Purchasing Division
*Finance Department*

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**Addendum # 2**
**Solicitation # 23-99774**
**Lead Water Service Replacement – Gary Neighborhood**

**NOTICE**

This Addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addenda and is hereby made a part of the Contract Documents.

**CHANGES TO DRAWINGS**

Sheets EC1 and EC2 are hereby issued and shall be considered part of the Contract Drawings as the project Stormwater Pollution Prevention Plan (SWPPP).

**CHANGES TO SPECIAL PROVISIONS**

None.

**RESPONSES TO BIDDER QUESTIONS**

1. **Question:** Is this Plumbing permit (exterior Water Line into House) pulled by the plumber or "us" as the Civil Pipe Layer and is this pulled through the engineering or building inspection departments?
    a. **Response:** the permit is obtained through the City's Construction Services & Inspection office and can be obtained by the General Contractor's representative (does not need to be a licensed plumber).

2. **Question:** City of Duluth MS4 Erosion & Sediment Control & Filling & Grading Permits: for these permits, do we need to apply per address similar to the electrical and plumbing permits, or is this on a project basis? This is a little grey under MPCA rules. If this is not on a project basis, does the MPCA have to be notified with a NPDES permit approved and accompanying SWPPP? Who will be generating the SWPPP? Please provide a cost for this/these permits.

    a. **Response:**
        i. The **City of Duluth MS4 & Sediment Control p**ermit shall be obtained by the Contractor and shall be applied for on a project basis (one application). A Fill/Grading Permit is not required. The City will waive

the fees for these permits.

ii. **An MPCA General Stormwater Permit** is required and shall be obtained by the Contractor. The permit application and fee are the responsibility of the Contractor. The project SWPPP is issued with this addendum.

3. **Question:** Obstruction Permit - As this ties into traffic control, will this be required? If so, what is the cost associated with this?
    a. **Response:** An obstruction permit is not required. However, the Contractor will be expected to coordinate with the inspector on site to provide a weekly update of where the work is occurring and where delays, obstructions are occurring within the right-of-way for Engineering's public coordination.

4. **Question:** Could you kindly provide information on the current water pressure in the Gary Neighborhood? Additionally, if there are houses within the scope of the bid with water pressure exceeding 80, could you specify the number of such properties?
    a. **Response:** The water main pressure varies across the project area. Static pressures at fire hydrants within the project area range from 62 to 91 psi. The City does not have records of water pressure at individual buildings.

5. **Question:** We would like clarification on whether the city requires a full-time plumber on-site throughout the project. Specifically, we are interested in understanding if a plumber needs to be available for calls at any time during the project's duration.
    a. **Response:** The General Contractor is responsible for scheduling the work with the licensed plumber to be on site as needed to complete the water service connection in the house. However, and especially where the Contractor anticipates completing the service connection(s) later or at the end of any given day, the special provision notes that the plumber must be available until at least 7 p.m. to complete the connection to minimize the disruption to the resident due to the water outage and to minimize the need for a temporary water connection(s).

**SUPPLEMENTAL INFORMATION**

None.

Please acknowledge receipt of this Addendum by checking the acknowledgement box within the www.bidexpress.com solicitation.

Posted: **January 3, 2024**

**END OF ADDENDUM**

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# STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

1. GENERAL

THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA) REGULATES STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY DISTURBING LAND EQUAL TO OR GREATER THAN ONE ACRE THROUGH A GENERAL STORMWATER PERMIT (PERMIT NO. MN R100001) AUTHORIZING THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO WATERS OF THE STATE IN COMPLIANCE WITH THE CLEAN WATER ACT AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) PROGRAM. THE GENERAL PERMIT (PERMIT) REQUIRES THE DEVELOPMENT AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP IS A COMBINATION OF NARRATIVE, CALCULATIONS, PLANS SHEETS, AND STANDARD DETAIL SHEETS THAT ADDRESS THE FORESEEABLE CONDITIONS AT ANY STAGE IN THE CONSTRUCTION OR POST-CONSTRUCTION ACTIVITIES.

**THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING TEMPORARY BMPs AT EACH PROJECT SITE TO MANAGE CONSTRUCTION STORMWATER AND TO PREVENT THE DISCHARGE OF SEDIMENT LADEN STORMWATER TO "WATERS OF THE STATE".**

**UNLESS A SPECIFIC PAYMENT ITEM(S) ARE PROVIDED THEREFORE, ALL WORK TO COMPLY WITH THE NPDES STORMWATER PERMIT SHALL BE CONSIDERED INCIDENTAL WITH NO SEPARATE PAYMENT THEREFOR.**

2. GENERAL AND ADMINISTRATIVE REQUIREMENTS

A. RESPONSIBLE PARTIES: THE OWNER AND GENERAL CONTRACTOR (OPERATOR)(CONTRACTOR) ARE CO-PERMITTEES OF THE PERMIT AND ARE JOINTLY RESPONSIBLE FOR COMPLIANCE WITH TERMS AND CONDITIONS OF THE PERMIT. OBTAIN AND REVIEW THE PERMIT AND COMPLY WITH PERMIT SECTIONS 3, 4, 6-24 (PERMIT PART 3.5). VERIFY THAT PERMIT REQUIREMENTS ARE SATISFIED AND COMPLETE THE BLANKS ON THIS SWPPP SHEET(S).

B. PERMIT APPLICATION (PERMIT ITEM 3.2): THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER, COMPLETING THE PERMIT APPLICATION ON-LINE, AND PAYING THE APPLICATION FEE. APPLY ON-LINE AT THE MPCA CONSTRUCTION STORM WATER WEBSITE: https://www.pca.state.mn.us/water/construction-stormwater.

C. PERMIT COVERAGE (PERMIT ITEMS 3.3, 3.4): FOR PROJECTS THAT DISTURB LESS THAN 50 ACRES OR DO NOT DISCHARGE STORMWATER WITHIN 1 MILE (AERIAL RADIUS MEASUREMENT FROM PROJECT BOUNDARIES) OF A SPECIAL OR IMPAIRED WATER, PERMIT COVERAGE TYPICALLY BECOMES EFFECTIVE UPON ON-LINE APPLICATION AND COMPLETION OF THE PAYMENT PROCESS.

FOR PROJECTS THAT DISTURB 50 ACRES OR MORE AND DISCHARGE STORMWATER WITHIN 1 MILE OF A SPECIAL OR IMPAIRED WATER, THE COMPLETE SWPPP MUST BE SUBMITTED TO THE MPCA AT LEAST 30 DAYS BEFORE THE START OF CONSTRUCTION. CONSTRUCTION MAY BEGIN AFTER ON-LINE APPLICATION, COMPLETION OF THE PAYMENT PROCESS, AND, AFTER RECEIVING A DETERMINATION LETTER FROM THE MPCA THAT REVIEW OF THE SWPPP IS COMPLETE. IF THE MPCA FAILS TO CONTACT PERMITTEES WITHIN 30 DAYS OF APPLICATION RECEIPT, COVERAGE IS EFFECTIVE 30 DAYS AFTER COMPLETING THE PAYMENT PROCESS.

* DOES THE PROJECT DISTURB 50 ACRES OR MORE? NO
* DOES THE PROJECT DISCHARGE WITHIN 1-MILE OF A SPECIAL (PERMIT ITEM 23.3-23.6) OR IMPAIRED WATER (PERMIT ITEM 23.7)? YES

IF "YES" FOR BOTH OF THE ABOVE, SUBMIT THE ONLINE APPLICATION, PAYMENT, AND THE COMPLETE SWPPP (SWPPP AND PLAN SHEETS IT REFERENCES, STORMWATER REPORT, AND SITE ASSESSMENTS FOR GROUNDWATER AND SOIL CONTAMINATION), AT LEAST 30 DAYS BEFORE THE START OF CONSTRUCTION.

DO NOT BEGIN LAND DISTURBING CONSTRUCTION ACTIVITIES UNTIL PERMIT COVERAGE IS EFFECTIVE. THE START OF ANY LAND DISTURBING ACTIVITIES SIGNIFIES THAT THE CONTRACTOR IS ASSUMING RESPONSIBILITY FOR PERMIT COVERAGE AND HAS COMPLIED WITH PERMIT REQUIREMENTS.

D. NOTIFICATION OF COVERAGE (PERMIT ITEM 3.6): THE CONTRACTOR WILL RECEIVE A NOTIFICATION OF COVERAGE FROM THE MPCA (E.G., VIA EMAIL). KEEP OR POST A COPY OF THE NOTIFICATION OF COVERAGE WITH THE SWPPP AT THE PROJECT SITE. PROVIDE COPIES TO THE OWNER AND LHB.

E. CHANGE OF COVERAGE FOR NEW OWNER OR NEW OPERATOR (PERMIT ITEMS 3.7, 3.8): FOR A NEW OWNER OR OPERATOR, THE CURRENT OWNER, AND NEW OWNER OR OPERATOR, MUST SUBMIT A "NOTICE OF TERMINATION/PERMIT MODIFICATION FORM" PRIOR TO THE NEW OWNER OR OPERATOR COMMENCING CONSTRUCTION ACTIVITY, NO LATER THAN 30 DAYS AFTER PROPERTY OWNERSHIP TRANSITION. THIS FORM IS AVAILABLE AT THE ABOVE MPCA WEBSITE.

F. TERMINATION OF COVERAGE (PERMIT SECTION 4): THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER AND TERMINATING PERMIT COVERAGE BY COMPLETING AND SUBMITTING A "NOTICE OF TERMINATION/PERMIT MODIFICATION FORM" (NOT) TO THE MPCA AFTER ALL OF THE CONDITIONS OF PERMIT ITEM 4.4 AND 4.5 ARE SATISFIED. PROVIDE, TO OWNER, PHOTOS OF THE SITE SUBMITTED TO THE MPCS WITH THE NOT.

G. RECORD RETENTION AND AVAILABILITY (PERMIT SECTION 20): THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP, INCLUDING ALL CHANGES, AND INSPECTIONS AND MAINTENANCE RECORDS ON SITE OR ELECTRONICALLY AVAILABLE ON-SITE DURING NORMAL WORKING HOURS DURING CONSTRUCTION PER PERMIT SECTION 20. THIS DOCUMENTATION MUST BE KEPT ON FILE FOR 3 YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION. COORDINATE TRANSFER OF THIS DOCUMENTATION TO THE OWNER AT PROJECT COMPLETION.

H. CHANGES (AMENDMENTS) TO SWPPP (PERMIT SECTION 6): UPDATE AND DOCUMENT CHANGES WITHIN 7 DAYS TO THE SWPPP DURING CONSTRUCTION PER PERMIT SECTION 6. KEEP DOCUMENTATION WITH THE SWPPP (E.G., "THE REASON INLET PROTECTION WAS REMOVED FROM INLET 23 WAS DUE TO STREET FLOODING/FREEZING CONCERNS, AS ALLOWED BY PERMIT ITEM 9.8.").

3. CONSTRUCTION ACTIVITY REQUIREMENTS

A. GENERAL: COMPLY WITH THE PERMIT AND SWPPP AND THE REQUIREMENTS OF THE PERMIT. THE BEST MANAGEMENT PRACTICES (BMPS) IDENTIFIED IN THE SWPPP AND PERMIT MUST BE SELECTED, INSTALLED, AND MAINTAINED IN AN APPROPRIATE AND FUNCTIONAL MANNER IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, MANUFACTURER RECOMMENDATIONS, AND ACCEPTED ENGINEERING PRACTICES.

B. EROSION PREVENTION PRACTICES (PERMIT SECTION 8): BEFORE WORK BEGINS, DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED (E.G., BUFFERS).

WHEN STEEP SLOPES MUST BE DISTURBED, USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING, TERRACING).

WHEN CONSTRUCTION ACTIVITY WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS (7 DAYS FOR SPECIAL AND IMPAIRED WATERS, SEE SECTION23), STABILIZE EXPOSED SOIL AREAS (INCLUDING STOCKPILES) IMMEDIATELY, AND COMPLETE THE STABILIZATION NO LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED (NO LATER THAN 7 DAYS FOR SPECIAL OR IMPAIRED WATERS AS DESCRIBED IN PERMIT SECTION 23). AMEND SWPPP BY INDICATING THE LOCATION OF AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE DURATION OF EXPOSED SOIL AREAS (E.G., STEEP SLOPE AREAS).

PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES TO SATISFY THE ABOVE AND ALL CONDITIONS OF PERMIT SECTION 8.

C. SEDIMENT CONTROL PRACTICES & TEMPORARY SEDIMENT BASINS (PERMIT SECTIONS 9 AND 14): BEFORE ANY LAND DISTURBING ACTIVITY BEGINS, ESTABLISH SEDIMENT CONTROL BMPS ON ALL DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATERS, INCLUDING BUT NOT LIMITED TO, CURB AND GUTTER SYSTEMS, STORM SEWER INLETS, DITCHES. BMPS MUST BE LOCATED UPGRADIENT OF ANY BUFFER ZONES AND MUST REMAIN IN PLACE UNTIL PERMANENT COVER IS ESTABLISHED FOR THE AREA DRAINING TO IT.

FOR CONSTRUCTION AREAS THAT DRAIN TOWARDS ADJACENT SURFACE WATERS, PRESERVE A 50 FOOT NATURAL BUFFER (100 FOOT FOR SPECIAL OR IMPAIRED WATERS AS DESCRIBED IN PERMIT SECTION 23), OR PROVIDE REDUNDANT PERIMETER SEDIMENT CONTROLS. IF PRESERVING A BUFFER IS INFEASIBLE, DOCUMENT THIS DETERMINATION AND THE SUBSTITUTE BMPS IN THE SWPPP PER PERMIT ITEM 9.17.

PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES TO SATISFY THE ABOVE AND ALL CONDITIONS OF PERMIT SECTION 9 AND 14.

D. DEWATERING AND BASIN DRAINING (PERMIT SECTION 10): COMPLY WITH SECTION 10 OF THE PERMIT.

E. INSPECTIONS AND MAINTENANCE (PERMIT SECTION 11): COMPLY WITH SECTION 11 OF THE PERMIT.

F. POLLUTION PREVENTION MANAGEMENT MEASURES (PERMIT SECTION 12): COMPLY WITH SECTION 12 OF THE PERMIT. AMEND SWPPP BY INDICATING THE LOCATION OF POTENTIAL POLLUTANT GENERATING ACTIVITIES ON SITE MAPS FOR THE DURATION OF CONSTRUCTION PER PERMIT SECTION 5.9.

4. SWPPP RESPONSIBILITIES/TRAINED INDIVIDUALS

A. THE CONTRACTOR WILL OVERSEE SWPPP IMPLEMENTATION, REVISE AND AMEND THE SWPPP, AND PERFORM INSPECTIONS. THE FOLLOWING CONTRACTOR REPRESENTATIVE IS TRAINED TO PERFORM THESE DUTIES AND WILL ASSUME THESE RESPONSIBILITIES (PERMIT ITEMS 5.20, 21.2.b):

NAME: _____

TRAINING DATE/INSTRUCTOR/ENTITY: _____

TRAINING CONTENT/HOURS: _____

B. THE CONTRACTOR WILL SUPERVISE THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS BEFORE AND DURING CONSTRUCTION. THE FOLLOWING CONTRACTOR REPRESENTATIVE IS TRAINED TO PERFORM THESE DUTIES AND WILL ASSUME THESE RESPONSIBILITIES (PERMIT ITEMS 5.20, 21.2.c):

NAME: _____

TRAINING DATE/INSTRUCTOR/ENTITY: _____

TRAINING CONTENT/HOURS: _____

C. PERSON KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BMPS WHO WILL COORDINATE WITH CONTRACTORS, SUBCONTRACTORS, AND OPERATORS ON-SITE TO OVERSEE IMPLEMENTATION OF THE SWPPP (PERMIT ITEM 5.21)(TYPICALLY GENERAL CONTRACTOR):

NAME/TITLE: _____

D. CHAIN OF RESPONSIBILITY: THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL SWPPP IMPLEMENTATION ON THE CONSTRUCTION SITE AND IS ACCOUNTABLE FOR SUBCONTRACTORS AND OTHER CONTRACTORS WORKING ON SITE AND THEIR COMPLIANCE WITH THE GENERAL STORMWATER PERMIT AND SWPPP REQUIREMENTS.

I HEREBY CERTIFY THAT THIS PLAN 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.

SIGNATURE: _____ DATE: 1/2/2024

BRAD SCOTT (TYPE NAME) LIC. NO: 46198

CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

2023 DULUTH LEAD SERVICE REPLACEMENT

CITY PROJECT NO.: 2079 | STATE AID PROJECT NO.: NA

DRAWN BY: JDO

SWPPP

SHEET NO. EC1 OF EC2

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# STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE (CONTINUED)

5. REGULATORY AGENCIES AND PERMITS
   A. COMPLY WITH REQUIREMENTS OF ALL REGULATORY AGENCIES AND PERMITS HAVING JURISDICTION DURING CONSTRUCTION ACTIVITIES.

6. DESCRIPTION OF THE CONSTRUCTION ACTIVITY / SWPPP COMPONENTS
   A. NARRATIVE/TIMING (PERMIT ITEM 5.4):
      1) PROJECT SUMMARY: THE PROJECT INVOLVES THE REPLACEMENT OF LEAD WATER SERVICE LINES IN THE GARY NEW DULUTH NEIGHBORHOOD AT APPROXIMATELY 165 INDIVIDUAL RESIDENTIAL LOCATIONS.
         a. DEWATERING ACTIVITIES.
         b. STREETS, CURB AND GUTTER, AND SIDEWALK CONSTRUCTION.
         c. CONSTRUCTION OF OTHER UTILITIES (E.G. DRINKING WATER AND SANITARY SEWER).
         d. SURFACE RESTORATION AND TURF STABILIZATION.

      2) TIMING FOR INSTALLATION OF EROSION & SEDIMENTATION BMPS AND PERMANENT STORMWATER MANAGEMENT SYSTEMS, IN GENERAL SEQUENTIAL ORDER FROM FIRST TO LAST (PERMIT ITEM 5.4):
         a. INLET PROTECTION FOR EXISTING INLETS / SILT FENCE / DELINEATION AREAS NOT TO BE DISTURBED / ROCK CONSTRUCTION ENTRANCE / TEMPORARY SEDIMENTATION BASIN: PROVIDE PRIOR TO CONSTRUCTION; MAINTAIN DURING CONSTRUCTION.
         b. SILT FENCE AROUND STOCKPILES: PROVIDE DURING CONSTRUCTION.
         c. PORTABLE SEDIMENT CONTAINMENT SYSTEMS FOR TREATING WATER FROM DEWATERING OPERATIONS : PROVIDE DURING CONSTRUCTION.
         d. INLET PROTECTION FOR NEW INLETS: PROVIDE AS CONSTRUCTED.
         e. OIL-GRIT PRETREATMENT UNITS
         f. HARD SURFACING (E.G., BUILDING ROOFS, PAVEMENTS)
         g. VEGETATIVE COVER / EROSION CONTROL BLANKETS: AFTER FINAL TOPSOIL PLACEMENT AND FINISH GRADING.
         f. INFILTRATION AND FILTRATION BASINS
         g. REMOVAL OF TEMPORARY BMPS: AFTER FINAL STABILIZATION IS ESTABLISHED.

      3) IMPERVIOUS SURFACE AREAS / WATER QUALITY VOLUME:
         a. PRE-CONSTRUCTION IMPERVIOUS (PERMIT ITEM 5.8): 0.5 ACRES
         b. POST-CONSTRUCTION IMPERVIOUS (PERMIT ITEM 5.8): 0.5 ACRES
         c. NET NEW IMPERVIOUS: 0.0 ACRES
         d. WATER QUALITY VOLUME: NA CUBIC FEET
         e. ACTUAL WATER QUALITY VOLUME RETAINED ON-SITE / METHOD OF RETENTION: NA CUBIC FEET / INFILTRATION
         f. THE REASON THE FULL WATER QUALITY VOLUME CANNOT BE INFILTRATED (PER PERMIT ITEM 5.15): NA
         g. REMAINDER OF WATER QUALITY VOLUME AND ALTERNATIVE TREATMENT METHOD: NA

      4) CHEMICALS AND CHEMICAL TREATMENT SYSTEMS USED FOR ENHANCING THE ON-SITE SEDIMENTATION PROCESS AND HOW COMPLIANCE WILL BE ACHIEVED (PERMIT ITEM 5.22): NA

      5) PER PERMIT ITEM 5.13, DOCUMENTATION OF INFEASIBILITY FOR:
         a. TEMPORARY SEDIMENT BASIN (PERMIT PART 14.10): NA
            ALTERNATIVE (PERMIT ITEM 5.14): NA
         b. OBTAINING RIGHT-OF-WAY FOR PERMANENT STORMWATER MANAGEMENT SYSTEMS OF LINEAR PROJECTS: NA
         c. BUFFER ZONES (PERMIT ITEMS 9.17 AND 23.11): NA

      6) STORMWATER MITIGATION MEASURES IDENTIFIED IN ENVIRONMENTAL REVIEW OR OTHER REQUIRED REVIEW (PERMIT ITEM 5.16): NA

   B. STORMWATER REPORT (PERMIT ITEM 5.6): NA

   C. SITE ASSESSMENTS FOR GROUNDWATER OR SOIL CONTAMINATION (PERMIT ITEM 5.25): NA

   D. PLAN SHEETS:
      1) SWPPP (PERMIT ITEM 5.2): THIS SHEET(S), INCLUDING DOCUMENTATION DESCRIBED AND REFERENCED HEREIN.
      2) TEMPORARY BMPS / ESTIMATED QUANTITIES LOCATIONS OF AREAS NOT TO BE DISTURBED / SOIL TYPES (PERMIT ITEMS 5.3, 5.5, 5.7, 5.9): SEE SHEET G2, SHEET G13, AND SHEETS 25-193, AND STANDARD DETAIL SHEETS.
      3) PERMANENT BMPS (PERMIT ITEM 5.3, 5.5): SEE SHEETS G15-23.
      4) EXISTING GRADES, DRAINAGE BOUNDARIES AND FLOW DIRECTIONS, DISCHARGE POINTS WHERE STORMWATER LEAVES THE SITE OR ENTERS SURFACE WATERS, AREAS OF STEEP SLOPES (PERMIT ITEM 5.9): SEE SHEETS 25-193.
      5) FINAL GRADES, DRAINAGE BOUNDARIES AND FLOW DIRECTIONS, DISCHARGE POINTS WHERE STORMWATER LEAVES THE SITE OR ENTERS SURFACE WATERS, AREAS OF STEEP SLOPES (PERMIT ITEM 5.9): SEE SHEETS 25-193.
      6) IMPERVIOUS SURFACING / METHODS OF FINAL STABILIZATION (PERMANENT COVER)(PERMIT ITEM 5.17): SEE SHEETS 25-193.
      7) MAP OF SURFACE WATERS, EXISTING WETLANDS AND STORMWATER PONDS/BASINS IDENTIFIABLE ON USGS 7.5 MIN. QUAD. MAPS, NWI MAP OR EQUIVALENT WITHIN 1 MILE OF SITE (AERIAL RADIUS MEASUREMENT FROM PROJECT BOUNDARIES) THAT RECEIVE RUNOFF FROM SITE DURING OR AFTER CONSTRUCTION (IDENTIFY SPECIAL AND IMPAIRED WATERS AND ANY APPROVED TMDLS)(PERMIT ITEMS 5.10, 5.19): NA
      8) FOR THE ABOVE SPECIAL OR IMPAIRED WATERS, DOCUMENTATION OF BMPS USED TO ADDRESS TMDL OR WLA REQUIREMENTS TO COMPLY WITH PERMIT SECTION 23: NA
      9) SITE MAP OF CONSTRUCTION ACTIVITY AREAS THAT ARE ADJACENT TO AND DRAIN TO MINNESOTA DEPARTMENT OF NATURAL RESOURCES (MDNR) PUBLIC WATERS PROMULGATED AS "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIMES (PERMIT ITEM 5.11): NA
      10) METHODS TO PRESERVE TOPSOIL AND TOPSOIL PRESERVATION AREAS (PERMIT ITEM 5.24): NA
      11) METHODS TO MINIMIZE SOIL COMPACTION AND INFILTRATION AREAS TO BE PROTECTED FROM EXCESSIVE SOIL COMPACTION AND SEDIMENTATION (PERMIT ITEM 5.24): SEE SHEET G13 AND SHEETS 25-193
      12) AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE THE DURATION OF EXPOSED SOILS (PERMIT ITEM 5.18): NA
      13) DELINEATION OF BUFFER ZONES (PERMIT ITEM 5.12): NA

   E. STANDARD DETAIL SHEETS: MnDOT STANDARD PLANS 5-297.405 IS HEREBY INCORPORATED BY REFERENCE. SHEETS 4 OF 8, 5 OF 8, AND 6 OF 8 SHALL APPLY. AVAILABLE AT: https://standardplans.dot.state.mn.us/

   F. MAINTENANCE PLAN: NA

7. STANDARDS SPECIFICATIONS FOR CONSTRUCTION:
   UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS, MATERIAL AND CONSTRUCTION REQUIREMENTS FOR TEMPORARY SEDIMENT CONTROL AND EROSION PREVENTION SHALL BE IN ACCORDANCE WITH THE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION.

8. CALCULATIONS AND OTHER INFORMATION USED FOR DESIGN OF TEMPORARY SEDIMENTATION BASINS AND PERMANENT STORMWATER TREATMENT SYSTEMS (PERMIT ITEM 5.6): NA

9. PROCEDURES TO ESTABLISH ADDITIONAL TEMPORARY BMPS, AS NECESSARY, DURING CONSTRUCTION (PERMIT ITEM 5.5):
   A. IF REGULAR INSPECTIONS OR OTHER OBSERVATIONS INDICATE THE NEED FOR ADDITIONAL TEMPORARY BMPS TO PREVENT EROSION, THEN PROVIDE ADDITIONAL BMPS BEFORE THE NEXT RAIN EVENT.
   B. THE CONTRACTOR SHALL PREPARE, PROVIDE, AND MAINTAIN CLEAR AND UPDATED SITE PLANS OF THE CURRENT TEMPORARY BMPS ON THE CONSTRUCTION PLAN SHEETS PROVIDED.
   C. AMEND THE SWPPP WITH ALL CHANGES TO THE SWPPP WITHIN 7 DAYS.

I HEREBY CERTIFY THAT THIS PLAN 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.

SIGNATURE: _____ BRAD SCOTT (TYPE NAME) DATE: 1/2/2024 LIC. NO: 46198

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2023 DULUTH LEAD SERVICE REPLACEMENT

CITY PROJECT NO.: 2079 STATE AID PROJECT NO.: NA

DRAWN BY: JDO
SWPPP
SHEET NO. EC2 OF EC2