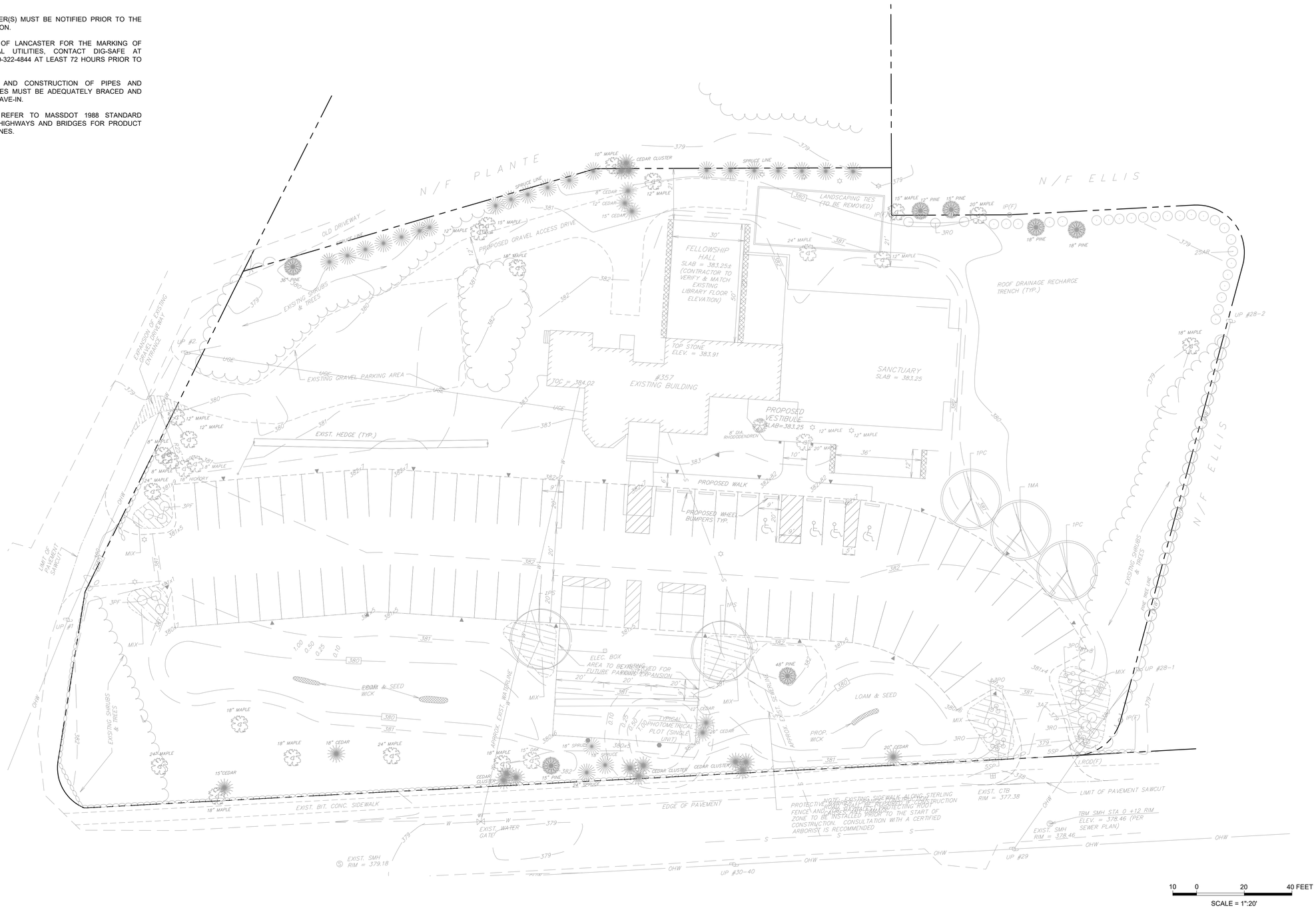
NOTES

1. BASE MAPPING OF THE PROJECT SITE IS A RESULT OF AN ON THE GROUND SURVEY DONE BY DAVID E. ROSS & ASSOCIATES OF AYER, MA LOCATIONS OF EXISTING SITE FEATURES SHALL BE CONSIDERED APPROXIMATE.
2. CONTRACTOR IS TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PROPOSED WORK.
3. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION AND SIZE OF ALL UTILITIES WHICH MAY EXIST AT THIS TIME INSIDE OR OUTSIDE OF EXISTING OR PROPOSED BUILDINGS, ON THE SUBJECT PROPERTY, WITHIN THE STREET RIGHT-OF-WAY, OR ON ABUTTING LOTS.
4. THE ADJACENT ABUTTER(S) MUST BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION.
5. CONTACT THE TOWN OF LANCASTER FOR THE MARKING OF LANCASTER MUNICIPAL UTILITIES, CONTACT DIG-SAFE AT 1-888-344-7233 OR 1-800-322-4844 AT LEAST 72 HOURS PRIOR TO EXCAVATION.
6. DURING EXCAVATION AND CONSTRUCTION OF PIPES AND STRUCTURES, TRENCHES MUST BE ADEQUATELY BRACED AND PROTECTED AGAINST CAVE-IN.
7. CONTRACTOR SHALL REFER TO MASSDOT 1988 STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES FOR PRODUCT AND MATERIAL GUIDELINES.

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BOBREK Engineering & Construction

PO BOX 2185
DANVERS, MA 01923
WWW.gobobrek.COM

CLIENT INFO

357 STERLING RD
LANCASTER, MA

PROJECT INFO

| REV | DESCRIPTION | DATE |
|---|---|---|

STAMP:

EXISTING CONDITIONS

SHEET NAME:

C-100

SHT NO:

DR BY: BTP
CHK BY: JPB
PROJ NO: 23-004
DATE: MAY 2023
SCALE: 1"=20'

NOTES

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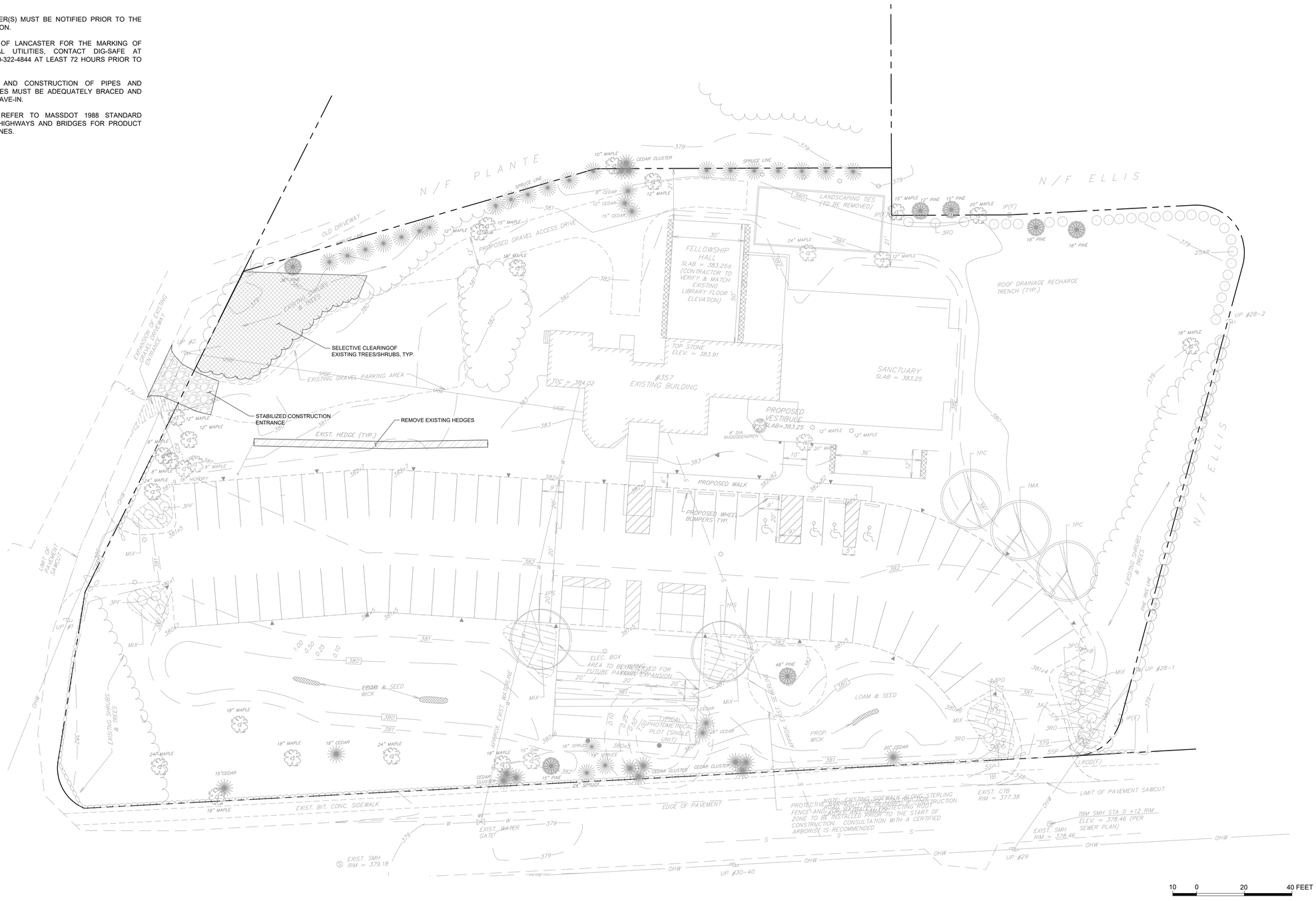


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357 STERLING RD
LANCASTER, MA

PROJECT INFO

| REV | DESCRIPTION | DATE |
|---|---|---|

STAMP:

SITE PREP PLAN

SHEET NAME:

C-200

SHT NO:

DR BY: BTP
CHK BY: JPB
PROJ NO: 23-004
DATE: MAY 2023
SCALE: 1"=20'

NOTES

1. BASE MAPPING OF THE PROJECT SITE IS A RESULT OF AN ON THE GROUND SURVEY DONE BY DAVID E. ROSS & ASSOCIATES OF AYER, MA LOCATIONS OF EXISTING SITE FEATURES SHALL BE CONSIDERED APPROXIMATE.
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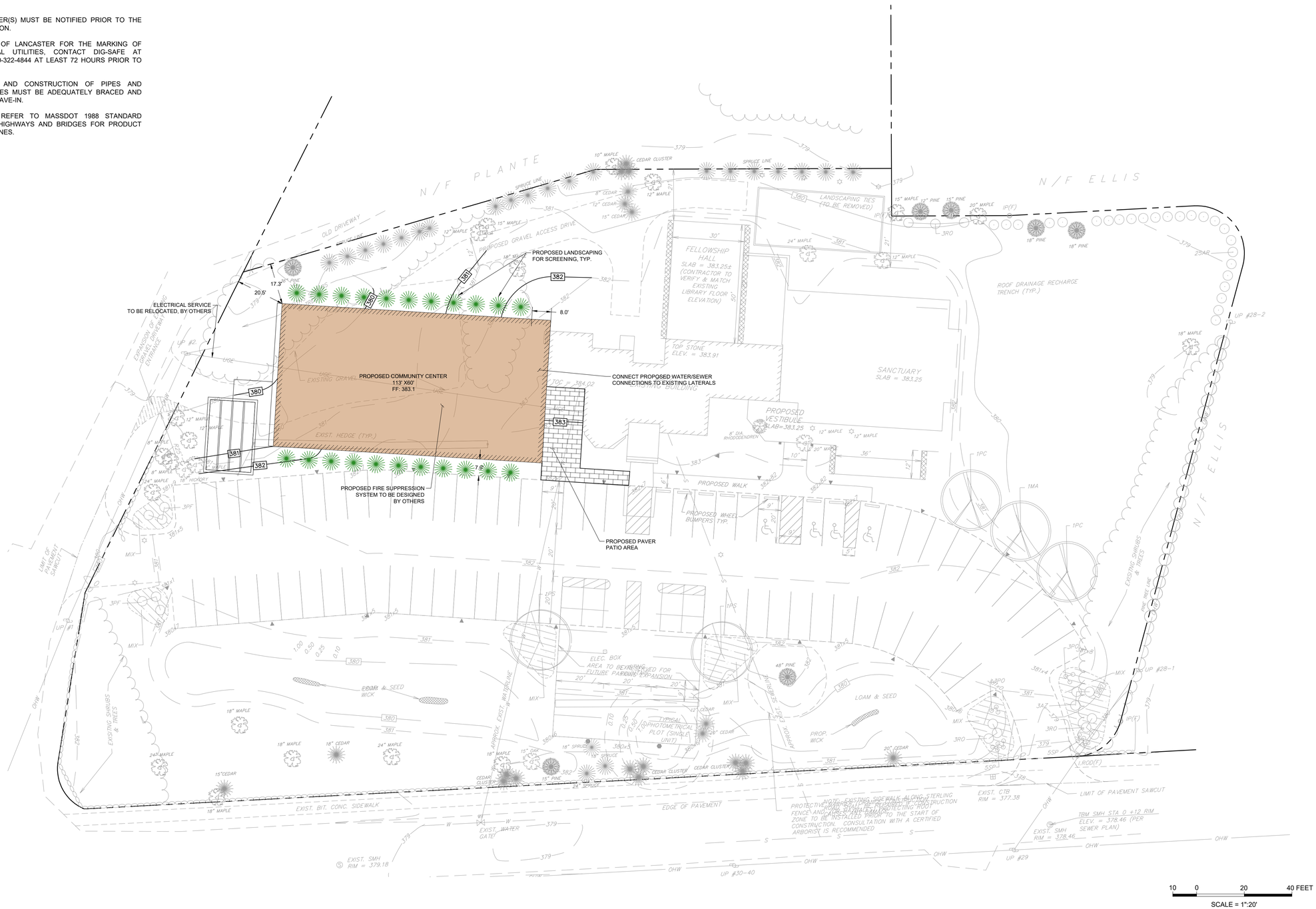


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357 STERLING RD
LANCASTER, MA

PROJECT INFO

| REV | DESCRIPTION | DATE |
|---|---|---|

STAMP:

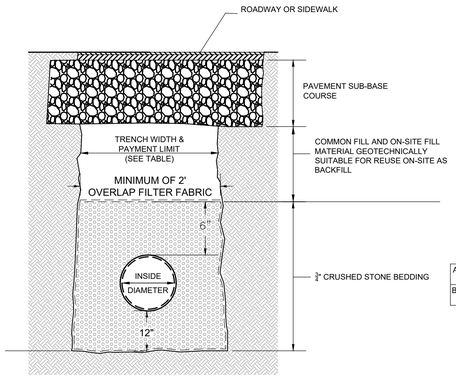
SITE PLAN

SHEET NAME:

C-300

SHT NO:

DR BY: BTP
CHK BY: JPB
PROJ NO: 23-004
DATE: APRIL 2023
SCALE: 1"=20'




TRENCH PAY LIMIT TABLE FOR PIPES

| PIPE SIZE (DIA.) | MAX TRENCH WIDTH |
|---|---|
| LESS THAN 2" | 2'-0" |
| 2" TO 6" | 3'-0" |
| 8" TO 22" | 4'-0" |
| 24" & GREATER | I.D. + 2'-0" |

I.D. = INSIDE DIMENSION

FOR TRENCHES GREATER THAT 5' DEEP ADD MAXIMUM 3' FOR TEMPORARY SUPPORT OF EXCAVATION

FILTER FABRIC USE

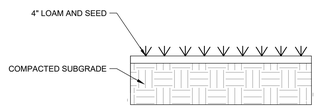
| | SOIL TYPE | |
|---|---|---|
| | SILT OR CLAY | GRANULAR SOIL |
| ABOVE GROUND WATER | FILTER FABRIC NOT REQUIRED | FILTER FABRIC NOT REQUIRED |
| BELOW GROUND WATER | FILTER FABRIC REQUIRED | FILTER FABRIC NOT REQUIRED |

NOTE:

ANY LENGTHS OF PIPE BETWEEN STRUCTURES OVER 150' IN LENGTH SHALL HAVE A BENTONITE CHIP DAM INSTALLED 1' WIDE BY PIPE BEDDING CROSS SECTION

## TYPICAL UTILITY TRENCH

**NOT TO SCALE**

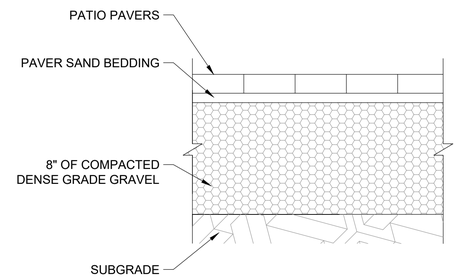



## GRASS RESTORATION

**NOT TO SCALE**

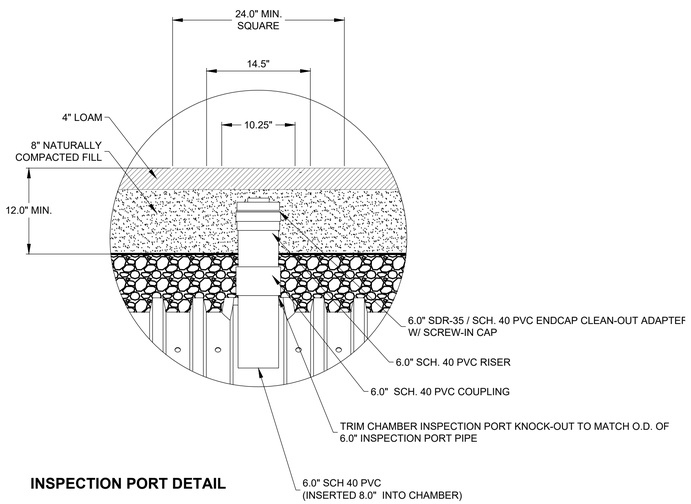
NOTE:

1. CONTRACTOR SHALL BE RESPONSIBLE TO ESTALISH & MAINTAIN GROWTH FOR 2 MONTHS OF GROWING SEASON.
2. GRASS SEED SHALL MATCH EXISTING CONDITIONS.

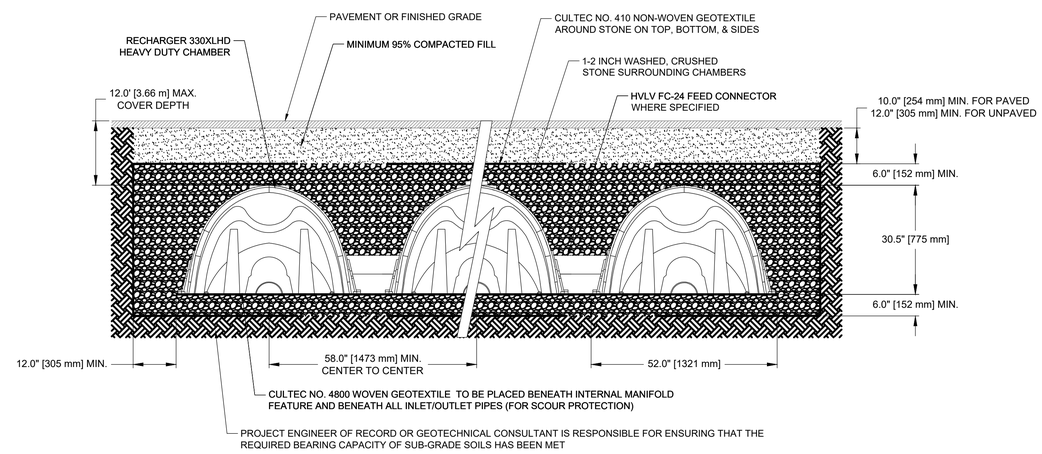



## PATIO PAVER SECTION

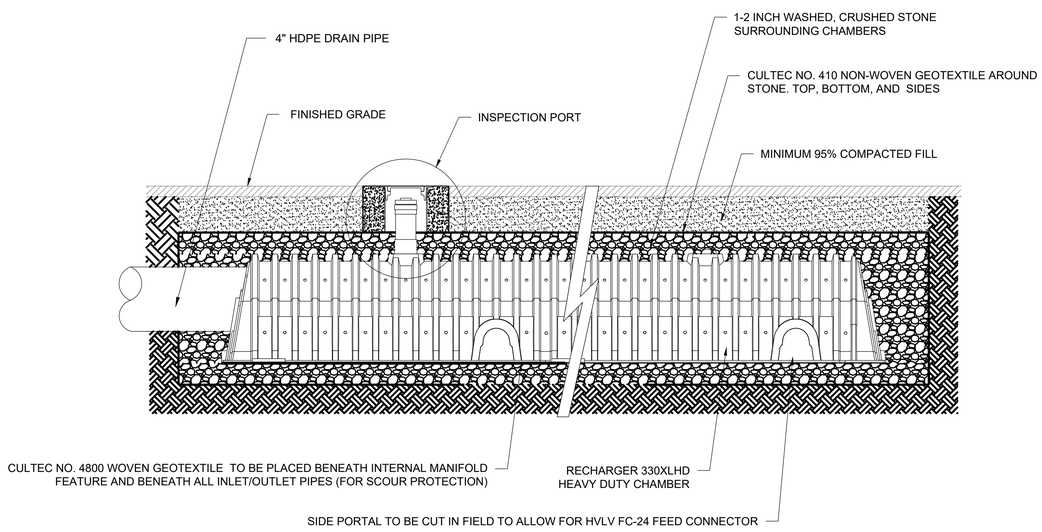
**NOT TO SCALE**



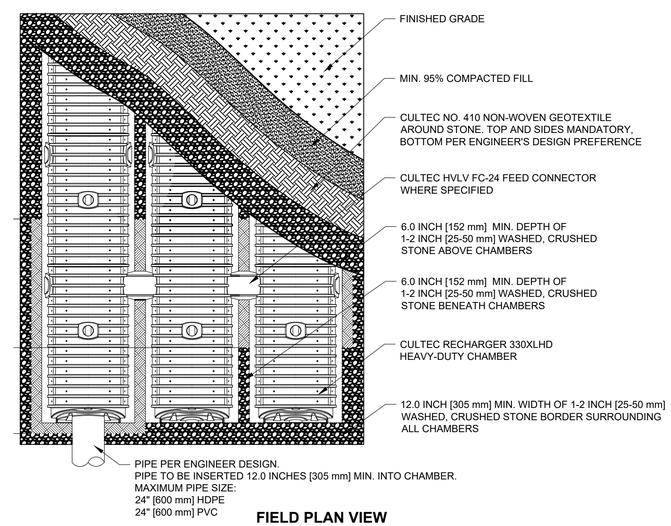

**INSPECTION PORT DETAIL**




CROSS SECTION




CHAMBER PROFILE




**FIELD PLAN VIEW**

10 0 20 40 FEET

SCALE = 1":20'

CULTEC R-330XLHD INFILTRATION CHAMBER

(NOT TO SCALE)

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CLIENT INFO

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LANCASTER, MA

PROJECT INFO

| REV | DESCRIPTION | DATE |
|---|---|---|

STAMP:

CIVIL DETAILS

SHEET NAME:

C-400

SHT NO:

DR BY: BTP

CHK BY: JPB

PROJ NO: 23-004

DATE: JUNE 2023

SCALE: 1"=20'