



PUBLIC NOTICE

Comment Period Begins: February 13, 2024

Comment Period Ends: February 28, 2024

File Number: NAE-2023-01188

In Reply Refer to: LeeAnn Neal

Phone: (978) 318-8498

Email: leeann.b.neal@usace.army.mil

15 DAY NOTICE

The District Engineer, U.S. Army Corps of Engineers, New England District (USACE), has received a permit application, file number NAE-2023-01188, to conduct work in waters of the United States from the Town of Temple at 258 Temple Road, Temple, Maine 04984. This work is proposed in Henry Mitchell Brook off Mitchell Brook Road at Temple, Maine. The site coordinates are: Latitude 44.6884 N Longitude -70.2383 W.

The work involves the placement of fill below the ordinary high water line of **Henry Mitchell Brook off Mitchell Brook Road at Temple, Maine in conjunction with the replacement of an existing deteriorated pipe culvert with a larger natural bottom box culvert with banks and boulder control structure placement within the stream. Approximately 1,700SF (0.039acres) of temporary and 515SF (0.012acres) of permanent stream bottom impact will occur as a result.**

The work is shown on the enclosed plans entitled "STREAM CROSSING IMPROVEMENTS AT MITCHELL BROOK ROAD, design documents for ATLANTIC SALMON FEDERATION," on seven sheets, sheets "22001-C101 and 22001-SK1" most recently updated July 2023.

In order to avoid and minimize impacts to the resource, a variety of Best Management Practices will be implemented throughout construction. In order to avoid and minimize impact to the federally endangered Atlantic salmon and or it's critical habitat, the project will be constructed during the appropriate time of year work window of July 15 – September 30 of any given year when the species is not present. In addition, the project has been designed to meet the required 1.2 bank-full width of the stream, thereby restoring unimpeded fish passage through the structure. Due to the nature of the project and resulting restoration of fish passage through the stream reach, the Corps has determined that no compensatory mitigation is required.

AUTHORITY

Permits are required pursuant to:

Section 10 of the Rivers and Harbors Act of 1899

Section 404 of the Clean Water Act

Section 103 of the Marine Protection, Research and Sanctuaries Act.

The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The USACE will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an environmental assessment and/or an environmental impact statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

This project will impact approximately 0.012 acres of EFH. This habitat consists of boulder, cobble, gravel, and fines substrate in a freshwater resource. Loss of this habitat may adversely affect species that use these waters and substrate. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on our initial review of the proposed project and coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s), no historic properties were identified within the permit area or the area of potential effects.

Additional review and consultation to fulfill requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The USACE has reviewed the application for the potential impact on federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act (ESA) as amended. The Corps and U.S. Fish & Wildlife Service (USFWS) have made the determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect the Northern Long-Eared Bat (NLEB) or Atlantic salmon critical habitat however is likely to adversely affect the Atlantic salmon. Overall, the Corps and USFWS has determined that the project will result in a long-term benefit to the species. We have coordinated with the U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation has been concluded.

OTHER GOVERNMENT AUTHORIZATIONS

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, license or assent from State.
- () Permit from local wetland agency or conservation commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. People submitting comments are advised that all comments received will be available for public review in their entirety and will be considered a matter of public record.

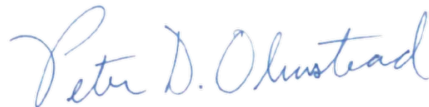
CENAE-R
File No. NAE-2023-01188

Comments should be submitted in writing by the above date. If you have any questions, please contact LeeAnn B. Neal at leeann.b.neal@usace.army.mil, (978) 318-8498.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



Peter D. Olmstead
Chief, Maine Section
Regulatory Division

Please contact Ms. Tina Chaisson at bettina.m.chaisson@usace.army.mil or (978) 318-8058 if you would like to be removed from our public notice mailing list.

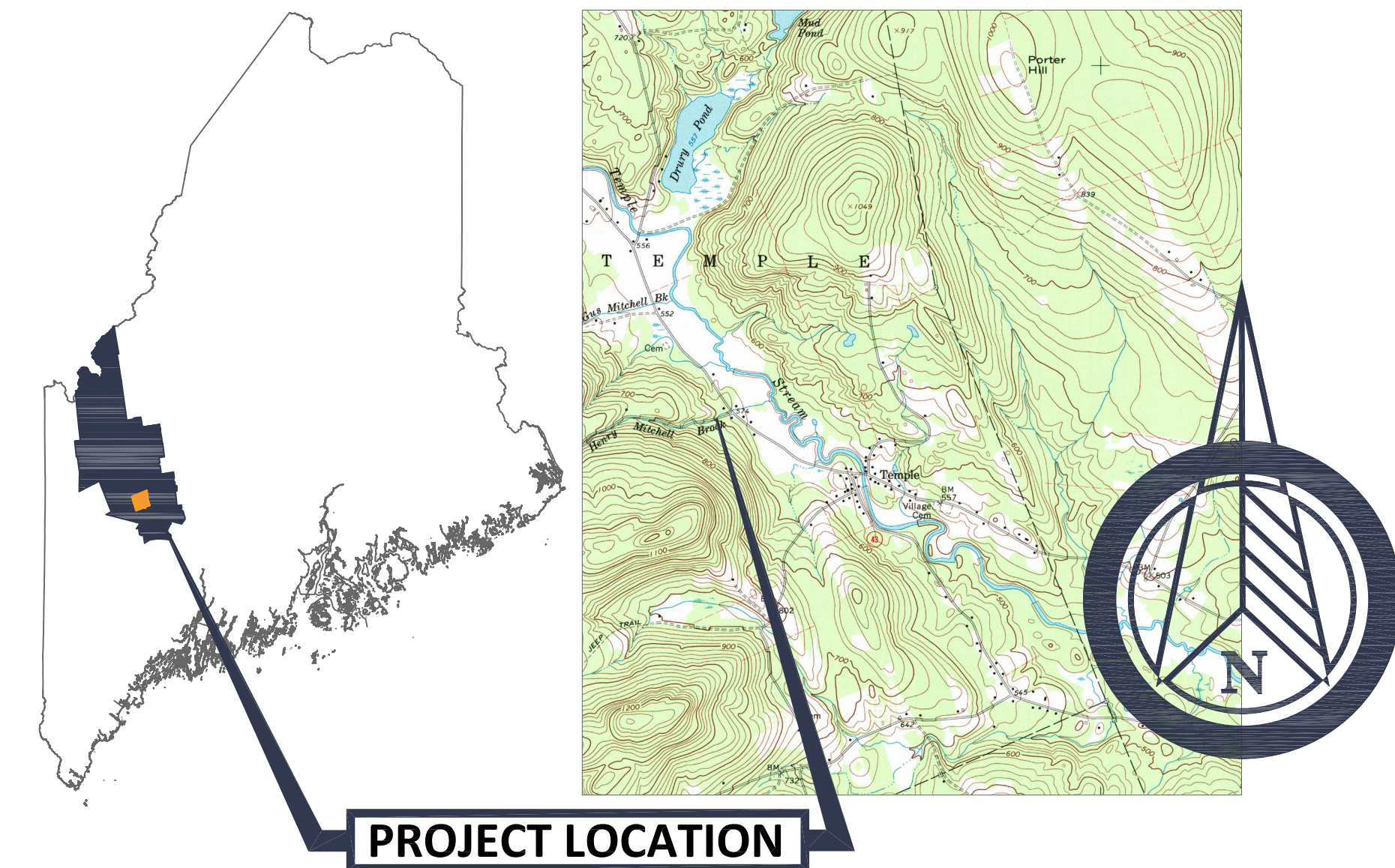
STREAM CROSSING IMPROVEMENTS AT MITCHELL BROOK ROAD DESIGN DOCUMENTS FOR ATLANTIC SALMON FEDERATION

April 2023

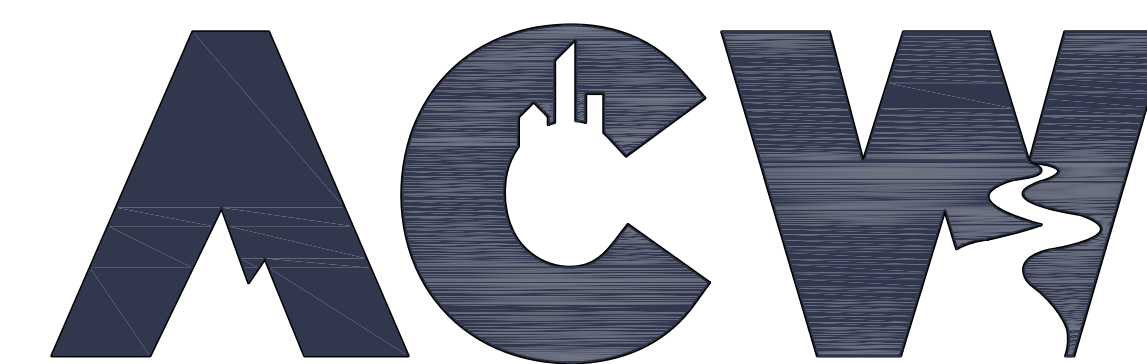
DRAWING INDEX

C-001	GENERAL NOTES AND DETAILS
C-100	EXISTING CONDITIONS PLAN
C-101	IMPROVEMENTS PLAN
C-200	STREAM PLAN AND PROFILE
C-700	DEWATERING AND EROSION CONTROL PLAN

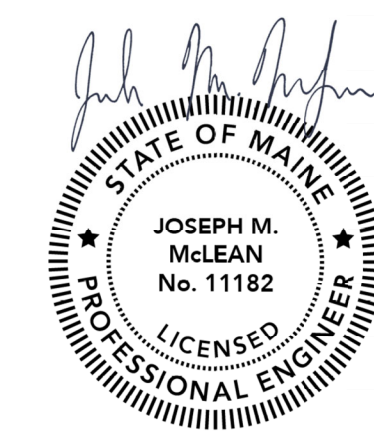
Temple, Maine



(207) 212-9350
PO Box 212
Leeds, Maine
acadiacivilworks.com



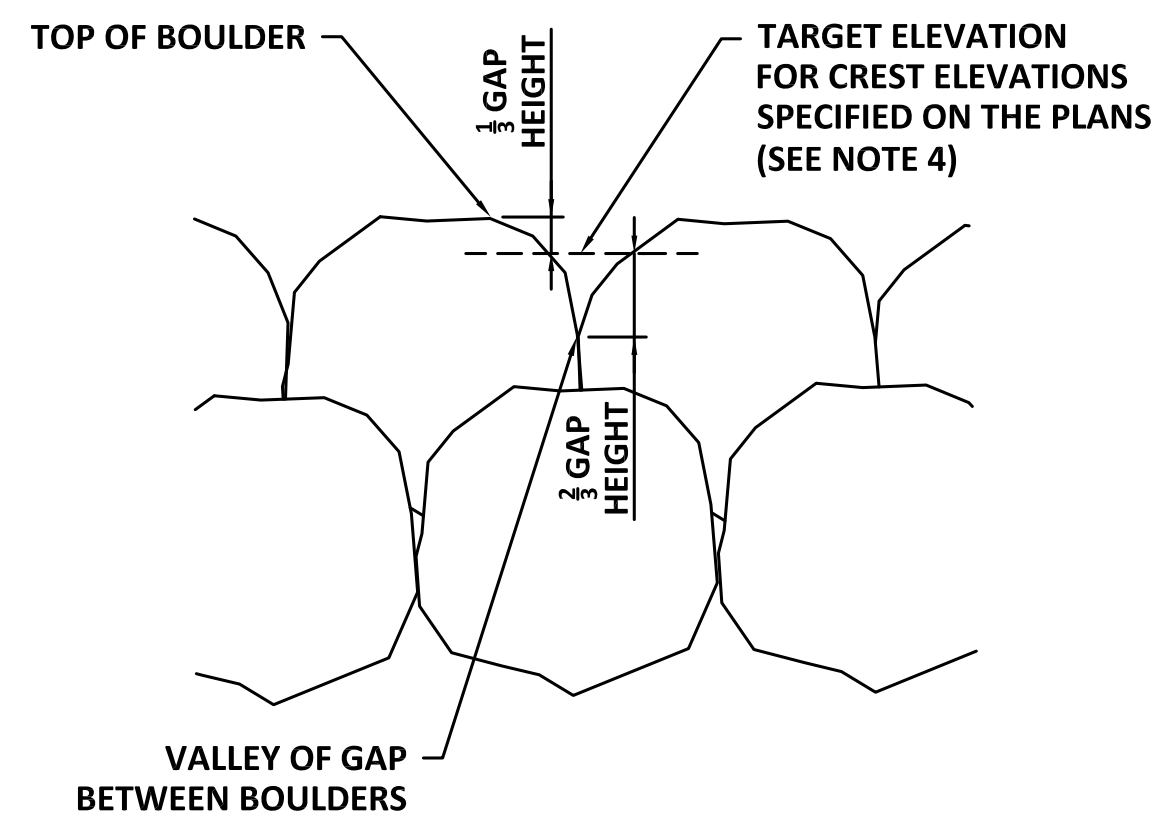
ACADIA CIVIL WORKS
ENGINEERING DESIGN & CONSULTATION



ACW Project No. 22001

GENERAL NOTES

1. THE CONTRACTOR IS REFERRED TO SECTION 01 10 00 OF THE SPECIFICATIONS REGARDING COORDINATION WITH OTHERS.
2. IF APPLICABLE, BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY EACH UTILITY. LOCATION OF PUBLIC UTILITIES, IF SHOWN, IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. PRIVATE UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO, SEWER LINES, WELLS, WATER LINES AND BURIED ELECTRICAL SERVICE ENTRANCES ARE NOT SHOWN. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE AND LOCAL RESIDENTS PRIOR TO COMMENCING WORK.
3. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICES UNLESS OTHERWISE NOTED.
4. CONTACT "DIG-SAFE" 1-800-225-4977 PRIOR TO CONSTRUCTION.
5. DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS AND STATIONING SHALL PREVAIL.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF ALL PERMITS AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. ANY REQUIRED PERMITS FOR THE CONSTRUCTION ACTIVITY, BUT NOT PROVIDED IN THE CONTRACT DOCUMENTS, ARE THE RESPONSIBILITY OF THE CONTRACTOR.
7. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY AND EASEMENTS. THE CONTRACTOR SHALL VERIFY THAT THE NECESSARY EASEMENTS HAVE BEEN SECURED BY THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH EASEMENT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED LINES AND STRUCTURES AS SHOWN ON THE DRAWINGS. THE LAYOUT PLAN SHALL BE REVIEWED BY THE ENGINEER PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL MINIMIZE CLEARING OPERATIONS. CLEARING AND GRUBBING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 31 10 00. CLEARING LIMITS SHALL BE AS INDICATED ON THE DRAWINGS, BUT AT ALL TIMES WITHIN EXISTING PROPERTY LINES OR EASEMENTS. ALL GRUBBINGS AND EXCESS EXCAVATED MATERIAL WILL BE DISPOSED OF AT A SITE PROVIDED BY THE CONTRACTOR IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS.
10. CONTRACTOR SHALL CONTROL DUST TO A TOLERABLE LIMIT AS OUTLINED IN SPECIFICATION SECTION 01 57 00. CONTRACTOR SHALL NOT TRACK OR SPILL EARTH AND DEBRIS ON PUBLIC STREETS OUTSIDE THE PROJECT AREA. STREETS OPENED TO THE PUBLIC SHALL BE KEPT SWEEP AND FREE OF DEBRIS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ALL EXISTING PROPERTY MONUMENTATION THAT IS DISTURBED BY HIS OPERATIONS AT NO EXPENSE TO THE OWNER. THIS WORK IS TO BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF MAINE.
12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
13. THE CONTRACTOR SHALL NOT HAVE ANY RIGHT OF PROPERTY IN ANY MATERIALS TAKEN FROM ANY EXCAVATION. SUITABLE EXCAVATED MATERIAL MAY BE INCORPORATED IN THE PROJECT, WITH EXCESS MATERIAL RETAINED BY THE OWNER UNLESS OTHERWISE DIRECTED. THESE PROVISIONS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF OBLIGATIONS TO PROPERLY DISPOSE OF AND REPLACE ANY MATERIAL DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE AND PROVIDE EXCESS MATERIAL TO THE OWNER IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CONTRACT DOCUMENTS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION AND CONTROL OF EROSION AND WATERBORNE TURBIDITY. ALL DISTURBED EARTH SURFACES ARE TO BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL IS TO BE IN A MANNER THAT WILL MINIMIZE EROSION. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE EXCAVATED MATERIAL AT A SITE PROVIDED BY THE CONTRACTOR WHICH IS IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS. MATERIALS AND METHODS USED FOR TEMPORARY EROSION CONTROL SHALL BE AS SPECIFIED BY THE "MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES" PREPARED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



WEIR CREST-ELEVATION DETAIL
NTS

CIVIL DEMOLITION NOTES

1. REFER TO THE EXISTING CONDITIONS PLAN, DRAWING C-100, FOR ADDITIONAL INFORMATION REGARDING EXISTING FACILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL DEMOLISHED, EQUIPMENT AND MATERIALS. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS. THE OWNER RESERVES THE RIGHT TO RETAIN ANY SUCH EQUIPMENT AND MATERIALS DESIGNATED FOR DEMOLITION FOR HIS USE. SUCH MATERIALS TO BE RETAINED SHALL BE PROPERLY STORED IN AN ON-SITE LOCATION. COORDINATE LOCATION AND MATERIALS TO BE SALVAGED WITH THE OWNER/ENGINEER.
3. THE CONTRACTOR SHALL KEEP A RECORD OF DEMOLITION AS PART OF THE PROJECT RECORD DOCUMENTS IN ACCORDANCE WITH SPECIFICATION SECTION 01 78 39.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE TREATMENT OF FLOWS RESULTING FROM PRECIPITATION AND DEWATERING OPERATIONS.

SITE CONSTRUCTION NOTES

1. ALL AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE LOAMED, GRADED, LIMED, FERTILIZED, SEEDED AND MULCHED, UNLESS OTHERWISE NOTED. THE TOP 6 INCHES OF SOIL SHALL BE LOAM. REFER TO SPECIFICATION SECTION 32 90 00.
2. THE CONTRACTOR SHALL PROVIDE PROPER EROSION AND TURBIDITY CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINE SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED WORK AS SHOWN ON THE DRAWINGS. THE ENGINEER WILL PROVIDE TWO POINTS THAT DEFINE THE HORIZONTAL CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PROVIDED LAYOUT INFORMATION THROUGHOUT THE COURSE OF CONSTRUCTION. REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
4. IN GENERAL, THE GIVEN STRUCTURE LOCATIONS ARE TO THE OUTSIDE FACE OF THE STRUCTURE FOUNDATION WALL, NOT FOOTINGS.
5. THE LOCATION AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO, THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT HIS ACTIVITIES TO THESE AREAS.
6. WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWINGS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.

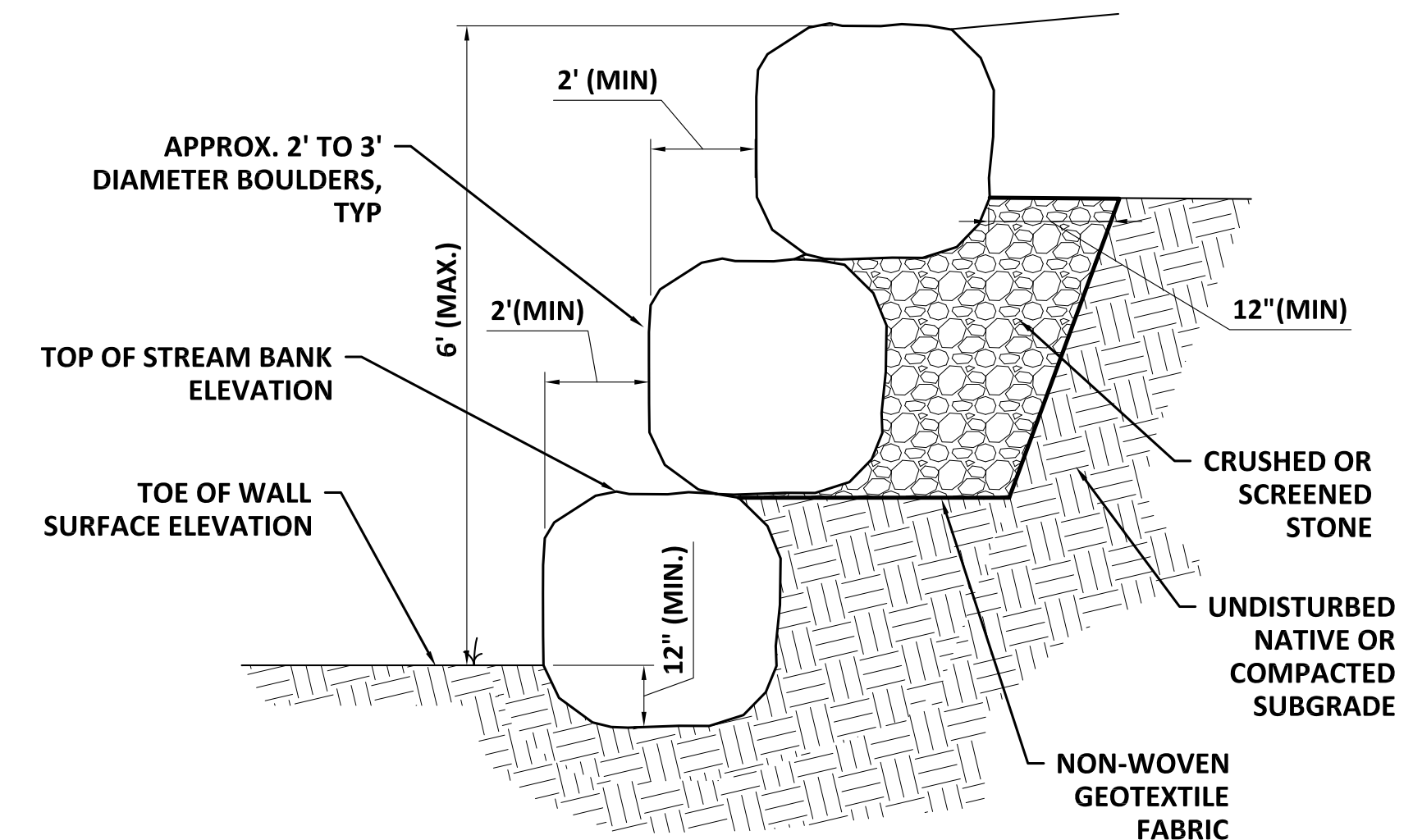
COORDINATION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE ENGINEER AND THE ASSOCIATED TOWN DEPARTMENT RELATED TO THE SCHEDULE AND SCOPE OF WORK.
2. THE ASSOCIATED ROADWAY MAY NOT BE CLOSED TO ACCOMPLISH THE ASSOCIATED PROJECT. AT THE ONSET OF THE PROJECT, THE CONTRACTOR SHALL COORDINATE THE SCHEDULE OF ROADWAY WORK AND ASSOCIATED TRAFFIC MANAGEMENT PLAN WITH THE, ENGINEER, OWNER, AND THE TOWN OF TEMPLE.
3. ATLANTIC SALMON ARE LISTED BY THE FEDERAL GOVERNMENT AS AN ENDANGERED SPECIES. ATLANTIC SALMON MAY BE PRESENT IN THE WATERBODIES ASSOCIATED WITH THIS WORK. IF ANY FISH (ANY SPECIES, NOT ONLY ATLANTIC SALMON) ARE ENCOUNTERED OR ARE ADJACENT TO THE WORK AREA, THE CONTRACTOR SHALL CEASE ALL IN-WATER WORK AND IMMEDIATELY NOTIFY THE OWNER OR ENGINEER.
4. THE CONTRACTOR IS REQUIRED TO PROVIDE 48 HOURS OF ADVANCED NOTICE TO THE RPR OR ENGINEER PRIOR TO INITIATING ANY NEW IN-WATER WORK.
5. STATE AND/OR FEDERAL FISHERIES AGENCIES WILL ESTABLISH EXCLUSION FENCING (BLOCK NETS) UPSTREAM AND DOWNSTREAM OF THE PROJECT IN EACH STREAM. AFTER THE BLOCK NETS ARE ESTABLISHED, THE AGENCIES WILL ALSO ENGAGE IN ELECTRO-FISHING WITHIN THE EXCLUSION AREA TO RELOCATE ANY FISH (INCLUDING ATLANTIC SALMON) THAT ARE ENTRAPPED WITHIN THE EXCLUSION AREA. THE AGENCIES ARE RESPONSIBLE FOR MAINTAINING THE NETS THROUGHOUT THE DURATION OF THE PROJECT, HOWEVER IF THE NETS BECOME COMPROMISED (BREACHED, BROKEN, ETC.) THE CONTRACTOR SHALL CEASE ALL IN-WATER WORK AND IMMEDIATELY CONTACT THE OWNER OR ENGINEER.

WEIR NOTES

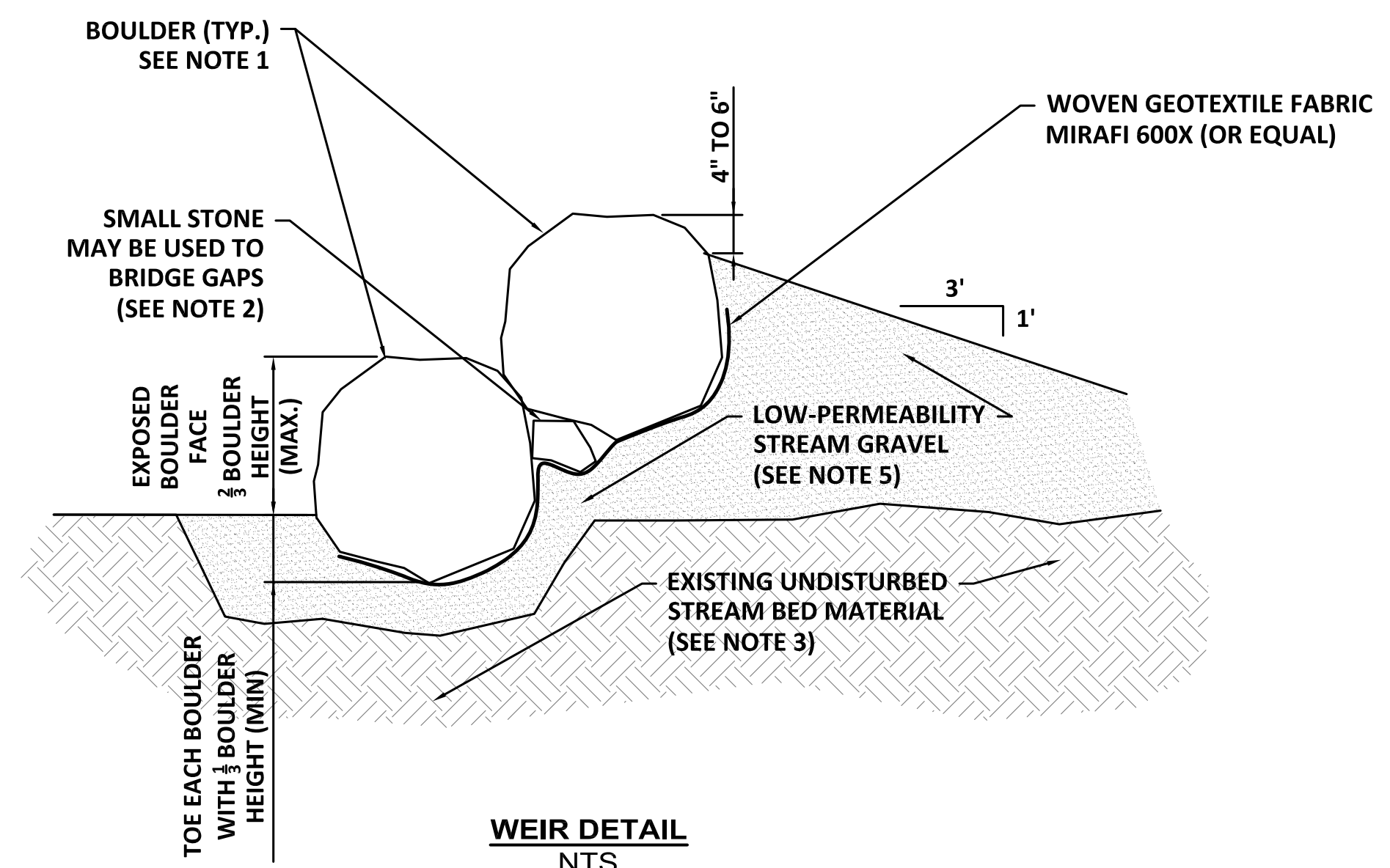
1. THE BOULDERS SHOWN ON THE PLANS HAVE BEEN DRAWN AT APPROXIMATELY 24 TO 36 INCHES IN DIAMETER FOR THE PURPOSES OF ILLUSTRATION. ACTUAL BOULDERS SHOULD VARY IN SIZE AND SHAPE. IN NO CASE MAY THE BOULDERS BE SMALLER THAN APPROXIMATELY 18 INCHES IN DIAMETER, UNLESS APPROVED BY THE ENGINEER. BOULDERS SHALL BE HARD, DURABLE, QUARRIED STONES OR FIELDSTONES. PRIOR TO COMMENCEMENT OF WORK THE SOURCE OF BOULDERS SHALL BE IDENTIFIED BY THE CONTRACTOR AND APPROVED BY THE OWNER AND ENGINEER.
2. SMALLER STONES MAY BE USED TO BRIDGE GAPS BETWEEN THE BOULDERS. THESE STONES SHALL BE LIMITED TO THE EXTENT NECESSARY TO FILL LARGE VOID SPACES BETWEEN THE BOULDERS AND SUPPORT THE GEOTEXTILE FABRIC/BACKFILL. THESE STONES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE WEIRS SO THAT THEY WILL REMAIN SECURE AFTER BACKFILL AND UPON ACTIVATION OF FLOW.
3. PRIOR TO PLACEMENT OF WEIR BOULDERS AND LOW-PERMEABILITY STREAM GRAVEL BACKFILL, THE EXISTING SUBGRADE SHALL BE PREPARED TO REMOVE UNSUITABLE MATERIAL. THIS INCLUDES THE REMOVAL OF ORGANIC MATERIALS, LOOSE SOIL, LOOSE ROCK, AND OR OTHER SURFACE MATERIALS THAT ARE NOT COMPACT NATIVE SOILS.
4. CREST, NOTCH, AND WEIR SHOULDER ELEVATIONS ARE SPECIFIED ON THE PLANS IN MANY LOCATIONS. THE ELEVATION SPECIFIED IS IN REFERENCE TO THE "TARGET" ELEVATION DEPICTED ON THE FISHWAY WEIR CREST-ELEVATION DETAIL ON THIS SHEET. THE ELEVATION IS NOT THE PEAK ELEVATION OF THE INDIVIDUAL STONES. THE "TARGET" ELEVATION IS THE IN REFERENCE TO THE CENTROID OF THE GAP BETWEEN THE LARGE STONES, WHICH IS APPROXIMATELY 1/3 OF THE VERTICAL DISTANCE (MEASURED FROM THE TOP) OF THE GAP BETWEEN THE LARGE WEIR STONES. ALL ELEVATIONS NOTED ON THESE PLANS RELATED TO STONE WEIR CRESTS, NOTCHES, AND SHOULDERS SHALL BE MEASURED AND RELATED TO THIS "TARGET" ELEVATION.
5. LOW-PERMEABILITY STREAM GRAVEL SHALL BE USED AS BACKFILL IN ALL LOCATIONS. THE LOW-PERMEABILITY STREAM GRAVEL SHALL BE A BLEND OF 4-INCH STONE (50% BY VOLUME) AND A WELL-GRADED GRAVEL MATERIAL FREE OF ORGANIC MATERIAL, WOOD, TRASH, AND/OR OTHER OBJECTIONABLE MATERIAL. ALL MATERIAL SHALL PASS THE 6-INCH SIEVE. THE WELL-GRADED GRAVEL SHALL MEET THE FOLLOWING GRADATION:

SIEVE DESIGNATION	PERCENT PASSING (BY WEIGHT)
2.5 INCH	60 - 90
1 INCH	45 - 75
1/2 INCH	25 - 50
NO. 200	10 - 15



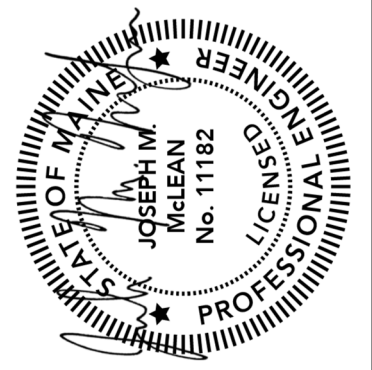
STONE RETAINING WALL

- STONE RETAINING WALL NOTES:
- 1) BOULDERS FOR STONE RETAINING WALL SHALL BE APPROXIMATELY 2' TO 3' IN DIAMETER. BOULDERS WITH A MEASURED THICKNESS (IN ANY DIMENSION) OF LESS THAN 18 INCHES WILL NOT BE ACCEPTABLE FOR USE.

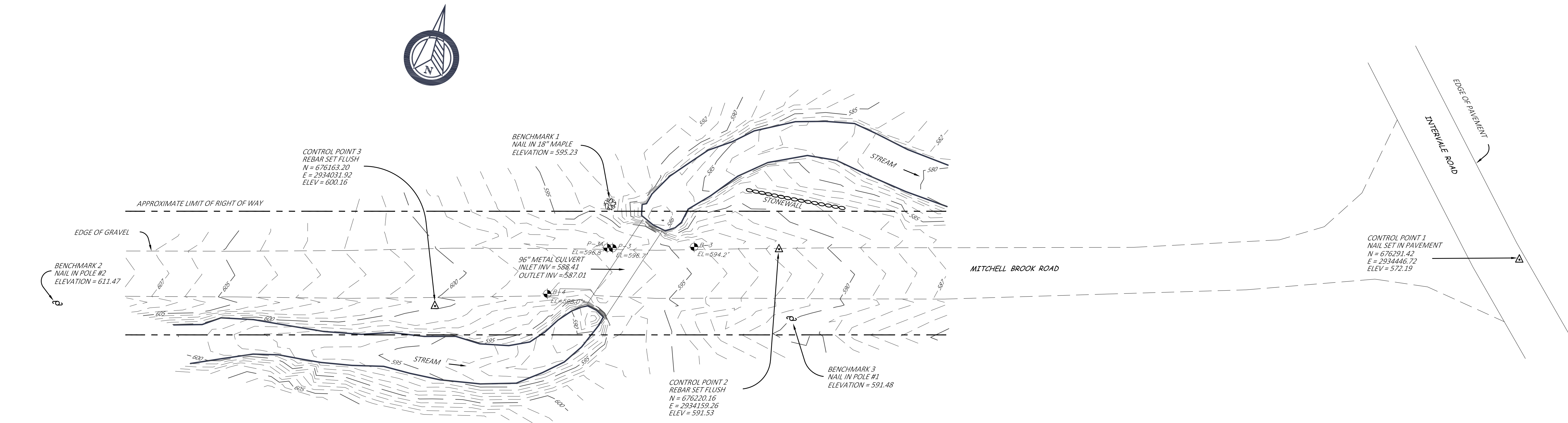


WEIR DETAIL
NTS

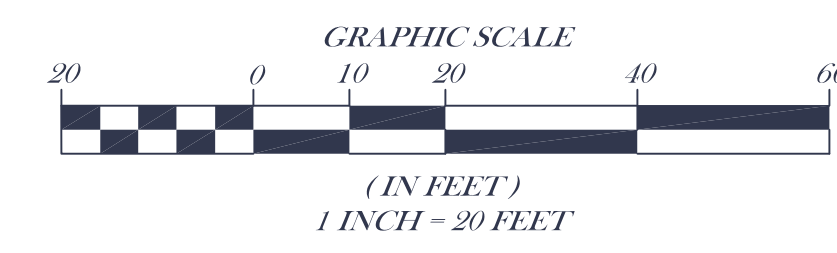
NO.	REVISION	DATE



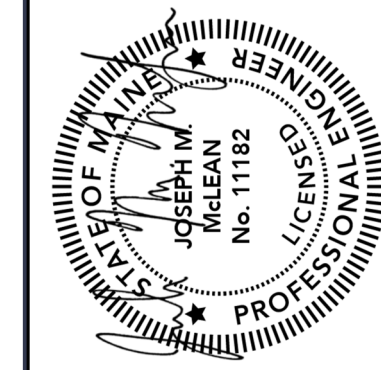
MITCHELL BROOK ROAD
STREAM CROSSING IMPROVEMENTS
TEMPLE, MAINE
ATLANTIC SALMON FEDERATION
GENERAL NOTES AND DETAILS
APRIL 2023



- GENERAL NOTES:**
- 1) VERTICAL ELEVATIONS ARE IN REFERENCE TO THE NAVD88 DATUM ESTABLISHED WITH GPS LOCATION EQUIPMENT. HORIZONTAL COORDINATES ARE IN REFERENCE TO NAD83 MAINE WEST.
 - 2) EXISTING CONDITIONS INFORMATION IS BASED UPON FIELD SURVEY PERFORMED BY DIRIGO SURVEYING OF WINTHROP MAINE. FOR ADDITIONAL INFORMATION REFER TO THE PLAN PREPARED BY DIRIGO SURVEYING TILED, "TOPOGRAPHIC SURVEY OF HENRY MITCHELL BROOK" DATED MAY 04, 2022.
 - 3) BORINGS WERE PERFORMED BY NORTHERN TEST BORING OF GORHAM, ME. REFER TO THE DETAILED SUBSURFACE EXPLORATIONS LOGS PREPARED BY NORTHERN TEST BORING FOR ADDITIONAL DETAIL.



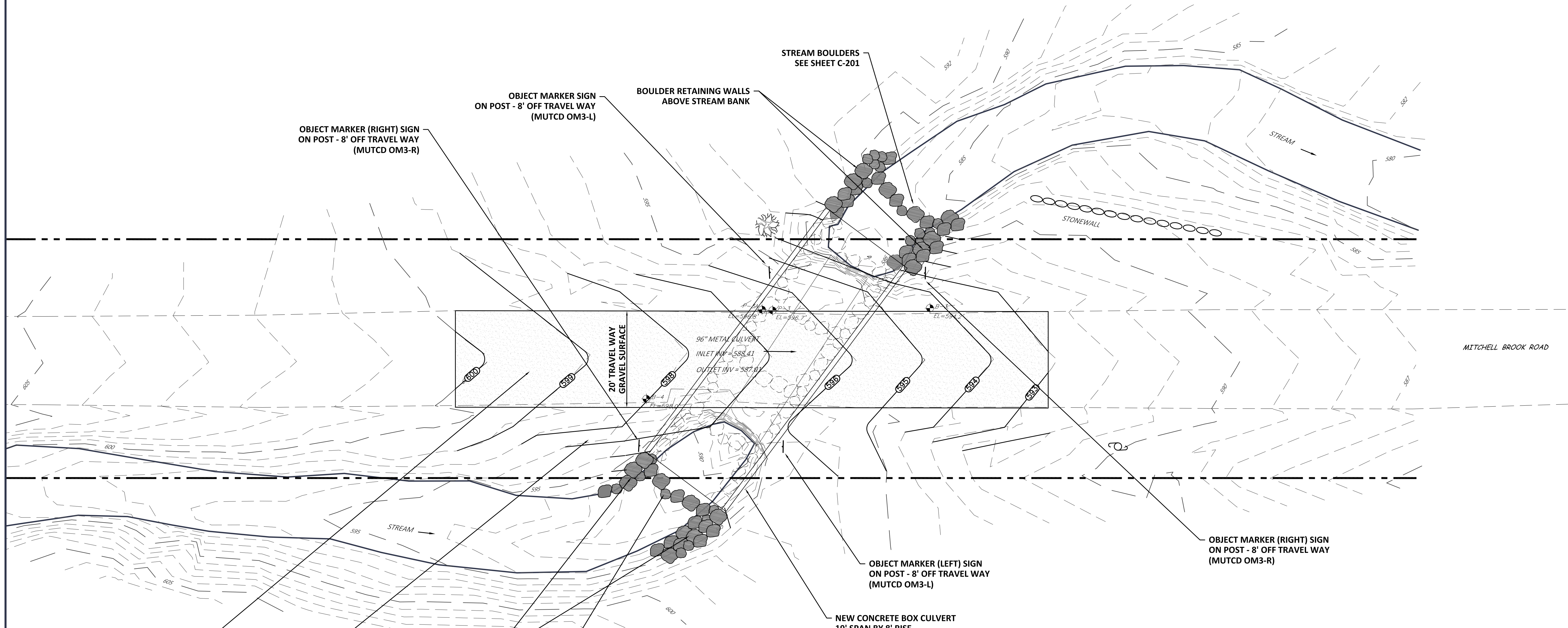
NO.	REVISION	APP'D	DATE



MITCHELL BROOK ROAD
 STREAM CROSSING IMPROVEMENTS
 TEMPLE, MAINE
 ATLANTIC SALMON FEDERATION
 EXISTING CONDITIONS PLAN
 APRIL 2023



ACADIA CIVIL WORKS



OBJECT MARKER SIGN ON POST - 8' OFF TRAVEL WAY (MUTCD OM3-L)

OBJECT MARKER (RIGHT) SIGN ON POST - 8' OFF TRAVEL WAY (MUTCD OM3-R)

BOULDER RETAINING WALLS ABOVE STREAM BANK

STREAM BOULDERS SEE SHEET C-201

20' TRAVEL WAY GRAVEL SURFACE

96" METAL CULVERT
INLET INV = 598.41
OUTLET INV = 587.81

EL=596.7
EL=594.2

NEW CONCRETE BOX CULVERT
19' SPAN BY 8' RISE

OBJECT MARKER (LEFT) SIGN ON POST - 8' OFF TRAVEL WAY (MUTCD OM3-L)

OBJECT MARKER (RIGHT) SIGN ON POST - 8' OFF TRAVEL WAY (MUTCD OM3-R)

MATCH EXISTING ROADWAY GRADES AND CENTERLINE ELEVATION

SLOPE S ADJACENT TO ROADWAY NO STEEPER THAN 3H TO 1V

BOULDER RETAINING WALLS ABOVE STREAM BANK

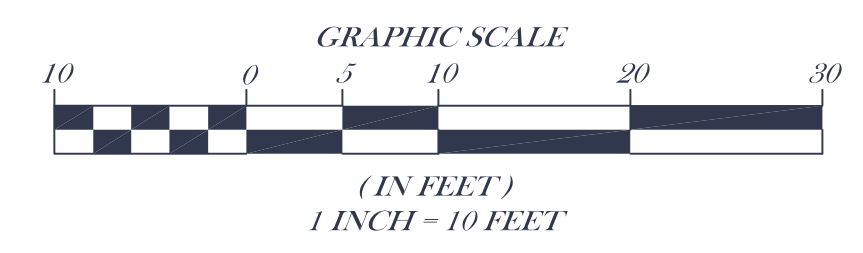
STREAM BOULDERS SEE SHEET C-201

STONEWALL

STREAM

MITCHELL BROOK ROAD

- GENERAL NOTES:**
- 1) VERTICAL ELEVATIONS ARE IN REFERENCE TO THE NAVD88 DATUM ESTABLISHED WITH GPS LOCATION EQUIPMENT. HORIZONTAL COORDINATES ARE IN REFERENCE TO NAD83 MAINE WEST.
 - 2) EXISTING CONDITIONS INFORMATION IS BASED UPON FIELD SURVEY PERFORMED BY DIRIGO SURVEYING OF WINTHROP MAINE. FOR ADDITIONAL INFORMATION REFER TO THE PLAN PREPARED BY DIRIGO SURVEYING TILED, "TOPOGRAPHIC SURVEY OF HENRY MITCHELL BROOK" DATED MAY 04, 2022.
 - 3) BORINGS WERE PERFORMED BY NORTHERN TEST BORING OF GORHAM, ME. REFER TO THE DETAILED SUBSURFACE EXPLORATIONS LOGS PREPARED BY NORTHERN TEST BORING FOR ADDITIONAL DETAIL.
 - 4) MITCHELL BROOK ROAD SHALL REMAIN OPEN THROUGHOUT THE DURATION OF CONSTRUCTION. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL COORDINATE THE SCHEDULE OF ROADWAY WORK AND ASSOCIATED TRAFFIC MANAGEMENT PLAN WITH THE ENGINEER, OWNER, AND THE TOWN OF TEMPLE.



ACADIA CIVIL WORKS
ENGINEERING & CONSULTING

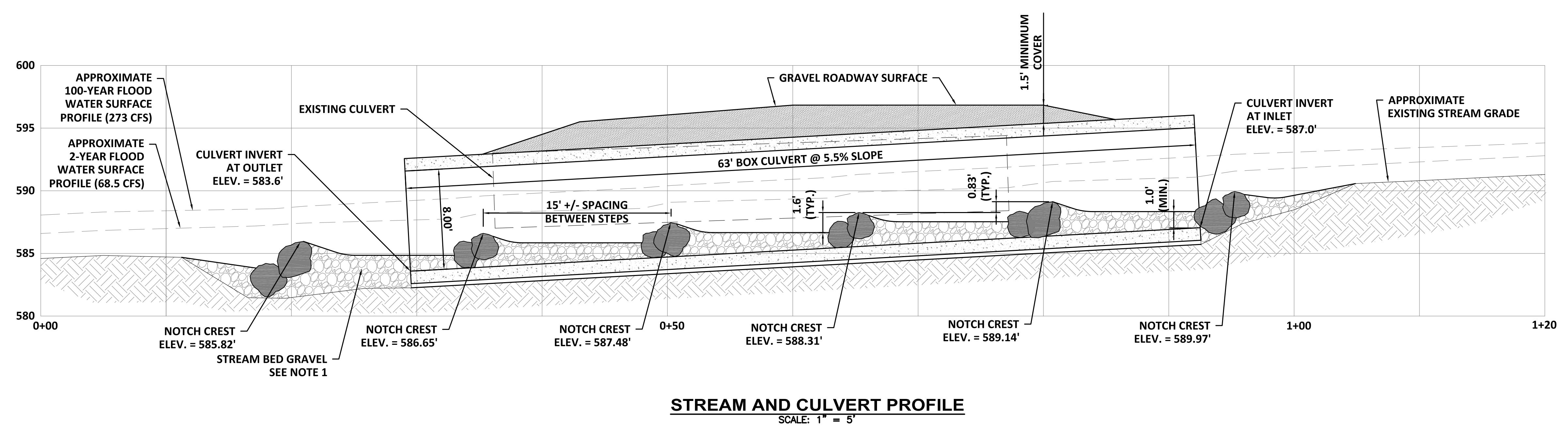
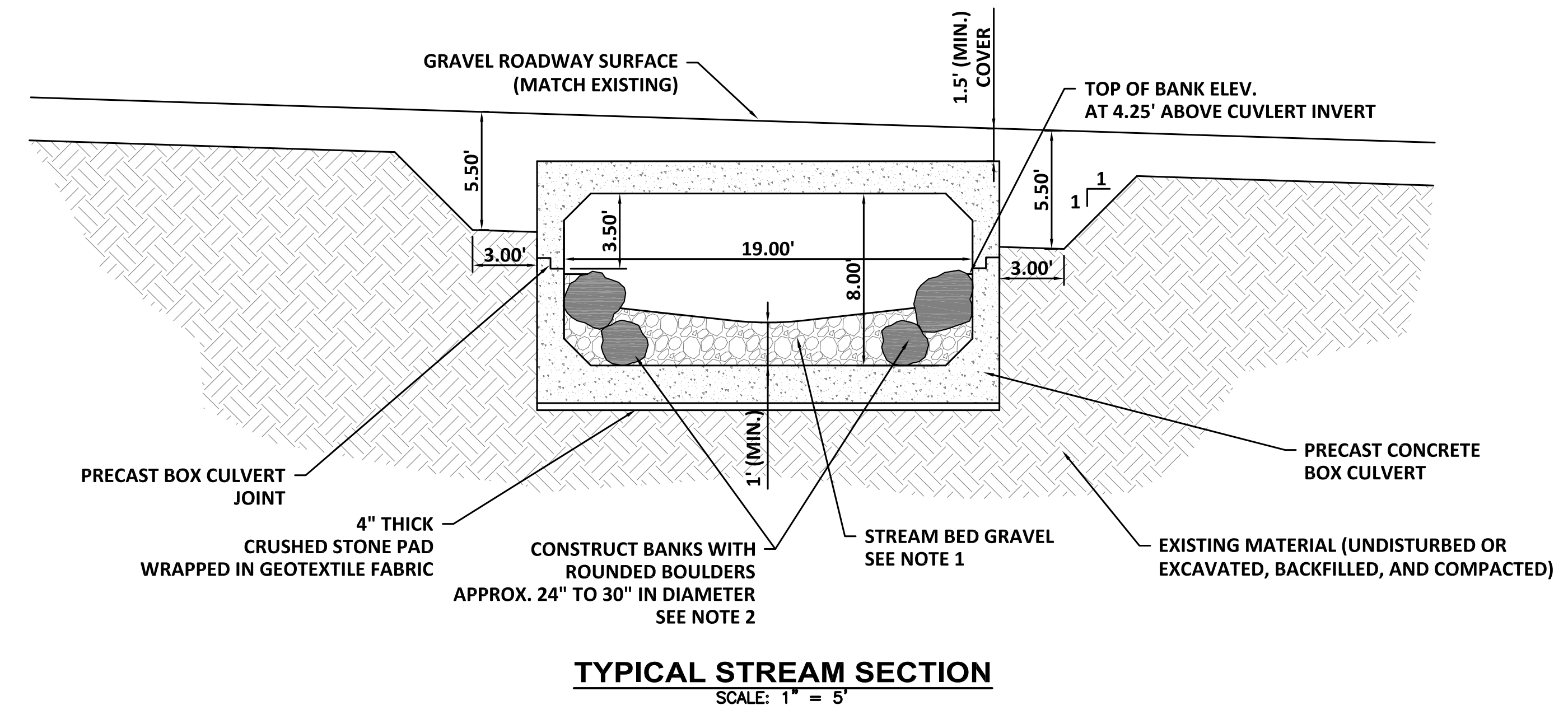
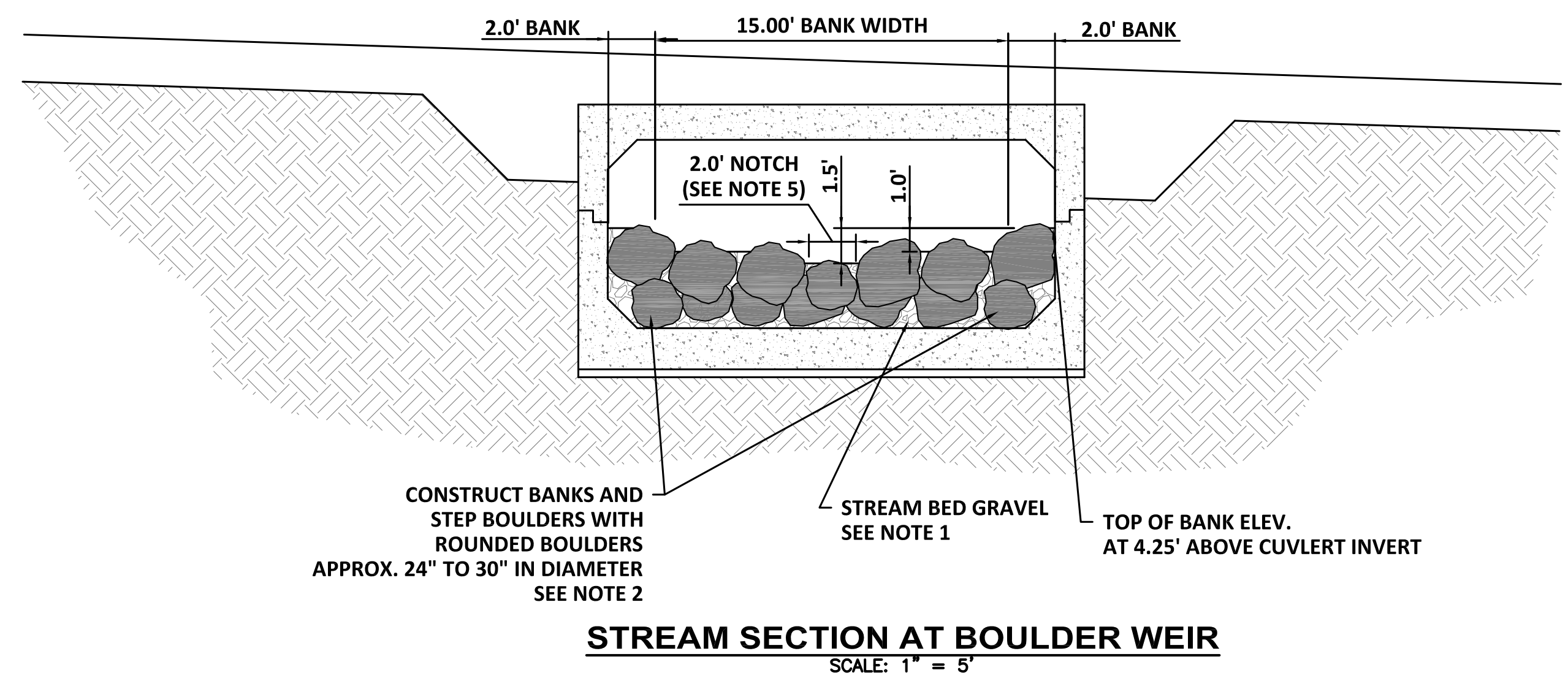
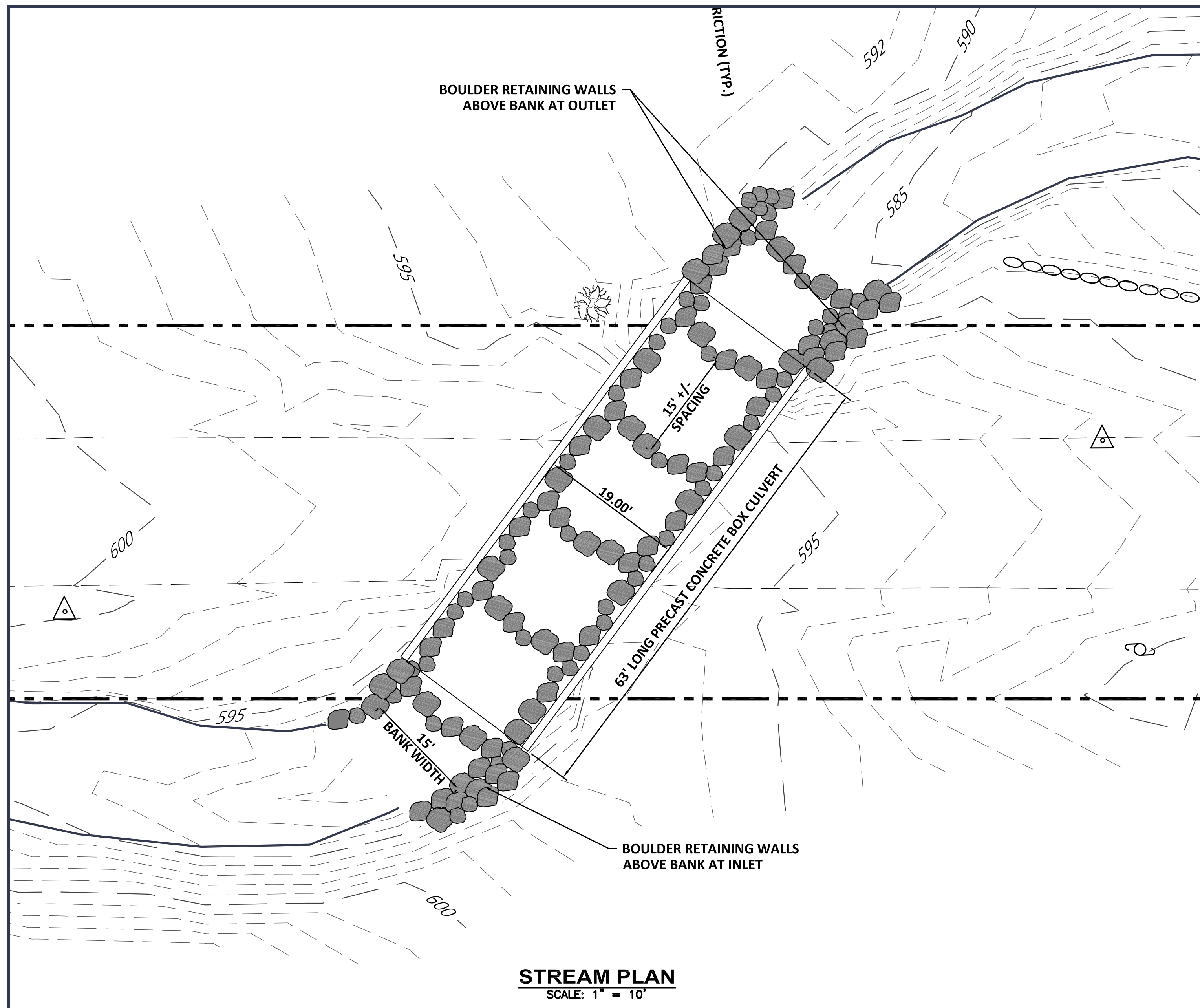
(207) 212-9330
PO Box 212
Leeds, Maine
acadiacivilworks.com

APP'D	DATE	REVISION	NO.	CORPS REVIEW	NO.	DATE
JMM	7/27/23		A			

MITCHELL BROOK ROAD
STREAM CROSSING IMPROVEMENTS
TEMPLE, MAINE
ATLANTIC SALMON FEDERATION
IMPROVEMENTS PLAN

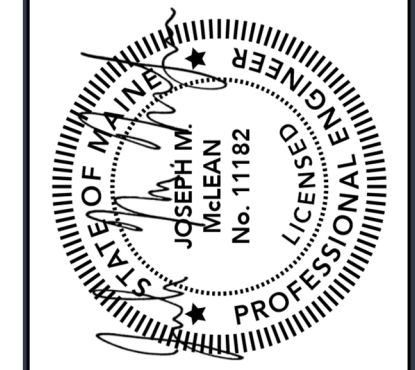
APRIL 2023

DRAWING
C-101



- STREAM BED AND BOULDER BANK NOTES:**
- 1) ALL NATIVE IN-SITU MATERIALS EXCAVATED FROM THE STREAM BED SHALL BE STOCKPILED FOR REUSE AS WEIR AND STREAM BED BACKFILL, AS WELL AS STREAM BANK CONSTRUCTION MATERIAL. REFER TO WEIR NOTE #5 ON SHEET C-001.
 - 2) THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER DURING EXCAVATION ACTIVITIES TO DETERMINE WHICH EXCAVATED MATERIALS ARE CONSIDERED NATIVE MATERIAL, AS WELL AS IN THE PLACEMENT OF ASSOCIATED NATIVE MATERIALS AS STREAM BED AND IN THE CONSTRUCTION OF BOULDER BANK AND WEIRS.
 - 3) THE PLACEMENT OF STREAM BANK BOULDERS SHALL BE IN SINGLE LIFTS TO ALLOW FOR FILLING OF THE VOID SPACES BETWEEN THE BOULDERS. THE FILL BETWEEN THE BOULDERS SHALL BE PLACED LOOSELY AND COMPACTED WITH HAND EQUIPMENT (TAMPING) OR HYDRAULIC METHODS (GRAVEL WASHING). THE CONTRACTOR SHALL COORDINATE THE BANK CONSTRUCTION AND COMPACTION METHODS WITH THE ENGINEER TO ENSURE ADEQUATE COMPACTION IS ARCHIVED.
 - 4) STREAM BED GRAVELS SHALL BE PLACED LOOSELY AND COMPACTED WITH HYDRAULIC METHODS (GRAVEL WASHING). REFER TO SPECIFICATION SECTION 31 20 00.
 - 5) EACH STONE WEIR SHALL HAVE A LOW FLOW NOTCH THAT IS APPROXIMATELY 2 FEET WIDE AND 6 INCHES DEEP. COORDINATE NOTCH LOCATION WITH ENGINEER IN THE FIELD.

NO.	REVISION	APP'D	DATE



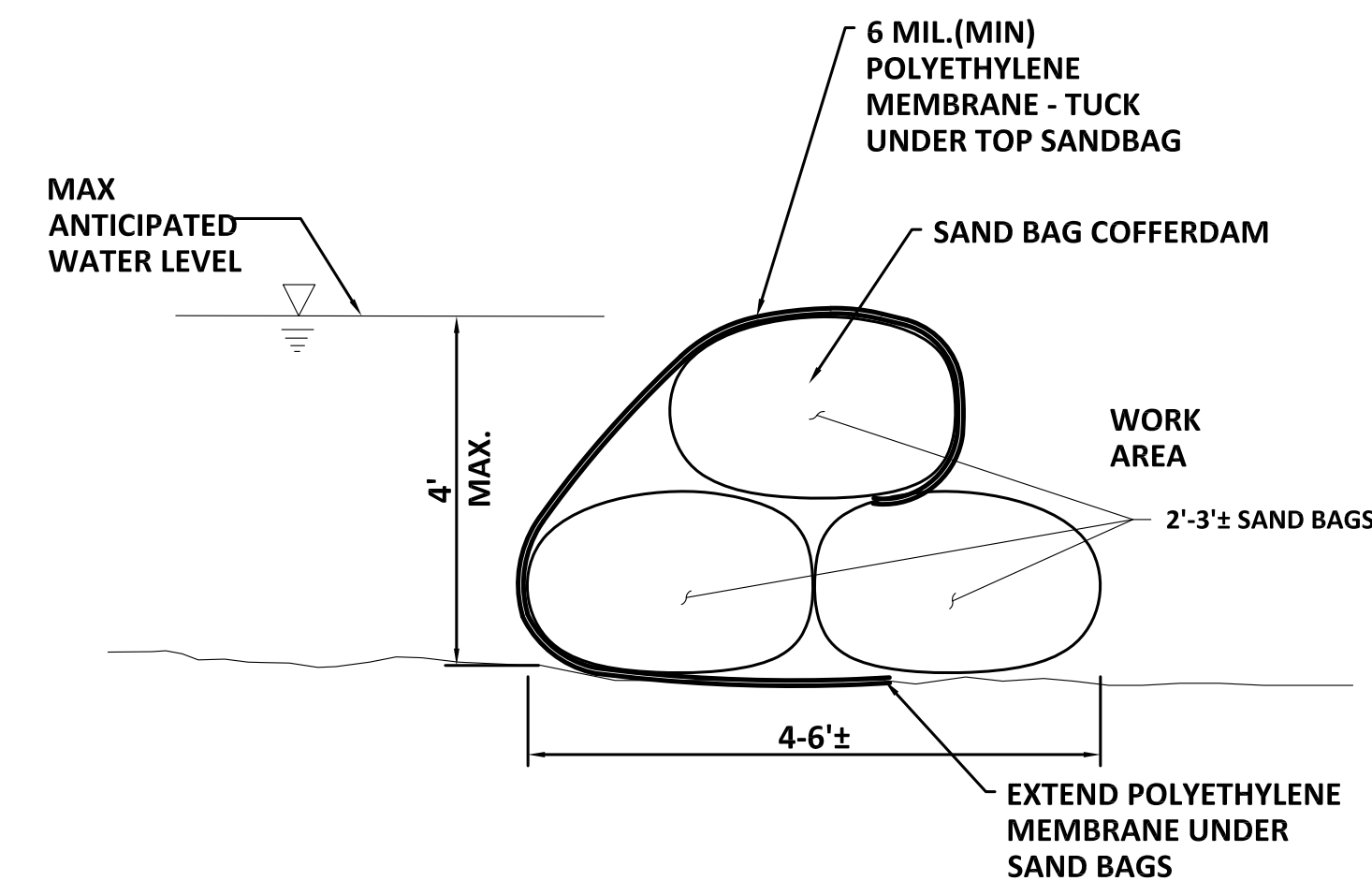
MITCHELL BROOK ROAD
STREAM CROSSING IMPROVEMENTS
TEMPLE, MAINE
ATLANTIC SALMON FEDERATION
STREAM PLAN AND PROFILE
APRIL 2023

EROSION AND SEDIMENTATION CONTROL NOTES

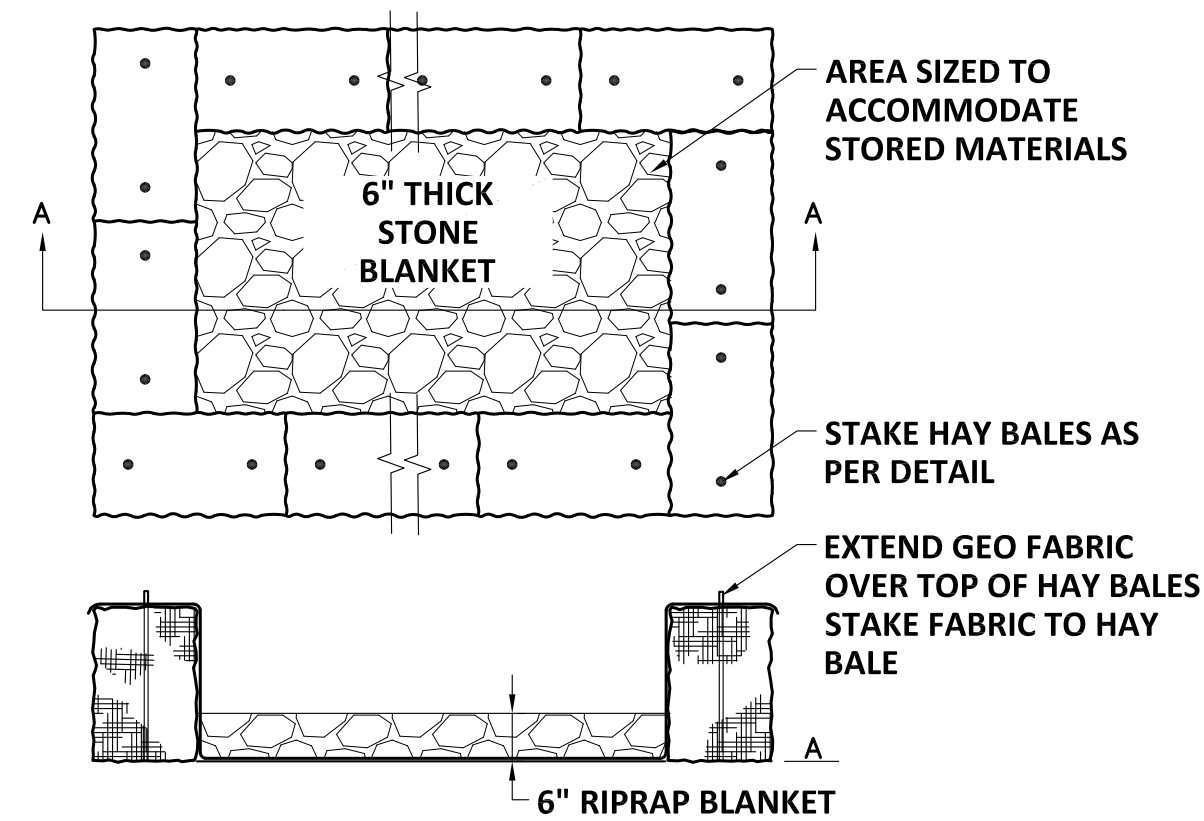
THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION. THIS STRATEGY IS BASED ON THE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENTATION CONTROL PRACTICES AS DETAILED IN THE "MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES" MANUAL AS PUBLISHED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED OCTOBER 2016.

THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL STRUCTURES AND BMPS ARE SHOWN ON THE PLAN BELOW. THESE LOCATIONS SHOULD BE SEEN AS A GUIDELINE AND WILL LIKELY REQUIRE ADJUSTMENT THROUGHOUT CONSTRUCTION AS SITE CONDITIONS CHANGE.

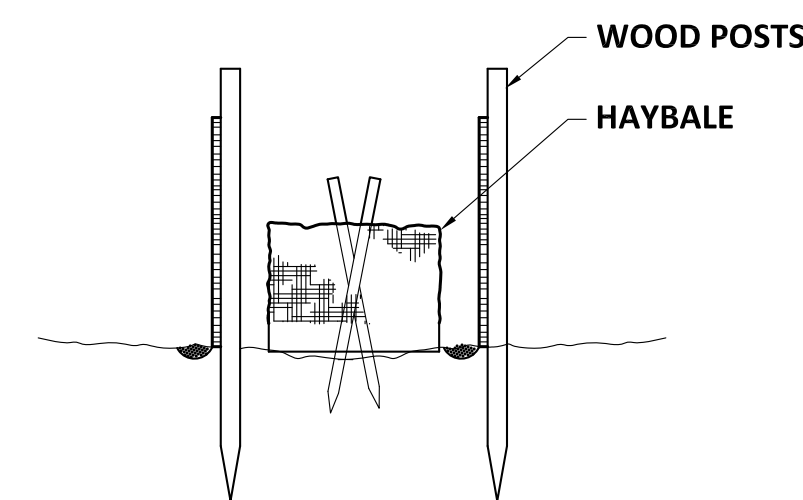
- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH THE "MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES", MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, DATED OCTOBER 2016. THE CONTRACTOR IS ENCOURAGED TO ACQUIRE THE ACCOMPANYING "MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS."
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE MAINTAINED IN AN UNTREATED OR UNVEGETATED CONDITION FOR THE MINIMUM TIME REQUIRED. IN GENERAL AREAS TO BE VEGETATED SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL.
- SEDIMENT BARRIERS (SILT FENCE, HAY BALES, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF UPGRADIENT DRAINAGE AREAS.
- INSTALL SILT FENCE AT TOE OF SLOPES TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION. SILT FENCE WILL REMAIN IN PLACE PER NOTE #5.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THEY REACH APPROXIMATELY ONE THIRD THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2 TO 1) UNLESS STABILIZED WITH RIPRAP OR OTHER STRUCTURAL MEANS.
- IF FINAL SEEDING AND SODDING IS NOT EXPECTED PRIOR TO THE ANTICIPATED DATE OF THE FIRST KILLING FROST, USE TEMPORARY ANNUAL RYEGRASS SEEDING AND MULCHING ON ROUGH GRADED SUBSOIL TO PROTECT THE SITE AND DELAY PERMANENT LOAMING, FINE GRADING, AND SEEDING OR SODDING UNTIL SPRING.
- WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISH GRADED SHALL BE COMPLETED 30 DAYS PRIOR TO THE FIRST KILLING FROST.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS. POST SEEDING SEDIMENT, IF ANY, WILL BE DISPOSED OF IN AN ACCEPTABLE MANNER.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND REVEGETATED.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
- STABILIZATION SCHEDULE BEFORE WINTER:
 - SEPTEMBER 15** ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED. ALL SLOPES MUST BE STABILIZED, SEEDED AND MULCHED. SLOPES 3:1 OR GREATER TO BE STABILIZED WITH EROSION CONTROL MATTING AND SEEDED. ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS MUST BE SEEDED AT A SEEDING RATE OF 3 POUNDS PER 1,000 SQUARE FEET AND MULCHED.
 - OCTOBER 1** ALL GRASS-LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR EROSION CONTROL BLANKET.
 - NOVEMBER 15** ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED. SLOPES THAT ARE COVERED WITH RIPRAP MUST BE CONSTRUCTED BY THAT DATE.
 - DECEMBER 1** ALL DISTURBED AREAS WHERE THE GROWTH OF VEGETATION FAILS TO BE AT LEAST THREE INCHES TALL OR AT LEAST 75% OF THE DISTURBED SOIL IS COVERED BY VEGETATION, MUST BE PROTECTED FOR OVER-WINTER.



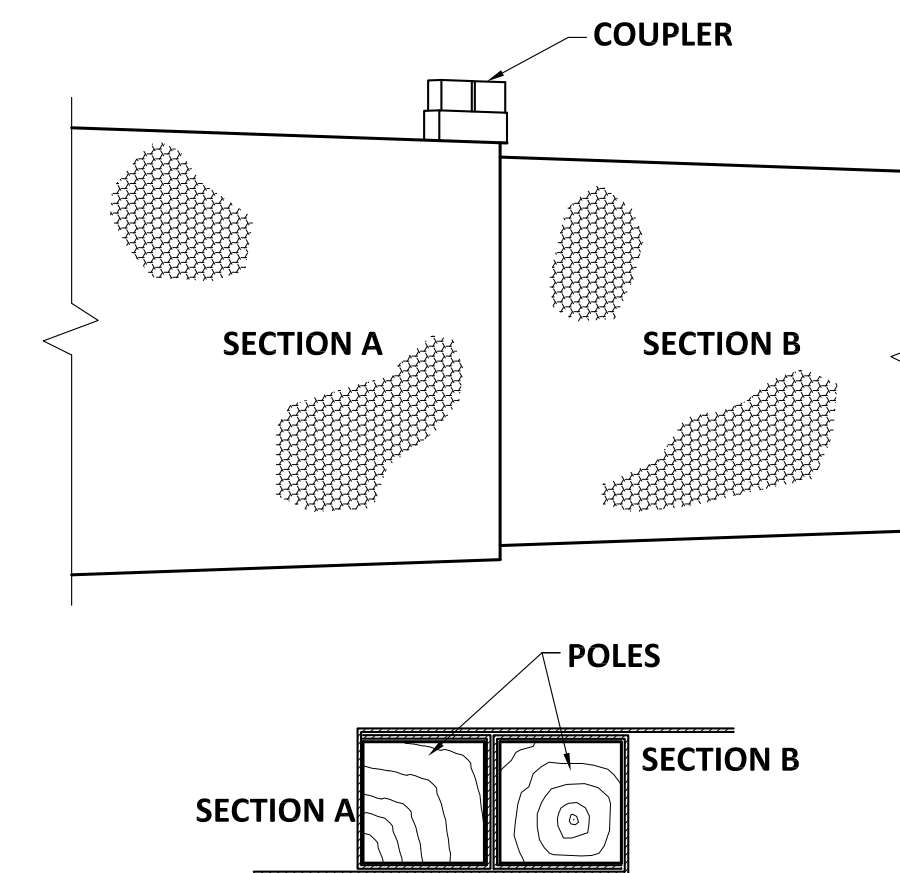
COFFER DAM
SCALE: "NTS"



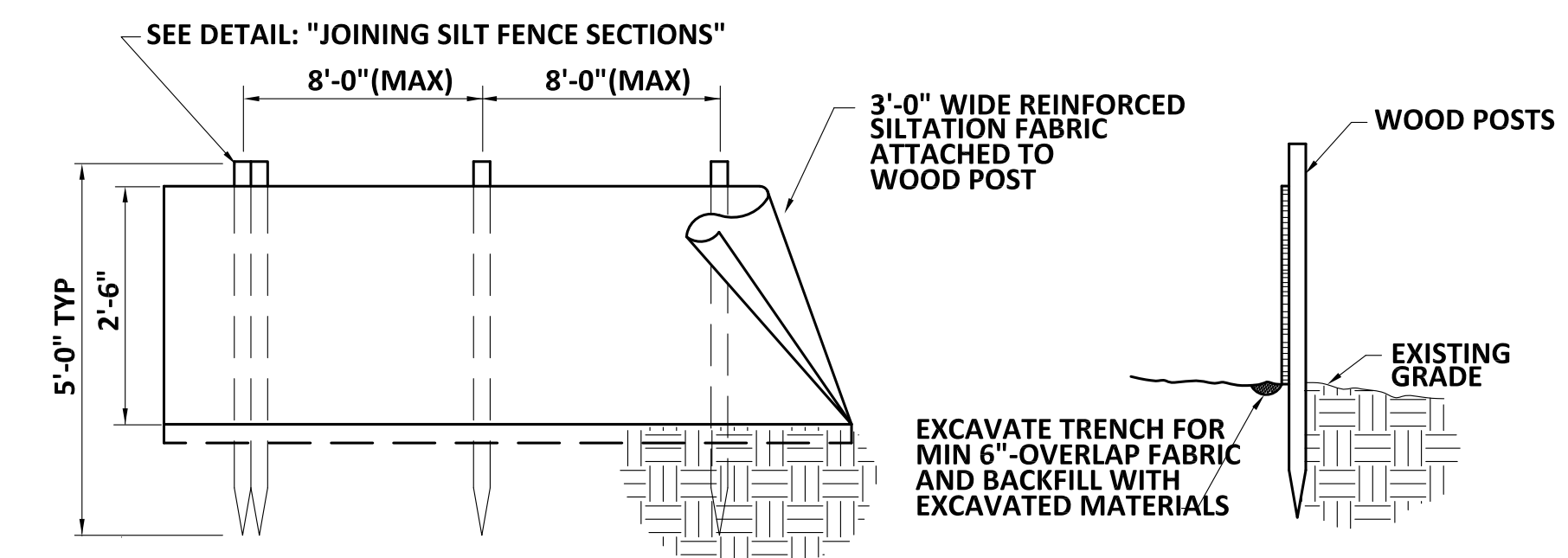
TEMPORARY HAY BALE SEDIMENT BASIN
SCALE: "NTS"



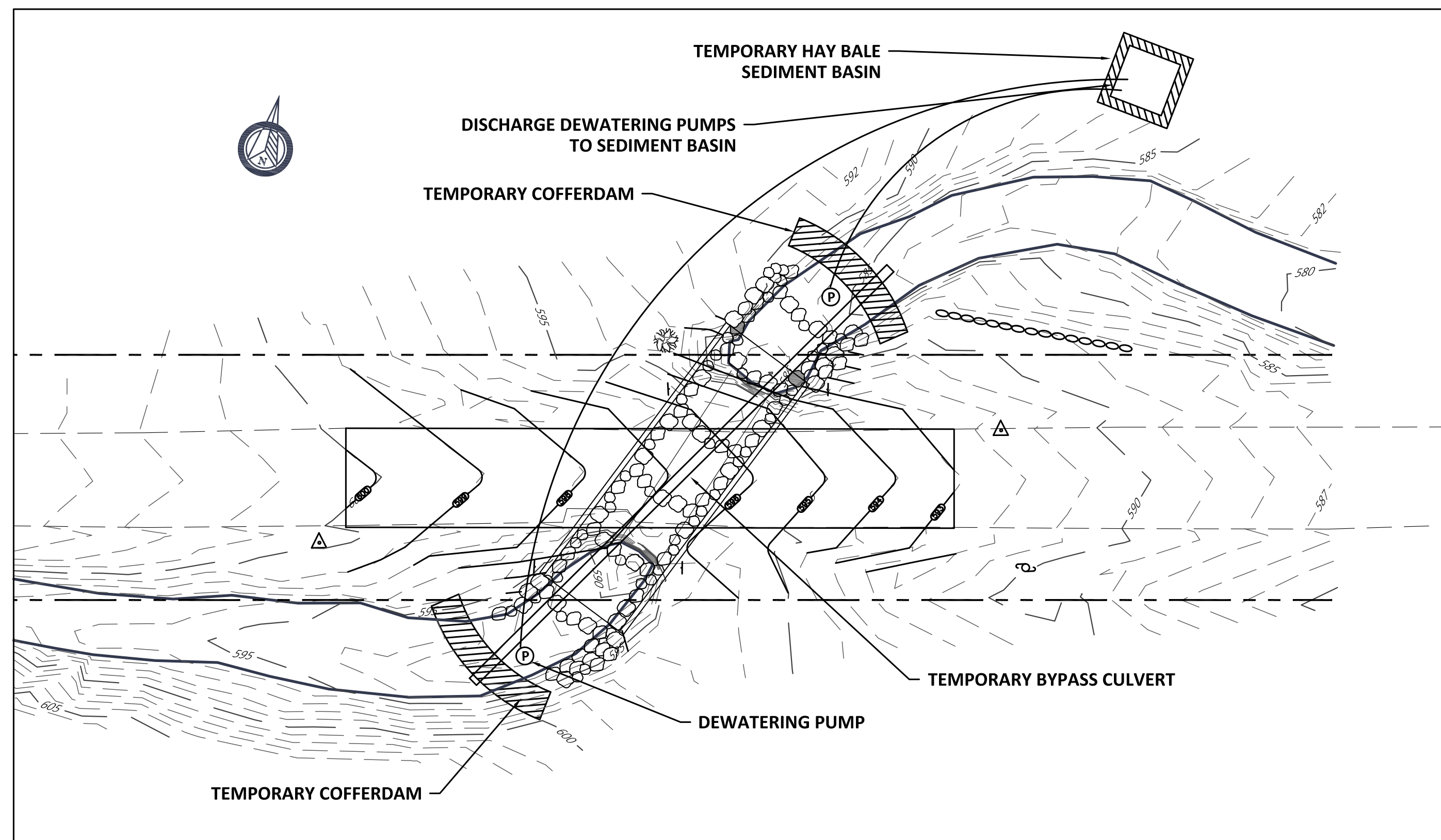
COMBINATION SILT FENCE AND HAY BALE BARRIER
SCALE: "NTS"



JOINING SILT FENCE SECTIONS
SCALE: "NTS"



SILT FENCE INSTALLATION DETAIL
SCALE: "NTS"



MITCHELL BROOK ROAD
DEWATERING PLAN
1" = 20'

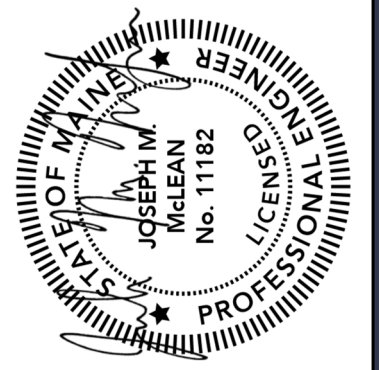
CONSTRUCTION OPERATION & MAINTENANCE NOTES:

RIPARIAN VEGETATION ALONG THE BANK OF THE CHANNEL WILL BE MAINTAINED TO THE EXTENT PRACTICABLE. EROSION OR VEGETATION THAT WAS REMOVED/DAMAGED DURING CONSTRUCTION WILL BE RESTORED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS.

THE FOLLOWING PRACTICES WILL BE IMPLEMENTED DURING THE CONSTRUCTION OF THIS PROJECT TO REDUCE TEMPORARY IMPACTS TO THE EXTENT PRACTICABLE:

- WORK WITHIN THE STREAM MAY ONLY OCCUR DURING THE "IN-WATER WORK WINDOW" PRESCRIBED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE UNITED STATES ARMY CORPS OF ENGINEERS. THIS PERIOD IS BETWEEN JULY 15TH AND SEPTEMBER 30TH.
- ATLANTIC SALMON MAY BE PRESENT IN THESE WATERBODIES. THE ATLANTIC SALMON IS LISTED BY THE FEDERAL GOVERNMENT AS AN ENDANGERED SPECIES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE ENGINEER AND STATE/FEDERAL FISHERIES AGENCIES TO COMPLY WITH FEDERAL PERMIT REQUIREMENTS ASSOCIATED WITH THE ENDANGERED ATLANTIC SALMON. IF ANY FISH (ATLANTIC SALMON OR OTHERWISE) ARE ENCOUNTERED IN OR ADJACENT TO THE WORK AREA, THE CONTRACTOR SHALL CEASE ALL IN-WATER WORK ACTIVITIES AND CONTACT THE RPR OR ENGINEER. REFER TO COORDINATION NOTES ON SHEET C-001.
- WORK WILL NOT BE CONDUCTED DURING A SIGNIFICANT RAIN EVENT;
- USE OF A SANDBAG COFFERDAM OR STREAM DIVERSION WILL BE USED TO ALLOW EQUIPMENT TO WORK IN REASONABLY DRY CONDITIONS TO MINIMIZE ENVIRONMENTAL IMPACT;
- COFFERDAMS AND STREAM DIVERSIONS SHALL BE CONTAINED WITH FLOATING SEDIMENT BARRIERS, WHERE POSSIBLE.
- USE OF HEAVY EQUIPMENT AND TECHNIQUES THAT WILL RESULT IN EXCESSIVE SOIL DISTURBANCES OR COMPACTION OF SOILS AND IMPACTS TO RIPARIAN VEGETATION, ESPECIALLY ON STEEP OR UNSTABLE SLOPES, WILL BE AVOIDED;
- HEAVY EQUIPMENT USED BELOW THE ORDINARY HIGH WATER MARK WILL BE CLEANED (E.G. POWER WASHED, STEAMED, ETC.) PRIOR TO USE. MACHINERY WILL BE INSPECTED FOR FLUID AND FUEL LEAKS AFTER CLEANING AND PRIOR TO ENTERING SENSITIVE AREAS. STREAMS, RIPARIAN ZONES, AND WETLANDS WILL NOT BE USED AS EQUIPMENT STAGING OR REFUELING AREAS. EQUIPMENT WILL BE STORED, SERVICED AND FUELED IN A CONTAINED AREA THAT IS AT LEAST 50 FEET AWAY FROM AQUATIC HABITATS OR OTHER SENSITIVE AREAS;
- ALL DISTURBED SOILS WILL BE STABILIZED WITH APPROPRIATE MATERIALS, INCLUDING PLANTING OF NATIVE VEGETATION, WITHIN THREE DAYS OF THE END OF CONSTRUCTION; AND
- WHERE EXCESS EXCAVATED MATERIAL IS GENERATED, THE MATERIAL WILL BE SALVAGED OR DISPOSED OF PROPERLY TO PROTECT THE STREAM OR OTHER AQUATIC HABITATS, LIKE WETLANDS, FROM EROSION AND SEDIMENTATION.

NO.	REVISION	APP'D	DATE

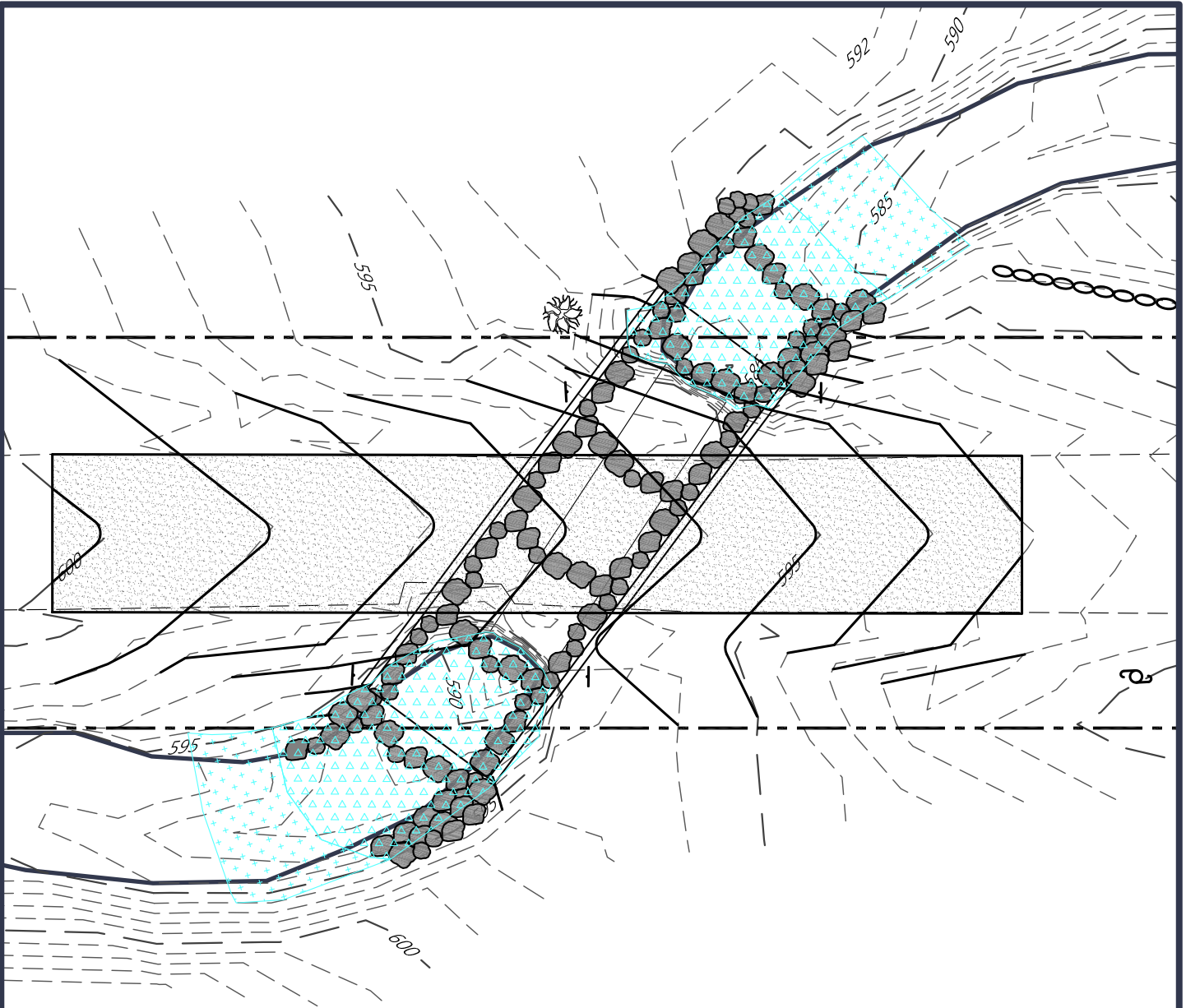



MITCHELL BROOK ROAD
STREAM CROSSING IMPROVEMENTS
TEMPLE, MAINE
ATLANTIC SALMON FEDERATION
DEWATERING & EROSION CONTROL PLAN
APRIL 2023


(207) 212-9330
PO Box 212
Leeds, Maine
acadiacivilworks.com



ACADIA CIVIL WORKS



 TEMPORARY DISTURBANCE TO LAND BELOW ORDINARY HIGH WATER = 1,700 S.F.
 SANDBAG COFFERDAMS = 25 CUBIC YARDS

 PERMANENT ALTERATION TO LAND BELOW ORDINARY HIGH WATER = 515 S.F.
 LARGE STONE/BOULDERS = 54 CUBIC YARDS
 PRECAST CONCRETE = 48 CUBIC YARDS
 STREAM BED GRAVEL = 95 CUBIC YARDS