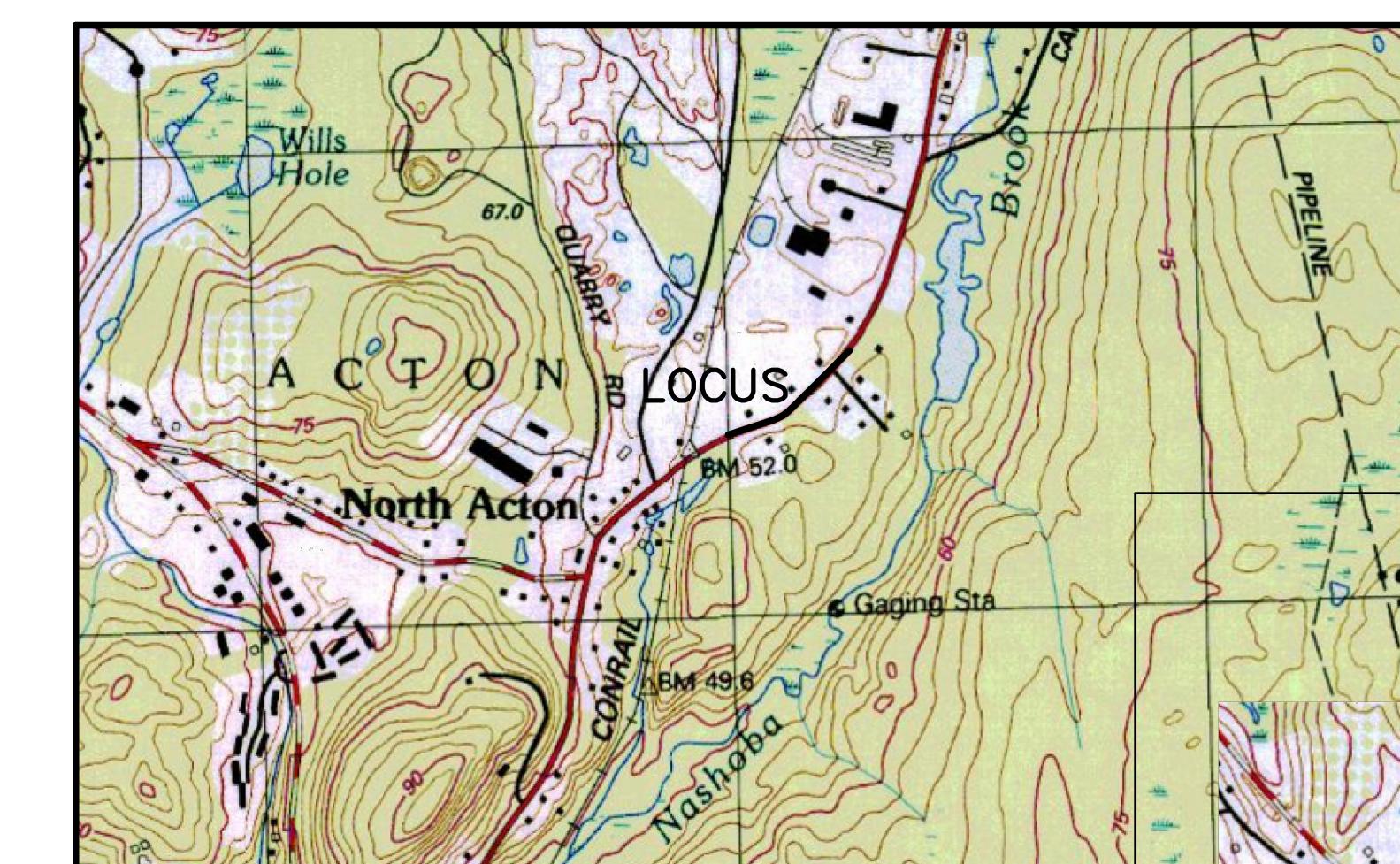
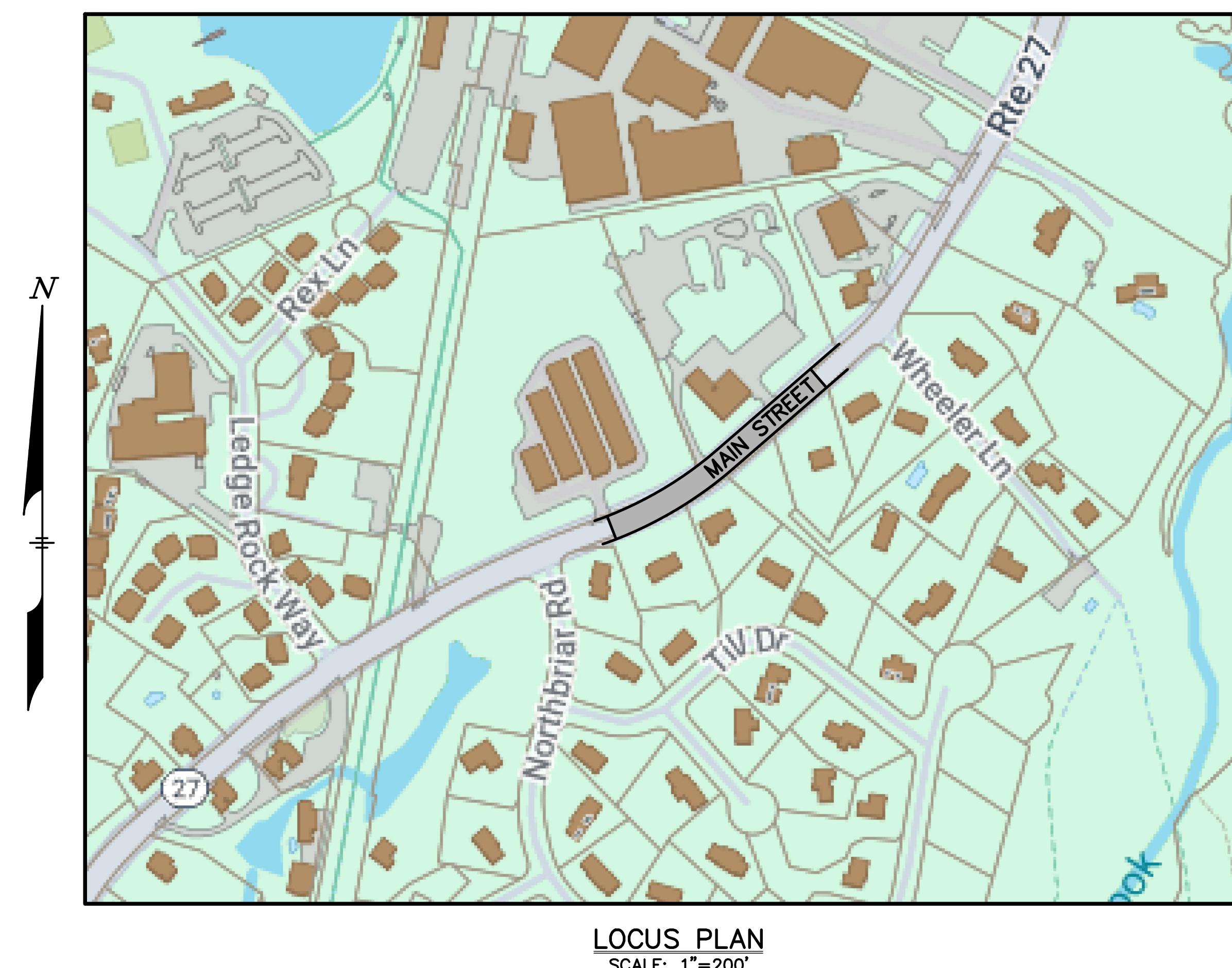


MAIN STREET SIDEWALK & CULVERT

FOR
THE TOWN OF ACTON
ALONG THE FRONTAGES OF 820 & 821 MAIN STREET
ACTON, MASSACHUSETTS
APRIL 4, 2025

REVISED: MAY 13, 2025
REVISED: MAY 29, 2025

<u>PLAN INDEX</u>	
SHEET 1	TITLE SHEET
SHEET 2	SIDEWALK PLAN
SHEET 3	CONSTRUCTION DETAILS



SURVEYOR/ENGINEER
STAMSKI AND MCNARY, INC.
1000 MAIN STREET
ACTON, MA 01720



RECORD OWNER
THE TOWN OF ACTON
472 MAIN STREET
ACTON, MA 01720

DATUM
N.A.V.D. OF 1988

LEGEND:

DATUM

NAVD OF 1988

<i>N/F</i>	NOW OR FORMERLY
<i>OHW</i>	OVERHEAD WIRES
 	TREE
 	TREE LINE
<i>UP</i>	UTILITY POLE
<i>GG</i> •	GAS GATE
 	GAS SERVICE (BURIED)
<i>WG</i> •	WATER GATE
 	WATER SERVICE (BURIED)
 	DRAIN MANHOLE
 	EXISTING CONTOUR
 	EXISTING CONTOUR
 	LIGHPOLE
 	WETLAND FLAG
<i>99X9</i>	SPOT ELEVATION
 	STONE WALL
 	EDGE OF PAVEMENT
 	SUB-SURFACE DRAIN LINE

UTILITY NOTE:

ALL UNDERGROUND UTILITIES SHOWN HERE WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS THE APPROPRIATE PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG SAFE TELEPHONE No. 1-888-344-7233.

SIDEWALK DESIGN PLAN IN ACTON, MASSACHUSETTS (MIDDLESEX COUNTY)

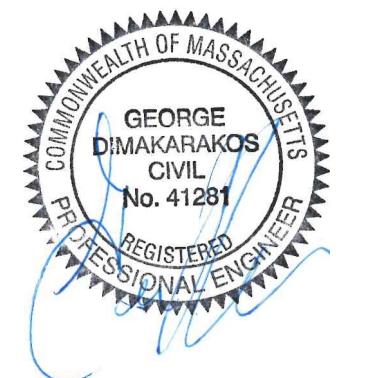
FOR: TOWN OF ACTON
SCALE: 1"=20' APRIL 4, 2025

REVISED: MAY 13, 2025 (CC COMMENTS)
REVISED: MAY 29, 2025 (DEP COMMENTS)

REVISED: MAY 29, 2023 (DEI COMMENTS)
STAMSKI AND MCNARY, INC.
1000 MAIN STREET ACTON, MASSACHUSETTS
ENGINEERING - PLANNING - SURVEYING

20% 40% 60% 80% ET

(7609.WPP.B.dwq) MAIN STREET SM-7609



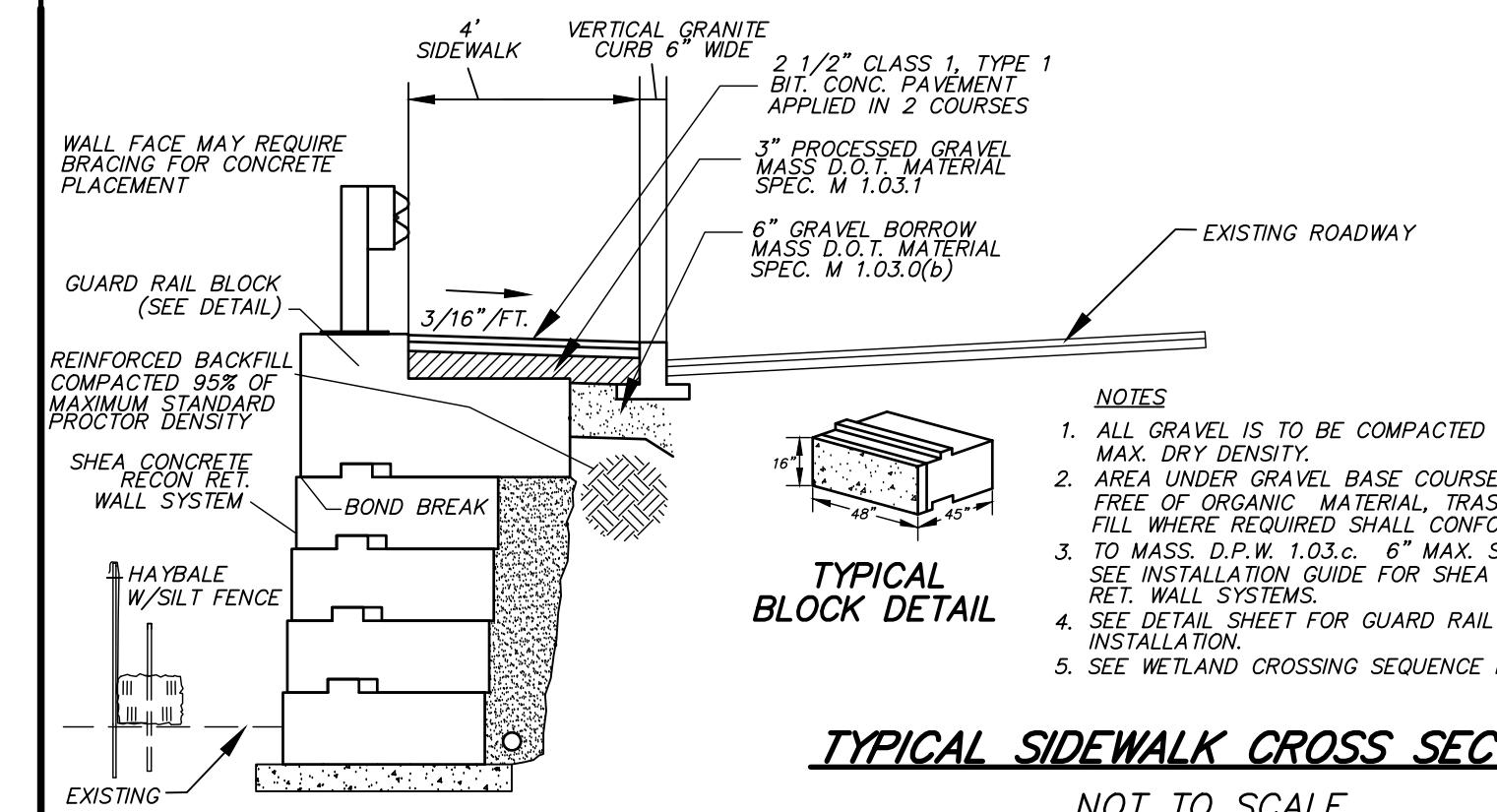
(7609.WPP.B.dwg) MAIN STREET SM-7609
(SHEET 2 OF 3)

EROSION AND SEDIMENTATION CONTROL NOTES

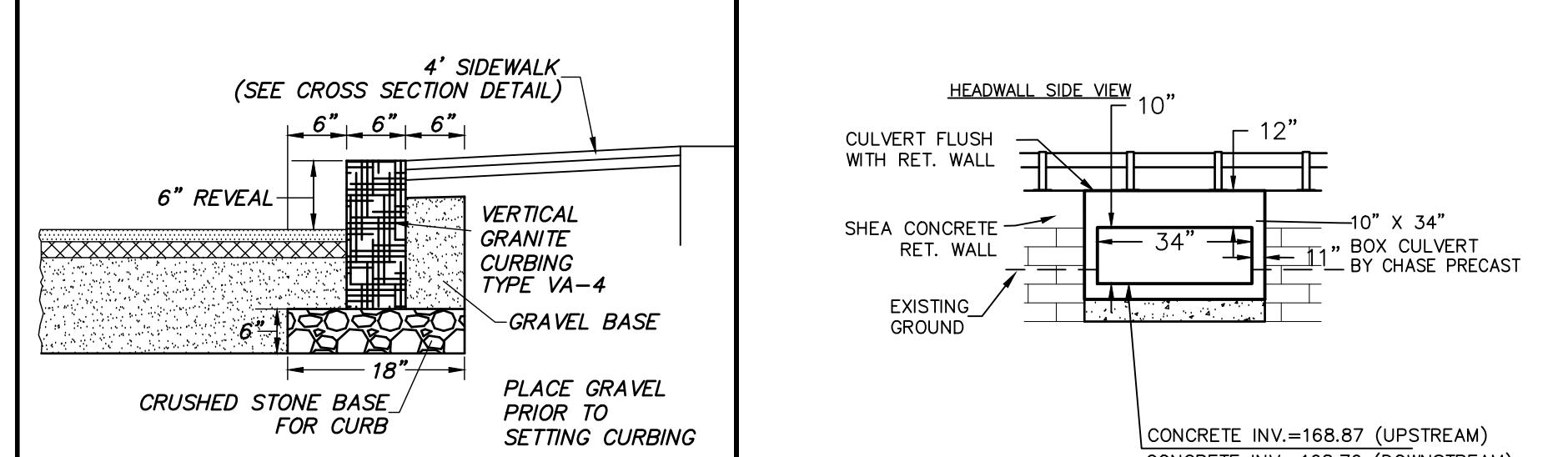
1. THE LIMIT OF WORK LINE SHALL BE CLEARLY MARKED IN THE FIELD BY FIELD SURVEY PRIOR TO CONSTRUCTION WITHIN DESIGNATED AREA. LIMIT OF WORK LINE SHALL NOT EXCEED THE LINE SHOWN.
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED FOR EACH PHASE PRIOR TO ANY CONSTRUCTION ON THE SITE. CONTRACTOR IS ENCOURAGED TO USE "FILTERMITT" IN LIEU OF HAYBALE/SILTATION BARRIER IF ACCEPTABLE TO THE TOWN OF ACTON CONSERVATION COMMISSION.
3. DURING CONSTRUCTION, ADEQUATE PROTECTIVE MEASURES SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM EXCAVATION, CUT FACE, EXCAVATION, OR GRAVING SURFACE MATERIALS.
4. LAND SHALL NOT BE DISTURBED IN INCREMENTS OF WORKABLE SIZE WHICH CAN BE COMPLETED DURING A SINGLE CONSTRUCTION SEASON. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH THE SEQUENCE OF GRADING AND CONSTRUCTION OPERATIONS. CONTROL MEASURES SUCH AS HYDROSEEDING, BERMS, INTERCEPTOR DITCHES, TERRACES, AND SEDIMENT TRAPS SHALL BE PUT INTO EFFECT PRIOR TO THE COMMENCEMENT OF EACH INCREMENT OF THE DEVELOPMENT/CONSTRUCTION.
5. THE CONTRACTOR SHALL INSPECT AND REPAIR ALL EROSION CONTROL DEVICES, WHEN INTENSE RAINFALL IS PREDICTED. THE CONTRACTOR'S REPRESENTATIVE SHALL INSPECT THE CONSTRUCTION SITE AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 0.5 INCHES OR MORE. AREAS WITH SITES THAT HAVE BEEN FINALLY STABILIZED MUST BE INSPECTED AT LEAST ONCE A MONTH.
6. STOCK PILES SHALL BE PLACED ON THE EDGE OF PAVEMENT. ALL STOCK PILES SHALL BE CONTAINED WITH SILT FENCES OR HAYBALES TO PREVENT EROSION FROM ENTERING THE STREET DRAINAGE, IF NOT BEING USED WITHIN 21 DAYS. SOIL STOCK PILES SHALL BE COVERED WITH TEMPORARY VEGETATION OR FASTENED WITH TARPAULIN SHEETS. STOCKPILES SHALL AVOID ALL SOIL ABSORPTION AREAS.
7. THE CONTRACTOR IS REQUIRED TO CLEAN UP ANY SAND, DIRT, OR DEBRIS WHICH ERODES FROM THE SITE ONTO ANY PUBLIC STREET OR PRIVATE PROPERTY, AND TO REMOVE SILT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING CATCH BASIN SUMPS, PIPE LINES, MANHOLES AND DITCHES.
8. ALL CUT AND FILL SLOPES SHALL BE IMMEDIATELY COVERED WITH 6" LOAM AND SEEDED DURING THE GROWING SEASON (APRIL 1 TO NOVEMBER 1) OR COVERED WITH A HAY MULCH DURING THE NON-GROWING SEASON (NOVEMBER 1 TO APRIL 1). IN AREAS SUBJECT TO THE WETLANDS PROTECTION ACT, THE HAY MUST BE RE-ESTABLISHED.
9. DISTURBED AREAS WHERE CONSTRUCTION HAS PERMANENTLY OR TEMPORARILY CEASED MUST BE STABILIZED WITHIN 14 DAYS OF THE LAST DISTURBANCE. AREAS WHICH WILL BE RESTABILIZED WITHIN 21 DAYS DO NOT HAVE TO BE STABILIZED.
10. ADDITIONAL EROSION CONTROL MEASURES SHALL BE STOCK-PILED ON-SITE, INCLUDING BUT NOT LIMITED TO CRUSHED STONE.
11. THE EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL ALL TRIBUTARY SURFACES ARE STABILIZED.

GENERAL NOTES

1. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGE INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN BEFORE PLANNING FUTURE CONNECTIONS. THE APPROPRIATE PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG-SAFE TELE. NO. (888) 344-7233.
2. UNLESS OTHERWISE SPECIFIED ON THESE PLANS, ALL CONSTRUCTION METHODS AND MATERIALS SHALL COMPLY WITH SPECIFICATIONS OUTLINED IN THE ACTON ZONING BYLAW AND THE ACTON SUBDIVISION RULES AND REGULATIONS.
3. ALL LIMITS OF WORK SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION OR SITE CLEARING.
4. ALL STUMPS AND OTHER CONSTRUCTION DEBRIS SHALL BE PROPERLY REMOVED ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.
5. TRANSPORTATION OF FILL, EARTH, OR CONSTRUCTION DEBRIS TO OR FROM THE SITE SHALL BE RESTRICTED TO DAYTIME HOURS (9 AM TO 4 PM) MONDAY THROUGH FRIDAY.
6. ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.
7. THE CONTRACTOR IS RESPONSIBLE FOR CLEAN UP OF ANY SAND, DIRT, OR DEBRIS WHICH ERODES FROM THE SITE ONTO MAIN STREET AND TO REMOVE SAND, DIRT, OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING, BUT NOT LIMITED TO, CATCH BASIN SUMPS, PIPE LINES, MANHOLES, AND DITCHES IMMEDIATELY UPON DISCOVERY.

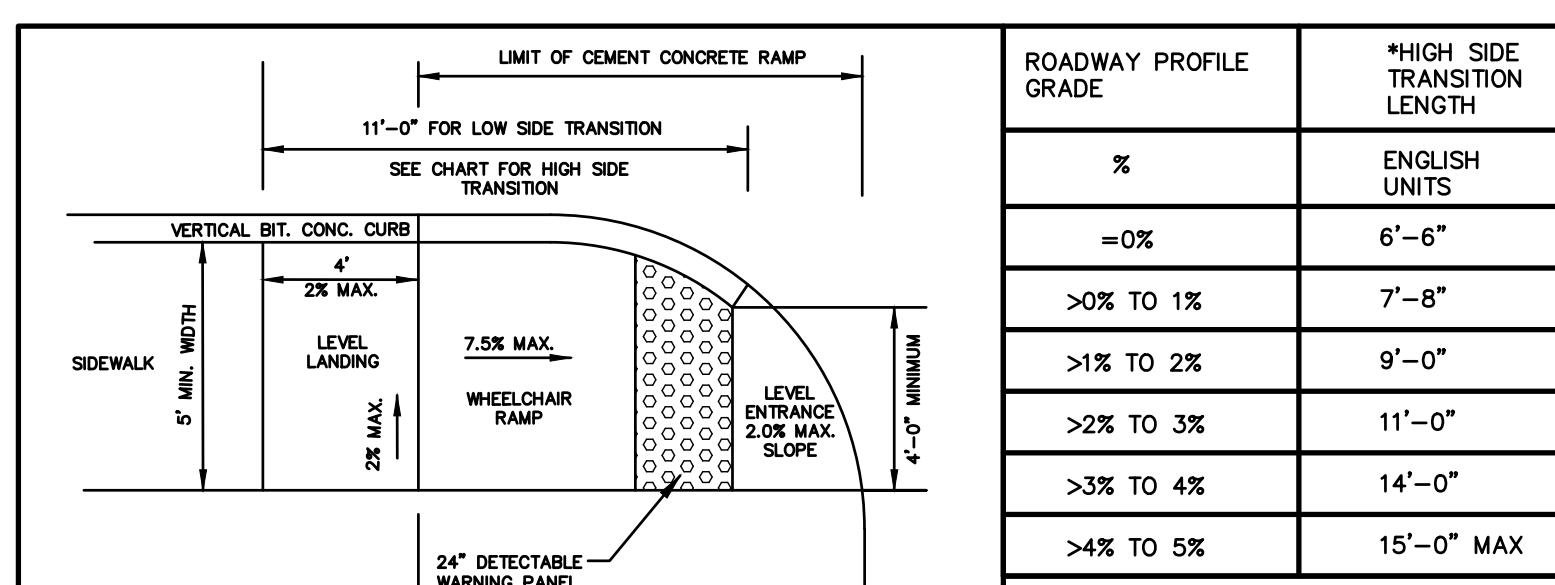


TYPICAL SIDEWALK CROSS SECTION
NOT TO SCALE

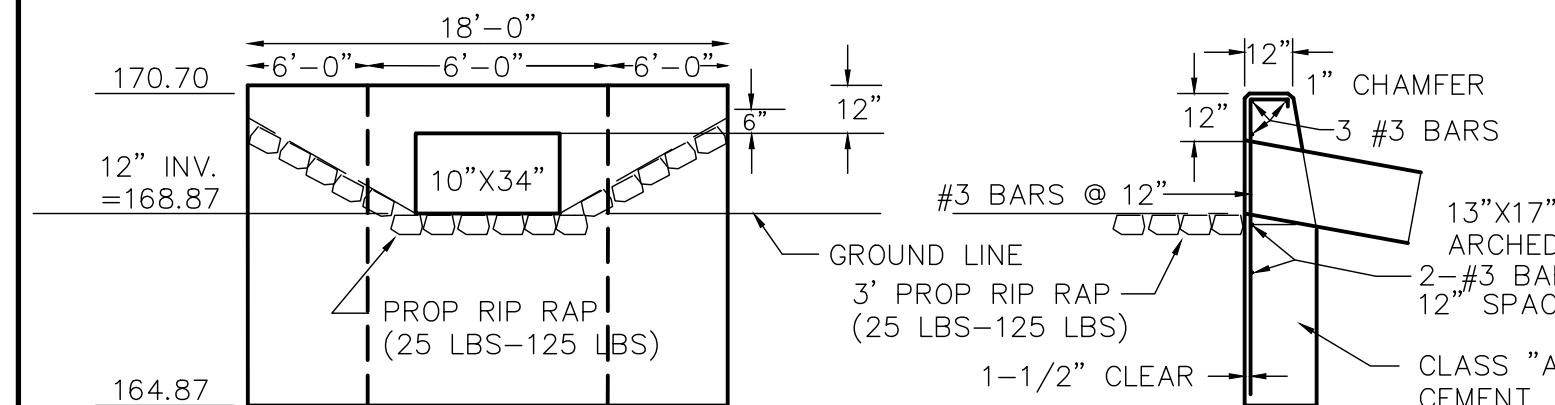


BOX CULVERT DETAIL
N.T.S.

CONCRETE INV.=168.87 (UPSTREAM)
CONCRETE INV.=168.76 (DOWNSTREAM)



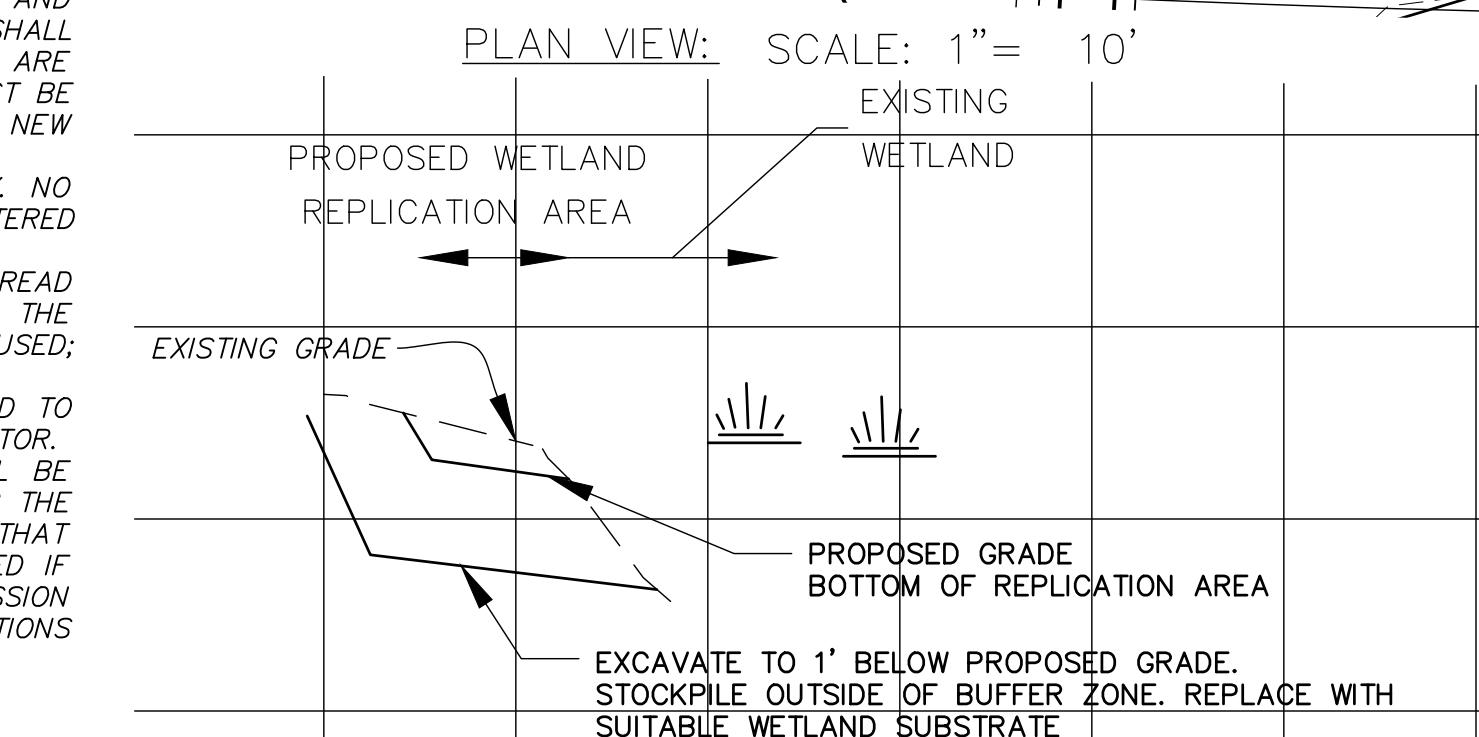
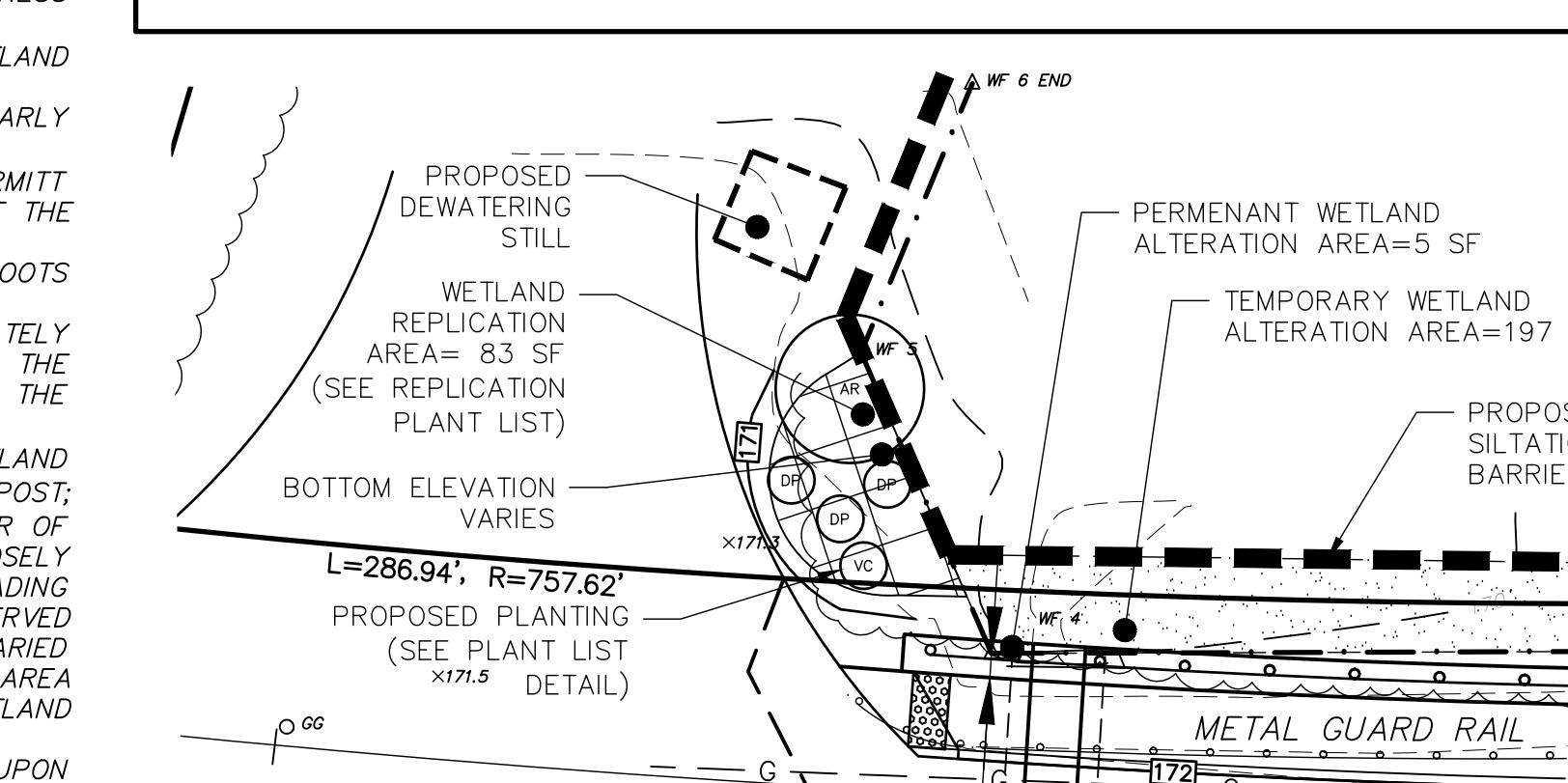
CURB CUT DETAIL
NOT TO SCALE
(E 107.6.0P)



FRONT ELEVATION

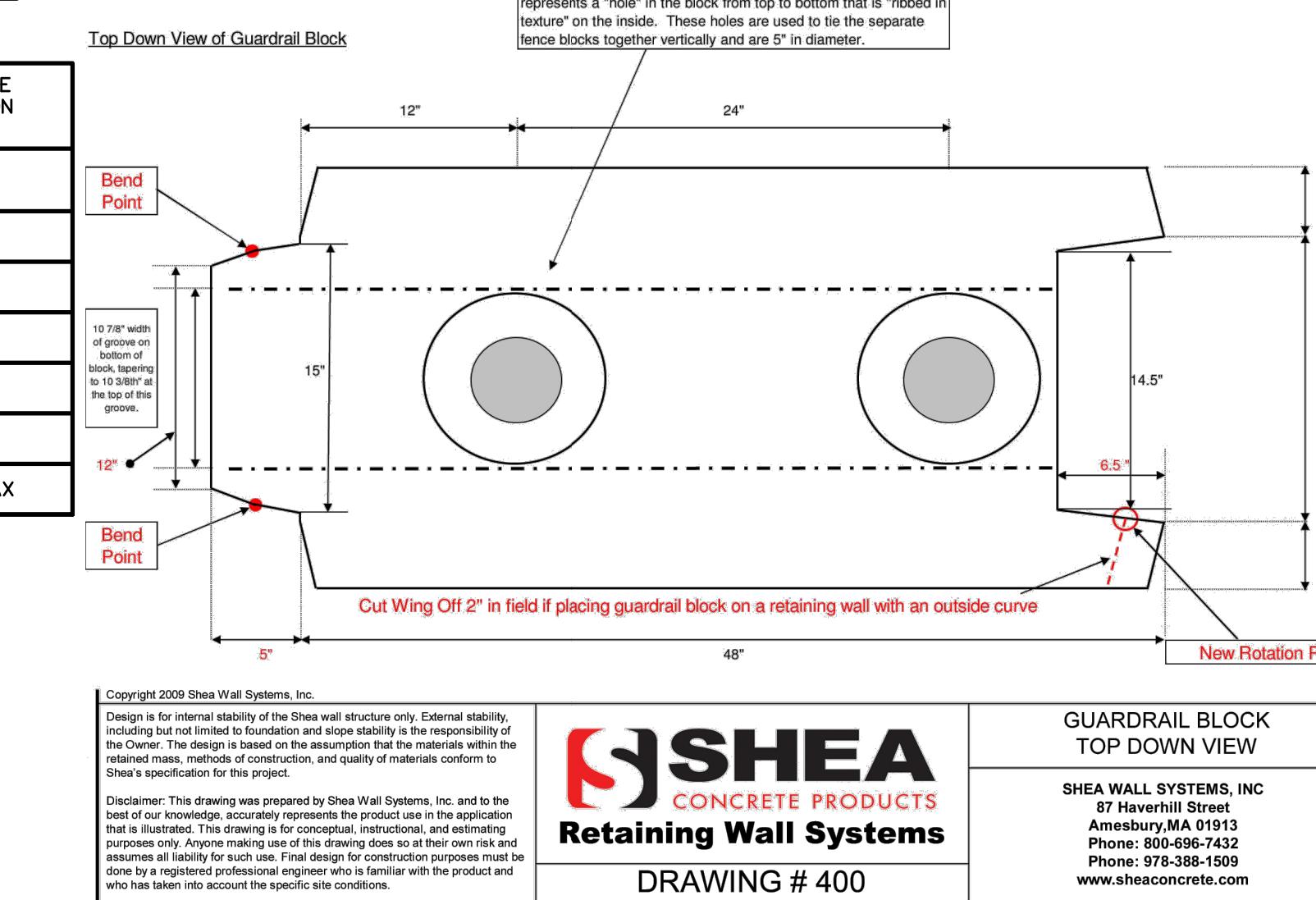
HEADWALL DETAIL
N.T.S.

D:\>DETAIL>HEADWALL.DWG



WETLAND REPPLICATION CROSS SECTION A-A

SCALE: 1" = 10' H., 1" = 4' V.



VERTICAL GRANITE CURBING DETAIL
NOT TO SCALE

Top Down View of Guardrail Block

The larger circle represents a "knob" that protrudes 2 1/2" above the top of the block. It is 10 7/8" in diameter. The smaller circle represents a "hole" in the block from top to bottom that is used in texture on the inside. These holes are used to tie the separate fence blocks together vertically and are 5" in diameter.

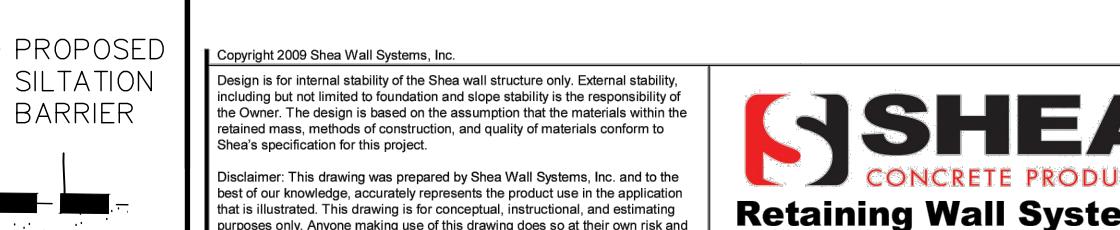
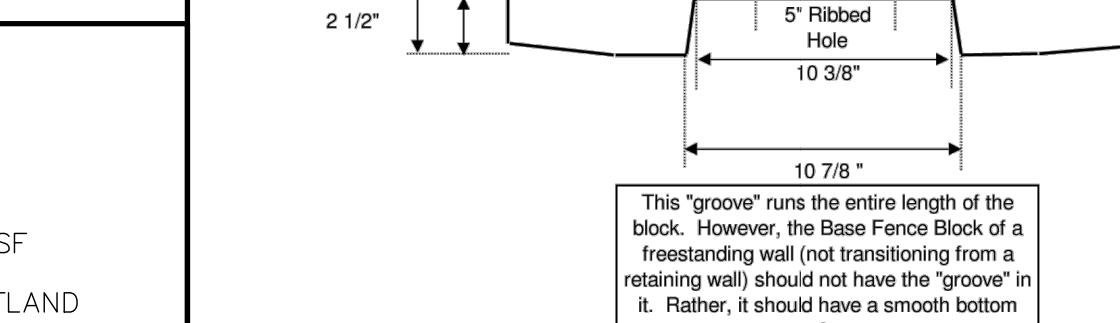
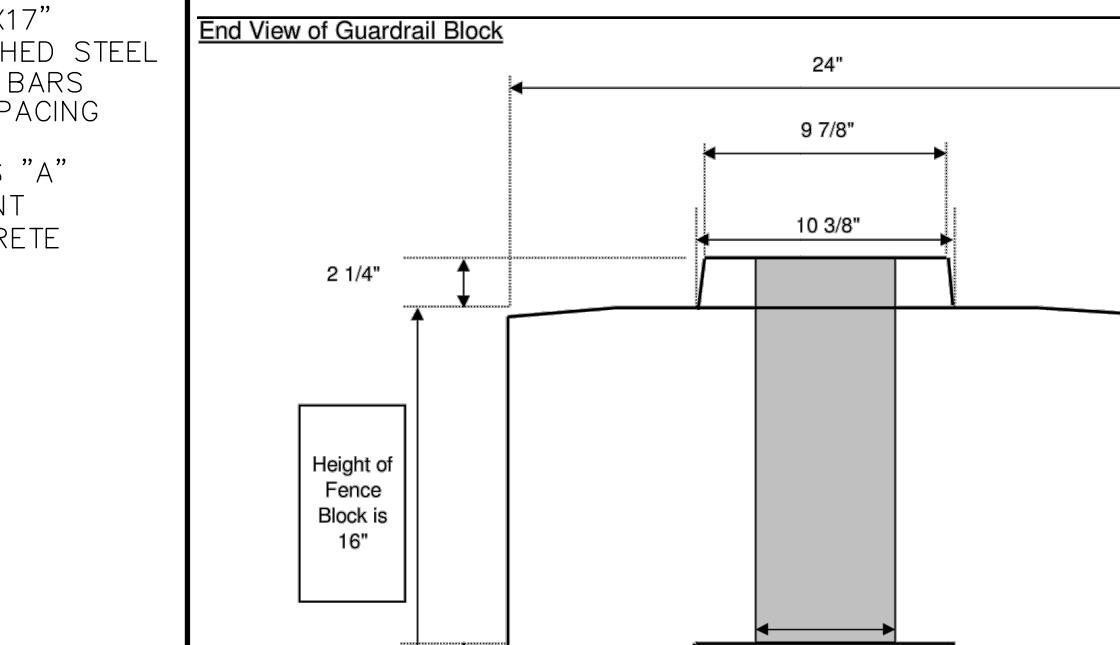
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SHEA
CONCRETE PRODUCTS
Retaining Wall Systems

DRAWING # 400



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Disclaimer:

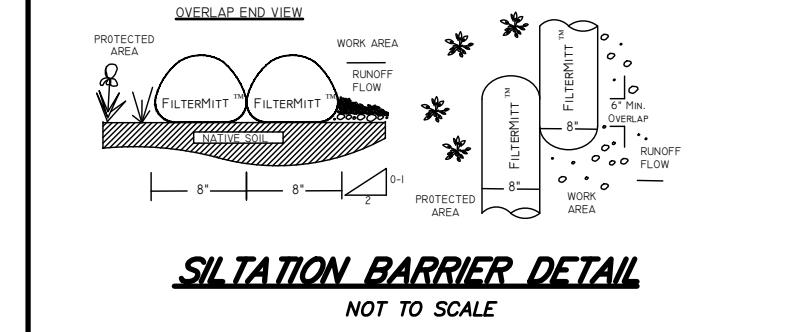
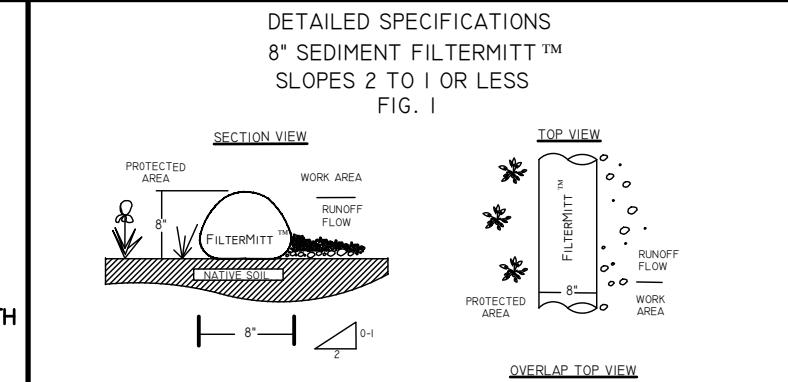
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SHEA
CONCRETE PRODUCTS
Retaining Wall Systems

DRAWING # 400b

NOTES:

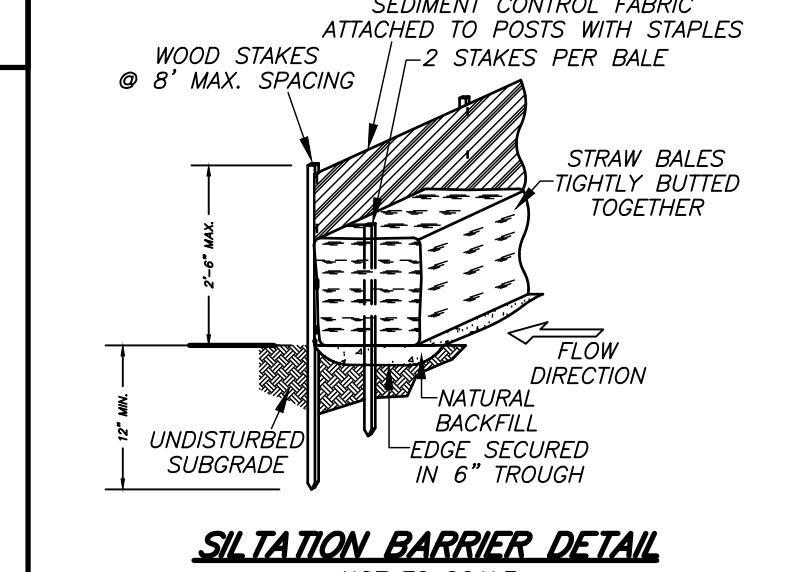
1. BOX CULVERT AS MANUFACTURED BY CHASE MANUFACTURED BY ROTONDO OR APPROVED PRECAST OR APPROVED EQUAL.
2. INSTALLATION OF THE BOX CULVERT IS TO OCCUR WHEN THERE IS NO FLOW IN STREAM. (JULY 1 TO OCTOBER 1)
3. Dewatering of stream or excavation is required. Contractor shall perform dewatering still situated beyond edge of wetland.
4. SOIL MAY BE PLACED IN CULVERT PRIOR TO INSTALLATION OF SECTIONS.
5. UPSTREAM AND DOWNSTREAM END SIMILAR CULVERT DIMENSIONS SHALL BE VERIFIED BY MANUFACTURER FOR H2O LOADING PRIOR TO INSTALLATION.
6. RESTORE CULVERT BOTTOM WITH MATERIAL OF MIXED GRADATION, WITH SMALLER PARTICLES TO FIL IN Voids AND PREVENT SUBSURFACE FLOWS.



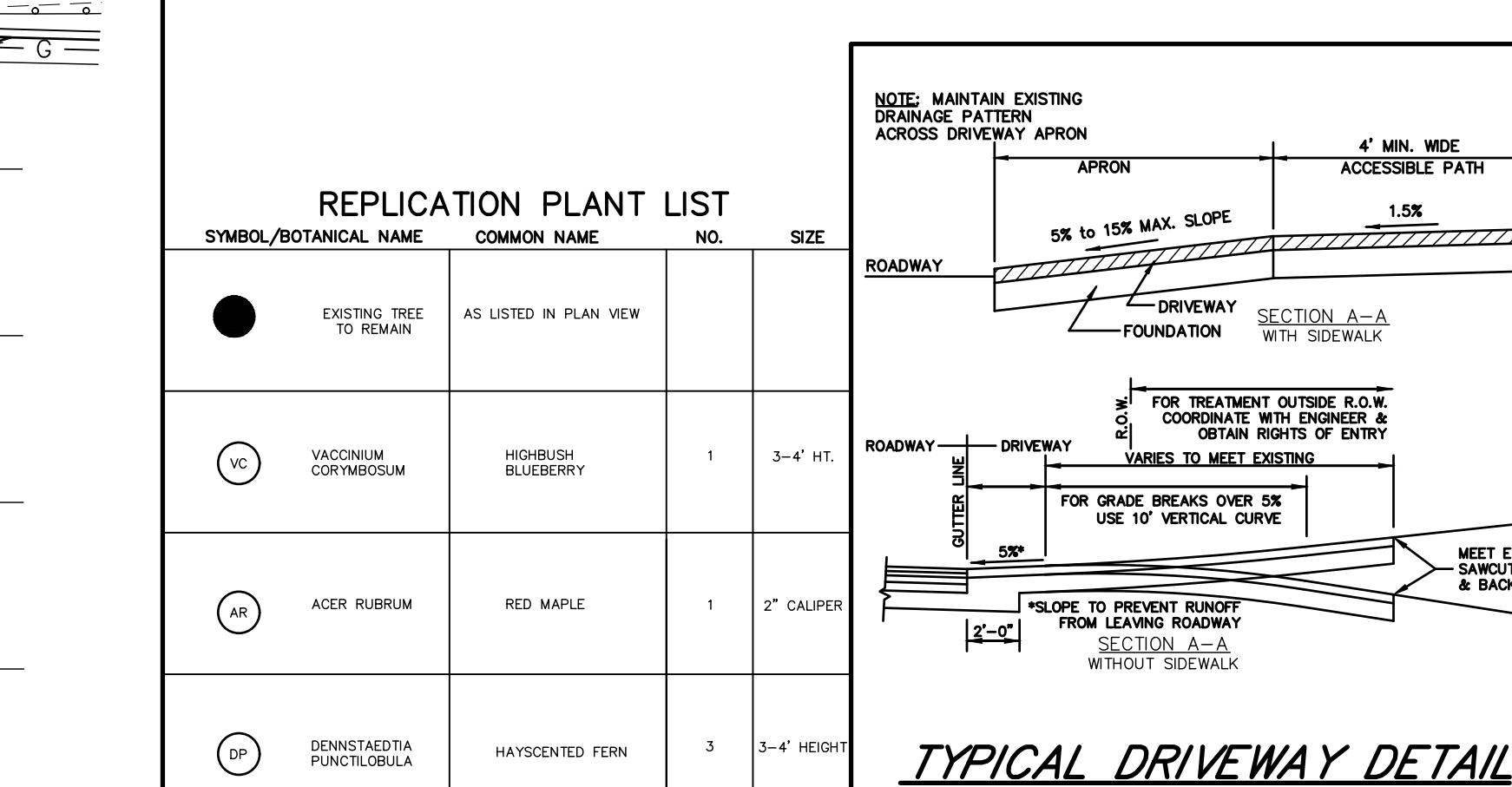
NOT TO SCALE

FOR FURTHER INFORMATION ABOUT PHASE 1 Stormwater Products, Inc. CONTACT US AT: P.O. Box 737 - Wrentham, MA 02093 - PH: (508) 354-7160 - FAX: (508) 354-0571

www.gardenscapeexpress.com



NOT TO SCALE



REPLICATION PLANT LIST
NOT TO SCALE

(RS-14)

NOTE: MAINTAIN EXISTING DRAINAGE PATTERN ACROSS DRIVEWAY APRON

APRON 4' MIN. WIDE ACCESSIBLE PATH

5% TO 15% MAX. SLOPE

SECTION A-A WITH SIDEWALK

ROADWAY DRIVEWAY FOUNDATION

DRIVEWAY VARIES

FOR GRADE BREAKS OVER 5% USE 10' VERTICAL CURVE

5% SLOPE TO PREVENT RUNOFF FROM LEAVING ROADWAY

SECTION A-A WITHOUT SIDEWALK

MEET EXISTING SIDEWALK, TACK & BACKSLOPES

SECTION A-A WITHOUT SIDEWALK

MEET EXISTING SIDEWALK, TACK & BACKSLOPES

SECTION A-A WITHOUT SIDEWALK

MEET EXISTING SIDEWALK, TACK & BACKSLOPES

SECTION A-A WITHOUT SIDEWALK

MEET EXISTING SIDEWALK, TACK & BACKSLOPES

SECTION A-A WITHOUT SIDEWALK

MEET EXISTING SIDEWALK, TACK & BACKSLOPES

SECTION A-A WITHOUT SIDEWALK

MEET EXISTING SIDEWALK, TACK & BACKSLOPES

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MEET EXISTING SIDEWALK, TACK & BACKSLOPES

SECTION A-A WITHOUT SIDEWALK