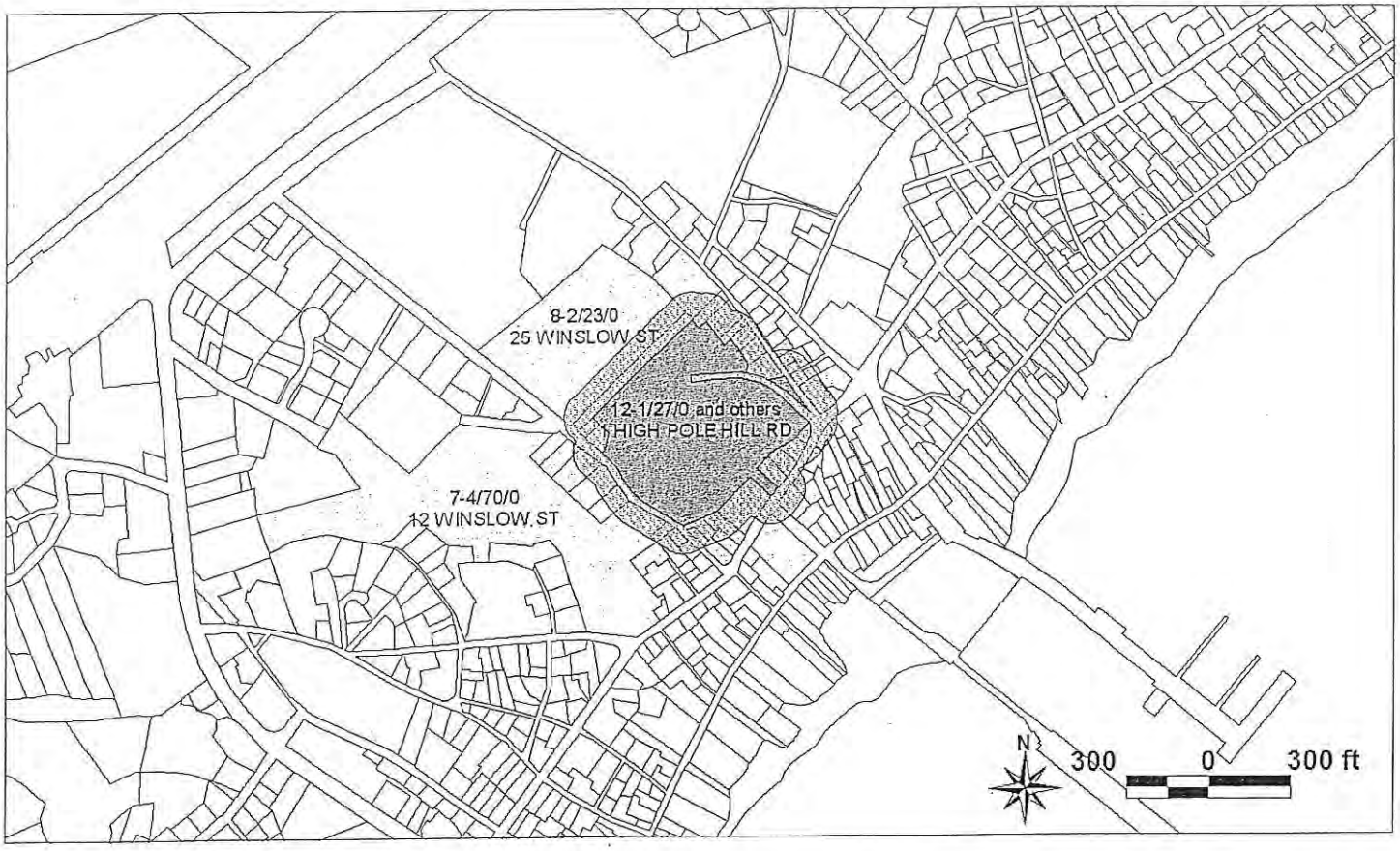
Proposed funicular & site improvements. The bottom pavilion area has been modified.

Minor modifications to hardscape & landscape areas.

You have received this notice because you have been identified as an abutter of the property noted above. This project application and all related documents and plans will be posted on the Town website www.provincetown-ma.gov under Agendas and Minutes no later than the Thursday before the Public Hearing. Documents and plans can also be viewed at the Community Planning office located in the lower level of Town Hall, Monday through Thursday, between 8:30 am and 4:30 pm, and Friday between 8:30 am and 11:30 am. If you are unable to attend the Public Hearing, opinion letters may be sent no later than 24 hours in advance of the hearing to: Timothy Famulare at Town Hall, 260 Commercial Street Provincetown, MA 02657 or by email at tfamulare@provincetown-ma.gov.

TOWN OF PROVINCETOWN, MA
BOARD OF ASSESSORS
260 Commercial Street

Abutters List Within 100 feet of Parcel 12-1/27/0 and others

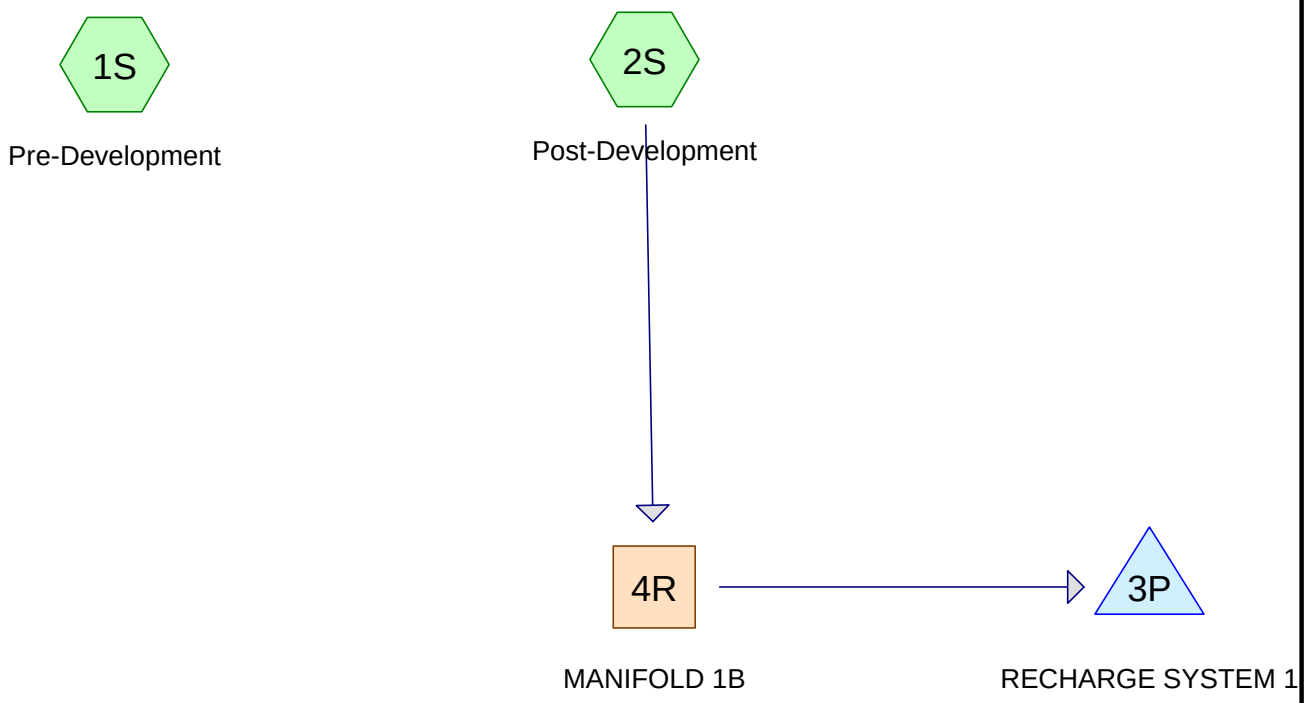


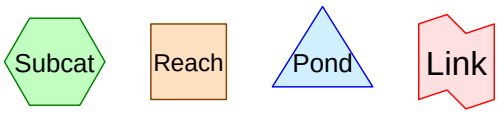
Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
1562	7-4-70-0-E	TOWN OF PROVINCETOWN SCHOOL COMMITTEE	12 WINSLOW ST	260 COMMERCIAL STREET	PROVINCETOWN	MA	02657
1563	7-4-71-0-R	EASTMAN LESTER JR ET AL DAVID P DAMON	14 WINSLOW ST	188 EXETER RD	HAMPTON FALLS	NH	03844
1564	7-4-72--001-R	CORDEIRO DARLENE	16-U1 WINSLOW ST	16 WINSLOW ST #1	PROVINCETOWN	MA	02657
1565	7-4-72--002-R	DIXON ROBERT K ET UX LINDA C DIXON	16-U2 WINSLOW ST	16-U2 WINSLOW ST	PROVINCETOWN	MA	02657
1566	7-4-72--003-R	REELE DEIBY O WILLIAM R WILSON	16-U3 WINSLOW ST	100 ALDEN ST #301	PROVINCETOWN	MA	02657
1567	7-4-72--004-R	ROUSSEAU ELLEN G	16-U4 WINSLOW ST	27 PEARL ST	PROVINCETOWN	MA	02657-1503
1568	7-4-72--005-R	GIACHINTA CHARLES ET AL RYAN A PIMENTAL	16-U5 WINSLOW ST	16-U5 WINSLOW ST	PROVINCETOWN	MA	02657
1570	7-4-74-0-R	CLAUDIA J MARTIN	18 WINSLOW ST	C/O PAULA M BARBOSA 683 MAIN ST - PO BOX 568	FALMOUTH	MA	02540
1571	7-4-75-0-R	MILLS DAVID A	20 WINSLOW ST	10 SYLVAN STREET	DANVERS	MA	01923
1649	8-2-21-0-R	FAIR KATHRYN E ET AL DEBORAH CONDON	15 WINSLOW ST	15 WINSLOW ST	PROVINCETOWN	MA	02657
1650	8-2-22-0-R	OCONNOR MICHAEL T ET AL MICHAEL C HARRIS	17 WINSLOW ST	5302 BRIDGE AVE	CLEVELAND	OH	44102
1651	8-2-23-0-E	TOWN OF PROVINCETOWN BOARD OF SELECTMEN	25 WINSLOW ST	260 COMMERCIAL ST	PROVINCETOWN	MA	02657
1970	11-3-65--00A-R	TABENKEN DAVID B	8-UA WEBSTER PL	10 EAST SPRINGFIELD ST UNIT #2	BOSTON	MA	02118
1971	11-3-65--00B-R	CIAGLO GREGORY	8-UB WEBSTER PL	8-UB WEBSTER PL	PROVINCETOWN	MA	02657
1972	11-3-66--001-R	BOWEN ALBERT L JR	7-U1 WEBSTER PL	226 BRADFORD ST	PROVINCETOWN	MA	02657

Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
1973	11-3-66--002-R	PHAKOS GINGER ET AL JOHN F CUSACK	7-U2 WEBSTER PL	288 PEARL ST	CAMBRIDGE	MA	02139-4716
1974	11-3-66--003-R	CHARTIER-PETRELIS MATTHEW JOSEPH CHARTIER-PETRELIS	7-U3 WEBSTER PL	15 DOW ST #3	SOMERVILLE	MA	02144
1988	11-3-71-0-R	ZULETA MAURICIO L	6 WINSLOW ST	29 SPRING PARK UNIT 1	JAMAICA PLAIN	MA	02130
1989	11-3-72-0-R	NIERATKA ERNEST ET AL PYE EDITH AKA EDITH NIERATKA	8 WINSLOW ST	8 WINSLOW ST	PROVINCETOWN	MA	02657
1990	11-3-73-0-R	HUSSON-COTE JAMES J JR ET AL JOHANNES HUSSON-COTE	10 WINSLOW ST	10 WINSLOW ST	PROVINCETOWN	MA	02657
1991	11-3-74-0-R	TEPPER E CLOTHIER	3 WINSLOW ST	3 WINSLOW ST	PROVINCETOWN	MA	02657
1992	11-3-75-0-R	ZHAO-WEINER YI	5 WINSLOW ST	5 WINSLOW ST	PROVINCETOWN	MA	02657
1993	11-3-76-0-R	STEELE DUANE A ET UX MARY JO AVELLAR	100 BRADFORD ST	100 BRADFORD ST	PROVINCETOWN	MA	02657
1998	11-3-81-0-E	TOWN OF PROVINCETOWN	260 COMMERCIAL ST	260 COMMERCIAL ST	PROVINCETOWN	MA	02657
2000	11-3-83-0-R	PROVINCETOWN PURCHASE TR ELIZABETH G BROOKE TTEE	102 BRADFORD ST	102 BRADFORD ST	PROVINCETOWN	MA	02657
2003	11-3-84-1-001-R	LIN YIHSIN JOHN ET AL PAUL CARACCIOLO	104-A U1 BRADFORD ST	170 W BROADWAY UNIT 402	SOUTH BOSTON	MA	02127
2004	11-3-84-1-002-R	VAIRINHOS FRANKLIN	104-A U2 BRADFORD ST	39 MARSHALL ST	WATERTOWN	MA	02472
2005	11-3-84-1-003-R	PROVINCETOWN PURCHASE TRUST II ELIZABETH BROOKE TTEE	104-A U3 BRADFORD ST	102 BRADFORD ST	PROVINCETOWN	MA	02657
2006	11-3-84-1-004-R	PROVINCETOWN PURCHASE TRUST II ELIZABTH BROOKE TTEE	104-A U4 BRADFORD ST	102 BRADFORD ST	PROVINCETOWN	MA	02657
2007	11-3-84-1-005-R	VALENTI HOPE M ET AL DIANE BLISS	104-A U5 BRADFORD ST	66 HILLSIDE AVE	BRIDGEWATER	NJ	08807
2008	11-3-84-1-006-R	MCCOLLOUGH DAWN M	104-A U6 BRADFORD ST	82 N MAIN ST #3220	NATICK	MA	01760
2009	11-3-84-1-007-R	BROME DEBORAH V	104-A U7 BRADFORD ST	175 WILLOUGHBY ST #11C	BROOKLYN	NY	11201
2010	11-3-84-2-008-R	VALENTI HOPE M	104-U8 BRADFORD ST	66 HILLSIDE AVE	BRIDGEWATER	NJ	08807
2011	11-3-84-2-009-R	PROVINCETOWN PURCHASE TR II ELIZABETH G BROOKE ET AL TTEES	104-U9 BRADFORD ST	104-U9 BRADFORD ST	PROVINCETOWN	MA	02657
2012	11-3-84-2-010-R	CHRISTY KIMBERLY A	104-U10 BRADFORD ST	1604 WETHERSFIELD RD	AUSTIN	TX	78703
2013	11-3-84-2-011-R	104 REALTY TR DAREN & BROOKE TTEE	104-U11 BRADFORD ST	104-U11 BRADFORD ST	PROVINCETOWN	MA	02657
2014	11-3-84-2-012-R	REYES GERARDO F	104-U12 BRADFORD ST	39 BEECH ST	MAYWOOD	NJ	07607
2015	11-3-84-2-013-R	SHELTONS BEND LLC	104-U13 BRADFORD ST	27 WATSONS CT	PROVINCETOWN	MA	02657
2016	11-3-84-2-014-R	VALENTI HOPE M	104-U14 BRADFORD ST	66 HILLSIDE AVE	BRIDGEWATER	NJ	08807
2017	11-3-84-2-015-R	RYAN J GLASS	104-U15 BRADFORD ST	558 COLUMBUS AVE UNIT 4F	BOSTON	MA	02118
2018	11-3-84-2-016-R	BICKO ZDENEK ET AL JOHN D AMARAL	104-U16 BRADFORD ST	357 VARICK ST #525-B	JERSEY CITY	NJ	07302
2019	11-3-85-0-E	TOWN OF PROVINCETOWN BOARD OF SELECTMEN	106 BRADFORD ST	260 COMMERCIAL ST	PROVINCETOWN	MA	02657
11003	11-3-86-1-001-R	HOTSPOT LLC RICHARD P TREVINO MGR	116-U1 BRADFORD ST	15 WORCESTER SQ #4	BOSTON	MA	02118
11004	11-3-86-1-002-R	TEIXEIRA PAUL ET AL LEE J KUGLER	116-U2 BRADFORD ST	62 ELEANOR ST	CHELSEA	MA	02150
11005	11-3-86-1-003-R	FIELD III JOEL M	116-U3 BRADFORD ST	406 W 44TH ST #21	NEW YORK	NY	10036
2021	11-3-87-0-R	118 BRADFORD ST REALTY TR KEVIN BAZARIAN ET AL TTEES	118 BRADFORD ST	P O BOX 5	PROVINCETOWN	MA	02657
2022	11-3-88-0-R	SCHIFFMAN MARK E	120 BRADFORD ST	PO BOX 212	PROVINCETOWN	MA	02657
2023	11-3-89-1-001-R	AKHTAR AYAZ ET UX AKHTAR SAIMA	127-U1 BRADFORD ST	45 CENTRAL STREET	SOUTH WEYMOUTH	MA	02190
2024	11-3-89-1-002-R	CONKLIN DALE E	127-U2 BRADFORD ST	PO BOX 1542	PROVINCETOWN	MA	02657-5542
2025	11-3-89-1-003-R	LIPTON JOHN R	127-U3 BRADFORD ST	1387 WASHINGTON ST #201	BOSTON	MA	02118-2024
2026	11-3-89-1-004-R	SVETZ WILLIAM J	127-U4 BRADFORD ST	17 EVERETT ST	DORCHESTER	MA	02122
2027	11-3-89-2-005-R	CUENCAS RICHARD A	127-U5 BRADFORD ST	127-U5 BRADFORD ST	PROVINCETOWN	MA	02657
2028	11-3-90-0-R	CULVER JOHN D	288-C COMMERCIAL ST	PO BOX 228	PROVINCETOWN	MA	02657
2029	11-3-91-0-R	CULVER JOHN D ET AL PETER B WARNOCK	123 BRADFORD ST	PO BOX 228	PROVINCETOWN	MA	02657
2030	11-3-92-0-R	ESTATE OF ANTHONY E JOSEPH	119 BRADFORD ST	119 BRADFORD ST	PROVINCETOWN	MA	02657
2031	11-3-93-0-R	DAVIS KAOLIN	284-A COMMERCIAL ST	284A COMMERCIAL ST	PROVINCETOWN	MA	02657

Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
2032	11-3-94-0-R	THE PALETTE FUND	115 BRADFORD ST	115 BRADFORD ST	PROVINCETOWN	MA	02657
2051	11-3-103-0-R	HOWARD ANN B ET AL EMILIE J MARKS	294-A COMMERCIAL ST	294A COMMERCIAL ST	PROVINCETOWN	MA	02657
2145	12-1-23-0-R	BRADBURY ALLAN	133 BRADFORD ST	100 EAST MOORE ST	HACKETTSTOWN	NJ	07840
2146	12-1-25--001-R	PERRY SCOTT ET AL ALAN CANCELINO	129-U1 BRADFORD ST	104 WEST 17TH ST #4-W	NEW YORK	NY	10017
2147	12-1-25--002-R	BRASS KEY HOSPITALITY GRP LLC	129-U2 BRADFORD ST	67 BRADFORD ST	PROVINCETOWN	MA	02657
2148	12-1-26-0-E	TOWN OF PROVINCETOWN BOARD OF SELECTMEN	122 BRADFORD ST	260 COMMERCIAL ST	PROVINCETOWN	MA	02657
2149	12-1-27-0-R	CAPE COD PILGRIM MEMORIAL ASSN	1 HIGH POLE HILL RD	PO BOX 1125	PROVINCETOWN	MA	02657
2150	12-1-27-X-E	CAPE COD PILGRIM MEMORIAL ASSN	1 HIGH POLE HILL RD	PO BOX 1125	PROVINCETOWN	MA	02657
2152	12-1-28-1-001-R	PAGE STEVEN	10-U1 ALDEN ST	10-U1 ALDEN ST	PROVINCETOWN	MA	02657
2153	12-1-28-1-002-R	YATES ERIK J	10-U2 ALDEN ST	307 WEST 126TH ST APT 2-A	NEW YORK	NY	10027
2154	12-1-29-0-R	BROWN CATHERINE M	12 ALDEN ST	5 CITY TER NORTH	NEWBURGH	NY	12550-3406
2155	12-1-30-0-R	RENCUS TAL	16 ALDEN ST	373 COMMONWEALTH AVE #301	BOSTON	MA	02115
2156	12-1-31-0-R	HOPKINS KHRISTINE C ET AL CLARENCE D BEAL III	18 ALDEN ST	18 ALDEN ST	PROVINCETOWN	MA	02657
4114	12-1-32--001-R	STEINBERG MARJORIE J ET AL PATTI S BUXSER	20-U1 ALDEN ST	20-U1 ALDEN ST	PROVINCETOWN	MA	02657
4115	12-1-32--002-R	STIEBER TRACY ET UX KATHLEEN M BROWNE	20-U2 ALDEN ST	1 TIMBERLANE DR	PENNINGTON	NJ	08534
4116	12-1-32--003-R	APPLEBY-MARTIN REALTY TR APPLEBY LAURIE H ET AL TTEES	20-U3 ALDEN ST	30 CERDAN AVE	WEST ROXBURY	MA	02132
4117	12-1-32--004-R	NUNNELEY/WELLINGTON FAMILY TR D S WELLINGTON & J T NUNNELEY	20-U4 ALDEN ST	26 JONES AVE	PAWTUCKET	RI	02861
9250	12-1-32-Z-P01-R	THE BOATWORKS BUILDING LLC	20-P1 ALDEN ST	C/O WILLIAM A BONN 501 ALHAMBRA CIR	CORAL GABLES	FL	33134
9251	12-1-32-Z-P02-R	THE BOATWORKS BUILDING LLC	20-P2 ALDEN ST	C/O WILLIAM A BONN 501 ALHAMBRA CIR	CORAL GABLES	FL	33134
9252	12-1-32-Z-P03-R	JOHN H BASILE LIVING TR JOHN H BASILE TTEE	20-P3 ALDEN ST	400 STUART ST UNIT 16H	BOSTON	MA	02116
9253	12-1-32-Z-P04-R	HEROPOULOS JOHN A ET AL RICHARD B CROOK	20-P4 ALDEN ST	107 WINTHROP AVE	QUINCY	MA	02170
9254	12-1-32-Z-P05-R	333R COMMERCIAL STREET LLC	20-P5 ALDEN ST	61 FOREST ST	NEEDHAM	MA	02492
9255	12-1-32-Z-P06-R	DEMAIO CHRISTOPHER S	20-P6 ALDEN ST	6 LUCILLE BLVD	NEW YORK	NY	10956
9256	12-1-32-Z-P07-R	BALBONI SUSAN M ET UX FRANCINE MARRANCA	20-P7 ALDEN ST	1608 SPRECKELS LN	REDONDO BEACH	CA	90278
9034	12-1-33--001-R	BANSAL DHANANJAY ET AL PAYAL MANSINGHKA	22-U1 ALDEN ST	3813 N BELL AVE	CHICAGO	IL	60618
9036	12-1-33--002-R	SMITH WAYNE A	22-U2 ALDEN ST	2500 NE 135TH ST PH2	NORTH MIAMI	FL	33181
9038	12-1-33--003-R	CONNOLLY WILLIAM ET AL RICHARD A SILVA	22-U3 ALDEN ST	335 WEST 2ND ST #14	BOSTON	MA	02127
9040	12-1-33--004-R	SILVA RICHARD A ET AL WILLIAM CONNOLLY	22-U4 ALDEN ST	335 WEST 2ND ST #14	BOSTON	MA	02127
10771	12-1-34-1-001-R	MCKINNEY ANDREW M	26-U1 ALDEN ST	37 E CONCORD ST UNIT 4	BOSTON	MA	02118
10772	12-1-34-1-002-E	PROVINCETOWN HOUSING AUTHORITY	26-U2 ALDEN ST	44 HARRY KEMP WAY	PROVINCETOWN	MA	02657
10773	12-1-34-1-003-E	PROVINCETOWN HOUSING AUTHORITY	26-U3 ALDEN ST	44 HARRY KEMP WAY	PROVINCETOWN	MA	02657
10774	12-1-34-1-004-E	PROVINCETOWN HOUSING AUTHORITY	26-U4 ALDEN ST	44 HARRY KEMP WAY	PROVINCETOWN	MA	02657
10775	12-1-34-1-005-R	J&C ROYAL PALM LLC	26-U5 ALDEN ST	8805 TAMIAMI TRAIL SUITE #361	NAPLES	FL	34108
10776	12-1-34-1-006-R	MA PATRICIA ET AL SUZANNA A MELOTTI	26-U6 ALDEN ST	1690 WASHINGTON ST #4	BOSTON	MA	02118
10777	12-1-34-1-007-R	BADASH DAVID W ET VIR CALEB EIGSTI	26-U7 ALDEN ST	26-U7 ALDEN ST	PROVINCETOWN	MA	02657
10778	12-1-34-1-008-R	IRWIN JAMES R	26-U8 ALDEN ST	420 WEST 23RD ST #9-A	NEW YORK	NY	10011-2174
10779	12-1-34-1-009-R	BROWNING BARBARA ET UX KIMBERLY D WARD	26-U9 ALDEN ST	194 WIBIRD ST	PORTSMITH	NH	03801-5039
10796	12-1-34-Z-004-R	FERRARI LLC	26-P4 ALDEN ST	342 COMMERCIAL ST #1	PROVINCETOWN	MA	02657
10805	12-1-34-Z-P01-R	MARINO JEAN	26-P1 ALDEN ST	14 CENTER ST	PROVINCETOWN	MA	02657
10802	12-1-34-Z-P02-R	ABATTO JACQUES	26-P2 ALDEN ST	140 SHAWMUT AVE UNIT 1F	BOSTON	MA	02118
10795	12-1-34-Z-P03-R	SMITH WAYNE A	26-P3 ALDEN ST	2500 NE 135TH ST PH2	NORTH MIAMI	FL	33181

Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
10797	12-1-34-Z-P05-R	DESIMONE DIANA E	26-P5 ALDEN ST	10 UPPER TERRACE	MEREDITH	NH	03253
10798	12-1-34-Z-P07-R	RODRIGUEZ-VILLALOBOS J ET AL CHRISTOPHER J LAPIN	26-P7 ALDEN ST	34 CLARENDON ST	BOSTON	MA	02116
10804	12-1-34-Z-P11-R	JORDAN TERRELL	26-P11 ALDEN ST	621 E 1ST STREET #D3	BOSTON	MA	02127
10799	12-1-34-Z-P17-R	MICHAUD ANNA Y	26-P17 ALDEN ST	29 ALDEN ST U2	PROVINCETOWN	MA	02657
10800	12-1-34-Z-P18-R	SNOW SEBASTIAN ET UX DAWN SNOW	26-P18 ALDEN ST	45 CHASKE AVE	AUBURNDALE	MA	02466
10801	12-1-34-Z-P19-R	OGATA BURTON	26-P19 ALDEN ST	241 PERRYVILLE RD	REHOBOTH	MA	02769
2173	12-1-42-0-R	RUESCH DEVON	11 ALDEN ST	11 ALDEN ST	PROVINCETOWN	MA	02657-1403
2174	12-1-43-0-R	TARANTOLA WILLIAM ET AL PATRICK J PERRI	9 ALDEN ST	16 DOUGAL LN	EAST NORTHPORT	NY	11731
2175	12-1-44-0-R	BREITHAUPT NANCY	7 ALDEN ST	87 WINCHESTER CT	READING	PA	19606
2176	12-1-45-0-R	ADAMS BERTHA L (LIFE ESTATE) DOROTHY/ERNEST/JOHN ADAMS	5 ALDEN ST	5 ALDEN ST	PROVINCETOWN	MA	02657
2177	12-1-46-0-E	TOWN OF PROVINCETOWN BOARD OF SELECTMEN	126 BRADFORD ST	260 COMMERCIAL ST	PROVINCETOWN	MA	02657
2178	12-1-47-0-R	MILAN REALTY LLC	128 BRADFORD ST	C/O MUKESH PATEL ET AL 120 HANNAH NILE WAY	BRAINTREE	MA	02184
2179	12-1-48-0-R	MILAN REALTY LLC	130 BRADFORD ST	C/O MUKESH PATEL ET AL 120 HANNAH NILE WAY	BRAINTREE	MA	02184
2181	12-1-50-0-R	SCALES CHRISTOPHER	12-A STANDISH ST	12-A STANDISH ST	PROVINCETOWN	MA	02657
2182	12-1-51-0-R	PETERSON PATRICK M ET UX JEANNE A PETERSON	14-A STANDISH ST	21 1/2 INMAN ST	CAMBRIDGE	MA	02139





Routing Diagram for C14349.08 REV 1 hydroCAD
Prepared by {enter your company name here}, Printed 9/27/2018
HydroCAD® 10.00-18 s/n 04240 © 2016 HydroCAD Software Solutions LLC

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.051	98	Paved parking, HSG A (2S)
0.394	43	Woods/grass comb., Fair, HSG A (1S, 2S)
0.445	**49**	**TOTAL AREA**

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.445	HSG A	1S, 2S
0.000	HSG B	
0.000	HSG C	
0.000	HSG D	
0.000	Other	
0.445		**TOTAL AREA**

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.051	0.000	0.000	0.000	0.000	0.051	Paved parking	2S
0.394	0.000	0.000	0.000	0.000	0.394	Woods/grass comb., Fair	1S, 2S
0.445	**0.000**	**0.000**	**0.000**	**0.000**	**0.445**	**TOTAL AREA**	

Pipe Listing (selected nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	4R	9.49	9.29	10.0	0.0200	0.012	4.0	0.0	0.0

Time span=5.00-20.00 hrs, dt=0.10 hrs, 151 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: Pre-Development Runoff Area=9,409 sf 0.00% Impervious Runoff Depth>0.01"
Flow Length=131' Tc=6.0 min CN=43 Runoff=0.00 cfs 0.000 af

Subcatchment 2S: Post-Development Runoff Area=9,990 sf 22.18% Impervious Runoff Depth>0.21"
Flow Length=131' Tc=6.0 min CN=55 Runoff=0.02 cfs 0.004 af

Reach 4R: MANIFOLD 1B Avg. Flow Depth=0.03' Max Vel=1.17 fps Inflow=0.02 cfs 0.004 af
4.0" Round Pipe x 6.00 n=0.012 L=10.0' S=0.0200 '/' Capacity=1.75 cfs Outflow=0.02 cfs 0.004 af

Pond 3P: RECHARGE SYSTEM 1 Peak Elev=5.81' Storage=2 cf Inflow=0.02 cfs 0.004 af
Outflow=0.02 cfs 0.004 af

Total Runoff Area = 0.445 ac Runoff Volume = 0.004 af Average Runoff Depth = 0.11"
88.58% Pervious = 0.394 ac 11.42% Impervious = 0.051 ac

Summary for Subcatchment 1S: Pre-Development

[49] Hint: Tc<2dt may require smaller dt

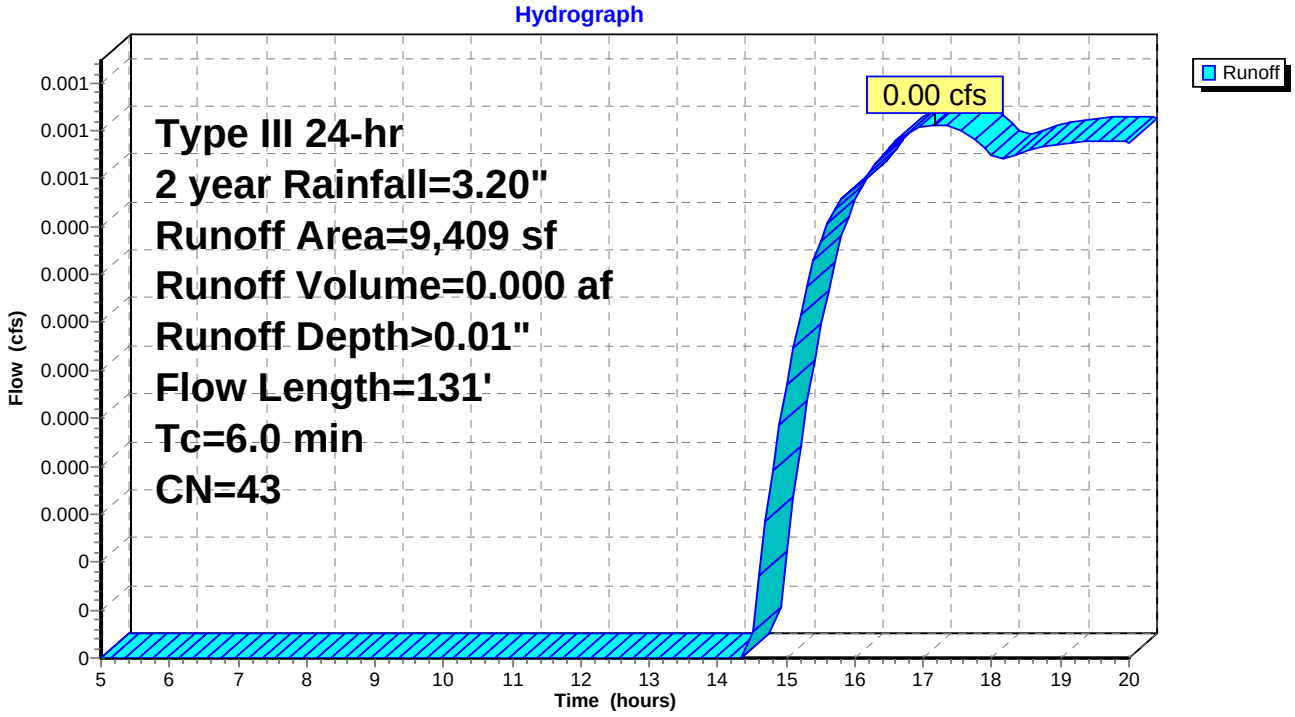
Runoff = 0.00 cfs @ 17.17 hrs, Volume= 0.000 af, Depth> 0.01"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
9,409	43	Woods/grass comb., Fair, HSG A
9,409		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0	131		0.36		**Direct Entry, Over pavement**

Subcatchment 1S: Pre-Development



Summary for Subcatchment 2S: Post-Development

[49] Hint: Tc<2dt may require smaller dt

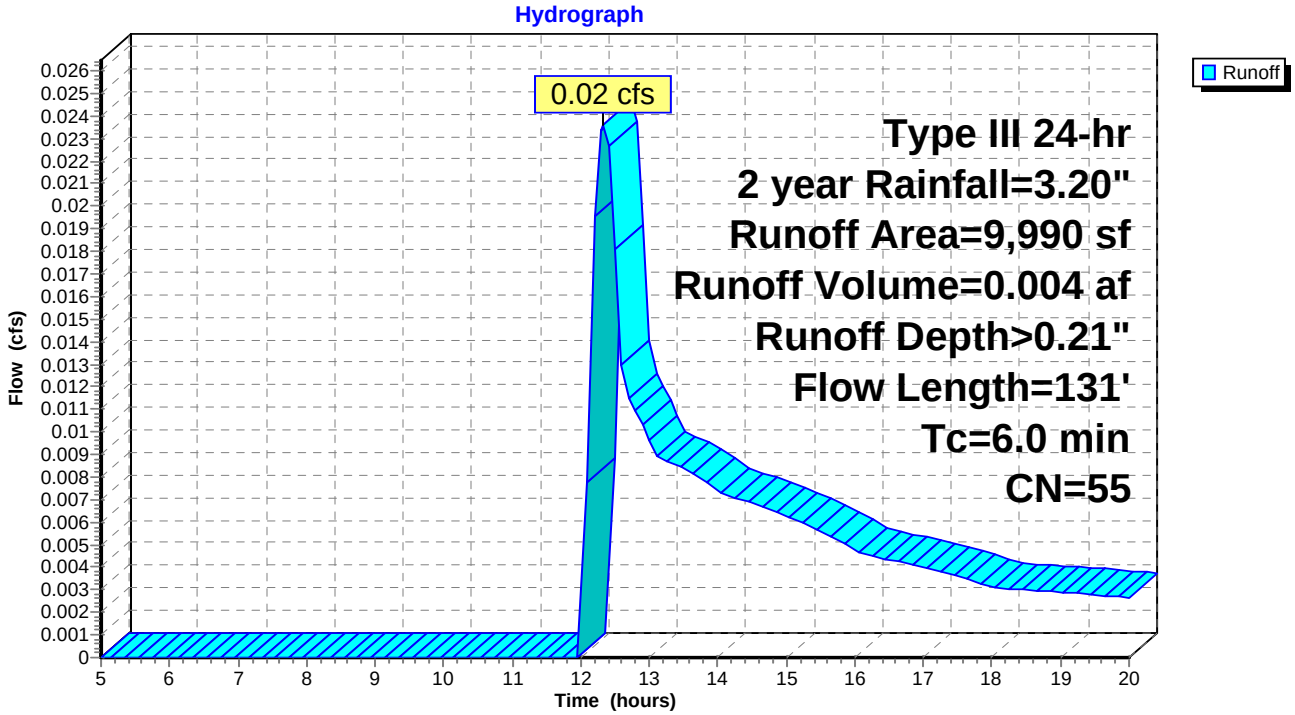
Runoff = 0.02 cfs @ 12.33 hrs, Volume= 0.004 af, Depth> 0.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
7,774	43	Woods/grass comb., Fair, HSG A
2,216	98	Paved parking, HSG A
9,990	55	Weighted Average
7,774		77.82% Pervious Area
2,216		22.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0	131		0.36		**Direct Entry, Over pavement**

Subcatchment 2S: Post-Development



Summary for Reach 4R: MANIFOLD 1B

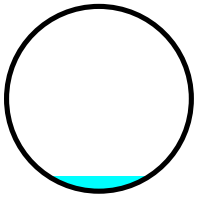
[52] Hint: Inlet/Outlet conditions not evaluated

Inflow Area = 0.229 ac, 22.18% Impervious, Inflow Depth > 0.21" for 2 year event
Inflow = 0.02 cfs @ 12.33 hrs, Volume= 0.004 af
Outflow = 0.02 cfs @ 12.34 hrs, Volume= 0.004 af, Atten= 0%, Lag= 0.4 min

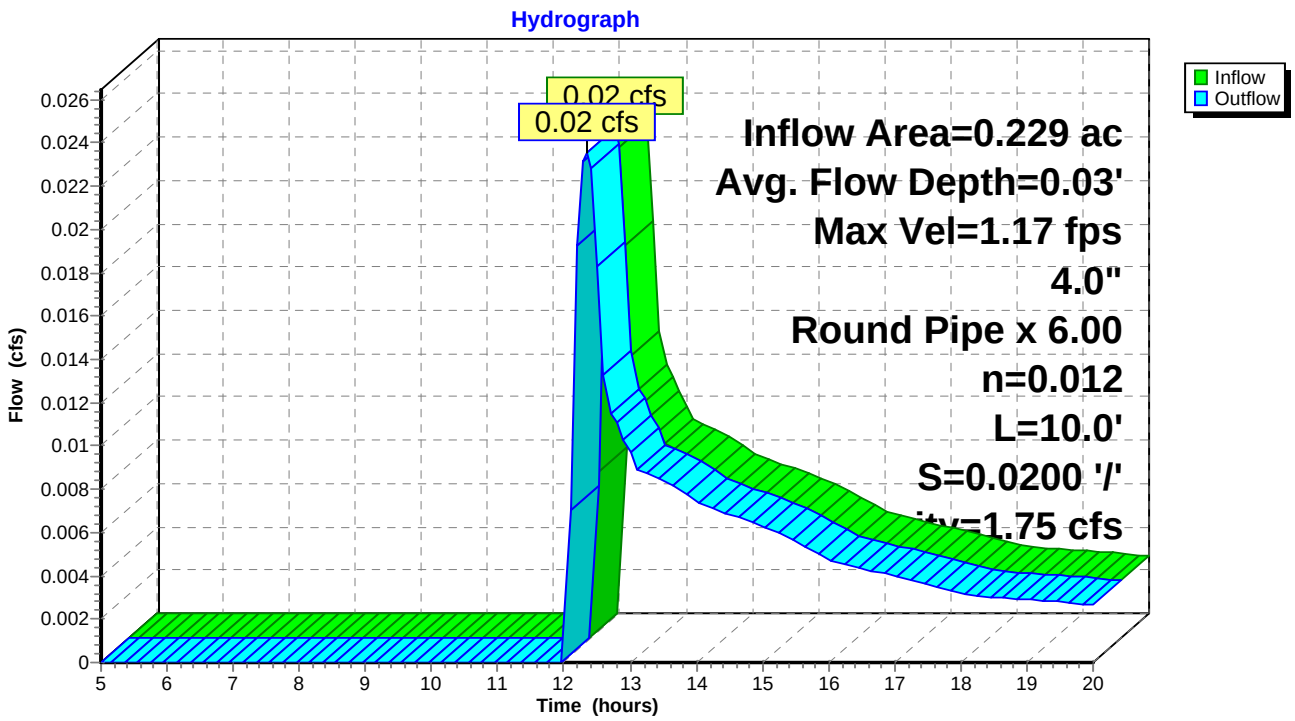
Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Max. Velocity= 1.17 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 0.75 fps, Avg. Travel Time= 0.2 min

Peak Storage= 0 cf @ 12.34 hrs
Average Depth at Peak Storage= 0.03'
Bank-Full Depth= 0.33' Flow Area= 0.5 sf, Capacity= 1.75 cfs

A factor of 6.00 has been applied to the storage and discharge capacity
4.0" Round Pipe
n= 0.012
Length= 10.0' Slope= 0.0200 '/'
Inlet Invert= 9.49', Outlet Invert= 9.29'



Reach 4R: MANIFOLD 1B



Summary for Pond 3P: RECHARGE SYSTEM 1

Volume above grates of SC1 and SC2 between elevations 9.75 (grate elevs) and 10.2 or (max. elevation around impounded area) is shown for Custom Stage Data and is used for attenuation of 100-year event.

Inflow Area = 0.229 ac, 22.18% Impervious, Inflow Depth > 0.21" for 2 year event
Inflow = 0.02 cfs @ 12.34 hrs, Volume= 0.004 af
Outflow = 0.02 cfs @ 12.34 hrs, Volume= 0.004 af, Atten= 0%, Lag= 0.2 min
Discarded = 0.02 cfs @ 12.34 hrs, Volume= 0.004 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Peak Elev= 5.81' @ 12.34 hrs Surf.Area= 392 sf Storage= 2 cf

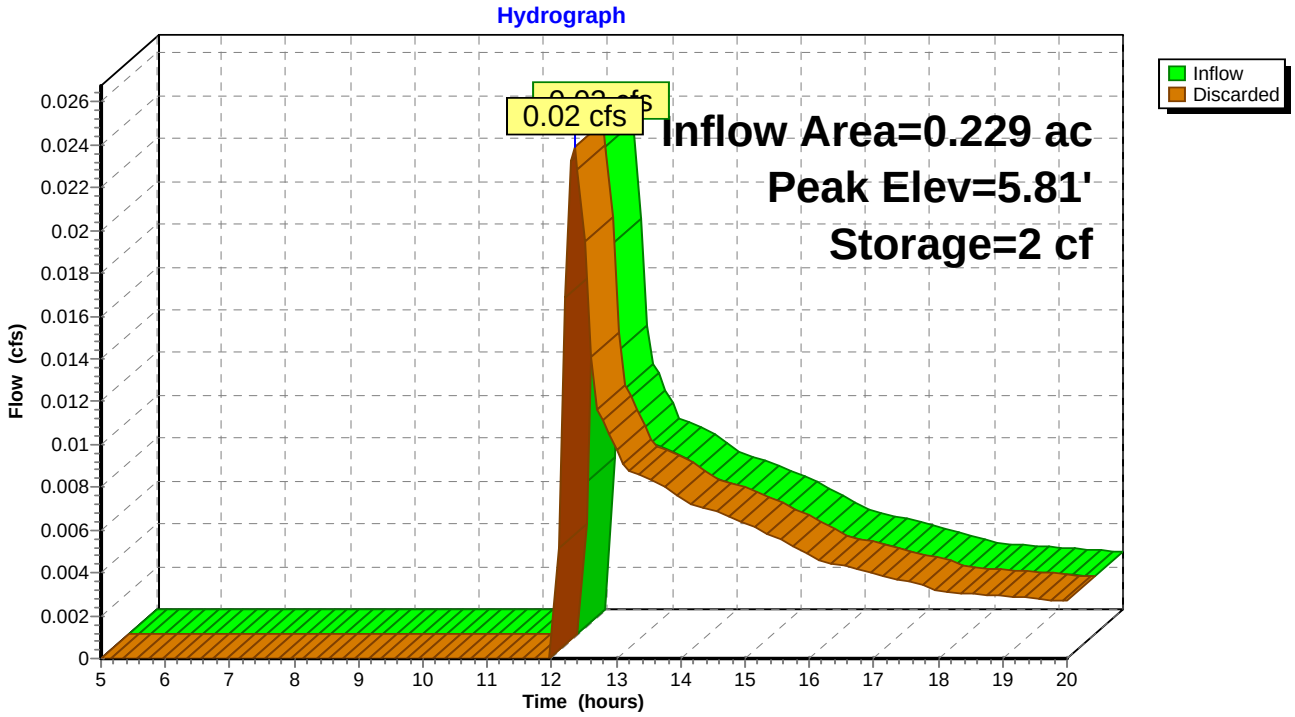
Plug-Flow detention time= 1.1 min calculated for 0.004 af (99% of inflow)
Center-of-Mass det. time= 0.8 min (888.3 - 887.6)

Volume	Invert	Avail.Storage	Storage Description
#1	5.80'	367 cf	**14.00'W x 28.00'L x 3.21'H Excavation** 1,258 cf Overall - 340 cf Embedded = 918 cf x 40.0% Voids
#2	6.30'	340 cf	**Cultec R-280** x 8 Inside #1 Effective Size= 46.9"W x 26.0"H => 6.07 sf x 7.00'L = 42.5 cf Overall Size= 47.0"W x 26.5"H x 8.00'L with 1.00' Overlap
		707 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	5.80'	**8.270 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.08 cfs @ 12.34 hrs HW=5.81' (Free Discharge)
└─**1=Exfiltration** (Exfiltration Controls 0.08 cfs)

Pond 3P: RECHARGE SYSTEM 1



Time span=5.00-20.00 hrs, dt=0.10 hrs, 151 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: Pre-Development Runoff Area=9,409 sf 0.00% Impervious Runoff Depth>0.27"
Flow Length=131' Tc=6.0 min CN=43 Runoff=0.03 cfs 0.005 af

Subcatchment 2S: Post-Development Runoff Area=9,990 sf 22.18% Impervious Runoff Depth>0.83"
Flow Length=131' Tc=6.0 min CN=55 Runoff=0.19 cfs 0.016 af

Reach 4R: MANIFOLD 1B Avg. Flow Depth=0.07' Max Vel=2.16 fps Inflow=0.19 cfs 0.016 af
4.0" Round Pipe x 6.00 n=0.012 L=10.0' S=0.0200 '/' Capacity=1.75 cfs Outflow=0.19 cfs 0.016 af

Pond 3P: RECHARGE SYSTEM 1 Peak Elev=6.36' Storage=96 cf Inflow=0.19 cfs 0.016 af
Outflow=0.08 cfs 0.016 af

Total Runoff Area = 0.445 ac Runoff Volume = 0.021 af Average Runoff Depth = 0.56"
88.58% Pervious = 0.394 ac 11.42% Impervious = 0.051 ac

Summary for Subcatchment 1S: Pre-Development

[49] Hint: Tc<2dt may require smaller dt

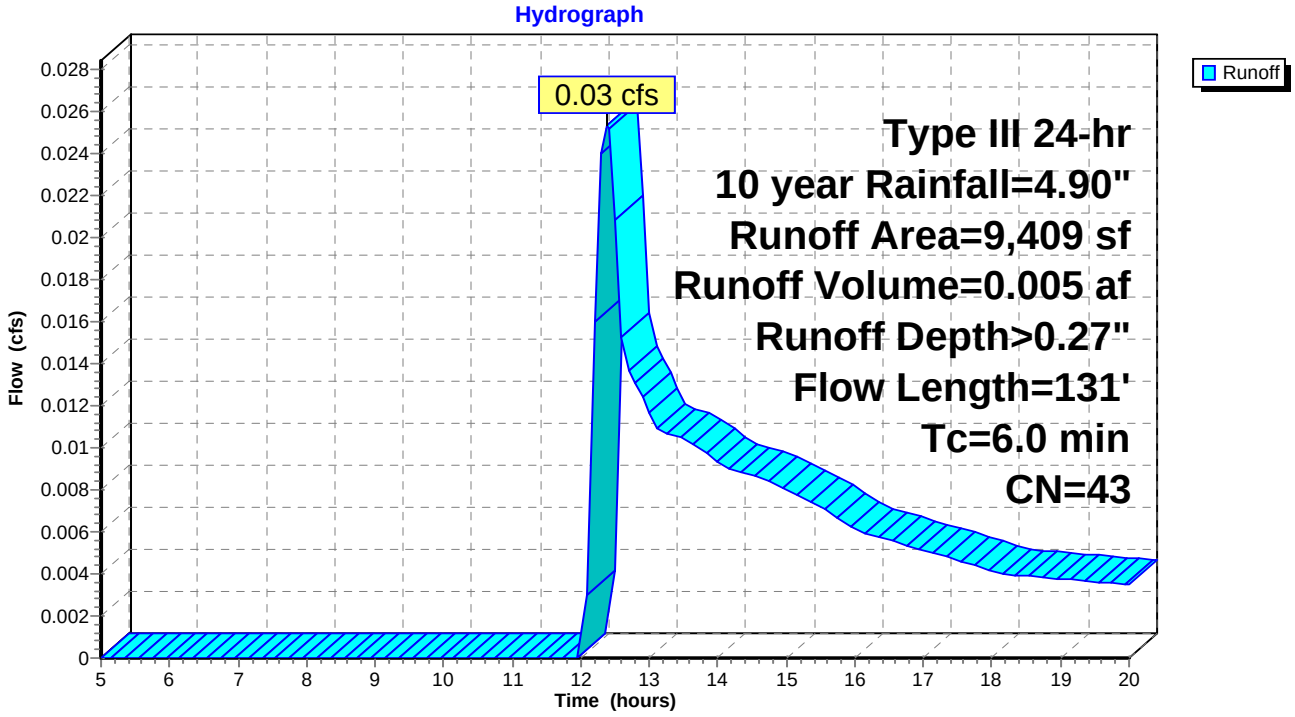
Runoff = 0.03 cfs @ 12.37 hrs, Volume= 0.005 af, Depth> 0.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Type III 24-hr 10 year Rainfall=4.90"

Area (sf)	CN	Description
9,409	43	Woods/grass comb., Fair, HSG A
9,409		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0	131		0.36		**Direct Entry, Over pavement**

Subcatchment 1S: Pre-Development



Summary for Subcatchment 2S: Post-Development

[49] Hint: Tc<2dt may require smaller dt

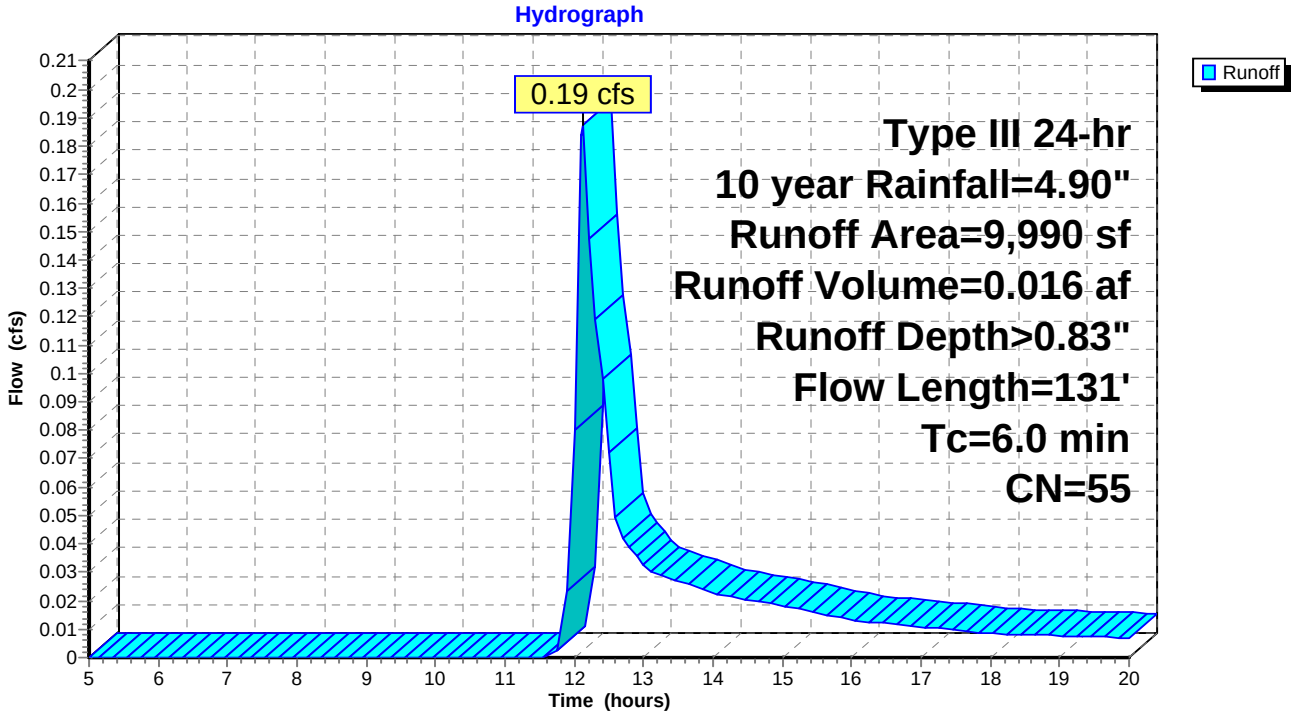
Runoff = 0.19 cfs @ 12.12 hrs, Volume= 0.016 af, Depth> 0.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Type III 24-hr 10 year Rainfall=4.90"

Area (sf)	CN	Description
7,774	43	Woods/grass comb., Fair, HSG A
2,216	98	Paved parking, HSG A
9,990	55	Weighted Average
7,774		77.82% Pervious Area
2,216		22.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0	131		0.36		**Direct Entry, Over pavement**

Subcatchment 2S: Post-Development



Summary for Reach 4R: MANIFOLD 1B

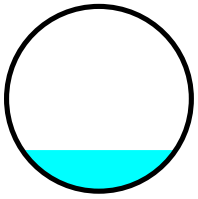
[52] Hint: Inlet/Outlet conditions not evaluated

Inflow Area = 0.229 ac, 22.18% Impervious, Inflow Depth > 0.83" for 10 year event
Inflow = 0.19 cfs @ 12.12 hrs, Volume= 0.016 af
Outflow = 0.19 cfs @ 12.13 hrs, Volume= 0.016 af, Atten= 1%, Lag= 0.1 min

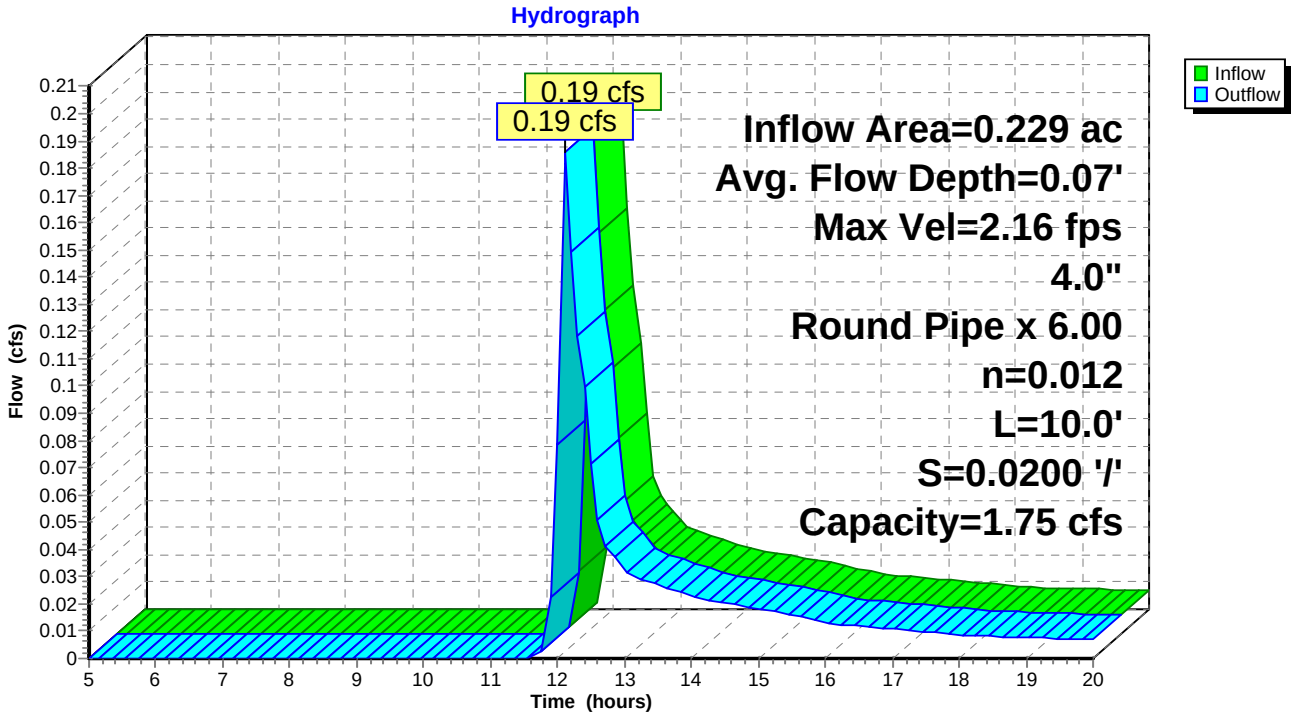
Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Max. Velocity= 2.16 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.06 fps, Avg. Travel Time= 0.2 min

Peak Storage= 1 cf @ 12.13 hrs
Average Depth at Peak Storage= 0.07'
Bank-Full Depth= 0.33' Flow Area= 0.5 sf, Capacity= 1.75 cfs

A factor of 6.00 has been applied to the storage and discharge capacity
4.0" Round Pipe
n= 0.012
Length= 10.0' Slope= 0.0200 '/'
Inlet Invert= 9.49', Outlet Invert= 9.29'



Reach 4R: MANIFOLD 1B



Summary for Pond 3P: RECHARGE SYSTEM 1

Volume above grates of SC1 and SC2 between elevations 9.75 (grate elevs) and 10.2 or (max. elevation around impounded area) is shown for Custom Stage Data and is used for attenuation of 100-year event.

Inflow Area = 0.229 ac, 22.18% Impervious, Inflow Depth > 0.83" for 10 year event
Inflow = 0.19 cfs @ 12.13 hrs, Volume= 0.016 af
Outflow = 0.08 cfs @ 12.10 hrs, Volume= 0.016 af, Atten= 60%, Lag= 0.0 min
Discarded = 0.08 cfs @ 12.10 hrs, Volume= 0.016 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Peak Elev= 6.36' @ 12.49 hrs Surf.Area= 392 sf Storage= 96 cf

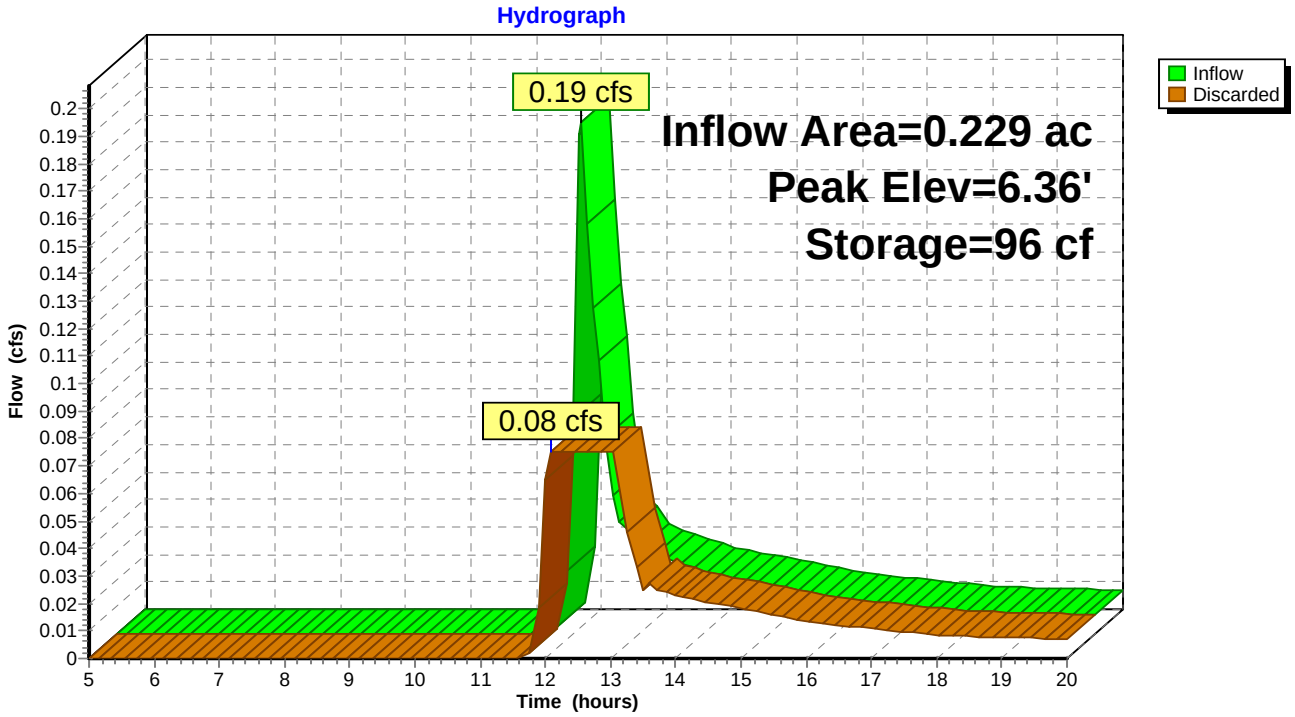
Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 6.6 min (849.2 - 842.6)

Volume	Invert	Avail.Storage	Storage Description
#1	5.80'	367 cf	**14.00'W x 28.00'L x 3.21'H Excavation** 1,258 cf Overall - 340 cf Embedded = 918 cf x 40.0% Voids
#2	6.30'	340 cf	**Cultec R-280** x 8 Inside #1 Effective Size= 46.9"W x 26.0"H => 6.07 sf x 7.00'L = 42.5 cf Overall Size= 47.0"W x 26.5"H x 8.00'L with 1.00' Overlap
		707 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	5.80'	**8.270 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.08 cfs @ 12.10 hrs HW=5.96' (Free Discharge)
└─**1=Exfiltration** (Exfiltration Controls 0.08 cfs)

Pond 3P: RECHARGE SYSTEM 1



Time span=5.00-20.00 hrs, dt=0.10 hrs, 151 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: Pre-Development Runoff Area=9,409 sf 0.00% Impervious Runoff Depth>0.55"
Flow Length=131' Tc=6.0 min CN=43 Runoff=0.07 cfs 0.010 af

Subcatchment 2S: Post-Development Runoff Area=9,990 sf 22.18% Impervious Runoff Depth>1.32"
Flow Length=131' Tc=6.0 min CN=55 Runoff=0.33 cfs 0.025 af

Reach 4R: MANIFOLD 1B Avg. Flow Depth=0.10' Max Vel=2.55 fps Inflow=0.33 cfs 0.025 af
4.0" Round Pipe x 6.00 n=0.012 L=10.0' S=0.0200 '/' Capacity=1.75 cfs Outflow=0.33 cfs 0.025 af

Pond 3P: RECHARGE SYSTEM 1 Peak Elev=6.99' Storage=271 cf Inflow=0.33 cfs 0.025 af
Outflow=0.08 cfs 0.025 af

Total Runoff Area = 0.445 ac Runoff Volume = 0.035 af Average Runoff Depth = 0.95"
88.58% Pervious = 0.394 ac 11.42% Impervious = 0.051 ac

Summary for Subcatchment 1S: Pre-Development

[49] Hint: Tc<2dt may require smaller dt

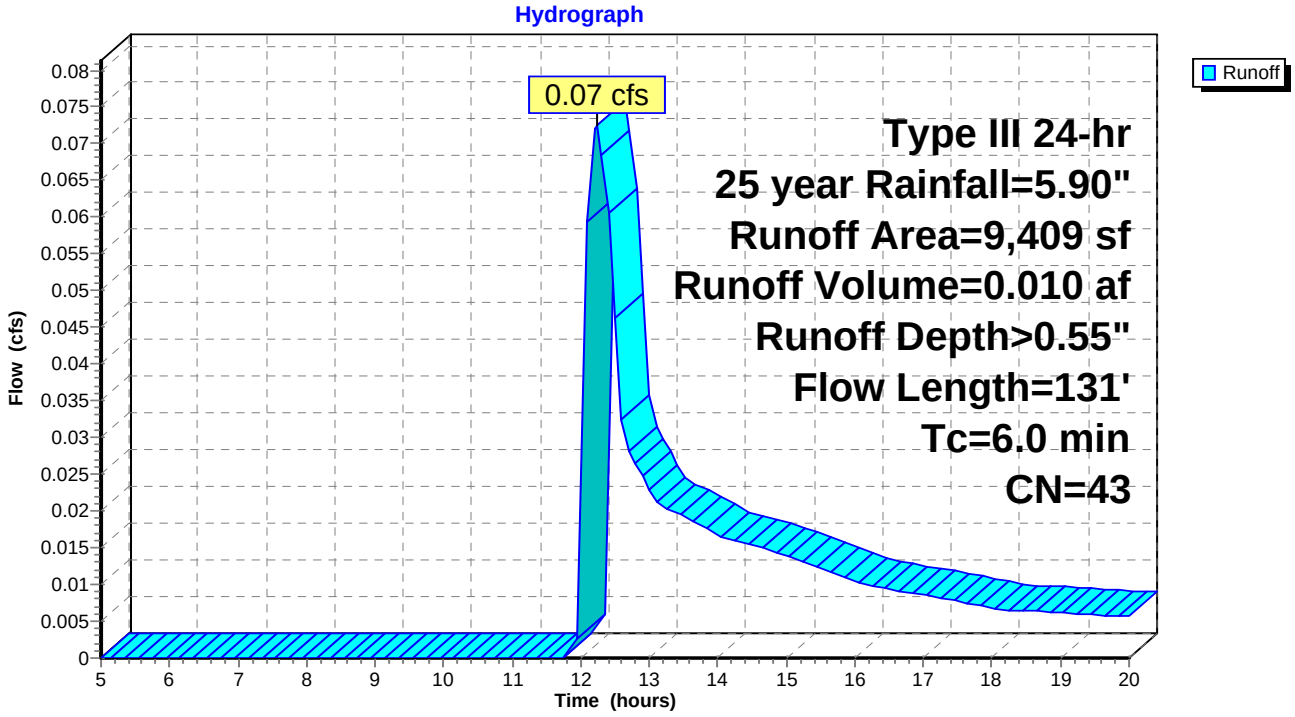
Runoff = 0.07 cfs @ 12.23 hrs, Volume= 0.010 af, Depth> 0.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Type III 24-hr 25 year Rainfall=5.90"

Area (sf)	CN	Description
9,409	43	Woods/grass comb., Fair, HSG A
9,409		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0	131		0.36		**Direct Entry, Over pavement**

Subcatchment 1S: Pre-Development



Summary for Subcatchment 2S: Post-Development

[49] Hint: Tc<2dt may require smaller dt

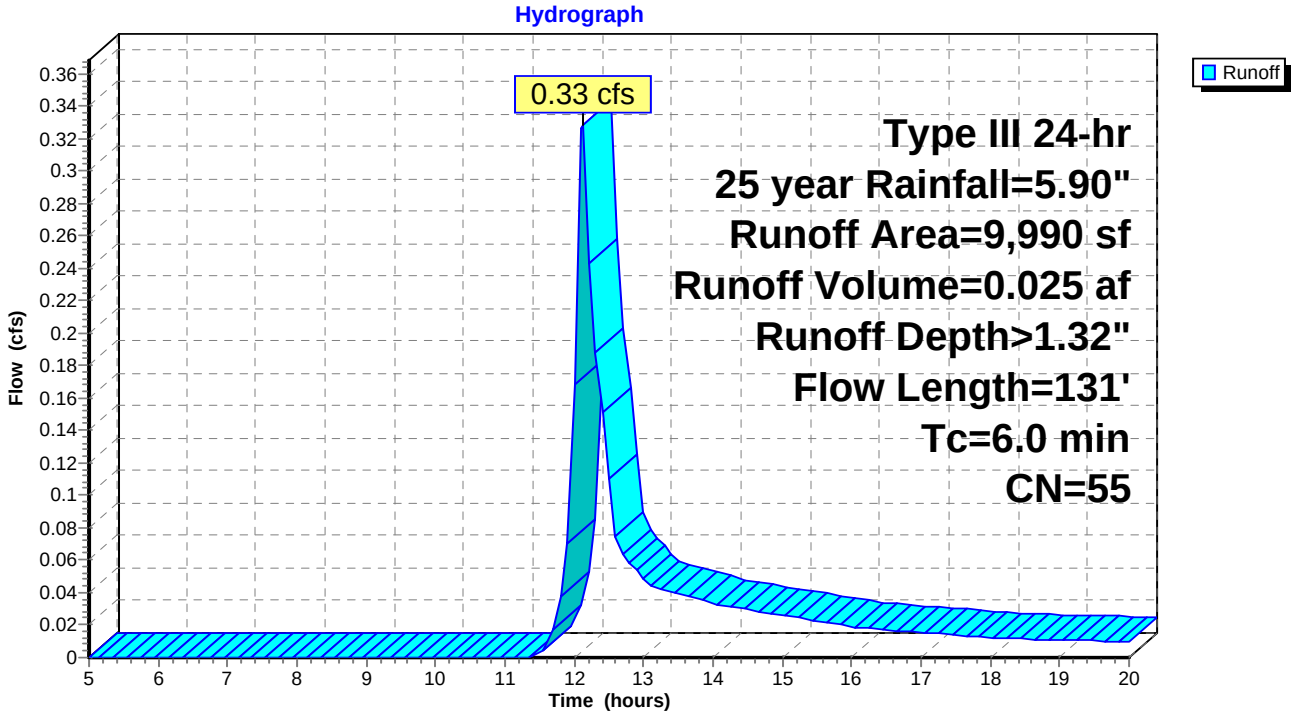
Runoff = 0.33 cfs @ 12.12 hrs, Volume= 0.025 af, Depth> 1.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Type III 24-hr 25 year Rainfall=5.90"

Area (sf)	CN	Description
7,774	43	Woods/grass comb., Fair, HSG A
2,216	98	Paved parking, HSG A
9,990	55	Weighted Average
7,774		77.82% Pervious Area
2,216		22.18% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0	131		0.36		**Direct Entry, Over pavement**

Subcatchment 2S: Post-Development



Summary for Reach 4R: MANIFOLD 1B

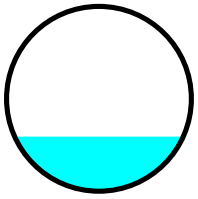
[52] Hint: Inlet/Outlet conditions not evaluated

Inflow Area = 0.229 ac, 22.18% Impervious, Inflow Depth > 1.32" for 25 year event
Inflow = 0.33 cfs @ 12.12 hrs, Volume= 0.025 af
Outflow = 0.33 cfs @ 12.12 hrs, Volume= 0.025 af, Atten= 1%, Lag= 0.1 min

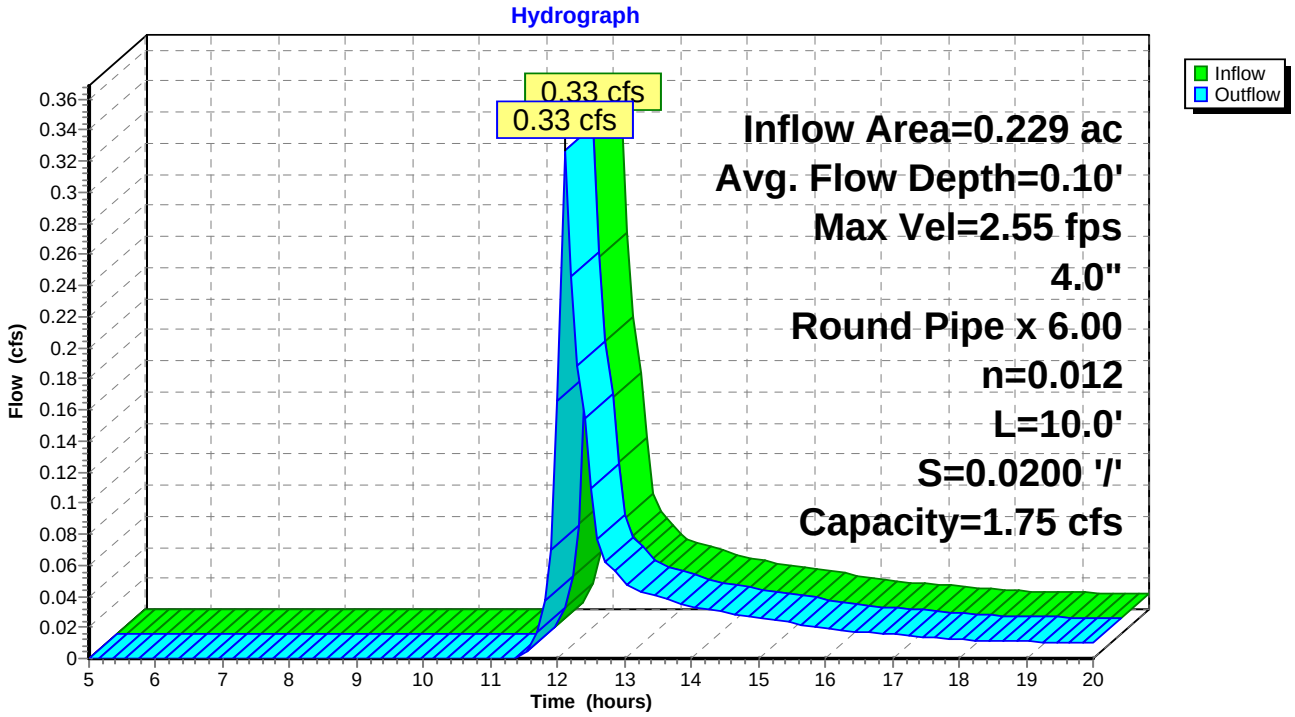
Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Max. Velocity= 2.55 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.19 fps, Avg. Travel Time= 0.1 min

Peak Storage= 1 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.10'
Bank-Full Depth= 0.33' Flow Area= 0.5 sf, Capacity= 1.75 cfs

A factor of 6.00 has been applied to the storage and discharge capacity
4.0" Round Pipe
n= 0.012
Length= 10.0' Slope= 0.0200 '/'
Inlet Invert= 9.49', Outlet Invert= 9.29'



Reach 4R: MANIFOLD 1B



Summary for Pond 3P: RECHARGE SYSTEM 1

Volume above grates of SC1 and SC2 between elevations 9.75 (grate elevs) and 10.2 or (max. elevation around impounded area) is shown for Custom Stage Data and is used for attenuation of 100-year event.

Inflow Area = 0.229 ac, 22.18% Impervious, Inflow Depth > 1.32" for 25 year event
Inflow = 0.33 cfs @ 12.12 hrs, Volume= 0.025 af
Outflow = 0.08 cfs @ 12.00 hrs, Volume= 0.025 af, Atten= 77%, Lag= 0.0 min
Discarded = 0.08 cfs @ 12.00 hrs, Volume= 0.025 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.10 hrs
Peak Elev= 6.99' @ 12.63 hrs Surf.Area= 392 sf Storage= 271 cf

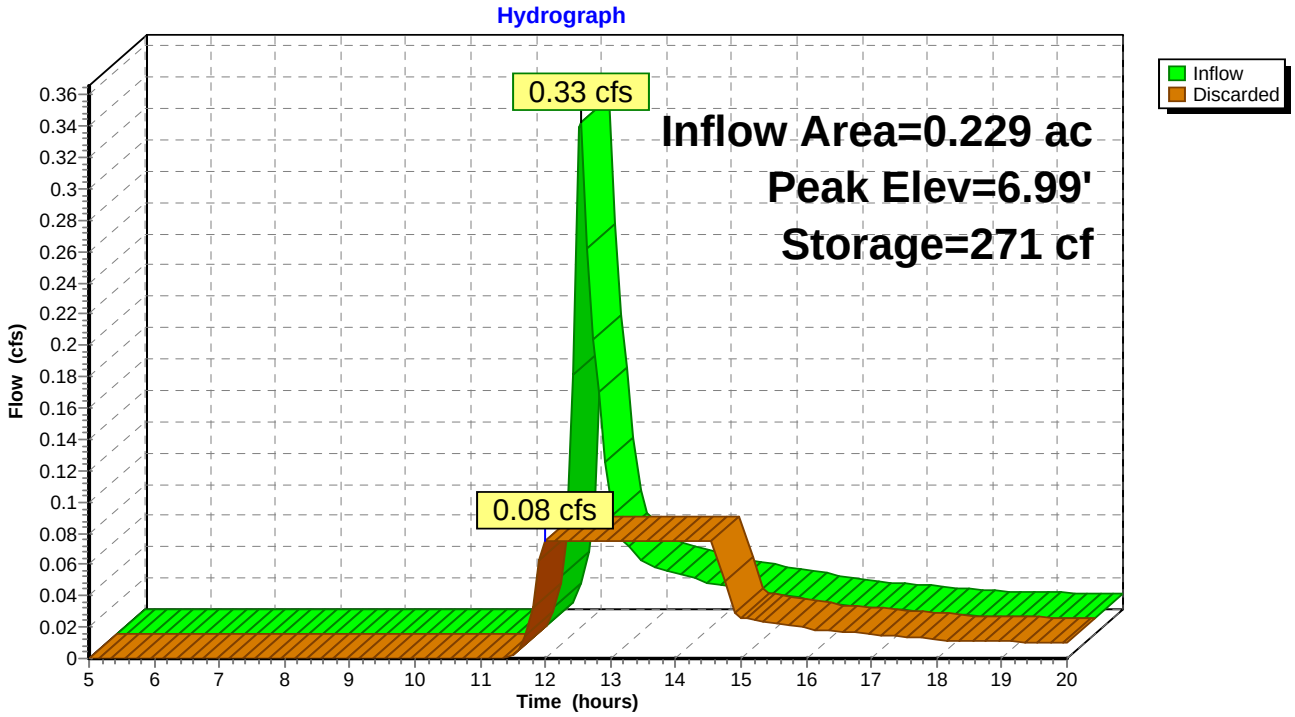
Plug-Flow detention time= 25.2 min calculated for 0.025 af (99% of inflow)
Center-of-Mass det. time= 24.9 min (855.6 - 830.8)

Volume	Invert	Avail.Storage	Storage Description
#1	5.80'	367 cf	**14.00'W x 28.00'L x 3.21'H Excavation** 1,258 cf Overall - 340 cf Embedded = 918 cf x 40.0% Voids
#2	6.30'	340 cf	**Cultec R-280** x 8 Inside #1 Effective Size= 46.9"W x 26.0"H => 6.07 sf x 7.00'L = 42.5 cf Overall Size= 47.0"W x 26.5"H x 8.00'L with 1.00' Overlap
		707 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	5.80'	**8.270 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.08 cfs @ 12.00 hrs HW=5.94' (Free Discharge)
└─**1=Exfiltration** (Exfiltration Controls 0.08 cfs)

Pond 3P: RECHARGE SYSTEM 1



GENERAL NOTES:

1. THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A FUNICULAR SYSTEM WITH ASSOCIATED SITE IMPROVEMENTS.

2. SUPPLY MATERIAL, EQUIPMENT AND LABOR TO INSTALL THE PROPOSED WORK ALONG THE ACCESS AS DESCRIBED AND SHOWN ON THE PLAN AND DETAILS.

3. PERFORMANCE OF THE WORK SHALL BE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS FOR THE REFERENCED PROJECT AND AS DESCRIBED BELOW.

4. ACCESS TO BE FROM OWNERS PROPERTY, WITH MATERIAL BROUGHT IN FROM BOTH THE UPLAND AND BRADFORD STREET.

5. CONSTRUCTION DETAILS TO BE APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

6. ALL DISTURBED AREAS TO BE REVEGETATED TO MATCH PRE-CONSTRUCTION CONDITIONS.

7. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

8. ANY CHANGES TO THE DESIGN AND SPECIFICATIONS SHALL BE APPROVED BY THE ENGINEER IN WRITING PRIOR TO IMPLEMENTATION.

9. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO EXCAVATION, AND SHALL PROTECT UTILITIES AND STRUCTURES WITHIN THE WORK AREA DURING CONSTRUCTION.

10. NO PART OF THIS DESIGN SHALL BE ALTERED WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER. ALL REQUESTS FOR CHANGES SHALL BE MADE IN WRITING PRIOR TO CONSTRUCTION.

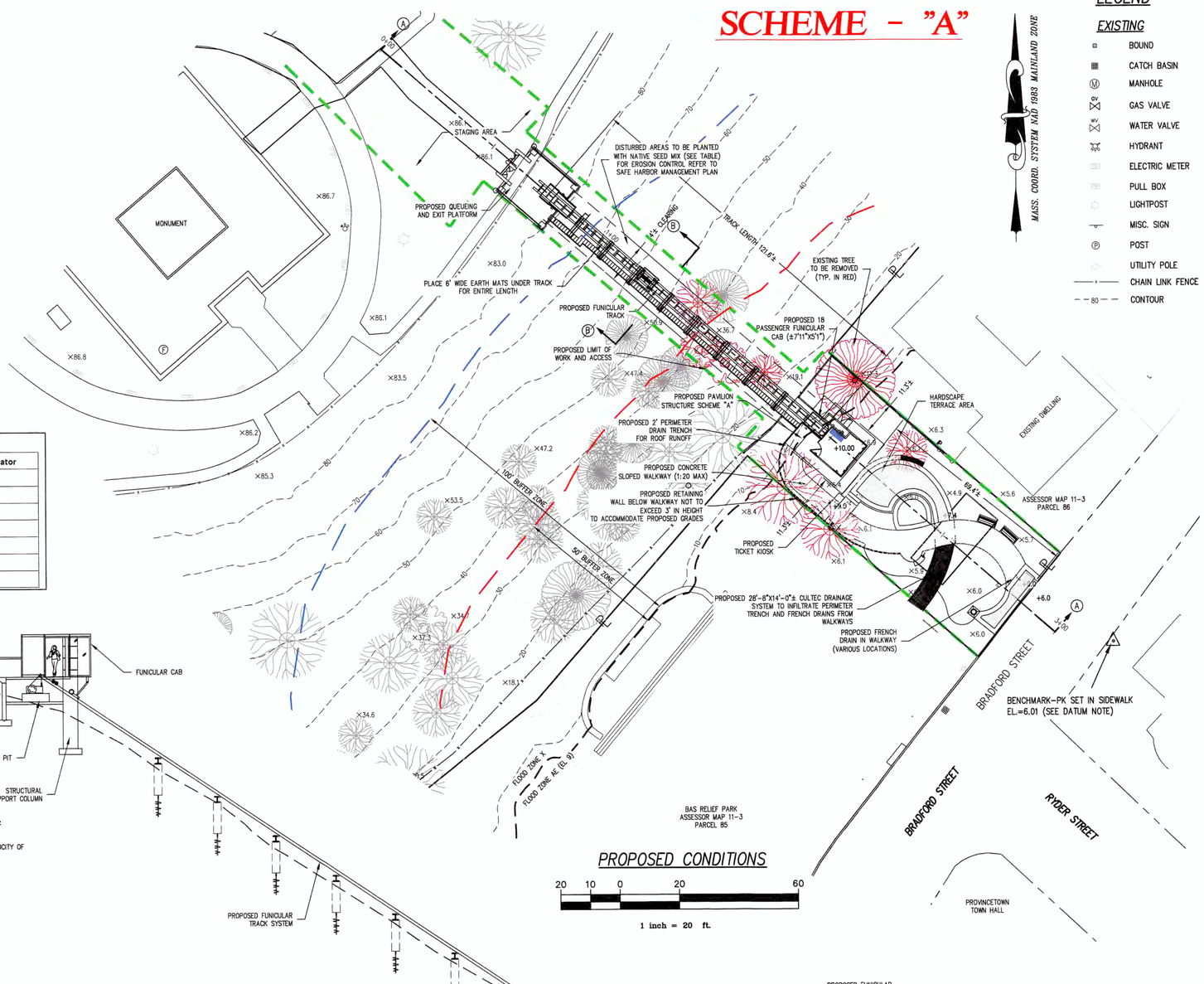
11. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF NON VISIBLE OBSTRUCTIONS.

12. EARTH MAT SHALL BE SECURED USING COMMERCIAL CLAM FARM 24" METAL STAPLES EVERY 3 FT INSTALLED VERTICALLY OVER SAFE HARBOR SLOPE STORM WATER MANAGEMENT MINIMAL BENCHING.

New England Erosion Control/Restoration Mix for Dry Sites

Botanical Name	Common Name	Indicator
Elymus canadensis	Canada Wild Rye	FACU+
Festuca rubra	Red Fescue	FACU
Lolium multiflorum	Annual Ryegrass	
Lolium perenne	Perrenial Ryegrass	
Schizachyrium scoparium	Little Bluestem	FACU
Panicum virgatum	Switch Grass	FAC
Sorghastrum nutans	Indian Grass	UPL

SCHEME - "A"



PROPOSED CONDITIONS

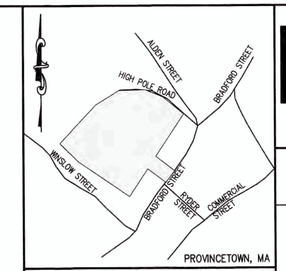
20 10 0 20 60

1 inch = 20 ft.

LEGEND

EXISTING

- BOUND
- CATCH BASIN
- MANHOLE
- GAS VALVE
- WATER VALVE
- HYDRANT
- ELECTRIC METER
- PULL BOX
- LIGHTPOST
- MISC. SIGN
- POST
- UTILITY POLE
- CHAIN LINK FENCE
- 80 CONTOUR



KEY MAP
NO SCALE

PLAN REFERENCES:

ASSESSORS MAP 12-1, PARCEL 27

PLAN BOOK 8, PAGE 129

L.C.P. 16813A

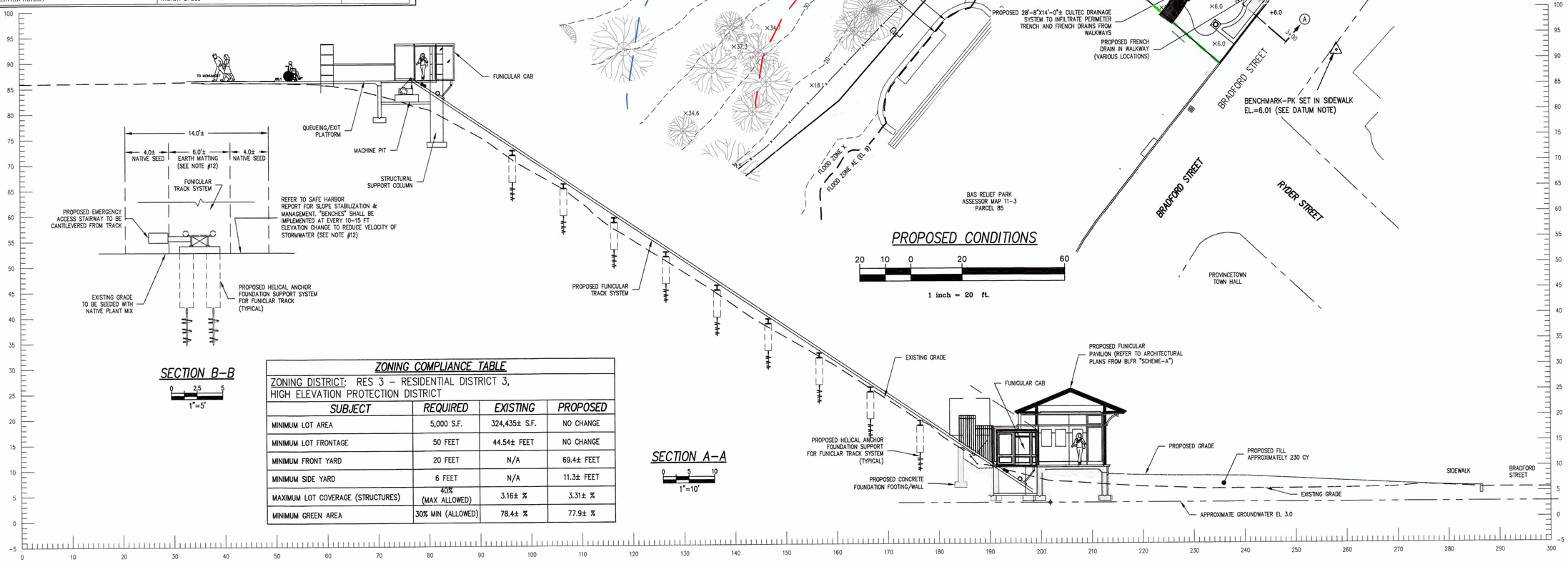
A PORTION OF THE TOPOGRAPHIC DATA SHOWN HEREON IS FROM NORTH EAST 2011 LIDAR TERRAIN DATA DOWNLOADED FROM NOAA WEBSITE JANUARY, 2015.
TOPOGRAPHIC DATA SHOWN WITHIN PAVED ACCESS DRIVE'S, EDGE OF PAVEMENT, BRICK WALKS AND MONUMENT AREA ON BRADFORD STREET, TAKEN FROM ON THE GROUND SURVEY.

FLOOD NOTE:

FLOOD ZONE AE (EL 9) AS SHOWN ON FEMA FIRM PANEL #25001C0112J & #25001C0116J DATED JULY 16, 2014

DATUM NOTE:

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)



SECTION B-B

0 2.5 5

1"=5'

SECTION A-A

0 5 10

1"=10'

ZONING COMPLIANCE TABLE

ZONING DISTRICT: RES 3 - RESIDENTIAL DISTRICT 3, HIGH ELEVATION PROTECTION DISTRICT

SUBJECT	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	5,000 S.F.	324,435± S.F.	NO CHANGE
MINIMUM LOT FRONTAGE	50 FEET	44.54± FEET	NO CHANGE
MINIMUM FRONT YARD	20 FEET	N/A	69.4± FEET
MINIMUM SIDE YARD	6 FEET	N/A	11.3± FEET
MAXIMUM LOT COVERAGE (STRUCTURES)	40% (MAX ALLOWED)	3.16± %	3.31± %
MINIMUM GREEN AREA	30% MIN (ALLOWED)	78.4± %	77.9± %

FOR ARCHITECTURAL DETAILS AND LANDSCAPE ARCHITECTURAL DETAILS PLEASE REFER TO SUBMITTED PLANS FROM BROWN LINDQUIST FENUCCIO & RABER ARCHITECTS AND HAWK DESIGN, INC FOR MORE INFORMATION

THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION DETAILS FROM THE ENGINEER PRIOR TO PREPARATION OF CONSTRUCTION BID AND BEFORE BEGINNING ANY WORK.

ISSUED FOR REGULATORY (PPB) REVIEW 9/17/18

COASTAL ENGINEERING COMPANY, INC.
260 Cranberry Hwy. Orleans, MA 02653
508.255.6511 Fax: 508.255.6700

NO.	DATE	REVISION	BY
3	2018-09-17	REVISED LAYOUT SCHEME A	JRN
2	2018-07-09	ADD SECTION B-B, REMOVE STONE RIP RAP UNDER TRACK	JRN
1	06-14-18	REVISED STRUCTURES	KES

SEAL

COMMONWEALTH OF MASSACHUSETTS ROGER PAUL MICHNIEWICZ CIVIL No. 31921 REGISTERED PROFESSIONAL ENGINEER 9/17/18

PROJECT: CAPE COD PILGRIM MEMORIAL ASSOCIATION, ONE HIGH POLE HILL ROAD, PROVINCETOWN, MA

SHEET TITLE: PLAN SHOWING PROPOSED SITE IMPROVEMENTS

SCALE: AS NOTED

DRAWING FILE: C1439404-NOI 03-2018 - REV 1.dwg

DATE: ~~04-30-18~~

DRAWN BY: KES/JRN

CHECKED BY: JRN

C1.2.1

1 OF 2 SHEETS

PROJECT NO. C14394.08

Coastal Engineering Co., Inc. © 2018

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