



**US Army Corps  
of Engineers**®  
New England District  
696 Virginia Road  
Concord, MA 01742-2751

# PUBLIC NOTICE

**Comment Period Begins:** March 27, 2018  
**Comment Period Ends:** April 26, 2018  
**File Number:** NAE-2018-00176  
**In Reply Refer To:** Rodney A. Howe  
**Phone:** (978) 318-8496  
**E-mail:** Rodney.A.Howe@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from IDEXX Real Estate Holdings, LLC 1 IDEXX Drive Westbrook, Maine 04092]. This work is proposed in unnamed wetlands at 1 IDEXX Drive Westbrook, Maine. The project site is located on the USGS GORHAM, ME quadrangle sheet at: Latitude 43.65940°N Longitude -70.37745°W.

The work involves placing permanent fill in 2.9 acres of wetland to construct an addition to the existing Synergy Center located on the IDEXX property, as well as associated parking improvements to be located on the adjacent CMP transmission corridor property. Proposed work will consist of the construction of a building addition, several new parking lots, trails, stormwater management features, and associated site improvements. The proposed work will take place on two parcels. Work associated with the building addition is proposed on a parcel owned by IDEXX, identified by the City of Westbrook Assessor as Map 5B, Lot 5, that is approximately 53.3 acres in size; Work associated with the new parking lots is proposed on an abutting property owned by Central Maine Power (CMP) Company, identified on the City of Westbrook Interactive GIS Map as Map 2, Lot 30, that is approximately 17.2 acres in size. The existing Site contains buildings, parking lots, freshwater wetlands, and a stream tributary to Clark Brook, as shown on the attached plans. The purpose of the proposed building addition is to provide the necessary office space for approximately 600 new employees; the proposed parking lots will serve to provide the necessary parking for new employees and also includes additional parking spaces to account for the parking spaces that will be displaced by the building addition.

The work is shown on the attached plans entitled "IDEXX Laboratories, Inc., Synergy East Expansion Plan Set," on 21 sheets, and dated "December 2017."

Wetland impacts will be limited to those required to construct the parking and access trails necessary to support the existing and expanding facility and to construct the stormwater management infrastructure required by the Maine DEP to treat and manage the stormwater runoff generated by the proposed development. To compensate for the projects unavoidable impacts to 2.9-acres of freshwater wetlands, the applicant proposes to make an In-Lieu Fee payment of \$551,324.50 to the Maine Natural Resource Mitigation Fund.

## AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899  
 Section 404 of the Clean Water Act  
 Section 103 of the Marine Protection, Research and Sanctuaries Act.

**CENAE-R**  
**FILE NO. NAE-2018-00176**

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers, New England District (Corps), is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The Corps will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

**NATIONAL HISTORIC PRESERVATION ACT**

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s).

## ENDANGERED SPECIES CONSULTATION

The Corps has reviewed the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the NMFS and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

## OTHER GOVERNMENT AUTHORIZATIONS

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, license or assent from State.
- (X) Permit from local wetland agency or conservation commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.


## COMMENTS

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Rodney Howe at (978) 318-8496 or (207) 623-8367 ext. 5, if calling from within Maine.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

**THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.**

  
**Frank J. Del Giudice**  
**Chief, Permits and Enforcement Branch**  
**Regulatory Division**

**CENAE-R**  
**FILE NO. NAE-2018-00176**

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at [bettina.m.chaisson@usace.army.mil](mailto:bettina.m.chaisson@usace.army.mil). You may also check here ( ) and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

# IDEXX LABORATORIES, INC.

ONE IDEXX DRIVE  
369 COUNTY ROAD  
WESTBROOK, ME 04092

TAX MAP 5B - LOT5  
TAX MAP 2 - LOT 30

JANUARY 2018

## NOT FOR CONSTRUCTION



PROJECT LOCATION MAP



1/1/2018  
CIVIL ENGINEER

### SHEET INDEX

#### GENERAL

- 0 C-000 COVER SHEET
- 1 C-001 GENERAL NOTES, LEGEND, ABBREVIATIONS, AND SHEET INDEX

#### CIVIL - Parking Lots

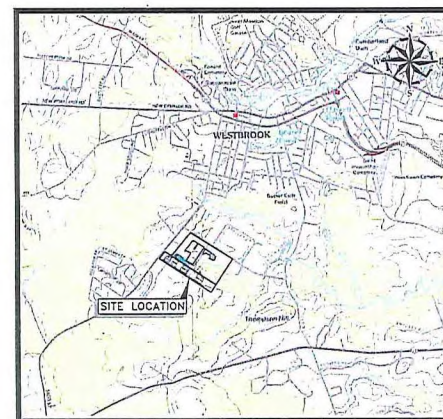
- 2 C-100 EXISTING CONDITIONS PLAN
- 3 C-200 PROPOSED OVERALL SITE PLAN AND SHEET INDEX
- 4 C-201 WETLAND IMPACT PLAN
- 5 C-202 LOT 4 - GRADING AND DRAINAGE PLAN
- 6 C-203 LOT 3 - GRADING AND DRAINAGE PLAN
- 7 C-204 LOT 2 - GRADING AND DRAINAGE PLAN
- 8 C-205 LOT 1 - GRADING AND DRAINAGE PLAN
- 9 C-206 SOUTH ENTRANCE SIDEWALK GRADING AND DRAINAGE PLAN
- 10 C-207 SOUTHWEST SIDEWALK GRADING AND DRAINAGE PLAN

#### CIVIL - Building Expansion

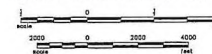
- 11 C-300 BUILDING EXPANSION - EXISTING CONDITIONS & DEMOLITION PLAN
- 12 C-301 BUILDING EXPANSION - SITE PLAN
- 13 C-302 BUILDING EXPANSION - GRADING, DRAINAGE & UTILITIES PLAN

#### CIVIL - Details

- 14 C-400 CIVIL DETAILS - 1
- 15 C-401 CIVIL DETAILS - 2
- 16 C-402 CIVIL DETAILS - 3
- 17 C-403 CIVIL DETAILS - 4
- 18 C-404 CIVIL DETAILS - 5
- 19 C-405 CIVIL DETAILS - 6
- 20 C-406 CIVIL DETAILS - 7



SOURCE: USGS TOPOGRAPHIC MAP  
SITE LOCATION MAP



41 Hutchins Drive | Portland, Maine 04102  
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS



**HOBAS & CURRAN**  
CONCRETE & INTEGRITY DRIVE RESULTS  
41 Hobbins Drive  
Providence, Rhode Island 04112  
800-476-6328 • www.hobascurran.com

NO.	DESCRIPTION	DATE

GENERAL NOTES, LEGEND,  
ABBREVIATIONS, AND SHEET INDEX

IDEXX - SYNERGY EAST EXPANSION
IDEXX ONE IDEXX DRIVE WESTERHOLM, ME 04092

NOT FOR CONSTRUCTION  
G-001

- ### GENERAL NOTES
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTING AGENCIES AND AGENCIES.
    - a. BEFORE COMMENCING WORK, OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL HEALTH DEPARTMENT AND THE LOCAL BOARD OF HEALTH.
    - b. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - c. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - d. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - e. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - f. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - g. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - h. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - i. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - j. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - k. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - l. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - m. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - n. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - o. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - p. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - q. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - r. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - s. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - t. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - u. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - v. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - w. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - x. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - y. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.
    - z. OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL BOARD OF HEALTH.

### SYMBOLS

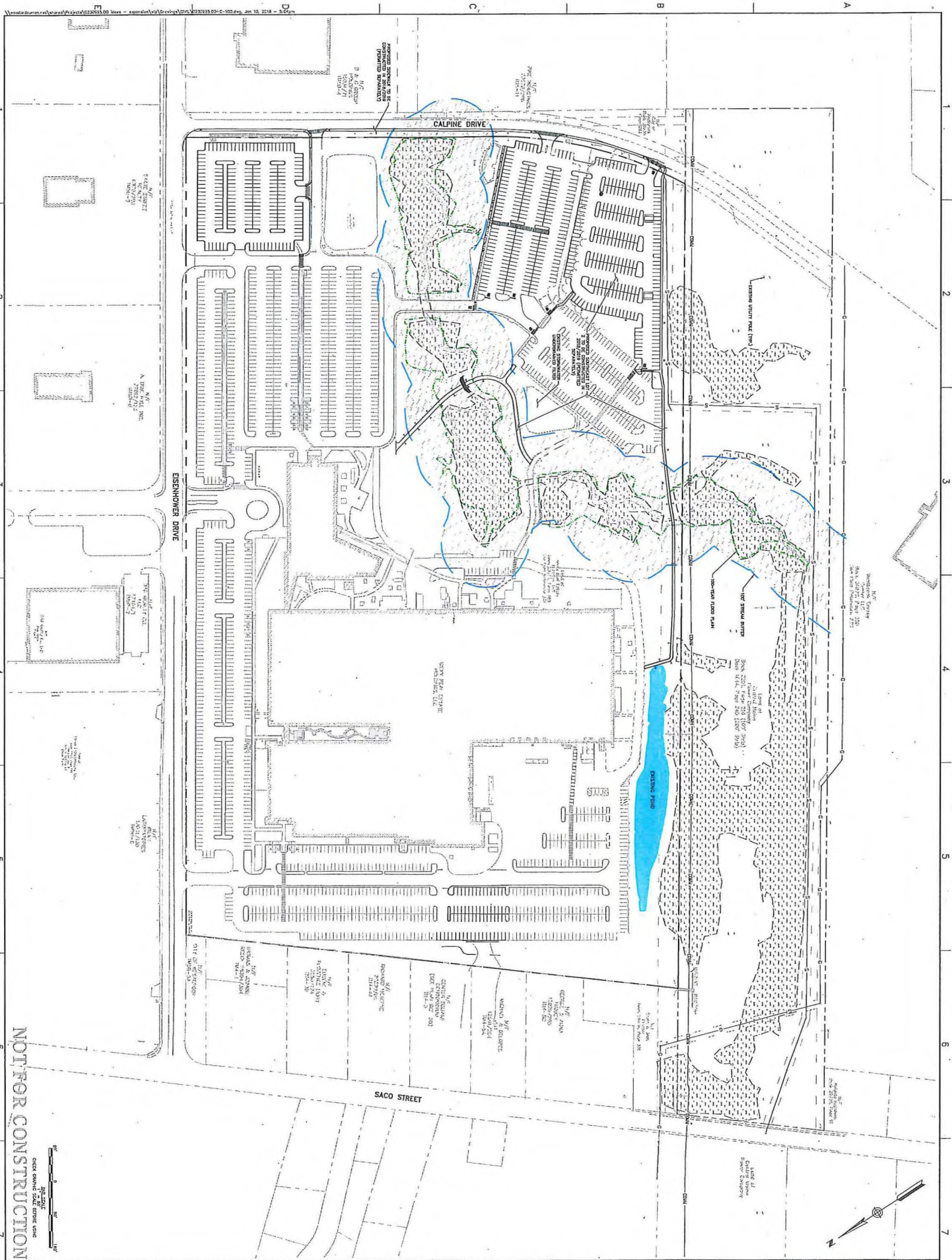
SYMBOL	DESCRIPTION
	1/2\"/>
	3/4\"/>
	1\"/>
	1 1/2\"/>
	2\"/>
	3\"/>
	4\"/>
	6\"/>
	8\"/>
	12\"/>
	18\"/>
	24\"/>
	30\"/>
	36\"/>
	42\"/>
	48\"/>
	54\"/>
	60\"/>
	66\"/>
	72\"/>
	78\"/>
	84\"/>
	90\"/>
	96\"/>
	102\"/>
	108\"/>
	114\"/>
	120\"/>
	126\"/>
	132\"/>
	138\"/>
	144\"/>
	150\"/>
	156\"/>
	162\"/>
	168\"/>
	174\"/>
	180\"/>
	186\"/>
	192\"/>
	198\"/>
	204\"/>
	210\"/>
	216\"/>
	222\"/>
	228\"/>
	234\"/>
	240\"/>
	246\"/>
	252\"/>
	258\"/>
	264\"/>
	270\"/>
	276\"/>
	282\"/>
	288\"/>
	294\"/>
	300\"/>

### LINE TYPES

LINE TYPE	DESCRIPTION
	1/2\"/>
	3/4\"/>
	1\"/>
	1 1/2\"/>
	2\"/>
	3\"/>
	4\"/>
	6\"/>
	8\"/>
	12\"/>
	18\"/>
	24\"/>
	30\"/>
	36\"/>
	42\"/>
	48\"/>
	54\"/>
	60\"/>
	66\"/>
	72\"/>
	78\"/>
	84\"/>
	90\"/>
	96\"/>
	102\"/>
	108\"/>
	114\"/>
	120\"/>
	126\"/>
	132\"/>
	138\"/>
	144\"/>
	150\"/>
	156\"/>
	162\"/>
	168\"/>
	174\"/>
	180\"/>
	186\"/>
	192\"/>
	198\"/>
	204\"/>
	210\"/>
	216\"/>
	222\"/>
	228\"/>
	234\"/>
	240\"/>
	246\"/>
	252\"/>
	258\"/>
	264\"/>
	270\"/>
	276\"/>
	282\"/>
	288\"/>
	294\"/>
	300\"/>

NO.	DESCRIPTION	DATE

NOT FOR CONSTRUCTION  
G-001



NOT FOR CONSTRUCTION

IDEXX  
 ONE IDEXX DRIVE  
 WESTBROOK, ME 04092  
 IDEXX - SYNERGY EAST EXPANSION

EXISTING CONDITIONS PLAN

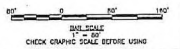
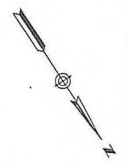
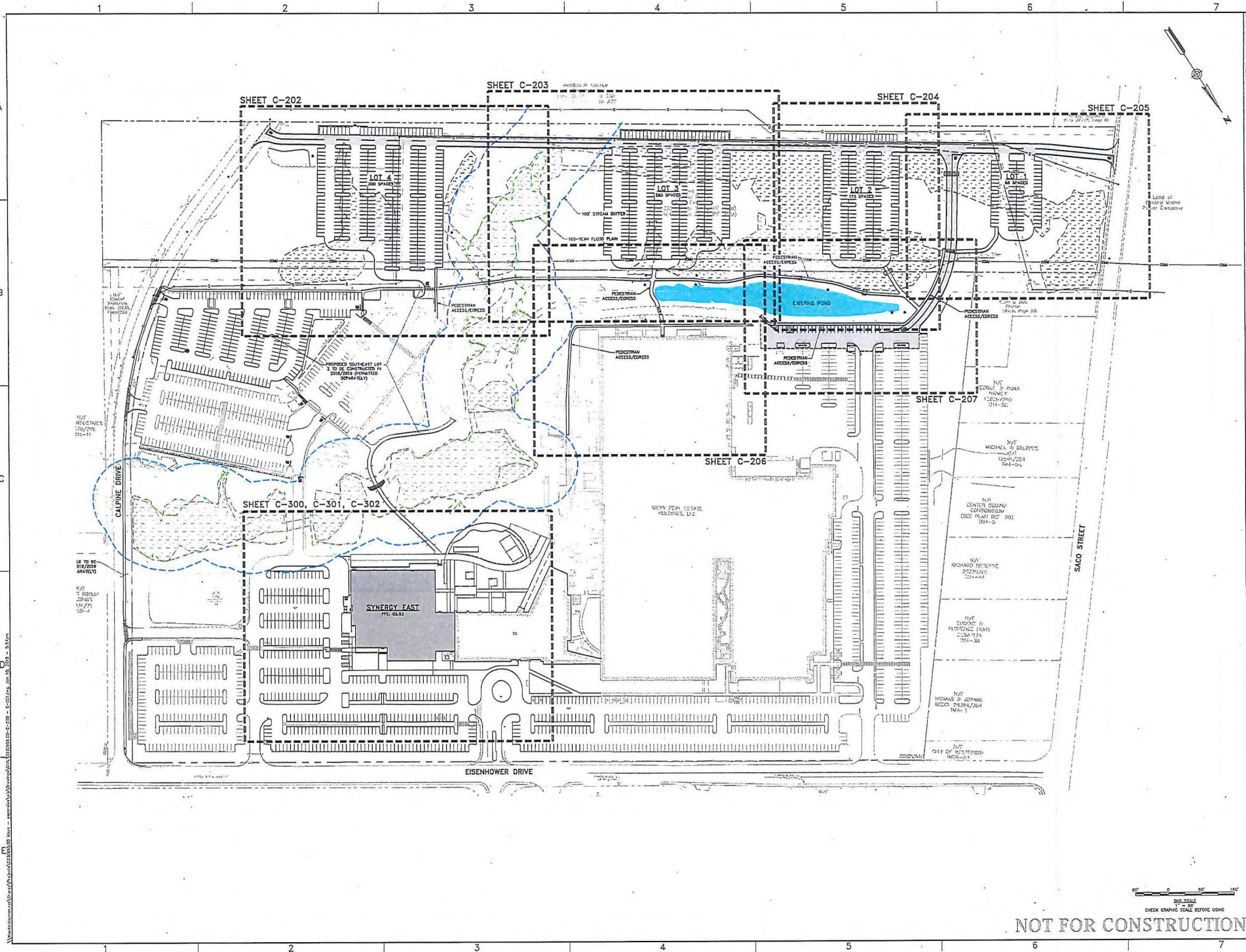
REV	DESCRIPTION	DATE	REV	DESCRIPTION	DATE

DESIGNED BY: AEA      DRAWN BY: JJC      CHECKED BY: EJC      REVIEWED BY: EJC



61 Hubbard Drive  
 Portland, Maine 04112  
 202.428.4212 | www.woodwardcurran.com  
 COMMITMENT & INTEGRITY DRIVE RESULTS

THIS DOCUMENT IS THE PROPERTY OF WOODWARD & CURRAN, INC. AND ITS CLIENTS.  
 REPRODUCTION OR MISAPPROPRIATION WITHOUT WRITTEN PERMISSION IS PROHIBITED.

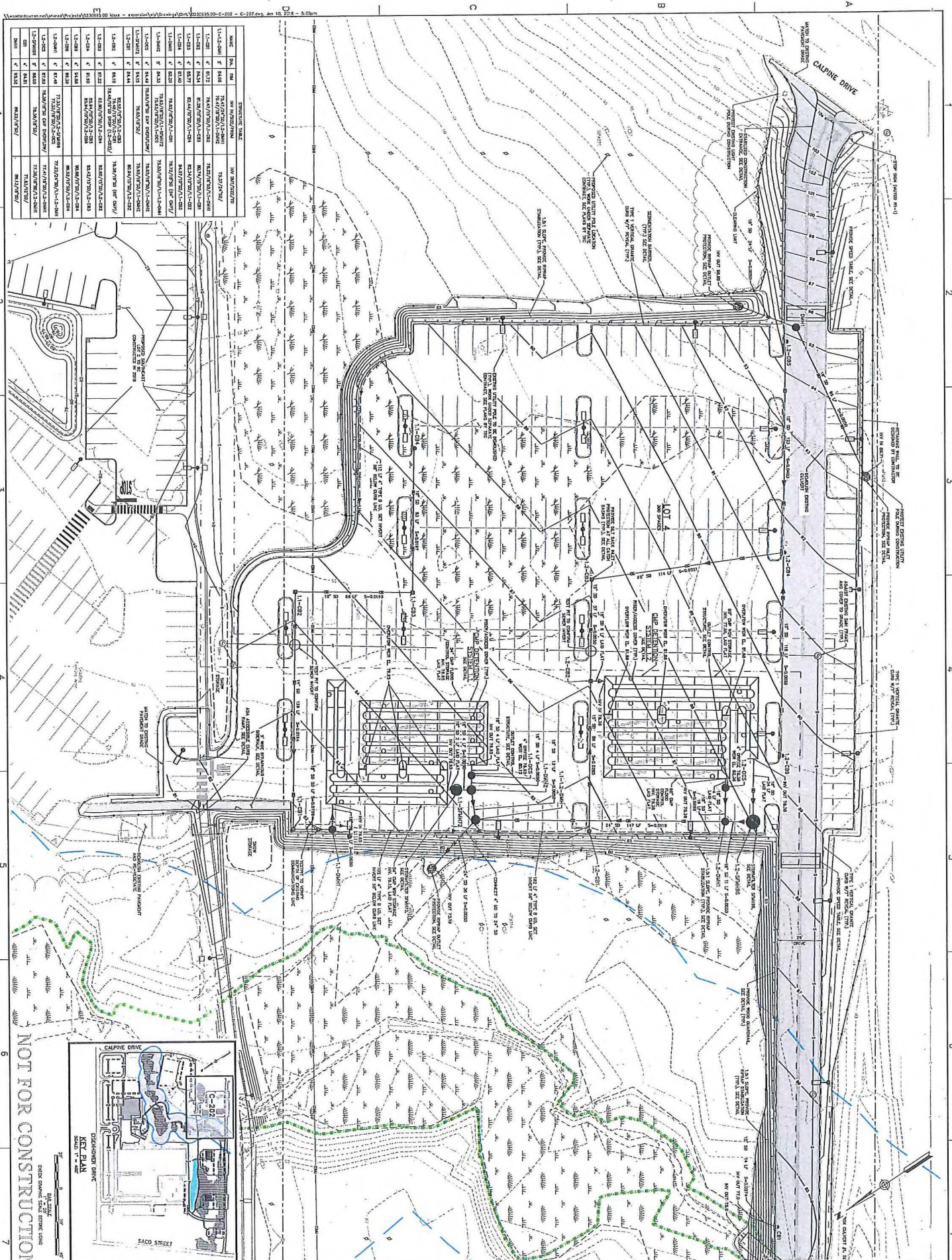


**NOT FOR CONSTRUCTION**

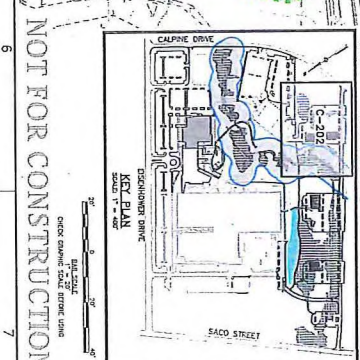
	
41 Washburn Drive Westborough, MA 01581 TEL: 508.336.1000 FAX: 508.336.1001 WWW.PROHARANDCURRAN.COM	
<b>PROPOSED OVERALL SITE PLAN AND SHEET INDEX</b>	<b>INDEX - SYNERGY EAST EXPANSION</b>
INDEX - SYNERGY EAST EXPANSION WESTBOROUGH, MA 01581	INDEX - SYNERGY EAST EXPANSION
SHEET NO. 03.030905.00 DATE: JANUARY 2008 SCALE: 1" = 40' SHEET: 3 OF 28	SHEET NO. 03.030905.00 DATE: JANUARY 2008 SCALE: 1" = 40' SHEET: 3 OF 28







NO.	DATE	DESCRIPTION
1	11/13/2020	ISSUED FOR PERMITS
2	02/11/2021	REVISIONS TO PERMITS
3	03/11/2021	REVISIONS TO PERMITS
4	04/11/2021	REVISIONS TO PERMITS
5	05/11/2021	REVISIONS TO PERMITS
6	06/11/2021	REVISIONS TO PERMITS
7	07/11/2021	REVISIONS TO PERMITS
8	08/11/2021	REVISIONS TO PERMITS
9	09/11/2021	REVISIONS TO PERMITS
10	10/11/2021	REVISIONS TO PERMITS
11	11/11/2021	REVISIONS TO PERMITS
12	12/11/2021	REVISIONS TO PERMITS
13	01/11/2022	REVISIONS TO PERMITS
14	02/11/2022	REVISIONS TO PERMITS
15	03/11/2022	REVISIONS TO PERMITS
16	04/11/2022	REVISIONS TO PERMITS
17	05/11/2022	REVISIONS TO PERMITS
18	06/11/2022	REVISIONS TO PERMITS
19	07/11/2022	REVISIONS TO PERMITS
20	08/11/2022	REVISIONS TO PERMITS
21	09/11/2022	REVISIONS TO PERMITS
22	10/11/2022	REVISIONS TO PERMITS
23	11/11/2022	REVISIONS TO PERMITS
24	12/11/2022	REVISIONS TO PERMITS
25	01/11/2023	REVISIONS TO PERMITS
26	02/11/2023	REVISIONS TO PERMITS
27	03/11/2023	REVISIONS TO PERMITS
28	04/11/2023	REVISIONS TO PERMITS
29	05/11/2023	REVISIONS TO PERMITS
30	06/11/2023	REVISIONS TO PERMITS
31	07/11/2023	REVISIONS TO PERMITS
32	08/11/2023	REVISIONS TO PERMITS
33	09/11/2023	REVISIONS TO PERMITS
34	10/11/2023	REVISIONS TO PERMITS
35	11/11/2023	REVISIONS TO PERMITS
36	12/11/2023	REVISIONS TO PERMITS
37	01/11/2024	REVISIONS TO PERMITS
38	02/11/2024	REVISIONS TO PERMITS
39	03/11/2024	REVISIONS TO PERMITS
40	04/11/2024	REVISIONS TO PERMITS
41	05/11/2024	REVISIONS TO PERMITS
42	06/11/2024	REVISIONS TO PERMITS
43	07/11/2024	REVISIONS TO PERMITS
44	08/11/2024	REVISIONS TO PERMITS
45	09/11/2024	REVISIONS TO PERMITS
46	10/11/2024	REVISIONS TO PERMITS
47	11/11/2024	REVISIONS TO PERMITS
48	12/11/2024	REVISIONS TO PERMITS
49	01/11/2025	REVISIONS TO PERMITS
50	02/11/2025	REVISIONS TO PERMITS



**NOT FOR CONSTRUCTION**

DATE PLOTTED: 11/13/2020  
 SCALE: AS SHOWN  
 PROJECT: IDEXX - SYNERGY EAST EXPANSION  
 SHEET: C-202

**LOT 4 - GRADING AND DRAINAGE PLAN**

REV	DESCRIPTION	DATE	BY	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/13/2020	MEK		
2	REVISIONS TO PERMITS	02/11/2021	MEK		
3	REVISIONS TO PERMITS	03/11/2021	MEK		
4	REVISIONS TO PERMITS	04/11/2021	MEK		
5	REVISIONS TO PERMITS	05/11/2021	MEK		
6	REVISIONS TO PERMITS	06/11/2021	MEK		
7	REVISIONS TO PERMITS	07/11/2021	MEK		
8	REVISIONS TO PERMITS	08/11/2021	MEK		
9	REVISIONS TO PERMITS	09/11/2021	MEK		
10	REVISIONS TO PERMITS	10/11/2021	MEK		
11	REVISIONS TO PERMITS	11/11/2021	MEK		
12	REVISIONS TO PERMITS	12/11/2021	MEK		
13	REVISIONS TO PERMITS	01/11/2022	MEK		
14	REVISIONS TO PERMITS	02/11/2022	MEK		
15	REVISIONS TO PERMITS	03/11/2022	MEK		
16	REVISIONS TO PERMITS	04/11/2022	MEK		
17	REVISIONS TO PERMITS	05/11/2022	MEK		
18	REVISIONS TO PERMITS	06/11/2022	MEK		
19	REVISIONS TO PERMITS	07/11/2022	MEK		
20	REVISIONS TO PERMITS	08/11/2022	MEK		
21	REVISIONS TO PERMITS	09/11/2022	MEK		
22	REVISIONS TO PERMITS	10/11/2022	MEK		
23	REVISIONS TO PERMITS	11/11/2022	MEK		
24	REVISIONS TO PERMITS	12/11/2022	MEK		
25	REVISIONS TO PERMITS	01/11/2023	MEK		
26	REVISIONS TO PERMITS	02/11/2023	MEK		
27	REVISIONS TO PERMITS	03/11/2023	MEK		
28	REVISIONS TO PERMITS	04/11/2023	MEK		
29	REVISIONS TO PERMITS	05/11/2023	MEK		
30	REVISIONS TO PERMITS	06/11/2023	MEK		
31	REVISIONS TO PERMITS	07/11/2023	MEK		
32	REVISIONS TO PERMITS	08/11/2023	MEK		
33	REVISIONS TO PERMITS	09/11/2023	MEK		
34	REVISIONS TO PERMITS	10/11/2023	MEK		
35	REVISIONS TO PERMITS	11/11/2023	MEK		
36	REVISIONS TO PERMITS	12/11/2023	MEK		
37	REVISIONS TO PERMITS	01/11/2024	MEK		
38	REVISIONS TO PERMITS	02/11/2024	MEK		
39	REVISIONS TO PERMITS	03/11/2024	MEK		
40	REVISIONS TO PERMITS	04/11/2024	MEK		
41	REVISIONS TO PERMITS	05/11/2024	MEK		
42	REVISIONS TO PERMITS	06/11/2024	MEK		
43	REVISIONS TO PERMITS	07/11/2024	MEK		
44	REVISIONS TO PERMITS	08/11/2024	MEK		
45	REVISIONS TO PERMITS	09/11/2024	MEK		
46	REVISIONS TO PERMITS	10/11/2024	MEK		
47	REVISIONS TO PERMITS	11/11/2024	MEK		
48	REVISIONS TO PERMITS	12/11/2024	MEK		
49	REVISIONS TO PERMITS	01/11/2025	MEK		
50	REVISIONS TO PERMITS	02/11/2025	MEK		

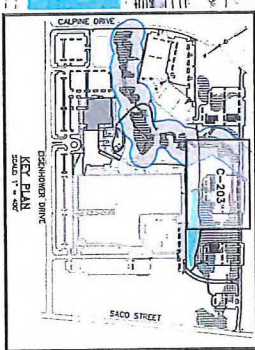
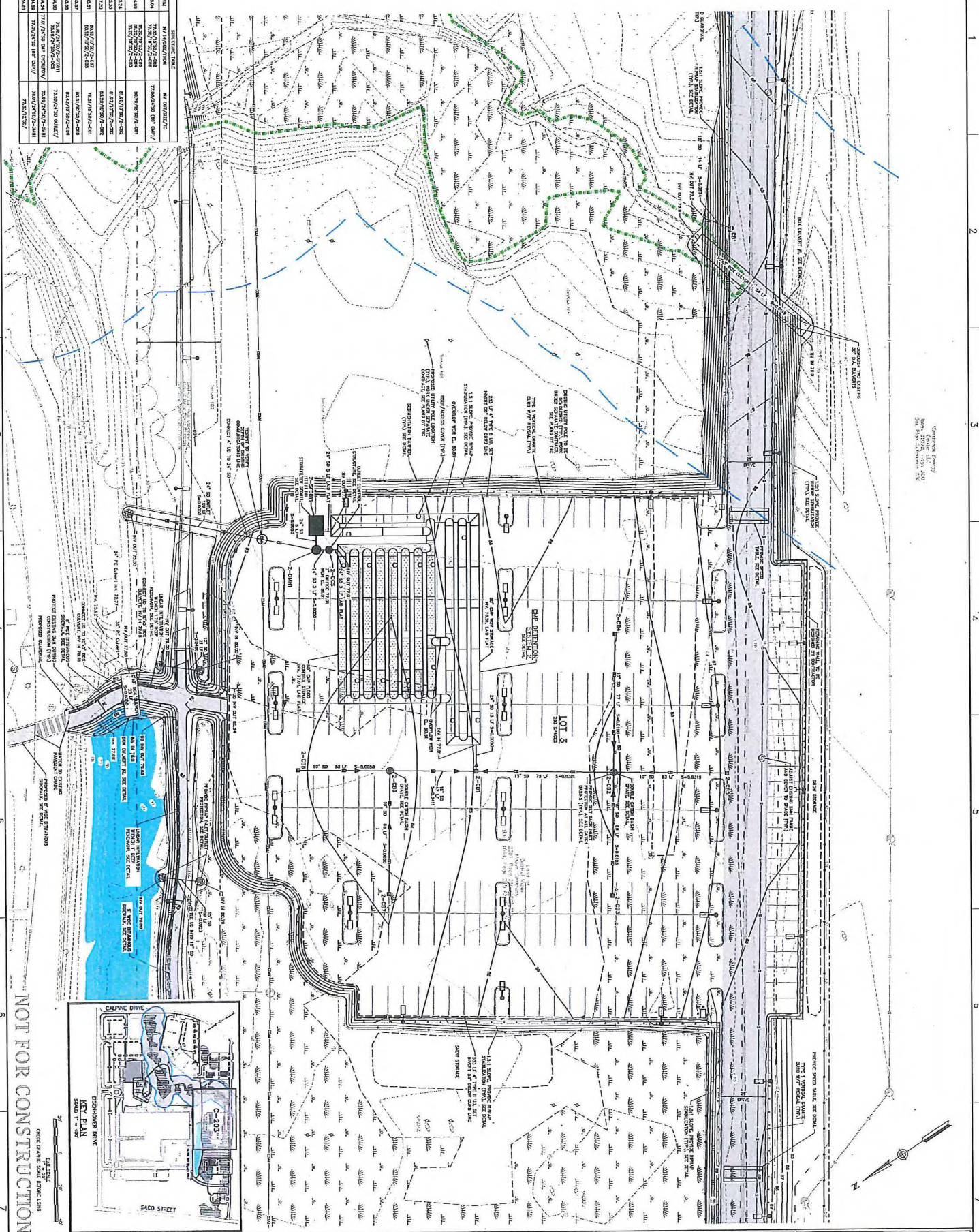
**IDEXX**  
 ONE IDEXX DRIVE  
 WESTBROOK, ME 04092

IDEXX - SYNERGY EAST EXPANSION

41 Parkville Drive  
 Portland, Maine 04112  
 800.426.4382 | www.woodard-curran.com

CONNECTION & INTEGRITY DRIVE RESULTS

DATE	NO.	BY	DESCRIPTION
2-2021	1	AS	ISSUED FOR PERMIT
2-2021	2	AS	REVISED TO REFLECT COMMENTS
2-2021	3	AS	REVISED TO REFLECT COMMENTS
2-2021	4	AS	REVISED TO REFLECT COMMENTS
2-2021	5	AS	REVISED TO REFLECT COMMENTS
2-2021	6	AS	REVISED TO REFLECT COMMENTS
2-2021	7	AS	REVISED TO REFLECT COMMENTS
2-2021	8	AS	REVISED TO REFLECT COMMENTS
2-2021	9	AS	REVISED TO REFLECT COMMENTS
2-2021	10	AS	REVISED TO REFLECT COMMENTS
2-2021	11	AS	REVISED TO REFLECT COMMENTS
2-2021	12	AS	REVISED TO REFLECT COMMENTS
2-2021	13	AS	REVISED TO REFLECT COMMENTS
2-2021	14	AS	REVISED TO REFLECT COMMENTS
2-2021	15	AS	REVISED TO REFLECT COMMENTS
2-2021	16	AS	REVISED TO REFLECT COMMENTS
2-2021	17	AS	REVISED TO REFLECT COMMENTS
2-2021	18	AS	REVISED TO REFLECT COMMENTS
2-2021	19	AS	REVISED TO REFLECT COMMENTS
2-2021	20	AS	REVISED TO REFLECT COMMENTS
2-2021	21	AS	REVISED TO REFLECT COMMENTS
2-2021	22	AS	REVISED TO REFLECT COMMENTS
2-2021	23	AS	REVISED TO REFLECT COMMENTS
2-2021	24	AS	REVISED TO REFLECT COMMENTS
2-2021	25	AS	REVISED TO REFLECT COMMENTS
2-2021	26	AS	REVISED TO REFLECT COMMENTS
2-2021	27	AS	REVISED TO REFLECT COMMENTS
2-2021	28	AS	REVISED TO REFLECT COMMENTS
2-2021	29	AS	REVISED TO REFLECT COMMENTS
2-2021	30	AS	REVISED TO REFLECT COMMENTS
2-2021	31	AS	REVISED TO REFLECT COMMENTS
2-2021	32	AS	REVISED TO REFLECT COMMENTS
2-2021	33	AS	REVISED TO REFLECT COMMENTS
2-2021	34	AS	REVISED TO REFLECT COMMENTS
2-2021	35	AS	REVISED TO REFLECT COMMENTS
2-2021	36	AS	REVISED TO REFLECT COMMENTS
2-2021	37	AS	REVISED TO REFLECT COMMENTS
2-2021	38	AS	REVISED TO REFLECT COMMENTS
2-2021	39	AS	REVISED TO REFLECT COMMENTS
2-2021	40	AS	REVISED TO REFLECT COMMENTS
2-2021	41	AS	REVISED TO REFLECT COMMENTS
2-2021	42	AS	REVISED TO REFLECT COMMENTS
2-2021	43	AS	REVISED TO REFLECT COMMENTS
2-2021	44	AS	REVISED TO REFLECT COMMENTS
2-2021	45	AS	REVISED TO REFLECT COMMENTS
2-2021	46	AS	REVISED TO REFLECT COMMENTS
2-2021	47	AS	REVISED TO REFLECT COMMENTS
2-2021	48	AS	REVISED TO REFLECT COMMENTS
2-2021	49	AS	REVISED TO REFLECT COMMENTS
2-2021	50	AS	REVISED TO REFLECT COMMENTS
2-2021	51	AS	REVISED TO REFLECT COMMENTS
2-2021	52	AS	REVISED TO REFLECT COMMENTS
2-2021	53	AS	REVISED TO REFLECT COMMENTS
2-2021	54	AS	REVISED TO REFLECT COMMENTS
2-2021	55	AS	REVISED TO REFLECT COMMENTS
2-2021	56	AS	REVISED TO REFLECT COMMENTS
2-2021	57	AS	REVISED TO REFLECT COMMENTS
2-2021	58	AS	REVISED TO REFLECT COMMENTS
2-2021	59	AS	REVISED TO REFLECT COMMENTS
2-2021	60	AS	REVISED TO REFLECT COMMENTS
2-2021	61	AS	REVISED TO REFLECT COMMENTS
2-2021	62	AS	REVISED TO REFLECT COMMENTS
2-2021	63	AS	REVISED TO REFLECT COMMENTS
2-2021	64	AS	REVISED TO REFLECT COMMENTS
2-2021	65	AS	REVISED TO REFLECT COMMENTS
2-2021	66	AS	REVISED TO REFLECT COMMENTS
2-2021	67	AS	REVISED TO REFLECT COMMENTS
2-2021	68	AS	REVISED TO REFLECT COMMENTS
2-2021	69	AS	REVISED TO REFLECT COMMENTS
2-2021	70	AS	REVISED TO REFLECT COMMENTS
2-2021	71	AS	REVISED TO REFLECT COMMENTS
2-2021	72	AS	REVISED TO REFLECT COMMENTS
2-2021	73	AS	REVISED TO REFLECT COMMENTS
2-2021	74	AS	REVISED TO REFLECT COMMENTS
2-2021	75	AS	REVISED TO REFLECT COMMENTS
2-2021	76	AS	REVISED TO REFLECT COMMENTS
2-2021	77	AS	REVISED TO REFLECT COMMENTS
2-2021	78	AS	REVISED TO REFLECT COMMENTS
2-2021	79	AS	REVISED TO REFLECT COMMENTS
2-2021	80	AS	REVISED TO REFLECT COMMENTS
2-2021	81	AS	REVISED TO REFLECT COMMENTS
2-2021	82	AS	REVISED TO REFLECT COMMENTS
2-2021	83	AS	REVISED TO REFLECT COMMENTS
2-2021	84	AS	REVISED TO REFLECT COMMENTS
2-2021	85	AS	REVISED TO REFLECT COMMENTS
2-2021	86	AS	REVISED TO REFLECT COMMENTS
2-2021	87	AS	REVISED TO REFLECT COMMENTS
2-2021	88	AS	REVISED TO REFLECT COMMENTS
2-2021	89	AS	REVISED TO REFLECT COMMENTS
2-2021	90	AS	REVISED TO REFLECT COMMENTS
2-2021	91	AS	REVISED TO REFLECT COMMENTS
2-2021	92	AS	REVISED TO REFLECT COMMENTS
2-2021	93	AS	REVISED TO REFLECT COMMENTS
2-2021	94	AS	REVISED TO REFLECT COMMENTS
2-2021	95	AS	REVISED TO REFLECT COMMENTS
2-2021	96	AS	REVISED TO REFLECT COMMENTS
2-2021	97	AS	REVISED TO REFLECT COMMENTS
2-2021	98	AS	REVISED TO REFLECT COMMENTS
2-2021	99	AS	REVISED TO REFLECT COMMENTS
2-2021	100	AS	REVISED TO REFLECT COMMENTS



**NOT FOR CONSTRUCTION**

IDEXX  
 ONE IDEXX DRIVE  
 WESTBROOK, ME 04092

IDEXX - SYNERGY EAST EXPANSION

LOT 3 - GRADING AND DRAINAGE PLAN

NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE
1	DESIGNED BY: AEA		1	DESIGNED BY: AEA	
2	DRAWN BY: JSC		2	DRAWN BY: JSC	
3	CHECKED BY: EUC		3	CHECKED BY: EUC	
4	DATE: 06-11-2021		4	DATE: 06-11-2021	

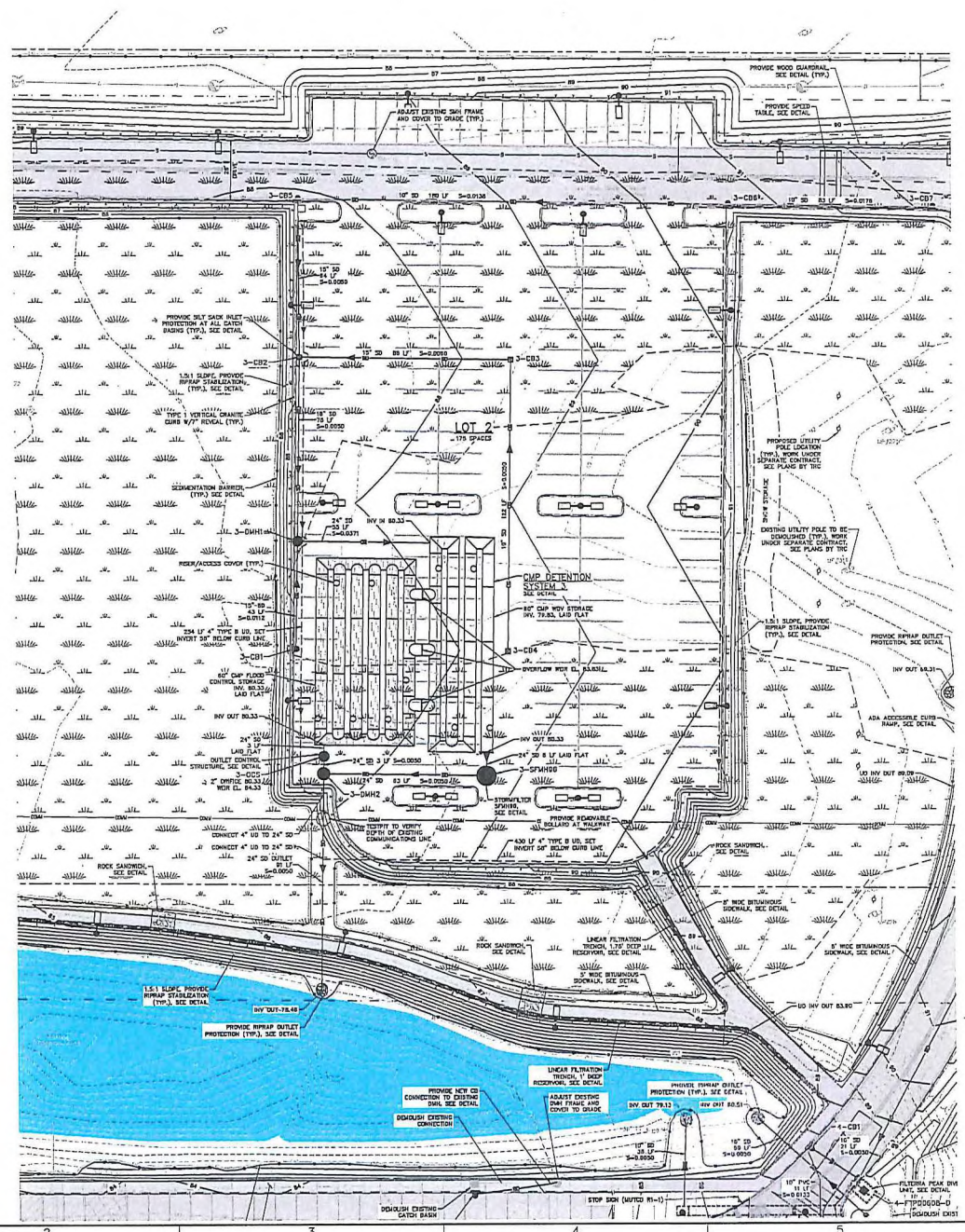


**WOODWARD CLARKSON**  
 41 Hubbard Drive  
 Portland, Maine 04112  
 800.426.4252 | www.woodwardclarkson.com

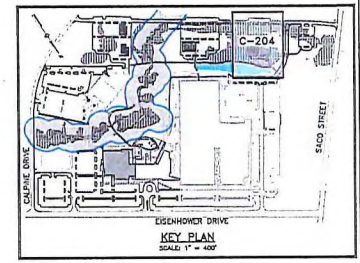
COMMITMENT & INTEGRITY DRIVE RESULTS

THIS DOCUMENT IS THE PROPERTY OF WOODWARD CLARKSON INC. AND THE BOUNDARY OF THIS DOCUMENT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WOODWARD CLARKSON INC.

C-203



STRUCTURE TABLE				
NAME	QA	RM	INV H/SIZE/FRON	INV GUT/SIDE/TO
3-CB1	4'	87.23	83.40/10'20"/3-CB3 83.48/10'20"/3-CB5	83.36/10'20"/3-DWH
3-CB2	4'	87.23	83.40/10'20"/3-CB3 83.48/10'20"/3-CB5	83.33/10'20"/3-DWH
3-CB3	4'	88.24	84.42/10'20"/3-CB4	84.00/10'20"/3-CB2
3-CB4	4'	88.24		83.02/10'20"/3-CB3
3-CB5	4'	87.82	84.00/10'20"/3-CB6 83.90/10'20"/3-CB2	
3-CB6	4'	86.83	86.83/10'20"/3-CB7	85.53/10'20"/3-CB5
3-CB7	4'	82.02		86.78/10'20"/3-CB8
3-SWH1	4'	87.88	82.83/10'20"/3-CB2 83.16/10'20"/3-CB1	82.32/24'20" (10' CWP)
3-SWH2	5'	87.52	79.02/24'20"/3-SWH3 79.02/24'20"/3-CB3	78.92/24'20" OUTLET/
3-CB3	4'	87.75	80.33/24'20" CWP OVERFLOW	79.02/24'20"/3-DWH3
3-SWH3	4'	88.75	80.33/24'20" (10' CWP)	79.32/24'20"/3-DWH3



NOT FOR CONSTRUCTION

4008 SHEET

WOODWARD & CURRAN  
CONSULTING ENGINEERS & ARCHITECTS  
1000 WEST 10TH AVENUE, SUITE 200  
DENVER, CO 80202

PROFESSIONAL ENGINEER  
NO. 001516

PROJECT NO. 20190100

DATE: JANUARY 2018

SCALE: 1" = 20'

SHEET: 7 OF 28

LOT 2 - GRADING AND DRAINAGE PLAN

IBEX - STURGEY EAST EXPANSION

IBEX DRIVE  
WESTBORO, MA 01581

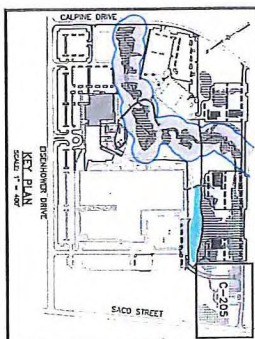
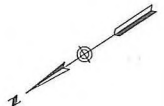
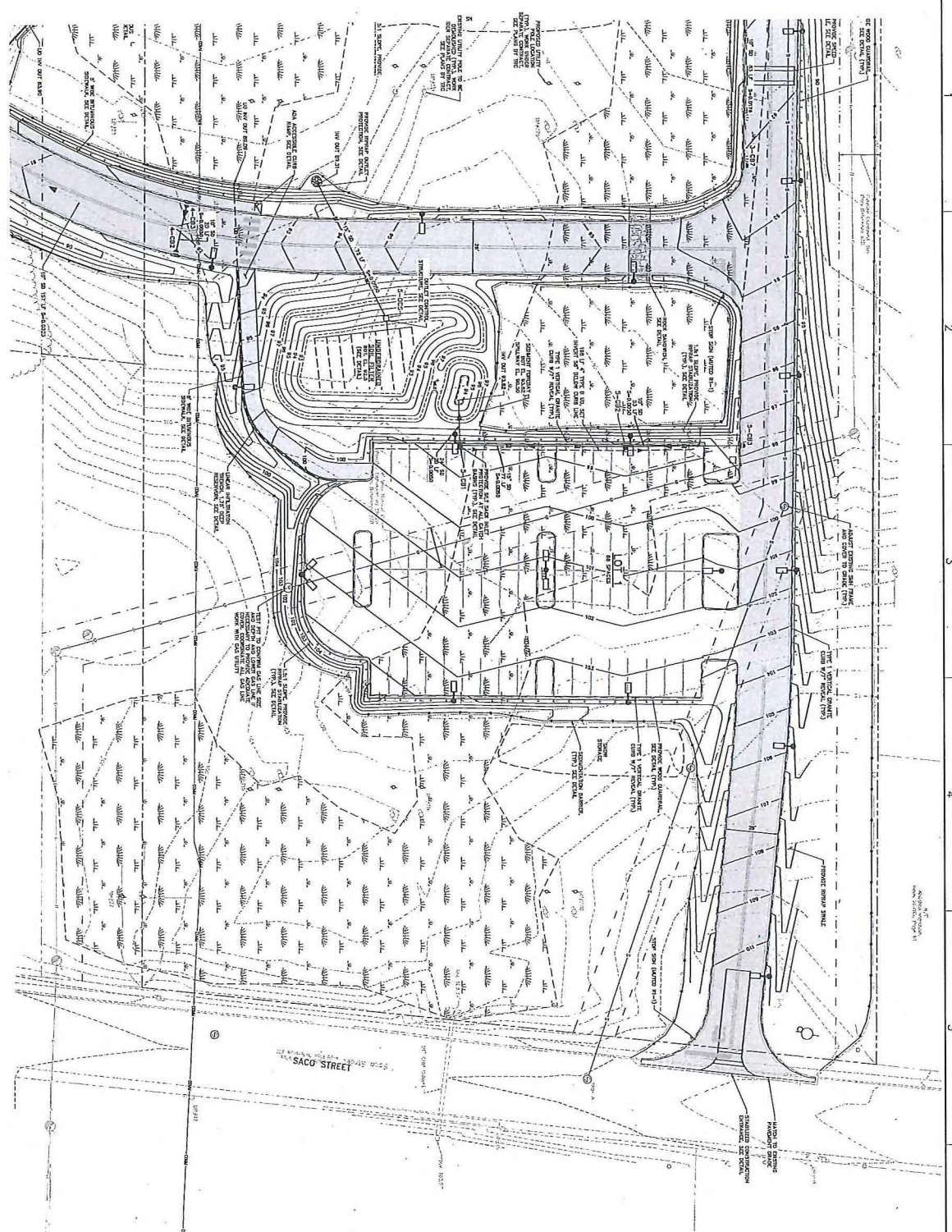
CONTRACT NO. 20190100

DATE: JANUARY 2018

SCALE: 1" = 20'

SHEET: 7 OF 28

C-204



THREATS TABLE					
SLIC#	SHA	REG	NOI	NOI DATE/TIME	NOI DATE/TIME
1-001	K	REG	NOI	12/27/2010	12/27/2010
2-001	K	REG	NOI	12/27/2010	12/27/2010
3-001	K	REG	NOI	12/27/2010	12/27/2010
4-001	K	REG	NOI	12/27/2010	12/27/2010
5-001	K	REG	NOI	12/27/2010	12/27/2010
6-001	K	REG	NOI	12/27/2010	12/27/2010
7-001	K	REG	NOI	12/27/2010	12/27/2010
8-001	K	REG	NOI	12/27/2010	12/27/2010
9-001	K	REG	NOI	12/27/2010	12/27/2010
10-001	K	REG	NOI	12/27/2010	12/27/2010
11-001	K	REG	NOI	12/27/2010	12/27/2010
12-001	K	REG	NOI	12/27/2010	12/27/2010
13-001	K	REG	NOI	12/27/2010	12/27/2010
14-001	K	REG	NOI	12/27/2010	12/27/2010
15-001	K	REG	NOI	12/27/2010	12/27/2010
16-001	K	REG	NOI	12/27/2010	12/27/2010
17-001	K	REG	NOI	12/27/2010	12/27/2010
18-001	K	REG	NOI	12/27/2010	12/27/2010
19-001	K	REG	NOI	12/27/2010	12/27/2010
20-001	K	REG	NOI	12/27/2010	12/27/2010

NOT FOR CONSTRUCTION

C-205

DATE: 12/27/10  
SCALE: AS SHOWN  
PROJECT: SYNERGY EAST EXPANSION

IDEXX  
ONE IDEXX DRIVE  
WESTERBROOK, ME 04092

IDEXX - SYNERGY EAST EXPANSION

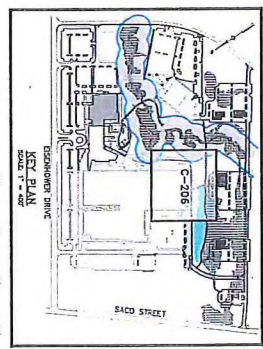
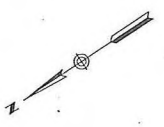
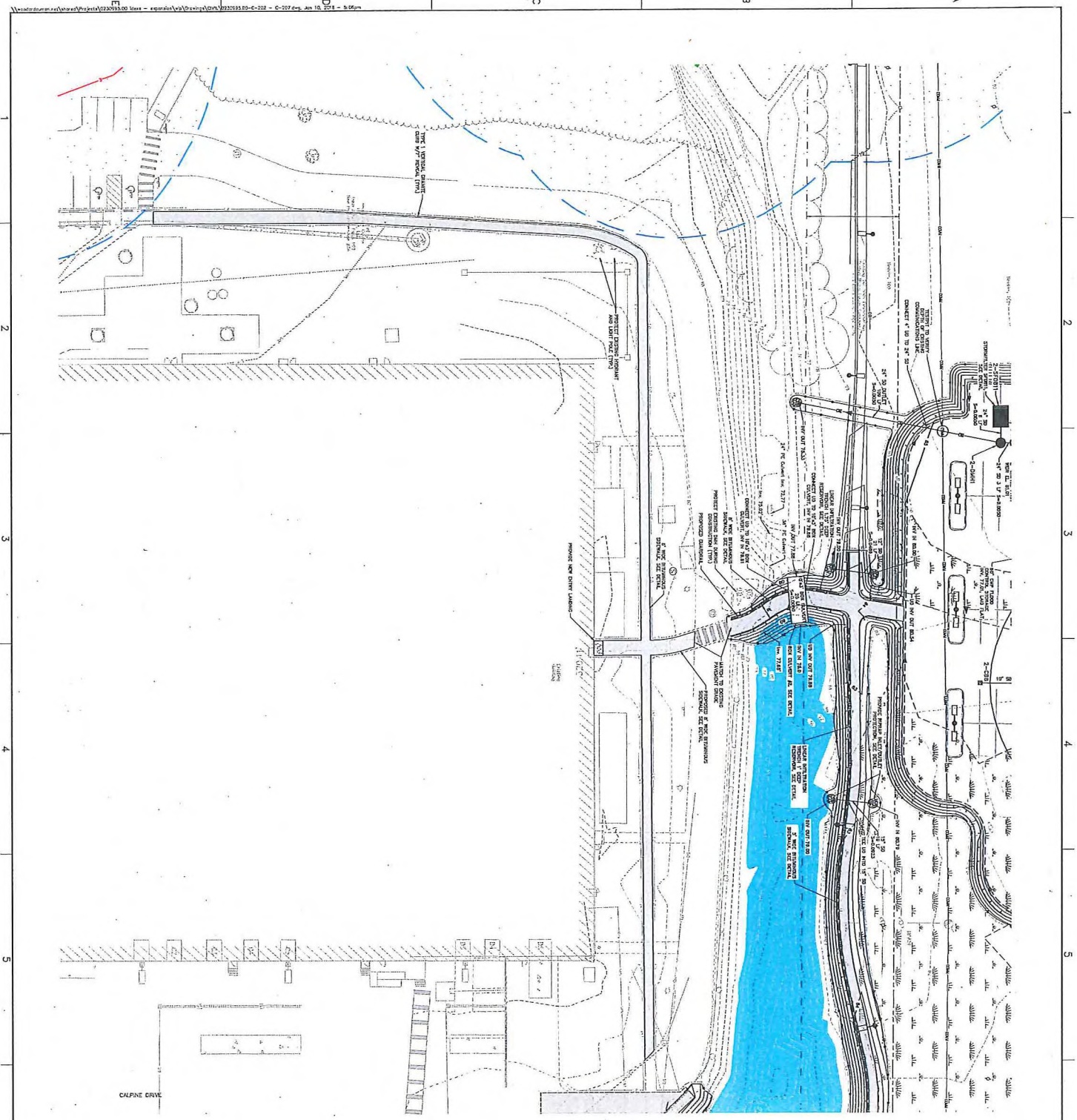
LOT 1 - GRADING AND DRAINAGE PLAN					
REV	DESCRIPTION	DATE	BY	DESCRIPTION	DATE

DESIGNED BY: JEA  
DRAWN BY: JDC  
CHECKED BY: JDC  
SCALE: AS SHOWN

**WOODARD & CURRAN**

41 Hutchins Drive  
Portland, Maine 04112  
800.424.4282 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS



NOT FOR CONSTRUCTION

C-206

IDEXX  
 ONE IDEXX DRIVE  
 WESTBROOK, ME 04092

IDEXX - SYNERGY EAST EXPANSION

SOUTH ENTRANCE SIDEWALK  
 GRADING AND DRAINAGE PLAN

REV	DESCRIPTION	DATE	REV	DESCRIPTION	DATE

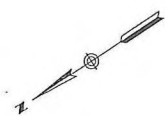
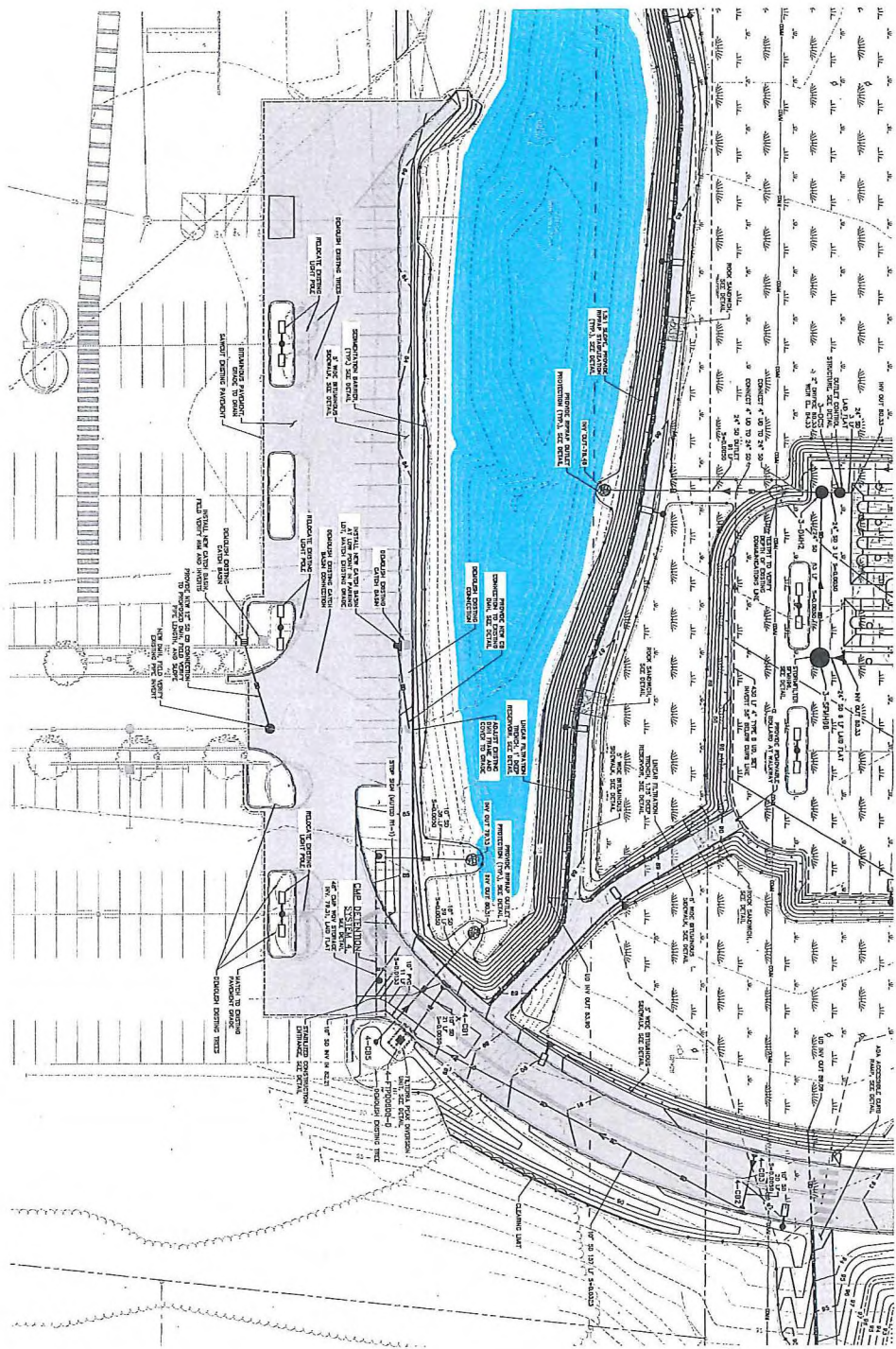


**WOODARD & CURRAN**

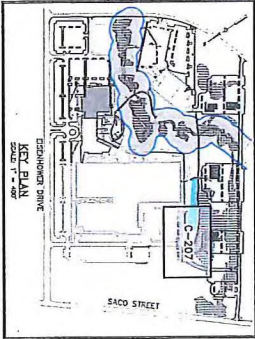
41 Hudson Drive  
 Portland, Maine 04112  
 TEL: 603.633.1121 www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

THIS DOCUMENT IS THE PROPERTY OF WOODARD & CURRAN AND, AND ITS CLIENT. REPRODUCTION OR MODIFICATION WITHOUT WRITTEN PERMISSION IS PROHIBITED.



DATE	BY	REV	DESCRIPTION
08/21/2018	JAC	1	ISSUED FOR PERMIT
08/21/2018	JAC	2	REVISED PER COMMENTS
08/21/2018	JAC	3	REVISED PER COMMENTS
08/21/2018	JAC	4	REVISED PER COMMENTS
08/21/2018	JAC	5	REVISED PER COMMENTS
08/21/2018	JAC	6	REVISED PER COMMENTS
08/21/2018	JAC	7	REVISED PER COMMENTS
08/21/2018	JAC	8	REVISED PER COMMENTS
08/21/2018	JAC	9	REVISED PER COMMENTS
08/21/2018	JAC	10	REVISED PER COMMENTS



NOT FOR CONSTRUCTION

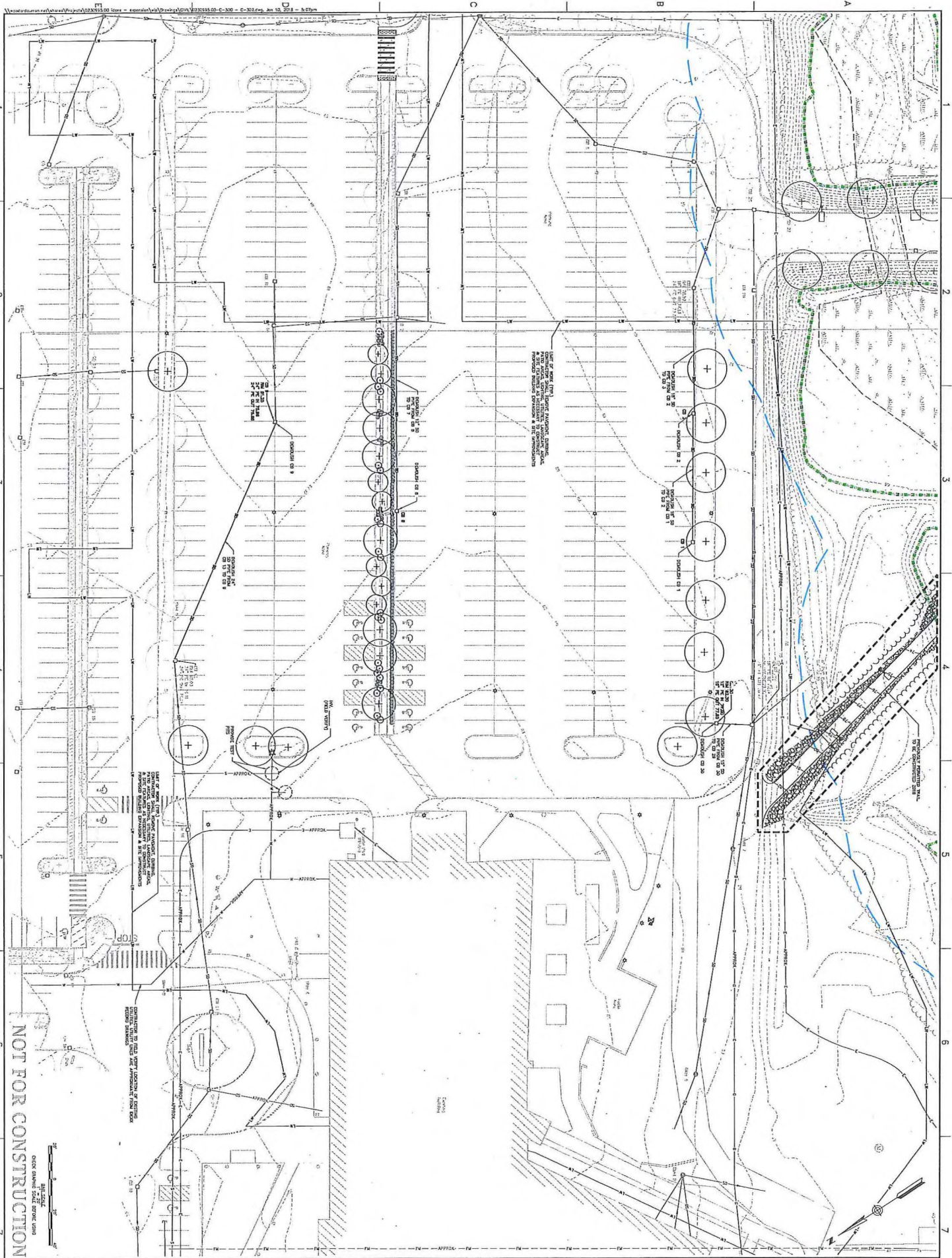
IDEXX  
 ONE IDEXX DRIVE  
 WESTROOK, ME 04092  
 IDEXX - SYNERGY EAST EXPANSION

SOUTHWEST SIDEWALK  
 GRADING AND DRAINAGE PLAN

REV	DESCRIPTION	DATE	REV	DESCRIPTION	DATE

41 Main Street  
 Portland, Maine 04102  
 800.634.6100 | www.woodardandcurran.com  
 COMMITMENT & INTEGRITY DRIVE RESULTS

C-207



NOT FOR CONSTRUCTION

C-300

IDEXX  
 ONE IDEXX DRIVE  
 WESTBROOK, ME 04092

IDEXX - SYNERGY EAST EXPANSION

BUILDING EXPANSION - EXISTING  
 CONDITIONS & DEMOLITION PLAN

REV	DESCRIPTION	DATE	REV	DESCRIPTION	DATE

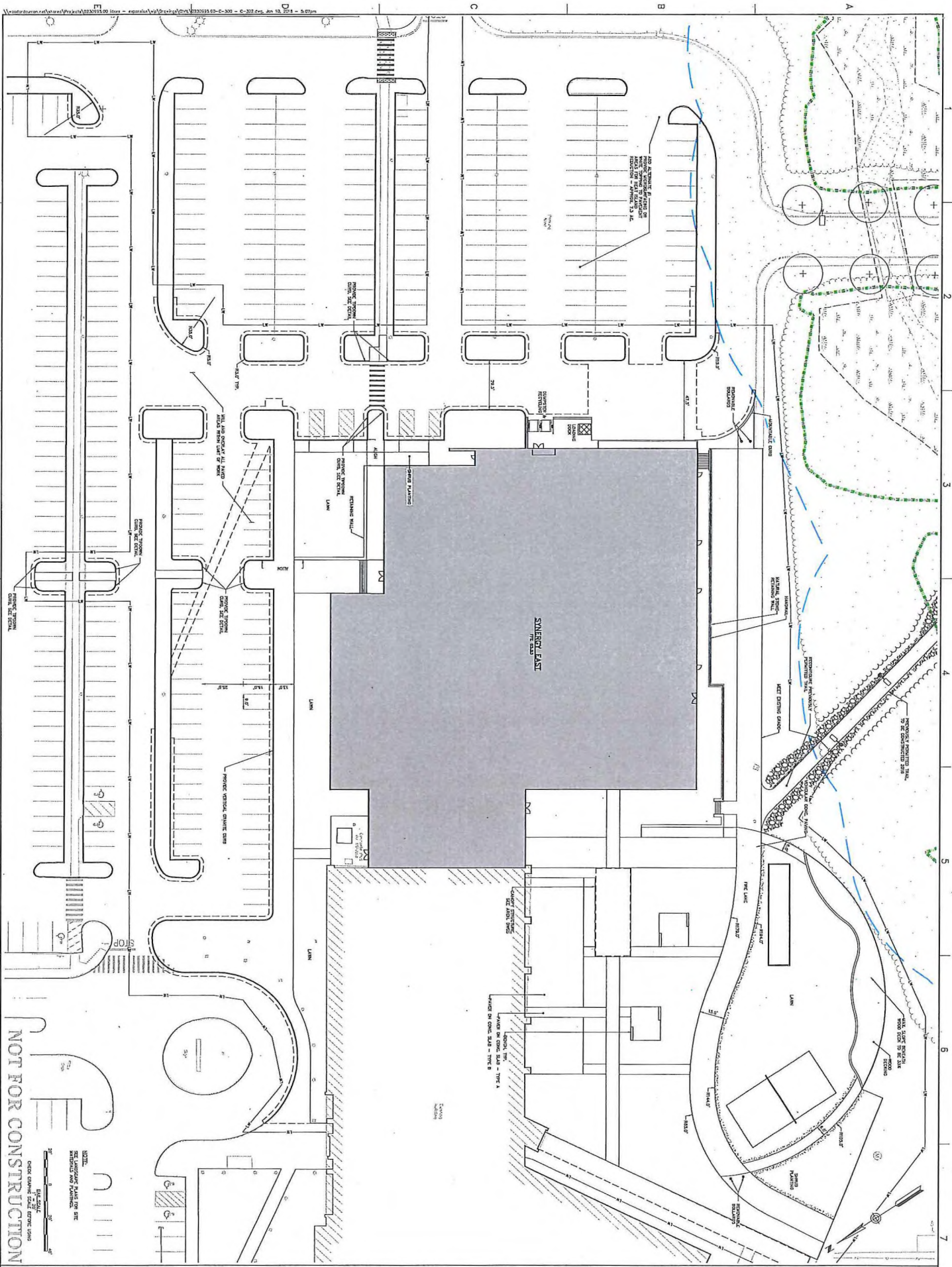
DESIGNED BY: AEA      DRAWN BY: BGM      CHECKED BY: ELC      REVISED: C-300 - C-300

**WOODARD & CURRAN**  
 41 Hutchins Drive  
 Portland, Maine 04112  
 603.433.6121 | www.woodardcurran.com  
 COMMITMENT & INTEGRITY DRIVE RESULTS

THIS DOCUMENT IS THE PROPERTY OF WOODARD & CURRAN INC. AND ITS CLIENT. REPRODUCTION OR MODIFICATION WITHOUT WRITTEN PERMISSION IS PROHIBITED.

04/24/2024





NOT FOR CONSTRUCTION

SCALE:  
 1" = 20'  
 1/4" = 5'

DATE: 08/11/10  
 DRAWN BY: J. B. EMMETT  
 CHECKED BY: J. B. EMMETT

PROJECT: IDEXX - SYNERGY EAST EXPANSION  
 LOCATION: ONE IDEXX DRIVE, WESTERBROOK, ME 04092

C-301

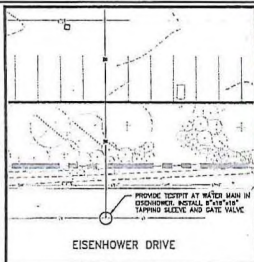
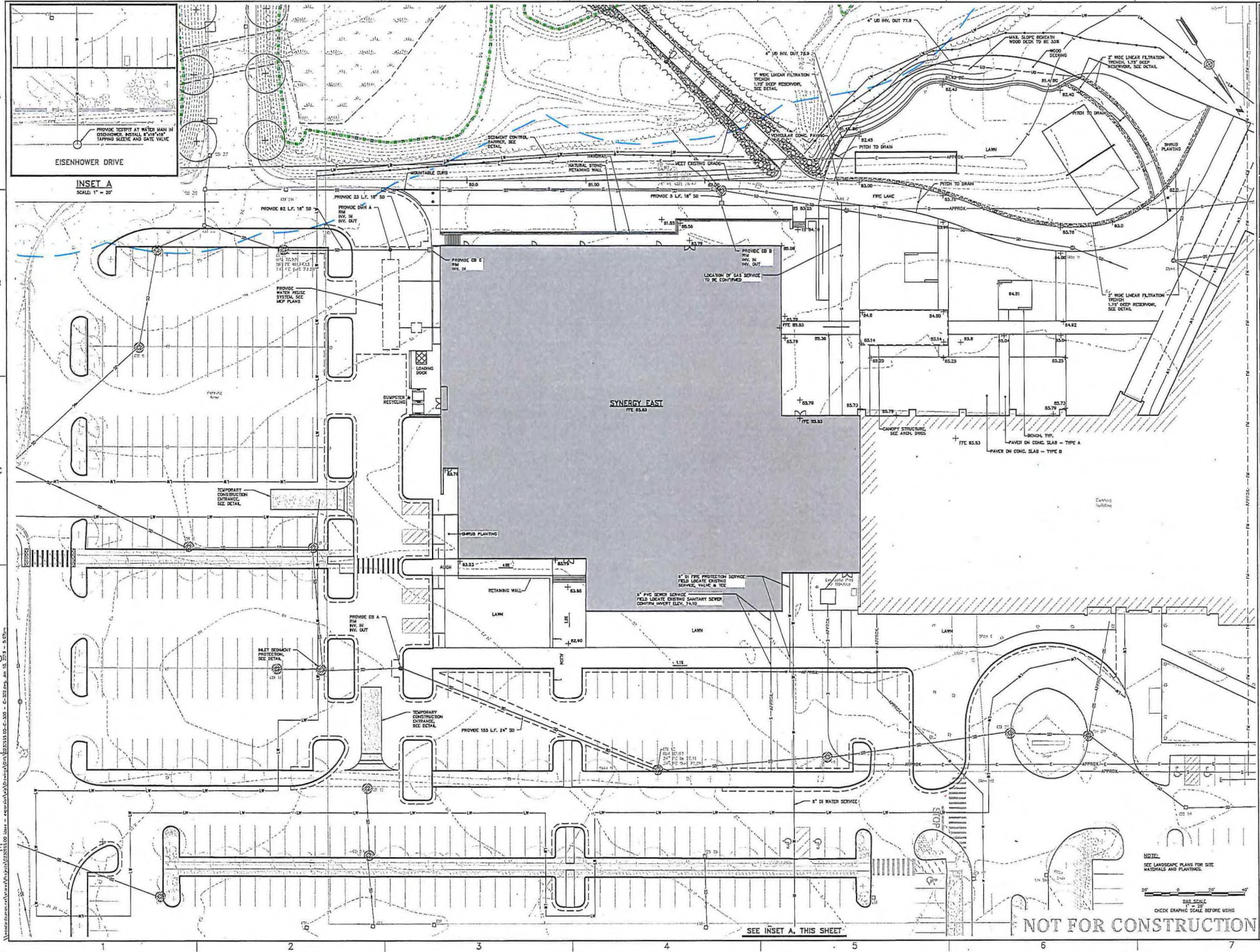
IDEXX - SYNERGY EAST EXPANSION

BUILDING EXPANSION - SITE PLAN

REV	DESCRIPTION	DATE	REV	DESCRIPTION	DATE



**WOODWARD & CURRAN**  
 41 Hutchins Drive  
 Portland, Maine 04112  
 TEL: 603.624.1100 | www.woodwardcurran.com  
 COMMITMENT & INTEGRITY DRIVE RESULTS



INSET A  
SCALE 1" = 20'

EISENHOWER DRIVE

SYNERGY EAST  
FTE. 83.83

RETAINING WALL

LAWN

WALKWAY

WALKWAY

WALKWAY

WALKWAY

WALKWAY

WALKWAY

WALKWAY

WALKWAY

WALKWAY

WALKWAY

NOTE:  
SEE LANDSCAPE PLANS FOR SITE MATERIALS AND PLANTINGS.

DATE: 08/20/2018  
SCALE: 1" = 20'  
CHECK GRAPHIC SCALE BEFORE USING

NOT FOR CONSTRUCTION

4200 SHEET 11

At: 1000 Main Drive  
PO BOX 3202 | WESTERBROOK, ME 04092  
www.purdum.com  
COMMERCIAL LANDSCAPE CONSULTANTS

**PURDUM & CURRAN**  
LANDSCAPE ARCHITECTS

Professional Seal: JOHN A. PURDUM, Landscape Architect, No. 15123, State of Maine

DATE: 08/20/2018	SCALE: 1" = 20'	CHECKED BY: JEM	DESIGNED BY: JEM
PROJECT: SYNERGY EAST	CLIENT: SYNERGY EAST	DATE: 08/20/2018	SCALE: 1" = 20'

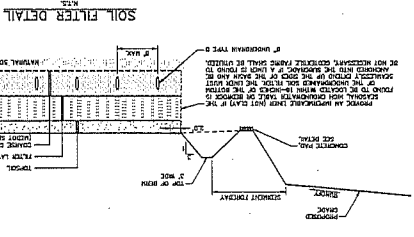
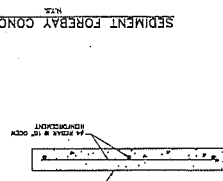
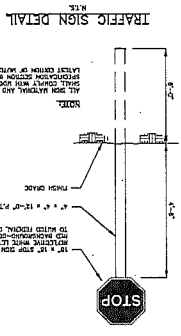
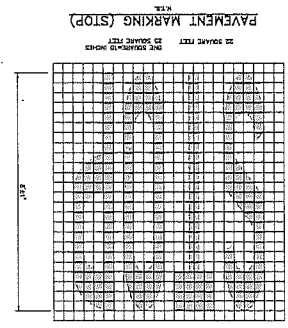
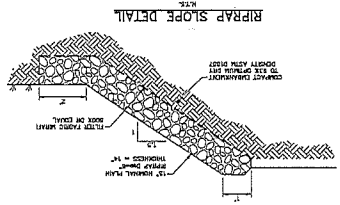
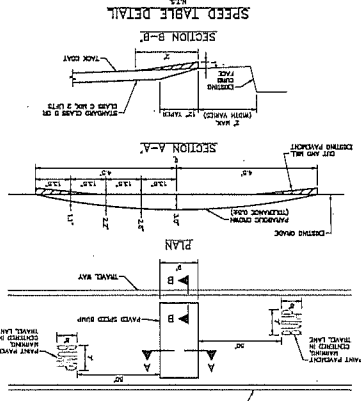
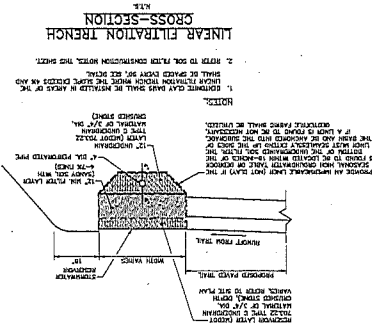
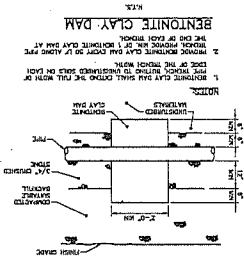
BUILDING EXPANSION - GRADING, DRAINAGE & UTILITIES PLAN

1000 - SYNERGY EAST EXPANSION

009 08/20/2018 09:30:00  
DATE: 08/20/2018  
SCALE: 1" = 20'  
SHEET: 11 OF 20

C-302





**SPECIFICATIONS FOR FILTER LAYER**

SIZE #	% PASSING BY WEIGHT
10	100-100
20	100-100
40	100-100
60	100-100
80	100-100
100	100-100

**SPECIFICATIONS FOR TORQUE**

SIZE #	% PASSING BY WEIGHT
10	100-100
20	100-100
40	100-100
60	100-100
80	100-100
100	100-100

**SOIL FILTER CONSTRUCTION NOTES:**  
 1. THE SOIL FILTER SHALL BE CONSTRUCTED AS SHOWN IN THIS DETAIL.  
 2. THE FILTER SHALL BE CONSTRUCTED WITH A FILTER FABRIC OF 12" THICKNESS.  
 3. THE FILTER SHALL BE CONSTRUCTED WITH A RIPRAP FILTER OF 12" THICKNESS.  
 4. THE FILTER SHALL BE CONSTRUCTED WITH A CONCRETE LINING OF 12" THICKNESS.  
 5. THE FILTER SHALL BE CONSTRUCTED WITH A SEDIMENT FOREBAY OF 12" THICKNESS.

**CONSTRUCTION NOTES:**  
 1. THE CONSTRUCTION SHALL BE CONDUCTED AS SHOWN IN THIS DETAIL.  
 2. THE CONSTRUCTION SHALL BE CONDUCTED WITH A CONCRETE OF 12" THICKNESS.  
 3. THE CONSTRUCTION SHALL BE CONDUCTED WITH A RIPRAP FILTER OF 12" THICKNESS.  
 4. THE CONSTRUCTION SHALL BE CONDUCTED WITH A FILTER FABRIC OF 12" THICKNESS.  
 5. THE CONSTRUCTION SHALL BE CONDUCTED WITH A SEDIMENT FOREBAY OF 12" THICKNESS.

NOT FOR CONSTRUCTION

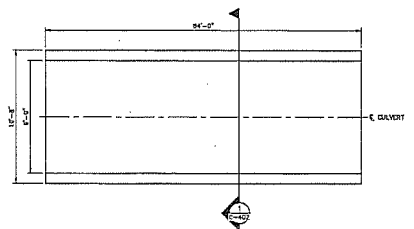
C-401

INDEX  
 SHEET NO. 22  
 WESTERN, N.E. TRENZ  
 BOX - SNEBENT EAST EXPANSION

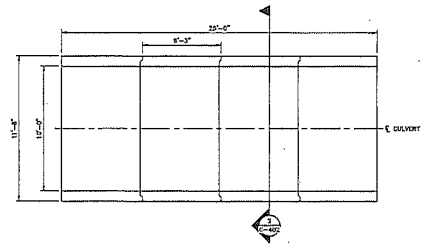
CIVIL DETAILS - 2

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	10/15/2010
2	ISSUED FOR CONSTRUCTION	10/15/2010
3	ISSUED FOR CONSTRUCTION	10/15/2010
4	ISSUED FOR CONSTRUCTION	10/15/2010
5	ISSUED FOR CONSTRUCTION	10/15/2010
6	ISSUED FOR CONSTRUCTION	10/15/2010
7	ISSUED FOR CONSTRUCTION	10/15/2010
8	ISSUED FOR CONSTRUCTION	10/15/2010
9	ISSUED FOR CONSTRUCTION	10/15/2010
10	ISSUED FOR CONSTRUCTION	10/15/2010

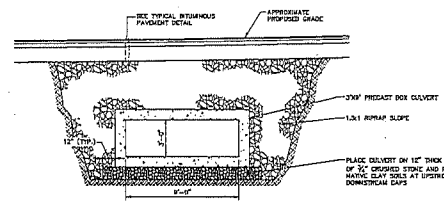
4100000000  
 PROJECT NO. 10-10-10-10  
 CONTRACT NO. 10-10-10-10  
 DRAWING NO. 10-10-10-10  
 SHEET NO. 10-10-10-10



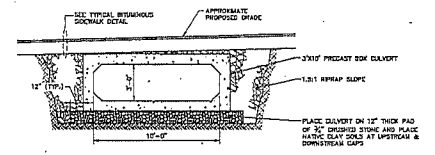
BOX CULVERT #1 LAYOUT (PLAN VIEW)  
N.T.S.



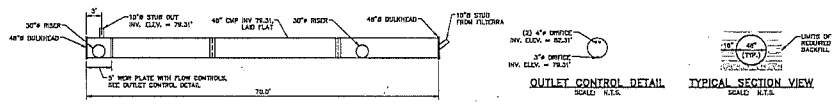
BOX CULVERT #2 LAYOUT (PLAN VIEW)  
N.T.S.



BOX CULVERT #1 CROSS SECTION  
N.T.S.

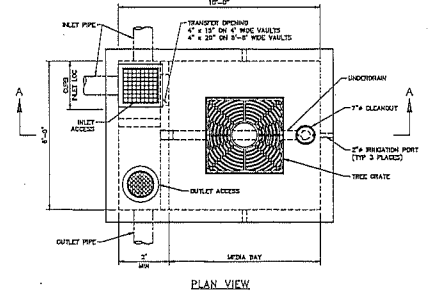


BOX CULVERT #2 CROSS SECTION  
N.T.S.

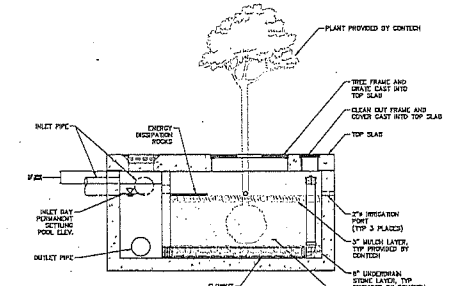


- NOTES:
1. ALL RISER AND STAB DIMENSIONS ARE TO CENTERLINE
  2. CONTRACTOR TO PROVIDE ANTI-FLUTTER CALCULATIONS FOR ALL SURFACE DRAINAGE STRUCTURES.

48" CMP DETENTION SYSTEM 4  
SCALE N.T.S.

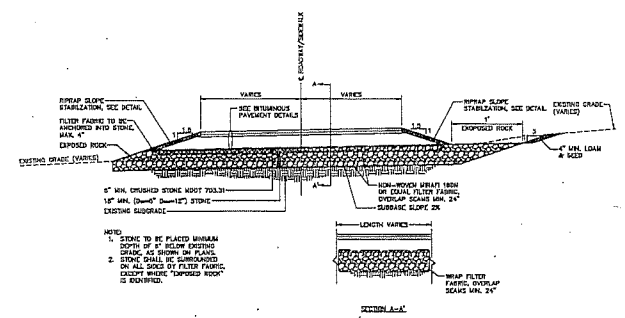


PLAN VIEW



SECTION A-A

FILTERRA PEAK DIVERSION (FTPD0608-D) DETAIL  
SCALE N.T.S.



ROCK SANDWICH DETAIL  
SCALE N.T.S.

- NOTE:
1. STONE TO BE PLACED MINIMUM 20% OF 1/2\"/>

NOT FOR CONSTRUCTION

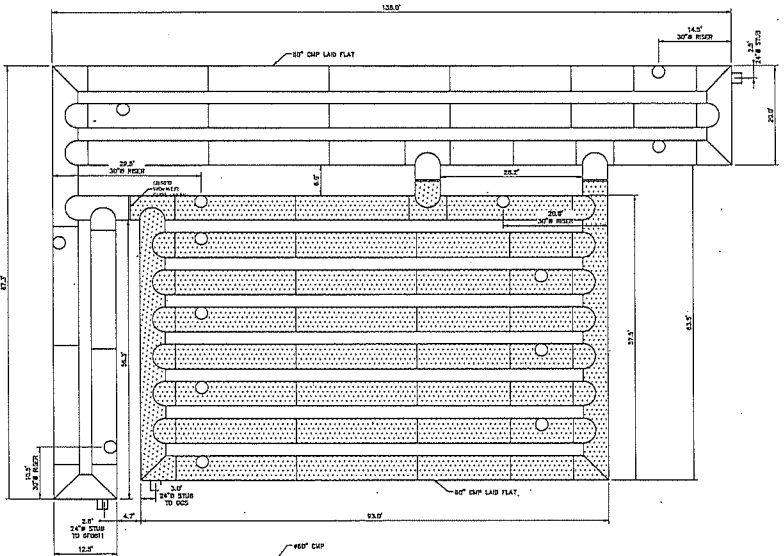
47 Milledale Drive  
Parsippany, NJ 07054  
WWW.COURTNEY-CORRAN.COM  
CONTRACT & ARCHITECT ENGINEER  
COURTNEY CORRAN  
REGISTERED PROFESSIONAL ENGINEER  
NO. 35228  
STATE OF NEW JERSEY  
EXPIRES 12/31/2024



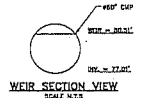
NO.	DATE	DESCRIPTION	SCALE	BY	CHECKED BY

CIVIL DETAILS - 3  
INDEX - SHERIDY EAST EXPANSION

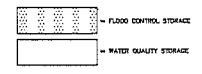




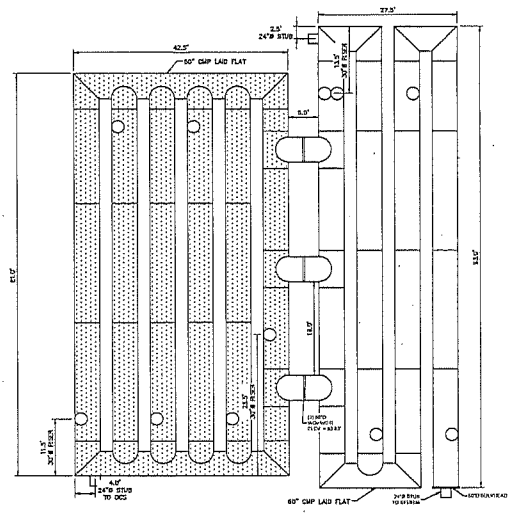
**NOTES:**  
 1. ALL RISE AND STEP DIMENSIONS ARE TO CENTERLINE  
 2. CONTRACTOR TO PROVIDE ANTI-FLOTTATION CALCULATIONS FOR ALL SUBSURFACE DRAINAGE STRUCTURES.



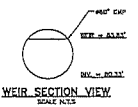
**CMP DETENTION SYSTEM 2**  
SCALE: N.T.S.



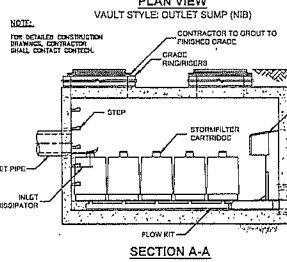
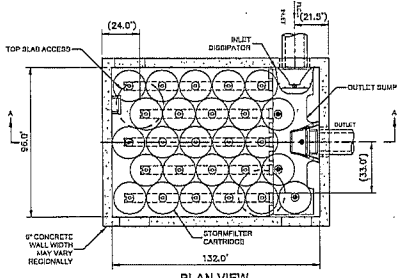
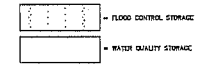
**TYPICAL SECTION VIEW**  
SCALE: N.T.S.



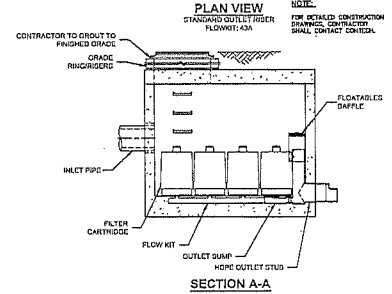
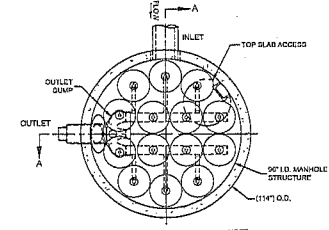
**NOTES:**  
 1. ALL RISE AND STEP DIMENSIONS ARE TO CENTERLINE  
 2. CONTRACTOR TO PROVIDE ANTI-FLOTTATION CALCULATIONS FOR ALL SUBSURFACE DRAINAGE STRUCTURES.



**CMP DETENTION SYSTEM 3**  
SCALE: N.T.S.



**DETENTION SYSTEM 2**  
**SEF0811 STORMFILTER PLAN AND SECTION**  
SCALE: N.T.S.



**DETENTION SYSTEM 3**  
**SEMH96 STORMFILTER PLAN AND SECTION**  
SCALE: N.T.S.



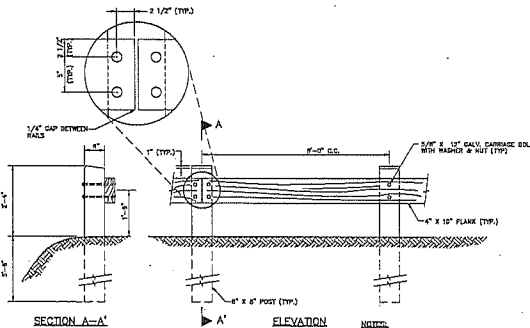
NO.	REVISION	DATE	BY	CHKD.

CIVIL DETAILS - 5

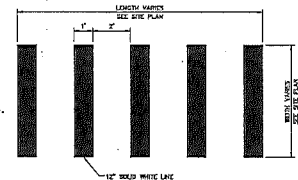
DESIGNED BY: JRG  
 DRAWN BY: JRG  
 CHECKED BY: JRG  
 IN CHARGE: JRG  
 PROJECT: SYMBERY EAST EXPANSION

DATE: JANUARY 2024  
 SCALE: 1" = 20'  
 SHEET: 18 OF 25

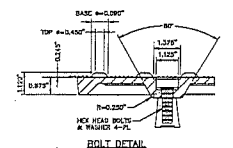
**NOT FOR CONSTRUCTION**



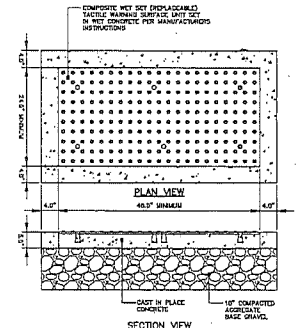
**WOOD GUARDRAIL**  
N.T.S.



**CROSS WALK STRIPING DETAIL**  
N.T.S.

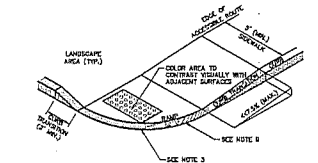


**BOLT DETAIL**



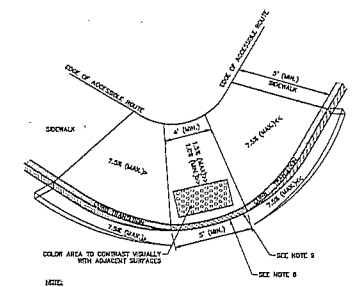
**SIDEWALK RAMP DETECTABLE WARNING**  
N.T.S.

- NOTE:**
1. EQUIPMENT SET SET (EQUIPPABLE) DETECTABLE WARNING PANELS SHALL BE AS MANUFACTURED BY ADA MATERIALS, INC. (EQUIPPABLE) OR APPROVED EQUAL.
  2. SET IN PLACE CONCRETE SHALL MEET SPECIFICATIONS FOR HIGH-QUALITY, CLASS A PORTLAND CONCRETE. MINIMUM COMPRESSIVE STRENGTH SHALL BE 4,000 PSI. SET CONCRETE SHALL BE MOVED PRIOR TO
  3. TRANCHING SHOULDER SHALL BE ALIGNED IN PIONEER PARALLEL AND CONFORM TO THE PROVISIONS OF THE FEDERAL AID TO INTERSTATE AND DEFENSE HIGHWAY CONSTRUCTION ACT.
  4. FOR ALL DETECTABLE WARNING PANELS, FULFILL MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  5. SET THE DETECTABLE WARNING PANELS SHALL BE SET IN PLACE WITHIN 14 DAYS OF THE PROVISION OF THE CURB. THE CURB SHALL BE SET WITHIN 14 DAYS OF THE PROVISION OF THE CURB. THE CURB SHALL BE SET WITHIN 14 DAYS OF THE PROVISION OF THE CURB.
  6. EQUIPMENT SET SET (EQUIPPABLE) DETECTABLE WARNING PANELS SHALL BE SET IN PLACE WITHIN 14 DAYS OF THE PROVISION OF THE CURB. THE CURB SHALL BE SET WITHIN 14 DAYS OF THE PROVISION OF THE CURB.



**ACCESSIBLE CURB RAMP (ACR) - TYPE 'E'**  
NOT TO SCALE

- NOTE:**
1. THE MAXIMUM ALLOWABLE SLOPE AND CURB RAMP CROSS SLOPES SHALL BE 1:8 (12.5%)
  2. BASE OF RAMP SHALL BE GRADUATED TO PREVENT POHOING.
  3. ADJACENT SURFACES AT TRANCHING SHALL BE FLUSH WITH CURB RAMP.
  4. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
  5. ELABORATE ALL CURBS AT RAMP (OTHER THAN VERTICAL CURBS), WHICH SHALL BE SET FLUSH WITH THE ADJUT ROADWAY OR OTHER SURFACE.
  6. DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJUTING SURFACES.
  7. TRANCHING SHOULDER AND ALL RELATED INSTALLED SURFACES TO BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. ALL DETECTABLE WARNING SURFACE INSTALLATIONS SHALL BE AT A MINIMUM AT LEAST AS HIGH AS THE SURROUNDING FOOTWALK SURFACES.



**ACCESSIBLE CURB RAMP (ACR) - TYPE 'I'**  
NOT TO SCALE

111 Main Street  
Farmingdale, NY 11735  
www.woodcraft.com

WOOD CRAFT  
CONTRACT & INSTALLATION

NO.	DESCRIPTION	DATE	BY	CHECKED BY

CIVIL DETAILS - 6

DBXX  
ONE DEXX DRIVE  
WESTBOROUGH, MA 01581

DBXX - STRENGTH EAST EXPANSION

DATE: 01/15/2024  
SCALE: 1/8\"/>

C-405

NOT FOR CONSTRUCTION



