

DEFINITIVE SUBDIVISION PLAN OF LAND VETERANS MEMORIAL DRIVE EXTENSION FRANKLIN, MASSACHUSETTS

I, NANCY DANIELLO, CLERK OF THE TOWN OF FRANKLIN, RECEIVED AND RECORDED FROM THE PLANNING BOARD COVENANT APPROVAL OF THIS PLAN ON _____ AND NO APPEAL WAS TAKEN FOR TWENTY DAYS NEXT AFTER RECEIPT AND RECORDING OF SAME.

TOWN CLERK DATE

REGISTRY USE ONLY
F4598

APPROVED DATE: _____
FRANKLIN PLANNING BOARD

BEING A MAJORITY

I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE REGISTER OF DEEDS.
THIS IS NOT A CERTIFICATION AS TO THE TITLE OR OWNERSHIP OF THE LAND SHOWN HEREON.



4/3/24
Robert E. Constantine, II

OWNER/APPLICANT

FRANKLIN MUNICIPAL AFFORDABLE HOUSING TRUST
355 EAST CENTRAL STREET
FRANKLIN, MA. 02038
MAP 259 PARCEL 007-002
BOOK 34282 PAGE 520

CONSTRUCTION ON THIS LAND IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS, OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

**DEFINITIVE SUBDIVISION
PLAN OF LAND
VETERANS MEMORIAL DRIVE
EXTENSION
FRANKLIN MASSACHUSETTS**

COVER

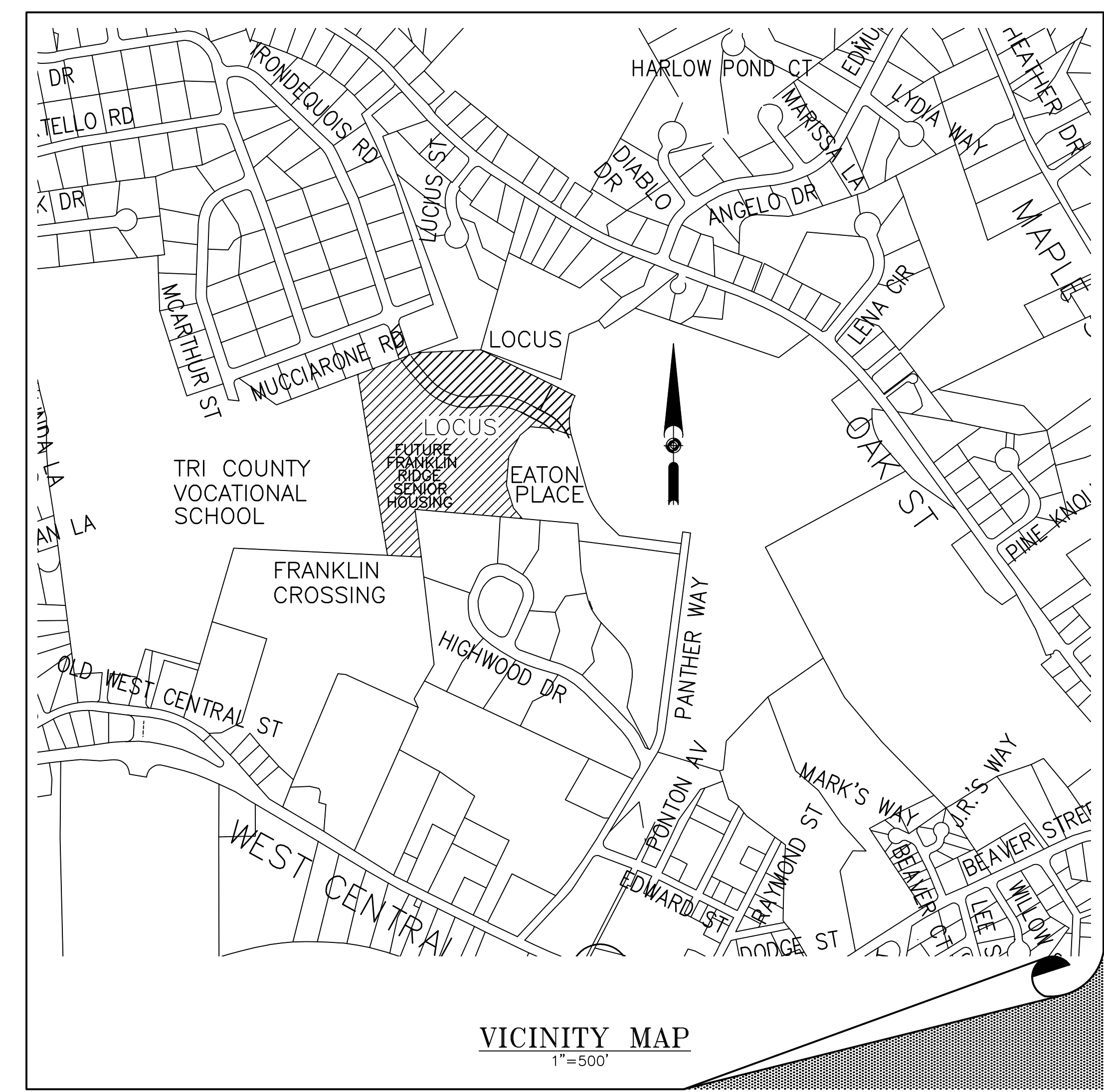
APRIL 2, 2024

DATE	REVISION DESCRIPTION



INDEX

1. COVER SHEET
2. LOTTING PLAN
3. EXISTING CONDITIONS PLAN
4. EROSION CONTROL PLAN
5. SITE DEVELOPMENT
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7. UTILITIES PLAN
8. PLAN & PROFILE
9. PLAN & PROFILE
- 10-13. CONSTRUCTION DETAILS



GENERAL NOTES:

1. THIS SITE IS NOT LOCATED WITHIN A WATER RESOURCE DISTRICT.
2. THIS SITE IS NOT LOCATED WITHIN A FLOOD ZONE ACCORDING TO FIRM MAP NO. 25021C0308E EFFECTIVE DATE JULY 17, 2012.
3. THIS SITE REFERS TO FRANKLIN ASSESSOR MAP 259 PARCEL 007-002.
4. THIS SITE IS NOT LOCATED WITHIN THE NHESP.
5. THIS LAND IS ZONED RURAL RESIDENTIAL II.
6. SEE SITE PLAN FOR EATON PLACE BY BEALS AND THOMAS DATED MARCH 23, 2007 SIGNED BY THE FRANKLIN ZONING BOARD OF APPEALS ON FEBRUARY 21, 2008.
7. SEE SITE PLAN ENTITLED 'SITE PLAN FRANKLIN RIDGE SENIOR HOUSING A 408 DEVELOPMENT FRANKLIN, MASSACHUSETTS' DATED AUGUST 2, 2019 BY GUERRIERE & HALNON, INC.
8. SEE PLAN ENTITLED PLAN OF LAND IN FRANKLIN MASSACHUSETTS, RECORDED IN THE NORFOLK REGISTRY OF DEEDS PLAN BK 572 PAGE 85 OF 2007.
9. AN ANR PLAN TO BE PREPARED PENDING PLAN APPROVAL.

WAIVER REQUEST:

1. SECTION 300-13(A)(1) REQUEST A WAIVER FOR ONE SIDEWALK WHERE TWO ARE REQUIRED.

APPLICANT

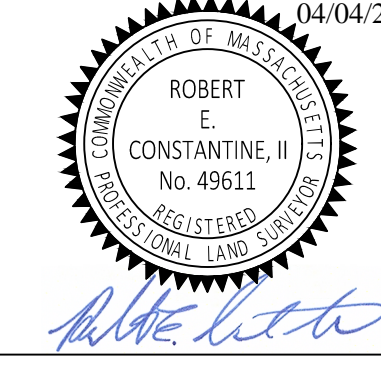
FRANKLIN MUNICIPAL AFFORDABLE TRUST
355 EAST CENTRAL STREET
FRANKLIN, MA. 02038

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APPROVED DATE:
FRANKLIN PLANNING BOARD

BEING A MAJORITY

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OWNER/APPLICANT

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355 EAST CENTRAL STREET
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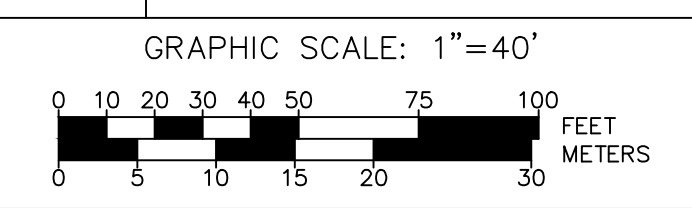
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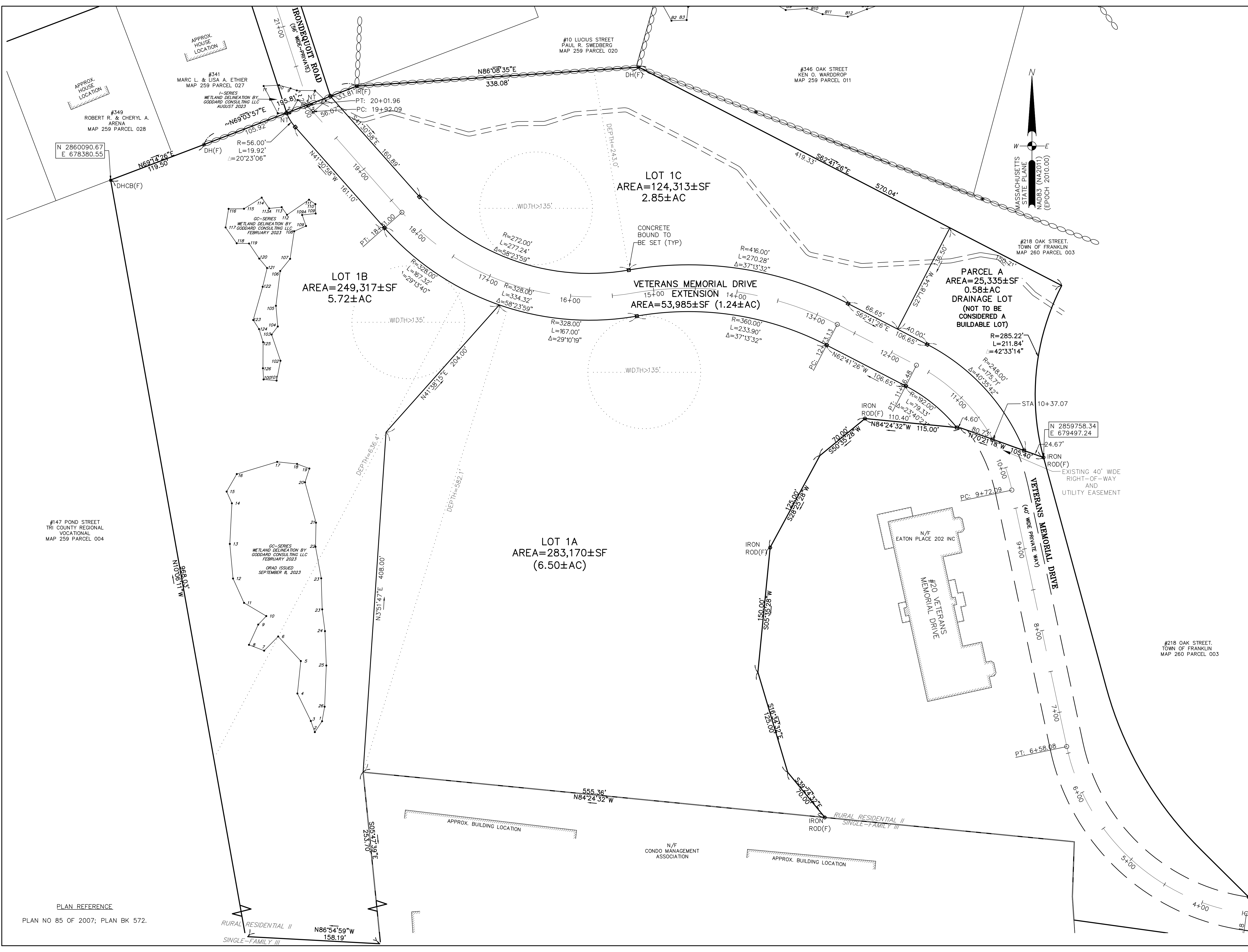
LOTTING PLAN

APRIL 2, 2024

DATE	REVISION DESCRIPTION



Guerriere & Halnon, Inc.
ENGINEERING & LAND SURVEYING
55 WEST CENTRAL ST. PH. (508) 528-3221
FRANKLIN, MA 02038 FX. (508) 528-7921
www.gondengineering.com



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04/04/2024

ROBERT E. CONSTANTINE, II
REGISTERED PROFESSIONAL LAND SURVEYOR
No. 49611

DALE MACHUGON
REGISTERED PROFESSIONAL LAND SURVEYOR
No. 54975

F4598

APPROVED DATE:

FRANKLIN PLANNING BOARD

BEING A MAJORITY

LEGAL NOTES

UTILITIES ARE PLOTTED AS A COMPILATION OF RECORD DOCUMENTS, MARKINGS AND OTHER OBSERVED EVIDENCE TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES AND SHOULD BE CONSIDERED APPROXIMATE. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. ADDITIONAL UTILITIES, NOT EVIDENCED BY RECORD DOCUMENTS OR OBSERVED PHYSICAL EVIDENCE, MAY EXIST. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING AND CALL DIGSAFE AT 1(888)DIG-SAFE(7233).

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OWNER/APPLICANT

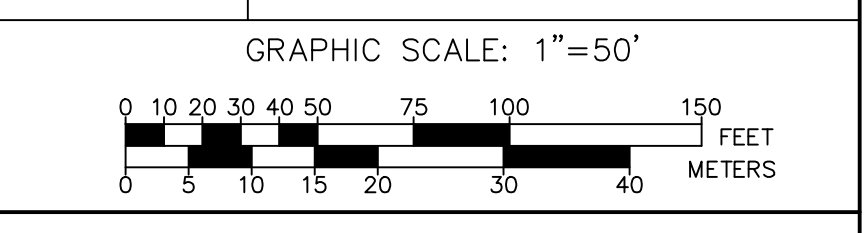
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**DEFINITIVE SUBDIVISION
PLAN OF LAND
VETERANS MEMORIAL
DRIVE EXTENSION
FRANKLIN MASSACHUSETTS**

EXISTING CONDITIONS

APRIL 2, 2024

DATE	REVISION DESCRIPTION



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ENGINEERING & LAND SURVEYING

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www.gandhengineering.com

WETLAND NOTE

1. WETLANDS FLAGGED BY GODDARD CONSULTING IN FEBRUARY 2023.
2. AN ORAD HAS BEEN ISSUED FOR THE SITE BY THE FRANKLIN CONSERVATION COMMISSION, DATED 9/8/2023, MASSDEP FILE #159-1273

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EROSION CONTROL NOTES:

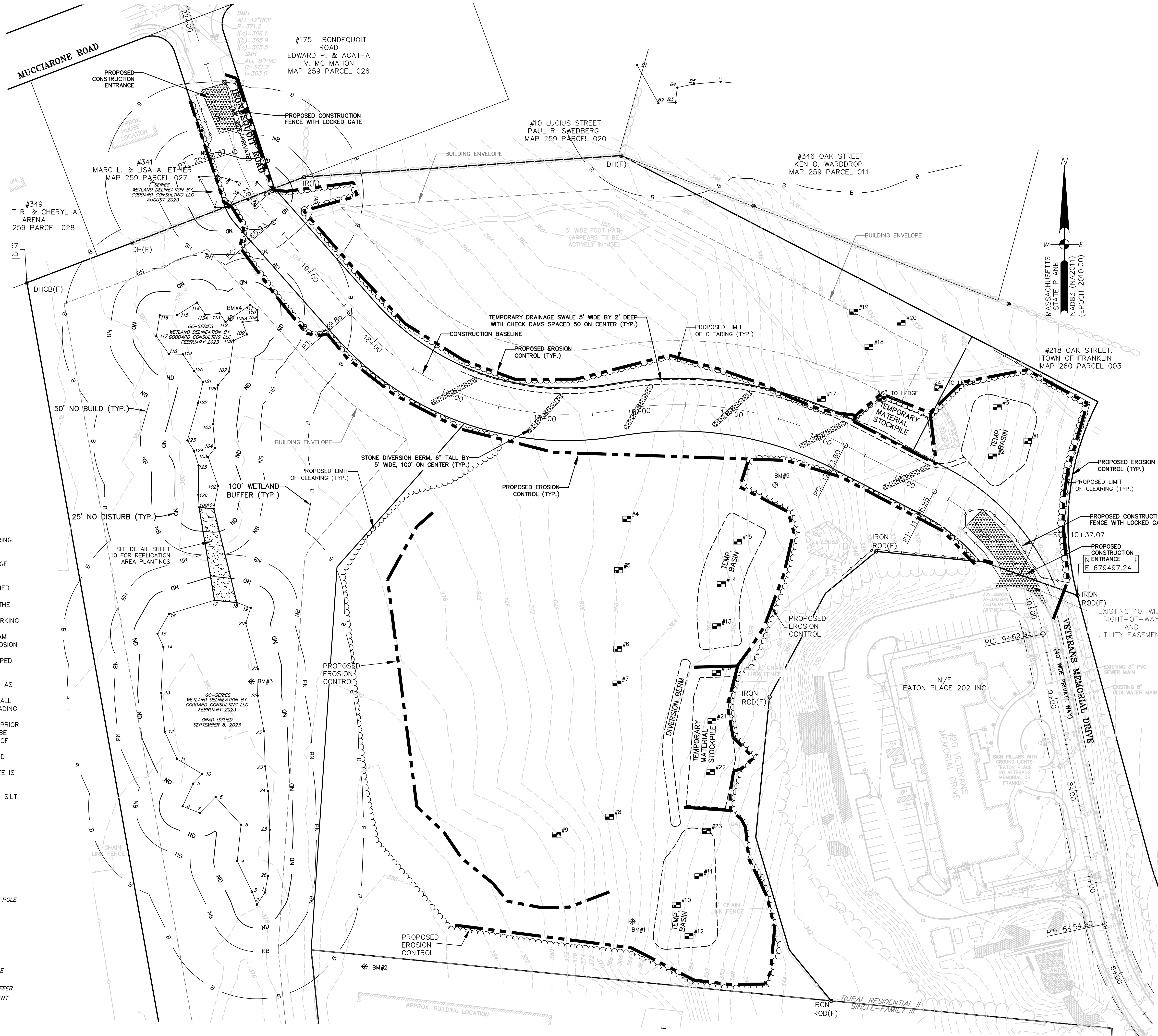
1. TAKE EVERY PRECAUTION TO MINIMIZE AND CONTROL EROSION WITHIN THE PROJECT AREA.
2. STOCKPILES OF EXCAVATED MATERIALS AND EXPOSED CUT AND FILL SLOPES SHALL BE KEPT TO MINIMUM GRADIENTS WHENEVER POSSIBLE. THESE AREAS SHALL BE PROTECTED WITH HAY, MULCH, GRASS SEED OR COMBINATION OF THE ABOVE TO SLOW DOWN THE RATE OF SURFACE RUN-OFF AND TO REDUCE THE VOLUME OF SUSPENDED SOLIDS IN THE RUN OFF WATER.
3. SILTATION BARRIERS SHALL BE STAKED IN PLACE DOWN GRADIENT FROM ALL EXPOSED AREAS OR MATERIAL STORAGE AREAS IN ORDER TO REDUCE THE AMOUNT OF SUSPENDED SOLIDS IN RUNOFF WATER. THE EXACT LOCATION OF THE SILTATION BARRIERS MAY VARY FROM THAT SHOWN ON THE PLANS AND MAY BE ADJUSTMENT IN THE FIELD AS WORK PROGRESSES. SEDIMENTATION BUILDUP OVER SIX INCHES IN DEPTH THAT ACCUMULATES BEHIND THE SILTATION BARRIERS SHALL BE REMOVED. BARRIERS SHALL BE CHECKED AFTER EVERY STORM AND AT REGULAR WEEKLY INTERVALS.
4. SILTATION BARRIER SHALL BE INSTALLED WITH WOODEN STAKES IN ACCORDANCE WITH MANUFACTURER DIRECTIONS. BOTTOM 6 INCHES OF FABRIC SHALL BE TOED IN OR BACKFILLED SO THAT TOP OF FABRIC SHALL BE 2 FEET 6 INCHES ABOVE FINISH GRADE.
5. ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE LOAMED (4" MIN.) AND SEEDED IN ORDER TO MINIMIZE DUST AND EROSION.
6. FILTER FABRIC IS TO BE PLACED UNDER ALL RIP-RAP AREAS SHOWN ON DESIGN PLANS.
7. EROSION CONTROL BARRIERS ARE TO BE PLACED PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.
8. THE PROPOSED STORMWATER BASIN IS TO BE UTILIZED AS A SEDIMENTATION POND DURING CONSTRUCTION. IT IS TO BE CONSTRUCTED FIRST IN ORDER TO CONTROL/ PREVENT SILTATION FROM DISCHARGING FROM THE SITE AND/OR DISTURBING WETLAND AREAS.
9. ALL TEMPORARY SEDIMENT POND(S) AND SUMPS ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION. INSPECTED PRIOR TO AND AFTER STORM EVENTS AND CLEANED AS NEEDED.
10. TEMPORARY BERM SHALL BE PLACED ALONG THE ENTIRE EDGE OF ROADWAY WITH THE BINDER COURSE AND SHALL REMAIN IN PLACE UNTIL FINISH COURSE AND/OR PERMANENT CURBING OR EDGING IS PLACED.

INTERIM EROSION CONTROL AND CONSTRUCTION SEQUENCE

1. INSTALL EROSION CONTROL BARRIERS AND HAVE ENGINEER INSPECT AND PREPARE LETTER.
2. CLEAR SITE OF ALL TREES DESIGNATED TO BE REMOVED. CONSTRUCT A TEMPORARY BASIN TO COLLECT RUNOFF DURING CONSTRUCTION.
3. STOCKPILE LOAM, OR REMOVE LOAM.
4. INSTALL PIPES FOR DRAINAGE SYSTEMS. INSTALL DISCHARGE POINT ON EACH SYSTEM.
5. BRING SITE TO SUB-GRADE.
6. ALL SLOPES ALONG THE PROPERTY LINES SHALL BE MULCHED TEMPORARILY, IF DISTURBED.
7. TEMPORARY STONE (3/4" - 1 1/2") SHALL BE PLACED AT THE PROJECT ENTRANCE WHEN ACCESSING EXISTING PAVEMENT. SWEEPING IS REQUIRED IF FINES ARE OBSERVED IN THE PARKING LOT OR PUBLIC WAYS.
8. ALL DISTURBED AREAS NOT TREATED WITH PERMANENT LOAM AND SEED SHALL BE COVERED WITH MULCH, OR OTHER EROSION CONTROL DEVICE.
9. ALL CONSTRUCTION GRADES IN THE INTERIM SHALL BE SLOPED TO FLOW INTO THE TEMPORARY BASIN, WHERE POSSIBLE. THE SITE MITIGATION OF EROSION IN THOSE AREAS TO BE LANDSCAPED OR MULCHED SHALL BE TO INSTALL AS SOON AS POSSIBLE.
11. CLEAN ALL SEDIMENT OUT OF TEMPORARY BASIN AND INSTALL CLEAN FILL PER PLAN SPECIFICATIONS PRIOR TO FINAL GRADING AND SURFACE STABILIZATION.
12. THE SUBSURFACE DRAINAGE SYSTEM SHALL BE INSTALLED PRIOR TO PAVEMENT INSTALLATION PROPER FILTER FABRIC SHALL BE PLACED AT INLETS TO KEEP THE STORM DRAINAGE CLEAN OF DEBRIS.
13. ONCE THE CURB IS INSTALLED, THE PERMANENT MULCH AND LANDSCAPING SHALL BE INSTALLED.
14. SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL THE SITE IS STABILIZED.
15. CLEAN ALL ON SITE CATCH BASINS, MANHOLES, PIPING, TEMPORARY BASIN, AND INFILTRATION CHAMBERS. INSTALL SILT BAGS AT EACH CATCH BASIN.
16. KEEP SITE SWEEP AND MAINTAINED PER STORMWATER MANAGEMENT PLAN.

LEGEND

	CATCH BASIN		PROPOSED LIGHT POLE
	DRAIN MANHOLE		UTILITY POLE
	ELECTRIC MANHOLE		GUY WIRE
	SEWER MANHOLE		SIGN
	GAS VALVE		SEWER LINE
	GAS SHUT OFF VALVE		DRAIN LINE
	WATERGATE		WATER LINE
	WATER SHUT OFF VALVE		GAS LINE
	FIRE HYDRANT		ELEC. TEL. CABLE
	VERTICAL CONC CURB		OVERHEAD WIRES
	RETAINING WALL		25' WETLAND BUFFER
	ABOVE FINISH GRADE		EDGE OF PAVEMENT
	ARBORVITAE		SPOT ELEVATION
	SHRUB		CLEAN OUT
	TREE		ELECTRIC METER



04/04/2024

ROBERT E. CONSTANTINE, II
No. 49611
REGISTERED PROFESSIONAL LAND SURVEYOR

DANIEL MACDONALD
No. 36078
REGISTERED PROFESSIONAL LAND SURVEYOR

F.4598

APPROVED DATE:

FRANKLIN PLANNING BOARD

BEING A MAJORITY

LEGAL NOTES

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OWNER/APPLICANT

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FRANKLIN, MA. 02038
MAP 259 PARCEL 007-002
BOOK 34282 PAGE 520

DEFINITIVE SUBDIVISION PLAN OF LAND VETERANS MEMORIAL DRIVE EXTENSION FRANKLIN MASSACHUSETTS

EROSION CONTROL PLAN

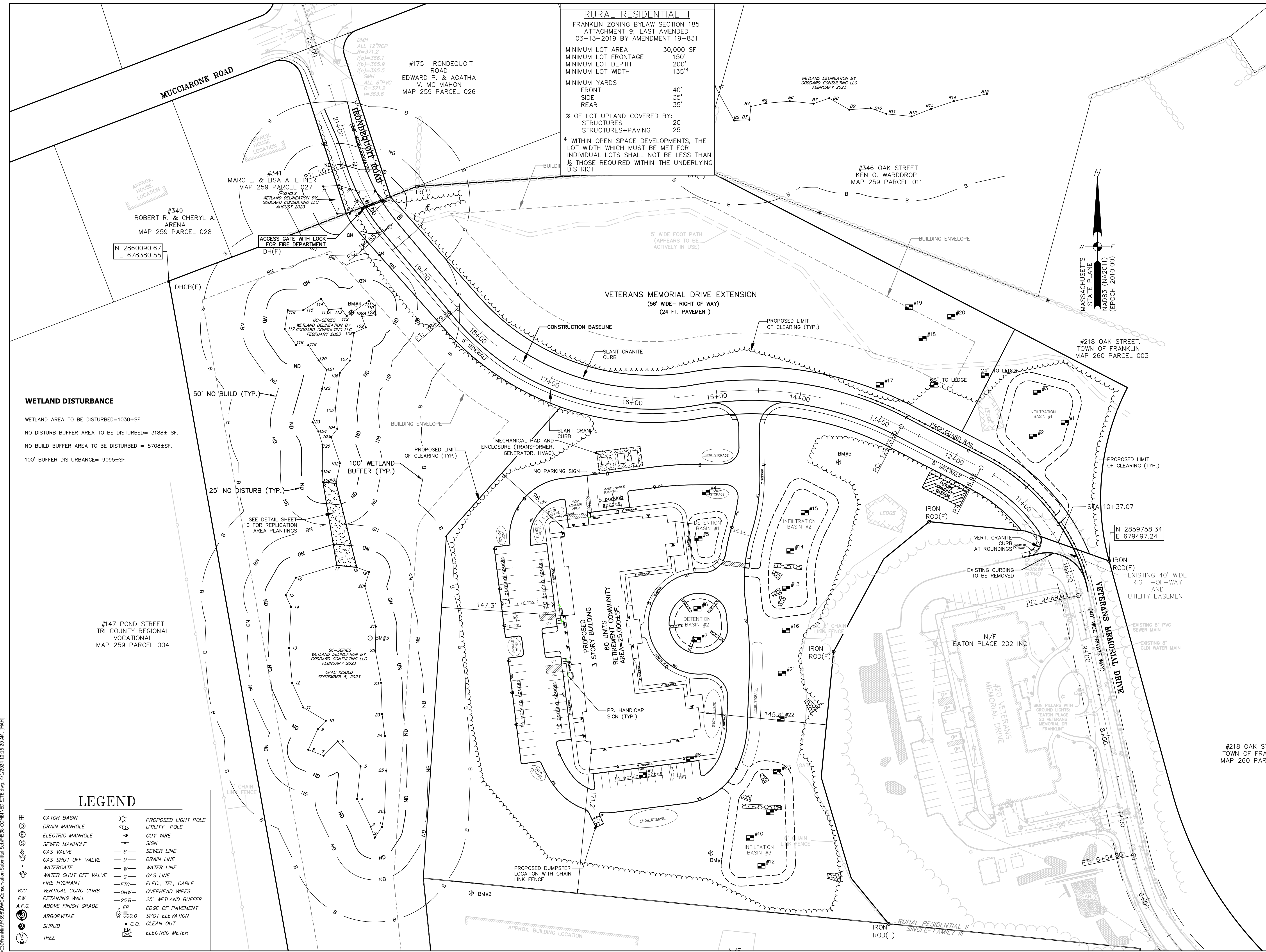
DATE	REVISION DESCRIPTION
APRIL 2, 2024	

GRAPHIC SCALE: 1"=50'

0 10 20 30 40 50 75 100 150 FEET
0 5 10 15 20 30 40 METERS

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RURAL RESIDENTIAL II
 FRANKLIN ZONING BYLAW SECTION 185
 ATTACHMENT 9; LAST AMENDED
 03-13-2019 BY AMENDMENT 19-831

MINIMUM LOT AREA 30,000 SF
 MINIMUM LOT FRONTAGE 150'
 MINIMUM LOT DEPTH 200'
 MINIMUM LOT WIDTH 135'⁴

MINIMUM YARDS
 FRONT 40'
 SIDE 35'
 REAR 35'

% OF LOT UPLAND COVERED BY:
 STRUCTURES 20
 STRUCTURES+PAVING 25

⁴ WITHIN OPEN SPACE DEVELOPMENTS, THE LOT WIDTH WHICH MUST BE MET FOR INDIVIDUAL LOTS SHALL NOT BE LESS THAN 1/2 THOSE REQUIRED WITHIN THE UNDERLYING DISTRICT

WETLAND DISTURBANCE

WETLAND AREA TO BE DISTURBED=1030±SF.
 NO DISTURB BUFFER AREA TO BE DISTURBED= 3188± SF.
 NO BUILD BUFFER AREA TO BE DISTURBED= 5708±SF.
 100' BUFFER DISTURBANCE= 9095±SF.

LEGEND

⊕	CATCH BASIN	⊙	PROPOSED LIGHT POLE
⊖	DRAIN MANHOLE	⊙	UTILITY POLE
⊙	ELECTRIC MANHOLE	—	GUY WIRE
⊙	SEWER MANHOLE	—	SIGN
⊙	GAS VALVE	— S —	SEWER LINE
⊙	GAS SHUT OFF VALVE	— D —	DRAIN LINE
⊙	WATERGATE	— W —	WATER LINE
⊙	WATER SHUT OFF VALVE	— G —	GAS LINE
⊙	FIRE HYDRANT	— ETC —	ELEC., TEL, CABLE
⊙	VERTICAL CONC CURB	— OHW —	OVERHEAD WIRES
⊙	RETAINING WALL	— 25B —	25' WETLAND BUFFER
⊙	ABOVE FINISH GRADE	— EP —	EDGE OF PAVEMENT
⊙	ARBORVITAE	⊙	SPOT ELEVATION
⊙	SHRUB	⊙	CLEAN OUT
⊙	TREE	⊙	ELECTRIC METER

04/04/2024

ROBERT E. CONSTANTINE, II
 No. 49611
 REGISTERED PROFESSIONAL LAND SURVEYOR

DALE MADONSON
 No. 84275
 REGISTERED PROFESSIONAL LAND SURVEYOR

F.4598

APPROVED DATE: _____

FRANKLIN PLANNING BOARD

BEING A MAJORITY

LEGAL NOTES

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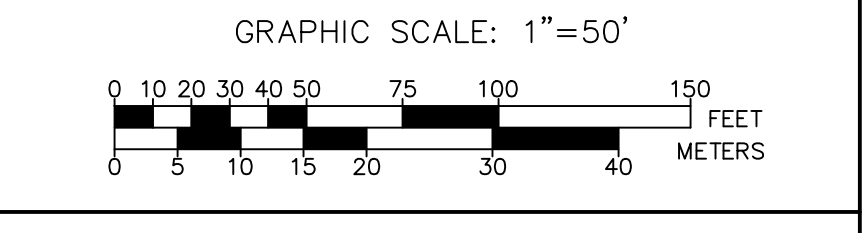
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DEFINITIVE SUBDIVISION PLAN OF LAND
VETERANS MEMORIAL DRIVE EXTENSION
 FRANKLIN MASSACHUSETTS

SITE DEVELOPMENT PLAN

APRIL 2, 2024

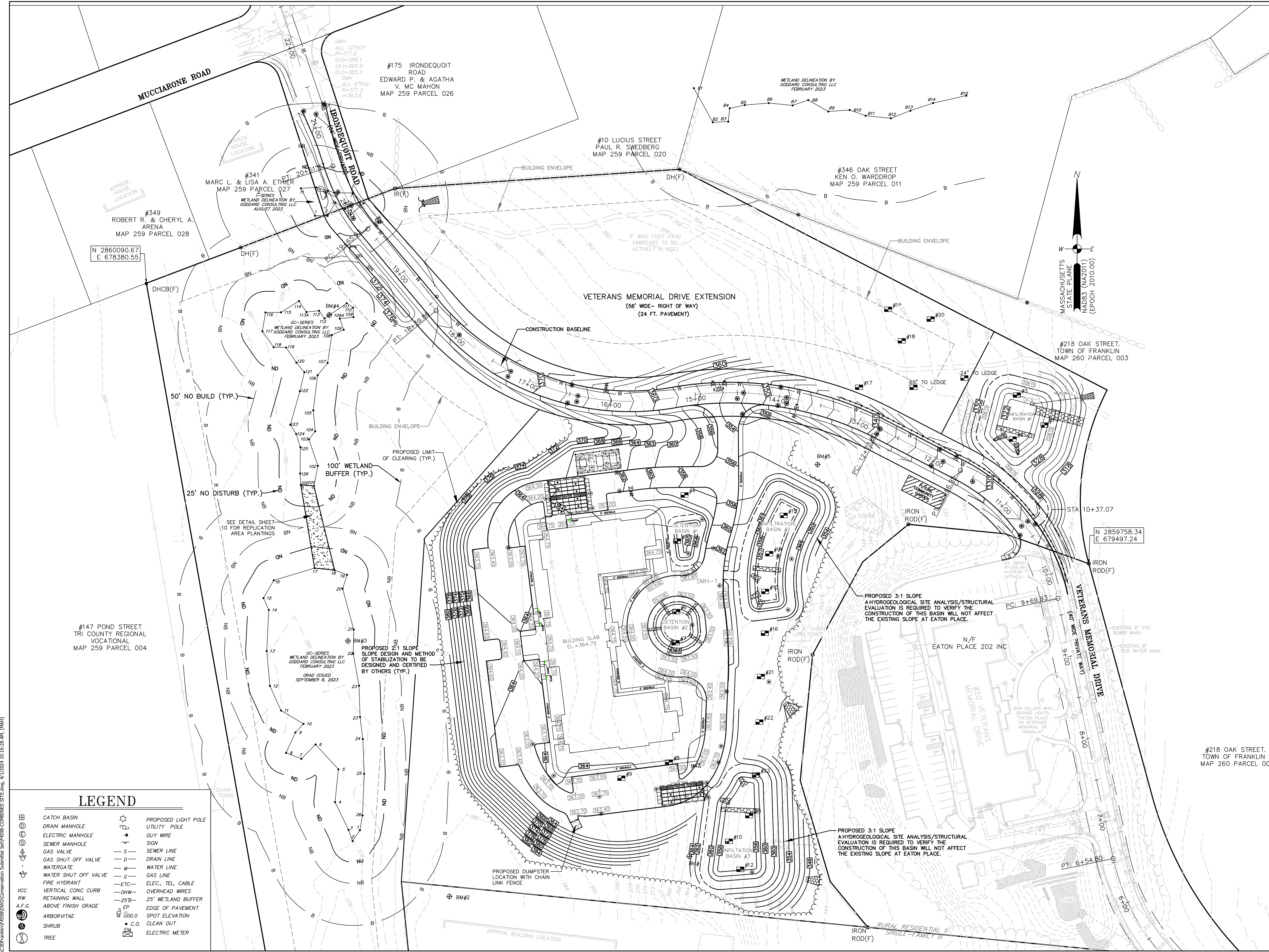
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04/04/2024

ROBERT E. CONSTANTINE, II
No. 49611

DATE REVISION
04/03/24
No. 34075

F4598

APPROVED DATE:

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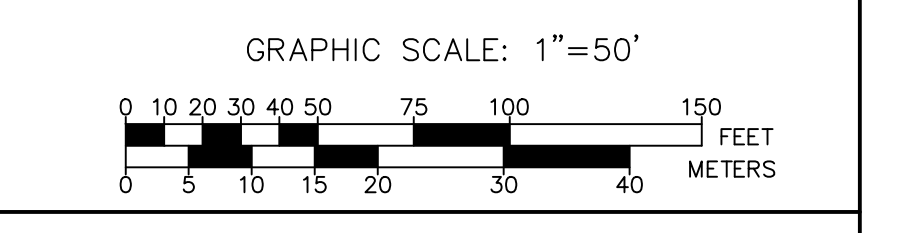
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GRADING PLAN

APRIL 2, 2024

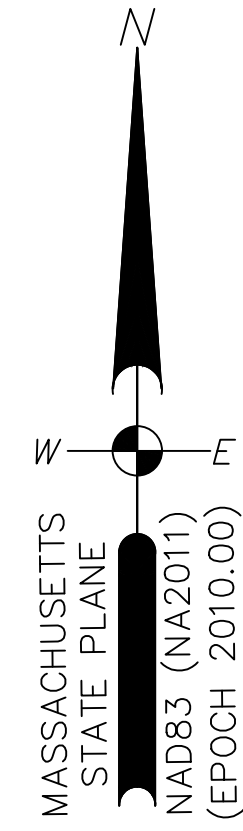
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LEGEND

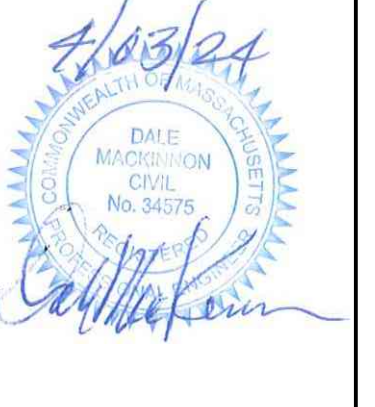
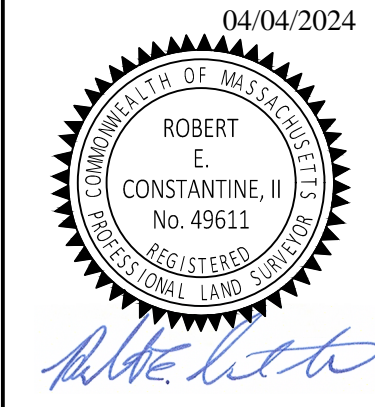
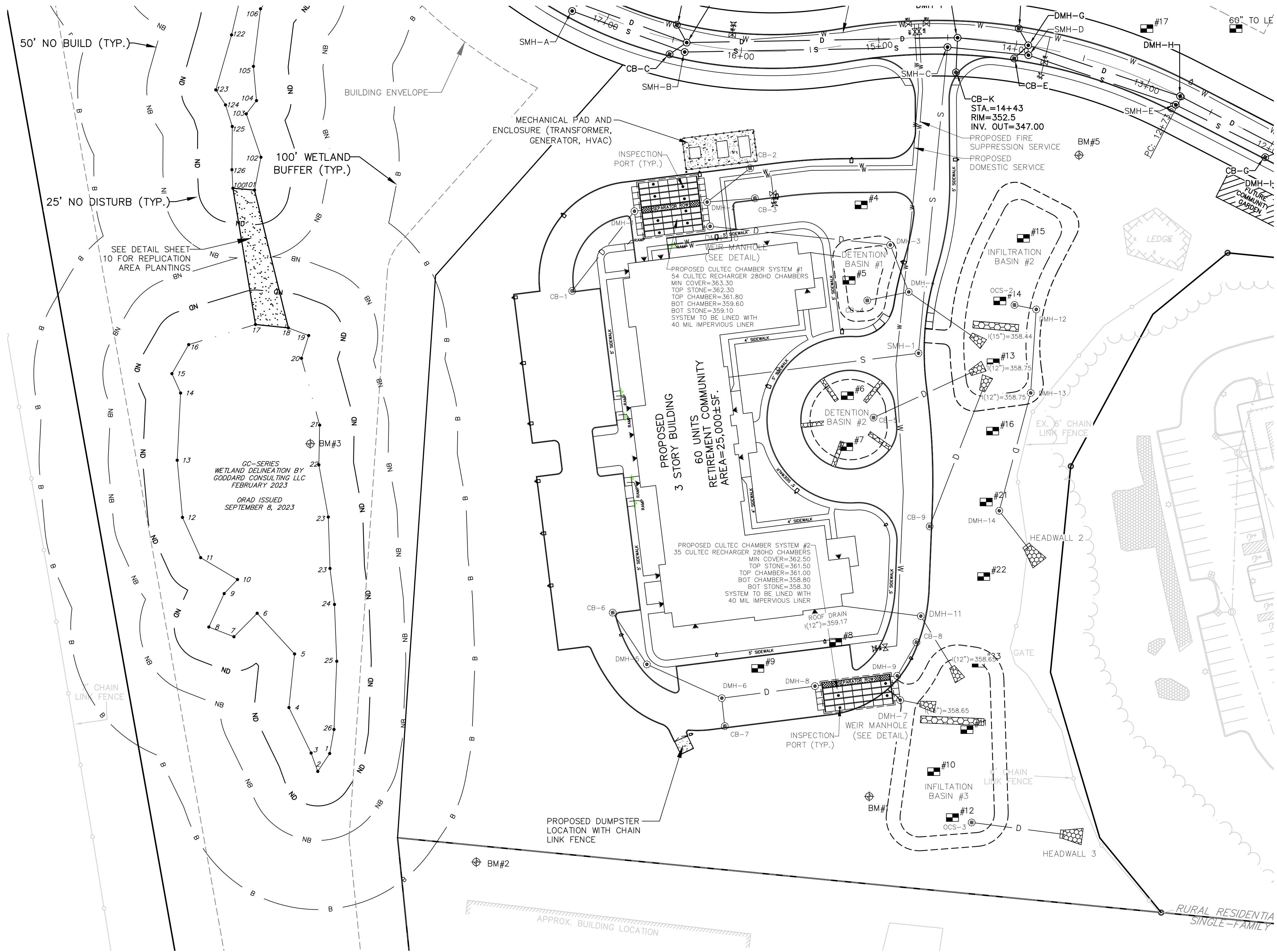
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|--|----------------------|--|---------------------|
| | CATCH BASIN | | PROPOSED LIGHT POLE |
| | DRAIN MANHOLE | | UTILITY POLE |
| | ELECTRIC MANHOLE | | GUY WIRE |
| | SEWER MANHOLE | | SIGN |
| | GAS VALVE | | SEWER LINE |
| | GAS SHUT OFF VALVE | | DRAIN LINE |
| | WATERGATE | | WATER LINE |
| | WATER SHUT OFF VALVE | | GAS LINE |
| | FIRE HYDRANT | | ELEC., TEL. CABLE |
| | VERTICAL CONC. CURB | | OVERHEAD WIRES |
| | RETAINING WALL | | 25' WETLAND BUFFER |
| | VCC | | EDGE OF PAVEMENT |
| | RW | | SPOT ELEVATION |
| | A.F.C. | | CLEAN OUT |
| | ARBORVITAE | | ELECTRIC METER |
| | SHRUB | | |
| | TREE | | |

NOTE:

- WHERE ANY UTILITY INSTALLATION DETAIL CONFLICTS WITH THE TOWN OF FRANKLIN DEPARTMENT OF PUBLIC WORKS STANDARDS FOR SEWER AND WATER MATERIALS AND INSTALLATION (TOWN STANDARDS), THE TOWN STANDARDS SHALL GOVERN.
- THE TELEPHONE, ELECTRIC, AND CABLE UTILITIES SHALL NOT BE LOCATED BENEATH SIDEWALKS IN ACCORDANCE WITH SECTION 300-12(C)(1).

PROPOSED DRAINAGE	
STRUCTURE NAME	STRUCTURE DETAILS
CB-1	RIM = 363.05 INV. OUT (12" RCP) = 359.97 (DMH-1)
CB-2	RIM = 362.30 INV. OUT (12" RCP) = 359.80 (DMH-2)
CB-3	RIM = 362.30 INV. OUT (12" RCP) = 359.78 (DMH-2)
CB-4	RIM = 362.75 INV. OUT (12" RCP) = 358.08 (DMH-4)
CB-5	RIM = 362.75 INV. OUT (12" RCP) = 359.18 (BASIN #2)
CB-6	RIM = 363.05 INV. OUT (12" RCP) = 359.78 (DMH-5)
CB-7	RIM = 362.40 INV. OUT (12" RCP) = 359.36 (DMH-6)
CB-8	RIM = 362.70 INV. OUT (12" RCP) = 359.95 (DMH-9)
CB-9	RIM = 363.00 INV. OUT (12" RCP) = 359.32 (BASIN 2)
DMH-1	RIM = 364.10 INV. IN (12" RCP) = 359.60 (CB-1)
DMH-2	RIM = 363.00 INV. IN (12" RCP) = 359.60 (CB-2) INV. IN (12" RCP) = 359.60 (CB-3)
DMH-3	RIM = 363.00 INV. IN (15" RCP) = 358.94 (DMH-10 (WEIR MH)) INV. OUT (15" RCP) = 358.93 (DMH-4)
DMH-4	RIM = 362.00 INV. IN (15" RCP) = 358.75 (DMH-3) INV. IN (12" RCP) = 357.92 (CB-4) INV. OUT (15" RCP) = 358.75 (BASIN #2)
DMH-6	RIM = 362.65 INV. IN (12" RCP) = 359.25 (DMH-5) INV. IN (12" RCP) = 359.25 (CB-7) INV. OUT (15" RCP) = 359.25 (DMH-8)
DMH-7 (WEIR MH)	RIM = 363.60 INV. OUT (18" RCP) = 358.80 (BASIN #3)
DMH-8	RIM = 363.40 INV. IN (15" RCP) = 358.90 (DMH-6)
DMH-9	RIM = 363.00 INV. IN (12" RCP) = 358.80 (CB-8)
DMH-10 (WEIR MH)	RIM = 363.40 INV. OUT (15" RCP) = 359.60 (DMH-3)
DMH-11	RIM = 363.00 INV. IN (12" RCP) = 358.88 (SOUTH ROOF DRAIN) INV. OUT (12" RCP) = 358.88 (BASIN #3)
DMH-12	RIM = 361.00 INV. IN (12" RCP) = 354.90 (OCS-2) INV. OUT (12" RCP) = 354.90 (DMH-13)
DMH-13	RIM = 361.00 INV. IN (12" RCP) = 354.60 (DMH-12) INV. OUT (12" RCP) = 354.60 (DMH-14)
DMH-14	RIM = 358.60 INV. IN (12" RCP) = 354.16 (DMH-13) INV. OUT (12" RCP) = 354.16 (HEADWALL 2)
HEADWALL 2	RIM = 355.67 INV. IN (12" RCP) = 354.00 (DMH-14)
HEADWALL 3	INV. IN (12" RCP) = 346.00 (OCS-3)
OCS-2	RIM = 360.00 INV. OUT (12" RCP) = 355.00 (DMH-12)
OCS-3	RIM = 358.90 INV. OUT (12" RCP) = 354.00 (HEADWALL 3)

PROPOSED SEWER	
STRUCTURE NAME	STRUCTURE DETAILS
BUILDING SEWER	INV. OUT (8" PVC) = 359.62 (SMH-1)
SMH-1	RIM = 363.80 INV. IN (8" PVC) = 356.85 (BUILDING SEWER) INV. OUT (8" PVC) = 356.75 (SMH-C)
SMH-C	RIM = 352.50 INV. IN (8" PVC) = 347.55 (SMH-1)



F4598

APPROVED DATE:
FRANKLIN PLANNING BOARD

BEING A MAJORITY

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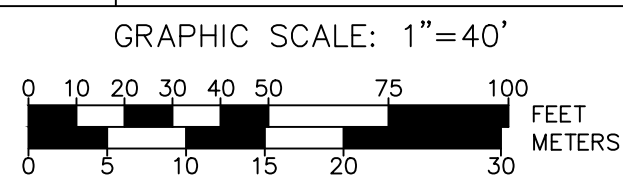
FRANKLIN MUNICIPAL AFFORDABLE HOUSING TRUST
355 EAST CENTRAL STREET
FRANKLIN, MA. 02038
MAP 259 PARCEL 007-002
BOOK 34282 PAGE 520

DEFINITIVE SUBDIVISION PLAN OF LAND VETERANS MEMORIAL DRIVE EXTENSION FRANKLIN MASSACHUSETTS

UTILITY PLAN - FRANKLIN SENIOR RIDGE

APRIL 2, 2024

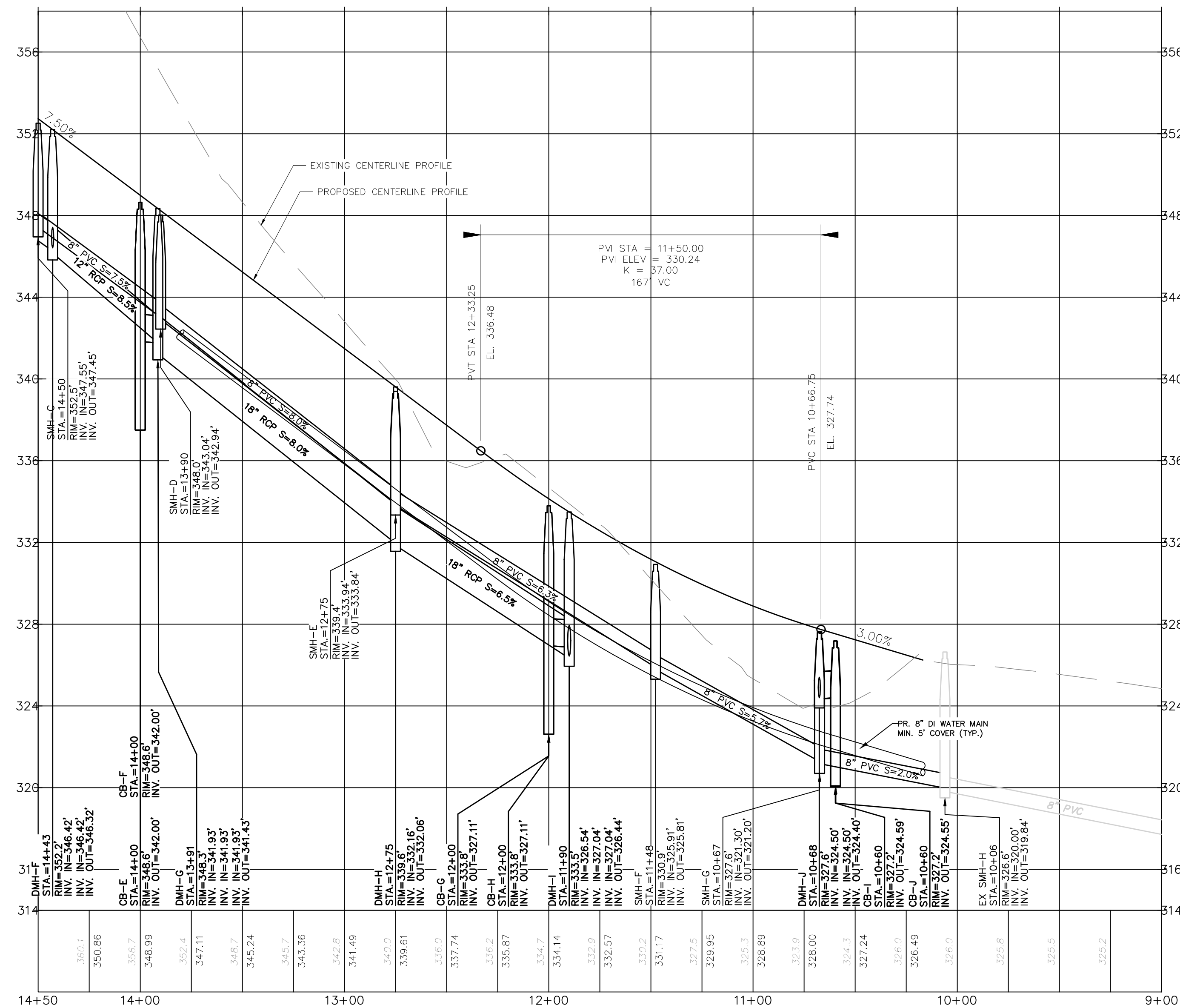
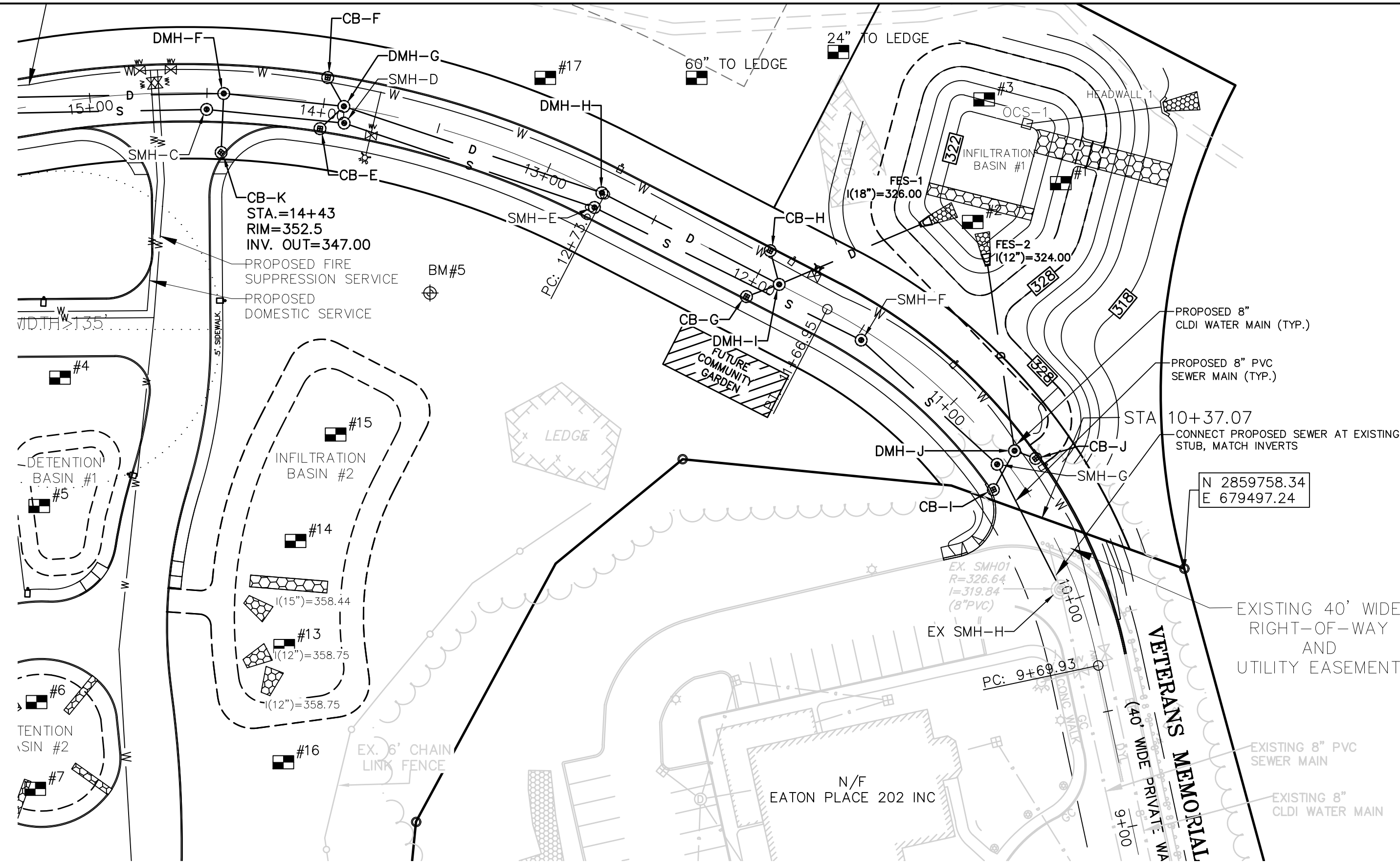
DATE	REVISION DESCRIPTION



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MASSACHUSETTS
STATE PLANE
NAD83 (NA2011)
(EPOCH 2010.00)



VETERANS MEMORIAL DRIVE EXTENSION
9+00 TO 14+50.00
SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL

LEGEND

⊕	CATCH BASIN	⊙	PROPOSED LIGHT POLE
⊖	DRAIN MANHOLE	⊕	UTILITY POLE
⊙	ELECTRIC MANHOLE	⊕	GUY WIRE
⊖	SEWER MANHOLE	⊕	SIGN
⊕	GAS VALVE	— S —	SEWER LINE
⊕	GAS SHUT OFF VALVE	— D —	DRAIN LINE
⊕	WATERGATE	— W —	WATER LINE
⊕	WATER SHUT OFF VALVE	— G —	GAS LINE
⊕	FIRE HYDRANT	— ETC —	ELEC. TEL. CABLE
VCC	VERTICAL CONC CURB	— OHW —	OVERHEAD WIRES
RW	RETAINING WALL	— 25' —	25' WETLAND BUFFER
A.F.G.	ABOVE FINISH GRADE	EP	EDGE OF PAVEMENT
⊕	ARBORVITAE	X 000.0	SPOT ELEVATION
⊕	SHRUB	• C.O.	CLEAN OUT
⊕	TREE	⊕	ELECTRIC METER

NOTE:

- WHERE ANY UTILITY INSTALLATION DETAIL CONFLICTS WITH THE TOWN OF FRANKLIN DEPARTMENT OF PUBLIC WORKS STANDARDS FOR SEWER AND WATER MATERIALS AND INSTALLATION (TOWN STANDARDS), THE TOWN STANDARDS SHALL GOVERN.
- THE TELEPHONE, ELECTRIC, AND CABLE UTILITIES SHALL NOT BE LOCATED BENEATH SIDEWALKS IN ACCORDANCE WITH SECTION 300-12(C)(1).

04/04/2024

ROBERT E. CONSTANTINE, II
No. 49611

DALE MCGONIGAN
No. 34078

F4598

APPROVED DATE:

FRANKLIN PLANNING BOARD

BEING A MAJORITY

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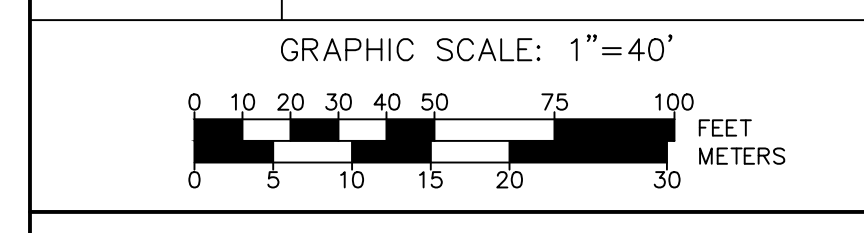
FRANKLIN MUNICIPAL AFFORDABLE HOUSING TRUST
355 EAST CENTRAL STREET
FRANKLIN, MA. 02038
MAP 259 PARCEL 007-020
BOOK 34282 PAGE 520

**DEFINITIVE SUBDIVISION
PLAN OF LAND
VETERANS MEMORIAL
DRIVE EXTENSION
FRANKLIN MASSACHUSETTS**

PLAN & PROFILE

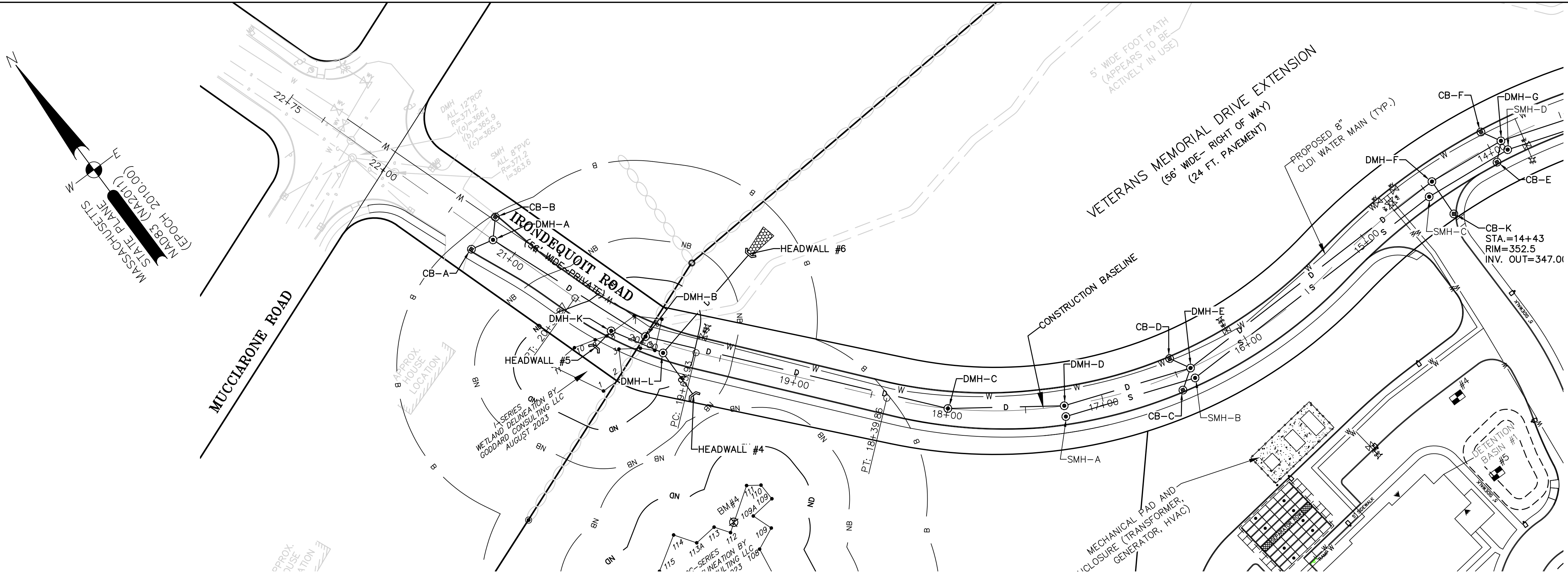
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DATE	REVISION DESCRIPTION



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LEGEND

	CATCH BASIN		PROPOSED LIGHT POLE
	DRAIN MANHOLE		UTILITY POLE
	ELECTRIC MANHOLE		GUY WIRE
	SEWER MANHOLE		SIGN
	GAS VALVE		SEWER LINE
	GAS SHUT OFF VALVE		DRAIN LINE
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	WATER SHUT OFF VALVE		GAS LINE
	FIRE HYDRANT		ELEC., TEL. CABLE
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	RETAINING WALL		25' WETLAND BUFFER
	ABOVE FINISH GRADE		EDGE OF PAVEMENT
	ARBORVITAE		SPOT ELEVATION
	SHRUB		CLEAN OUT
	TREE		ELECTRIC METER

04/04/2024

ROBERT E. CONSTANTINE, II
No. 49611
REGISTERED PROFESSIONAL LAND SURVEYOR

DALE MACDONALD
No. 54275
REGISTERED PROFESSIONAL LAND SURVEYOR

F4598

APPROVED DATE: _____

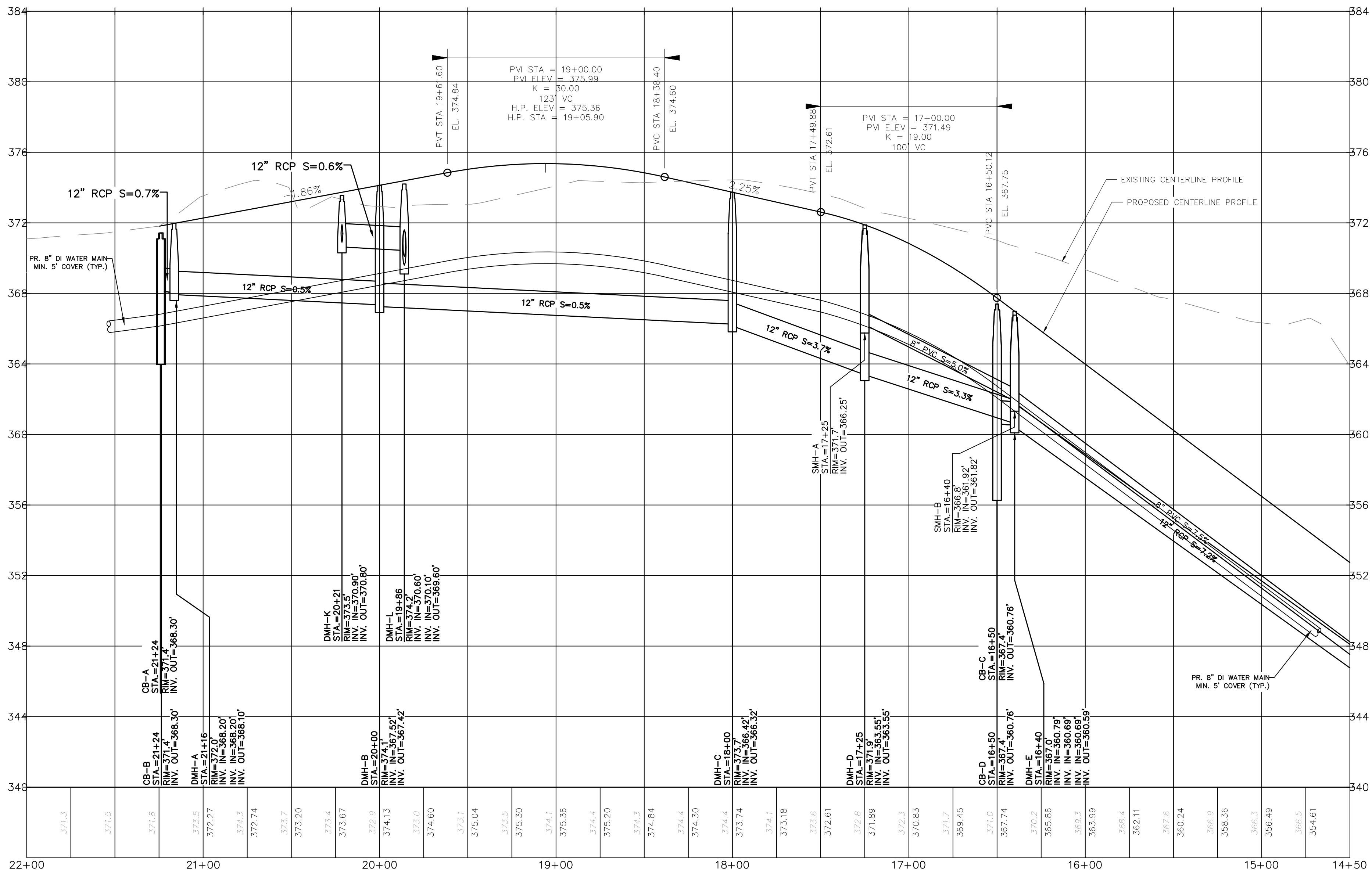
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VETERANS MEMORIAL DRIVE EXTENSION
14+50 TO 22+00.00

SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

OWNER/APPLICANT

FRANKLIN MUNICIPAL AFFORDABLE HOUSING TRUST
355 EAST CENTRAL STREET
FRANKLIN, MA. 02038
MAP 259 PARCEL 007-002
BOOK 34282 PAGE 520

DEFINITIVE SUBDIVISION PLAN OF LAND
VETERANS MEMORIAL DRIVE EXTENSION
FRANKLIN MASSACHUSETTS

PLAN & PROFILE

APRIL 2, 2024

DATE	REVISION DESCRIPTION

GRAPHIC SCALE: 1" = 40'

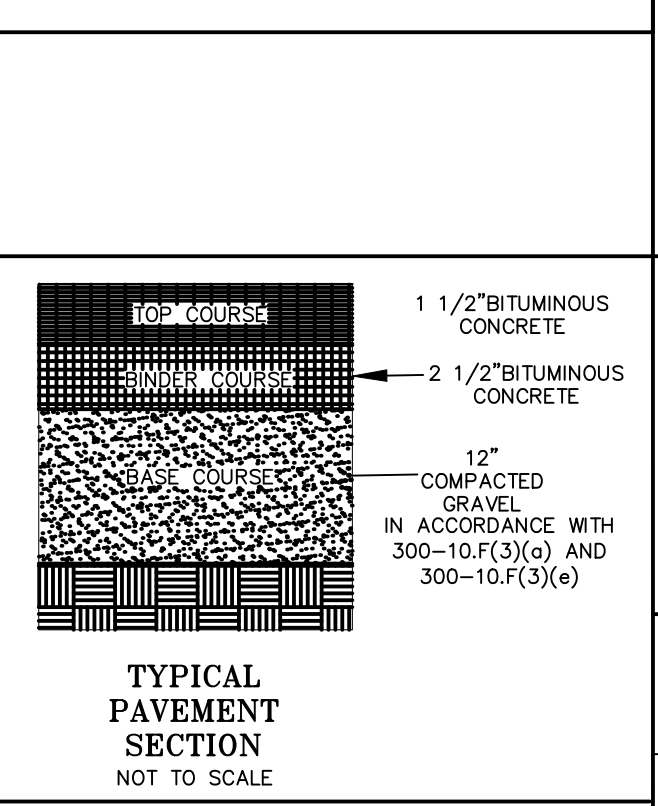
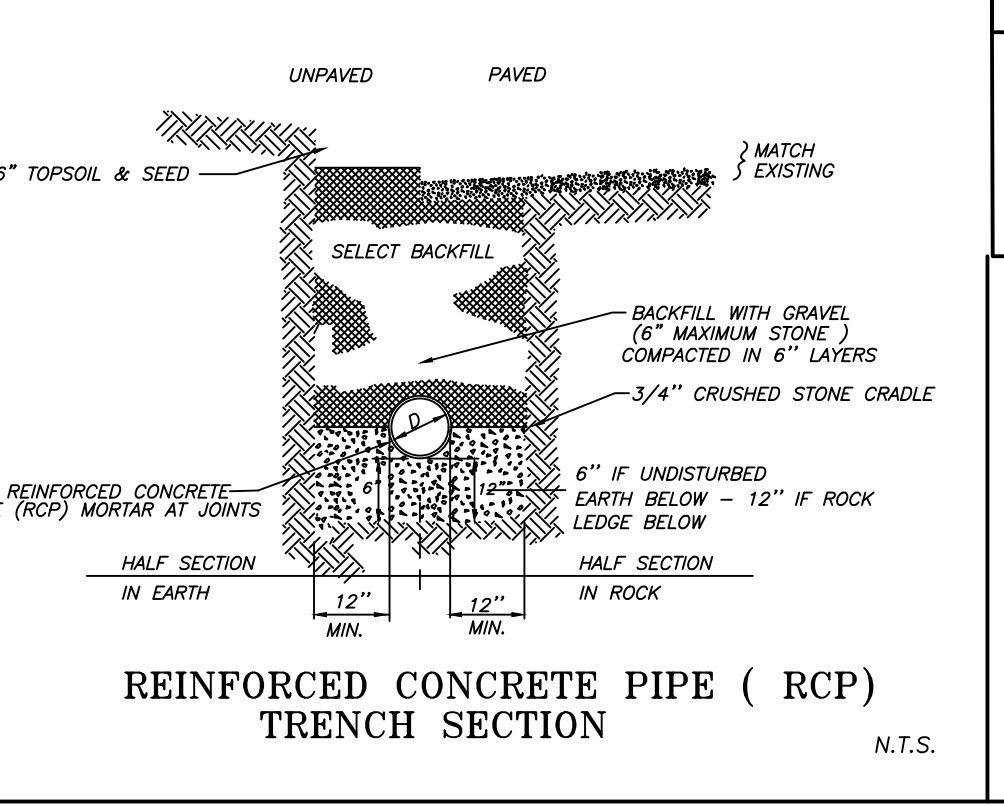
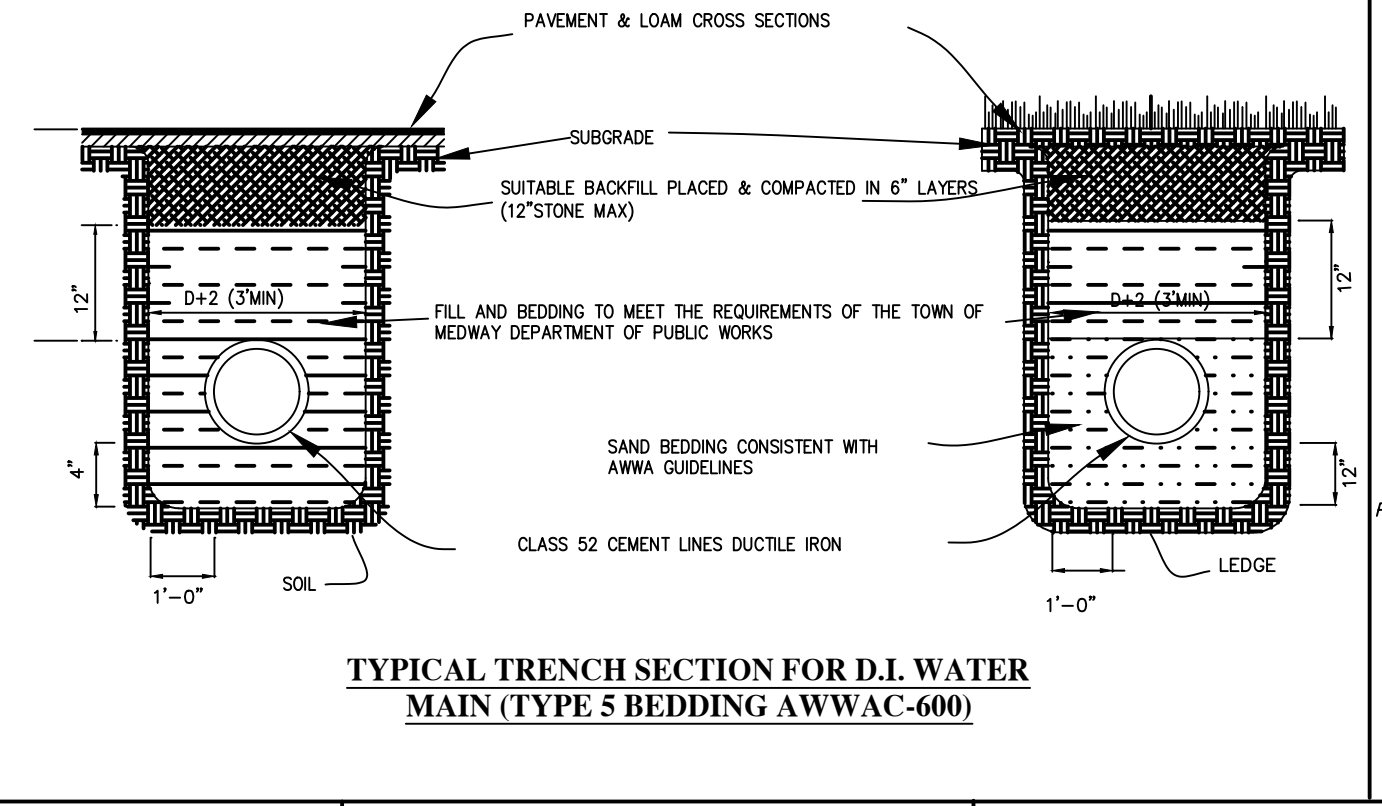
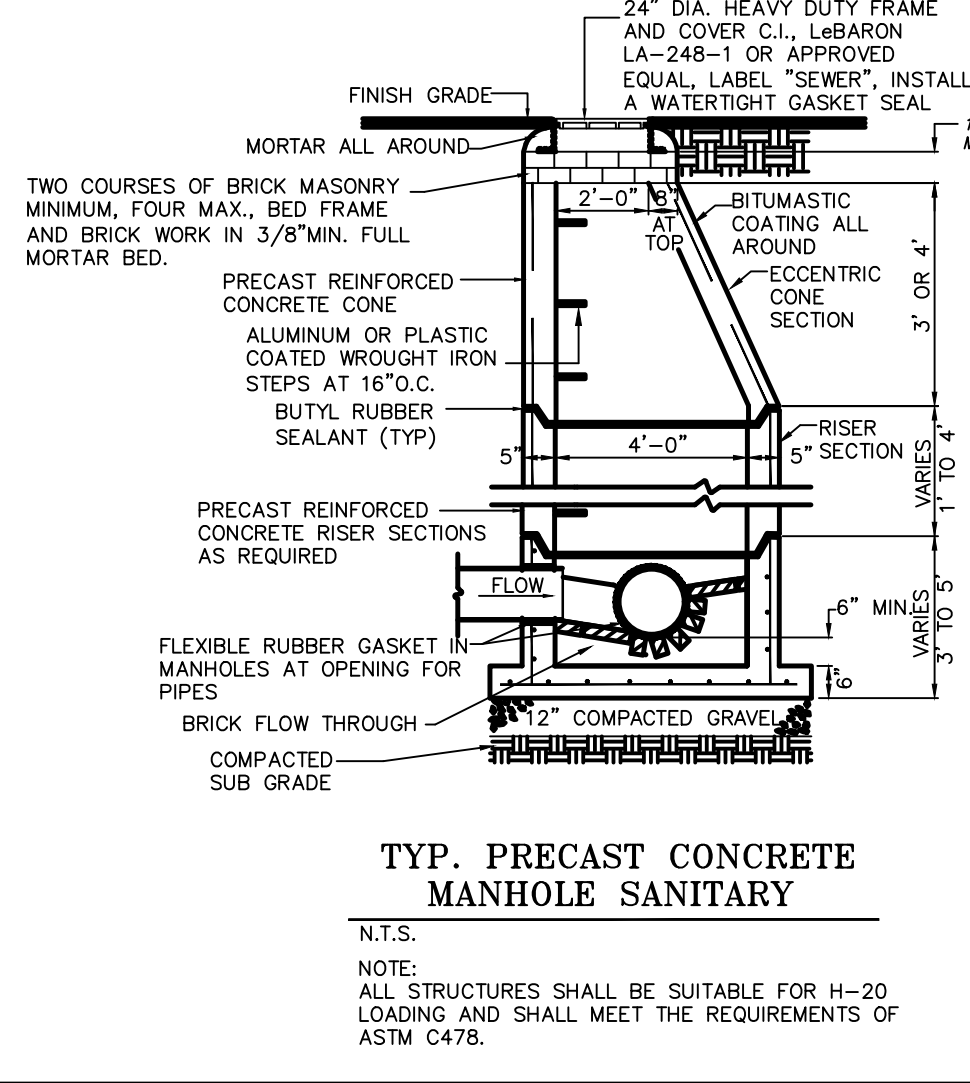
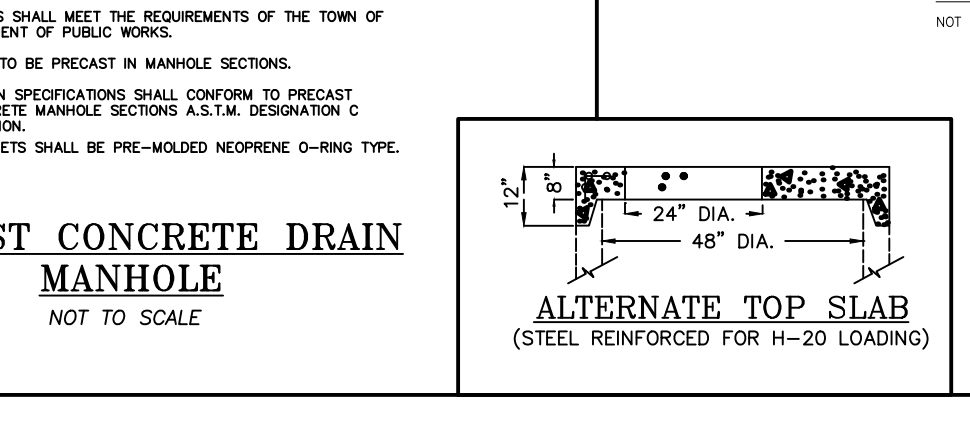
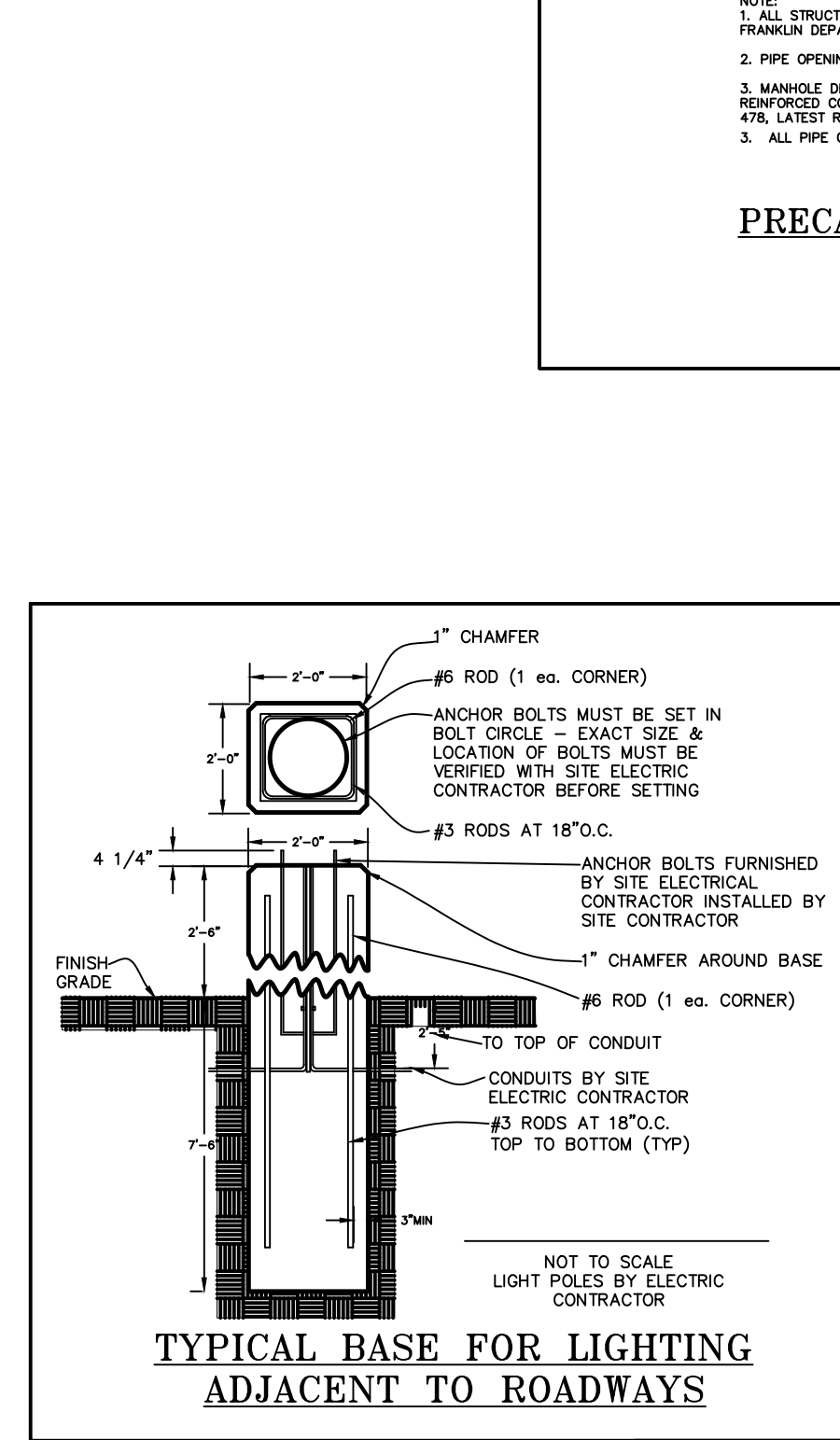
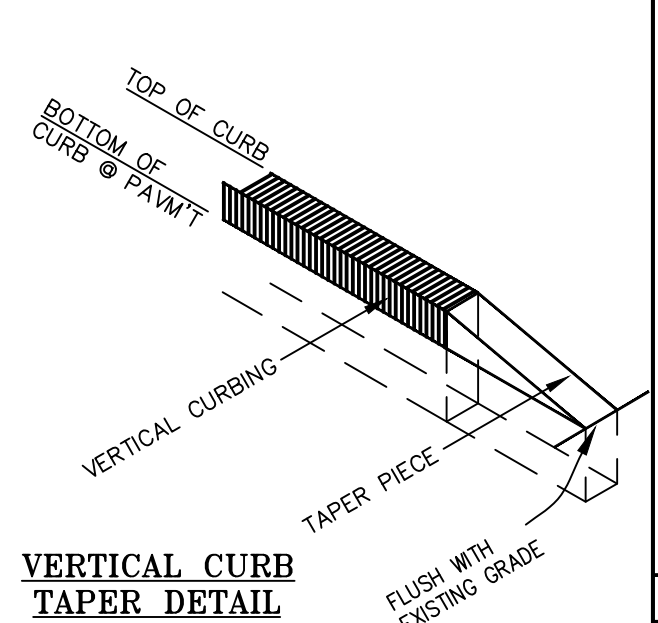
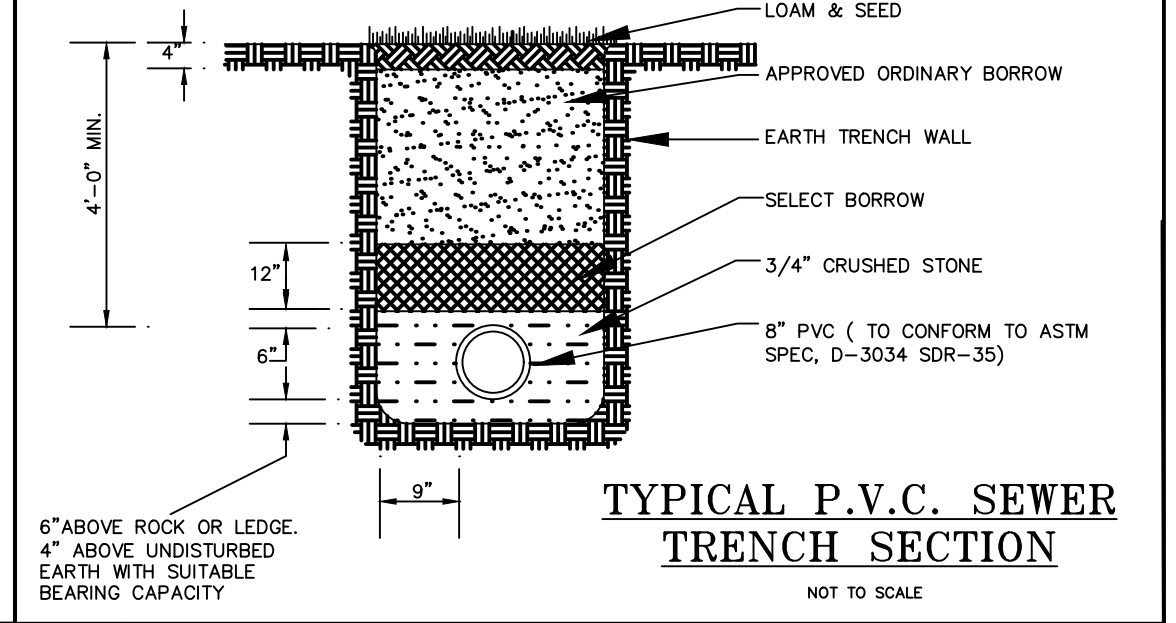
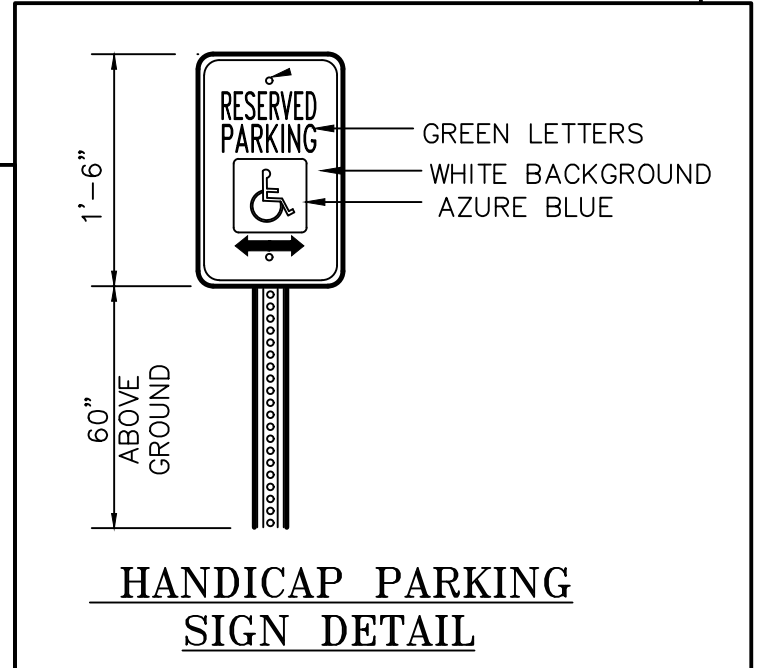
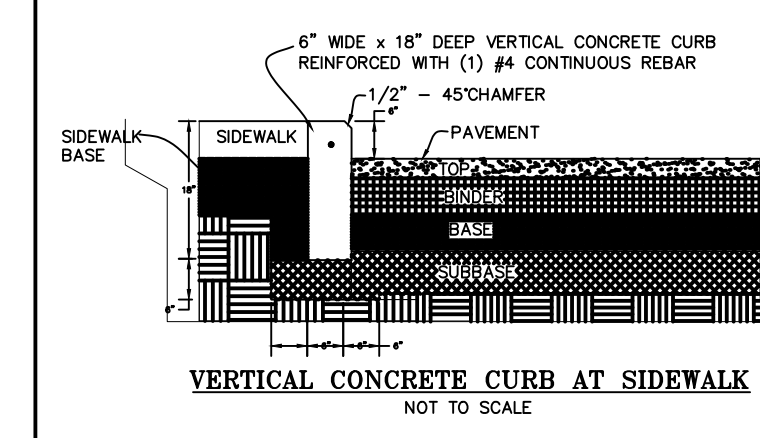
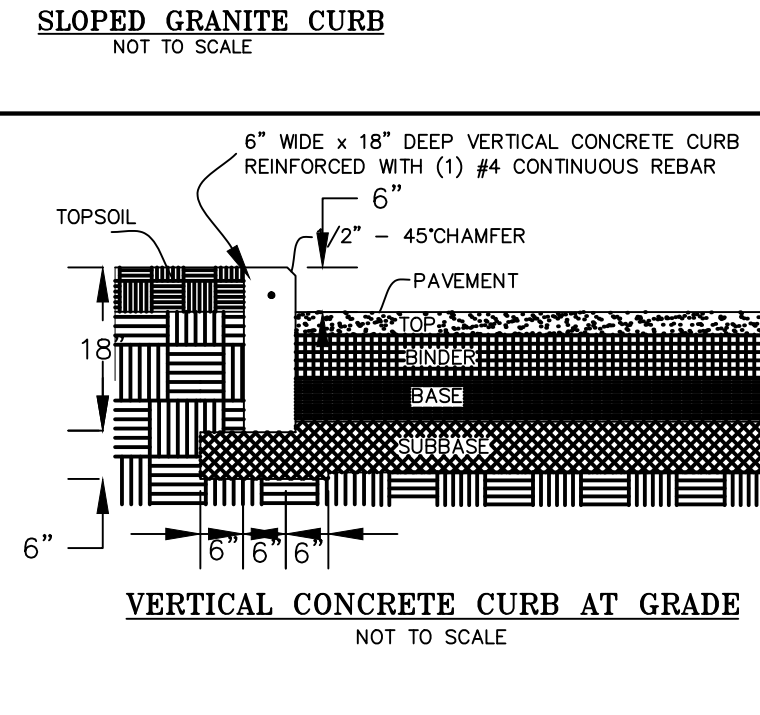
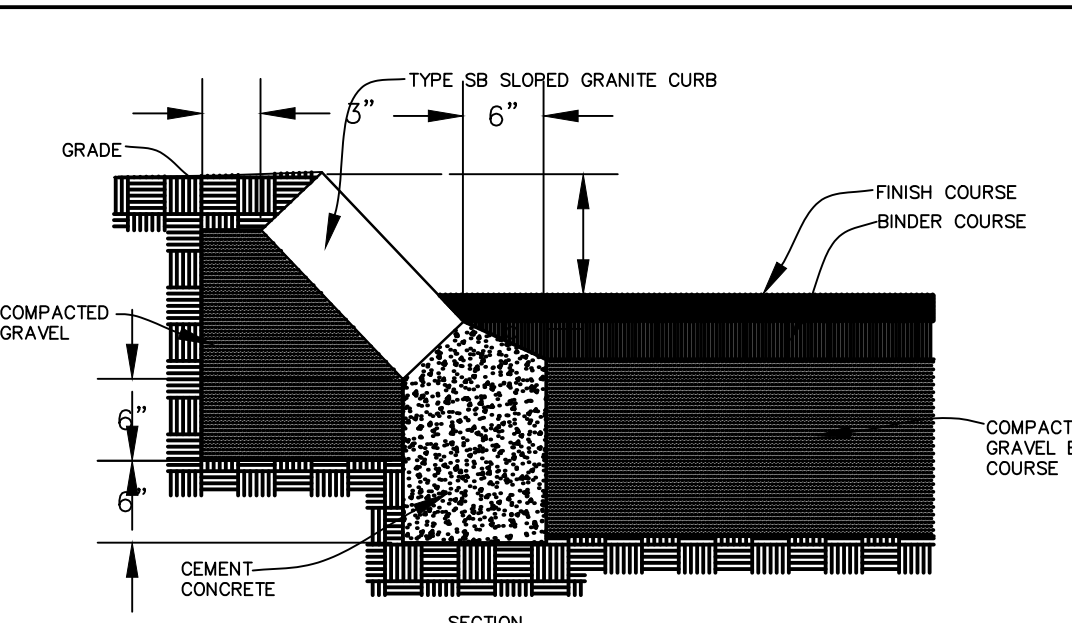
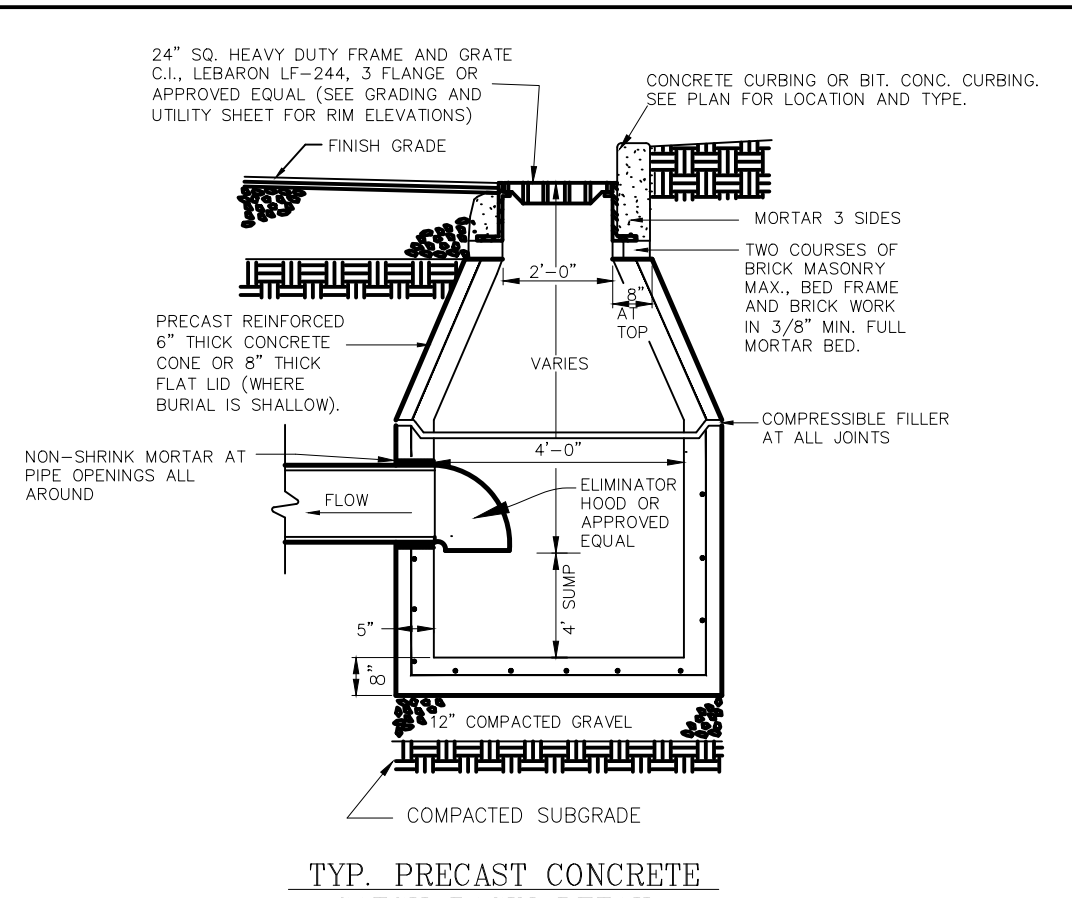
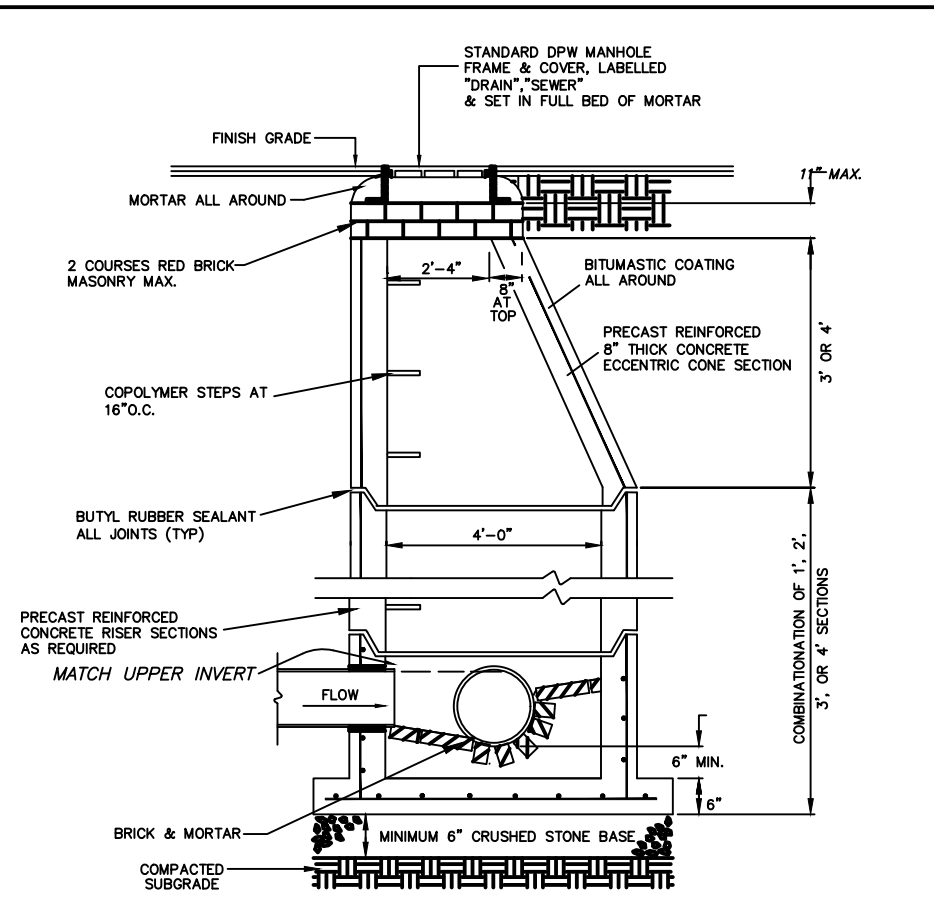
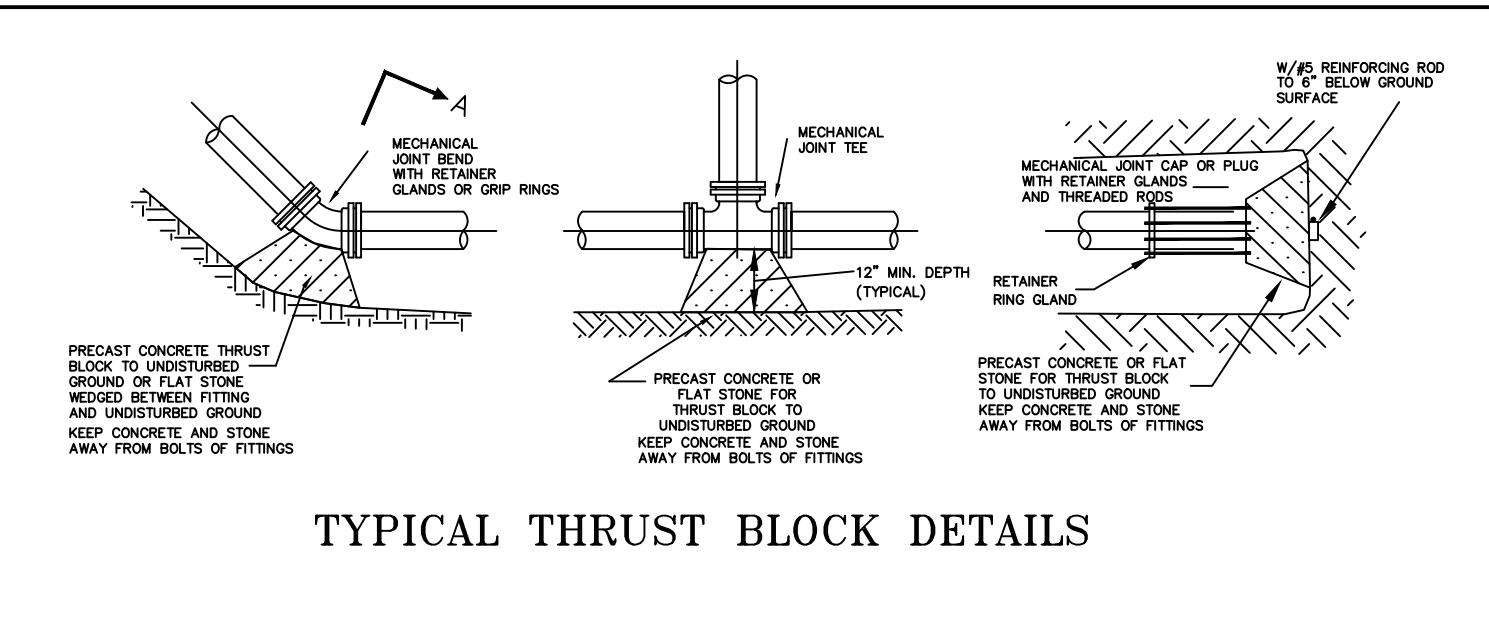
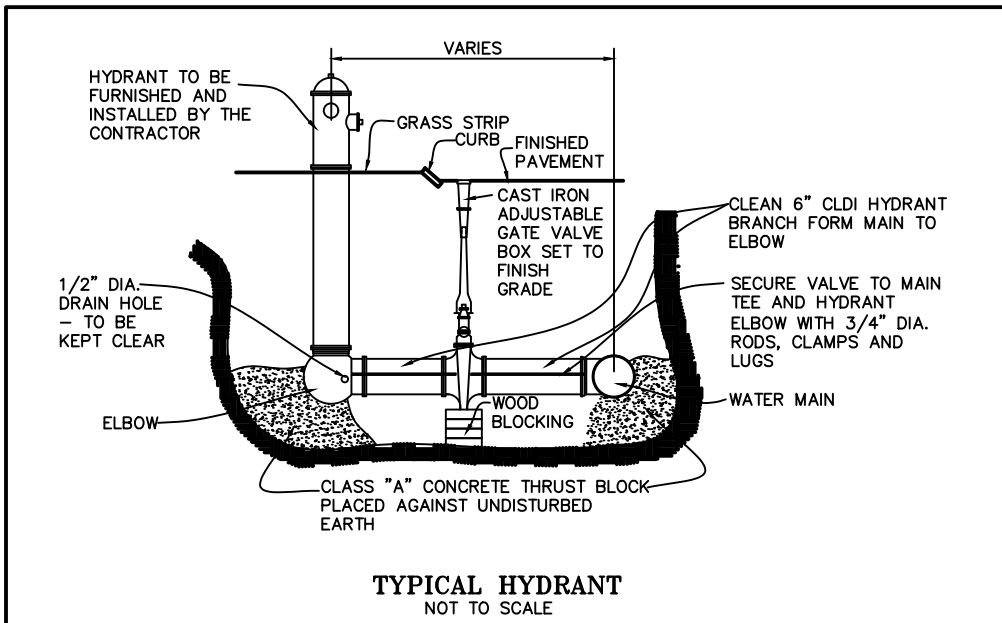
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F4598



Legend

- Replication Area
- Ferns & Wetland Seed Mix = +/- 1,260 SF
- Trees: 4 Total
 - Red maple (Acer rubrum): 4
- Shrubs: 15 Total
 - Highbush blueberry (Vaccinium corymbosum): 8
 - Sweet pepperbush (Clethra alnifolia): 7

GIS graphics displayed on a site plan titled Resource Area Plot Plan, prepared by Guerriere & Halnon, Inc., dated 08/10/2023.

Date: 01/31/2024 GC Job Number: 101-078

Wetland Replication Plan

Veterans Memorial Drive
Franklin, MA 02038

Property ID: 259-007-002

Scale: 1" = 15'

APPROVED DATE: _____

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LEGAL NOTES

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FRANKLIN, MA 02038
MAP 259 PARCEL 007-002
BOOK 34282 PAGE 520

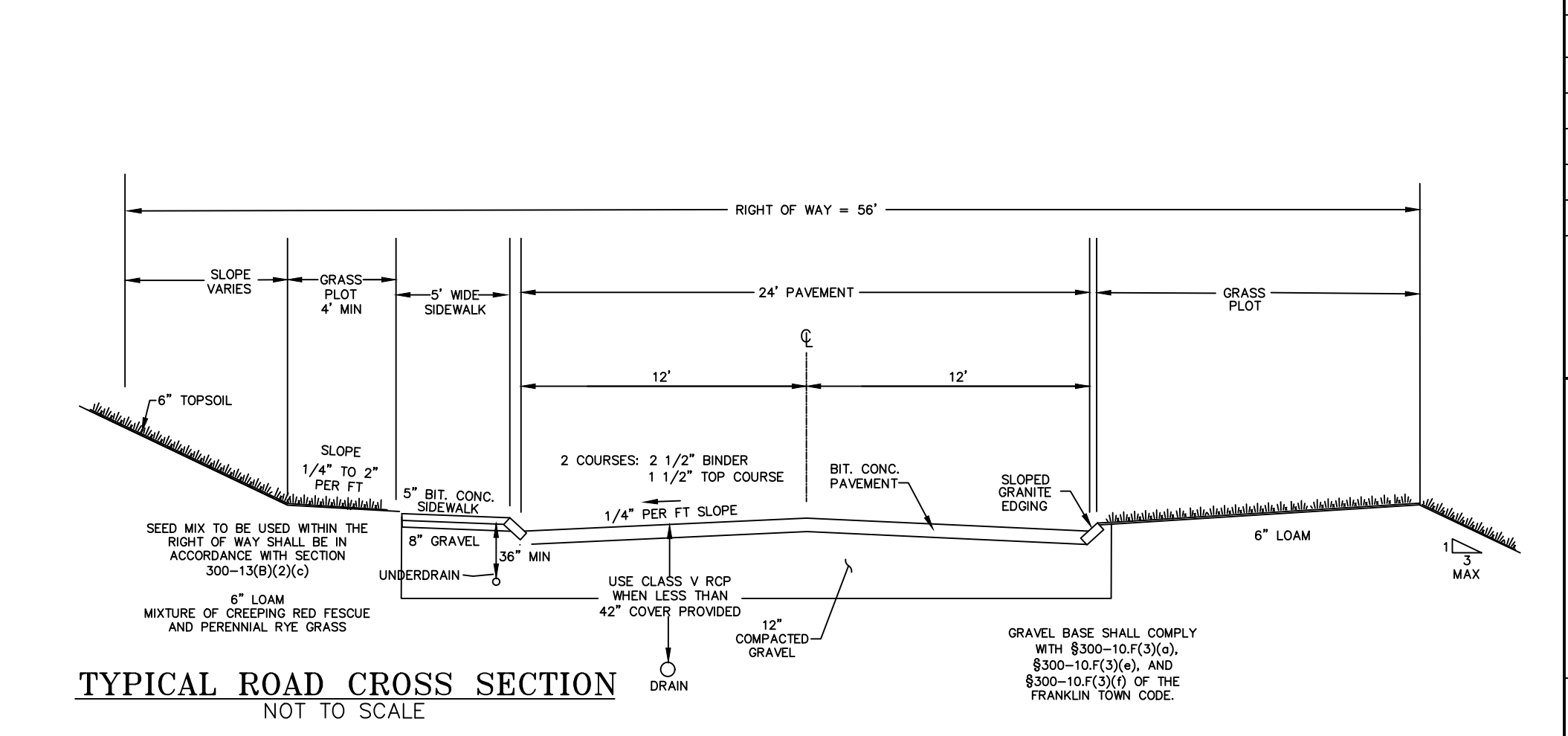
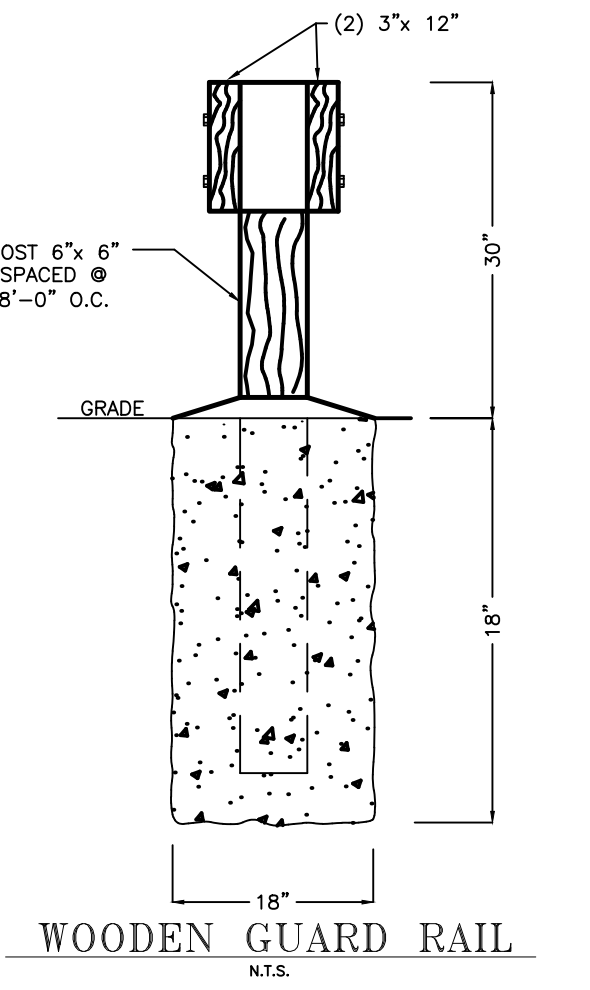
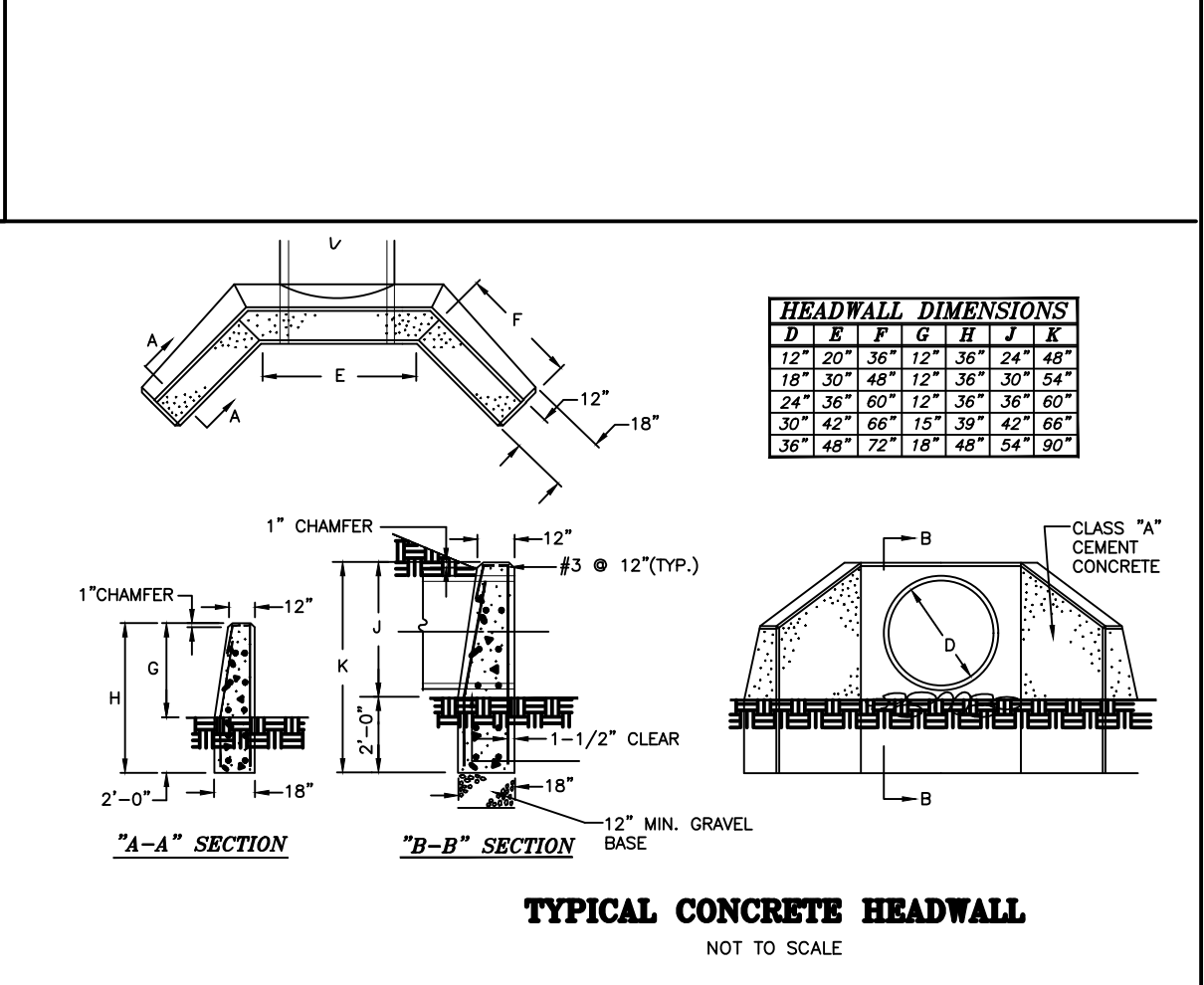
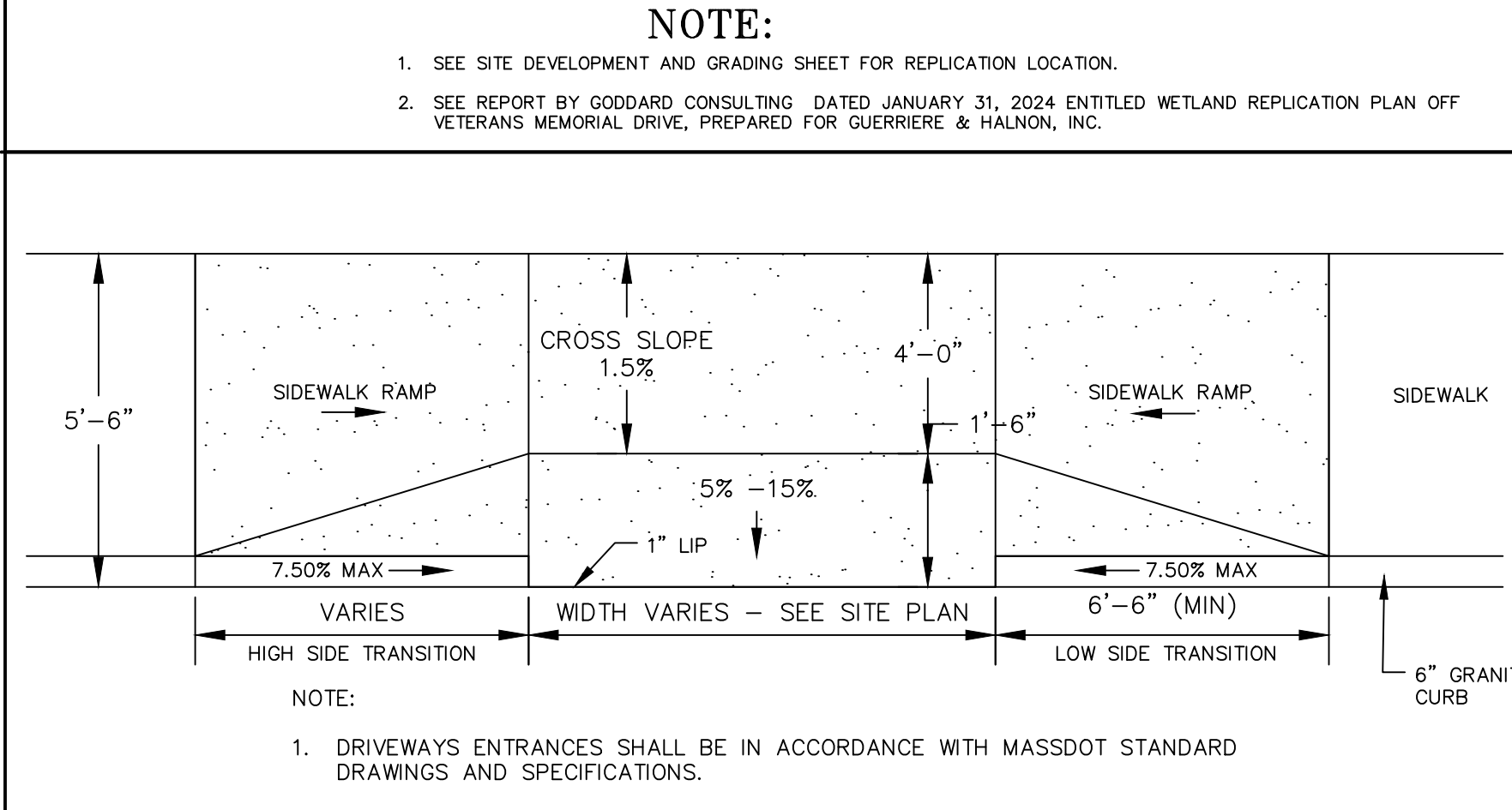
DEFINITIVE SUBDIVISION PLAN OF LAND
VETERANS MEMORIAL DRIVE EXTENSION
FRANKLIN MASSACHUSETTS

CONSTRUCTION DETAILS

April 2, 2024

DATE	REVISION DESCRIPTION

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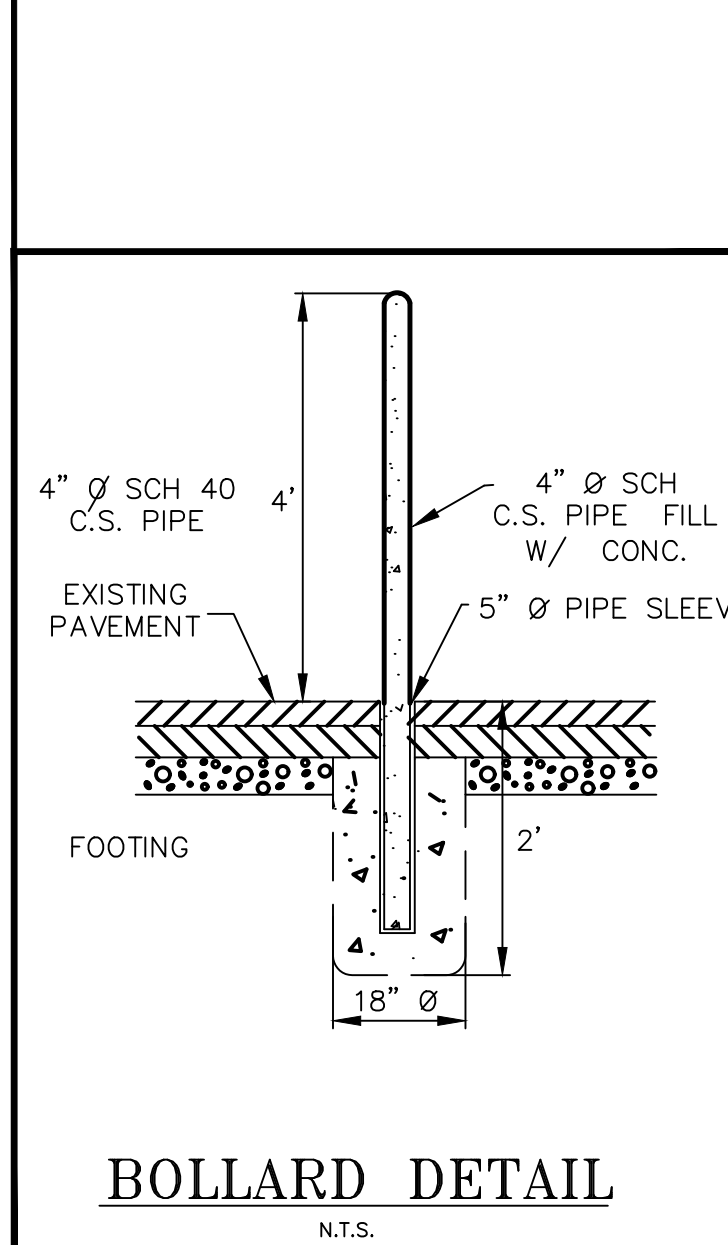
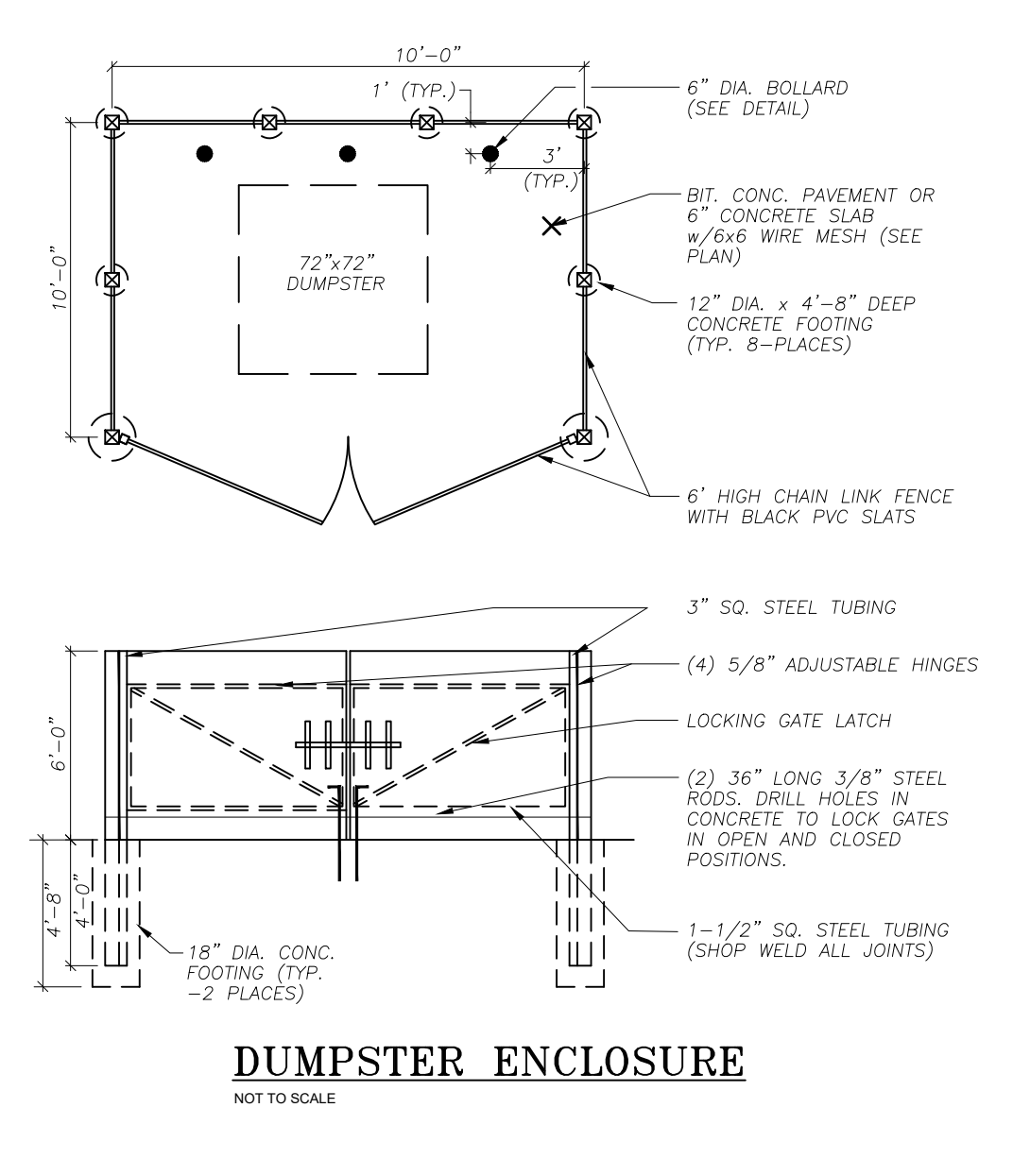
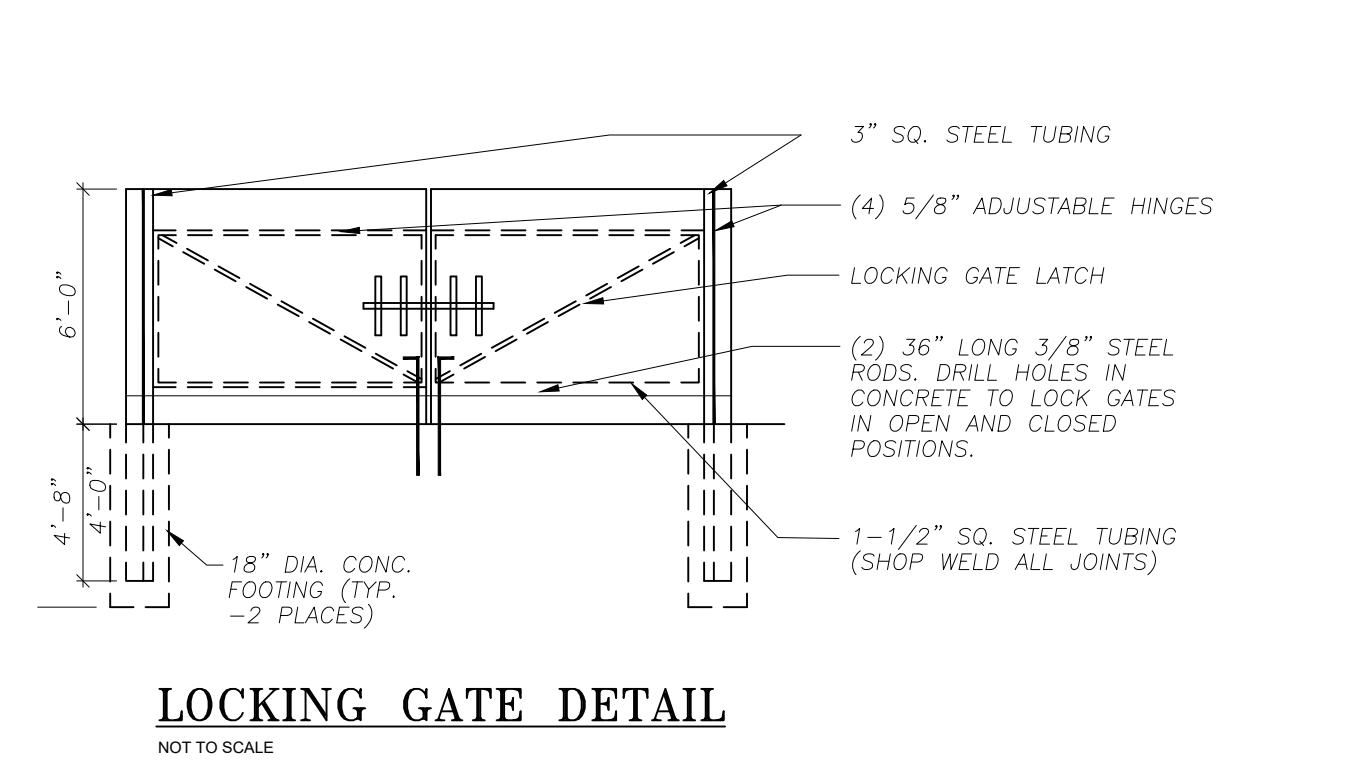
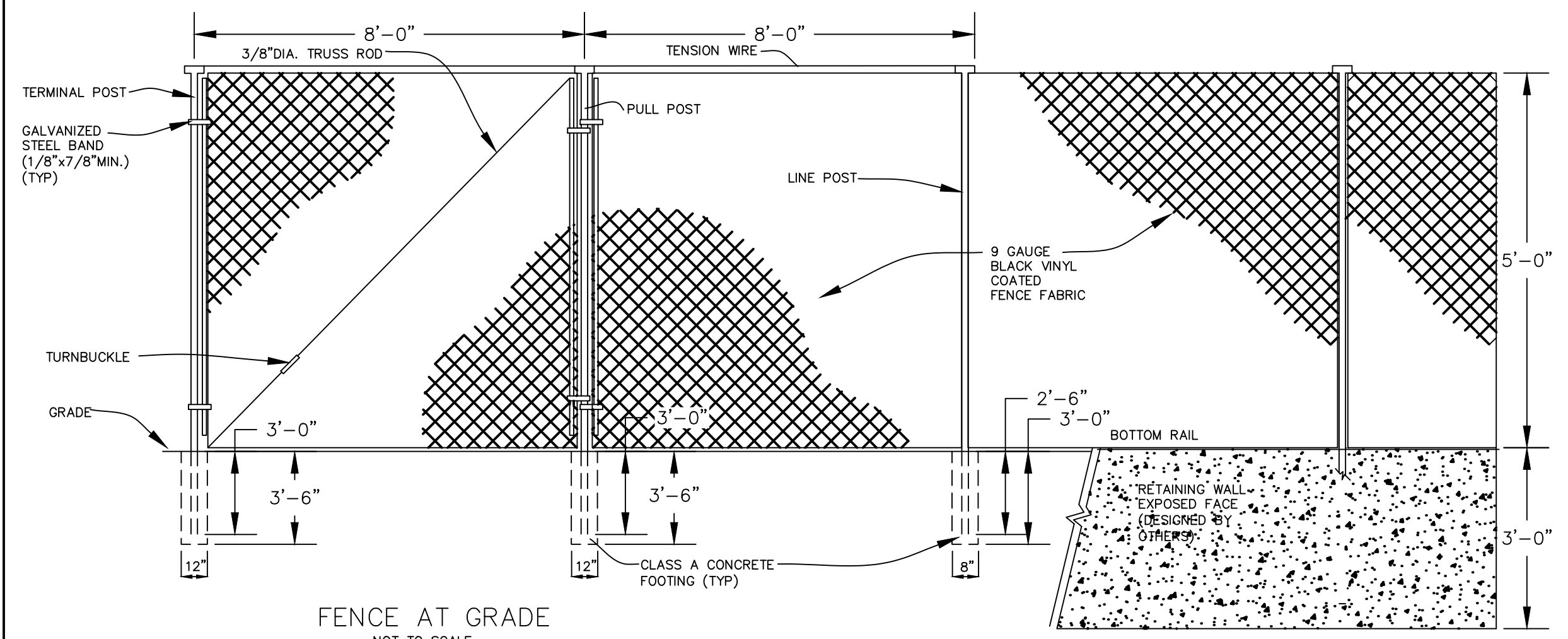
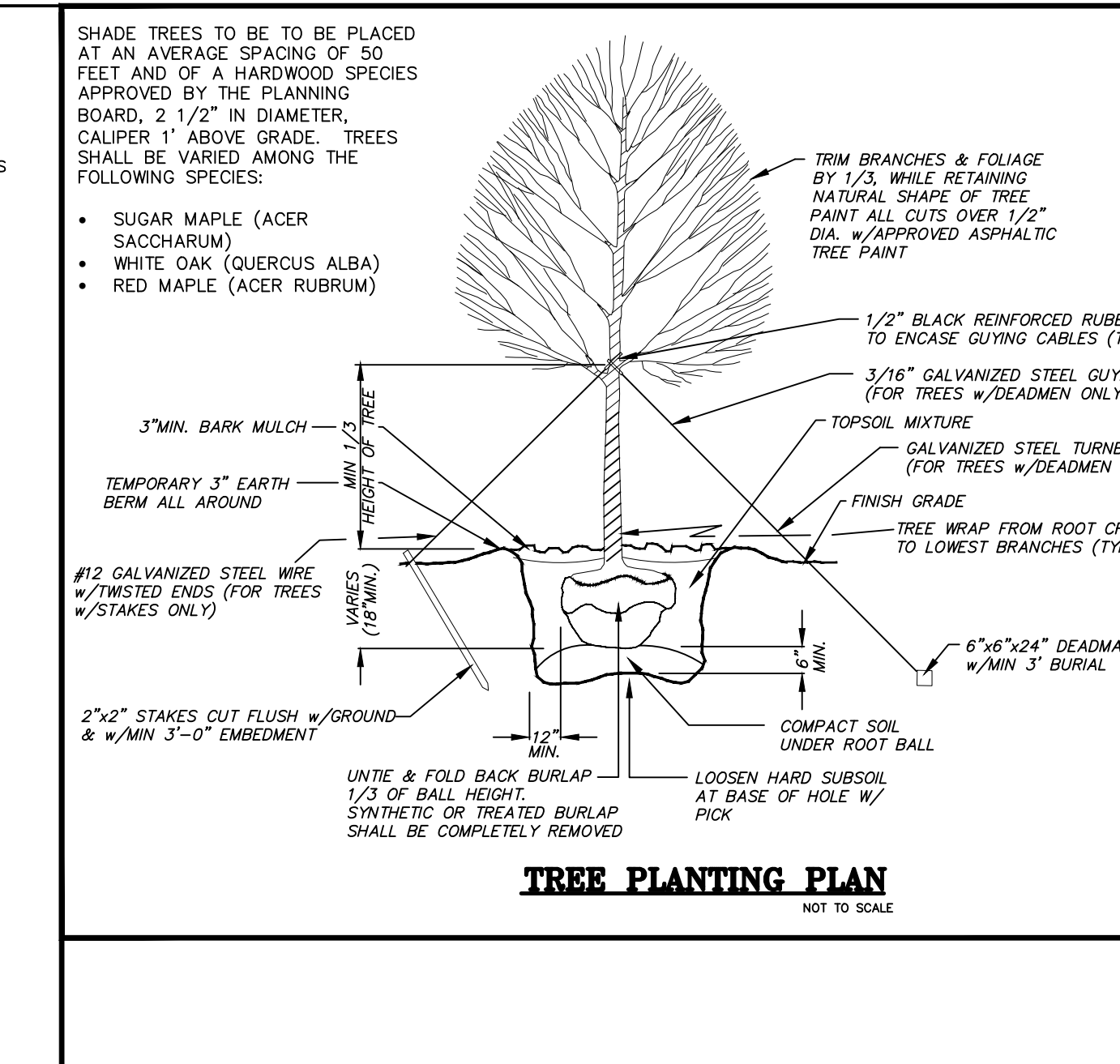
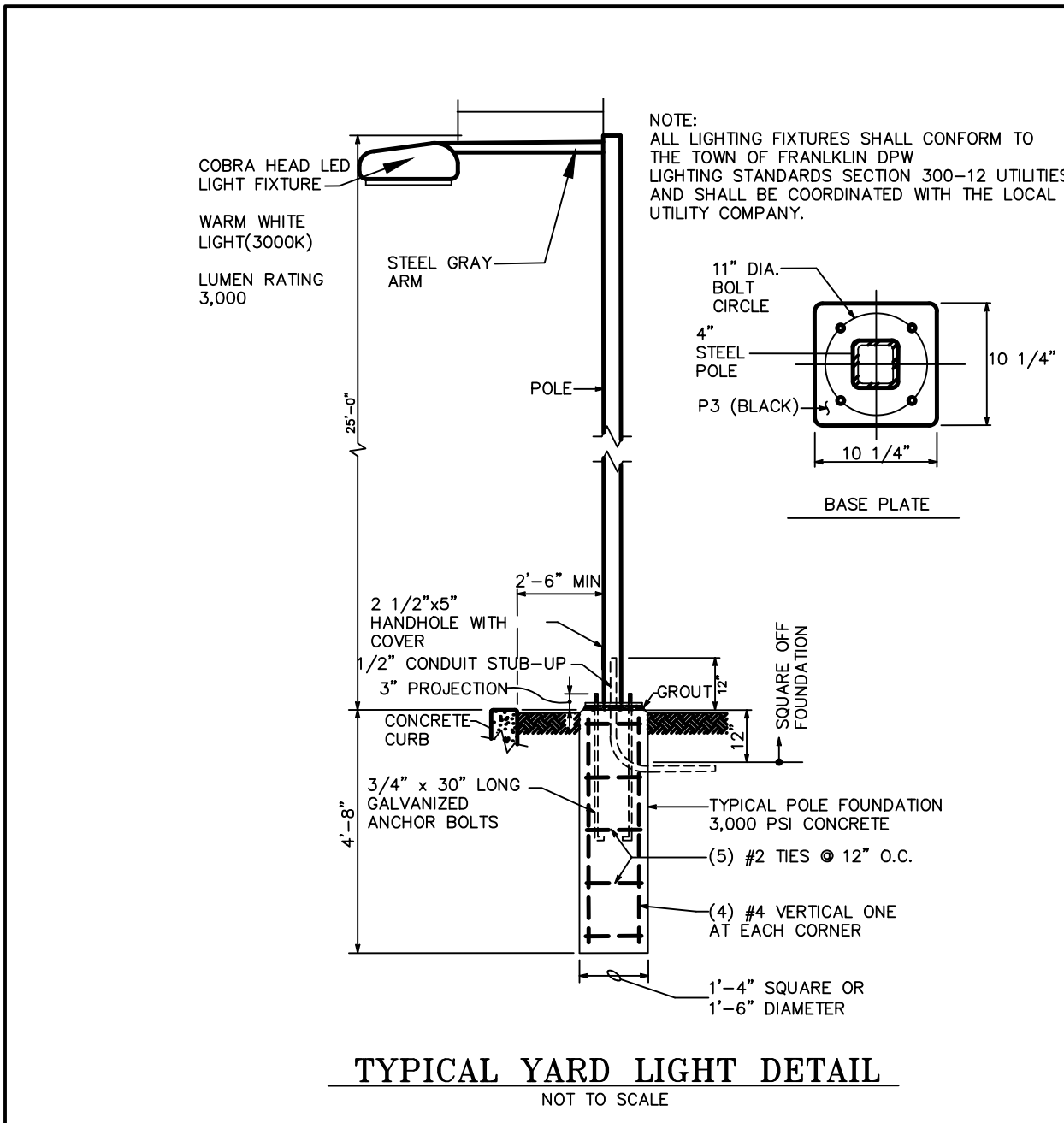
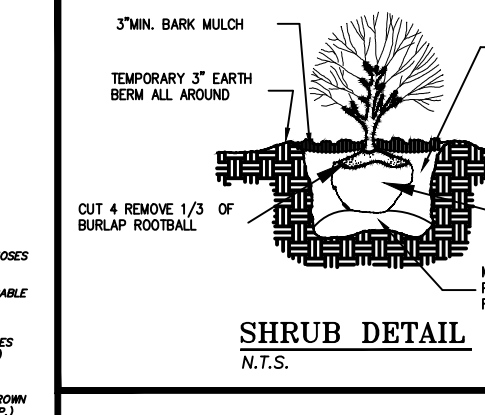
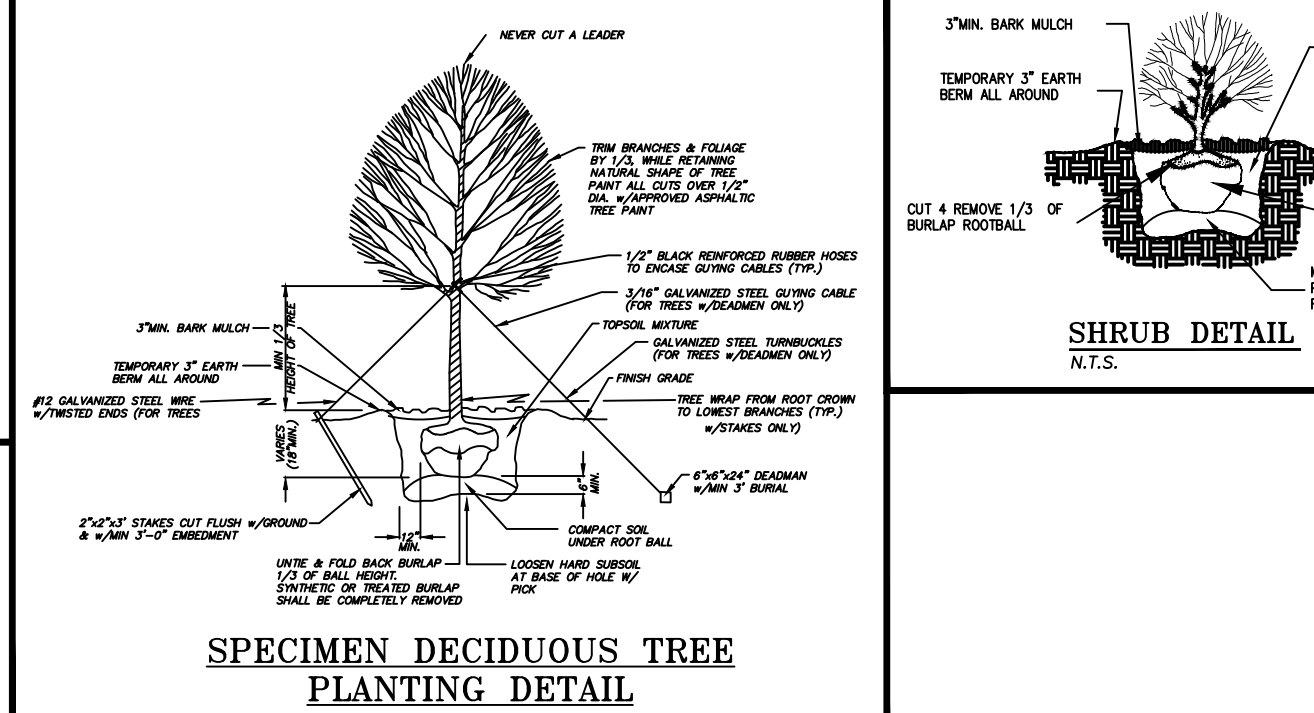
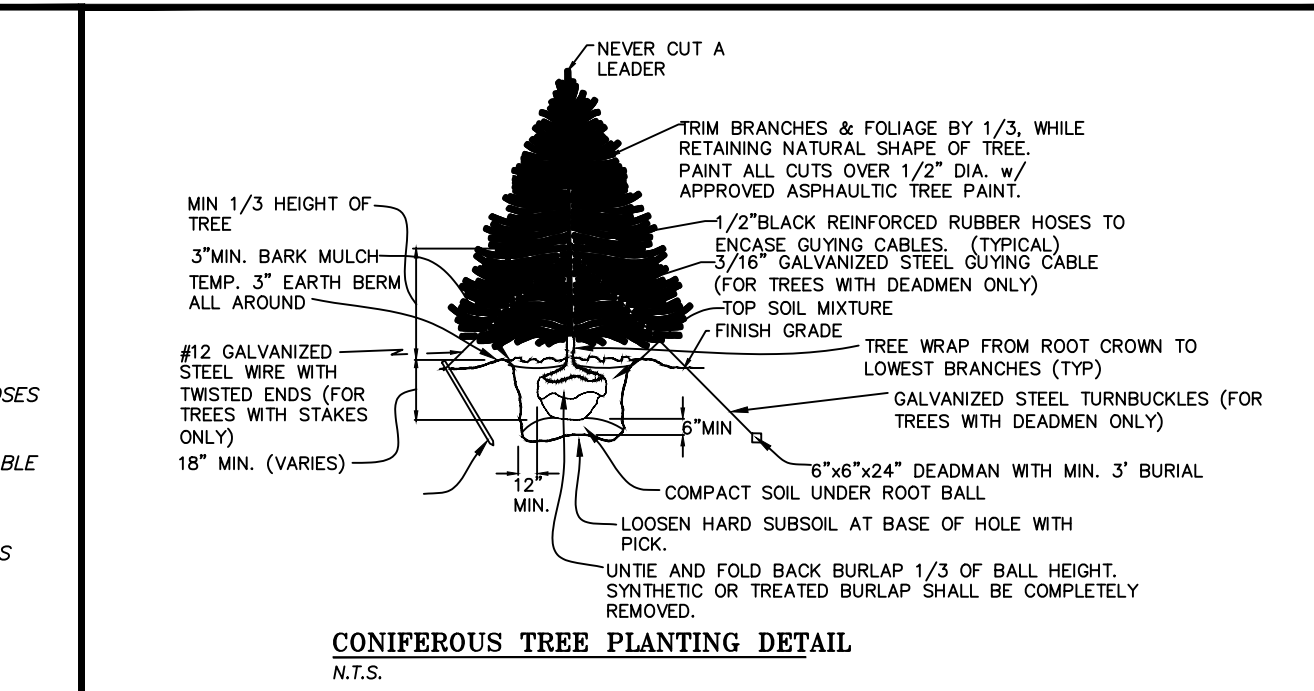
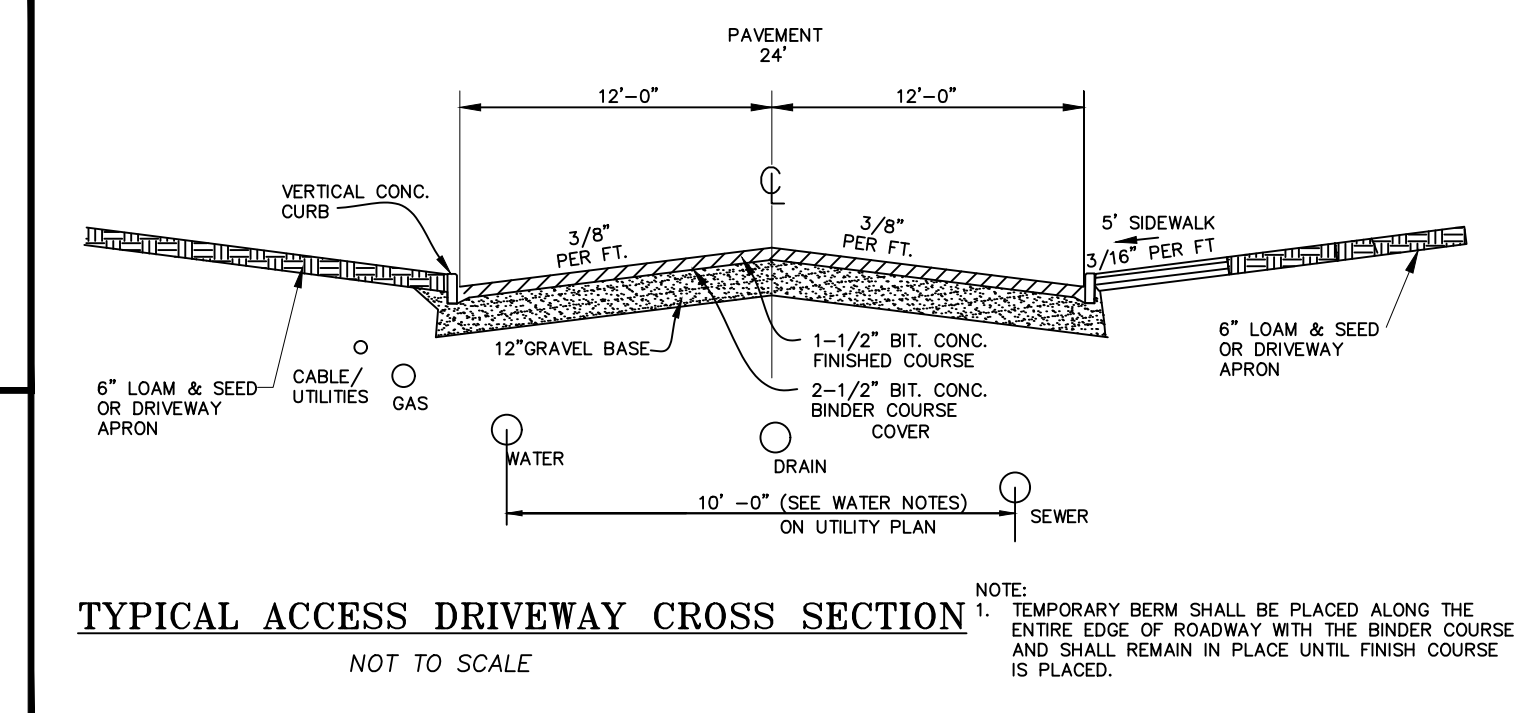
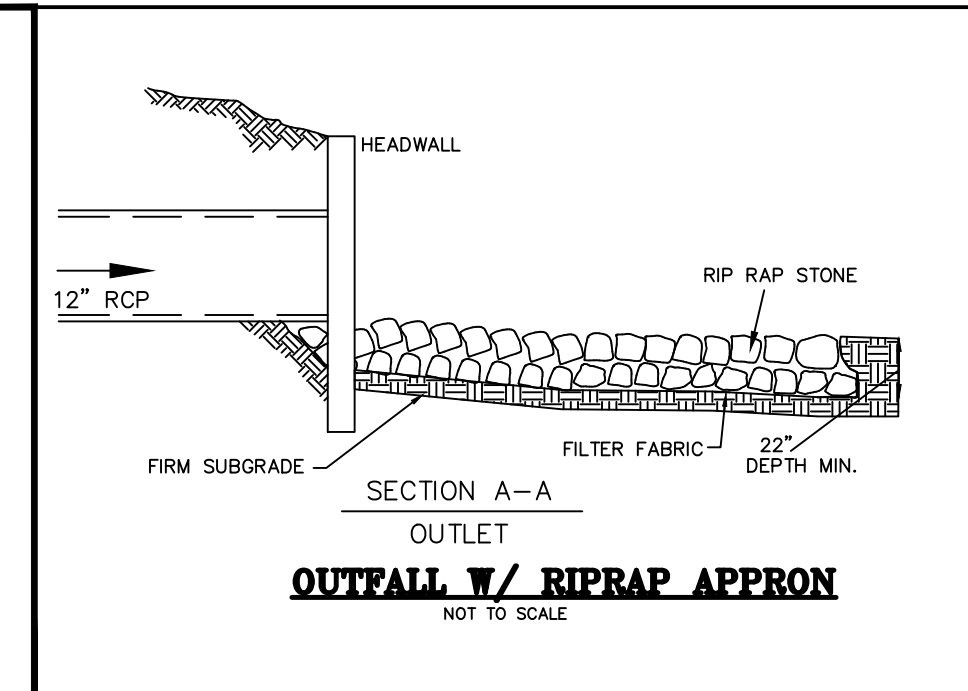
DEFINITIVE SUBDIVISION
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**VETERANS MEMORIAL
 DRIVE EXTENSION**
 FRANKLIN MASSACHUSETTS

CONSTRUCTION DETAILS

April 2, 2024

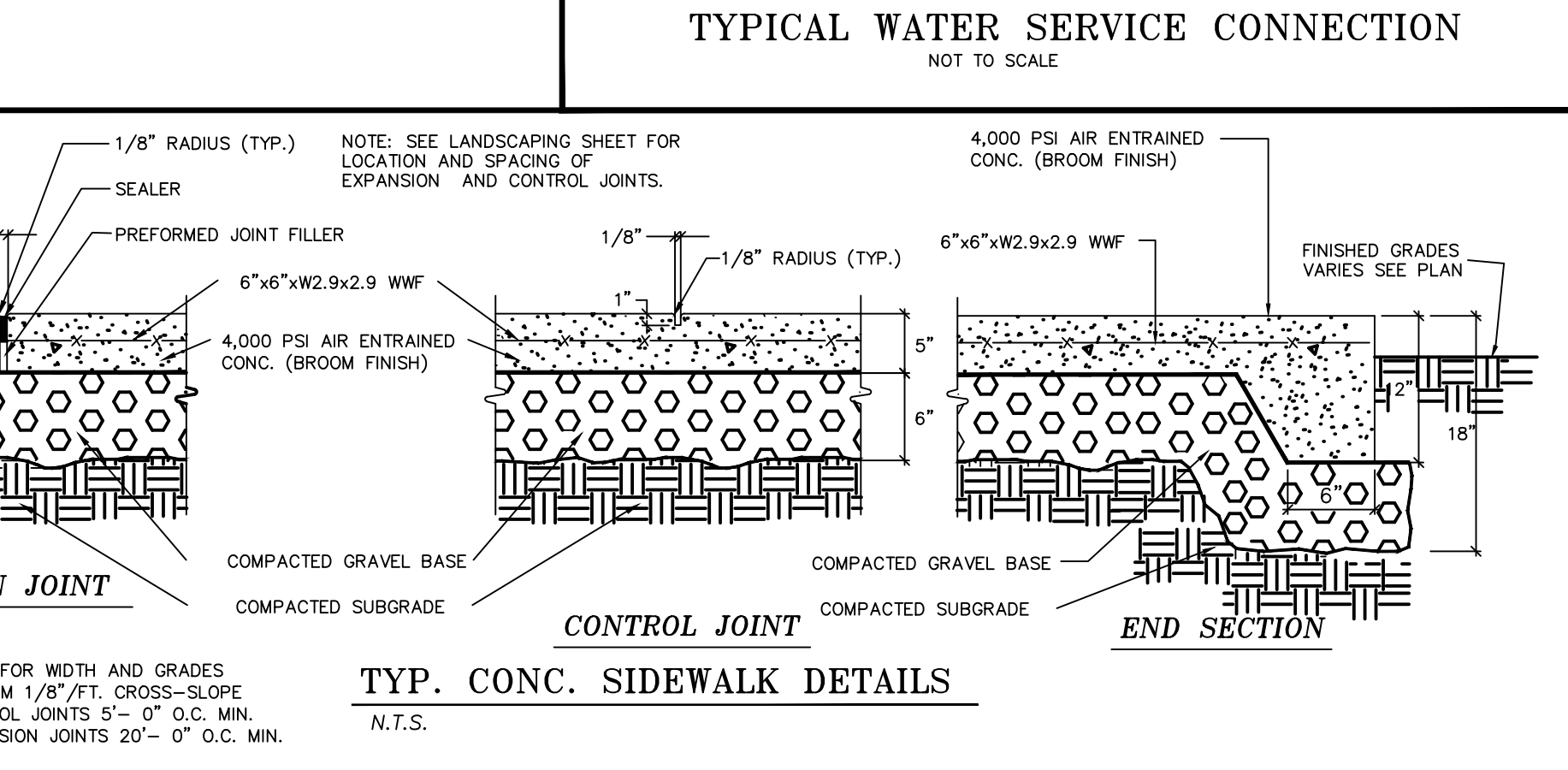
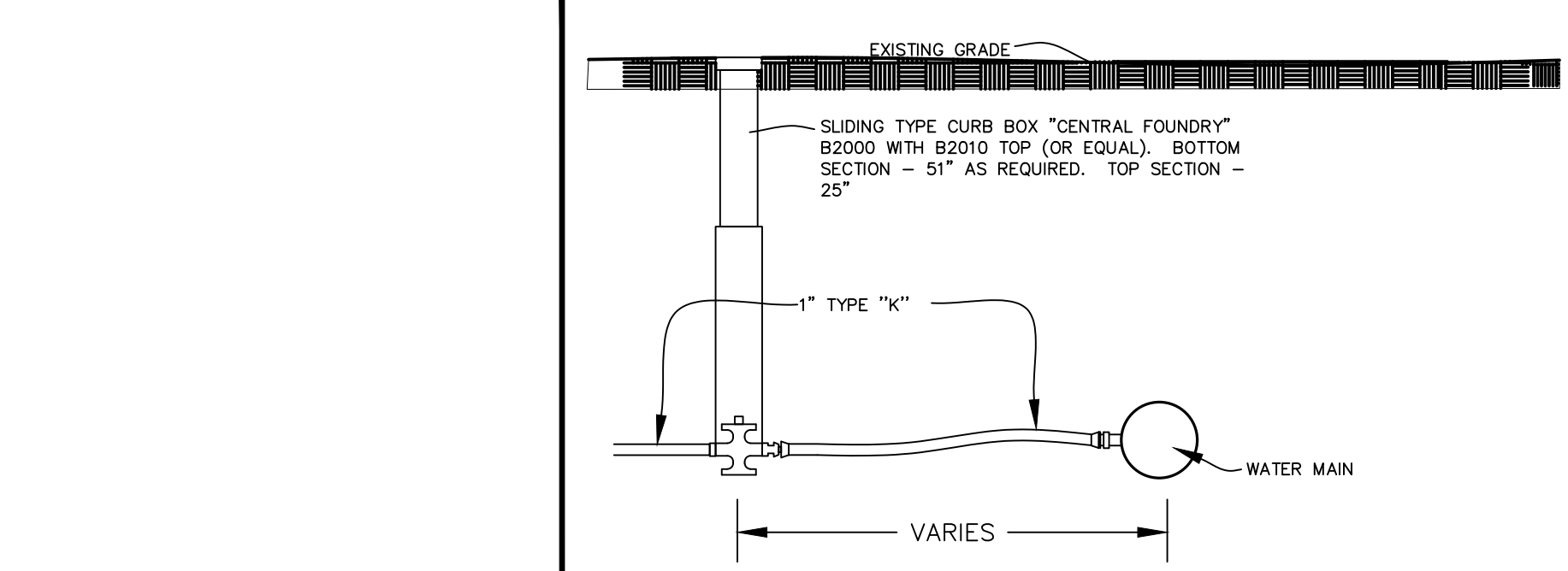
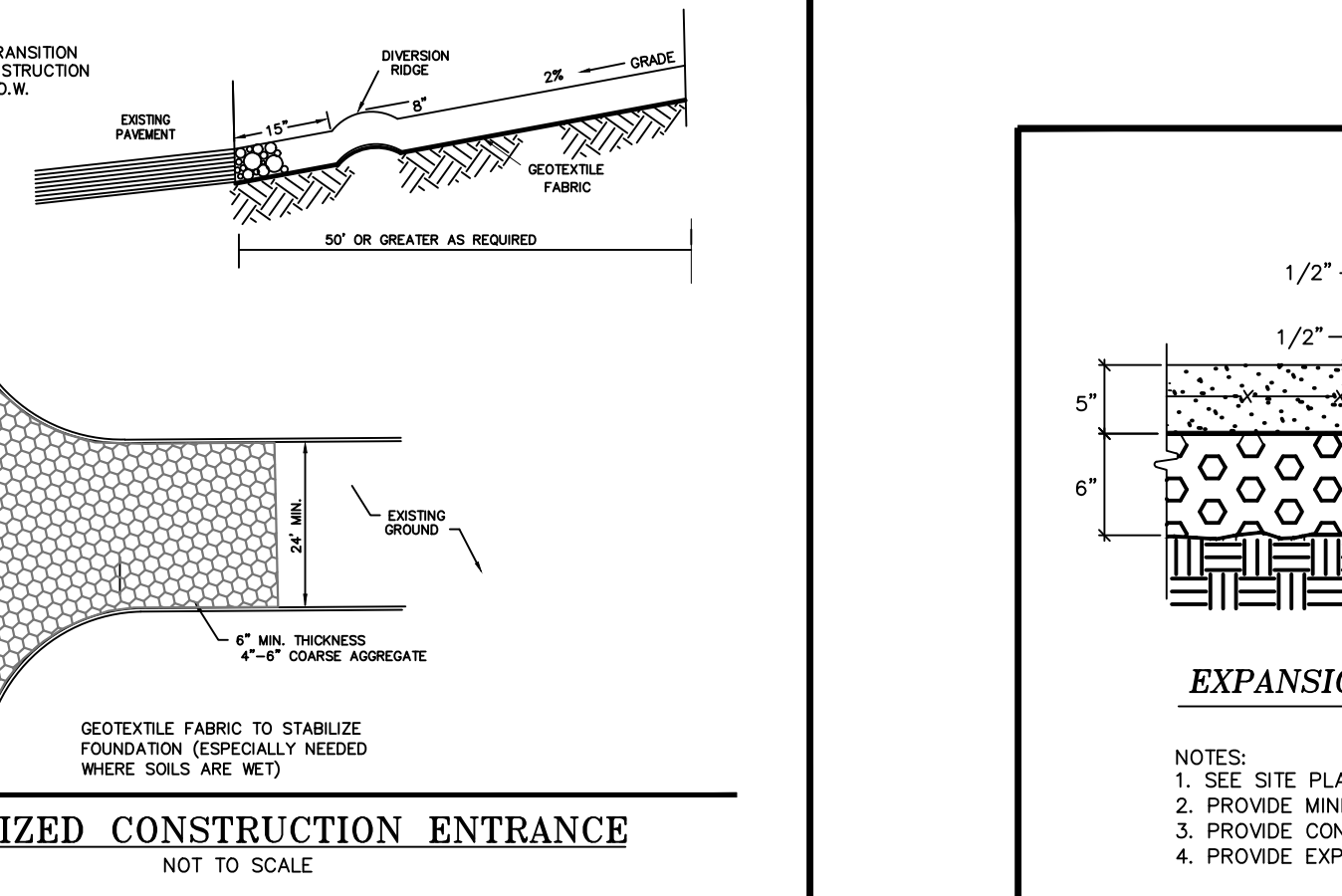
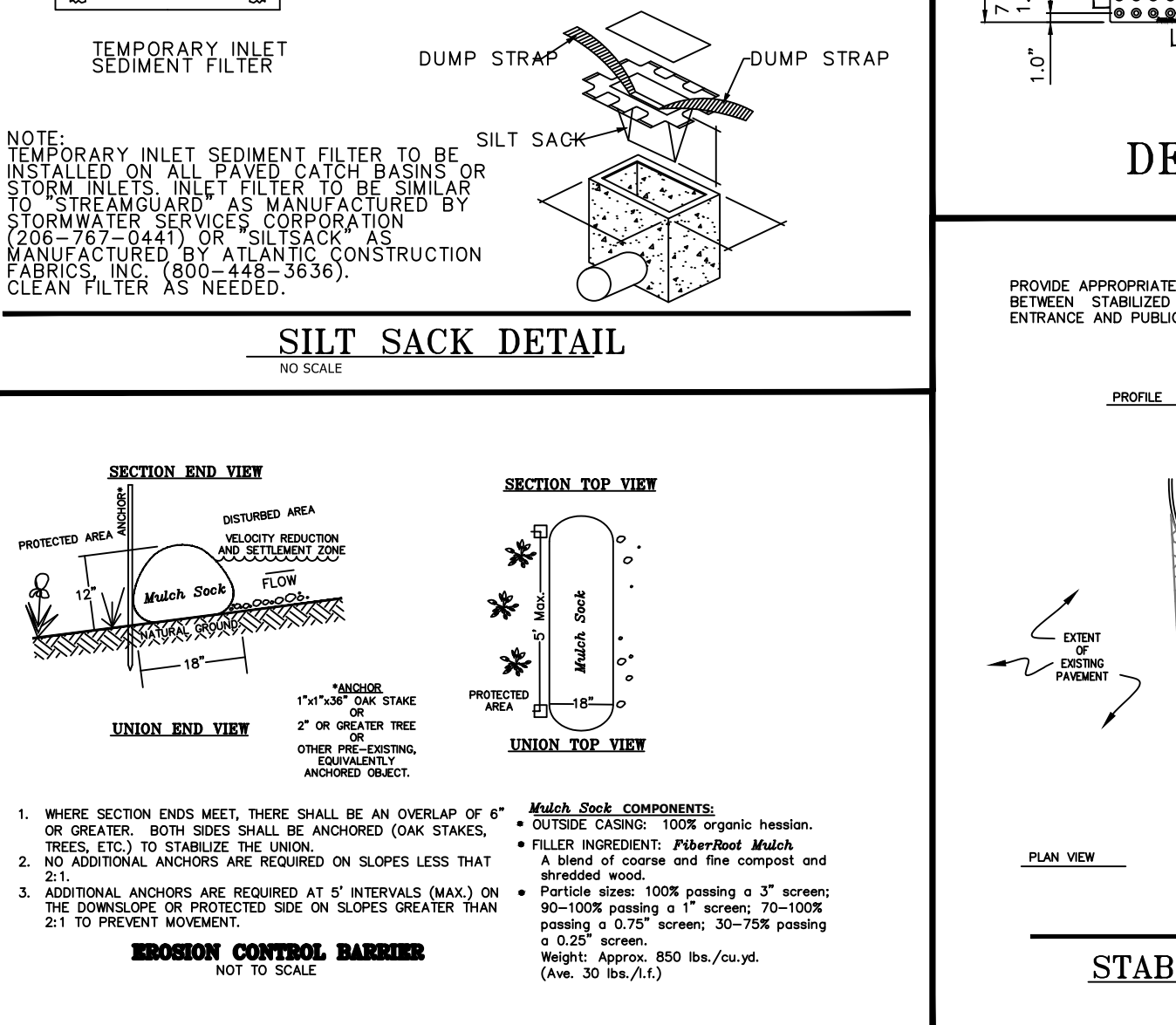
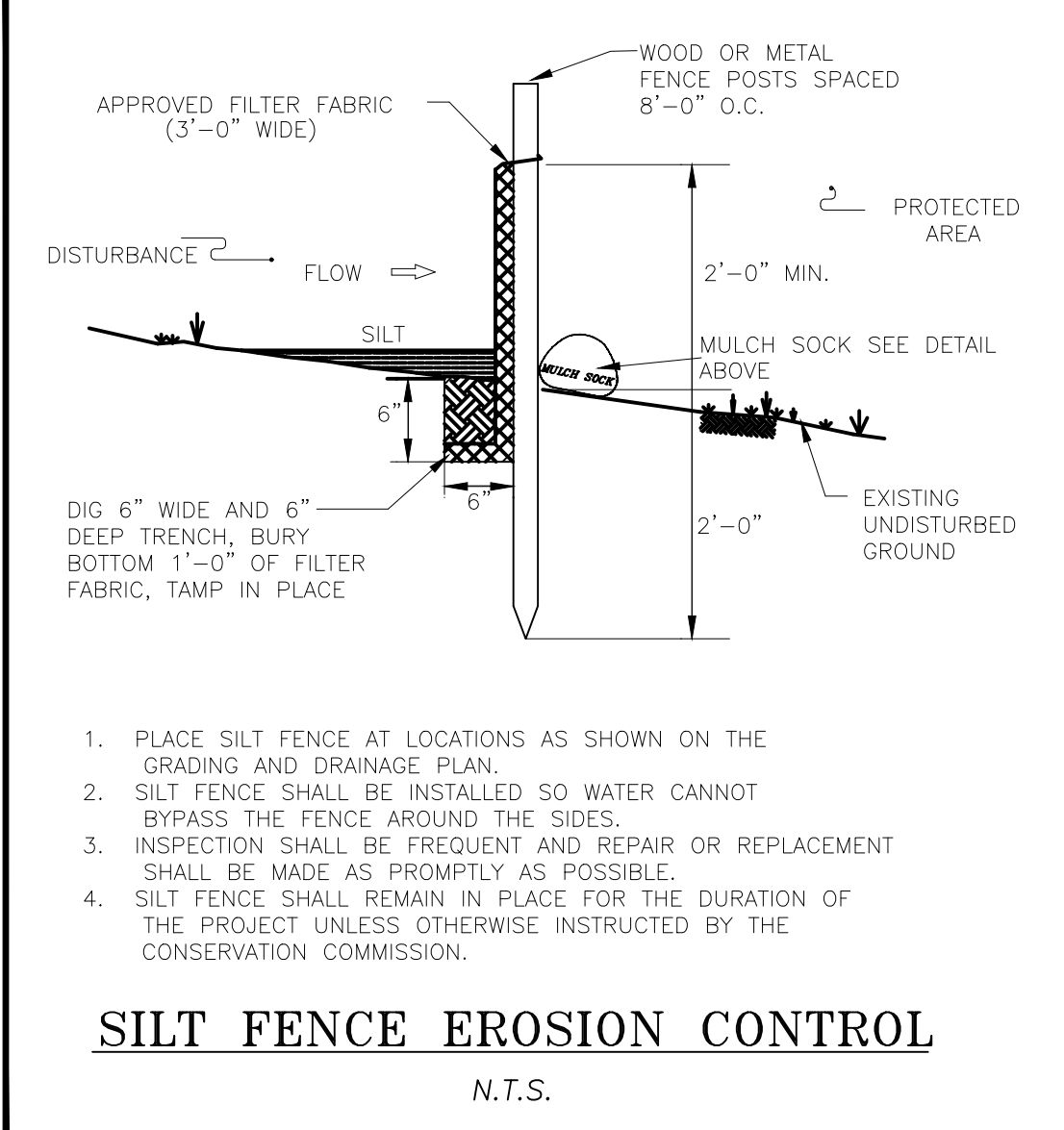
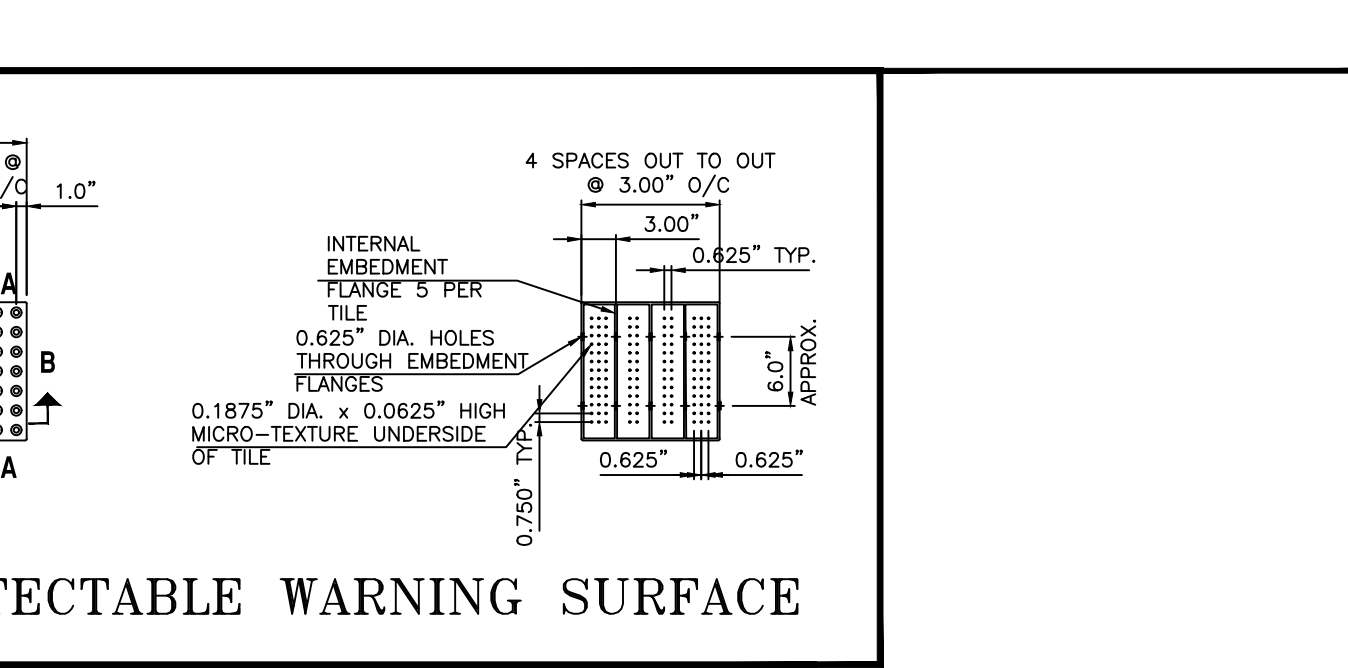
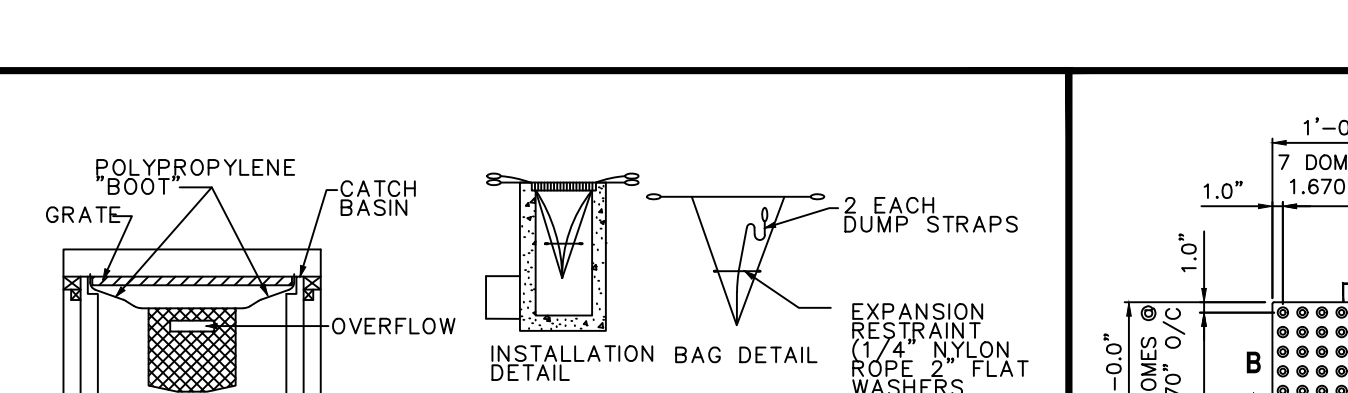
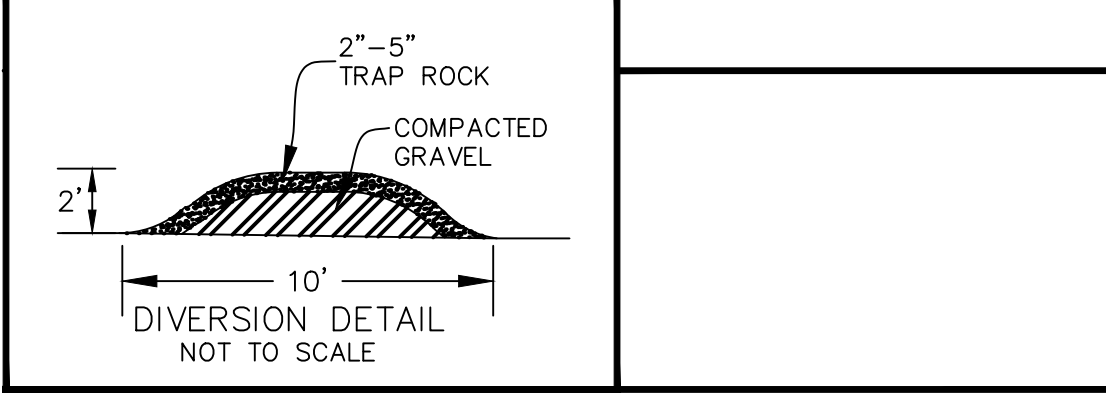
DATE	REVISION DESCRIPTION

Guerriere & Halnon, Inc.
 ENGINEERING & LAND SURVEYING
 55 WEST CENTRAL ST. PH. (508) 528-3221
 FRANKLIN, MA 02038 FX. (508) 528-7921
 www.gandhengineering.com



- NOTES:
1. TOP TENSION WIRE SHALL BE 7 GAUGE ATTACHED WITH 12.5 GAUGE HOG RINGS, 12" O.C.
 2. TOP RAIL WIRE TIES SHALL BE SPACED AT 24" MAX.
 3. FENCE FABRIC TO BE LOCATED ON OUTSIDE OF FENCE POSTS.
 4. BOTTOM OF FENCE FABRIC TO BE SECURED TO RETAINING WALL.

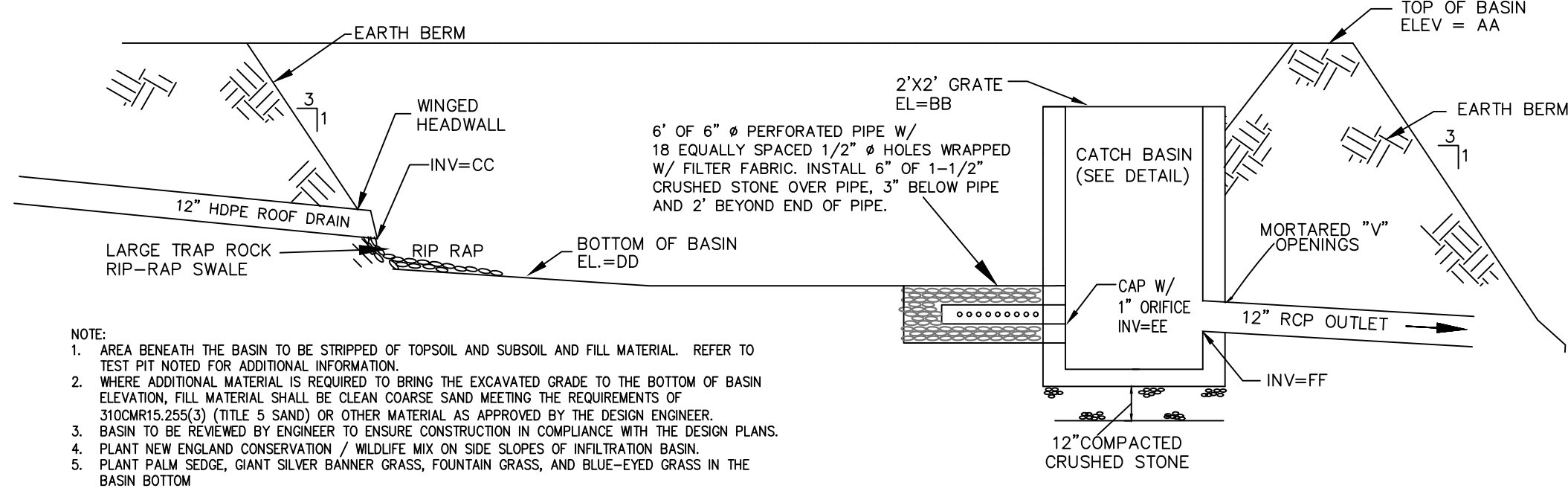
CHAIN LINK FENCE
NOT TO SCALE



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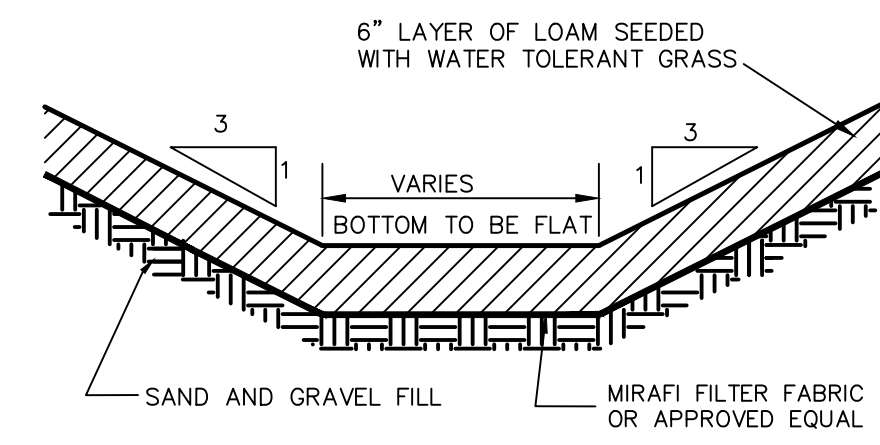
	DET. #1	DET. #2	
AA	TOP OF BASIN	363.00	363.50
BB	2'X2' CATCH BASIN GRATE INVERT.	361.80	362.20
CC	12" INVERT IN	361.00	N/A
DD	BOTTOM OF BASIN	360.00	359.00
EE	1.5" ORIFICE INVERT	360.00	359.00
FF	12" RCP OUT INVERT	357.57	359.18

ELEVATIONS



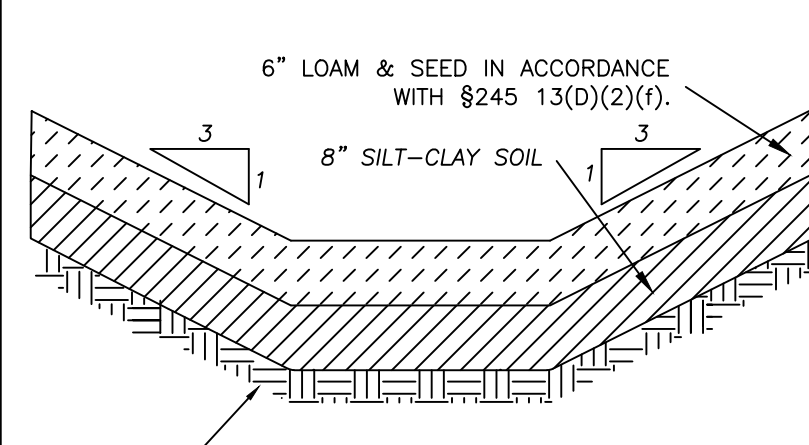
DETENTION BASIN PROFILE

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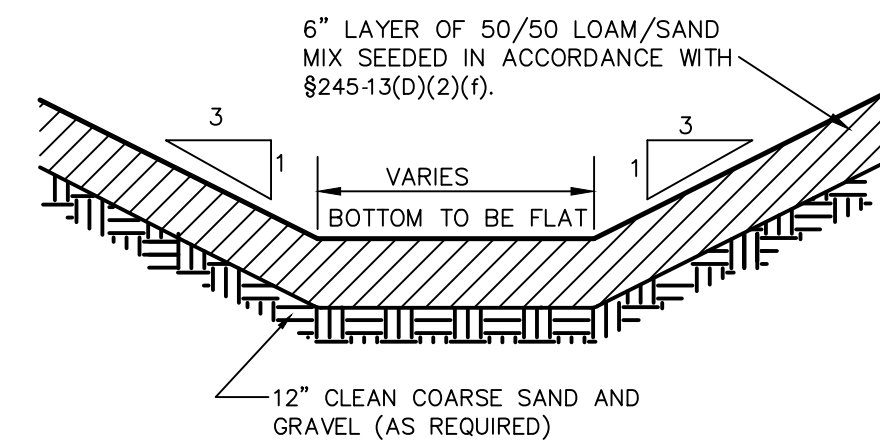
CROSS SECTION SEDIMENT BASIN (DURING CONSTRUCTION)

NOT TO SCALE



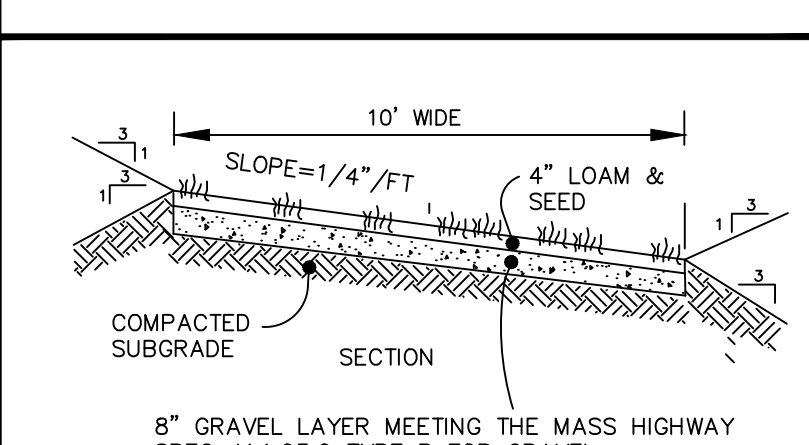
CROSS SECTION SEDIMENT FOREBAY

NOT TO SCALE



CROSS SECTION INFILTRATION BASIN

NOT TO SCALE



10 FOOT WIDE ACCESS ROAD

NOT TO SCALE

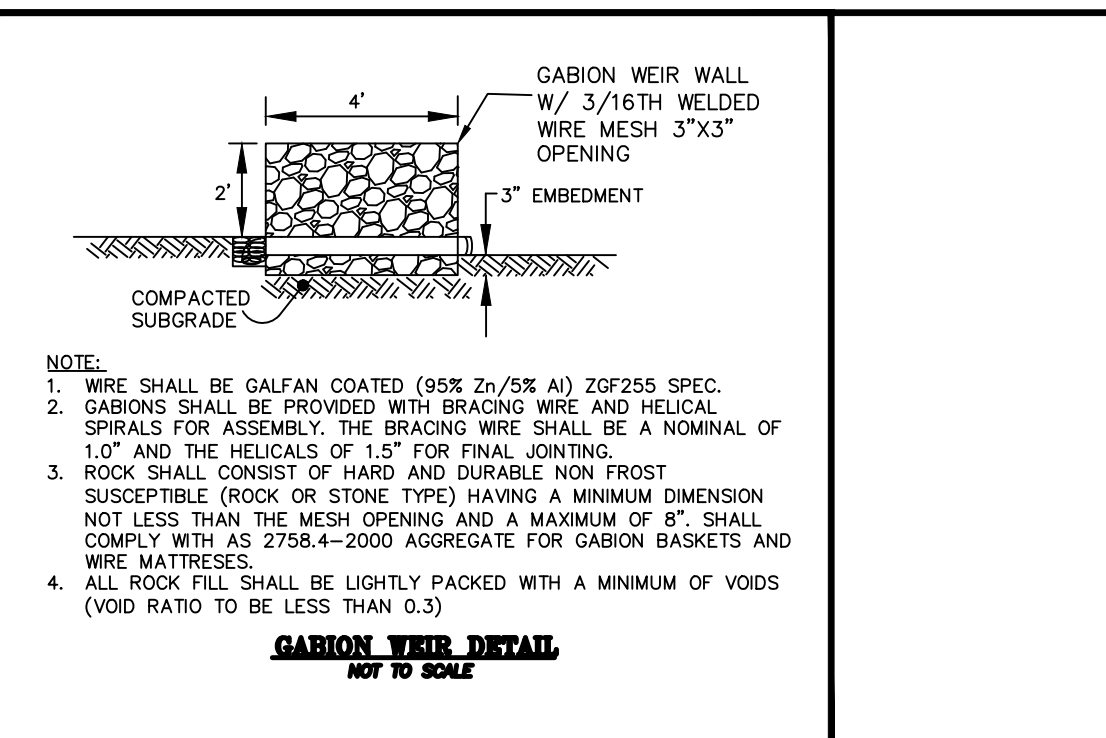
TESTING INFORMATION			
SOIL EVALUATOR: MICHAEL HASSETT			
TESTING DATES:			
8/8/19 DTH #1-#17			
8/9/19 DTH #18-#23			
321.50	DTH#1	0"	A S.L.
321.17	A S.L.	4"	10YR 3/3
319.50	B S.L.	24"	10YR 5/6
315.00	C SAND	78"	2.5Y 5/4
310.50	C L.S.	132"	2.5Y 5/2
PERC DEPTH	N/A	WEEPING	N/A
REFUSAL	64"	MOTTLES	N/A
SOIL CLASS	I	WATER	N/A



APPROVED DATE: _____

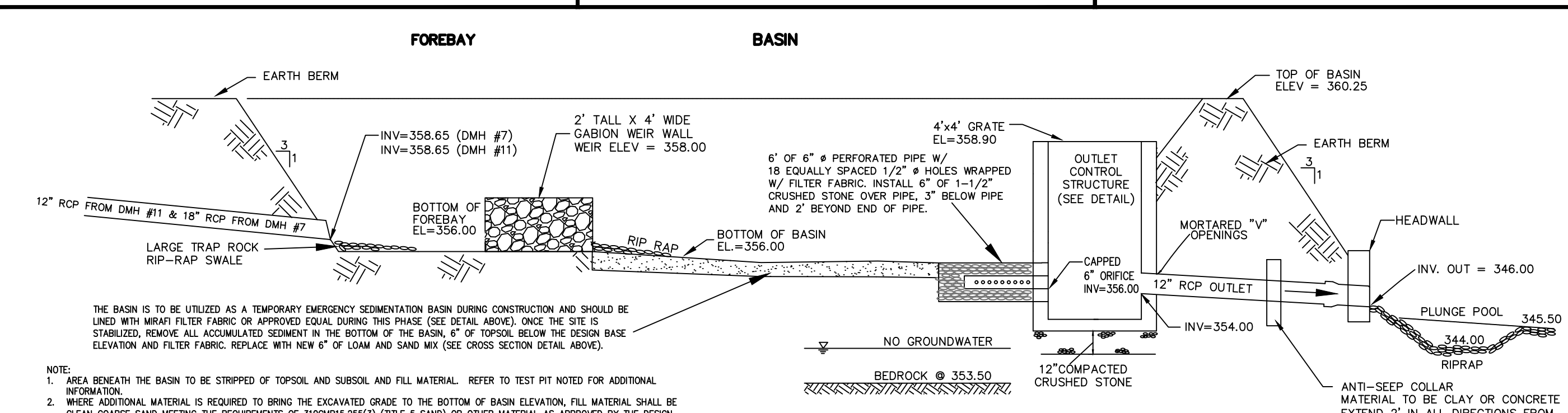
FRANKLIN PLANNING BOARD

BEING A MAJORITY



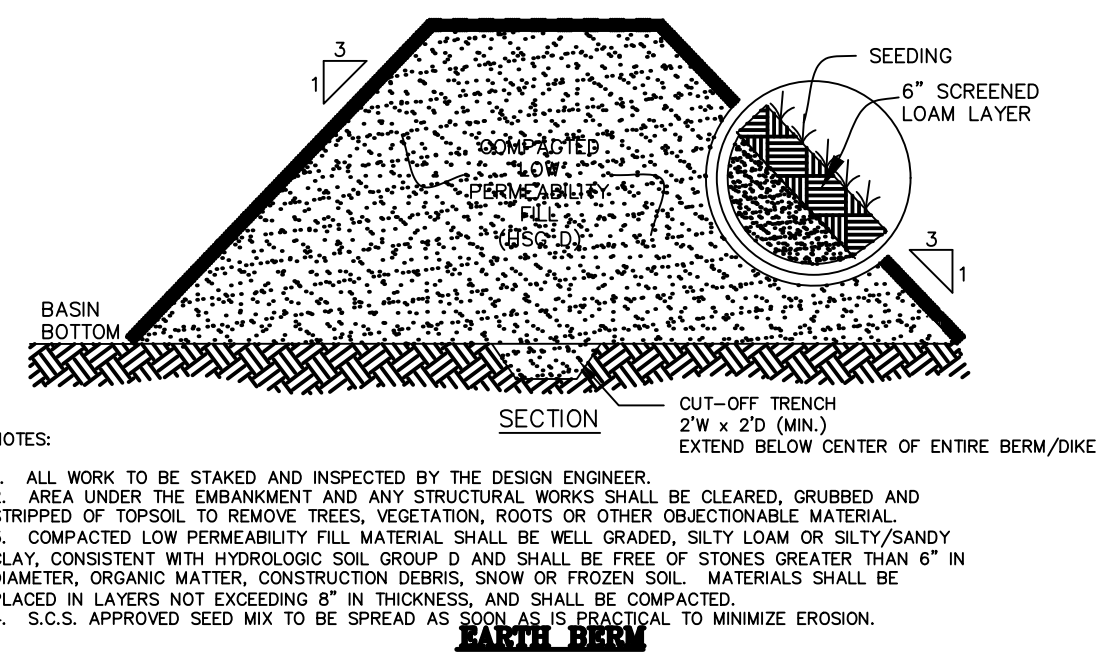
GABION WEIR DETAIL

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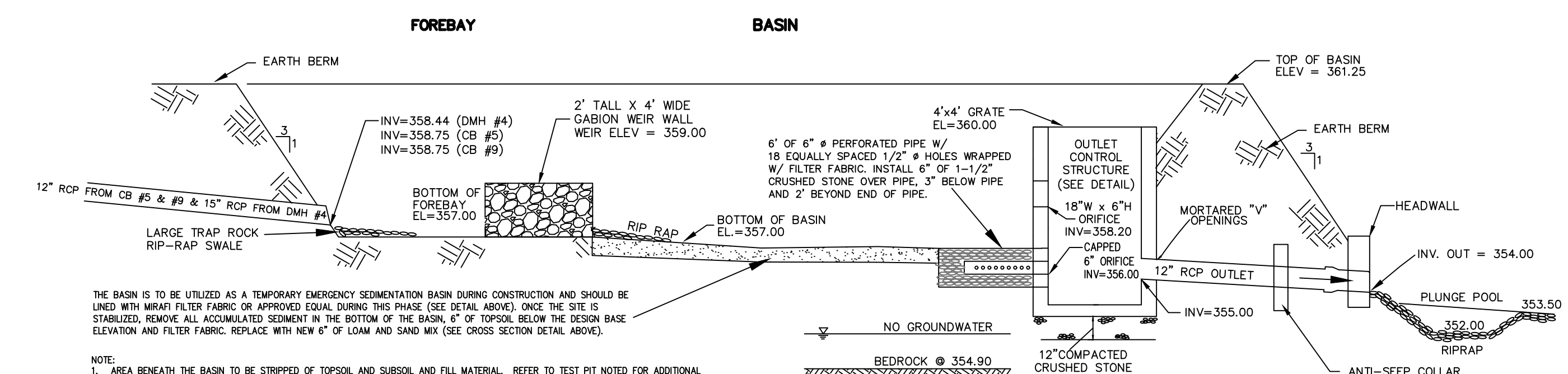
FOREBAY/INFILTRATION BASIN #3 PROFILE

NOT TO SCALE



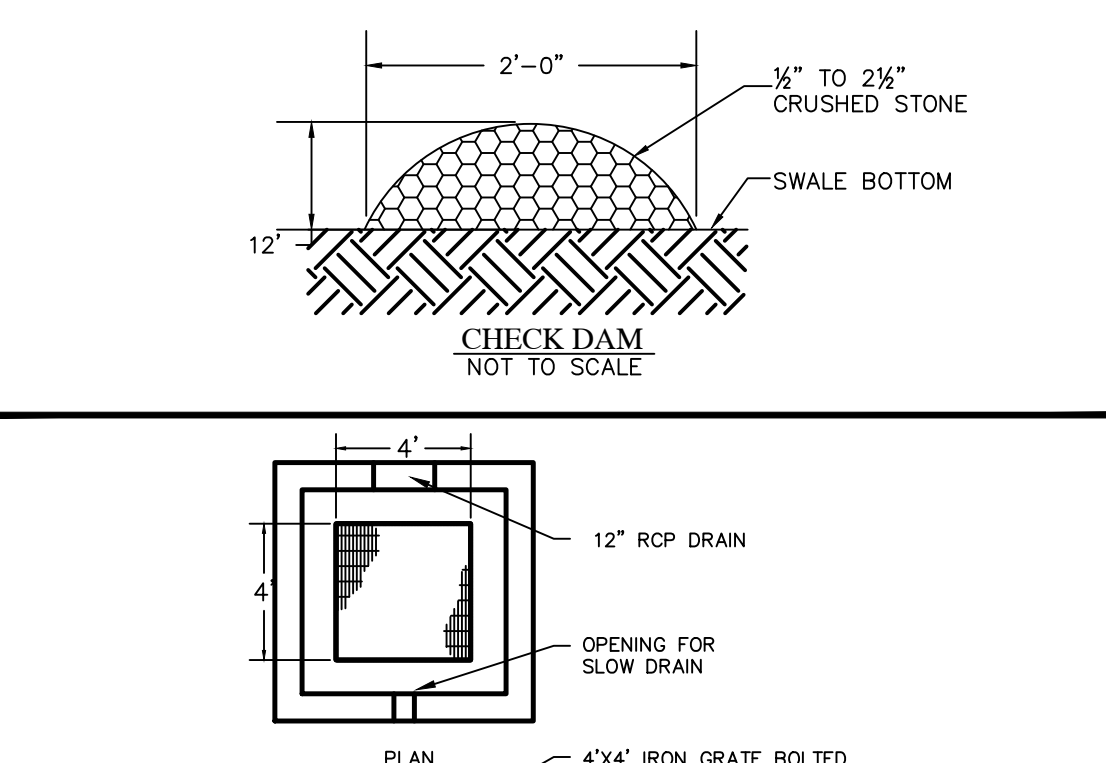
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NOT TO SCALE



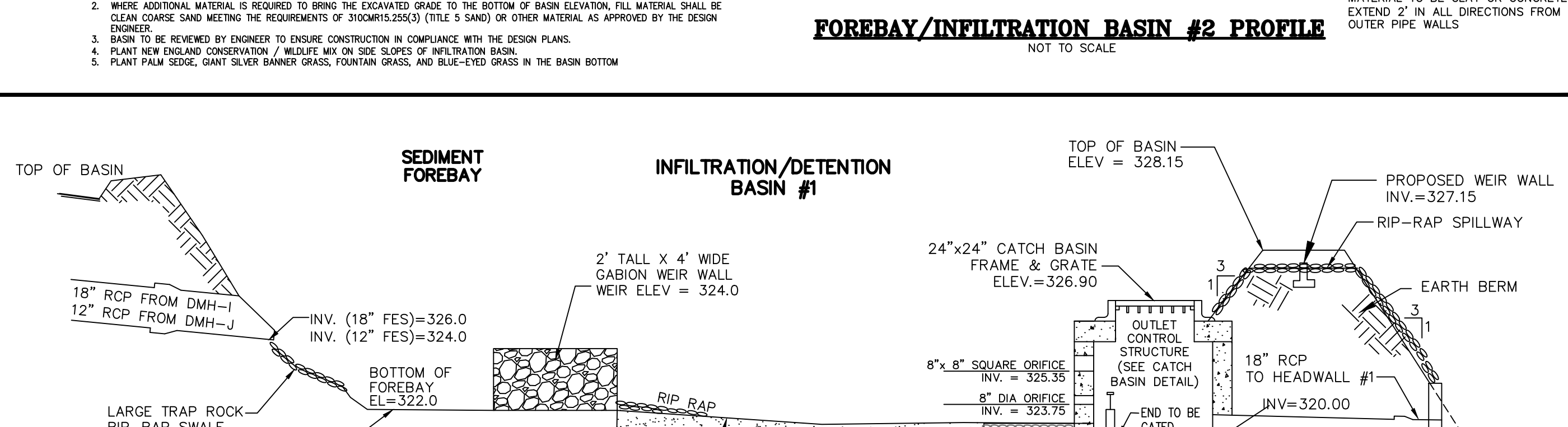
FOREBAY/INFILTRATION BASIN #2 PROFILE

NOT TO SCALE



OUTLET CONTROL STRUCTURE

NOT TO SCALE



INFILTRATION/DETENTION BASIN #1

NOT TO SCALE

376.20	DTH#9	0"	A S.L.
374.70	A/B S.L.	18"	
PERC DEPTH	N/A	WEEPING	N/A
REFUSAL	60"	MOTTLES	N/A
SOIL CLASS	I	WATER	N/A

LEGAL NOTES

UTILITIES ARE PLOTTED AS A COMPILATION OF RECORD DOCUMENTS, MARKINGS AND OTHER OBSERVED EVIDENCE TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES AND SHOULD BE CONSIDERED APPROXIMATE. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. ADDITIONAL UTILITIES, NOT EVIDENCED BY RECORD DOCUMENTS OR OBSERVED PHYSICAL EVIDENCE, MAY EXIST. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING AND CALL DIGSAFE AT 1(888)DIG-SAFE(7233).

CONSTRUCTION ON THIS LAND IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS, OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

OWNER/APPLICANT

FRANKLIN MUNICIPAL AFFORDABLE HOUSING TRUST
355 EAST CENTRAL STREET
FRANKLIN, MA. 02038
MAP 259 PARCEL 007-002
BOOK 34282 PAGE 520

DEFINITIVE SUBDIVISION PLAN OF LAND VETERANS MEMORIAL DRIVE EXTENSION FRANKLIN MASSACHUSETTS

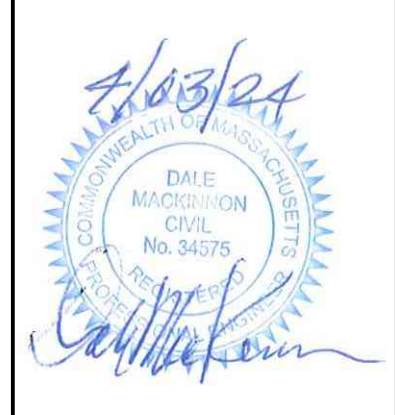
CONSTRUCTION DETAILS

April 2, 2024	
DATE	REVISION DESCRIPTION

Guerriere & Halnon, Inc.
ENGINEERING & LAND SURVEYING
55 WEST CENTRAL ST. PH. (508) 528-3221
FRANKLIN, MA 02038 FX. (508) 528-7921
www.gandhengineering.com

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INFILTRATION BASIN NOTES:



F-4598

APPROVED DATE:
FRANKLIN PLANNING BOARD

BEING A MAJORITY

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UTILITIES ARE PLOTTED AS A COMPILATION OF RECORD DOCUMENTS, MARKINGS AND OTHER OBSERVED EVIDENCE TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES AND SHOULD BE CONSIDERED APPROXIMATE. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. ADDITIONAL UTILITIES, NOT EVIDENCED BY RECORD DOCUMENTS OR OBSERVED PHYSICAL EVIDENCE, MAY EXIST. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING AND CALL DIGSAFE AT 1(888)DIG-SAFE(7233).

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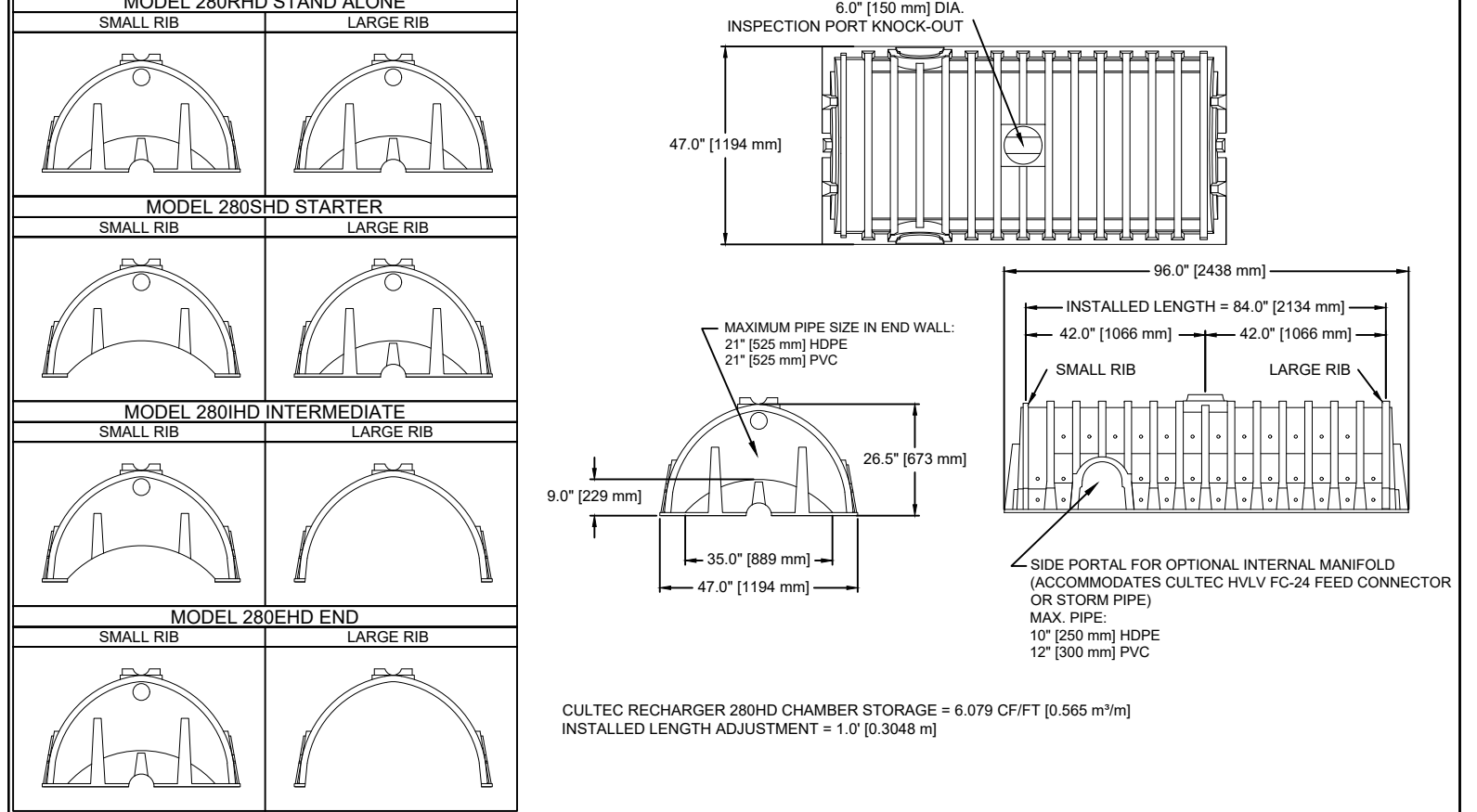
OWNER/APPLICANT

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MAP 259 PARCEL 007-002
BOOK 34282 PAGE 520

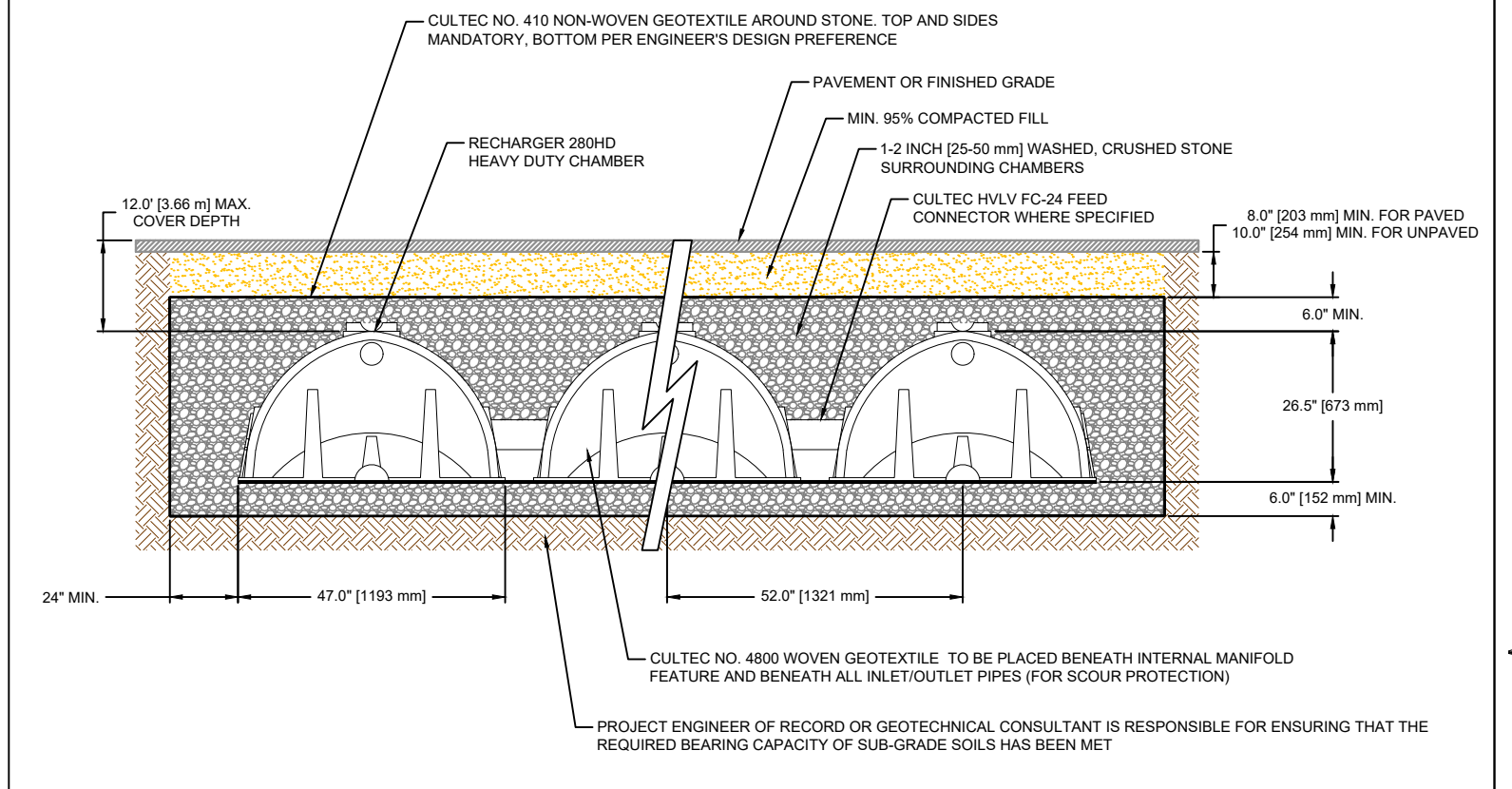
GENERAL NOTES

SEPARATOR ROW™ SPECIFICATIONS
GENERAL
1. CULTEC SEPARATOR ROW IS USED AS AN INDEPENDENT MEANS OF REMOVING TOTAL SUSPENDED SOLIDS FROM THE CHAMBER SYSTEM AS WELL AS PROVIDING LAZAR ACCESS FOR INSPECTION AND MAINTENANCE.
2. THE SEPARATOR ROW PERFORMANCE SHALL BE TESTED AND VERIFIED TO THE PROTOCOLS AND PROCEDURES AS DEFINED BY ENVIRONMENTAL TECHNOLOGY VERIFICATION ETVX CANADA TO ACHIEVE 95% REMOVAL.
INSTALLATION INSTRUCTIONS
A SEPARATOR ROW IS INSTALLED ON A 1.2 INCH (25.41 mm) WASHED, CRUSHED STONE BASE. TYPICALLY, THE CULTEC CHAMBER MODEL USED FOR THE SEPARATOR ROW IS THE SAME CHAMBER USED THROUGHOUT THE ENTIRE CHAMBER BED.
STORMWATER IS DISTRIBUTED TO THE SEPARATOR ROW BY A PRIMARY FEED SYSTEM THAT DIVERTS FLOW TO THE SEPARATOR ROW AND A SECONDARY BYPASS FEED SYSTEM THAT DIVERTS FLOW TO CLEAN WATER TO THE OTHER PARTS OF THE UNDERGROUND STORMWATER MANAGEMENT SYSTEM. THE DISTRIBUTION OF FLOW MUST BE SET UP AT A LOWER ELEVATION THAT PERMITS THE FIRST FLUSH TO THE SEPARATOR ROW VERSUS OTHER PARTS OF THE UNDERGROUND STORMWATER SYSTEM. THE INITIAL FLOW MAY BE MANAGED BY A WAFFLE OR WEIR. THE SIZING OF THE PRESS THAT PROVIDE STORMWATER TO THE SEPARATOR ROW IS TO BE DETERMINED BY THE DESIGN ENGINEER AND IS BASED UPON THE REQUIREMENT TO ACCOMMODATE THE DESIGN FLOW AND STORMWATER CONCENTRATION.
THE CHAMBERS UTILIZED IN THE SEPARATOR ROW ARE TO BE COMPLETELY WRAPPED WITH CULTEC NO. 4800 WOVEN GEOTEXTILE. THIS CREATES A LEAK-TIGHT ARRANGEMENT TO SEPARATE TOTAL SUSPENDED SOLIDS IN THE TRANSFER OF STORM WATER TO OTHER CHAMBERS THROUGHOUT THE UNDERGROUND STORMWATER MANAGEMENT SYSTEM.
ONCE WRAPPED, THE SEPARATOR ROW IS THEN PLACED ENTIRELY OVER A LAYER OF CULTEC NO. 4800 WOVEN GEOTEXTILE. THIS WOVEN GEOTEXTILE IS PROVIDED A SURFACE SURFACE. BY THE SLOTTED OR MANHOLES PROCEDURES AS WELL AS TO PREVENT ANY SCOURING OF THE STONE BASE DURING HIGH PRESSURE JETTING.
THE RECOMMENDED INSTALLATION OF SEPARATOR ROW CHAMBERS IN REGARD TO STORM SEPARATION AND STONE ABOVE THE NET, ALONG WITH OTHER MANHOLES, MATERIALS AND METHOD SPECIFICATIONS DETAILED FOR THE PROPER INSTALLATION IS THE SAME AS CULTEC REQUIREMENT DETAILED BY THE COMPANY'S INSTALLATION GUIDELINES WITH THE EXCEPTION OF THE PLACEMENT OF THE REQUIRED FILTERING FABRICS. PLEASE REFER TO CULTEC CURRENT INSTALLATION INSTRUCTIONS FOR STORMWATER CHAMBERS AS A GUIDE.
MAINTENANCE PROCEDURES
CULTEC RECOMMENDS INSPECTIONS OF THE SEPARATOR ROW TO BE PERFORMED EVERY SIX MONTHS FOR THE FIRST YEAR. THE FREQUENCY OF INSPECTION CAN BE ADJUSTED BASED UPON PREVIOUS OBSERVATION OF SEDIMENT DEPOSITION.
WHILE CLEANING IS POSSIBLE FROM A SINGLE MANHOLE IN SHORTER LINES A CLEAN-OUT OPTION FROM EITHER END OF A LINE IS PREFERABLE. PARTICULARLY FOR LONGER RUNS CLEANING INVOLVES FLUSHING SEDIMENT FROM THE BASE FABRIC OF THE SEPARATOR ROW.
ACCESS WILL BE PROVIDED VIA MANHOLES LOCATED AT THE ENDS OF THE ROW FOR CLEAN-OUT.
MAINTENANCE OF THE SEPARATOR ROW IS TO BE ACCOMPLISHED BY A JET-VAC PROCESS. THE JET-VAC IS TO BE RENTED ON THE ENTIRE LENGTH OF THE SEPARATOR ROW AS THE HIGH PRESSURE WATER NOZZLE IS RETRIEVED. THE CAPTURED SEDIMENTS ARE PUSHED BACK INTO THE MANHOLE FOR VACUATING.

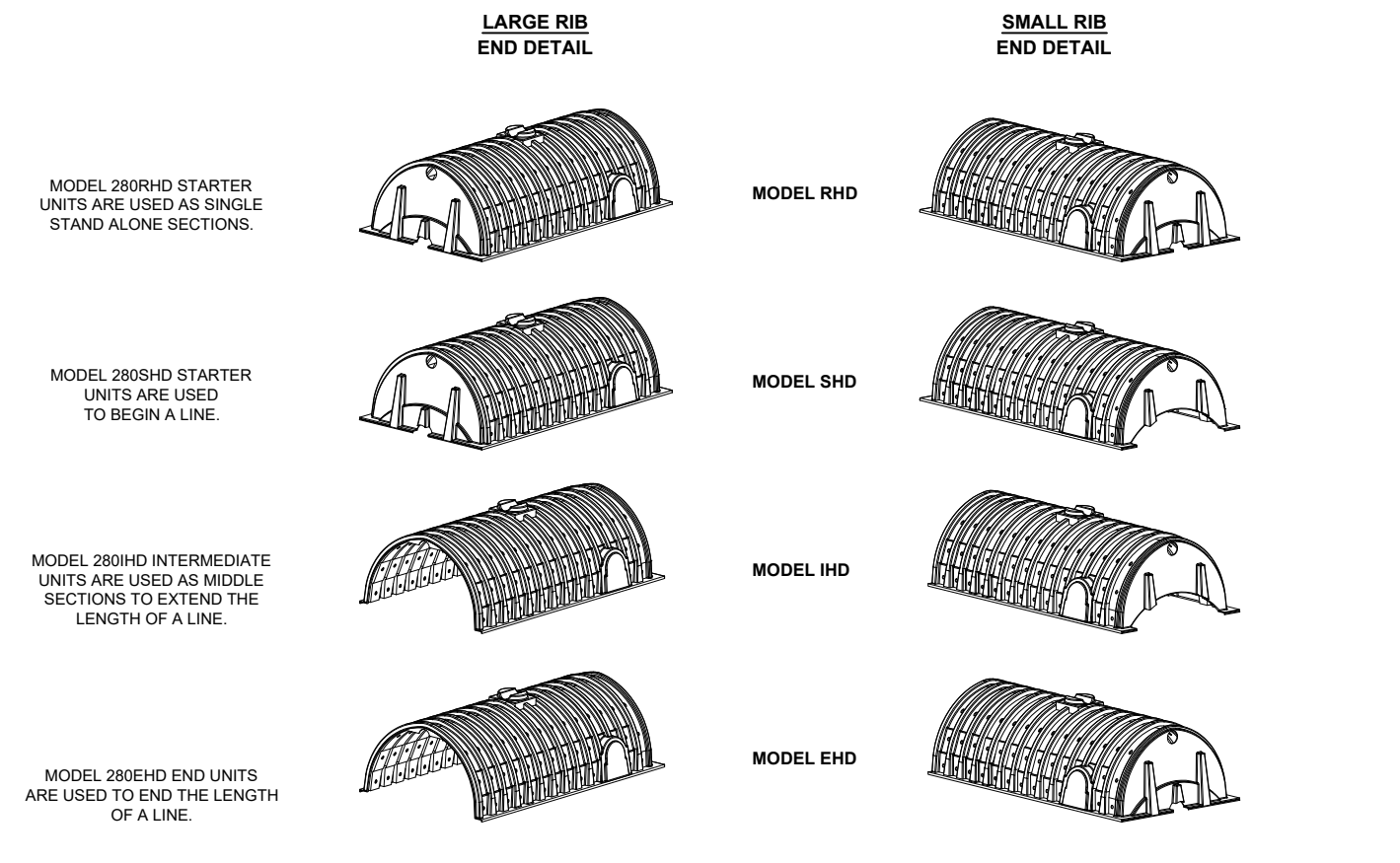
CULTEC RECHARGER 280HD SPECIFICATIONS
GENERAL
CULTEC RECHARGER 280HD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.
CHAMBER PARAMETERS
1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203) 775-4416 OR 1-800-428-5832.
2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
3. THE CHAMBER WILL BE OPEN-BOTTOMED.
4. THE CHAMBER WILL BE ARCH-TOPPED.
5. THE CHAMBER WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS. HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
6. THE NORMAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 280HD SHALL BE 29.5 INCHES (754 mm) TALL, 47 INCHES (1194 mm) WIDE AND 1 FEET (2.54 m) LONG. THE INSTALLED LENGTH OF A JOINED RECHARGER 280HD SHALL BE 7 FEET (2.13 m).
7. MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 21 INCHES (533 mm) HDPE.
8. THE CHAMBER WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS. HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
9. THE NORMAL STORAGE VOLUME OF THE CULTEC RECHARGER 280HD SHALL BE 42.555 FT³ (1200 m³) UNIT - WITHOUT STONE.
10. THE NORMAL STORAGE VOLUME OF THE CULTEC RECHARGER 280HD SHALL BE 42.555 FT³ (1200 m³) UNIT - WITHOUT STONE.
11. THE NORMAL STORAGE VOLUME OF THE CULTEC RECHARGER 280HD SHALL BE 42.555 FT³ (1200 m³) UNIT - WITHOUT STONE.
12. THE RECHARGER 280HD CHAMBER WILL SEVENTY-TWO DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNITS TO PROMOTE LATERAL CONVEYANCE OF WATER.
13. THE RECHARGER 280HD CHAMBER SHALL HAVE 15 CORRUGATIONS.
14. THE ENDWALLS OF THE CHAMBER, WHEN PRESENT, WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH THIS UNIT.
15. THE RECHARGER 280HD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTERNAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
16. THE RECHARGER 280HD STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTERNAL ENDWALL AND ONE PARTIALLY FORMED INTERNAL ENDWALL WITH A LOWER TRANSFER OPENING OF 9 INCHES (229 mm) HIGH X 36 INCHES (914 mm) WIDE.
17. THE RECHARGER 280HD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY OPEN ENDWALL AND ONE PARTIALLY FORMED INTERNAL ENDWALL WITH A LOWER TRANSFER OPENING OF 9 INCHES (229 mm) HIGH X 36 INCHES (914 mm) WIDE.
18. THE RECHARGER 280HD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTERNAL ENDWALL AND ONE FULLY OPEN END WALL HAVING NO SEPARATE END PLATES OR END WALLS.
19. THE HVLY FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL FIT INTO THE SIDE PORTALS OF THE RECHARGER 280HD AND ACT AS CROSS FEED CONNECTIONS.
20. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX RIDGES BETWEEN THE RIBS.
21. THE CHAMBER WILL HAVE A RASSED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN INSPECTION PORT OR CLEAN-OUT.
22. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
23. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.
24. THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S INSTALLATION INSTRUCTIONS.
25. THE CHAMBER SHALL BE DESIGNED AND MANUFACTURED TO MEET THE MATERIAL AND STRUCTURAL REQUIREMENTS OF MANDP 99-80-2019, INCLUDING RESISTANCE TO ASH/TOT-10 AND A-20 HIGHWAY LOADS, WHEN INSTALLED IN ACCORDANCE WITH CULTEC'S INSTALLATION INSTRUCTIONS.
26. MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12 FEET (3.66 m).



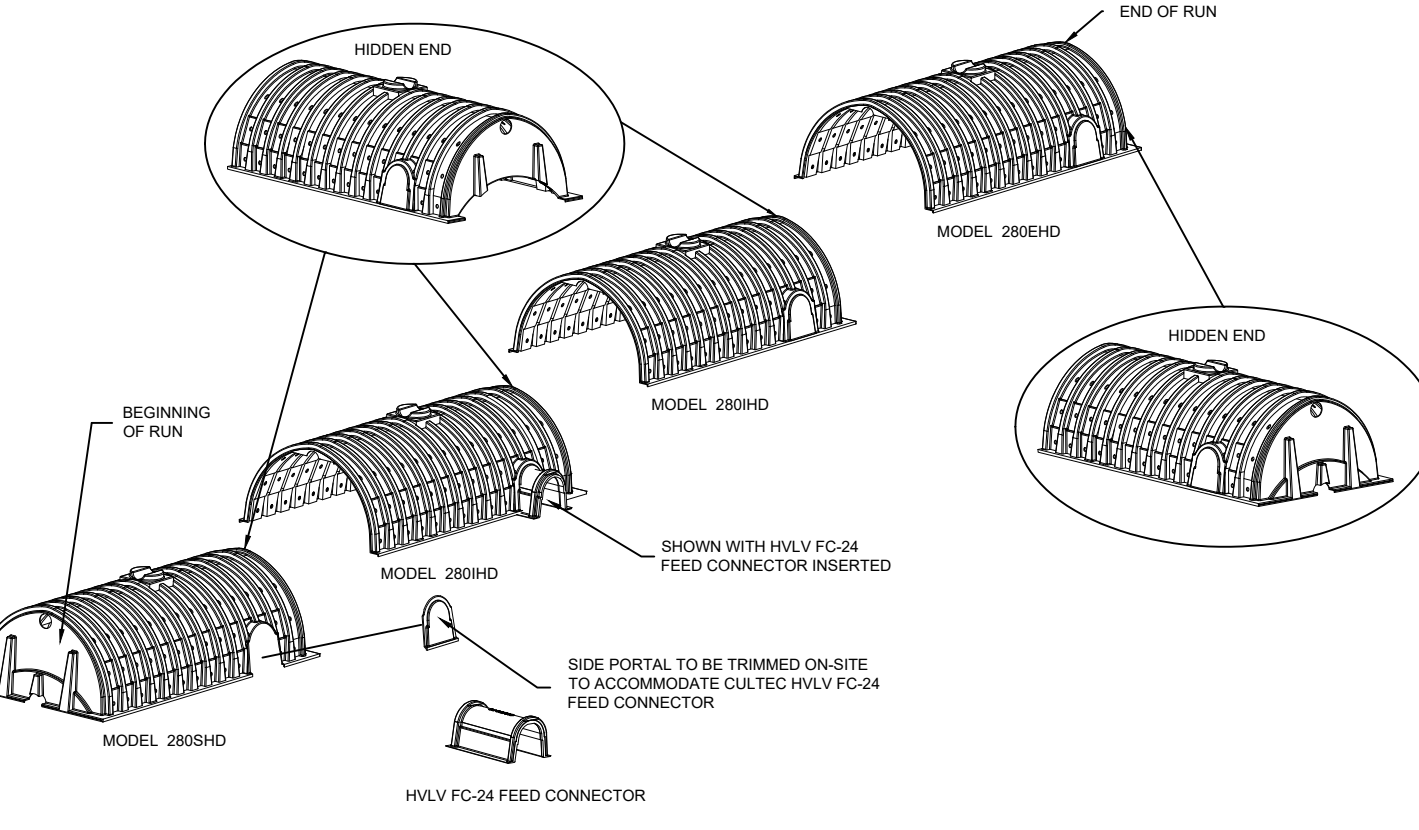
CULTEC RECHARGER 280HD HEAVY DUTY THREE VIEW



CULTEC RECHARGER 280HD HEAVY DUTY CROSS SECTION

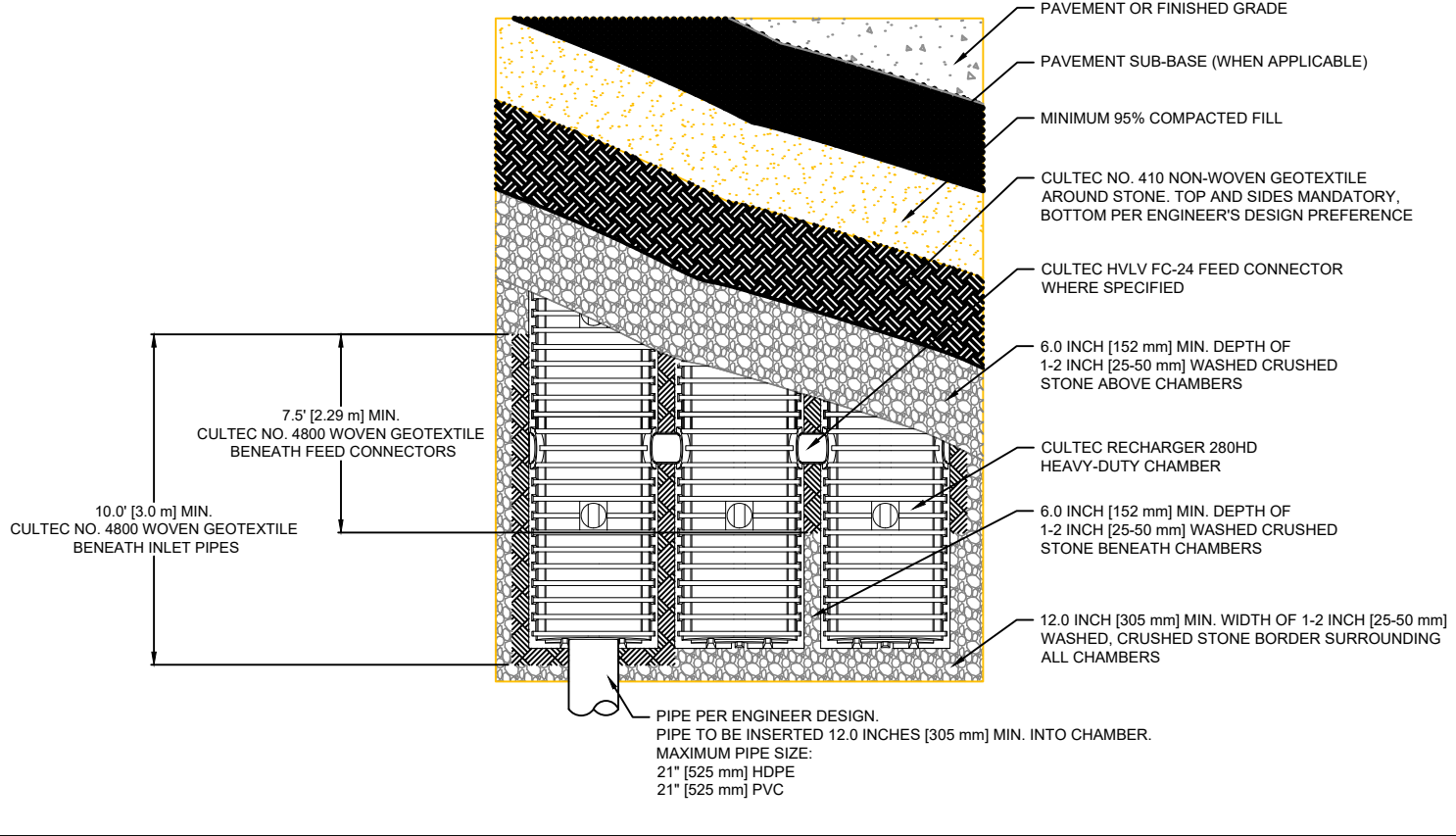


CULTEC RECHARGER 280HD HEAVY DUTY END DETAIL INFORMATION

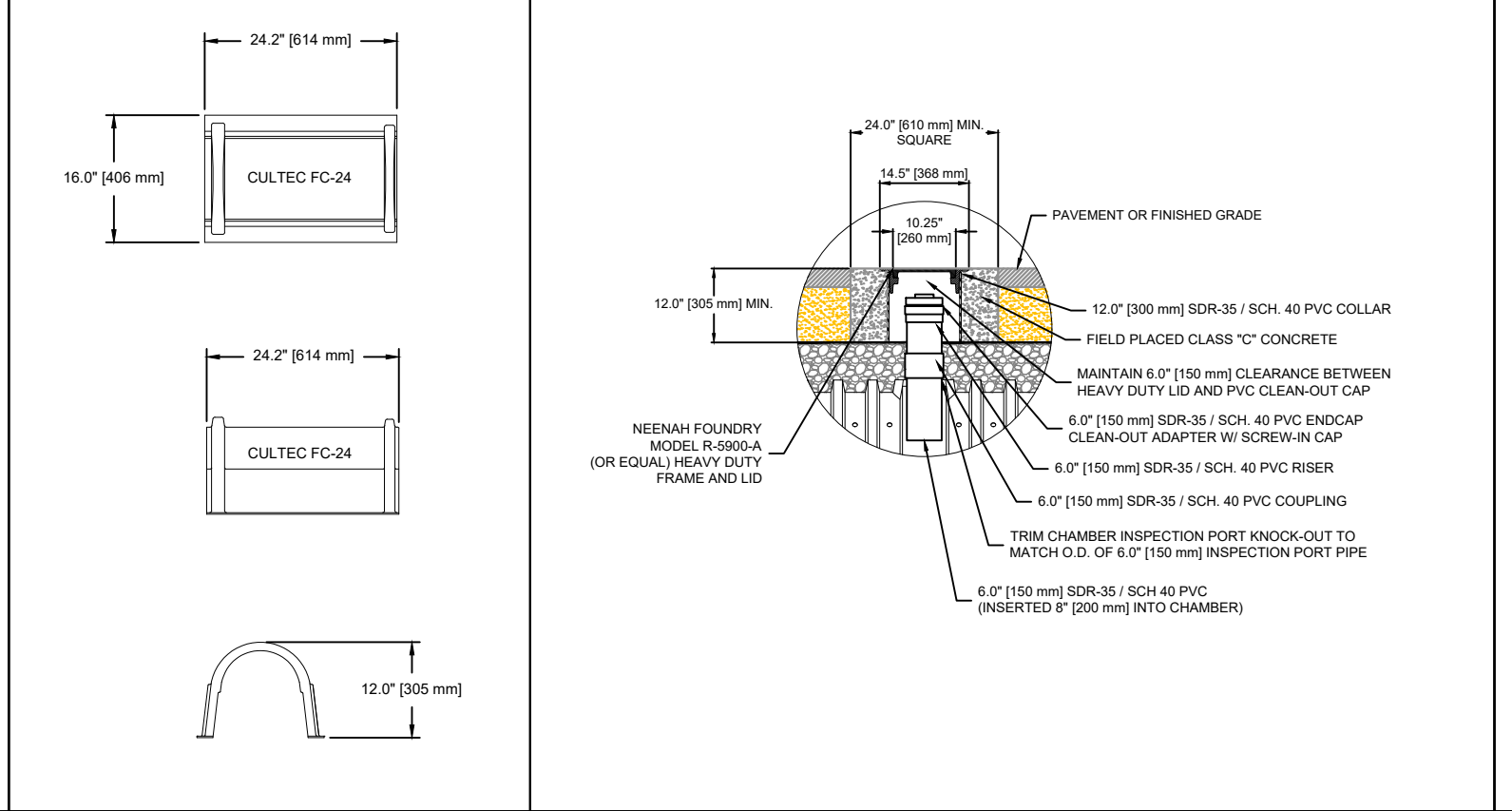


CULTEC RECHARGER 280HD HEAVY DUTY TYPICAL INTERLOCK

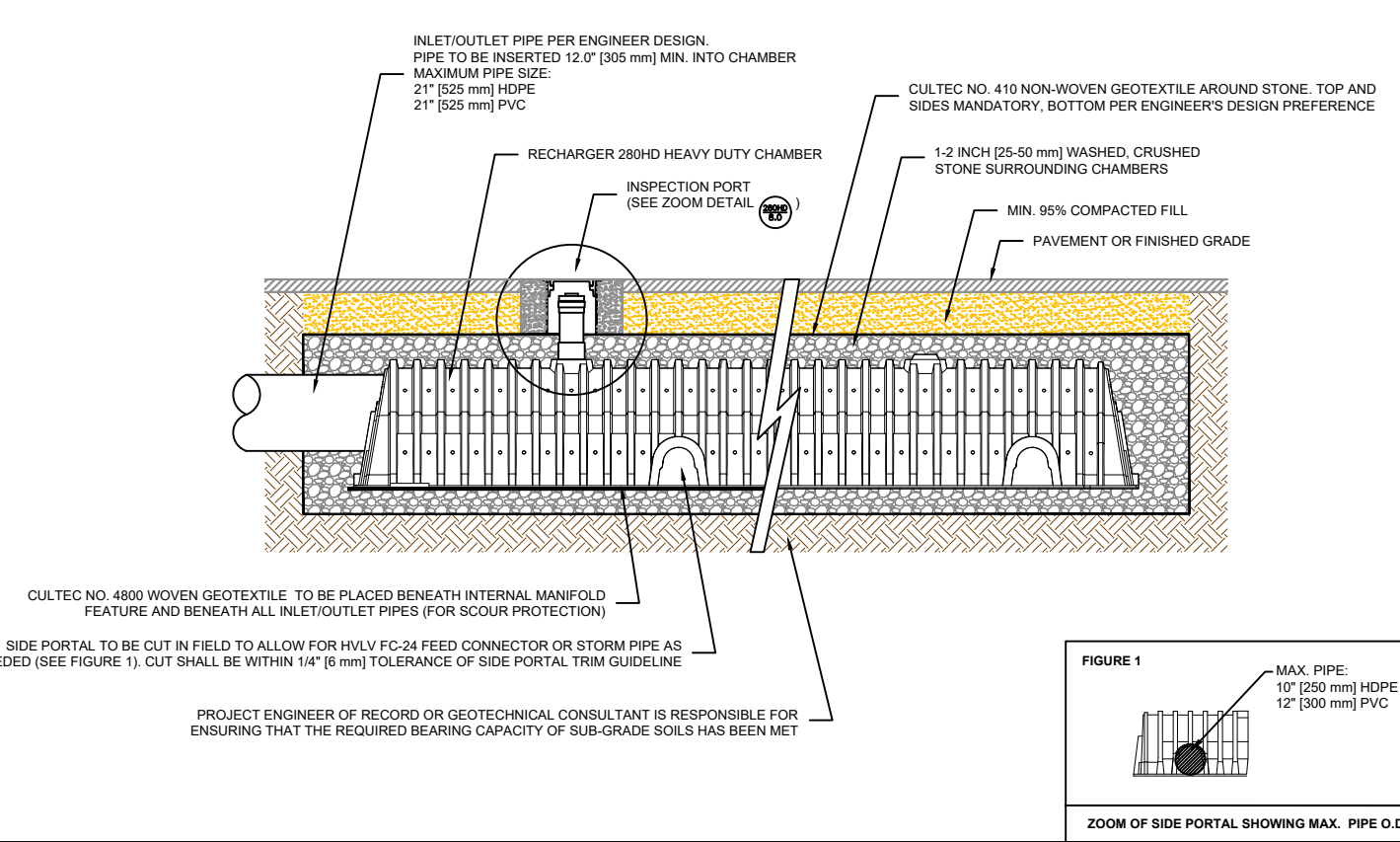
GENERAL NOTES



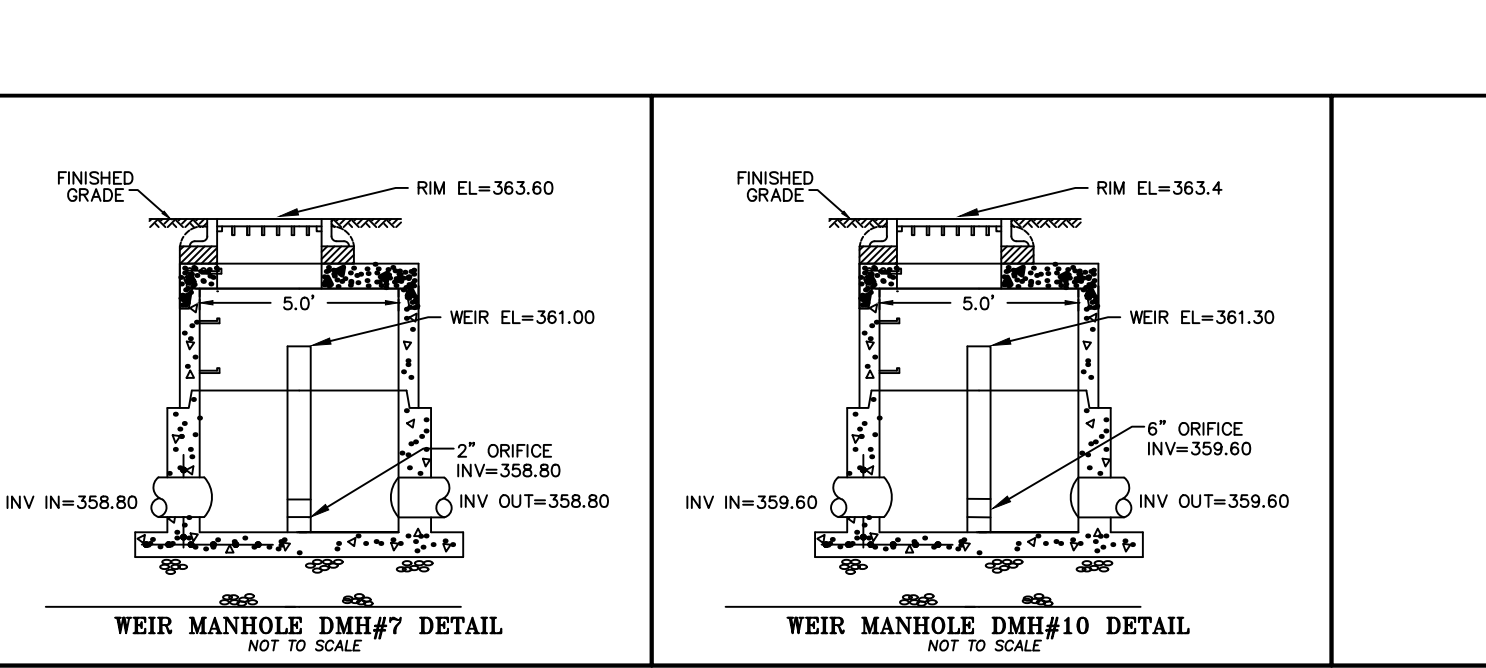
CULTEC RECHARGER 280HD HEAVY DUTY CROSS SECTION



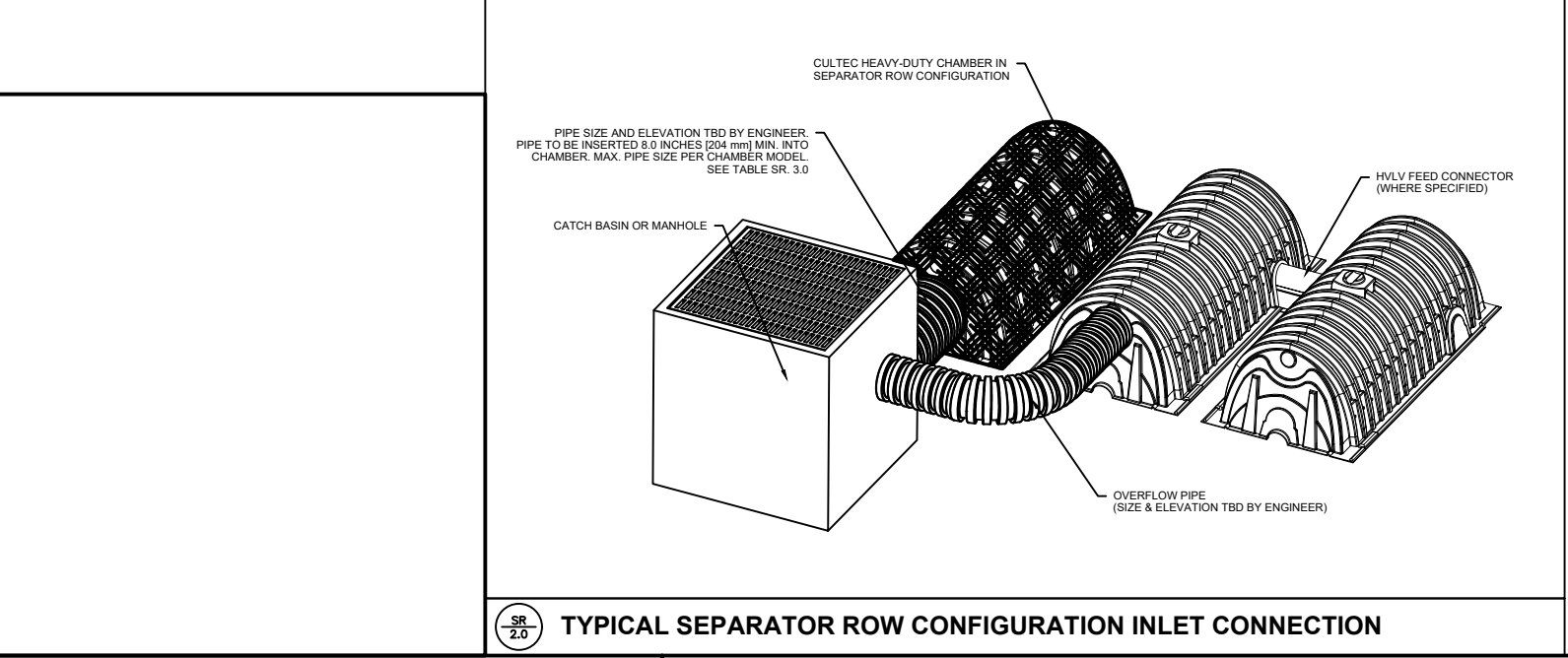
CULTEC RECHARGER 280HD HEAVY DUTY TYPICAL INTERLOCK



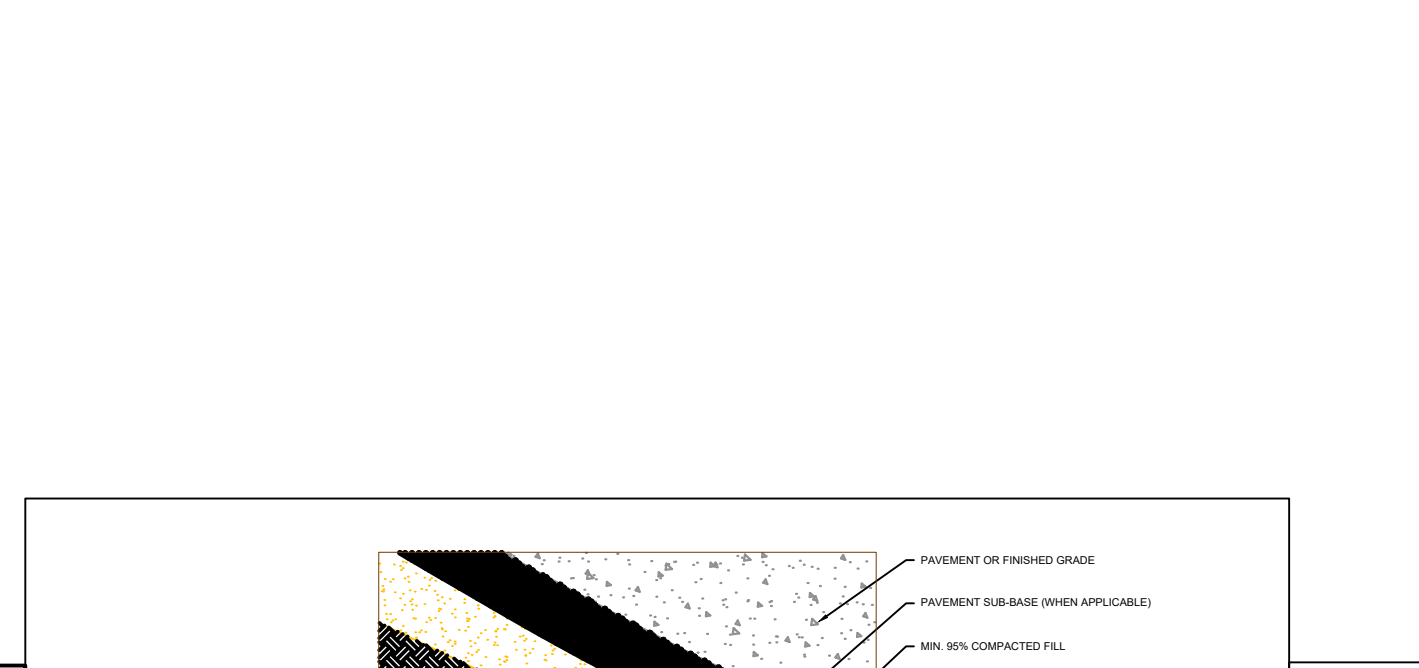
CULTEC RECHARGER 280HD HEAVY DUTY PLAN VIEW



CULTEC HVLY FC-24 FEED CONNECTOR THREE VIEW



INSPECTION PORT - ZOOM DETAIL



CULTEC INTERNAL MANIFOLD - INSPECTION PORT DETAIL

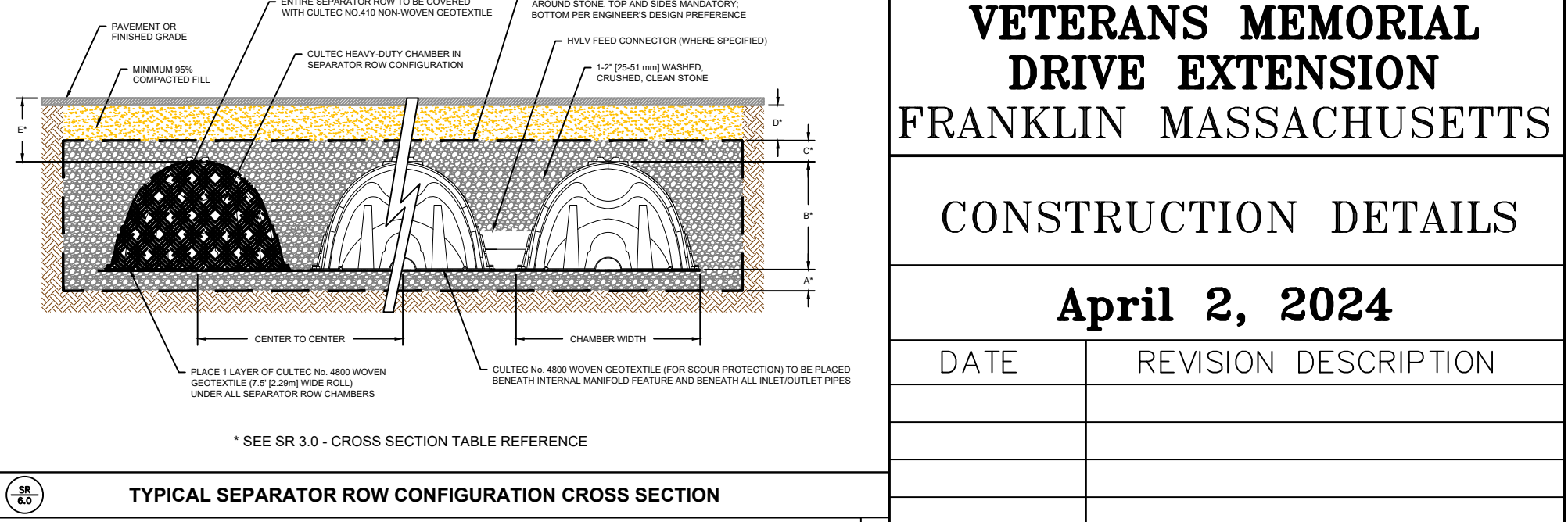
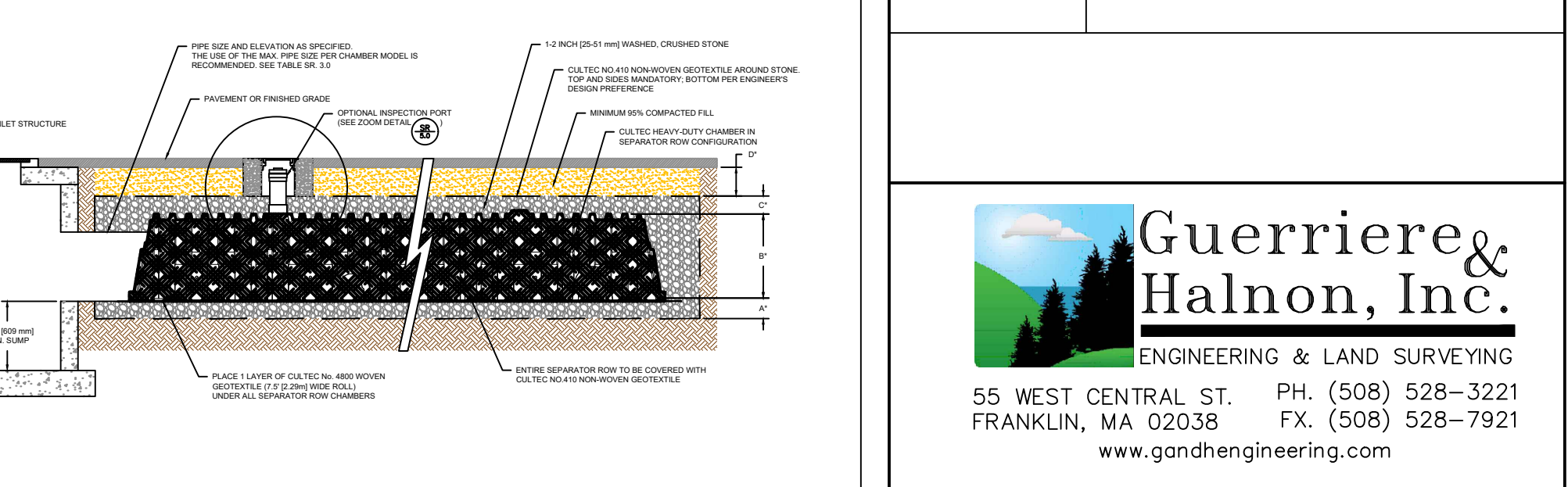
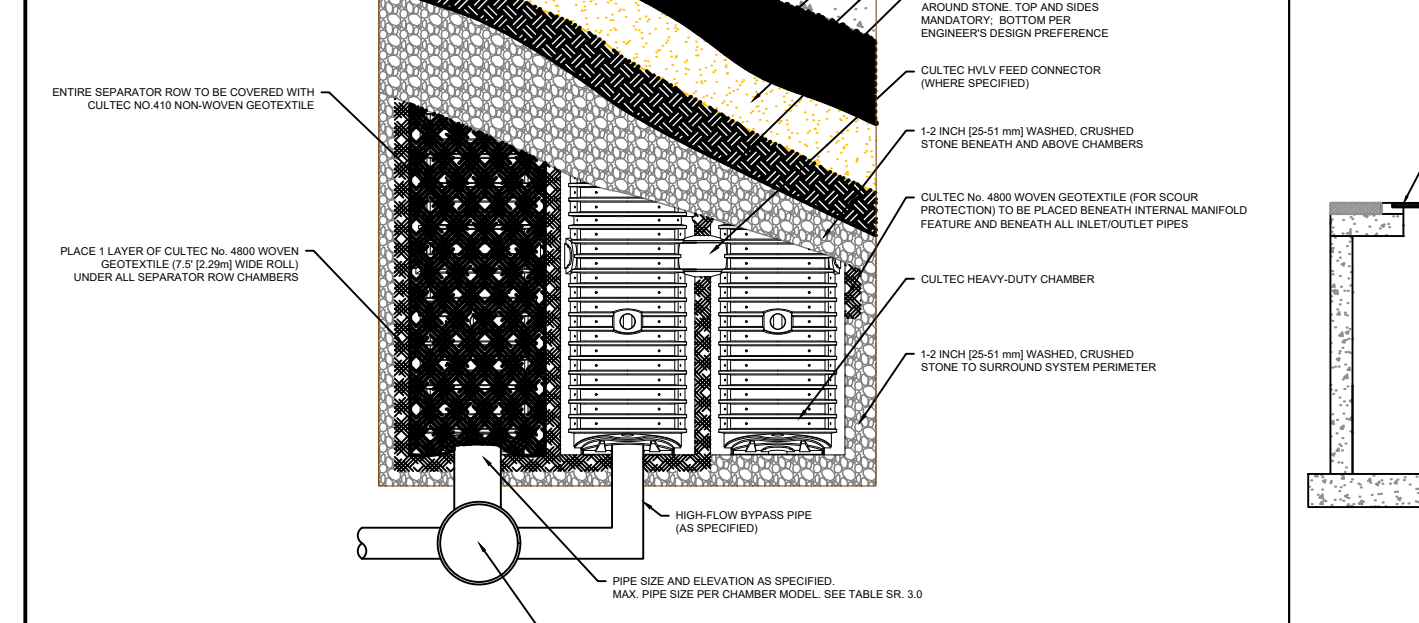
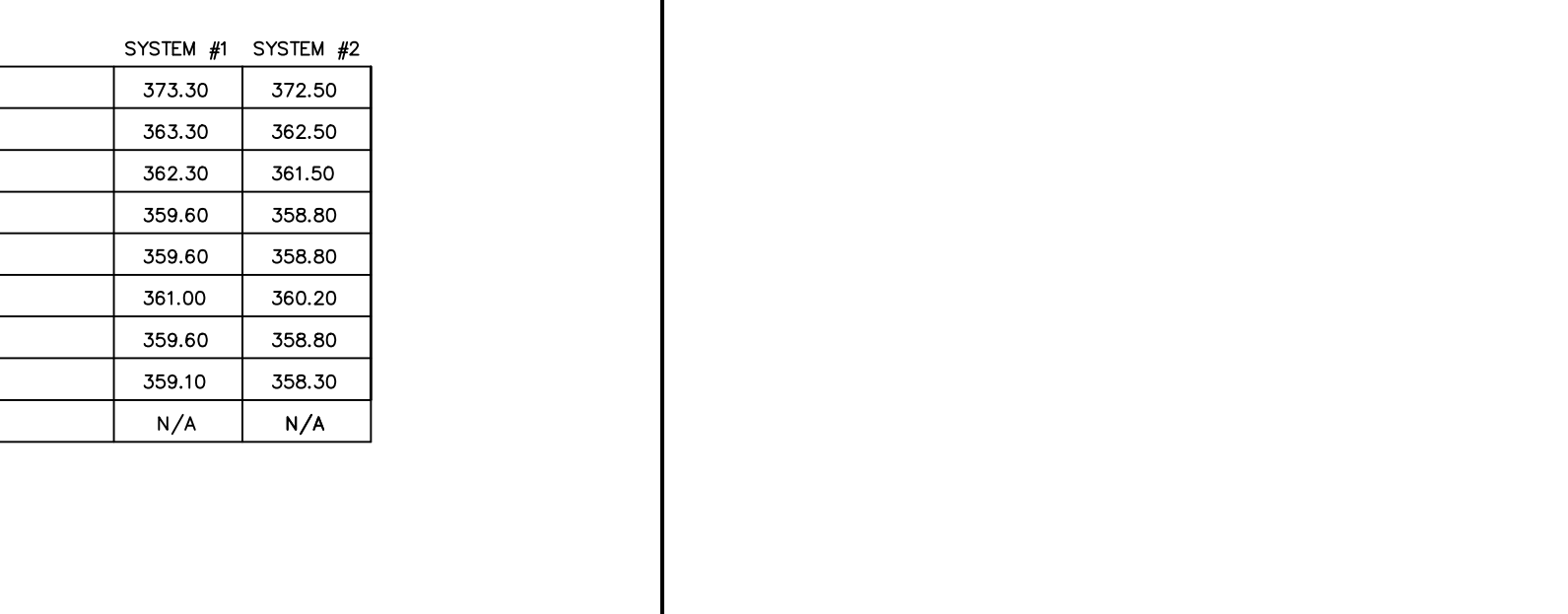


Table with columns for SYSTEM #1 and SYSTEM #2, and rows for various elevation points (AA-HH) such as Maximum Finished Grade Elevation, Minimum Cover Elevation, Top of Stone, Inlet, Outlet, etc.



CULTEC 280HD CHAMBER SYSTEM ELEVATIONS

TYPICAL SEPARATOR ROW CONFIGURATION INLET CONNECTION

TYPICAL SEPARATOR ROW CONFIGURATION PLAN VIEW

TYPICAL SEPARATOR ROW CONFIGURATION CROSS SECTION WITH INSPECTION PORT DETAIL

CONSTRUCTION DETAILS

April 2, 2024

Table with columns for DATE and REVISION DESCRIPTION.

Guerriere & Halnon, Inc. ENGINEERING & LAND SURVEYING. 55 WEST CENTRAL ST. FRANKLIN, MA 02038. PH. (508) 528-3221. FX. (508) 528-7921. www.gandhengineering.com