

Purchasing Division Finance Department

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Addendum 1 Solicitation 23-99144 Enger Golf Course Improvements - Earthwork

This addendum serves to notify all bidders of the following changes to the solicitation documents:

- Bidders requesting CAD files must review and complete the bottom half of the attached Conditions of Release for Electronically-Transmitted Drawings and submit it to trent@nce-duluth.com.
- 2. Please see attached for additional changes to the solicitation.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the <u>www.bidexpress.com</u> solicitation.

Posted: March 29, 2023

Addendum: #1

ENGER GOLF COURSE IMPROVEMENTS - EARTHWORK

ADDENDUM NUMBER 1

DATE:	March 27, 2023
City of Duluth #:	23-99144
OWNER:	City of Duluth, 1532 W. Michigan St, Duluth MN 55806
CONSULTANT:	SAS+Associates 219 West First Street, Suite 350 Duluth, MN 55802
TO:	Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated March 1, 2023 with amendments and additions noted below.

Acknowledge receipt of this Addendum within the Bid Express solicitation. Failure to do so may disqualify the Bidder.

This Addendum consists of 1 page and attached Civil plan sheets C1.0-C4.0 (4 pages) AND a Conditions of Release for Electronically-Transmitted Drawings Form (1 page).

CLARIFICATION

+ ASSOCIATES

- 1) See attached Civil plan sheets C1.0, 2.0, 3.0 & 4.0 for clarification on work scope breakdown between Earthwork and Irrigation Contractors. All revisions are indicated with clouds. These sheets shall replace the like pages from the original bid documents.
- 2) Trees have been cut on the project site ahead of construction starting; because this was done with snow on the ground, clearing and grubbing of stumps/branches/etc. will need to be completed by the Earthwork Contractor.
- 3) If Contractors want access to digital files of the Earthwork drawings, the attached release form will allow for transmittal of that file.

ATTACHMENTS

Civil sheets C1.0-C4.0 (4) AND Conditions of Release for Electronically-Transmitted Drawings (1).

END OF DOCUMENT





4" BADGER E-SERIES

ULTRASONIC METER

- 4" GATE VALVE

TO AUTOMATED VALVE

IRRIGATION \

CONTRACTOR

RESPONSIBLE FOR -CONNECTING HDPE

MAIN TO THIS VALVE. \sim

DUCTILE PIPE ---/

 $\begin{pmatrix} 5\\ C1.0 \end{pmatrix}$

& ADAPTER BOX

GENERAL CIVIL NOTES

A. BITUMINOUS MIX DESIGN

B. CONCRETE MIX DESIGN

SHOP DRAWINGS

SHOP DRAWINGS FOR THE FOLLOWING ITEMS, BUT NOT LIMITED TO, SHALL BE SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION IF APPLICABLE;

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION

GOVERNING SPECIFICATIONS THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' SHALL GOVERN. AVAILABLE AT: http://www.dot.state.mn.us/pre-letting/spec/index.html UTILITY DETAIL LEVEL

8" AGGREGATE BASE (CV), CLASS 6 MnDOT 2211

SEE NOTE 5-

GENERAL NOTES

BONNET BOLTS.

С.	STORM SEWER COMPONENTS
D.	WATER MAIN COMPONENTS
Ε.	SANITARY SEWER COMPONENTS
F.	CONCRETE STRUCTURES
G.	STORM WATER TREATMENT MATERIALS
Η.	GEOSYNTHETIC PRODUCTS

DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD; THEREFORE, THEY SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY THE ENGINEER OF RECORD. CONTRACTOR SHALL REVIEW DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION, AND ALL SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. SUBMITTALS SHALL INCLUDE ONE ELECTRONIC COPY TO BE MARKED AND RETURNED.

SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATION SHALL CONTROL AND SHALL BE FOLLOWED.

UTILITIES

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS TO UTILITY LEVEL "D" AS DEFINED BY CI/ASCE 38-02. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "GSOC" AT (1-800-252-1166) TWO WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

GEOTECHNICAL & MATERIAL TESTING

THE CONTRACTOR SHALL VERIFY RECOMMENDATIONS NOTED IN THE GEOTECHNICAL REPORT PRIOR TO INSTALLATION OF SITE IMPROVEMENT MATERIALS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE GEOTECHNICAL REPORT AND THE PLANS.

OWNER HAS OPTION TO COMPLETE QUALITY ASSURANCE OF MATERIAL TESTING. MATERIAL TESTING SHALL FOLLOW THE MnDOT SCHEDULE OF MATERIAL CONTROL UNLESS NOTED IN THE CONTRACT DOCUMENTS.

AMERICANS WITH DISABILITY ACT (ADA)

ALL PEDESTRIAN FACILITIES ON THIS PROJECT MUST BE CONSTRUCTED ACCORDING TO PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) WHICH CAN BE FOUND AT: http://www.dot.state.mn.us/ada/pdf/PROWAG.pdf and MnDOT STANDARD PLANS 5-297.250 & 5-297.254

THE CONTRACTOR MUST DESIGNATE A RESPONSIBLE PERSON COMPETENT IN ALL ASPECTS OF PROWAG TO ASSESS PROPOSED SIDEWALK LAYOUT AT EACH SITE BEFORE WORK BEGINS. THE DESIGNATED PERSON MUST HAVE ATTENDED THE MnDOT ADA CONSTRUCTION CERTIFICATION COURSE AND RECEIVED A PASSING SCORE, WITHIN THE PAST 3 YEARS. FOR CLASS DATES AND LOCATIONS PLEASE REFER TO THE FOLLOWING LINK AT: http://www.dot.state.mn.us/ada/training.html. A MINIMUM OF ONE PERSON PER PROJECT MUST POSSESS A VALID ADA CONSTRUCTION CERTIFICATION CARD ANYTIME ADA WORK IS BEING PERFORMED ON THE PROJECT. IF WORK ON ELECTRICAL COMPONENTS IS THE ONLY ADA WORK TAKING PLACE ON THE PROJECT THE ELECTRICIAN MUST HAVE IN THEIR POSSESSION A CURRENT MnDOT SIGNALS AND LIGHTING CERTIFICATION.

THE CONTRACTOR AND THE ENGINEER SHALL WORK TOGETHER TO CONSTRUCT ALL PEDESTRIAN FACILITIES SET FORTH IN THE PLANS AND REQUIREMENTS OF PROWAG.

IF THE PLAN OR SITE CONDITIONS DO NOT ALLOW ACCESSIBILITY STANDARDS TO BE MET, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER TO DETERMINE A RESOLUTION. THE ENGINEER SHALL RESPOND TO THE CONTRACTOR, IN A TIMELY MANNER (UP TO 24 HOURS), WITH A SOLUTION ON HOW TO PROCEED. THE CONTRACTOR SHALL MITIGATE ANY POTENTIAL DELAYS BY PROGRESSING OTHER AVAILABLE WORK ON THE PROJECT.

IF THE CONTRACTOR CONSTRUCTS ANY PEDESTRIAN FACILITIES THAT ARE NOT PER PLAN, DO NOT MEET THE REQUIREMENTS OF PROWAG, OR DO NOT FOLLOW THE AGREED UPON RESOLUTION WITH THE ENGINEER, THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING THE DEFICIENT FACILITIES WITH NO COMPENSATION PAID FOR THE CORRECTIVE WORK.

SURVEY STAKES & BENCHMARKS

THE CONTRACTOR IS RESPONSIBLE FOR ALL STAKING OPERATIONS UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.

IF NOTED IN THE CONTRACT DOCUMENTS FOR THE OWNER TO PROVIDE STAKING OPERATIONS, THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST 72 HOURS NOTICE IN WRITING BEFORE REQUIRING ANY SURVEYS OR CONSTRUCTION STAKES TO BE SET, OR BEFORE COMMENCING WORK ON ANY PORTION OF THE CONTRACT, OR AT ANY NEW PLACE, AS WELL AS AT ANY PLACE WHERE WORK HAS BEEN RELINQUISHED OR STOPPED FOR ANY CAUSE.

THE CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL SUCH STAKES AND BENCH MARKS IN THEIR PROPER POSITIONS, AND IN CASE OF ANY OF THEM BEING LOST, DESTROYED, OR OBLITERATED AFTER ONCE HAVING BEEN GIVEN, THE CONTRACTOR SHALL AT ONCE NOTIFY THE OWNER IN WRITING AND ALL EXPENSE INCURRED BY THE OWNER IN REPLACING THE SAME MAY BE CHARGED AGAINST THE CONTRACTOR AND DEDUCTED FROM THE ESTIMATES.

ENGINEER'S AUTHORITY

THE ENGINEER SHALL GIVE ALL ORDERS AND DIRECTIONS CONTEMPLATED UNDER THIS CONTRACT AND SPECIFICATIONS RELATIVE TO THE EXECUTION OF THE WORK. THE ENGINEER SHALL DETERMINE THE AMOUNT, QUALITY, ACCEPTABILITY, AND FITNESS OF THE SEVERAL KINDS OF WORK AND MATERIALS WHICH ARE TO BE PAID FOR UNDER THIS CONTRACT AND SHALL DECIDE ALL QUESTIONS WHICH MAY ARISE IN RELATION TO SAID WORK AND THE CONSTRUCTION THEREOF.





1 HAUL ROAD TYPICAL SECTION SCALE: 1" = 12





THE ENGINEER'S ESTIMATES AND DECISIONS SHALL BE FINAL AND CONCLUSIVE, EXCEPT AS HEREIN OTHERWISE EXPRESSLY PROVIDED. IN CASE ANY QUESTIONS SHALL ARISE BETWEEN THE PARTIES HERETO RELATIVE TO SAID CONTRACT OR SPECIFICATIONS, THE DETERMINATION OF DECISION OF THE ENGINEER SHALL BE A CONDITION PRECEDENT TO THE RIGHT OF THE CONTRACTOR TO RECEIVE ANY MONEY OR PAYMENT FOR WORK UNDER THIS CONTRACT AFFECTED IN ANY MANNER OR TO ANY EXTENT BY SUCH QUESTION.

THE ENGINEER SHALL DECIDE THE MEANING AND INTENT OF ANY PORTION OF THE SPECIFICATIONS AND OF ANY PLAN OR DRAWINGS WHERE THE SAME MAY BE FOUND OBSCURE OR BE IN DISPUTE. ANY DIFFERENCES OR CONFLICTS IN REGARD TO THEIR WORK WHICH MAY ARISE BETWEEN THE CONTRACTOR UNDER THIS CONTRACT AND OTHER CONTRACTORS PERFORMING WORK FOR THE OWNER SHALL BE ADJUSTED AND DETERMINED BY THE ENGINEER.

THE CONTRACTOR IS TO FURNISH THE ENGINEER OR SUPERVISOR WITH ALL REQUIRED ASSISTANCE TO FACILITATE THOROUGH INSPECTION, OR CULLING OVER REMOVAL OF DOUBTFUL OR DEFECTIVE MATERIAL, OR FOR THE THOROUGH EXAMINATION INTO ANY OF THE WORK PERFORMED, OR FOR ANY OTHER PURPOSE REQUIRED IN THE DISCHARGE OF THEIR DUTIES, FOR WHICH SERVICE NO ADDITIONAL ALLOWANCE WILL BE MADE. THE ENGINEER OR SUPERVISOR MAY STOP THE WORK ENTIRELY IF THERE IS NOT SUFFICIENT QUANTITY OF SUITABLE AND APPROVED MATERIALS ON THE SITE TO CARRY IT ON PROPERLY, OR FOR ANY GOOD AND SUFFICIENT CAUSE; ALSO TO SEE THAT ALL OF THE PROVISIONS OF THIS CONTRACT AND SPECIFICATION ARE FAITHFULLY ADHERE TO, AND SHALL HAVE THE POWER TO DISMISS ANY EMPLOYEE OF THE CONTRACTOR FOR INCOMPETENCE, INTOXICATION, WILLFUL NEGLIGENCE, OR DISREGARD OF ORDERS.

THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACTS OF OMISSIONS OF THE CONTRACTOR, OR ANY SUBCONTRACTORS, OR ANY OF THE THEIR SUPERINTENDENCE, AGENTS, OR EMPLOYEES.

CHANGES IN WORK

NO CHANGES IN THE WORK COVERED BY THE APPROVED CONTRACT DOCUMENTS SHALL BE MADE WITHOUT HAVING PRIOR WRITTEN APPROVAL BY THE ENGINEER.

GEOTECHNICAL NOTE: 1. REFER TO THE PROJECT GEOTECHNICAL EVALUATION REPORT FOR SOIL CONDITIONS AND RECOMMENDATIONS. -PREPARED BY: EPC Engineering & Testing -PROJECT NO. : 22G1589 -DATE : 2/16/22

SITE AND BUILDING SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT.

> METERS SHALL ALWAYS BE INSTALLED IN A HORIZONTAL POSITION VALVES SHALL BE GATE OR FULL-WAY BALL VALVES FOR METERS 3" AND LARGER, A STRAINER IS REQUIRED AHEAD OF METER UPSTREAM METER VALVE ON MULTIMETER INSTALLATIONS MUST BE LOCKABLE ATTACH BLOW OFF VALVE WITHIN FIVE FEET OF THE 6" SERVICE VALVE. ELECTROFUSION SADDLE SHALL BE MINIMUM TWO FEET FROM THE THRUST BLOCKING WHERE REQUIRED HDPE TO MJ ADAPTOR FITTING FOR THE SERVICE VALVE. $\begin{pmatrix} 4 \\ C1.0 \end{pmatrix}$ 1-1/4" BLOW OFF (VALVE BOX TYPE) ON WATER MAIN 4" WATER SERVICE METER







	MAP COORDINATE SYSTEM : ST. LOUIS COUNTY	TRANSVERSE MERCATOR SYSTEM OF 1996	N ANY FORM OR MANNER WHATSOEVER. NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY. WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION	AND CONSENT OF IRRIGATION CONSULTING, INC.		I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota. 02/27/23 Engineer: David G. Bolf Lic. No: 40926 Morthland Consulting Engineers L.L.P. Structural. Civil and Forensic Engineering Services www.nce-engineers.com
SCALE:	STATUS:	REVISIONS:	SHEET TITLE:	PROJECT NAME:	CLIENT NAME:	
1"=100'-0"		NO.: DATE: DESCRIPTION:				
DATE:		1 03-27-23 ADDENDUM 1	GRADING AND UTILITY PLAN	ENGER GOLF COURSE	ENGER GOLF COURSE	Irrigation
02-27-23						Ingation
SHEET NUMBER:				1801 W SKYLINE PKWY	1801 W SKYLINE PKWY	Consulting, Inc.
						www.irrigationconsulting.com
$\bigcirc J.0$				DULUTH, MN 55806	DULUTH, MN 55806	20 Merrit Parkway, 2nd Floor112 S. Old Statesville Road, Suite 109Nashua, NH 03062Huntersville, NC 28078
						(978) 433-8972 Fax (978)-433-2788 (704) 843-3688 Fax (704) 843-3511 e-mail: bvinchesi@irrigationconsulting.com e-mail: sgardner@irrigationconsulting.com

DESCRIPTION

 $\left(\frac{2}{C40}\right)$ SILT FENCE, TYPE HI

(FRACTURED)

FLOW DIRECTION

SWALE FLOWLINE

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

MANAGEMENT AND EROSION CONTROL:

3.) STORMWATER MANAGEMENT PLAN

2.) PLAN SHEETS AND PROJECT SPECIFICATIONS

1.) SWPPP NARRATIVE & DETAILS

 $\frac{1}{(24.0)}$ STABILIZED CONSTRUCTION EXIT

 $\left(\begin{array}{c} 3 \\ \hline c 4 \\ \hline 0 \end{array} \right)$ STORM DRAIN INLET PROTECTION

RANDOM RIPRAP CLASS ##

LEGEND & ESTIMATED QUANTITIES

**SEE LANDSCAPE ARCHITECT PLANS FOR FINAL STABILIZATION THROUGHOUT.

QUANITITY

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EROSION PREVENTION PRACTICES

PERMITTEES MUST MINIMIZE THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES. WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTEES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES. -----

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PERMITTEES MUST STABILIZE ALL EXPOSED SOIL AREAS, INCLUDING STOCKPILES. STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION MUST BE COMPLETED NO LATER THAN 14 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED.

FOR PUBLIC WATERS THAT THE MNDNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES, PERMITTEES MUST COMPLETE STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATER'S EDGE, AND THAT DRAIN TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD.

PERMITTEES MUST STABILIZE THE NORMAL WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF TEMPORARY OR PERMANENT DRAINAGE DITCHES OR SWALES THAT DRAIN WATER FROM THE SITE WITHIN 24 HOURS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE. PERMITTEES MUST COMPLETE STABILIZATION OF REMAINING PORTIONS OF TEMPORARY OR PERMANENT DITCHES OR SWALES WITHIN 14 CALENDAR DAYS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARILY OR PERMANENTLY CEASES.

TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION DO NO NEED TO BE STABILIZED. PERMITTEES MUST STABILIZE THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAINMENT SYSTEM CEASES.

PERMITTEES MUST NOT USE MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION

PRACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERIMETER OF A TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT.

PERMITTEES MUST PROVIDE TEMPORARY OR PERMANENT ENERGY DISSIPATION AT ALL PIPE OUTLETS WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER OR PERMANENT STORMWATER TREATMENT SYSTEM.

PERMITTEES MUST NOT DISTURB MORE LAND (I.E., PHASING) THAN CAN BE EFFECTIVELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH SECTION 11.

SEDIMENT CONTROL PRACTICES

PERMITTEES MUST ESTABLISH SEDIMENT CONTROL BMPS ON ALL DOWNGRADIENT PERIMETERS OF THE SITE AND DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATER, INCLUDING CURB AND GUTTER SYSTEMS. PERMITTEES MUST LOCATE SEDIMENT CONTROL PRACTICES UPGRADIENT OF ANY BUFFER ZONES. PERMITTEES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LAND-DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEDIMENT CONTROL PRACTICES IN PLACE UNTIL THEY ESTABLISH PERMANENT COVER.

IF DOWNGRADIENT SEDIMENT CONTROLS ARE OVERLOADED, BASED ON FREQUENT FAILURE OR EXCESSIVE MAINTENANCE REQUIREMENTS, PERMITTEES MUST INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BMPS TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES AS REQUIRED IN ITEM 6.3.

TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR SITE CONDITIONS.

PERMITTEES MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS COMPLETED. PERMITTEES MUST RE-INSTALL SEDIMENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE.

PERMITTEES MUST PROTECT ALL STORM DRAIN INLETS USING APPROPRIATE BMPS DURING CONSTRUCTION UNTIL THEY ESTABLISH PERMANENT COVER ON ALL AREAS WITH POTENTIAL FOR DISCHARGING TO THE INLET.

PERMITTEES MAY REMOVE INLET PROTECTION FOR A PARTICULAR INLET IF A SPECIFIC SAFETY CONCERN IS IDENTIFIED BY THE PERMITTEES OR THE JURISDICTIONAL AUTHORITY. PERMITTEES MUST DOCUMENT THE NEED FOR REMOVAL IN THE SWPPP

1-800-252-

	PROJECT INFORMATION:		
PROJECT LOCATION:	ENGER GOLF COURSE, DULUTH, MN		
LATITUDE AND LONGITUDE:	46.779314, -92.129748		
PROJECT NAME:	ENGER GOLF PARK IMPROVEMENTS		
PROJECT DESCRIPTION:	EXCAVATION OF EXISTING POND TO REMOVE INTERIOR ISLAND AND CONNECT POND TO NEW NEIGHBORING POND TO IT'S EAST WITH STORM AND PROVIDE STORM OUTFALL, WATER SERVICE LINE IMPROVEMENTS		
EST. PROJECT TIMELINE:	SPRING 2023 – FALL 2023		
	001/14/070		

THIS SWPPP HAS BEEN PREPARED TO SATISFY THE REQUIREMENTS OF THE MPCA NPDES

CONSTRUCTION STORM WATER PERMIT. THE SWPPP DOCUMENT INCLUDES THE FOLLOWING

DOCUMENTS TO DEFINE THE REQUIREMENTS FOR TEMPORARY AND PERMANENT STORM WATER

	CUNTACTS
OWNER:	CITY OF DULUTH
CONTACT NAME:	ROBERT HURD
ADDRESS:	1532 WEST MICHIGAN ST., DULUTH MN 55806
PHONE:	218-626-5130
EMAIL:	rhurd@duluthmn.gov
ENGINEER:	NORTHLAND CONSULTING ENGINEERS, L.L.P.
CONTACT NAME:	TRENT PRIGGE, P.E.
ADDRESS:	102 S. 21ST AVE. W., SUITE ONE, DULUTH, MN 55806
PHONE:	(218)727-5995
EMAIL:	DAVID@NCE-DULUTH.COM

SWPPP DESIGNER TRAINING INFORMATION			
SWPPP DESIGNER:			
CERTIFICATION CLASS AND EXPIRATION YEAR:	DESIGN OF CONSTRUCTION SWPPP, 2023		
NAME OF INSTRUCTOR:	UNIVERSITY OF MINNESOTA		
EMPLOYER:	NORTHLAND CONSULTING ENGINEERS, L.L.P.		

CONTRACTOR'S EROSION CONTROL

THE CONTRACTOR MUST PROVIDE AND ATTACH CONTACT INFORMATION FOR THEIR CERTIFIED EROSION CONTROL SUPERVISOR. THIS INFORMATION MUST ACCOMPANY THE SWPPP PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY. THIS PERSON SHALL BE TRAINED, KNOWLEDGEABLE AND EXPERIENCED IN THE IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES. THIS INDIVIDUAL MUST OVERSEE INSTALLATION, MAINTENANCE AND INSPECTION OF THE EROSION AND SEDIMENT CONTROL BMPS, AND MAKE PROPER REVISION AND/OR AMENDMENTS TO THE SWPPP. A CERTIFIED PERSON REPRESENTING THE CONTRACTOR MUST BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST BY THE MPCA.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE NECESSARY TRAINING AND CERTIFICATIONS FOR THEIR RESPONSIBLE INDIVIDUALS AND CONTRACTOR MUST PROVIDE SAID TRAINING CERTIFICATIONS FOR ANY INDIVIDUAL:

OVERSEEING IMPLEMENTATION, INSTALLATION AND MAINTENANCE OF SWPPP ELEMENTS.
REVISING AND/OR AMENDING OF THE SWPPP.

3.) CONDUCTING SWPPP INSPECTIONS.

CONTRACTOR MUST FILL OUT THE TABLE BELOW AND PROVIDE DOCUMENTATION OF TRAINED INDIVIDUALS AT THE TIME OF APPLICATION OR BEFORE CONSTRUCTION ACTIVITY COMMENCES.

CONTRACTOR'S EROSION CONTROL SUPERVISOR/S			
NAME/S:			
CERTIFICATION CLASS AND EXPIRATION YEAR:	CONSTRUCTION SITE MANAGEMENT -		
NAME OF INSTRUCTOR:	UNIVERSITY OF MINNESOTA		
EMPLOYER:			

GENERAL	SWPPP I	MPI FMFI	NTATION	PHASI

1.)	CONSTRUCT VEHICLE TRACKING BMP(S)
2.)	INSTALL SEDIMENT CONTROL BMPs ON ALL DOWN GRADIENT PERIMETERS.
3.)	INSTALL STORM DRAIN INLET PROTECTION WHERE NECESSARY.
4.)	INSTALL ANY TEMPORARY STABILIZATION DURING CONSTRUCTION AS NEEDED.
5.)	MONITOR SITE FOR SEDIMENT AND REPAIR/REPLACE OR SUPPLEMENT BMPs AS REQUIRED.
6.)	INSTALL FINAL STABILIZATION AS REQUIRED PER CONTRACT.

AFTER SITE HAS ACHIEVED A DENSITY OF 70% PERMANENT COVERAGE, TEMPORARY BMPs MAY BE REMOVED. RE-STABILIZE AND AREAS DISTURBED BY REMOVAL ACTIVITIES.

CONSTRUCTION STORMWATER PERMIT TIMELINES

IMMEDIATELY INSTALL PERIMETER CONTROL AT BASE STOCK PILES.

24 HOURS	STABILIZE EXPOSED SOILS WITHIN 200 FEET OF PUBLIC WATERS.
	STABILIZE WETTED PERIMETER OF DITCHES WITHIN 200 FEET AFTER CONNECTING TO
	SURFACE WATER OR PROPERTY EDGE.
	INSTALL ENERGY DISSIPATION AT ALL PIPE OUTLETS.
	RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES.

7 DAYS IF RECEIVING WATERS WITHIN 1 MILE OF THE SITE **ARE SPECIAL OR IMPAIRED**, EXPOSED SOILS MUST BE STABILIZED AFTER CONSTRUCTION HAS CEASED FOR 7 DAYS.

14 DAYSIF RECEIVING WATERS WITHIN 1 MILE OF SITE **ARE NOT** SPECIAL OR IMPAIRED, EXPOSED
SOILS MUST BE STABILIZED AFTER CONSTRUCTION HAS CEASED FOR 14 DAYS.

PERMITTEES MUST PROVIDE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AT THE BASE OF STOCKPILES ON THE DOWNGRADIENT PERIMETER. PERMITTEES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL BUFFERS OR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE STORMWATER.

PERMITTEES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OR ONTO PAVED ROADS WITHIN THE SITE.

PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT

TRACKING ONTO THE STREET. PERMITTEES MUST INSTALL TEMPORARY SEDIMENT BASINS AS REQUIRED IN SECTION 14.

IN ANY AREAS OF THE SITE WHERE FINAL VEGETATIVE STABILIZATION WILL OCCUR, PERMITTEES MUST RESTRICT VEHICLE AND EQUIPMENT USE TO MINIMIZE SOIL COMPACTION.

PERMITTEES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE.

PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE.

PERMITTEES MUST PRESERVE A 50 FOOT NATURAL BUFFER OR, IF A BUFFER IS INFEASIBLE ON THE SITE, PROVIDE REDUNDANT PERIMETER SEDIMENT CONTROLS WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECT'S EARTH DISTURBANCES AND STORMWATER FLOWS TO THE SURFACE WATER. PERMITTEES MUST INSTALL PERIMETER SEDIMENT CONTROLS AT LEAST 5 FEET APART UNLESS LIMITED BY LACK OF AVAILABLE SPACE. NATURAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS, STORM DRAIN INLETS, AND SEDIMENT BASINS. IF PRESERVING THE BUFFER IS INFEASIBLE, PERMITTEES MUST DOCUMENT THE REASONS IN THE SWPPP.

PERMITTEES MUST USE POLYMERS, FLOCCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER. THE PERMITTEES MUST USE CONVENTIONAL EROSION AND SEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORMWATER TO A SEDIMENT CONTROL SYSTEM FOR FILTRATION OR SETTLEMENT OF THE FLOC PRIOR TO DISCHARGE.

DEWATERING AND BASIN DRAINING

PERMITTEES MUST DISCHARGE TURBID OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING OR BASIN DRAINING TO A TEMPORARY OR PERMANENT SEDIMENT BASIN ON THE PROJECT SITE UNLESS INFEASIBLE. PERMITTEES MAY DEWATER TO SURFACE WATERS IF THEY VISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED AND NUISANCE CONDITIONS WILL NOT RESULT FROM THE DISCHARGE. IF PERMITTEES CANNOT DISCHARGE THE WATER TO A SEDIMENTATION BASIN PRIOR TO ENTERING A SURFACE WATER, PERMITTEES MUST TREAT IT WITH APPROPRIATE BMPS SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER OR DOWNSTREAM PROPERTIES.

IF PERMITTEES MUST DISCHARGE WATER CONTAINING OIL OR GREASE, THEY MUST USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (E.G., CARTRIDGE FILTERS, ABSORBENTS PADS) PRIOR TO DISCHARGE.

PERMITTEES MUST DISCHARGE ALL WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES IN A MANNER THAT DOES NOT CAUSE EROSION OR SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INUNDATION OF WETLANDS IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS THAT CAUSES SIGNIFICANT ADVERSE IMPACT TO THE WETLAND.

IF PERMITTEES USE FILTERS WITH BACKWASH WATER, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL, RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION.

INSPECTIONS AND MAINTENANCE

PERMITTEES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.B, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 1/2 INCH IN 24 HOURS.

PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPS.

PERMITTEES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMPS WITH FUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED IN ITEM 11.5 OR 11.6. PERMITTEES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA.

DURING EACH INSPECTION, PERMITTEES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. PERMITTEES MUST REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL. PERMITTEES MUST COMPLETE REMOVAL AND STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS. PERMITTEES MUST USE ALL REASONABLE EFFORTS TO OBTAIN ACCESS. IF PRECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF OBTAINING ACCESS.

PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS, STREETS AND CURB AND GUTTER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEHICLES. PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDAR DAY OF DISCOVERY OR, IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS.

PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE DEVICE.

PERMITTEES MUST DRAIN TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE THE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES 1/2 THE STORAGE VOLUME.

PERMITTEES MUST ENSURE THAT AT LEAST ONE INDIVIDUAL PRESENT ON THE SITE (OR AVAILABLE TO THE PROJECT SITE IN THREE (3) CALENDAR DAYS) IS TRAINED IN THE JOB DUTIES DESCRIBED IN ITEM 21.2.B. PERMITTEES MAY ADJUST THE INSPECTION SCHEDULE DESCRIBED IN ITEM 11.2. PERMITTEES MUST RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES WITHIN 24 HOURS OF BEING CONDUCTED AND THESE RECORDS MUST BE RETAINED WITH THE SWPPP. THESE RECORDS MUST INCLUDE: A. DATE AND TIME OF INSPECTIONS; AND NAME OF PERSONS CONDUCTING INSPECTIONS; AND ACCURATE FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED: AND D. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); E. DATE OF ALL RAINFALL EVENTS GREATER THAN 1/2 INCHES IN 24 HOURS, AND THE AMOUNT OF RAINFALL FOR EACH EVENT. PERMITTEES MUST OBTAIN RAINFALL AMOUNTS BY EITHER A PROPERLY MAINTAINED RAIN GAUGE INSTALLED ONSITE, A WEATHER STATION THAT IS WITHIN ONE (1) MILE OF YOUR LOCATION, OR A WEATHER REPORTING SYSTEM THAT PROVIDES SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES; AND F. IF PERMITTEES OBSERVE A DISCHARGE DURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AND DESCRIBE THE LOCATION OF THE DISCHARGE (I.E., COLOR, ODOR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN, AND OTHER OBVIOUS INDICATORS OF POLLUTANTS); AND G. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED AS REQUIRED IN SECTION 6 WITHIN SEVEN (7) CALENDAR DAYS.

INSPECTION RECORDS

CONTRACTOR'S CERTIFIED EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ALL INSPECTION AND MAINTENANCE RECORDS. DOCUMENTS SHALL BE KEPT WITH THE SWPPP DOCUMENT.

OPERATION AND MAINTENANCE OF PERMANENT STORM WATER CONTROLS

FOLLOWING CONSTRUCTION COMPLETION THE OWNER AND CONTRACTOR ARE RESPONSIBLE FOR NOTICE OF TERMINATION OR TRANSFER OF PERMIT.

THE OPERATION AND MAINTENANCE OF THE PERMANENT STORM WATER CONTROLS SHALL BE THE RESPONSIBILITY OF THE OWNER. THE OWNER MUST FOLLOW THE LONG TERM OPERATIONS AND MAINTENANCE PLAN AS OUTLINED AS PART OF THE SWPPP IN THE STORM WATER MANAGEMENT PLAN.

TEMPORARY SEDIMENT BASIN CALCULATIONS

CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING OF TEMPORARY SEDIMENT BASINS BASED OFF THE INFORMATION SHOWN BELOW;

THE TEMPORARY BASIN MUST PROVIDE LIVE STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A TWO (2)-YEAR, 24-HOUR STORM FROM EACH ACRE DRAINED TO THE BASIN OR 1,800 CUBIC FEET OF LIVE STORAGE PER ACRE DRAINED, WHICHEVER IS GREATER.

WHERE PERMITTEES HAVE NOT CALCULATED THE TWO (2)-YEAR, 24-HOUR STORM RUNOFF AMOUNT, THE TEMPORARY BASIN MUST PROVIDE 3,600 CUBIC FEET OF LIVE STORAGE PER ACRE OF THE BASINS' DRAINAGE AREA.

CALCULATIONS		
SOILS INFORMATION: PREDOMINATELY CLAY SOILS		
DESCRIPTION	AREA (ACRES)	
TOTAL AREA	403.562 ACRES	
TOTAL DISTURBED AREA	5.841 ACRES	
EXISTING IMPERVIOUS AREA	7.570 ACRES	
POST CONSTRUCTION IMPERVIOUS AREA	7.678 ACRES	
CHANGE IN IMPERVIOUS AREA	0.108 ACRES INCREASE	

NAME	SPECIAL OR IMPAIRED	WORK IN WATER RESTRICTIONS	TMDL	
BUCKINGHAM AND COFFEE CREEK	SPECIAL TROUT	YES	NONE	

SENSITIV	E AREAS	
IS THE PROJECT LOCATION IN A KARST AREA:	NO	
DOES THE PROJECT FLOW TO A CALCAREOUS FEN?	NO	

SWPPP AMENDMENTS

THIS SWPPP IS A STARTING POINT FOR EROSION PREVENTION AND SEDIMENT CONTROL ON THE SITE. CONTRACTOR'S OPERATIONS AND PHASING OF CONSTRUCTION ACTIVITY WILL REQUIRE THE CONTRACTOR TO MODIFY AND AMEND THE SWPPP AND SUBSEQUENT BMPs USED ON SITE. IF SITE CONDITIONS PROVE IN-PLACE BMPs ARE INEFFECTIVE, THE SWPPP MUST BE AMENDED TO DOCUMENT ADDITIONAL OR MODIFIED BMPs AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED. ANY AMENDMENT SHALL BE NOTED ON THE PLAN AND KEPT AS RECORD AND AVAILABLE AT THE SITE.

AMENDMENTS TO THE SWPPP MUST BE DOCUMENTED AND SENT TO THE OWNER AND ENGINEER.

AMENDMENTS TO SWPPP					
NO. AND DESCRIPTION	DATE:				
1.					
2.					
3.					
4.					
5.					

SWPPP IMPLEMENTATION CONTACTS – CITY OF DULUTH						
AGENCY	PERMIT	NAME	PHONE	E-MAIL		
MINNESOTA POLLUTION CONTROL AGENCY	NPDES	JIM DEXTER	(218) 529-6253	JAMES.DEXTER@STATE.MN.US		
SOIL AND WATER CONSERVATION DISTRICT	N/A	RC BOHEIM	(218)723-4629	RC.BOHEIM@SOUTHSTLOUISSWCD.ORG		
MNDNR WATERS AREA HYDROLOGIST	N/A	VACANT				
CORPS OF ENGINEERS	N/A	ANDY CHAMBERS	(218)720-5291	ANDREW.R.CHAMBERS@USACE.ARMY.MIL		
STATE DUTY OFFICER	N/A	MPCA	(800) 422-0798			
CITY REVIEW	N/A	TOM JOHNSON	(218)730-5103	TAJOHNSON@DULUTHMN.GOV		

POLLUTION PREVENTION MANAGEMENT MEASURES

PERMITTEES MUST PLACE BUILDING PRODUCTS AND LANDSCAPE MATERIALS THAT ARE CONSIDERED TO BE A SOURCE OF CONTAMINATION, PESTICIDES, FERTILIZERS, AND CHEMICALS UNDER COVER TO MINIMIZE CONTACT WITH STORMWATER.

PERMITTEES MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MATERIALS MUST BE IN COMPLIANCE WITH MINN. R. CH. 7045 INCLUDING SECONDARY CONTAINMENT AS APPLICABLE.

PERMITTEES MUST PROPERLY STORE, COLLECT AND DISPOSE SOLID WASTE IN COMPLIANCE WITH MINN. R. CH. 7035.

PERMITTEES MUST POSITION PORTABLE TOILETS SO THEY ARE SECURE AND WILL NOT TIP OR BE KNOCKED OVER.

PERMITTEES MUST TAKE REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLOADED INCLUDING THE USE OF DRIP PANS OR ABSORBENTS UNLESS INFEASIBLE. PERMITTEES MUST ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS AND THAT AN APPROPRIATE DISPOSAL METHOD IS AVAILABLE FOR RECOVERED SPILLED MATERIALS. PERMITTEES MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY AS REQUIRED BY MINN. STAT. 115.061, USING DRY CLEAN UP MEASURES WHERE POSSIBLE.

PERMITTEES MUST LIMIT VEHICLE EXTERIOR WASHING AND EQUIPMENT TO A DEFINED AREA OF THE SITE. PERMITTEES MUST CONTAIN RUNOFF FROM THE WASHING AREA IN A SEDIMENT BASIN OR OTHER SIMILARLY EFFECTIVE CONTROLS AND MUST DISPOSE WASTE FROM THE WASHING ACTIVITY PROPERLY. PERMITTEES MUST PROPERLY USE AND STORE SOAPS, DETERGENTS, OR SOLVENTS.

PERMITTEES MUST PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS RELATED TO THE CONSTRUCTION ACTIVITY. PERMITTEES MUST PREVENT LIQUID AND SOLID WASHOUT WASTES FROM CONTACTING THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR AREAS. PERMITTEES MUST PROPERLY DISPOSE LIQUID AND SOLID WASTES IN COMPLIANCE WITH MPCA RULES. PERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY

PERMIT TERMINATION CONDITIONS

PERMITTEES MUST COMPLETE ALL CONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OF ALL AREAS. PERMANENT (VEGETATIVE) COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70 PERCENT OF ITS EXPECTED FINAL GROWTH.

PERMITTEES MUST CLEAN THE PERMANENT STORMWATER TREATMENT SYSTEM OF ANY ACCUMULATED SEDIMENT AND MUST ENSURE THE SYSTEM MEETS ALL APPLICABLE REQUIREMENTS IN SECTION 15 THROUGH 19 AND IS OPERATING AS DESIGNED.

PERMITTEES MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS

PERMITTEES MUST REMOVE ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS. CONTRACTOR MAY LEAVE BMPS DESIGNED TO DECOMPOSE ON-SITE IN PLACE.

FOR RESIDENTIAL CONSTRUCTION ONLY, PERMIT COVERAGE TERMINATES ON INDIVIDUAL LOTS IF THE STRUCTURES ARE FINISHED AND TEMPORARY EROSION PREVENTION AND DOWNGRADIENT PERIMETER CONTROL IS COMPLETE, THE RESIDENCE SELLS TO THE HOMEOWNER, AND THE PERMITTEE DISTRIBUTES THE MPCA'S "HOMEOWNER FACT SHEET" TO THE HOMEOWNER.

FOR CONSTRUCTION PROJECTS ON AGRICULTURAL LAND (E.G., PIPELINES ACROSS CROPLAND), PERMITTEES MUST RETURN THE DISTURBED LAND TO ITS PRECONSTRUCTION AGRICULTURAL USE PRIOR TO SUBMITTING THE NOT.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed

Northland

Conditions of Release for Electronically-Transmitted Drawings

Project: Enger Golf Course Improvements-Earthwork

Date of Issue:

Recipient:

Your acceptance of the enclosed electronically-transmitted drawings (E-dwgs) acknowledges the following:

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	Date
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