



**CITY OF DULUTH**  
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**Addendum #1**  
**File 15-0321**  
**Park Point Beach House Stairs**

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

- 1) The attached Helical Pile Notes are hereby included as drawing AD1.

Please acknowledge receipt of Addendum #1 by signing, dating, and submitting a copy with your bid/proposal. Thank you.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

# HELICAL PILE NOTES

## FOUNDATIONS

1. FROST DEPTH TO BE 6'-0" TO BOTTOM OF ALL PERIMETER AND EXTERIOR FOUNDATIONS.
2. FRAME STRUCTURE SHALL BE PILE SUPPORTED BY HELICAL PILES.
3. HELICAL PILES:
  - A. SEE PLANS FOR DESIGN (WORKING) LOAD ON EACH HELICAL PILE.
  - B. THE CONTRACTOR SHALL FURNISH AND INSTALL HELICAL SCREW PILES AND CONNECTIONS THAT WILL DEVELOP THE REQUIRED VERTICAL LOAD CAPACITIES, TENSION OR COMPRESSION, SHOWN ON THE DRAWINGS.
  - C. ALL COMPONENTS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE TO ASTM A 153
  - D. THE OVERALL LENGTH AND INSTALLED TORQUE OF THE HELICAL SCREW PILES SHALL BE SUCH THAT THE REQUIRED IN-SOIL CAPACITY IS DEVELOPED BY END BEARING ON THE HELIX PLATES IN AN APPROPRIATE STRATA. AT A MINIMUM, THE TOP OF HELIX SHALL BE LOCATED BELOW THE FROST DEPTH.
  - E. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER WORKING DRAWINGS AND DESIGN CALCULATIONS FOR THE PILE INSTALLATIONS. CONSTRUCTION METHODS USED FOR INSTALLATION SHALL ALSO BE SUBMITTED TO THE ENGINEER.
  - F. ALL PILES SHALL BE STEEL CONFORMING TO ASTM A36 WITH SIZE AS REQUIRED BY SUPPLIER.
  - G. PILE INSTALLATION SHALL BE MONITORED BY A QUALIFIED GEOTECHNICAL ENGINEER. THE DRIVING CRITERIA MAY BE MODIFIED TO SUIT THE SITE CONDITIONS ENCOUNTERED.



**RW Fern Associates Inc.**  
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CITY OF DULUTH, STAIR  
REPLACEMENT PROJECT  
PARK POINT BEACHHOUSE  
5000 MINNESOTA AVE,  
DULUTH, MN.

6-8-15 (AD1)  
RE-BID 5-27-15

Job No. 2369	Date: 03-5-13
Drawn By: mh, sw	Drawer: 28

AD1

of. 1