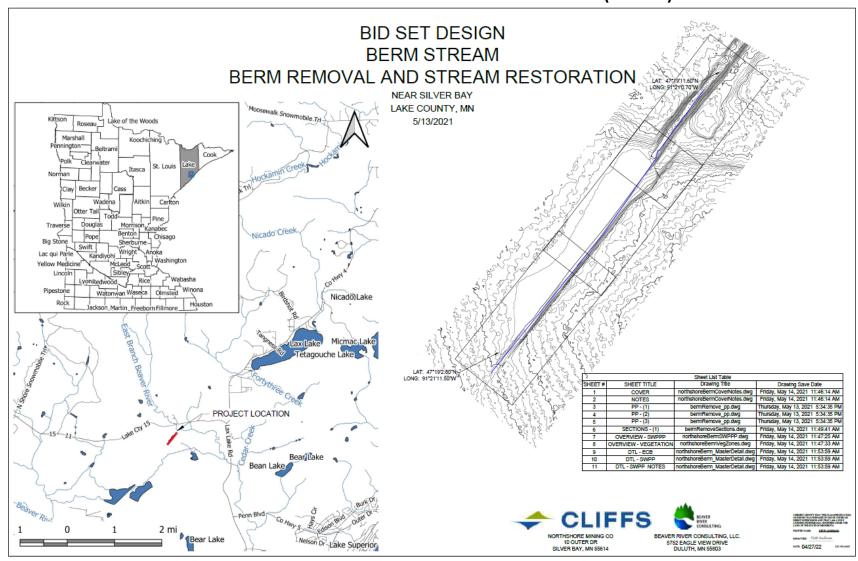
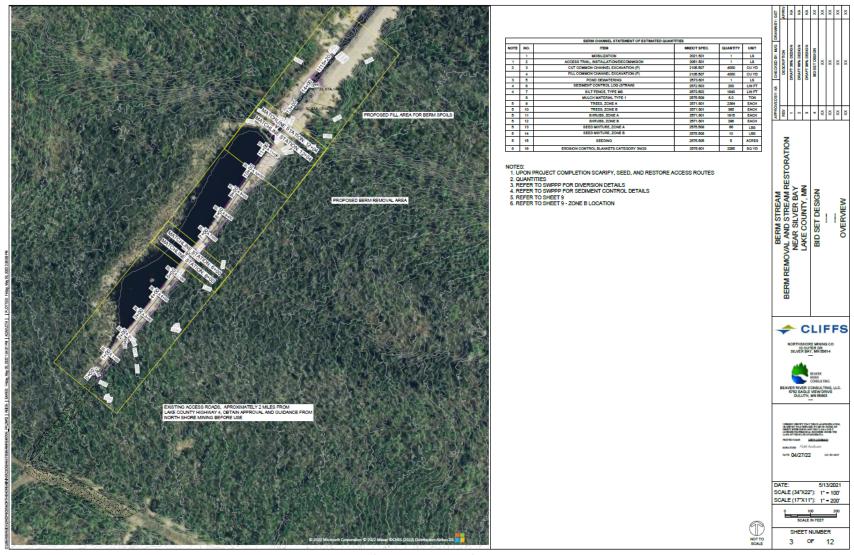
MILE POST 7/STREAM MITIGATION PROJECT EAW

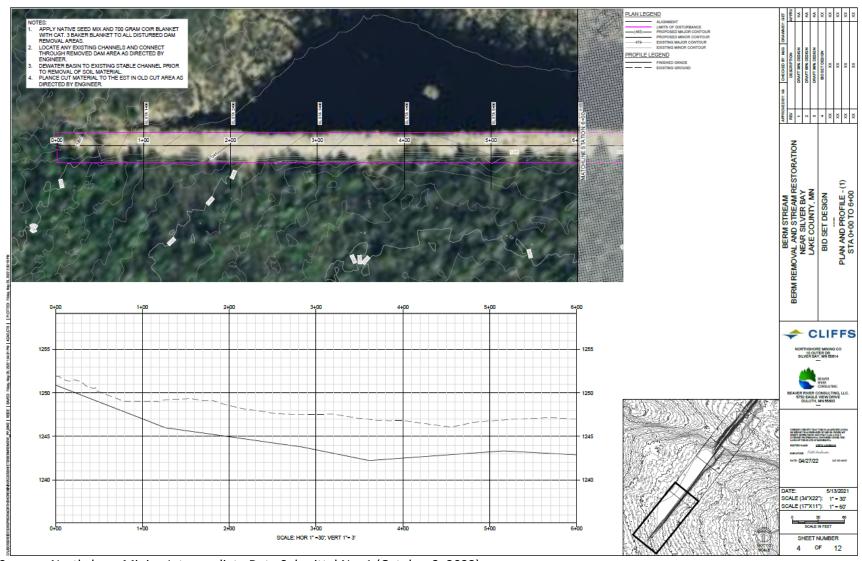
APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 1)



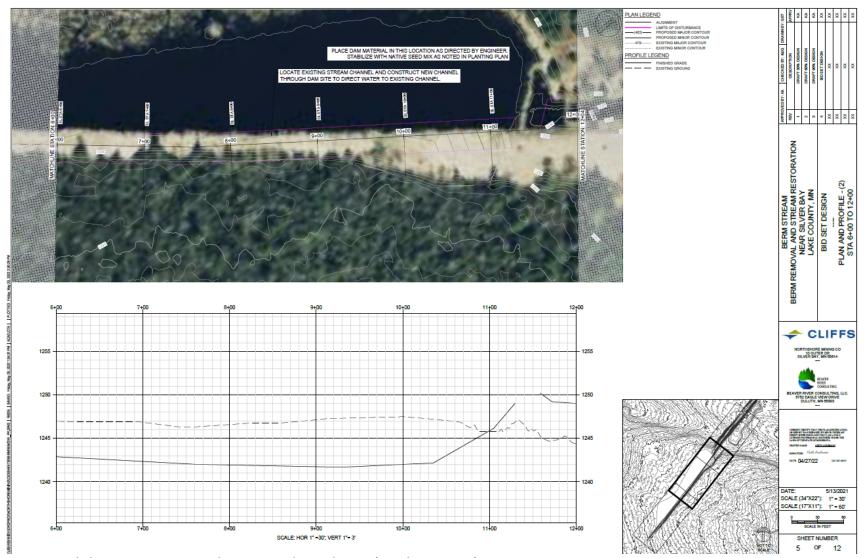
MILE POST 7/STREAM MITIGATION PROJECT EAW APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 2)



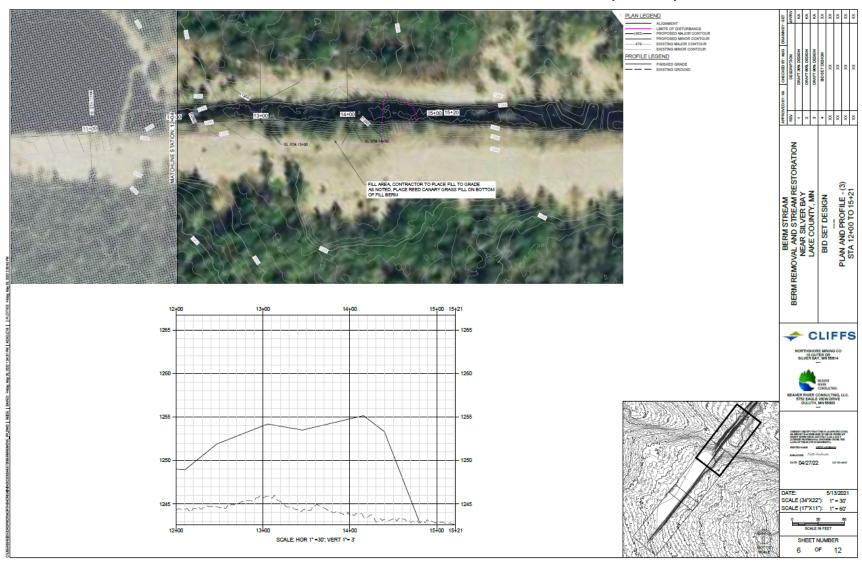
MILE POST 7/STREAM MITIGATION PROJECT EAW APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 3)



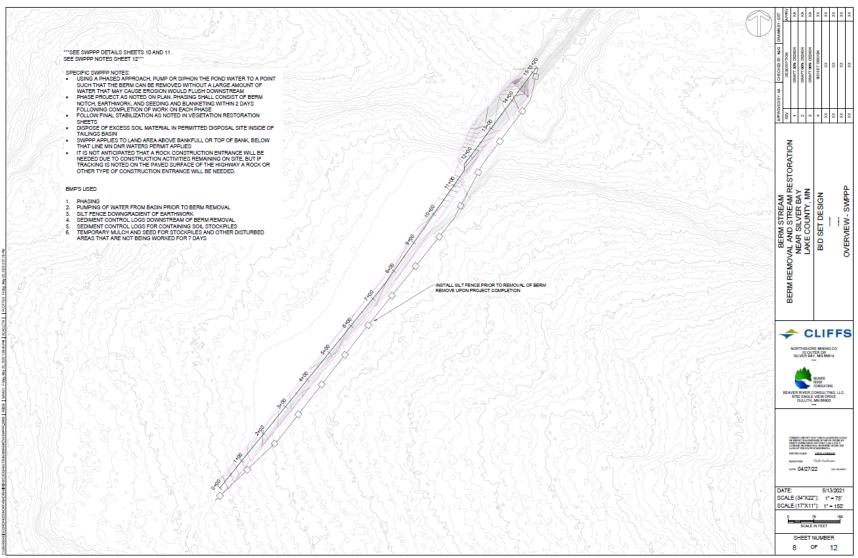
MILE POST 7/STREAM MITIGATION PROJECT EAW APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 4)



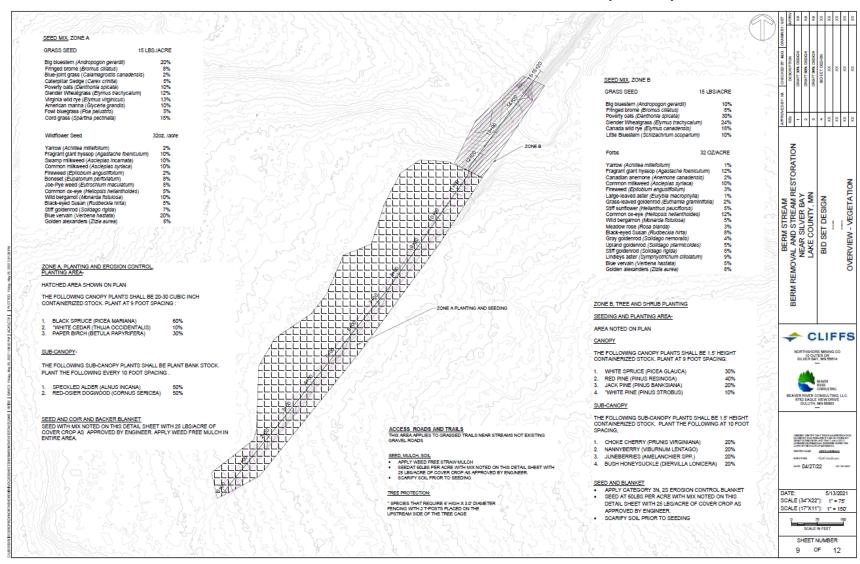
MILE POST 7/STREAM MITIGATION PROJECT EAW APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 5)



MILE POST 7/STREAM MITIGATION PROJECT EAW APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 6)



MILE POST 7/STREAM MITIGATION PROJECT EAW APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 7)



MILE POST 7/STREAM MITIGATION PROJECT EAW APPENDIX D: Bid Set for Berm Stream Berm Removal and Stream Restoration (Sheet 8)

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	UNNAMED TRIBUTARY OF THE EAST BRANCH BEAVER RIVER BERM CHANNEL	STORMWATER POLLUTION PREVENTION PLAN FOR THE UNNAMED TRIBUTARY OF THE EAST BRANCH BEAVER RIVER BERM CHANNEL RESTORATION PROJECT	POTENTIAL	APPRV	2 2	ž	××	i × !	××
	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	PROJECT INFORMATION:	C. SEDIMENT CONTROL PRACTICES	MBY	П	Т	П	П	
	SWPPP PREPARATION DATE:	THE PROJECT INVOLVES THE RESTORATION OF ONE REACH OF AN UNMAILED TRIBUTARY OF THE EAST BRANCH BEAVER RIVER BERM REMOVAL AND REGRADING, FLOODFLAIN EXCAVATION AND CHANNEL CONNECTIVITY WILL BE PERFORMED TO ALLOW THE STREAM TO BE IMPROVED TO A NATURAL CONDITION THROUGH CONNECTIVITY.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING SEDMENT CONTROL PRACTICES: 1. DUE TO THE LOCATION AND UNIQUE NATURE OF THE PROJECT WORKING IN THE STREAMS, DOWNGRADIENT SEDMENT CONTROL IS NOT FEASIBLE, ALL EFFORTS WILL BE IMPGET O CONTROL SEDMENT BY PHASING THE	na DRA	z z	N N			
	SWPPP CONTACT KEITH ANDERSON, BEAVER RIVER CONSULTING	PROJECT DESCRIPTION:	STREAM PROJECT AS NOTEO IN THE PLANS AND STABILIZING AND DIVERTING THE WATER DURING CONSTRUCTION. 2. TIRMING AND INSTALLATION OF SEDIMENT CONTROL DEVICES CAN BE ADJUSTED BY CONTRACTOR TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING AND GRUBBING OR VEHICLE PASSAGE, ANY SHORT	PTON	8	90			
- 1	5752 EAGLE VIEW DRIVE DULUTH,MN 55803	THIS PROJECT INVOLVES RESTORING STREAM CONNECTIVITY AND FLOODPLAIN CONNECTIVITY TO PREVIOUSLY BERMED AND DIVERTED CHANNEL BY REMOVING THE BERM AND IMPOUNDMENT. CONNECTING THE STREAM TO ITS	TERM ACTIVITY MUST BE COMPLETED AS QUICKLY AS POSSIBLE AND THE SEDIMENT CONTROL PRACTICES MUST BE INSTALLED IMMEDIATELY AFTER THE ACTIVITY IS COMPLETED AND IN ALL CASES PRIOR TO THE NEXT PRECIPITATION	ECKE	8 8	FT 900	8 8	2 3	2
	218-626-7450	HISTORICAL CHANNEL AND RESTORING FLOODPLAIN PROCESSES THUS ENHANCING HYDROLOGY, HYDRAULICS AND FISH HABITAT. THE BERM REMOVAL AND CHANNEL CONNECTIVITY WILL BE COMPLETED ON A PHASING SCHEDULE	EVENT. 3. TEMPORARY SOIL STOCKPILES MUST HAVE SILT FENCE/TOP SOIL BERMS OR OTHER EFFECTIVE SEDIMENT	8 0	8	8 8	Ш		
	NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT NUMBER:	THAT WILL BE DEVELOPED AT THE PRE-CONSTRUCTION MEETING AND ALONG WITH CORRESPONDING SWPPP AMENDMENTS.	CONTROL. SOIL STOCKPILES SHALL NOT BE PLACED WITH IN SURFACE WATERS OR STORMWATER CONVEYANCES. ALL STOCKPILES THAT WILL NOT BE DISTURBED FOR ONE MONTH OR LONGER SHALL BE PROTECTED FROM EROSION BY CONTRACTOR USING A COVER OF MULCH, EROSION CONTROL MATS OR PLASTIC SHEETING.	DBY: MA					
	CHAIN OF RESPONSIBILITY:	THE TOTAL DISTURBED AREA FOR THE PROJECT IS 2.2 ACRES. THE TOTAL AREA OF IMPERVIOUS SURFACE PROJECT O ACRES. THE TOTAL AREA OF IMPERVIOUS SURFACE POST PROJECT 0 ACRES.	CONTRACTOR SHALL IMPLEMENT MEASURES TO CONTROL VEHICLE TRACKING OFFSITE IF NECESSARY. D. DEWATERING AND BASIN DRAINING (IF APPLICABLE)	AND AN	- 01	w 4	8 8	2 × ×	×
	BY SIGNING BELOW, ALL PARTIES AGREE TO FOLLOWING THE SWPPP SETFORTH.	SEE INDEX FOR PLANS, DETAILS, SPECIFICATIONS, PHASING PLAN	CONTRACTOR'S DEWATERING ACTIVITIES THAT HAVE SEDIMENT-LADEN DISCHARGE MUST DISCHARGE INTO A	5 2	ш	+		Ш	-
	OWNER:	REGULATORY CONTEXT:	TEMPORARY OR PERMANENT SEDIMENTATION BASIN OR THROUGH SOME FORM OF BMP, SUCH AS A FILTER BAG, BY CONTRACTOR TO LIMIT SEDIMENT FROM LEAVING THE SITE TO ENSURE EFFLUENT WATER IS FREE OF SEDIMENT.	_					
	PHONE#:	SPECIAL OR IMPAIRED WATERS: THIS PROJECT DOES DISCHARGE TO SPECIAL WATERS, EAST BRANCH BEAVER RIVER. IN ADDITION TO THE MAIN STEM OF THE BEAVER RIVER WHICH IS AN MINNESOTA POLLUTION CONTROL	I. DEWATERING PLANS SHALL BE FURNISHED TO SWPPP PERSONNEL AT TIME OF CONSTRUCTION. II. DEWATERING DISCHARGE POINTS MUST BE DISPERSED OVER PLYMOOD, NATURAL RIPRAP.	NO.					
	OPERATOR:	AGENCY (MPCA) IMPARED WATER.	SANDBAGS, PLASTIC SHEETING, OR OTHER ACCEPTED ENERGY DISSIPATING MEASURES IN A NON-EROSIVE MANNER.	ORAT					
	SWPPP DESIGNER: KEITH ANDERSON, KEITH@BEAVERRIVERCONSULTING.COM PHONE#: CELL 218-626-7450	THIS PROJECTS STORM WATER DISCHARGE IS NOT ANTICIPATED TO IMPACT ANY OF THE FOLLOWING: OUTSTANDING RESOURCE VALUE WATERS, CALCAREOUS FENS, PROPERTIES LISTED BY THE NATIONAL REGISTER OF HISTORIC	III. DEWATERING BMPS SHALL BE INSPECTED BY THE CONTRACTOR PERIODICALLY DAILY AND IMMEDIATELY MAINTAINED OR REPAIRED IF SEDIMENT-LADEN WATER IS BEING DISCHARGED.	2					
	SWPPP INSPECTOR/MANAGER:	PLACES OR ARCHAEOLOGICAL SITES AND IS NOT SUBJECT TO ADDITIONAL REGULATIONS DUE TO ANY PORMAL ENVIRONMENTAL REVIEW, ENDANGERED OR THREATENED SPECIES. WETLANDS DELINEATED AND IMPACT OF COORDINATED WITH ARMY CORPS OF ENGINEERS (USACE) ALONG WITH THE WETLAND CONSERVATION ACT (NICA)	E. SWPPP PERSONNEL SHALL BE RESPONSIBLE FOR PERFORMING THE FOLLOWING INSPECTIONS AND MAINTENANCE:	REST				S	1
	PHONE#:	PANEL.	MAINTENANCE: 1. ALL NONFUNCTIONAL BMPS SHALL BE REPAIRED, REPLACED WITHIN 24 HOURS AFTER DISCOVERY. CONTRACTOR	ΣΣ	¥ Z		5	NOT	5
	CONSTRUCTION SWPPP DESIGNATE:	DEPARTMENT OF NATURAL RESOURCES (DNR) HAS AUTHORITY OF WORK BELOW ORDINARY HIGH WATER LEVEL. PUBLIC WATERS WORK PERMIT SHALL BE OBTAINED AND ADHERED TO.	SHALL PLACE ANY ADDITIONAL EROSION CONTROL MEASURES DEEMED NECESSARY BY THE ENGINEER WITH 24 HOURS OF NOTICE.	ÄÄ	ã≧		ă	2	Ĺ
	PHONE#: ESTIMATED PROJECT DATES:	STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IMPLEMENTATION RESPONSIBILITIES:	 THE SWPPP INSPECTOR MUST ROUTINELY INSPECT THE SITE ONCE EVERY 7 DAYS DURING ACTIVE CONSTRUCTION AND WITH 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. ALL SILT MUST BE REMOVED FROM SILT FENCE BY CONTRACTOR WHEN IT REACHES A HEIGHT EQUAL TO 	BERM STREA	35		<u> </u>	SWPP	;
>	PROJECT START DATE: / / PROJECT END DATE: / /	THE OWNER AND CONTRACTOR ARE IDENTIFIED BY THE BID DOCUMENTS. CONTRACTOR SHALL VERIFY THAT ALL PERMITS HAVE BEEN OBTAINED.	ONE-THIRD OF THE HEIGHT OF THE SILT FENCE. CONTRACTOR SHALL REPAIR SILT FENCE THAT IS NONFUNCTIONAL WITH 24 HOURS OF DISCOVERY.	M C	8 2				
230.61	WATER BODY: UNNAMED TRIBUTARY OF THE EAST BRANCH BEAVER RIVER, LAKE	 CONTRACTOR SHALL PERFORM SITE INSPECTIONS, RECORD KEEPING AND RECORD RETENTION IN ACCORDANCE WITH ALL PERMITS. 	 INSPECTIONS CAN BE SUSPENDED DUE TO FROZEN GROUND CONDITIONS UNTIL FIRST RUNOFF OCCURS OR CONSTRUCTION ACTIVITIES RESUME. 	E E	图器			DETAIL	į
20,3002	COUNTY MN	 CONTRACTOR SHALL INSTALL ALL SEDIMENT CONTROL BEST-MANAGEMENT-PRACTICES (BMP) AND CONSTRUCTION ENTRANCES PRIOR TO SITE GRADING, EXCAVATION, STOCKPILING OR DISTURBING EXISTING VEGETATIVE COVER. 	F. POLLUTION PREVENTION MEASURES	NOW N		'		9	
ky, May	DNR WORK RESTRICTIONS: JULY 1-SEPTEMBER 15TH WITHOUT AMENDMENT	5. CONTRACTOR SHALL PERFORM SITE GRADING, EXCAVATION, STOCKPILING WORK IN ACCORDANCE WITH SWPPP. 6. CONTRACTOR SHALL INSTALL INSPECT MONITOR AND MAINTAIN TEMPORARY AND PERMANENT PROBLEM.	CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING POLLUTION MANAGEMENT MEASURES ON THE SITE:	REM					
ED: File	MN DNR SPECIAL WATERS, ENSURE ANY EQUIPMENT WORKING IN THE WATER HAS BEEN WASHED AND IS FREE OF EXIOTIC SPECIES	CONTROL BMP AS SHOWN ON PLANS, CONTINUOUSLY DURING DURATION OF WORK. 7. CONTRACTOR SHALL INITIATE SOIL STABILIZATION IMMEDIATELY AND STABILIZE ALL EXPOSED SOILS WITHIN 7	 SOLID WASTE: COLLECTED SEDIMENT, ASPHALT, CONCRETE MILLINGS, FLOATING DEBRIS, PAPER, PLASTIC, FABRIC, CONSTRUCTION AND DEMOLITION DEBRIS AND OTHER WASTES MUST BE DISPOSED OF PROPERLY AND 						
PLOT	THE DESTREE OF EACH OF COLD	DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARLLY OR PERMANENTLY CEASED. 8. CONTRACTOR SHALL REPLACE OR REPAIR EROSION CONTROL AND SEDIMENT CONTROL BMPS IMMEDIATELY IF IT	MUST COMPLY WITH MPCA DISPOSAL REQUIREMENTS. 2. HAZARDOUS MATTERIAL: HAZARDOUS SUBSTANCES MUST BE STORED IN APPROPRIATE CONTAINERS AND STEPS IMPLEMENTED TO PREVENT SPLLS. LEAKS, AND VANDALISM.	BERM					
STB		 CONTRACTOR SHALL REPLACE OR REPAIR ENDISON CONTROL AND SEDIMENT CONTROL BMPS IMMEDIATELY FIT IS FOUND THAT THEY ARE NOT FUNCTIONING PROPERLY. CONTRACTOR SHALL PERFORM SITE RESTORATION ACTIVITIES FOR PERMANENT VEGETATION ESTABLISHMENT. 	IMPLEMENTED TO PREVENT SPILLS, LEANS, AND VANDALISM. 3. ADEQUATE SUPPLIES TO CLEAN UP SPILLS MUST BE AVAILABLE ON SITE. 4. NO VEHICLE DEGREASING ON SITE.	_					
ACAC		 CERTIFIED SWPPP INPECTOR/MANAGER IDENTIFIED AT THE PRECONSTRUCTION MEETING SHALL INSPECT THE ENTIRE PROJECT AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS 	G. INVASIVE SPECIES PREVENTION AND MANAGEMENT MEASURES						_
13422 PM		AFTER A RAINFALL EVENT GREATER THAN D.S INCHES IN 23 HOURS. 11. INSPECTIONS SHALL BE CONDUCTED WITH THE PROVIDED SWPPP INSPECTION WORKSHEET. 12. REDUNDANT SIMP SHALL BE INSTALLED IF FREQUENT FAILURE OR EXCESSIVE MAINTENANCE IS NOTED AND SWPPP WILL BE AMENIDED TO THAT EFFECT.	CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING INVASIVE SPECIES MANAGEMENT MEASURES ON THE SITE:	-	(CL	IF	FS	3
20,202		SWIPPY WILL BE AMERICED THAT EFFECT. 13. CONTRACTOR SHALL REMOVE SEDIMENT CONTROL DEVICES AT COMPLETION OF PROJECT AND SUBMIT A NOTICE OF TERMINATION TO MINNESOTA POLLUTION CONTROL AGENCY.	1.BEFORE ARRIVING ONSITE, INSPECT THE EQUIPMENT AND REMOVE ANY VISIBLE PLANTS, SEEDS, MUD, AND DIRT. 1.DENTIFY INVASIVE SPECIES AT OR NEAR PROJECTS AND IDENTIFY A SITE-LEVEL IMMAGEMENT PLAN INCLUDING:		ORTHSH 10 C SILVER I				
loy, Mey		 CONTRACTOR SHALL ENSURE THAT THE PUBLIC WATERS PERMIT STIPULATIONS ARE FOLLOWED. 	A. AWARENESS: CEHCK EACH PROJECT SITE FOR INVASIVE SPECIES PRIOR TO ACTIVITY B. MINIMIZE SPREAD BY SEGREGATING WORK ACTIVITY FROM OTHER POSSIBLE WORK ON PROPERTY		SILVER	BAY, M	N 55614		
ED FI		RECORD RETENTION 1. SWPPP RECORDS SHOULD BE MAINTAINED BY OWNER FOR THREE YEARS AFTER FINAL STABILIZATION.	C. MINMIZE IMPACTS OF INVASIVE SPECIES IN RESTORATION EFFORT 3. BEFORE LEAVING THE WORK SITE, INSPECT THE EQUIPMENT AND REMOVE VISIBLE PLANTS, SEEDS, MID AND DIRT. 4. BEFORE LEAVING AN AQUATIC WORK SITE, DRAIN WATER FROM ALL EQUIPMENT, TANKS, OR WATER-RETAINING			DE AL	T.S.		
8		2. CHANGES MADE TO SWPPP PLAN IMPLEMENTATION SHALL BE RECORDED AS SWPPP AMENDMENTS WITH 24 HOURS.	COMPONENTS. S. AFTER WORKING ONSITE, CLEAN AND DRY EQUIPMENT PRIOR TO USING IT IN OTHER LOCATIONS.				R SULTING		
8		 SWPPP AMENDMENTS SHALL BE ACCOMPANIED BY NOTIFICATION OF CHANGES TO SWPPP INSPECTORMANAGER. A COPY OF SWPPP PLAN SHALL BE MAINTAINED ON SITE OR IN CONSTRUCTION VEHICLE DURING ACTIVE. 	H. FINAL STABILIZATION	BEAV	752 EAG DULUT	LE VIE	W DRIVE 55803	ille.	
ETAL DW		CONSTRUCTION. 4. INSPECTIONS WILL BE RECORDED WITH 24 HOURS IN WRITING AND RETAINED WITH SWPPP RECORD IN A DEBIGNATED LOCATION.	 ALL DISTURBED AREAS SHALL BE STABILIZED BY USING COR MAT, EROSION CONTROL BLANKETS, MULCH, OR HYDROSEEDED AS PER VEGETATIVE DETAILS SHEETS 			_			-
Water		CONSTRUCTION ACTIVITY FIELD REQUIREMENTS:	ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED BY SEED, SHRUBS, AND TREES AS SPECIFIED IN PLANS. TEMPORARY SEDIMENT EROSION CONTROL BMPS SHALL BE REMOVED AT PROJECT CLOSEOUT.	5 mg	MAY CHATTP	Y TRAIT IN	Print & D	OFFICE MY	
EMONE IN		A ALL FIELD REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SWPPP. 1. THE CONTRACTOR MUST IMPLEMENT SWPPP AND PROVIDE BMPS IDENTIFIED IN THE SWPPP IN AN APPROPRIATE AND FLINCTIONAL MANNER.	3. TEMPOVARI GENERALI ENDOICH CONTROL BIPG SPIEL DE REMOVED NI PROJECT GEOSCOTI.	DBI CAR PAG	TE NAME	MEDICAL B	DIATIANA MEMBER MEMBER MANDEN	100.700	
BERNA	ASSOCIATED DOCUMENTS: CERTIFICATION OF TRAINING(S)	AND FUNCTIONAL MANNER. 2. THE CONTRACTOR SHALL RESPOND TO CHANGING SITE CONDITIONS AND IMPLEMENT/SUPPLEMENT EROSION PREVENTION AND SEDIMENT CONTROL MEASURES UTILIZED TO PROVIDE ADEQUATE PROTECTION OF DISTURBED			» 04/27		Cadeum	r Tables	
8HEETS	PROJECT PLANS PROJECT DETAILS	SOILS AND ADEQUATE PREVENTION OF SEDIMENT TRANSPORT OFF-SITE. AT A MINIMUM, THE FOLLOWING STORM WATER POLLUTION PREVENTION CONSTRUCTION FIELD REQUIREMENTS SHALL BE FURNISHED BY THE			04121				
00000	SWPPP AMENDMENTS CONTRACTOR SHOP DRAWING OF BMPS LOCATIONS AND TIMING: TO BE ATTACHED AT	CONTRACTOR. B. EROSION PREVENTION PRACTICES							
NEW.	PRECONSTRUCTION MEETING DIVERSION PLANS: TO BE ATTACHED AT PRECONSTRUCTION MEETING	THE CONTRACTOR SHALL ATTEMPT TO PHASE ALL WORK TO MINIMIZE EROSION AND MAINTAIN VEGETATION		DATE:			5/13/2	2021	-
ж	DEWATERING PLANS: TO BE ATTACHED AT PRECONSTRUCTION MEETING STAGING PLANS: TO BE ATTACHED AT PRECONSTRUCTION MEETING	COVER TO THE EXTENT POSSIBLE. 2. ALL EXPOSED SOILS WITH PERIMETER CONTROL BMPS MUST BE STABILIZED NO LATER THAN 7 DAYS AFTER THE		L					
BOKW.	NPDES PERMIT PUBLIC WATERS WORK PERMIT	CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARLLY OR PERIMANENTLY CEASED, INCLUDING STOCKPILES WITH SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS. 3. TEMPORARY OR PERIMANENT ENERGY DISSIPATION AT IPPE OUTLETS MUST BE PROVIDED WITHIN 24 HOURS OF				NTS			
95090	INSPECTION REPORTS	I TEMPORARY OR PERMANENT ENEMBY DISSIPATION AT PIPE OUTLETS MUST BE PROVIDED WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER. TOPSOIL WILL BE SALVAGED AND STOCKPILED FOR REAPPLICATION SO AS TO ENSURE MAXIMUM GROWTH							_
34846				1	SHEET				
C108				1	2	OF.	12	2	_