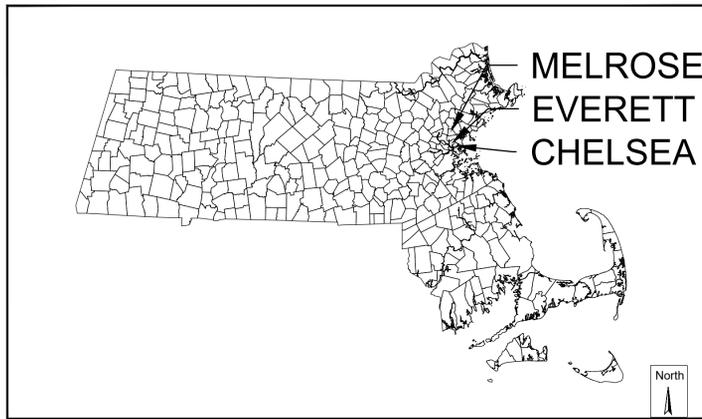
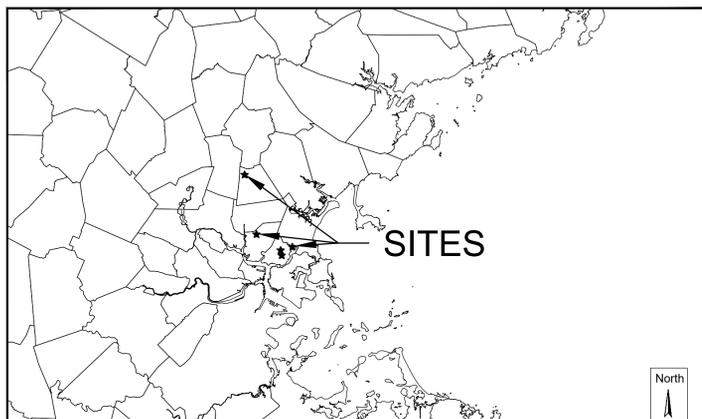


# MYSTIC RIVER WATERSHED TREE TRENCHES CONSTRUCTION PLANS EVERETT, CHELSEA, AND MELROSE, MA FEBRUARY 2026



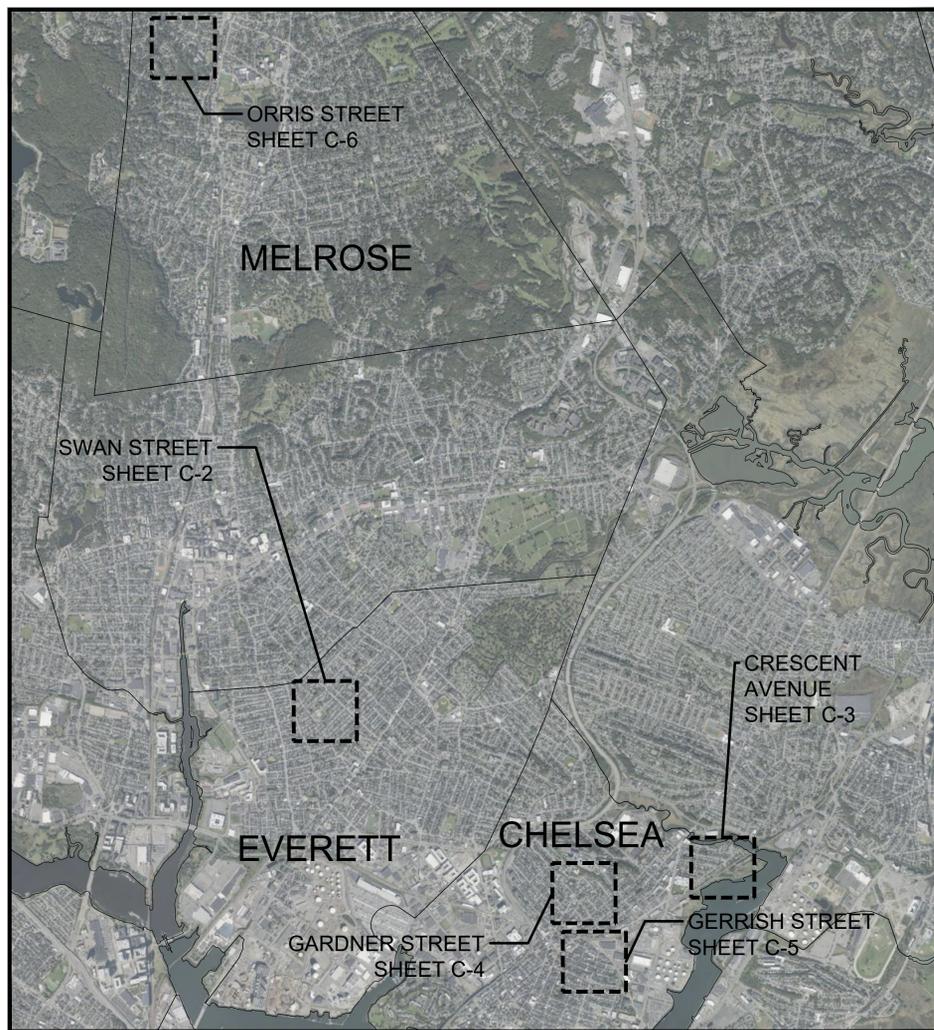
MASSACHUSETTS

Graphic Scale  
0 150000  
SCALE IN FEET  
1:150000



EVERETT, CHELSEA, AND MELROSE

Graphic Scale  
0 12000  
SCALE IN FEET  
1:12000



VICINITY MAP

Graphic Scale  
1-inch = 2500-feet

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	SWAN STREET, EVERETT, MA
3	CRESCENT AVENUE, CHELSEA, MA
4	GARDNER STREET, CHELSEA, MA
5	GERRISH STREET, CHELSEA, MA
6	ORRIS STREET, MELROSE, MA
7	DETAILS (1) - STANDARD SUBSURFACE TT
8	DETAILS (2) - SITE DETAILS
9	PLANTING NOTES & DETAILS

**GENERAL NOTES:**

- NO SURVEY WAS CONDUCTED. ELEVATION DATA IS ASSUMED BASED ON MASSGIS LIDAR DATA.
- THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS ARE BASED ON GIS DATASETS, EXISTING CONDITION PLANS, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD FROM EVERETT, CHELSEA, AND MELROSE. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY IN THE TOWN/CITY, AND "DIGSAFE" (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNALTERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- PROPERTY LINES APPROXIMATE ONLY. PARCEL DATA IS FROM MASSGIS.
- ELEVATIONS ARE SHOWN IN THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
- THE SITES ARE NOT LOCATED WITHIN WETLAND AREAS.
- EXISTING UTILITIES TO BE PROTECTED DURING CONSTRUCTION. ANY DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PAYMENT FOR RESETTING STREET FURNITURE INCLUDING BUT NOT LIMITED TO SIGNS AND MAILBOXES AND PAYMENT FOR GRAVEL OR CONCRETE FOUNDATIONS FOR THE SAME SHALL BE MADE UNDER THE LUMP SUM PRICE FOR TREE TRENCHES.
- EXISTING WATER CURB STOP BOX TO BE REMOVED AND RESET AS NEEDED BY THE CONTRACTOR. THE CITY OF MELROSE WILL SUPPLY A REPLACEMENT IF NECESSARY.
- FOR MELROSE SITE M1, CONTRACTOR TO REPLACE ANY CONCRETE PATH OR GRASS BETWEEN THE CURB AND SIDEWALK.

Plan Set: **MYSTIC RIVER WATERSHED TREE TRENCHES CONSTRUCTION PLANS EVERETT, CHELSEA, AND MELROSE, MA**

Prepared For: **City of Everett  
484 Broadway  
Everett, MA 02149  
(617)394-2334**



Prepared By: **Horsley Witten Group, Inc.  
Sustainable Environmental Solutions  
www.horsleywitten.com**



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 112 Water Street, 6th Floor, Boston, MA 02109, Phone: (857) 263-8193  
 1 Turks Head Place, Suite 300, Providence, RI 02903, Phone: (401) 272-1717, Fax: (401) 437-8368  
 113 R2 Water Street, Exeter, NH 03833, Phone: (603) 658-1660

Date Issued: FEBRUARY 2026	Registration:  RICHARD A. CLAVTOR CIVIL NO. 45116 REGISTERED PROFESSIONAL ENGINEER	Revisions	Project Number: 24059
Designed By: JMP/MYH	Drawn By: JMP/MYH	Sheet Number: 1 of 9	Drawing Number: C - 1
Checked By: JER	Rev. Date By Appr. Description		

last modified: 02/12/26 printed: 02/13/26 by mh H:\Projects\2024\24059 Everett Tree Trenches\Drawings\24059 GD.dwg



Rev.	Date	By	Appr.	Description
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3				
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Drawn By: JWP/WYH  
 Checked By: JWP/WYH  
 Date: FEBRUARY 2026

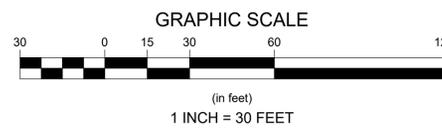
Plan Set: **MYSTIC RIVER WATERSHED TREE TRENCHES**  
 CONSTRUCTION PLANS  
 EVERETT, CHELSEA, AND MELROSE, MA  
 Plan Title: **SWAN STREET, EVERETT, MA**

Prepared For:  
**City of Everett**  
 484 Broadway  
 Everett, MA 02149  
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 Fax: -

Survey Provided By:  
**Horsley Witten Group, Inc.**  
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 Phone: 508-833-6600  
 Fax: 508-833-3150  
 Dated: January 1, 2024



Project Number: **24059** Sheet: **2 of 9**  
 Sheet Number: **C - 2**



ADD ALT #1:  
 LOCATION E4  
 STANDARD SUBSURFACE  
 TREE TRENCH  
 6 TAPPAN ST  
 LENGTH: 60'  
 WIDTH: 6'

EXISTING CATCH BASIN (TYP.)  
 EXISTING DRAIN MANHOLE (TYP.)

EXISTING EDGE OF PAVEMENT (TYP.)

LOCATION E3  
 STANDARD SUBSURFACE  
 TREE TRENCH  
 KINSMAN ST/STUART ST  
 LENGTH: 58'  
 WIDTH: 7'

INLET PROTECTION (TYP.)  
 SWAN STREET PARK

SILT SOCK AT LIMIT OF WORK (TYP.)  
 LIMIT OF DISTURBANCE

LOCATION E1  
 STANDARD SUBSURFACE  
 TREE TRENCH  
 47/49 SWAN ST  
 LENGTH: 29'  
 WIDTH: 7'

LOCATION E2  
 STANDARD SUBSURFACE  
 TREE TRENCH  
 SWAN ST/KINSMAN ST  
 LENGTH: 25'  
 WIDTH: 7'  
 R&R SIGN

EXISTING SEWER MANHOLE (TYP.)  
 PROPERTY LINE (TYP.)  
 EXISTING BUILDING (TYP.)  
 WHITTIER PLAYGROUND

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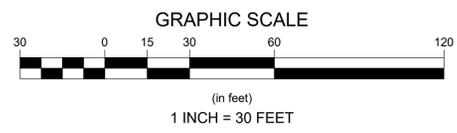
Plan Set: **MYSTIC RIVER WATERSHED TREE TRENCHES**  
 CONSTRUCTION PLANS  
 EVERETT, CHELSEA, AND MELROSE, MA  
 Plan Title: **CRESCENT AVENUE, CHELSEA, MA**

Prepared For:  
**City of Everett**  
 484 Broadway  
 Everett, MA 02149  
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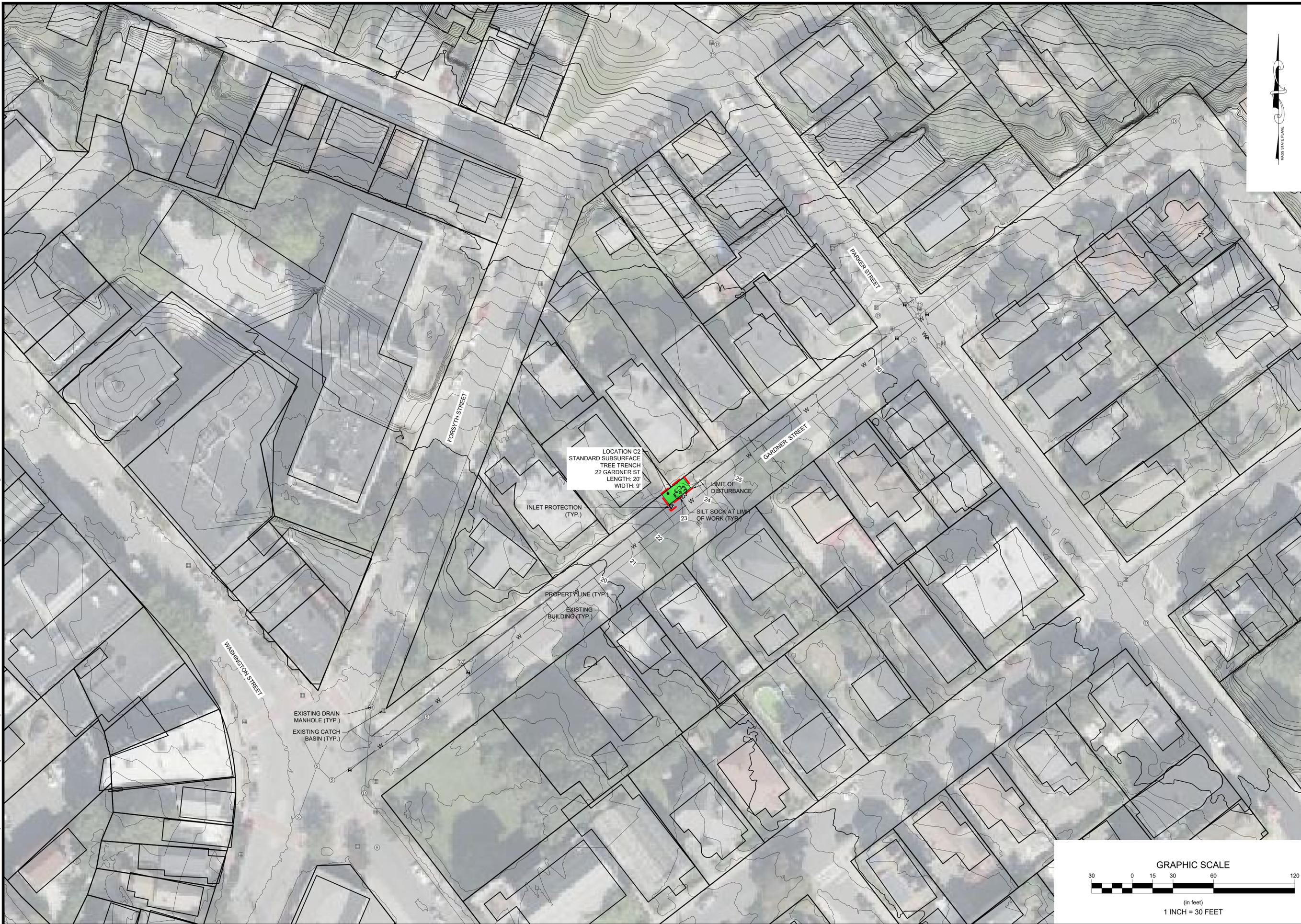
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Registration:  
 Project Number: **24059** Sheet: **3 of 9**  
 Sheet Number: **C - 3**



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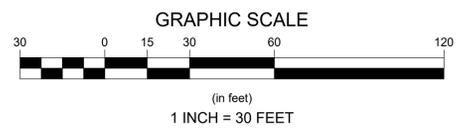
LOCATION C2  
STANDARD SUBSURFACE  
TREE TRENCH  
22 GARDNER ST  
LENGTH: 20'  
WIDTH: 9'

INLET PROTECTION  
(TYP.)

LIMIT OF  
DISTURBANCE

PROPERTY LINE (TYP.)  
EXISTING  
BUILDING (TYP.)

EXISTING DRAIN  
MANHOLE (TYP.)  
EXISTING CATCH  
BASIN (TYP.)



Rev.	Date	By	Appr.	Description
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DATE: FEBRUARY 2026  
DESIGNED BY: JWP/WYH  
DRAWN BY: JWP/WYH  
CHECKED BY: JWP/WYH

Plan Set: **MYSTIC RIVER WATERSHED TREE TRENCHES**  
CONSTRUCTION PLANS  
EVERETT, CHELSEA, AND MELROSE, MA  
Plan Title: **GARDNER STREET, CHELSEA, MA**

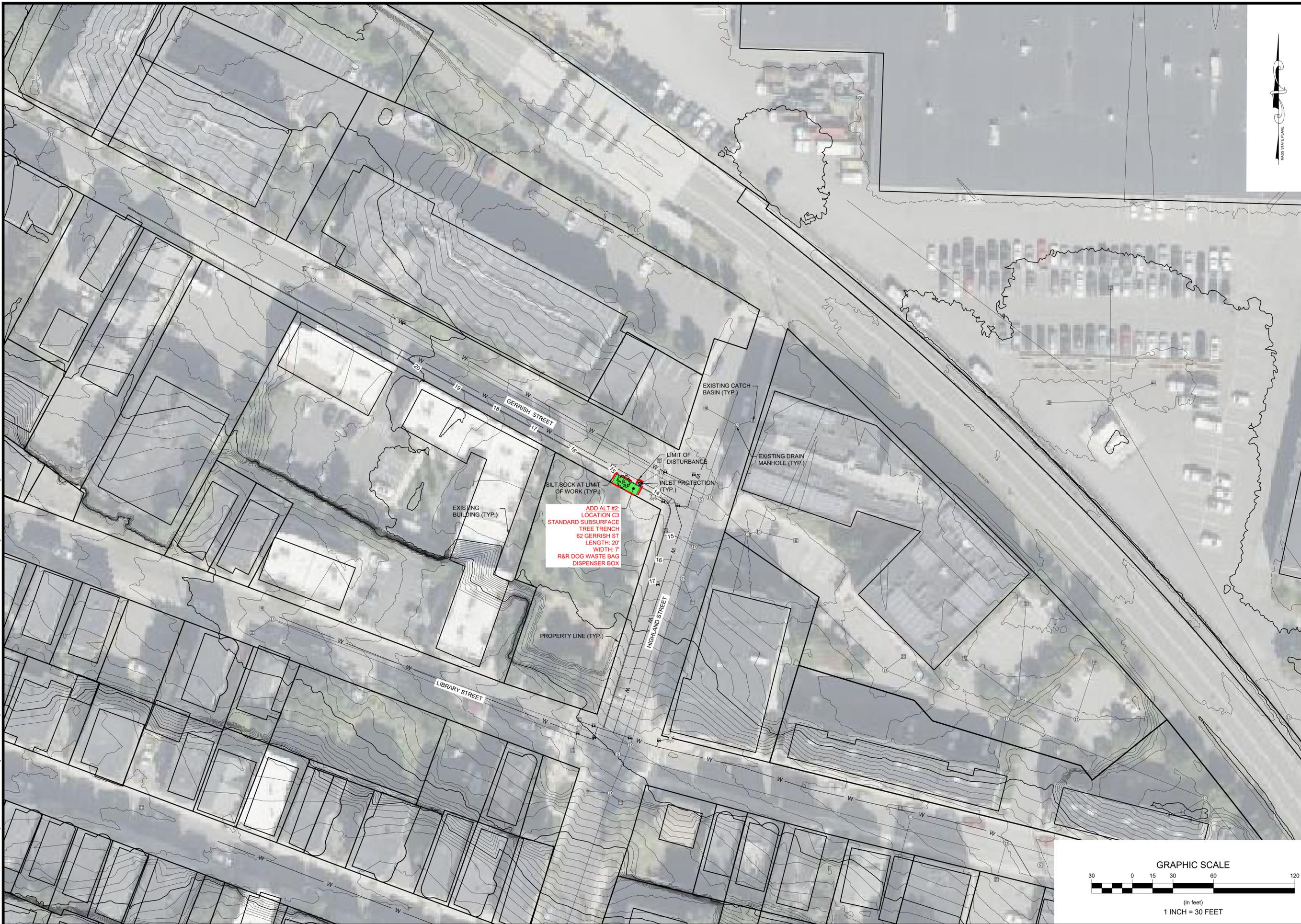
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**City of Everett**  
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Project Number: **24059** Sheet: **4 of 9**  
Sheet Number: **C - 4**

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Checked By: JWP/WYH  
Date: FEBRUARY 2026

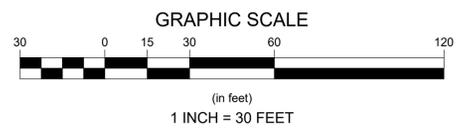
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CONSTRUCTION PLANS  
EVERETT, CHELSEA, AND MELROSE, MA  
Plan Title: **GERRISH STREET, CHELSEA, MA**

Prepared For:  
**City of Everett**  
484 Broadway  
Everett, MA 02149  
Phone: (617)394-2334  
Fax: -

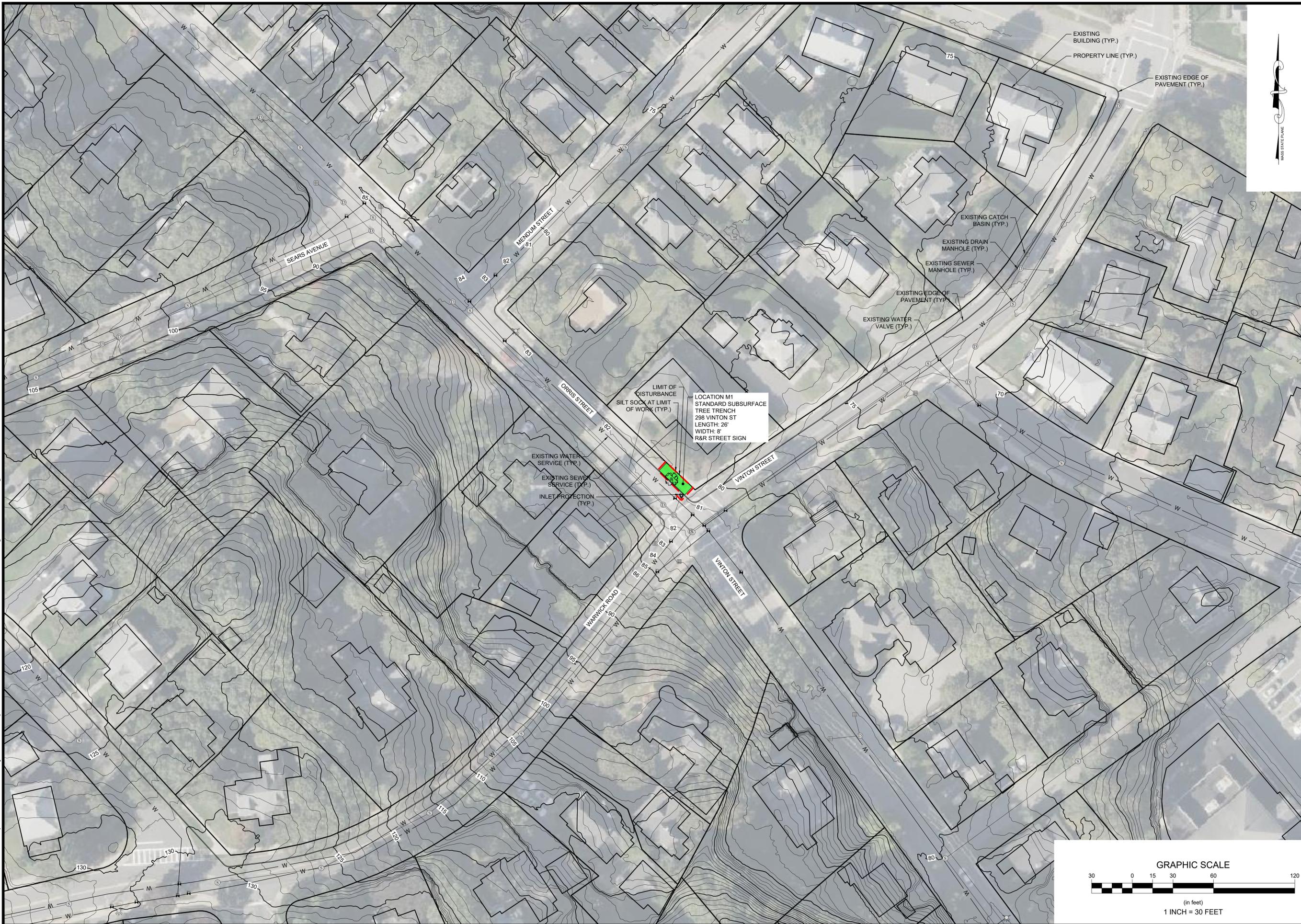
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Phone: 508-833-6600  
Fax: 508-833-3150  
Dated: January 1, 2024



Project Number: **24059** Sheet: **5 of 9**  
Sheet Number: **C - 5**



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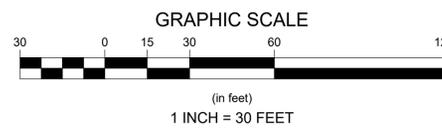
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Phone: (508) 833-6600  
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Checked By: JWP/WYH  
Drawn By: JWP/WYH  
Designated By: JWP/WYH  
Date: FEBRUARY 2026

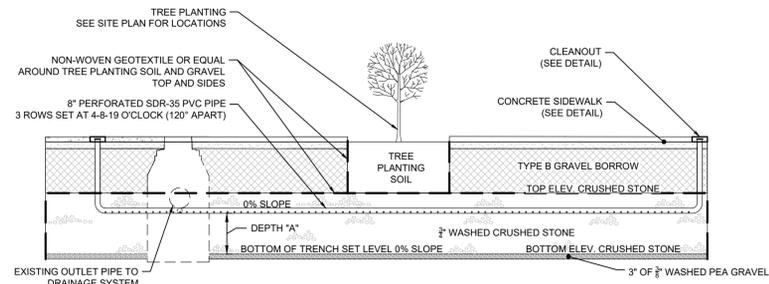
Plan Set: **MYSTIC RIVER WATERSHED TREE TRENCHES**  
CONSTRUCTION PLANS  
EVERETT, CHELSEA, AND MELROSE, MA  
Plan Title: **ORRIS STREET, MELROSE, MA**

Prepared For:  
**City of Everett**  
484 Broadway  
Everett, MA 02149  
Phone: (617)394-2334  
Fax: -

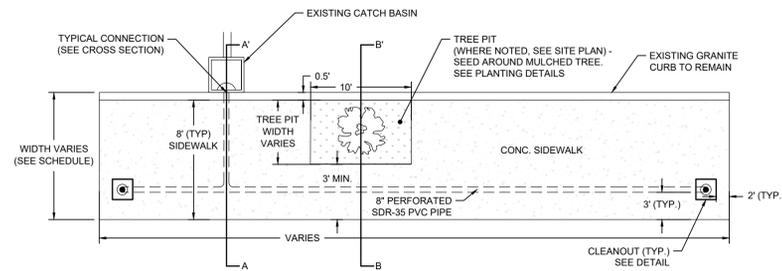
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90 Route 6A  
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Phone: 508-833-6600  
Fax: 508-833-3150  
Dated: January 1, 2024



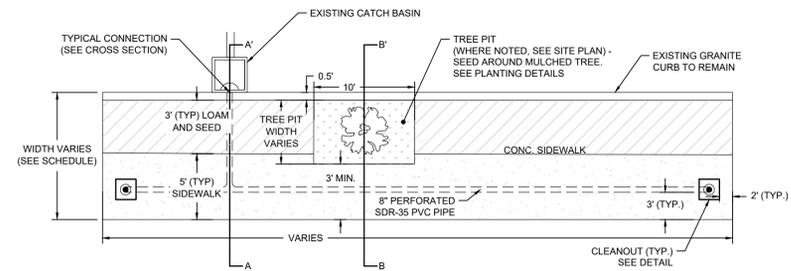
Project Number: **24059** Sheet: **6 of 9**  
Sheet Number: **C - 6**



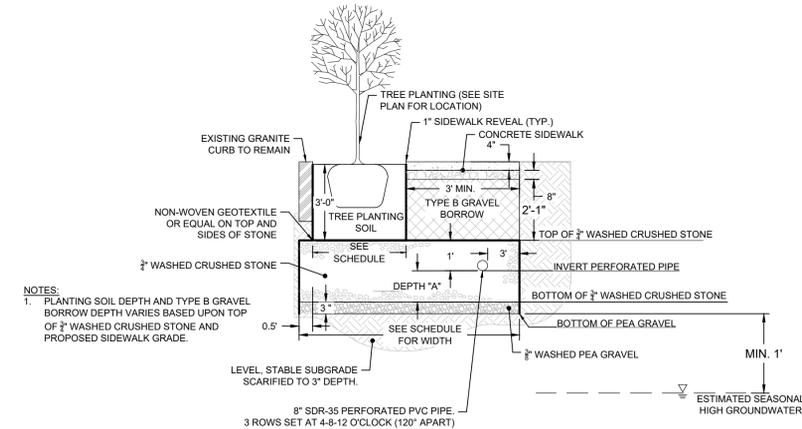
**STANDARD SUBSURFACE TREE TRENCH PROFILE**  
NOT TO SCALE



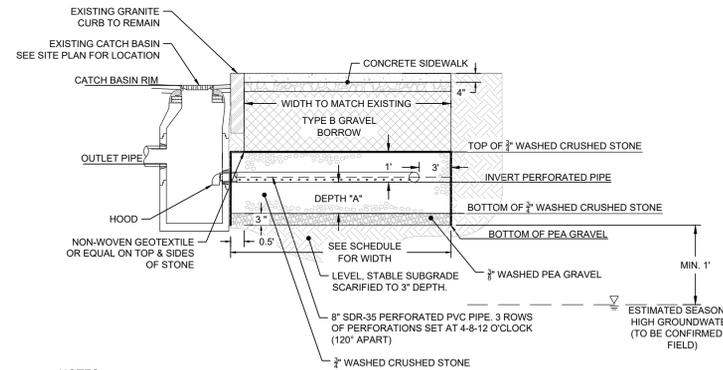
**STANDARD SUBSURFACE TREE TRENCH PLAN VIEW**  
NOT TO SCALE



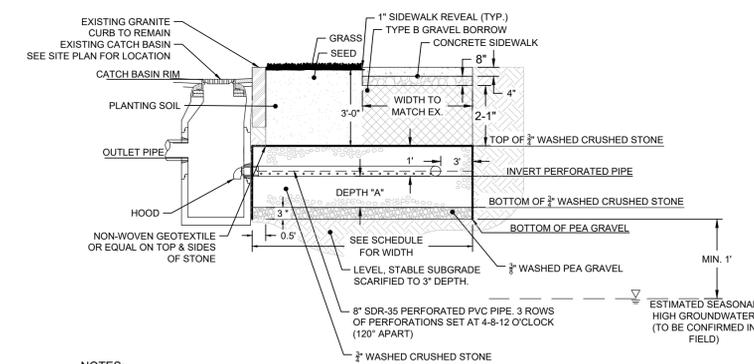
**STANDARD SUBSURFACE TREE TRENCH PLAN VIEW (LOCATION M1)**  
NOT TO SCALE



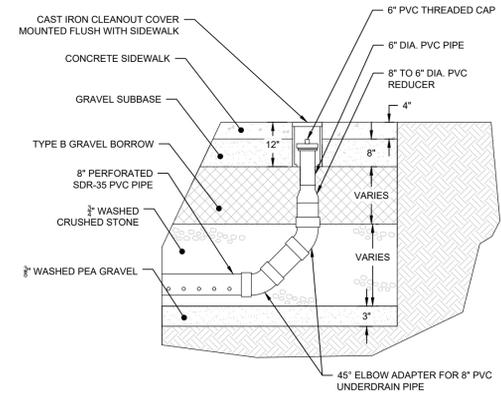
**STANDARD SUBSURFACE TREE TRENCH CROSS SECTION B-B'**  
NOT TO SCALE



**STANDARD SUBSURFACE TREE TRENCH CROSS SECTION A-A'**  
NOT TO SCALE



**STANDARD SUBSURFACE TREE TRENCH CROSS SECTION A-A' (LOCATION M1)**  
NOT TO SCALE



**CLEANOUT FOR STANDARD SUBSURFACE TREE TRENCH WITH 8\"/>**

**TREE TRENCH SCHEDULE:**

Location	BMP	Bid	Catch Basin Rim (ft) <sup>1</sup>	Existing or new outlet pipe	CB Outlet Pipe Elevation (ft) <sup>2</sup>	Trench Length (ft)	Trench Width (ft)	Tree Pit Width (ft)	Approximate Sidewalk Width (ft) <sup>3</sup>	Catch Basin Centerline to Tree Pit Centerline (ft) <sup>4</sup>	Invert Perforated Pipe to CB (ft) <sup>5</sup>	Length of Perforated Pipe (ft)	Bottom Elevation 3/4\"/>	
413 CRESCENT	C1	Base Bid	18.50	Existing	14.38	58	9.5	4.5	9.5	20.3, 41.6	13.71	58	11.71	11.46
22 GARDNER	C2	Base Bid	23.00	Existing	20.00	20	9	4.5	9.5	9	19.33	20	17.33	17.08
62 GERRISH	C3	Add Alt #2	14.50	Existing	12.08	20	7	3	7	13	11.41	20	9.41	9.16
47/49 SWAN ST	E1	Base Bid	73.50	Existing	70.01	29	7	3	7	19.8	69.34	29	67.34	67.09
SWAN/KINSMAN	E2	Base Bid	72.75	Existing	69.28	25	7	3	7.5	7	68.61	25	66.61	66.36
KINSMAN/STUART	E3	Base Bid	71.00	Existing	67.46	58	7	3	7	20.5, 40.5	66.79	58	64.79	64.54
6 TAPPAN	E4	Add Alt #1	71.00	Existing	68.25	60	6	2	6	22, 52	67.58	60	65.58	65.33
298 VINTON ST	M1	Base Bid	81.00	Existing	78.58	26	8	3.5	5	19	77.91	26	75.91	75.66

<sup>1</sup> CATCH BASIN RIM ELEVATIONS ARE ESTIMATED BASED ON SURFACE ELEVATIONS USING LIDAR DATA AND ARE APPROXIMATE ONLY. ELEVATIONS SHOULD BE FIELD VERIFIED.

<sup>2</sup> CATCH BASIN OUTLET PPE ELEVATIONS ARE BASED ON FIELD MEASUREMENTS.

<sup>3</sup> MATCH ALL EXISTING SIDEWALK WIDTHS.

<sup>4</sup> CATCH BASIN LOCATIONS ARE APPROXIMATED WITH CITY GIS DATA, SITE VISIT MEASUREMENTS, AND STREET VIEW APPROXIMATIONS.

<sup>5</sup> ELEVATIONS TO BE MODIFIED IN THE FIELD WITH ENGINEER'S APPROVAL IF GROUNDWATER IS ENCOUNTERED.

**TREE TRENCH SCHEDULE**

Revisions	Date	By	Description

**Horsley Witten Group, Inc.**  
Sustainable Environmental Solutions  
90 Route 6A, Unit 1  
Sandwich, MA 02563  
Phone: (508) 833-6600  
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Checked By: JWP/WH  
Designed By: JWP/WH  
Date: FEBRUARY 2026

Plan Set: **MYSTIC RIVER WATERSHED TREE TRENCHES CONSTRUCTION PLANS EVERETT, CHELSEA, AND MELROSE, MA**  
Sheet: **DETAILS (1) - STANDARD SUBSURFACE TT**

Prepared For:  
**City of Everett**  
484 Broadway  
Everett, MA 02149  
Phone: (617) 394-2334  
Fax: -

Survey Provided By:  
**Horsley Witten Group, Inc.**  
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Phone: 508-833-6600  
Fax: 508-833-3190  
Dated: January 1, 2024

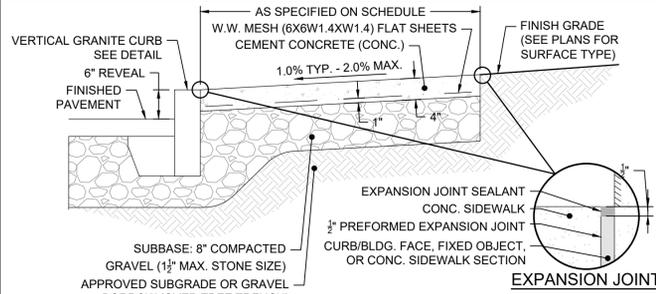


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Sheet: 7 of 9

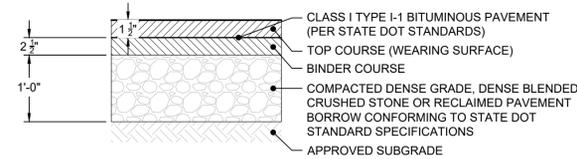
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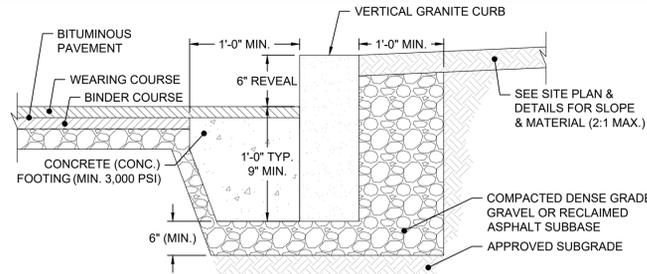
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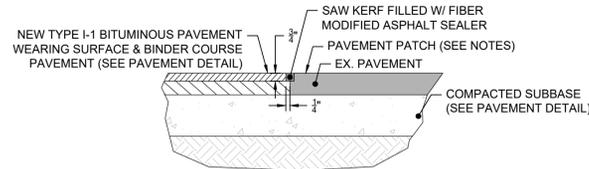
- NOTES:**
1. PROVIDE EXPANSION JOINTS AT MIN. 30'-0" O.C. WITH PRE-FORMED JOINT FILLER.
  2. PROVIDE TOOLED CONTROL JOINTS AT 5'-0" O.C. (TYP.) - 6'-0" MAX.
  3. PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
  4. CEMENT CONCRETE: 4,000 PSI-TYPE II.
  5. MATCH ALL EXISTING SIDEWALK WIDTHS.
  6. SUBBASE WILL BE COMPACTED TO 95%.



- NOTES:**
1. SUBGRADE (EXISTING MATERIAL) WILL CONSIST OF INERT MATERIAL THAT IS HARD, DURABLE STONE AND/OR COARSE SAND, FREE FROM LOAM & CLAY TO A DEPTH NOT LESS THAN 4'-0" BELOW THE FINISH PAVEMENT SURFACE. EXCAVATE SANDY-LOAM AND/OR LOAMY-SAND TOPSOIL MATERIAL FROM ALL PAVED AREAS PRIOR TO SUBBASE INSTALLATION.
  2. PLACE SUBBASE IN MAXIMUM 8" LIFTS (COMPACTED TO 95%).
  3. COMPACT SUBGRADE FILL TO 95% COMPACTION.
  4. SEE SITE LAYOUT PLAN FOR PAVEMENT WIDTH & LOCATION.
  5. SEE GRADING PLANS FOR PAVEMENT SLOPE & CROSS SLOPE.
  6. SWEEP CLEAN THE EXISTING BINDER COURSE SURFACE PRIOR TO INSTALLING THE WEARING COURSE BY A STREET SWEEPING MACHINE.
  7. APPLY A TACK COAT PER SPECIFICATIONS.

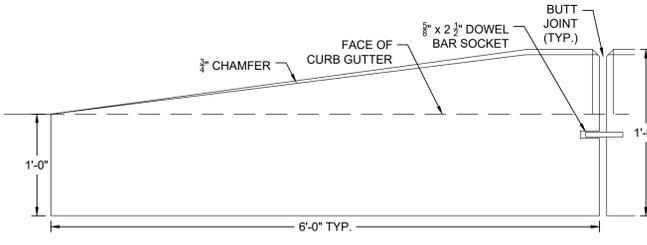
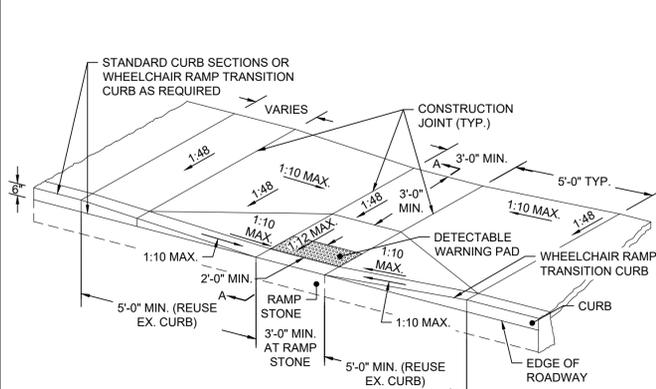


- NOTES:**
1. VERTICAL CURB: MIN. HEIGHT = 1'-6" MIN. & WIDTH = 6"
  2. VERTICAL CURBING WILL BE INSTALLED AS SHOWN ON THE SITE PLAN.
  3. PROVIDE CURB EXPANSION JOINTS AT 5'-0" TO 6'-0" O.C.
  4. CURB REPLACEMENT IN EXISTING PAVEMENT (SAWCUT EDGE MIN. 1'-0" FROM CURB).
  5. CONCRETE CURB: PROVIDE 1" CHAMFER OF EDGE ALONG PAVEMENT SIDE FACE FOR CONCRETE CURB.
  6. CONCRETE CURB WILL HAVE A MIN. CONCRETE STRENGTH OF 4,000 PSI
  7. CEMENT MORTAR JOINTS & INSTALL PREFORMED (1/2") EXPANSION JOINT WHERE REQUIRED.

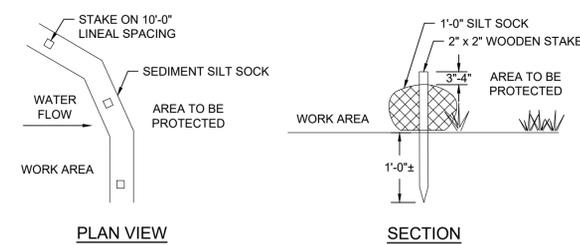


- NOTES:**
1. EXISTING BITUMINOUS PAVEMENT WILL BE REMOVED TO A CLEAN STRAIGHT EDGE VIA SAW CUTTING. THE SAW CUT WILL BE COMPLETED PERPENDICULAR TO THE ROADWAY/SIDEWALK.
  2. PRIOR TO INSTALLING THE WEARING COURSE, THE EXISTING VERTICAL PAVEMENT SURFACE WILL BE SWEEPED COMPLETELY CLEAN.
  3. AFTER PROPER COMPACTION (SEE PAVEMENT DETAIL), SAW CUT NEW PAVEMENT ABUTMENT 3/8" DEEP & FILL WITH FIBER MODIFIED ASPHALT SEALER AS SHOWN.

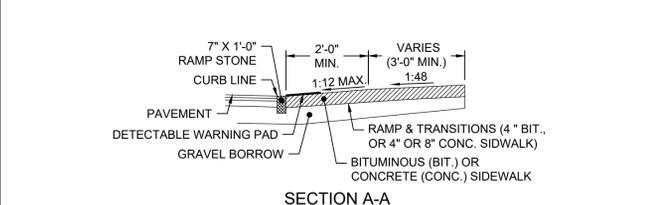
- EROSION & SEDIMENT CONTROL NOTES:**
1. DESIGNATE THE SITE CONSTRUCTION FOREMAN AS THE ON-SITE PERSONNEL RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROLS AND IMPLEMENTATION OF ALL NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE.
  2. INSTALL ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES AS INDICATED ON DRAWINGS IN CONSULTATION WITH THE ENGINEER BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN. INSPECT, MAINTAIN REPAIR AND REPLACE EROSION CONTROL MEASURES AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT. THE SITE PERIMETER EROSION CONTROLS ARE THE DESIGNATED LIMIT OF WORK. INFORM ALL PERSONNEL WORKING ON THE PROJECT SITE THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
  3. MAINTAIN A SURPLUS OF 20 FEET OF EROSION CONTROL BARRIER (SILT SOCK) ONSITE AT EACH SITE AT ALL TIMES.
  4. PROTECT THE EXISTING DRAINAGE INFRASTRUCTURE FROM SEDIMENTATION DURING PROJECT CONSTRUCTION UNTIL ACCEPTANCE BY THE OWNER & IN CONFORMANCE WITH THE ORDER OF CONDITIONS.
  5. KEEP THE LIMIT OF GRADING AND DISTURBANCES TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. PHASE THE SITE WORK IN A MANNER TO MINIMIZE AREAS OF EXPOSED SOIL. PROPERLY INSTALL THE SEDIMENTATION CONTROLS PRIOR TO BEGINNING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK.
  6. MONITOR LOCAL WEATHER REPORTS DURING CONSTRUCTION AND PRIOR TO SCHEDULING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES WHICH LEAVE LARGE DISTURBED AREAS UNSTABILIZED. IF INCLEMENT WEATHER IS PREDICTED, USE BEST PROFESSIONAL JUDGEMENT AND GOOD CONSTRUCTION PRACTICES WHEN SCHEDULING CONSTRUCTION ACTIVITIES AND ENSURE THE NECESSARY EROSION CONTROL DEVICES ARE INSTALLED AND FUNCTIONING PROPERLY TO MINIMIZE EROSION FROM ANY IMPENDING WEATHER EVENTS.
  7. INSPECT EROSION AND SEDIMENT CONTROL DEVICES AND STABILIZED SLOPES ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT OF 25 INCH OR GREATER. REPAIR IDENTIFIED PROBLEMS WITHIN 24 HOURS TO ENSURE EROSION AND SEDIMENT CONTROLS ARE IN GOOD WORKING ORDER. RESET OR REPLACE MATERIALS AS REQUIRED.
  8. SURROUND THE PERIMETER OF SOIL STOCKPILES WITH SILT SOCK AS DETERMINED NECESSARY.
  9. DISTURBED AREAS AND SLOPES MUST NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME. PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED.
  10. INSTALL A SILT SACK OR APPROVED EQUIVALENT IN EACH EXISTING CATCH BASIN RECEIVING RUNOFF FROM THE SITE. UPON THE INSTALLATION OF EACH NEW CATCH BASIN, INSTALL A SILT SACK OR APPROVED EQUIVALENT. INSPECT SILT SACKS, AFTER EACH SIGNIFICANT STORM EVENT AND REMOVE AND EMPTY AS NEEDED FOR THE DURATION OF THE CONSTRUCTION PERIOD.
  11. CONTAIN ALL SEDIMENT ONSITE. SWEEP PAVED AREAS AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS ACCUMULATED DURING SITE CONSTRUCTION.
  12. REGULARLY REMOVE ACCUMULATED SEDIMENT FROM ALL TEMPORARY PRACTICES AND AFTER RAIN EVENTS TO MAINTAIN PROPER DRAINAGE. DISPOSE OF IN A PRE-APPROVED LOCATION.
  13. PROVIDE ON SITE OR MAKE READILY AVAILABLE THE NECESSARY EQUIPMENT AND SITE PERSONNEL DURING CONSTRUCTION HOURS FOR THE DURATION OF THE PROJECT TO ENSURE ALL EROSION AND SEDIMENTATION CONTROL DEVICES ARE PROPERLY MAINTAINED AND REPAIRED IN A TIMELY AND RESPONSIBLE MANNER.
  14. REMOVE AND PROPERLY DISPOSE OF SEDIMENT ACCUMULATED IN ANY PARTIALLY CONSTRUCTED OR TEMPORARY STORMWATER MANAGEMENT AREAS USED FOR SEDIMENT CONTROL DURING CONSTRUCTION PRIOR TO FINAL CONSTRUCTION/INSTALLATION.
  15. CONTROL DUST BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE ENGINEER.
  16. THE CONTRACTOR IS RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE DURING CONSTRUCTION OF ALL STORMWATER FACILITIES INSTALLED OR AFFECTED BY THE PROJECT. REMOVE SEDIMENT OR DEBRIS COLLECTED WITHIN THESE FACILITIES AS REQUIRED FOR PROPER FUNCTION AND CONTROL OF SITE RUNOFF DURING CONSTRUCTION AND PRIOR TO THE OWNER'S ACCEPTANCE.



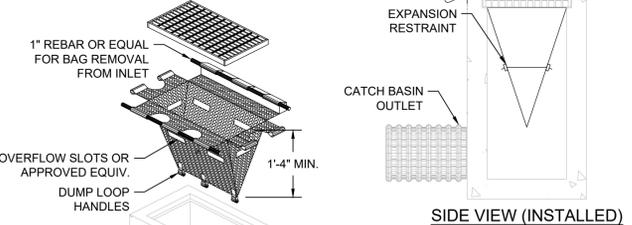
- NOTES:**
1. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION. FOR OTHER DIRECTION, USE OPPOSITE HAND & INCLUDE A 1/2" Ø x 4" EPOXY COATED DOWEL.
  2. EXPOSED EDGES WILL HAVE 3/8" CHAMFER.
  3. EXPOSED SURFACES WILL HAVE SPONGE FLOAT FINISH.
  4. CURB WILL HAVE A MINIMUM CONCRETE STRENGTH OF 4,000 PSI.
  5. CURB WILL BE INSTALLED IN ACCORDANCE WITH SECTION 501 OF THE 1995 MHD STANDARD SPECIFICATIONS FOR HIGHWAYS & BRIDGES BUT TO THE REVEAL & SLOPE SHOWN IN THE DETAILS.



- NOTES:**
1. SILT SOCK WILL BE SILT SOCK ORIGINAL & MANUFACTURED BY FILTREXX (WWW.FILTREXX.COM) OR APPROVED EQUIVALENT.
  2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS.
  3. SEDIMENT SILT SOCK TO BE FILLED WITH LOCALLY SOURCED FILTER MEDIA (LEAF COMPOST AND/OR WOODY MULCH) PER MANUFACTURER'S REQUIREMENTS.
  4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE OWNER AND/OR ENGINEER.



- NOTES:**
1. SLOPES SHOWN ARE MAXIMUM ALLOWED PER RAMP TYPE. REDUCE SLOPES WHERE AVAILABLE.
  2. BROOM FINISH CONCRETE WILL BE PERPENDICULAR TO SLOPE.
  3. FORM GROOVES (1/2" X 3/4") 6" ON CENTER AT 45 DEGREES TO CURB ON CONCRETE SLOPES.
  4. ALL CONCRETE WILL BE 4000 PSI TYPE II & HAVE A MINIMUM DEPTH OF 6" WITH W.W. MESH (6x6w1.4xw1.4) FLAT SHEETS INSTALLED 2" FROM THE BOTTOM OF THE CONCRETE LAYER.
  5. TRANSITION CURB BOTH SIDES OF RAMP (SEE DETAIL).



- NOTES:**
1. SEDIMENT CONTROL INSERTS WILL BE INSTALLED OVER ALL CATCH BASINS/INLETS THAT WILL RECEIVE RUNOFF FROM THE PROJECT SITE.
  2. TEMPORARY INLET PROTECTION WILL BE REMOVED AFTER CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
  3. MANUFACTURER WILL BE SILT SACK OR APPROVED EQUIVALENT.

Revisions	Date	By	Asst.	Description

**Horsley Witten Group, Inc.**  
Sustainable Environmental Solutions  
www.horsleywitten.com  
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Sandwich, MA 02563  
Phone: (508) 833-6600  
Fax: (508) 833-3150

Checked By: JWP/WH  
Designed By: JWP/WH  
Date: FEBRUARY 2026

Plan Set: MYSTIC RIVER WATERSHED TREE TRENCHES  
CONSTRUCTION PLANS  
EVERETT, CHELSEA, AND MELROSE, MA  
Details (2) - SITE DETAILS

Prepared For:  
**City of Everett**  
484 Broadway  
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Phone: (617)394-2334  
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Survey Provided By:  
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Phone: 508-833-6600  
Fax: 508-833-3150  
Dated: January 1, 2024

Registration:  
RICHARD A. CLAYTON  
NO. 4514  
PROFESSIONAL ENGINEER

**GENERAL PLANTING NOTES:**

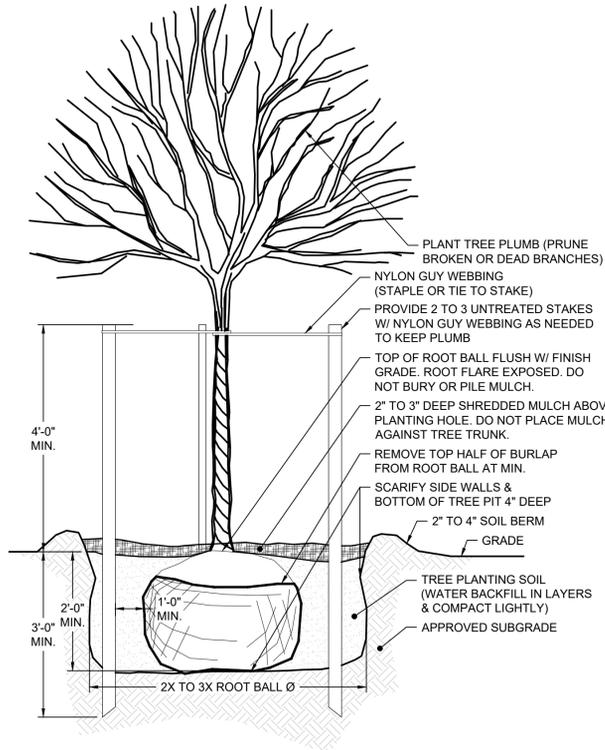
- THE FOLLOWING NOTES ARE PROVIDED AS GENERAL PLANTING GUIDELINES ONLY. THOROUGHLY REVIEW PROJECT SPECIFICATIONS FOR ALL LANDSCAPE REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY LANDSCAPE WORK. SUBMIT IN WRITING TO LANDSCAPE ARCHITECT ANY QUESTIONS OR CLARIFICATIONS REQUIRED AT 30 DAYS MINIMUM PRIOR TO ORDERING ANY MATERIALS OR BEGINNING ANY LANDSCAPE CONSTRUCTION.
- SUBMIT TO LANDSCAPE ARCHITECT FOR REVIEW & APPROVAL ALL REQUIRED LANDSCAPE SUBMITTALS AS DESCRIBED IN THE SPECIFICATIONS INCLUDING A PLANT LIST WITH PLANT SIZE & QUANTITIES TO BE ORDERED PRIOR TO DELIVERY TO PROJECT SITE.
- FURNISH & INSTALL ALL PLANTS AS SHOWN ON DRAWINGS & IN SIZE & QUANTITIES SPECIFIED ON THE PLANTING SCHEDULE. PLANT SUBSTITUTION SELECTION MUST BE APPROVED BY BIOLOGIST OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANTS WILL COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK," LATEST EDITION, PUBLISHED BY AMERICAN NURSERY & LANDSCAPE ASSOCIATION INC.
- PLANTS WILL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN LOCALITY OF PROJECT FOR AT LEAST TWO (2) YEARS. USE HEALTHY NURSERY GROWN PLANTS THAT HAVE A WELL DEVELOPED ROOT SYSTEM. PLANTS MUST BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE.
- INSTALL PLANTS WITHIN ONE (1) WEEK OF PURCHASE. IF PLANTS NEED TO BE STORED AT SITE PRIOR TO PLANTING, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THEY ARE PROPERLY MAINTAINED, WATERED & REMAIN HEALTHY.
- PROCEED WITH PLANTING ONLY WHEN EXISTING & FORECASTED WEATHER CONDITIONS PERMIT. SUBMIT TO LANDSCAPE ARCHITECT IN WRITING THE PROPOSED PLANTING SCHEDULE. OBTAIN APPROVAL OF PLANTING SCHEDULE FROM LANDSCAPE ARCHITECT PRIOR TO PERFORMING ANY WORK.
- SEASONS FOR PLANTING:  
SPRING: APRIL 1 TO JUNE 15  
FALL: SEPTEMBER 15 TO NOVEMBER 15
- PLANTING UNDER FROZEN CONDITIONS WILL NOT BE PERMITTED. PLANTING BEFORE OR AFTER ABOVE REFERENCED PLANTING DATES WILL INCREASE THE LIKELIHOOD OF PLANT ESTABLISHMENT FAILURE. ANY DEVIATION FROM ABOVE REFERENCED PLANTING DATES IS UNDERTAKEN AT SOLE RISK OF CONTRACTOR & IT IS THE RESPONSIBILITY OF CONTRACTOR TO PROVIDE ANY ADDITIONAL MAINTENANCE & WATERING WHICH MAY BE REQUIRED TO ENSURE SATISFACTORY PLANT ESTABLISHMENT.
- FURNISH ONE YEAR MANUFACTURER WARRANTY FOR TREES, PLANTS & GROUND COVER AGAINST DEFECTS INCLUDING DEATH & UNSATISFACTORY GROWTH. EXCEPTIONS ARE DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE, NEGLIGENCE OR ABUSE BY OWNER, OR ABNORMAL WEATHER CONDITIONS UNUSUAL FOR WARRANTY PERIOD. THE DATE OF FINAL ACCEPTANCE OF ALL COMPLETED PLANTING WORK ESTABLISHES END OF INSTALLATION & INITIAL MAINTENANCE PERIOD & COMMENCEMENT OF GUARANTEE PERIOD.
- ALL TREES WITHIN 5'-0" OF WALKWAYS & SIDEWALKS WILL HAVE A 6'-8" STANDARD BRANCHING HEIGHT.
- INSPECT ALL AREAS TO BE PLANTED OR SEEDED PRIOR TO STARTING ANY LANDSCAPE WORK. REPORT ANY DEFECTS SUCH AS INCORRECT GRADING, INCORRECT SUBGRADE ELEVATIONS OR DRAINAGE PROBLEMS, ETC. TO LANDSCAPE ARCHITECT & ENGINEER PRIOR TO BEGINNING WORK. COMMENCEMENT OF WORK INDICATES ACCEPTANCE OF SUBGRADE AREAS TO BE PLANTED & LANDSCAPE CONTRACTOR ASSUMES RESPONSIBILITY FOR ALL LANDSCAPE WORK.
- PROVIDE PROPER PREPARATION OF ALL PROPOSED PLANTED & SEEDED AREAS PER NOTES & SPECIFICATIONS.
- ALL PLANT LAYOUT & ACTUAL PLANTING LOCATIONS WILL TO BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING. NOTIFY LANDSCAPE ARCHITECT AT 48 HOURS MINIMUM IN ADVANCE PRIOR TO SCHEDULING ANY FIELD INSPECTIONS.
- BALL & BURLAP: REMOVE ENTIRE WIRE BASKET & MOST OF BURLAP AS INDICATED ON DRAWINGS. REMOVE PALLETS, IF ANY, BEFORE SETTING.
- DIG PLANTING HOLE TO SAME DEPTH AS ROOT BALL & TWO TO THREE TIMES WIDER. SCORE ALL SIDES OF HOLE, PLACE PLANT IN HOLE SO TOP OF ROOT BALL IS EVEN WITH SOIL SURFACE. FILL HOLE HALFWAY & THEN ADD WATER ALLOWING IT TO SEEP INTO BACK FILLED MATERIAL. BE SURE TO REMOVE ALL AIR POCKETS FROM BACK FILLED SOIL. DO NOT SPREAD SOIL ON TOP OF ROOT BALL.
- REMOVE ALL PLANT TAGS & FLAGS FROM THE PLANTS.
- MULCH ALL TREES AS INDICATED ON DRAWINGS. UNLESS NOTED OTHERWISE, ALL PLANTS WILL RECEIVE 2" TO 3" OF MULCH. DO NOT PILE OR MOUND MULCH AROUND PLANT STEMS OR TRUNK.
- TRIM BROKEN & DEAD BRANCHES FROM TREES AFTER PLANTING. NEVER CUT A LEADER.

**GENERAL SEEDING NOTES:**

- PRIOR TO THE PLACEMENT OF PLANTING SOIL, LOOSEN THE SUBGRADE OF ALL PROPOSED SEEDED AREAS TO A DEPTH OF 6" AND RAKE TO REMOVE STONES LARGER THAN 1 INCH, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEIOUS MATTER AND LEGALLY DISPOSE TO AN OFF SITE LOCATION.
- DO NOT SPREAD PLANTING SOIL IF THE SUBGRADE IS FROZEN, EXCESSIVELY WET, COMPACTED OR NOT PROPERLY PREPARED PER THE NOTES AND SPECIFICATIONS.
- SEED DURING ONE OF THE FOLLOWING PERIODS: SPRING (APRIL 1 TO JUNE 1) OR FALL (SEPTEMBER 1 TO OCTOBER 31). SEEDING OUTSIDE OF SEASONS TO OCCUR ONLY WITH APPROVAL OF LANDSCAPE ARCHITECT. IT IS THE RESPONSIBILITY OF CONTRACTOR TO PROVIDE ANY ADDITIONAL INSTALLATION, MAINTENANCE & WATERING, WHICH MAY BE REQUIRED TO ENSURE SATISFACTORY SEED ESTABLISHMENT.

**WATERING NOTES:**

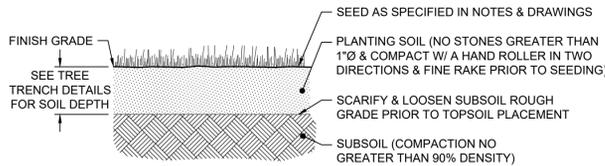
- PROVIDE PROPER PLANT CARE, MAINTENANCE AND WATERING ON SITE UNTIL SUCH TIME AS THE LANDSCAPING IS ACCEPTED BY THE PROPERTY OWNER AS SATISFACTORY PER THE SPECIFICATIONS OR AS DETERMINED BY ANY WRITTEN AGREEMENTS BETWEEN THE CONTRACTOR AND PROPERTY OWNER.
- ESTABLISH AN APPROPRIATE WATERING SCHEDULE FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND SITE CONDITIONS. PROVIDE SCHEDULE IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. ADHERE TO THE APPROVED SCHEDULE FOR THE WARRANTY PERIOD.



**NOTES:**

- ALL TREES WITHIN 5'-0" OF WALKWAYS & SIDEWALKS WILL HAVE A 6'-8" STANDARD BRANCHING HEIGHT.
- REMOVE ALL PLANT TAGS.

**TREE PLANTING**  
NOT TO SCALE



**NOTES:**

- CONFIRM SUBGRADES ARE CORRECT & POSITIVE DRAINAGE IS MAINTAINED PRIOR TO PLACEMENT OF PLANTING SOIL.
- NOTIFY ENGINEER/LANDSCAPE ARCHITECT FOR REVIEW OF SUBGRADE PRIOR TO PLACEMENT OF PLANTING SOIL.
- SEED WILL MATCH CITY TREE LAWN SEED SPECIFICATIONS.
- SEED ALL EXPOSED SOIL IN TREE PITS EXCEPT IN MULCHED AREAS AROUND TREES.

**SEEDING**  
NOT TO SCALE

Master Plant List						Address and BMP #							
						413 CRESCENT	22 GARDNER	62 GERRISH	47/49 SWAN ST	SWAN/KINSMAN	KINSMAN/STUART	6 TAPPAN	298 VINTON ST
#	Botanical name	Common Name	Size	Spacing	Plant Notes	Base Bid	Base Bid	Add Alt #2	Base Bid	Base Bid	Base Bid	Add Alt #1	Base Bid
						C1	C2	C3	E1	E2	E3	E4	M1
4	<i>Amelanchier</i> 'Snowcloud'	Snowcloud Serviceberry	2-2.5" cal.	As Shown	single stem		1		1	1			1
2	<i>Cercis canadensis</i>	Eastern Redbud	2-2.5" cal.	As Shown	single stem						2		
1	<i>Gleditsia triacanthos</i> 'Shademaster'	Shademaster Honeylocust	2-2.5" cal.	As Shown				1					
1	<i>Nyssa sylvatica</i>	Black Tupelo	2-2.5" cal.	As Shown								1	
3	<i>Ulmus americana</i> 'Princeton'	Princeton American Elm	2-2.5" cal.	As Shown		2						1	

**Revisions**

Rev	Date	By	Asst	Description
1				
2				
3				
4				
5				

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Task: FEBRUARY 2026  
Designed By: HLC  
Drawn By: JWP/WHY  
Checked By: JWP/WHY

Plan Set: MYSTIC RIVER WATERSHED TREE TRENCHES CONSTRUCTION PLANS EVERETT, CHELSEA, AND MELROSE, MA  
Plan Title: PLANTING NOTES & DETAILS

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Survey Provided By:  
**Horsley Witten Group, Inc.**  
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Phone: 508-833-6600  
Fax: 508-833-3150  
Dated: January 1, 2024

Registration:  
RICHARD A. CLAYTON  
CIVIL ENGINEER  
NO. 45116  
Professional Seal

Project Number: 24059  
Sheet: 9 of 9  
Sheet Number: C - 9

last modified: 02/13/26 printed: 02/13/26 by mth H:\Projects\2024\24059 Everett Tree Trenches\Drawings\24059 de.dwg