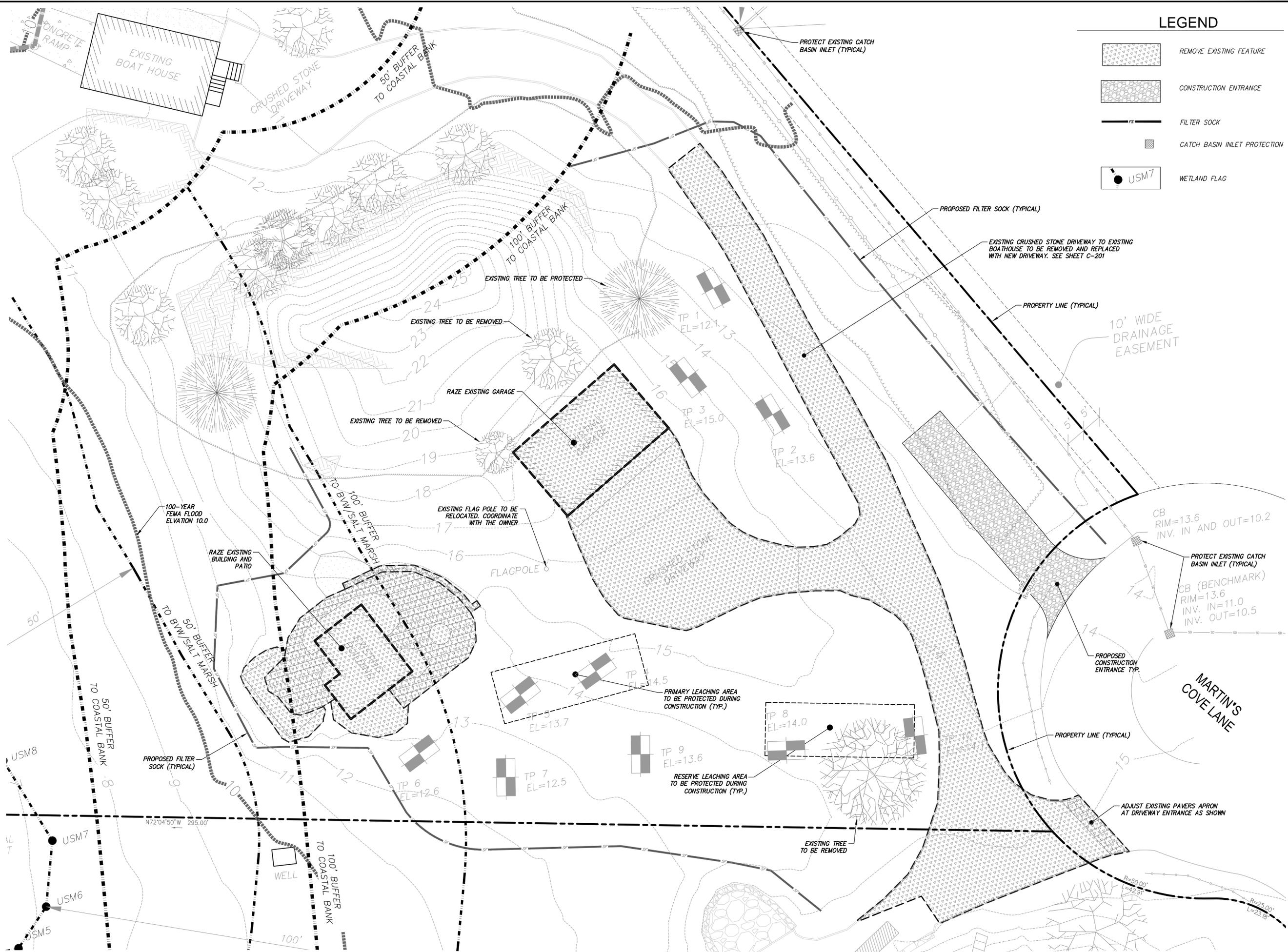
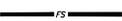


File: \\CHA-LFP\PROJ\PROJECTS\WV\433792_C-004\EROSION AND DEMO PLAN.DWG - Sheet: 5/7/2020 3:50:16 PM - Plotter: 5/4/2020 1:30:31 PM - Current User: Danil, Izzem, LestawedBy: 5400



LEGEND

-  REMOVE EXISTING FEATURE
-  CONSTRUCTION ENTRANCE
-  FILTER SOCK
-  CATCH BASIN INLET PROTECTION
-  WETLAND FLAG

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0 10 20
Scale in feet

OWNER/ APPLICANT:

DEBORAH ZILDJIAN
 6 MARTINS COVE LANE
 HINGHAM, MA 02043



KELLY KILLEEN
 CIVIL
 No. 38961
 REGISTERED PROFESSIONAL ENGINEER
 5/1/20

IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER ANY PLAN, SPECIFICATION OR CONTRACT DOCUMENTS. IF THE SEAL OR STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE WORDS "ALTERED BY FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

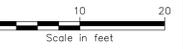
SINGLE - FAMILY HOME
 at
 10 MARTINS COVE LANE
 HINGHAM, MA 02043

No.	Submittal / Revision	App'd. By	Date
1	CONCOM RDA-SUBMITTAL	KK HD	05/01/20

DEMOLITION & EROSION CONTROL PLAN

Designed By: HD/JPM	Drawn By: HD/JPM	Checked By: KK
Issue Date: 03/05/2020	Project No: 33792	Scale: 1"=10'

Drawing No.:
C-004



OWNER/APPLICANT:

DEBORAH ZILDJIAN
6 MARTINS COVE
LANE
HINGHAM, MA 02043



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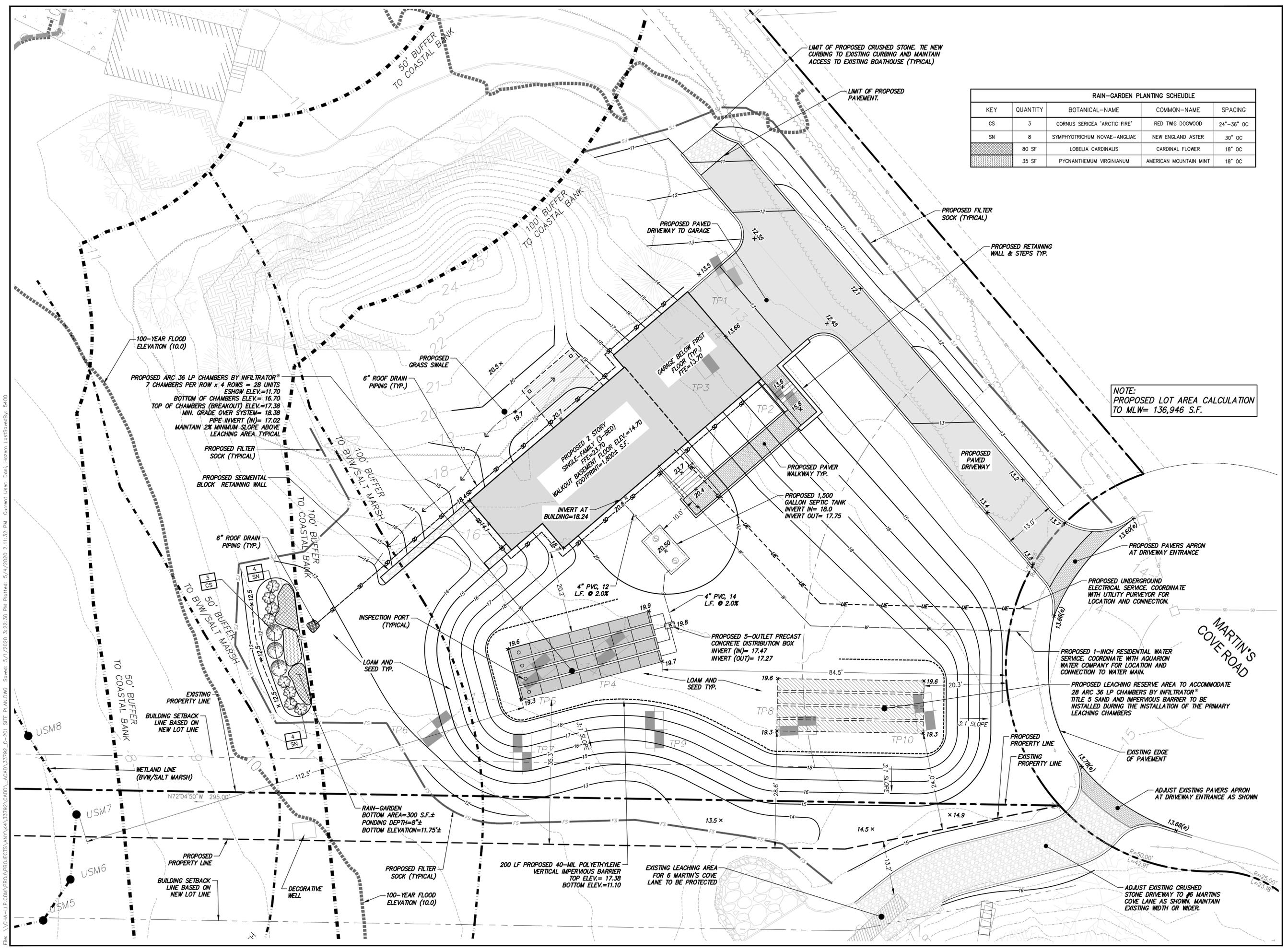
SINGLE - FAMILY HOME
at
10 MARTINS COVE
LANE
HINGHAM, MA 02043

No.	Submittal / Revision	App'd. By	Date
1	CONCOM RDA-SUBMITTAL	KK	05/01/20

SITE PLAN

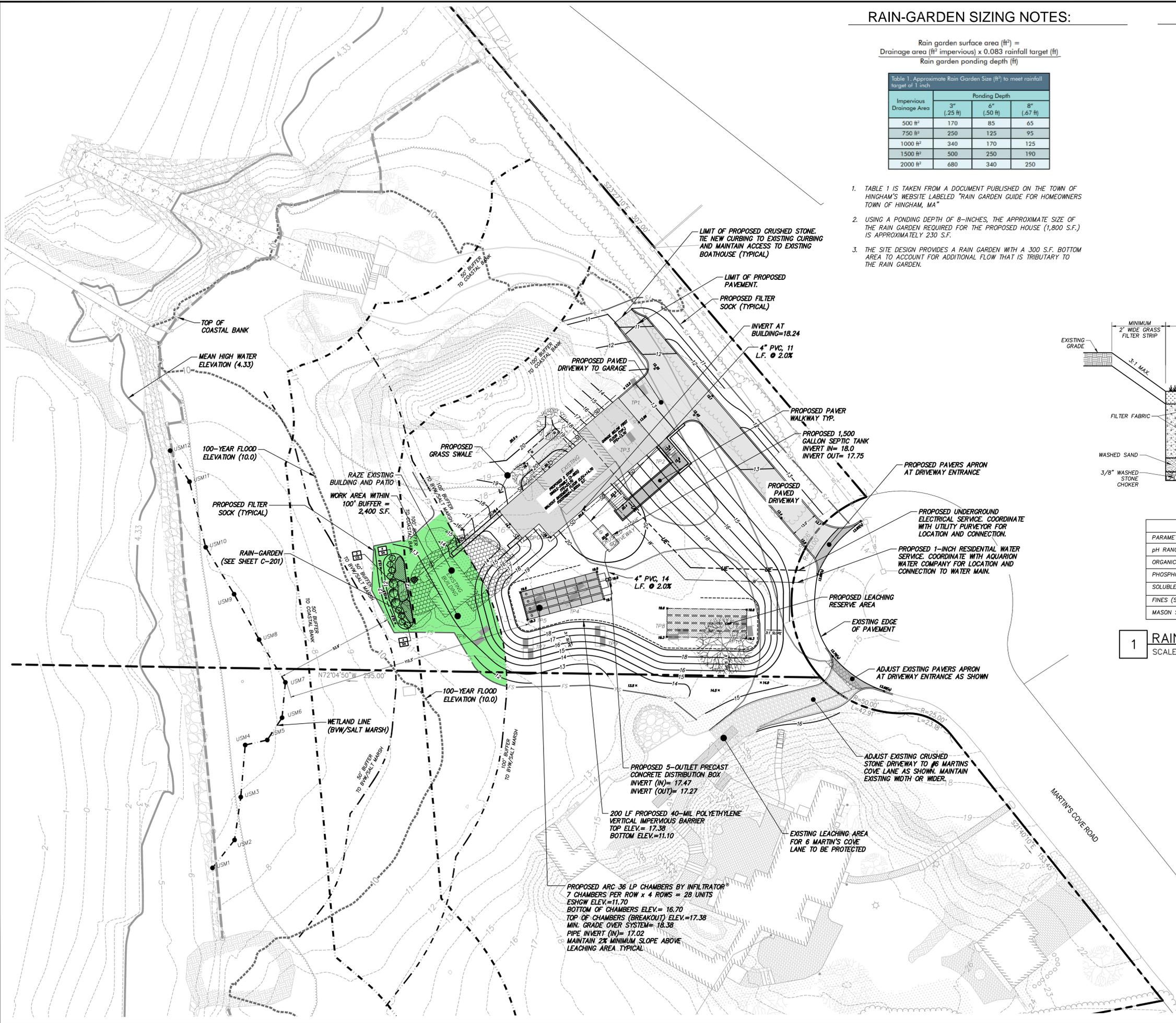
Designed By:	Drawn By:	Checked By:
HD/JPM	HD/JPM	KK
Issue Date:	Project No:	Scale:
03/05/2020	33792	As Shown

Drawing No.:
C-201



File: \\CHA-LFP-COM\PROJ\PROJECTS\MA\14\33792\CADD\33792_C-201_SIT PLAN.DWG Sheet: 5/17/2020 3:22:30 PM Plotfile: 5/17/2020 2:11:32 PM Current User: Dan, Hazen

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RAIN-GARDEN SIZING NOTES:

$$\text{Rain garden surface area (ft}^2\text{)} = \frac{\text{Drainage area (ft}^2\text{ impervious)} \times 0.083 \text{ rainfall target (ft)}}{\text{Rain garden ponding depth (ft)}}$$

Table 1. Approximate Rain Garden Size (ft²) to meet rainfall target of 1 inch.

Impervious Drainage Area	Ponding Depth		
	3" (.25 ft)	6" (.50 ft)	8" (.67 ft)
500 ft ²	170	85	65
750 ft ²	250	125	95
1000 ft ²	340	170	125
1500 ft ²	500	250	190
2000 ft ²	680	340	250

- TABLE 1 IS TAKEN FROM A DOCUMENT PUBLISHED ON THE TOWN OF HINGHAM'S WEBSITE LABELED "RAIN GARDEN GUIDE FOR HOMEOWNERS TOWN OF HINGHAM, MA"
- USING A PONDING DEPTH OF 8-INCHES, THE APPROXIMATE SIZE OF THE RAIN GARDEN REQUIRED FOR THE PROPOSED HOUSE (1,800 S.F.) IS APPROXIMATELY 230 S.F.
- THE SITE DESIGN PROVIDES A RAIN GARDEN WITH A 300 S.F. BOTTOM AREA TO ACCOUNT FOR ADDITIONAL FLOW THAT IS TRIBUTARY TO THE RAIN GARDEN.

LEGEND

- FILTER SOCK
- WETLAND FLAG
- RESOURCE AREA BUFFER
- 100-YEAR FLOOD ELEVATION ZONE (AE)
- TOP OF COASTAL BANK
- MEAN HIGHWATER ELEVATION 4.33
- WORK AREA WITHIN THE 100' RESOURCE AREA BUFFER = 2,400 S.F.

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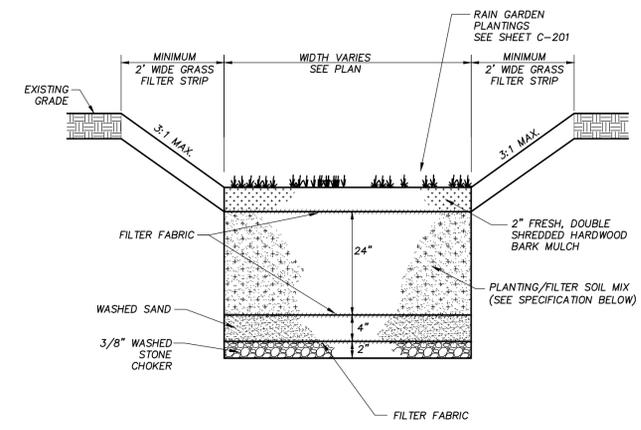
No.	Submittal / Revision	App'd. By	Date
1	CONCOM RDA-SUBMITTAL	KK	05/01/20

BUFFER AREA DISTURBANCE PLAN

Designed By:	Drawn By:	Checked By:
HD/JPM	HD/JPM	KK

Issue Date:	Project No:	Scale:
03/05/2020	33792	As Shown

Drawing No.:
C-202



PLANTING/FILTER SOIL MIX SPECIFICATIONS

PARAMETER	VALUE
pH RANGE	5.2 TO 7.00
ORGANIC MATTER	3.0 TO 4.0% (BY VOLUME)
PHOSPHORUS	P-INDEX 10-30
SOLUBLE SALTS	≤ 500 PPM
FINES (SILT & CLAY)	8 TO 12%
MASON SAND	85 TO 88%

1 RAIN-GARDEN DETAIL
 SCALE: NO SCALE