1. L.O. W. Structures Tel. 818.735.3838 or approved equal, install per MANUF. instructions.
2. 8" thick engineered wood fiber "Endless River Play" AVAIL. @ RecWest Outdoor Products, Inc. Tel. 818.735.3838 or approved equal; W/ 12" thick CIP concrete cap and 2" gravel base; MANUF. by PlaySafe Inc., Tel. 918.778.0333 or approved equal.
3. Asphalt Concrete Play Surface.

10. (P) prefabricated bike parking: model 36964 Natural Bike Rack Standard, finish, standard, color given on proposal, MANUF. by DRISCOLLSCOTT, Inc. Tel. 888.752.9574 or approved equal.
11. (P) prefabricated single-pedestal barbeque: Rotating Flip-Back Grill model 416.4.5 color standard: black, MANUF. by UltraSite, Tel. 800.722.3722 or approved equal.
12. (P) prefabricated concrete hot ash receptacle: model #3900CR standard smooth finish 60" wide, manuf. make and model non-counterpartable, MANUF. by Landscape Structures Tel. 800.750.9674 or approved equal; 12" thick CIP concrete cap; MANUF. by PlaySafe Inc., Tel. 918.778.0333 or approved equal.
13. (P) prefabricated recycled plastic plate: table: model 112.3384.4 color standard: black, MANUF. by Landscape Structures Tel. 800.750.9674 or approved equal; 12" thick CIP concrete cap; MANUF. by PlaySafe Inc., Tel. 918.778.0333 or approved equal.
14. (P) prefabricated double-pointed barbeque: model #620 Dual Grill-GR W1 (see Appendix MANUF. 12.4 for approval MANUF. 12.4 for approval); 12" thick CIP concrete cap; MANUF. by Landscape Structures Tel. 800.750.9674 or approved equal; MANUF. by PlaySafe Inc., Tel. 918.778.0333 or approved equal.

1. Hardscape - overall site plan
2. 6' north perimeter wood fence
3. recycled plastic header
4. (P) prefabricated double-pointed barbeque: model #620 Dual Grill-GR W1 (see Appendix MANUF. 12.4 for approval MANUF. 12.4 for approval); 12" thick CIP concrete cap; MANUF. by Landscape Structures Tel. 800.750.9674 or approved equal; MANUF. by PlaySafe Inc., Tel. 918.778.0333 or approved equal.
5. (P) prefabricated bike path: new Drake Haggard & Associates Bike Way Plans included as part of the Appendix on the Trial set.
6. (P) prefabricated trellis structure; refer to ARCHI SHEET 41.01 for detail.
7. custom wood piket pole
8. proposed bike path: see Drake Haggard & Associates Bike Way Plans.
9. multi-use athletic field area over 6" drainage base and gopher mesh, install per detail #5, SHT P2.01
10. permeable base 80mm thick permeable concrete unit pavers over asphaltic concrete driveway; see Civil sheet C1.02 for details.
11. recycled plastic plate: table: 112.3384.4 color standard: black, MANUF. by Landscape Structures Tel. 800.750.9674 or approved equal; 12" thick CIP concrete cap; MANUF. by PlaySafe Inc., Tel. 918.778.0333 or approved equal.
12. HealthBeat Outdoor Fitness System, (4) prefabricated concrete pathway 60" wide, standard smooth finish, MANUF. by SPECTRA TURF Tel. 800.875.5788 or approved equal.
13. 6' thick integral colored concrete pathway W/GFI handrail (Essex #10) finish: Dark color "Patina Green", contractor to provide reference sample.
14. Asphalt concrete play surface: 6" thick engineered wood fiber "Endless River Play" AVAIL. @ RecWest Outdoor Products, Inc. Tel. 818.735.3838 or approved equal.
15. Multi use athletic field area over 6" drainage base and gopher mesh, install per detail #5, SHT P2.01
16. multi-use athletic field area over 6" drainage base and gopher mesh, install per detail #5, SHT P2.01
1. engineered fill, compacted to 95% relative compaction
2. expansion joints @ 30' intervals; construct weakened placed joints @ 10' intervals

Engineered Wood Fiber BID ALT - 2

Bocce Ball Court

Asphaltic Concrete Play Surface

Recycled Plastic Edge of Mulch & Engineer Wood Fiber

Stabilized Decomposed Granite Path

Permeable CONC. Paver

Integral Colored Concrete

18’ Seat Wall W/ Cobble Stone Veneer

Recycled Play Surface BID ALT - 1

Engineered Wood Fiber BID ALT - 2
NOTES:
1. Footing width to be (4)X post width. Minimum depth to be 36".
2. Gates to be manually operated.

TENNIS-CONDITION NOTES:
1. Install per manufacturer recommendation.
2. Post to be 3'-6" tall.
3. Post placement to be 3'-6" from center of post to outside of sideline.
4. Net to be 3'-6" at post and 3'-6" at center.
5. Net mesh to be sufficiently small enough that the ball cannot pass through.

PICKLEBALL CONDITION NOTES:
1. Install per manufacturer recommendation.
2. Post placement to be 1'-0" from center of post to outside of sideline.
3. Net to be 3'-0" H at sidelines and 34" at center.
4. Net mesh to be sufficiently small enough that the ball cannot pass through.
irrigation notes

Also refer to the irrigation equipment schedule, specifications and shop. Call landscape architect to locate in advance of all pressure testing, coverage tests, or similar onsite observations.

1. Layout of (E) irrigation equipment does not necessarily represent as final conditions. Verify irrigation and equipment exact location and location in the field.

2. When possible, salvage and reuse (E) valves and equipment.

3. The plan is diagrammatic. All pipes, valves, etc., shown within zones serve to delineate the limits of work line. Adjacent hydrozone irrigation system cannot be determined by this drawing.

4. Do not install the irrigation system as indicated on the drawings until it is obvious in the field that obstructions or grade differences exist that should bring to the attention of the City Project Manager.

5. See irrigation equipment schedule for a complete description of all symbols shown on the irrigation plan. Ask all control in advance approved by the City Project Manager.

6. Irrigation system is designed for use in the water pressure of approximately 80 PSI at main line. Prior to installation of irrigation system, confirm that exact pressure at proposed tree, vine and shrub location.

7. In the interest of this plan to provide adequate irrigation to all planting areas. Construction shall be responsible for making any and all adjustments to the irrigation system necessary to ensure 100% irrigation coverage of all planting areas.

8. Install the irrigation system in accordance with all local codes.

9. PVC pipes shall be laid inside schedule 40 PVC, cover to allow free movement of the pipe in the sleeve.

10. Flush all lines and adjust all heads for maximum performance and to prevent over spray into streets, shrubs and buildings. Selecting the proper valve, controller, and controller settings is crucial and important to achieve full hours in advance for effective performance.

11. Adjust flow controls for proper performance and valve longevity.

12. Install flush valves at the ends of all 1½" polyethylene pipe in mast valve boxes with gravel fill in planting area. Coordinate location with the City Project Manager.

13. Valve location is on center of existing tree by installing piping at the edge of planting areas, possible to do out across the grade.

14. Irrigation line shall be buried at the following minimum depths:

   PVC: minimum depth 12" (4"
   PVC: lines 1½" or larger: 18" (6"

15. Coordinate location of heads, valves and pipe with the planting.

16. Clean up on a daily basis per owner’s representative’s requirements.

Irrigation system design criteria:

source: existing grades, water main @ 90 PSI maximum flow is 2 gpm, velocity in main line and lateral pipe.

Hydrozone information table

<table>
<thead>
<tr>
<th>Hydrozone #</th>
<th>Water Use</th>
<th>Irrigation Method</th>
<th>Area (SF)</th>
<th>Irrigation Area</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hollister-Kellogg - Water Budget Calcs
February 21, 2018

plan legend

- limit of work line
- valve
- proposed topography
- hydrozone boundary
- hydrozone number
- special landscape area
- tree root barrier
- irrigation number
- irrigation equipment schedule

irrigation legend

- (E) water supply main pipe/UF
- water supply main pipe
drip line
- permanent spray
color

Hydrozone #17: *Future splash pad" to be 1,144 sq. ft. Special Landscape Area, not included in current water budget calculations.
irrigation equipment schedule

<table>
<thead>
<tr>
<th>number on plan</th>
<th>description</th>
<th>brand and model</th>
<th>requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC SCH 40 TEE or ELL</td>
<td>Wilkins 850 SH Full Port</td>
<td>confirm location with city SCH 40 PVC, W/ SCH 40 N.T.S. SCH 40 PVC, W/ SCH 40 N.T.S. SCH 40 PVC, W/ SCH 40 N.T.S. SCH 40 PVC, W/ SCH 40 N.T.S.</td>
<td></td>
</tr>
<tr>
<td>PVC tray for main, laterals and bulbs under paving and through walls</td>
<td>Hunter P.L.D-10-12-100-PVC</td>
<td>install being done in main 1/2 inch in top line, all being done in run 1/2&quot; below finished road grade with 1&quot; wire galvanized, vapor, signal and spooling in the field prior to installation</td>
<td></td>
</tr>
<tr>
<td>GO water meter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Valve box manhole shall shut off</td>
<td>Wilkins, 850 Sh Full Port Brass Ball Valve</td>
<td>coordinate exact location with piping piece, conceal in paving</td>
<td></td>
</tr>
<tr>
<td>New controller</td>
<td>Watermark Model 990-0-2/DMB with 1/2&quot;-1/4&quot; Hardware W/ TAC Commander</td>
<td>install in wall mounted, stainless steel enclosure for manufacture, system connection to gas drop line, obtained from manufacturer prior to installation</td>
<td></td>
</tr>
<tr>
<td>Irrigation backflow preventer</td>
<td>FIBICO 2&quot; BFP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master valve, normally closed</td>
<td>DATA INDUSTRIAL 200B brass flow sensor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow sensor</td>
<td>RENTITLES RS1000 wireless flow sensor</td>
<td>confirm location with city flow sensor must match manufacturer’s instructions</td>
<td></td>
</tr>
<tr>
<td>Quick Coupler valve, on 1&quot; SCH 40 PVC branch main</td>
<td>RAINBIRD 450-1&quot;-NPT Threaded</td>
<td>Installs in NDS valve box, color coded and labeled, adjust flow control to drench the down stream</td>
<td></td>
</tr>
<tr>
<td>Pressure regulator</td>
<td>WILKINS 9&quot; SCH40 pressure regulator</td>
<td>set pressure to give 65 PSI down stream</td>
<td></td>
</tr>
<tr>
<td>Irrigation Backflow Preventor Assembly</td>
<td>FIBICO 2&quot; BFP</td>
<td></td>
<td></td>
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</tbody>
</table>

Pipe and Wire Below Pavement

1. Install pipe to side inlet valve box & cover |
2. Install electric pop-up spray valves, pressure regulating |
3. Install electric tree bubble valves, pressure regulating |
4. Install electric drip zone control kits, pressure regulating |
5. Install color spray heads, pressure regulating, check valve, adjustable spray head with pin and adjustable radius |
6. Install pop-up spray heads, adjustable radius nozzles |
7. Install drip zone control kits, pressure regulating |
8. Use detectable tape |
9. Mark all valve locations with same colored band |
10. Place accurate layout of all valve boxes, with 2 1/2" high outlets corresponding to main line, using a 30 psi valve and other large valves in the same area, mark all valve boxes on plan are suggested only |

Drip Typical Layout

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Below Grade Bubbler

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Drip Zone Control Kit Assembly

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Ball Valve

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