

BELLEVUE POND DAM

PROPOSED ENGINEERING SERVICES FOR BELLEVUE POND DAM MEDFORD, MA

PROJECT OWNER

MA DEPARTMENT OF CONSERVATION & RECREATION
251 CAUSEWAY STREET
BOSTON, MA 02114

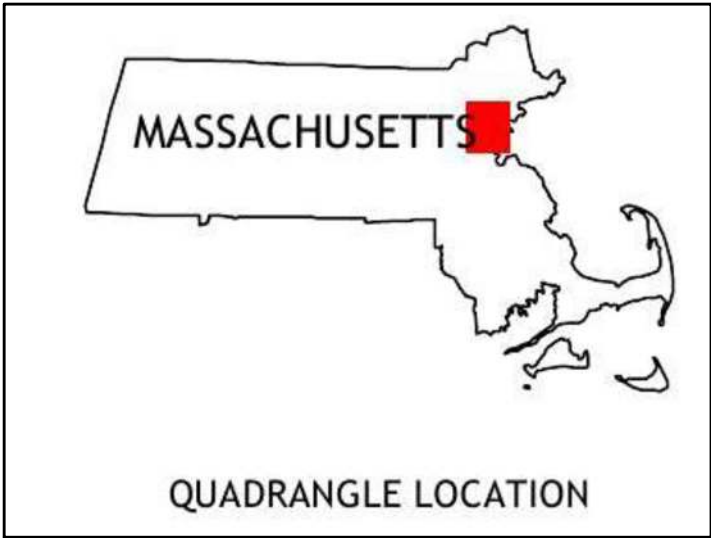
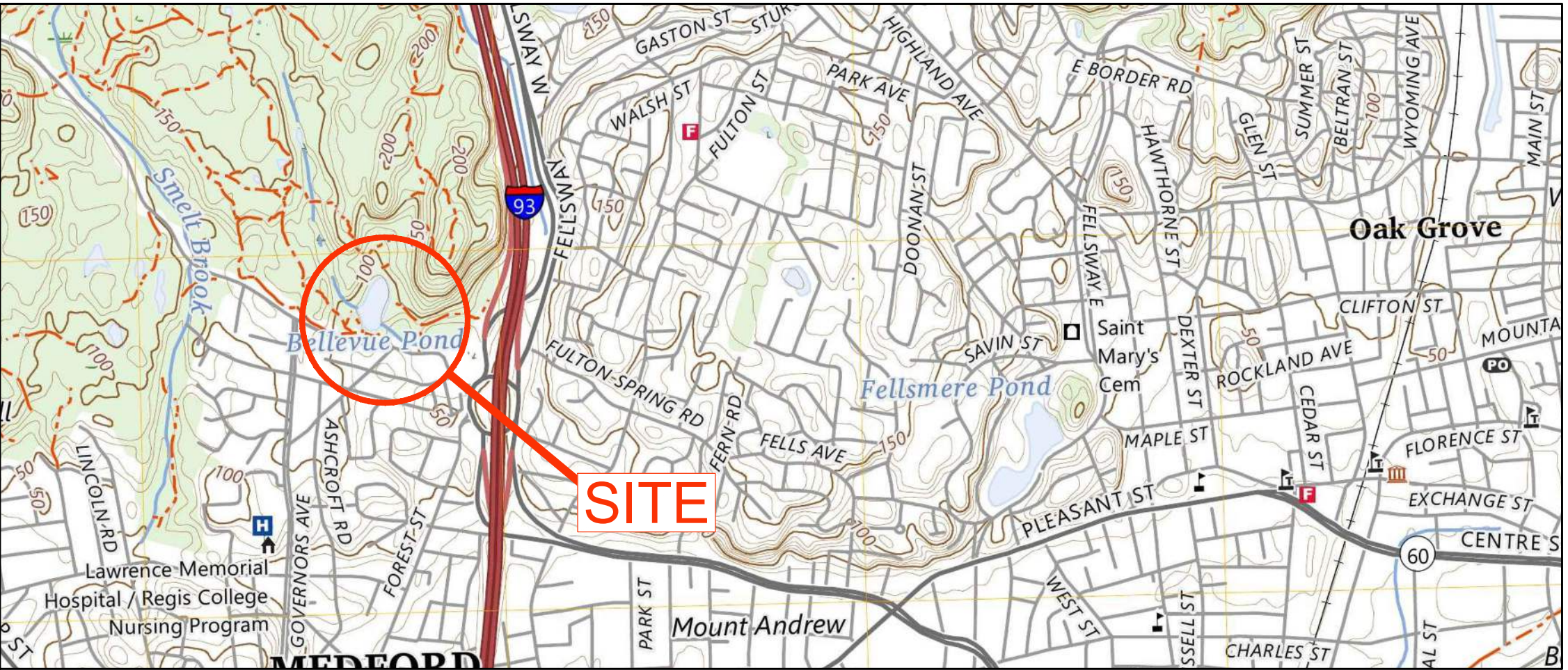
PROJECT ENGINEER



GZA GEOENVIRONMENTAL, INC.
144 ELM STREET
AMESBURY, MASSACHUSETTS 01913



CONTRACTOR MUST NOTIFY DIG-SAFE
AT 811 OR 888-344-7233 AT LEAST 72
HOURS PRIOR TO ANY CONSTRUCTION



PROJECT LOCUS MAP

SOURCE: USGS TOPOGRAPHIC QUADRANGLES
SCANNED BY MASSGIS

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FOR BIDDING

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BELLEVUE POND DAM MEDFORD, MASSACHUSETTS			
COVER SHEET			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION 251 CAUSEWAY STREET BOSTON, MASSACHUSETTS	
PROJ MGR: JR	DESIGNED BY: JR	REVIEWED BY: ABB	CHECKED BY: JJZ
DATE: AUGUST 2026	DRAWN BY: AJP/ZJT	PROJECT NO. 01.0174913.10	SCALE: AS SHOWN
REVISION NO. -			DRAWING 1 SHEET NO. 1 OF 10

PLAN REFERENCES

EXISTING SITE FEATURES WERE OBTAINED FROM THE FOLLOWING:

- LIMITED TOPOGRAPHIC SURVEY AND SEDIMENT THICKNESS PROBES PERFORMED BY GZA GEOENVIRONMENTAL, INC., ON DECEMBER 11, 2020 AND SEPTEMBER 1, 2024 AND REPRESENTS CONDITIONS AT THE TIME OF THE SURVEY.
- ELEVATIONS DEPICTED ON DRAWINGS ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) IN UNITS OF FEET.
- HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83) IN UNITS OF FEET.
- WETLAND FLAGGING PERFORMED BY GZA GEOENVIRONMENTAL, INC. ON DECEMBER 7, 2020 AND CONFIRMED ON MAY 15, 2024.

GENERAL CONDITIONS

- THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY, AND ARE NOT WARRANTED TO BE CORRECT. ALL EXISTING UTILITIES SHALL BE VERIFIED FOR SERVICE, SIZE, INVERT ELEVATION, LOCATIONS, ETC. PRIOR TO START OF ANY WORK IN THE GENERAL AREA. CONTRACTOR MUST NOTIFY DIG-SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION. NOTIFY ENGINEER IN WRITING OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING ANY WORK.
- TEMPORARY BENCH MARKS AND STATION PK NAILS AND/OR STAKE/TACKS FOUND OR SET BY SURVEYOR. NO GUARANTEE IS MADE AS TO THE EXISTENCE OR ACCURACY OF SUCH MARKS AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINDING, VERIFYING, AND RE-SETTING (IF NECESSARY) CONTROL BENCHMARKS NECESSARY FOR THE WORK OF THE CONTRACT.
- THE RESPONSIBILITY FOR SAFETY IN, ON, OR ABOUT THE JOBSITE SHALL BE THAT OF THE CONSTRUCTION CONTRACTOR. THESE DRAWINGS DO NOT INCLUDE COMPONENTS WHICH MAY BE NECESSARY FOR CONSTRUCTION SAFETY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, EXCEPT WHERE SPECIFICALLY DETAILED IN THE PLANS AND SPECIFICATIONS. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEQUENCE OF THE WORK, EXCEPT WHERE SPECIFICALLY DETAILED IN THE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURFACE AND GROUNDWATER CONTROL DURING THE WORK OF THE CONTRACT. TEMPORARY WATER CONTROL MEASURES SHALL BE, AT MINIMUM, AS REQUIRED BY THE PROJECT PLANS, SPECIFICATIONS, AND PERMIT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL MEASURES NECESSARY FOR WATER CONTROL NECESSARY TO EXECUTE THE WORK OF THE CONTRACT "IN THE DRY." WATER CONTROL MEASURES ARE SUBJECT TO SPECIFIC LIMITS AND CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL DURING THE WORK OF THE CONTRACT. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE, AT MINIMUM, AS REQUIRED BY THE PROJECT PLANS, SPECIFICATIONS, AND PERMIT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL MEASURES NECESSARY FOR THE PREVENTION OF SEDIMENT DISCHARGE OR EROSION AT THE SITE.
- STAGING AREAS WILL BE DETERMINED BY THE CONTRACTOR AND COORDINATED WITH THE DCR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL USE THESE AREAS, AND THESE AREAS ONLY, FOR ON-SITE PARKING, OFFICE TRAILERS, EQUIPMENT AND MATERIAL STORAGE, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY SIGNAGE, FENCING, SAFETY, SEDIMENT/EROSION CONTROL, IMPROVEMENTS, RESTORATIONS ETC. IN THESE AREAS. AREA WITHIN THE LIMITS OF THE WORK MAY BE USED FOR TEMPORARY STORAGE, HAUL ROADS, PARKING, ETC.; HOWEVER, NO ADDITIONAL CONSIDERATION OR PAYMENT WILL BE MADE FOR WORK NECESSARY TO RE-GRADE SUCH AREAS OR RELOCATE ANY MATERIALS OR EQUIPMENT TEMPORARILY STORED WITHIN THE LIMITS OF THE WORK. IF THE CONTRACTOR REQUIRES AND IDENTIFIES ADDITIONAL STAGING AREAS ON THE OWNER'S PROPERTY, THE CONTRACTOR SHALL MAKE A WRITTEN REQUEST TO THE OWNER AND ENGINEER DESCRIBING THE NEED AND LOCATION OF THE PROPOSED AREA. NO GUARANTEE IS MADE THAT ADDITIONAL LAY-DOWN AREAS WILL BE MADE AVAILABLE.
- THE CONTRACTOR SHALL RESTORE AREAS DISTURBED BY CONSTRUCTION AS PER THE PLANS AND SPECIFICATIONS. WHERE NO SPECIFIC INSTRUCTION IS GIVEN, RESTORATION SHALL BE TO THE ORIGINAL CONDITION AND AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS SPECIFICALLY INFORMED THAT THE RESTORATION REQUIREMENT APPLIES TO ALL AREAS DISTURBED AS A RESULT OF THE PROJECT.
- IN THE EVENT OF THE DISCOVERY OF THE PRESENCE OF AN ENDANGERED PLANT OR ANIMAL IN THE WORK AREA OR STAGING AREAS, ALL WORK IN THE IMMEDIATE AREA OF THE FIND SHALL STOP AND THE OWNER AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY. WORK IN THE IMMEDIATE AREA AND/OR THE ENTIRE SITE (AT THE DISCRETION OF THE OWNER) SHALL BE DISCONTINUED UNTIL CLEARANCE IS GRANTED BY THE OWNER.
- IN THE EVENT OF THE DISCOVERY OF A PREVIOUSLY UNKNOWN ARCHEOLOGICAL SITE, POTENTIAL CULTURAL ARTIFACTS OR RESOURCES, OR ANY OTHER UNUSUAL ITEMS OR CONDITIONS, ALL WORK IN THE IMMEDIATE AREA OF THE FIND SHALL STOP AND THE OWNER AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY. WORK IN THE IMMEDIATE AREA SHALL BE DISCONTINUED UNTIL CLEARANCE IS GRANTED BY THE OWNER.
- PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL DEVELOP, SUBMIT, AND MAINTAIN AN EMERGENCY CONTACT LIST WITH NAMES AND PHONE NUMBERS (DAY AND NIGHT) OF ALL KEY PERSONNEL INVOLVED WITH THE PROJECT. THE LIST SHALL SPECIFICALLY INCLUDE THE PERSON FROM THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR ENVIRONMENTAL COMPLIANCE. THE LIST SHALL BE PROVIDED TO THE OWNER, ENGINEER, AND CONSERVATION COMMISSION AND UPDATED AS NEEDED.
- IN THE EVENT OF UNANTICIPATED ENVIRONMENTAL AND/OR ARCHEOLOGICAL CONDITIONS WHICH PREVENT CONTINUED WORK, THE OWNER MAY DIRECT THE CONTRACTOR TO STOP WORK AND STABILIZE THE SITE. THE OWNER RESERVES THE RIGHT TO TERMINATE THE CONTRACT IN SUCH A CASE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL PENALTIES AND DELAYS DUE TO NON-COMPLIANCE WITH PERMIT CONDITIONS.
- ALL WORK SHALL COMPLY WITH ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT. CONTRACTOR SHALL PROVIDE AND ERECT REQUIRED SIGN FOR DISPLAYING DEP FILE NUMBER (SEE SPECIFICATIONS). THE CONTRACTOR IS RESPONSIBLE FOR ALL PENALTIES AND DELAYS DUE TO NON-COMPLIANCE WITH PERMIT CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC AND THE ROADWAY AT ALL TIMES AS PART OF THIS WORK. CONTRACTOR MUST CONDUCT ALL NEEDED COORDINATION AND OBTAIN ALL NEEDED PERMITS AND APPROVALS FOR WORK ADJACENT TO THE ROADWAY AND PROVIDE POLICE DETAILS/FLAGGERS AS REQUIRED BY THE OWNER, ENGINEER, AND/OR TOWN AND STATE OFFICIALS.
- UNSUITABLE MATERIALS INCLUDING ALL MANMADE OR NATURAL OBJECTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO TIRES, CAR PARTS, APPLIANCES, TREE STUMPS, TRASH, VEGETATION, ETC. THESE MATERIALS MUST BE DISPOSED OF AT AN APPROPRIATE LOCATION OFFSITE CONSISTENT WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- SEDIMENTS TO BE DREDGED SHALL BE REPOSITIONED WITHIN THE FORMER IMPOUNDMENT WITHIN THE LIMITS OF WORK.
- THE CONSERVATION COMMISSION HAS APPROVED THE FOLLOWING IMPACTS:
913 FEET OF TEMPORARY IMPACT TO LAND UNDER WATER
810 SQUARE FEET OF PERMANENT IMPACT TO LAND UNDER WATER
78 LINEAR FEET OF BANK
NO EXCEEDANCES OF THESE IMPACTS WILL BE ALLOWED WITHOUT APPROVAL OF THE ENGINEER AND CONSERVATION COMMISSION.

GENERAL SCOPE AND ANTICIPATED CONSTRUCTION SEQUENCE

THE GENERAL SCOPE OF WORK INCLUDES ESTABLISH EROSION CONTROL AND WATER CONTROL, DEMOLISH AND RECONSTRUCT EXISTING DETERIORATED WEIR STRUCTURE, REMOVE SEDIMENT FROM SPILLWAY, DEMOLISH AND RECONSTRUCT SPILLWAY SLAB AND CONSTRUCT WATER CONTROL AND EROSION CONTROLS AT PATH AREA NORTH OF SPILLWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIAL, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND AS SHOWN ON THE FINAL CONDITIONS PLAN. THE INTENT OF THE ANTICIPATED CONSTRUCTION SEQUENCE IS TO PROVIDE GUIDANCE TO THE CONTRACTOR TOWARDS MEETING THE TERMS AND CONDITIONS OF ENVIRONMENTAL PROTECTION PERMITS AND BEST MANAGEMENT PRACTICES. CERTAIN ASPECTS OF THE ANTICIPATED CONSTRUCTION SEQUENCE MAY BE ALTERED BY THE CONTRACTOR WITH APPROVAL FROM THE OWNER, EXCEPT AS REQUIRED BY PERMIT CONDITIONS AND SPECIFIC INSTRUCTIONS CONTAINED IN THE SPECIFICATIONS. THE FOLLOWING LIST IS NOT COMPREHENSIVE AND DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR EXECUTING ALL REQUIRED WORK AS PER THE CONTRACT PLANS AND SPECIFICATIONS.

- MOBILIZE TO THE SITE AND DEPLOY TEMPORARY SEDIMENT AND EROSION CONTROLS ASSOCIATED WITH THE ENTIRE PROJECT, INCLUDING PERIMETER EROSION AND SEDIMENT CONTROL BARRIERS, TURBIDITY CURTAIN, AND OTHER BMPS. NOTE THAT SOME BMPS MAY NOT BE ABLE TO BE DEPLOYED UNTIL POND DRAWDOWN HAS BEEN ACCOMPLISHED.
- COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING SELECTION OF LIMITED NUMBER OF TREES (IF ANY) TO BE CLEARED AND REMOVED TO PROVIDE SITE ACCESS NEEDED FOR THE EXECUTION OF THE WORK. NO TREE REMOVAL MAY BEGIN UNTIL MUTUAL AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR HAS BEEN OBTAINED AND APPROVAL HAS BEEN GRANTED BY THE CONSERVATION COMMISSION. REMOVE STUMPS ONLY FROM AREAS WHERE EXCAVATION WILL OCCUR. TOPSOIL TO REMAIN TO THE EXTENT POSSIBLE.
- NOTIFY OWNER, ENGINEER, AND CONSERVATION COMMISSION, SCHEDULE AND CONDUCT SITE WALK TO INSPECT SEDIMENT AND EROSION CONTROL MEASURES AND TREES MARKED FOR SELECTIVE CLEARING. MODIFY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED. WORK MAY PROCEED ONCE APPROVAL HAS BEEN GRANTED FROM THE CONSERVATION COMMISSION.
- RESTORE AND SEED ALL REMAINING DISTURBED AREAS. PROVIDE TEMPORARY STABILIZATION TO ALL SEEDED AREAS.
- REMOVE EQUIPMENT AND TEMPORARY FACILITIES. COMPLETE ALL OTHER SITE STABILIZATION.
- NOTIFY OWNER, ENGINEER, AND CONSERVATION COMMISSION OF FINAL STABILIZATION. SCHEDULE AND CONDUCT SITE INSPECTION. MAKE ADJUSTMENTS AS REQUIRED.
- UPON APPROVAL BY CONSERVATION COMMISSION, REMOVE PERIMETER EROSION CONTROL BARRIERS. NOTE THAT COMPOST FILTER SOCKS MAY BE DISPERSED IN PLACE.
- COMPLETE DEMOBILIZATION.

GENERAL SEDIMENT AND EROSION CONTROL NOTES

- TEMPORARY CONTROL OF EROSION AND SEDIMENT DISCHARGE IS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT AND UNTIL FINAL STABILIZATION IS ACHIEVED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE AREAS WITHIN THE LIMITS OF WORK AND BEYOND FROM SEDIMENT AND/OR POLLUTANTS ORIGINATING FROM ANY WORK DONE ON OR IN SUPPORT OF THE PROJECT, INCLUDING SEDIMENT DUE TO EROSION FROM STORMWATER RUNOFF.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES NECESSARY TO EXECUTE AND COMPLETE THE WORK OF THE CONTRACT, IN COMPLIANCE WITH THE TERMS AND CONDITIONS CONTAINED IN THE CONTRACT, PROJECT PERMITS AND ALL STATE AND LOCAL ORDINANCES THAT APPLY. CONTROLS SHOWN ON THE CONTRACT DRAWINGS SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL EMPLOY WHATEVER SUPPLEMENTARY MEASURES NECESSARY TO PROTECT WETLANDS, WATERS, AND ADJACENT AREAS FROM DISTURBANCE OR DISCHARGE OF SEDIMENTS.
- THE CONTRACTOR SHALL NOT DISTURB VEGETATED AREAS OUTSIDE OF THE WORK ZONE, EXCEPT TO THE MINIMUM EXTENT NECESSARY FOR ACCESS AND ACCOMPLISHMENT OF THE WORK SHOWN.
- ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT MIGRATION INTO WATER BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, CONCRETE, OR ANY OTHER POLLUTANTS ASSOCIATED WITH CONSTRUCTION PROCEDURES.
- ACTUAL LOCATIONS OF EROSION CONTROLS AND BEST MANAGEMENT PRACTICES (BMPS) MAY VARY DUE TO FIELD CHANGES, ONGOING CONSTRUCTION, ACCESS NEEDS, WEATHER, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THESE CHANGES AND ADJUSTING EROSION CONTROLS AND BMP LOCATIONS ACCORDINGLY. IN PARTICULAR, THE CONTRACTOR SHALL COORDINATE THE INSTALLATION AND RELOCATION OF BMPS WITH PROJECT PHASING, AS NECESSARY.
- ALL EROSION CONTROLS AND BMPS SHALL REMAIN IN PLACE, EXCEPT AS OTHERWISE NECESSARY, UNTIL CONSTRUCTION IS COMPLETED AND FINAL STABILIZATION IS ACHIEVED.
- THE CONTRACTOR IS RESPONSIBLE FOR PREPARING A PROJECT-SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO THE START OF CONSTRUCTION. A COPY OF THE SWPPP SHALL BE KEPT ON SITE AT ALL TIMES.
- EXCAVATED MATERIALS SUSPECTED OF CONTAMINATION SHALL BE SEPARATED AND STOCKPILED ON SITE FOR EVALUATION BY THE ENGINEER.
- ADDITIONAL EROSION CONTROL BARRIERS SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER TO MINIMIZE THE THREAT OF ADVERSE IMPACT DURING THE CONSTRUCTION PROCESS. AN ADEQUATE SUPPLY OF REPLACEMENT EROSION CONTROL BARRIERS WILL BE AVAILABLE ON-SITE FOR EMERGENCY PURPOSES.
- SEDIMENT AND EROSION CONTROLS AND BMPS SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION AT THE SITE. NO WORK WHICH SHALL DISTURB THE SITE OR CREATE THE POTENTIAL FOR SEDIMENT RELEASE SHALL COMMENCE UNTIL THE SEDIMENT AND EROSION CONTROLS HAVE BEEN INSPECTED AND APPROVED BY THE OWNER, ENGINEER, AND CONSERVATION COMMISSION. ALL CONTROLS AND BMPS SHALL BE SUBJECT TO INSPECTION BY THE OWNER AND HIS REPRESENTATIVE AT ANYTIME THEREAFTER.
- SOME SEDIMENT MIGRATION IS EXPECTED DURING AND FOLLOWING CONSTRUCTION. TURBIDITY AND SEDIMENT RELEASE TO BE MANAGED AS APPROPRIATE.
- PERIODIC INSPECTION, MAINTENANCE, AND CLEANING OF TEMPORARY EROSION OF SEDIMENT CONTROL MEASURES AND BMPS ARE REQUIRED. ALL CONTROLS AND BMPS SHALL BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF RAINFALL EVENTS OF 0.5 INCHES OR GREATER. ROUTINE INSPECTION AND MAINTENANCE WILL REDUCE THE CHANCE OF POLLUTING STORMWATER BY FINDING AND CORRECTING PROBLEMS BEFORE THE NEXT RAIN EVENT. THE CONTRACTOR WILL BE REQUIRED TO KEEP A WRITTEN, UPDATED SITE MAINTENANCE LOG DOCUMENTING INSPECTION AND MAINTENANCE ACTIVITY.
- REPORTING AND RECORD KEEPING: IN ADDITION TO THE AFOREMENTIONED INSPECTION AND MAINTENANCE PROCEDURES, THE CONTRACTOR IS TO KEEP A RECORD OF THE FOLLOWING INFORMATION:
 - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN A PARTICULAR AREA;
 - THE DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA, TEMPORARILY OR PERMANENTLY;
 - THE DATES WHEN AN AREAS IS STABILIZED, TEMPORARILY OR PERMANENTLY;
 - A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL REPORTS GENERATED DURING CONSTRUCTION ACTIVITIES ARE TO BE RETAINED AS REQUIRED BY REGULATION.
- SITE CLEARING: PRIOR TO ANY SITE CLEARING ACTIVITIES, SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED AS INDICATED ON THE PLANS, ALONG THE OUTER LIMIT OF DISTURBANCE. DISTURBED AREAS ARE TO BE KEPT TO A MINIMUM. NO CLEARING IS ALLOWED OUTSIDE THE WORK AREA WITHOUT PRIOR APPROVAL FROM THE OWNER.
- SEDIMENT AND EROSION CONTROL BARRIERS: SEDIMENT/EROSION CONTROL BARRIERS ARE INTENDED TO TRAP SEDIMENT TRANSPORTED BY RUNOFF BEFORE IT REACHES THE DRAINAGE FEATURES, WATERBODIES, OR WETLANDS. IN ADDITION TO AREAS WHERE HIGH RUNOFF VELOCITIES OR HIGH SEDIMENT LOADS ARE EXPECTED. SAID CONTROLS ARE TO BE REPLACED AS NEEDED AS DETERMINED BY PERIODIC FIELD INSPECTIONS.
- DUST CONTROL: DUST CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.
- STAGING AREAS: THE CONTRACTOR MAY ESTABLISH LAYDOWN AND STAGING AREAS IN WHICH TO STORE EQUIPMENT AND MATERIALS ONLY IN THOSE AREAS SPECIFICALLY INDICATED ON THE CONTRACT DRAWINGS OR SPECIFICATIONS OR AS DIRECTED BY THE OWNER. LOCATION OF ADDITIONAL AREAS, IF NEEDED, SHALL BE COORDINATED WITH AND SHALL BE SUBJECT TO APPROVAL BY THE OWNER. STAGING AREAS SHALL BE ENCIRCLED WITH SEDIMENT/EROSION CONTROL BARRIERS AS APPROPRIATE. STAGING AREAS SHALL BE ENCIRCLED BY ORANGE PLASTIC TEMPORARY CONSTRUCTION FENCING OR OTHER MEANS OF DELINEATING THE AREAS. AT THE CONTRACTOR'S OPTION, ADDITIONAL OR MORE STURDY BARRIERS MAY BE INCLUDED.
- STOCKPILED MATERIALS: STOCKPILES OF SOIL IN AREAS CREATED DURING CONSTRUCTION ACTIVITIES ARE TO BE SURROUNDED WITH SEDIMENT/EROSION CONTROL WHERE POSSIBLE. OTHER ALTERNATIVES UTILIZED MAY INCLUDE GRAVEL FILTER BERMS OR SIMILAR MEASURES LAID AROUND THE PERIMETER OF THE STOCKPILE.
- TEMPORARY STABILIZATION: WHEN NECESSARY, TEMPORARY SLOPE PROTECTION SHALL BE PROVIDED BY INSTALLING SEDIMENT/EROSION CONTROL BARRIERS AT THE TOE OF FILLS OR CUT SLOPES. IF ADDITIONAL STABILIZATION IS NEEDED, THEN THE CONTRACTOR SHALL INSTALL MATTING, SUCH AS HAY, JUTE, WOOD FIBER, OR BIO OR PHOTO-DEGRADABLE MESH. IN THE EVENT THAT DISTURBED AREAS AT THE SITE ARE TO BE LEFT UN-WORKED FOR MORE THAN TWO WEEKS, THE AREAS SHALL BE MULCHED WITH STRAW AT A RATE OF 100 LBS. PER 1,000 S.F. TO HELP CONTROL EROSION. TWO INCHES OF WOOD CHIP MULCH MAY ALSO BE USED AS TEMPORARY COVER. IN THE EVENT THAT DISTURBED AREAS AT THE SITE ARE TO BE LEFT UN-WORKED FOR MORE THAN ONE MONTH, THE AREAS SHALL BE TOPSOILED AND SEEDED AT NO ADDITIONAL COST TO THE OWNER. LEAVE THE SURFACE OF ALL EXCAVATIONS AND FILLS IN A FIRM AND STABLE CONDITION AT THE END OF EACH DAY. ROLL OR OTHERWISE TREAT THE SURFACE AS NEEDED.
- SITE RESTORATION: STABILIZATION OF DISTURBED AREAS OR NEW SOIL FILLS SHALL BE IMPLEMENTED WITHIN 14 DAYS AFTER GRADING OR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. APPROPRIATE VEGETATIVE SOIL STABILIZATION IS TO BE USED TO MINIMIZE EROSION. TEMPORARY AND PERMANENT VEGETATIVE COVER IS TO BE ESTABLISHED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, USING HYDRO-SEEDING, BROADCASTING, OR OTHER APPROVED TECHNIQUES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF PREVIOUSLY VEGETATED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. UNLESS OTHERWISE SHOWN ON DRAWINGS, RESTORATION SHALL CONSIST OF REPLACEMENT OF TOPSOIL OR PLACEMENT OF IMPORTED LOAM AS NEEDED SUCH THAT A MINIMUM OF 6 INCHES OF SUITABLE MATERIAL IS PRESENT AND APPROPRIATELY, LIMED, FERTILIZED, GRADED, AND SCARIFIED. WHERE NOT OTHERWISE SPECIFIED, DISTURBED UPLAND AREAS SHALL BE SEEDED WITH AN APPROVED SEED MIX AND AT A RATE SHOWN ON THE PROJECT PLANS AND SPECIFICATIONS. SEEDING RATE SHALL BE DOUBLED FOR DORMANT SEEDING.

RESTORED AREAS SHALL BE ROLLED AND THEN APPROPRIATELY MULCHED OR COVERED.

FINAL STABILIZATION SHALL BE CONSIDERED COMPLETE WHEN ALL SOIL-DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND A UNIFORM, PERENNIAL VEGETATIVE COVER WITH A DENSITY OF EIGHTY PERCENT HAS BEEN ESTABLISHED OR EQUIVALENT STABILIZATION MEASURES (SUCH AS THE USE OF MULCHES OR EROSION CONTROL MATTING) HAVE BEEN EMPLOYED ON ALL UNPAVED UPLAND AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL VEGETATED UPLAND SURFACES AND PLANTINGS, INCLUDING WATERING, FERTILIZING, AND RE-SEEDING UNTIL ESTABLISHMENT CONDITIONS ARE MET AND UNTIL THE END OF THE CONTRACTUAL MAINTENANCE PERIOD.

ALL SLOPES WITHIN THE PROJECT LIMITS WILL BE STABILIZED WITHIN 2 WEEKS OF THE FINAL GRADING. AREAS FAILING TO BE STABILIZED SHALL BE RE-GRADED AND CONTINUED TO BE STABILIZED AS NEEDED.

- WETLAND ESTABLISHMENT: WETLAND ESTABLISHMENT IN THE FORMER POND AREA SHALL BE IMPLEMENTED AS PER THE PROJECT SPECIFICATIONS. THE GENERAL APPROACH SHALL INVOLVE NATURAL RECOLONIZATION WITH LIMITED SUPPLEMENTAL SEEDING, POST-COMPLETION MONITORING, AND AN INVASIVE SPECIES CONTROL PLAN.

WATER CONTROL NOTES

- TEMPORARY WATER CONTROL BY THE CONTRACTOR SHALL BE PERFORMED AS SPECIFIED IN THE CONTRACT DOCUMENTS AND PER THE CONTRACTOR'S APPROVED WATER CONTROL PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY WATER CONTROL, SURFACE WATER AND GROUNDWATER CONTROL, NECESSARY TO EXECUTE AND COMPLETE THE WORK OF THE CONTRACT, SUBJECT TO THE RESTRICTIONS CONTAINED IN THE CONTRACT AND PROJECT PERMITS. CONTROLS SHOWN IN THE CONTRACT DRAWINGS AND MENTIONED IN THE TECHNICAL SPECIFICATIONS SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL THE PROPOSED MEANS AND METHODS FOR CONTROL OF SURFACE WATER AND GROUNDWATER AND EMPLOY WHATEVER SUPPLEMENTARY MEASURES NECESSARY TO PROTECT THE SITE AND THE WORK.
- IT IS NOTED THAT BELLEVUE POND TYPICALLY HAS LITTLE WATER IN IT DUE TO THE DETERIORATED EXISTING STOP LOGS AND RELATIVELY SMALL INFLOWS. INFLOWS DURING STORM EVENTS ARE ESTIMATED AS FOLLOWS:

RECURRENCE INTERVAL	FLOW RATES (CFS)
2-YR	11
5-YR	18
10-YR	24

THE CONTRACTOR'S TEMPORARY WATER CONTROL PLAN SHALL BE CAPABLE OF HANDLING UP TO THE 10-YR FLOW RATE.
- ALL TEMPORARY WATER CONTROL MEASURES SHALL BE IMPLEMENTED IN CONJUNCTION WITH APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES SO AS TO MINIMIZE TO THE GREATEST EXTENT POSSIBLE RELEASE OF SEDIMENT INTO WATER BODIES AND POTENTIAL EROSION OF SOIL.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT STRICT ADHERENCE TO THE WATER CONTROL CONDITIONS AND LIMITATIONS AND USE OF BEST MANAGEMENT PRACTICES IS CRITICAL TO PREVENT POSSIBLE IMPACTS TO SENSITIVE ENVIRONMENTAL AREAS.
- FLOW DOWNSTREAM OF DAM SHALL BE MAINTAINED AT ALL TIMES.
- WATER SURFACE ELEVATION IN THE FORMER IMPOUNDMENT SHALL BE LIMITED TO NO GREATER THAN APPROXIMATE PRIOR NORMAL POOL ELEVATIONS.
- THE COFFERDAMS SHALL NOT BE CONSTRUCTED OF UNCONTAINED FILL (SOIL, ROCK, OR ANY OTHER LOOSE MATERIAL).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND SUBMISSION OF A CONSTRUCTION-PHASE FLOOD CONTROL / EMERGENCY RESPONSE PLAN.
- ANY TEMPORARY PUMPS UTILIZED AT THE SITE MUST BE PROPERLY BAFFLED AGAINST EXCESSIVE NOISE. PUMPS OR GENERATORS WHICH UTILIZE LIQUID FUEL MUST BE PLACED WITHIN AN IMPERMEABLE SECONDARY CONTAINMENT AREA WITH SUFFICIENT CAPACITY TO CONTAIN THE FULL VOLUME OF THE FUEL TANK.
- WATER PUMPED FROM EXCAVATIONS MUST BE PASSED THROUGH A PUMPED WATER FILTER BAG OR OTHER SUCH BEST MANAGEMENT PRACTICE (BMP) FEATURE PRIOR TO BEING DISCHARGED BACK TO A SURFACE WATER BODY. DISCHARGE WATER SHALL MEET APPROPRIATE WATER QUALITY STANDARDS.
- PUMPED WATER DISCHARGE AREAS MUST BE PROPERLY PROTECTED TO PREVENT EROSION BY HIGH VELOCITY FLOW.

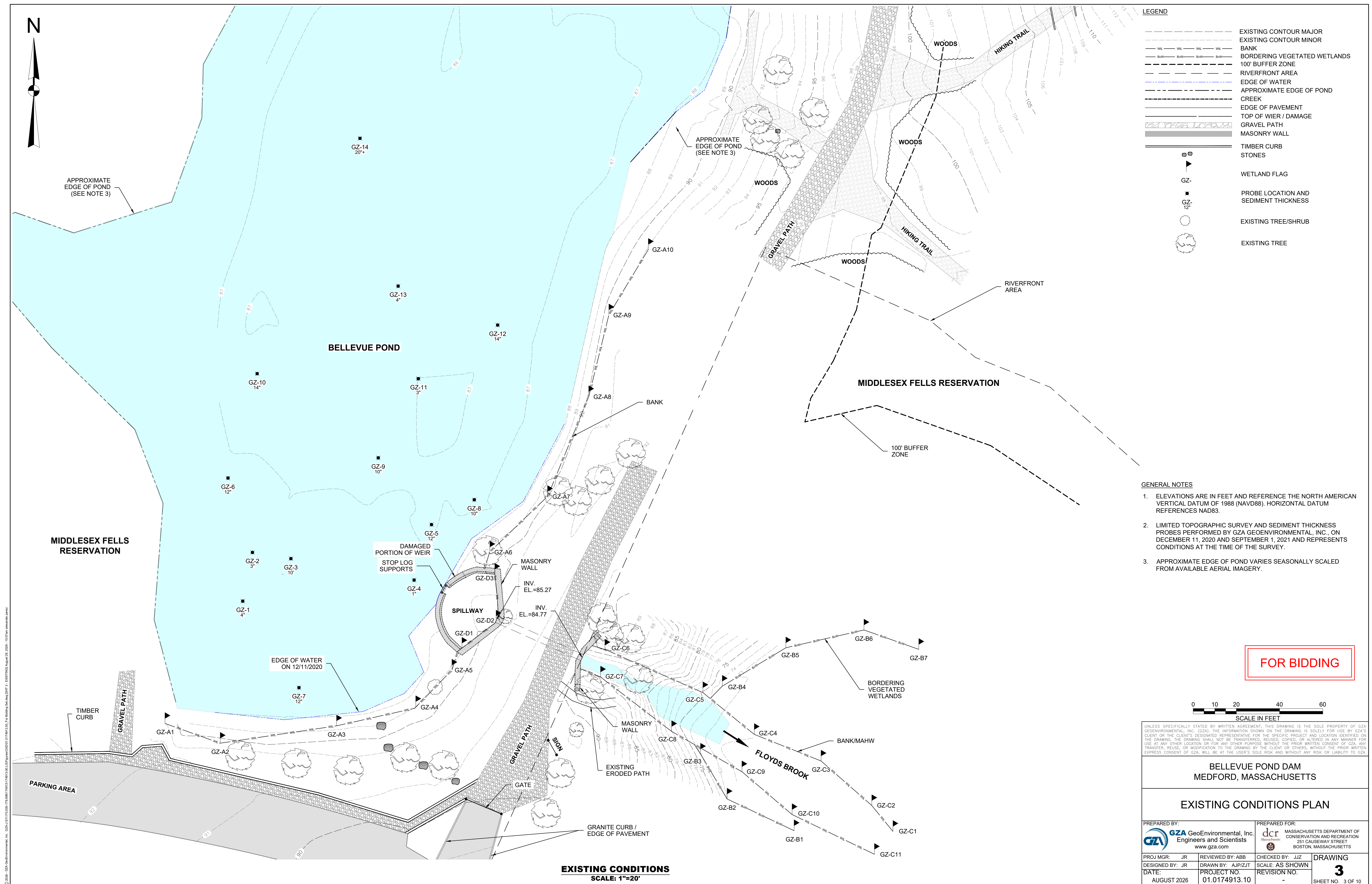
FOR BIDDING

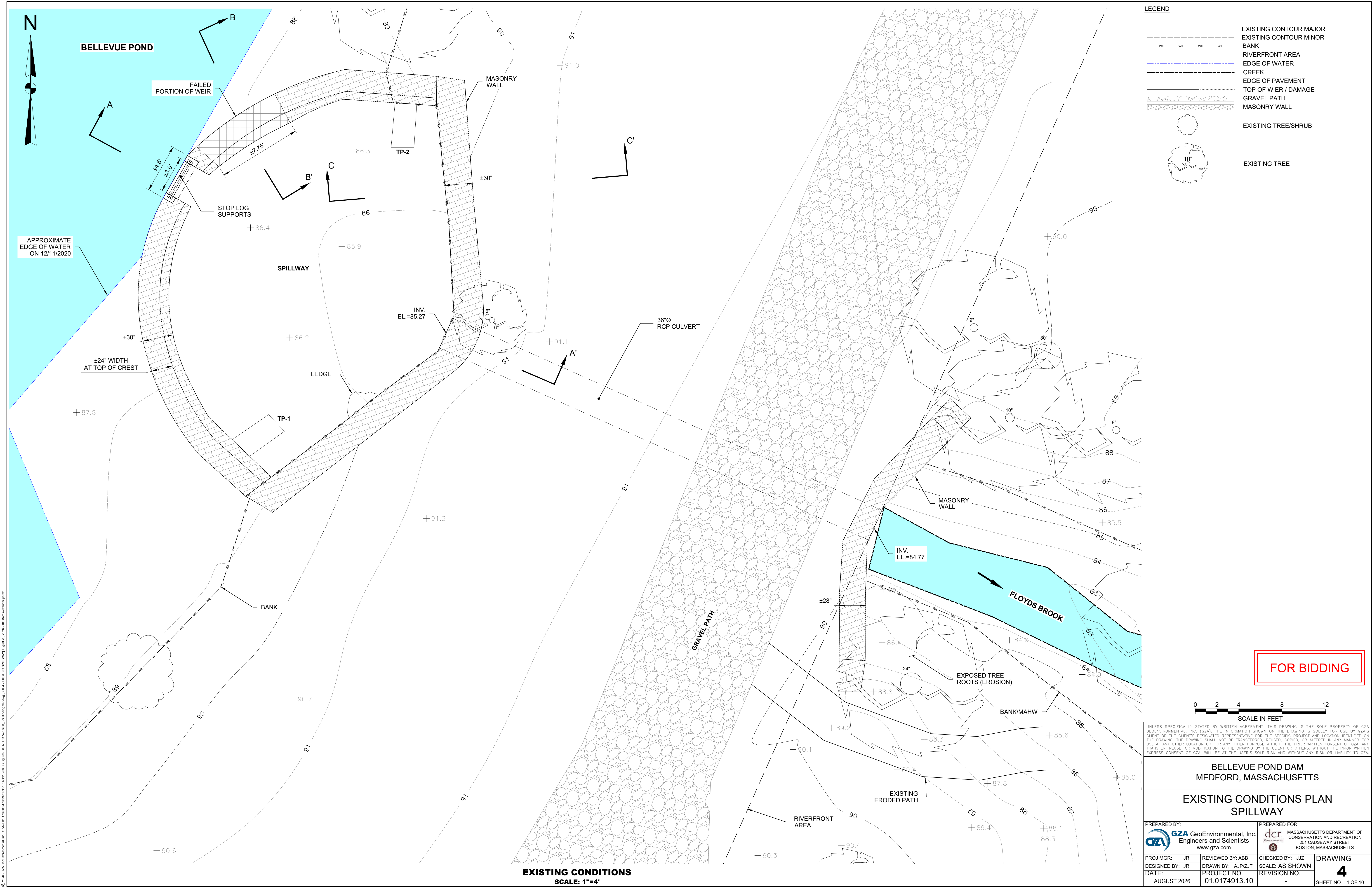
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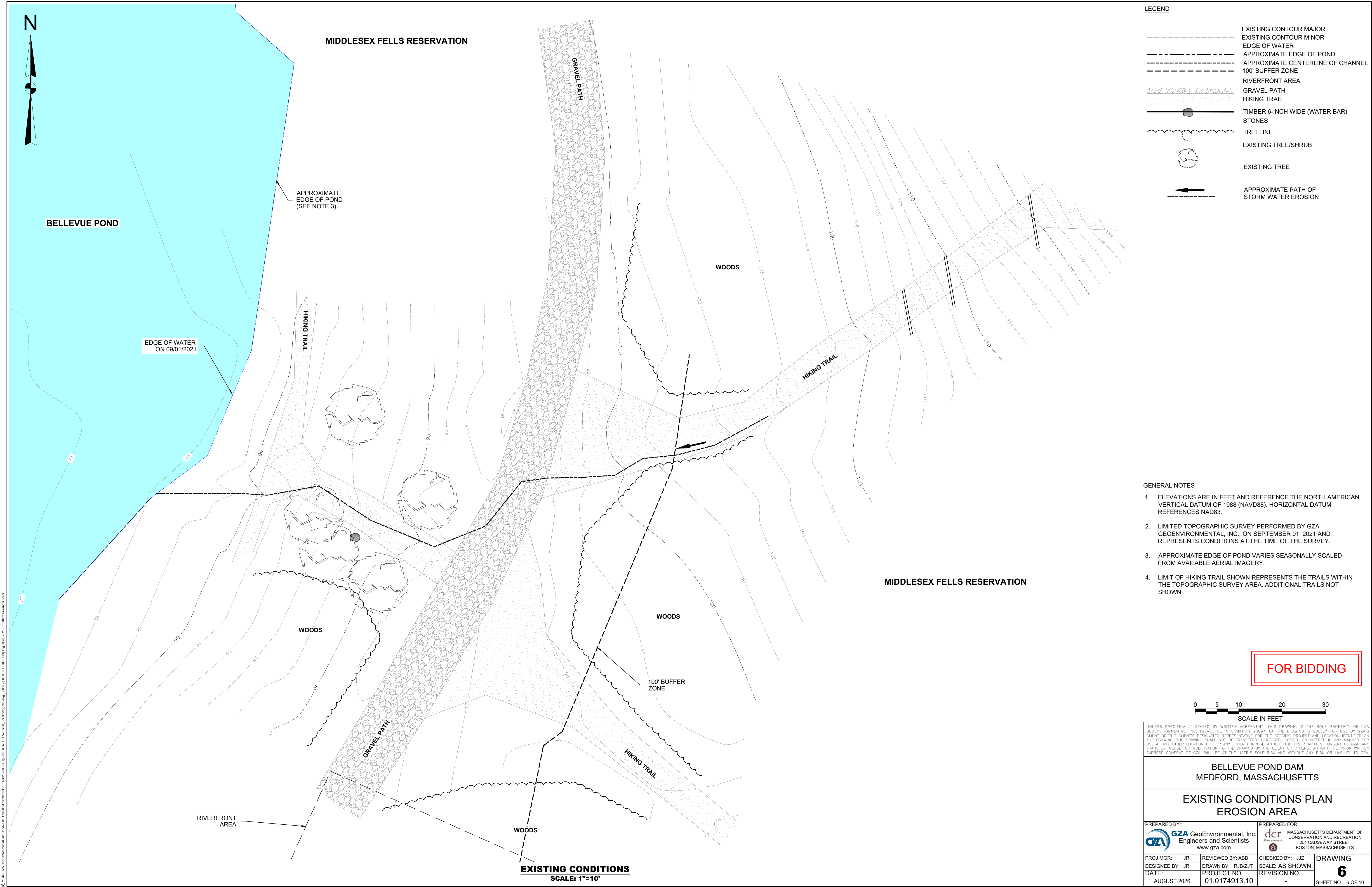
BELLEVUE POND DAM
MEDFORD, MASSACHUSETTS

GENERAL NOTES

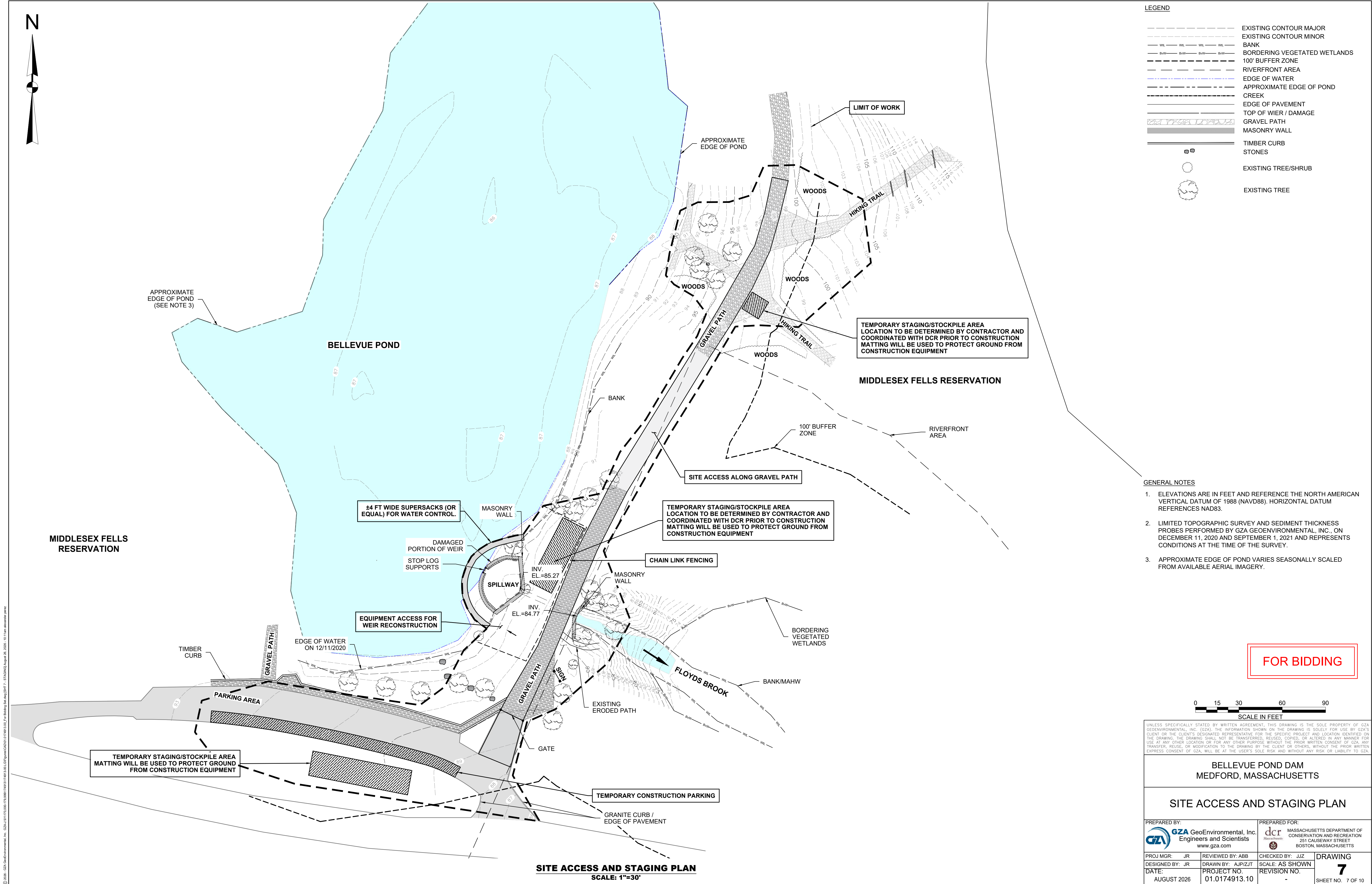
PREPARED BY:  GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR:  MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION 251 CAUSEWAY STREET BOSTON, MASSACHUSETTS	
PROJ MGR: JR	REVIEWED BY: ABB	CHECKED BY: JJJ	DRAWING
DESIGNED BY: JR	DRAWN BY: AJP/ZJT	SCALE: AS SHOWN	
DATE: AUGUST 2026	PROJECT NO. 01.0174913.10	REVISION NO. -	2 SHEET NO. 2 OF 10

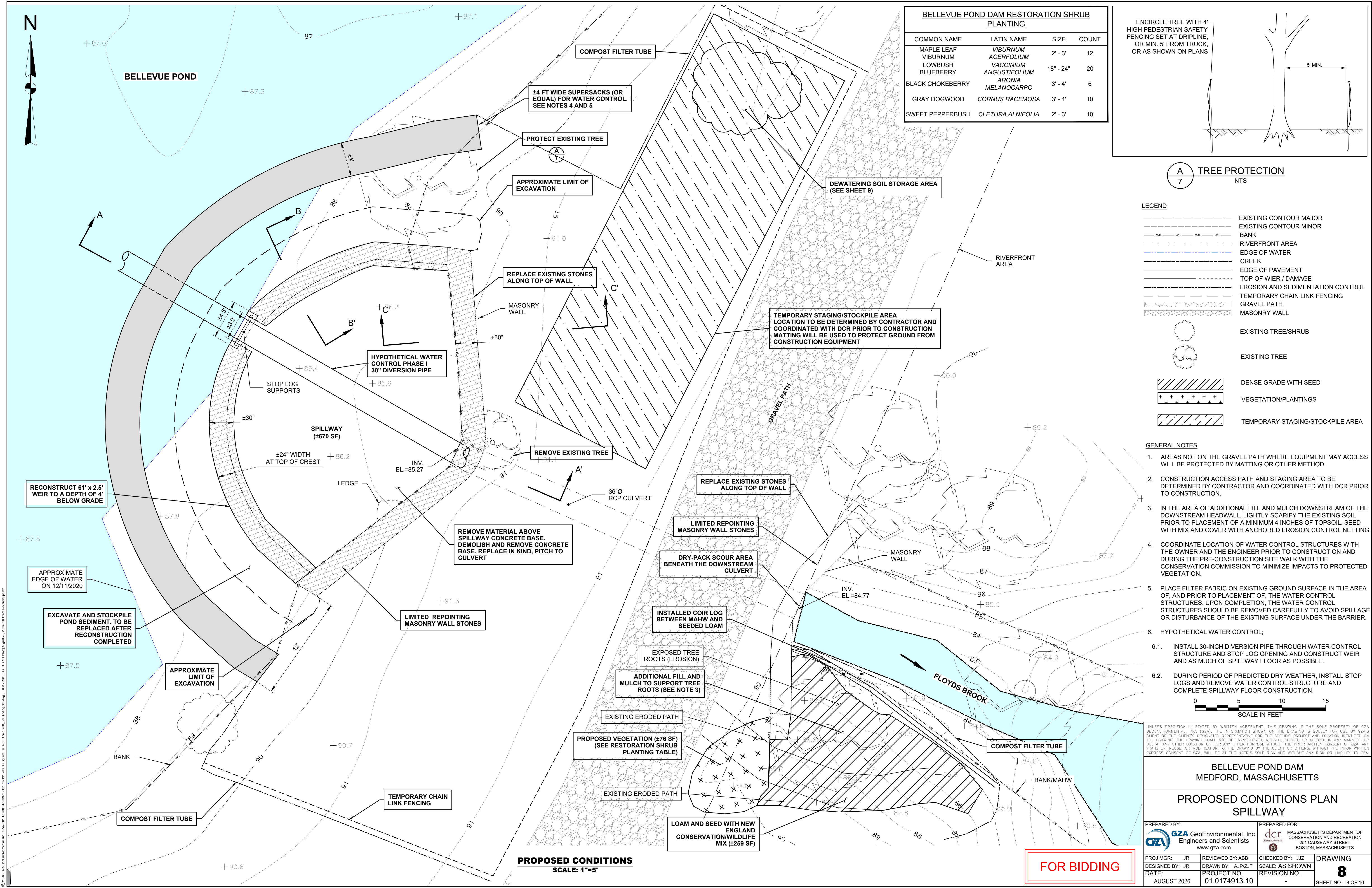




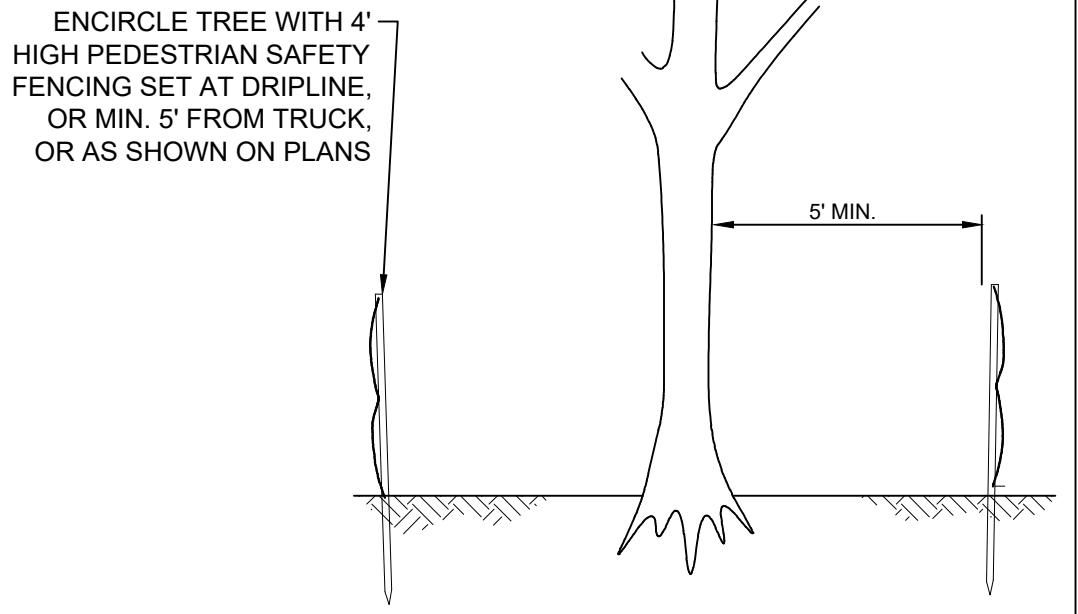


© 2026 GZA GeoEnvironmental, Inc. GZA-101174913.10 GIP-Bur-CAD-01 11/14/2025 For Bidding Set.dwg [BRT] E: EXISTING EROSION August 26, 2026 10:10am mawcater print





BELLEVUE POND DAM RESTORATION SHRUB PLANTING			
COMMON NAME	LATIN NAME	SIZE	COUNT
MAPLE LEAF VIBURNUM	VIBURNUM ACERFOLIUM	2' - 3'	12
LOWBUSH BLUEBERRY	VACCINIUM ANGUSTIFOLIUM	18" - 24"	20
BLACK CHOKEBERRY	ARONIA MELANOCARPO	3' - 4'	6
GRAY DOGWOOD	CORNUS RACEMOSA	3' - 4'	10
SWEET PEPPERBUSH	CLETHRA ALNIFOLIA	2' - 3'	10



A
7
TREE PROTECTION
NTS

- LEGEND
- EXISTING CONTOUR MAJOR
 - EXISTING CONTOUR MINOR
 - BANK
 - RIVERFRONT AREA
 - EDGE OF WATER
 - CREEK
 - EDGE OF PAVEMENT
 - TOP OF WIER / DAMAGE
 - EROSION AND SEDIMENTATION CONTROL
 - TEMPORARY CHAIN LINK FENCING
 - GRAVEL PATH
 - MASONRY WALL
 - EXISTING TREE/SHRUB
 - EXISTING TREE
 - DENSE GRADE WITH SEED
 - VEGETATION/PLANTINGS
 - TEMPORARY STAGING/STOCKPILE AREA

- GENERAL NOTES
- AREAS NOT ON THE GRAVEL PATH WHERE EQUIPMENT MAY ACCESS WILL BE PROTECTED BY MATTING OR OTHER METHOD.
 - CONSTRUCTION ACCESS PATH AND STAGING AREA TO BE DETERMINED BY CONTRACTOR AND COORDINATED WITH DCR PRIOR TO CONSTRUCTION.
 - IN THE AREA OF ADDITIONAL FILL AND MULCH DOWNSTREAM OF THE DOWNSTREAM HEADWALL, LIGHTLY SCARIFY THE EXISTING SOIL PRIOR TO PLACEMENT OF A MINIMUM 4 INCHES OF TOPSOIL. SEED WITH MIX AND COVER WITH ANCHORED EROSION CONTROL NETTING.
 - COORDINATE LOCATION OF WATER CONTROL STRUCTURES WITH THE OWNER AND THE ENGINEER PRIOR TO CONSTRUCTION AND DURING THE PRE-CONSTRUCTION SITE WALK WITH THE CONSERVATION COMMISSION TO MINIMIZE IMPACTS TO PROTECTED VEGETATION.
 - PLACE FILTER FABRIC ON EXISTING GROUND SURFACE IN THE AREA OF, AND PRIOR TO PLACEMENT OF, THE WATER CONTROL STRUCTURES. UPON COMPLETION, THE WATER CONTROL STRUCTURES SHOULD BE REMOVED CAREFULLY TO AVOID SPILLAGE OR DISTURBANCE OF THE EXISTING SURFACE UNDER THE BARRIER.
 - HYPOTHETICAL WATER CONTROL:
 - INSTALL 30-INCH DIVERSION PIPE THROUGH WATER CONTROL STRUCTURE AND STOP LOG OPENING AND CONSTRUCT WEIR AND AS MUCH OF SPILLWAY FLOOR AS POSSIBLE.
 - DURING PERIOD OF PREDICTED DRY WEATHER, INSTALL STOP LOGS AND REMOVE WATER CONTROL STRUCTURE AND COMPLETE SPILLWAY FLOOR CONSTRUCTION.

0 5 10 15
SCALE IN FEET

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BELLEVUE POND DAM
MEDFORD, MASSACHUSETTS

PROPOSED CONDITIONS PLAN
SPILLWAY

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DESIGNED BY: JR	DRAWN BY: AJP/ZJT	SCALE: AS SHOWN	8
DATE: AUGUST 2026	PROJECT NO: 01.0174913.10	REVISION NO: -	
SHEET NO. 8 OF 10			

