

149 WEST BOYLSTON DRIVE

WORCESTER, MASSACHUSETTS (Worcester County)

April 28, 2020 - Issued for Permitting
June 1, 2020 - Update Flood Elev.
July 28, 2020 - Issued for Bidding

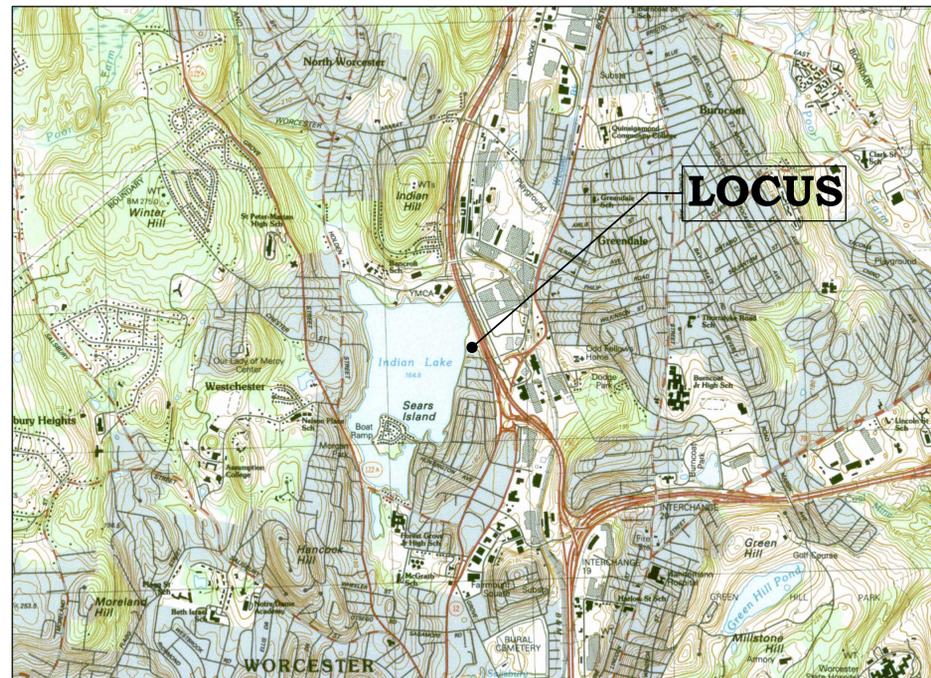
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C1.1	Notes and Details
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C2.1	Site Preparation Plan
C2.2	Landscape Plan



LAND SURVEYOR, CIVIL ENGINEER AND LANDSCAPE ARCHITECT

Beals and Thomas, Inc.
Reservoir Corporate Center
144 Turnpike Road
Southborough, Massachusetts 01772



Locus Map
Scale: 1" = 2000'



Edward M. Augustus, Jr.
City Manager

Paul J. Moosey, P.E.
Commissioner
Department of Public Works & Parks

Robert C. Antonelli, Jr.
Assistant Commissioner

Job No.: 2407.05
Plan No.: 240705P036C-001

GENERAL NOTES

1. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS. THE CONTRACTOR SHALL ALSO PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND ARCHITECT AS REQUIRED.
2. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
3. LIMIT OF WORK SHALL BE EROSION CONTROL BARRIERS, LIMIT OF GRADING AND SITE PROPERTY LINES AND/OR AS INDICATED ON DRAWINGS.
4. PORTIONS OF THE ADJACENT ROADWAY, SIDEWALK AND ROADSIDE AREA DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THEIR CONDITIONS PRIOR TO DISTURBANCE.
5. CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND ELEVATIONS IN THE FIELD PRIOR TO COMMENCING WORK.
6. ANY ALTERATION TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON RECORD DOCUMENTS.
7. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.
8. EXISTING TREES AND SHRUBS OUTSIDE THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON PRIOR APPROVAL OF THE OWNER.
9. FOR DRAWING LEGIBILITY, ALL EXISTING TOPOGRAPHIC FEATURES, EXISTING UTILITIES, PROPERTY BOUNDARIES, EASEMENTS, ETC. MAY NOT BE SHOWN ON ALL DRAWINGS. REFER TO ALL REFERENCED DRAWINGS AND OTHER DRAWINGS IN THIS SET FOR ADDITIONAL INFORMATION.
10. ALL EXCAVATORS OR CONTRACTORS MUST REFER TO 520 CMR 14.00 TO OBTAIN A TRENCH PERMIT PRIOR TO ANY CONSTRUCTION RELATED TRENCHES ON SITE.

EROSION CONTROL AND SEDIMENTATION NOTES

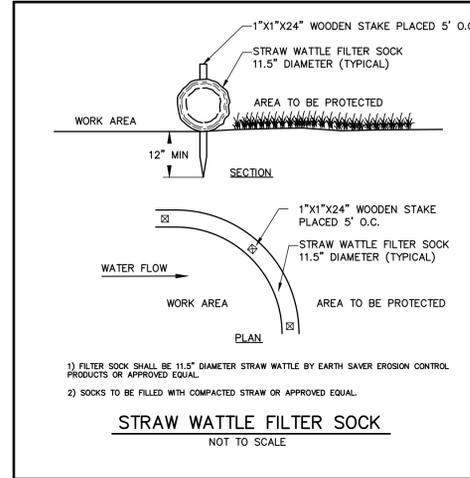
1. AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO THE COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
2. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD.
3. ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
4. ALL STOCKPILE AREAS SHALL BE LOCATED WITHIN LIMIT OF WORK LINE AND STABILIZED TO PREVENT EROSION.
5. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF SITE.
6. PROVIDE CRIBBING AS NECESSARY TO PROTECT EXISTING UTILITY LINES DURING CONSTRUCTION.
7. SITE ELEMENTS TO REMAIN MUST BE PROTECTED FOR DURATION OF PROJECT.
8. ALL TOPSOIL ENCOUNTERED WITHIN WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE DISPOSED OF ON SITE AS DIRECTED BY OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS.
9. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
10. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.
11. ALL AREAS IDENTIFIED AS CRITICAL AREA SEEDING SHALL BE STABILIZED DURING CONSTRUCTION BY SEEDING WITH ANNUAL RYE GRASS AT THE RATE OF FORTY (40) LBS/ACRE.
12. TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS AND ANY DENUDED SURFACE WHICH WILL BE EXPOSED FOR A PERIOD OF ONE MONTH OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE MULCHED WITH STRAW. MULCH SHALL BE SPREAD UNIFORMLY IN A CONTINUOUS BLANKET OF SUFFICIENT THICKNESS TO COMPLETELY HIDE THE SOIL FROM VIEW.
13. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT.
14. CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.
15. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.
16. STRAW BALE CHECK DAMS SHALL BE PROVIDED AROUND ALL EXISTING DRAIN INLETS PRIOR TO CONSTRUCTION ACTIVITIES AND AROUND ALL PROPOSED DRAIN INLETS PRIOR TO PERMANENT PAVEMENT TO CONTROL SILTATION.
17. STRAW BALE CHECK DAMS ARE TO BE PROVIDED ON TWO HUNDRED (200) FOOT SPACINGS WITHIN ALL DRAINAGE SWALES AND DITCHES AND AT UPSTREAM SIDES OF ALL DRAINAGE INLETS.
18. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.
19. ADDITIONAL STRAW BALES SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.
20. CLEAN AND MAINTAIN EROSION CONTROL BARRIER AS REQUIRED DURING CONSTRUCTION OPERATIONS TO ENSURE ITS CONTINUED FUNCTIONALITY.

GRADING NOTES

1. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES. ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
3. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ENGINEER FOR RESOLUTION.

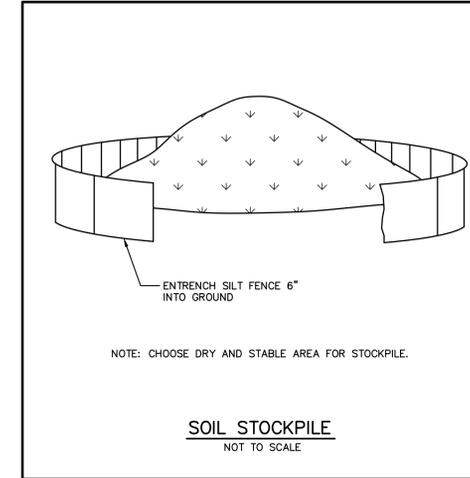
PLANTING NOTES

1. ANY PROPOSED SUBSTITUTIONS OF PLANT MATERIAL SHALL BE MADE WITH MATERIAL EQUIVALENT TO THE DESIRED MATERIAL IN OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE. PROPOSED SUBSTITUTIONS WILL ONLY BE CONSIDERED IF SUBMITTED WITH ENUMERATED REASONS WHY SUBSTITUTIONS ARE PROPOSED.
2. VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT ANY CONFLICTS TO THE OWNER OR HIS REPRESENTATIVE.
3. NO PLANT SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.
4. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
5. LOAM AND SEED ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED.
6. REGRADE STOCKPILE AREA AFTER REMOVAL OF SURPLUS MATERIALS (SEE SITE WORK SPECIFICATIONS). LOAM AND SEED THE DISTURBED AREA.
7. TOPSOIL STRIPPED FROM THE SITE AND PROPERLY STOCKPILED PRIOR TO APPLICATION MAY, UPON APPROVAL OF THE ENGINEER, BE USED FOR PREPARATION OF SEEDED AREAS. IT SHOULD BE FREE OF LARGE (ONE (1) INCH OR GREATER) COBBLES, ROOTS, OLD SOD, TRASH, WOOD OR OTHER CONTAMINANTS AND BE OF A FRIABLE CONSISTENCY AND SUITABLE FOR PLANT GROWTH. TOPSOIL SHALL NOT BE WORKED OR APPLIED IN A MUDDY OR WET CONDITION.
8. TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF FOUR (4) INCHES AFTER SETTLING ON ALL STRIPPED PLANTED AREAS INCLUDING LAWN AREAS. THE SETTLED TOPSOIL SHALL BE UP TO THE FINISHED GRADE AS CALLED FOR ON THE DRAWINGS. SCARIFY SUBGRADE TO A DEPTH OF TWO (2) INCHES BEFORE PLACING TOPSOIL.
9. REMOVE ALL ROCKS AND DEBRIS FROM SOIL SURFACE AND GRADE TO AN EVEN SURFACE.
10. PLANTING SEED SHALL BE SOWN IN SEASONAL CONDITIONS AS APPROPRIATE FOR GOOD SEED SURVIVAL, OR AT SUCH TIMES AS APPROVED BY THE OWNER. PROVIDE SUFFICIENT HOSE AND SPRINKLER HEADS FOR ADEQUATE WATERING TO MAINTAIN A MOIST SEED BED AT ALL TIMES.
11. AFTER SEEDING, THE SURFACE OF THE SOIL SHALL BE EVENLY RAKED WITH A FINE-TOOTHED RAKE AND THEN ROLLED WITH A HAND ROLLER WEIGHING NOT LESS THAN ONE HUNDRED (100) POUNDS PER FOOT OF WIDTH.
12. WATER THE MULCH AND SEED BEDS THOROUGHLY AND IMMEDIATELY AFTER COMPLETION OF MULCHING AND SEEDING OPERATIONS. SOIL SHALL BE MOISTENED TO A DEPTH OF FOUR (4) INCHES. CONTRACTOR SHALL INSTRUCT OWNERS REPRESENTATIVE ON APPROPRIATE WATERING PROCEDURES DURING INITIAL ESTABLISHMENT.
13. IF CERTAIN OF THE LAWN AREAS DO NOT SHOW A PROMPT "CATCH", THESE SHALL BE RESEEDED AT THE SAME RATE AND IN THE SAME MANNER AS BEFORE IN INTERVALS OF TEN (10) DAYS, WHICH PROCESS SHALL CONTINUE UNTIL A GROWTH OF GRASS IS ESTABLISHED OVER THE ENTIRE AREA.
14. PROTECT NEWLY TOPSOILED, GRADED AND/OR SEEDDED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS RESULTING FROM LANDSCAPE CONTRACTOR OPERATIONS.
15. PLACE WARNING SIGNS IN SEEDDED AREAS AND ERECT NECESSARY BARRICADES TO PREVENT DAMAGE BY PERSONS OR MACHINES AND MAINTAIN THESE FOR AT LEAST THIRTY (30) DAYS.
16. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS TO THE SPECIFIED GRADE AND TOLERANCES.
17. THE LANDSCAPE CONTRACTOR IS TO CLEAN UP AND REMOVE ANY DEBRIS FROM THE SITE CAUSED BY THE LANDSCAPE CONTRACTOR.
18. PLANT MATERIAL IS TO BE MAINTAINED BY THE LANDSCAPE CONTRACTOR WHILE THE PROJECT IS UNDERWAY.
19. PERENNIALS, BULBS AND ANNUALS ARE TO BE PLANTED IN A WELL PREPARED BED WHICH SHALL INCLUDE PEAT AND SLOW RELEASE FERTILIZER. BEDS SHALL BE SKIMMED WITH ONE AND ONE-HALF (1-1/2) INCH TO TWO (2) INCH MULCH (INCLUDING GROUND COVERS).
20. ALL TREES ALONG SIDEWALKS SHALL HAVE A MINIMUM SIX (6) FOOT BRANCHING HEIGHT.
21. ALL TREES WITHIN THE FOUR HUNDRED (400) FOOT SIGHT LINE AT THE ENTRY DRIVE SHALL BE INSTALLED AND MAINTAINED WITH A MAXIMUM SIX (6) FOOT BRANCHING HEIGHT. SHRUBS WITHIN THE FOUR HUNDRED (400) FOOT SIGHT LINE AT THE ENTRY DRIVE SHALL BE INSTALLED AND MAINTAINED TO A MAXIMUM HEIGHT OF EIGHTEEN (18) INCHES.
22. LIGHT POLES LOCATED IN PLANTING ISLANDS SHALL BE CENTERED BETWEEN EDGES OF PAVEMENT ON OPPOSITE SIDES OF THE POLE. LIGHT POLES IN PARKING AREAS SHALL BE CENTERED ON THE INTERSECTIONS OF PAINT STRIPES.



- 1) FILTER SOCK SHALL BE 11.5" DIAMETER STRAW WATTLE BY EARTH SAVER EROSION CONTROL PRODUCTS OR APPROVED EQUAL.
- 2) SOCKS TO BE FILLED WITH COMPACTED STRAW OR APPROVED EQUAL.

STRAW WATTLE FILTER SOCK
NOT TO SCALE



NOTE: CHOOSE DRY AND STABLE AREA FOR STOCKPILE.

SOIL STOCKPILE
NOT TO SCALE

CONSTRUCTION SEQUENCE NOTES:

1. THE CONSTRUCTION SEQUENCE REQUIREMENTS FOR WORK CONDUCTED IN THE BUFFER ZONES TO WETLAND RESOURCE AREAS SHALL BE USED BY THE CONTRACTOR TO FORM A COMPLETE SCHEDULE FOR THE PROJECT, WHICH SHALL BE COORDINATED WITH THE OWNER, WORCESTER CONSERVATION COMMISSION AND ENGINEER, BEFORE PERFORMING ANY WORK AT THE SITE. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN TO THE WORCESTER CONSERVATION COMMISSION AND ENGINEER FOR REVIEW. THIS PLAN SHALL DESCRIBE THE PROPOSED SEQUENCE, METHODS, AND TIMING OF THE WORK TO BE PERFORMED ON THE SITE.
2. THE FOLLOWING IS A LIST OF PARAMETERS FOR THE CONTRACTOR TO FOLLOW DURING CONSTRUCTION:
 - A. NOTIFY CITY OF WORCESTER CONSERVATION AGENT PRIOR TO COMMENCEMENT OF WORK AND SCHEDULE/CONDUCT PRE-CONSTRUCTION MEETING.
 - B. DISPLAY DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) PERMIT NUMBER AT CONSTRUCTION SITE.
 - C. INSTALL EROSION CONTROL BARRIERS ACCORDING TO SITE PLANS AND PERFORM WORK ACCORDING TO THE SITE PLANS:
 - CLEAR AND GRUB EXISTING VEGETATION
 - ROUGH GRADE AREA AFTER REMOVAL OF VEGETATION/DEBRIS
 - FINE GRADE TO PREPARE FOR SEEDING
 - HYDROSEED AREA
 - CLEAN UP SITE
 - D. NOTIFY CITY OF WORCESTER CONSERVATION AGENT UPON COMPLETION OF WORK
 - E. REMOVE EROSION CONTROL MEASURES UPON APPROVAL AND CERTIFICATE OF COMPLIANCE FROM CITY OF WORCESTER CONSERVATION COMMISSION.

SOIL CLASSIFICATION: URBAN LAND (EXCAVATED AND FILLED LAND)

PREPARED FOR:

**CITY OF
WORCESTER
DEPARTMENT OF
PUBLIC WORKS
AND PARKS**

50 SKYLINE DRIVE
WORCESTER, MASSACHUSETTS



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PREPARED BY:



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4		
3		
2	7/28/2020	ISSUED FOR BIDDING
1	6/01/2020	UPDATE FLOOD ELEV.
0	4/28/2020	FIRST ISSUE
	ISSUE DATE	DESCRIPTION
	DES	DWN
	CHK'D	APP'D

PROJECT:

**149 WEST
BOYLSTON DRIVE
WORCESTER,
MASSACHUSETTS**

SCALE: N/A DATE: APRIL 28, 2020

NOTES AND DETAILS

B+T JOB NO.2407.05

B+T PLAN NO.
240705P036C-002

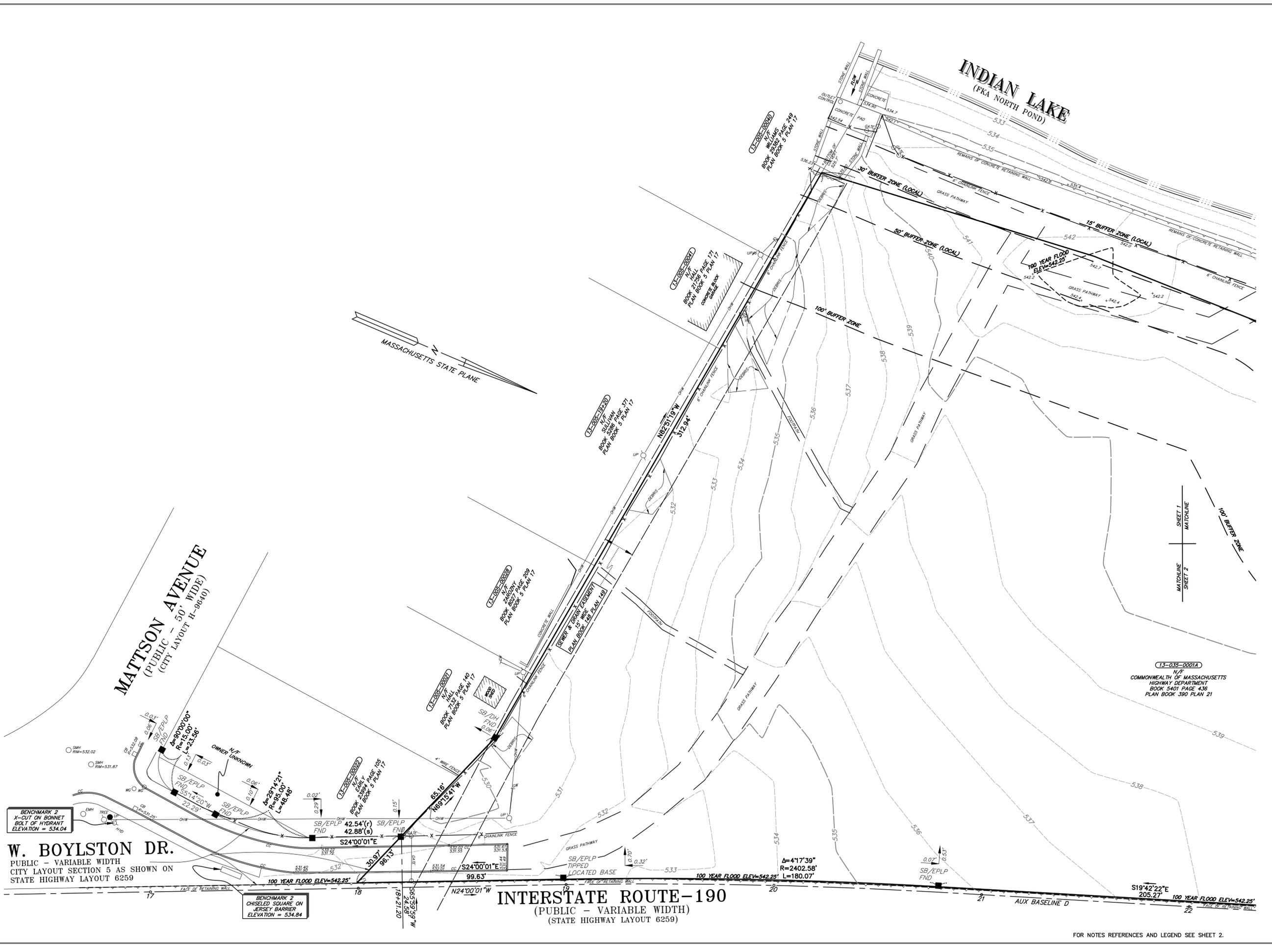
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BEALS AND THOMAS, INC. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES; OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPIING, RECORDING OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF BEALS AND THOMAS, INC. EXCEPT THAT ANY REGULATORY AUTHORITY MAY REPRODUCE AND TRANSMIT COPIES AS REQUIRED IN CONJUNCTION WITH PERFORMANCE OF OFFICIAL BUSINESS UNDER ITS JURISDICTION. ANY MODIFICATIONS TO THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF BEALS AND THOMAS, INC. SHALL RENDER IT INVALID AND UNUSABLE.

PREPARED FOR:
CITY OF WORCESTER
 DEPARTMENT OF
**PUBLIC WORKS &
 PARKS**
 50 SKYLINE DRIVE,
 WORCESTER, MA
 01605

RECORD OWNER:
**COMMONWEALTH OF
 MASSACHUSETTS
 HIGHWAY
 DEPARTMENT**
 BOOK 5401 PAGE 436
 PLAN BOOK 390 PLAN 21



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2	06/01/2020	UPDATE FLOOD ELEV.
1	04/28/2020	UPDATE BUFFER ZONES
0	01/06/2014	INITIAL ISSUE
ISSUE DATE		DESCRIPTION
JJ/AMG	ICW	ICW/DJL RJB
FLD	CALC	DWN CHK'D

13-035-0001A
 N/E
 COMMONWEALTH OF MASSACHUSETTS
 HIGHWAY DEPARTMENT
 BOOK 5401 PAGE 436
 PLAN BOOK 390 PLAN 21

Robert J. Buckley

**TOPOGRAPHIC
 PLAN OF LAND**
**MA DOT PARCEL
 WORCESTER, MA**
 (WORCESTER COUNTY)

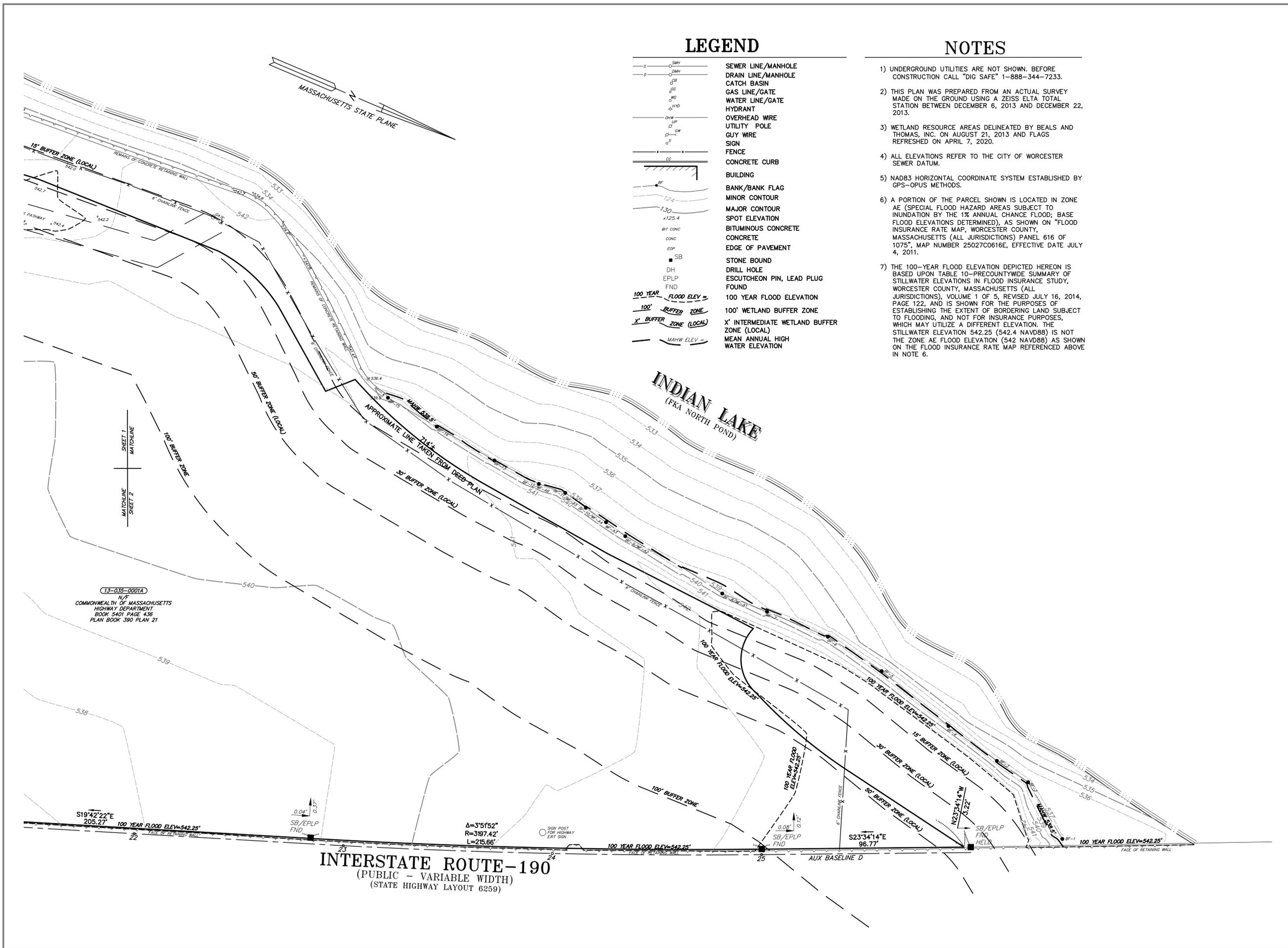
PREPARED BY:
BEALS + THOMAS
 Civil Engineers + Landscape Architects +
 Land Surveyors + Planners +
 Environmental Specialists

BEALS AND THOMAS, INC.
 Reservior Corporate Center
 144 Turnpike Road
 Southborough, Massachusetts 01772-2104
 T 508.366.0560 | www.bealsandthomas.com

DATE: JANUARY 6, 2014 METERS
 SCALE: 1"=20' FEET

B+T JOB NO. 2407.00
 B+T PLAN NO. 2407P010C-001
PL-1
 SHEET 1 OF 2

FOR NOTES REFERENCES AND LEGEND SEE SHEET 2.



LEGEND

- SEWER LINE/MANHOLE
- DRAIN LINE/MANHOLE
- CATCH BASIN
- GAS LINE/GATE
- WATER LINE/GATE
- HYDRANT
- OVERHEAD WIRE
- UTILITY POLE
- GUY WIRE
- SIGN
- FENCE
- CONCRETE CURB
- BUILDING
- BANK/BANK FLAG
- MINOR CONTOUR
- MAJOR CONTOUR
- SPOT ELEVATION
- BITUMINOUS CONCRETE
- CONCRETE
- EDGE OF PAVEMENT
- STONE BOUND
- DRILL HOLE
- ESCUTCHEON PIN, LEAD PLUG
- FOUND
- 100 YEAR FLOOD ELEV =
- 100' WETLAND BUFFER ZONE
- X' INTERMEDIATE WETLAND BUFFER ZONE (LOCAL)
- MAHW ELEV =

NOTES

- 1) UNDERGROUND UTILITIES ARE NOT SHOWN. BEFORE CONSTRUCTION CALL "DIG SAFE" 1-888-344-7233.
- 2) THIS PLAN WAS PREPARED FROM AN ACTUAL SURVEY MADE ON THE GROUND USING A ZEISS ELTA TOTAL STATION BETWEEN DECEMBER 6, 2013 AND DECEMBER 22, 2013.
- 3) WETLAND RESOURCE AREAS DELINEATED BY BEALS AND THOMAS, INC. ON AUGUST 21, 2013 AND FLAGS REFRESHED ON APRIL 7, 2020.
- 4) ALL ELEVATIONS REFER TO THE CITY OF WORCESTER SEWER DATUM.
- 5) NAD83 HORIZONTAL COORDINATE SYSTEM ESTABLISHED BY GPS-OPUS METHODS.
- 6) A PORTION OF THE PARCEL SHOWN IS LOCATED IN ZONE AE (SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD; BASE FLOOD ELEVATIONS DETERMINED), AS SHOWN ON "FLOOD INSURANCE RATE MAP, WORCESTER COUNTY, MASSACHUSETTS (ALL JURISDICTIONS) PANEL 616 OF 1075", MAP NUMBER 25027C0616E, EFFECTIVE DATE JULY 4, 2011.
- 7) THE 100-YEAR FLOOD ELEVATION DEPICTED HEREON IS BASED UPON TABLE 10-PRCOUNTRYWIDE SUMMARY OF STILLWATER ELEVATIONS IN FLOOD INSURANCE STUDY, WORCESTER COUNTY, MASSACHUSETTS (ALL JURISDICTIONS), VOLUME 1 OF 5, REVISED JULY 16, 2014, PAGE 122, AND IS SHOWN FOR THE PURPOSES OF ESTABLISHING THE EXTENT OF BORDERING LAND SUBJECT TO FLOODING, AND NOT FOR INSURANCE PURPOSES, WHICH MAY UTILIZE A DIFFERENT ELEVATION. THE STILLWATER ELEVATION 542.25 (542.4 NAVD88) IS NOT THE ZONE AE FLOOD ELEVATION (542 NAVD88) AS SHOWN ON THE FLOOD INSURANCE RATE MAP REFERENCED ABOVE IN NOTE 6.

PREPARED FOR:
CITY OF WORCESTER
 DEPARTMENT OF
**PUBLIC WORKS &
 PARKS**
 50 SKYLINE DRIVE,
 WORCESTER, MA
 01605

RECORD OWNER:
**COMMONWEALTH OF
 MASSACHUSETTS**
 HIGHWAY
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 BOOK 5401 PAGE 436
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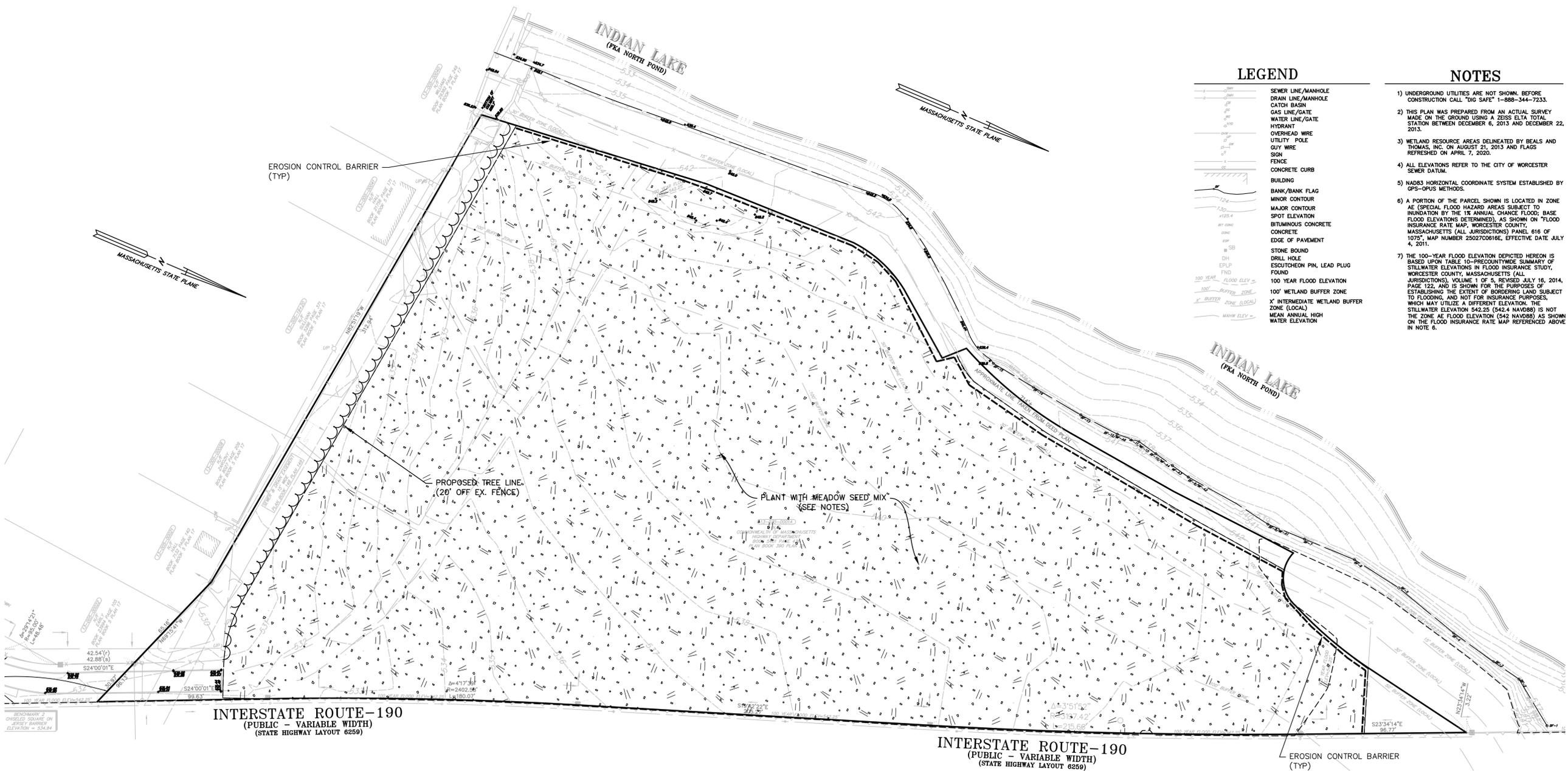
TOPOGRAPHIC PLAN OF LAND MA DOT PARCEL WORCESTER, MA (WORCESTER COUNTY)

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B+T JOB NO. 2407.00
 B+T PLAN NO. 2407P010C-002
PL-2
 SHEET 2 OF 2



LEGEND

- SEWER LINE/MANHOLE
- DRAIN LINE/MANHOLE
- CATCH BASIN
- GAS LINE/GATE
- WATER LINE/GATE
- HYDRANT
- OVERHEAD WIRE
- UTILITY POLE
- GUY WIRE
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- 100 YEAR FLOOD ELEVATION
- 100' WETLAND BUFFER ZONE
- X' INTERMEDIATE WETLAND BUFFER ZONE (LOCAL)
- MEAN ANNUAL HIGH WATER ELEVATION

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DES	DWN	CHK'D	APP'D

PROJECT:
149 WEST BOYLSTON DRIVE
 WORCESTER, MASSACHUSETTS

SCALE: 1" = 30' DATE: APRIL 28, 2020
 METERS
 0 5 10 25
 FEET
 0 15 30 60 90

LANDSCAPE PLAN

B+T JOB NO.2407.05
 B+T PLAN NO. 240705P035C-005
C2.2

New England Conservation/Wildlife Mix from New England Wetland Plants, Inc., Amherst, MA (413) 548-8000
 Apply: 25 lbs/acre 1 lb/1750 sq ft

FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1.
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