

VICINITY MAP
N.T.S.

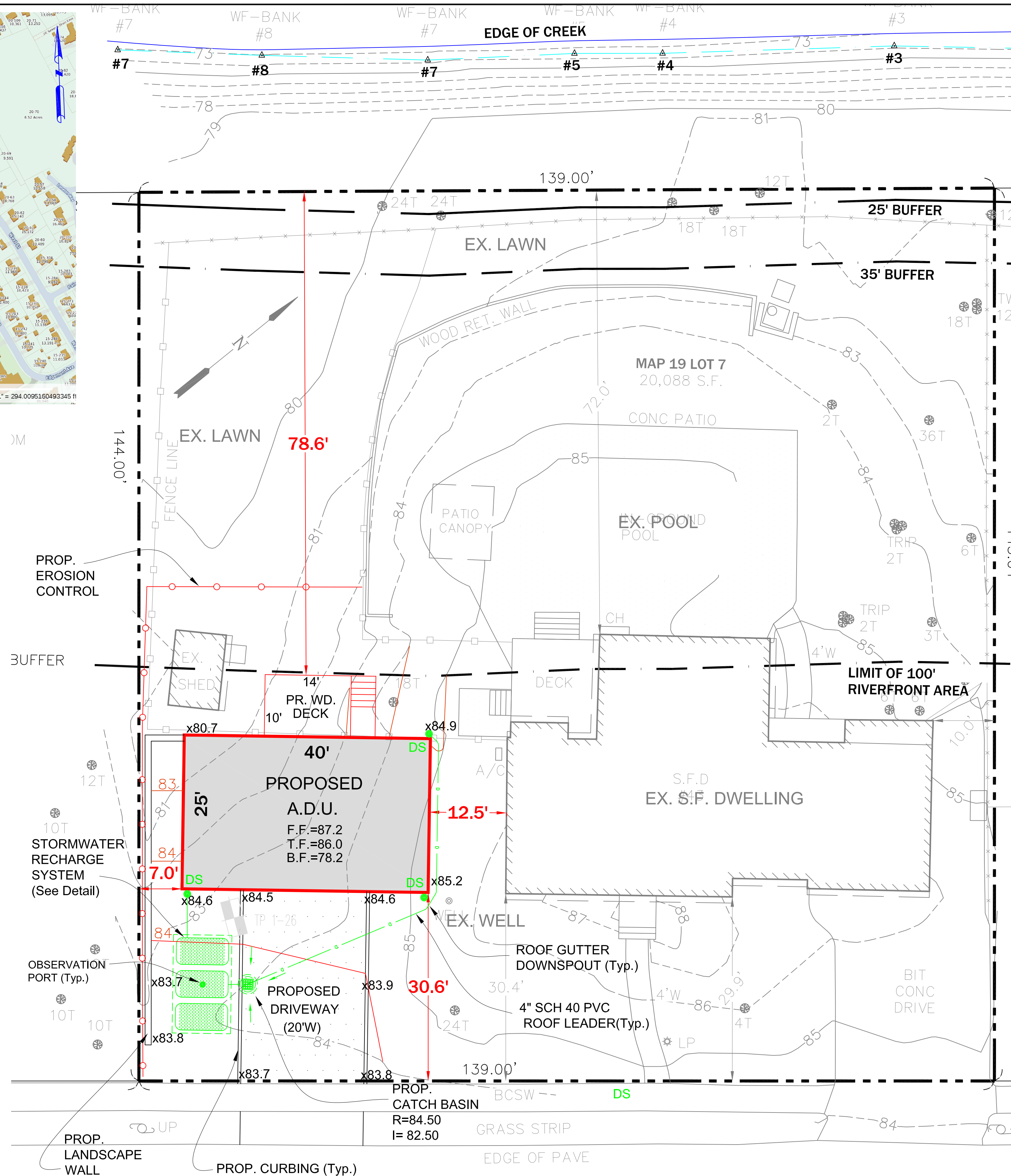
GENERAL NOTES:

- EXISTING CONDITIONS AND UTILITIES FROM A PLAN PREPARED BY: STEPHEN M. MELESCIUC DATED: AUGUST 22, 2025
- THE LOCATION OF EXISTING UTILITIES INCLUDING PIPES, CONDUITS, MANHOLES, POLES, AND OTHER UTILITY FEATURES AS SHOWN ON THESE PLANS ARE NOT WARRANTED TO BE CORRECT OR COMPLETE. **CONTRACTOR SHALL VERIFY UTILITIES AND NOTIFY DIGSAFE PRIOR TO ANY EXCAVATIONS.**
- THE READING ENGINEERING DEPT. MUST BE NOTIFIED AT LEAST 24 HOURS BEFORE ANY DRAINAGE CONSTRUCTION BEGINS.
- INSTALLATION OF UTILITIES SHALL CONFORM TO ALL APPLICABLE MASSACHUSETTS AND CITY OF READING REGULATIONS, CODES, AND STANDARDS.
- THIS PLAN PROVIDES INFORMATION FOR EXTERIOR UTILITIES ONLY. UTILITIES INSIDE THE BUILDING TO BE DESIGNED AND SPECIFIED BY OTHERS.
- FINAL AS-BUILT DRAWINGS SHOULD BE PROVIDED TO APPROPRIATE MUNICIPAL DEPT. WITHIN 60 DAYS OF THE INSTALLATION OF THE APPLICABLE SERVICE.
- OWNER OF RECORD: ROBERT & SUSAN SHERBURNE 43 ARCADIA AVE. READING, MA

DRAINAGE NOTES:

- THE STORMWATER RECHARGE SYSTEM HAS BEEN DESIGNED TO CAPTURE A 25 YEAR - 24 HOUR STORM EVENT FOR THE ADDITIONAL IMPERVIOUS SURFACES CREATED.
- SOIL INFILTRATION RATE OF 2.41"/HR FROM RAWL'S TABLE FOR LOAMY SANDS.
- ANY UNSUITABLE UNDERLYING SOILS BELOW THE RECHARGE SYSTEM SHOULD BE REPLACED WITH SEPTIC SAND.

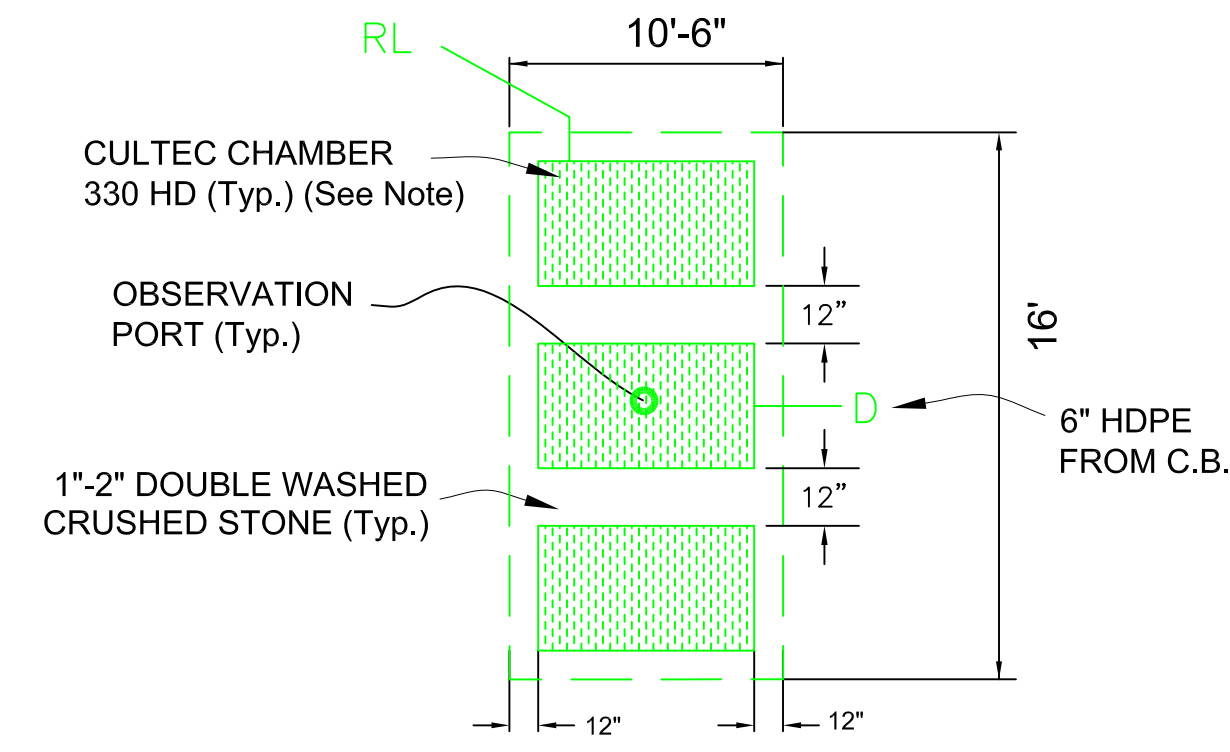
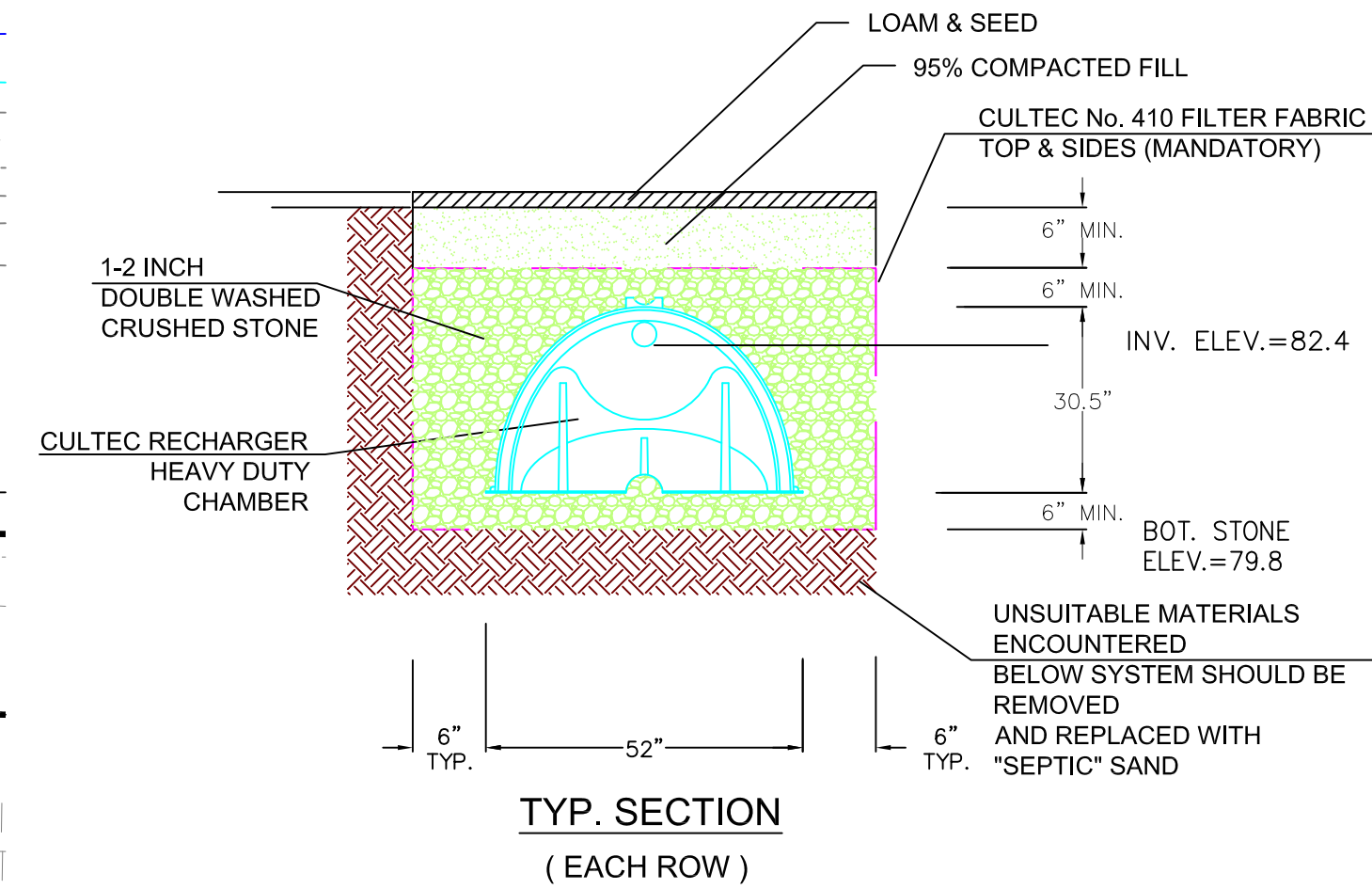
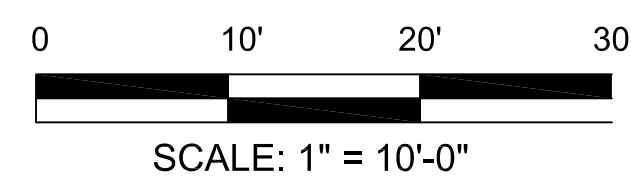
SOIL PIT LOG	
DEEP HOLE	1-26
DATE	6/4/19
GROUND ELEV.	83.2
BOTTOM OF PIT ELEV.	74.7
OBS. WATER TABLE	N/A
EST. S.H. WATER TABLE	>96" (75.2)
FILL (TOPSOIL MIX)	6" - 40"
B HORIZON	46" - 62" Grav. L.S. 1019 7/16 Osm. M.F.
C HORIZON	62" - 102" Grav. L.S. 257 7/16 Osm. M.F.
CONDUCTED BY:	
JOHN BARROWS - MA SE #84	



ARCADIA AVENUE

LIMIT OF 200' RIVERFRONT AREA

SITE PLAN



PLAN VIEW
STORMWATER RECHARGE SYSTEM

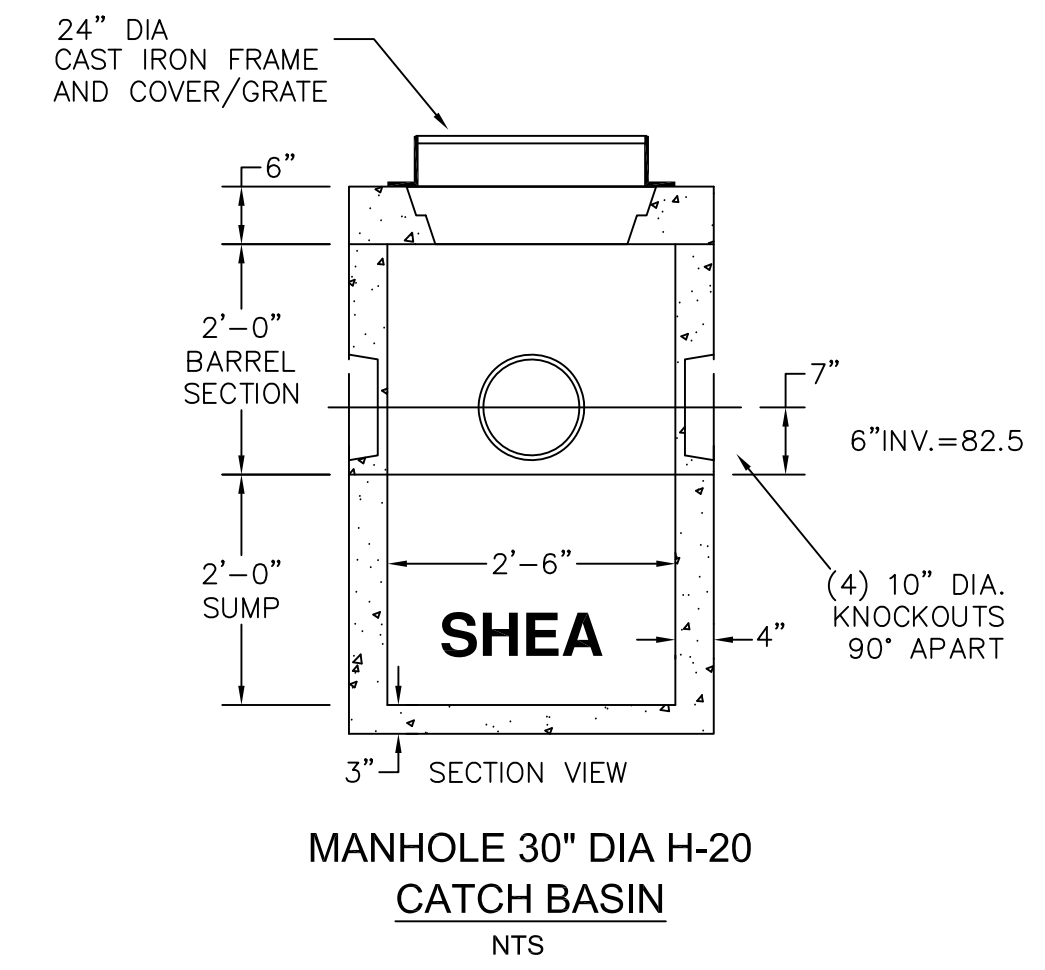
- NOTES:
- RECHARGE AREA CONSISTS OF (3) THREE 330 HD CULTEC CHAMBERS.
 - THE STORAGE VOLUME PROVIDED BY THE RECHARGE AREA = 285 C.F.

DESIGN CALCULATIONS :

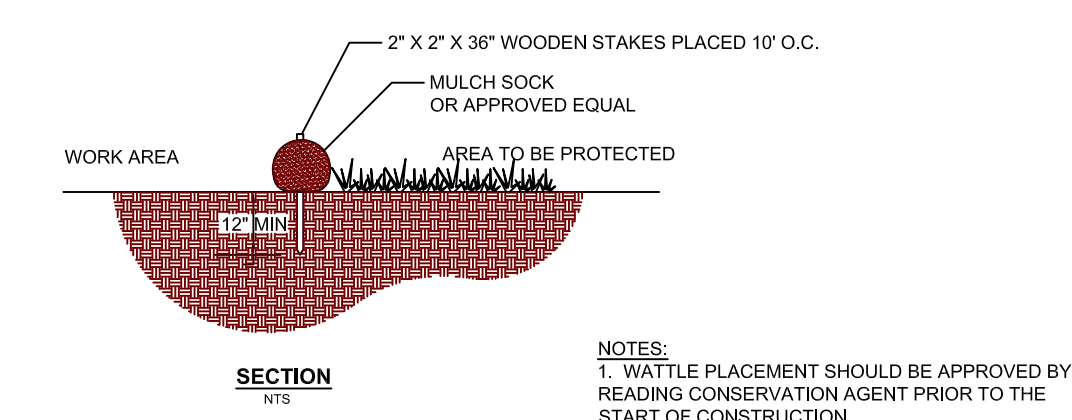
DESIGN VOLUME= 0.6" (A Soil)/12" x 1,620 S.F. = 88 C.F.

SYSTEM CAPACITY PROVIDED = 285 C.F.

DRAW DOWN TIME = 285 C.F. / (2.41 "/HR /12) X(168 S.F.) = 8.5 HRS



MANHOLE 30" DIA H-20 CATCH BASIN
NTS



MULCH SOCK
SEDIMENT CONTROL BARRIER
NTS

LEGEND

- PROPOSED ELEVATION x 103.5
- EXISTING ELEVATION 103x5
- EXISTING CONTOUR ---103
- PROPOSED CONTOUR ---103
- DOWNSPOUT ● DS

CIVIL	SURVEYOR:
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DATE	DESCRIPTION

STORMWATER MANAGEMENT PLAN

PROPOSED A.D.U.
43 ARCADIA AVENUE
ASSESSORS MAP 19 PARCEL 7
READING, MA

PREPARED FOR
ROBERT & SUSAN SHERBURNE
43 ARCADIA AVENUE
READING, MA

Salem Village Consulting, LLC
90 PINE STREET
DANVERS, MA 01923
(978)204-2390
Email: johnbarrows_pe@yahoo.com



FEBRUARY 11, 2026
...\\Reading\ARCADIA AVE 43\43 ARCADIA AVE site plan.dwg
SCALE: AS NOTED