ROTARY CLUB OF ANN ARBOR
CENTENNIAL PLAYGROUND

Gallup Park
3000 Fuller Rd.
Ann Arbor, MI

BID PLANS
October 14, 2016

SGJJR Project Number: 20678.000

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Prepared for:
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Prepared by:
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Gallup Park
3000 Fuller Rd.
Ann Arbor, MI
<table>
<thead>
<tr>
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**NOTES:**
- Number of plants: 10
- Trees with a health condition score of 5 or higher: 1
- Trees with a health condition score of 1 or lower: 9
- Trees with a health condition score of 3 or lower: 1
- Trees with a health condition score of 2 or lower: 6
- Trees with a health condition score of 1: 4
- Trees with a health condition score of 0: 3
- Trees with a health condition score of 5: 1
- Trees with a health condition score of 4: 1
- Trees with a health condition score of 3: 1
- Trees with a health condition score of 2: 1
- Trees with a health condition score of 1: 1
- Trees with a health condition score of 0: 1
- Trees with a health condition score of 5: 1
- Trees with a health condition score of 4: 1
- Trees with a health condition score of 3: 1
- Trees with a health condition score of 2: 1
- Trees with a health condition score of 1: 1
- Trees with a health condition score of 0: 1
- Trees with a health condition score of 5: 1
- Trees with a health condition score of 4: 1
- Trees with a health condition score of 3: 1
- Trees with a health condition score of 2: 1
- Trees with a health condition score of 1: 1
- Trees with a health condition score of 0: 1
1.1. The contractor shall not enter into any agreements, buy or sell property, or enter into any other agreements to modify or affect the construction of the project. Any such agreements entered into shall be invalid and of no force or effect.

1.2. The contractor shall perform the work in a workmanlike manner and in accordance with the terms of the contract documents. The contractor's work shall be complete and in accordance with the plans and specifications.

2.0. All site clearance and remediation work shall be done in a manner that will minimize disturbance to the surrounding environment.

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SUMMARY OF ALTERNATES:

1. **ALTERNATE 1**: PROVIDE CONCRETE PAVEMENT IN LIEU OF ASPHALT PAVEMENT AT EASTERN PATH.

2. **ALTERNATE 2**: PLAY SURFACE LAYOUT (SEE SHEET L2.2)

LAYOUT NOTES:

1. PLAY STRUCTURES SHOWN FOR REFERENCE. REFER TO PLAY MANUFACTURER DRAWINGS FOR MORE INFORMATION. COORDINATE INSTALLATION OF SITE ELEMENTS INCLUDING PLAY SURFACING, EDGE RESTRAINT WITH INSTALLATION OF PLAY STRUCTURES.

2. THE ENGINEER WILL PROVIDE A DIGITAL COPY OF THE LAYOUT IN AUTOCAD TO THE CONTRACTOR FOR THEIR USE IN LAYOUT AND STAKING.

3. B2B PROJECT IMPROVEMENTS SHOWN ARE FOR REFERENCE ONLY.
SELECTION KEYNOTES

PROJECT LIMITS

EDGE OF WATER

PLAY SURFACE - POURED IN PLACE RUBBER

(SEE PLAY SURFACE LAYOUT PLAN L2.2)

CONCRETE SIDEWALK

PLAYGROUND SAND

KAYAK PLATFORM

FLAGSTONE STEPPERS

SURFACE AGGREGATE

GRILL (SEE EQUIPMENT PLANS)

PICNIC TABLE (SEE EQUIPMENT PLANS)

WOOD FISHING PLATFORM

BENCH (SEE EQUIPMENT PLANS)

SHADE STRUCTURE (SEE EQUIPMENT PLANS)

PLAY SURFACE EDGE RESTRAINT

GRANITE WALL

SANDSTONE, BLOCK STEPS

CONCRETE STEP

GLACIAL COBBLE

ASPHALT PAVEMENT

BARRIER-FREE PARKING SIGNAGE

(WATER PUMP PEDESTAL)

PLAY EQUIPMENT (SEE EQUIPMENT PLANS)

PERIMETER FENCE

N/A

PROJECT I.D. SIGN

MDNR GRANT PLAQUE

WAYFINDING KIOSK (BY OTHERS)

WATER RUNNEL

SENSORY GARDEN WALL

SIDEWALK RAMP (B2B PROJECT IMPROVEMENTS)

BIKE RACK (B2B PROJECT IMPROVEMENTS)

ASPHALT PATH (B2B PROJECT IMPROVEMENTS)

BOULDER WALL AT KAYAK PLATFORM

SANDSTONE BLOCKS

CONTROL JOINT

EXPANSION JOINT

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE

PROJECT NUMBER

SCALE

DRAWING NUMBER

3000 Fuller Road
Ann Arbor, MI 48105

ROTARY CLUB OF ANN ARBOR CENTENNIAL PLAYGROUND

CITY OF ANN ARBOR

201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
www.smithgroupjjr.com

DATE

REV

14OCT2016

BIDS

1"=5'

LAYOUT NOTES:

1. GAPS IN STONE AT THE WATER RUNNEL SHALL BE 3' MAXIMUM.

DIMENSIONS SHOWN BETWEEN STONES ARE FOR REFERENCE. FINAL LOCATION OF STONE IS SUBJECT TO APPROVAL BY OWNER'S REPRESENTATIVE.
1. PLAY STRUCTURES SHOWN FOR REFERENCE. REFER TO PLAY MANUFACTURER DRAWINGS FOR MORE INFORMATION. COORDINATE INSTALLATION OF SITE ELEMENTS INCLUDING PLAY SURFACING, EDGE RESTRAINT WITH INSTALLATION OF PLAY STRUCTURES.

2. THE ENGINEER WILL PROVIDE A DIGITAL COPY OF THE LAYOUT IN AUTOCAD TO THE CONTRACTOR FOR THEIR USE IN LAYOUT AND STAKING.

3. REFER TO DETAIL 5 - PLAY SURFACE - POURED IN PLACE RUBBER ON SHEET L4.0 FOR PLAY SURFACE THICKNESS FOR EACH AREA.

4. ALTERNATE NO. 2: IN LIEU OF MULTIPLE COLORED PLAY SURFACE AREAS AS DEPICTED ON THIS PLAN, PROVIDE THE FOLLOWING:
   - ONE COLOR FOR WOODLAND PLAY AREA
   - TWO COLORS FOR RIVER AREA
   - TWO COLORS FOR PRAIRIE AREA

   IF ALTERNATE NO. 2 IS SELECTED, SUBMIT COLOR SAMPLES FOR PLAY SURFACING FOR OWNER COLOR SELECTION.

SCALE: 1/8" = 1'-0"
1. PROVIDE DRAINAGE AWAY FROM PLAY EQUIPMENT AS SHOWN.
2. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY INCONSISTENCIES, CONDITIONS AND SURVEYS TO THE OWNER'S REPRESENTATIVE AND SHALL BE MODIFIED AS REQUIRED AND APPROVED.
3. PROVIDE MINIMUM CROSS-SLOPE OF 1%, MAXIMUM 5% (EXCEPT WHERE NOTED OTHERWISE).
4. GRADE ALL PAVEMENT SURFACES UNIFORMLY BETWEEN SPOT ELEVATIONS NOTED ON THE PLANS. (EXCEPT WHERE NOTED)
5. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITY LINES AND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. ENSURE ALL AREAS WILL DRAIN TO DEPTHS IN THE FIELD. REPORT DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND THE UTILITY WORK SHALL BE COORDINATED AND PAID BY THE CONTRACTOR.
6. THE TOP OF WALLS SHALL BE LEVEL WITH CONSISTENT CROSS-SLOPE AT 0.0% ALONG LIMITS OF EXISTING AND NEW PAVEMENT WHERE STOP ELEVATIONS NOTED. ANY AREAS OF POOR DRAINAGE OR INADEQUATE DRAINAGE FROM PROPOSED IMPROVEMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
7. PROVIDE DRAINAGE IN ALL AREAS OF POOR DRAINAGE PER BLANKET CONDITIONS AND ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
8. PRIOR TO STARTING CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING UTILITY ELEVATIONS AGAINST THE PROPOSED UTILITY ELEVATIONS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

LEGEND
- PROPOSED SPOT ELEVATION MATCH EXISTING
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADE BREAK LINE
- TOP OF WALL ELEVATION
- BOTTOM OF WALL ELEVATION
- GRADE ELEVATIONS AT THE FRONT FACE OF THE WALL.
- GRADE LIMITS (1-800-482-7171). ALL EXISTING UTILITY LINES MAY NOT BE IN THE FIELD. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITY LINES AND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. ENSURE ALL AREAS WILL DRAIN TO DEPTHS IN THE FIELD. REPORT DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND THE UTILITY WORK SHALL BE COORDINATED AND PAID BY THE CONTRACTOR.

PROVIDE DRAINAGE AWAY FROM PLAY EQUIPMENT AS SHOWN.

NOTICE TO BIDDER:
- PROVIDE DRAINAGE AWAY FROM PLAY EQUIPMENT AS SHOWN.
- NOTIFY THE OWNER'S REPRESENTATIVE OF ANY INCONSISTENCIES, CONDITIONS AND SURVEYS TO THE OWNER'S REPRESENTATIVE AND SHALL BE MODIFIED AS REQUIRED AND APPROVED.
1. PROVIDE EXCAVATION GEOMETRY AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE OWNER's REPRESENTATIVE. ENSURE ALL WORK WILL COMPLY WITH CITY OF ANN ARBOR REGULATIONS. DO NOT INSTALL OR REMOVE EARTH MOVEMENT EQUIPMENT WITHOUT PREVIOUS PRIOR APPROVAL FROM THE CITY. ENSURE ALL SPOT ELEVATIONS MATCH EXISTING (ME). NOTIFY THE OWNER's REPRESENTATIVE OF ANY INCONSISTENCIES, ERRORS OR VARIANCES. REFER TO L4.6 - SITE WALL DETAILS AND ELEVATIONS 2 FOR TOP OF WALL AND FINISH GRADE ELEVATIONS AT THE FRONT FACE OF THE WALL.

2. VERIFY EXISTING UTILITY LINE AND STRUCTURE LOCATIONS AND EXACT LOCATIONS OF ALL PUBLIC AND PRIVATE UTILITY INFORMATION AND COORDINATION WITH SERVICE PROVIDERS. NOTIFY IN ADVANCE OF CONSTRUCTION (A MINIMUM OF 72 HOURS, BUT NOT MORE THAN 14 CALENDAR DAYS) ALL PUBLIC AND PRIVATE UTILITY PROVIDERS HAVING FACILITIES IN OR NEAR THE IMMEDIATE WORKING AREA BY CALLING MISS DIG SERVICES 1-800-482-7171. ALL EXISTING UTILITY LINES MAY NOT BE SHOWN. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF OTHER UTILITIES. PROVIDE MINIMUM CROSS-SLOPE OF 1%, MAXIMUM DRIFTAGE ISSUES, OR SLOPE DISCREPANCIES. PROVIDE DRAINAGE AWAY FROM PLAY EQUIPMENT AS SHOWN. CONTRACTOR TO VERIFY ALL EXISTING SPOT ELEVATIONS. ENSURE ALL AREAS WILL DRAIN TO UNDERDRAIN WITHOUT STANDING OR PONDING WATER. PROVIDE MINIMUM CROSS-SLOPE OF 1% SEPARATELY FOR EACH DRAINAGE BASIN. REPORT DISCREPANCIES BETWEEN FIELD ELEVATIONS AND THOSE SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE OWNER's REPRESENTATIVE AND SHALL BE MODIFIED AS REQUIRED AND APPROVED.

3. PROVIDE MINIMUM CROSS-SLOPE OF 1%, MAXIMUM 2.5% FOR PROTECTION OF UNDERGROUND UTILITIES AND INADEQUATE DRAINAGE FROM PROPOSED IMPROVEMENTS. NOTIFY THE OWNER's REPRESENTATIVE AND SHALL BE MODIFIED AS REQUIRED AND APPROVED. CONTRACT TO VERIFY ALL EXISTING SPOT ELEVATIONS MATCH EXISTING (ME). NOTIFY THE OWNER's REPRESENTATIVE OF ANY INCONSISTENCIES, ERRORS OR VARIANCES. REFER TO L4.6 - SITE WALL DETAILS AND ELEVATIONS 2 FOR TOP OF WALL AND FINISH GRADE ELEVATIONS AT THE FRONT FACE OF THE WALL.

4. PROVIDE DRAINAGE AWAY FROM PLAY EQUIPMENT AS SHOWN. CONTRACTOR TO VERIFY ALL EXISTING SPOT ELEVATIONS MATCH EXISTING (ME). NOTIFY THE OWNER's REPRESENTATIVE OF ANY INCONSISTENCIES, ERRORS OR VARIANCES. REFER TO L4.6 - SITE WALL DETAILS AND ELEVATIONS 2 FOR TOP OF WALL AND FINISH GRADE ELEVATIONS AT THE FRONT FACE OF THE WALL.

5. CONTRACT TO VERIFY ALL EXISTING SPOT ELEVATIONS MATCH EXISTING (ME). NOTIFY THE OWNER's REPRESENTATIVE OF ANY INCONSISTENCIES, ERRORS OR VARIANCES. REFER TO L4.6 - SITE WALL DETAILS AND ELEVATIONS 2 FOR TOP OF WALL AND FINISH GRADE ELEVATIONS AT THE FRONT FACE OF THE WALL.

6. CONTRACT TO VERIFY ALL EXISTING SPOT ELEVATIONS MATCH EXISTING (ME). NOTIFY THE OWNER's REPRESENTATIVE OF ANY INCONSISTENCIES, ERRORS OR VARIANCES. REFER TO L4.6 - SITE WALL DETAILS AND ELEVATIONS 2 FOR TOP OF WALL AND FINISH GRADE ELEVATIONS AT THE FRONT FACE OF THE WALL.

7. CONTRACT TO VERIFY ALL EXISTING SPOT ELEVATIONS MATCH EXISTING (ME). NOTIFY THE OWNER's REPRESENTATIVE OF ANY INCONSISTENCIES, ERRORS OR VARIANCES. REFER TO L4.6 - SITE WALL DETAILS AND ELEVATIONS 2 FOR TOP OF WALL AND FINISH GRADE ELEVATIONS AT THE FRONT FACE OF THE WALL.
NOTE:
1. SEE WALL ELEVATIONS FOR MORE INFORMATION.
2. RESUBMIT SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
3. FABRICATE MOCKUP FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. MOCKUP MAY BE PART OF THE WORK.

Granite Wall

- Top of Wall
- See Wall Elevation Plan
- Made From Granite, Top
- Granite
- Finish-Chance
- Natural Aggregate Base, Rest 21AA
- Thermal Finish on Top of Wall, Faced Face
- Backwall Stabilized, Granite
- Geotextile Fabric Continuous Around Back of Wall

Slope to Drain

1'-0" Varies - See Wall Elevations

Sensory Garden Wall

- Top of Wall
- See Wall Elevation Plan
- Made From Granite, Top
- Granite
- Finish-Chance
- Natural Aggregate Base, Rest 21AA
- Thermal Finish on Top of Wall, Faced Face
- Backwall Stabilized, Granite
- Geotextile Fabric Continuous

Flagstone Steppers

- Top of Wall
- See Wall Elevation Plan
- Made From Granite, Top
- Granite
- Finish-Chance
- Natural Aggregate Base, Rest 21AA
- Thermal Finish on Top of Wall, Faced Face
- Backwall Stabilized, Granite
- Geotextile Fabric Continuous

Contractor to install mortar in selected location between boulders to prevent displacement of stones. It is not intended that all joints be fully mortared so the wall maintains a dry laid look.

NOTE:
1. SEE WALL ELEVATIONS FOR MORE INFORMATION.
2. SUBMIT SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION
3. FABRICATE MOCKUP FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. MOCKUP MAY BE PART OF THE WORK.
HAND OPERATED DEEP WELL SOL PUMP
WATER RUNNEL
FINISH GRADE (CONCRETE SIDEWALK)
NATURAL AGGREGATE BASE, MDOT 21AA
COMPACTED SUBGRADE
CAST IN PLACE REINFORCED CONCRETE FOOTING
SEALS EXPANSION JOINT
3'-6"
1
2
3
4
5
6"
3'-0"
5
6
7
8
1'-0"
3
4
5
6
7
8
1'-4"
2'-0"
2'-2"
1'-10"
10
L4.0
8
1" TRIM BOARD WITH 1/4" CHAMFER
5/4x6 DECK BOARDS (VERTICAL)
5/4x6 DECK BOARDS (HORIZONTAL)
1"x2" GALVANIZED STEEL ANGLE BRACKET ATTACHED TO 2x4 AND DECKING
TOP OF DECKING
2'-0" FLAT GRADE AROUND RAIN GARDEN VARIES, REFER TO GRADING PLAN, 4'-0" MAX.
4:1 MAX SLOPE
CL
DETENTION ISLAND SOIL MIX REFER TO PLANTING PLAN RAIN GARDEN PLANTING NON-WOVEN GEOTEXTILE FABRIC, ENDS EMBEDDED IN PLANT MIX
PLANT BED MIX
SUBGRADE
TOP EL. 748.00 (WEST & EAST RAIN GARDEN)
BOTTOM EL. 746.00 (WEST & EAST RAIN GARDEN)
NOTES:
1. HAND PUMP SHALL BE BPH-125, 5" STAINLESS STEEL HAND PUMP AS MANUFACTURED BY BISON PUMPS. (PH: 800-339-2601).
2. INCLUDE TAMPER-PROOF WELL ADAPTER, QUICK DISCONNECT AND TAMPER PROOF KIT AS MANUFACTURED BY BISON PUMPS.
3. INCLUDE ALL ACCESSORIES FOR PUMP INCLUDING CYLINDER, PIPE AND ROD.
4. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
5. SUBMIT SHOP DRAWINGS FOR APPROVAL.

300 Fuller Road
Ann Arbor, MI 48105
ROTARY CLUB OF ANN ARBOR CENTENNIAL PLAYGROUND

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SECOND FLOOR
ANN ARBOR, MI 48104
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