GARY NEW DULUTH RECREATION CENTER IMPROVEMENTS

OWNER
CITY OF DULUTH
PROPERTY AND FACILITIES MANAGEMENT
1582 W. MICHIGAN STREET
DULUTH, MN 55806
CITY CONTACT
TEL: (218) 626-5130 FAX: (218) 733-1418
HUMANRESOURCES@duluthmn.gov
ROB HUNDR

MANAGING PARTNER
GARY NEW DULUTH
DEVELOPMENT ALLIANCE
1511 WEST SUPERIOR STREET SUITE 2
DULUTH, MN 55806
TEL: (218) 855-1849
PROJECT CONTACT
GND@DEVELOPMENTALLIANCE.COM
MARK BOGREN

LANDSCAPE ARCHITECT
SAS+ASSOCIATES
219 WEST FIRST STREET, SUITE 350
DULUTH, MN 55802
PROJECT CONTACT
TEL: (218) 224-1905 FAX: (218) 722-6921
EMAIL: SASLANDARCH.COM
LUKE SYDOW

CONSTRUCTION COORDINATOR
KEAUS ANDERSON
2116 OVENTA STREET, DULUTH, MN 55807
PROJECT CONTACT
TEL: (218) 722-5775 FAX: (218) 725-8776
GREG.SCHENDEL@KEAUSANDERSON.COM
GREG.SCHENDEL

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THESE DESIGN DRAWINGS WERE FUND IN PART BY THE COASTAL ZONE MANAGEMENT ACT OF 1972, AS AMENDED BY THE FEDERAL OFFICE OF OCEAN AND COASTAL RESOURCES MANAGEMENT, IN CONJUNCTION WITH MINNESOTA'S LAKE SUPERIOR COASTAL PROGRAM.

The Gary Development Alliance, a 501(c)(3) non-profit, initiated a project to revitalize and transform the Gary New Duluth Recreation Area into a fully functioning community center and recreation area. The project has progressed to the point where it is a shared project with the strong support of the City of Duluth. Your private sector support in the form of below market value bid is necessary to ensure success. Donations tied to your bid can be tax deductible (check with your accountant to ensure compliance with applicable tax laws as you formalize your bid).
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<th>Symbol</th>
<th>Label</th>
<th>Description</th>
<th>Arrangement</th>
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FIXTURES MUST BE THE FOLLOWING:

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Date: 6/30/2015

Filename: F:\SAS\GARY\ALDLTG.AGI

ALD, Inc.
ARCHITECTURAL LIGHTING DESIGNS, INC.
2920 ANTHONY LANE
ST. ANTHONY, MN 55418
4" LATERAL DRAIN WITH SLEEVE 15' O.C.
COMPACTED SUBGRADE
SLOPE TO DRAIN 2% MIN/MAX
MODIFIED SOIL 10" DEPTH MIN.
SOD
6" DRAIN COLLECTOR TO DAYLIGHT INTO SWALE
14" SAND 100% PASSING #10 SIEVE

NOTE: SKATING AREA TO RECEIVE 4" OF MODIFIED SOIL AND 8" OF SAND PASSING THROUGH A #10 SIEVE.
STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
For Construction Activities
DATE: 5-12-15

SEQUENCE OF CONSTRUCTION
1. CONTRACTOR TO NOTIFY ALL CONCERNED AND GIVE 24 HOURS NOTICE OF START OF CONSTRUCTION.
2. CONTRACTOR TO SCHEDULE FULL VEHICLES SHUTTLE.
3. CONTRACTOR TO INSTALL SILT FENCE ADEQUATE DISTANCE FROM CONSTRUCTION ZONE TO PREVENT SEDIMENT FROM ENTERING STREAMS.
4. CONTRACTOR TO CONSTRUCT STORMWATER AND/OR TEMPORARY SEDIMENT CONTROL.
5. CONTRACTOR TO CONSTRUCT SWPPP AND PERMANENT CRITICAL ZONE.
6. CONTRACTOR TO INSTALL DANDY BAGS ON SLOPES.
7. CONTRACTOR TO INSTALL SILT FENCE AND SLOPE PROTECTION.
8. CONTRACTOR TO INSTALL TRACE Pit CRIT.
9. CONTRACTOR TO INSTALL EROSION CONTROL BARriers AROUND THE PERIMETER OF THE CONSTRUCTION SITE.
10. CONTRACTOR TO INSTALL TREES AND PLANTS AS PERMITTED.
11. CONTRACTOR TO INSTALL SEED BAGS FOR CONSTRUCTION ZONE.
12. CONTRACTOR TO INSTALL EROSION CONTROL BARriers AROUND THE PERIMETER OF THE CONSTRUCTION SITE.

DANDY BAG PROTECTION

SILT FENCE

SLOPE PROTECTION

TREE PROTECTION

ROCK CONSTRUCTION ENTRANCE
**DISCLAIMER**

Results may occur due to intolerances in calculation methods, testing methods and the data collected. These lighting calculations are not a substitute for independent engineering analysis by a professional engineer. These calculations are NOT valid for owner or city approval using any "non-ALD or architectural" lighting products or fixtures. Use of fixture sample, drawings, and lighting plan to city, engineer and landscape architect for prior approval.

**Table:**

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<tr>
<th>Symbol</th>
<th>Qty</th>
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<th>CalcType</th>
<th>Fc</th>
<th>Units</th>
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<td>LEOTEK ES1-24H-MV-NW-FT (Wall Mtd on beam in Gazebo)</td>
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1. BACKSTOP SECTION DETAIL
   (PROTECT EXISTING)

2. PORTABLE TOILET ENCLOSURE

3. STANDARD CHAIN LINK

4. FENCE FOUNDATION FOR CORNERS & DOORS

5. KNOCK DOWN BOLLARD
1. BIKE RACK BY OTHERS
2. INVERTED-U BIKE RACKS SHALL BE GALVANIZED AS PROVIDED BY MANUFACTURER.
3. CONTROL JOINT 1/4 DEPTH OF CONCRETE, 1/4" WIDE WHERE SHOWN ON PLAN
4. 7/8" DEEP GROOVE FILLED WITH 5/8" BACKER ROD AND FINISHED WITH MIN 1/2" X 1/4" JOINT SEALER OR VOID CAP, 1/4" GROOVE W/ 1/4" X 1/2" JOINT SEALER
5. 1/2" FIBER EXPANSION JOINT
6. CONCRETE WITH MEDIUM BROOM FINISH
7. 18" #4 REBAR @ MID-DEPTH 18" O.C.
8. NATIVE SOIL, COMPACTED AS PER SPECIFICATIONS
9. UNDISTURBED SUBGRADE

NOTES:
10. BIKE RACK BY OTHERS
11. INVERTED-U BIKE RACKS SHALL BE GALVANIZED AS PROVIDED BY MANUFACTURER.
12. CONTROL JOINT 1/4 DEPTH OF CONCRETE, 1/4" WIDE WHERE SHOWN ON PLAN
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14. 1/2" FIBER EXPANSION JOINT
15. CONCRETE WITH MEDIUM BROOM FINISH
16. 18" #4 REBAR @ MID-DEPTH 18" O.C.
17. NATIVE SOIL, COMPACTED AS PER SPECIFICATIONS
18. UNDISTURBED SUBGRADE

NOTES:
19. BIKE RACK BY OTHERS
20. INVERTED-U BIKE RACKS SHALL BE GALVANIZED AS PROVIDED BY MANUFACTURER.
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23. 1/2" FIBER EXPANSION JOINT
24. CONCRETE WITH MEDIUM BROOM FINISH
25. 18" #4 REBAR @ MID-DEPTH 18" O.C.
26. NATIVE SOIL, COMPACTED AS PER SPECIFICATIONS
27. UNDISTURBED SUBGRADE

NOTES:
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32. 1/2" FIBER EXPANSION JOINT
33. CONCRETE WITH MEDIUM BROOM FINISH
34. 18" #4 REBAR @ MID-DEPTH 18" O.C.
35. NATIVE SOIL, COMPACTED AS PER SPECIFICATIONS
36. UNDISTURBED SUBGRADE

NOTES:
37. BIKE RACK BY OTHERS
38. INVERTED-U BIKE RACKS SHALL BE GALVANIZED AS PROVIDED BY MANUFACTURER.
39. CONTROL JOINT 1/4 DEPTH OF CONCRETE, 1/4" WIDE WHERE SHOWN ON PLAN
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41. 1/2" FIBER EXPANSION JOINT
42. CONCRETE WITH MEDIUM BROOM FINISH
43. 18" #4 REBAR @ MID-DEPTH 18" O.C.