



**Purchasing Division**  
*Finance Department*  
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Duluth, Minnesota 55802

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**Addendum 2**  
**Solicitation 22-99533**  
**Lincoln Park Site Improvements**

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

1. The CORRECT invitation for bid has been uploaded to the Bid Express solicitation. The invitation added to Bid Express per Addendum 1 was for a different project and has been removed. The invitation added to the City website per Addendum 1 is the correct one.
2. Native species per SWCD grant.....
3. SHPO approval memo if available...
4. Approved substitutions...
5. Language on Tribal Monitoring updated.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the [www.bidexpress.com](http://www.bidexpress.com) solicitation.

Posted: **07.28.2022**



## **ADDENDUM NO. 02, JULY 27, 2022**

RE: Lincoln Park Site Improvements

LHB Project No. 170032

To: All Planholders

From: LHB, Inc.

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated July 5, 2022 and Addendum No. 01, dated July 22, 2022. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 2 pages and the following attachment (s):

### **General**

Memorandum of Agreement (MOA) among The National Park Service, The Minnesota State Historic Preservation Office, The Minnesota Department of Natural Resources, and The City of Duluth regarding The Lincoln Park Site Improvements Project, Duluth, Saint Louis County, Minnesota

### **Specifications**

Div 00 – 01: 01 1000, 01 4000

### **Drawings**

Landscape: L1.00 LANDSCAPE PLAN OVERALL VIEW

Electrical: E0.01 ELECTRICAL SYMBOLS AND ABBREVIATIONS

### **Changes to Prior Addenda**

1. Refer to Addendum No. 01, dated July 22, 2022:
  - a. Item A3: Add the following:
    - i. The tribal monitor will be available for up to 8 hours a day during daylight working hours. The Contractor will be responsible for notifying the tribal monitor of any ground disturbing activities with a minimum 48-hour notice. The Contractor shall plan ground disturbances in such a manner as to maximize the tribal monitor's time and limit the number of separate tribal monitoring visits.
    - ii. Specification section 01 4000 QUALITY REQUIREMENTS, paragraph 1.07 has been updated to include tribal monitoring services and contractor responsibilities.
  - b. Item A4: Add the following:
    - i. The City of Duluth will work with the selected contractor to close the park accordingly and once a proposed schedule has been submitted for the phased work.
  - c. Item A8: Add the following:
    - i. The City of Duluth has decided to leave the roadway in as a reclaim project for bidding purposes. If a shortage of material is encountered doing construction, a change order for additional material will be issued.

### General

2. A copy of the Memorandum of Agreement (MOA) with all regulating consulting parties is attached for reference.
3. The Clean Water Grant Site Improvement funded items require all plant material to be native species. These areas include C-1, C-2, C-3, and C-4 illustrated on C0.09. Sheet L1.00 has been modified to include this requirement note.

### Changes to Specifications

4. Replace Section 01 1000 SUMMARY in its entirety.
5. Replace Section 01 4000 QUALITY REQUIREMENTS in its entirety.

### Product Approvals

No materials or equipment will be allowed to be used unless it either 1) meets specified criteria and/or manufacturer or 2) has received prior approval as documented in an addendum. This includes all equipment furnished by subcontractors.

SECTION / PARAGRAPH NO.	SPECIFIED PRODUCT	PROPOSED SUBSTITUTION / MODEL
Sheet S4.00 Notes	Pressure treated Southern Yellow Pine	Pressure treated Douglas Fir with Copper Naphthenate (QNAP)
01 2300 / 1.03 Alternate No. 1 & Alternate No. 2	Bench 58 & Bench 92 by DuMor	L26 Lamplighter Bench with Back 6' & L16 Flat Bench 6' in Gloss Black by Keystone Ridge Designs / L26
01 2300 / 1.03 Alternate No. 1 & Alternate No. 2	Bench 58 by DuMor	Pullman Bench with Back 6' in Gloss Black by Keystone Ridge Designs / P26
01 2300 / 1.03 Alternate No. 1 & Alternate No. 2	Bike Rack 83 S-2 by DuMor	Sonance one loop bike rack capacity 3 in Gloss Black by Keystone Ridge Designs / SN01-3
01 2300 / 1.03 Alternate No. 1 & Alternate No. 2	Bench 92 by DuMor	Pullman Flat 6' Bench without arms in Gloss Black by Keystone Ridge Designs / P16N

### Changes to Drawings

6. Replace Sheet E0.01 in its entirety.
7. Replace Sheet L1.00 in its entirety.

**END OF ADDENDUM NO. 02**

**MEMORANDUM OF AGREEMENT  
AMONG  
THE NATIONAL PARK SERVICE,  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
AND THE CITY OF DULUTH  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

**WHEREAS**, the National Park Service (NPS) administers the Outdoor Recreation Legacy Partnership (ORLP) Program of the Land and Water Conservation Fund (LWCF); and

**WHEREAS**, under the authority of the LWCF Act (Public Law 88-578, as amended, now codified at 54 U.S.C. §2003) the NPS may make ORLP grants available to States as the grantee, and through States to local jurisdictions as subgrantees; and

**WHEREAS**, 54 U.S.C. §200305(f)(3) of the LWCF Act requires the Governor of each State to delegate a state agency to accept and administer LWCF funds; and

**WHEREAS**, Governor Tim Walz has delegated the NPS grantee responsibility to the Minnesota Department of Natural Resources (MnDNR); and

**WHEREAS**, in 2018, the NPS awarded LWCF grant number 27-01416 to the City of Duluth (City), a subgrantee, for the Lincoln Park Improvements Project; and

**WHEREAS**, 54 U.S.C. §200305(f)(3) of the LWCF Act protects parks that have received funding through the LWCF program from conversion to other than outdoor recreation use without approval from the Secretary of the Interior, which approval shall be given only when the standards of 54 U.S.C. §200305(f)(3) and its regulations (36 CFR Part 59) are met; and

**WHEREAS**, the U.S. Department of Housing and Urban Development (HUD) may also fund the Project through a Community Development Block Grant, and HUD has designated NPS to be the lead federal agency for the Project for compliance with Section 106 pursuant to 36 CFR 800.2(a)(2); and

**WHEREAS**, the Project includes rehabilitation of a fire-damaged park pavilion, alterations to park facilities and landscape features in order to improve ADA accessibility, increase public safety, and address groundwater and other ecological issues; and

**WHEREAS**, the NPS has determined the approval of federal ORLP grant assistance for the proposed Project is an undertaking as defined in 36 CFR 800.16(y), and therefore is subject to review under Section 106 of the National Historic Preservation Act of 1966 as amended (54 U.S.C. § 306108); and

**WHEREAS**, the NPS, in consultation with the MnDNR and the Minnesota State Historic Preservation Office (MnSHPO), has defined the Area of Potential Effect (APE) for indirect and

direct effects for the undertaking as shown on Attachment A; and

**WHEREAS**, the NPS, in consultation with the MnDNR and the MnSHPO, has identified the following historic properties in the APE that have been determined eligible for listing in the National Register of Historic Places (NRHP): Skyline Parkway Historic District (district eligible for listing in the NRHP includes contributing properties: Lincoln Park, Lincoln Park Bridge, Lincoln Park Drive, Lincoln Park Pavilion), Lincoln Park (individually eligible for listing in the NRHP), and Zion Lutheran Church; and

**WHEREAS**, the NPS, in consultation with the MnDNR and the MnSHPO, has reviewed the “Lincoln Park Improvement Project Updated and Assessment of Effects” (June, 2021), which was based on the “Lincoln Park Site Improvements” (6/14/2019), the Lincoln Park Pavilion architectural drawings (6/7/2021), and the draft schematic plans for Lincoln Park Drive (6/29/2021), and has found that certain aspects of the Project, as described in the said documentation, have been designed and are consistent with the Secretary of the Interior’s *Standards for the Treatment of Historic Properties* which will avoid and minimize adverse effects to character-defining features of: the Skyline Parkway Historic District and Lincoln Park; and

**WHEREAS**, the NPS, in consultation with the MnDNR and the MnSHPO, has found that the Project will have no adverse effect on the Zion Lutheran Church; and

**WHEREAS**, the NPS, in consultation with the MnDNR, the MnSHPO, and consulting parties, has found that the removal of Lincoln Park Wall Nos. 1 and 3 as part of the Project will result in an adverse effect to the Skyline Parkway Historic District and Lincoln Park; and

**WHEREAS**, the NPS, in consultation with the MnDNR, the MnSHPO, and consulting parties, has found that there is no practicable alternative that will avoid the adverse effect to historic properties and has developed this Memorandum of Agreement (MOA) to resolve the adverse effects; and

**WHEREAS**, requirements for public involvement were completed pursuant to 36 CFR 800.2(d) including presentations at public meetings, posting on the City’s website, and review by the Duluth Heritage Preservation Commission, which has issued a Certificate of Appropriateness for the rehabilitation of the Lincoln Park Pavilion, a locally designated landmark, and has expressed support for the Project as a whole; and

**WHEREAS**, federally recognized Native American tribes have been invited to consult on the undertaking, as summarized in Attachment B, and the Fond du Lac Band of Lake Superior Chippewa has requested to participate in consultation; and

**WHEREAS**, the Fond du Lac Band of Lake Superior Chippewa, the Duluth Heritage Preservation Commission, Scott A. Marek, and Equilibrium 3 have been invited to participate in the consultation and have been invited to sign this MOA as Concurring Parties; and

**WHEREAS**, the MnDNR has responsibilities under this MOA and is an Invited Signatory to this MOA; and

**WHEREAS**, the City has responsibilities under this MOA and is an Invited Signatory to this MOA; and

**WHEREAS**, the NPS initially notified the Advisory Council on Historic Preservation (ACHP) of the Project in 2019 and provided documentation related to the proposed Project and the ACHP declined to participate at that time; and

**WHEREAS**, in accordance with 36 CFR 800.6(a)(1), the NPS reinitiated Section 106 for the proposed Project and has notified the ACHP of the adverse effect determination and has provided the documentation specified in 36 CFR 800.11(e), and the ACHP has chosen not to participate in the consultation pursuant to 36 CFR 800.6(a)(1)(iii); and

**WHEREAS**, the Signatories, Invited Signatories, and Concurring Parties, are all considered Consulting Parties pursuant to 36 CFR 800.2(c) and their roles are described herein are consistent with those described in 36 CFR 800.6(c)(1), (2), and (3) respectively;

**WHEREAS**, the City shall implement the Project and shall complete the stipulations of this MOA, the NPS, with assistance from the MnDNR, shall be responsible for ensuring that implementation of the Project meets the terms of this MOA; and

**NOW, THEREFORE**, the NPS and SHPO agree that the Project shall be implemented in accordance with the following stipulations in order to resolve the adverse effects of the Project on historic properties.

## **STIPULATIONS**

The NPS, with the assistance of the MnDNR, is responsible for ensuring the following measures are carried out:

### **I. MITIGATION MEASURES**

#### **A. Public Interpretation: Interpretive Plan**

- i. The City shall prepare and implement a plan for incorporating an appropriate level of public interpretation of the history and significance of Lincoln Park and Skyline Parkway (Interpretive Plan). The Interpretive Plan shall be informed by the National Association for Interpretation's Standards and Practices for Interpretive Planning. The team preparing the content and location of the Interpretive Plan shall include a qualified historian and/or architectural historian who meets the Secretary of the Interior's (SOI's) *Professional Qualification Standards* (48 FR §§ 44738-44739) for history and/or architectural history.

- a. Within six (6) months of the execution of this MOA, the City shall prepare a draft Interpretive Plan including themes for interpretation, planned modes for delivering the interpretation, and draft text and graphics for each mode. Modes may include, but not be limited to webpages, interpretive signage, walking tours, and integration of interpretive elements into the Project. In order to avoid additional adverse effects to historic properties, any installation of new signage or other interpretive

elements proposed as part of the Interpretive Plan must be designed in accordance with the Secretary of the Interior's *Standards for the Treatment of Historic Properties* and associated *Guidelines for the Treatment of Cultural Landscapes*.

- b. Prior to issuance of a draft Interpretive Plan, the City shall invite the Consulting Parties to a consultation meeting to provide an overview of the proposed Interpretive Plan and receive input.
- c. The City shall submit the draft Interpretive Plan to the NPS and the MnDNR for coordination of review. Following approval of the draft Interpretive Plan by the MnDNR, the MnDNR shall distribute the draft Plan to the Consulting Parties for a thirty (30) calendar day review and comment period.
- d. Following receipt of, and in response to, comments from the Consulting Parties, the City may revise the draft Interpretive Plan. If the City chooses not to incorporate a recommended modification made in writing by the Consulting Parties, then the City and the MnDNR shall provide a written explanation to the Consulting Parties and consult, as appropriate, to seek resolution.
- e. The City shall submit the final Interpretive Plan to the MnDNR for coordination of final review with the MnSHPO. Following review of the final Interpretive Plan by the MnSHPO, the MnDNR shall distribute to all Consulting Parties for review and comment. The MnSHPO may disagree with the Interpretive Plan in writing to the MnDNR. Upon receiving such comments, the MnDNR and the City shall consult with the MnSHPO and other Consulting Parties, as appropriate, to seek resolution in accordance with Stipulation III of this MOA.
- f. Upon final approval by the MnDNR, the City shall distribute the final Interpretive Plan to all Consulting Parties.
- g. Within two (2) years after approval of the final Interpretive Plan, the City shall complete its implementation of the Interpretive Plan.

#### B. Historic Property Documentation: Minnesota Historic-Property Record

- i. Prior to commencement of any Project-related construction activity, the City shall complete Level I Documentation of Lincoln Park for the Minnesota Historic Property Record (Level I MHPR) according to the provisions outlined below. All documentation shall be completed by a historian and/or architectural historian who meets the SOI's *Professional Qualification Standards* (48 FR §§ 44738-44739) for history and/or architectural history.
  - a. Recordation will be completed in accordance with the "Minnesota Historic

Property Record Guidelines (updated June 2009)” Level I Documentation standards.

- b. The City shall provide the MnSHPO with a draft version of the Level I MHPR for review and comment. The MnSHPO shall have thirty (30) calendar days to review the Level I MHPR. The City will take the comments of the MnSHPO into account in developing the final Level I MHPR.
- c. The City shall provide a final archival copy and a digital (PDF) copy of the Level I MHPR to the MnSHPO. The City shall provide a high-quality digital (PDF) copy of the Level I MHPR to the NPS, the MnDNR, the Duluth Heritage Preservation Commission, the Duluth Collection at the Duluth Public Library, and the Northeastern Minnesota Historical Collections at the Kathryn A. Martin Library, University of Minnesota-Duluth. Submission of these final Level I MHPR sets will constitute fulfillment of this stipulation.

#### C. National Register of Historic Places Nomination

- i. Within two (2) years following execution of this MOA, the City, in consultation with the Consulting Parties, shall prepare a National Register of Historic Places Nomination Form (NRHP Nomination) for Lincoln Park.
- ii. The City shall have a qualified consultant prepare the NRHP Nomination in conformance with the National Park Service’s Bulletin 16A *How to Complete the National Register Registration Form*. The NRHP Nomination shall be prepared by a historian and/or architectural historian who meets the SOI’s *Professional Qualification Standards* (48 FR §§ 44738-44739) for history and/or architectural history, and who has successfully completed previous NRHP nominations.
- iii. The City shall submit the first draft NRHP Nomination, and any subsequent drafts, to the MnSHPO for formal review and comment. The MnSHPO shall have sixty (60) calendar days to provide written comments on the initial draft NRHP Nomination. Any subsequent drafts of the NRHP Nomination, up to and including the final NRHP Nomination, shall incorporate any written comments and recommendations provided by the MnSHPO. As needed, review of multiple drafts may be required, and the MnSHPO shall have thirty (30) calendar days to provide comments on each subsequent version after the initial draft NRHP Nomination review.
- iv. The actual nomination of Lincoln Park to the NRHP will be at the discretion of the MnSHPO and will follow the established procedures of the National Park Service (36 CFR § 60). The intent of this stipulation shall be met following the MnSHPO notification to the City that the NRHP Nomination for Lincoln Park is sufficient and has been forwarded to the State Review Board for formal consideration.



208

209 **II. PROJECT DESIGN REVIEW**

210 A. The Project plans (drawings, specifications, special provisions, appendices, etc.)  
211 including plans for temporary construction -related work, shall effectively meet the  
212 Project purpose and be designed consistent with the SOI's *Standards for the Treatment of*  
213 *Historic Properties* (36 CFR Part 68) and associated SOI's *Guidelines for the*  
214 *Rehabilitation of Historic Buildings and Cultural Landscapes* (SOI Standards and  
215 Guidelines) in an effort to avoid and minimize additional adverse effects to historic  
216 properties.

217 B. The City shall prepare updated 90% Project plans in accordance with the SOI Standards  
218 and Guidelines and submit them to the NPS and the MnDNR agency review and for  
219 coordination of review by parties to this MOA.  
220

221 D. If the NPS and the MnDNR find that the 90% Project plans will not expand the APE and  
222 have been developed consistent with the SOI Standards and Guidelines in order to avoid  
223 additional adverse effects to historic properties within the APE, the NPS shall issue this  
224 finding, along with an appropriate level of documentation including the 90% Project  
225 plans, to the Consulting Parties for a thirty (30) day review and comment period. If there  
226 are no objections to the NPS finding of the 90% Project plans' consistency with the SOI  
227 Standards and Guidelines and corresponding finding of effect, then the City shall finalize  
228 the Project plans accordingly. If there are written objections to the NPS finding of the  
229 90% Project plans consistency with the SOI Standards and Guidelines and corresponding  
230 finding of effect, then the NPS and the MnDNR will continue consultation with the  
231 objecting party(ies) pursuant to Stipulation III of this MOA.  
232

233 E. If the NPS and the MnDNR find that the Project plan modifications will result in  
234 additional adverse effects to historic properties, the NPS and the MnDNR shall first  
235 consult with the Consulting Parties in accordance with 36 CFR 800.6 to seek ways to  
236 avoid and/or minimize the adverse effect. The Consulting Parties shall have thirty (30)  
237 days to review and provide comments on this effect finding. If it is determined that the  
238 adverse effect cannot be avoided, the NPS and the MnDNR will consult with the  
239 Consulting Parties, and the public, as appropriate, to develop a Mitigation Plan  
240 (Mitigation Plan) for the adverse effect, taking into account the character and significance  
241 of the historic property and the nature and scale of the adverse effect. Any newly  
242 identified consulting parties under this stipulation will be invited to sign this MOA as  
243 concurring parties pursuant to Stipulation IV.  
244

245 i. The Mitigation Plan shall be developed within forty-five (45) calendar days of  
246 any adverse effect finding made under this stipulation. The NPS and the MnDNR  
247 shall provide a copy of the draft Mitigation Plan to the Consulting Parties who  
248 shall have thirty (30) calendar days to provide comments on the Mitigation Plan  
249 prior to the initiation of Project construction, or fifteen (15) calendar days to  
250 provide comments on any Mitigation Plan prepared during Project construction.

251 a. If the Consulting Parties do not provide comments during the review

periods specified in Subparagraph E(i) of this Stipulation, the NPS and the MnDNR shall consider it final, and the City will move forward with the Mitigation Plan as provided.

b. The NPS and the MnDNR shall take into account any comments provided by the Consulting Parties during the review period specified in Subparagraph E(i) of this Stipulation in the development of a final mitigation plan. The Mitigation Plan will be final upon acceptance by the MnSHPO and written notice by the NPS and the MnDNR. The NPS and the MnDNR shall provide copies of all final Mitigation Plans to the Consulting Parties.

c. Upon completion of consultation under this stipulation, the City shall ensure that the terms and conditions of the final Mitigation Plan are fully implemented.

### **III. TRIBAL MONITORING**

- A. The City shall develop a tribal monitoring plan in consultation with the Fond du Lac Band of Lake Superior Chippewa (Fond du Lac) Tribal Historic Preservation Officer (THPO) to provide for tribal monitors to be present on site during activities associated with the Project's construction that may have the potential to inadvertently affect cultural resources or human remains. The City and the Fond du Lac THPO shall develop a budget of monitor-related expenses, and the City shall contract with Fond du Lac to perform the agreed upon work.
- B. The City shall submit the tribal monitoring plan to the NPS for review and confirmation with the Fond du Lac THPO.
- C. Following consultation with the Fond du Lac THPO, the NPS shall notify the City that the tribal monitoring plan is appropriate or outline necessary revisions. A copy of the final tribal monitoring plan will be provided to the Fond du Lac THPO for their records.
- D. The City may not begin any Project construction until the tribal monitoring plan has been approved by the NPS and Fond du Lac.

### **IV. INADVERTENT DISCOVERIES**

- A. If previously unidentified historic properties (including archaeological sites) or unanticipated effects to historic properties (including exceptionally significant finds) are discovered during Project activities and reported to the City, the City shall immediately halt all Project activities within a one hundred (100) foot radius of the discovery, notify the NPS and the MnDNR of the discovery, and implement interim measures to protect the discovery from looting and vandalism.
- B. Immediately upon receipt of the notification required under Stipulation IV.A above, the City, and the MnDNR, will inspect the construction site to determine the extent of the

discovery and ensure that construction activities have halted, clearly mark the area of discovery, and implement additional measures, as appropriate, to protect the discovery from looting and vandalism, and notify the MnSHPO and the Fond du Lac THPO.

- C. The MnDNR, in consultation with the MnSHPO and the Fond du Lac THPO, will design a plan for avoiding, minimizing, or mitigating any further adverse effects prior to resuming Project activities in the area of the discovery, if the discovery is determined to be a historic property.

Treatment of Human Remains: If an inadvertent discovery contains human remains, the City will immediately halt Project construction work in the area of discovery, will ensure protection of the area of discovery, and will immediately notify local law enforcement and the Office of the State Archaeologist (OSA), the lead state agency for authentication of burial sites on non-federal lands. In accordance with Minn. Stat. § 307.08, the OSA has the final authority in determining if the remains are human and to ensure appropriate procedures are carried out in accordance with the statutes. Avoidance and preservation in place is the preferred option for the treatment of human remains. In accordance with Minn. Stat. § 307.08, subd. 3a, the OSA is required to coordinate with the Minnesota Indian Affairs Council (MIAC) if the remains or associated burial items are thought to be American Indian. The City and MnDNR shall work with the OSA and MIAC to develop and implement a reburial plan if that is the approach preferred as determined in accordance with Minn. Stat. § 307.08.

## **V. DISPUTE RESOLUTION**

- A. Should any Consulting Party to this MOA object to or be unable to complete the execution of any provisions of this MOA, the NPS and the MnDNR shall take the objection into account and consult as needed with the objecting party to resolve the objection.
- B. If the NPS determines that the objection cannot be resolved, the NPS shall request the further comments of the ACHP pursuant to 36 CFR 800.7.
- C. Any ACHP comment provided in response to such a request will be taken into account by the NPS in accordance with 36 CFR 800.7(c)(4) with reference only to the subject of the dispute; the responsibility of the Consulting Parties to carry out all actions under this MOA that are not the subjects of the dispute will remain unchanged.

## **VI. DURATION, AMENDMENTS, AND TERMINATION**

- A. This MOA will automatically terminate if its terms are not carried out within five (5) years from the date of its execution. Prior to such time, the NPS may consult with the MnDNR, the MnSHPO, and the City to amend it in accordance with Subparagraph VI.B below.
- B. This MOA may be amended when such an amendment is agreed to in writing by all Signatories and Invited Signatories. The amendment will be effective on the date a copy

signed by all of the Signatories and Invited Signatories is filed with the ACHP.

C. If any Signatory or Invited Signatory to this MOA determines that its terms will not or cannot be carried out, that party shall immediately consult with the other Signatories and Invited Signatories to attempt to develop an amendment per Subparagraph B above. If within sixty (60) calendar days an amendment cannot be reached, any Signatory or Invited Signatory may terminate the MOA upon written notification to the other Consulting Parties.

D. Once the MOA is terminated, and prior to work continuing on the undertaking, the NPS must either (a) execute an MOA pursuant to 36 CFR 800.6 or (b) request, take into account, and respond to the comments of the ACHP under 36 CFR 800.7. The NPS shall notify the parties to this MOA as to the course of action they will pursue.

## **VII. IMPLEMENTATION**

A. This MOA may be implemented in counterparts, with a separate page for each Consulting Party. This MOA shall become effective on the date of the final signature by the Signatories and Invited Signatories. The NPS and the MnDNR shall ensure each party is provided with a complete copy of the final, executed MOA, updates to appendices, and any amendments. The NPS and the MnDNR shall ensure that the final MOA, updates to appendices, and any amendments are filed with the ACHP.

B. Execution of this MOA by the NPS and SHPO and implementation of its terms is evidence that the NPS has taken into account the effects of its undertaking on historic properties and has afforded the ACHP opportunity to comment pursuant to Section 106 of the National Historic Preservation Act.

**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL PARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

**SIGNATORY**

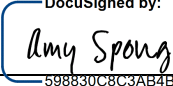
NATIONAL PARK SERVICE

By:  DocuSigned by:  
FD0684143A38407... Date July 8, 2022  
Roger Knowlton, Program Manager Recreation Grant Programs  
Authorized Representative

**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL PARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

**SIGNATORY**


MINNESOTA STATE HISTORIC PRESERVATION OFFICE

By:  Date June 10, 2022  
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Amy Spong, Deputy State Historic Preservation Officer  
Authorized Representative

**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL PARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

**INVITED SIGNATORY**

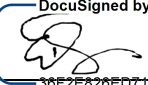
MINNESOTA DEPARTMENT OF NATURAL RESOURCES

By:  DocuSigned by: Ann Pierce Date June 23, 2022  
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Ann Pierce, Director, Parks and Trails Division  
Authorized Representative

**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL PARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

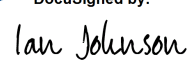
**INVITED SIGNATORY**

CITY OF DULUTH

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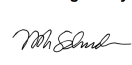
Date June 16, 2022

Mayor

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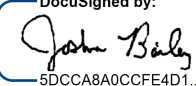
Date June 16, 2022

City Clerk

By Chief Administrative Officer  DocuSigned by:  
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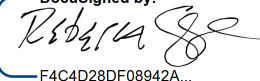
June 17, 2022

Countersigned:

City Auditor  DocuSigned by:  
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June 16, 2022

Approved as to form:

City Attorney  DocuSigned by:  
F4C4D28DF08942A...

June 17, 2022



**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL PARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

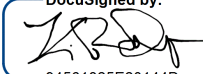
**CONCURRING**

FOND DU LAC BAND OF LAKE SUPERIOR CHIPPEWA

By:  DocuSigned by:  
BB8C21A8E0E848E Date July 7, 2022  
Evan J. Schroder, Tribal Historic Preservation Office  
Authorized Representative

 DocuSigned by:  
53BD8B8A5F4A4DB...  
Sec. Treasurer

July 8, 2022

 DocuSigned by:  
94561825E20144D...  
Chairman

July 8, 2022

**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL PARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

**CONCURRING**

**DULUTH HERITAGE PRESERVATION COMMISSION**

By: DocuSigned by: Ken Buehler Date July 7, 2022  
D97944852601481...  
Ken Buehler, Heritage Preservation Commissioner  
Authorized Representative

**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL LPARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

**CONCURRING**

ECOLIBRIUM 3

By: \_\_\_\_\_ Date \_\_\_\_\_  
Jodi Slick, Executive Director  
Authorized Representative

**MEMORANDUM OF AGREEMENT  
AMONG  
THE CITY OF DULUTH,  
THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES,  
THE NATIONAL PARK SERVICE, AND  
THE MINNESOTA STATE HISTORIC PRESERVATION OFFICE  
REGARDING  
THE LINCOLN PARK IMPROVEMENTS PROJECT,  
DULUTH, SAINT LOUIS COUNTY, MINNESOTA**

**CONCURRING**

By: \_\_\_\_\_ Date \_\_\_\_\_  
Scott Marek  
Consulting Party



**ATTACHMENT B: FEDERALLY RECOGNIZED NATIVE AMERICAN TRIBES  
INVITED TO CONSULT ON THE UNDERTAKING**

1. Apache Tribe of Oklahoma
2. Fort Peck Assiniboine and Sioux Tribes
3. Bad River Band of Lake Superior Tribe of Chippewa
4. Bois Forte Band (Nett Lake) of the Minnesota Chippewa Tribe
5. Cheyenne and Arapaho Tribes, Oklahoma
6. Fond du Lac Band of Lake Superior Chippewa
7. Fort Belknap Indian Community of the Fort Belknap Reservation of Montana
8. Grand Portage Band of the Minnesota Chippewa Tribe
9. Keweenaw Bay Indian Community
10. Lac du Flambeau Band of Lake Superior Chippewa Indians of the Lac du Flambeau Reservation of Wisconsin
11. Lac Vieux Desert Band of the Lake Superior Chippewa Indians
12. Menominee Indian Tribe of Wisconsin
13. Mille Lacs Band of the Minnesota Chippewa Tribe
14. Upper Sioux Community, Minnesota
15. White Earth Band of the Minnesota Chippewa Tribe
16. Fond du Lac Band of Lake Superior Chippewa

**SECTION 01 1000**  
**SUMMARY - REVISED PER ADDENDUM 02**

**PART 1 GENERAL**

**1.01 PROJECT**

- A. Project Name: Lincoln Park Site Improvements
- B. Owner's Name: City of Duluth, Parks & Recreation Department.
- C. Landscape Architect & Engineer: Name: LHB, Inc.
- D. The Project consists of the reclamation of an existing bituminous parkway, and removal of wooden bollards, concrete sidewalk and stairs, bituminous trail, a large stone retaining wall with fencing, field lighting and associated clearing and grubbing in the park. New construction work consists of concrete sidewalks, bituminous pedestrian trails and a timber pedestrian bridge, plus two parking lot areas with traffic signage, curb and gutter, bituminous paving, striping, with associated grading, storm drainage infrastructure, site lighting and native landscaping. Two playground areas, a play field, and basketball court, and concrete pads with site furnishings are also included in the scope of work.
- E. Additionally, the project consists of rehabilitation of a large stone retaining wall, including removal and replacement of a new concrete cap and fencing as well as re-tucking pointing of mortared joints.
- F. The project includes eight (8) alternatives for potential construction work including the installation of park site furnishings on concrete pads, a small pocket park with seating and garden area, the replacement of two pedestrian access stairways with handrail, a basketball court, chain link fence at field, two electrical receptacles in parking area and a new underground service line to existing panel.
- G. A separate bid package for park signage will be issued by the City of Duluth, which is to include the construction of new sign structures and footings only. Concrete slabs and park sign locations are included in this scope of work.

**1.02 CONTRACT DESCRIPTION**

- A. Contract Type: A single prime contract based on a Stipulated Price as described in Document 00 5200 - Agreement Form.

**1.03 CONTRACT TIME**

- A. The Work will be substantially completed by the 30th day of October 2023.
- B. The Work will be completed by the 30th day of November 2023.

**1.04 CONSTRUCTION SCHEDULE**

- A. Work to be completed during the 2022 construction season shall include, at a minimum, the installation of the playground on the west side of Miller Creek. All playground equipment, drain tile within the play container, and poured in place surfacing will be installed by the playground installer. Contractor is responsible for site preparation and rough grading of the playground area, the concrete edge and bituminous trail restraints, and drain tile connections at the perimeter of the playground. Refer to Sheets C1.05, C2.05, C3.05, C3.08, and C4.01.
- B. Contractor may choose to construct other portions of the site work during 2022 as time and weather allows, dependent on the Bid Issue Date, however the site must be stable and contained for the winter.
- C. Removal of the large retaining wall and construction of the hillside slope must be done concurrent with each other and during the 2023 construction season.

**1.05 OWNER OCCUPANCY**

- A. Owner intends to occupy the Project upon Substantial Completion.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- C. Schedule the Work to accommodate Owner occupancy.

**PART 2 PRODUCTS - NOT USED**  
**PART 3 EXECUTION - NOT USED**

**END OF SECTION**



**SECTION 01 4000**  
**QUALITY REQUIREMENTS - REVISED PER ADDENDUM 02**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Submittals.
- B. Quality assurance.
- C. Testing and inspection services.
- D. Control of installation.
- E. Mock-ups.
- F. Tolerances.
- G. Manufacturers' field services.
- H. Defect Assessment.

**1.02 RELATED REQUIREMENTS**

- A. Section 01 6000 - Product Requirements - REVISED PER ADDENDUM 01: Requirements for material and product quality.

**1.03 REFERENCE STANDARDS**

**1.04 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Design Data: Submit for Architect/Engineer's knowledge as contract administrator for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents, or for Owner's information.
- C. Certificates: When specified in individual specification sections, submit certification by the manufacturer and Contractor or installation/application subcontractor to Architect/Engineer, in quantities specified for Product Data.
  - 1. Indicate material or product complies with or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
  - 2. Certificates may be recent or previous test results on material or product, but must be acceptable to Architect/Engineer.
- D. Manufacturer's Instructions: When specified in individual specification sections, submit printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, for the Owner's information. Indicate special procedures, perimeter conditions requiring special attention, and special environmental criteria required for application or installation.
- E. Manufacturer's Field Reports: Submit reports for Architect/Engineer's benefit as contract administrator or for Owner.
  - 1. Submit for information for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents.
- F. Erection Drawings: Submit drawings for Architect/Engineer's benefit as contract administrator or for Owner.
  - 1. Submit for information for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents.
  - 2. Data indicating inappropriate or unacceptable Work may be subject to action by Architect/Engineer or Owner.

**1.05 QUALITY ASSURANCE**

**1.06 REFERENCES AND STANDARDS**

- A. For products and workmanship specified by reference to a document or documents not included in the Project Manual, also referred to as reference standards, comply with requirements of the

standard, except when more rigid requirements are specified or are required by applicable codes.

- B. Comply with reference standard of date of issue current on date of Contract Documents, except where a specific date is established by applicable code.
- C. Obtain copies of standards where required by product specification sections.
- D. Maintain copy at project site during submittals, planning, and progress of the specific work, until Substantial Completion.
- E. Should specified reference standards conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- F. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of Architect/Engineer shall be altered from Contract Documents by mention or inference otherwise in any reference document.

#### **1.07 TESTING AND INSPECTION AGENCIES AND SERVICES**

- A. Owner will employ and pay for services of an independent testing agency to perform specified testing.
- B. Owner will employ and pay for services of an independent tribal monitoring agency to perform on-site monitoring for all ground disturbing activities. The Contractor shall notify the tribal monitor of any changes or updates to the project schedule pertaining to ground disturbing activities and grading with a minimum 48-hour notice. The Contractor shall plan ground disturbances in such a manner as to maximize the tribal monitor's time and limit the number of separate tribal monitoring visits.

### **PART 2 PRODUCTS - NOT USED**

### **PART 3 EXECUTION**

#### **3.01 CONTROL OF INSTALLATION**

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. Comply with specified standards as minimum quality for the work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Have work performed by persons qualified to produce required and specified quality.
- F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer.
- G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.

#### **3.02 MOCK-UPS**

- A. Tests shall be performed under provisions identified in this section and identified in the respective product specification sections.
- B. Assemble and erect specified items with specified attachment and anchorage devices, flashings, seals, and finishes.
- C. Accepted mock-ups shall be a comparison standard for the remaining Work.
- D. Where mock-up has been accepted by Architect/Engineer and is specified in product specification sections to be removed, protect mock-up throughout construction, remove mock-up and clear area when directed to do so by Architect/Engineer.

### **3.03 TOLERANCES**

- A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- C. Adjust products to appropriate dimensions; position before securing products in place.

### **3.04 TESTING AND INSPECTION**

- A. See individual specification sections for testing required.
- B. Testing Agency Duties:
  - 1. Provide qualified personnel at site. Cooperate with Architect/Engineer and Contractor in performance of services.
  - 2. Perform specified sampling and testing of products in accordance with specified standards.
  - 3. Ascertain compliance of materials and mixes with requirements of Contract Documents.
  - 4. Promptly notify Architect/Engineer and Contractor of observed irregularities or non-compliance of Work or products.
  - 5. Perform additional tests and inspections required by Architect/Engineer.
  - 6. Submit reports of all tests/inspections specified.
- C. Limits on Testing/Inspection Agency Authority:
  - 1. Agency may not release, revoke, alter, or enlarge on requirements of Contract Documents.
  - 2. Agency may not approve or accept any portion of the Work.
  - 3. Agency may not assume any duties of Contractor.
  - 4. Agency has no authority to stop the Work.
- D. Re-testing required because of non-compliance with specified requirements shall be performed by the same agency on instructions by Architect/Engineer.
- E. Re-testing required because of non-compliance with specified requirements shall be paid for by Contractor.

### **3.05 MANUFACTURERS' FIELD SERVICES**

- A. When specified in individual specification sections, require material or product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust and balance of equipment as applicable, and to initiate instructions when necessary.
- B. Submit qualifications of observer to Architect/Engineer 30 days in advance of required observations.
  - 1. Observer subject to approval of Architect/Engineer.
- C. Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.

### **3.06 DEFECT ASSESSMENT**

- A. Replace Work or portions of the Work not complying with specified requirements.
- B. If, in the opinion of Architect/Engineer, it is not practical to remove and replace the work, Architect/Engineer will direct an appropriate remedy or adjust payment.

**END OF SECTION**





CLIENT:  
CITY OF DULUTH  
PARKS & RECREATION

411 WEST FIRST ST  
DULUTH, MN 55802

THIS SQUARE APPEARS 1/2" x 1/2" ON  
FULL SIZE SHEETS.

NO	DATE	BID ISSUE ISSUED FOR
1	7/27/2022	ADDENDUM 02

NO	DATE	REVISION
1	7/27/2022	ADDENDUM 02

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE: Heidi S. Bringham

TYPED OR PRINTED NAME: HEIDI S. BRINGMAN

DATE: 07/05/22 REG. NO.: 46914

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PROJECT NAME:

LINCOLN PARK  
SITE IMPROVEMENTS

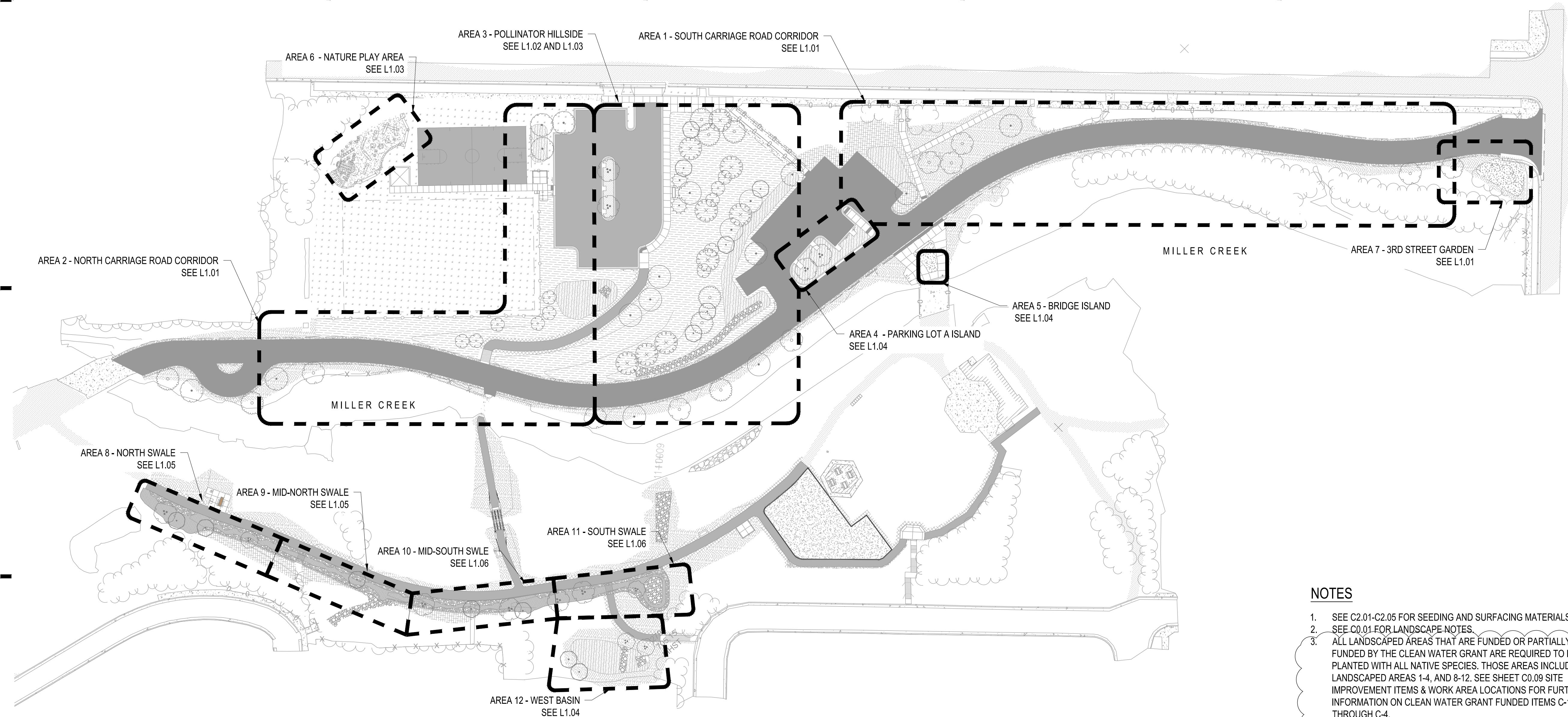
501 N 25TH AVE W  
DULUTH, MN 55806

DRAWING TITLE:

LANDSCAPE PLAN  
OVERALL VIEW

FILE: ..170032\600 Drawings\LA170032 L1.00 Landscape Index Plan.dwg  
DRAWN BY: RMJ  
CHECKED BY: HSB  
PROJ. NO: 170032  
DRAWING NO:

L1.00



#### NOTES

- SEE C2.01-C2.05 FOR SEEDING AND SURFACING MATERIALS.
- SEE C0.01 FOR LANDSCAPE NOTES.
- ALL LANDSCAPED AREAS THAT ARE FUNDED OR PARTIALLY FUNDED BY THE CLEAN WATER GRANT ARE REQUIRED TO BE PLANTED WITH ALL NATIVE SPECIES. THOSE AREAS INCLUDE LANDSCAPED AREAS 1-4, AND 8-12. SEE SHEET C0.09 SITE IMPROVEMENT ITEMS & WORK AREA LOCATIONS FOR FURTHER INFORMATION ON CLEAN WATER GRANT FUNDED ITEMS C-1 THROUGH C-4.

#### LANDSCAPE AREAS

- SOUTH CARRIAGE ROAD CORRIDOR
- NORTH CARRIAGE ROAD CORRIDOR
- POLLINATOR HILLSIDE
- PARKING LOT A ISLAND
- BRIDGE ISLAND
- NATURE PLAY AREA
- 3RD STREET GARDEN
- NORTH SWALE
- MID-NORTH SWALE
- MID-SOUTH SWALE
- SOUTH SWALE
- WEST BASIN



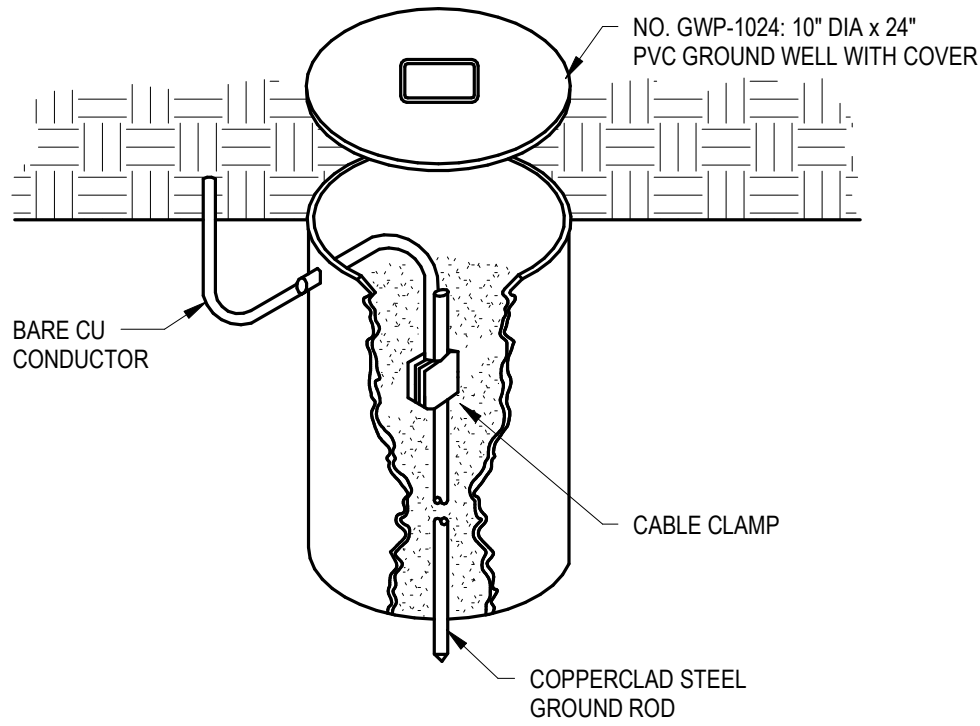
NORTH

0 25' 50' 100'

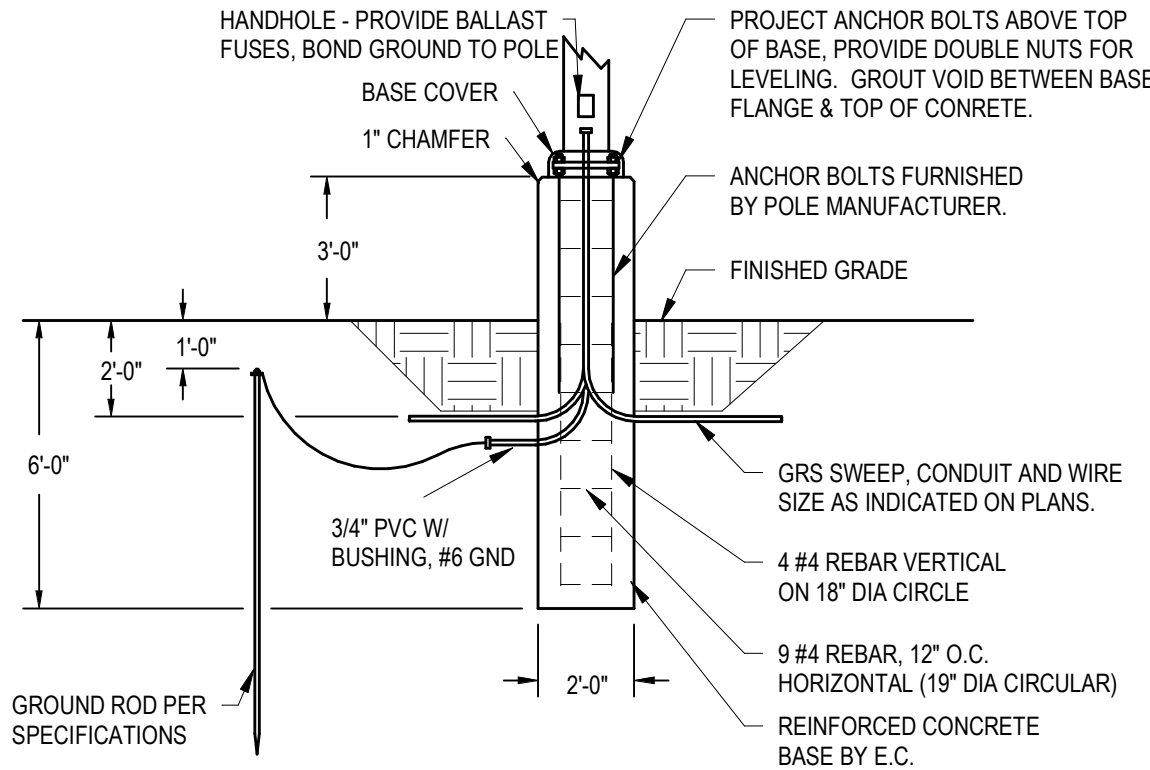


C:\Users\lanhesi\Documents\170032 Lincoln Park Site Improvements MEP15\Central\_ashley\_1lman.rvt  
7/27/2022 2:37:09 PM

ELECTRICAL ABBREVIATIONS LIST															
#P	QUANTITY OF POLES (2P, 3P, ETC)	DIA	DIAMETER	HTR	HEATER	NEMA	NATIONAL ELECTRICAL	SW	SWITCH						
A	AMPERE	DN	DISTRIBUTION	HV	HIGH VOLTAGE		MANUFACTURER'S	SYM	SYMMETRICAL						
AF	AMP (FRAME)	DS	DISCONNECT SWITCH	IG	ISOLATED GROUND	NC	NOT IN CONTRACT								
AFB	ABOVE FINISHED FLOOR	DT	DOUBLE THROW	IMC	INTERMEDIATE METAL CONDUIT	NL	NIGHT LIGHT	TL	TWIST LOCK						
AFG	ABOVE FINISHED GRADE	DWG	DRAWING	IR	INFRARED	NO	NORMALLY OPEN	TR	TAMPER RESISTANT						
AFCI	ARC FAULT CIRCUIT INTERRUPTER	ELEC	ELECTRIC, ELECTRICAL	JBOX	JUNCTION BOX	OH	OVERHEAD	TV	TELEVISION						
AL	ALUMINUM	ELEV	ELEVATOR					TYP	TYPICAL						
ALT	ALTERNATE	EM	EMERGENCY			PA	PUBLIC ADDRESS	UC	UNDER COUNTER						
ARCH	ARCHITECT, ARCHITECTURAL	EMS	ENERGY MANAGEMENT SYSTEM	KV	KILOVOLT	PF	POWER FACTOR	UE	UNDERGROUND ELECTRICAL						
AS	AMP (SWITCH)	EMT	ELECTRICAL METALLIC TUBING	KVAR	KILOVOLT-AMPERE REACTIVE	PH	PHASE	UG	UNDERGROUND						
AT	AMP (TRIP)	EQUIP	EQUIPMENT	KW	KILOWATT	PV	POST INDICATING VALVE	UT	UNDERGROUND TELEPHONE						
ATS	AUTOMATIC TRANSFER SWITCH	EWC	ELECTRIC WATER COOLER	KWH	KILOWATT HOUR	PNL	PANEL	UTIL	UTILITY						
AUTO	AUTOMATIC	EXIST	EXISTING			PP	POWER POLE	UV	ULTRAVIOLET						
AUX	AUXILIARY					PRJ	PROJECTOR	V	VOLT						
AV	AUDIO VISUAL	FA	FIRE ALARM	LV	LOW VOLTAGE	PRV	POWER ROOF VENTILATOR	VA	VOLT-AMPERES						
AWG	AMERICAN WIRE GAUGE	FACP	FIRE ALARM CONTROL PANEL			PT	POTENTIAL TRANSFORMER	VFD	VARIABLE FREQUENCY DRIVE						
BLDG	BUILDING	FLR	FLOOR	MAX	MAXIMUM	PVC	POLYVINYL CHLORIDE (CONDUIT)	W	WATT						
BMS	BUILDING MANAGEMENT SYSTEM	FU	FUSE	MCB	MAIN CIRCUIT BREAKER	PWR	POWER	WR	WEATHER RESISTANT						
		FDS	FUSED DISCONNECT SWITCH	MCC	MOTOR CONTROL CENTER	QTY	QUANTITY	XFMR	TRANSFORMER						
		GA	GALVANIZED	MDF	MAIN DISTRIBUTION PANEL										
C	CONDUIT	GALV	GALVANIZED	MFR	MANUFACTURER										
CAB	CABINET	GC	GENERAL CONTRACTOR	MH	MANHOLE	RCPT	RECEPTACLE								
CATV	CABLE TELEVISION	GEN	GENERATOR	MIC	MICROPHONE	REQ	REQUIRED								
CB	CIRCUIT BREAKER	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MIN	MINIMUM	RM	ROOM								
CCTV	CLOSED CIRCUIT TELEVISION			MISC	MISCELLANEOUS	RSC	RIGID STEEL CONDUIT								
CKT	CIRCUIT			MO	MAIN LUGS ONLY										
CLG	CEILING	GFP	GROUND FAULT PROTECTOR	MOA	MULTIOUTLET ASSEMBLY										
CLB	COMBINATION	GND	GROUND	MSBD	MAIN SWITCHBOARD	SIM	SIMILAR								
CONST	CONSTRUCTION	GRS	GALVANIZED RIGID STEEL (CONDUIT)	MTS	MANUAL TRANSFER SWITCH	SCCR	SHORT CIRCUIT CURRENT RATING								
CONTR	CONTRACTOR	GYP	GYPSUM BOARD	MTR	MOTOR, MOTORIZED	SPEC	SPECIFICATION								
CT	CURRENT TRANSFORMER					SPKR	SPEAKER								
CTL	CONTROLLED					SP	SPARE								
CTR	CENTER	HH	HANDHOLE	NC	NORMALLY CLOSED	SS	STAINLESS STEEL								
CU	COPPER	HQA	HAND-OFF-AUTOMATIC SWITCH	NEC	NATIONAL ELECTRICAL CODE	STD	STANDARD								
		HP	HORSEPOWER			SURF	SURFACE MOUNTED								



1 GROUND ACCESS WELL DETAIL  
3" = 1'-0"



NOTES:

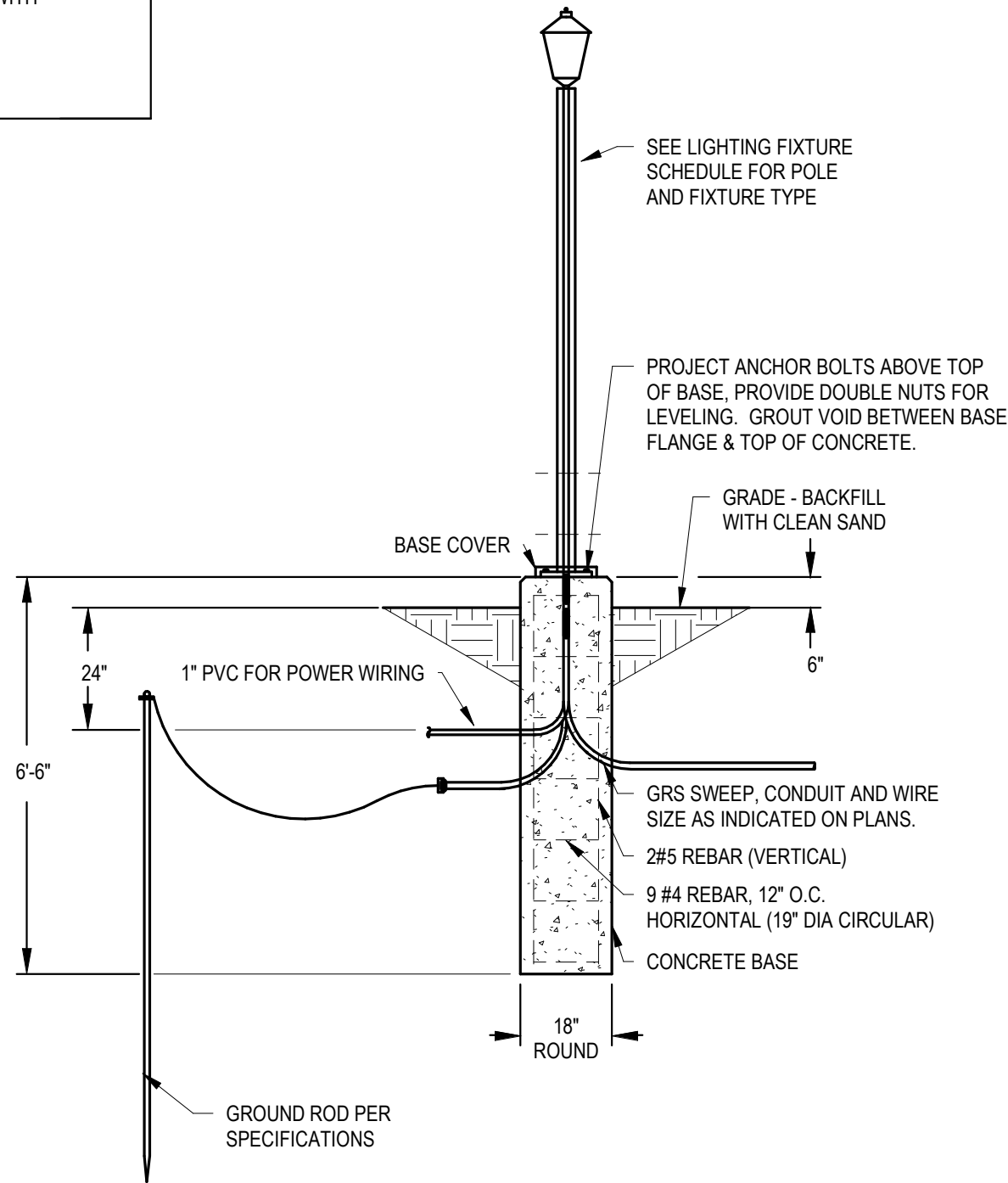
- CONCRETE: MNDOT MIX No. 3Y43, AIR ENTRAINED, 5000 PSI AFTER 28 DAYS, MAX AGGREGATE 3/4"
- REINFORCEMENT: TYPE A-615 NEW BILLET STOCK A.S.T.M. GRADE 60
- IF THE ANTICIPATED FORECAST TEMPERATURE IS 35° OR LESS, THE BASE SHALL BE INSULATED WITH EITHER BLANKETS OR POLY AND STRAW FOR A MINIMUM OF 3 DAYS.

2 PARKING LOT LIGHT BASE DETAIL  
NO SCALE

HT AFF	SYMBOL	DESCRIPTION
AS NOTED		SURFACE LIGHT (TYPE DENOTED)
PER SCHED		POLE MOUNTED LIGHT (TYPE DENOTED)
PER SCHED		POLE TOP LIGHT (TYPE DENOTED)
18"		DUPLEX RECEPT.
		UTILITY SERVICE POWER POLE (SITE)
4'-6"		KEYED NOTE (SEE SCHEDULE)
AS NOTED		UTILITY METER (SITE)
72***		SPECIAL RECEPT. OR CONN. (SEE SCHEDULE)
72***		SAFETY DISC. SW. (FUSED)
AS NOTED		CIRCUIT BREAKER PANEL
		PHOTOCCELL

ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED. DEVICES INDICATED AT 48" MAY NOT BE INSTALLED WITH ANY OPERABLE PART HIGHER THAN 48". DEVICES MAY BE INSTALLED IN CONCRETE MASONRY UNITS WITH THE TOP OF THE DEVICE AT 48".

\*\* DISTANCE TO TOP OF EQUIPMENT OR DEVICE



3 WALKING PATH LIGHT POLE DETAIL  
NO SCALE

LIGHTING FIXTURE SCHEDULE															
FIXTURE HOUSING				LIGHT SOURCE							BASIS OF DESIGN		APPROVED EQUALS		
TYPE	DESCRIPTION	LENS / DIFFUSER	MOUNTING	SOURCE	MINIMUM LUMEN OUTPUT (lm)	MINIMUM COLOR TEMP (KELVIN)	CRI	MINIMUM PROJECTED LIFE (HOURS)	DRIVER	VOLT	WATT	EMERGENCY COMPONENTS	MFR	CATALOG SERIES	NOTE
DD	12" DIAMETER CANOPY LUMINAIRE WITH TYPE 5 SQUARE DISTRIBUTION, DARK BRONZE FINISH, AND BIRD GUARD	ONE-PIECE LENS	CEILING SURFACE	LED	4500	3000	70+	L91 100,000	120V-277V, 700mA	120 V	35 W	--	BEACON	SRT1 EDGE-LIT SERIES	
AA1	SINGLE HEAD FULL CUT-OF AREA LUMINAIRE WITH DIE-CAST ALUMINUM HOUSING, FORWARD THROW MEDIUM DISTRIBUTION WITH HOUSE SIDE SHIELD AND ROOF MOUNTED 7-PIN CONTROL RECEPTACLE. FIXTURE-HEAD AND POLE COLOR: BLACK	CLEAR ACRYLIC	4" SQ. STRAIGHT 20' STEEL POLE	LED	10842	3000	70+	L70 100,000	120V-277V, 700mA	240 V	89 W	--	LITHONIA	DSX0	
AA2	SINGLE HEAD FULL CUT-OF AREA LUMINAIRE WITH DIE-CAST ALUMINUM HOUSING, TYPE II MEDIUM DISTRIBUTION WITH HOUSE SIDE SHIELD AND ROOF MOUNTED 7-PIN CONTROL RECEPTACLE. FIXTURE-HEAD AND POLE COLOR: BLACK	CLEAR ACRYLIC	4" SQ. STRAIGHT 20' STEEL POLE	LED	10876	3000	70+	L70 100,000	120V-277V, 700mA	240 V	89 W	--	LITHONIA	DSX0	
PP1	DECORATIVE POST-TOP CAGED ACORN LUMINAIRE, TYPE 2 DISTRIBUTION WITH HOUSE SIDE SHIELD AND ROOF MOUNTED 7-PIN CONTROL RECEPTACLE. FIXTURE HEAD AND POLE COLOR: BLACK	CLEAR PRISMATIC POLYCARBONATE OR GLASS ACORN	5" DIA. STRAIGHT FLUTED 12' ALUMINUM POLE	LED	2545	3000	70+	L70 70,000	120V-277V, 350mA	240 V	33 W	--	STERNBERG	A670TSRLD5 YALE 508BD5 FITTER	
PP2	DECORATIVE POST-TOP CAGED ACORN LUMINAIRE, TWO FIXTURE HEADS, TYPE 3 DISTRIBUTION WITH ROOF MOUNTED 7-PIN CONTROL RECEPTACLE. FIXTURE HEAD AND POLE COLOR: BLACK	CLEAR PRISMATIC POLYCARBONATE OR GLASS ACORN	5" DIA. STRAIGHT FLUTED 18' ALUMINUM POLE	LED	5330	3000	70+	L70 70,000	120V-277V, 350mA	240 V	66 W	--	STERNBERG	A670TSRLD5 YALE 508BD5 FITTER 480PM ARM SCC POST CENTER CAP	
<b>GENERAL NOTES:</b> A. WHERE "APPROVED EQUAL" IS LISTED IN THE MANUFACTURER COLUMN, FIXTURES MUST BE SUBMITTED AS A SUBSTITUTION FOR APPROVAL PRIOR TO BID SUBMISSION. <b>SCHEDULE NOTES:</b> 1. PROVIDE MOUNTING FOR SURFACE MOUNTED JUNCTION BOX.															



21 W. Superior St., Ste 500 | Duluth, MN 55802 | 218.727.8446

CLIENT:  
**CITY OF DULUTH**  
**PARKS & RECREATION**

**411 WEST FIRST ST**  
**DULUTH, MN 55802**

THIS SQUARE APPEARS 1/2"x1/2"  
ON FULL SIZE SHEETS

07/05/22 BID ISSUE  
NO DATE ISSUED FOR

1 07/27/22 ADDENDUM 02  
NO DATE REVISION

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.

Signature:   
Typed or Printed Name: MARK J. VINCENT  
Date: 07/05/22 Reg. No.: 52349

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PROJECT NAME:  
**LINCOLN PARK**  
**SITE IMPROVEMENTS**

**501 N 25TH AVE W**  
**DULUTH, MN 55806**

DRAWING TITLE:  
**ELECTRICAL SYMBOLS**  
**AND ABBREVIATIONS**

FILE: Q:\17Proj\170032\600 Drawings\MEP  
DRAWN BY: AML  
CHECKED BY: DAZ  
PROJ. NO.: 170032  
DRAWING NO:

**E0.01**