SLOCOMB POND DAM REMOVAL PROJECT (CT DEEP ID #5425) TOWN OF GLASTONBURY HARTFORD COUNTY, CONNECTICUT

GENERAL NOTES:

1. THE APPROVAL AND USE OF THESE PLANS ARE FOR THE PROJECT APPLICANT AS DEPICTED ON THIS SHEET.
THIS PLAN IS NOT TO BE UTILIZED IN THE PREPARATION OF ANY OTHER PROJECTS.

2. AS FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO PROPOSED TOPOGRAPHIC ELEVATIONS AND FACILITY LOCATIONS, THESE PLANS ARE NOT TO BE UTILIZED AS AS-BUILTS.

3. THESE PLANS ARE NOT TO BE UTILIZED FOR CONSTRUCTION, UNTIL ALL REQUIRED LOCAL, STATE, AND FEDERAL PERMITS ARE OBTAINED.

4. PROPOSED CONSTRUCTION MUST BE SUPERVISED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF CONNECTICUT OR BY A QUALIFIED ENGINEERING TECHNICIAN OR GEOMORPHOLOGIST UNDER RESPONSIBLE CHARGE OF THE PROFESSIONAL ENGINEER, AS PROVIDED FOR IN THE TECHNICAL SPECIFICATIONS.

CONSTRUCTION NOTES:

1. ALL MATERIALS SHALL CONFORM TO THE LATEST AMERICAN STANDARDS FOR TESTING AND MATERIALS SPECIFICATIONS (ASTM).

2. UTILITIES SHALL BE LOCATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

3. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS. ANY DAMAGE TO EXISTING SERVICES OR MAINS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S OWN EXPENSE.

4. EXCAVATIONS AND STOCKPILES IN NO WAY SHALL HAVE SLOPES STEEPER THAN 2:1.

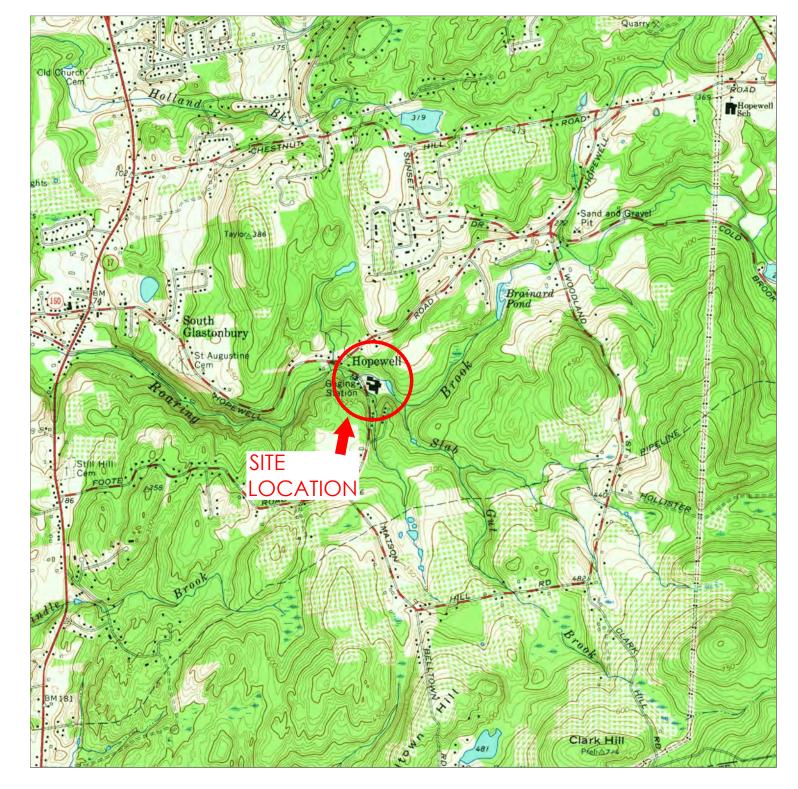
5. THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF A DISCREPANCY BETWEEN THE SCALED AND THE FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL APPLY.

6. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK THAT WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THAT WORK.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ROADS, CURBS, FENCES, SIGNS, STRUCTURES, VEGETATION, IRRIGATION, LANDSCAPING COMPONENTS, AND ANY OTHER PROPERTY ITEMS THAT ARE REMOVED OR DAMAGED FOR THE PURPOSES OF THE PROJECT LOGISTICS AND ACCIDENTS.

CONSTRUCTION SAFETY AND SECURITY:

1. ALL CONSTRUCTION SHALL ADHERE TO OSHA STANDARDS AND REGULATIONS.



A PROJECT VICINITY
SCALE: 1" = 2000'



B ORTHOPHOTOGRAPHY
SCALE: 1" = 2000'

PROJECT APPLICANT
TOWN OF GLASTONBURY
ATTN: DANIEL A PENNINGTON, P.E.
2155 MAIN STREET
GLASTONBURY, CT 06033

PROJECT ENGINEER
PRINCETON HYDRO
931 MAIN STREET, SUITE 2
SOUTH GLASTONBURY, CT 06073

SHEET LIST TABLE				
SHEET NUMBER SHEET TITLE				
1	TITLE SHEET			
2	OVERVIEW			
3	EXISTING CONDITIONS			
4	PROPOSED CONDITIONS			
5	CONSTRUCTION SEQUENCE AND EROSION & SEDIMENT CONTROL			
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CALL BEFORE YOU DIG!

CONNECTICUT LAW REQUIRES

2 FULL WORKING DAYS NOTICE

PRIOR TO CONSTRUCTION - STOP CALL

CALL BEFORE YOU DIG, INC.

REFERENCE CONNECTICUT SECTION 1: SECTION 16-345-1 THROUGH 16-345-7

PROJECT NOTES

HORIZONTAL DATUM IS CONNECTICUT STATE PLANE NAD83, FEET. VERTICAL DATUM BASED ON NAVD88,

2. SURVEY OBTAINED FROM "IMPROVEMENT LOCATION PLAN DEPICTING LAND OF TOWN OF GLASTONBURY "SLOCOMB OPEN SPACE PARK"" DATED AUGUST 2019 PROVIDED BY TOWN OF GLASTONBURY.

3. WETLAND DELINEATION COMPLETED BY MARTIN BROGIE, INC. ON AUGUST 20, 2019.

4. ALL DRAWING SCALES ACCURATE WHEN PRINTED ON 24" BY 36" PAPER.

DATE DESCRIPTION
REVISIONS

STATE OF CONNECTICUT CERTIFICATE OF REGISTRATION NO.: 0001188

Professional Engineer

CTALIC NO 18596

No. 18596

APRIL 2, 2020



SCIENCE ENGINEERING DESIGN 1108 OLD YORK RD, SUITE 1 RINGOES, NEW JERSEY 08551 PHONE: 908.237.5660

PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:

SLOCOMB POND DAM REMOVAL (CT DEEP ID #5425) TOWN OF GLASTONBURY HARTFORD COUNTY, CONNECTICUT

DRAWING NAME:

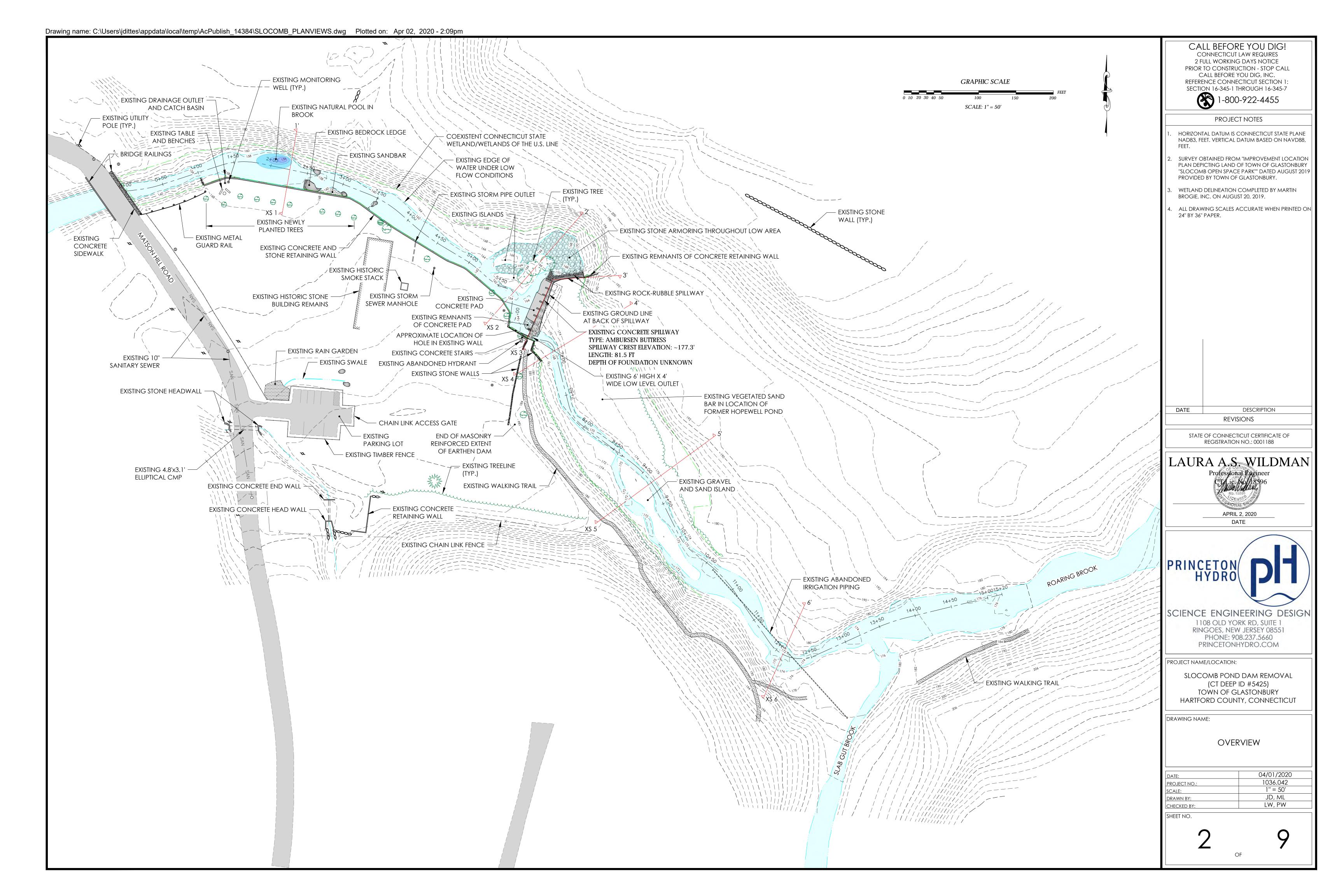
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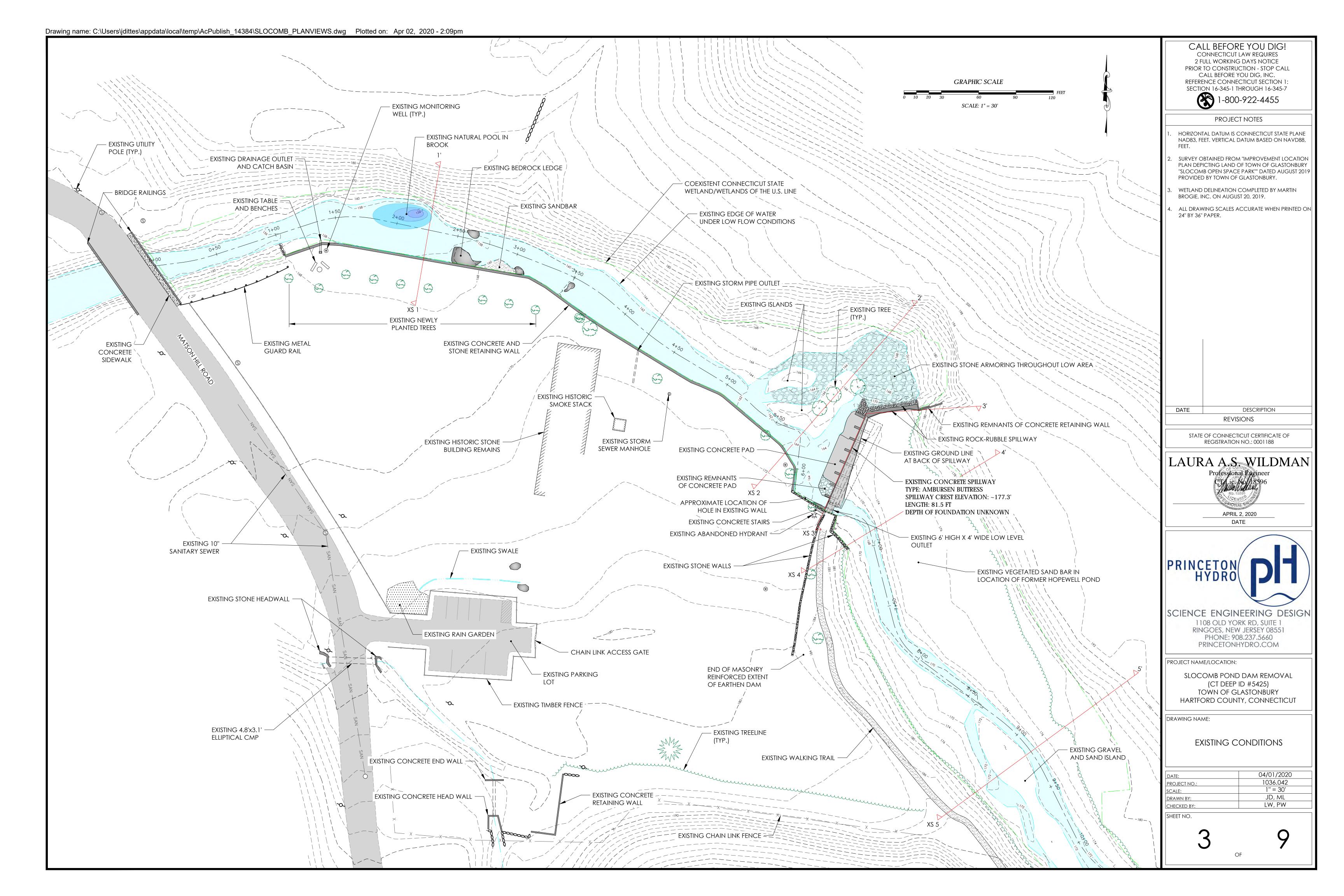
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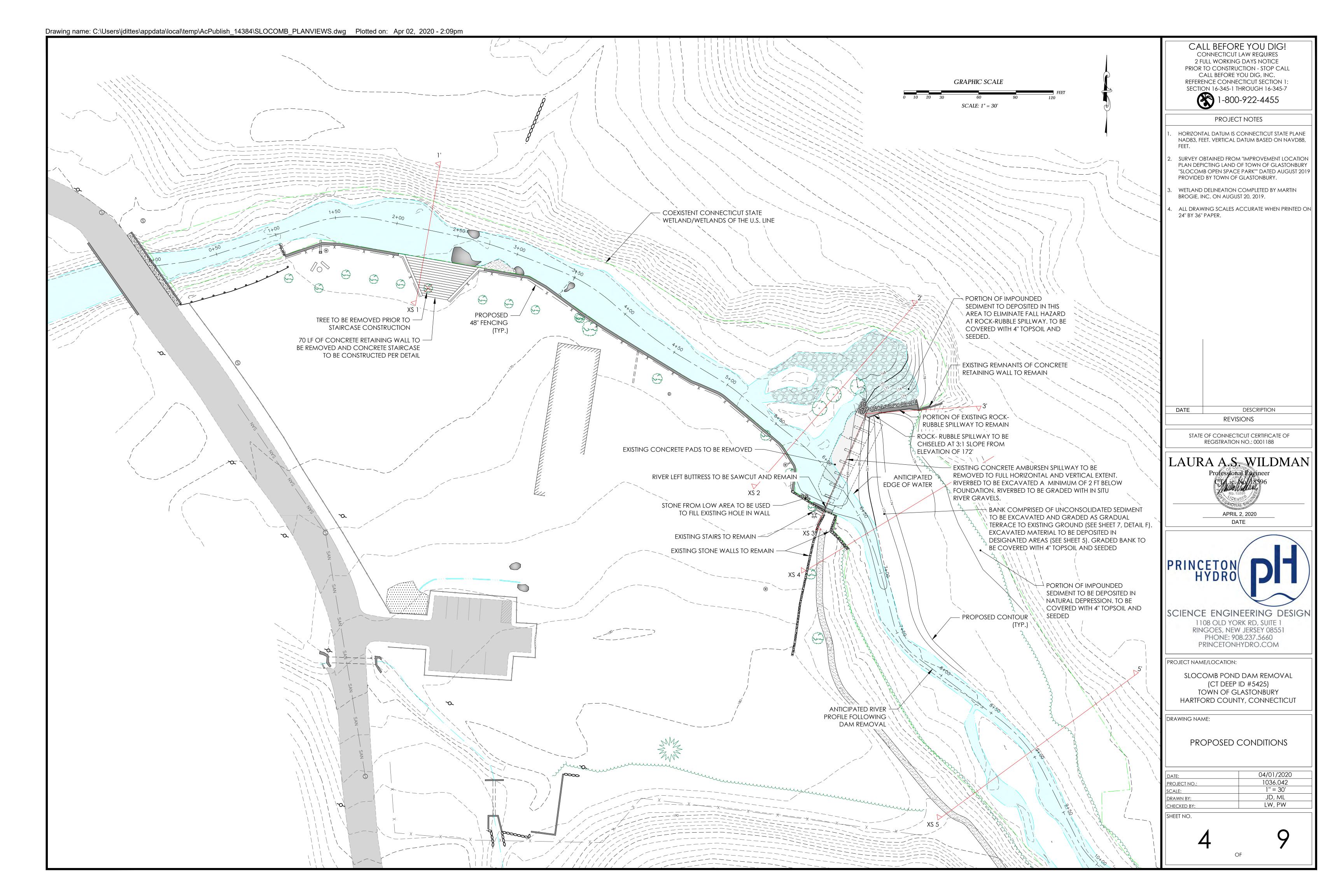
1036.042
AS SHOWN
JD, ML
LW, PW

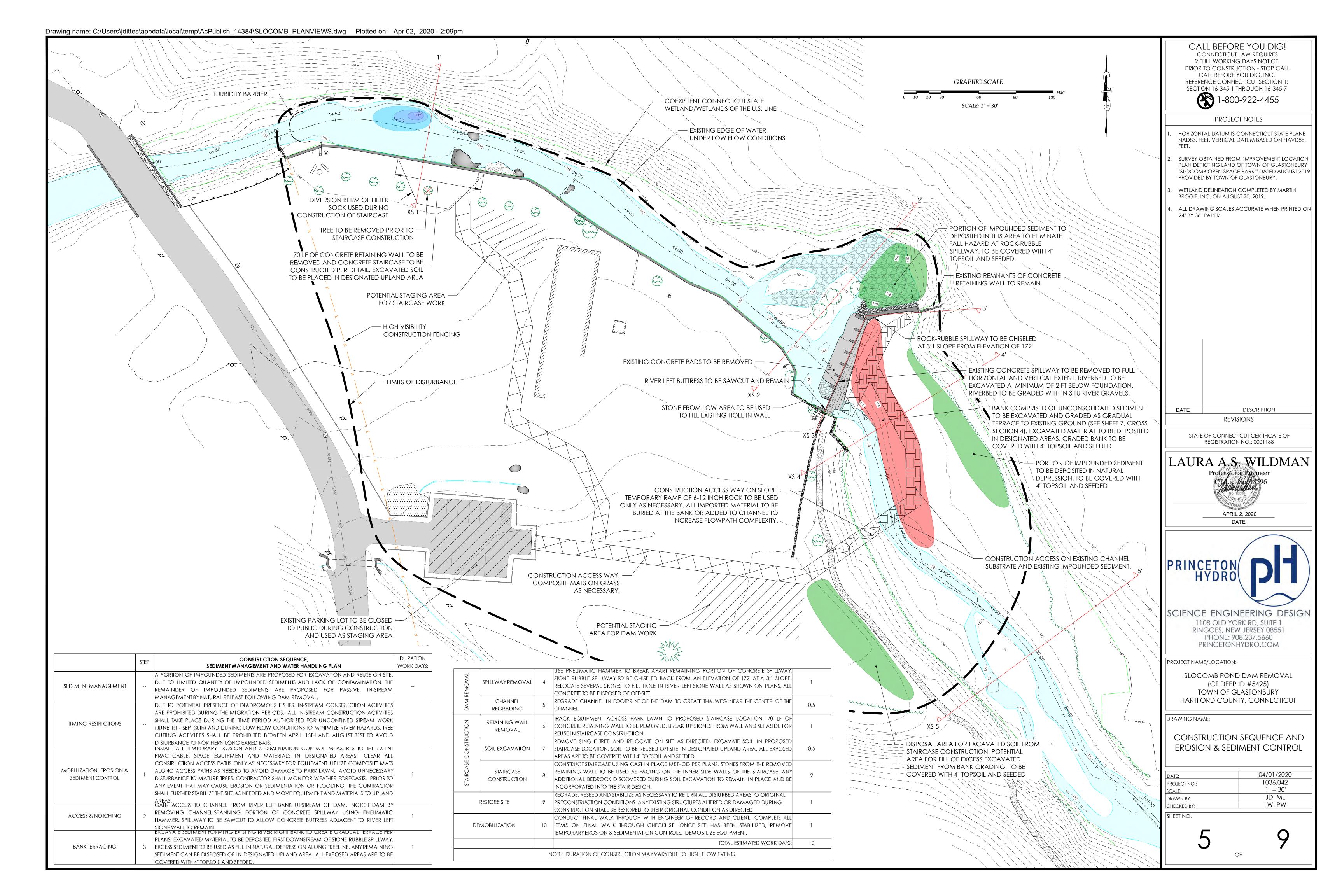
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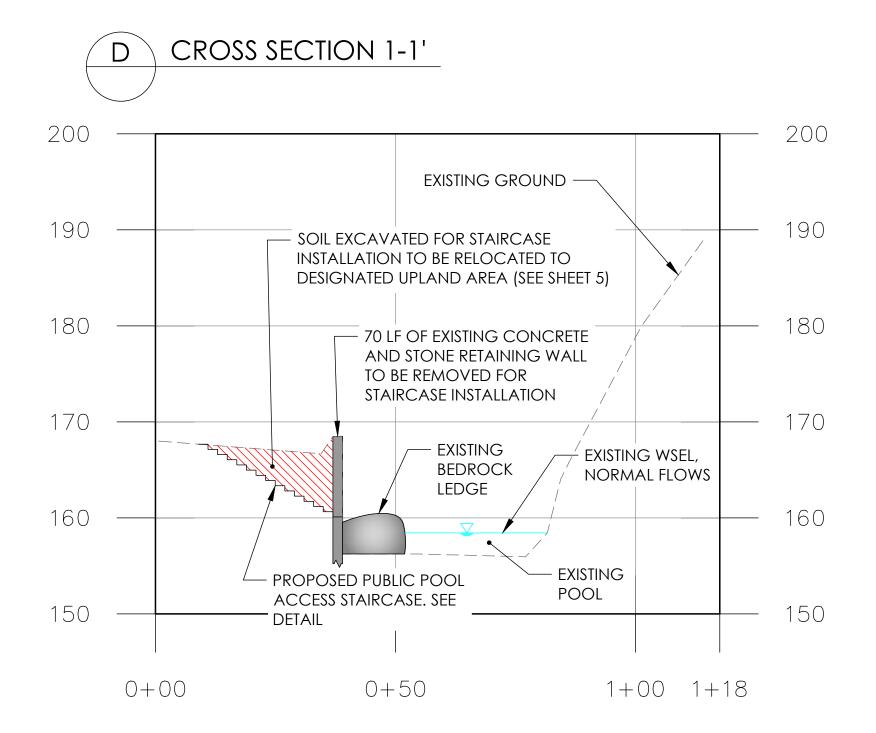
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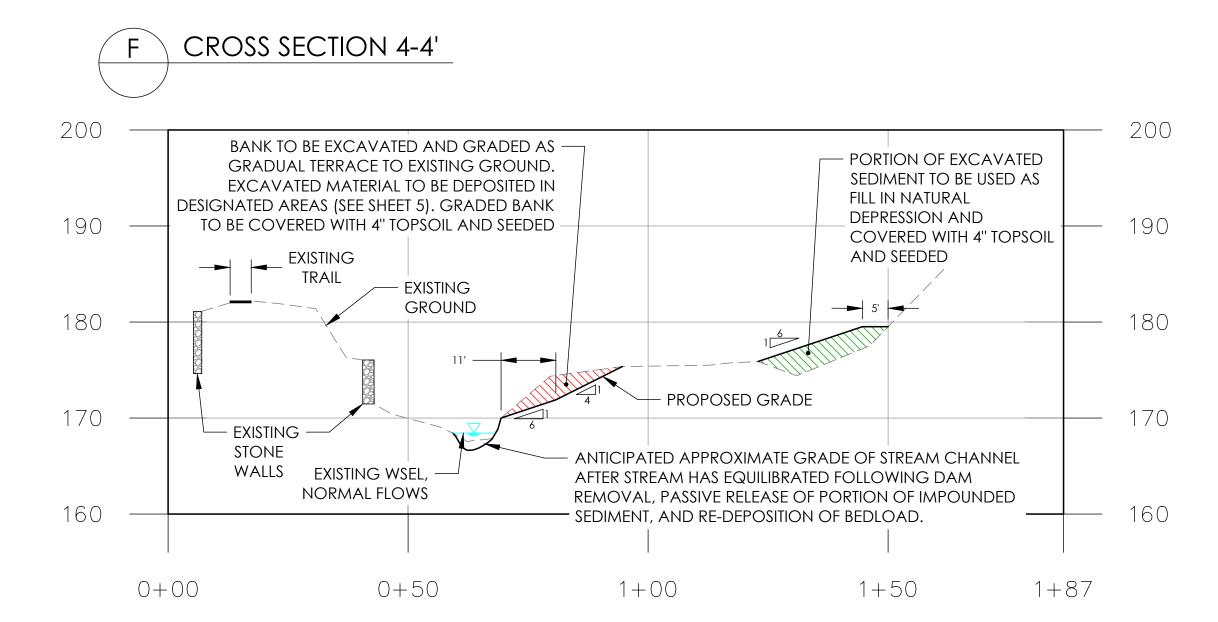


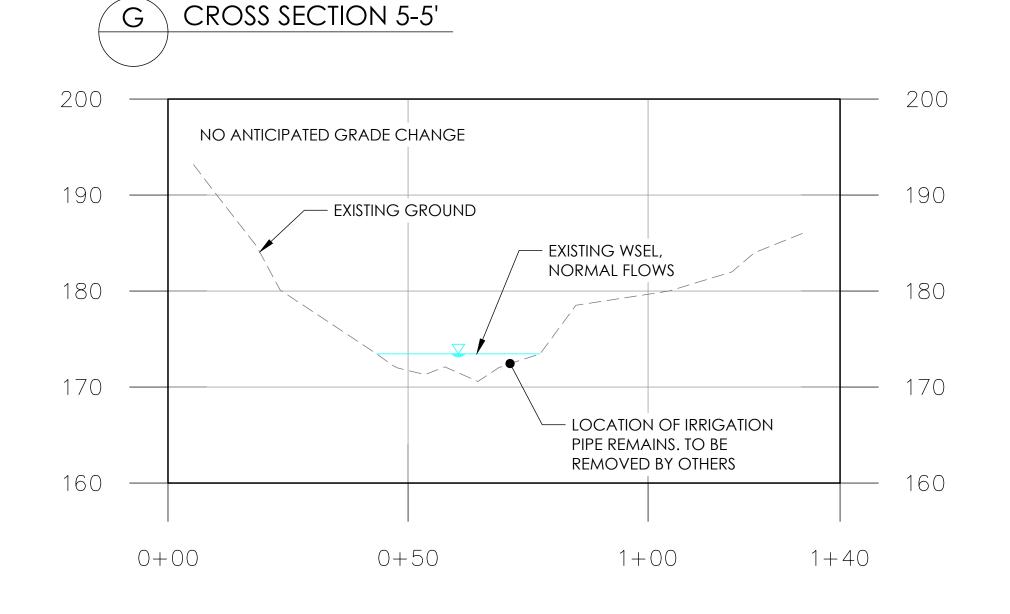


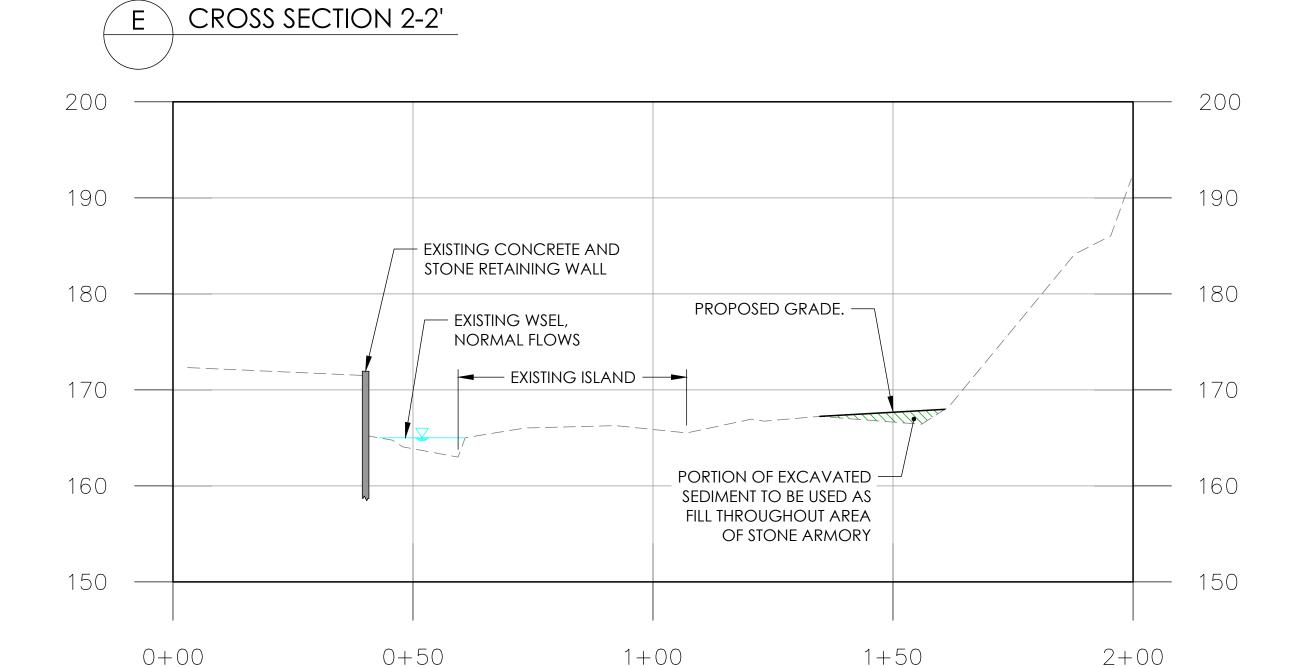


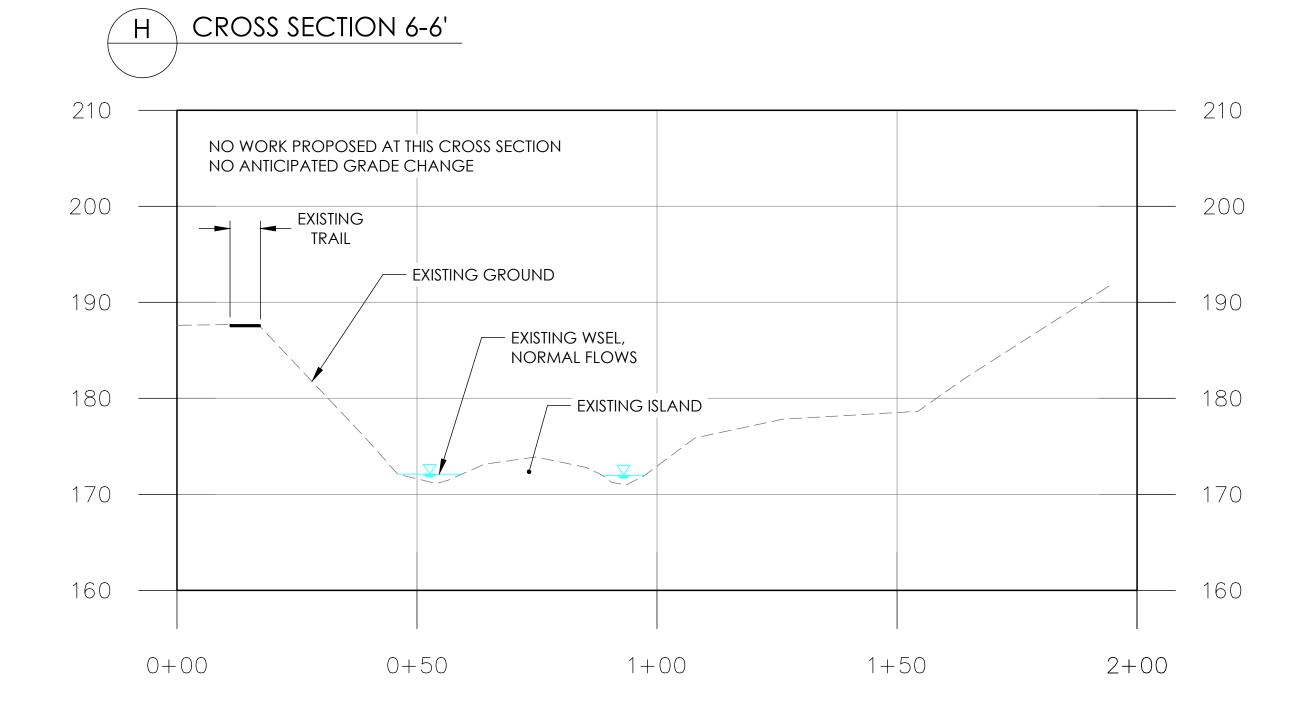


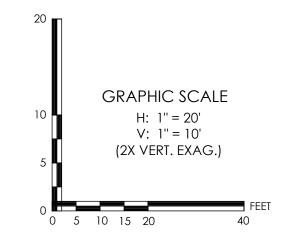












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PROJECT NOTES

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REVISIONS

STATE OF CONNECTICUT CERTIFICATE OF

REGISTRATION NO.: 0001188

LAURA A.S. WILDMAN





SCIENCE ENGINEERING DESIGN 1108 OLD YORK RD, SUITE 1 RINGOES, NEW JERSEY 08551

PHONE: 908.237.5660

PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:

SLOCOMB POND DAM REMOVAL (CT DEEP ID #5425) TOWN OF GLASTONBURY HARTFORD COUNTY, CONNECTICUT

DRAWING NAME:

CROSS SECTIONS

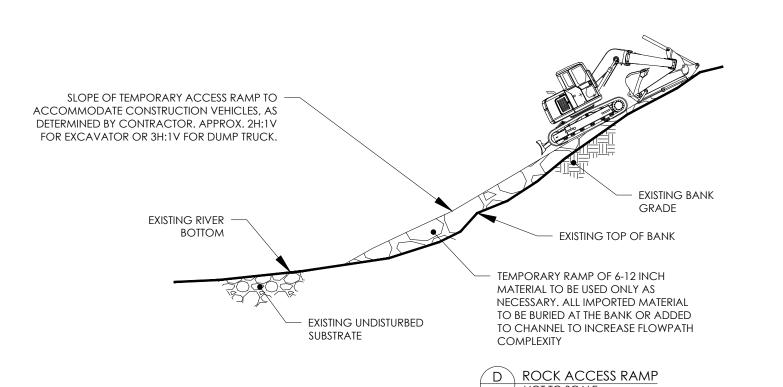
DATE:	04/01/2020
PROJECT NO.:	1036.042
SCALE:	AS SHOWN
DRAWN BY:	JD, ML
CHECKED BY:	LW, PW

SHEET NO.

OF



SCAN WITH COMPUTER OR SMARTPHONE



DRIVE FLANGE ALL

THE WAY TO TURF LINE

1. FENCE SHALL BE CONSTRUCTED OF UV STABILIZED HIGH VISIBILITY ORANGE

2. THE FENCE SHALL BE A MINIMUM OF 4 FEET HIGH AND STAKED AT 8 FOOT ON

4. STAKES SHOULD BE DRIVE 6 TO 12 INCHES BELOW GRADE.

STAKING DETAIL

3. THE FENCE SHALL BE ATTACHED TO EACH STAKE WITH A MINIMUM OF THREE (3)

— 1" X 1" WOOD STAKE

PLACED 4 FT ON CENTER

SLOPE SURFACE

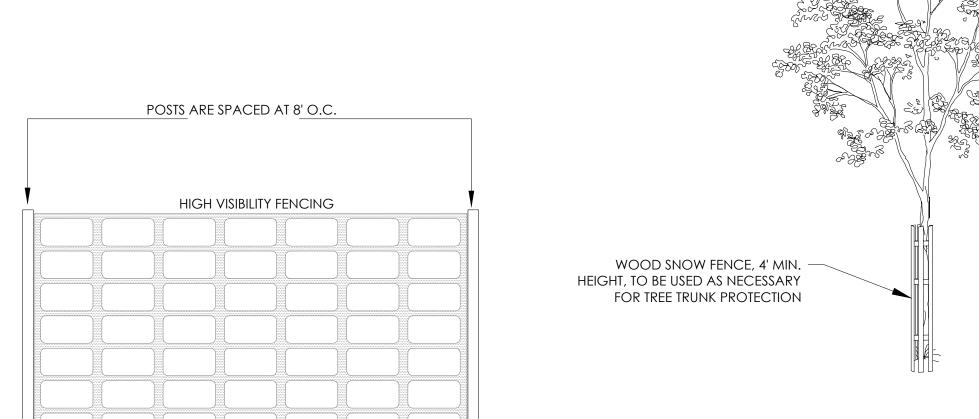
STRAW WATTLE DETAIL

POLYETHYLENE SAFETY FENCE.

ZIP TIES OR APPROVED EQUAL.

MINIMUM 12" DIAMETER

STRAW WATTLE



HIGH VISIBILITY FENCE

NOT TO SCALE

OUTER WOOD STAKES TO ONLY -

— 1" X 1" WOOD STAKE

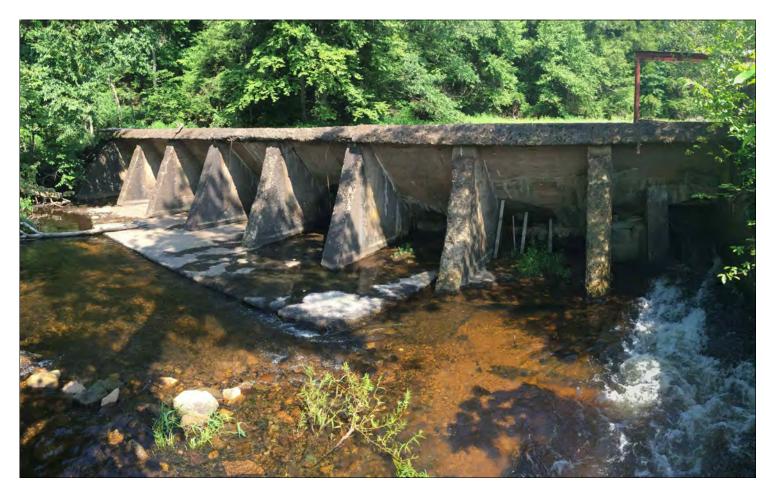
PLACED 4 FT ON CENTER

PLAN VIEW

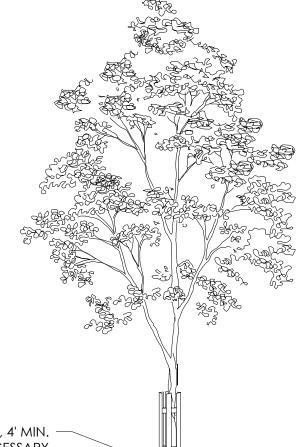
─ MINIMUM 6" OVERLAP

PENETRATE NETTING, NOT

STRAW WATTLE MATERIAL



B ORTHOGONAL VIEW OF AMBURSEN SPILLWAY PHOTOGRAPH



1. TO PREVENT GENERAL MECHANICAL DAMAGE TO TREES INSTALL TREE TRUNK PROTECTION AS INDICATED IN DETAIL.

2. BOX TREES WITHIN 25 FEET OF BUILDINGS SITE TO PREVENT MECHANICAL INJURY. FENCING OR OTHER BARRIER SHOULD BE INSTALLED AT THE DRIP LINE OF THE TREE BRANCHES OR BEYOND. TREE ROOT SYSTEMS COMMONLY EXTEND WELL BEYOND THE DRIP LINE.

3. BOARDS WILL NOT BE NAILED TO TREES DURING CONSTRUCTION.

4. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA INSIDE THE DRIP LINE OF THE TREE BRANCHES

5. DAMAGED TRUNKS OR EXPOSED ROOTS SHOULD HAVE DAMAGED BARK REMOVED IMMEDIATELY AND NO PAINT SHALL BE APPLIED. EXPOSED ROOTS SHOULD BE COVERED WITH TOPSOIL IMMEDIATELY AFTER EXCAVATION IS COMPLETE. ROOTS SHALL BE PRUNED TO GIVE A CLEAN, SHARP SURFACE AMENABLE TO HEALING. ROOTS EXPOSED DURING HOT WEATHER SHOULD BE IRRIGATED TO PREVENT PERMANENT TREE INJURY. CARE FOR SERIOUS INJURY SHOULD BE PRESCRIBED BY A PROFESSIONAL FORESTER OR CERTIFIED TREE EXPERT.

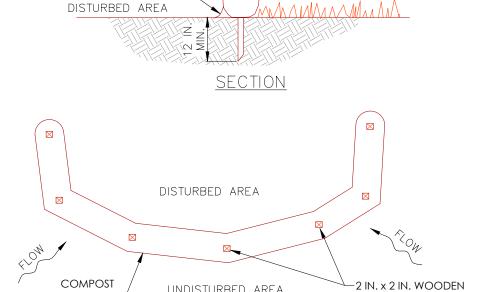


COMPOST FILTER SOCK—

FILTER SOCK—

BLOWN/PLACED

FILTER MEDIA -



─2 IN. x 2 IN. WOODEN STAKES

PLACED 10 FT ON

CENTER

PLACED 10 FT ON CENTER

UNDISTURBED AREA

NOTES:

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

PLAN VIEW

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

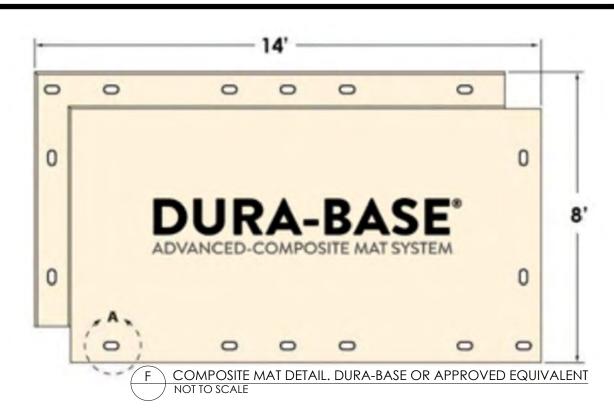
UNDISTURBED AREA

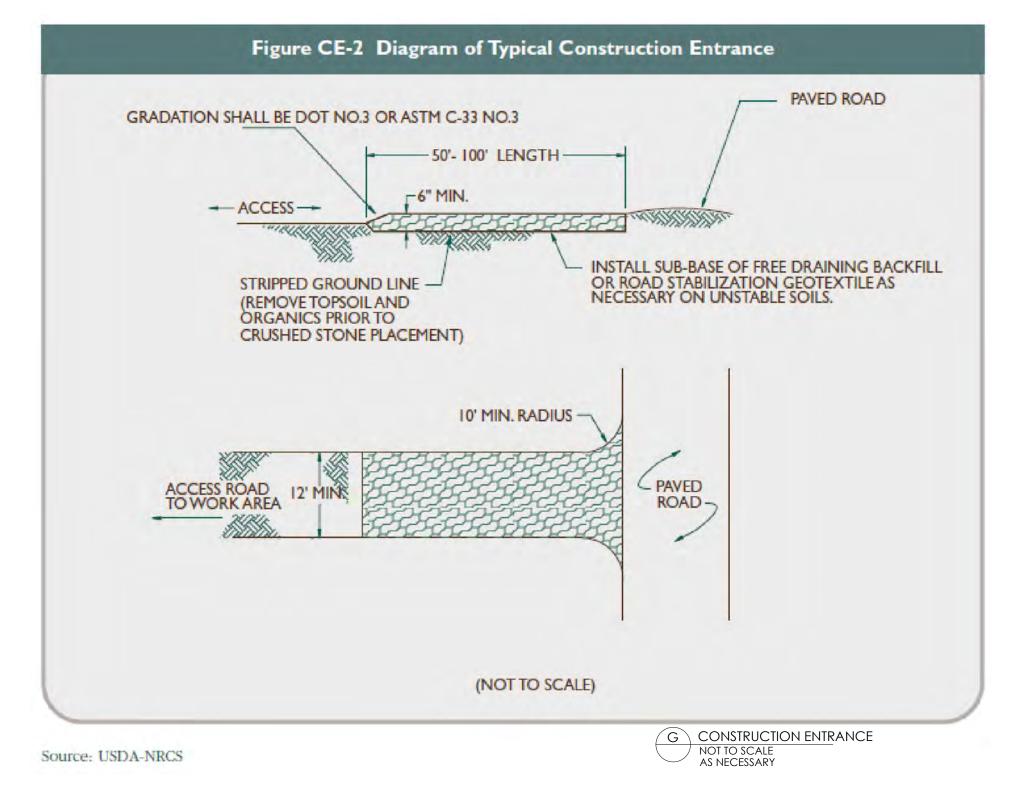
COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

J COMPOST FILTER SOCK NOT TO SCALE







Date: December 03, 2019

Ernst Conservation Seeds 8884 Mercer Pike Meadville, PA 16335

(800) 873-3321 Fax (814) 336-5191

www.ernstseed.com

Floodplain Mix - ERNMX-154

	Botanical Name	Common Name	Price/Ib
23.00 %	Carex vulpinoidea, PA Ecotype	Fox Sedge, PA Ecotype	26.40
21.50 %	Panicum dandestinum, Tioga	Deertongue, Tioga	18.91
20.00 %	Elymus virginicus, PA Ecotype	Virginia Wildrye, PA Ecotype	6.32
10.00 %	Andropogon gerardii, 'Niagara'	Big Bluestem, 'Niagara'	11.96
8.20 %	Carex lupulina, PA Ecotype	Hop Sedge, PA Ecotype	79.20
4.30 %	Carex scoparia, PA Ecotype	Blunt Broom Sedge, PA Ecotype	79.20
3.00 %	Juncus effusus	Soft Rush	44.00
3.00 %	Verbena hastata, PA Ecotype	Blue Vervain, PA Ecotype	35.20
2.00 %	Heliopsis heliantholdes, PA Ecotype	Oxeye Sunflower, PA Ecotype	39.60
1.00 %	Asclepias incarnata, PA Ecotype	Swamp Milkweed, PA Ecotype	176.00
1.00 %	Cinna arundinacea, PA Ecotype	Wood Reedgrass, PA Ecotype	132.00
0.60 %	Eupatorium perfoliatum, PA Ecotype	Boneset, PA Ecotype	330.00
0.40 %	Aster lateriflorus	Calico Aster	396.00
0.40 %	Aster umbellatus, PA Ecotype	Flat Topped White Aster, PA Ecotype	396.00
0.30 %	Alisma subcordatum, PA Ecotype	Mud Plantain, PA Ecotype	176.00
0.30 %	Helenium autumnale, PA Ecotype	Common Sneezeweed, PA Ecotype	198.00
0.30 %	Monarda fistulosa, Fort Indiantown Gap-PA Ecotype	Wild Bergamot, Fort Indiantown Gap-PA Ecotype	132.00
0.30 %	Scirpus cyperinus, PA Ecotype	Woolgrass, PA Ecotype	198.00
0.20 %	Penthorum sedvides, PA Ecotype	Ditch Stonecrop, PA Ecotype	264.00
0.10 %	Carex stricta, PA Ecotype	Tussock Sedge, PA Ecotype	528.00
0.10 %	Lobelia siphilitica, PA Ecotype	Great Blue Lobelia, PA Ecotype	440.00

Mix Price/lb Bulk: \$37.50

Seeding Rate: 20 lb per acre with a cover crop of grain rye at

30 lb per acre

100.00 %

The diverse annual and perennial grasses and forbs are attractive to humans and animals. Designed for economical wildlife food and habitat in newly established wetlands where wildlife food value is needed. The wildryes establish guickly and tolerate low fertility in wet or dry soils. Seed from October-May in full sun or partial shade. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the mix will not.

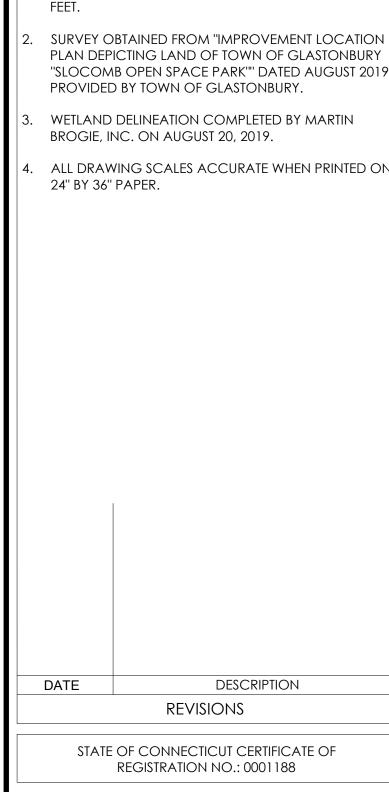
H SUGGESTED NATIVE SEED MIX

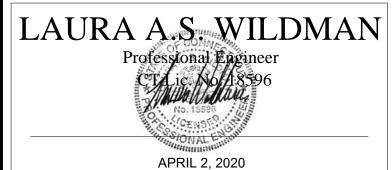
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PROJECT NOTES

HORIZONTAL DATUM IS CONNECTICUT STATE PLANE NAD83, FEET. VERTICAL DATUM BASED ON NAVD88,





DATE



SCIENCE ENGINEERING DESIGN 1108 OLD YORK RD, SUITE RINGOES, NEW JERSEY 08551

> PHONE: 908.237.5660 PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:

SLOCOMB POND DAM REMOVAL (CT DEEP ID #5425) TOWN OF GLASTONBURY HARTFORD COUNTY, CONNECTICUT

DRAWING NAME:

EROSION & SEDIMENT CONTROL DETAILS

DATE:	04/01/2020
PROJECT NO.:	1036.042
SCALE:	AS SHOWN
DRAWN BY:	JD, ML
CHECKED BY:	LW, PW
SHEET NO.	

OF

BEST MANAGEMENT PRACTICES FOR PROTECTION OF THE ENVIRONMENT

- 1. NO CONSTRUCTION SHALL PROCEED UNTIL PROPER SEDIMENTATION AND EROSION CONTROL METHODS HAVE BEEN INSTALLED AS THE SEQUENCE OF CONSTRUCTION NECESSITATES.
- 2. EQUIPMENT, MATERIALS, AND MACHINERY SHALL BE STORED, CLEANED, REFUELED, MAINTAINED, AND REPAIRED IN UPLAND AREAS ONLY.
- 3. NO CONSTRUCTION SHALL PROCEED UNTIL A METHOD TO PREVENT CONSTRUCTION DEBRIS OR OTHER MATERIALS FROM ENTERING THE WETLAND OR WATERCOURSE HAS BEEN IMPLEMENTED AS THE SEQUENCE OF CONSTRUCTION NECESSITATES. THESE MATERIALS SHALL BE COLLECTED AND DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AS DETERMINED BY FEDERAL. STATE, AND LOCAL LAWS AT NO ADDITIONAL COST TO THE OWNER. THE APPLICANT SHALL MONITOR WIND VELOCITIES AND STORM EVENTS DURING THE CONDUCT OF SUCH WORK, AND SHALL CAUSE SUCH ACTIVITY TO CEASE IF STORM OR WIND CONDITIONS THREATEN TO CAUSE DEPOSITS OF MATERIALS IN THE WATERWAY.
- 4. NO OBJECTIONABLE MATERIALS RESULTING FROM ANY CLEARING ACTIVITY SHALL BE DISPOSED OF IN ANY WETLAND OR WATERCOURSE. THIS INCLUDES BUT IS NOT LIMITED TO: STUMPS, TREE ROOTS, MATTED ROOTS, WOOD CHIPS, AND OTHER DEBRIS, UNLESS SPECIFIED ON THE
- 5. NO FILL OR MATERIAL SHALL BE DEPOSITED IN SURROUNDING WETLANDS OR WATERCOURSES, UNLESS SPECIFIED ON THE CONTRACT DRAWINGS.
- 6. A WATER HANDLING PLAN INCLUDING A CONTINGENCY PLAN FOR FLOOD EVENTS SHALL BE IMPLEMENTED AS SEQUENCE OF CONSTRUCTION NECESSITATES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION IN THE WATERWAY.
- 7. WORK WITHIN AND ADJACENT TO WATERCOURSES SHALL BE CONDUCTED DURING PERIODS OF LOW FLOW, WHENEVER POSSIBLE. THE APPLICANT SHALL REMAIN AWARE OF FLOW CONDITIONS DURING THE CONDUCT OF SUCH WORK, AND SHALL CAUSE SUCH ACTIVITY TO CEASE SHOULD FLOW CONDITIONS THREATEN TO CAUSE EXCESSIVE EROSION, SILTATION OR TURBIDITY. DURING STORMS EVERY EFFORT SHALL BE TAKEN TO SECURE THE WORK SITE.
- 8. ALL TEMPORARY FILL, SUCH AS THAT USED FOR PERMITTED ACCESS ROADS AND/OR COFFERDAMS, SHALL BE PROPERLY STABILIZED DURING USE TO PREVENT EROSION, AND, WHEN NO LONGER NEEDED, MUST BE DISPOSED OF AT AN UPLAND SITE, AND SUITABLY CONTAINED TO PREVENT TURBID RUNOFF FROM REENTERING A WETLAND OR WATERCOURSE. ALL AREAS AFFECTED BY TEMPORARY FILLS MUST BE RESTORED TO THEIR ORIGINAL CONTOURS, AND REVEGETATED WITH SUITABLE VEGETATION. THE AREA EXTENT OF TEMPORARY FILL OR EXCAVATION SHALL BE MINIMIZED TO THAT AREA NECESSARY TO PERFORM THE REQUIRED WORK.
- 9. DUMPING OF OIL OR OTHER DELETERIOUS MATERIALS ON THE GROUND IS FORBIDDEN. THE APPLICANT SHALL PROVIDE A MEANS OF CATCHING, RETAINING, AND PROPERLY DISPOSING OF DRAINED OIL, REMOVED OIL FILTERS, OR OTHER DELETERIOUS MATERIAL. ALL OIL SPILLS SHALL BE REPORTED IMMEDIATELY TO THE DEP/HAZARDOUS MATERIALS OFFICE AT (860) 424-3338 OR (860) 424-3023. FAILURE TO DO SO MAY RESULT IN THE IMPOSITION OF A FINE UNDER SECTION 22A-450 OF THE CONNECTICUT GENERAL STATUTES. SPILL KITS INCLUSIVE OF EXTRA ABSORBENT BOOMS MUST BE PROVIDED ON SITE.
- 10. EVERY PRECAUTION SHALL BE USED WHILE WORKING IN THE VICINITY OF A WATERWAY TO PREVENT AND MINIMIZE DEGRADATIONS OF THE EXISTING WATER QUALITY. ALL ACTIVITIES SHALL CONFORM AND BE AT ALL TIMES CONSISTENT WITH APPLICABLE WATER QUALITY STANDARDS, AND MANAGEMENT PRACTICES OF THE FEDERAL CLEAN WATER ACT (1972), CONNECTICUT'S WATER QUALITY STANDARDS AND OTHER APPLICABLE STATE LAWS.
- 11. ALL EQUIPMENT BEING USED IN OR AROUND THE WATER SHALL BE FREE OF LEAKS INCLUDING BUT NOT LIMITED TO OIL, HYDRAULIC FLUIDS, RADIATOR FLUIDS, GREASE, AND FUEL. ALL EQUIPMENT TO BE USED IN THE WATER SHALL BE APPROVED BY THE ENGINEER. THE ENGINEER HAS THE AUTHORITY TO ORDER THE CONTRACTOR TO REMOVE ANY EQUIPMENT FROM THE WATER THAT THE ENGINEER FEELS IS DETRIMENTAL TO THE ENVIRONMENT.
- 12. SHOULD ANY EQUIPMENT BREAKDOWN IN THE WATER, THE CONTRACTOR SHALL HAVE A PLAN TO IMMEDIATELY REMOVE THE EQUIPMENT.

EMERGENCY OPERATION / FLOOD CONTINGENCY PLAN DURING CONSTRUCTION

- 1. THIS EMERGENCY OPERATION PLAN IS DESIGNED TO PROVIDE THE CONTRACTOR GUIDELINES DURING A FLOOD OR A THREATENING FLOOD PERIOD IN ORDER TO PROTECT THE SURROUNDING COMMUNITY.
- 2. THE CONTRACTOR SHALL MONITOR THE WEATHER FORECASTS AND PLAN CONSTRUCTION ACCORDINGLY.
- 3. IF THE WEATHER FORECASTS SHOULD INDICATE THE POSSIBILITY OF A MAJOR STORM SYSTEM WITHIN 24 TO 48 HOURS, THE CONTRACTOR SHOULD PLAN FOR THE POSSIBILITY OF HIGH WATER LEVELS AT THE SITE. ALSO, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND
- 4. IF A SIGNIFICANT RAINFALL OCCURS, THE CONTRACTOR SHOULD CONTACT THE CLIENT, MAINTAIN SURVEILLANCE OF THE SITE.
- 5. IF THE WATER LEVELS ON SITE RISE TO POTENTIALLY UNSAFE LEVELS, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, CONSTRUCTION MATERIALS (I.E. FUELS, SOLVENTS, HYDRAULIC FLUIDS, EXPLOSIVES, ETC.) AND STOCKPILES FROM THE FLOODPLAIN AND ALERT THE APPROPRIATE PROJECT PERSONNEL AND LOCAL AUTHORITIES OF A POTENTIAL EMERGENCY
- 6. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT EQUIPMENT AND MANPOWER AT THE SITES IN ORDER TO REACT TO A FLOODING
- 7. COMPENSATION: IN CASE OF EMERGENCY, AS DETERMINED BY THE ENGINEER OR OWNER, THE CONTRACTOR SHALL BE COMPENSATED FOR THE EXTRA WORK BY MEANS OF A CHANGE ORDER PER CONTRACT CONDITIONS
- 8. ALL STEPS MUST BE FOLLOWED TO QUALIFY THE CONTRACTOR FOR COMPENSATION AND THE FLOOD EVENT MUST BE IN EXCESS OF WHAT IS TYPICALLY ANTICIPATED DURING THE CONSTRUCTION PERIOD BASED ON A REVIEW OF HISTORIC FLOW GAGE DATA.

DEMOLITION

- 1. CONTRACTOR WILL HAVE PREVIOUSLY INSTALLED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, REMOVED SEDIMENT AND ANY MATERIAL FROM BOTH SIDES OF THE DAM STRUCTURE, INSTALLED ACCESS ROAD, AND DE-WATERED CONSTRUCTION AREA AS NECESSARY..
- 2. CONTRACTOR SHALL EXCAVATE, REMOVE, AND DISPOSE OF EXISTING DAM STRUCTURES INCLUDING BUT NOT LIMITED TO CONCRETE STRUCTURES, REINFORCEMENT, GROUTED RIPRAP, RETAINING WALLS AND ANY REMAINS OF A HISTORIC DAM THAT MAY EXIST IMMEDIATELY UPSTREAM OR BENEATH THE EXISTING DAM.
- 3. THE TOTAL VERTICAL SECTION OF THE DAM SHALL BE REMOVED USING CONVENTIONAL DEMOLITION TOOLS. SAWCUTTING TOOLS SHALL BE USED AS
- 4. ALL NON-CONCRETE STRUCTURE ASSOCIATED WITH THE DAM AND THE DAM FRAGMENTS SHALL BE REMOVED AND DISPOSED OF OFF
- 5. MEASUREMENT AND PAYMENT FOR DEMOLITION WILL BE AT A CONTRACT LUMP SUM AND SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL DEBRIS INCLUDING CONCRETE STRUCTURES, REINFORCING, AND STONE MASONRY
- 6. IN THE EVENT OF DAMAGE TO THE EXISTING ADJACENT RETAINING WALLS TO REMAIN DURING DAM REMOVAL; THE DAMAGED SURFACES WILL BE PROPERLY SCARIFIED FOR CONCRETE PLACEMENT; PRIOR TO CONCRETE PLACEMENT A BONDING AGENT WILL BE USED TO ENSURE PROPER BONDING OF THE TWO SURFACES. CONCRETE REPAIRS TO EXISTING/REMAINING STRUCTURE (CRACKS) WILL BE PREPARED BY SCORING THE EXISTING CRACK WITH A V NOTCH GRINDER DISC (1/2" WIDTH): FILLED WITH EPOXY AND FINALLY PARGED (MORTAR)

SILT FENCE NOTES (REFER TO SHEET 8 DETAIL F): AS REFERENCED FROM "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" SECTION

TRENCH EXCAVATION:

EXCAVATE A TRENCH A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE ON THE UP SLOPE SIDE OF THE FENCE LOCATION. FOR SLOPE AND SWALE INSTALLATIONS, EXTEND THE ENDS OF THE TRENCH SUFFICIENTLY UP SLOPE SUCH THAT BOTTOM END OF THE FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF THE FENCE, WHEN THE FENCE IS NOT TO BE INSTALLED ON THE CONTOUR, EXCAVATE WING TRENCHES SPACED AT THE INTERVALS GIVEN IN FIGURE

WHEN TRENCH EXCAVATION IS OBSTRUCTED BY AN OCCASIONAL STONE OR TREE ROOT, PROVIDE A SMOOTH TRANSITION BETWEEN THE TRENCH BOTTOM AND THE OBSTRUCTION.

DRIVE SUPPORT POSTS ON THE DOWN SLOPE SIDE OF THE TRENCH TO A DEPTH OF AT LEAST 12 INCHES INTO ORIGINAL GROUND. NEVER INSTALL SUPPORT POSTS MORE THAN 10 FEET APART. INSTALL SUPPORT POSTS CLOSER THAN 10 FEET APART WHEN CONCENTRATED FLOWS ARE ANTICIPATED OR WHEN STEEP CONTRIBUTING SLOPES AND SOIL CONDITIONS ARE EXPECTED TO GENERATE LARGER VOLUMES OF SEDIMENT. FOR CATCH BASINS IN HOLLOWS, DRIVE POSTS AT EACH CORNER OF THE CATCH BASIN. WHENEVER THE GEOTEXTILE FILTER FABRIC THAT IS USED EXCEEDS THE MINIMUM MATERIAL SPECIFICATIONS CONTAINED IN THIS MEASURE, THE SPACING OF THE STAKES SHALL BE PER MANUFACTURER'S

GEOTEXTILE FILTER FABRIC STAPLE OR SECURE THE GEOTEXTILE TO THE SUPPORT POSTS PER MANUFACTURER'S INSTRUCTION SUCH THAT AT LEAST 6 INCHES OF GEOTEXTILE LIES WITHIN THE TRENCH, THE HEIGHT OF THE FENCE DOES NOT EXCEED 30 INCHES2 AND THE GEOTEXTILE IS THE POSTS. WHEN THE TRENCH IS OBSTRUCTED BY STONES, TREE ROOTS, ETC. ALLOW THE GEOTEXTILE TO LAY OVER THE

IN THE ABSENCE OF MANUFACTURER'S INSTRUCTIONS, SPACE WIRE STAPLES ON WOODEN STAKES AT A MAXIMUM OF 4 INCHES APART AND ALTERNATE THEIR POSITION FROM PARALLEL TO THE AXIS OF THE STAKE TO PERPENDICULAR. DO NOT STAPLE THE GEOTEXTILE TO LIVING TREES. PROVIDE REINFORCEMENT FOR THE FENCE WHEN IT CAN BE EXPOSED TO HIGH WINDS. WHEN JOINTS IN THE GEOTEXTILE FABRIC ARE NECESSARY, SPLICE TOGETHER ONLY AT A SUPPORT POSTS, AND SECURELY SEAL (SEE MANUFACTURER'S RECOMMENDATIONS).

BACKFILL & COMPACTION:

BACKFILL THE TRENCH WITH TAMPED SOIL OR AGGREGATE OVER THE GEOTEXTILE (SEE FIGURE GSF-3), WHEN THE TRENCH IS OBSTRUCTED BY A STONE, TREE ROOT, ETC. MAKE SURE THE BOTTOM OF THE GEOTEXTILE LIES HORIZONTAL ON THE GROUND WITH THE RESULTING FLAP ON THE UP SLOPE SIDE OF THE GEOTEXTILE AND BURY THE FLAP 6 INCHES OF TAMPED SOIL, OR AGGREGATE.

CONSTRUCTION ACCESS ROAD NOTES (REFER TO SHEET 8 DETAIL I):

OBSTRUCTION SUCH THAT THE BOTTOM OF THE GEOTEXTILE POINTS UP SLOPE.

AS REFERENCED FROM "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" SECTION

CONSTRUCTION ACCESS ROADS ARE UNPAVED ROADWAYS CONSISTING OF A TRAVEL SURFACE AND ASSOCIATED SIDE SLOPES. DURING WET WEATHER SUCH ROADWAYS CAN GENERATE SIGNIFICANT QUANTITIES OF SEDIMENT IF NOT CONSTRUCTED WITH ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES.

where possible, these construction access roads should conform to the contours of the land, avoiding grades STEEPER THAN 10% AND CREATING SIDE SLOPES NO STEEPER THAN 2:1. IF THE SIDE SLOPES ARE STEEPER THAN 2:1, THEN USE ENGINEERED SLOPE STABILIZATION METHODS

INSPECTION OF THE CONSTRUCTION ACCESS ROAD AND THE ASSOCIATED EROSION AND SEDIMENT CONTROL SHOULD OCCUR AT THE END OF EACH DAY THE ROAD IS USED AND REPAIRS TO CONTROLS MADE IMMEDIATELY. IF THE ROAD IS NOT USED FOR MORE THAN A WEEK, THEN INSPECT THE EROSION AND SEDIMENT CONTROLS AT A FREQUENCY AS REQUIRED BY THE E&S MEASURE USED. REPAIRS MAY INCLUDE REGRADING OR TOP DRESSING THE TRAVELED SURFACE WITH ADDITIONAL AGGREGATE TO ELIMINATE RUTS, AS WELL AS THOSE REPAIRS REQUIRED BY EACH E&S MEASURE USED.

CONSTRUCTION ENTRANCE NOTES (REFER TO SHEET 8 DETAIL E): AS REFERENCED FROM "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL"

SECTION 5-12-2

 LOCATION: LOCATE THE ENTRANCE TO PROVIDE MAXIMUM UTILIZATION BY CONSTRUCTION VEHICLES. AVOID POORLY DRAINED

2. CONSTRUCTION ENTRANCE DIMENSIONS (SEE FIGURE CE-2):

TRACKING OF SEDIMENT ONTO PAVED SURFACES.

STONE THICKNESS: NOT LESS THAN 6 INCHES. WIDTH: A 12-FOOT MINIMUM WITH POINTS OF INGRESS OR EGRESS FLARED SUFFICIENTLY TO ACCOMMODATE THE TURNING RADIUS OF THE CONSTRUCTION VEHICLES USED LENGTH: A 50-FOOT MINIMUM EXCEPT WHERE THE TRACKED SEDIMENTS CONTAIN LESS THAN 80% SAND, A 100-FOOT MINIMUM IS REQUIRED. IF THE TRAVELED LENGTH IS LESS THAN THE MINIMUM, THEN THE CONSTRUCTION ENTRANCE SHALL BE THE TRAVELED LENGTH. ON A SITE SPECIFIC BASIS INCREASE LENGTHS AS NEEDED TO PREVENT THE

3. CONSTRUCTION:

CLEAR THE AREA OF THE ENTRANCE OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. AT POORLY DRAINED LOCATIONS INSTALL SUBSURFACE DRAINAGE ENSURING THE OUTLET TO THE DRAINS ARE FREE FLOWING.

IF USING A GEOTEXTILE IN PLACE OF FREE DRAINING MATERIAL, UNROLL THE GEOTEXTILE IN A DIRECTION PARALLEL TO THE ROADWAY CENTERLINE IN A LOOSE MANNER PERMITTING IT TO CONFORM TO THE SURFACE IRREGULARITIES WHEN THE STONE IS PLACED. UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER, THE MINIMUM OVERLAP OF GEOTEXTILE PANELS JOINED WITHOUT SEWING ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. THE GEOTEXTILE MAY BE TEMPORARILY SECURED WITH PINS RECOMMENDED OR PROVIDED BY THE MANUFACTURER BUT THEY SHALL BE REMOVED PRIOR TO PLACEMENT OF THE STONE.

PLACE THE STONE TO THE SPECIFIED DIMENSIONS. KEEP ADDITIONAL STONE AVAILABLE OR STOCKPILE FOR FUTURE USE. IF THE GRADE OF THE CONSTRUCTION ENTRANCE DRAINS TO THE PAVED SURFACE AND IT EXCEEDS 2%, CONSTRUCT A WATER BAR WITHIN THE CONSTRUCTION ENTRANCE AT LEAST 15 FEET FROM ITS ENTRANCE ON THE PAVED SURFACE DIVERTING RUNOFF WATER TO A SETTLING OR FILTERING AREA.

CONSTRUCT ANY DRAINAGE AND SETTLING FACILITIES NEEDED FOR WASHING OPERATIONS. IF WASH RACKS ARE USED, INSTALL ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

IF MOST OF THE SEDIMENT IS NOT REMOVED BY TRAVEL OVER THE STONE, WASH TIRES BEFORE VEHICLES ENTER A PUBLIC ROAD. DIVERT WASH WATER AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. SIZE SETTLING AREA TO HOLD THE VOLUME OF WATER USED DURING ANY 2-HOUR PERIOD. USING A WASH RACK MAY MAKE WASHING MORE CONVENIENT AND EFFECTIVE.

MAINTENANCE:

MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENT ONTO PAVED SURFACES. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND. REPAIR ANY MEASURES USED TO TRAP SEDIMENT AS NEEDED. IMMEDIATELY REMOVE ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES. ROADS ADJACENT TO A CONSTRUCTION SITE SHALL BE LEFT CLEAN AT THE END OF EACH DAY, IF THE CONSTRUCTION ENTRANCE IS BEING PROPERLY MAINTAINED AND THE ACTION OF A VEHICLE TRAVELING OVER THE STONE PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE SEDIMENT, THEN

(1) INCREASE THE LENGTH OF THE CONSTRUCTION ENTRANCE, (2) MODIFY THE CONSTRUCTION ACCESS ROAD SURFACE, OR

(3) INSTALL WASHING RACKS AND ASSOCIATED SETTLING AREA OR SIMILAR DEVICES BEFORE THE VEHICLE ENTERS A

TEMPORARY CULVERT FOR STREAM CROSSING: (REFER TO SHEET 8 DETAIL C)

AS REFERENCED FROM "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" SECTION 5-6-29

THREE (3) ONE (1) FOOT DIAMETER PIPES SHALL BE USED.

IN NO CASE SHALL THE CULVERT EXCEED 40 FEET IN LENGTH. IF THE CROSSING APPROACH GRADES REQUIRE EXTENSIVE FILLS THEN CONSIDER USING A BRIDGE RATHER THAN A CULVERT FOR THE CROSSING STRUCTURE.

THE SLOPE OF THE CULVERT SHALL MATCH THE EXISTING CHANNEL BOTTOM SLOPE.

CULVERT BACKFILL REQUIRES THE USE OF WELL GRADED, FREE DRAINING GRAVEL OR CRUSHED STONE TO FORM THE CROSSING AND A GEOTEXTILE, IF NECESSARY, SPECIFICALLY INTENDED FOR ROAD STABILIZATION BETWEEN THE FILL AND THE NATIVE SOIL. PROVIDE SPECIFICATIONS FOR THE GEOTEXTILE SUCH THAT IT CAN ADEQUATELY DISTRIBUTE LOADS, RETAIN FINES AND PROVIDE SEPARATION BETWEEN THE BACKEILL AND THE NATIVE SOIL SEE CONSTRUCTION ENTRANCE MEASURE FOR REQUIRED PHYSICAL QUALITIES OF THE GEOTEXTILE. THE DEPTH OF COVER OVER THE CULVERT SHALL BE A MINIMUM OF 24 INCHES AND MAY BE INCREASED IF ANTICIPATED LOADS REQUIRE DESIGNED FILL DEPTHS TO BE GREATER. FOR CULVERT(S) ON A TEMPORARY STREAM CROSSING EXPECTED TO BE USED IN EXCESS OF 14 DAYS, THE BACKFILL SHALL BE PROTECTED FROM EROSION WITH RIPRAP DESIGNED IN ACCORDANCE WITH THE RIPRAP MEASURE.

INSTALLATION REQUIREMENTS

CHECK WEATHER FORECASTS TO INSURE A STORM IS NOT PREDICTED DURING THE TIME OF CONSTRUCTION. DELAY CONSTRUCTION UNTIL AFTER THE THREAT OF RAINFALL HAS PASSED

1. KEEP CLEARING AND EXCAVATION OF THE STREAM BED AND BANKS TO A MINIMUM. 2. WHEN A GEOTEXTILE IS TO BE USED, PLACE IT ON THE STREAM BED AND STREAM BANKS PRIOR TO PLACEMENT OF THE PIPE CULVERT(S) AND FILL. COVER THE GEOTEXTILE IN THE STREAM BED AND EXTEND A MINIMUM OF SIX INCHES AND A MAXIMUM OF ONE FOOT BEYOND THE END OF THE CULVERT AND BEDDING MATERIAL 3. INSTALL THE CULVERT ON THE NATURAL STREAM BED.

4. EXTEND THE CULVERT(S) A MINIMUM OF ONE FOOT BEYOND THE UPSTREAM AND DOWNSTREAM TOE OF THE BACKFILL

PLACED AROUND THE CULVERT. 5. COVER THE CULVERT(S) WITH A MINIMUM OF 24 INCHES OF BACKFILL. IF MULTIPLE CULVERTS ARE USED, SEPARATE THEM BY AT LEAST 12 INCHES OF COMPACTED FILL.

SECTION 5-1-2

UNDER THE CRZ1.

INSPECT AND PERFORM ANY REPAIR WORK AT THE END OF EACH DAY THAT THE TEMPORARY STREAM CROSSING AND APPROACHES ARE EXPOSED TO VEHICULAR TRAFFIC. WHEN THE CROSSING IS NOT USED FOR A WEEK OR MORE, INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER ANY RAINFALL GREATER THAN 0.5 INCH. CHECK FOR WASHOUTS AT CULVERTS, CROSSING APPROACHES AND FAILING ASSOCIATED CONTROLS, IMMEDIATELY REPAIR ALL DAMAGE, WHERE STRUCTURAL DAMAGE OR REPEATED WASHOUTS OF THE TEMPORARY STREAM CROSSING OCCUR, AN ENGINEERING REVIEW IS REQUIRED TO DETERMINE THE CAUSE OF THE FAILURES AND ADJUSTMENTS MADE TO THE STRUCTURE OR EROSION AND SEDIMENT CONTROLS AS NEEDED TO PREVENT FUTURE FAILURES

WHEN THE TEMPORARY STREAM CROSSING IS NO LONGER NEEDED, IMMEDIATELY REMOVE ALL STRUCTURES, ASSOCIATED FILL MATERIALS AND GEOTEXTILES KEEPING IN-STREAM WORK TO A MINIMUM. UPON REMOVAL OF THE STRUCTURE, IMMEDIATELY SHAPE THE STREAM TO ITS ORIGINAL CROSS-SECTION, PROTECT THE BANKS FROM EROSION, AND REMOVE OF ALL CONSTRUCTION MATERIALS AND APPLY SOIL PROTECTION MEASURES TO UNSTABLE SOILS.

TREE PROTECTION NOTES (REFER TO SHEET 8 DETAIL D): AS REFERENCED FROM "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL"

THE TREE PROTECTION ZONE (TPZ) IS DEFINED AS A CIRCULAR AREA SURROUNDING A TREE OR GROUP OF TREES WITH A DIAMETER TWENTY TIMES THE DBH (DIAMETER OF THE TRUNK OF THE TREE MEASURED AT 4.5 FEET ABOVE THE GROUND). WHERE GROUPS OF TREES OR FORESTED AREAS REQUIRE DELINEATION OF THE TPZ, TREES WITHIN 20 FEET OF THE EDGE OF THE GROUP OR FOREST THAT HAVE A LARGER DBH THAN THE OUTERMOST TREES SHOULD BE NOTED TO PROPERLY ESTABLISH THE TPZ. THE TPZ ENCOMPASSES AND CREATES A BUFFER TO THE CRITICAL ROOT ZONE.

THE CRITICAL ROOT ZONE (CRZ) IS DEFINED AS A CYLINDRICAL AREA, WITH A DIAMETER TEN TIMES THE DBH, INCLUDING THE SOIL WITHIN THIS AREA TO A DEPTH OF TWO TO THREE FEET. (SEE FIGURE TP-1 FOR EXAMPLE CALCULATING CRZ). WHERE TREE ROOTS ARE SEVERELY CROWDED BY SIDEWALKS, PAVED SURFACES, OR BUILDINGS, AND RESTRICTED BY LINEAR STRIPS

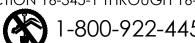
BETWEEN SIDEWALKS AND ROADS, THE CRZ SHOULD BE EXTENDED TO ENCOMPASS THE TREE PROTECTION ZONE WHERE THERE ARE ROOTS PRESENT. ALL TPZS SHOULD BE DELINEATED ON THE GRADING DRAWINGS. WHEN A SIGNIFICANT PORTION OF THE TP7 OR ANY PORTION

OF THE CRZ MUST BE IMPACTED, OBTAIN GUIDANCE FROM AN ARBORIST LICENSED TO PRACTICE IN CONNECTICUT. DISTURBANCE WITHIN THE CRZ CAN SERIOUSLY THREATEN TREE SURVIVAL. THE ARBORIST SHOULD PROVIDE SPECIFIC GUIDANCE ON WHETHER TO KEEP OR REMOVE THE TREE, INCLUDING MEASURES TO MAINTAIN TREE HEALTH AND SAFETY. THESE MEASURES MAY INCLUDE CLEAN CUTTING OF ROOTS EXPOSED BY EXCAVATION, MAINTAINING GRADES AND MULCH, ENSURING PROPER AERATION AND DRAINAGE, CONSTRUCTION OF TREE

WELLS AND TREE WALLS , PRUNING, MECHANICAL PROTECTION OF THE TREE TRUNK AND THE POSSIBILITY OF TUNNELING

WHEN GRADES MUST BE CHANGED OR TRENCHING IS TO OCCUR EITHER WITHIN THE TREE PROTECTION ZONE OR THE CRITICAL ROOT ZONE, THE UNDISTURBED PORTION OF THE CRITICAL ROOT ZONE MUST BE PROTECTED BY A FENCE.

CALL BEFORE YOU DIG! CONNECTICUT LAW REQUIRES 2 FULL WORKING DAYS NOTICE PRIOR TO CONSTRUCTION - STOP CALL CALL BEFORE YOU DIG, INC. REFERENCE CONNECTICUT SECTION 1 SECTION 16-345-1 THROUGH 16-345-7



PROJECT NOTES

HORIZONTAL DATUM IS CONNECTICUT STATE PLANE NAD83, FEET. VERTICAL DATUM BASED ON NAVD88

SURVEY OBTAINED FROM "IMPROVEMENT LOCATION PLAN DEPICTING LAND OF TOWN OF GLASTONBURY "SLOCOMB OPEN SPACE PARK"" DATED AUGUST 2019 PROVIDED BY TOWN OF GLASTONBURY.

WETLAND DELINEATION COMPLETED BY MARTIN BROGIE, INC. ON AUGUST 20, 2019.

ALL DRAWING SCALES ACCURATE WHEN PRINTED ON 24" BY 36" PAPER.

DESCRIPTION DATE REVISIONS

STATE OF CONNECTICUT CERTIFICATE OF REGISTRATION NO.: 0001188

LAURA A.S. WILDMAN APRIL 2, 2020

DATE



1108 OLD YORK RD, SUITE RINGOES, NEW JERSEY 08551 PHONE: 908.237.5660 PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:

SLOCOMB POND DAM REMOVAL (CT DEEP ID #5425) TOWN OF GLASTONBURY HARTFORD COUNTY, CONNECTICUT

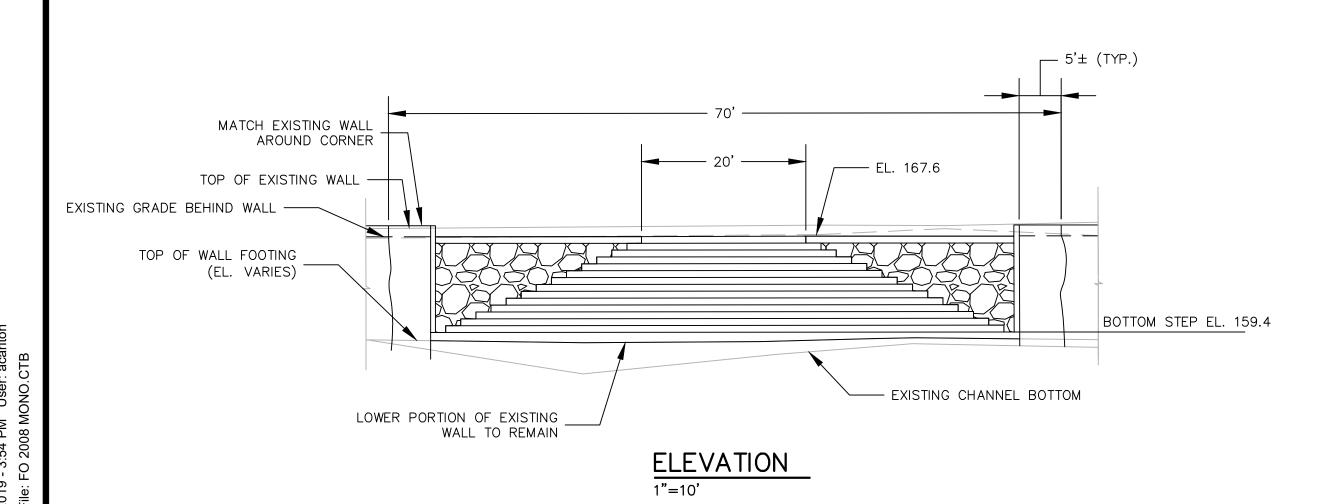
DRAWING NAME:

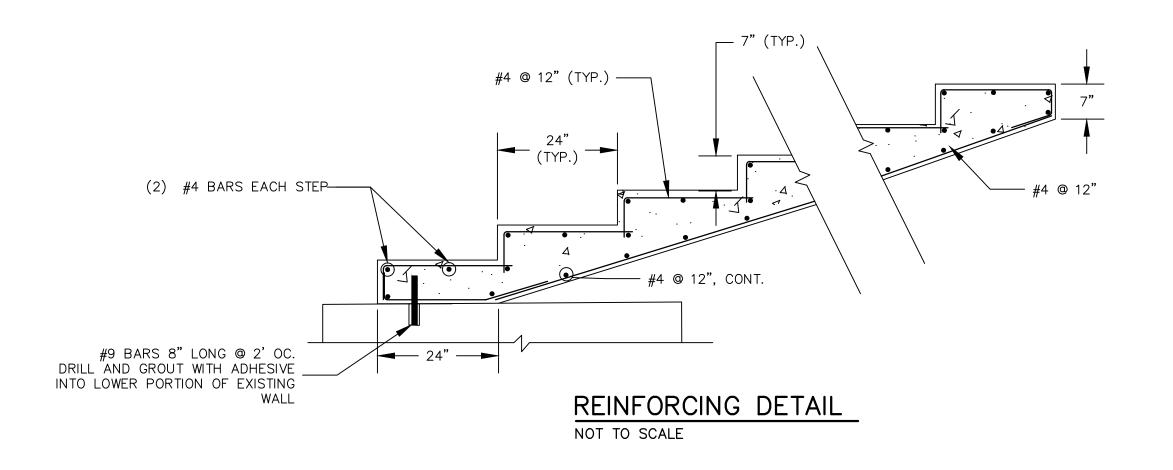
CONSTRUCTION NOTES

DATE:	04/01/2020
PROJECT NO.:	1036.042
SCALE:	AS SHOWN
DRAWN BY:	JD, ML
CHECKED BY:	LW, PW

SHEET NO.







SEAL

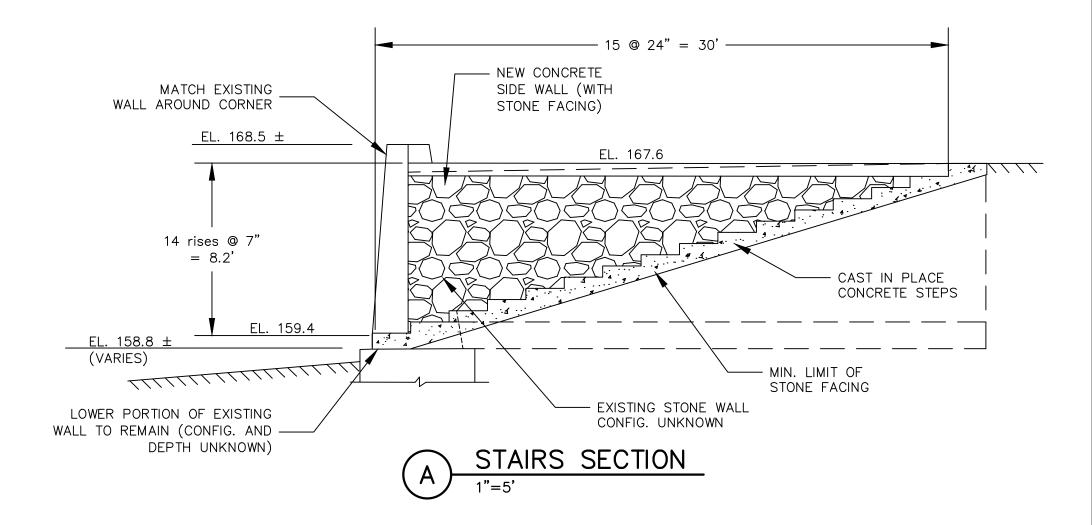
SEAL

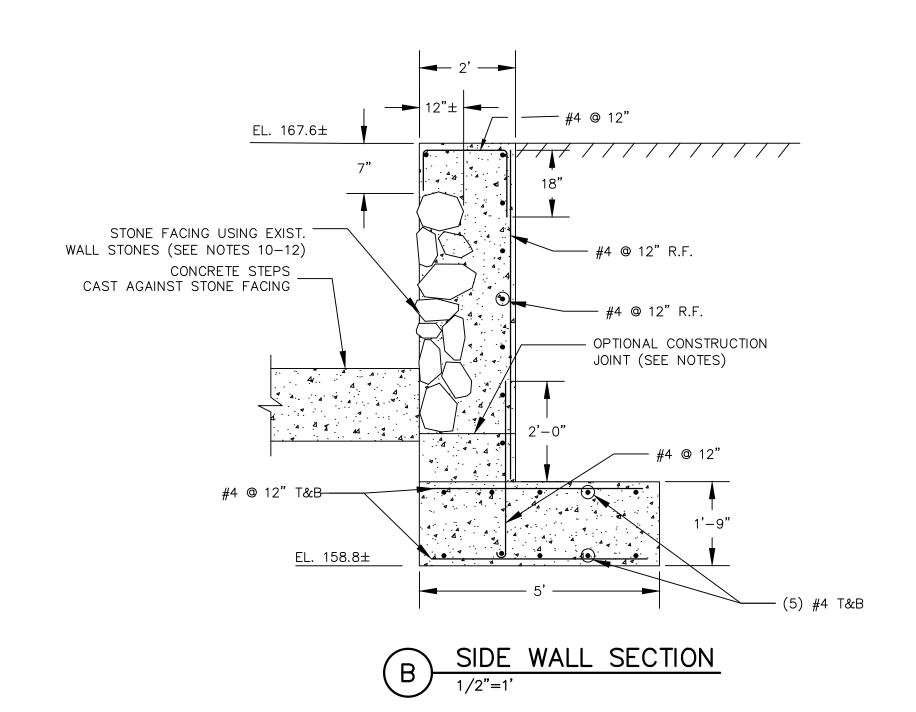
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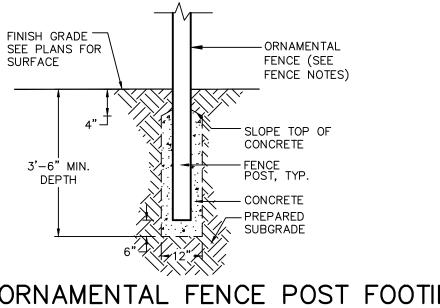
- 1. ALL CONCRETE WORK SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- 2. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 AND BE DETAILED IN ACCORDANCE WITH ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
- 3. REBARS SHALL HAVE A MINIMUM CONCRETE COVER AS FOLLOWS: CONCRETE DEPOSITED AGAINST GROUND.......3 IN. CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: FOR BARS #5 AND LARGER...... 1N. FOR BARS SMALLER THAN #5......1½ IN. CONCRETE NOT EXPOSED TO THE WEATHER OR THE GROUND:
- 4. ALL REINFORCING BARS SHALL BE CONTINUOUS AND LAPPED A MINIMUM OF 48 BAR DIAMETERS AT ALL SPLICES, CORNERS, AND INTERSECTIONS UNLESS NOTED OTHERWISE.
- 5. ALL REINFORCEMENT SHALL BE SECURELY TIED IN ITS PROPOSED LOCATION PRIOR TO AND DURING PLACEMENT OF CONCRETE USING APPROVED CHAIRS, SPACERS AND TIE WIRE AS REQUIRED. NO BARS SHALL BE CUT OR OMITTED IN THE FIELD WITHOUT THE APPROVAL OF THE ENGINEER.
- 6. CONCRETE FOR SHALL BE NORMAL WEIGHT CONCRETE AND SHALL DEVELOP A COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS, UNLESS OTHERWISE NOTED. CONCRETE SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 3/4 INCH, A MINIMUM CEMENT CONTENT OF 560 LBS/CU YD., AND A MAXIMUM SLUMP OF 4 INCHES.
- 7. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4 INCH CHAMFER UNLESS NOTED
- 8. ALL CONCRETE SHALL BE AIR-ENTRAINED.
- 9. HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED IN THE WALL STEMS AS SHOWN FOR THE PURPOSE OF PROVIDING A SHELF FOR THE STONE FACING.
- 10. IT IS ANTICIPATED THAT THE STONE FACING UTILIZING THE EXISTING WALL STONES WILL BE MORTARED IN PLACE PRIOR TO POURING THE STEM CONCRETE BEHIND THE FACING. THE REAR SIDE OF THE STONE FACING SHALL BE IRREGULAR TO PROMOTE INTEGRATION AND BONDING OF THE STEM CONCRETE WITH THE FACING.
- 11. THE MORTAR SHALL CONFORM TO THE REQUIREMENTS OF CTDOT FORM 817 SECTION M.11.04.
- 12. THE EXISTING WALL STONES USED FOR THE FACING SHALL BE CAREFULLY SELECTED TO PROVIDE A SIMILAR APPEARANCE TO THE EXISTING STONE WALLS ON THE SITE.

FENCE NOTES:

- 1. FENCING SYSTEM AND ALL COMPONENTS SHALL BE MONTAGE PLUS GENESIS ORNAMENTAL
- 2. STEEL PICKETS AS MANUFACTURED BY AMERISTAR FENCE PRODUCTS, INC.
- 3. FENCE PANELS SHALL BE 4' IN HEIGHT WITH A MAXIMUM SPAN OF 8'.
- 4. FENCE COLOR SHALL BE BLACK.
- 5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ORDERING.



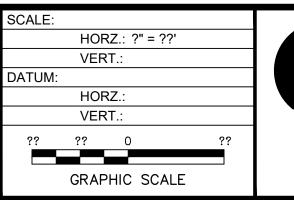




ORNAMENTAL FENCE POST FOOTINGS NOT TO SCALE

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PRINCETON HYDRO SITE STAIR DETAILS

GLASTONBURY

ROARING BROOK DAM REMOVAL

DATE: 11/13/2019 STR-01

PROJ. No.: 20190622.A20