REQUEST FOR QUOTES
(SIMPLIFIED BID)
WWI Veterans Memorial Park Construction

RFQ NUMBER: 19-99247
QUOTES DUE Monday, March 18, 2019 BY 2:00 PM

PROJECT DESCRIPTION: Landscaping of Duluth’s Memorial Park, including, dirt, sod, concrete work, and plantings.

ANTICIPATED PROJECT START DATE: April 1, 2019

PROJECT COMPLETION DATE: The concrete base for the memorial must be complete and ready for Murphy Granite to install memorial by June 1. Deadline for substantial completion of project is June 15, 2019.

QUESTIONS: Please submit any questions regarding this project via e-mail to purchasing@duluthmn.gov. Responses will be sent to all invited suppliers/contractors.

Not less than the minimum salaries and prevailing wages as set forth in the attached documents must be paid on this project. The awarded contractor will be required to provide proof of insurance meeting the city’s requirements as outlined in the construction contract prior to commencement of work. If the cost of the project is over $25,000.00, the contractor will be required to sign the city standard construction contract and performance and payment bonds will be required. If the cost exceeds $50,000.00, a Responsible Contractor Form must be submitted. All of these documents can be reviewed on the city purchasing website at http://www.duluthmn.gov/purchasing/forms/

All construction projects must adhere to the 2017 City of Duluth, Minnesota Construction Standards. The Standards, along with other standard construction documents, may be found online at http://www.duluthmn.gov/engineering/standard-construction-specifications/.

Quotes may be e-mailed to purchasing@duluthmn.gov, mailed to the Purchasing Office, City Hall, 411 West 1st Street, Room 120, Duluth, MN 55802 or dropped off in person at the same address. Please reference RFQ 19-99247 in the subject line of your e-mail or on the envelope if mailing/dropping off.

The City of Duluth reserves the right to split the award where there is a substantial savings to the City, to waive informalities and to reject any and/or all quotes. Price may not be the only consideration for award. Quotes must be firm for a minimum of 30 days. Prevailing wages must be paid on this project. The most recent wage decision is attached.

The following documents must be submitted with your quote:

1. Responsible Contractor (for any project over $50,000) - No construction contract in excess of $50,000 will be awarded unless the Bidder is a “responsible contractor” as defined in Minnesota Statute §16C.285, subdivision 3. All Bidders submitting a quote for this project must verify that they meet the minimum criteria specified in the statute by submitting a Responsible Contractor Verification and Certification of Compliance form (attached) with their quote. The owner or officer of the company must sign the form under oath verifying compliance with each of the minimum criteria. Bidders must obtain verification of compliance from all subcontractors. Bidders must submit signed copies of verifications and certifications of compliance from subcontractors at the City’s request.

The awarded supplier/contractor will be required to submit the following forms before a contract will
be executed. Copies of standard contracts and forms are available for view and download on the City website at http://www.duluthmn.gov/purchasing/forms/:

1. **Insurance** – Contractor must provide proof of Public Liability (General Commercial), Automobile Liability, and Worker’s Compensation insurance meeting City requirements. The insurance requirements are listed in section 7 of the draft construction contract.

2. **Affidavit of Non-Collusion** – The successful bidder shall be required to execute an affidavit stating that he/she has not entered into a collusive agreement with any other person, firm, or corporation in regard to any bid submitted.

3. **Performance & Payment Bonds** – The awarded contractor will be required to submit performance and payments bonds in the full amount of the project cost prior to award.

4. **Affirmative Action/EEO** - The contractor must take affirmative action to ensure that the employees and applicants for employment are not discriminated against because of their race, color, creed, sex or national origin, and must meet the affirmative action goals. Contractors are encouraged to subcontract with Disadvantaged Business Enterprises (DBEs) when possible. A current list of certified DBEs is available on the Minnesota Unified Certification website at http://mnucp.metc.state.mn.us. Contractor will comply with all applicable Equal Employment Opportunity laws and regulations. Awarded contractor must submit an Equal Employment Opportunity (EEO) Affirmative Action Policy Statement & Compliance Certificate.

5. **Out of State Contractor** - Unless a State of Minnesota Certificate of Exemption is provided, any out-of-state bidder receiving a bid award will have 8% retained from invoice payments on any contracts over $50,000. Submit a signed copy of the signed exemption form when submitting Payment and Performance Bonds. Visit http://www.revenue.state.mn.us/Forms_and_Instructions/sde.pdf for this form.

The City of Duluth is an Equal Opportunity Employer. Contractor shall comply with all applicable Equal Employment Opportunity laws and regulations.

CITY OF DULUTH

Amanda Ashbach
Purchasing Agent
BID FORM
BID # 19-99247
WWI VETERANS MEMORIAL – MEMORIAL PARK CONSTRUCTION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lump Sum for Total Project</td>
<td>$</td>
</tr>
</tbody>
</table>

TOTAL BASE PRICE IN WRITING

ACKNOWLEDGMENT OF ADDENDA

<table>
<thead>
<tr>
<th>ADDENDUM #</th>
<th>INITIAL/DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDENDUM #</td>
<td>INITIAL/DATE</td>
</tr>
<tr>
<td>ADDENDUM #</td>
<td>INITIAL/DATE</td>
</tr>
</tbody>
</table>

Signature _______________________________________________________  Date  ___________________
Name/Title ______________________________________________________________________________
Company Name ___________________________________________________________________________
Address _________________________________________________________________________________
City, State, Zip __________________________________________________________________________
Tel. ________________________________  E-Mail _________________________________

If your organization is certified as a Disadvantaged Business Enterprise, please check here: ☐

Revised 6.3.16
Construction Type: Highway and Heavy

Region Number: 01

Counties within region:

- CARLTON-09
- COOK-16
- ITASCA-31
- KOOCHICHING-36
- LAKE-38
- PINE-58
- ST. LOUIS-69

Effective: 2018-11-14

This project is covered by Minnesota prevailing wage statutes. Wage rates listed below are the minimum hourly rates to be paid on this project.

All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at a rate of one and one half (1 1/2) times the basic hourly rate.

Violations should be reported to:

Department of Transportation
Office of Construction
Transportation Building MS650
John Ireland Blvd
St. Paul, MN 55155
(651) 366-4209

Refer questions concerning the prevailing wage rates to:

Department of Labor and Industry
Prevailing Wage Section
443 Lafayette Road N
St Paul, MN 55155
(651) 284-5091
DLI.PrevWage@state.mn.us

LABOR CODE AND CLASS
<table>
<thead>
<tr>
<th>LABORERS (101 - 112) (SPECIAL CRAFTS 701 - 730)</th>
<th>EFFECT DATE</th>
<th>BASIC RATE</th>
<th>FRINGE RATE</th>
<th>TOTAL RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>101 LABORER, COMMON (GENERAL LABOR WORK)</td>
<td>2018-11-14</td>
<td>30.78</td>
<td>19.32</td>
<td>50.10</td>
</tr>
<tr>
<td></td>
<td>2019-05-01</td>
<td>31.78</td>
<td>20.27</td>
<td>52.05</td>
</tr>
<tr>
<td>102 LABORER, SKILLED (ASSISTING SKILLED CRAFT JOURNEYMAN)</td>
<td>2018-11-14</td>
<td>30.78</td>
<td>19.32</td>
<td>50.10</td>
</tr>
<tr>
<td></td>
<td>2019-05-01</td>
<td>31.78</td>
<td>20.27</td>
<td>52.05</td>
</tr>
<tr>
<td>103 LABORER, LANDSCAPING (GARDENER, SOD LAYER AND NURSERY OPERATOR)</td>
<td>2018-11-14</td>
<td>23.02</td>
<td>15.99</td>
<td>39.01</td>
</tr>
<tr>
<td></td>
<td>2019-05-01</td>
<td>24.00</td>
<td>16.96</td>
<td>40.96</td>
</tr>
<tr>
<td>104 FLAG PERSON</td>
<td>2018-11-14</td>
<td>30.78</td>
<td>19.32</td>
<td>50.10</td>
</tr>
<tr>
<td></td>
<td>2019-05-01</td>
<td>31.78</td>
<td>20.27</td>
<td>52.05</td>
</tr>
<tr>
<td>105 WATCH PERSON</td>
<td>2018-11-14</td>
<td>27.23</td>
<td>19.07</td>
<td>46.30</td>
</tr>
<tr>
<td></td>
<td>2019-05-01</td>
<td>28.23</td>
<td>20.02</td>
<td>48.25</td>
</tr>
<tr>
<td>106 BLASTER</td>
<td>2018-11-14</td>
<td>32.23</td>
<td>17.02</td>
<td>49.25</td>
</tr>
<tr>
<td>107 PIPELAYER (WATER, SEWER AND GAS)</td>
<td>2018-11-14</td>
<td>33.28</td>
<td>19.32</td>
<td>52.60</td>
</tr>
<tr>
<td></td>
<td>2019-05-01</td>
<td>34.28</td>
<td>20.27</td>
<td>54.55</td>
</tr>
<tr>
<td>108 TUNNEL MINER</td>
<td>2018-11-14</td>
<td>31.48</td>
<td>19.32</td>
<td>50.80</td>
</tr>
<tr>
<td>109 UNDERGROUND AND OPEN DITCH LABORER (EIGHT FEET BELOW STARTING GRADE LEVEL)</td>
<td>2018-11-14</td>
<td>31.48</td>
<td>19.32</td>
<td>50.80</td>
</tr>
<tr>
<td></td>
<td>2019-05-01</td>
<td>32.48</td>
<td>20.27</td>
<td>52.75</td>
</tr>
<tr>
<td>110 SURVEY FIELD TECHNICIAN (OPERATE TOTAL STATION, GPS RECEIVER, LEVEL, ROD OR RANGE POLES, STEEL TAPE MEASUREMENT; MARK AND DRIVE STAKES; HAND OR POWER DIGGING FOR AND IDENTIFICATION OF MARKERS OR MONUMENTS;</td>
<td>2018-11-14</td>
<td>30.78</td>
<td>19.32</td>
<td>50.10</td>
</tr>
</tbody>
</table>
PERFORM AND CHECK CALCULATIONS; REVIEW AND UNDERSITAND CONSTRUCTION PLANS AND LAND SURVEY MATERIALS). THIS CLASSIFICATION DOES NOT APPLY TO THE WORK PERFORMED ON A PREVAILING WAGE PROJECT BY A LAND SURVEYOR WHO IS LICENSED PURSUANT TO MINNESOTA STATUTES, SECTIONS 326.02 TO 326.15.

111 TRAFFIC CONTROL PERSON (TEMPORARY SIGNAGE) 2018-11-14 29.23 17.02 46.25

112 QUALITY CONTROL TESTER (FIELD AND COVERED OFF-SITE FACILITIES; TESTING OF AGGREGATE, ASPHALT, AND CONCRETE MATERIALS); LIMITED TO MN DOT HIGHWAY AND HEAVY CONSTRUCTION PROJECTS WHERE THE MN DOT HAS RETAINED QUALITY ASSURANCE PROFESSIONALS TO REVIEW AND INTERPRET THE RESULTS OF QUALITY CONTROL TESTERS. SERVICES PROVIDED BY THE CONTRACTOR.

SPECIAL EQUIPMENT (201 - 204)

201 ARTICULATED HAULER 2018-11-14 36.04 20.30 56.34
2019-05-01 37.79 20.50 58.29

202 BOOM TRUCK 2018-11-14 36.04 20.30 56.34

203 LANDSCAPING EQUIPMENT, INCLUDES HYDRO SEEDER OR MULCHER, SOD ROLLER, FARM TRACTOR WITH ATTACHMENT SPECIFICALLY SEEDING, SODDING, OR PLANT, AND TWO-FRAMED FORKLIFT (EXCLUDING FRONT, POSIT-TRACK, AND SKID STEER LOADERS), NO EARTHWORK OR GRADING FOR ELEVATIONS 2018-11-14 30.44 19.70 50.14

204 OFF-ROAD TRUCK 2018-11-14 31.37 16.70 48.07

205 PAVEMENT MARKING OR MARKING REMOVAL EQUIPMENT (ONE OR TWO PERSON OPERATORS); SELF-PROPELLED TRUCK OR TRAILER MOUNTED UNITS. 2018-11-14 28.36 20.89 49.25
HIGHWAY/HEAVY POWER EQUIPMENT OPERATOR

GROUP 2

2018-11-14 36.89 20.30 57.19
2019-05-01 38.64 20.50 59.14

302 HELICOPTER PILOT (HIGHWAY AND HEAVY ONLY)
303 CONCRETE PUMP (HIGHWAY AND HEAVY ONLY)
304 ALL CRANES WITH OVER 135-FOOT BOOM, EXCLUDING JIB (HIGHWAY AND HEAVY ONLY)
305 DRAGLINE, CRAWLER, HYDRAULIC BACKHOE (TRACK OR WHEEL MOUNTED) AND/OR OTHER SIMILAR EQUIPMENT WITH SHOVEL-TYPE CONTROLS THREE CUBIC YARDS AND OVER MANUFACTURER.S RATED CAPACITY INCLUDING ALL ATTACHMENTS. (HIGHWAY AND HEAVY ONLY)
306 GRADER OR MOTOR PATROL
307 PILE DRIVING (HIGHWAY AND HEAVY ONLY)
308 TUGBOAT 100 H.P. AND OVER WHEN LICENSE REQUIRED (HIGHWAY AND HEAVY ONLY)

GROUP 3

2018-11-14 36.34 20.30 56.64
2019-05-01 38.09 20.50 58.59

309 ASPHALT BITUMINOUS STABILIZER PLANT
310 CABLEWAY
311 CONCRETE MIXER, STATIONARY PLANT (HIGHWAY AND HEAVY ONLY)
312 DERRICK (GUY OR STIFFLEGS)(POWER)(SKIDS OR STATIONARY) (HIGHWAY AND HEAVY ONLY)
313 DRAGLINE, CRAWLER, HYDRAULIC BACKHOE (TRACK OR WHEEL MOUNTED) AND/OR SIMILAR EQUIPMENT WITH SHOVEL-TYPE CONTROLS, UP TO THREE CUBIC YARDS MANUFACTURER.S RATED CAPACITY INCLUDING ALL ATTACHMENTS (HIGHWAY AND HEAVY ONLY)
314 DREDGE OR ENGINEERS, DREDGE (POWER) AND ENGINEER
315 FRONT END LOADER, FIVE CUBIC YARDS AND OVER INCLUDING ATTACHMENTS. (HIGHWAY AND HEAVY ONLY)
316 LOCOMOTIVE CRANE OPERATOR
317 MIXER (PAVING) CONCRETE PAVING, ROAD MOLE, INCLUDING MUCKING OPERATIONS, CONWAY OR SIMILAR TYPE
318 MECHANIC . WELDER ON POWER EQUIPMENT (HIGHWAY AND HEAVY ONLY)
319 TRACTOR . BOOM TYPE (HIGHWAY AND HEAVY ONLY)
320 TANDEM SCRAPER
321 TRUCK CRANE . CRAWLER CRANE (HIGHWAY AND HEAVY ONLY)
322 TUGBOAT 100 H.P AND OVER (HIGHWAY AND HEAVY ONLY)
323 AIR TRACK ROCK DRILL
324 AUTOMATIC ROAD MACHINE (CMI OR SIMILAR) (HIGHWAY AND HEAVY ONLY)
325 BACKFILLER OPERATOR
326 CONCRETE BATCH PLANT OPERATOR (HIGHWAY AND HEAVY ONLY)
327 BITUMINOUS ROLLERS, RUBBER TIRED OR STEEL DRUMMED (EIGHT TONS AND OVER)
328 BITUMINOUS SPREADER AND FINISHING MACHINES (POWER), INCLUDING PAVERS, MACRO SURFACING AND MICRO SURFACING, OR SIMILAR TYPES (OPERATOR AND SCREED PERSON)
329 BROKK OR R.T.C. REMOTE CONTROL OR SIMILAR TYPE WITH ALL ATTACHMENTS
330 CAT CHALLENGER TRACTORS OR SIMILAR TYPES PULLING ROCK WAGONS, BULLDOZERS AND SCRAPERS
331 CHIP HARVESTER AND TREE CUTTER
332 CONCRETE DISTRIBUTOR AND SPREADER FINISHING MACHINE, LONGITUDINAL FLOAT, JOINT MACHINE, AND SPRAY MACHINE
333 CONCRETE MIXER ON JOBSITE (HIGHWAY AND HEAVY ONLY)
334 CONCRETE MOBIL (HIGHWAY AND HEAVY ONLY)
335 CRUSHING PLANT (GRAVEL AND STONE) OR GRAVEL WASHING, CRUSHING AND SCREENING PLANT
336 CURB MACHINE
337 DIRECTIONAL BORING MACHINE
338 DOPE MACHINE (PIPELINE)
339 DRILL RIGS, HEAVY ROTARY OR CHURN OR CABLE DRILL (HIGHWAY AND HEAVY ONLY)
340 DUAL TRACTOR
341 ELEVATING GRADER
342 FORK LIFT OR STRADDLING CARRIER (HIGHWAY AND HEAVY ONLY)
343 FORK LIFT OR LUMBER STACKER (HIGHWAY AND HEAVY ONLY)
344 FRONT END, SKID STEER OVER 1 TO 5 C YD
345 GPS REMOTE OPERATING OF EQUIPMENT
346 HOIST ENGINEER (POWER) (HIGHWAY AND HEAVY ONLY)
347 HYDRAULIC TREE PLANTER
348 LAUNCHER PERSON (TANKER PERSON OR PILOT LICENSE)
349 LOCOMOTIVE (HIGHWAY AND HEAVY ONLY)
350 MILLING, GRINDING, PLANNING, FINE GRADE, OR TRIMMER MACHINE
351 MULTIPLE MACHINES, SUCH AS AIR COMPRESSORS, WELDING MACHINES, GENERATORS, PUMPS (HIGHWAY AND HEAVY ONLY)
352 PAVEMENT BREAKER OR TAMPING MACHINE (POWER DRIVEN) MIGHTY MITE OR SIMILAR TYPE
353 PICKUP SWEEPER, ONE CUBIC YARD AND OVER HOPPER CAPACITY (HIGHWAY AND HEAVY ONLY)
354 PIPELINE WRAPPING, CLEANING OR BENDING MACHINE
355 POWER PLANT ENGINEER, 100 KWH AND OVER (HIGHWAY AND HEAVY ONLY)
356 POWER ACTUATED HORIZONTAL BORING MACHINE, OVER SIX INCHES
357 PUGMILL
358 PUMPCRETE (HIGHWAY AND HEAVY ONLY)
359 RUBBER-TIRED FARM TRACTOR WITH BACKHOE INCLUDING ATTACHMENTS (HIGHWAY AND HEAVY ONLY)
360 SCRAPER
361 SELF-PROPELLED SOIL STABILIZER
362 SLIP FORM (POWER DRIVEN) (PAVING)
363 TIE TAMPER AND BALLAST MACHINE
364 TRACTOR, BULLDOZER (HIGHWAY AND HEAVY ONLY)
365 TRACTOR, WHEEL TYPE, OVER 50 H.P. WITH PTO UNRELATED TO LANDSCAPING (HIGHWAY AND HEAVY ONLY)
366 TRENCHING MACHINE (SEWER, WATER, GAS) EXCLUDES WALK BEHIND TRENCHER (HIGHWAY AND HEAVY ONLY)
367 TUB GRINDER, MORBARK, OR SIMILAR TYPE
368 WELL POINT DISMANTLING OR INSTALLATION (HIGHWAY AND HEAVY ONLY)

GROUP 5

<table>
<thead>
<tr>
<th>Date</th>
<th>Rate</th>
<th>Value</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018-11-14</td>
<td>33.00</td>
<td>20.30</td>
<td>53.30</td>
</tr>
<tr>
<td>2019-05-01</td>
<td>34.75</td>
<td>20.50</td>
<td>55.25</td>
</tr>
</tbody>
</table>

369 AIR COMPRESSOR, 600 CFM OR OVER (HIGHWAY AND HEAVY ONLY)
370 BITUMINOUS ROLLER (UNDER EIGHT TONS)
371 CONCRETE SAW (MULTIPLE BLADE) (POWER OPERATED)
372 FORM TRENCH DIGGER (POWER)
373 FRONT END, SKID STEER UP TO 1C YD
374 GUNITE GUNALL (HIGHWAY AND HEAVY ONLY)
375 HYDRAULIC LOG SPLITTER
376 LOADER (BARBER GREENE OR SIMILAR TYPE)
377 POST HOLE DRIVING MACHINE/POST HOLE AUGER
378 POWER ACTUATED AUGER AND BORING MACHINE
379 POWER ACTUATED JACK
380 PUMP (HIGHWAY AND HEAVY ONLY)
381 SELF-PROPELLED CHIP SPREADER (FLAHERTY OR SIMILAR)
382 SHEEP FOOT COMPACTOR WITH BLADE . 200 H.P. AND OVER
383 SHOULDERING MACHINE (POWER) APSCO OR SIMILAR TYPE INCLUDING SELF-PROPELLED SAND AND CHIP SPREADER
384 STUMP CHIPPER AND TREE CHIPPER
385 TREE FARMER (MACHINE)

GROUP 6

2018-11-14  31.79  20.30  52.09
2019-05-01  33.54  20.50  54.04

387 CAT, CHALLENGER, OR SIMILAR TYPE OF TRACTORS, WHEN PULLING DISK OR ROLLER
388 CONVEYOR (HIGHWAY AND HEAVY ONLY)
389 DREDGE DECK HAND
390 FIRE PERSON OR TANK CAR HEATER (HIGHWAY AND HEAVY ONLY)
391 GRAVEL SCREENING PLANT (PORTABLE NOT CRUSHING OR WASHING)
392 GREASER (TRACTOR) (HIGHWAY AND HEAVY ONLY)
393 LEVER PERSON
394 OILER (POWER SHOVEL, CRANE, TRUCK CRANE, DRAGLINE, CRUSHERS, AND MILLING MACHINES, OR OTHER SIMILAR HEAVY EQUIPMENT) (HIGHWAY AND HEAVY ONLY)
395 POWER SWEEPER
396 SHEEP FOOT ROLLER AND ROLLERS ON GRAVEL COMPACTION, INCLUDING VIBRATING ROLLERS
397 TRACTOR, WHEEL TYPE, OVER 50 H.P., UNRELATED TO LANDSCAPING

TRUCK DRIVERS

GROUP 1

2018-11-14  30.85  17.50  48.35

601 MECHANIC, WELDER
602 TRACTOR TRAILER DRIVER
603 TRUCK DRIVER (HAULING MACHINERY INCLUDING OPERATION OF HAND AND POWER OPERATED WINCHES)

GROUP 2

2018-11-14  30.30  17.50  47.80

604 FOUR OR MORE AXLE UNIT, STRAIGHT BODY TRUCK

GROUP 3

2018-11-14  27.82  17.20  45.02

605 BITUMINOUS DISTRIBUTOR DRIVER
606 BITUMINOUS DISTRIBUTOR (ONE PERSON OPERATION)
607 THREE AXLE UNITS
<table>
<thead>
<tr>
<th>Code</th>
<th>Job Title</th>
<th>Rate1</th>
<th>Benefit1</th>
<th>Rate2</th>
<th>Benefit2</th>
</tr>
</thead>
<tbody>
<tr>
<td>608</td>
<td>BITUMINOUS DISTRIBUTOR SPRAY OPERATOR (REAR AND OILER)</td>
<td>29.95</td>
<td>17.50</td>
<td>47.45</td>
<td></td>
</tr>
<tr>
<td>609</td>
<td>DUMP PERSON</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>610</td>
<td>GREASER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>611</td>
<td>PILOT CAR DRIVER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>612</td>
<td>RUBBER-TIRED, SELF-PROPELLED PACKER UNDER 8 TONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613</td>
<td>TWO AXLE UNIT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>614</td>
<td>SLURRY OPERATOR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>615</td>
<td>TANK TRUCK HELPER (GAS, OIL, ROAD OIL, AND WATER)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>616</td>
<td>TRACTOR OPERATOR, UNDER 50 H.P.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SPECIAL CRAFTS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Job Title</th>
<th>Rate1</th>
<th>Benefit1</th>
<th>Rate2</th>
<th>Benefit2</th>
</tr>
</thead>
<tbody>
<tr>
<td>701</td>
<td>HEATING AND FROST INSULATORS</td>
<td>40.31</td>
<td>16.75</td>
<td>57.06</td>
<td></td>
</tr>
<tr>
<td>702</td>
<td>BOILERMakers</td>
<td>37.22</td>
<td>27.14</td>
<td>64.36</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2019-01-01</td>
<td>38.33</td>
<td>27.43</td>
<td>65.76</td>
</tr>
<tr>
<td>703</td>
<td>BRICKLAYERS</td>
<td>32.91</td>
<td>22.82</td>
<td>55.73</td>
<td></td>
</tr>
<tr>
<td>704</td>
<td>CARPENTERS</td>
<td>36.15</td>
<td>20.43</td>
<td>56.58</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2019-05-01</td>
<td>38.10</td>
<td>20.43</td>
<td>58.53</td>
</tr>
<tr>
<td>705</td>
<td>CARPET LAYERS (LINOLEUM)</td>
<td>32.13</td>
<td>12.85</td>
<td>44.98</td>
<td></td>
</tr>
<tr>
<td>706</td>
<td>CEMENT MASONS</td>
<td>34.80</td>
<td>19.18</td>
<td>53.98</td>
<td></td>
</tr>
<tr>
<td>707</td>
<td>ELECTRICIANS</td>
<td>36.85</td>
<td>26.20</td>
<td>63.05</td>
<td></td>
</tr>
<tr>
<td>711</td>
<td>GROUND PERSON</td>
<td>31.48</td>
<td>15.66</td>
<td>47.14</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2019-04-01</td>
<td>32.42</td>
<td>16.23</td>
<td>48.65</td>
</tr>
<tr>
<td>712</td>
<td>IRONWORKERS</td>
<td>32.64</td>
<td>27.85</td>
<td>60.49</td>
<td></td>
</tr>
<tr>
<td>713</td>
<td>LINEMAN</td>
<td>44.97</td>
<td>19.44</td>
<td>64.41</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2019-04-01</td>
<td>46.32</td>
<td>20.12</td>
<td>66.44</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------</td>
<td>------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>714</td>
<td>MILLWRIGHT</td>
<td>38.07</td>
<td>40.02</td>
<td>40.17</td>
<td></td>
</tr>
<tr>
<td>715</td>
<td>PAINTERS (INCLUDING HAND BRUSHED, HAND SPRAYED, AND THE TAPING OF PAVEMENT MARKINGS)</td>
<td>30.96</td>
<td>39.96</td>
<td>39.96</td>
<td></td>
</tr>
<tr>
<td>716</td>
<td>PILEDRIVER (INCLUDING VIBRATORY DRIVER OR EXTRACTOR FOR PILING AND SHEETING OPERATIONS)</td>
<td>38.01</td>
<td>39.96</td>
<td>39.96</td>
<td></td>
</tr>
<tr>
<td>717</td>
<td>PIPEFITTERS . STEAMFITTERS</td>
<td>39.99</td>
<td>31.30</td>
<td>31.30</td>
<td></td>
</tr>
<tr>
<td>719</td>
<td>PLUMBERS</td>
<td>43.40</td>
<td>19.61</td>
<td>19.61</td>
<td></td>
</tr>
<tr>
<td>721</td>
<td>SHEET METAL WORKERS</td>
<td>32.25</td>
<td>22.23</td>
<td>22.23</td>
<td></td>
</tr>
<tr>
<td>723</td>
<td>TERRAZZO WORKERS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FOR RATE CALL 651-284-5091 OR EMAIL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><a href="mailto:DLI.PREVWAGE@STATE.MN.US">DLI.PREVWAGE@STATE.MN.US</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>724</td>
<td>TILE SETTERS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FOR RATE CALL 651-284-5091 OR EMAIL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><a href="mailto:DLI.PREVWAGE@STATE.MN.US">DLI.PREVWAGE@STATE.MN.US</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>725</td>
<td>TILE FINISHERS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FOR RATE CALL 651-284-5091 OR EMAIL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><a href="mailto:DLI.PREVWAGE@STATE.MN.US">DLI.PREVWAGE@STATE.MN.US</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>727</td>
<td>WIRING SYSTEM TECHNICIAN</td>
<td>38.97</td>
<td>40.17</td>
<td>41.61</td>
<td></td>
</tr>
<tr>
<td>728</td>
<td>WIRING SYSTEMS INSTALLER</td>
<td>27.30</td>
<td>28.14</td>
<td>28.14</td>
<td></td>
</tr>
<tr>
<td>729</td>
<td>ASBESTOS ABATEMENT WORKER</td>
<td>30.83</td>
<td>31.78</td>
<td>31.78</td>
<td></td>
</tr>
</tbody>
</table>
730 SIGN ERECTOR FOR RATE CALL 651-284-5091 OR EMAIL DLI.PREVWAGE@STATE.MN.US
Revised 9/29/2015  
Page 1 of 5

**Minn. Stat. § 16C.285, Subd. 7. IMPLEMENTATION.** … any prime contractor or subcontractor or motor carrier that does not meet the minimum criteria in subdivision 3 or fails to verify that it meets those criteria is not a responsible contractor and is not eligible to be awarded a construction contract for the project or to perform work on the project…

**Minn. Stat. § 16C.285, Subd. 3. RESPONSIBLE CONTRACTOR, MINIMUM CRITERIA.** “Responsible contractor” means a contractor that conforms to the responsibility requirements in the solicitation document for its portion of the work on the project and verifies that it meets the following minimum criteria:

<table>
<thead>
<tr>
<th>(1) The Contractor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) is in compliance with workers' compensation and unemployment insurance requirements;</td>
</tr>
<tr>
<td>(ii) is in compliance with Department of Revenue and Department of Employment and Economic Development registration requirements if it has employees;</td>
</tr>
<tr>
<td>(iii) has a valid federal tax identification number or a valid Social Security number if an individual; and</td>
</tr>
<tr>
<td>(iv) has filed a certificate of authority to transact business in Minnesota with the Secretary of State if a foreign corporation or cooperative.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(2) The contractor or related entity is in compliance with and, during the three-year period before submitting the verification, has not violated section 177.24, 177.25, 177.41 to 177.44, 181.13, 181.14, or 181.722, and has not violated United States Code, title 29, sections 201 to 219, or United States Code, title 40, sections 3141 to 3148. For purposes of this clause, a violation occurs when a contractor or related entity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) repeatedly fails to pay statutorily required wages or penalties on one or more separate projects for a total underpayment of $25,000 or more within the three-year period, provided that a failure to pay is “repeated” only if it involves two or more separate and distinct occurrences of underpayment during the three-year period;</td>
</tr>
<tr>
<td>(ii) has been issued an order to comply by the commissioner of Labor and Industry that has become final;</td>
</tr>
<tr>
<td>(iii) has been issued at least two determination letters within the three-year period by the Department of Transportation finding an underpayment by the contractor or related entity to its own employees;</td>
</tr>
<tr>
<td>(iv) has been found by the commissioner of Labor and Industry to have repeatedly or willfully violated any of the sections referenced in this clause pursuant to section 177.27;</td>
</tr>
<tr>
<td>(v) has been issued a ruling or findings of underpayment by the administrator of the Wage and Hour Division of the United States Department of Labor that have become final or have been upheld by an administrative law judge or the Administrative Review Board; or</td>
</tr>
</tbody>
</table>
| (vi) has been found liable for underpayment of wages or penalties or misrepresenting a construction worker as an independent contractor in an action brought in a court having jurisdiction. Provided that, if the contractor or related entity contests a determination of underpayment by the Department of Transportation in a contested case proceeding, a violation does not occur until the contested case proceeding has concluded with a determination that the contractor or related entity underpaid wages or penalties;**
(3) The contractor or related entity is in compliance with and, during the three-year period before submitting the verification, has not violated section 181.723 or chapter 326B. For purposes of this clause, a violation occurs when a contractor or related entity has been issued a final administrative or licensing order;*

(4) The contractor or related entity has not, more than twice during the three-year period before submitting the verification, had a certificate of compliance under section 363A.36 revoked or suspended based on the provisions of section 363A.36, with the revocation or suspension becoming final because it was upheld by the Office of Administrative Hearings or was not appealed to the office;*

(5) The contractor or related entity has not received a final determination assessing a monetary sanction from the Department of Administration or Transportation for failure to meet targeted group business, disadvantaged business enterprise, or veteran-owned business goals, due to a lack of good faith effort, more than once during the three-year period before submitting the verification;*

(6) The contractor or related entity is not currently suspended or debarred by the federal government or the state of Minnesota or any of its departments, commissions, agencies, or political subdivisions that have authority to debar a contractor; and

(7) All subcontractors and motor carriers that the contractor intends to use to perform project work have verified to the contractor through a signed statement under oath by an owner or officer that they meet the minimum criteria listed in clauses (1) to (6).

---

Minn. Stat. § 16C.285, Subd. 5. **SUBCONTRACTOR VERIFICATION.**

A prime contractor or subcontractor shall include in its verification of compliance under subdivision 4 a list of all of its first-tier subcontractors that it intends to retain for work on the project. Prior to execution of a construction contract, and as a condition precedent to the execution of a construction contract, the apparent successful prime contractor shall submit to the contracting authority a supplemental verification under oath confirming compliance with subdivision 3, clause (7). Each contractor or subcontractor shall obtain from all subcontractors with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each subcontractor.

If a prime contractor or any subcontractor retains additional subcontractors on the project after submitting its verification of compliance, the prime contractor or subcontractor shall obtain verifications of compliance from each additional subcontractor with which it has a direct contractual relationship and shall submit a supplemental verification confirming compliance with subdivision 3, clause (7), within 14 days of retaining the additional subcontractors.

A prime contractor shall submit to the contracting authority upon request copies of the signed verifications of compliance from all subcontractors of any tier pursuant to subdivision 3, clause (7). A prime contractor and subcontractors shall not be responsible for the false statements of any subcontractor with which they do not have a direct contractual relationship. A prime contractor and subcontractors shall be responsible for false statements by their first-tier subcontractors with which they have a direct contractual relationship only if they accept the verification of compliance with actual knowledge that it contains a false statement.

Subd. 5a. **Motor carrier verification.** A prime contractor or subcontractor shall obtain annually from all motor carriers with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each motor carrier. A prime contractor or subcontractor shall require each such motor carrier to provide it with immediate written notification in the event that the motor carrier no longer meets one or more of the minimum criteria in subdivision 3 after submitting its annual verification. A motor carrier shall be ineligible to perform work on a project covered by this section if it does not meet all the minimum criteria in subdivision 3. Upon request, a prime contractor or subcontractor shall submit to the contracting authority the signed verifications of compliance from all motor carriers providing for-hire transportation of materials, equipment, or supplies for a project.
Minn. Stat. § 16C.285, Subd. 4. VERIFICATION OF COMPLIANCE.

A contractor responding to a solicitation document of a contracting authority shall submit to the contracting authority a signed statement under oath by an owner or officer verifying compliance with each of the minimum criteria in subdivision 3, with the exception of clause (7), at the time that it responds to the solicitation document.

A contracting authority may accept a signed statement under oath as sufficient to demonstrate that a contractor is a responsible contractor and shall not be held liable for awarding a contract in reasonable reliance on that statement. A prime contractor, subcontractor, or motor carrier that fails to verify compliance with any one of the required minimum criteria or makes a false statement under oath in a verification of compliance shall be ineligible to be awarded a construction contract on the project for which the verification was submitted.

A false statement under oath verifying compliance with any of the minimum criteria may result in termination of a construction contract that has already been awarded to a prime contractor or subcontractor or motor carrier that submits a false statement. A contracting authority shall not be liable for declining to award a contract or terminating a contract based on a reasonable determination that the contractor failed to verify compliance with the minimum criteria or falsely stated that it meets the minimum criteria. A verification of compliance need not be notarized. An electronic verification of compliance made and submitted as part of an electronic bid shall be an acceptable verification of compliance under this section provided that it contains an electronic signature as defined in section 325L.02, paragraph (h).

CERTIFICATION

By signing this document I certify that I am an owner or officer of the company, and I swear under oath that:

1) My company meets each of the Minimum Criteria to be a responsible contractor as defined herein and is in compliance with Minn. Stat. § 16C.285, and

2) if my company is awarded a contract, I will submit Attachment A-1 prior to contract execution, and

3) if my company is awarded a contract, I will also submit Attachment A-2 as required.

Authorized Signature of Owner or Officer:                  Printed Name:

Title:                                               Date:

Company Name:

NOTE: Minn. Stat. § 16C.285, Subd. 2, (c) If only one prime contractor responds to a solicitation document, a contracting authority may award a construction contract to the responding prime contractor even if the minimum criteria in subdivision 3 are not met.
ATTACHMENT A-1

FIRST-TIER SUBCONTRACTORS LIST

SUBMIT PRIOR TO EXECUTION OF A CONSTRUCTION CONTRACT

STATE PROJECT NUMBER: ________________________________

Minn. Stat. § 16C.285, Subd. 5. A prime contractor or subcontractor shall include in its verification of compliance under subdivision 4 a list of all of its first-tier subcontractors that it intends to retain for work on the project. Prior to execution of a construction contract, and as a condition precedent to the execution of a construction contract, the apparent successful prime contractor shall submit to the contracting authority a supplemental verification under oath confirming compliance with subdivision 3, clause (7). Each contractor or subcontractor shall obtain from all subcontractors with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each subcontractor.

<table>
<thead>
<tr>
<th>FIRST TIER SUBCONTRACTOR NAMES*</th>
<th>Name of city where company home office is located</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Legal name of company as registered with the Secretary of State)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Attach additional sheets as needed for submission of all first-tier subcontractors.

SUPPLEMENTAL CERTIFICATION FOR ATTACHMENT A-1

By signing this document I certify that I am an owner or officer of the company, and I swear under oath that:

All first-tier subcontractors listed on attachment A-1 have verified through a signed statement under oath by an owner or officer that they meet the minimum criteria to be a responsible contractor as defined in Minn. Stat. § 16C.285.

Authorized Signature of Owner or Officer: ________________________________

Printed Name: ________________________________

Title: ________________________________

Date: ________________________________

Company Name: ________________________________
ATTACHMENT A-2

ADDITIONAL SUBCONTRACTORS LIST

PRIME CONTRACTOR TO SUBMIT AS SUBCONTRACTORS ARE ADDED TO THE PROJECT

STATE PROJECT NUMBER: ____________________________________________________

This form must be submitted to the Project Manager or individual as identified in the solicitation document.

Minn. Stat. § 16C.285, Subd. 5. … If a prime contractor or any subcontractor retains additional subcontractors on the project after submitting its verification of compliance, the prime contractor or subcontractor shall obtain verifications of compliance from each additional subcontractor with which it has a direct contractual relationship and shall submit a supplemental verification confirming compliance with subdivision 3, clause (7), within 14 days of retaining the additional subcontractors. …

<table>
<thead>
<tr>
<th>ADDITIONAL SUBCONTRACTOR NAMES* (Legal name of company as registered with the Secretary of State)</th>
<th>Name of city where company home office is located</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Attach additional sheets as needed for submission of all additional subcontractors.

SUPPLEMENTAL CERTIFICATION FOR ATTACHMENT A-2

By signing this document I certify that I am an owner or officer of the company, and I swear under oath that:

All additional subcontractors listed on Attachment A-2 have verified through a signed statement under oath by an owner or officer that they meet the minimum criteria to be a responsible contractor as defined in Minn. Stat. § 16C.285.

Authorized Signature of Owner or Officer: Printed Name:

Title: Date:

Company Name:
AFFIDAVIT AND INFORMATION REQUIRED OF BIDDERS

Affidavit of Non-Collusion:

I hereby swear (or affirm) under penalty of perjury:

1) That I am the bidder (if the bidder is an individual), a partner in the bidder (if the bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the bidder is a corporation);

2) That the attached bid or bids have been arrived at by the bidder independently and have been submitted without collusion with and without agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment or services described in the invitation to bid, designed to limit independent bidding or competition;

3) That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids and will not be communicated to any such person prior to the official opening of the bid or bids;

4) That a family relationship between a City of Duluth employee and bidder/proposer are in non-collusion; and

5) That I have fully informed myself regarding the accuracy of the statements made in this affidavit.

Signed: __________________________________________________________

Firm Name: ________________________________________________________

Subscribed and sworn to me before this _____ day of_____________________, _________

NOTARY PUBLIC ______________________________________________________

My commission expires: _______________________________________________

Bidder’s Federal Identification Number ___________________________________
DULUTH MEMORIAL PARK
WWI VETERANS MEMORIAL
DULUTH, MN 55807

PROJECT # 18-046

GENERAL NOTES

1. It is the Contractor's responsibility to locate and protect all utilities.
2. Contractor is to protect all curbs, sidewalks, paved areas, landscaping, trees, and other features within the project vicinity during construction.
3. Allработка control and site protection is the responsibility of the Contractor.
4. Excess materials not defined by changes shall be disposed of by Contractor per local ordinance.
5. The Contractor shall take all necessary precautions to prevent oil, soil, and other suspended particles from being discharged to the streets or water drainage structures in the construction vicinity. The cost of this work shall be considered incidental, unless paid for specifically in the plan.
6. Contractor to provide submitted for all materials to landscape architect for approval prior to installation.
7. All terrain and site elements (including the road system, storage, and staging) to be otherwise specified, site, receive soil.
8. Existing topography and site dimensions may vary from that shown on the plans. It is the Contractor's responsibility to field verify and notify landscape architect of discrepancies.
9. All testing will be paid and conducted by Owner. Contractor must notify landscape architect 48 hours in advance to commence necessary material testing.
10. Any material covered prior to testing without 48 hours notice to landscape architect may be rejected and replaced at Owner's discretion and no additional compensation to contractor.
11. It is the Contractor's responsibility to protect all existing paved areas, utilities, monuments, trees and other existing features not specified for removal during construction, any damage shall be repaired to Owner's satisfaction at Contractor's expense.
12. Do not obscure or obstruct streets, alleys or other adjacent facilities. If necessary, set-up of utility work and avoiding the use of public works and providing alternative routes approved by Owner.
13. Contractor responsible for turf maintenance for 90 days after substantial completion. Damaged turf and/or plants shall be replaced at Contractor's expense during maintenance period.

INDEX OF SHEETS

<table>
<thead>
<tr>
<th>SHEET NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-1</td>
<td>COVER SHEET</td>
</tr>
<tr>
<td>L-1</td>
<td>SITE PLAN</td>
</tr>
<tr>
<td>L-2</td>
<td>DETAILS</td>
</tr>
<tr>
<td>L-3</td>
<td>DETAILS</td>
</tr>
<tr>
<td>L-4</td>
<td>DETAILS</td>
</tr>
<tr>
<td>L-5</td>
<td>LANDSCAPE PLAN</td>
</tr>
<tr>
<td>L-6</td>
<td>LANDSCAPE DETAILS</td>
</tr>
<tr>
<td>S1.0</td>
<td>STRUCTURAL NOTES, PLAN &amp; SECTION</td>
</tr>
</tbody>
</table>

GOVERNING SPECIFICATIONS

THE 2019 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND "MATERIALS AND SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
NOTICE TO BIDDERS:
This drawing and all information contained herein is the exclusive property of Architectural Resources Inc. and is not to be copied or used in any way without the express written consent of Architectural Resources Inc.

KEYNOTES:
1. Saw cut existing curb for new landscape ramp.
2. Not used.
3. Existing trees to remain, typ.
4. Existing planters to remain.
5. Existing electrical cabinet to remain.
6. Contractor to tie in grade from existing flow line and meet specified slope requirements. See detail 6/1-2.
7. Estimated construction units blend into existing grade with slope not greater than 10:1 (H:V). Provide all disturbed areas.
8. 1½” perforated joint filler per Michigan Spec. 3702.

SUPPLEMENTARY SPECIFICATIONS:
FLAG POLE - The flagpole warehouse company 30’ high aluminum tapered flagpole with internal halogen & locked access panel (dimin. in.) final reason, or approved equal.
FLAG SIZE: 5’x7’ (HxW)
FINISH: Brushed aluminum
FINAL SEE FLAG POLE LIGHT
CONNECTION: Yes
RECEIVE: Mounting Ring, Yes
MARKER: Manual
ACCESSORIES: Snap hooks w/ plastic cover
COLOR FLAG POLE LIGHT: Flagpole warehouse 00N-100L-750100), 40 watt pole-mounted solar w/battery, or approved equal.
NOTE: Must be solar powered downlight, dark-sky compliant (city of Duluth)

TURF ENHANCEMENT - Sod, type-010.

GRA PONE MONUMENT - Monument will be provided by owner and installed by contractor. All granite to be
natural black. See details for lettering & size.

STAINED CONCRETE — Color: None
Pattern: Prefabricated panel, as manufactured by Solaris anti-slip. Textured non-slip synthetic aggregate
Sealing compound: Two-coat urethane (1-2 coats max) apply as indicated on plan. Per manufacturer’s recommendation, contractor to develop mockup for acceptance by owner prior to any work.

CONCRETE MOCKUP — Contractor must provide a mockup panel of concrete, demonstrating the proposed “picture frame” decorative stamping, color and sealing compound. Mockup shall be 4’x4’x4”, full depth.

SITE PLAN

REG. NO.
L-1
L-50131
KEITH KINNEN
LANDSCAPE ARCHITECT

MEMORIAL PARK
WWI VETERANS MEMORIAL
DULUTH, MINNESOTA
PROJECT NO.: 18-029
DATE: 25-FEB-2019
DRAWN BY: L
REVISIONS:

18-029
18-029
18-029
18-029
18-029
LEST WE FORGET
WORLD WAR I – THE GREAT WAR
1917 1918
GOLD STAR MEN OF DULUTH, MINNESOTA
FOREVER IN OUR MEMORY, THEY GAVE THEIR LIVES FOR GOD AND COUNTRY

MONUMENTS

MEMORIAL STONES – ENGRAVING

REVISIONS:

DRAWN BY:

DATE:

PROJECT NO.:

DETAILS:

This drawing and all information contained herein is the exclusive property of Architectural Resources Inc. and is not to be copied or used in any way without the express written consent of Architectural Resources Inc.
LANDSCAPE CONSTRUCTION NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, PRIVATE & PUBLIC, BEFORE COMMENCING WORK AND SHALL NOTIFY THE LOCAL ONE-CALL CENTER PRIOR TO COMMENCING WORK TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
3. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, PRIVATE & PUBLIC, BEFORE COMMENCING WORK AND SHALL NOTIFY THE LOCAL ONE-CALL CENTER PRIOR TO COMMENCING WORK TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
4. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, PRIVATE & PUBLIC, BEFORE COMMENCING WORK AND SHALL NOTIFY THE LOCAL ONE-CALL CENTER PRIOR TO COMMENCING WORK TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
5. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, PRIVATE & PUBLIC, BEFORE COMMENCING WORK AND SHALL NOTIFY THE LOCAL ONE-CALL CENTER PRIOR TO COMMENCING WORK TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
6. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, PRIVATE & PUBLIC, BEFORE COMMENCING WORK AND SHALL NOTIFY THE LOCAL ONE-CALL CENTER PRIOR TO COMMENCING WORK TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
7. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, PRIVATE & PUBLIC, BEFORE COMMENCING WORK AND SHALL NOTIFY THE LOCAL ONE-CALL CENTER PRIOR TO COMMENCING WORK TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
8. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, PRIVATE & PUBLIC, BEFORE COMMENCING WORK AND SHALL NOTIFY THE LOCAL ONE-CALL CENTER PRIOR TO COMMENCING WORK TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.

LANDSCAPE PLAN

TURFGRASS SODDING (PER DTL, 4L-5)

FREE PLANTING (PER DTL, 1L-2)

MULCHED PLANTING BED (PER DTL, 3L-5)

PLANTING BED EDGE RESTRAINT (PER DTL, 3L-5)

EXISTING LIGHT POLE, FOR REF ONLY (N.I.C.)

TURFGRASS SODDING (PER DTL, 4L-5)

LEGEND

1. SHRUB PLANTING (PER DTL, 2L-5)
2. FREE PLANTING (PER DTL, 1L-2)
3. MULCHED PLANTING BED (PER DTL, 3L-5)
4. PLANTING BED EDGE RESTRAINT (PER DTL, 3L-5)
5. EXISTING LIGHT POLE, FOR REF ONLY (N.I.C.)
6. TURFGRASS SODDING (PER DTL, 4L-5)

SHRUB PLANTING DETAIL

MULCHED PLANTING BEDS DETAIL

TURFGRASS SODDING

PLANT LIST:

<table>
<thead>
<tr>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acer rubrum 'Red Rocket'</td>
<td>Red Rocket Red Maple</td>
<td>3</td>
<td>B&amp;B</td>
</tr>
<tr>
<td>Juniperus horizontalis 'Lime Glow'</td>
<td>Lime Glow Juniper</td>
<td>4</td>
<td>B&amp;B</td>
</tr>
<tr>
<td>Acer rubrum 'Red Rocket'</td>
<td>Red Rocket Red Maple</td>
<td>4</td>
<td>B&amp;B</td>
</tr>
<tr>
<td>Juniperus horizontalis 'Lime Glow'</td>
<td>Lime Glow Juniper</td>
<td>21</td>
<td>B&amp;B</td>
</tr>
</tbody>
</table>

NOTES:

1. CONTRACTOR SHALL INSTALL A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.
2. CONTRACTOR SHALL PLANT A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.
3. CONTRACTOR SHALL PLANT A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.
4. CONTRACTOR SHALL PLANT A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.
5. CONTRACTOR SHALL PLANT A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.
6. CONTRACTOR SHALL PLANT A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.
7. CONTRACTOR SHALL PLANT A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.
8. CONTRACTOR SHALL PLANT A COMPLETE PLANTING BED DESIGN TO PER DTL 3/L-5 AND PER SHEETS G-1 AND L-1.

TURFGRASS SODDING (PER DTL, 4L-5)

FREE PLANTING (PER DTL, 1L-2)

MULCHED PLANTING BED (PER DTL, 3L-5)

PLANTING BED EDGE RESTRAINT (PER DTL, 3L-5)

EXISTING LIGHT POLE, FOR REF ONLY (N.I.C.)

TURFGRASS SODDING (PER DTL, 4L-5)

LEGEND

1. SHRUB PLANTING (PER DTL, 2L-5)
2. FREE PLANTING (PER DTL, 1L-2)
3. MULCHED PLANTING BED (PER DTL, 3L-5)
4. PLANTING BED EDGE RESTRAINT (PER DTL, 3L-5)
5. EXISTING LIGHT POLE, FOR REF ONLY (N.I.C.)
6. TURFGRASS SODDING (PER DTL, 4L-5)
INTERPRETIVE SIGN W/ FOOTING (1 REQ'D.)

**NOTES:**
1. ALL COMPONENTS MADE FROM EXTRUDED ALUMINUM AND WELDED ALUMINUM BACK PLATE
2. EDGES OF ALL ALUMINUM COMPONENTS SHALL HAVE A RADIUS OF 1/8"
3. MANUFACTURER'S BLACK POWDER COAT FINISH ON MAIN UNIT AND ALL COMPONENTS AND APPURTENANCES.
4. FRAME FOR A COMPLETE INSTALLATION SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.
5. GRAPHIC PANEL SHALL BE FURNISHED AND INSTALLED BY OWNER.
6. CONTACT OWNER FOR DIRECTION IF UTILITIES OR OTHER OBSTRUCTIONS ARE ENCOUNTERED DURING INSTALLATION WHICH LIMIT THE DEPTH OF FOOTINGS OR AFFECT THE LAYOUT PROVIDED.
7. SIGN(S) SHALL BE MOUNTED AT HEIGHT INDICATED HEREIN TO MEET CURRENT MN ACCESSIBILITY CODE.

**SECTION/ELEVATION**

**GRAPHIC SIGN PANEL SHALL BE PROVIDED CITY OF DULUTH. SIGN FRAME STRUCTURE SHALL BE BASED ON LOW-PROFILE, TRADITIONAL IN-GROUND MOUNT ALUMINUM EXHIBIT DISPLAY STRUCTURES, AS MANUFACTURED BY:
HOPEWELL MANUFACTURING INC.
217 N FRANKLIN ST.
WAYNESBORO, PA 17268
WWW.HOPEWELLMFG.COM**

**AS EQUAL SUBSTITUTION FOR NOTED SIGN FRAME SHALL BE ONLY PER PRIOR APPROVAL BY THE CITY OF DULUTH. CONTRACTOR TO FURNISH AND INSTALL SIGN FRAME STRUCTURE. CONTRACTOR TO COORDINATE WITH CITY OF DULUTH FOR MATERIAL DELIVERY IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE.**
1. All reports shall be in accordance with the requirements of Section 602.5.0 and Table 1705.3 of the 2012 International Building Code (IBC) and the Minnesota State Building Code Amendments. Any exceptions shall be approved by the contract engineer.

2. The contractor shall determine slump. Each concrete mix shall be tailored for specific project requirements.

3. Mix designs listed below shall be submitted to the architect and engineer for approval. A summary report shall be distributed weekly to the owner, architect, and engineer. All summary reports for concrete testing shall be outlined in the IBC Table Items listed below.

4. Reinsforcement steel by exothermic welding process or threaded couplers shall be compatible with the reinforcing steel by using threaded couplers.

5. The contractor shall determine slump. Each concrete mix shall be tailored for specific project requirements.

6. Special inspection and testing per IBC section 714 shall be performed by a special inspector certified by the governing building official to perform the types of inspection and testing specified.

7. An acceptable admixture shall be used to produce air-entrained concrete with total air content, as noted in the table below. The admixture shall be approved by the architect/engineer before starting construction.

8. Segregation or excess free surface water shall be avoided to produce a dense, workable mix that can be placed without segregation or excess free surface water.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>AGGREGATE</th>
<th>WATER/CEMENT RATIO</th>
<th>AIR-ENTRAINED CONCRETE</th>
<th>CONCRETES WITH A VOLUME OF 25 PERCENT, FLY ASH AS A PERCENTAGE OF TOTAL WEIGHT OF CEMENTITIOUS MATERIAL SHALL BE 25 PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLUMP</td>
<td>6.0</td>
<td>0.45</td>
<td>2.0</td>
<td>SPLICED FOR TENSION (LSB) UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE MECHANICAL SPLICES SHALL HAVE A CURRENT ICC-ES REPORT NUMBERING THAT THE PRODUCT CAN ACHIEVE A MINIMUM TENSILE STRENGTH OF 60,000 PSI. COUPLINGS TO SPLICED BARS REGARDLESS OF SIZE. ACCEPTABLE MECHANICAL SPLICES SHALL BE THREADED BOLT-ON COUPLERS OR EXOTHERMIC WELDING PROCESS OR THREADED COUPLERS. FABRICATION. NO REINFORCING BARS SHALL BE SPLICED BY WELDING. AT THE CONCLUSION OF THE WORK, ALL SPLICED BARS SHALL BE TYPED TO SHOW THE LOCATION OF THE SPLICE. #14 AND #18 BARS SHALL NOT BE LAP SPLICED. #6 BAR OR LARGER: 2 INCHES #5 BAR OR SMALLER: 1 1/2 INCHES</td>
</tr>
</tbody>
</table>