

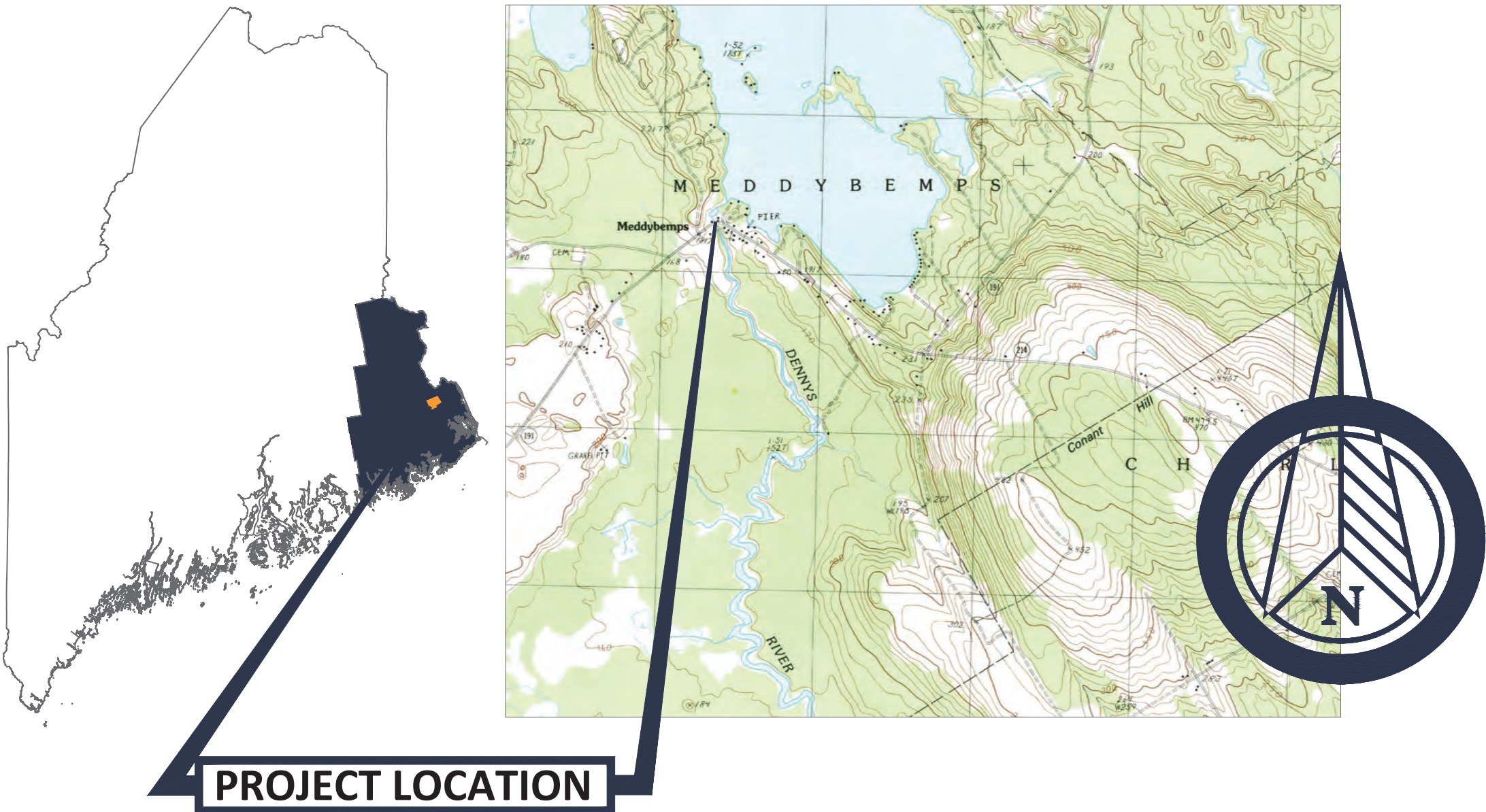
EASTERN SURPLUS COMPANY POWERHOUSE REMOVAL
ON THE DENNYS RIVER NEAR MEDDYBEMPS LAKE
DESIGN DOCUMENTS FOR
DOWNEAST SALMON FEDERATION

April 2021

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Meddybemps, Maine



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ACADIA CIVIL WORKS
ENGINEERING DESIGN & CONSULTATION

PROGRESS PRINT
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04/30/2021

ACW Project No. 21001

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 SWEPT 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 DISPOSED OF AT A LOCATION PROVIDED BY THE CONTRACTOR. 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 EXCESS MATERIAL 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.
15.

IF ANY CULTURAL RESOURCES ARE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE OWNER, ENGINEER, AND MAINE STATE HISTORIC PRESERVATION OFFICE.
16.

IF A DISCHARGE OF SEDIMENT OR CONTAMINATED MATERIALS (E.G. HYDRAULIC FLUID, OIL, GREASE, FUEL) INTO A WATERBODY OCCURS, THE CONTRACTOR SHALL NOTIFY THE OWNER, ENGINEER, THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND THE US ARMY CORPS OF ENGINEERS.

CIVIL DEMOLITION NOTES

1.

REFER TO THE EXISTING CONDITIONS PLANS, DRAWING C-100 AND C-101, 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.























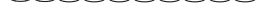

























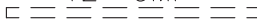



















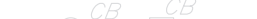

































































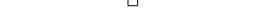





THE CONTRACTOR SHALL PROVIDE PROPER EROSION AND TURBIDITY CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINe SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING.
3.

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.

EXISTING		PROPOSED
	PROPERTY/ROW LINE	
	SETBACK LINE	
	EASEMENT LINE	
	CENTERLINE	
	EDGE OF PAVEMENT	
	CURBING	
	EDGE OF GRAVEL	
	EDGE OF CONCRETE	
	CONTOUR	
	BUILDING	
	STONEWALL	
	TREELINE	
	CHAIN LINK FENCE	
	STOCKADE FENCE	
	BARB WIRE FENCE	
	RETAINING WALL	
	GUARDRAIL	
	SEWER	
	SEWER FORCE MAIN	
	GAS	
	WATER	
	STORM DRAIN	
	UNDERDRAIN	
	CULVERT	
	UNDERGROUND ELECTRIC	
	OVERHEAD ELECTRIC	
	IRON PIPE/REBAR	
	DRILLHOLE	
	MONUMENT	
	SURVEY CONTROL POINT	
	SPOT ELEVATION	
	SEWER MANHOLE	
	DRAINAGE MANHOLE	
	CATCH BASIN	
	ELECTRIC MANHOLE	
	TELEPHONE MANHOLE	
	SHUTOFF VALVE	
	WATER SERVICE SHUTOFF	
	YARD HYDRANT	
	HYDRANT	
	UTILITY POLE	
	UTILITY POLE W/ GUY	
	UTILITY POLE W/ LIGHT	
	LIGHT POLE	
	BOLLARD	
	FLAGPOLE	
	CONIFEROUS TREE	
	DECIDUOUS TREE	
	SHRUB	
	EDGE OF WATER	
	STREAM	
	EDGE OF WETLANDS	
	FLOODPLAIN	
	WETLANDS	
	DRAINAGE FLOW	
	DRAINAGE SWALE	
	PAVEMENT MARKINGS	
	SIGN	
	MAILBOX	
	TEMPORARY BENCH MARK	
	TEST PIT	
	TEST BORING	
	TEST PROBE	
	MONITORING WELL	
	LIMIT OF WORK	
	SILT FENCE	
	RIPRAP	
	RAILROAD	
	MATCHLINE	
	ROCK OUTCROP	

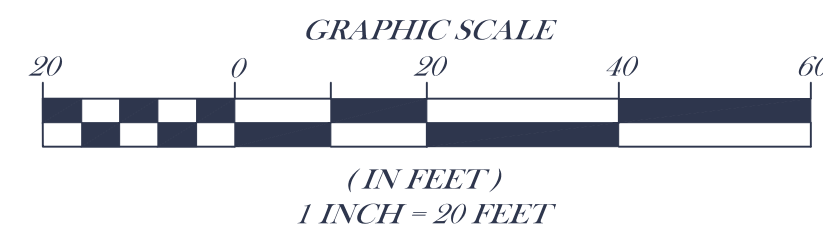
EASTERN SURPLUS CO. POWERHOUSE REMOVAL
ON THE DENNY'S RIVER NEAR MEDDYBEMPS LAKE
MEDDYBEMPS, ME
DOWNEAST SALMON FEDERATION

GENERAL NOTES

APRIL 2021

NO.	REVISION	APP'D	DATE

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EASTERN SURPLUS CO. POWERHOUSE REMOVAL ON THE DENNY'S RIVER NEAR MEDDYBEMPS LAKE MEDDYBEMPS, ME DOWNEAST SALMON FEDERATION	EXISTING CONDITIONS PLAN	APRIL 2021
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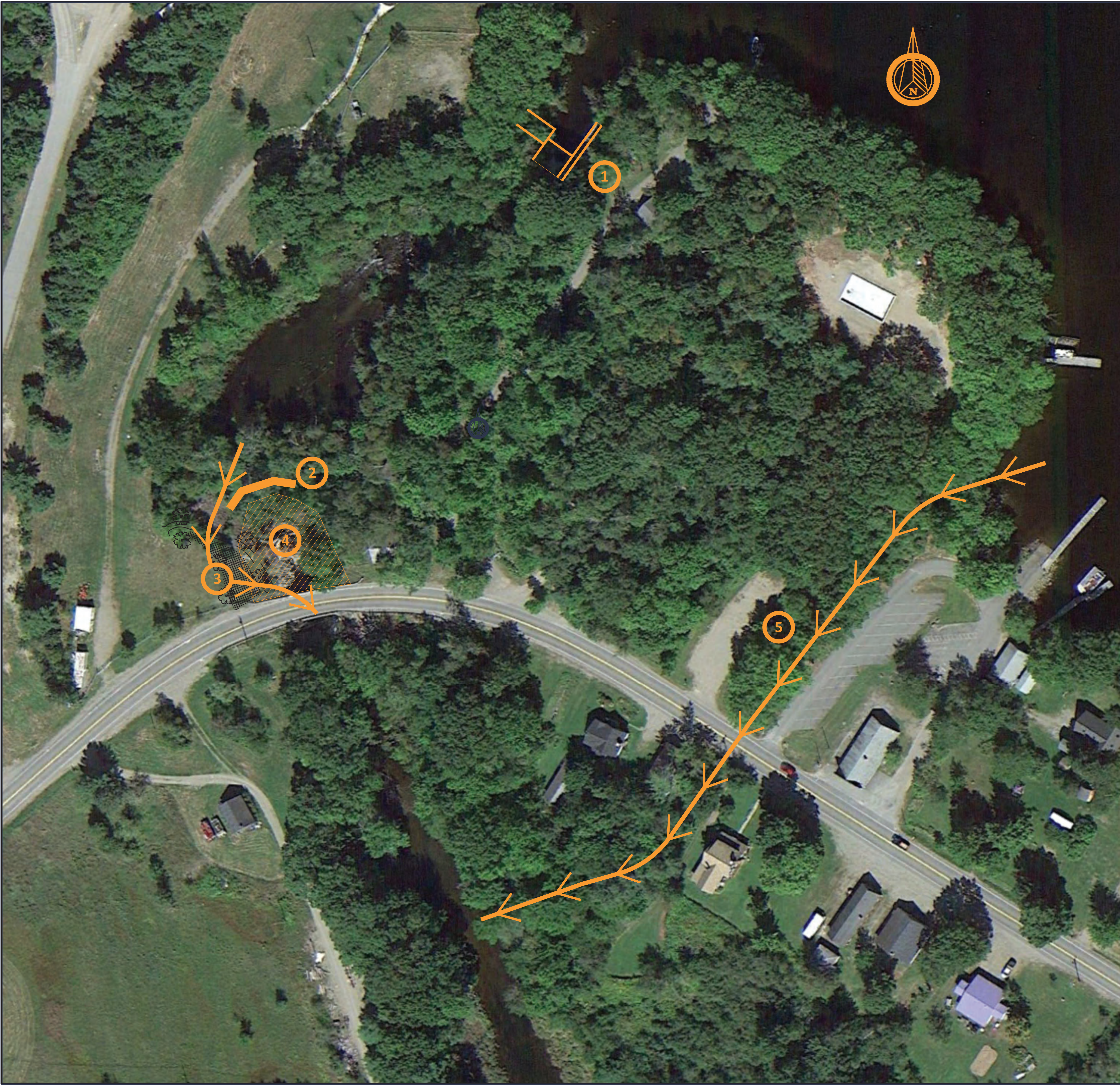
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SURVEY NOTES

1. ALL DOCUMENT REFERENCED HEREON ARE RECORDED IN THE WASHINGTON COUNTY REGISTRY OF DEEDS, UNLESS OTHERWISE NOTED.
2. BEARINGS, COORDINATE VALUES AND NORTH ORIENTATION REFERENCE GRID NORTH MAINE COORDINATE SYSTEM OF 1983, EAST ZONE [NAD_83][2011][EPOCH:2010.0000]. DISTANCES ARE GRID DISTANCES DEPICTED IN UNITS OF U.S. SURVEY FEET. TO CONVERT GRID DISTANCES TO GROUND DISTANCES A COMBINED SCALE FACTOR OF 1.00009758 SHOULD BE APPLIED.
3. ALL ELEVATIONS PROVIDED REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) MODELED USING GEOID 18.
4. HORIZONTAL AND VERTICAL CONTROL WERE ESTABLISHED AT THE SITE UTILIZING A SPECTRA PRECISION SP80 RTK NETWORK ROVER RECEIVING REAL TIME CORRECTIONS FROM THE DEPARTMENT OF TRANSPORTATION CORS NETWORK.
5. RESEARCH AT THE WASHINGTON COUNTY REGISTRY OF DEEDS FINDS NO RECORD OF A CONVEYANCE FROM CASSIUS H. BRIDGES TO THE STATE OF MAINE FOR THE AREA DEPICTED ACROSS LANDS OF THE SAID BRIDGES IN THE PLAN DESCRIBED IN PLAN REFERENCE 2.
6. THIS PLAN IS NOT THE RESULT OF A BOUNDARY SURVEY. BOUNDARY LOCATIONS DEPICTED SHOULD BE CONSIDERED TO BE APPROXIMATE.
7. FIELD LOCATION WAS COMPLETED IN DECEMBER, 2020. FLOW CONDITIONS WITHIN THE DENNY'S RIVER DID NOT ALLOW FOR TOPOGRAPHIC MAPPING OF THE BED OF THE RIVER. THE SURFACE MODEL ASSUMES THE TOPOGRAPHY OF THE RIVER BED IS LEVEL WITH THE WATERLINE THAT WAS FIELD MAPPED. ADDITIONAL DATA WILL BE REQUIRED TO ACCURATELY MODEL THE BED OF THE RIVER.

PLAN REFERENCES

1. PLAN ENTITLED "TOPOGRAPHIC SURVEY PLAN SHOWING THE REMAINS OF A DAM & PORTION OF THE FORMER MILL POND ON THE DENNY'S RIVER LOCATED NORTHERLY OF STATE ROUTE 191 (MAIN STREET) MEDDYBEMPS" PREPARED BY PLISGA & DAY LAND SURVEYORS FOR THE MAINE DEPARTMENT OF MARINE RESOURCES.
2. PLAN ENTITLED "MAINE STATE HIGHWAY COMMISSION RIGHT OF WAY PLAN, STATE AID HIGHWAY No. 1, MEDDYBEMPS, WASHINGTON COUNTY, ACROSS LAND OF HARRY W. LOMBARD AND CASSIUS H. BRIDGES" DATED FEBRUARY, 1941, RECORDED AS FILE S-15-78.
3. STATE OF MAINE DEPARTMENT OF TRANSPORTATION MEDDYBEMPS RIGHT OF WAY MAP, FOR STATE AID HIGHWAY NO. 1, ROUTE 191, MAIN STREET, MEDDYBEMPS, WASHINGTON COUNTY, FEDERAL AID PROJECT NO. STP-2050(600) DATED NOVEMBER, 2014, RECORDED AS D.O.T. FILE NO. 15-319.
4. PLAN ENTITLED "STANDARD BOUNDARY SURVEY, EASTERN SURPLUS SUPERFUND SITE, ROUTE 191, MEDDYBEMPS, WASHINGTON COUNTY, MAINE", DATED NOVEMBER, 1996 PREPARED BY OEST ASSOCIATES, INC. PROJECT NO. 259.01.06



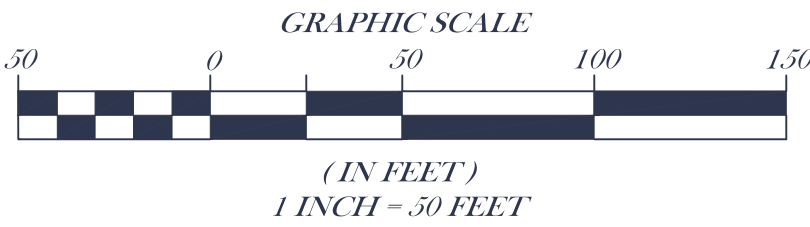
DEWATERING PLAN NOTES

ALL WORK IN THE WATER WILL OCCUR BETWEEN JULY 15TH AND SEPTEMBER 20TH TO COMPLY WITH THE APPLICABLE TIME OF YEAR RESTRICTIONS OUTLINED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE UNITED STATES ARMY CORPS OF ENGINEERS.

THE FOLLOWING NOTE NUMBERS CORRESPOND TO THE NUMBER LABEL ON THE PLAN. ADDITIONAL DETAILS FOR ASSOCIATED COFFERDAMS, SEDIMENT BASINS, AND OTHER EROSION AND SEDIMENTATION CONTROLS ARE SHOWN ON SHEET C-700.

1. PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES, THE MAIN GATE AT THE OUTLET DAM SHALL BE CLOSED TO LIMIT DISCHARGE. IT IS ANTICIPATED THROUGH THE EXISTING GATE AND DAM WILL PROVIDE APPROPRIATE MINIMUM BASE FLOW WITHIN THE RIVER CHANNEL. A FLOW TARGET BETWEEN TWO (2) AND FOUR (4) CUBIC FEET PER SECOND IS ANTICIPATED. IF FLOWS ARE NOT WITHIN THIS RANGE, THE GATE SHALL BE SLIGHTLY OPENED TO INCREASE FLOW OR IMPROVED WITH PLASTIC SHEETING/SANDBAGS TO REDUCE FLOWS.
2. A SANDBAG COFFERDAM SHALL BE CONSTRUCTED JUST UPSTREAM OF THE AREA OF WORK TO PREVENT BASE FLOW FROM THE LAKE FROM ENTERING THE WORK AREA. REFER TO SHEET C-700 FOR ADDITIONAL DETAILS.
3. THE CONTRACTOR SHALL UTILIZE ONE OR MORE HIGH CAPACITY PUMPS TO BYPASS FLOW FROM THE DAM AROUND THE AREA OF WORK. THE PUMPING SYSTEM SHALL BE ABLE TO COMFORTABLY MAINTAIN A BYPASS FLOW OF AT LEAST FOUR CUBIC FEET PER SECOND (APPROX. 1,800 GALLONS PER MINUTE) THROUGHOUT THE DURATION OF THE IN-WATER WORK.
4. ADDITIONAL SMALL DEWATERING PUMPS MAY BE REQUIRED WITHIN THE AREA OF WORK. ALL DEWATERING PUMPS LOCATED WITHIN THE AREA OF WORK MUST DISCHARGE TO A TEMPORARY SEDIMENT BASIN OR OTHER OUTLET FILTER (I.E. SILT BAG). LOCATIONS FOR TEMPORARY SEDIMENT BASINS AND OUTLET FILTERS SHALL BE COORDINATED WITH THE OWNER AND ENGINEER.
5. DISCHARGE FROM MEDDYBEMPS LAKE (OTHER THAN THE MINIMUM BASE FLOW FROM THE DAM'S MAIN GATE) SHALL BE ROUTED THROUGH THE EXISTING DISCHARGE CHANNEL THAT RUNS ALONG THE BOAT LAUNCH PARKING AREA AND DISCHARGES THROUGH THE CULVERT UNDER THE STATE HIGHWAY PRIOR TO CONVERGING WITH THE DENNY'S RIVER DOWNSTREAM OF THE WORK AREA.

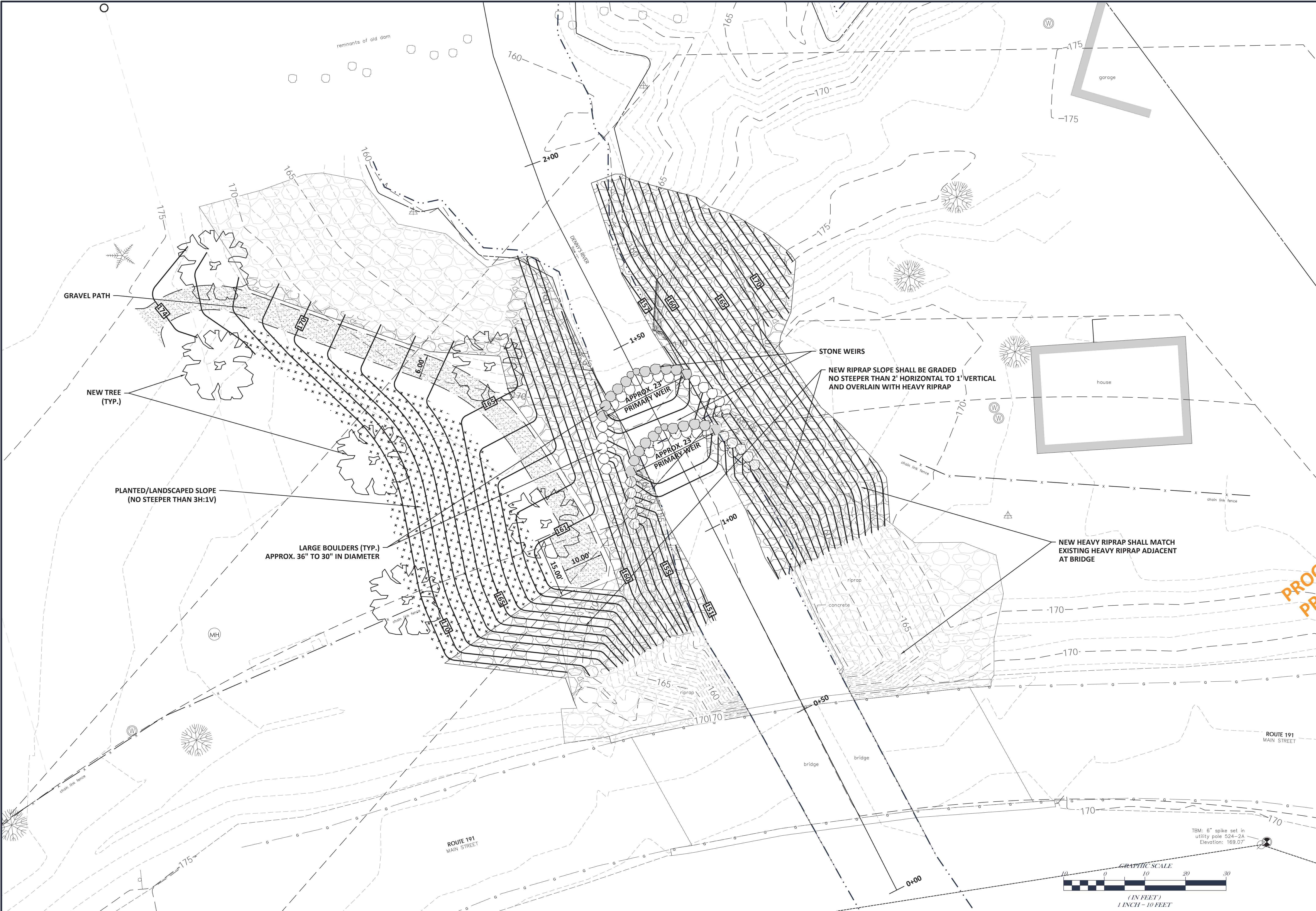
THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ENGINEER PRIOR TO REMOVING COFFERDAMS AND OPENING THE MAIN DAM SPILLWAY GATE. ONCE INSTALLED, COFFERDAMS AND BYPASS PUMPING MAY NOT BE REMOVED OR DEACTIVATED UNTIL DAM REMOVAL ACTIVITIES ARE COMPLETE AND BANK/CHANNEL STABILIZATION BELOW THE ANTICIPATED WATER LINE IS APPROVED BY THE ENGINEER.

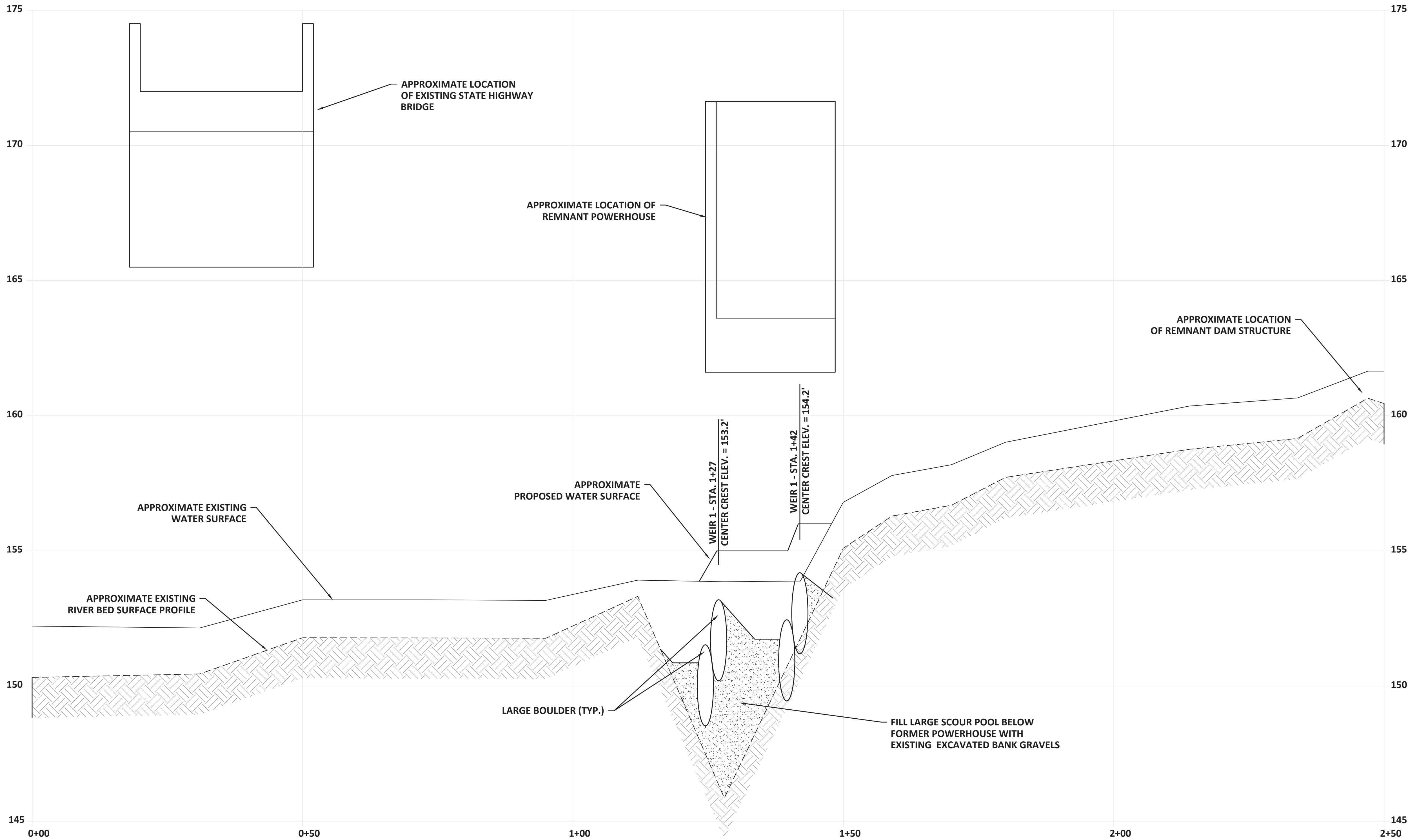


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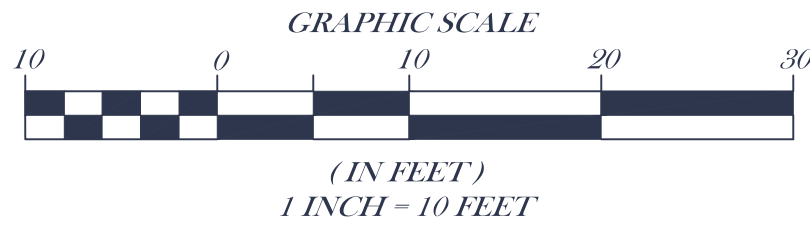
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MEDDYBEMPS, ME
DOWNEAST SALMON FEDERATION
DEWATERING PLAN
APRIL 2021





NOTES

1. THE STREAM PROFILE (WATER SURFACE AND BED SURFACE PROFILE) HAS BEEN DEPICTED FROM SURVEY DATA COLLECTED IN JULY OF 2017 BY THE MAINE DEPARTMENT OF MARINE RESOURCES STAFF AND OTHERS.

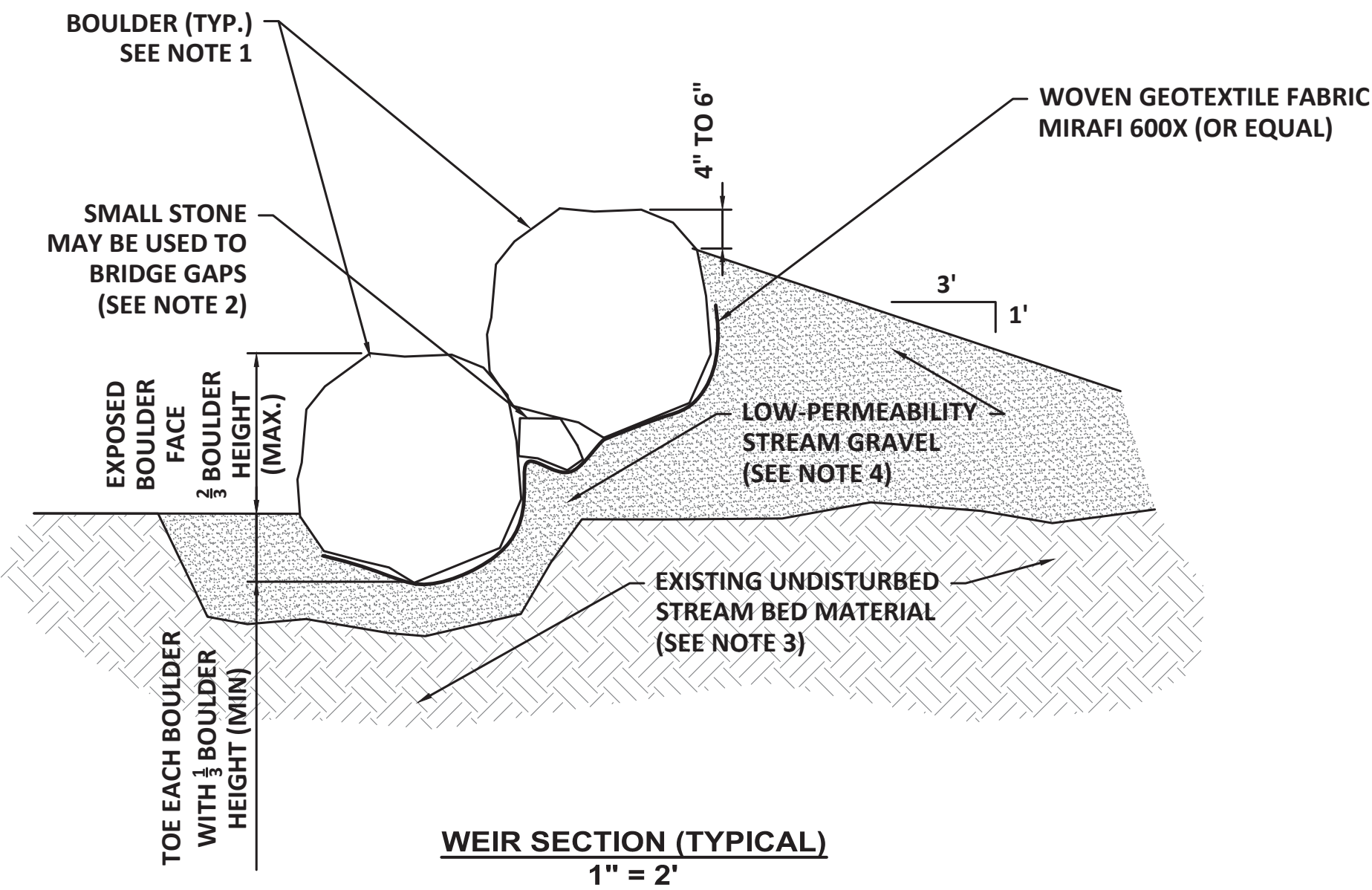
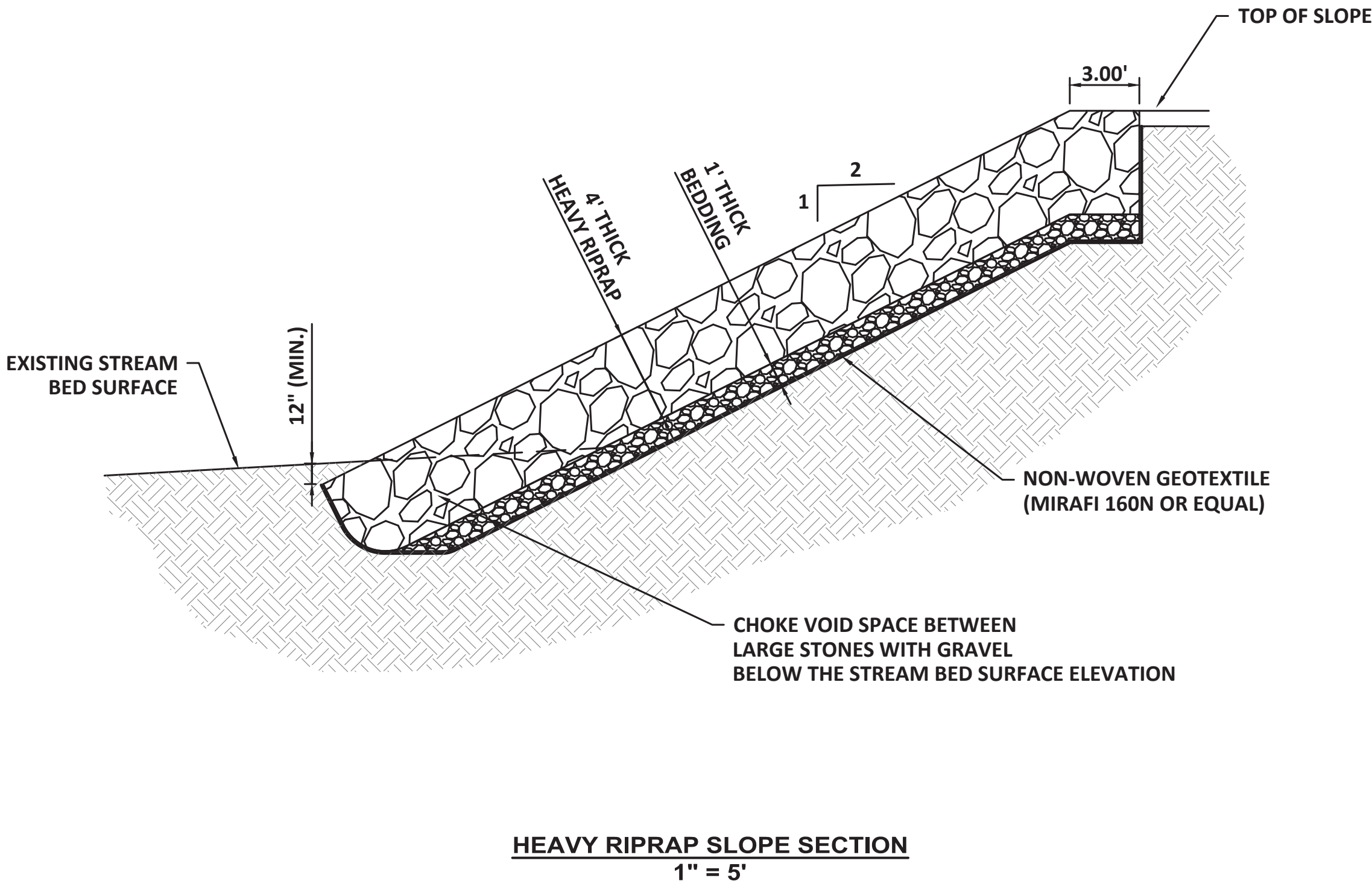
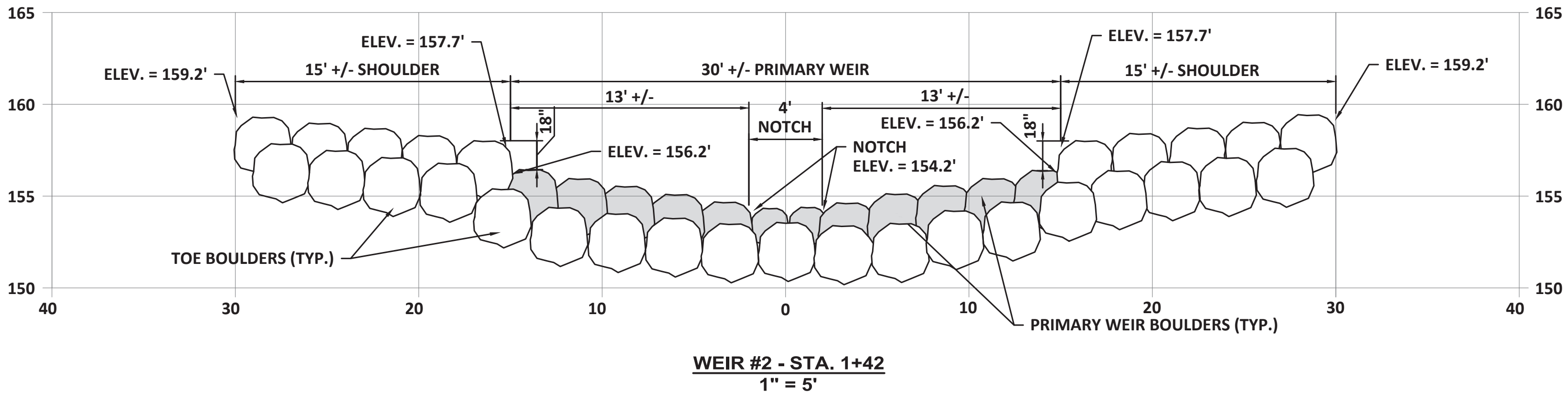
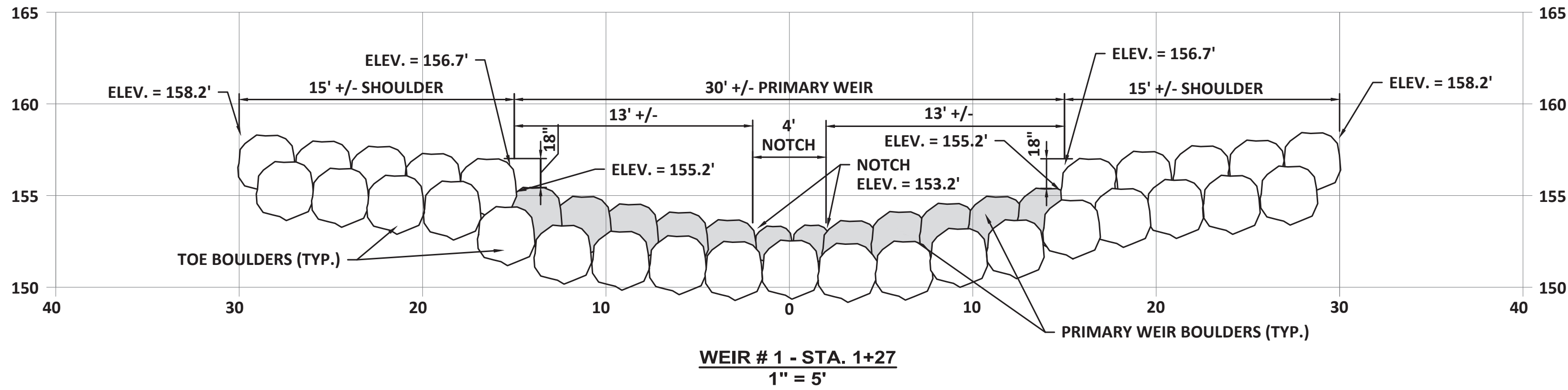


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DOWNEAST SALMON FEDERATION
RIVER PROFILE
APRIL 2021

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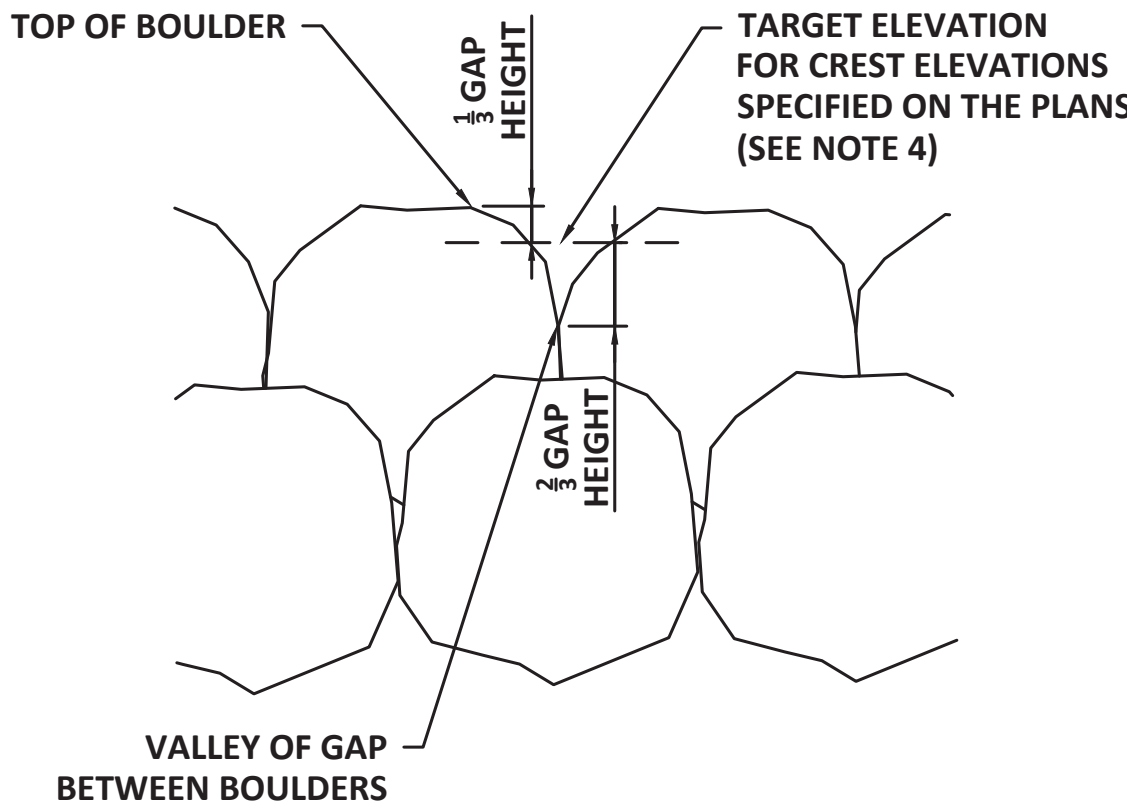
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NOTES

- THE BOULDERS SHOWN ON THE PLANS HAVE BEEN DRAWN AT APPROXIMATELY 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 30 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.
- SMALLER STONES SHALL 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.
- PRIOR TO PLACEMENT OF WEIR BOULDERS AND LOW-PERMEABILITY STREAM GRAVEL BACKFILL, THE EXISTING SUBGRADE SHALL BE PREPARED TO REMOVE UNSUITABLE MATERIAL (AS NEEDED). THIS INCLUDES THE REMOVAL OF ORGANIC MATERIALS, LOOSE SOIL, LOOSE ROCK, AND OR OTHER SURFACE MATERIALS THAT ARE NOT COMPACT NATIVE SOILS.
- CREST, NOTCH, AND WEIR SHOULDER ELEVATIONS ARE SPECIFIED ON THE PLANS. THE ELEVATION SPECIFIED IS IN REFERENCE TO THE "TARGET" ELEVATION DEPICTED ON THE "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.
- 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 (40% BY VOLUME) AND A WELL-GRADED GRAVEL MATERIAL (60% BY VOLUME) FREE OF ORGANIC MATERIAL, WOOD , TRASH, AND/OR OTHER OBJECTIONABLE MATERIAL. ALL MATERIAL SHALL PASS THE 6-INCH SIEVE. THE PORTION OF WHICH PASSES THE 2-INCH SIEVE MUST MEET THE FOLLOWING GRADATION:

SIEVE DESIGNATION	PERCENT PASSING (BY WEIGHT)
1 INCH	85 - 100
NO. 4	70 - 95
NO. 8	55 - 90
NO. 40	40 - 70
NO. 200	30 - 50



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RIVER PROFILE
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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 ACQUFER 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 DECOMPOSURE. 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

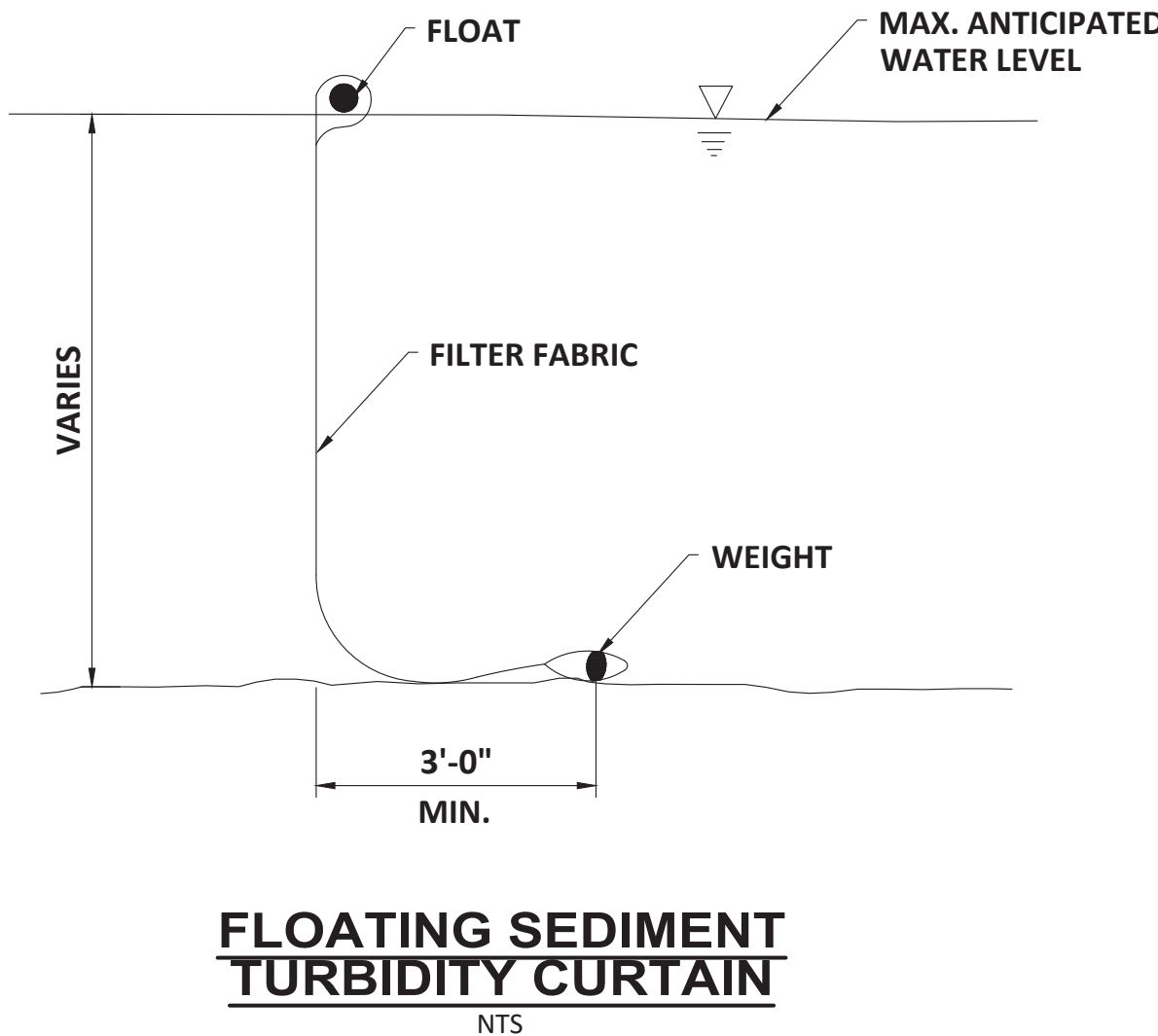
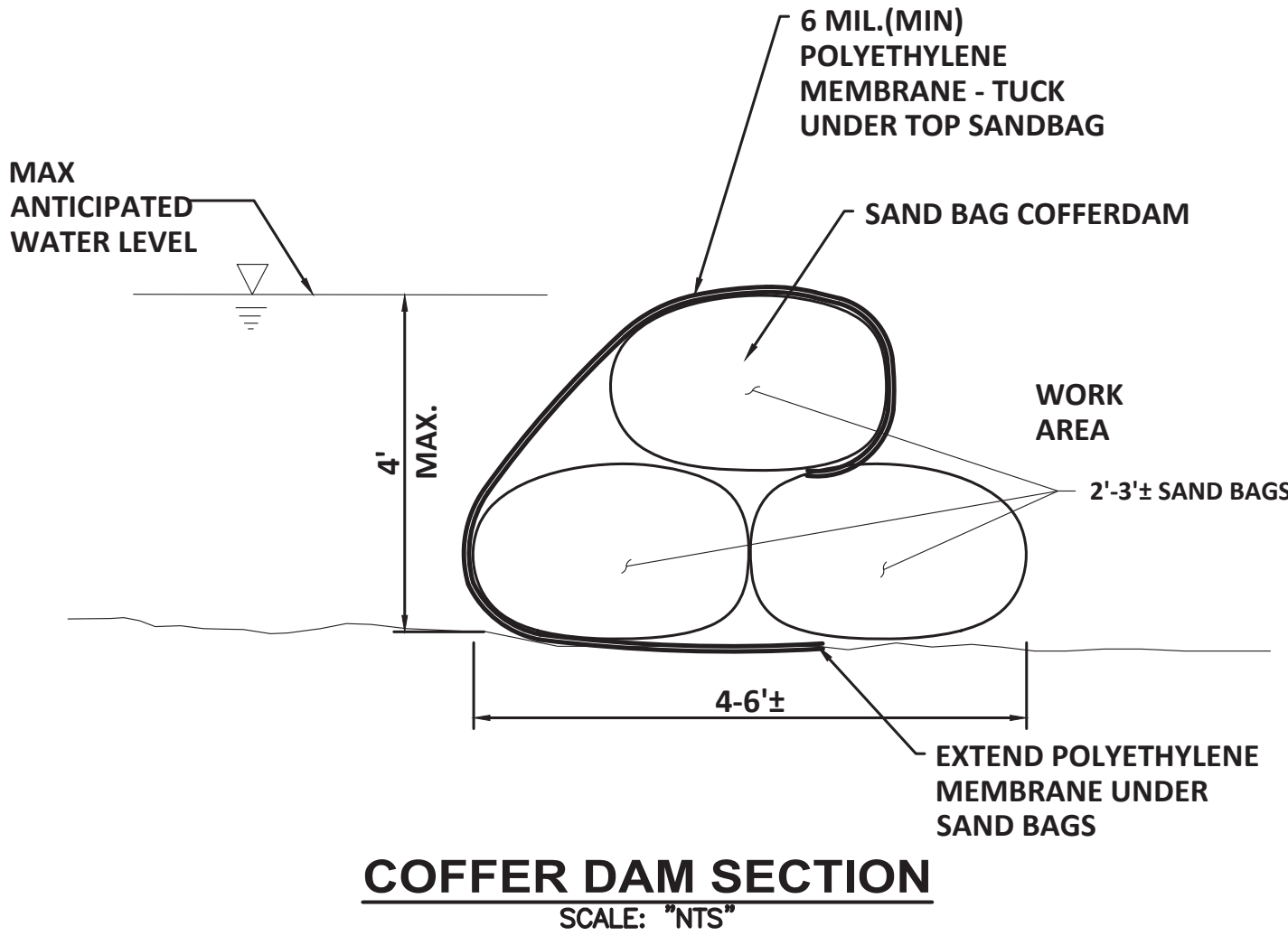
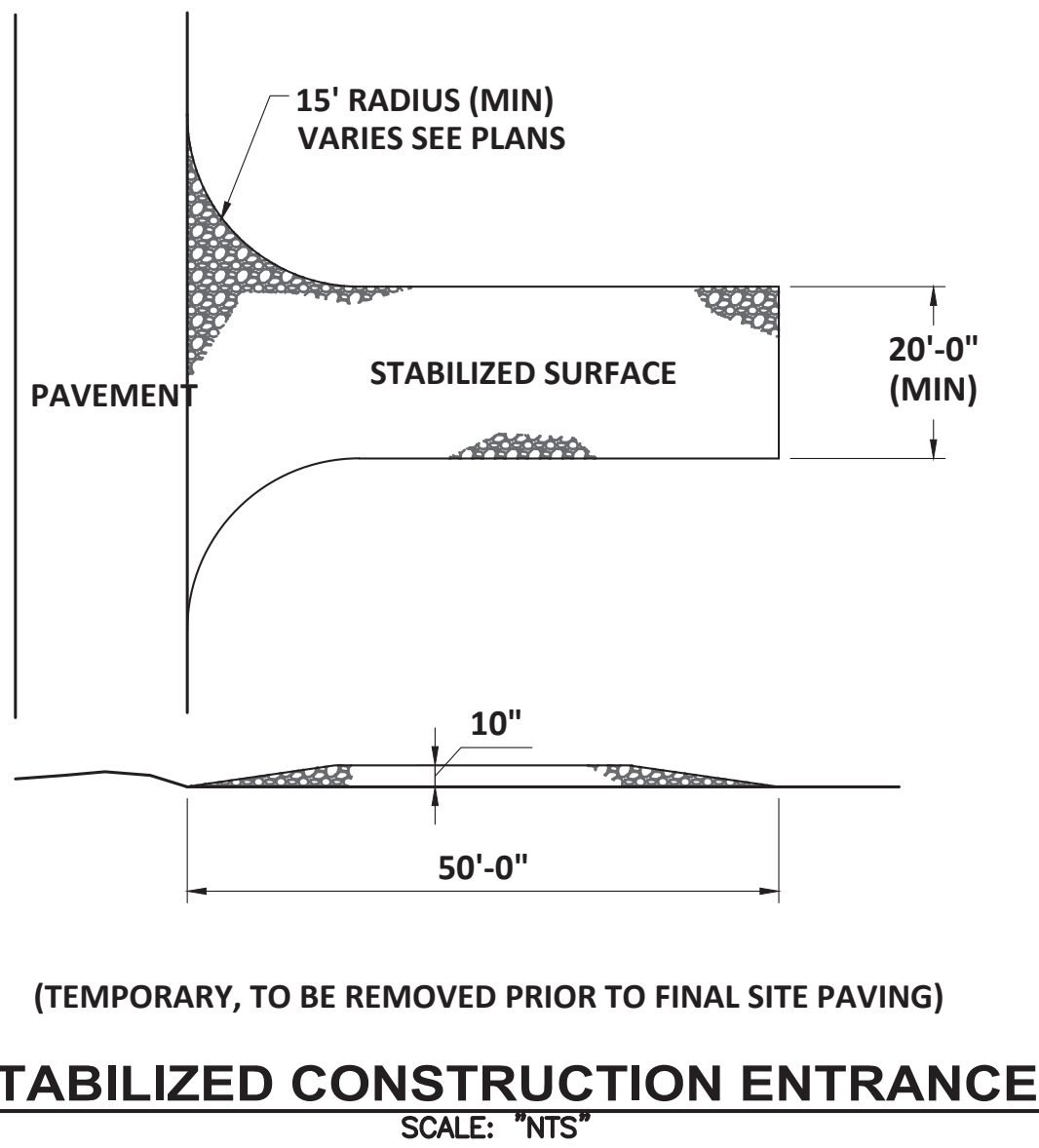
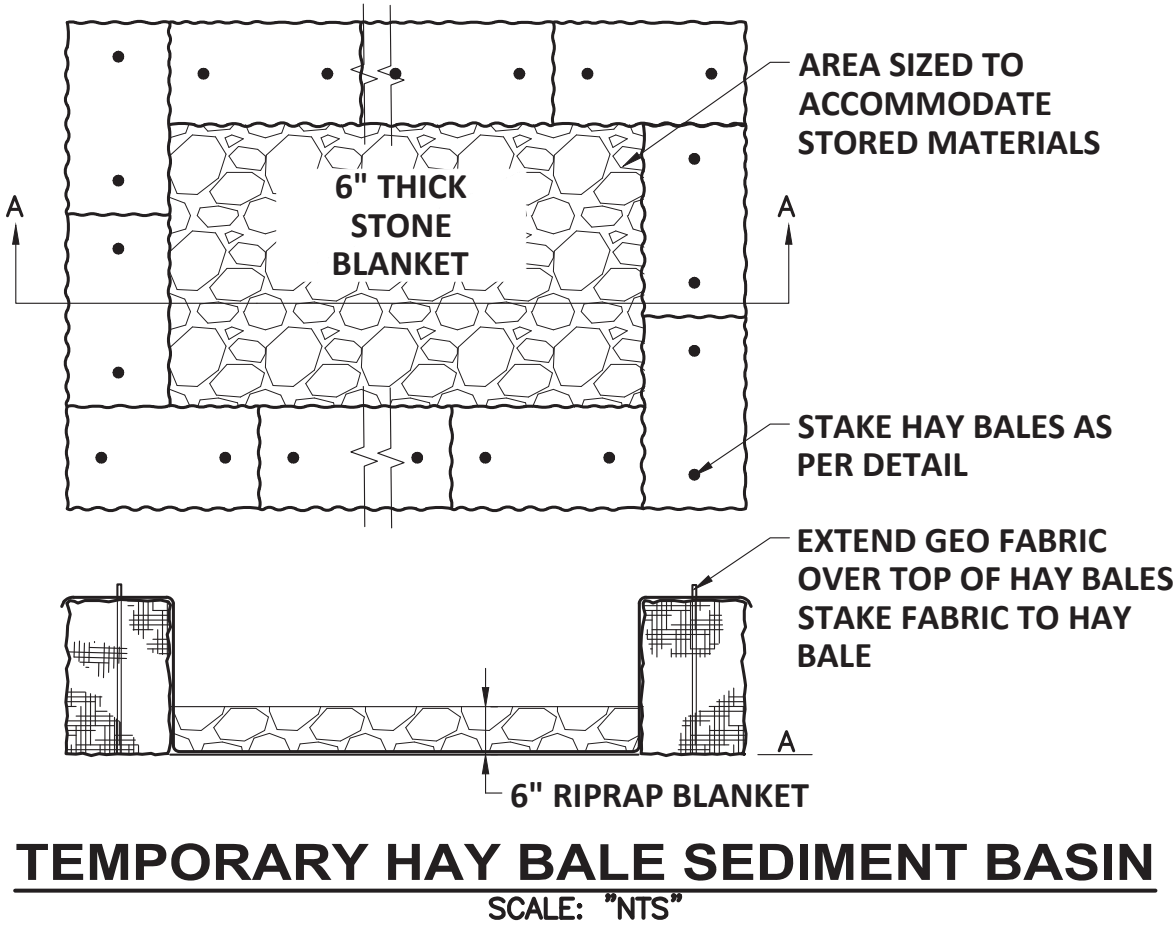
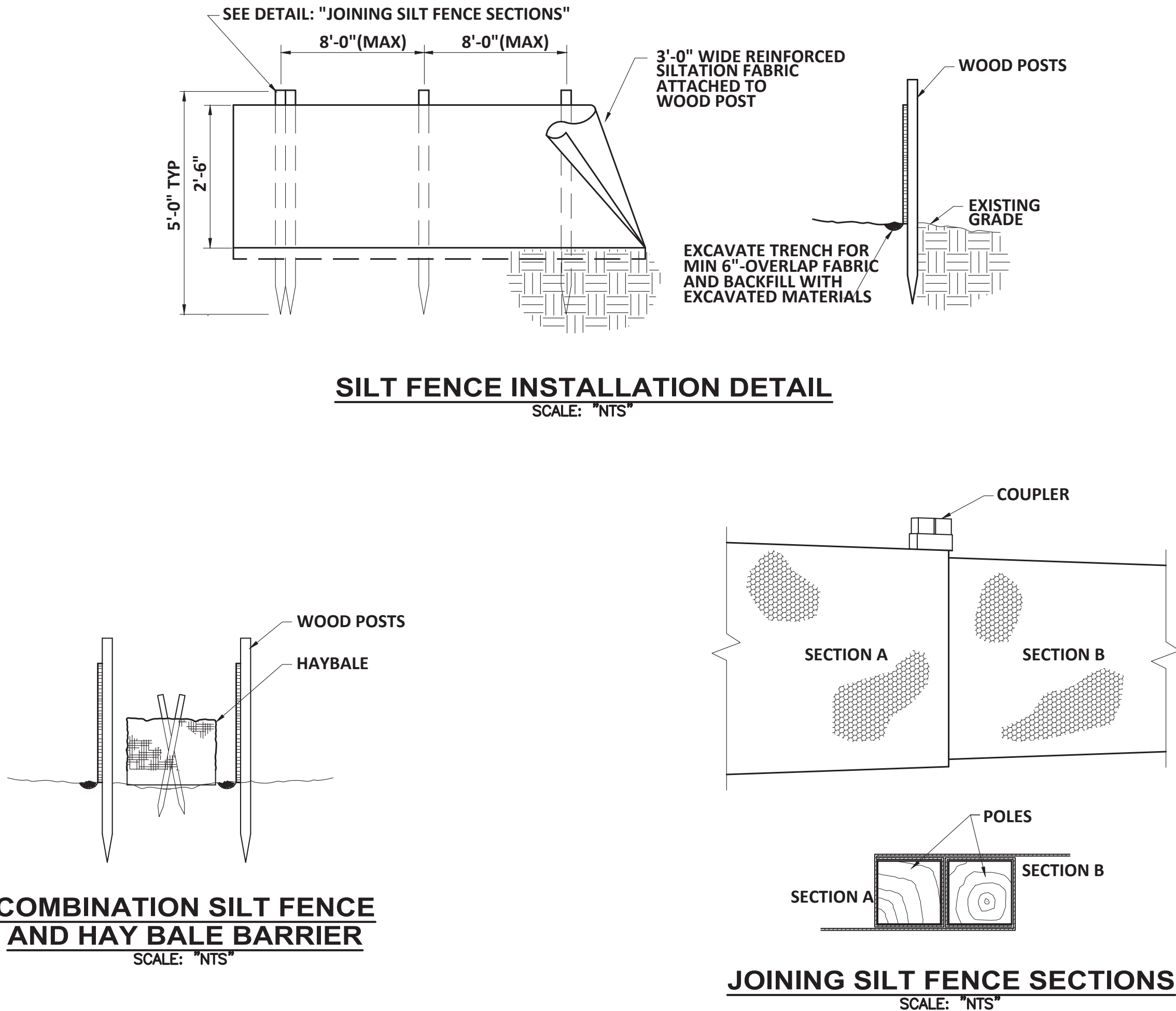
ALL GRASS-LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR EROSION CONTROL BLANKET.

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.



NO.	REVISION	APP'D	DATE