

NED LAMONT, GOVERNOR

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION KATHERINE S. DYKES COMMISSIONER

REPLACEMENT OF CHATFIELD HOLLOW COVERED BRIDGE E159 LOOP TRAIL OVER CHATFIELD HOLLOW BROOK

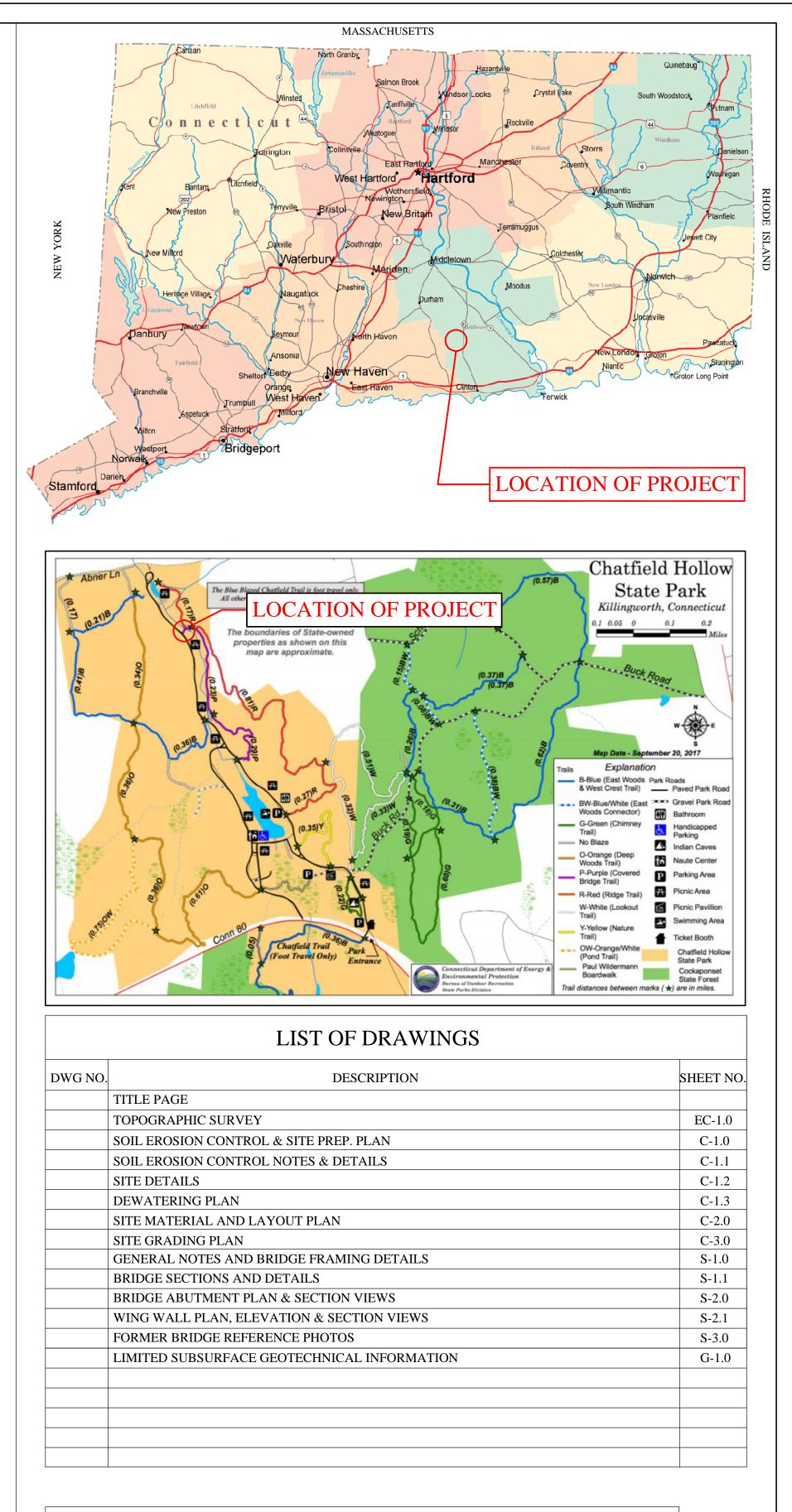
CHATFIELD HOLL 381 NORTH BRANFOR KILLINGW

PROJECT NO. DE

AUGUST

CIVIL ENGIN MACCHI EN 44 GILLET S HARTFORD,

		LEG	END
LOW STATE		ABBREVIATION VIF	<u>MEANING</u> VERIFY IN FIELD
RD ROAD (C	T Route 80)	WP	WORKING POINT
WORTH, CT		B.F.	BOTTOM OF FOOTING
WORIII,CI		CLR.	CLEARANCE
		DIA.	DIAMETER
EPA000013202	277	CONT.	CONTINUOUS
LI A000015202	JZ	ELEV	ELEVATION
		PL.	PLATE
		TYP.	TYPICAL
		EA.	EACH
ST 30, 2024		MIN.	MINIMUM
		RE:	REFER
		O.C.	ON CENTER
		Τ/	TOP OF
INEER:		$\mathbf{W}/$	WITH
		T/B	TOP AND BOTTOM
NGINEERS, LLC		DWGS.	DRAWINGS
STREET		EQ.	EQUAL
D, CT 06105	100% CONTRACT DOCUMENTS	EXIST.	EXISTING



	LIST OF STANDARD DRAWINGS	
DWG NO.	DESCRIPTION	SHEET NO.

LIST OF DRAWING REVISIONS

SHEET NO

CENTER LINE

DESCRIPTION

LEGEND

WF8

вн⊕

STONE WALL

----- EXISTING CONTOUR — — EDGE OF WATER

WETLANDS DELINEATION

ORDINARY HIGH WATER MARK

BORING LOCATION

△ SURVEYOR CONTROL POINT

1. WETLANDS & ORDINARY HIGH WATER MARK DELINEATION PERFORMED ON 4-11-23 BY ERIC DAVISON.

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15" CMP — INV. 101.78

100XIE

2. THE CT AND FEDERAL JURISDICTIONAL BOUNDARIES ARE IDENTICAL. AN ACOE TWO-POINT WETLAND DELINEATION TRANSECT WAS CONDUCTED AT WF 13.

I HAVE DELINEATED STATE OF CONNECTICUT AND FEDERAL JURISDICTIONAL WETLANDS AND WATERCOURSES PRESENT ON THE SUBJECT SITE AND HAVE REVIEWED THIS PLAN AND IT IS MY OPINION THAT THE LIMITS OF THE WETLANDS AND WATERCOURSES DEPICTED HEREON ARE REPRESENTATIVE OF THOSE DELINEATED IN THE FIELD.

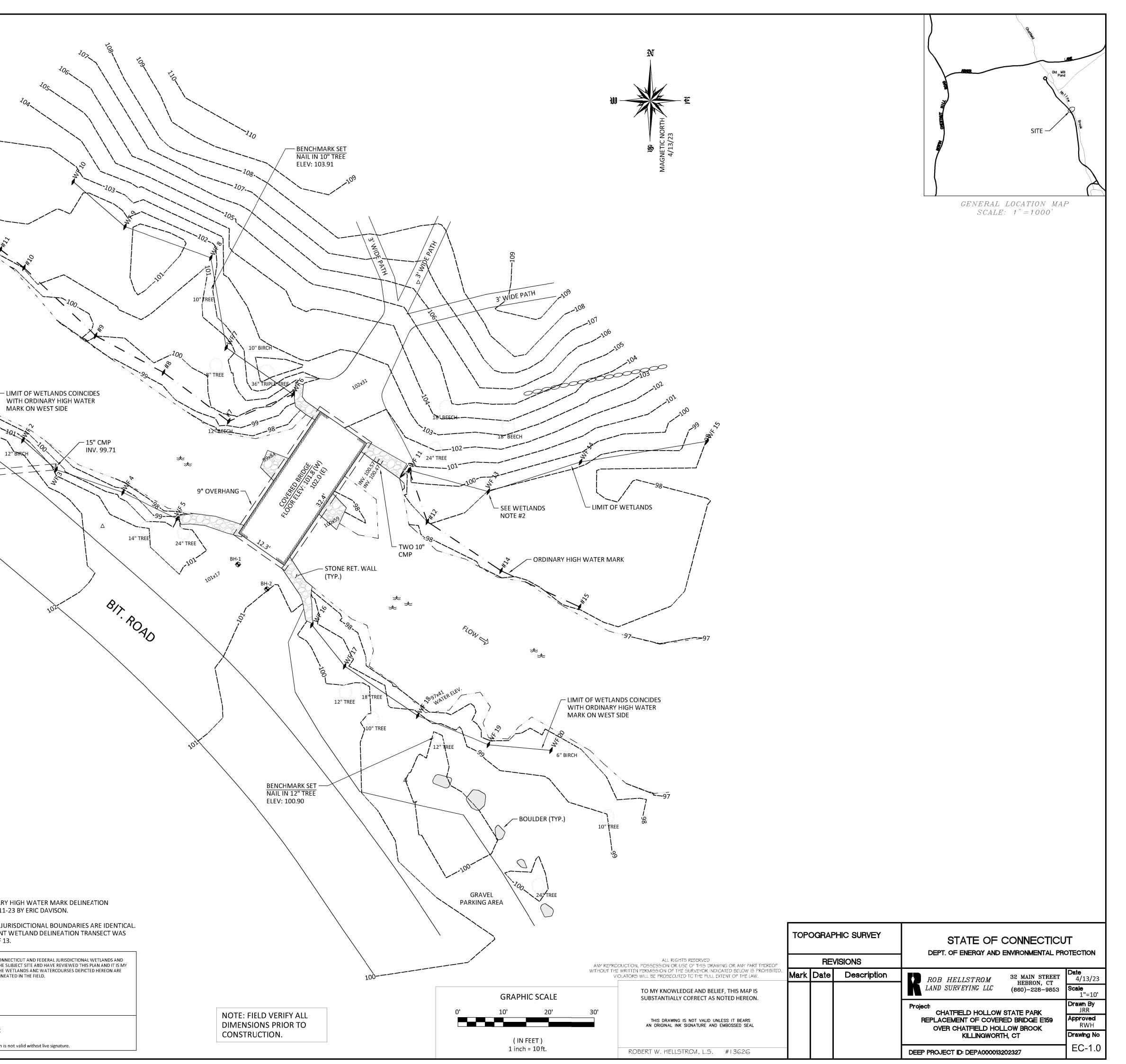
MAP STANDARD NOTES:

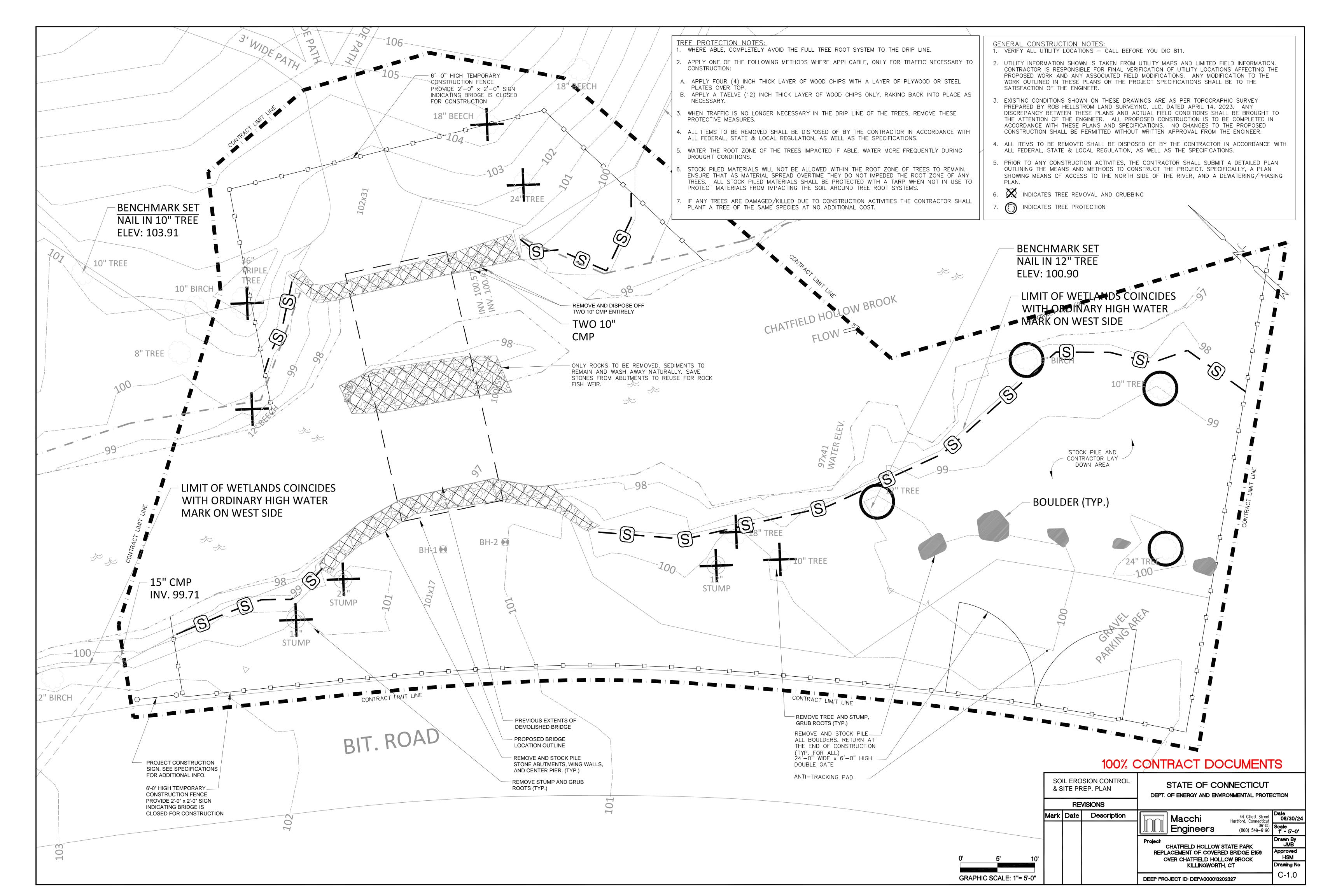
1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019.

TYPE OF SURVEY: TOPOGRAPHIC SURVEY HORIZONTAL ACCURACY CLASS: A-2 TOPOGRAPHIC ACCURACY CLASS: T-2 VERTICAL DATUM: ASSUMED

Eric Davison Registered Soil Scentist

Certification is not valid without live signature.





	SEDIMENT AND EROSION CONTROL PLAN
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A. PROJECT DESCRIPTION

THE BRIDGE HAS ALREADY BEEN DEMOLISHED. SPECIFIC WORK INCLUDES THE DEMOLITION OF THE EXISTING ABUTMENTS, CLEARING IN DESIGNATED AREAS, PROTECTING EXISTING PLANTINGS TO REMAIN, TOPSOIL STRIPPED AND STOCKPILED, SITE GRADING AND ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED.

B. MAINTENANCE/REPAIR OF EROSION & SEDIMENTATION CONTROL MEASURES:

DURING ALL STAGES OF CONSTRUCTION, AS WELL AS AFTER CONSTRUCTION IS COMPLETE, MAINTENANCE AND REPAIR OF EROSION & SEDIMENTATION CONTROL DEVICES IS ESSENTIAL. THE FOLLOWING ARE MINIMUM REQUIREMENTS: DURING CONSTRUCTION

- 1) INSPECTION OF EROSION PRONE AREAS SHOULD OCCUR WITHIN 12 HOURS AFTER RAINFALL EVENTS IN EXCESS OF ONE INCH PER HOUR INTENSITY OR A RAINFALL EVENT WITH A TOTAL PRECIPITATION OF 1/2 INCH OR MORE. NOTE THAT THIS WILL REQUIRE THE INSTALLATION OF A RAINFALL GAUGE ON THE SITE, WHICH SHOULD BE MONITORED AND A RECORD KEPT OF EACH RAINFALL EVENT. CONCERNS SHOULD BE LOGGED AND REPAIRS SHOULD BE MADE IMMEDIATELY. FOR RAINFALL EVENTS OVER A PERIOD OF MORE THAN ONE DAY, INSPECTIONS AS DESCRIBED ABOVE SHOULD BE PERFORMED EACH DAY.
- 2) WEEKLY INSPECTIONS OF ALL EROSION & SEDIMENTATION CONTROL DEVICES, EROSION PRONE AREAS OR OTHER AREAS OF CONCERN SHOULD BE PERFORMED. INSPECTIONS SHOULD INCLUDE ALL SILT FENCE, HAY BALES, STONE CHECK DAMS, CATCH BASIN SUMPS, TEMPORARY SEDIMENTATION BASINS, DETENTION POND(S), HAY SLOPE MATTING, ETC. AND REPAIRS SHOULD BE MADE AS NECESSARY.
- 3) LOGS OF ALL INSPECTIONS AND REPAIRS SHOULD BE KEPT ON SITE, INCLUDING DATES & CONCERNS NOTED DURING INSPECTIONS, TIMING OF REPAIRS & ACTIONS TO BE TAKEN, DATES OF ACTUAL ACTIONS & RESPONSES, AND INITIALS OF THOSE INVOLVED.
- 4) ALL SILT FENCING, HAY MATTING AND OTHER EROSION CONTROL DEVISES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.

POST CONSTRUCTION

- 1) EROSION PRONE AREAS- INSPECT MONTHLY FOR THE FIRST SIX (6) MONTHS, AND BI-MONTHLY FOR THE SECOND SIX (6) MONTHS AFTER CONSTRUCTION IS COMPLETE. ALL SILT FENCING AND EROSION CONTROL DEVISES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.
- 2) ANY ERODED AREAS, OR MALFUNCTIONING COMPONENTS OF THE DRAINAGE SYSTEM, SHOULD BE REPAIRED IMMEDIATELY. A. <u>STANDARDS & GUIDELINES</u>
- 1) CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES.
- 2) REQUIREMENTS, SPECIFICATIONS, DETAILS AND INSTRUCTIONS AS SET FORTH IN THESE DOCUMENTS.
- 3) CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL (2002), AS AMENDED, AND THE CONNECTICUT D.O.T. "ON SITE MITIGATION FOR CONSTRUCTION ACTIVITIES".
- 4) CONNECTICUT D.O.T. STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 818 SHALL BE USED FOR MATERIAL REQUIREMENTS, TECHNICAL SPECIFICATIONS AND CONSTRUCTION METHODS.
- C. <u>GENERAL NOTES</u>
- 1) GRADING & CLEARING: THE SEQUENCE OF GRADING AND CONSTRUCTION ACTIVITIES MAY BE MODIFIED TO SUIT ACTUAL CONDITIONS ENCOUNTERED IN THE FIELD DURING CONSTRUCTION WHEN APPROVED BY THE ENGINEER. OTHERWISE THE FOLLOWING SEQUENCE OF EROSION & SEDIMENTATION CONTROL WILL BE IMPLEMENTED FOR EACH PROPOSED PHASE OF CONSTRUCTION. THE FOLLOWING NOTES WILL APPLY SEPARATELY TO EACH OF THE PROPOSED PHASES AND CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.
- 2) INSTALLATION OF TEMPORARY BASINS SHALL BE DONE ONLY WHEN A SAFE AND STABILIZED OUTLET EXISTS OR CAN BE INSTALLED PRIOR TO INSTALLATION. FOR EXAMPLE STABILIZED OUTFALL CHANNELS OR THE INSTALLATION OF A FUNCTIONING DRAINAGE SYSTEM MUST EXIST PRIOR TO CONSTRUCTION OF A SEDIMENT/DISCHARGE BASIN. SEDIMENT/DISCHARGE BASINS SHALL BE GRADED SO AS TO RETAIN WATER TO A DEPTH OF NO MORE THAN 2 FEET.
- 3) LIMIT CLEARING OF VEGETATION AND TOPSOIL TO AREAS DESIGNATED FOR IMMEDIATE CONSTRUCTION. AREAS TO BE LEFT EXPOSED TO EROSION FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY SEEDED AFTER ROUGH GRADING AS MAY BE SHOWN ON THE CONSTRUCTION PLANS.
- 4) KEEP SOIL EXPOSED TO EROSION AT A MINIMUM IN AREA AND TIME.
- 5) MAINTAIN THE MAXIMUM ATTAINABLE BUFFER BETWEEN CONSTRUCTION ACTIVITIES AND WETLANDS AND WATERCOURSES. MINIMUM BUFFER ZONES SHALL BE ADHERED TO UNLESS PREVIOUSLY APPROVED OR PERMITTED.
- 6) CLEAN DEPOSITED MATERIAL AS REQUIRED. THIS TYPICALLY SHALL MEAN WHEN SILT REACHES 50% OF THE CAPACITY OF A SEDIMENT BASIN, 1 FOOT DEEP IN THE SUMP OF A CATCH BASIN, AND HALF THE HEIGHT OF AN EROSION AND SEDIMENT CONTROL DIKE OR BERM. CONTROL DIKE OR BERM.
- 7) EXPOSED AREA IN FINAL GRADED SHAPE SHOULD BE DRESSED WITH TOPSOIL AND SEEDED, SEASON PERMITTING OR MULCHED FOR EROSION PROTECTION.
- 8) MAINTAIN ALL EROSION AND SEDIMENT CONTROLS UNTIL SUCCESSFUL RE-ESTABLISHMENT OF VEGETATIVE COVER AND THE CESSATION OF EROSION.
- 9) HAY BALE BARRIERS MAY REMAIN IN PLACE AFTER SUCCESSFUL RE-ESTABLISHMENT OF VEGETATIVE COVER AND THE CESSATION OF EROSION WHEN THE REMOVAL OF SUCH BARRIERS MAY RESULT IN ADDITIONAL SOIL EROSION UP SLOPE OF WETLANDS, WATERCOURSES OR STORM DRAIN INLETS. ADDITIONALLY, THE BALES MAY ONLY BE RETAINED IN PLACE TO DEGRADE NATURALLY WHEN THE BARRIER WILL NOT RESTRICT THE FLOW OF CONCENTRATED RUNOFF OR INTERFERE WITH THE FUNCTIONING OF STORM DRAINAGE AND OTHER CONSTRUCTED OR EXISTING COMPONENTS OF THE PROPOSED DEVELOPMENT. THE ENGINEER MUST APPROVE OF THE LOCATIONS WHERE HAY BALES MAY BE LEFT IN PLACE.
- 10) AFTER SUCCESSFUL RE-ESTABLISHMENT OF VEGETATIVE COVER AND CESSATION OF EROSION, AND IF NOT LEFT IN PLACE AS NOTED ABOVE, HAY BALES MAY BE BROKEN UP BY HAND AND SPREAD IN THE GENERAL AREA INITIALLY INSTALLED. 11) STOCKPILE AREAS: THE FOLLOWING SEQUENCE FOR USE OF STOCKPILE AREAS SHALL BE USED.
- a) AREA TO BE USED SHALL BE IDENTIFIED WITH FLAGGING IN THE FIELD & SHALL BE LOCATED OUTSIDE OF ALL
- WETLANDS AND REGULATED BUFFER ZONES. b) AREA SHALL THEN BE CLEARED AND GRUBBED AND GENERALLY BE MADE READY FOR USE.
- c) THE STOCKPILE AREA SHALL BE IMMEDIATELY SURROUNDED WITH TWO ROWS OF SILT FENCE.
- d) DURING USE, THE CONTRACTOR SHALL INSURE THAT THE GENERAL STOCKPILE USE AREA IS MAINTAINED SUCH THAT THERE IS NO SEDIMENTATION OF SURROUNDING LAND AREA. THE STOCKPILES SHALL BE COVERED AND/OR TEMPORARILY SEEDED TO PREVENT RUNOFF AND SEDIMENTATION IF NECESSARY.

WOOD STAKE

e) IMMEDIATELY UPON COMPLETION OF USE AS A STOCKPILE AREA, THE LAND SHALL BE RESTORED.

MANAGEMENT SPECIFICATIONS AND THE SECTIONS ON STANDARDS & GUIDELINES.

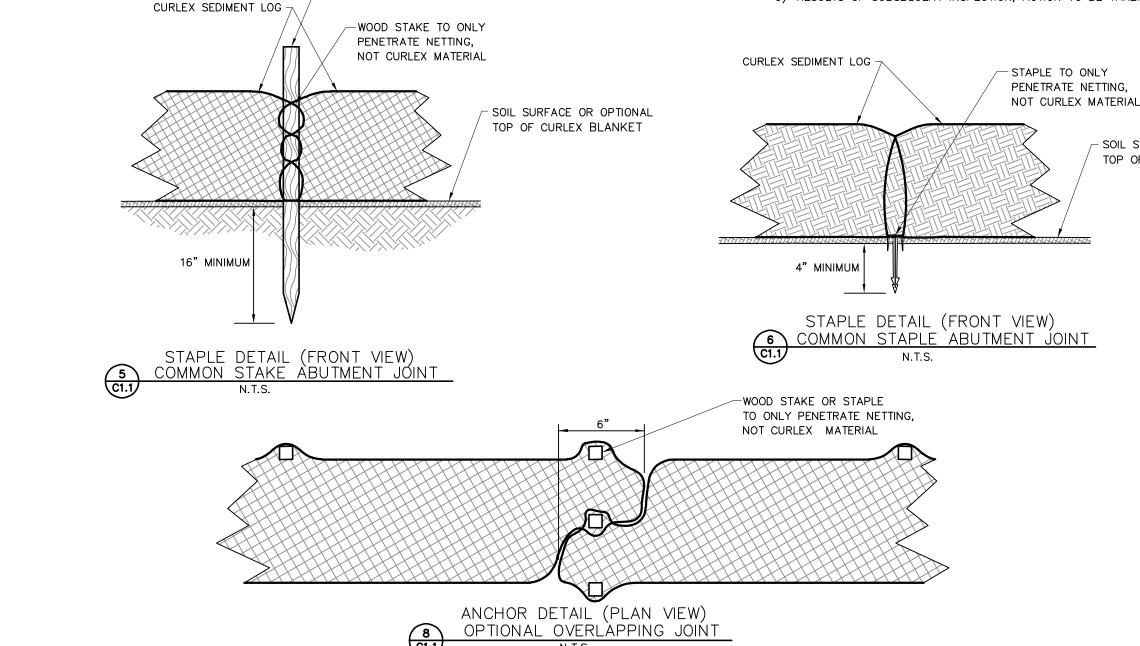
PROPERTY

- 16) ALL WORK AND ALL ACTIVITIES SHALL FIRST BE IN COMPLIANCE WITH APPLICABLE PERMITS FOR THIS PROJECT. SECOND ALL WORK AND ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS WHICH ARE PART OF THESE PLANS. LASTLY, WORK AND ACTIVITIES SHALL BE CONSISTENT WITH THESE EROSION AND SEDIMENT CONTROL PLANS AS A MINIMUM.
- D. EROSION AND SEDIMENT CONTROL NOTES
- 1) LIMITED CLEARING AND GRUBBING ACTIVITIES SHALL COMMENCE FIRST TO ENABLE THE INSTALLATION/CONSTRUCTION OF PERIMETER HAY BALE DIKES, CONSTRUCTION ENTRANCES SEDIMENT ANTI-TRACKING PAD, STAGING AREAS AND THE INSTALLATION OF CRUSHED STONE BERMS AT PROPOSED STORM DRAIN OUTFALL AREAS. SILT FENCE SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION WHICH SHOULD BE CLEARLY MARKED BY FLORESCENT SURVEY FLAGGING OR FENCING BEFORE CLEARING AND GRUBBING TAKES PLACE.
- 2) DURING ALL PHASES, PERMANENT AND/OR TEMPORARY SEDIMENT BASINS SHALL BE CONSTRUCTED AT PROPOSED STORM DRAINAGE INLETS AND/OR OUTFALLS. AT OUTFALLS A DOUBLE STAGGERED ROW OF HAY BALES SHALL BE INSTALLED DOWN SLOPE OF THE OUTLETS OF ANY TEMPORARY BASINS AND A CRUSHED STONE SEDIMENT FILTER BERM SHALL BE INSTALLED JUST UP SLOPE OF THE DOUBLE STAGGERED ROW OF HAY BALES.
- 3) UPON INSTALLATION OF THE ABOVE MEASURES, INSTALLATION OF CONSTRUCTION ENTRANCE ANTI-TRACKING PADS AND CLEARING AND GRUBBING FOR THE ROADWAY CONSTRUCTION ACTIVITIES MAY COMMENCE. TEMPORARY DIVERSION BERMS/DITCHES SHALL BE CONSTRUCTED AS NECESSARY FOR INTERMEDIATE EXCAVATION STAGES. DIVERSIONS AND OTHER TEMPORARY INTERMEDIATE MEASURES SHALL BE APPROVED BY THE ENGINEER IN ADVANCE AND SHALL OUTLET RUNOFF TO SWALES WITH CHECK HAY BALE DAMS AND/OR TO TEMPORARY SEDIMENT BASINS.
- 4) EXCAVATION FOR CONSTRUCTION OF THE PROPOSED ROADWAY SHALL NOT COMMENCE UNTIL ASSOCIATED DRAINAGE & SEDIMENTATION DEVISES FOR THE AREA ARE IN PLACE. IT SHOULD BE NOTED THAT EXTENSIVE EXCAVATION WITHIN THE LIMITS OF THE CUT AND FILL LINE INDICATED ON THE PLANS MAY REQUIRE ADDITIONAL TEMPORARY SWALES AND DIVERSION IN ORDER TO DIVERT AND DIRECT RUNOFF AND SEEPAGE TO THE PROPOSED DISCHARGE POINTS UNTIL THE PERMANENT STORM DRAINAGE SYSTEM IS INSTALLED. THESE TEMPORARY MEASURES MUST BE APPROVED IN ADVANCE AND SHOULD BE INSPECTED REGULARLY FOR OPERATIONAL EFFICIENCY BY THE CONTRACTOR. UTILIZATION OF TEMPORARY INLETS AND DIVERSION SWALES UNTIL THE DRAINAGE SYSTEM IS COMPLETE IS EXPECTED. THESE INLETS/DIVERSIONS SHALL BE CONSTRUCTED SO AS TO PREVENT EROSION AND SEDIMENTATION.
- 5) MEASURES TO CONTROL CONSTRUCTION DEBRIS AND DUST SHALL BE IMPLEMENTED ON AN AS NEEDED BASIS AND AS DIRECTED BY THE ENGINEER. DUST SHALL BE CONTROLLED BY LIMITING THE AREA OF SOIL EXPOSED AND BY WATERING WITHOUT CHEMICAL ADDITIVES. CONSTRUCTION DEBRIS SHALL BE COLLECTED AS NECESSARY AND AT LEAST PRIOR TO THE END OF WORK EACH WEEK.
- 6) SOIL & ROCK STOCKPILE AREAS SHALL BE APPROVED IN ADVANCE AND HAY BALE AND/OR SILT FENCE BARRIERS SHOULD BE INSTALLED AROUND STOCKPILES AND DOWN SLOPE OF THESE AREA PRIOR TO STOCK PILING MATERIAL. ANY SOIL TO BE STORED FOR MORE THAN A MONTH SHOULD BE COVERED OR SEEDED AND/OR MULCHED AFTER BEING PLACED. 7) THE BASE MATERIAL FOR THE DRIVES AND PARKING AREAS SHALL BE PLACED AND WATERED AS REQUIRED BY CONDITIONS
- OR REQUESTED BY THE DEEP TO CONTROL DUST AS NOTED ABOVE. 8) ONCE THE PROPOSED SITE IS IN FINAL GRADED SHAPE, TOPSOIL AND SEEDING SHOULD COMMENCE ALONG WITH THE INSTALLATION OF NEW CHECK HAY BALE BARRIERS AS REQUIRED. CONSTRUCTION TRAFFIC SHOULD BE RUN ON APPROVED
- SUBBASE, WITH RUNOFF, EROSION & DUST CONTROLLED AS NECESSARY. 9) THESE EROSION AND SEDIMENTATION CONTROL PLANS SHALL BE IN COMPLIANCE WITH PERMITS ISSUED AND IN COMPLIANCE WITH THE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS.
- 10) RESPONSIBLE PERSONS:

E. EARTH SLOPES

- 1) ALL EARTH SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL SHALL BE COVERED WITH EROSION CONTROL BLANKET UNTIL VEGETATION IS ESTABLISHED.
- 2) ALL EARTH SLOPES (REGARDLESS OF GRADE) WHERE THE TOE OF SLOPE IS WITHIN 25' OF A WETLAND SHALL BE COVERED WITH EROSION CONTROL BLANKET UNTIL VEGETATION IS ESTABLISHED.
- F. <u>SEEDING</u>
- 1) TEMPORARY VEGETATIVE COVER: SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CONNECTICUT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS BRIDGES & INCIDENTAL CONSTRUCTION (FORM 817) AND THE SPECIFICATIONS
- 2) <u>PERMANENT VEGETATIVE COVER:</u> DISTURBED AREAS SHALL BE FINE GRADED AND COVERED WITH A MINIMUM OF 6 INCHES OF TOPSOIL. FERTILIZER SHALL BE APPLIED AT THE RATE OF ± 45 LBS. (NITROGEN) PER ACRE USING 1-2-1 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT THE RATE OF 3 TONS/ACRE (OR IN ACCORDANCE WITH SPECIFIC SOIL TESTS). WORK FERTILIZER AND LIMESTONE THOROUGHLY INTO THE TOPSOIL. REFER TO SPECIFICATIONS FOR FURTHER DETAILED FERTILIZER REQUIREMENTS.
- 3) <u>SEED MIXTURE:</u> SEED MIXTURE SHALL BE AS DEFINED IN THE SPECIFICATIONS. CONTRACTOR SHALL SUBMIT THE SEED SUPPLIERS NAME, LOCATION AND SEED MIX TO THE ENGINEER PRIOR TO APPLICATION OF SEED.
- 4) <u>SEEDING DATES:</u> ALL PERMANENT SEEDING SHALL BE DONE DURING THE SEEDING PERIODS OF APRIL 15 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 15. WATER, MOW, AND REPAIR VEGETATIVE COVER TO MAINTAIN IT IN A HEALTHY ALL PERMANENT SEEDING SHALL BE DONE DURING THE SEEDING PERIODS OF APRIL 15 THROUGH JUNE GROWING CONDITION. TEMPORARY SEEDING SHALL BE PERFORMED AS NECESSARY TO STABILIZE SLOPES DURING ALL PERIODS OF CONSTRUCTION. THE CONTRACTOR SHALL WATER AS NECESSARY TO ESTABLISH AND MAINTAIN HEALTHY GROWING CONDITIONS.
- G. <u>RECORDS</u>

- 1) LOCATION OF THE EROSION AND SEDIMENTATION CONTROL MEASURE.
- 2) INSTALLED BY (PRINT NAME AND SIGNATURE) AND DATE OF INSTALLATION.
- 3) APPROVAL BY DEEP OF THE INSTALLED MEASURE (PRINT NAME AND SIGNATURE) AND DATE OF APPROVAL.
- 4) SUBSEQUENT INSPECTIONS, DATE OF INSPECTION & REASON FOR INSPECTION. 5) RESULTS OF SUBSEQUENT INSPECTION, ACTION TO BE TAKEN BY THE CONTRACTOR SPECIFIC REQUIREMENTS OF THIS PLAN.



12) ALL ROAD WAYS IN THE VICINITY OF THE PROPOSED PROJECT SHALL BE KEPT FREE OF DUST AND SEDIMENT. AND SHALL BE CLEANED PERIODICALLY AS REQUIRED BY CONSTRUCTION ACTIVITIES AND PRIOR TO ANY RAINFALL AND RUNOFF EVENT AS DIRECTED BY THE ENGINEER. METHODS USED TO MEET THIS REQUIREMENT SHALL CONFORM TO THE ENVIRONMENTAL

13) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND REPAIR EROSION AND SEDIMENT CONTROL MEASURES DURING ALL STORM EVENTS AS REQUIRED TO PREVENT DAMAGE OR SEDIMENTATION TO ADJACENT LAND, STREAMS AND

14) CONTRACTOR SHALL MAKE ANY REPAIRS OR RESTORATION TO PROPERTY OR ENVIRONMENT CAUSED BY SEDIMENTATION. 15) ALL WORK AFFECTING WETLANDS SHALL BE SCHEDULED DURING LOW FLOW MONTHS.

> DURING CONSTRUCTION - TO BE DESIGNATED BY THE CONTRACTOR. LONG TERM MAINTENANCE - TO BE DESIGNATED BY THE DEEP.

EROSION AND SEDIMENTATION CONTROL RECORDS SHALL BE KEPT BY THE CONTRACTOR. INSTALLATION, INSPECTION, APPROVAL AND MAINTENANCE OF INSTALLATION RECORDS SHALL INDICATE THE FOLLOWING:

CURLEX SEDIMENT LOG

FLOW_

CURLEX SEDIMENT LOG

-WOOD STAKE

-CHANNEI

BOTTOM

5" MINIMUM

STAKE DETAIL

9 STAKE DETAIL

WOOD STAKE TO ONLY

NOT CURLEX MATERIAL

-WOOD STAKE

5" MINIMUN

-WOOD STAKE TO ONLY

PENETRATE NETTING, NOT CURLEX MATERIAL

PENETRATE NETTING,

- SOIL SURFACE OR OPTIONAL

TOP OF CURLEX BLANKET

- || // // 1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED ____ _____ _____ -----DOUBLE ROW SILT FENCING OR HAYBALE WITH TEMPORARY SEED MIX OR MULCHED. BACKED SILT FENCE (1) STOCKPILE DETAIL
- REUSED AND/OR NEW MATERIAL TO BE INSTALLED IN THE WORK -----DIRECTION OF RUN-OFF

4" MIN

CT. D.O.T. GRADATION #3 CRUSHED GRAVEL

SOIL SURFACE OR OPTIONAL

FLOW

TOP OF CURLEX BLANKET

ROAD STABILIZATION FILTER FABRIC

TYPICAL ANTI-TRACKING PAD

CURLEX SEDIMENT LOG -

STAPLE DETAIL (SIDE VIEW) OVERLAPPING JOIN N.T.S.

H. NATURAL DIVERSITY DATA BASE INFORMATION:

MUSSELS TO BE MOVED AND RELOCATED.

TO BE DETERMINED

EXPOSED.

- 5. STOCKPILES OF EARTH MATERIALS TO BE IN PLACE GREATER THAN 30 DAYS SHALL BE COVERED, SEEDED
- 4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2(HORZ):1(VERT) OR FLATTER.
- CONDITION AND RESEED AS REQUIRED.
- APPROVAL OF THE ENGINEER. 3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT
- 2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS OR LOCATED IN THE FIELD WITH THE
- FROM THE SITE AND PROPERLY DISPOSED OF.
- FLOW (TYP.)

- SOIL/AGGREGATE STOCKPILE OF

EXISTING SITE MATERIAL TO BE

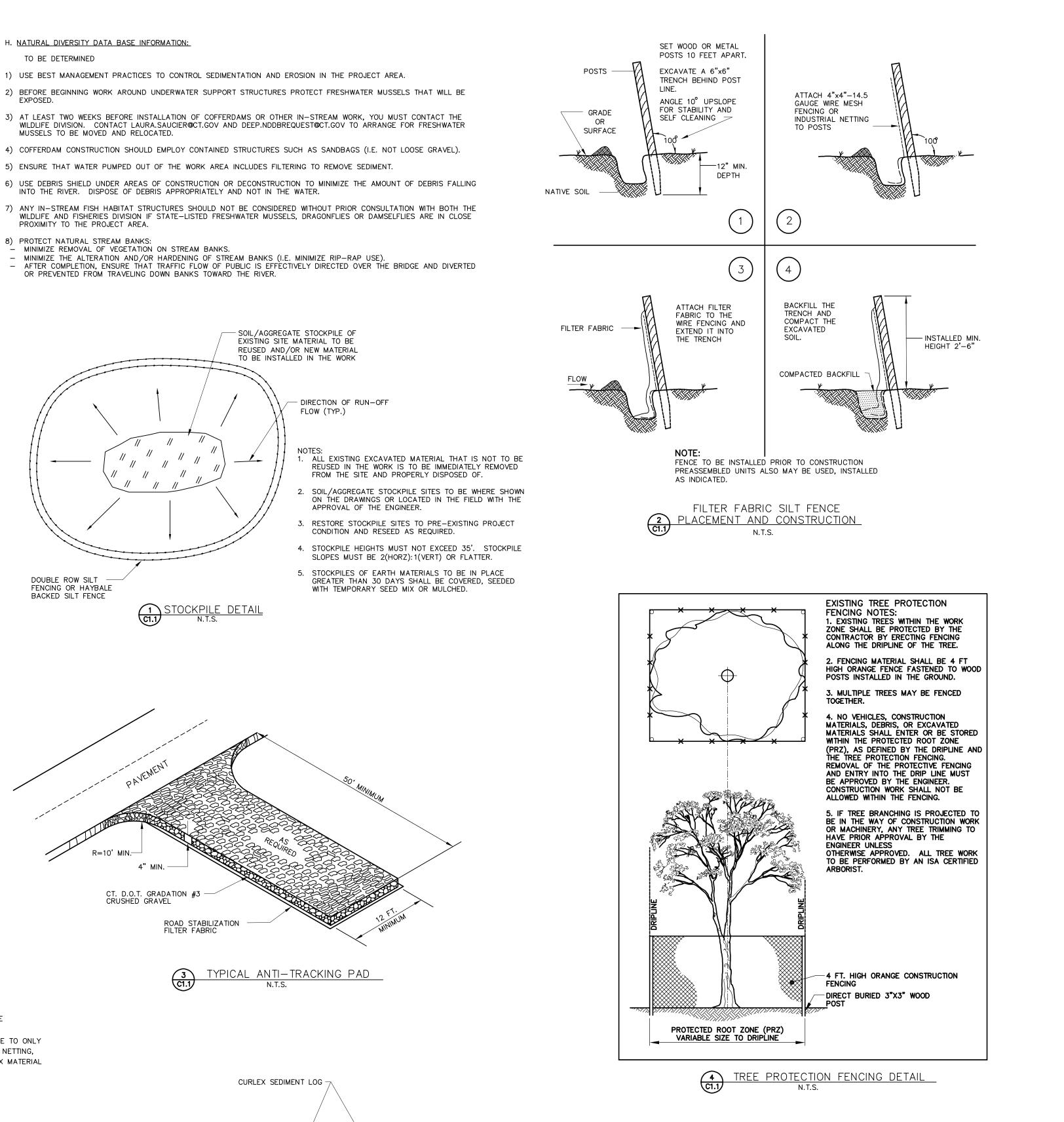
- MINIMIZE THE ALTERATION AND/OR HARDENING OF STREAM BANKS (I.E. MINIMIZE RIP-RAP USE). - AFTER COMPLETION, ENSURE THAT TRAFFIC FLOW OF PUBLIC IS EFFECTIVELY DIRECTED OVER THE BRIDGE AND DIVERTED OR PREVENTED FROM TRAVELING DOWN BANKS TOWARD THE RIVER.
- 8) PROTECT NATURAL STREAM BANKS: - MINIMIZE REMOVAL OF VEGETATION ON STREAM BANKS.
- 7) ANY IN-STREAM FISH HABITAT STRUCTURES SHOULD NOT BE CONSIDERED WITHOUT PRIOR CONSULTATION WITH BOTH THE WILDLIFE AND FISHERIES DIVISION IF STATE-LISTED FRESHWATER MUSSELS, DRAGONFLIES OR DAMSELFLIES ARE IN CLOSE PROXIMITY TO THE PROJECT AREA.

- 5) ENSURE THAT WATER PUMPED OUT OF THE WORK AREA INCLUDES FILTERING TO REMOVE SEDIMENT.

- INTO THE RIVER. DISPOSE OF DEBRIS APPROPRIATELY AND NOT IN THE WATER.

- 6) USE DEBRIS SHIELD UNDER AREAS OF CONSTRUCTION OR DECONSTRUCTION TO MINIMIZE THE AMOUNT OF DEBRIS FALLING

1) USE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENTATION AND EROSION IN THE PROJECT AREA.

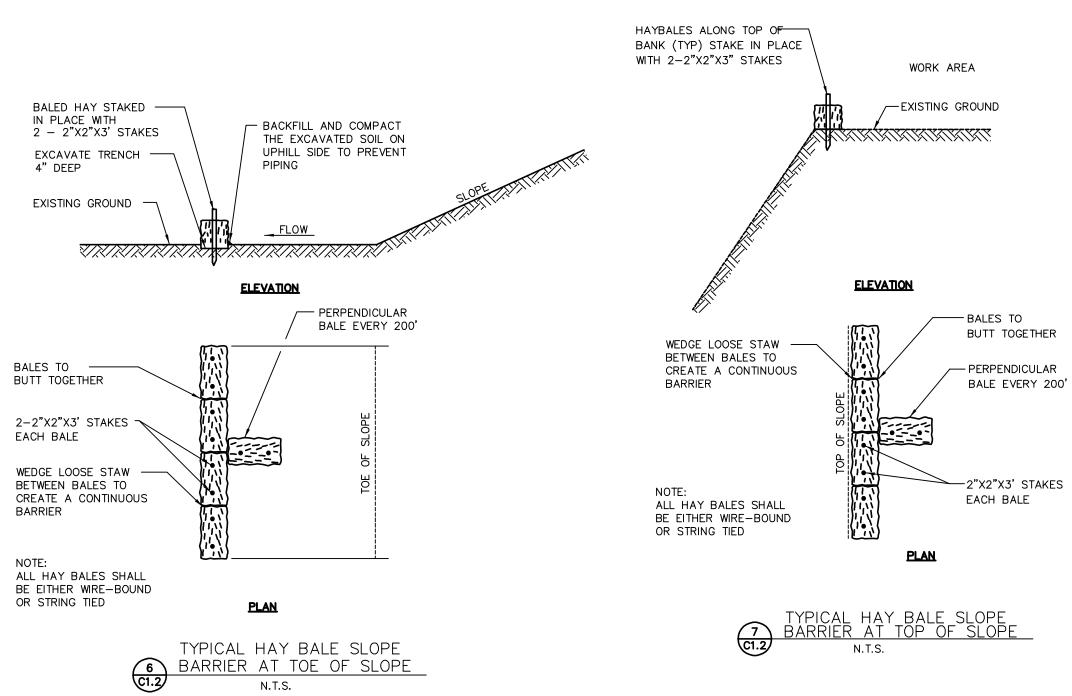


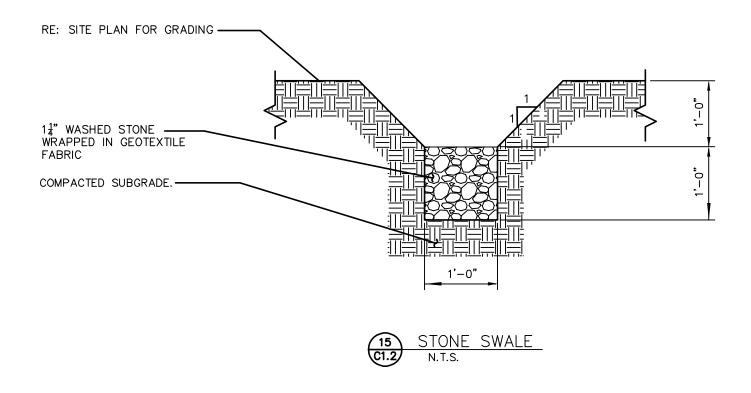
STAPLES TO ONLY PENETRATE NETTING, NOT CURLEX MATERIAL

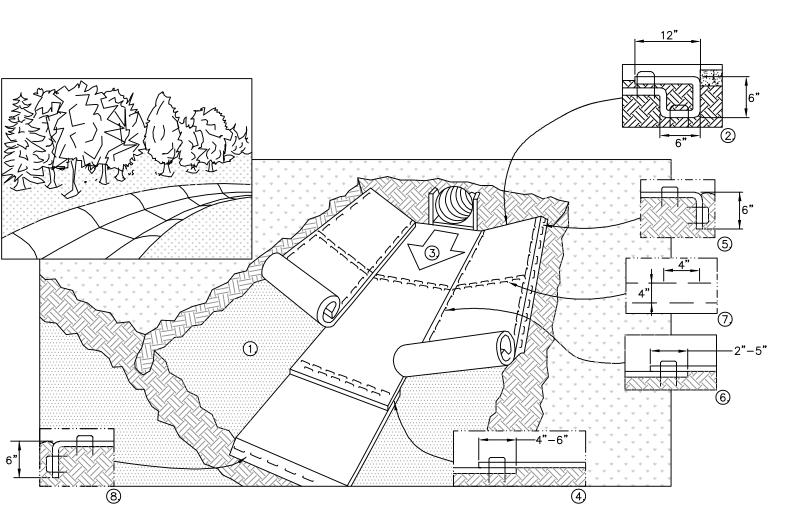
MINIMUM

-	ND DE	OSION NOTES TAILS VISIONS	STATE OF CONNECTICUT DEPT. OF ENERGY AND ENVIRONMENTAL PROTECTION									
				Date								
Mark	Date	Description		08/30/24								
												Sc ale AS NOTED
			Project: CHATFIELD HOLLOW STATE PARK	Drawn By JMB								
	REPLACEMENT OF COVERED BRIDGE E159 OVER CHATFIELD HOLLOW BROOK		Approved HSM									
			KILLINGWORTH, CT									
			DEEP PROJECT ID: DEPA000013202327	C-1.1								

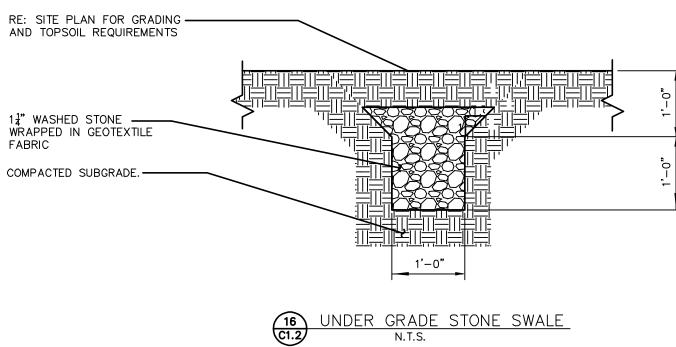
THIS PROJECT INVOLVES REPLACING THE CHATFIELD HOLLOW WOODEN COVERED BRIDGE.



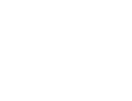




- NOTE:







1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP'S IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. ANCHOR AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" ACROSS THE WIDTH OF THE RECP'S.

3. ROLL CENTER RECP'S IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN. 4. PLACE CONSECUTIVE RECP'S END OVER END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE RECP's.

5. FULL LENGTH EDGE OF RECP'S AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

6. ADJACENT RECP'S MUST BE OVERLAPPED APPROXIMATELY 2"-5" (DEPENDING ON RECP'S TYPE) AND STAPLED.

7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.

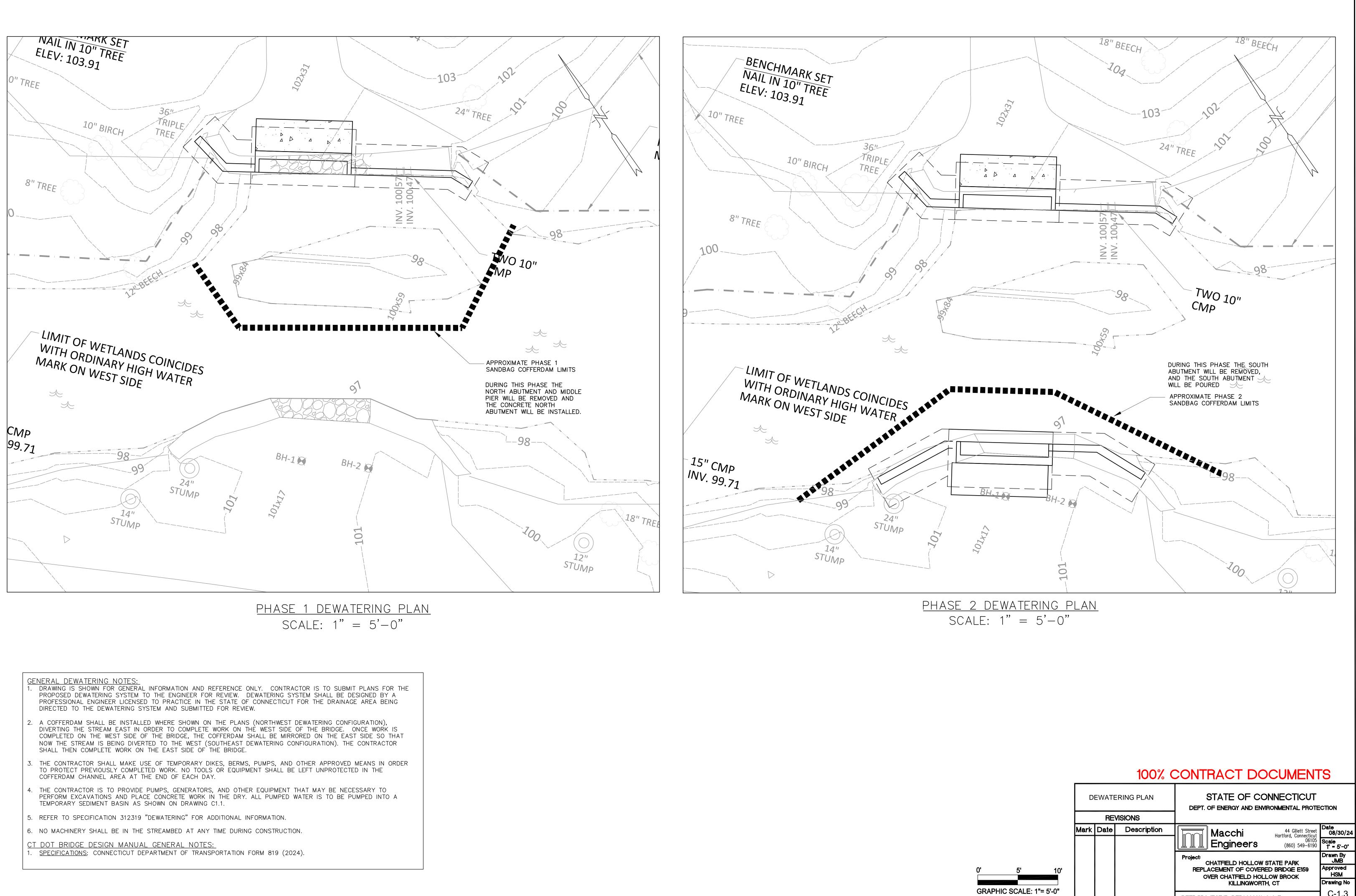
8. THE TERMINAL END OF THE RECP'S MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP'S. * HORIZONTAL STAPLE SPACING SHOULD BE ALTERED UF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

CRITICAL POINTS A. OVERLAPS AND SEAMS ′ **∕−**₿ B. PROJECTED WATER LINE CHANNEL BOTTOM/SIDE SLOPE VERTICES

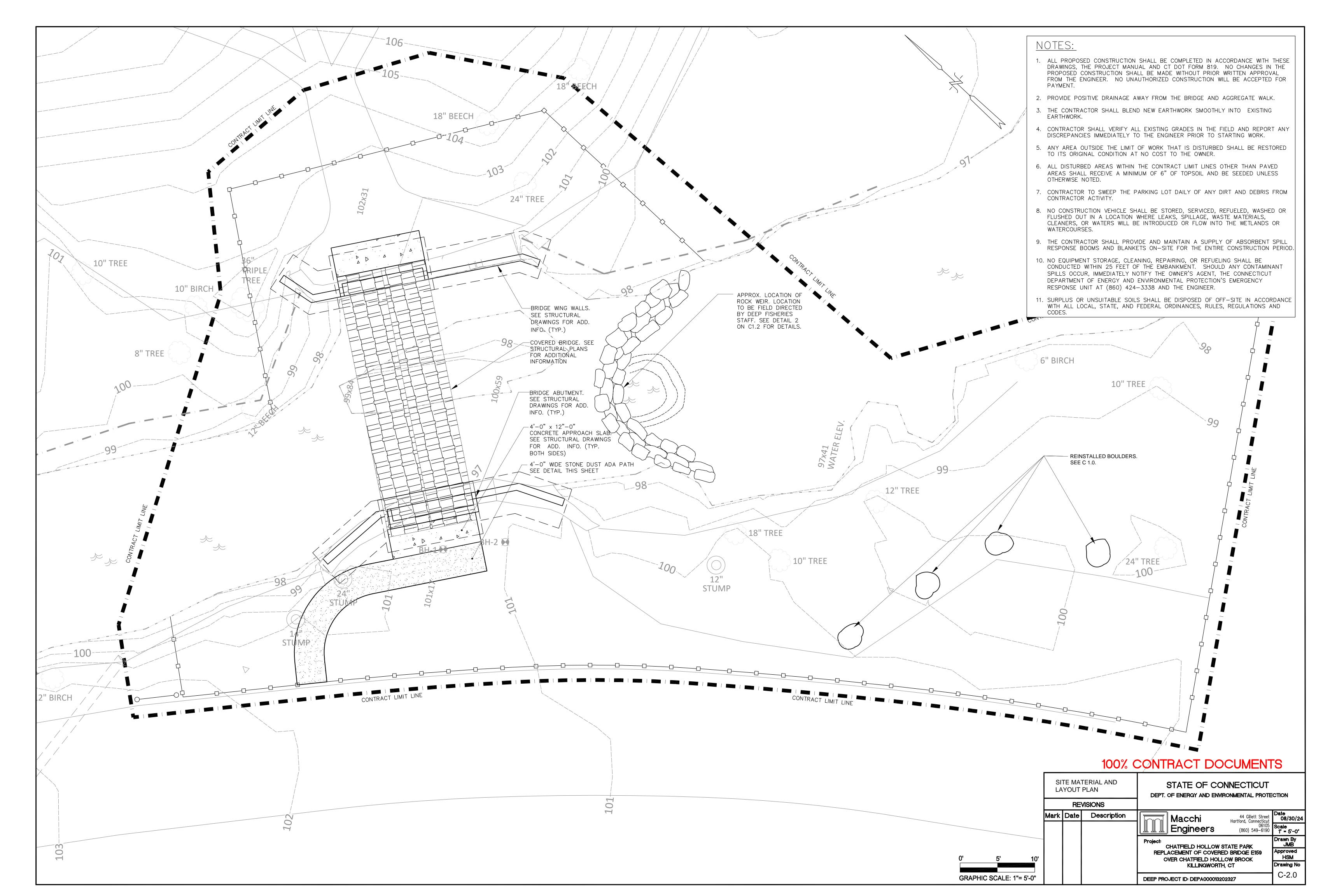
5 INSTALLATION OF EROSION CONTROL BLANKET – DRAINAGE SWALES N.T.S.

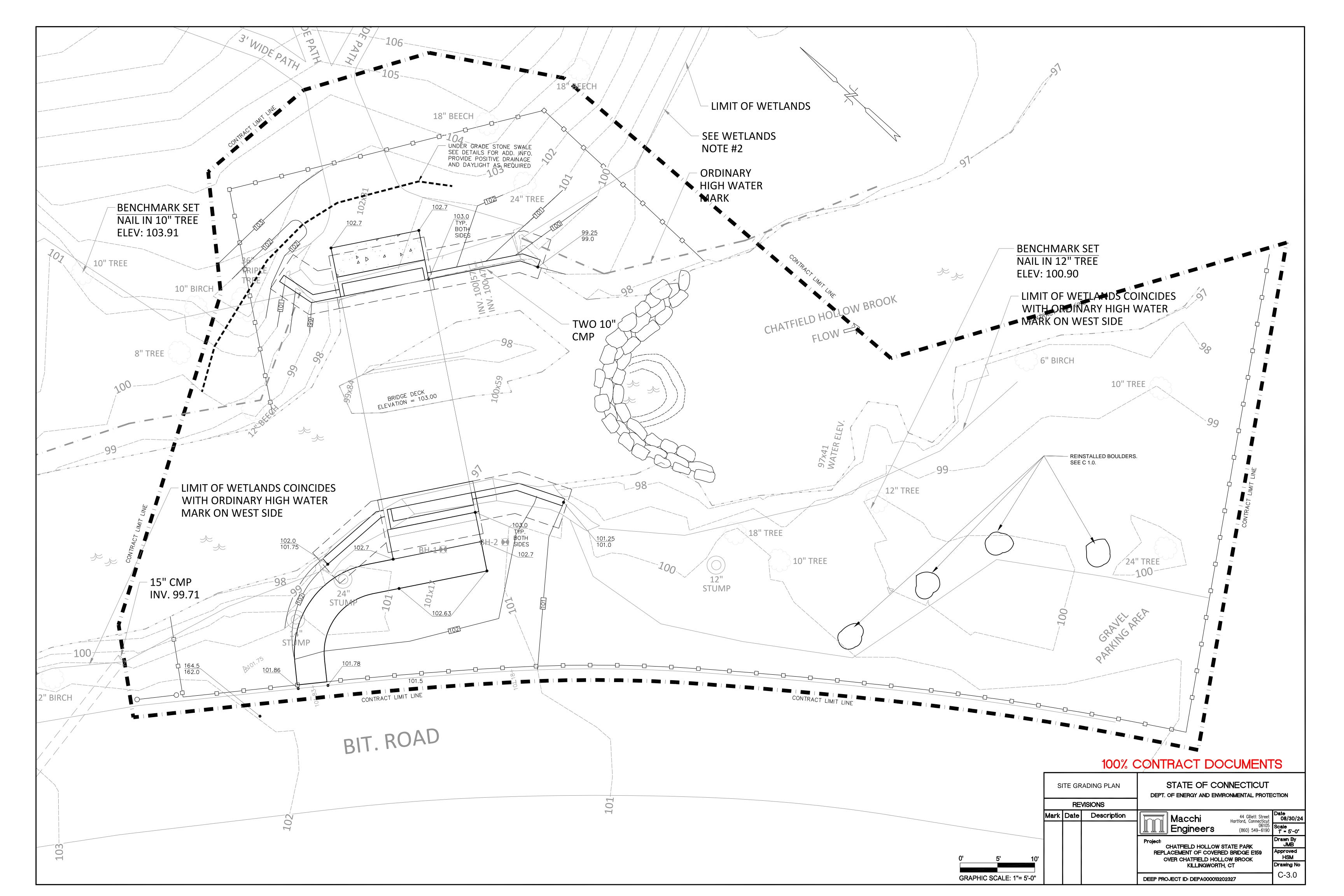
			STATE OF CO DEPT. OF ENERGY AND ENVI		CTION
	RE	VISIONS			
Mark	Date	Description	Macchi	44 Gillett Street Hartford, Connecticut	Date 08/30/24
			Engineers	06105 (860) 549–6190	Scale AS SHOWN
			Project: CHATFIELD HOLLOW §	TATE PARK	Drawn By JMB
			REPLACEMENT OF COVERE OVER CHATFIELD HOLL	D BRIDGE E159	Approved HSM
			KILLINGWORTH		Drawing No
			DEEP PROJECT ID: DEPA00001320)2327	C-1.2

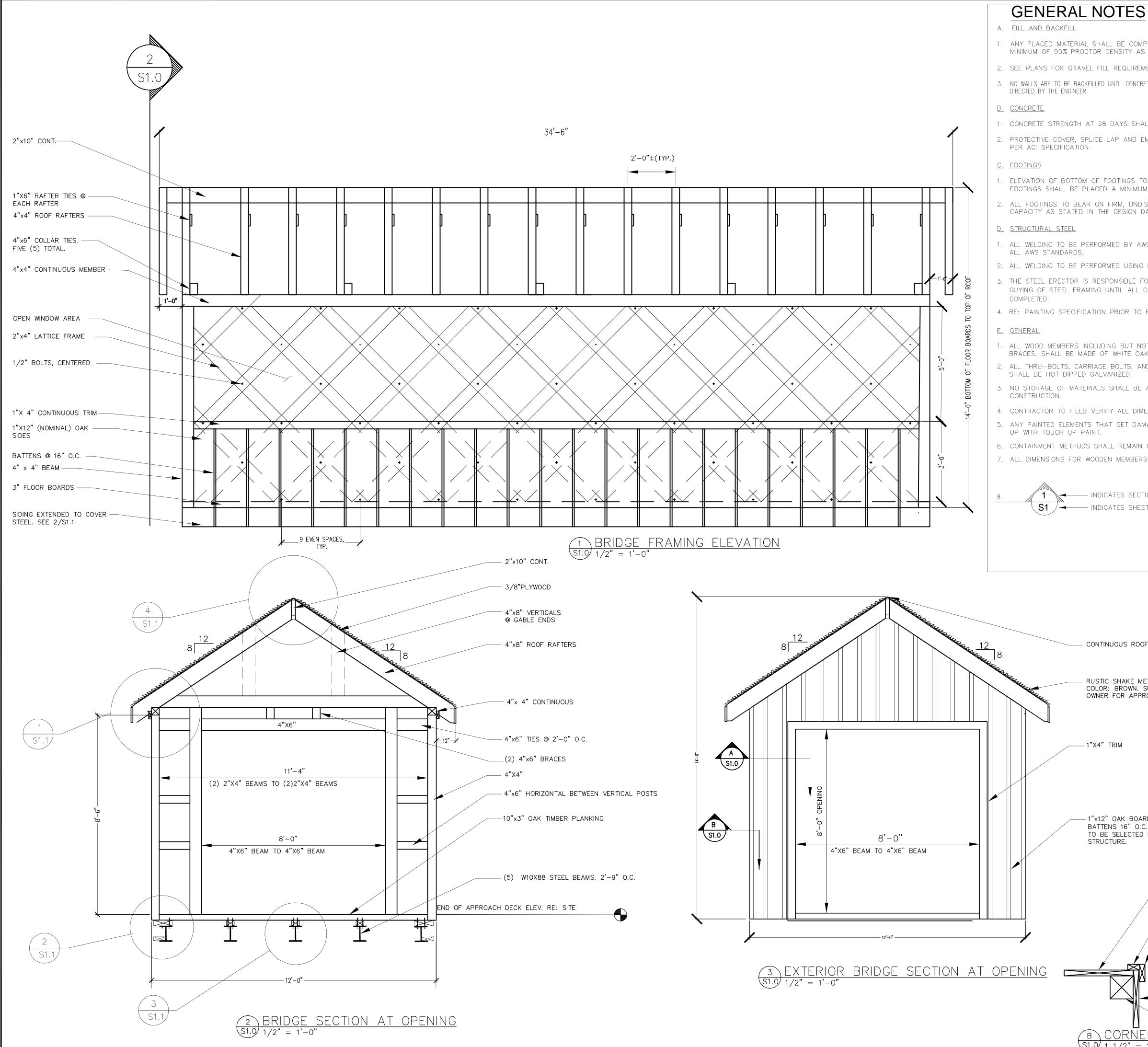


C-1.3

DEEP PROJECT ID: DEPA000013202327







1. ANY PLACED MATERIAL SHALL BE COMPACTED WITH A MECHANICAL VIBRATOR TO A MINIMUM OF 95% PROCTOR DENSITY AS DEFINED BY ASTM D1557.

2. SEE PLANS FOR GRAVEL FILL REQUIREMENTS.

3. NO WALLS ARE TO BE BACKFILLED UNTIL CONCRETE HAS BEEN IN PLACE A MINIMUM OF 7 DAYS UNLESS

1. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS INDICATED IN DESIGN DATA. 2. PROTECTIVE COVER. SPLICE LAP AND EMBEDMENT FOR REINFORCING STEEL SHALL BE

1. ELEVATION OF BOTTOM OF FOOTINGS TO BE VERIFIED WITH FIELD CONDITIONS. ALL FOOTINGS SHALL BE PLACED A MINIMUM OF 3'-6" BELOW FINAL GRADES. 2. ALL FOOTINGS TO BEAR ON FIRM, UNDISTURBED SOIL HAVING A SAFE BEARING CAPACITY AS STATED IN THE DESIGN DATA.

1. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH

2. ALL WELDING TO BE PERFORMED USING E70-XX ELECTRODES.

3. THE STEEL ERECTOR IS RESPONSIBLE FOR SUPPLYING TEMPORARY BRACING AND GUYING OF STEEL FRAMING UNTIL ALL CONNECTIONS AND FLOORING HAVE BEEN

4. RE: PAINTING SPECIFICATION PRIOR TO REINSTALLATION OF STEEL.

1. ALL WOOD MEMBERS INCLUDING BUT NOT LIMITED TO VERTICAL POSTS, RAFTERS AND BRACES, SHALL BE MADE OF WHITE OAK. 2. ALL THRU-BOLTS, CARRIAGE BOLTS, AND ANY OTHER MISCELLANEOUS HARDWARE

3. NO STORAGE OF MATERIALS SHALL BE ALLOWED ON ROOF MEMBERS DURING

4. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. 5. ANY PAINTED ELEMENTS THAT GET DAMAGED DURING CONSTRUCTION SHALL BE TOUCHED

6. CONTAINMENT METHODS SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION. 7. ALL DIMENSIONS FOR WOODEN MEMBERS ARE NOMINAL

> MA INDICATES SECTION NUMBER S1 /→ INDICATES SHEET NUMBER

DESIGN DATA

CODES AND STANDARDS USED:

2022 CONNECTICUT BUILDING CODE 2021 INTERNATIONAL BUILDING CODE AMERICAN CONCRETE INSTITUTE BUILDING CODE (ACI-318-14) AMERICAN INSTITUTE OF STEEL CONSTRUCTION "ALLOWABLE STRESS DESIGN" (AISC-14TH EDITION,ANSI/AISC 360-10) ACI 530-13 / ASCE 5-13 / TMS 402-11 MASONRY CODES ACI 530.1–11 / ASCE 6–11 / TMS 602–11 MASONRY SPECIFICATIONS AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 7TH EDITION

ALLOWABLE STRESSES: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

ANGLES, & PLATES ASTM A36; REINFORCING STEEL - ASTM A-615, GRADE 60 & ASTM A-185 CONCRETE – f'c AT 28 DAYS 4,500 PSI FOR ALL FOOTINGS & WALLS GROUT - fc AT 28 DAYS = 3,000 PSIALLOWABLE SOIL BEARING PRESSURES: 2 KSF (ASSUMED)

MINIMUM WOOD PROPERTIES :

ALL APPROACH RAMP AND DECKING TO BE WHITE OAK: SELECT STRUCTURAL MINIMUM Fb = 1200 PSIMINIMUM Ft = 700 PSI MINIMUM Fv = 205 PSI

ALL OTHER WOOD TO BE WHITE OAK MINIMUM Fb = 875 PSI MINIMUM Ft = 500 PSI MINIMUM Fv = 220 PSI

WIND LOAD REQUIREMENTS: (IBC SECTION 1609)

EXPOSURE CATEGORY B (IBC 1609.4) ULTIMATE DESIGN WIND SPEED Vult = 125 MPH KILLINGWORTH) NOMINAL DESIGN WIND SPEED Vasd = 97 MPH (KILLINGWORTH) RISK CATEGORY II (IBC 1609.4) EXPOSURE CATEGORY B (IBC 1609.4) WALL PRESSURES VARY UPON LOCATION- DETERMINED BY ASCE 7-CHAPTER 26-30 HURRICANE PRONE REGION

EARTHQUAKE REQUIREMENTS: (IBC SECTIONS 1613-1623) SEISMIC IMPORTANCE FACTOR, Ie = 1.25

SITE CLASS = D (ASSUMED) Ss = 0.210 (KILLINGWORTH) S1 = 0.055 (KILLINGWORTH)

RISK CATEGORY II

RESPONSE MODIFICATION COEFFICIENT R = 3 (ASSUMED) (NO SPECIAL SEISMIC DETAILING REQUIREMENT) DEFLECTION AMPLIFICATION FACTOR (ASCE TABLE 12.2-1) EQUIVALENT LATERAL FORCE PROCEDURE

<u>LIVE LOAD</u>: PEDESTRIAN BRIDGE = 100 PSF (PEDESTRIAN) 2,000 LBS (EQUESTRIAN)

<u>Snow Load</u>: ROOF SNOW LOADS: (ASCE7 – CHAPTER 7) GROUND SNOW LOAD Pg = 30 PSF (KILLINGWORTH)

FLAT ROOF SNOW LOAD, Pf = 30 PSF (MINIMUM) TERRAIN CATEGORY B SNOW IMPORTANCE FACTOR, Is = 1.0 THERMAL FACTOR = 1.2

SLIDING SNOW, UNBALANCED SNOW LOADS, DRIFTS ON LOWER ROOFS, ROOF PROJECTIONS PARTIAL LOADING, PONDING INSTABILITY, SLOPED ROOF SNOW LOADS AND RAIN-ON-SNOW SURCHARGE IN ACCORDANCE WITH ASCE 7, CH.7.

CONTINUOUS ROOF CAP

RUSTIC SHAKE METAL ROOF PANEL SYSTEM. COLOR: BROWN. SUBMIT COLOR SAMPLE TO OWNER FOR APPROVAL. RE: SPECIFICATIONS

_ 1"X4" TRIM

- 1"x12" OAK BOARD SIDING W/ 1"x2" BATTENS. BATTENS 16" O.C. SHALL BE STAINED RED; COLOR TO BE SELECTED BY OWNER AND MATCH PREVIOUS STRUCTURE.

1"X12" OAK BOARDS

COLOR TO BE CHOSEN

STAINED RED;

1"X2" BATTEN

— 1"X12" BOARD

4"X4"

<u>b corner detail</u>

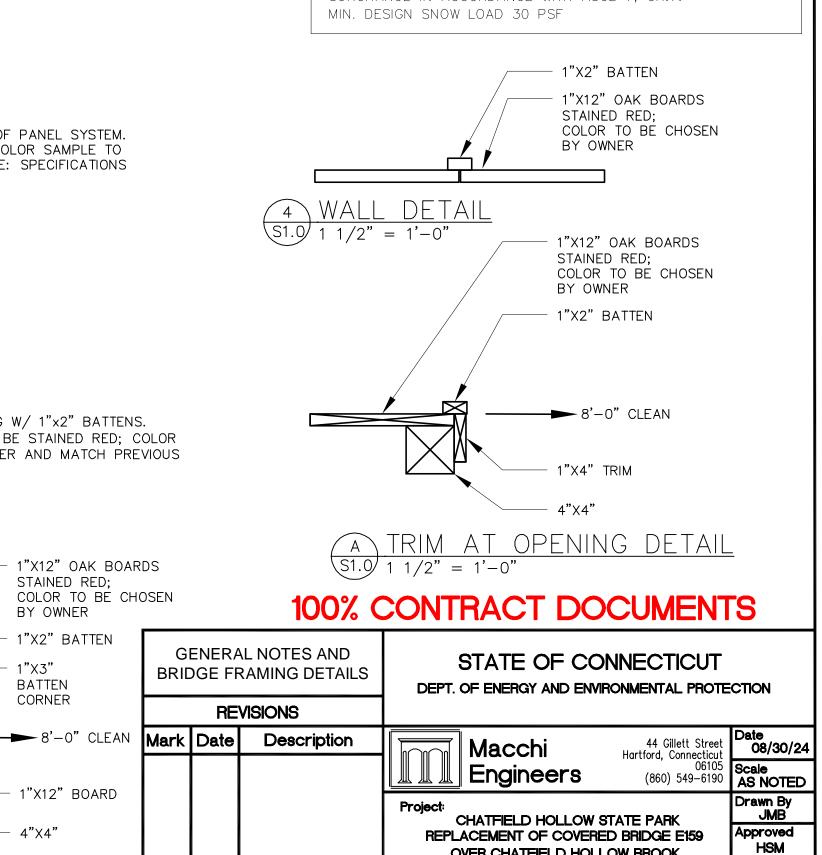
(S1.0) 1 1/2" = 1'-0"

BY OWNER

1"X3"

BATTEN

CORNER



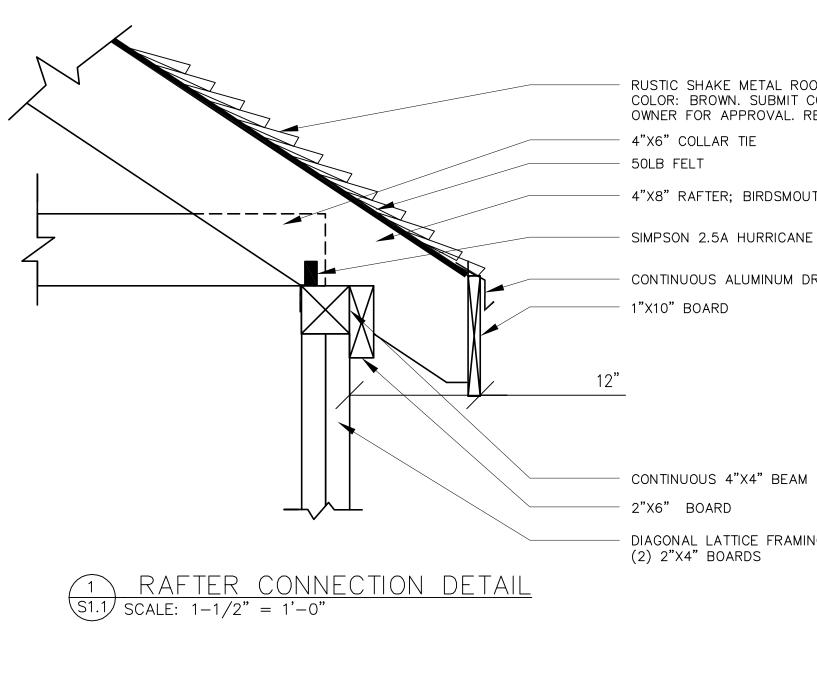
OVER CHATFIELD HOLLOW BROOK

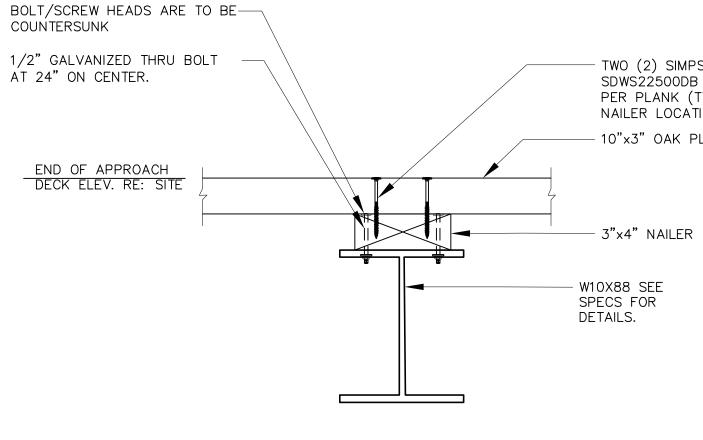
DEEP PROJECT ID: DEPA000013202327

KILLINGWORTH, CT

Drawing No

S-1.0





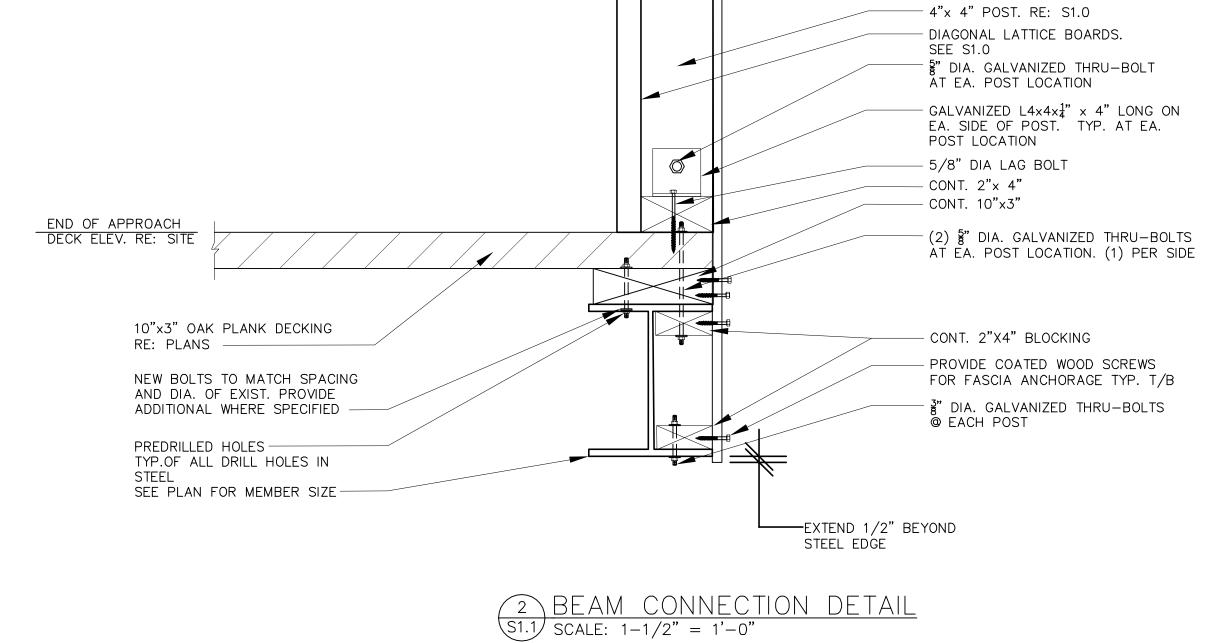
RUSTIC SHAKE METAL ROOF PANEL SYSTEM. COLOR: BROWN. SUBMIT COLOR SAMPLE TO OWNER FOR APPROVAL. RE: SPECIFICATIONS

4"X8" RAFTER; BIRDSMOUTHED

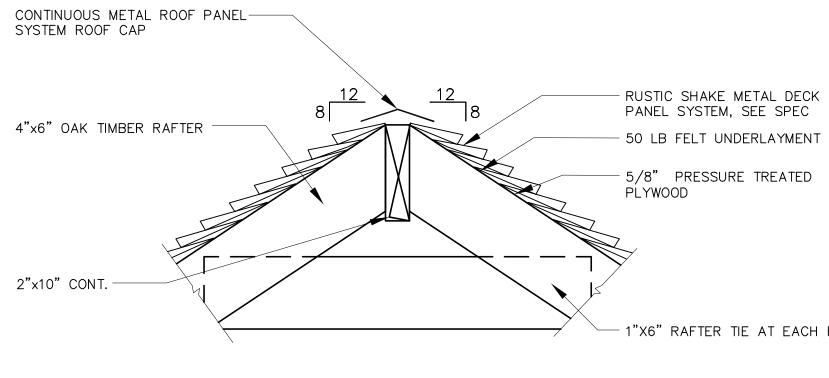
SIMPSON 2.5A HURRICANE CLIP

CONTINUOUS ALUMINUM DRIP EDGE

DIAGONAL LATTICE FRAMING



— TWO (2) SIMPSON SDWS22500DB TIMBER SCREWS PER PLANK (TYP.) AT EACH NAILER LOCATION. TYP. — 10"×3" OAK PLANK DECKING





100% CONTRACT DOCUMENTS

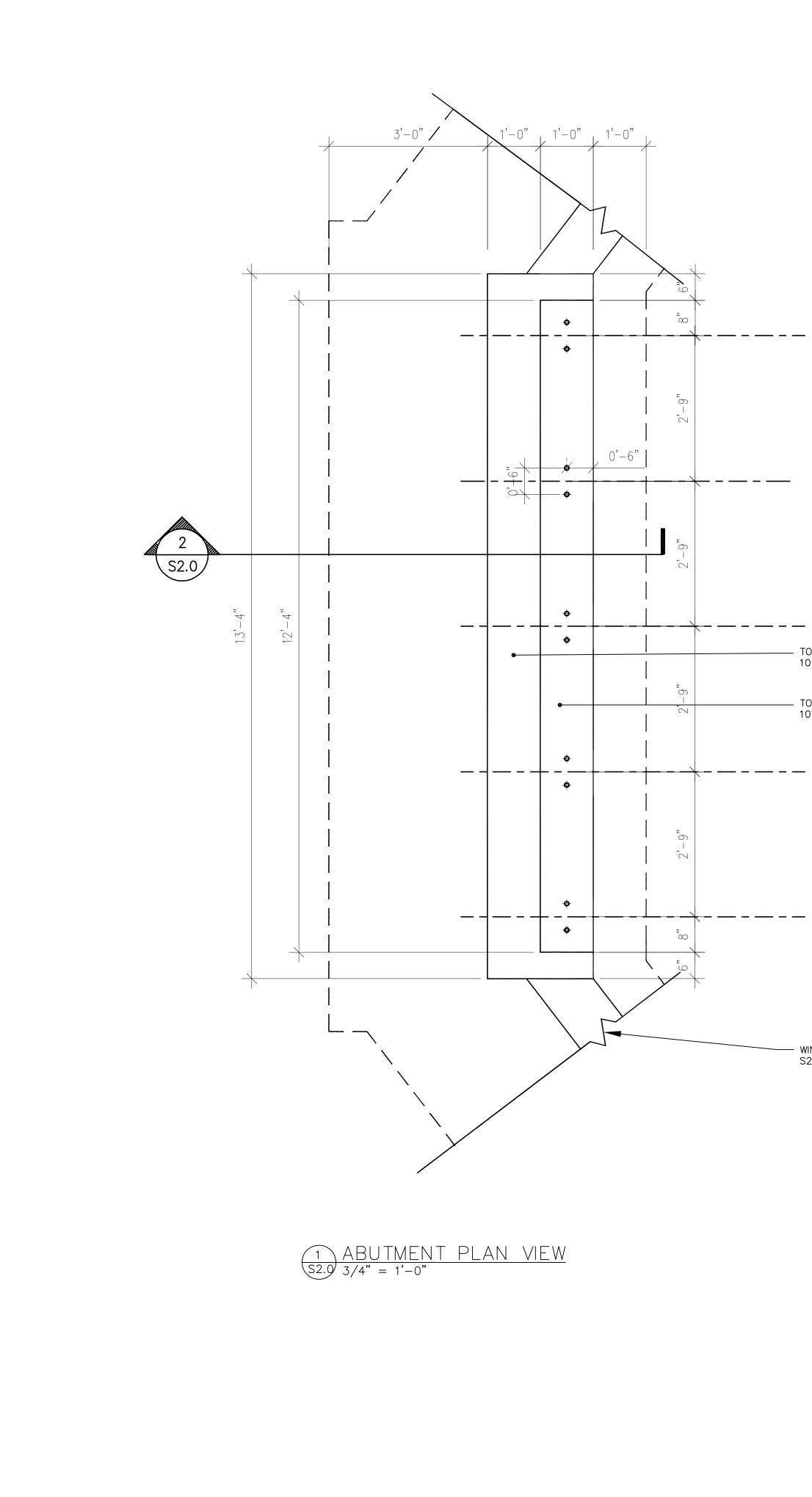
	-	E SECTIONS DETAILS	STATE OF CONNECTICUT DEPT. OF ENERGY AND ENVIRONMENTAL PROTECTION				
	RE	VISIONS					
Mark	Date	Description	Macchi 44 Gill Hartford, Cd	ett Street Date 08/30/24			
				06105 Scale 549–6190 1" = 5'–0"			
			Project: CHATFIELD HOLLOW STATE PARK	/ Drawn By JMB			
			REPLACEMENT OF COVERED BRIDGE I OVER CHATFIELD HOLLOW BROOK	E159 Approved			
			KILLINGWORTH, CT	Drawing No			
			DEEP PROJECT ID: DEPA000013202327	S-1.1			

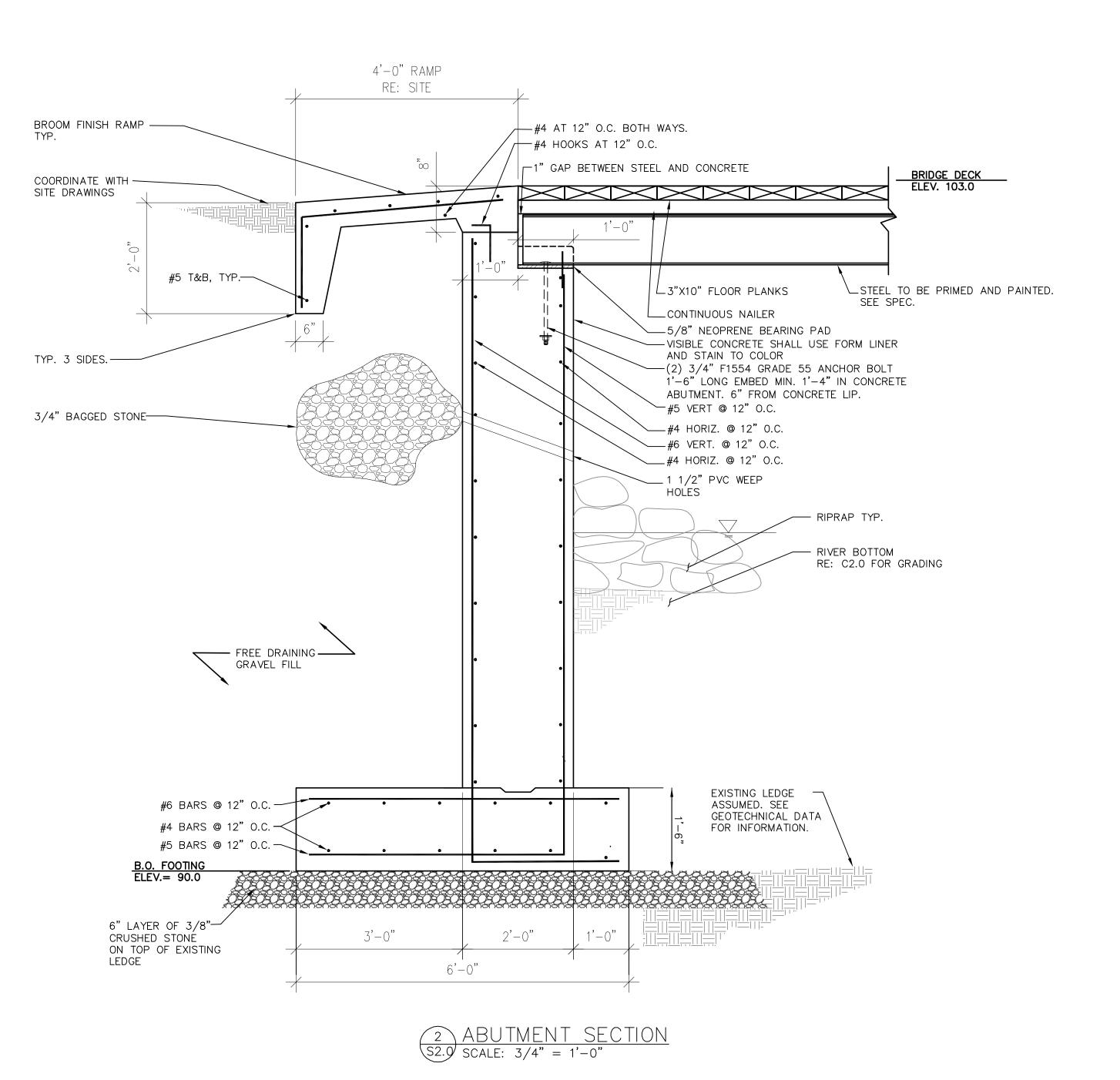
- BOARD AND BATTEN SIDING EXTENDED TO

COVER STEEL BEAMS

RE: S1.0

— 1"X6" RAFTER TIE AT EACH RAFTER



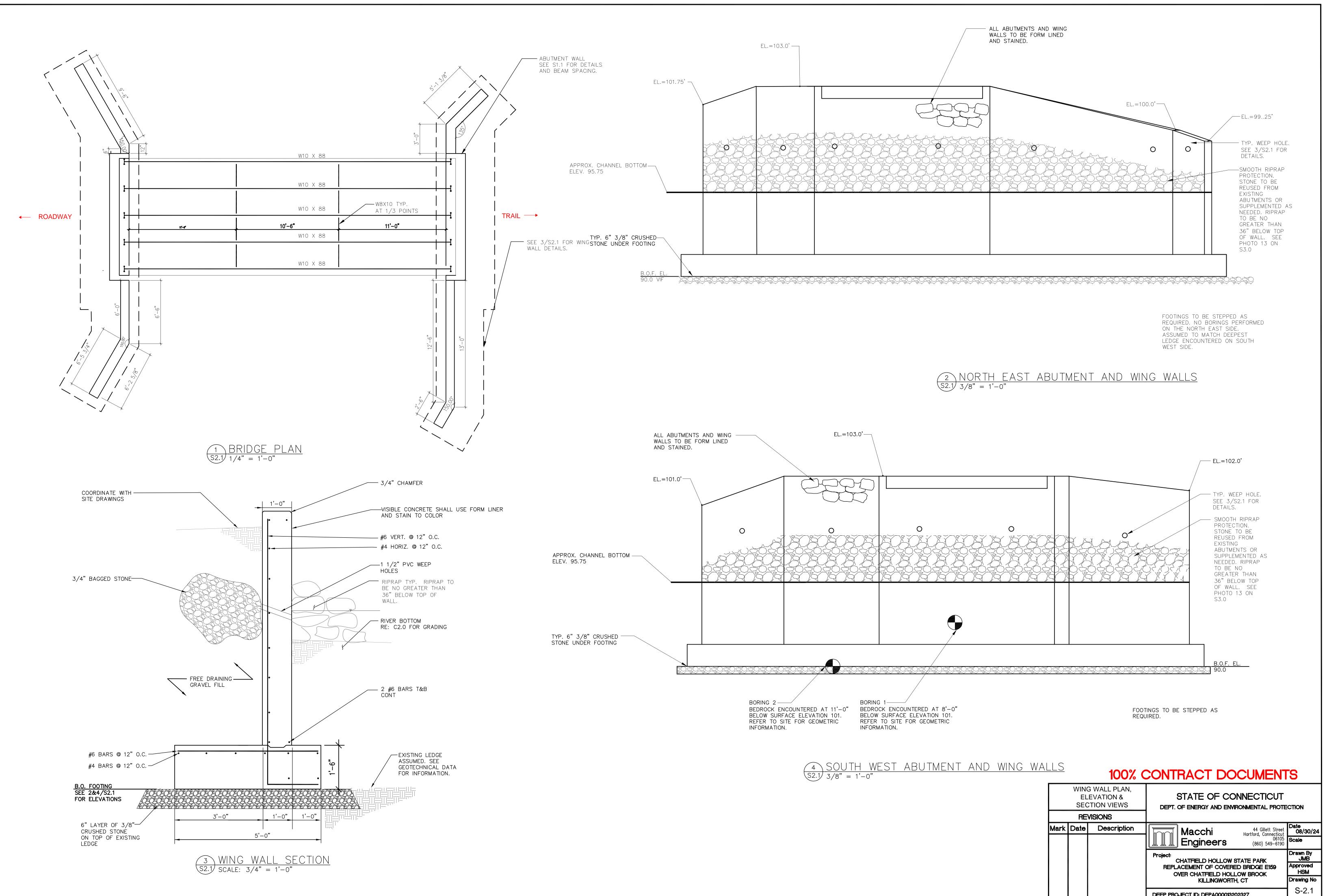


TOP OF CONCRETE
102.33
TOP OF CONCRETE

101.55

- WING WALL. SEE S2.1 FOR DETAILS

		E ABUTMENT ECTION VIEWS	STATE OF CONNECTICUT DEPT. OF ENERGY AND ENVIRONMENTAL PROTECTION		
	RE	VISIONS			
Mark	Date	Description	Macchi 44 Gillett Street Hartford, Connecticut	Date 08/30/24	
				Scale	
			CHATFIELD HOLLOW STATE PARK REPLACEMENT OF COVERED BRIDGE E159 OVER CHATFIELD HOLLOW BROOK	Drawn By JMB Approved HSM Drawing No	
			DEEP PROJECT ID: DEPA000013202327	S-2.0	



DEEP PROJECT ID: DEPA000013202327



1 PREVIOUS BRIDGE SOUTHWEST OPENING



5 PREVIOUS BRIDGE RAFTERS



9 PREVIOUS BRIDGE ABUTMENTS \$3.0

















3 PREVIOUS BRIDGE CEILING



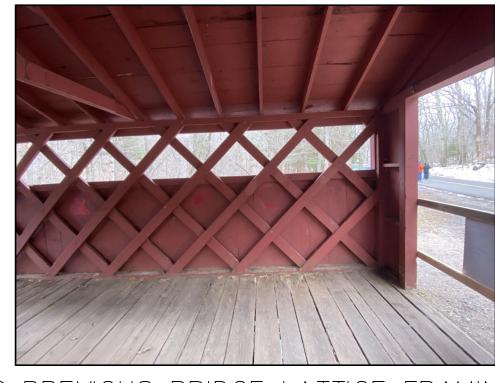
7 PREVIOUS BRIDGE SOUTHERN ELEVATION







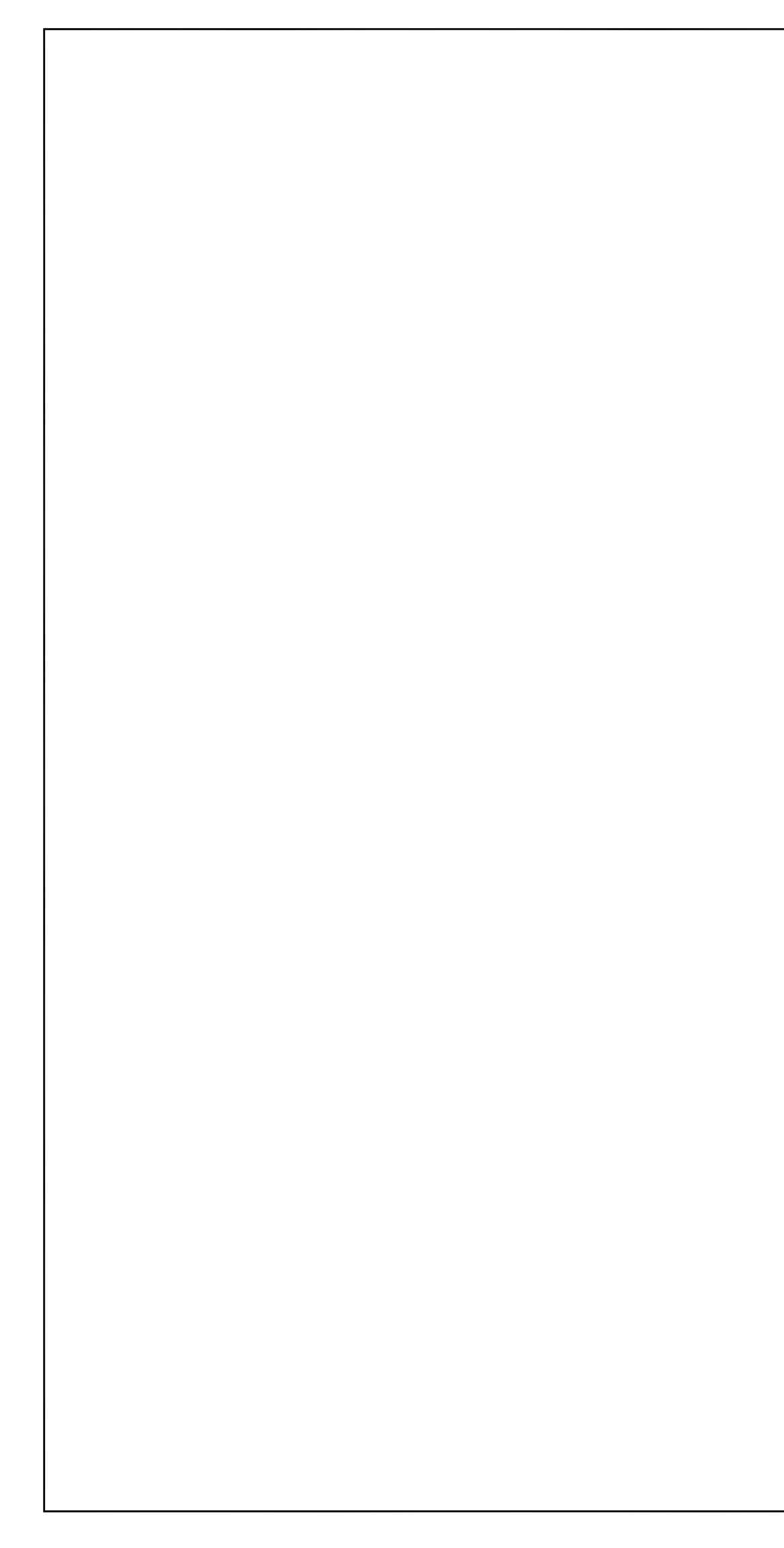




(12) PREVIOUS BRIDGE LATTICE FRAMING (\$3.0)

NOTE: PHOTOS OF FORMER BRIDGE ARE FOR INFORMATION ONLY

R	-	IER BRIDGE INCE PHOTOS	STATE OF CONNECTICUT DEPT. OF ENERGY AND ENVIRONMENTAL PROTECTION		
	RE	VISIONS			
Mark	Date	Description	Macchi 44 Gillett Stre Hartford, Connectic		
			Project: CHATFIELD HOLLOW STATE PARK	Drawn By JMB	
			REPLACEMENT OF COVERED BRIDGE E159 OVER CHATFIELD HOLLOW BROOK	Approved HSM	
			KILLINGWORTH, CT	Drawing No	
			DEEP PROJECT ID: DEPA000013202327	S-3.0	



P.O. I	BOX 397	E WELTI A 7 IRY, CONN		NC.	IEN.		KILLII	NGWORTH, CT	PROJECT NAME PROPOSED CO LOCATION CHATFIEL		DGE REPLA	
		AUGER	CASING	SAMPLE	2	CORE B.		OFFSET	SURFACE ELEV.	HOLE		B-1
ГҮРЕ		HSA		SS				LINE & STA.				
SIZE I.D.		3.75"		1.375"				N. COORDINATE	GROUND WATER OB AT 3.5 FT. AFTER		START DATE 4/	18/23
IAMME	ER WT.			140lbs						HOURS	FINISH AL	
AMME	ER FALL			30"				E. COORDINATE	AT FT. AFTER	HOURS	DATE 4/	18/23
		SAM	PLE					STRATU	JM DESCRIPTION			
DEPTH	NO.	BLOWS/6"	DEI	PTH	A				+ REMARKS			ELEV
0	1	1-2-1-1	0.0'	-2.0'				FINE-CRS.SAND, LITTLE T - FILL	E GRAVEL, FEW COBB	LES, TRAC	E	
							JUL					
	2	1-60	2.0'-	2.9'								
	_											
_ [EY/BR.FINE-CRS.SAND,	SOME GRAVEL & COE	BLES, LITT	LE 4.0	
5	3	16-17-20-23	3 5.0'-	-7.0'			SIL	I				
ľ												
		_										
-							CO	RED BEDROCK - GRANI	TIC GNEISS		8.0	-
				-			RU	N #1 8.0' - 13.0' RECOVE	ERED 58" RQD=87%			
10						-						
						-						
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							BO	TTOM OF BORING @ 13	.0'			-
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SAMPL	LE IYPE	: D=DRY A=	AUGER C=(OKE U=UN	IDIS	TUKBED	PIST	ON S=SPLIT SPOON	1			

NOTE: FOR INFORMATIONAL PURPOSES ONLY REFER TO THE PROJECT MANUAL FOR THE COMPLETE SUBSURFACE GEOTECHNICAL EXPLORATORY INFORMATION

P.O.	BOX 39	E WELTI 97 URY, CONN			ENT		PROJECT NAME PROPOSED COV LOCATION			
		AUGER	CASING	SAMPLER	CORE BAF	LLINGWORTH, CT	CHATFIELI SURFACE ELEV	HOLLOW		<u>RK</u> B-2
YPE		HSA		SS		LINE & STA.				D-2
IZE I.D).	3.75"		1.375"		N. COORDINATE	GROUND WATER OBSI AT 3.5 FT. AFTER		START DATE 4/	18/23
IAMME	ER WT.			140lbs			AT 5.5 FT AFTER	HOURS	FINISH	
IAMME	ER FALL			30"		E. COORDINATE	AI FI AFIER	HOUKS	DATE 4/	18/23
EPTH		SAM	IPLE	A		STRATU	JM DESCRIPTION			ELEV
0	NO.	BLOWS/6		PTH			+ REMARKS		L 0.25	
Ŭ	1	2-2-3-4	0.0'	-2.0'		DARK BR.FINE-MED.SAND, BR.FINE-CRS.SAND, LITTLE				4
						SILT - FILL				
	2	2-1-1-10	2.0'	-4.0'						
	2	45 40 47 0	0 4.01	0.01		GREY/BR.FINE-CRS.SAND,	SOME GRAVEL & COB		4.0	
5 -	3	15-16-17-2	.8 4.0	-6.0'		SILT				
10 -	4	24-60	10.0'	-11.0'						
ľ						CORED BEDROCK - GRANI	TIC GNEISS			4
ľ						RUN #1 11.0' - 16.0' RECOV	ERED 60" RQD=82%			
ſ										
45										
15-									10.0	
						BOTTOM OF BORING @ 16.	0'			4
20-										
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	ND: COI		1	I			DRILLER: K. CHRIS	TIANA		
						ISTON S≠SPLIT SPOON 35% AND=35-50%	SHEET 1 OF 1	HOLE NC		-2

G	EOTEC FORM	SUBSURFACE CHNICAL ATION	STATE OF CONNECTICUT DEPT. OF ENERGY AND ENVIRONMENTAL PROTECTION		
	KE	VISIONS			
Mark	Date	Description	Macchi 44 Gillett Street Hartford, Connecticut	Date 08/30/24	
			Engineers (860) 549–6190	Scale N.T.S.	
			Project: CHATFIELD HOLLOW STATE PARK	Drawn By JMB	
			REPLACEMENT OF COVERED BRIDGE E159 OVER CHATFIELD HOLLOW BROOK	Approved HSM	
			KILLINGWORTH, CT	Drawing No	
			DEEP PROJECT ID: DEPA000013202327	G-1.0	