APPROVED – January 28, 2019

Town of Medway
DESIGN REVIEW COMMITTEE
155 Village Street, Medway MA 02053
(508) 533-3291

Matthew Buckley, Chair
Rachel Walsh, Vice-Chair
Jessica Chabot, Member
Dan Connolly, Member
Tom Gay, Member
Seth Kendall, Member
Rachel Wolff Lander, Member

DRC Meeting Minutes: January 07, 2019

Medway Public Library

Call to Order: – With a quorum present, this meeting was called to order by Chair Mr. Buckley at 7:01 p.m.

Attendees:

	01/07/2019			
Matthew Buckley	X			
Rich Di Iulio	-			
Jessica Chabot	X			
Tom Gay	X			
Rachel Walsh	X			
Dan Connolly	X			
Seth Kendall	X			
Rachel Wolff Lander	ABSENT WITH NOTICE			

Also Present:

- Susy Affleck-Childs, Planning and Economic Development Coordinator
- Sreelatha Allam, Recording Secretary
- Bill Hogan, Hogan Tires
- DPS Director Dave D'Amico; Engineer Peter Glick of Symmes, Maini & McKee; Architect Gregg Yanchenko of Helene Karl; and Bryan Jarvis of Compass Project Management

Sign Design Review- Hogan Tires, 85 Main Street

- Mr. Buckley apologized to Mr. Hogan about the cancellation of the December DRC meeting.
- Mr. Hogan was at the meeting to discuss the new sign panel insert that was installed in the existing free-standing, monument sign and proposed new façade signage for Hogan Tires. (**See Attached**) The free-standing monument sign is non-conforming (height, sign surface area and illumination). It is a grandfathered sign. The sign is 12' high and the current allowable maximum height is 8' for this type of sign in the Central Business zoning district. The monument sign is internally illuminated. Members indicated that any future changes to the sign should be presented and discussed with the DRC. Primary

colors on the sign are green, orange, and white; these are the corporate colors for Hogan Tires.

- Considering the height of the sign, members recommended adding some landscaping around the base of the sign as required by the sign provisions of the Zoning Bylaw. Mr. Hogan was amenable to the idea. Different varieties of evergreens were suggested for plantings around the sign.
- There was discussion on the light fixture on the side of the sign post that illuminates the parking area in front of the building. Mr. Buckley asked if the fixture is required for that space. Mr. Hogan said the parking spaces in the front will be in the dark without the light as there is no other light form in the vicinity.
- Ms. Walsh suggested painting the sign frame and the poles around the sign in black color instead of the existing blue color used by the previous occupant, Long Distance Tire. She said it will be a good contrast to the sign. Mr. Hogan agreed with that recommendation.
- A letter of recommendation will be written and sent to the applicant and the Building Inspector. The sign permit is issued by the Building Department.
- There was some discussion on improving the façade of the building. Mr. Hogan indicated he expects to make some changes to the façade. He said any changes to the façade will be made after consulting with an architect. Members recommended keeping the colors consistent. Ms. Affleck-Childs noted that a façade change would need to be handled under Administrative Site Plan Review. The DRC offered its help to review design concepts.

Site Plan Review- Medway DPS Building, 46 Broad Street-

Present: DPS Director Dave D'Amico; Engineer Peter Glick of Symmes, Maini & McKee; Architect Gregg Yanchenko of Helene Karl; and Bryan Jarvis of Compass Project Management

- This project was initially presented and discussed at the December 3, 2018 DRC meeting. Changes made to the plans after the last meeting were discussed. The stormwater and utilities design are different and have been advanced. The existing salt storage building is in poor condition and needs to be replaced. The proposed salt storage building is about 35' high with a dimension of 90'x50'. The location of that building is on the back of the hill.
- There was some discussion on impacts on the abutters with the height of the salt storage building. Members enquired if the abutters have been informed about the project and the draft design. Different buffer options were discussed.
- The proposed building is being designed as a "Net Zero" building. Additional solar energy panels could be added. Charging stations for electric vehicles will be part of this project.
- A portion of the existing DPS garage will be repurposed for seasonal storage; the remaining portion will be demolished.

- Most of the disturbed area will be loamed and seeded. The hillside will be vegetated. Two trees will be planted in front of the building.
- Ms. Affleck-Childs said the PEDB public hearing for the project will begin tomorrow (January 8, 2019).
- The project team noted that they had informally presented the project to CONCOM and Planning Board.
- The Town's goal is to advertise the project for bidding in the spring.

Meeting Minutes:

12/03/2018: DRC members reviewed the draft minutes and made few edits/corrections.
A motion was made by Mr. Buckley seconded by Ms. Walsh to approve the minutes of the 12/03/18 DRC meeting as amended. All were in favor.

Other Business

Fiscal Year 2020 budget- Any Requests?

- Town started the budget process for FY2020 (starts July 1st, 2019). Ms. Affleck- Childs said the budget process has begun and asked the members of any projects/items that should be included in the draft list.
- There was discussion on going on field trips to attend design related workshops, lecture series, etc. Ms. Affleck-Childs said funding for such activities can come from the planning board.
- Members said there aren't any specific project/budget requests from DRC at this time.

Next Steps on Community Message Board Sign - Preparation of message templates

- Mr. Buckley said he spoke with Town Administration Michael Boynton about the community message board signs today.
- Discussion included having a usage policy and application process for the community message board sign.
- Ms. Affleck-Childs will reach out to Mr. D'Amico to check on the current status of procuring software for the community message board signs.
- There was discussion on business owner/sponsorship information space on the message board sign.
- Ms. Affleck-Childs reminded members that guidelines should be developed for the community message board sign and a set of templates is to be developed. Members briefly discussed what should be included in a draft policy like the duration, frequency, etc. Ms. Affleck-Childs said the guidelines/policy shall be adopted by the BOS. As a sample for format, she will share the existing policy/guidelines that had been adopted several years ago for the "across Main Street" banners.

Discuss DRC web page

- There was discussion on the existing content and ideas to add more content to the DRC webpage.
- Discussion ensued on displaying images/ renderings of businesses in town as an option such as façade improvements and sign designs. The pros and cons of including such on the DRC web site were discussed.

Review of FY19 DRC priorities and projects-

- Members discussed that the APA (American Planning Association) guidebook on design review guidelines should be read and discussed. Ms. Affleck-Childs will share the information again and the comments will be discussed in detail at the March 4th, 2019 DRC meeting. Chapters were assigned among members for reading and presentation as follows:
  - Dan Connolly - Section 1
  - Jess Chabot - Section 2
  - Rachel Walsh - Section 3
  - Matt Buckley - Section 4
  - Tom Gay - Section 5
  - Seth Kendall - Section 6
- Members reviewed the FY 19 Priorities and Projects spreadsheet. Rachel Walsh will start to work on the Architectural Scavenger Hunt idea.

Identification of possible sign violations to report to building Commissioner-

- Members discussed a new sign at the Senior Center that's been installed at its new curb cut from Oakland Street without any discussion with the DRC.
- There was discussion on handling signs when a business closes or moves. Members talked about the Town reaching out to the business owners about removing the signs within 30 days of closing/ moving the business.

Other Reports

- During Mr. Buckley's conversation with Michael Boynton today, Mr. Boynton indicated that Barbara Saint Andre, Director of Community and Economic Development, will be establishing a task force to develop a banner program for the new Main Street light poles. Mr. Boynton indicted that the Medway Business Council will also be involved. Mr. Buckley talked about the DRC getting involved in the discussions with the task force. Dan Connolly offered to participate on behalf of the DRC and will reach out to Ms. Saint Andre. Mr. Buckley stated that the legality of establishing the format for business sponsorship on the banner signs should be explored. Members talked about keeping consistency with the banners throughout the town.

- Salmon Community Senior Living Project was briefly discussed. Ms. Affleck-Childs said an abutter list of 1500 people was generated and provided to the project team. Abutters have been informed about the commencement of the project. Weekly project updates will be provided on the Town's web page.
- Medway Building Commissioner Jack Mee will be attending the February 25th, 2019 DRC meeting.

Adjournment

With no further business before this committee, a motion was made by Mr. Buckley, seconded by Ms. Chabot to adjourn the meeting. The motion was unanimously approved.

The meeting was adjourned at 9:25 p.m.

Respectfully Submitted,

Sreelatha Allam

DRC Sign Design Review
Planning and Economic Development Office Comments
December 13, 2018

Business Name: Hogan Tire & Auto
https://www.hogantire.com/

Business Owner: Ed & Bill Hogan

Sign Location Address: 85 Main Street (former site of Direct Tire)

Zoning District: Central Business

Sign Company: SignVerse – Stoneham, MA

Proposed Signs:

1. Wall sign on south façade facing Main Street

	Proposed	Allowed by Bylaw
Sign Surface Area	4' x 12.5' = 50 sq. ft.	50 sq. ft. (width of building frontage)
Sign Height	Not applicable	Not applicable
Illumination	Internal	Internal and External

2. Free-standing Sign

	Pre-Existing, Non-Conforming	Proposed	Allowed by Bylaw
Sign Surface Area	52" x 97" = 35 sq. ft. x 2 sides = 70 sq. ft.	52" x 97" = 35 sq. ft. x 2 sides = 70 sq. ft.	48 sq. ft. for a 2 sided sign
Maximum Sign Height	12'	12'	8'
Minimum Setback from Street	???	???	10'
Illumination	Internal	Internal	External

Comments:

Wall Sign

1. Information provided with the application shows the removal of three tire product signs on the upper portions of the south façade. Yay!!
2. Applicant should clean the front facade to remove shadowing left over from previous signs. It also appears that there are 2 light fixtures that could be removed.
3. This would be a good opportunity to speak with the owners about making some modest improvements to the building façade. What ideas can you offer?

Free-Standing Sign

1. Applicant is inserting a new sign panel into a pre-existing, non-conforming sign. At the street, the sign is 11' high and it has 35 sq. ft. of sign surface area per side.

2. Setback?? I emailed the sign company on 12/13 and asked for a plot plan showing the location on the site. The sign company is working on that.

3. If the sign panel had not already been installed and this sign design was proposed, I believe we would might advise them to not have a large, white glowing sign and consider reversing out the colors so that “Hogan” would come through in white against an opaque green background.

4. The sign posts could be repainted from blue to a matching green.

5. Landscaping is required around the base of free-standing signs 3’ in all directions. A landscaping plan has been provided but it does not include much detail. As there are 7’ from the ground to the bottom of the sign, there is plenty of room for a well-designed landscaped treatment.

RECEIVED
DEC 13 2018
PLANNING

Medway Design Review Committee (DRC)

Application for Sign Design Review

Medway Location/Address *where the sign will be installed:* 85 main street

What is the interior width of the store/business that faces the street or parking lot: 50'

Building/Development Name: *(if applicable):* –

Medway Zoning District: Central Business

Applicable Sign Standard Table *(from Medway Zoning Bylaw)* **Table #** 5.

Applicant Information *(Local Medway business establishment where the sign is to be installed)*

Business Name: Hogan tire

Mailing Address: 408 washington street
Woburn, MA 01801

Contact person: Ed & Bill Hogan

Phone: 508-843-1010 Cell Phone _____

Email address: mf@hogantire.com and bh@hogantire.com

Type of Proposed Signs – For sign definitions, refer to *Medway Zoning Bylaw (Section 7.2 Signs Regulation).* The *Medway Zoning Bylaw* is available online at: www.townofmedway.org.

Type of Sign	# of Signs	Signs Dimensions	Total Square Footage of Sign Surface Area	Sign Height	Type of Illumination (internal, external or none)
Wall/Façade Sign	1	4' x 12.5'	50	4'	internal
Free-standing Individual Business Sign	1	52"x 97"	35 ft x 2 = 70 ft	52"	internal
Free-standing Multi-Tenant Development Sign					
Awning Sign					
Projecting Sign					
Directory Sign					
Window Sign					
Other Type of Sign (Describe)					

pre-existing pylon sign

Attach the following items to this form. pdf format is requested for the application form and all attachments. Please email application and documents to sachilds@townofmedway.org

✓ 1. Manufacturer's scaled COLOR drawing with dimensions and DETAILED specifications for materials and illumination.

✓ 2. For a wall sign, a scaled image showing the sign's position on the building.

pylon sign was pre-existing
___ 3. Landscaping Plan and Plot Plan marked with location of the free-standing sign and distances from street/lot lines.

✓ 4. Color photograph(s) of building/location(s) where sign will be installed and existing signs.

✓ 5. Color drawing of corporate logo *(if applicable)*.

✓ 6. Color photograph of similar/comparable sign on which your sign design is based.

✓ 7. A letter or other descriptive or explanatory information you want to provide to the DRC.

Does this application pertain to a completely new sign?
✓ Yes ____ No *(If NO, please include photos/info of the existing sign you are modifying)*

Does this application pertain to a replacement panel for an existing sign structure?
✓ Yes *(If yes, please include photos/info of the existing sign)* ____ No

If the business is located in a multi-tenant development, is there a Master Sign Plan for the development?
____ Yes ✓ No ____ Don't Know

Does your lease require the property owner's approval of your sign?
____ Yes ✓ No ✓ Not applicable

Sign Designer/Fabricator/Installer Information

Company Name: SIGNVERSE
Mailing Address: 24 Spencer street, Stoneham, MA 02180
Contact person: Drew Juliano
Phone: 781-438-5180 Cell Phone: ____
Email address: drew@signverse.com + billing@signverse.com

Property Owner Information

Company Name: Hogan tire
Mailing Address: 408 Washington street, Woburn, MA 01801
Contact person: Ed + Bill Hogan
Phone: 508-843-1010 Cell Phone: ____
Email address: mf@hogantire.com and bh@hogantire.com

Proposed sign designs are reviewed by the Medway Design Review Committee (DRC).
The business owner and sign designer/fabricator must attend the DRC meeting.
The DRC generally meets on the first & third Monday night of each month at 7 p.m.
at the Medway Library, 26 High ST.
(DRC meeting agendas are posted at the Town's web page at www.townofmedway.org)

An Application for Sign Design Review and all supporting information must be submitted to the Medway Planning office by 12 noon on the Wednesday before a DRC meeting.

Please submit this application form and all attachments as follows:

Email:	sachilds@townofmedway.org **PREFERRED**
Fax:	508-321-4987
Mail:	Design Review Committee c/o Medway Planning office 155 Village Street, Medway, MA 02053
Drop Off:	Medway Planning office @ Medway Town Hall, 155 Village Street
Phone:	508-533-3291

Applicants and sign designers should read the Sign Guidelines included in the Medway Design Review Guidelines before developing a sign design.

http://www.townofmedway.org/design-review-committee/pages/sign-design-review

Sign designs should be developed in accordance with the *Sign Design Guidelines*.

Date Application Received by Medway Planning office: 12-12-18

Reviewed by Medway Planning Coordinator: 12-13-18 ***DRC Meeting Date:*** 12-17-18

'Hogan' Channel Letters

individual channel letters with black .040 5" deep aluminum returns. With 1" jewelite trim
1/2" alumalite composite letter backs.
3/16" white acrylic faces with green HP translucent vinyl applied.
Oracal 060 dark green
Internally lit with
white international light LED modules
120v power supplies as needed

'Tire & Auto' light box

Fabricated out of black .040 aluminum 5" deep. Frame to be welded out of 1" aluminum angle.
3/16" white acrylic faces with orange HP translucent vinyl applied.
Oracal 380 blood orange
Internally lit with
white international light LED modules
120v power supplies as needed

Letters and light box wil lbe mounted to building as required by town.

SIGNVERSE
24 Spencer St Stoneham, MA
T: 781.438.5280 F:781.438.8823
SIGNVERSE.com

Hogan Tire - Medway, MA

12/12/18

This Drawing is the property of Signverse and can not be reproduced without the permission of Signverse.

Existing

Proposed

Day View

Night View

Existing signage installed by previous building owner
will be removed and Hogan Tire branding installed in place of.
Building store front: 50 ft long.
Sign sqft =50 sqft

SIGNVERSE
24 Spencer St Stoneham, MA
T: 781.438.5280 F:781.438.8823
SIGNVERSE.com

Hogan Tire - Medway, MA

12/12/18

9.5ft
HOGAN
TIRE & AUTO
12ft
7ft

Re-facing of existing internally lit double faced pylon sign

HP Translucent Oracal vinyl applied to White lexan faces

Oracal 060 dark green

Oracal 380 blood orange

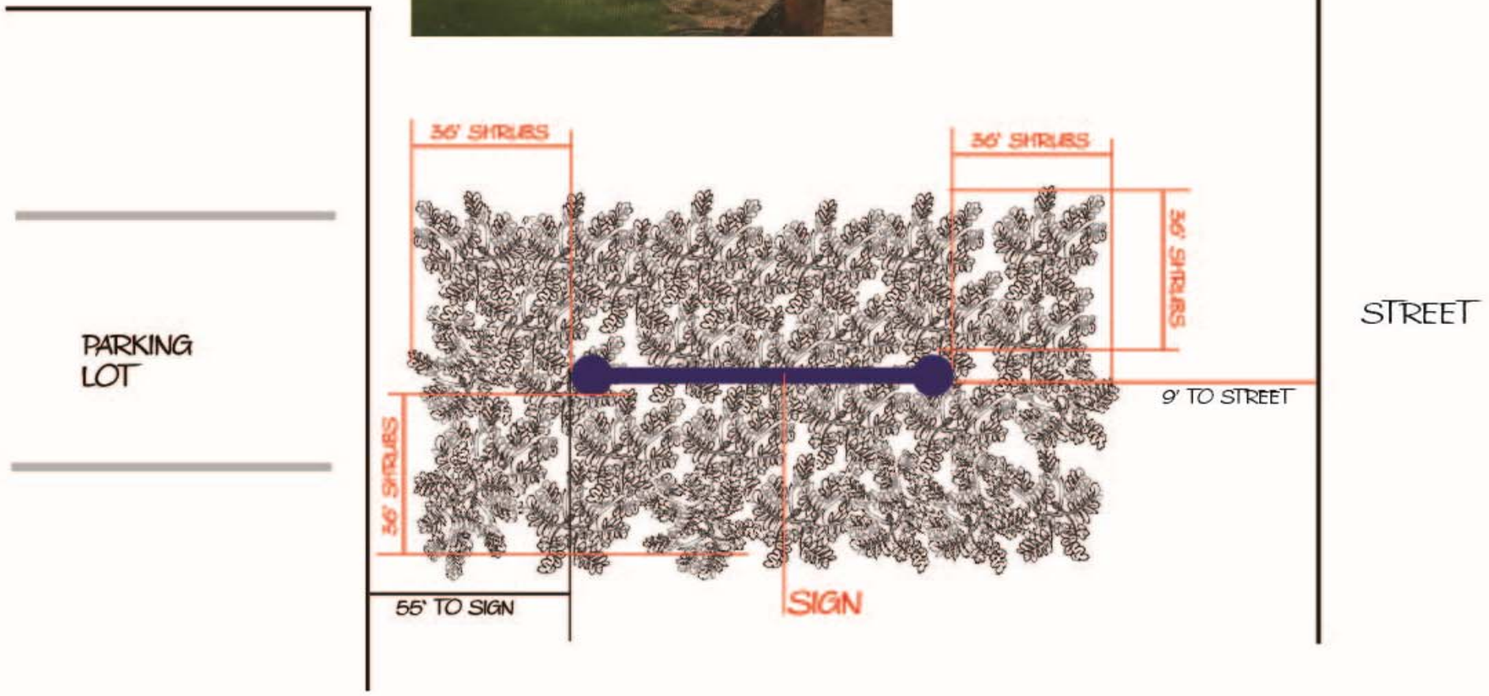
SIGNVERSE
24 Spencer St Stoneham, MA
T: 781.438.5280 F:781.438.8823
SIGNVERSE.COM

Hogan Tire- Medway, MA

12/12/18

This Drawing is the property of Signverse and can not be reproduced without the permission of Signverse.

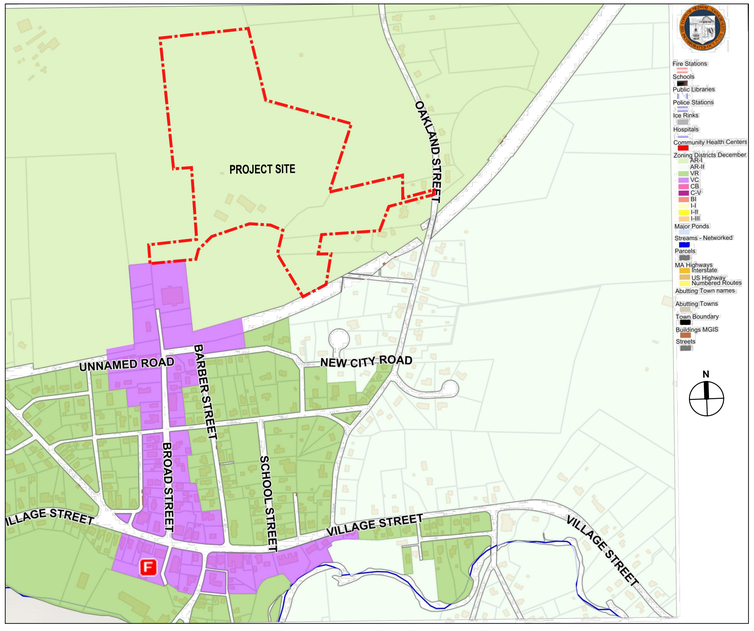
36"
36"
55"
to sign


36' SHRUBS
36' SHRUBS
36' SHRUBS
36' SHRUBS
9' TO STREET
STREET
PARKING LOT
55' TO SIGN
SIGN

HOGAN
TIRE & AUTO
HOGAN
NO

SITE PLANS - NEW DEPARTMENT OF PUBLIC SERVICES BUILDING

MEDWAY NEW DEPARTMENT OF
PUBLIC SERVICES FACILITY
PERSPECTIVE DRAWING



MEDWAY GIS MAP
SCALE: 1"=500'

USGS MAP
SCALE: 1"=2,000'

LIST OF DRAWINGS:

C-001	COVER SHEET
C-100	SITE CONTEXT SHEET (BY SMMA)
C-101	EXISTING CONDITIONS PLAN I (BY SMMA)
C-102	EXISTING CONDITIONS PLAN II (BY SMMA)
C-111	SITE PREPARATION PLAN I (BY SMMA)
C-112	SITE PREPARATION PLAN II (BY SMMA)
C-121	LAYOUT & MATERIALS PLAN (BY SMMA)
C-131	GRADING AND UTILITIES PLAN I (BY SMMA)
C-132	GRADING AND UTILITIES PLAN II (BY SMMA)
C-151	PLANTING PLAN (BY HKA)
C-501	DETAILS I (BY SMMA)
C-502	DETAILS II (BY SMMA)
C-503	DETAILS III (BY SMMA)
C-504	DETAILS IV (BY SMMA)
C-505	DETAILS V (BY SMMA)
C-601	SEWER PROFILE I (BY SMMA)
C-602	SEWER PROFILE II (BY SMMA)
A-101	FIRST FLOOR PLAN (BY HKA)
A-102	SECOND FLOOR PLAN AND LOWER ROOF PLAN (BY HKA)
A-301	EXTERIOR ELEVATIONS SHEET 1 (BY HKA)
A-302	EXTERIOR ELEVATIONS SHEET 2 (BY HKA)
A-303	RENDERINGS (BY HKA)
SL-1	LIGHTING, LAYOUTS & SCHEDULE (SK & ASSOCIATES)

P:\2018\18043\BIM\tcs\C-001 COVER SHEET.dwg 12/20/2018 3:11:11 PM

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL
CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	AS NOTED
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

SHEET TITLE:
COVER SHEET

DRAWING NO.
C-001

N

LEGEND	
AR-I	AGRICULTURAL RESIDENTIAL I
AR-II	AGRICULTURAL RESIDENTIAL II
VC	VILLAGE COMMERCIAL
VR	VILLAGE RESIDENTIAL
	2,000' RADIUS
	ZONING BOUNDS
	SCENIC ROAD
	PROPERTY LINE

GRAPHIC SCALE

300 0 150 300 600 1200

(IN FEET)
1 inch = 300 ft.

P:\2018\18043\BIM\clcs\C-100 SITE CONTEXT SHEET.dwg 12/20/2018 2:30:42 PM

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

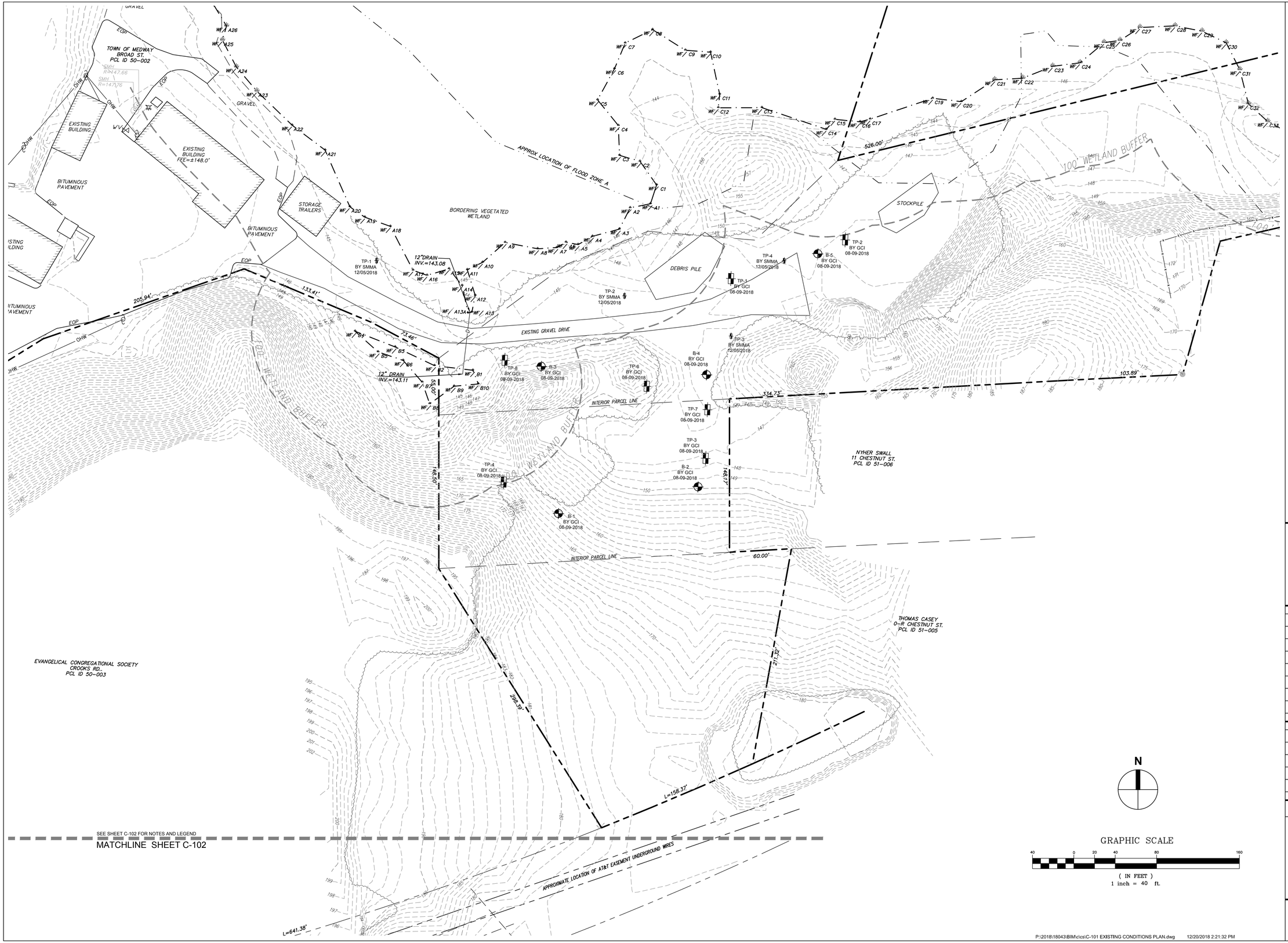
REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

SHEET TITLE:
SITE CONTEXT SHEET

DRAWING NO.
C-100



TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1" = 40'
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

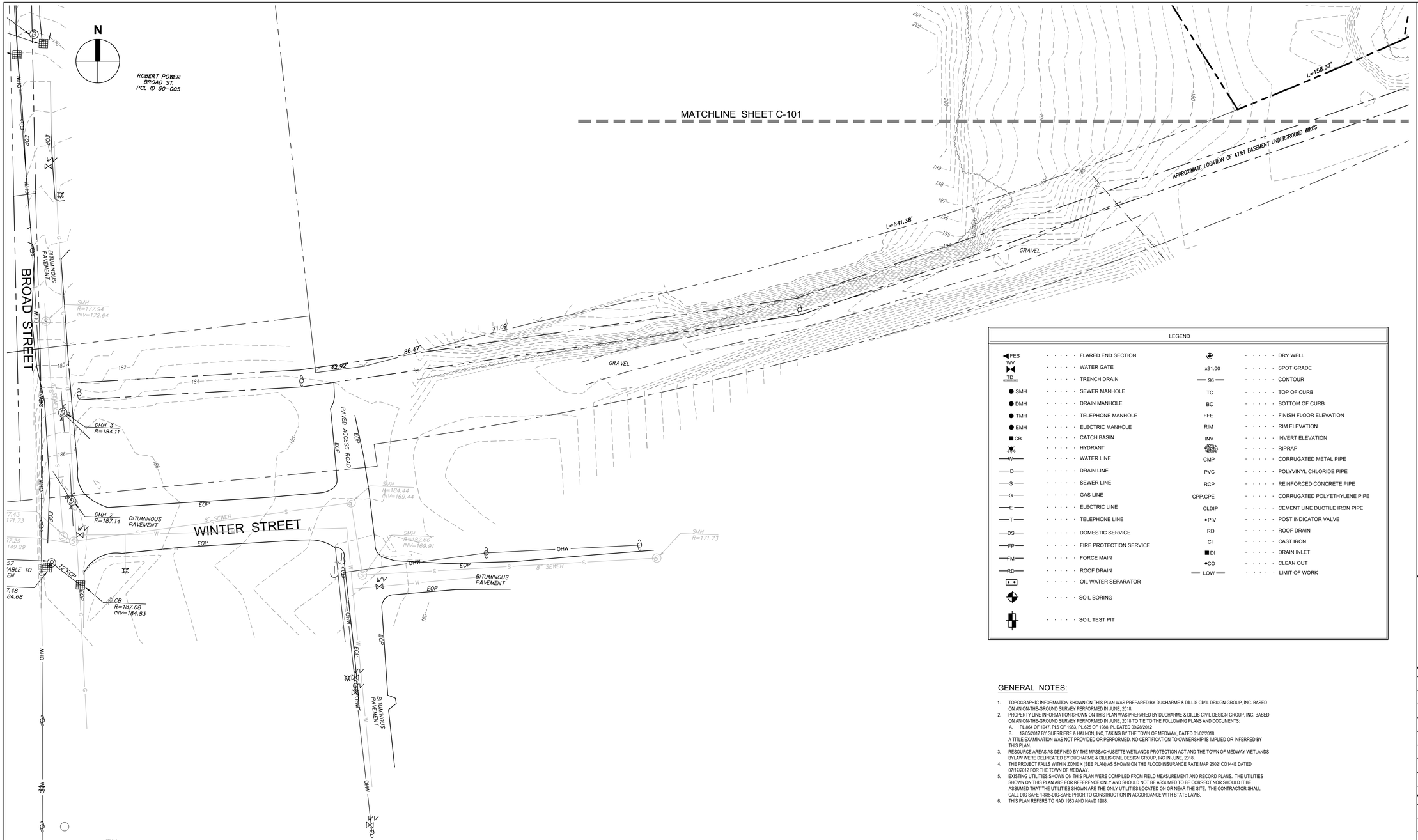
BUILDING:

SHEET TITLE:

EXISTING CONDITIONS PLAN I

DRAWING NO.

C-101



LEGEND

FES	FLARED END SECTION		DRY WELL
WV	WATER GATE	x91.00	SPOT GRADE
TD	TRENCH DRAIN	96	CONTOUR
SMH	SEWER MANHOLE	TC	TOP OF CURB
DMH	DRAIN MANHOLE	BC	BOTTOM OF CURB
TMH	TELEPHONE MANHOLE	FFE	FINISH FLOOR ELEVATION
EMH	ELECTRIC MANHOLE	RIM	RIM ELEVATION
CB	CATCH BASIN	INV	INVERT ELEVATION
	HYDRANT	RIPRAP	RIPRAP
W	WATER LINE	CMP	CORRUGATED METAL PIPE
D	DRAIN LINE	PVC	POLYVINYL CHLORIDE PIPE
S	SEWER LINE	RCP	REINFORCED CONCRETE PIPE
G	GAS LINE	CPP,CPE	CORRUGATED POLYETHYLENE PIPE
E	ELECTRIC LINE	CLDIP	CEMENT LINE DUCTILE IRON PIPE
T	TELEPHONE LINE	•PIV	POST INDICATOR VALVE
DS	DOMESTIC SERVICE	RD	ROOF DRAIN
FP	FIRE PROTECTION SERVICE	CI	CAST IRON
FM	FORCE MAIN	DI	DRAIN INLET
RD	ROOF DRAIN	•CO	CLEAN OUT
	OIL WATER SEPARATOR	LOW	LIMIT OF WORK
	SOIL BORING		
	SOIL TEST PIT		

GENERAL NOTES:

1. TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN WAS PREPARED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC. BASED ON AN ON-THE-GROUND SURVEY PERFORMED IN JUNE, 2018.
2. PROPERTY LINE INFORMATION SHOWN ON THIS PLAN WAS PREPARED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC. BASED ON AN ON-THE-GROUND SURVEY PERFORMED IN JUNE, 2018 TO TIE TO THE FOLLOWING PLANS AND DOCUMENTS:
   A. PL.864 OF 1947, PL6 OF 1983, PL.625 OF 1988, PL.,DATED 09/28/2012
   B. 12/05/2017 BY GUERRIERE & HALNON, INC, TAKING BY THE TOWN OF MEDWAY, DATED 01/02/2018
   A TITLE EXAMINATION WAS NOT PROVIDED OR PERFORMED. NO CERTIFICATION TO OWNERSHIP IS IMPLIED OR INFERRED BY THIS PLAN.
3. RESOURCE AREAS AS DEFINED BY THE MASSACHUSETTS WETLANDS PROTECTION ACT AND THE TOWN OF MEDWAY WETLANDS BYLAW WERE DELINEATED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC IN JUNE, 2018.
4. THE PROJECT FALLS WITHIN ZONE X (SEE PLAN) AS SHOWN ON THE FLOOD INSURANCE RATE MAP 25021C0144E DATED 07/17/2012 FOR THE TOWN OF MEDWAY.
5. EXISTING UTILITIES SHOWN ON THIS PLAN WERE COMPILED FROM FIELD MEASUREMENT AND RECORD PLANS. THE UTILITIES SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY AND SHOULD NOT BE ASSUMED TO BE CORRECT NOR SHOULD IT BE ASSUMED THAT THE UTILITIES SHOWN ARE THE ONLY UTILITIES LOCATED ON OR NEAR THE SITE. THE CONTRACTOR SHALL CALL DIG SAFE 1-888-DIG-SAFE PRIOR TO CONSTRUCTION IN ACCORDANCE WITH STATE LAWS.
6. THIS PLAN REFERS TO NAD 1983 AND NAVD 1988.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

P:\2018\18043\BIM\cis\C-101 EXISTING CONDITIONS PLAN.dwg 12/20/2018 2:22:04 PM

THE TOWN OF MEDWAY MASSACHUSETTS INCORPORATED OCT 25 1713

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1" = 40'
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

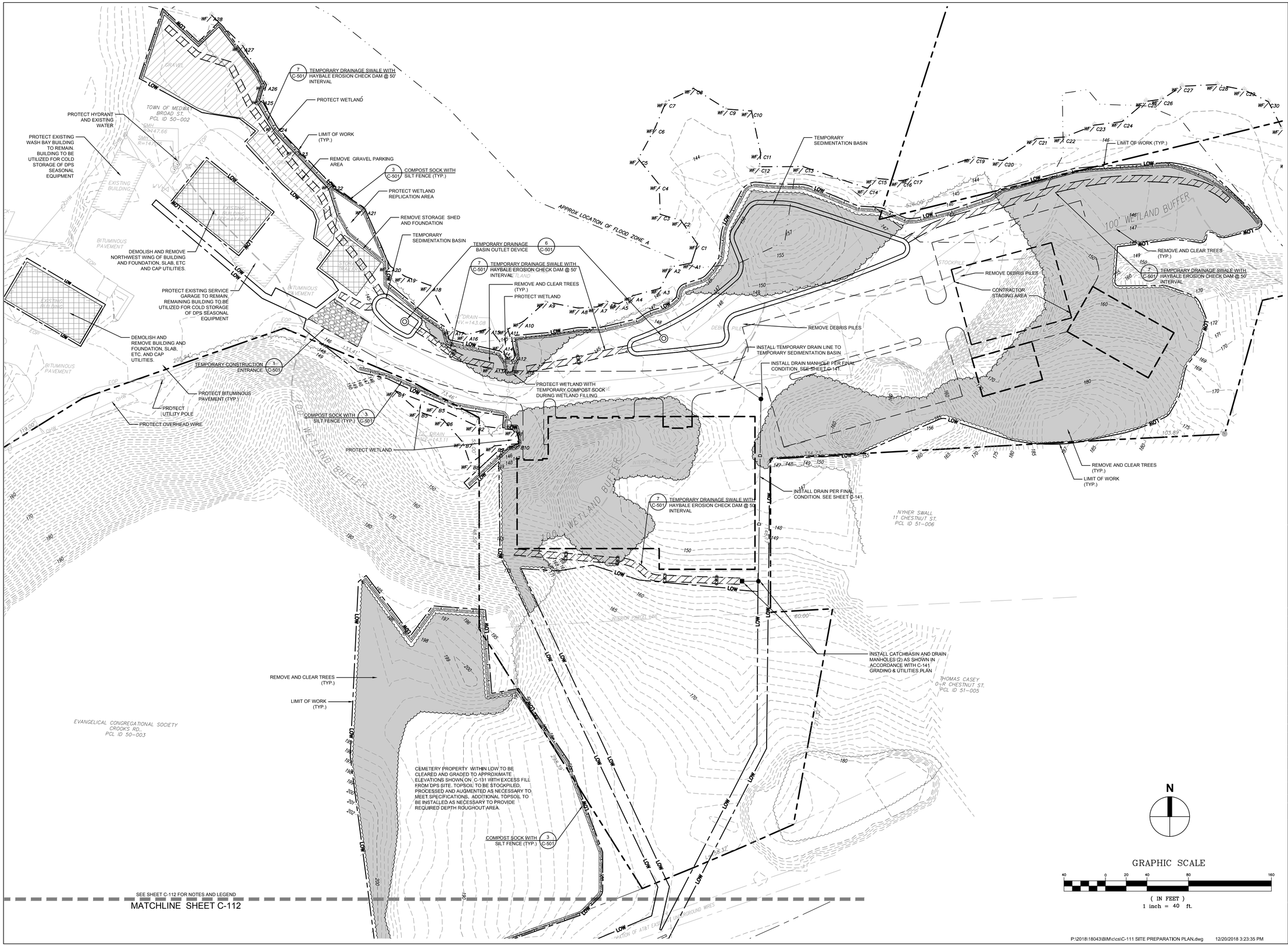
BUILDING:

SHEET TITLE:

EXISTING CONDITIONS PLAN II

DRAWING NO.

C-102



P:\2018\18043\BIM\c\cs\C-111 SITE PREPARATION PLAN.dwg 12/20/2018 3:23:35 PM

THE TOWN OF MEDWAY MASSACHUSETTS INCORPORATED OCT 25 1713

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

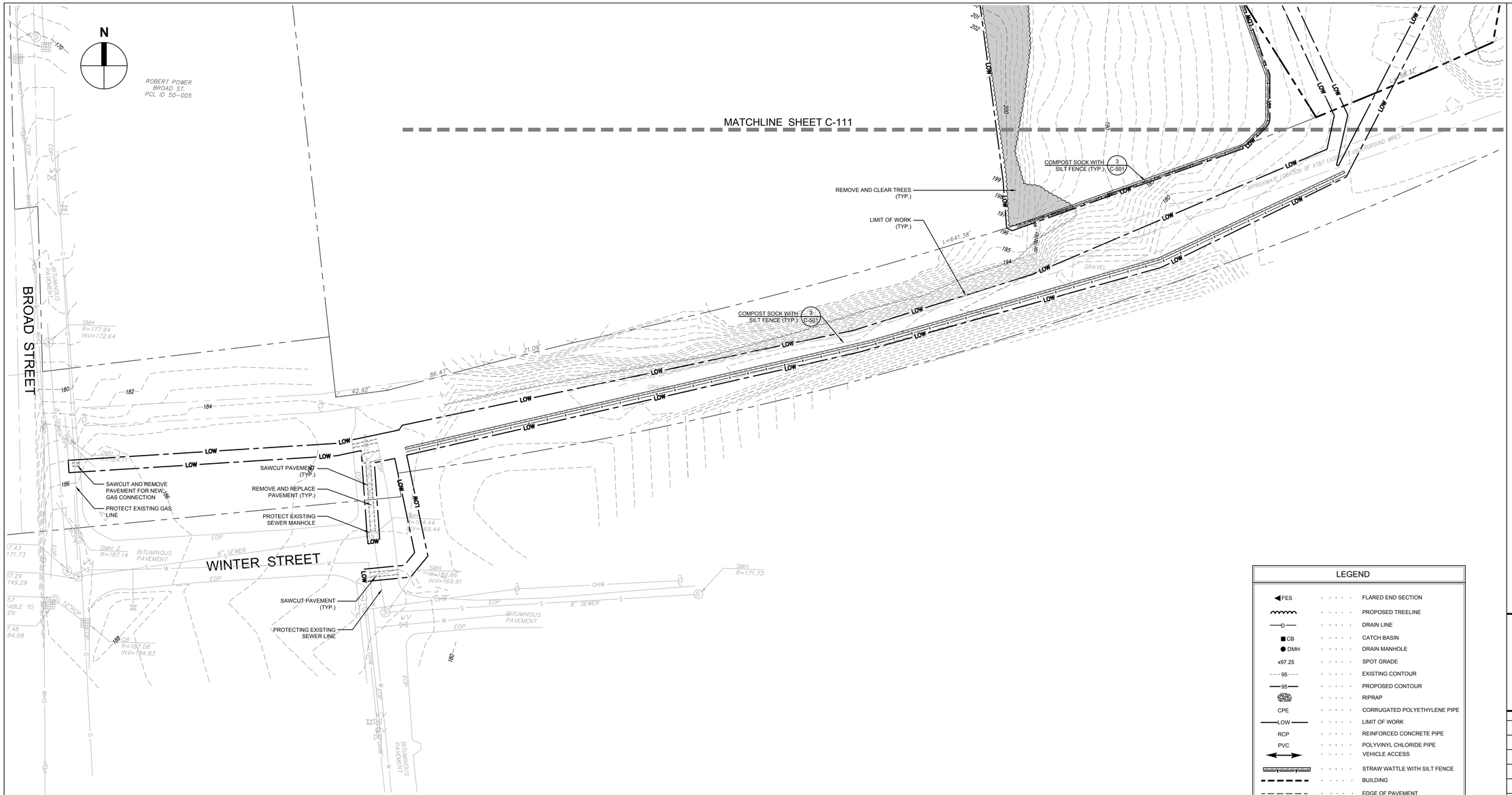
REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1" = 40'
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

SHEET TITLE:
SITE PREPARATION PLAN I

DRAWING NO.
C-111



GENERAL EROSION CONTROL NOTES:

1. CONTRACTOR SHALL CONFORM TO ALL CONDITIONS LISTED IN THE ORDER OF CONDITIONS ISSUED FOR THIS PROJECT.

2. CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND THE NPDES GENERAL PERMIT.

3. EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE IN PLACE AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY SITEWORK OR EARTHWORK OPERATIONS, AND MUST BE MAINTAINED DURING CONSTRUCTION, AND REMAIN IN PLACE UNTIL ALL SITEWORK IS COMPLETE AND GROUNDCOVER IS ESTABLISHED.

4. THE CONTRACTOR SHALL SUBMIT PROOF OF APPLICATION FOR A NPDES GENERAL PERMIT TO THE ARCHITECT AND OWNER PRIOR TO ANY ACTIVITY OR WORK ON SITE.

5. THE CONTRACTOR SHALL NOTIFY THE MEDWAY PLANNING BOARD AND CONSERVATION COMMISSION, IN WRITING, FORTY-EIGHT (48) HOURS BEFORE ANY ACTIVITY COMMENCES ON THE PROJECT SITE.

6. STOCKPILES MUST BE SURROUNDED ON THEIR PERIMETERS WITH STAKED COMPOST SOCKS AND SILT FENCES TO CONTROL EROSION.

7. STABILIZE EXPOSED AREAS IN ACCORDANCE WITH THE NPDES GENERAL PERMIT. STABILIZE STOCK PILES AND EXPOSED SOIL IN AREAS WHERE CONSTRUCTION ACTIVITIES WILL CEASE FOR 21 DAYS.

8. EARTHWORK ACTIVITY ON THE SITE SHALL BE DONE IN A MANNER SUCH THAT RUNOFF IS DIRECTED TO TEMPORARY DRAINAGE SWALES AND TEMPORARY SEDIMENTATION BASINS. TEMPORARY DRAINAGE SWALES ARE TO BE ADJUSTED AND RELOCATED THROUGHOUT THE SITE AS CONSTRUCTION PROGRESSES.

9. THE BIORETENTION AREA AS DESIGNATED ON THE PLANS, IS TO BE USED AS A TEMPORARY SEDIMENTATION BASIN THROUGHOUT CONSTRUCTION AND SHALL BE PERIODICALLY CLEANED DURING CONSTRUCTION. PRIOR TO COMPLETION OF THE BIORETENTION BASIN, ALL SILT AND SEDIMENT IS TO BE REMOVED TO ENSURE THAT THE PERMEABLE NATIVE SANDS ARE EXPOSED ON THE BOTTOM AND SIDES OF THE SUBGRADE. ADDITIONAL TEMPORARY SEDIMENTATION BASINS SHALL BE CONSTRUCTED AND USED THROUGHOUT THE SITE AS NECESSARY.

10. TEMPORARY SEDIMENTATION BASINS SHALL BE CONSTRUCTED TO CONTAIN A VOLUME OF RUNOFF EQUAL TO 0.12 ACRE-FT FOR EACH ACRE THAT IS TRIBUTARY TO THE BASIN.

11. THE DRAINAGE SYSTEM INCLUDING THE BIO-RETENTION AREA SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF THE PROJECT SO IT IS FUNCTIONAL DURING CONSTRUCTION. SAID STRUCTURES SHALL BE KEPT FREE OF SILT AND DEBRIS TO ENSURE THEIR PROPER OPERATION. THE CONTRACTOR SHALL INSTALL SILT SACKS AT CATCH BASIN GRATES AND USE STAKED HAYBALES AT CATCH BASINS IN ALL EXPOSED SOIL AREAS, AND AS INDICATED ON THE PLANS.

12. CULVERT AND PIPE INLETS AND OUTFALLS SHALL BE PROTECTED BY HAYBALE FILTERS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED. CATCHBASINS SHALL BE PROTECTED BY SILTSACKS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

13. DEWATERING REQUIRED IN CONSTRUCTING THE DETENTION AREAS OR FOR OTHER FEATURES ON THE SITE SHALL DISCHARGE INTO A TEMPORARY SEDIMENTATION BASIN.

14. THE LOCATION OF HAYBALE CHECK DAMS SHALL BE FIELD VERIFIED DURING SITE PREPARATION OPERATIONS BY THE OWNER'S REPRESENTATIVE.

15. SOIL SHALL NOT BE STOCKPILED WITHIN THE 100 FOOT WETLAND BUFFER ZONE. RE-FUELING OF EQUIPMENT IS NOT ALLOWED WITHIN THE 100 FOOT WETLAND BUFFER ZONE. THE STORAGE OF MACHINERY IS NOT ALLOWED WITHIN THE 100 FOOT WETLAND BUFFER ZONE.

16. ALL EROSION CONTROL MEASURES MUST BE ROUTINELY INSPECTED, CLEANED AND REPAIRED OR REPLACED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPECTION MUST TAKE PLACE AFTER EACH RAINFALL EVENT.

17. THE CONTRACTOR MUST KEEP ON SITE AT ALL TIMES ADDITIONAL COMPOST SOCK, HAYBALES, SILT FENCING, EROSION CONTROL BLANKETS, STONE RIP-RAP, AND OTHER EROSION CONTROL DEVICES USED DURING CONSTRUCTION. THESE SHALL BE INSTALLED AS NEEDED AND AT THE DIRECTION OF THE ENGINEER OR THE MASS DEP, NERO TO MITIGATE ANY EMERGENCY CONDITION. MINIMUM RESERVE OF COMPOST SOCK AND SILT FENCE MUST INCLUDE 50 LF WITH STAKES.

18. INSTALL EROSION CONTROL MATS ON ALL SLOPES 3:1 OR STEEPER.

MAINTENANCE NOTES:

DURING THE PERIOD OF CONSTRUCTION AND UNTIL LONG TERM VEGETATION IS ESTABLISHED:

1. THE COMPOST SOCK AND SILT FENCING BARRIERS AND OTHER EROSION AND SEDIMENT CONTROL MEASURES/DEVICES SHALL BE INSPECTED, CLEANED, REPLACED AND/OR REPAIRED WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL.

2. SEDIMENTATION BASINS AND TEMPORARY DRAINAGE SWALES SHALL BE INSPECTED AFTER EACH SIGNIFICANT RAINFALL AND CLEANED AS NEEDED TO RETAIN DESIGN CAPACITY.

3. THE ENTRANCES AND EXITS FROM THE SITE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO THE DPS ACCESS DRIVE OR THE PUBLIC WAY. ALL SEDIMENT THAT IS TRACKED, SPILLED OR WASHED INTO THE DPS DRIVE OR PUBLIC WAY SHALL BE REMOVED BY THE CONTRACTOR IMMEDIATELY.

4. CATCH BASINS, OVERFLOW CONTROL STRUCTURES AND OIL/SAND TRAPS SHALL BE INSPECTED AT LEAST EIGHT TIMES PER YEAR, DURING CONSTRUCTION, AND REMOVE SEDIMENT IF OVER SIX INCHES DEEP.

LEGEND

FES	FLARED END SECTION
	PROPOSED TREELINE
D	DRAIN LINE
CB	CATCH BASIN
DMH	DRAIN MANHOLE
x97.25	SPOT GRADE
95	EXISTING CONTOUR
95	PROPOSED CONTOUR
	RIPRAP
CPE	CORRUGATED POLYETHYLENE PIPE
LOW	LIMIT OF WORK
RCP	REINFORCED CONCRETE PIPE
PVC	POLYVINYL CHLORIDE PIPE
	VEHICLE ACCESS
	STRAW WATTLE WITH SILT FENCE
	BUILDING
	EDGE OF PAVEMENT
	DIRECTION OF SURFACE RUNOFF
	REMOVE BITUMINOUS PAVEMENT AND ADJACENT CURBING
	REMOVE BUILDING, CONCRETE SLABS, AND FOUNDATION
	REMOVE AND CLEAR TREES
	REMOVE LIGHT POLE
	REMOVE TREES
	TEMPORARY OUTLET STRUCTURE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

P:\2018\18043\BIM\cics\C-111 SITE PREPARATION PLAN.dwg 12/20/2018 2:23:24 PM

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1" = 40'
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

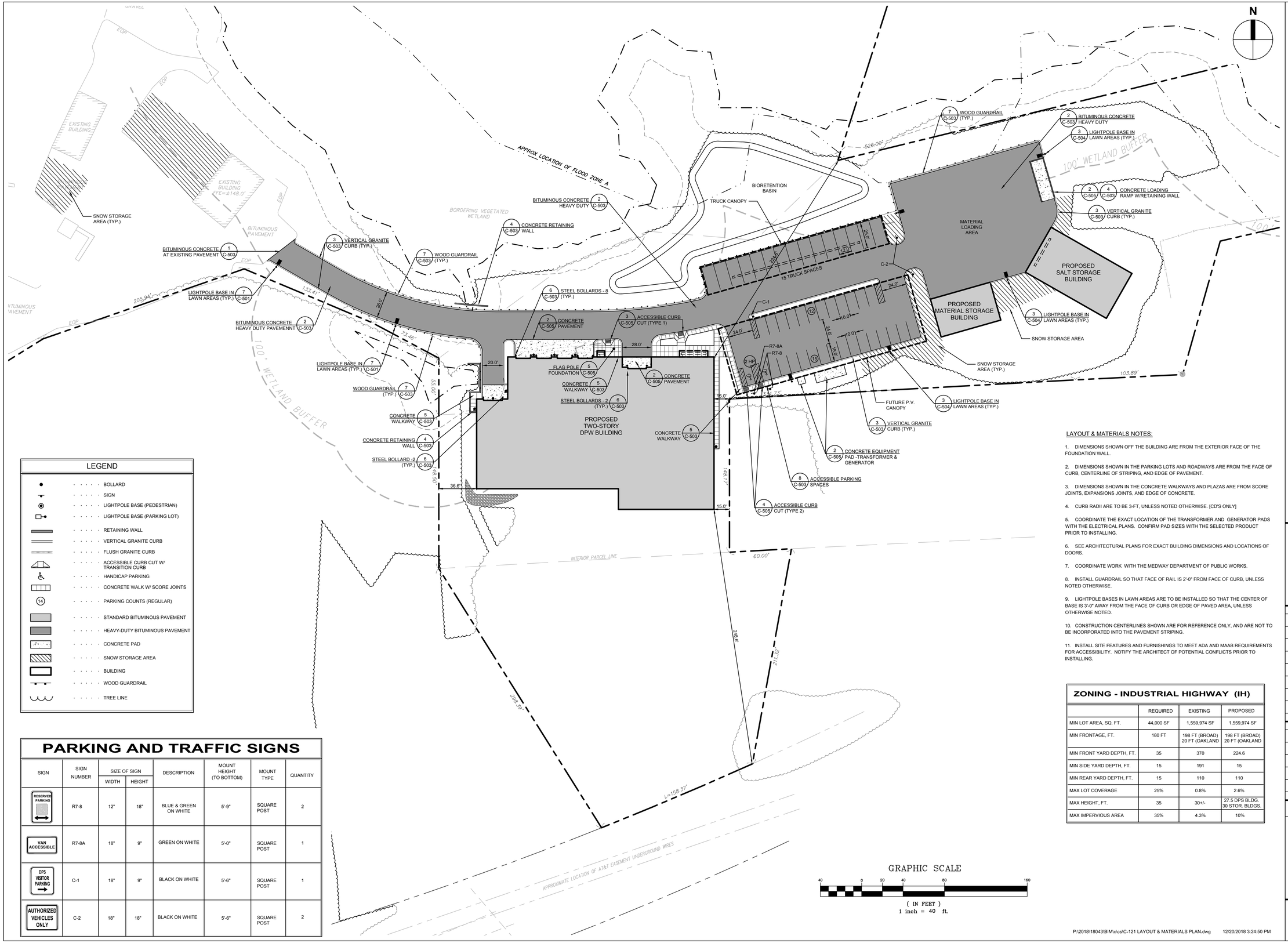
BUILDING:

SHEET TITLE:

SITE PREPARATION PLAN II

DRAWING NO.

C-112



LEGEND

- BOLLARD
- SIGN
- LIGHTPOLE BASE (PEDESTRIAN)
- LIGHTPOLE BASE (PARKING LOT)
- RETAINING WALL
- VERTICAL GRANITE CURB
- FLUSH GRANITE CURB
- ACCESSIBLE CURB CUT W/ TRANSITION CURB
- HANDICAP PARKING
- CONCRETE WALK W/ SCORE JOINTS
- (14) PARKING COUNTS (REGULAR)
- STANDARD BITUMINOUS PAVEMENT
- HEAVY-DUTY BITUMINOUS PAVEMENT
- CONCRETE PAD
- SNOW STORAGE AREA
- BUILDING
- WOOD GUARDRAIL
- TREE LINE

PARKING AND TRAFFIC SIGNS

SIGN	SIGN NUMBER	SIZE OF SIGN WIDTH	SIZE OF SIGN HEIGHT	DESCRIPTION	MOUNT HEIGHT (TO BOTTOM)	MOUNT TYPE	QUANTITY
RESERVED PARKING	R7-8	12"	18"	BLUE & GREEN ON WHITE	5'-9"	SQUARE POST	2
VAN ACCESSIBLE	R7-8A	18"	9"	GREEN ON WHITE	5'-0"	SQUARE POST	1
DPS VISITOR PARKING →	C-1	18"	9"	BLACK ON WHITE	5'-6"	SQUARE POST	1
AUTHORIZED VEHICLES ONLY	C-2	18"	18"	BLACK ON WHITE	5'-6"	SQUARE POST	2

LAYOUT & MATERIALS NOTES:

1. DIMENSIONS SHOWN OFF THE BUILDING ARE FROM THE EXTERIOR FACE OF THE FOUNDATION WALL.
2. DIMENSIONS SHOWN IN THE PARKING LOTS AND ROADWAYS ARE FROM THE FACE OF CURB, CENTERLINE OF STRIPING, AND EDGE OF PAVEMENT.
3. DIMENSIONS SHOWN IN THE CONCRETE WALKWAYS AND PLAZAS ARE FROM SCORE JOINTS, EXPANSIONS JOINTS, AND EDGE OF CONCRETE.
4. CURB RADII ARE TO BE 3-FT, UNLESS NOTED OTHERWISE. [CD'S ONLY]
5. COORDINATE THE EXACT LOCATION OF THE TRANSFORMER AND GENERATOR PADS WITH THE ELECTRICAL PLANS. CONFIRM PAD SIZES WITH THE SELECTED PRODUCT PRIOR TO INSTALLING.
6. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND LOCATIONS OF DOORS.
7. COORDINATE WORK WITH THE MEDWAY DEPARTMENT OF PUBLIC WORKS.
8. INSTALL GUARDRAIL SO THAT FACE OF RAIL IS 2'-0" FROM FACE OF CURB, UNLESS NOTED OTHERWISE.
9. LIGHTPOLE BASES IN LAWN AREAS ARE TO BE INSTALLED SO THAT THE CENTER OF BASE IS 3'-0" AWAY FROM THE FACE OF CURB OR EDGE OF PAVED AREA, UNLESS OTHERWISE NOTED.
10. CONSTRUCTION CENTERLINES SHOWN ARE FOR REFERENCE ONLY, AND ARE NOT TO BE INCORPORATED INTO THE PAVEMENT STRIPING.
11. INSTALL SITE FEATURES AND FURNISHINGS TO MEET ADA AND MAAB REQUIREMENTS FOR ACCESSIBILITY. NOTIFY THE ARCHITECT OF POTENTIAL CONFLICTS PRIOR TO INSTALLING.

ZONING - INDUSTRIAL HIGHWAY (IH)

	REQUIRED	EXISTING	PROPOSED
MIN LOT AREA, SQ. FT.	44,000 SF	1,559,974 SF	1,559,974 SF
MIN FRONTAGE, FT.	180 FT	198 FT (BROAD) 20 FT (OAKLAND	198 FT (BROAD) 20 FT (OAKLAND
MIN FRONT YARD DEPTH, FT.	35	370	224.6
MIN SIDE YARD DEPTH, FT.	15	191	15
MIN REAR YARD DEPTH, FT.	15	110	110
MAX LOT COVERAGE	25%	0.8%	2.6%
MAX HEIGHT, FT.	35	30+/-	27.5 DPS BLDG. 30 STOR. BLDGS.
MAX IMPERVIOUS AREA	35%	4.3%	10%

P:\2018\18043\BIM\c\cs\C-121 LAYOUT & MATERIALS PLAN.dwg 12/20/2018 3:24:50 PM

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED
PROFESSIONAL ENGINEER

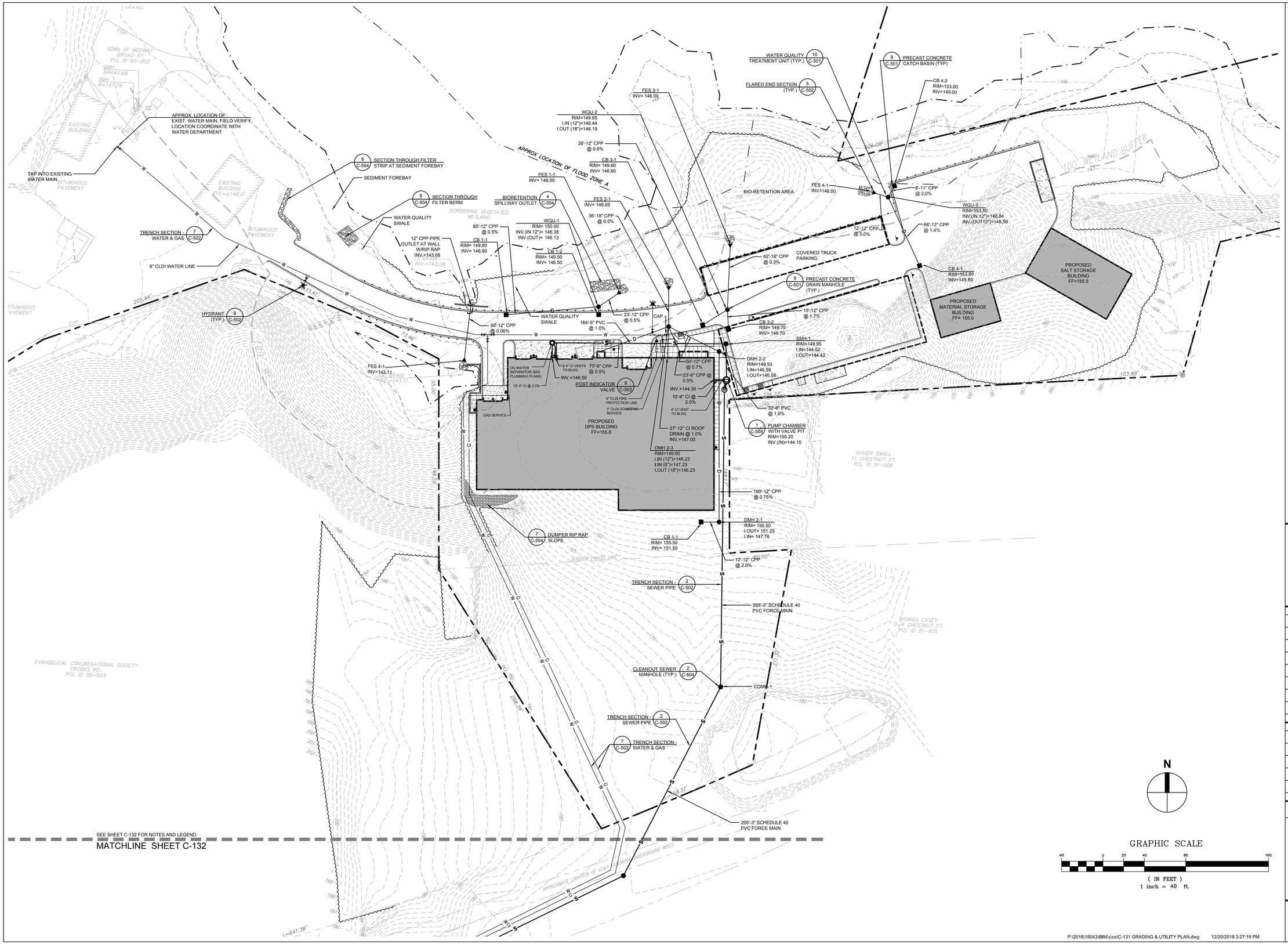
REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE
SCALE 1" = 40'
DRAWN BY ACO
CHECKED BY PSG
PROJECT NO. 18043.00

BUILDING:

SHEET TITLE:
LAYOUT & MATERIALS PLAN

DRAWING NO.
C-121



N

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

P:\2018\18043\BIM\cs\C-131 GRADING & UTILITY PLAN.dwg 12/20/2018 3:27:19 PM

THE TOWN OF MEDWAY MASSACHUSETTS INCORPORATED OCT 25 1713

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

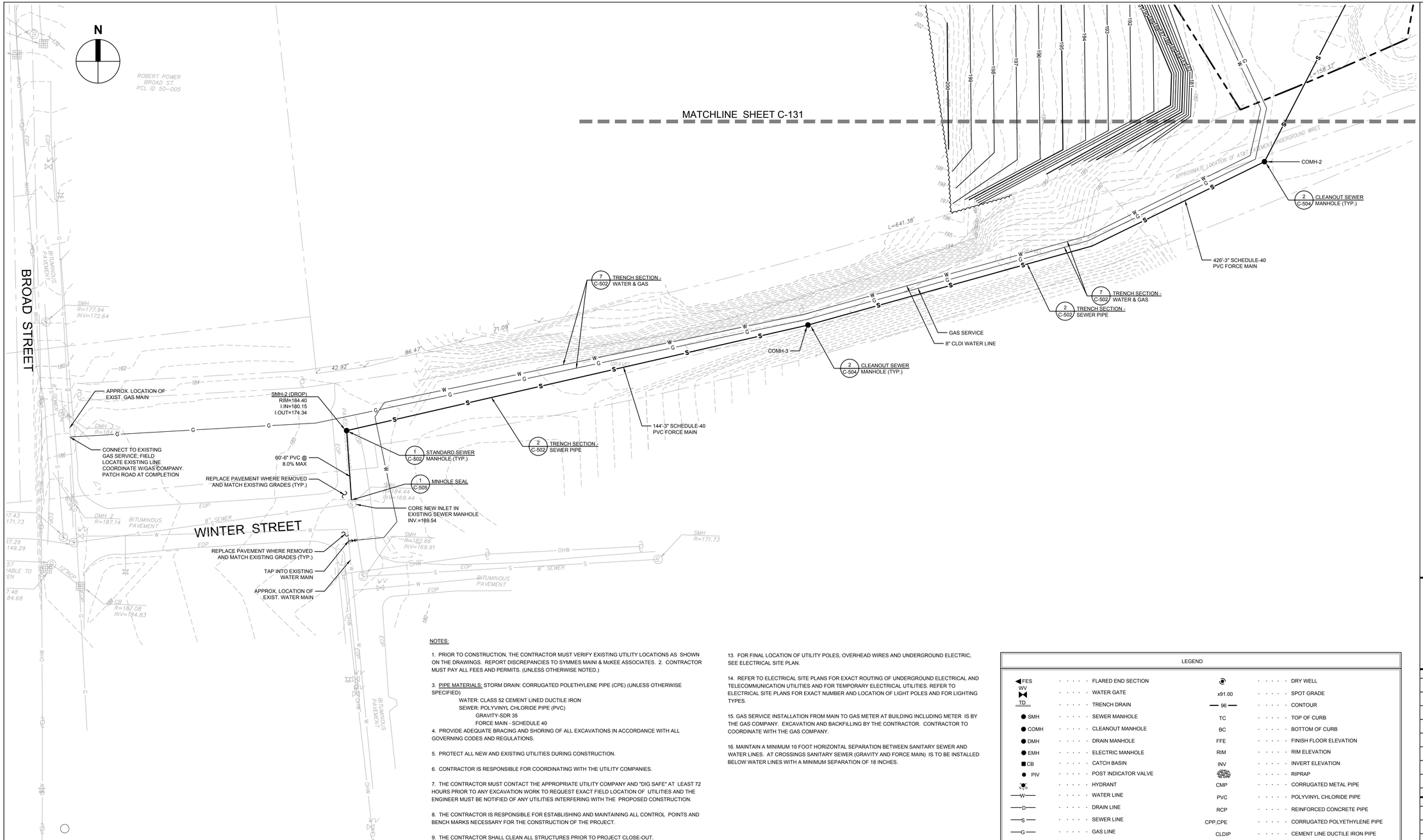
REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1" = 40'
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

SHEET TITLE:
GRADING & UTILITY PLAN I

DRAWING NO.
C-131



NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST VERIFY EXISTING UTILITY LOCATIONS AS SHOWN ON THE DRAWINGS. REPORT DISCREPANCIES TO SYMMES MAINI & McKEE ASSOCIATES. 2. CONTRACTOR MUST PAY ALL FEES AND PERMITS. (UNLESS OTHERWISE NOTED.)

3. PIPE MATERIALS: STORM DRAIN: CORRUGATED POLETHYLENE PIPE (CPE) (UNLESS OTHERWISE SPECIFIED)
   WATER: CLASS 52 CEMENT LINED DUCTILE IRON
   SEWER: POLYVINYL CHLORIDE PIPE (PVC)
   GRAVITY-SDR 35
   FORCE MAIN - SCHEDULE 40

4. PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATIONS.

5. PROTECT ALL NEW AND EXISTING UTILITIES DURING CONSTRUCTION.

6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANIES.

7. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY AND "DIG SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER MUST BE NOTIFIED OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION.

8. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.

9. THE CONTRACTOR SHALL CLEAN ALL STRUCTURES PRIOR TO PROJECT CLOSE-OUT.

10. THE GAS, ELECTRIC AND TELEPHONE SERVICES SHOWN ARE APPROXIMATE. COORDINATE ACTUAL LOCATIONS WITH THE APPROPRIATE SUBCONTRACTOR AND UTILITY COMPANY.

11. PROVIDE CONCRETE THRUST BLOCKS AT ALL BENDS 22 -1/2 MAIN.

12. PROPOSED HYDRANTS MUST MEET THE REQUIREMENTS OF THE TOWN OF MEDWAY FIRE DEPARTMENT AND WATER DEPARTMENT.

13. FOR FINAL LOCATION OF UTILITY POLES, OVERHEAD WIRES AND UNDERGROUND ELECTRIC, SEE ELECTRICAL SITE PLAN.

14. REFER TO ELECTRICAL SITE PLANS FOR EXACT ROUTING OF UNDERGROUND ELECTRICAL AND TELECOMMUNICATION UTILITIES AND FOR TEMPORARY ELECTRICAL UTILITIES. REFER TO ELECTRICAL SITE PLANS FOR EXACT NUMBER AND LOCATION OF LIGHT POLES AND FOR LIGHTING TYPES.

15. GAS SERVICE INSTALLATION FROM MAIN TO GAS METER AT BUILDING INCLUDING METER IS BY THE GAS COMPANY. EXCAVATION AND BACKFILLING BY THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH THE GAS COMPANY.

16. MAINTAIN A MINIMUM 10 FOOT HORIZONTAL SEPARATION BETWEEN SANITARY SEWER AND WATER LINES. AT CROSSINGS SANITARY SEWER (GRAVITY AND FORCE MAIN) IS TO BE INSTALLED BELOW WATER LINES WITH A MINIMUM SEPARATION OF 18 INCHES.

LEGEND

FES	FLARED END SECTION	DW	DRY WELL
WV	WATER GATE	x91.00	SPOT GRADE
TD	TRENCH DRAIN	98	CONTOUR
SMH	SEWER MANHOLE	TC	TOP OF CURB
COMH	CLEANOUT MANHOLE	BC	BOTTOM OF CURB
DMH	DRAIN MANHOLE	FFE	FINISH FLOOR ELEVATION
EMH	ELECTRIC MANHOLE	RIM	RIM ELEVATION
CB	CATCH BASIN	INV	INVERT ELEVATION
PIV	POST INDICATOR VALVE	RIP	RIPRAP
HYD	HYDRANT	CMP	CORRUGATED METAL PIPE
W	WATER LINE	PVC	POLYVINYL CHLORIDE PIPE
D	DRAIN LINE	RCP	REINFORCED CONCRETE PIPE
S	SEWER LINE	CPP,CPE	CORRUGATED POLYETHYLENE PIPE
G	GAS LINE	CLDIP	CEMENT LINE DUCTILE IRON PIPE
E	ELECTRIC LINE	PIV	POST INDICATOR VALVE
T	TELEPHONE LINE	RD	ROOF DRAIN
DS	DOMESTIC SERVICE	CI	CAST IRON
FP	FIRE PROTECTION SERVICE	DI	DRAIN INLET
FM	FORCE MAIN	LOW	LIMIT OF WORK
RD	ROOF DRAIN		

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

P:\2018\18043\BIM\clcs\C-131 GRADING & UTILITY PLAN.dwg 12/20/2018 2:35:20 PM

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1" = 40'
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

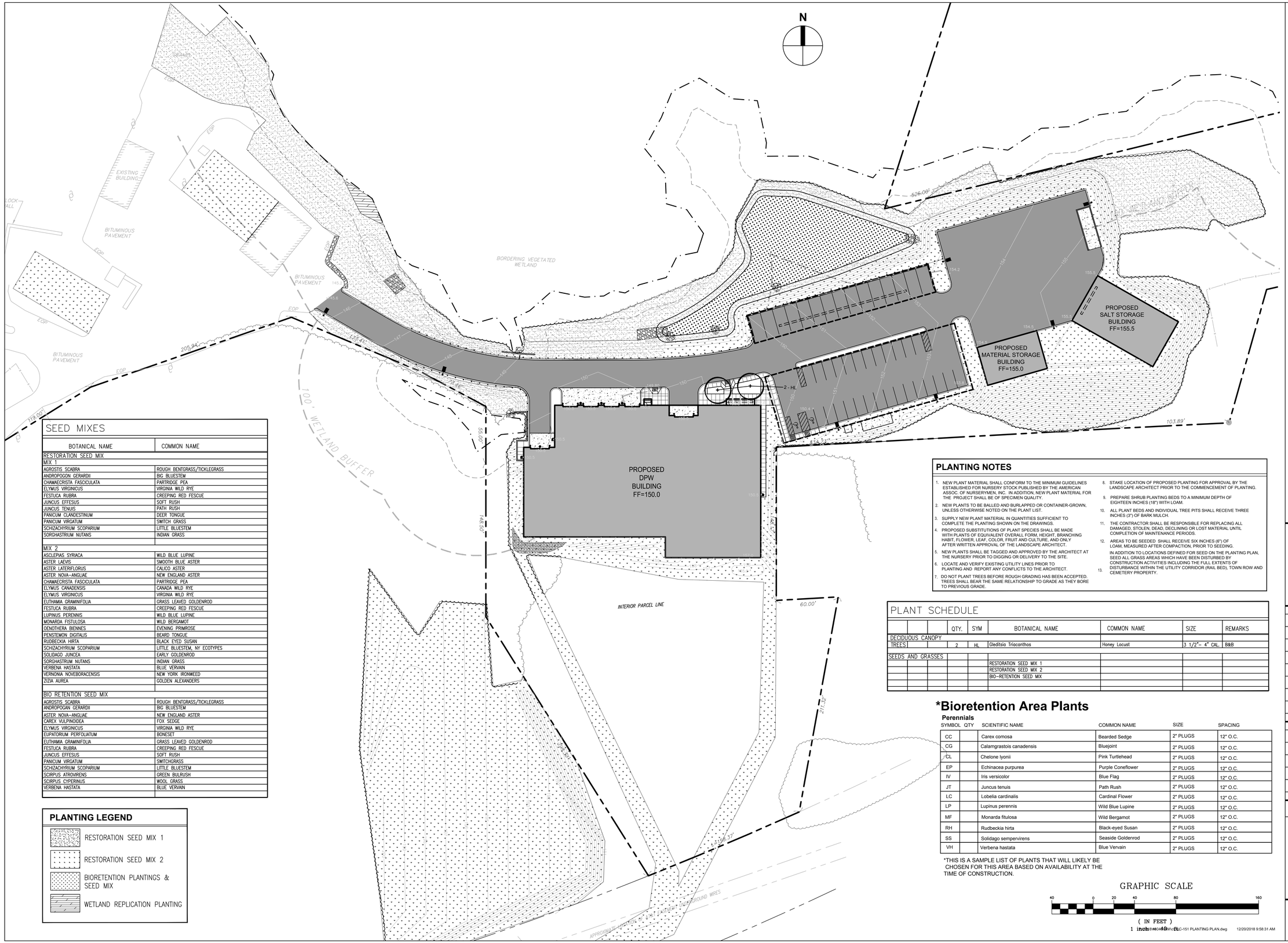
BUILDING:

SHEET TITLE:

GRADING & UTILITY PLAN II

DRAWING NO.

C-132



SEED MIXES

BOTANICAL NAME	COMMON NAME
RESTORATION SEED MIX	
MIX 1	
AGROSTIS SCABRA	ROUGH BENTGRASS/TICKLEGRASS
ANDROPOGON GERARDII	BIG BLUESTEM
CHAMAECRISTA FASCICULATA	PARTRIDGE PEA
ELYMUS VIRGINICUS	VIRGINIA WILD RYE
FESTUCA RUBRA	CREEPING RED FESCUE
JUNCUS EFFESUS	SOFT RUSH
JUNCUS TENUIS	PATH RUSH
PANICUM CLANDESTINUM	DEER TONGUE
PANICUM VIRGATUM	SWITCH GRASS
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM
SORGHASTRIUM NUTANS	INDIAN GRASS
MIX 2	
ASCLEPIAS SYRIACA	WILD BLUE LUPINE
ASTER LAEVIS	SMOOTH BLUE ASTER
ASTER LATERIFLORUS	CALICO ASTER
ASTER NOVA-ANGLIAE	NEW ENGLAND ASTER
CHAMAECRISTA FASCICULATA	PARTRIDGE PEA
ELYMUS CANADENSIS	CANADA WILD RYE
ELYMUS VIRGINICUS	VIRGINIA WILD RYE
EUTHAMIA GRAMINIFOLIA	GRASS LEAVED GOLDENROD
FESTUCA RUBRA	CREEPING RED FESCUE
LUPINUS PERENNIS	WILD BLUE LUPINE
MONARDA FISTULOSA	WILD BERGAMOT
OENOTHERA BIENNES	EVENING PRIMROSE
PENSTEMON DIGITALIS	BEARD TONGUE
RUDBECKIA HIRTA	BLACK EYED SUSAN
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM, NY ECOTYPES
SOLIDAGO JUNCEA	EARLY GOLDENROD
SORGHASTRUM NUTANS	INDIAN GRASS
VERBENA HASTATA	BLUE VERVAIN
VERNONIA NOVEBORACENSIS	NEW YORK IRONWEED
ZIZIA AUREA	GOLDEN ALEXANDERS
BIO RETENTION SEED MIX	
AGROSTIS SCABRA	ROUGH BENTGRASS/TICKLEGRASS
ANDROPOGAN GERARDII	BIG BLUESTEM
ASTER NOVA-ANGLIAE	NEW ENGLAND ASTER
CAREX VULPINOIDEA	FOX SEDGE
ELYMUS VIRGINICUS	VIRGINIA WILD RYE
EUPATORIUM PERFOLIATUM	BONESET
EUTHAMIA GRAMINIFOLIA	GRASS LEAVED GOLDENROD
FESTUCA RUBRA	CREEPING RED FESCUE
JUNCUS EFFESUS	SOFT RUSH
PANICUM VIRGATUM	SWITCHGRASS
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM
SCIRPUS ATROVIRENS	GREEN BULRUSH
SCIRPUS CYPERINUS	WOOL GRASS
VERBENA HASTATA	BLUE VERVAIN

PLANTING LEGEND

- RESTORATION SEED MIX 1
- RESTORATION SEED MIX 2
- BIORETENTION PLANTINGS & SEED MIX
- WETLAND REPLICATION PLANTING

PLANTING NOTES

1. NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOC OF NURSERYMEN, INC. IN ADDITION, NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
2. NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
3. SUPPLY NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
4. PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
5. NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
6. LOCATE AND VERIFY EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT ANY CONFLICTS TO THE ARCHITECT.
7. DO NOT PLANT TREES BEFORE ROUGH GRADING HAS BEEN ACCEPTED. TREES SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS THEY BORE TO PREVIOUS GRADE.
8. STAKE LOCATION OF PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.
9. PREPARE SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH LOAM.
10. ALL PLANT BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE THREE INCHES (3") OF BARK MULCH.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS.
12. AREAS TO BE SEEDED SHALL RECEIVE SIX INCHES (6") OF LOAM, MEASURED AFTER COMPACTION, PRIOR TO SEEDING.
13. IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, SEED ALL GRASS AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITIES INCLUDING THE FULL EXTENTS OF DISTURBANCE WITHIN THE UTILITY CORRIDOR (RAIL BED), TOWN ROW AND CEMETERY PROPERTY.

PLANT SCHEDULE

		QTY.	SYM	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS CANOPY TREES		2	HL	Gleditsia Triacanthos	Honey Locust	3 1/2"- 4" CAL.	B&B
SEEDS AND GRASSES				RESTORATION SEED MIX 1			
				RESTORATION SEED MIX 2			
				BIO-RETENTION SEED MIX			

*Bioretention Area Plants

Perennials

SYMBOL	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING
CC		Carex comosa	Bearded Sedge	2" PLUGS	12" O.C.
CG		Calamgrastois canadensis	Bluejoint	2" PLUGS	12" O.C.
CL		Chelone lyonii	Pink Turtlehead	2" PLUGS	12" O.C.
EP		Echinacea purpurea	Purple Coneflower	2" PLUGS	12" O.C.
IV		Iris versicolor	Blue Flag	2" PLUGS	12" O.C.
JT		Juncus tenuis	Path Rush	2" PLUGS	12" O.C.
LC		Lobelia cardinalis	Cardinal Flower	2" PLUGS	12" O.C.
LP		Lupinus perennis	Wild Blue Lupine	2" PLUGS	12" O.C.
MF		Monarda fitulosa	Wild Bergamot	2" PLUGS	12" O.C.
RH		Rudbeckia hirta	Black-eyed Susan	2" PLUGS	12" O.C.
SS		Solidago sempervirens	Seaside Goldenrod	2" PLUGS	12" O.C.
VH		Verbena hastata	Blue Vervain	2" PLUGS	12" O.C.

*THIS IS A SAMPLE LIST OF PLANTS THAT WILL LIKELY BE CHOSEN FOR THIS AREA BASED ON AVAILABILITY AT THE TIME OF CONSTRUCTION.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

C-151 PLANTING PLAN.dwg 12/20/2018 9:58:31 AM

THE TOWN OF MEDWAY MASSACHUSETTS INCORPORATED OCT 25 1713

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

REGISTERED ARCHITECT GREGORY R. YANCHENKO No.7408 GROTON, MA COMMONWEALTH OF MASSACHUSETTS

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1" = 40'
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

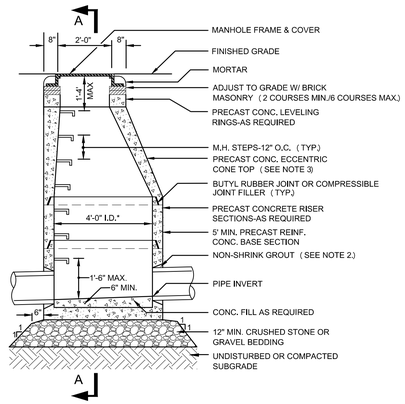
BUILDING:

SHEET TITLE:

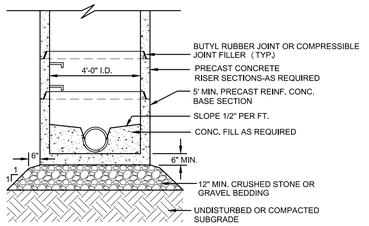
PLANTING PLAN

DRAWING NO.

C-151



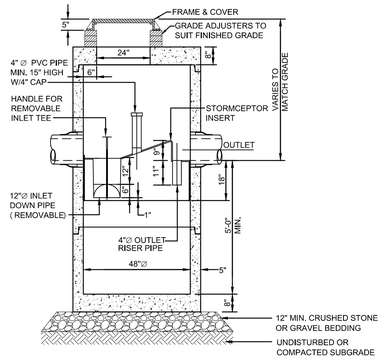
NOTE: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.
2. NEOPRENE SEAL TO CONFORM TO ASTM C-443 (SANITARY M.H. ONLY.)
3. PROVIDE SLAB TOP WHERE REQUIRED.



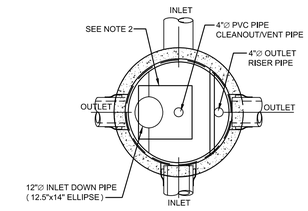
SECTION A

* PROVIDE 5'-0" I.D. SECTIONS AS REQUIRED FOR MULTIPLE/LARGE DIAMETER PIPES.

9 PRECAST CONCRETE DRAIN MANHOLE
N.T.S.



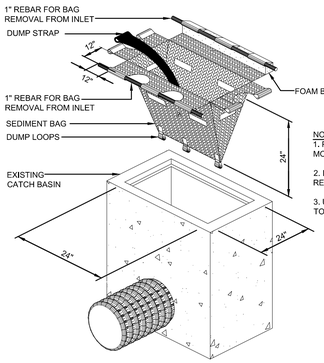
SECTION THRU CHAMBER

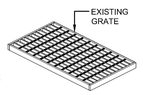


SECTION THRU PLAN VIEW

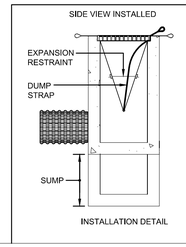
NOTE :
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE CLEANOUT/ VENT PIPE.

10 450 GALLON WATER QUALITY UNIT
N.T.S.



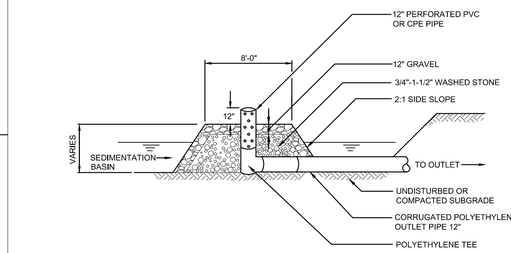


NOTE:
1. PROVIDE SEDIMENT BAG BY SILTSACK MODEL SILT02X02, OR APPROVED EQUAL.
2. INSTALL REBAR PRIOR TO GRATE REMOVAL.
3. USE FOAM BLOCK ONLY WHEN ADJACENT TO CURB INLET.

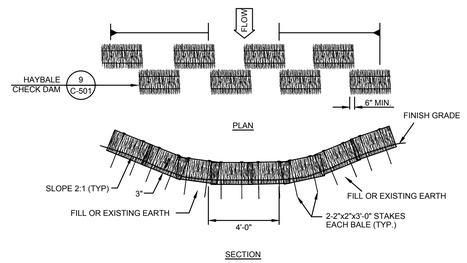


INSTALLATION DETAIL

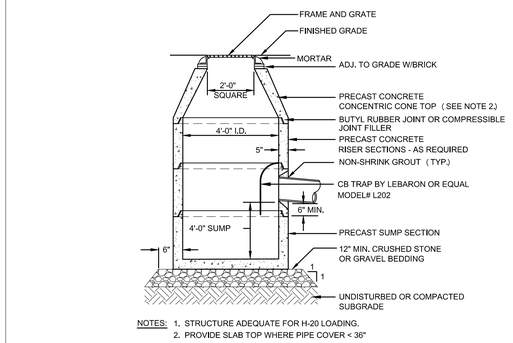
5 SEDIMENT BAG AT CATCH BASIN
N.T.S.



6 TEMPORARY SEDIMENTATION BASIN OUTLET DEVICE
N.T.S.

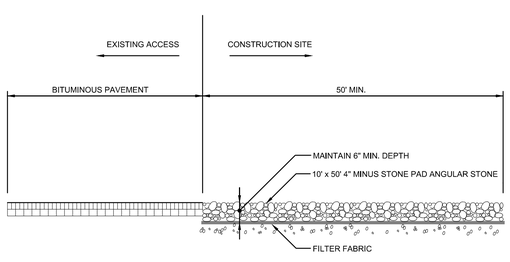


7 TEMPORARY DRAINAGE SWALE WITH HAYBALE EROSION CHECK DAM
N.T.S.

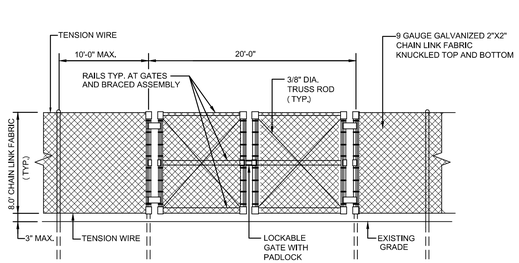


NOTES: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.
2. PROVIDE SLAB TOP WHERE PIPE COVER < 36"

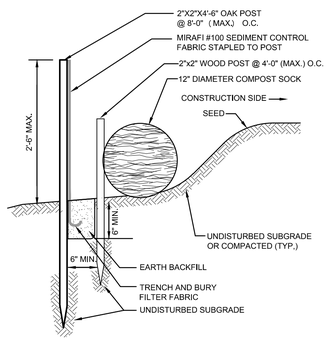
8 PRECAST CONCRETE CATCHBASIN
N.T.S.



1 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.

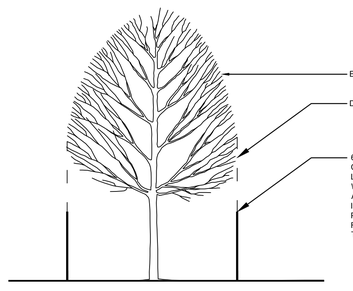


2 TEMPORARY CONSTRUCTION FENCE W/GATE
N.T.S.



NOTE:
INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

3 COMPOST SOCK WITH SILT FENCE
N.T.S.



4 TREE PROTECTION DETAIL
N.T.S.

THE TOWN OF MEDWAY · MASSACHUSETTS · INCORPORATED OCT. 25 1713

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS · PETER S. GLICK · CIVIL · No. 41514 · REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	NTS
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

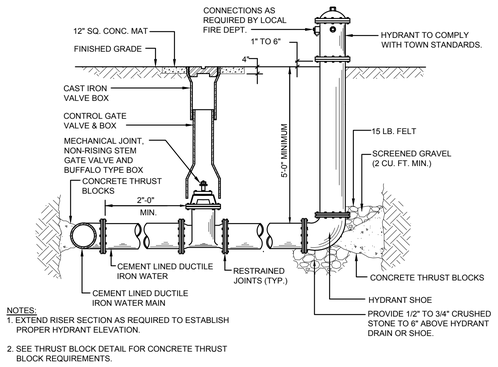
SHEET TITLE:

DETAILS I

DRAWING NO.

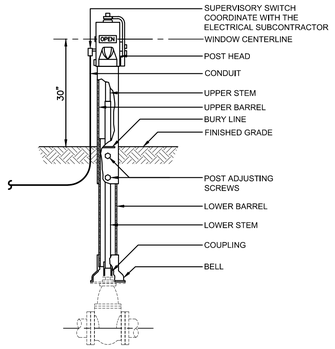
C-501

P:\2018\18043\BIM\c\cs\C-501 DETAILS.dwg 12/20/2018 2:28:13 PM

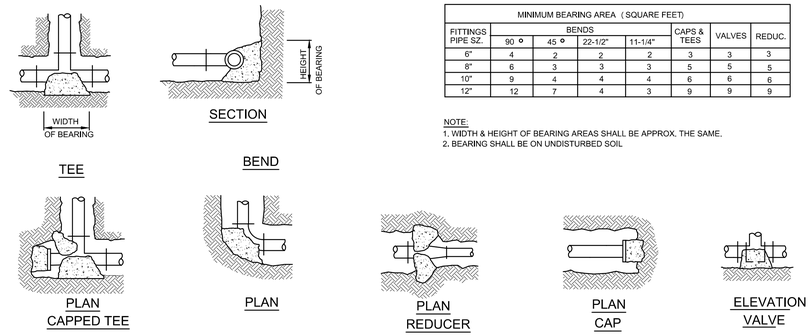


NOTES:
1. EXTEND RISER SECTION AS REQUIRED TO ESTABLISH PROPER HYDRANT ELEVATION.
2. SEE THRUST BLOCK DETAIL FOR CONCRETE THRUST BLOCK REQUIREMENTS.

8 HYDRANT
N.T.S.



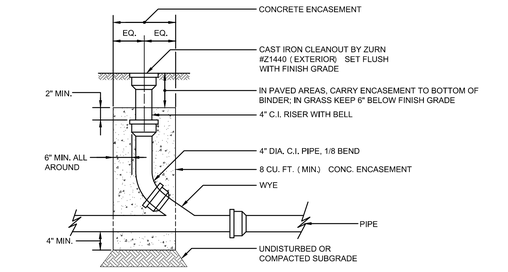
9 POST INDICATOR VALVE
N.T.S.



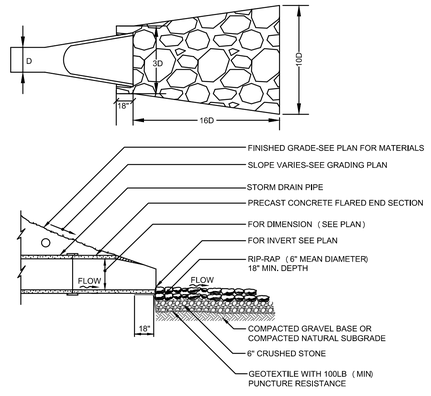
MINIMUM BEARING AREA (SQUARE FEET)							
FITTINGS PIPE SZ.	BENDS				CAPS & TEES	VALVES	REDUC.
	90 °	45 °	22-1/2°	11-1/4°			
6"	4	2	2	2	3	3	3
8"	6	3	3	3	5	5	5
10"	9	4	4	4	6	6	6
12"	12	7	4	3	9	9	9

NOTE:
1. WIDTH & HEIGHT OF BEARING AREAS SHALL BE APPROX. THE SAME.
2. BEARING SHALL BE ON UNDISTURBED SOIL

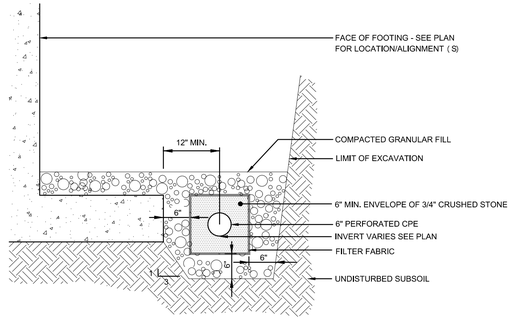
10 THRUST BLOCKS - FORCE MAIN
N.T.S.



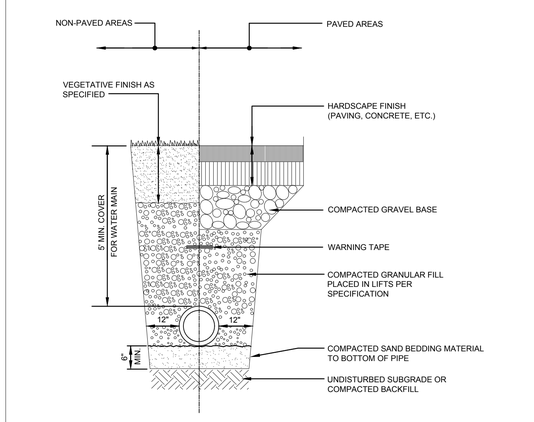
4 CLEANOUT
N.T.S.



5 FLARED END
N.T.S.

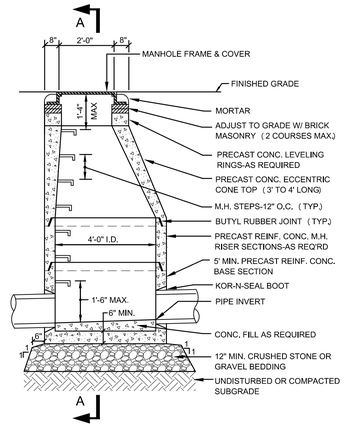


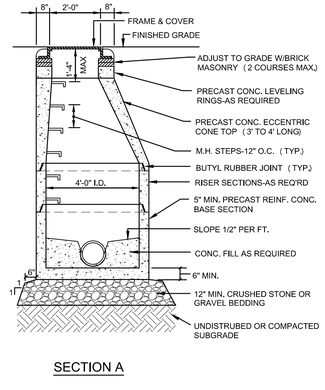
6 FOUNDATION DRAIN
N.T.S.



NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

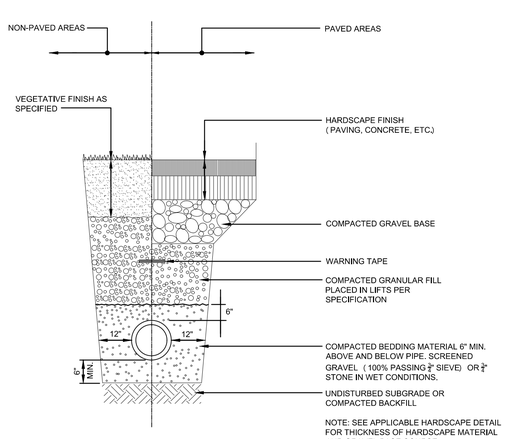
7 TRENCH SECTION - WATER & ELEC / TELECOM / GAS
N.T.S.





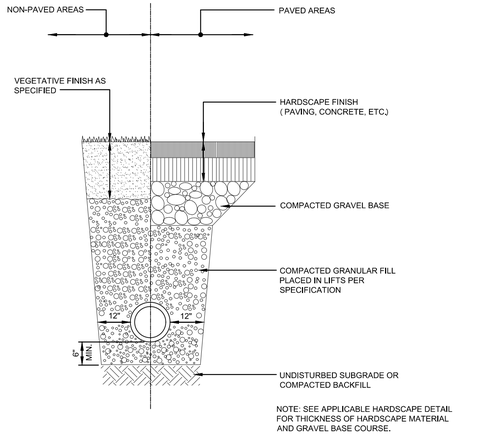
SECTION A

1 STANDARD SEWER MANHOLE
N.T.S.



NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

2 TRENCH SECTION - SEWER PIPE
N.T.S.



NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

3 TRENCH SECTION - CPE DRAINS
N.T.S.

TOWN OF MEDWAY
NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	NTS
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

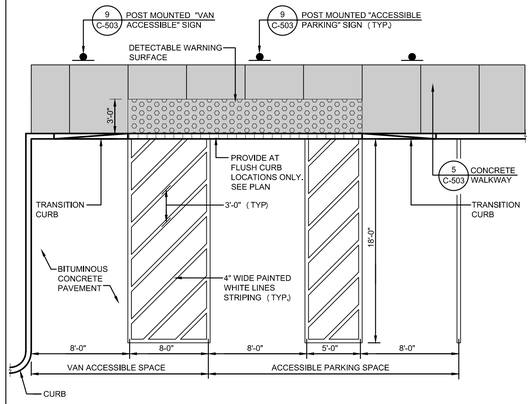
BUILDING:

SHEET TITLE:

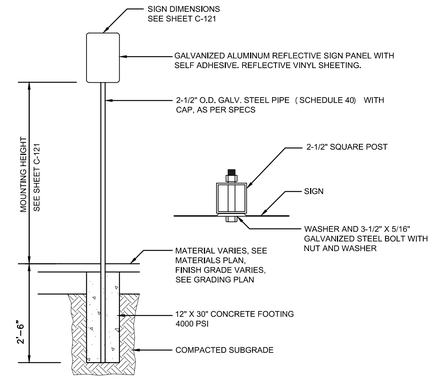
DETAILS II

DRAWING NO.

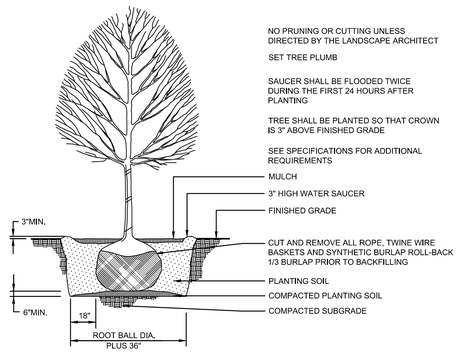
C-502



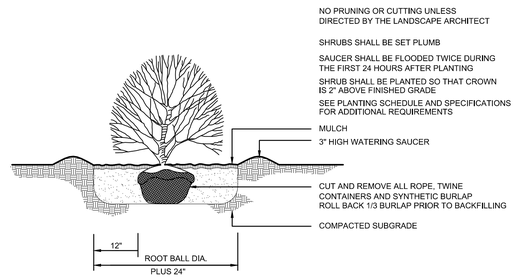
8 ACCESSIBLE PARKING SPACES
N.T.S.



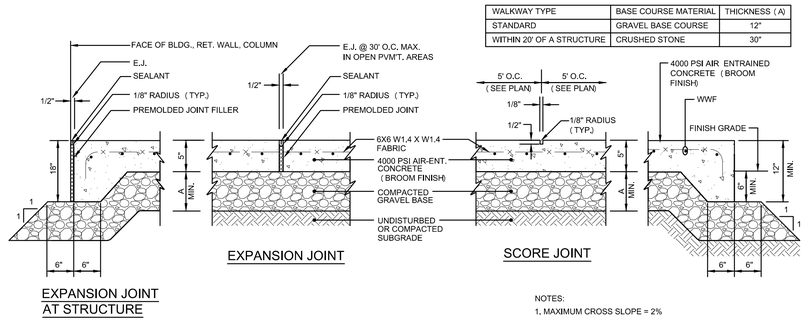
9 PARKING SIGN
N.T.S.



10 DECIDUOUS TREE
N.T.S.



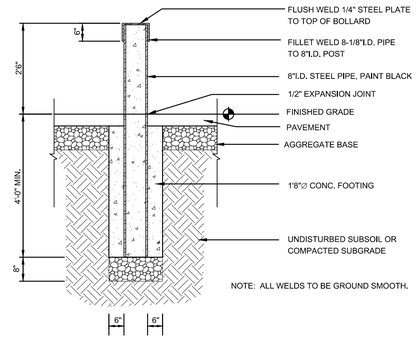
11 SHRUB
N.T.S.



WALKWAY TYPE	BASE COURSE MATERIAL	THICKNESS (A)
STANDARD	GRAVEL BASE COURSE	12"
WITHIN 20' OF A STRUCTURE	CRUSHED STONE	30"

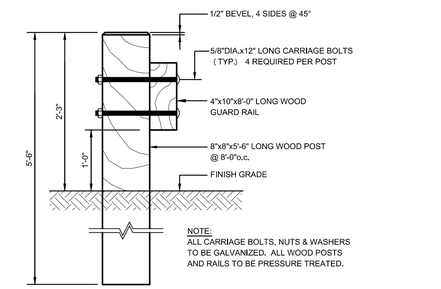
NOTES:
1. MAXIMUM CROSS SLOPE = 2%
2. MAXIMUM GRADIENT = 5%
3. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
4. PROVIDE VERTICAL GRANITE OR PRECAST CONCRETE CURBING PER SHEET C3.

5 CONCRETE WALKWAY
N.T.S.

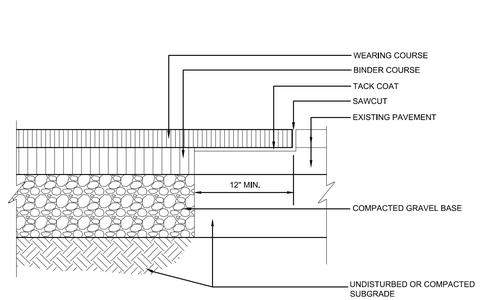


NOTE: ALL WELDS TO BE GROUND SMOOTH.

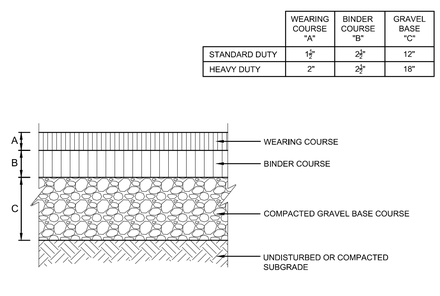
6 STEEL BOLLARD
N.T.S.



7 WOOD GUARDRAIL
N.T.S.



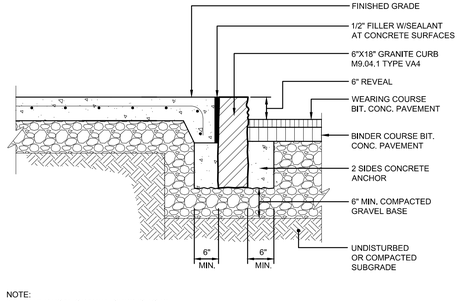
1 BITUMINOUS CONCRETE AT EXISTING PAVEMENT
N.T.S.



	WEARING COURSE "A"	BINDER COURSE "B"	GRAVEL BASE "C"
STANDARD DUTY	1½"	2½"	12"
HEAVY DUTY	2"	2½"	18"

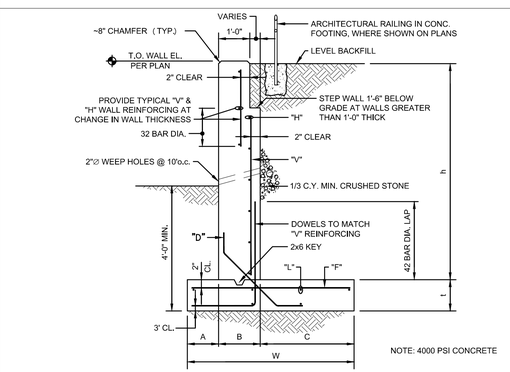
NOTE:
FOR BITUMINOUS CONCRETE SIDEWALK USE 8" OF COMPACTED GRAVEL BASE.

2 BITUMINOUS CONCRETE PAVEMENT
N.T.S.



NOTE:
WHEN VERTICAL GRANITE CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT.

3 VERTICAL GRANITE CURB
N.T.S.



NOTE: 4000 PSI CONCRETE

RETAINING WALL TYPE "A"										
DIMENSIONS						REINFORCING				
h	A	B	C	W	t	V	H	F	L	D
6' ≤	8"	1'-0"	2'-6"	4'-2"	1'-0"	#5@12"	#5@10"	#5@12"	5-#5	#4@12"
6' TO 12'	1'-9"	1'-3"	5'-5"	8'-5"	1'-3"	#6@8"	#6@12"	#5@8"	9-#5	#4@8"

NOTE: IN-BETWEEN DIMENSIONS MUST ALWAYS BE ROUNDED UP.

4 CONCRETE RETAINING WALL
N.T.S.

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	NTS
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

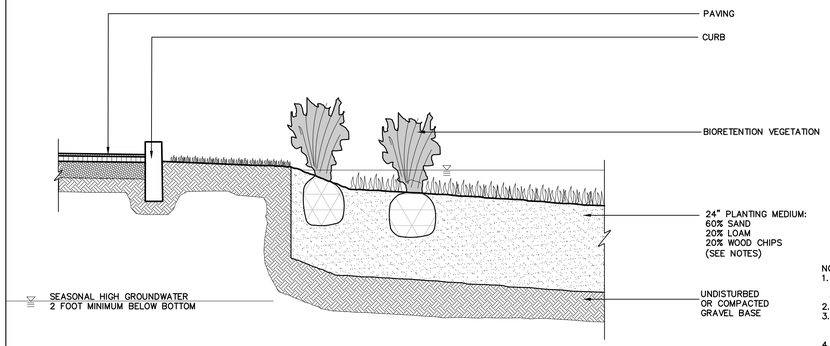
SHEET TITLE:

DETAILS III

DRAWING NO.

C-503

P:\2018\18043\BIM\c\cs\C-501 DETAILS.dwg 12/20/2018 2:27:37 PM

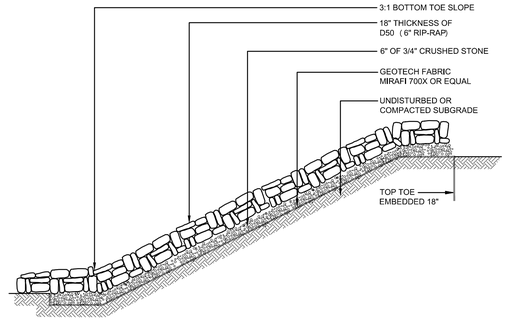


NOTES:
1. THE SOIL MIX MUST BE UNIFORM, FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN 2 INCHES. CLAY CONTENT IS NOT TO EXCEED 5%.
2. SOIL pH IS TO BE BETWEEN 5.5 – 6.5.
3. SOILS ARE TO HAVE AN ORGANIC CONTENT OF 1.5% TO 3%. THE MAXIMUM SOLUBLE SALTS IS NOT TO EXCEED 500–PPM.
4. THE SAND COMPONENT IS TO BE GRAVELLY SAND THAT MEETS ASTM D 422

SIEVE SIZE	PERCENT PASSING
2–INCH	100
3/4–INCH	70–100
1/4–INCH	50–80
U.S. NO. 40	15–40
U.S. NO. 200	0–3

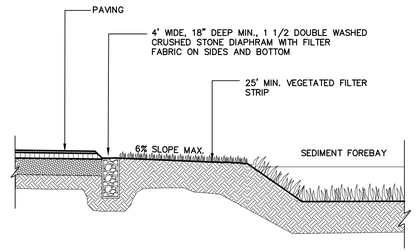
5. TOPSOIL COMPONENT IS TO BE A SANDY LOAM, LOAMY SAND OR LOAM TEXTURE.
6. ON–SITE SOIL MIXING OR PLACEMENT IS NOT ALLOWED IF SOIL IS SATURATED OR SUBJECT TO WATER WITHIN 48 HOURS. COVER AND STORE SOIL TO PREVENT WETTING OR SATURATION.
7. PLANT WITH GRASS–WETLAND MIX.
8. INSTALL FILTER FABRIC ON SIDES OF MEDIUM.

6 BIORETENTION CELL TYPICAL SECTION
N.T.S.

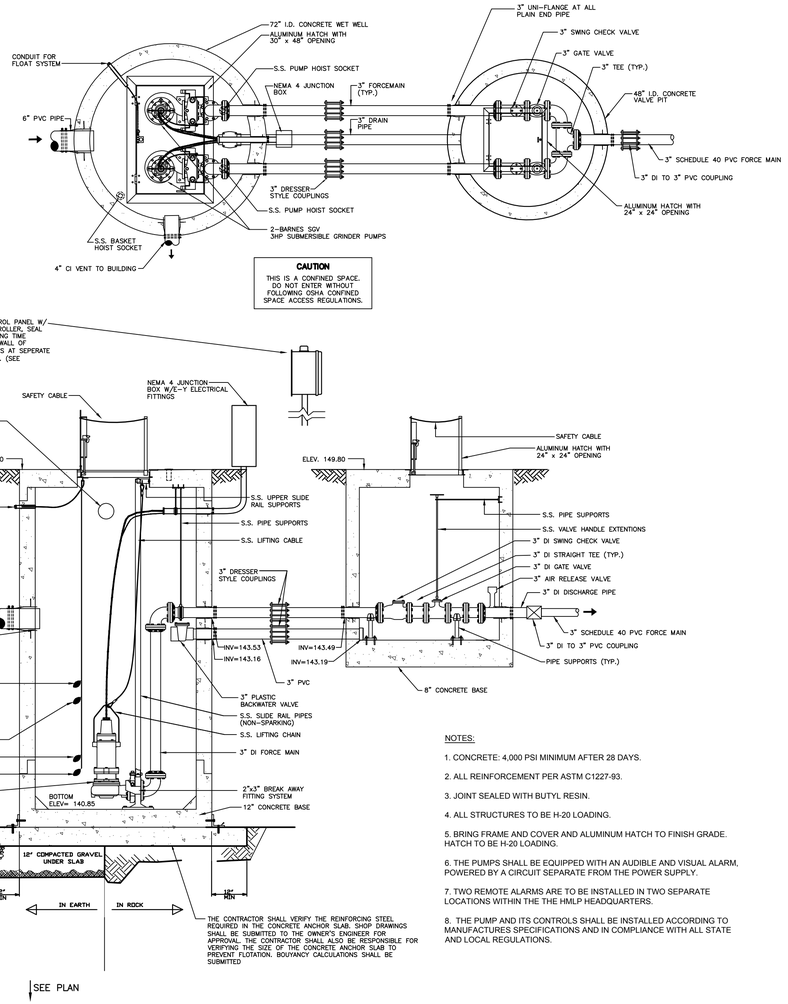


7 DUMPED RIP RAP SLOPE
N.T.S.

NOTE: FOR SLOPES GREATER THAN 2:1 TO MAXIMUM 1:1



8 SECTION THROUGH FILTER STRIP AT SEDIMENT FOREBAY
N.T.S.

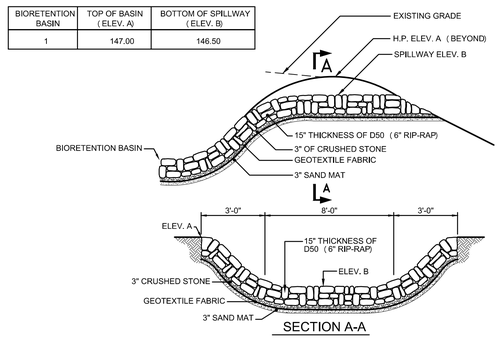


NOTES:

1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. ALL REINFORCEMENT PER ASTM C1227-93.
3. JOINT SEALED WITH BUTYL RESIN.
4. ALL STRUCTURES TO BE H-20 LOADING.
5. BRING FRAME AND COVER AND ALUMINUM HATCH TO FINISH GRADE. HATCH TO BE H-20 LOADING.
6. THE PUMPS SHALL BE EQUIPPED WITH AN AUDIBLE AND VISUAL ALARM, POWERED BY A CIRCUIT SEPARATE FROM THE POWER SUPPLY.
7. TWO REMOTE ALARMS ARE TO BE INSTALLED IN TWO SEPARATE LOCATIONS WITHIN THE THE HMLP HEADQUARTERS.
8. THE PUMP AND ITS CONTROLS SHALL BE INSTALLED ACCORDING TO MANUFACTURES SPECIFICATIONS AND IN COMPLIANCE WITH ALL STATE AND LOCAL REGULATIONS.

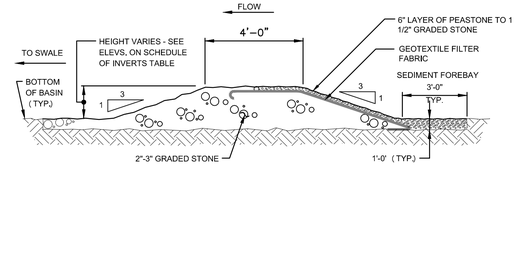
1 PUMP CHAMBER WITH VALVE PIT
N.T.S.

BIORETENTION BASIN	TOP OF BASIN (ELEV. A)	BOTTOM OF SPILLWAY (ELEV. B)
1	147.00	146.50

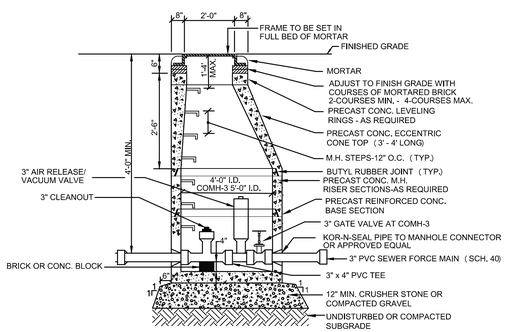


SECTION A-A

4 BIORETENTION BASIN SPILLWAY OUTLET
N.T.S.

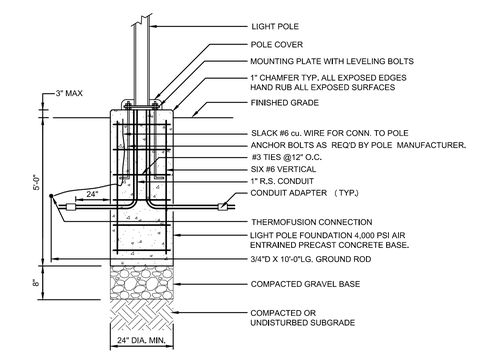


5 SECTION THROUGH FILTER BERM
N.T.S.



NOTE:
1. STRUCTURE ADEQUATE FOR H-20 LOADING

2 CLEAN OUT SEWER MANHOLE
N.T.S.



3 LIGHTPOLE BASE IN LAWN AREAS
N.T.S.

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL
CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	NTS
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

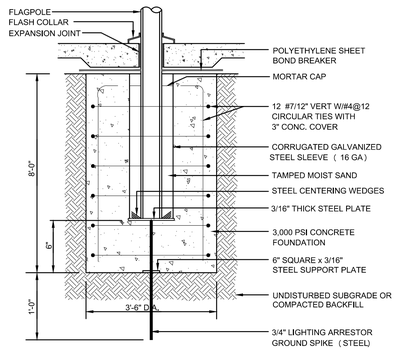
BUILDING:

SHEET TITLE:

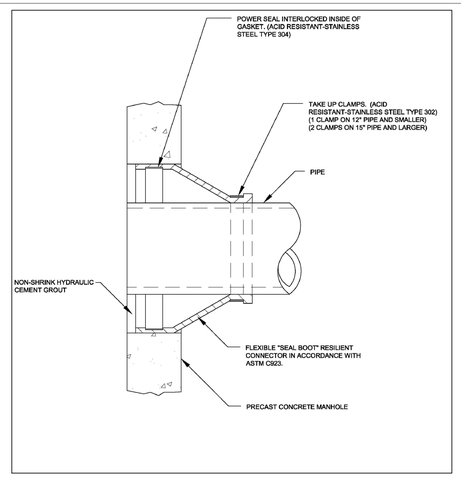
DETAILS IV

DRAWING NO.

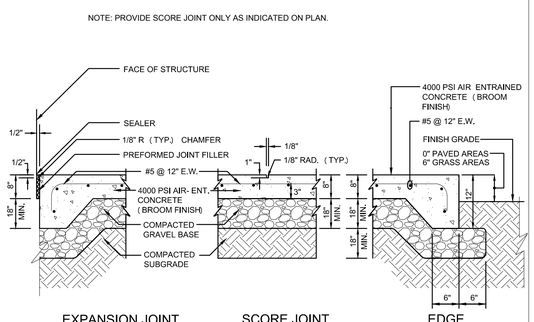
C-504



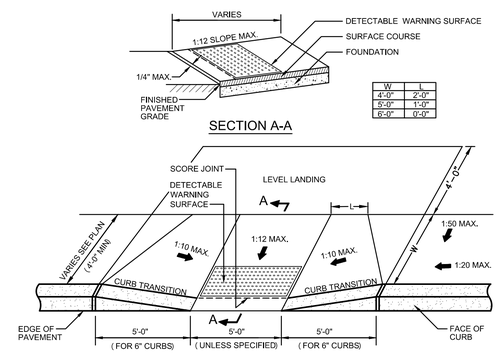
5 FLAGPLOLE FOUNDATION
N.T.S.



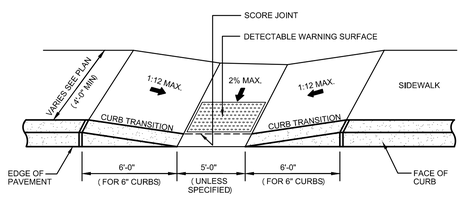
1 MANHOLE SEAL
N.T.S.



2 CONCRETE EQUIPMENT PAD
N.T.S.



3 ACCESSIBLE CURB CUT (TYPE 1)
N.T.S.



4 ACCESSIBLE CURB CUT (TYPE 2)
N.T.S.

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	NTS
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

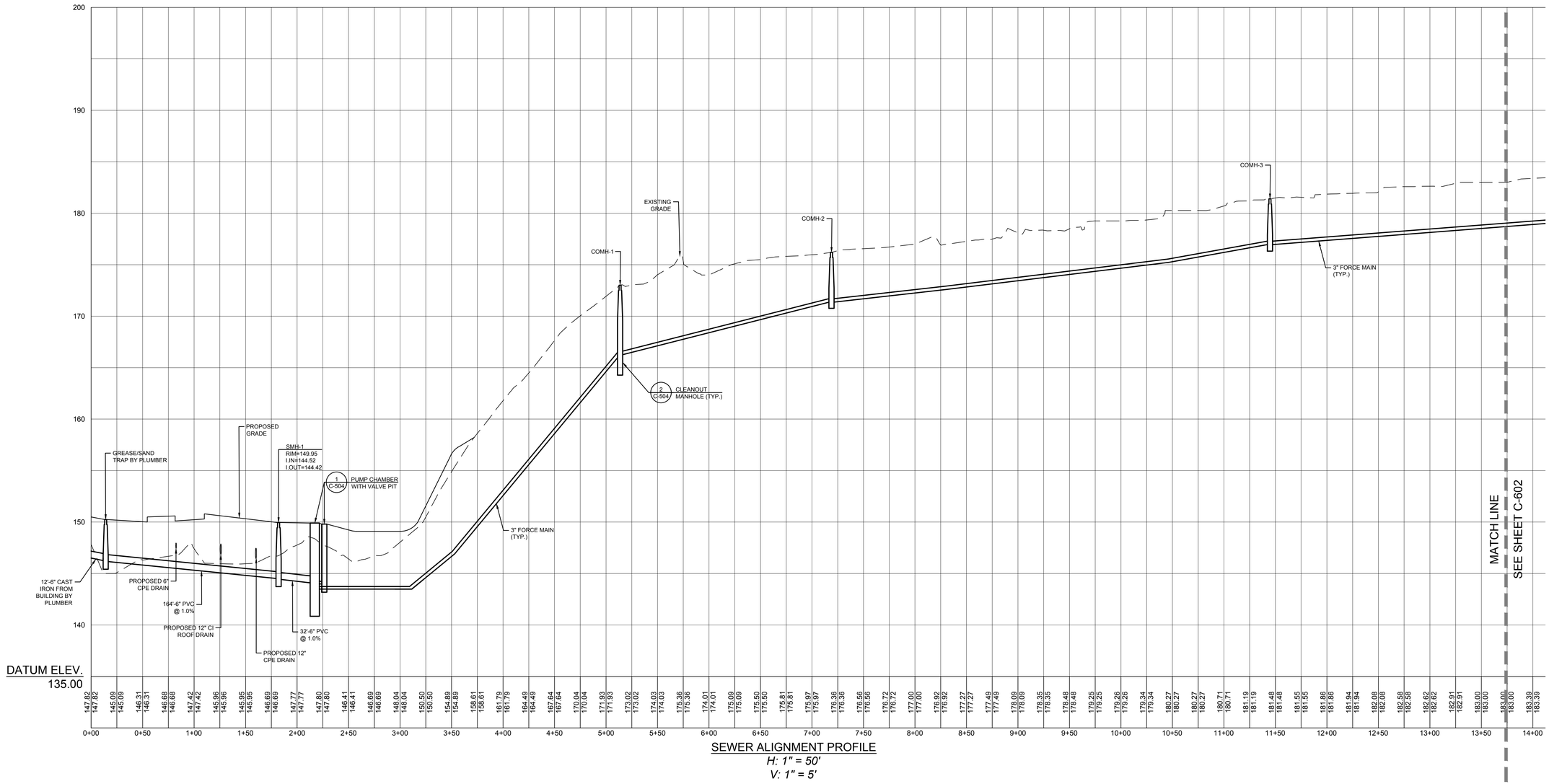
BUILDING:

SHEET TITLE:

DETAILS V

DRAWING NO.

C-505



SEWER ALIGNMENT PROFILE
H: 1" = 50'
V: 1" = 5'

P:\2018\18043\BIM\civil\C-601 SEWER PROFILE.dwg 12/20/2018 2:22:58 PM

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

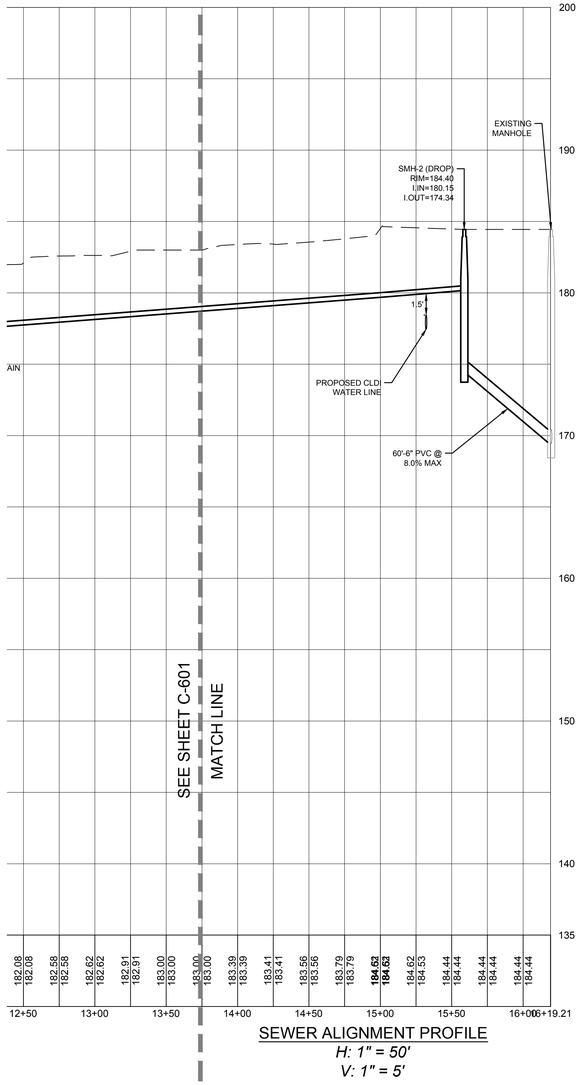
REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	VARIES
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

SHEET TITLE:
SEWER PROFILE I

DRAWING NO.
C-601



SEWER ALIGNMENT PROFILE
H: 1" = 50'
V: 1" = 5'

P:\2018\18043\BIM\cics\C-601 SEWER PROFILE.dwg 12/20/2018 2:22:43 PM

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:

TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:

HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:

SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:

SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:

SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:

JOHN J. MURPHY, JR. ELECTRICAL
CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

COMMONWEALTH OF MASSACHUSETTS
PETER S. GLICK
CIVIL
No. 41514
REGISTERED PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	VARIES
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

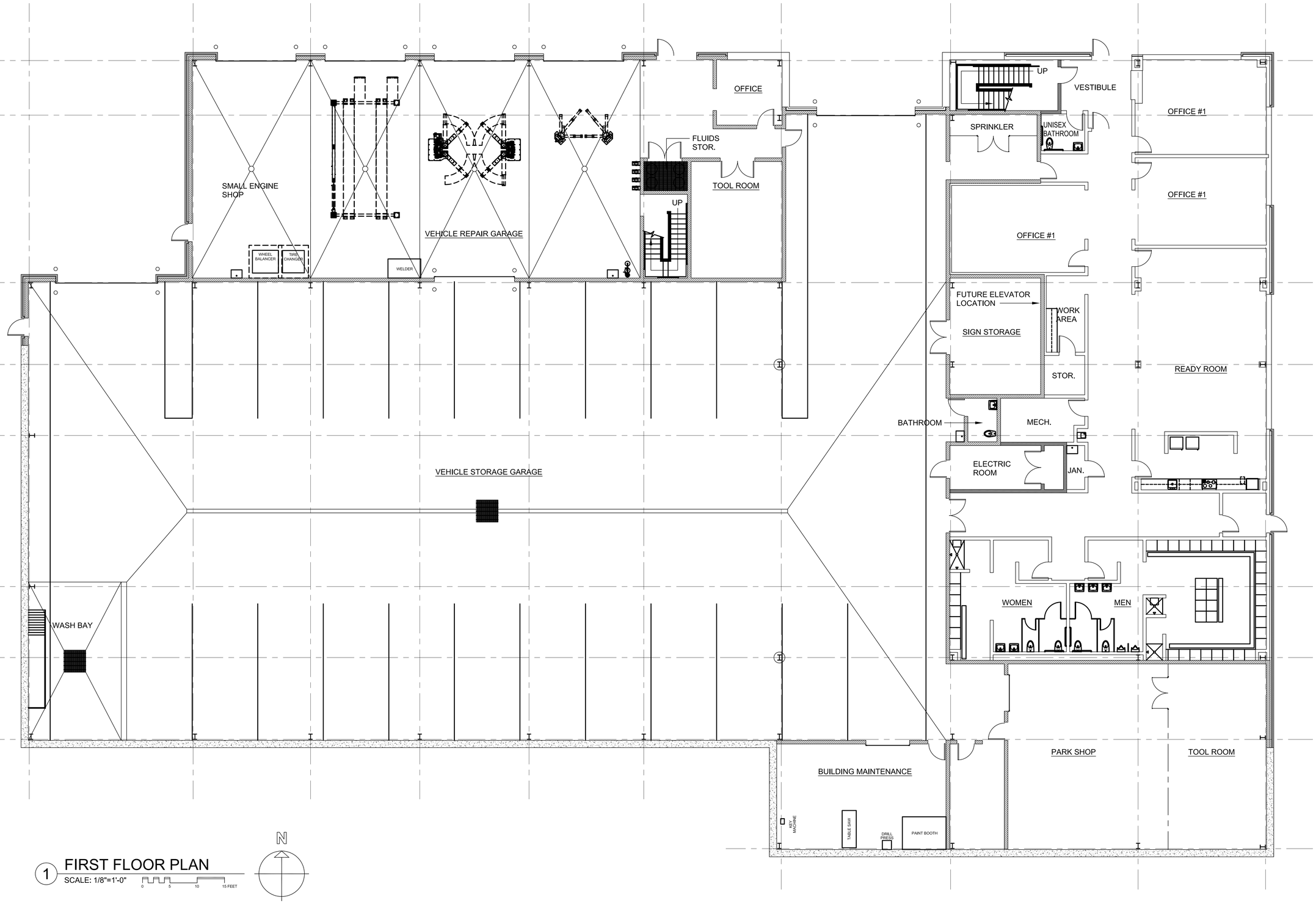
BUILDING:

SHEET TITLE:

SEWER
PROFILE II

DRAWING NO.

C-602



1 FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"
0 5 10 15 FEET

THE TOWN OF MEDWAY MASSACHUSETTS INCORPORATED OCT 25 1713

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

REGISTERED ARCHITECT
GREGORY K YANCHENKO
No. 7430
GROTON MA
COMMONWEALTH OF MASSACHUSETTS

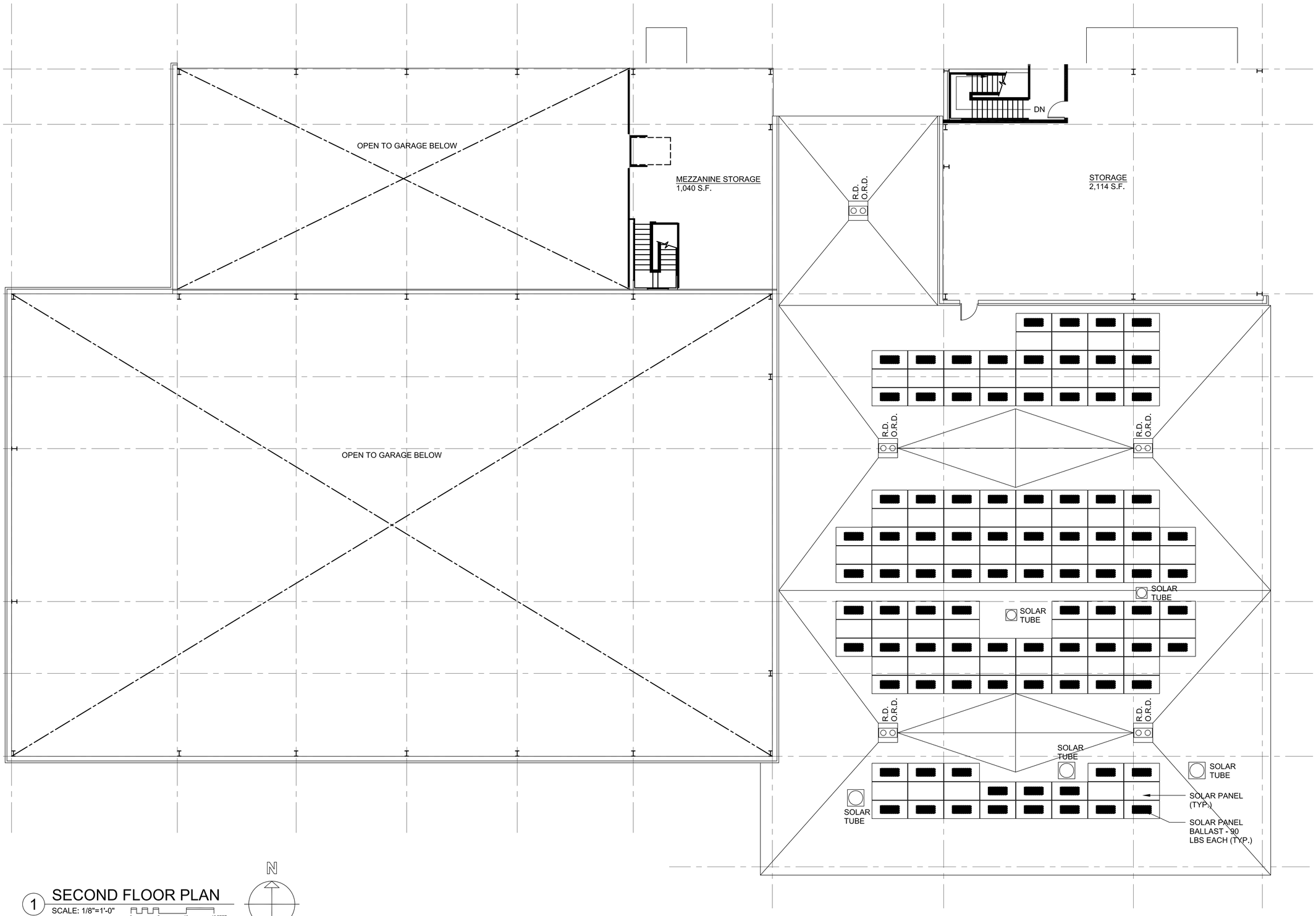
REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1/8" = 1'-0"
DRAWN BY	MTV
CHECKED BY	GKY
PROJECT NO.	18043.00

BUILDING:

SHEET TITLE:
FIRST FLOOR PLAN

DRAWING NO.
A-101



1 SECOND FLOOR PLAN

SCALE: 1/8"=1'-0"

0 5 10 15 FEET

N

THE TOWN OF MEDWAY MASSACHUSETTS INCORPORATED OCT 25 1713

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:

TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:

HELENE · KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:

SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:

SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:

SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:

JOHN J. MURPHY, JR. ELECTRICAL
CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

REGISTERED ARCHITECT
GREGORY K. YANCHENKO
No. 7409
GROTON
MASSACHUSETTS

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1/8" = 1'-0"
DRAWN BY	MTV
CHECKED BY	GKY
PROJECT NO.	18043.00

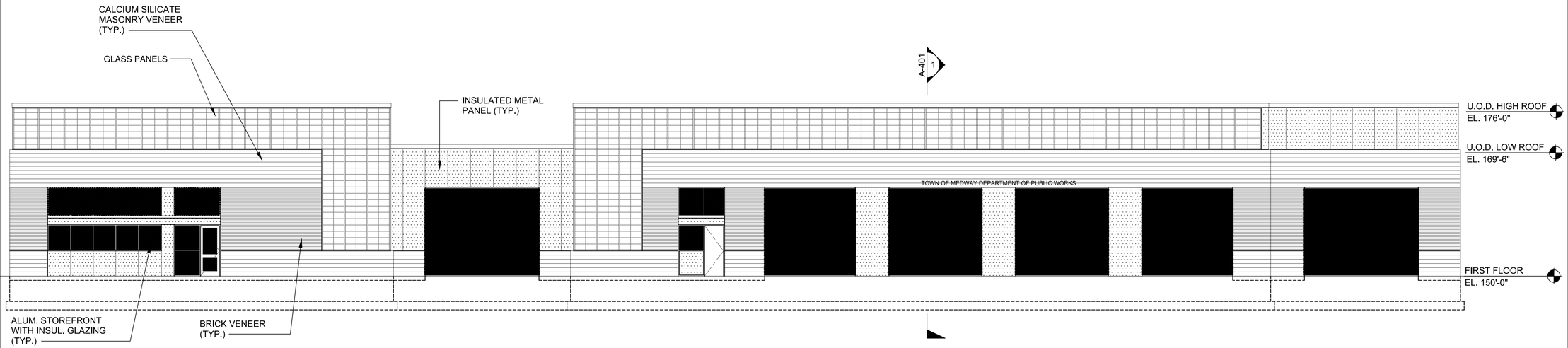
BUILDING:

SHEET TITLE:

A-102

DRAWING NO.

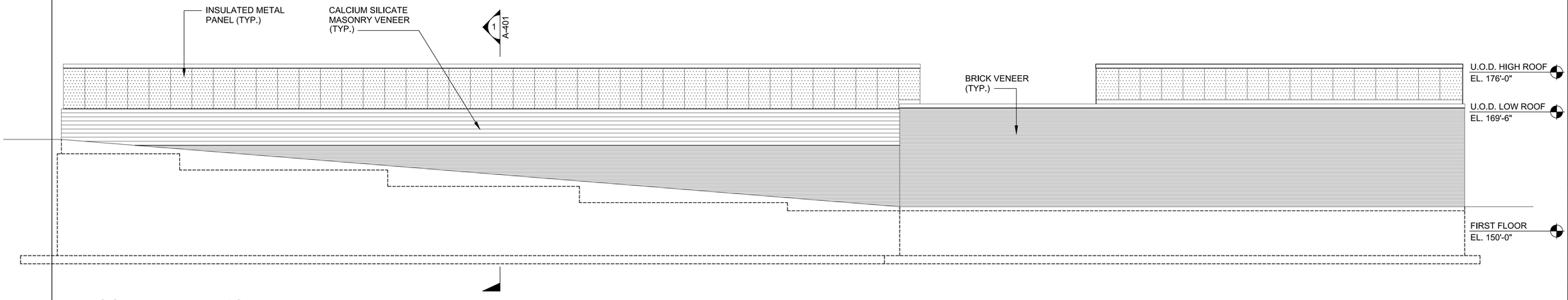
SECOND FLOOR AND LOWER ROOF PLAN



1 NORTH ELEVATION

SCALE: 1/8"=1'-0"

0 5 10 15 FEET



2 SOUTH ELEVATION

SCALE: 1/8"=1'-0"

0 5 10 15 FEET

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL
CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

REGISTERED ARCHITECT
GREGORY K. YANCHENKO
No. 7409
COMMONWEALTH OF MASSACHUSETTS

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1/8" = 1'-0"
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

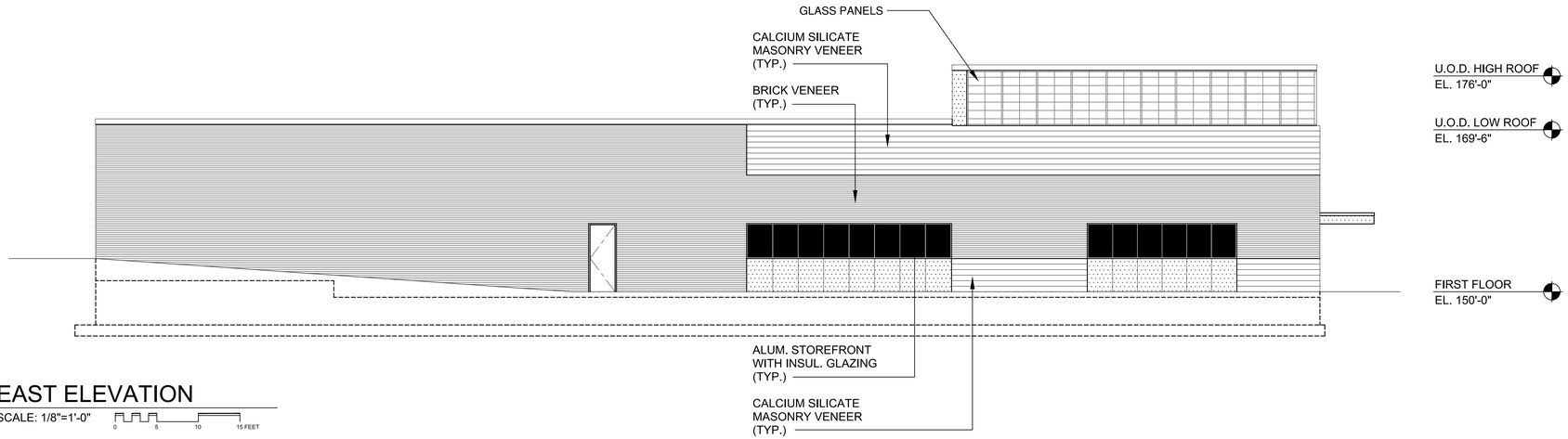
BUILDING:

SHEET TITLE:

EXTERIOR ELEVATIONS SHEET 1

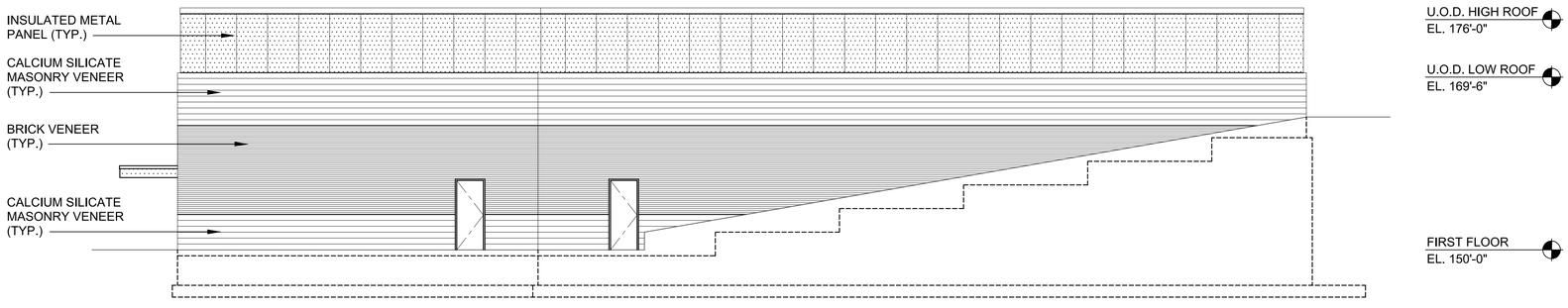
DRAWING NO.

A-301



3 EAST ELEVATION

SCALE: 1/8"=1'-0" 0 5 10 15 FEET



4 WEST ELEVATION

SCALE: 1/8"=1'-0" 0 5 10 15 FEET

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL
CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

REGISTERED ARCHITECT GREGORY S. YANCHENKO No.7400 COMMONWEALTH OF MASSACHUSETTS

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	1/8" = 1'-0"
DRAWN BY	ACO
CHECKED BY	PSG
PROJECT NO.	18043.00

BUILDING:

SHEET TITLE:

EXTERIOR ELEVATIONS SHEET 2

DRAWING NO.

A-302

MEDWAY DPS BUILDING - RENDERING 1

MATERIAL STORAGE BUILDING

MEDWAY DPS BUILDING - RENDERING 2

SALT STORAGE BUILDING
FRONT VIEW

SALT STORAGE BUILDING
REAR VIEW

MEDWAY DPS BUILDING - RENDERING 3

SALT STORAGE BUILDING
INTERNAL VIEW

SOLAR CANOPY AT
TRUCK PARKING

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:

TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:

HELENE • KARL
Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:

SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:

SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:

SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:

JOHN J. MURPHY, JR. ELECTRICAL
CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

REGISTERED ARCHITECT
GREGORY K. YANCHENKO
No. 7430
GROTON, MA
COMMONWEALTH OF MASSACHUSETTS

REV	DATE	DESCRIPTION
	12/20/18	ISSUED FOR SITE PLAN REVIEW
	11/28/18	ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW
	11/08/18	ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD

DATE	
SCALE	NTS
DRAWN BY	MTV
CHECKED BY	GKY
PROJECT NO.	18043.00

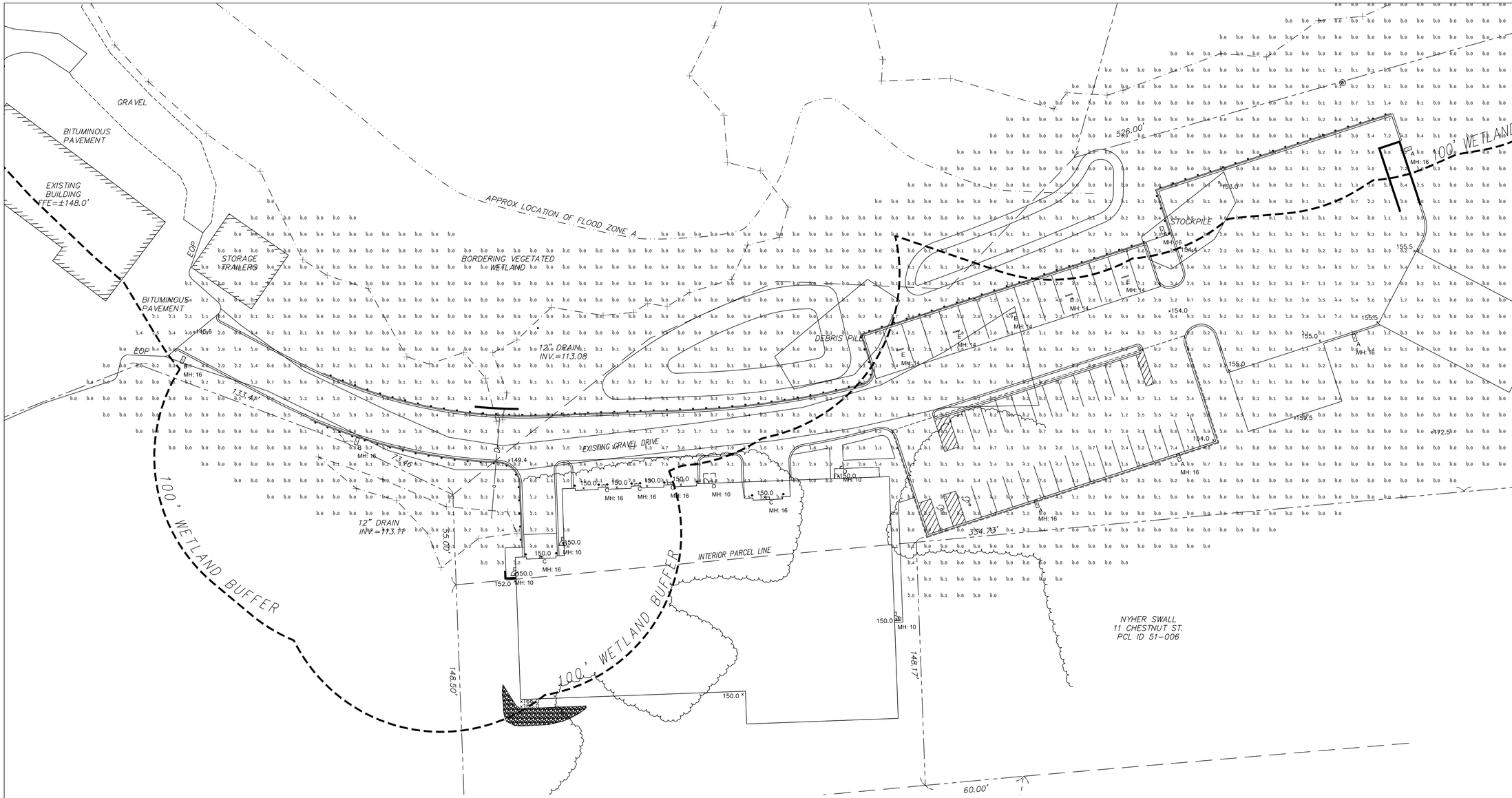
BUILDING:

SHEET TITLE:

RENDERINGS

DRAWING NO.

A-303



1 Photometric Layout

SCALE: 1"=30'-0"

L□□ □□□n□ S□□□d □□□						
S□□ □□□	□ □□	L□□□□	D□□□r□□□□	LLF	L□□, L□□ □□□	L□□, W□□□
	5	A	XTRALIGHT VNTLEDM022004SNDIM510XXB□HOHS	0.850	15013	218.3
	2	B	XTRALIGHT VNTLEDM021003MNDIM510XXB□HOHS	0.850	□1□4	104.6
	5	C	XTRALIGHT VNTW-8000L-40K-DIM-4S-B□	0.850	84□8	□□6
	5	D	XTRALIGHT VNTW-3500L-50K-DIM-3M-B□	0.850	3452	2□□
	5	E	XTRALIGHT VTE4-5000L-40K-DIM-SFA	0.850	5268	44.4

C□□□□□□□□□ S□□ □ □r□							
L□□□□	C□□T□□□	U□□□	A□□	M□□	M□□	A□□/M□	M□□/M□
S□□ P□□□□	I□□□ □□□□□	F□	0.66	8.8	0.0	N.A.	N.A.

ABBREVIATIONS:

A□□= A□□r□□□
AFG= A□□□□ F□□□□□d Gr□d□
CF = C□□ □□□□F□□□r□□□□□□
CV= C□□□□□□□□□□□□□r□□□□□
□□ = F□□□□□□d□□□
HPS = H□□□ Pr□□□□r□ S□d□□□
LLF= L□□□L□□□F□□□r
MH = M□□□□□□ H□□□□
NTS = N□□□□ S□□□□
PSMH = P□□□□ S□□r□M□□□□H□□d□
SF = S□□□r□ □□□□
W = W□□□□

NOTES:

A. CALCULATION POINTS INDICATED ARE BASED ON MAINTAINED FOOTCANDLE (FC) LEVELS AFTER A LIGHT LOSS FACTOR (LLF) IS APPLIED TO FIXTURE. REFER TO SCHEDULES FOR LLF AND LUMEN INFORMATION.
B. REFER TO PLAN FOR FIXTURE MOUNTING HEIGHTS.
C. CALCULATION POINTS TAKEN AT GRADE.

SK & Associates
Experience the light™
20/22 Carver Circle
Canton, MA 02021
T - 781-821-1700
www.skandassociates.com

PROJECT NAME
Medway DPS

CLIENT
Electrical Construction & Engineering

SEAL

REVISIONS

No.	Description	Date
5.		
4.		
3.		
2.		
1.		

Issue Date:	12/12/2018
Project #:	18210
Drawn:	CR
Checked:	T□
Approved:	VM
Scale:	AS NOTED

DRAWING NAME
Lighting Layouts & Schedules

DRAWING NUMBER
SL1

Copyright SK & Associates Inc. 2017

File Name: M□d□□ DPS SL1.d□□