



**DANE COUNTY DEPT. OF
PUBLIC WORKS, HIGHWAY &
TRANSPORTATION**

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Office: 608/266-4018 ♦ Fax: 608/267-1533
Public Works Engineering Division
Public Works Solid Waste Division

ADDENDUM 1

September 21, 2017

ATTENTION ALL REQUEST FOR BID (RFB)HOLDERS

RFB NO. 317033 - ADDENDUM NO. 1

DORN CREEK SEDIMENT REMOVAL

BIDS DUE: September 26, 2017, 2:00 PM. DUE DATE AND
TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

PLEASE MAKE THE FOLLOWING CHANGES:

1. **Section 02225 Hydraulic Dredging for Sediment Removal:**

Change: Add the following at the end of Section 02225 1.01 A. 9.: “CONTRACTOR shall submit all permit application materials, all issued permits, and all of CONTRACTOR’s permit compliance information (ie: water quality testing results at a minimum weekly basis) to OWNER.”

Change: Add the following to the end of Section 02225 3.04 M: “Monitoring shall be in accordance with Section 3.3 of WPDES Permit No. WI-0046558-05-0 for Carriage and/or Interstitial Water Resulting from Dredging Operations. Return water discharge shall not cause any erosion issues.”

Change: Delete the last sentence of Section 02225 3.04 O.

Change: Replace Section 02225 3.04 Q. with the following: “Restoration of the dredging spoils dewatering area shall consist of seeding over the dewatering bags with a cover crop in the spring of 2018 per Section 02930-Restoration, cutting open dewatering bags in late-summer 2018 to spread the sediment over adjacent lands consistent with the final disposition grading plan, removal of the underlying plastic liner, and restoration with Cool Season Grass Seed Mixture, cover crop, and mulch by September 1, 2018, per Section 02930-Restoration.”

Change: Delete the last sentence of Section 02225 3.04 S. 2. and add the following: “Contractor shall utilize low-impact methods for construction access within the **Support Work Zone** and between the **Dredging Work Zone** and **Support Work Zone** as further defined below. Acceptable low-impact methods for construction access include use of low ground contact pressure equipment (maximum ground bearing contact pressure of 4 pounds per square inch), standard equipment with marsh mats, and standard equipment with rubber matting over frozen ground. Frozen ground is defined as a minimum of 2 feet of frost which must be verified by CONTRACTOR and witnessed

by OWNER staff at the start of each work day. CONTRACTOR work in the **Support Work Zone** and between the **Dredging Work Zone** and **Support Work Zone** is expected to minimize damage to underlying vegetation including but not limited to no tire or track spinning, tire and tracks must be moving at all times while maneuvering equipment, and maximum depth of rutting shall be 3 inches. CONTRACTOR's operations shall be suspended if experiencing greater than 3 inches of rutting or an alternate low-impact method for construction access shall be utilized."

Change: Replace the last two sentences of Section 02225 3.04 T. with the following: "The channel bottom shall have been dredged to the parent material level to a reasonably clean state just prior to the time of the dredging check OWNER and ARCHITECT/ENGINEER will perform dredging checks from upstream to downstream. CONTRACTOR shall coordinate dredging checks with OWNER and ARCHITECT/ENGINEER. CONTRACTOR shall provide transport of OWNER and ARCHITECT/ENGINEER staff to the **Dredging Work Zone** for purposes of performing dredging checks. CONTRACTOR shall provide watercraft and CONTRACTOR staff to assist OWNER and ARCHITECT/ENGINEER staff in performing dredging checks."

2. Section 02285 Woody Debris Restoration

Change: Delete Section 02285 2.01 B. and replace with the following: "Woody debris shall have an 8-inch to 12-inch diameter, and a minimum of 8 feet of the trunk must be attached to provide for adequate anchoring in the bank."

3. Sheet 2

Delete current Sheet 2; replace with new Sheet 2, issued with this Addendum.

4. Sheet 7

Delete current Sheet 7; replace with new Sheet 7, issued with this Addendum.

5. Sheet 8

Delete current Sheet 8; replace with new Sheet 8, issued with this Addendum.

Informational Item(s):

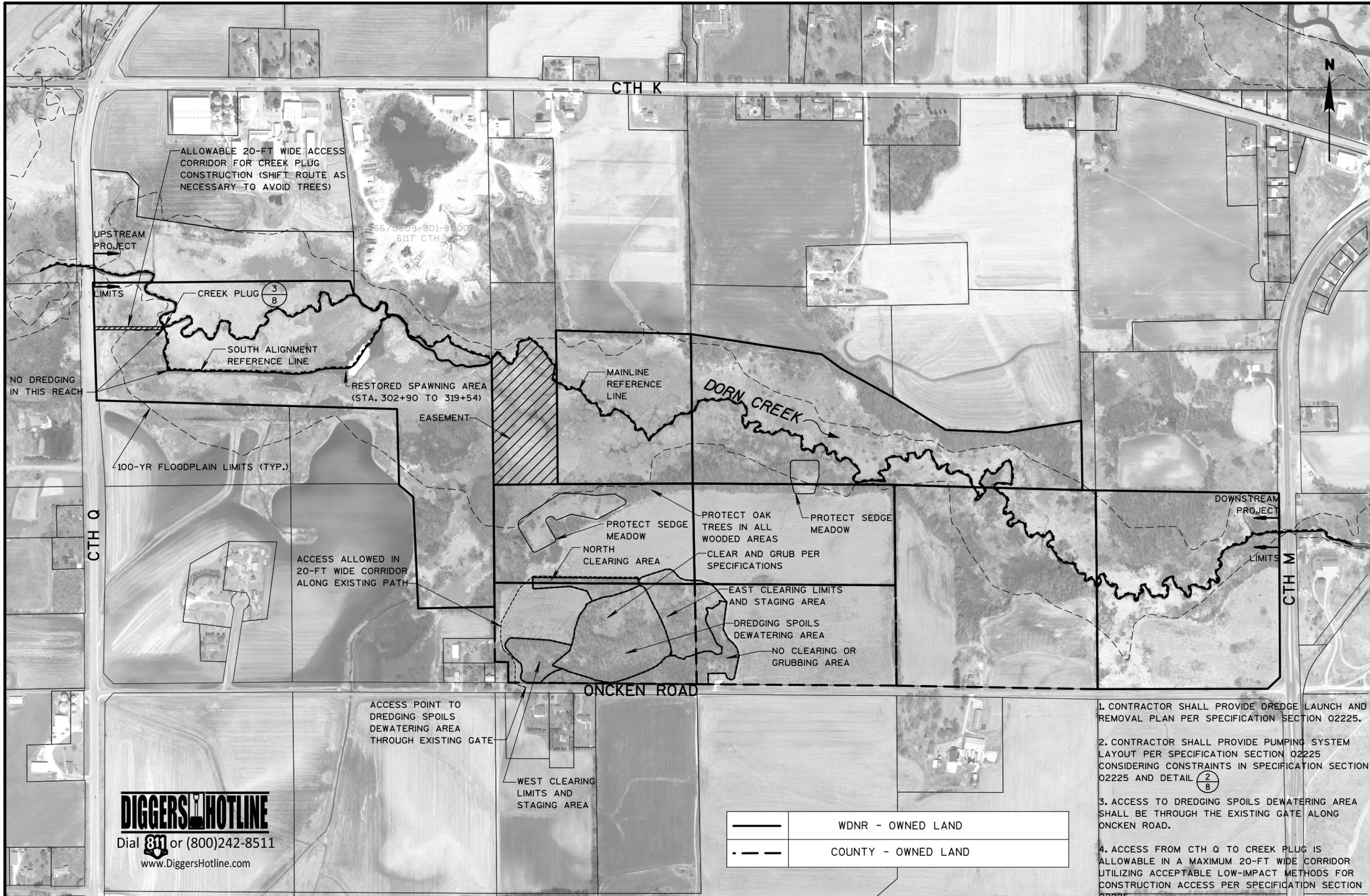
WDNR WPDES – Additive Review Worksheet

If any additional information about this Addendum is needed, please call Ryan Shore at 608/266-4475, shore@countyofdane.com.

Sincerely,
Ryan Shore
Project Manager

Enclosures:

Drawings - Sheet 2
Drawings - Sheet 7
Drawings - Sheet 8
WDNR WPDES Informational Sheet



ALLOWABLE 20-FT WIDE ACCESS CORRIDOR FOR CREEK PLUG CONSTRUCTION (SHIFT ROUTE AS NECESSARY TO AVOID TREES)

UPSTREAM PROJECT LIMITS

CREEK PLUG $\frac{3}{8}$

SOUTH ALIGNMENT REFERENCE LINE

NO DREDGING IN THIS REACH

RESTORED SPAWNING AREA (STA. 302+90 TO 319+54)

EASEMENT

MAINLINE REFERENCE LINE

DORN CREEK

100-YR FLOODPLAIN LIMITS (TYP.)

CTH Q

ACCESS ALLOWED IN 20-FT WIDE CORRIDOR ALONG EXISTING PATH

ONCKEN ROAD

PROTECT SEDGE MEADOW NORTH CLEARING AREA

PROTECT OAK TREES IN ALL WOODED AREAS CLEAR AND GRUB PER SPECIFICATIONS

PROTECT SEDGE MEADOW

EAST CLEARING LIMITS AND STAGING AREA

DREDGING SPOILS DEWATERING AREA

NO CLEARING OR GRUBBING AREA

DOWNSTREAM PROJECT LIMITS

CTH M

ACCESS POINT TO DREDGING SPOILS DEWATERING AREA THROUGH EXISTING GATE

WEST CLEARING LIMITS AND STAGING AREA

1. CONTRACTOR SHALL PROVIDE DREDGE LAUNCH AND REMOVAL PLAN PER SPECIFICATION SECTION 02225.

2. CONTRACTOR SHALL PROVIDE PUMPING SYSTEM LAYOUT PER SPECIFICATION SECTION 02225 CONSIDERING CONSTRAINTS IN SPECIFICATION SECTION 02225 AND DETAIL $\frac{2}{8}$

3. ACCESS TO DREDGING SPOILS DEWATERING AREA SHALL BE THROUGH THE EXISTING GATE ALONG ONCKEN ROAD.

4. ACCESS FROM CTH Q TO CREEK PLUG IS ALLOWABLE IN A MAXIMUM 20-FT WIDE CORRIDOR UTILIZING ACCEPTABLE LOW-IMPACT METHODS FOR CONSTRUCTION ACCESS PER SPECIFICATION SECTION 02225.

	WDNR - OWNED LAND
	COUNTY - OWNED LAND

DIGGERS HOTLINE
 Dial 811 or (800)242-8511
 www.DiggersHotline.com



NO.	REVISIONS	DATE
1	NOTE 4 MODIFICATIONS	9/21/17

ACCESS PLAN
 SEDIMENT REMOVAL IN DORN CREEK
 DANE COUNTY
 DANE COUNTY, WISCONSIN

JOB NO. 1124.016
 PROJECT MGR. JHL

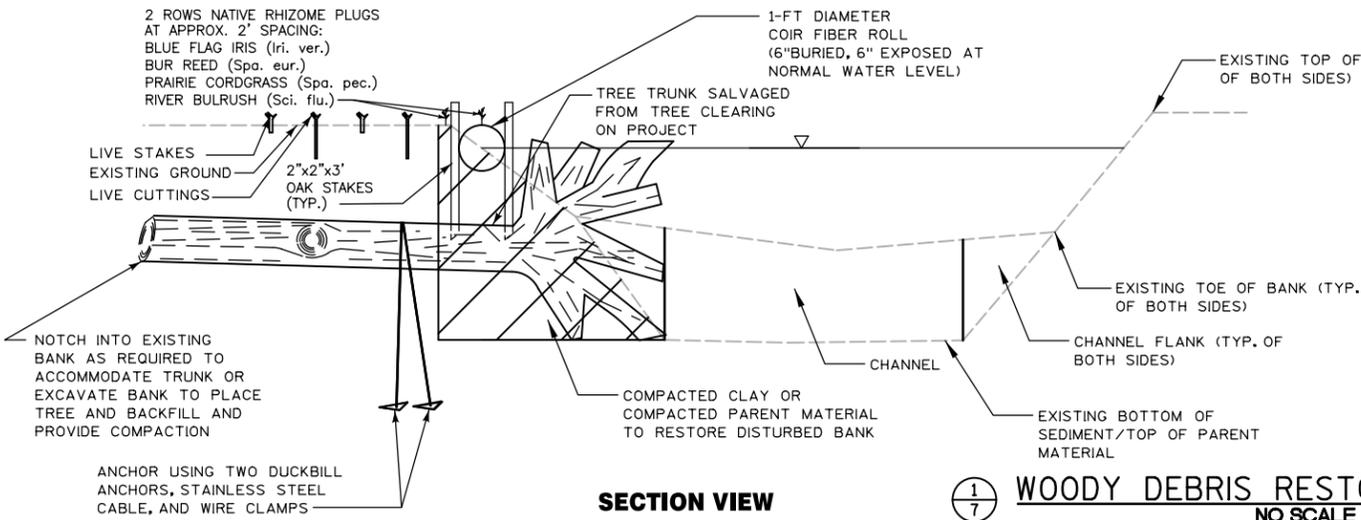


SHEET 2

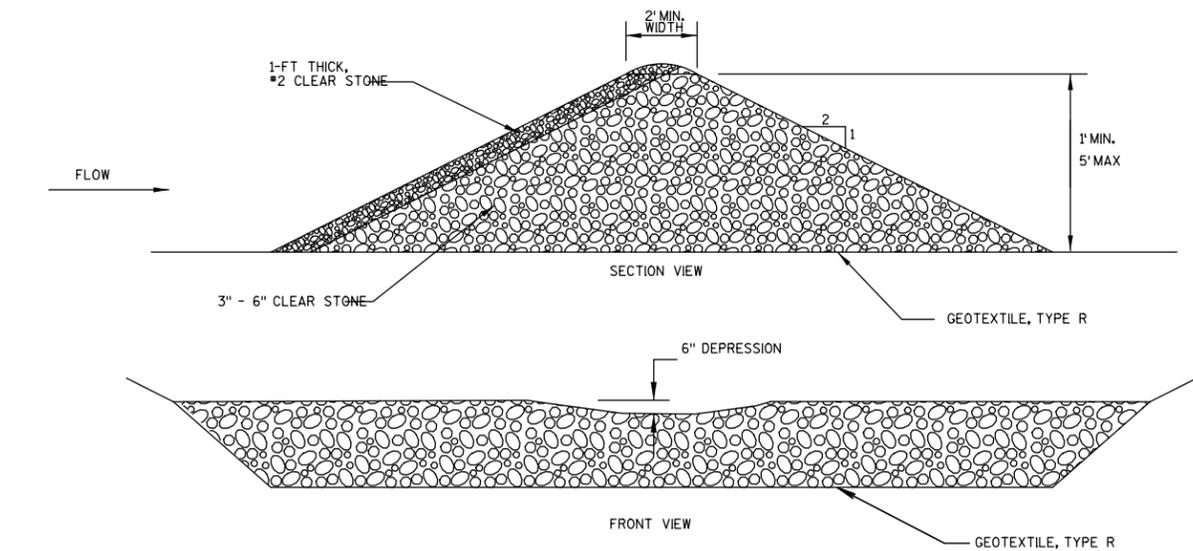
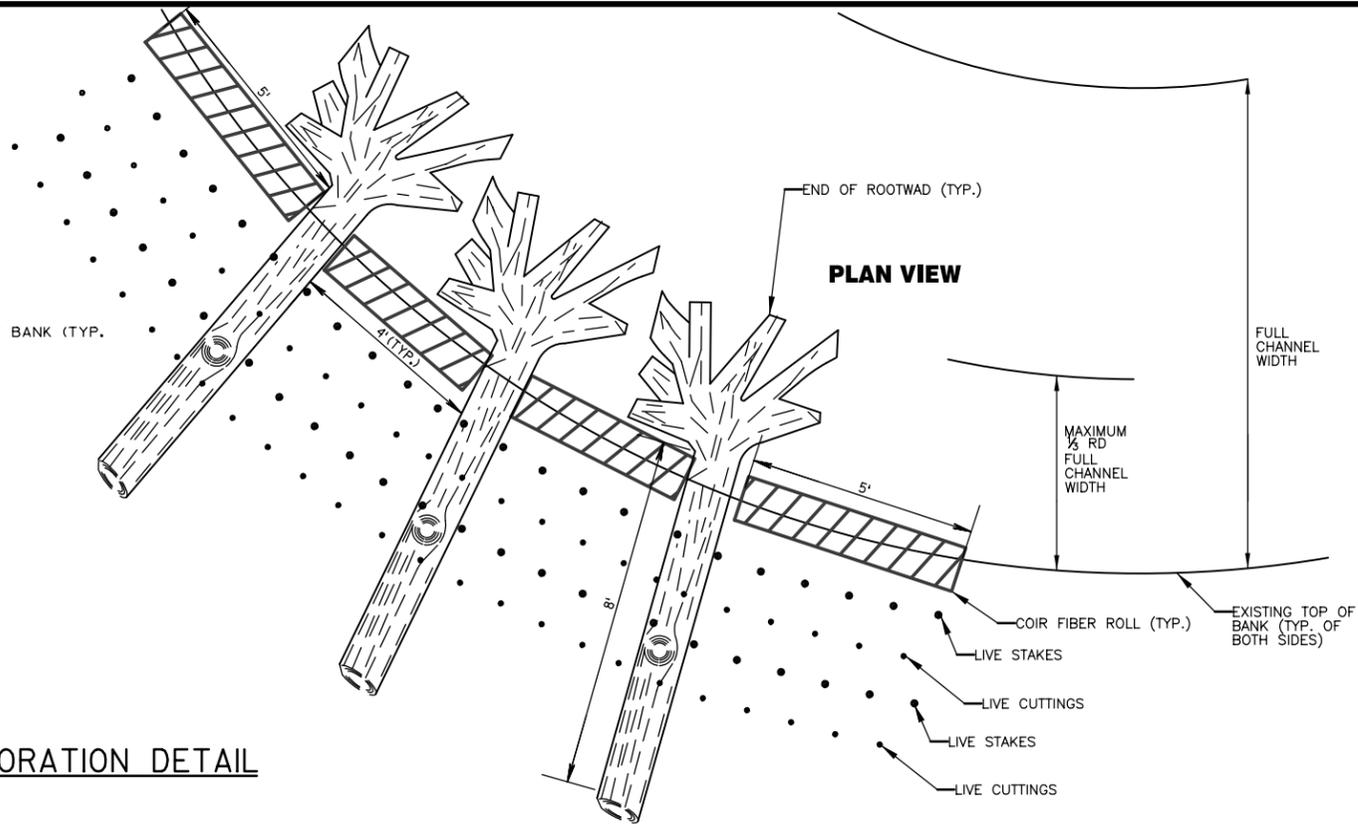
NOTES:

1. USE 8" TO 16" DIA. HARDWOOD TREE TRUNKS FOR WOODY DEBRIS.
2. TREE TRUNK WITH ROOTWAD INTACT WILL BE HARVESTED FROM AREAS CLEARED AT DREDGING SPOILS DEWATERING SITE.
3. PLANT LIVE STAKES, LIVE CUTTINGS, AND PLUGS PER SPECIFICATION SECTION 02999.
4. CLEAR OVERBANK AREA ONLY AS NECESSARY TO INSTALL WOODY DEBRIS RESTORATION DETAIL.
5. END OF ROOTWAD SHALL EXTEND INTO CREEK NO FURTHER THAN 1/2 RD THE FULL CHANNEL WIDTH AS MEASURED BETWEEN EXISTING TOP OF BANKS.

6. ANCHOR SYSTEM: CABLE SHALL BE 1/4" DIAMETER TX9 T302/T304 STAINLESS STEEL AIRCRAFT CABLE. DUCKBILL ANCHOR SHALL BE MODEL 88 AS MANUFACTURED BY FORESIGHT PRODUCTS, OR EQUAL. WIRE CLAMPS SHALL BE COMPATIBLE WITH CABLE AND ANCHOR. FOR EACH TRUNK, INSTALL TWO ANCHORS (ONE ON EACH SIDE OF THE TRUNK) TO SUFFICIENT DEPTH TO ACHIEVE ANCHORING AND CLAMP CABLE TO EACH ANCHOR.



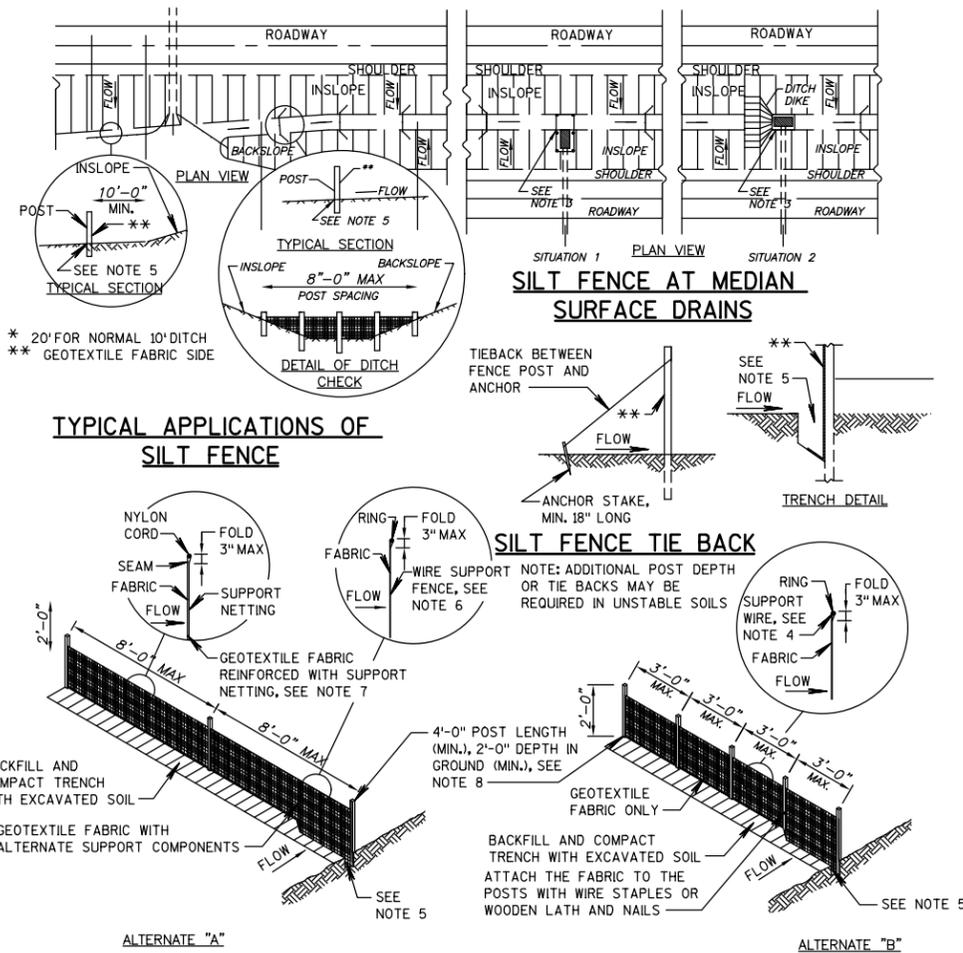
1
7 **WOODY DEBRIS RESTORATION DETAIL**
NO SCALE



2
7 **TEMPORARY STONE CHECK DAM**
NO SCALE

NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
2. WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.
3. CROSS BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
4. MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
5. EXCAVATE TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
6. WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
7. GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 1/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
8. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.2 LBS/LINEAR FOOT WITHOUT ANCHORS, OR ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIAMETER, OR 2 1/2" X 3 1/2", EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OAK OR HICKORY.
9. ALTERNATES A AND B ARE EQUAL AND EITHER MAY BE USED.



3
7 **SILT FENCE DETAIL**
NO SCALE

DATE:	REVISIONS
9/21/17	1
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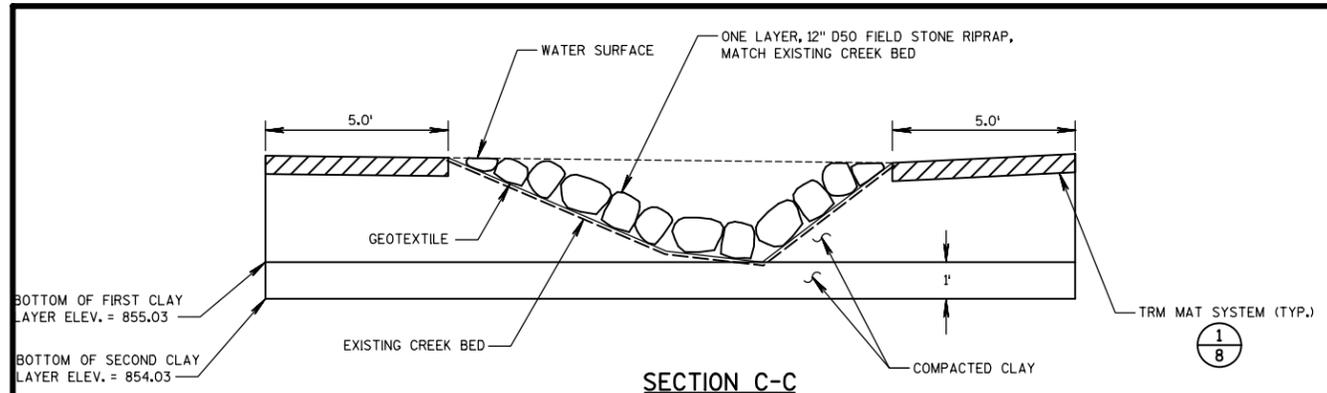
EROSION CONTROL AND RESTORATION DETAILS

SEDIMENT REMOVAL IN DORN CREEK
DANE COUNTY, WISCONSIN

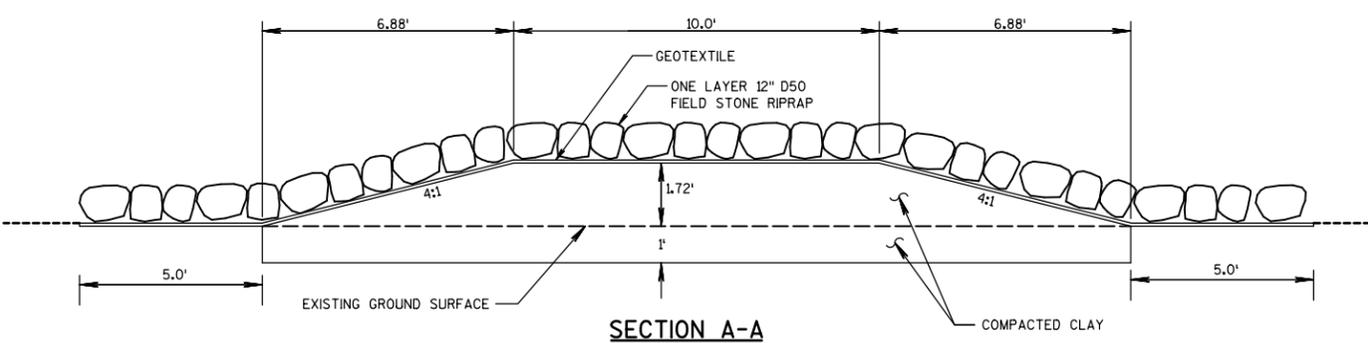
JOB NO.
1124.016
PROJECT MGR.
JHL



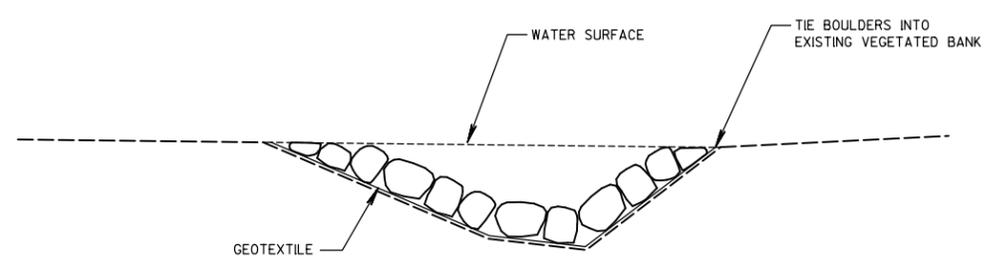
SHEET
7



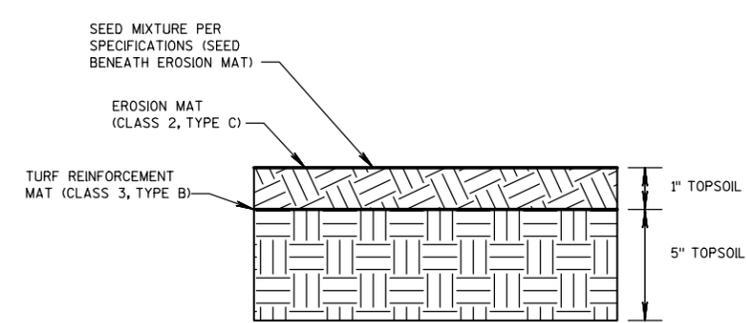
SECTION C-C



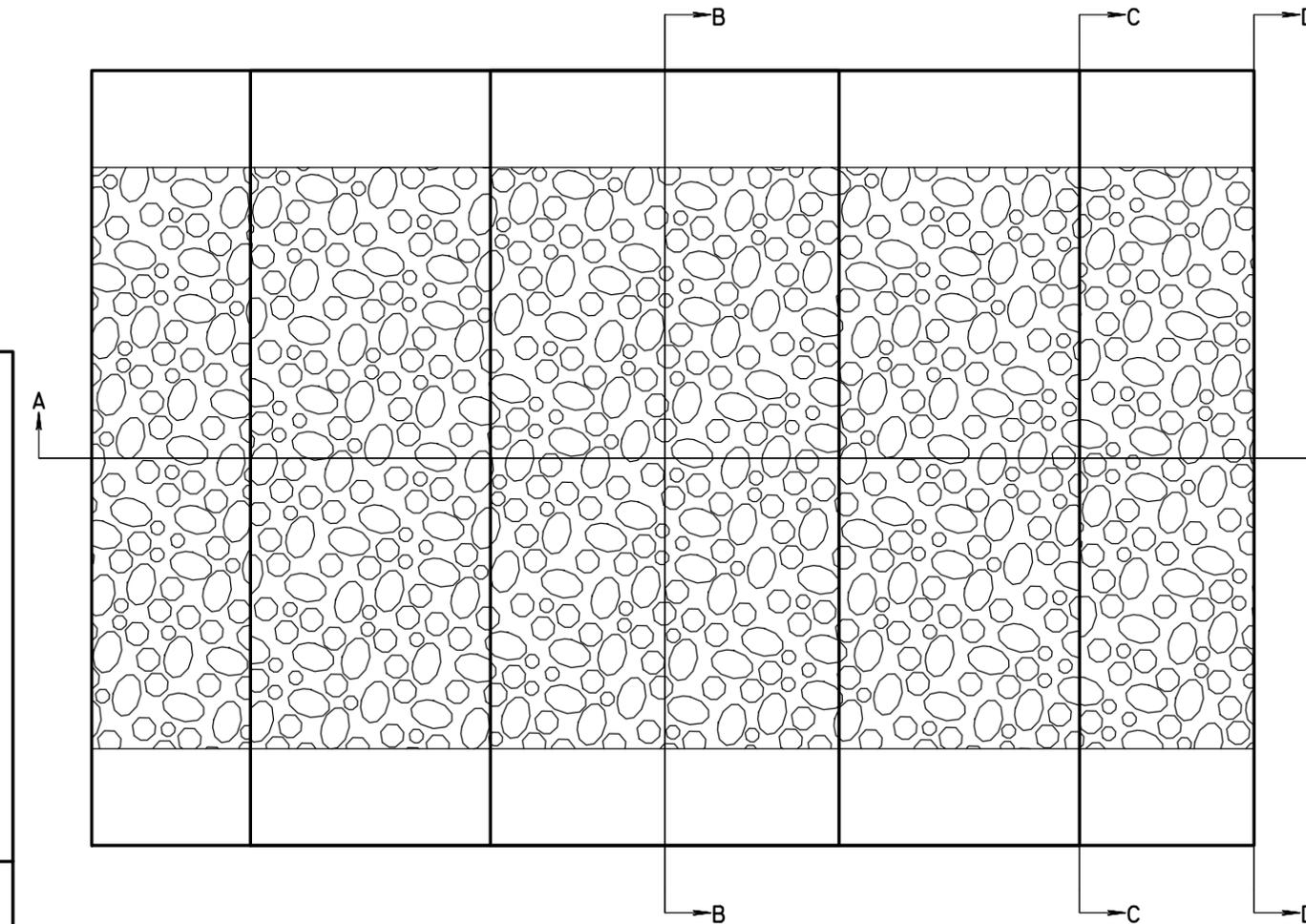
SECTION A-A



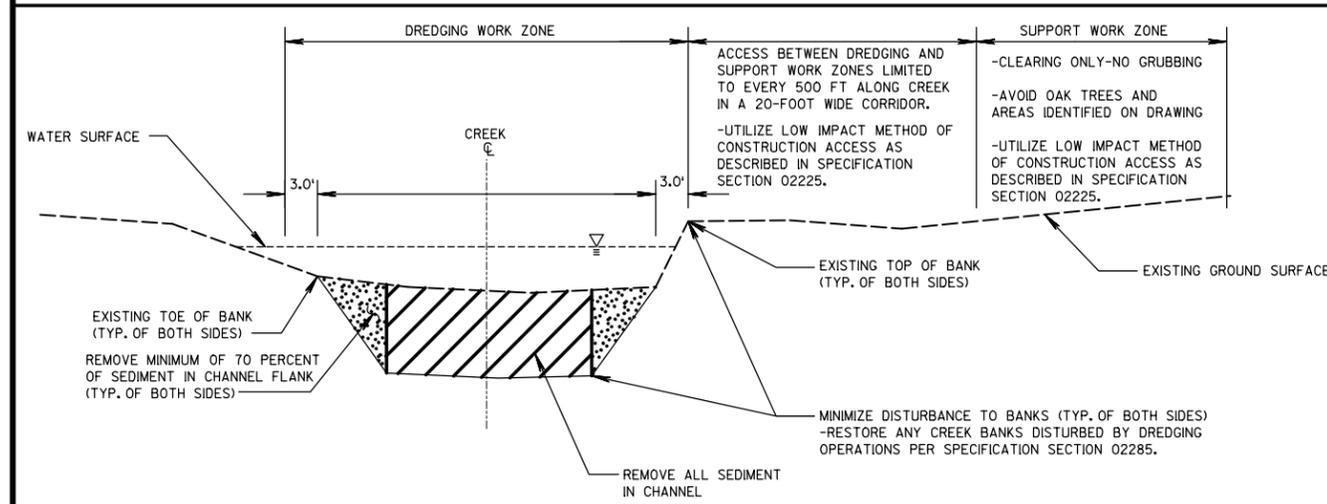
SECTION D-D



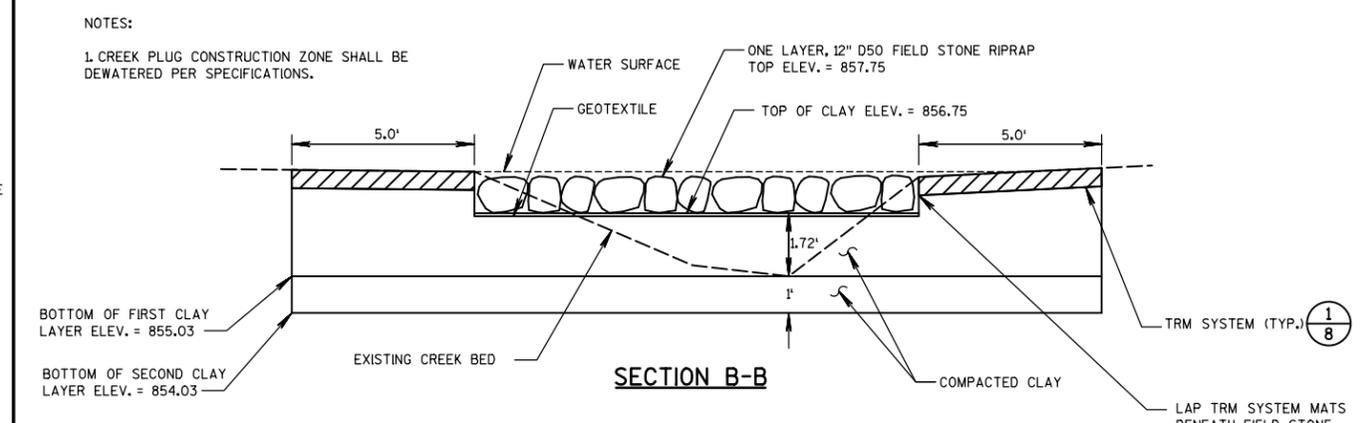
TRM (TURF REINFORCEMENT MAT) SYSTEM
NO SCALE



TYPICAL SECTION DETAILS
SEDIMENT REMOVAL IN DORN CREEK
DANE COUNTY
DANE COUNTY, WISCONSIN



HYDRAULIC DREDGING TYPICAL SECTION AND WORK ZONES
NO SCALE



CREEK PLUG DETAIL
NO SCALE

DATE:	REVISIONS	NO.
9/21/17	DETAIL 2/8 MODIFICATIONS	1

Additive Review Worksheet

This worksheet summarizes the information to be submitted to the WDNR for review of additives. This information is required because additives are approved on a case-by-case basis.

The fields highlighted in blue are required for all additive reviews

Parts D and E need to be completed **for each species** (e.g. Daphnia -water flea); Pimephales (fathead minnow), etc) for which a toxicity test is conducted.

The fields highlighted in green are required for toxicity tests conducted when “Other” is selected for Test Method in Part D-1.

Some, but not all of the required information, may be available on the Material Safety Data Sheets (MSDS). If all of the needed information is not provided on the MSDS, It is recommended that you contact the chemical distributor and/or manufacturer to obtain the required information. You do not need to conduct the toxicity test if the toxicity information is available on the Material Safety Data Sheet or from the supplier/manufacturer. If the required toxicity data is not provided to the Department, the additive product may not be approved for use.

Note: Toxicity test results must address the **commercial product formulation**. The commercial product formulation is all active ingredients and any and all carriers, buffering agents, binding agents, and additional materials – the entire product as used. Information related to active ingredient alone is not sufficient.

For more information on the additive review process, see the [“Water Quality Review Procedures for Additives”](#) guidance document.

A. General Production Information

Date of Request: _____
 Permittee Facility Name: _____
 Product Trade Name: _____
 Product Manufacturer: _____
 Active Ingredients:

Ingredient Name*	CAS Number**	%wt or % vol
* Must be provided unless noted to be proprietary information		
** If available		

Is this product replacing another additive (if yes, include product name)? Yes No
 Current Product Name: _____

B. Dosage or Application Information

Purpose of additive: _____
 Proposed dosage rate: _____ lbs/day
 Estimated maximum discharge concentration: _____ mg/L

C. Toxicity Test Results

Test Species	Toxicity Value Type	Toxicity Value	Toxicity Value Units

Print one copy of this page for each species that has been tested.**D. Toxicity Test Parameters**1. Parameters needed for **ALL** reviews

Test species:	<input type="checkbox"/> Ceriodaphnia species (specify: _____) <input type="checkbox"/> Daphnia species (specify: _____) <input type="checkbox"/> Pimephales promelas (fathead minnow) <input type="checkbox"/> Lepomis macrochirus (bluegill) <input type="checkbox"/> Oncorhynchus mykiss (rainbow trout) <input type="checkbox"/> Salvelinus fontinalis (brook trout)								
Test method:	<input type="checkbox"/> WI certified WET testing lab/method <input type="checkbox"/> EPA method (select from those listed below) <table border="0"> <tr> <td><input type="checkbox"/> Acute-2002.0</td> <td><input type="checkbox"/> Chronic-1000.0</td> </tr> <tr> <td><input type="checkbox"/> Acute-2021.0</td> <td><input type="checkbox"/> Chronic-1001.0</td> </tr> <tr> <td><input type="checkbox"/> Acute-2000.0</td> <td><input type="checkbox"/> Chronic-1002.0</td> </tr> <tr> <td><input type="checkbox"/> Acute-2019.0</td> <td><input type="checkbox"/> Chronic-1003.0</td> </tr> </table> <input type="checkbox"/> Other (additional information needed; see part D2)	<input type="checkbox"/> Acute-2002.0	<input type="checkbox"/> Chronic-1000.0	<input type="checkbox"/> Acute-2021.0	<input type="checkbox"/> Chronic-1001.0	<input type="checkbox"/> Acute-2000.0	<input type="checkbox"/> Chronic-1002.0	<input type="checkbox"/> Acute-2019.0	<input type="checkbox"/> Chronic-1003.0
<input type="checkbox"/> Acute-2002.0	<input type="checkbox"/> Chronic-1000.0								
<input type="checkbox"/> Acute-2021.0	<input type="checkbox"/> Chronic-1001.0								
<input type="checkbox"/> Acute-2000.0	<input type="checkbox"/> Chronic-1002.0								
<input type="checkbox"/> Acute-2019.0	<input type="checkbox"/> Chronic-1003.0								
Test type:	<input type="checkbox"/> Static non-renewal <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through								
Control response:	<input type="checkbox"/> $\geq 90\%$ survival <input type="checkbox"/> Other (Note: if this is selected, this data cannot be used)								

2. Parameters needed when using “**other**” test methods

Dilution water:	<input type="checkbox"/> Moderately hard synthetic water <input type="checkbox"/> Synthetic water <input type="checkbox"/> Receiving water <input type="checkbox"/> Ground water <input type="checkbox"/> Other (Specify: _____)
Number of test concentrations:	
Dilution series:	
Water chemistry analyses (check all that apply):	<input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input type="checkbox"/> Hardness <input type="checkbox"/> Alkalinity
Temperature:	<input type="checkbox"/> 12 ± 1 °C <input type="checkbox"/> 20 ± 1 °C <input type="checkbox"/> 25 ± 1 °C <input type="checkbox"/> Other (Specify: _____)
Number of organisms per test chamber:	
Number of replicate chambers per concentration:	
Number of organisms per concentration:	
Method for calculating the response endpoint:	