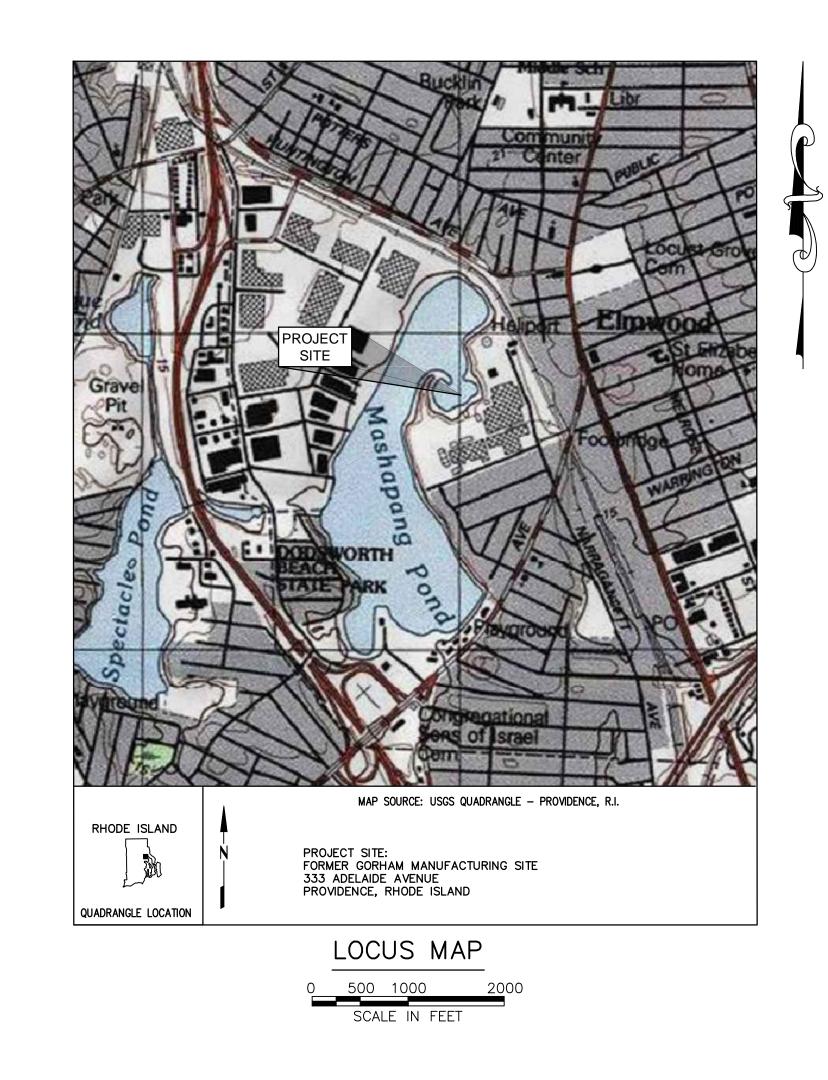
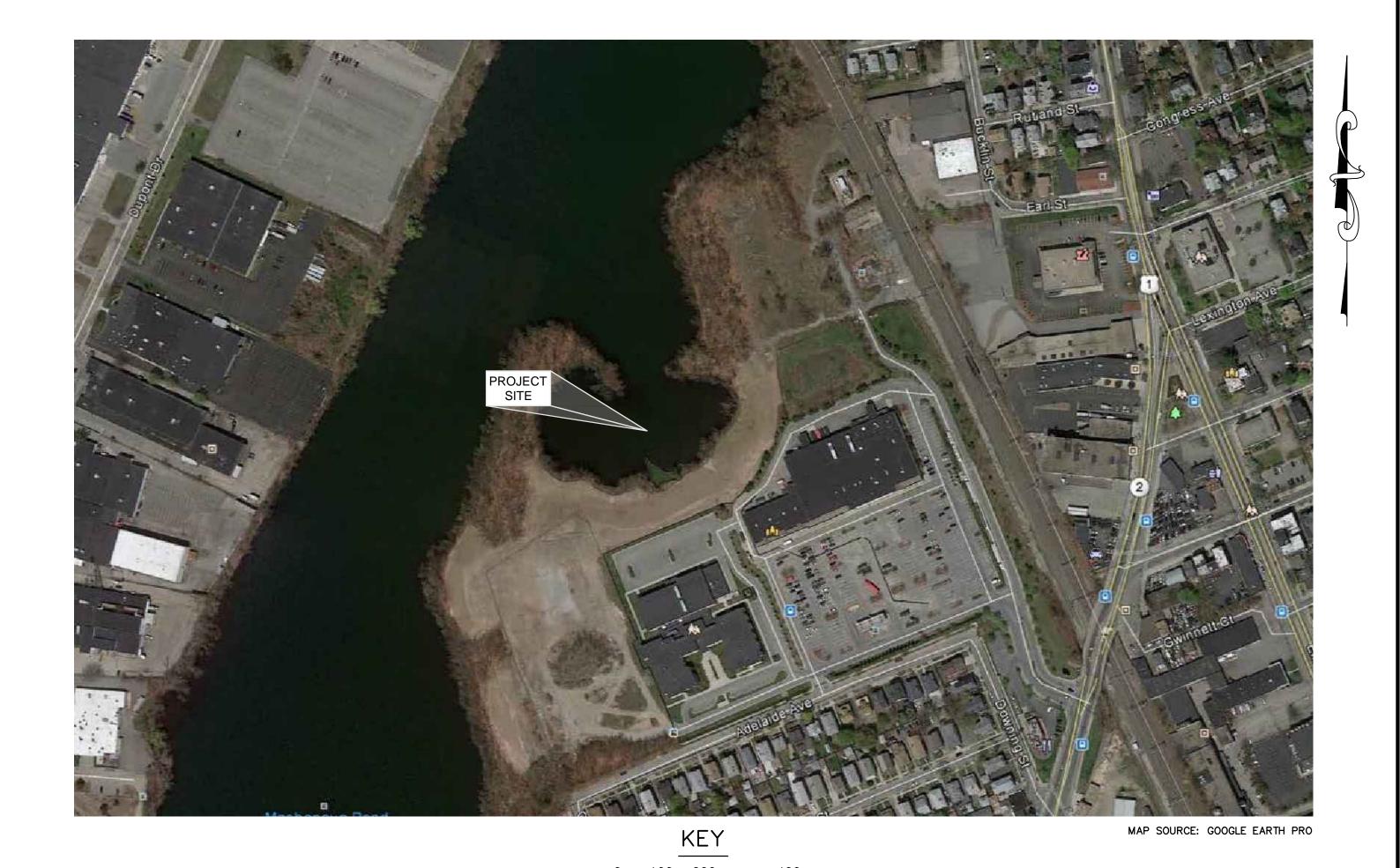
TEXTRON, INC. REMEDIAL ACTION WORK PLAN FORMER GORHAM MANUFACTURING SITE PROVIDENCE, RHODE ISLAND MARCH, 2015





DRAWING INDEX

SHEET NUMBER	DRAWING TITLE	DISCIPLINE NUMBER
	COVER SHEET	G-001
1	GENERAL NOTES, ABBREVIATIONS, AND LEGEND	G-002
2	OVERALL SITE PLAN	V-101
3	DEMOLITION AND EROSION AND CONTROL PLAN, SHEET 1 OF 3	V-102
4	DEMOLITION AND EROSION AND CONTROL PLAN, SHEET 2 OF 3	V-103
5	DEMOLITION AND EROSION AND CONTROL PLAN, SHEET 3 OF 3	V-104
6	PROPOSED SITE PLAN, SHEET 1 OF 3	C-101
7	PROPOSED SITE PLAN, SHEET 2 OF 3	C-102
8	PROPOSED SITE PLAN, SHEET 3 OF 3	C-103
9	DETAILS, SHEET 1 OF 2	C-501
10	DETAILS, SHEET 2 OF 2	C-502

PREPARED FOR:



PREPARED BY:



GENERAL NOTES:

- 1. PLANS HAVE BEEN COMPILED FROM ON-SITE INVESTIGATIONS, GIS, LIDAR AND SURVEY. SEE PLAN REFERENCES FOR FURTHER INFORMATION.
- VERTICAL LAYOUT BASED UPON THE CONTROL DATUM SHOWN ON V-101.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER, INCLUDING DISCREPANCIES TO ANY CODE/REGULATORY REQUIREMENT, PRIOR TO START OF CONSTRUCTION. IF ANY DISCREPANCIES OR PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 4. ALL ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL. STATE, AND FEDERAL JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK, THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. THE WORK SHALL ALSO CONFORM TO ALL APPLICABLE TEXTRON REQUIREMENTS.
- 5. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLETE THE
- 6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONTRACT DOCUMENTS.
- 7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE OWNER, ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT
- 9. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND EQUIPMENT AS SPECIFIED, CONTRACTOR SHALL CLEAN AND SUPPLY A ROLL-OFF CONTAINER OR DUMPSTER TO BE EMPTIED AS NEEDED. CLEANING SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. AT PROJECT COMPLETION, PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM TRASH, DEBRIS, DUST, OR OTHER HAZARDS OF ANY NATURE.
- 10. DISPOSAL OF ALL MATERIALS SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 11. THE CONTRACTOR SHALL COMPLY WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS AS THEY APPLY TO THIS PROJECT. ANY PERSONNEL THAT HAVE THE POTENTIAL TO BE EXPOSED TO HAZARDOUS OR POTENTIALLY HAZARDOUS MATERIALS, SHALL BE TRAINED AND PERFORM ALL WORK IN COMPLIANCE WITH 29 CFR 1910.120, HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE (HAZWOPER).
- 12. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, AND EXISTING FEATURES. PRIOR TO THE START OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER. CONTRACTOR SHALL VERIFY ACTUAL FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL UTILITIES AND SERVICES THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES THROUGHOUT ALL
- 14. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES WITHIN THE PROJECT
- 15. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND PIPING AND STRUCTURES PRIOR TO ANY EXCAVATION ACTIVITIES BY CONTACTING THE CITY OF PROVIDENCE FOR WATER LOCATION AND RHODE ISLAND DIG-SAFE (1-800-DIG-SAFE) (72) HOURS BEFORE STARTING CONSTRUCTION ACTIVITIES FOR FIELD MARKING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES THAT MAY NOT BE MARKED BY THE UTILITY COMPANIES. SUBSURFACE CONDITIONS ARE NOT GUARANTEED. THE CONTRACTOR SHALL REPAIR CONTRACTOR-CAUSED DAMAGE ACCORDING TO LOCAL STANDARDS AT CONTRACTOR'S EXPENSE.
- 16. UNLESS OTHERWISE NOTED, ALL EXISTING FEATURES DESIGNATED ON THE PLANS ARE TO REMAIN. INCLUDING, BUT NOT LIMITED TO, TREES, SIGNS, FENCING/GATES, AND SIGN POSTS. FEATURES SHALL BE VERIFIED, LOCATED AND PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- 17. THE SITE IS ADJACENT TO AN ACTIVE NEIGHBORHOOD, HIGH SCHOOL, AND RETAIL CENTER WHICH WILL BE OPERATIONAL DURING CONSTRUCTION. ALL CONSTRUCTION ACTIVITIES MUST BE COMPLETED WITH RESPECT TO THE ONGOING ACTIVITIES OF THE SURROUNDING AREAS. ACCESS ROADWAYS SHALL REMAIN OPEN AND FREE OF DEBRIS AT ALL TIMES
- 18. ALL ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT SOIL EROSION AND SEDIMENT CONTROL PLAN. RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND THE RHODE ISLAND POLLUTION DISCHARGE ELIMINATION SYSTEM (RIPDES), CONSTRUCTION GENERAL PERMIT.
- 19. CONTRACTOR SHALL LIMIT ALL CONSTRUCTION ACTIVITIES TO LIMITS OF DISTURBANCE. AS SHOWN AND REQUIRED TO REACH ALL SOIL REMOVAL AREAS SHOWN ON SHEET V-101.
- 20. PLACING OF TOPSOIL AND HYDROSEEDING SHALL NOT OCCUR UNTIL AUTHORIZED BY THE ENGINEER.
- 21. BACKFILL MATERIALS AND COMPACTION REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE
- 22. ALL ROADWAYS AND BUILDINGS SHALL BE MAINTAINED AND PROTECTED AS DESCRIBED IN THE SPECIFICATIONS. DAMAGED AND REMOVED SECTIONS OF ROADWAY SHALL BE REPLACED IN KIND, AND AT CONTRACTOR'S EXPENSE IF NOT PART OF THE WORK.
- 23. DISTURBED AREAS SHALL BE PLANTED AND SEEDED AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- 24. THE CONTRACTOR SHALL REPORT TO THE CLIENT OR THE ENGINEER ALL SPILLS AND LEAKS OF OIL OR OTHER HAZARDOUS SUBSTANCES (E.G., OIL, ANTIFREEZE, CHEMICALS, ETC.) OCCURRING DURING THE PERFORMANCE OF THIS CONTRACT IMMEDIATELY UPON DISCOVERY, REGARDLESS OF THE QUANTITY.
- 25. THE CONTRACTOR SHALL PREVENT DEBRIS FROM ENTERING ALL SWALES, INLETS, AND BASINS. PROVIDE AND MAINTAIN INLET PROTECTION FOR THE DURATION OF THE WORK. CLEAN ALL STRUCTURES AT THE COMPLETION OF THE WORK.
- 26. CONTRACTOR SHALL PROVIDE A FULL SET OF AS-BUILT DRAWINGS TO THE OWNER AT THE COMPLETION OF THE PROJECT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- 27. ELEVATED CONCENTRATIONS OF PAHs, METALS AND DIOXINS EXIST IN SURFACE SOILS WITHIN THE PROPOSED CONSTRUCTION LAYDOWN/STAGING/DECONTAMINATION AREAS. CONTRACTOR SHALL PERFORM DECONTAMINATION ACTIVITIES IN ACCORDANCE WITH THE SPECIFICATIONS. ALL MATERIAL STAGED WITHIN THESE AREAS MUST BE SEGREGATED SUCH THAT THERE IS NO CROSS CONTAMINATION.
- 28. CONTRACTOR TO PROVIDE DEWATERING AND SHORING DESIGN TO THE ENGINEER FOR APPROVAL FOR THE REMEDIATION ON THE INNER COVE.
- 29. CONTRACTOR SHALL REMOVE ORGANIC SEDIMENT FROM THE INNER COVE DOWN TO THE SANDY/GRAVEL MATERIAL TO A MAXIMUM DEPTH OF 2 FEET.

GRADING, DRAINAGE, AND EROSION CONTROL NOTES:

- 1. NO VEGETATION SHALL BE DISTURBED EXCEPT AS NOTED HEREON OR AS NECESSARY FOR GRADING PURPOSES AND ONLY AS APPROVED BY THE ENGINEER. NO HEAVY EQUIPMENT SHALL BE OPERATED OR STORED AND NO MATERIALS SHALL BE HANDLED OR STORED WITHIN THE DRIP LINES OF UNDISTURBED TREES OR WITHIN 50 FEET FROM THE LIMIT OF WETLANDS AND/OR MASHAPAUG POND.
- 2. ALL DISTURBED AREAS WHICH ARE FINISH GRADED WITH NO FURTHER CONSTRUCTION TO TAKE PLACE SHALL BE STABILIZED WITH SEED AND MULCH WITHIN 7 CALENDAR DAYS AFTER GRADING IS COMPLETE. AREAS WHICH ARE NOT TO FINAL GRADE BUT WILL NOT BE REWORKED FOR 21 DAYS MUST BE TEMPORARILY SEEDED AND MULCHED WITHIN 14 CALENDAR DAYS.
- 3. CONSTRUCT TEMPORARY EROSION CONTROL AS SHOWN ON THE DRAWINGS PRIOR TO STARTING WORK. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION. WHEN LAND IS EXPOSED DURING CONSTRUCTION, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS.
- 4. ALL DRAINAGE STRUCTURES (INCLUDING SWALES) IMPACTED BY THE CONTRACTOR'S ACTIVITIES SHALL BE INSPECTED WEEKLY AND DAILY DURING STORM EVENTS. INLET PROTECTION DEVICES SHOULD BE CLEANED OR REMOVED AND REPLACED BEFORE SIX INCHES OF SEDIMENT CAN ACCUMULATE.
- 5. SILT FENCE AND AUGMENTED SILT FENCE SHALL BE INSTALLED AND MAINTAINED WHERE SHOWN. ADDITIONAL PERIMETER CONTROLS SHALL BE ADDED AS REQUIRED BY THE ENGINEER PRIOR TO ANY ON SITE DISTURBANCE OF EXISTING SURFACE MATERIAL. SILT FENCE SHALL BE MAINTAINED DURING AND AFTER CONSTRUCTION TO REMOVE SEDIMENT FROM RUNOFF WATER AND FROM LAND UNDERGOING CONSTRUCTION. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN ITS DEPTH REACHES 50% OF THE HEIGHT OF THE FENCE. WHERE POSSIBLE, NATURAL DRAINAGE WAYS SHOULD BE UTILIZED AND LEFT OPEN TO REMOVE CLEAN EXCESS SURFACE WATER.
- ALL LOCATIONS OF TEMPORARY EROSION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENT AS REQUIRED BY THE ENGINEER, AND SHALL BE REPLACED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 7. TEMPORARY EROSION AND SEDIMENT CONTROL BMPS (INCLUDING ALL CONSTRUCTION ENTRANCES) SHALL BE REMOVED WITHIN 30 CALENDAR DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED AS DETERMINED BY THE ENGINEER. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED (80% VEGETATION DENSITY).
- 8. REPLACE DAMAGED SILT BARRIERS AS REQUIRED BY THE ENGINEER AND IN ACCORDANCE WITH THE
- 9. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND INVERTS PRIOR TO BEGINNING WORK.
- 10. EXISTING CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF FIELD SURVEY, GIS AND LIDAR DATA. SHOULD THE CONTRACTOR HAVE ANY QUESTIONS OF THEIR INTENT OR ANY PROBLEMS WITH CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED PRIOR TO BEGINNING WORK.
- 11. STABILIZE ALL STOCKPILES AND ALL OTHER AREAS OF THE SITE THAT SHALL REMAIN UNDISTURBED FOR 14 CALENDAR DAYS OR MORE
- 12. CONTRACTOR SHALL NOT LEAVE ANY OPEN HOLES WITH A DROP GREATER THAN 12" OVERNIGHT
- 13. STORMWATER DRAINAGE SHALL BE CONTROLLED ONSITE, SUCH THAT THERE IS NO CHANNELIZED FLOW OF RUNOFF TOWARDS THE POND.
- 14. STABILIZED CONSTRUCTION EXITS SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS AND WHEREVER CONSTRUCTION TRAFFIC ENTERS AND LEAVES THE SITE. EXISTING CONSTRUCTION EXITS SHALL BE INSPECTED AND MAINTAINED TO REFLECT REQUIREMENTS AS STATED IN THE CONTRACT DOCUMENTS.
- 15. THE EROSION CONTROL DEVICES SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THE CONTRACT DOCUMENTS REPRESENT THE MINIMUM REQUIRED FOR EROSION CONTROL. THE CONTRACTOR SHALL ADD TO THESE DEVICES ANY AND ALL MEASURES AS REQUIRED BY THE ENGINEER TO EFFECTIVELY PREVENT EROSION AND MIGRATION OF SEDIMENT FROM THE WORK AREA.
- 16. ALL SURFICIAL FILL MATERIALS TO BE CONSOLIDATED SHALL ONLY BE STOCKPILED WITHIN THE PROPOSED LIMITS OF CAPPING. NO IMPACTED MATERIALS SHALL BE STOCKPILED OUTSIDE THE PROPOSED LIMITS OF
- 17. ALL INTERNAL HAUL TRUCKS CONSOLIDATING IMPACTED MATERIAL SHALL BE DECONTAMINATED PRIOR TO ACCESSING CLEAN AREAS WITHIN THE SITE.
- 18. PRIVACY PANELS SHALL BE INSTALLED AND MAINTAINED ALONG THE PERIMETER CHAIN LINK FENCE AS SHOWN IN THE CONTRACT DOCUMENTS TO MINIMIZE DUST DISTURBANCE TO THE SURROUNDING
- 19. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER AND BELOW ALL PROPOSED STORMWATER MANAGEMENT DISCHARGES.

PLAN REFERENCES:

- 1. PLAN PREPARED BY THE U.S. ARMY CORPS OF ENGINEERS, ENTITLED 'SEWER SYSTEM' DATED SEPTEMBER 1943 AND REVISED OCTOBER 1943 (AS-BUILT) ORIGINAL SCALE: 1" = 100'
- 2. SELECTED SITE FEATURES DIGITIZED FROM DIVERSIFIED TECHNOLOGY CONSULTANTS' FIGURE 7 TITLED 'BATTERY HAMILTON AND BORING/SAMPLING LOCATIONS' DATED AUGUST 8, 1999 FROM THE 'RESEARCH AND ASSESSMENT STUDY' DATED OCTOBER 2000.
- 3. WETLAND DELINEATION COMPLETED BY VANASSE HANGEN BRUSTLIN, INC. (VHB) ON MAY 2004.
- 4. WETLAND DELINEATION REVIEWED IN THE FIELD BY RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AUGUST 2011.
- 5. TOPOGRAPHIC (1-FOOT CONTOURS) AND LOCATION SURVEY COMPLETED BY CABCO CONSULT, INC. TITLED 'TOPOGRAPHIC PLAN OF LAND' DATED MAY 24, 2007.
- 6. PARCEL B TOPOGRAPHY AND FIELD SURVEY COMPLETED BY EDWARD ROWSE ARCHITECTS TITLED 'PROVIDENCE HIGH SCHOOL, GORHAM MILLS, PROVIDENCE RHODE ISLAND, SITE PLAN DATED 2007.
- 7. PARCEL A TOPOGRAPHY AND FIELD SURVEY COMPLETED BY VANASSE HANGEN BRUSTLIN, INC. (VHB) TITLED 'RETAIL DEVELOPMENT SITE PLAN' DATED 2001.
- 8. BATHYMETRIC CONTOURS OF MASHAPAUG COVE AND MASHAPAUG POND COMPLETED BY TG&B MARINE ON DECEMBER, 2011.

SUGGESTED CONSTRUCTION SEQUENCE:

- ESTABLISH VERTICAL AND HORIZONTAL CONTROL
- 2. INSTALL EROSION AND SEDIMENTATION CONTROL DEVISES AS SHOWN AND AS REQUIRED PRIOR TO SITE DISTURBANCE.
- 3. CLEAR AND GRUB TO THE LIMITS SHOWN ON THE PLANS AS DEPICTED BY THE 'LIMIT OF DISTURBANCE' LINE.

- 1. REGRADE EXISTING SOILS TO PREPARE THE SUBGRADE ELEVATIONS AS SHOWN.
- 2. INSTALL CAPPING MATERIALS FOR COMPLETION OF THE PARCEL C-1 UPLAND SOIL
- 3. SEED AND STABILIZE THE PARCEL C CAP.

INNER COVE

- 1. PREPARE PARCEL C-1 UPLAND AREA FOR SEDIMENT PROCESSING.
- 2. INSTALL DEWATERING SYSTEM (PER CONTRACTOR APPROVED DEWATERING METHOD).
- 3. INSTALL GRAVEL ACCESS ROAD TO INNER COVE.
- 4. COMPLETE INNER COVE REMOVAL OF IMPACTED SEDIMENTS.
- COMPLETE PROCESSING/DEWATERING/STABILIZATION OF DREDGED SEDIMENT.
- CONSOLIDATE PROCESSED SEDIMENT WITHIN PROPOSED LIMITS AS SHOWN.
- INSTALL CAPPING MATERIALS FOR COMPLETION OF THE INNER COVE SEDIMENT SOIL

8. INSTALL CAPPING MATERIALS FOR COMPLETION OF THE CONSOLIDATED SEDIMENT

9. SEED AND STABILIZE THE CONSOLIDATED SEDIMENT CAP.

ABBREVIATIONS:

APPROX

BLDG

BMPs

CONC

ELEV

GPM

HDPE

MAX

NTS

OD

- REMOVE ALL INNER COVE SEDIMENT DEWATERING AND PROCESSING MATERIALS.
- 2. REGRADE EXISTING SOILS TO PREPARE THE SUBGRADE ELEVATIONS AS SHOWN.
- 3. INSTALL CAPPING MATERIALS FOR COMPLETION OF THE PARCEL C-1 SOIL CAP
- 4. SEED AND STABILIZE THE PARCEL C-1 CAP.

APPROXIMATELY

BEST MANAGEMENT PRACTICES

BUILDING

CAST IRON

CONCRETE

DIAMETER

DIAMETER

ELEVATION

FEET

INCHES

LINEAR FEET

MAXIMUM

MANHOLE

MINIMUM

NORTHEAST

NOT TO SCALE

NORTHWEST

OUNCE

MONITORING WELL

NORTHING, NORTH

OUTSIDE DIAMETER

PARTS PER MILLION

SOUTH, SLOPE SOIL BORING SOUTHEAST SQUARE FEET SOUTHWEST

TYPICAL

POLYVINYL CHLORIDE

REINFORCED CONCRETE

EASTING, EAST

GALLONS PER MINUTE

HIGH DENSITY POLYETHYLENE

IDENTIFICATION, INSIDE DIAMETER

CATCH BASIN

CENTER LINE

SITE RESTORATION AND CLEAN-UP

GENERAL LEGEND:

1FT EXISTING CONTOUR

EXISTING LIMIT OF TREE LARGE DIAMETER TREE WITH

NUMERICAL DESIGNATION

LIMIT OF WETLAND —···—···— FDGF OF WATER

—-—-- 50' PERIMETER WETLAND LINE

---- EXISTING PAVEMENT ---- EXISTING LIMIT OF SURFICIAL FILL

------ PROPERTY LINE

EXISTING TURBIDITY CURTAIN EXISTING DRAIN LINE



EXISTING MONITORING WELL

EXISTING SURFACE WATER AND

SEDIMENT SAMPLE LOCATION

EXISTING WELLS TO BE SAMPLED

EXISTING WELL TO BE ABANDONED — x — x — EXISTING FENCE TO BE REMOVED

WETLAND FLAG



— x — x — EXISTING FENCE

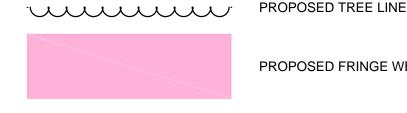
EXISTING SOIL CAF

PROPOSED 1FT CONTOUR PROPOSED 5FT CONTOUR **TC**———— PROPOSED TURBIDITY CURTAIN PROPOSED LIMIT OF DISTURBANCE

—SF—SF—SF— PROPOSED SILT FENCE

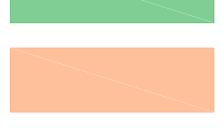
PROPOSED AUGMENTED SILT FENCE — ASF ——— PROPOSED GRAVEL ACCESS PROPOSED EDGE OF GRAVEL

PROPOSED LIMIT OF CAPPING SYSTEM PROPOSED MONITORING WELL



PROPOSED FRINGE WETLAND TOE CAP

PROPOSED PERIMETER WETLAND CAP





PROPOSED UPLAND CAP

PROPOSED EROSION CONTROL MATTING

HECKED BY

DRAWING NUMBER

SHEET NUMBER:

SCALE

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G-002

OF 10

AMEC FOSTER WHEELER

ENVIRONMENT & INFRASTRUCTURE, IN

271 MILL ROAD

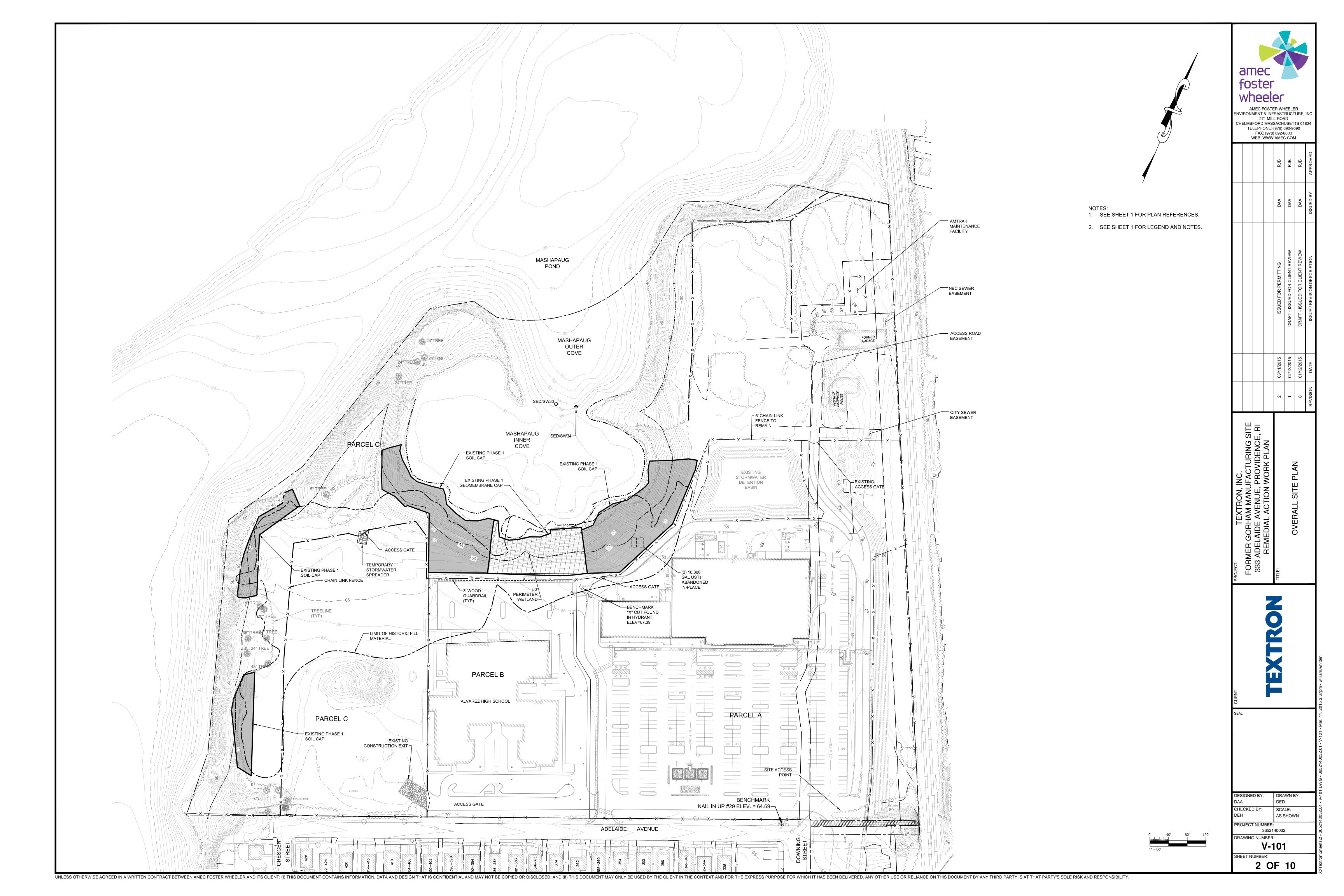
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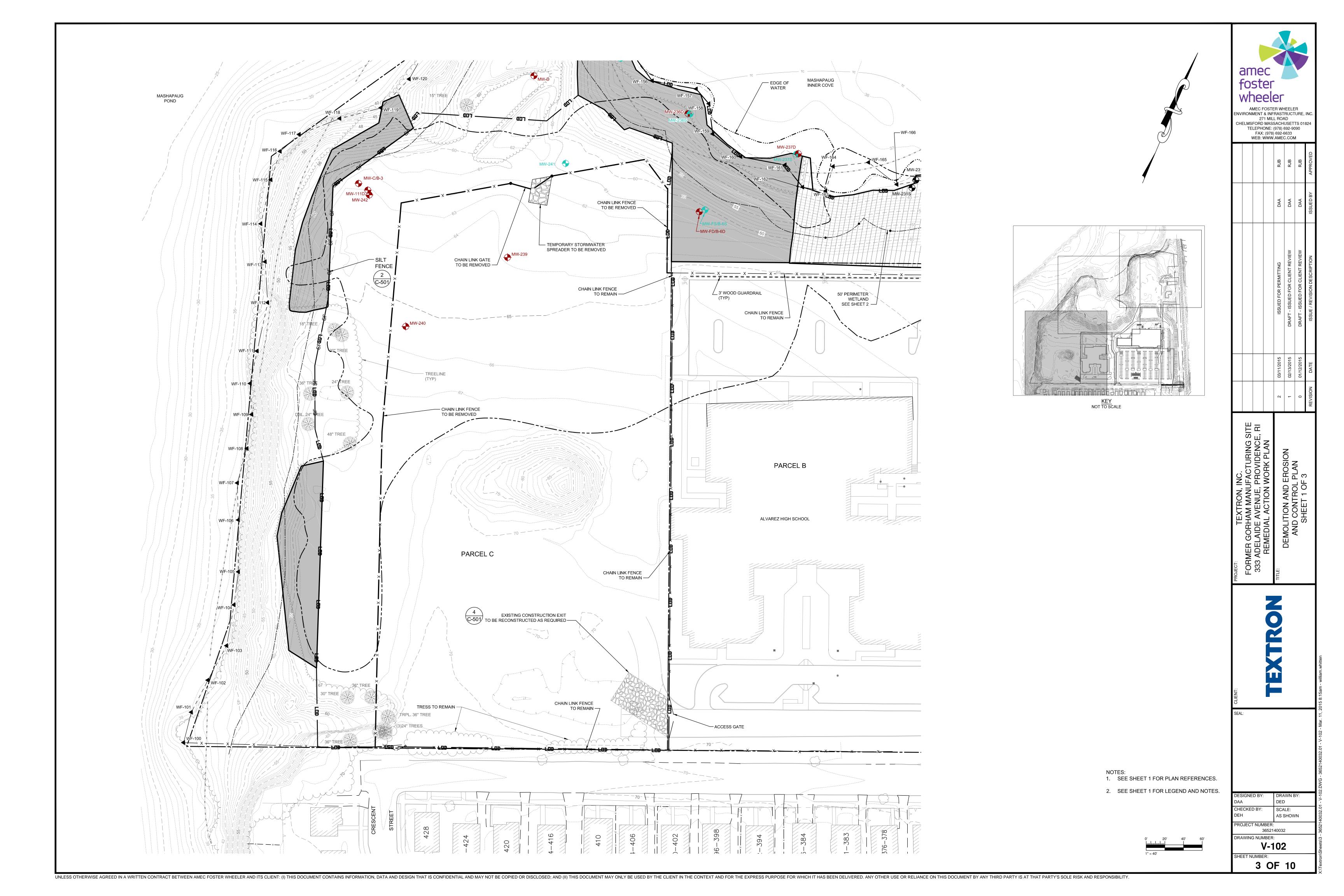
TELEPHONE: (978) 692-9090

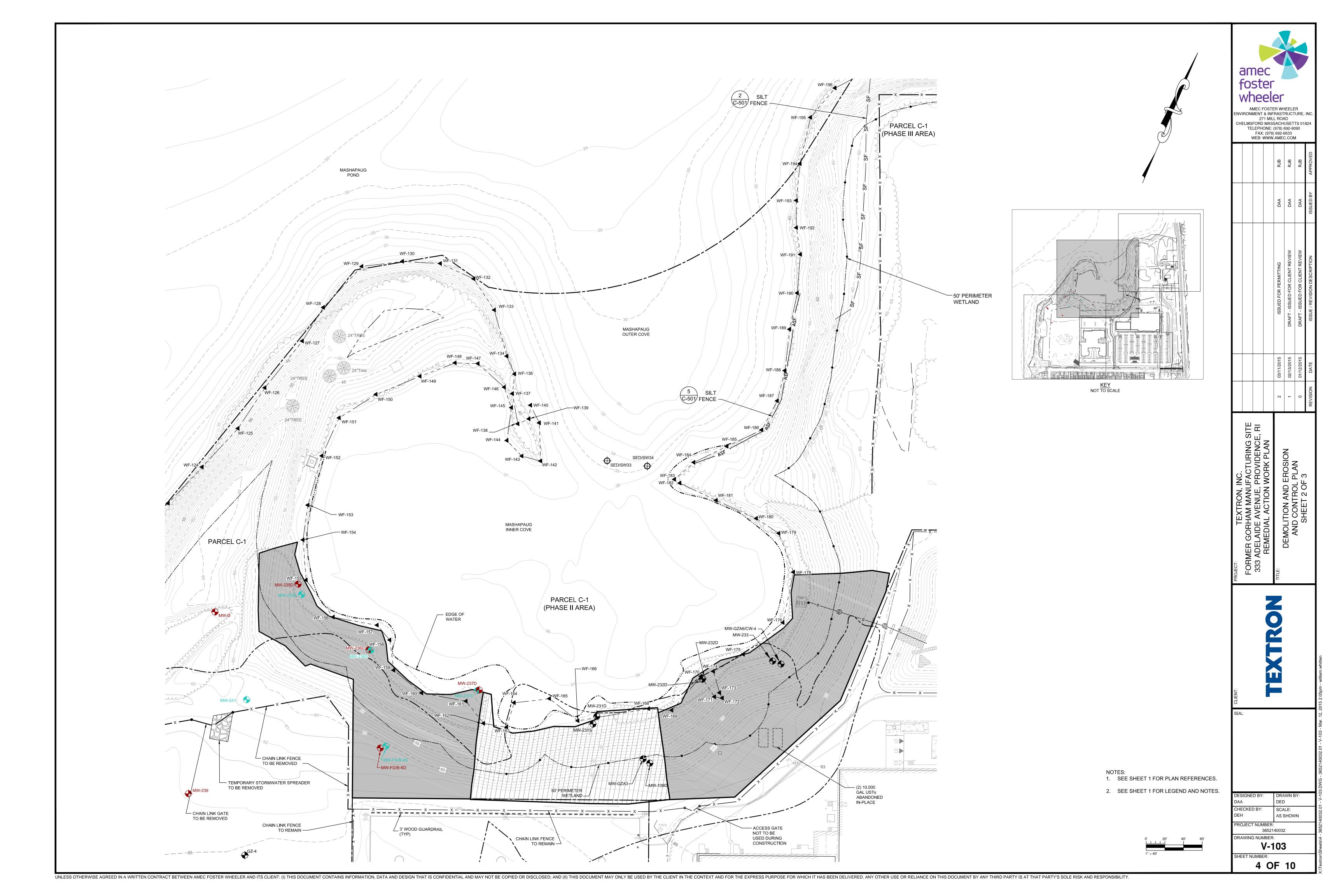
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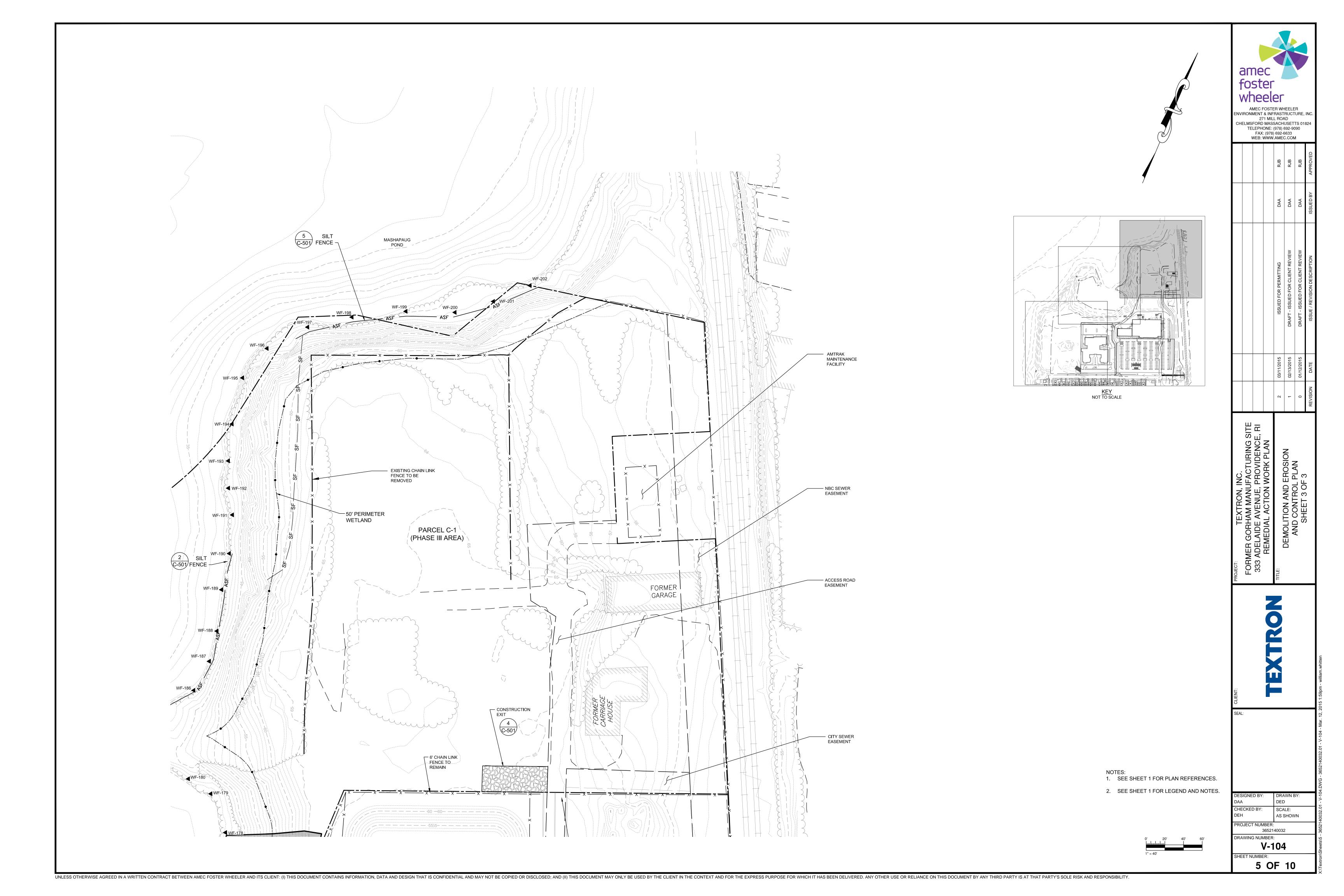
WEB: WWW.AMEC.COM

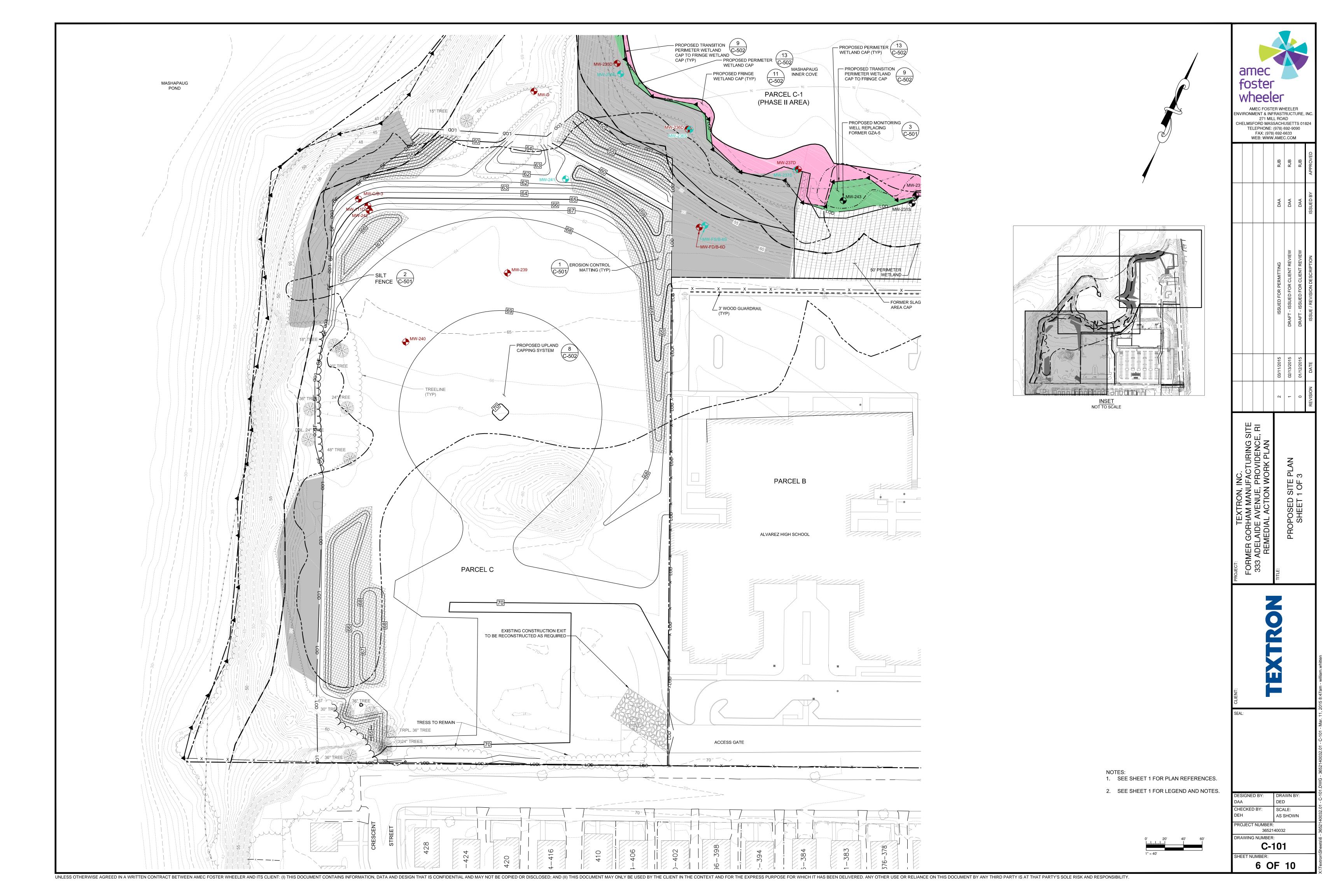
UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN AMEC FOSTER WHEELER AND ITS CLIENT: (I) THIS DOCUMENT WAY ONLY BE USED BY THE CLIENT IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT HAS BEEN DELIVERED. ANY OTHER USE OR RELIANCE ON THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK AND RESPONSIBILITY.

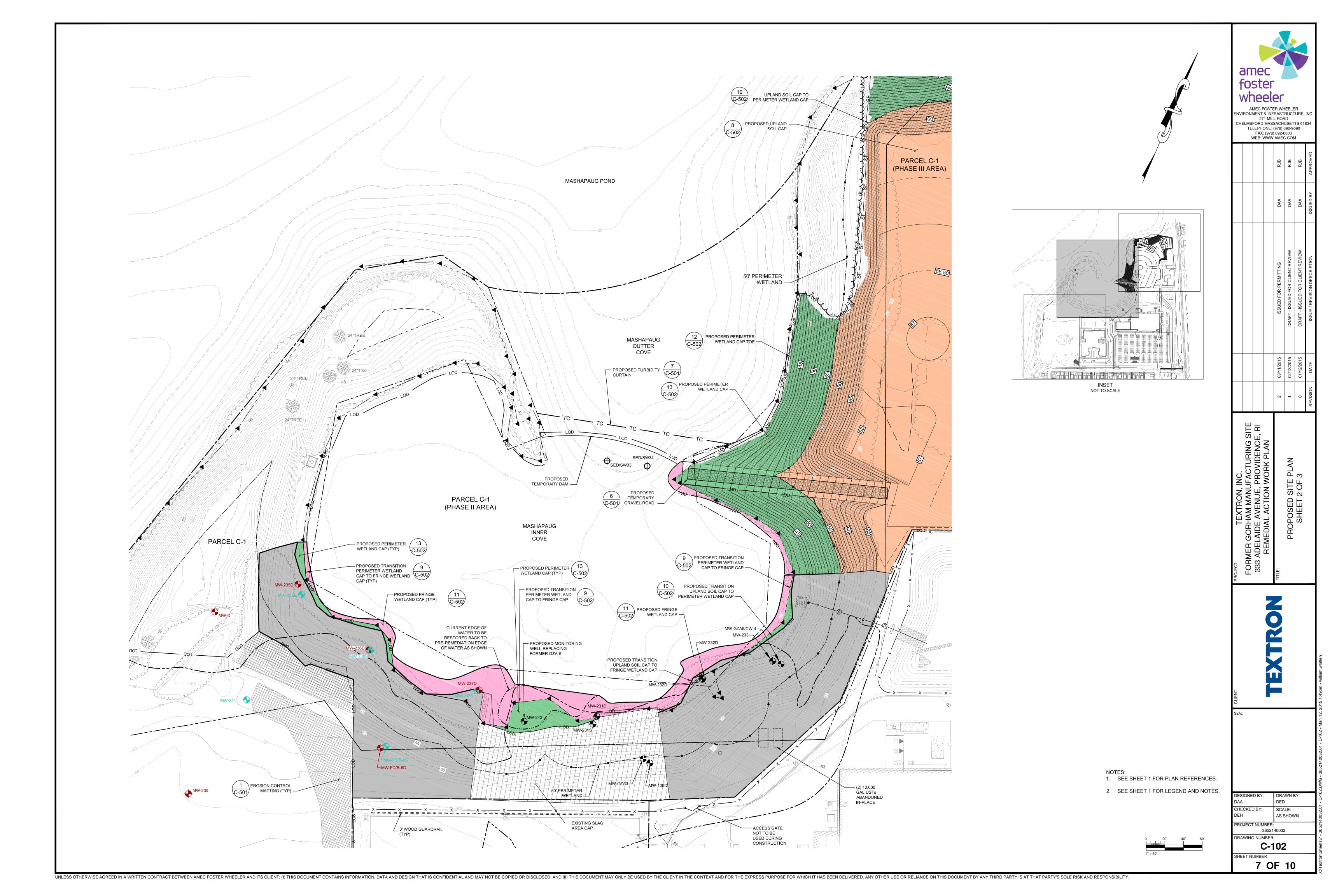


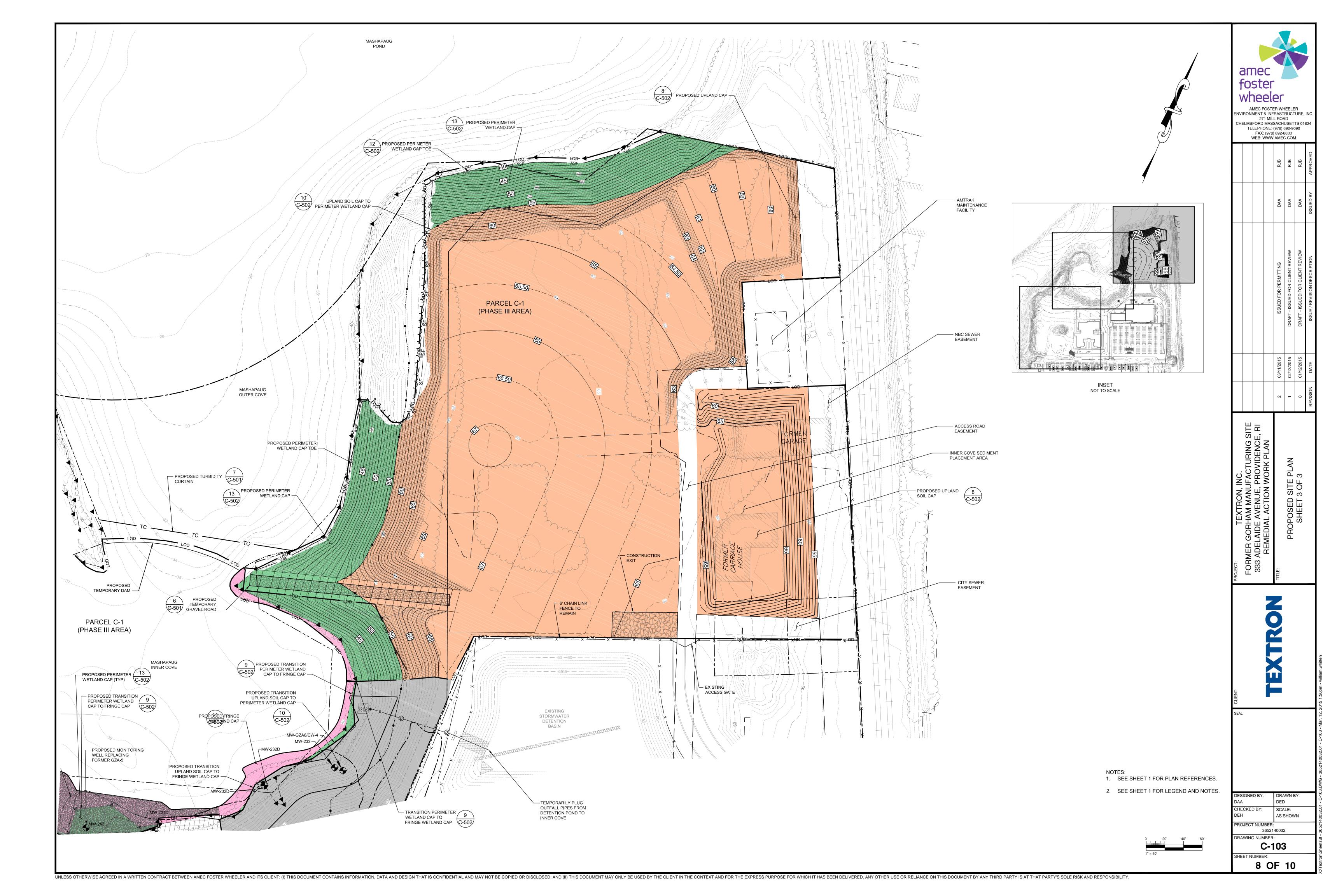


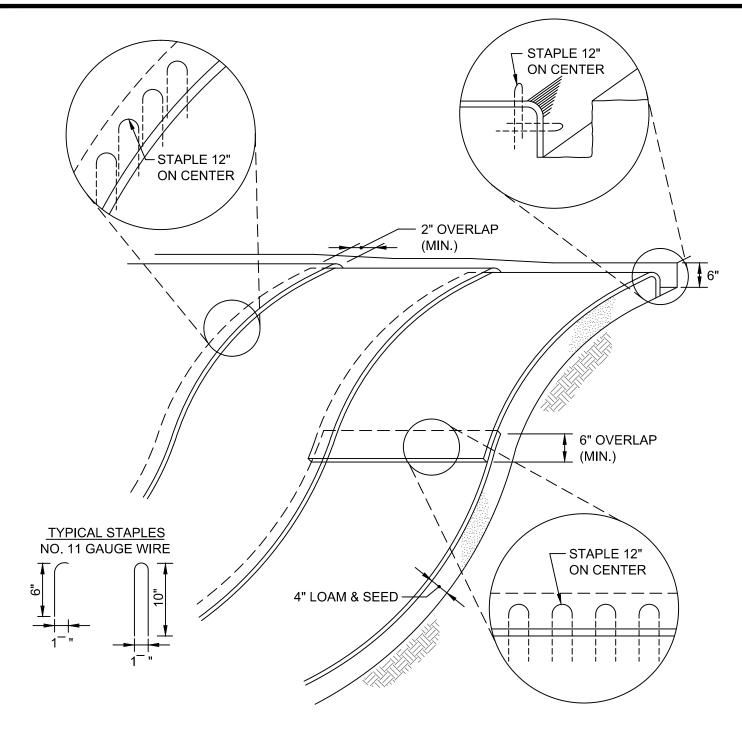












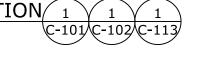
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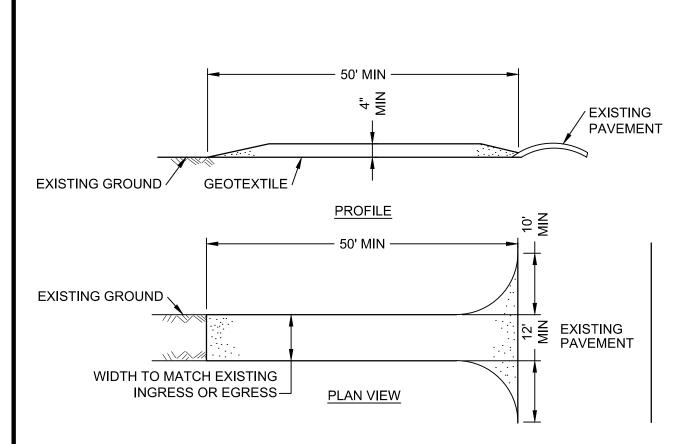
NTS

INCH DEEP TRENCH.

- 1. BEGIN AT THE TOP OF MATTING INSTALLATION AREA BY ANCHORING MATTING IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
- 2. ROLL THE MATTING DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
- 3. THE EDGES OF MATTINGS MUST BE STAPLED WITH A MINIMUM OF 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
- 4. WHEN MATTINGS MUST BE SPLICED DOWN THE SWALE, PLACE MATTING END OVER END WITH 6 INCH (MIN.) OVERLAP AND ANCHOR DOWN SLOPE MATTING IN A 6

EROSION CONTROL MATTING SLOPE INSTALLATION

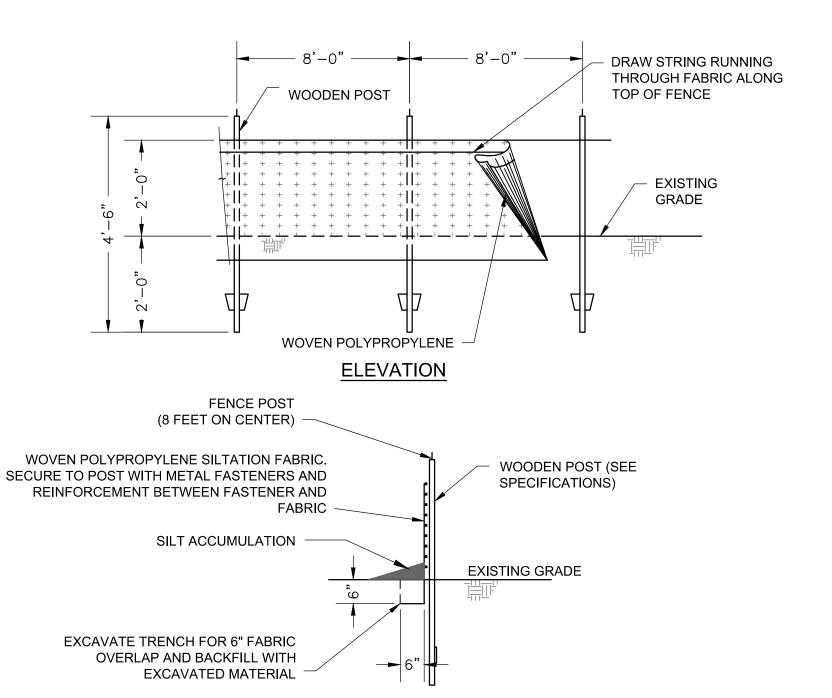




CONSTRUCTION SPECIFICATIONS:

- 1. STONE SIZE USE 2 INCH CRUSHED STONE OR GRAVEL.
- 2. LENGTH NOT LESS THAN 50 FEET. 3. THICKNESS - NOT LESS THAN FOUR (4) INCHES.
- 4. WIDTH TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FEET IF SINGLE ENTRANCE TO
- 5. GEOTEXTILE WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A
- MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED. 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

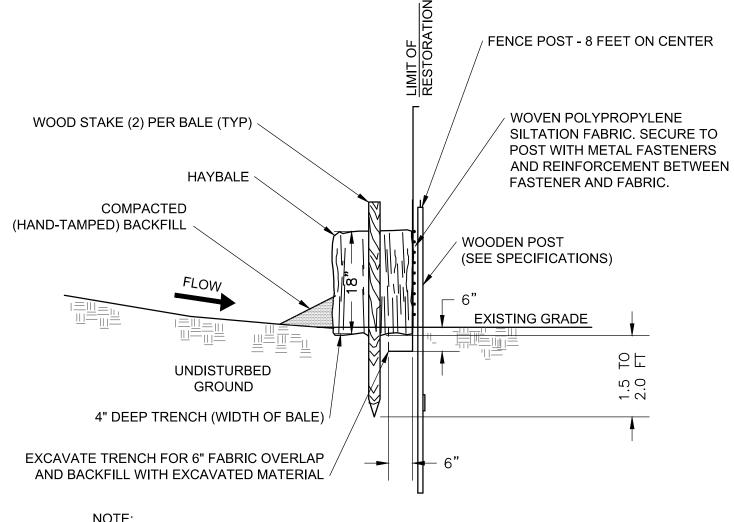
STABILIZED CONSTRUCTION ENTRANCE NTS



WHERE REQUIRED AS SHOWN ON THE DRAWINGS. SILTATION FENCE REINFORCED WITH HOG OR CHICKEN WIRE OR INTEGRAL PLASTIC MESH REINFORCING MAY BE USED.

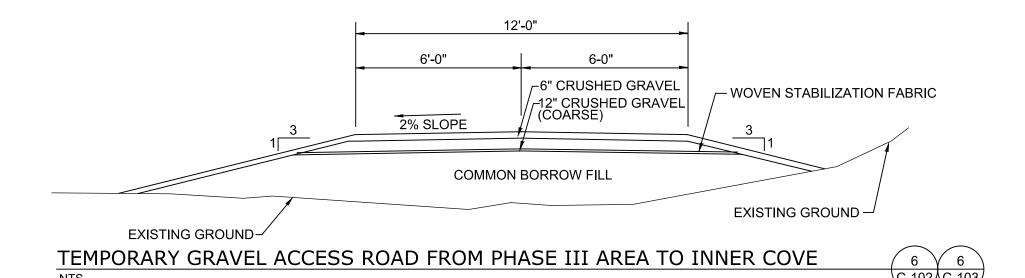
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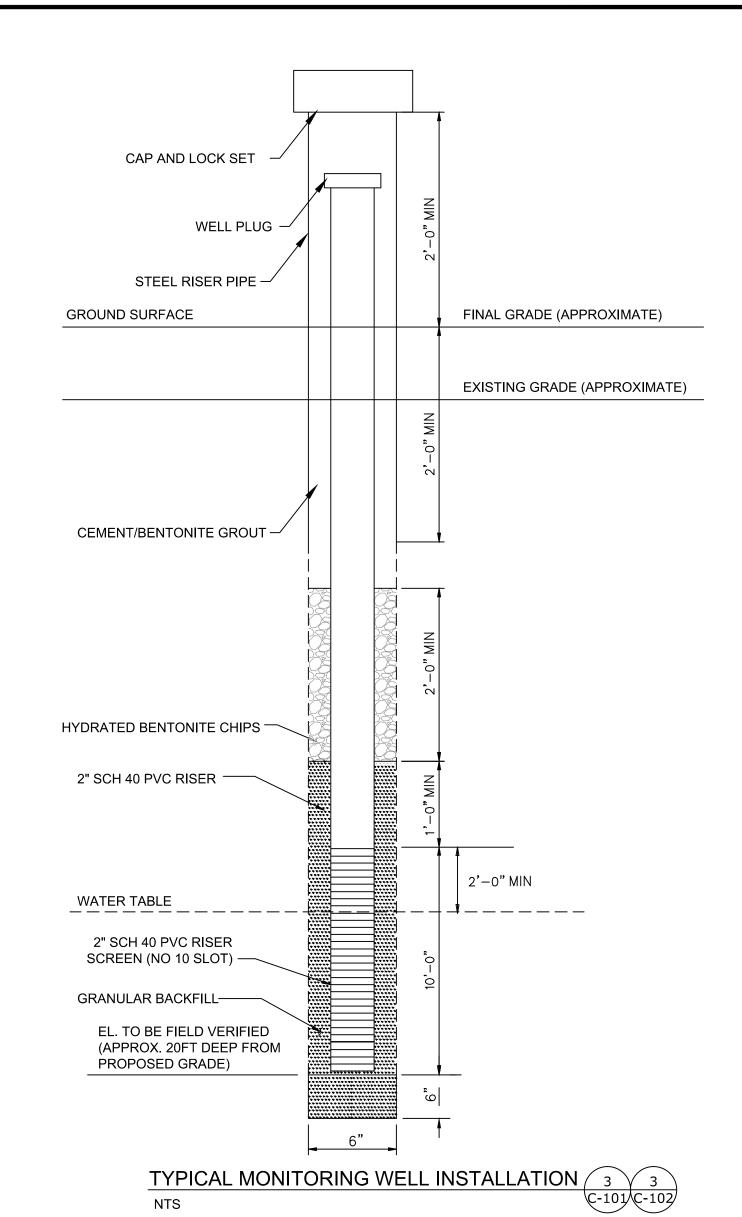


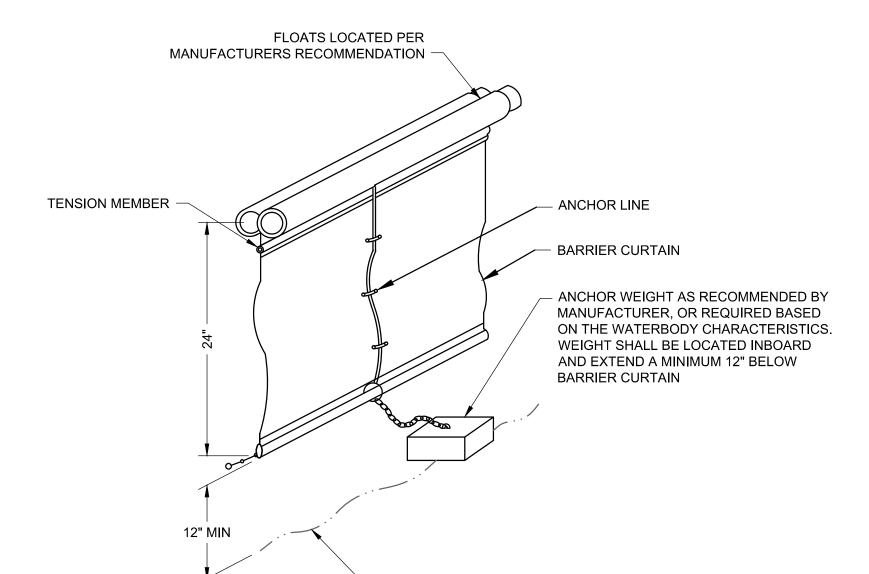


AUGMENTED SILTATION FENCE SHALL BE USED AT LOCATIONS AS SHOWN ON

AUGMENTED SILTATION FENCE







NOTES:

1. THE TURBIDY CURTAIN SHALL BE DEPLOYED PRIOR TO DISTURBING THE WATERBODY BANK SOILS.

POND BOTTOM

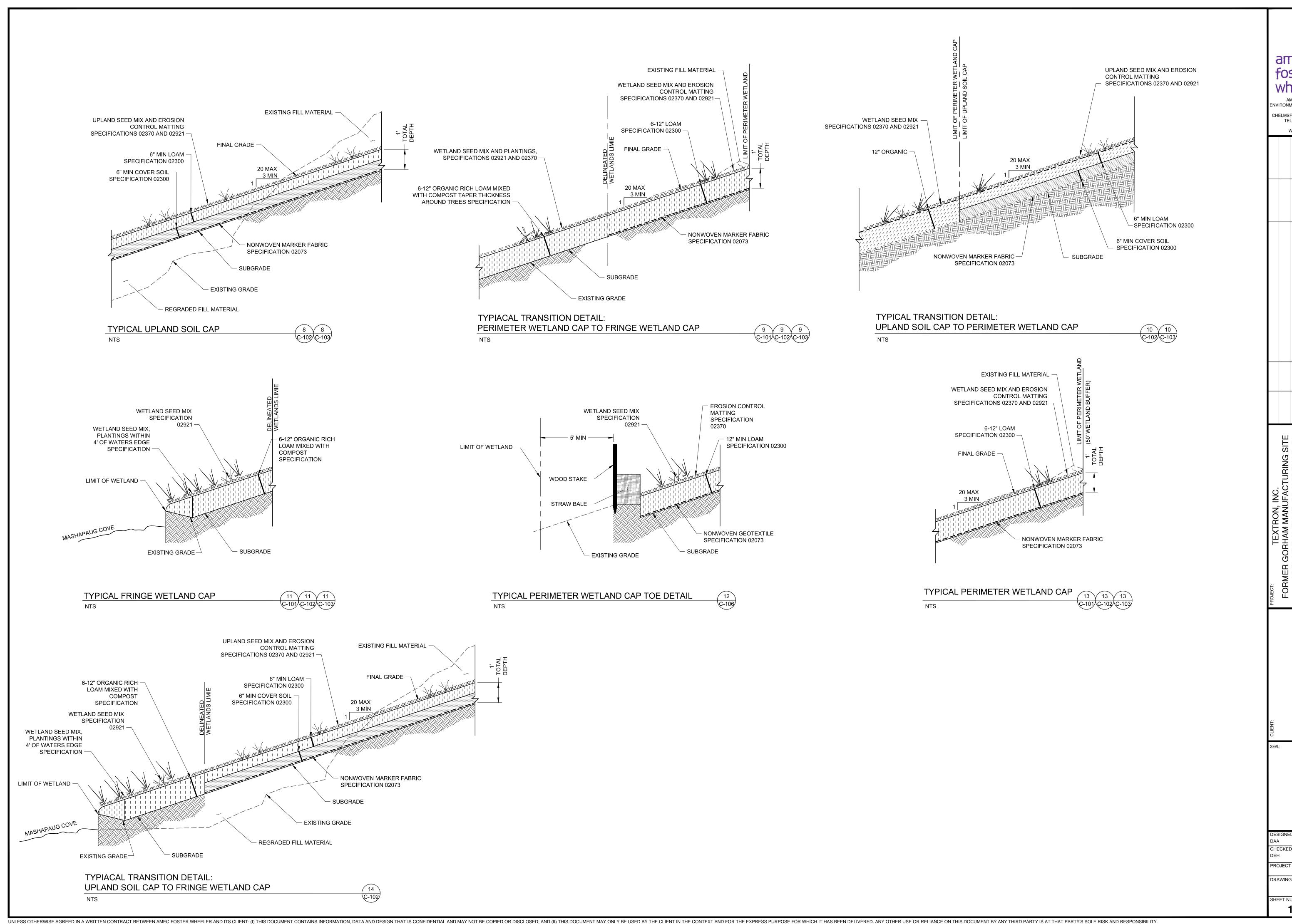
2. THE TURBIDITY CURTAIN SHALL WITHSTAND THE WATERBODY FLOW CHARACTERISTICS.

TURBIDITY CURTAIN DETAIL

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AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC 271 MILL ROAD CHELMSFORD MASSACHUSETTS 01824 TELEPHONE: (978) 692-9090 FAX: (978) 692-6633 WEB: WWW.AMEC.COM

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