WEST VILLAGES IMPROVEMENT DISTRICT

DESIGN REVIEW COMMITTEE

Special District Services, Inc.
The Oaks Center
2501A Burns Road
Palm Beach Gardens, FL 33410

www.westvillagesid.org
561.630.4922 Telephone
877.SDS.4922 Toll Free
561.630.4923 Facsimile
A. Call to Order
B. Proof of Publication
C. Establish Quorum
D. Business Before the Committee
   1. Review Matters Pertaining to the West Villages Marketplace
      • Audience Comments
   2. Review Submittal Regarding Marketplace Outparcel #4 Building
      • Audience Comments
E. Comments
F. Adjourn
WEST VILLAGES
IMPROVEMENT DISTRICT
NOTICE OF DESIGN REVIEW COMMITTEE MEETING
NOTICE IS HEREBY GIVEN that the Board of Supervisors of the West Villages Improvement District will hold a Design Review Committee Meeting on September 13, 2018, at 2:00 p.m. at the offices located at 19503 S. West Villages Parkway, Venice, Florida 34293.

The purpose of the Design Review Committee Meeting is to review matters pertaining to the West Villages Market Place. The meeting is open to the public and will be conducted in accordance with the provisions of Florida law.

In accordance with the provisions of the Americans with Disabilities Act, any person requiring special accommodations or an interpreter to participate at this meeting should contact the District Manager at (561) 630-4922 and/or toll free 1-877-737-4922 at least seven (7) days prior to the date of the meeting.

Meetings may be cancelled from time to time without advertised notice.

WEST VILLAGES IMPROVEMENT DISTRICT
www.westvillagesid.org

PUBLISH: SARASOTA HERALD TRIBUNE 09/04/18
SITE DEVELOPMENT PLANS FOR:

HEARTLAND DENTAL

NORTH PORT, FLORIDA

SCHEDULE OF DRAWINGS

L-00 COVER SHEET
L-01 TREE PROTECTION AND REMOVAL PLAN
L-02 PLANTING PLAN
L-03 PLANT SCHEDULE
L-04 PLANTING DETAILS
L-05 PLANTING SPECIFICATIONS
L-06 PLANTING SPECIFICATIONS
L-07 IRIGATION BUBBLER PLAN
L-08 IRIGATION SPRAY AND Drip PLAN
L-09 IRIGATION DETAILS
L-10 IRIGATION DETAILS
L-11 IRIGATION SPECIFICATIONS

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DIAL 811
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CIVIL ENGINEER:
MORRIS ENGINEERING
6997 B PROFESSIONAL PKWY EAST
SARASOTA, FL 34240

DEVELOPER:
SEMBLER
5858 CENTRAL AVENUE
ST. PETERSBURG, FL 33707

PREPARED BY:
DAVID W. JOHNSTON ASSOCIATES
5890 S. ORANGE AVE SUITE 200 SARASOTA, FL 34239 (941) 358-4660

SITE LOCATION
STREET TREES, SHRUBS & SOD

PLANT QUANTITIES SHOWN ON LANDSCAPE PLAN AND MATERIALS LIST ARE QUANTITIES TO BE USED FOR INSTALLATION.

ALL LANDSCAPING SHALL BE TOPDRESSED WITH NURSERY SOILS, WOODS, OR SIMILAR MATERIALS.

1. 16"W

4. OF INSTALLATION. SHREDDED CYPRESS MULCH.

6. BAHIA SOD SHALL BE PLACED IN ALL PERVIOUS AREAS WITHIN THE SITE PROPERTY LINES, EXCEPT FOR PROPOSED LANDSCAPING BEDS AND UNLESS OTHERWISE NOTED.

7. ALL EXOTIC SPECIES, i.e., BRAZILIAN PEPPER (SCHINUS TEREBINTHIFOLIUS), PUNK TREES (MELALEUCA QUINQUERNERVIA), TV

±166 LF, 15' WIDE (OHW PRESENT) (2) CANOPY TREES, (3) ORNAMENTAL TREES PER 100 LF.

DUE TO LIMITED PLANTING AREA, AND AN 18" HT. CONTINUOUS OPAQUE SCREEN.

9. THE LOCATION OF ALL REQUIRED TREES MUST NOT CONFLICT WITH LIGHTING FIXTURES, SIGNS, UNDERGROUND AND VEHICLES.

10. SHRUBS AND TREES TO BE INSTALLED A MINIMUM OF THREE (3) FEET FROM BACK OF CURB TO PREVENT DAMAGE AGAINST OTHER ADJACENT PURCHASER/LESSEE PROPERTIES CANOPY TREES 10

11. REQUIRED PROVIDED CANOPY TREES 11

12. REQUIRED PROVIDED CANOPY TREES 12 12

13. REQUIRED PROVIDED CANOPY TREES 13

14. REQUIRED PROVIDED CANOPY TREES 14

15. REQUIRED PROVIDED CANOPY TREES 15

16. REQUIRED PROVIDED CANOPY TREES 16

17. REQUIRED PROVIDED CANOPY TREES 17

18. REQUIRED PROVIDED CANOPY TREES 18

19. REQUIRED PROVIDED CANOPY TREES 19

20. REQUIRED PROVIDED CANOPY TREES 20

21. REQUIRED PROVIDED CANOPY TREES 21

22. REQUIRED PROVIDED CANOPY TREES 22

23. REQUIRED PROVIDED CANOPY TREES 23

24. REQUIRED PROVIDED CANOPY TREES 24

25. REQUIRED PROVIDED CANOPY TREES 25

26. REQUIRED PROVIDED CANOPY TREES 26

27. REQUIRED PROVIDED CANOPY TREES 27

28. REQUIRED PROVIDED CANOPY TREES 28

29. REQUIRED PROVIDED CANOPY TREES 29

THE TAMIAMI TRAIL SHOPPING CENTER

FULL SIZE (22"X34") SCALE : 1"=20'

HALF SIZE (11"X17") SCALE : 1"=40'

CALL 48 HOURS BEFORE YOU DIG IT'S THE LAW!
## Trees

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name / Common Name</th>
<th>Cont</th>
<th>CAL</th>
<th>Size</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC2</td>
<td>Adonidia merrilli / Christmas Palm</td>
<td>FG</td>
<td>Double Trunk</td>
<td>14' O.A.H.</td>
<td>4</td>
</tr>
<tr>
<td>BB</td>
<td>Burcera buceras 'Shady Lady' / Shady Lady Black Olive &quot;CANOPY TREE&quot;</td>
<td>FG</td>
<td>2&quot;Cal</td>
<td>8' x 4' Spr.</td>
<td>3</td>
</tr>
<tr>
<td>IE</td>
<td>Ilex x attenuata 'Explosion' / Explosion Holly &quot;CANOPY TREE&quot;</td>
<td>25 Gal Min.</td>
<td>2&quot; cal., Std</td>
<td>8' x 3' Spr.</td>
<td>12</td>
</tr>
<tr>
<td>QV</td>
<td>Quercus virginiana / Southern Live Oak &quot;CANOPY TREE&quot;</td>
<td>30 Gal Min.</td>
<td>2&quot;Cal</td>
<td>8' x 4' Spr.</td>
<td>6</td>
</tr>
<tr>
<td>SS</td>
<td>Sabal palmetto / Cabbage Palmetto</td>
<td>FG</td>
<td>Slick</td>
<td>10',12',14' C.T.</td>
<td>12</td>
</tr>
</tbody>
</table>

## Shrubs

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name / Common Name</th>
<th>Cont</th>
<th>HT. X SPR.</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB</td>
<td>Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly</td>
<td>3 gal</td>
<td>16&quot; x 14&quot;</td>
<td>56</td>
</tr>
<tr>
<td>PMA</td>
<td>Podocarpus macrophyllus / Podocarpus 36&quot; O.C.</td>
<td>7 gal</td>
<td>48&quot; x 24&quot;</td>
<td>13</td>
</tr>
<tr>
<td>VB</td>
<td>Viburnum suspansum / Sandankwa Viburnum 36&quot; O.C.</td>
<td>3 gal</td>
<td>2' x 2'</td>
<td>124</td>
</tr>
</tbody>
</table>

## Shrub Areas

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name / Common Name</th>
<th>Cont</th>
<th>SPACING</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IM</td>
<td>Ixora 'Mau / hybrid hybrids 18&quot; Ht. x 18&quot; Spr., Red and Yellow</td>
<td>3 gal</td>
<td>18&quot; o.c.</td>
<td>169</td>
</tr>
</tbody>
</table>

## Ground Covers

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name / Common Name</th>
<th>Cont</th>
<th>SPACING</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>DV</td>
<td>Dianella pinicola 'Variegata' / Flex Lily</td>
<td>1 gal</td>
<td>24&quot; o.c.</td>
<td>132</td>
</tr>
<tr>
<td>JP</td>
<td>Juncus articulatus 'Persicifolium' / Persicifolium Juncus</td>
<td>1 gal</td>
<td>24&quot; o.c.</td>
<td>208</td>
</tr>
<tr>
<td>LM</td>
<td>Liriope demilavata 'Evergreen Giant' / Evergreen Giant Border Grass</td>
<td>1 gal</td>
<td>14&quot; o.c.</td>
<td>128</td>
</tr>
<tr>
<td>MUL</td>
<td>Mulch / 3&quot; Depth Hardwood Mulch Recycled Melaleuca Mulch</td>
<td>Mulch</td>
<td></td>
<td>5,490 sf</td>
</tr>
<tr>
<td>NE</td>
<td>Najnchepoaauditata / Boston Fern</td>
<td>4&quot; Pot</td>
<td>18&quot; o.c.</td>
<td>244</td>
</tr>
<tr>
<td>TV</td>
<td>Trachelospermum asiaticum 'Minima Variegata' / Minima Variegated Jasmine 6&quot; x 10&quot;</td>
<td>1 gal</td>
<td>18&quot; o.c.</td>
<td>255</td>
</tr>
<tr>
<td>ZF</td>
<td>Zamia fontanesi / Coontie Palm 18&quot; x 18&quot;</td>
<td>3 gal</td>
<td>36&quot; o.c.</td>
<td>64</td>
</tr>
<tr>
<td>ZY</td>
<td>Zoysia sp. / Zoysia Grass sod</td>
<td>sod</td>
<td></td>
<td>2,349 sf</td>
</tr>
</tbody>
</table>

**Note:** All plant sizes indicated are minimums. All parts of the specification including caliper sizes must be met at installation.

**Note:** Canopy tree minimum size requirements are per VDPP Section 3.12.6, Pg. 32.

**Note:** Tree type designation (canopy or ornamental) is per the West Villages District Pattern Book (VDPB), Appendix A-1, A-2. Per the VDPB Sec. 3.13.8.2, pg. 43, all plant materials shall be from Appendix A of the VDPB.

**Note:** Contractor to verify all quantities.

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**NOTE:** Know what's below. Call before you dig.

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**CALL 48 HOURS BEFORE YOU DIG**

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**PLANT SCHEDULE**

**Root Barrier Detail**

**NOTE:** Contractor to verify all quantities.

**NOTE:** All plant sizes indicated are minimums. All parts of the specification including caliper sizes must be met at installation.

**NOTE:** Canopy tree minimum size requirements are per VDPP Section 3.12.6, Pg. 32.
LANDSCAPE NOTES:

1. All materials used shall conform to the requirements for Florida No. 1 or better as established by the Division of Plant Industry, Florida Department of Agriculture and Consumer Services, or unless otherwise specified by the owner. Materials used shall be approved by the owner prior to the start of construction. Any material not conforming to specifications shall be removed at the expense of the contractor. All subcontractors shall be responsible for the proper procuring, storing, and handling of materials and equipment used in the construction of this project.

2. Submittals of all materials shall be in accordance with the specifications, contract documents, and procedures outlined in this contract. In the absence of specific materials, the contractor shall assure that the materials are equivalent to the specifications, and the owner shall require proof of quality and performance of the contractor.

3. All materials and equipment shall be furnished, installed, and maintained in accordance with the specifications and contract documents. The contractor shall be responsible for the performance of the work, and shall promptly repair or replace any damaged or faulty materials or equipment.

4. The contractor shall be responsible for obtaining any necessary permits and approvals from local authorities, and shall be responsible for ensuring that all materials and equipment used are in compliance with all applicable laws and regulations.

5. The contractor shall maintain all materials and equipment in good working order, and shall be responsible for any damage or loss of materials and equipment during the course of the contract.

6. The contractor shall be responsible for the proper disposal of any waste materials and equipment, and shall be responsible for ensuring that all waste materials and equipment are disposed of in accordance with all applicable laws and regulations.

7. The contractor shall be responsible for ensuring that all materials and equipment used are in compliance with all applicable laws and regulations, and shall be responsible for obtaining any necessary permits and approvals from local authorities.

8. The contractor shall be responsible for the proper disposal of any waste materials and equipment, and shall be responsible for ensuring that all waste materials and equipment are disposed of in accordance with all applicable laws and regulations.

FERTILIZATION - TREES, SHRUBS AND GROUNDCOVERS

IMPORTANT NOTE:

- All trees, palms and shrubs shall be fertilized as follows:
  - 1. Prior to planting
  - 2. At planting
  - 3. 3 months after planting
  - 4. 6 months after planting
  - 5. 9 months after planting
  - 6. 12 months after planting
  - 7. 18 months after planting
  - 8. 24 months after planting
  - 9. 30 months after planting
  - 10. 36 months after planting
  - 11. 42 months after planting
  - 12. 48 months after planting
  - 13. 54 months after planting
  - 14. 60 months after planting
  - 15. 66 months after planting
  - 16. 72 months after planting
  - 17. 78 months after planting
  - 18. 84 months after planting
  - 19. 90 months after planting
  - 20. 96 months after planting

- All fertilization shall be performed using AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of grassing. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each plant at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All palms shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each palm at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All groundcovers shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each groundcover at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All sod shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each sod at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All turf shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each turf at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All shrubbery shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each shrubbery at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All mulch shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each mulch at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All irrigation shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each irrigation at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All landscape lighting shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each landscape lighting at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All decorative concrete shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each decorative concrete at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.

- All trees, palms and shrubs shall be fertilized as follows:
  - 1. Prior to planting
  - 2. At planting
  - 3. 3 months after planting
  - 4. 6 months after planting
  - 5. 9 months after planting
  - 6. 12 months after planting
  - 7. 18 months after planting
  - 8. 24 months after planting
  - 9. 30 months after planting
  - 10. 36 months after planting
  - 11. 42 months after planting
  - 12. 48 months after planting
  - 13. 54 months after planting
  - 14. 60 months after planting
  - 15. 66 months after planting
  - 16. 72 months after planting
  - 17. 78 months after planting
  - 18. 84 months after planting
  - 19. 90 months after planting
  - 20. 96 months after planting

- All fertilization shall be performed using AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass of each tree, palm, shrub, or groundcover at a depth of 4" to 6" below the surface of the soil. All plantings shall be fertilized with AGRIFORM 20-10-15 PLANTING TABLETS at the time of installation and prior to completion of backfilling. AGRIFORM PLANTING TABLETS shall be placed uniformly around the root mass at the depth that is between the middle and the bottom of the root mass.
FAILURE OF THE CONTRACTOR TO COMPLY WITH ANY OF THE ABOVE CONTRACTOR RESPONSIBILITIES SHALL BE HIS RESPONSIBILITY. ANY MATERIALS WHICH HAVE BEEN PROVIDED AND INSTALLED OR PLANT MATERIALS WHICH HAVE BEEN PLANTED AND NOT PROPERLY MAINTAINED OR TREATED FOR SOIL PEST CONTROL, DISEASES, OR TERRORISM SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. MATERIALS STORED ON-SITE AS YET TO BE USED ARE TO BE KEPT IN A CLEAN AND ORGANIZED MANNER.

DIVISION 2 - SITE WORK

I. GENERAL

LANDSCAPE ARCHITECT BEFORE CONSTRUCTION OF PLANTING IS STARTED. THE SAME SHALL APPLY TO THE ESTABLISHMENT OF PROPER GRADES AND LEVELS. ALL PLANTING WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS.

II. MATERIALS

1. FERTILIZERS: ALL FERTILIZERS SHALL BE UNIFORM IN COMPOSITION FREE FLOWING AND SUITABLE FOR APPLICATION IN A FERTILIZER BAG OR PACKAGE OR ON A TAG:

3. NUMBER OF NET POUNDS OF READY MIXED MATERIAL IN THE PACKAGE.
4. CHEMICAL COMPOSITION OR ANALYSIS.

III. QUALIFICATIONS:

1. ALL BIDDERS SHALL PERSONALLY EXAMINE THE SITE AND FULLY ACQUAINT THEMSELVES WITH ALL EXISTING CONDITIONS IN ORDER THAT NO MISUNDERSTANDING MAY ARISE AS TO THE CHARACTER OR AS TO THE EXTENT OF THE WORK TO BE DONE; ... ORDER TO ADVISE AND ACQUAINT THEMSELVES WITH ALL PRECAUTIONS TO BE TAKEN IN ORDER TO AVOID INJURY TO PERSONS AND PROPERTY.

4. ANY DAMAGE CAUSED TO UNDERGROUND INSTALLATIONS OF ANOTHER CONTRACTOR SHALL BE BACK CHARGED TO THE LANDSCAPE ARCHITECT DURING THE BIDDING PERIOD FOR REVIEW AND POSSIBLE QUALIFICATION.

V. SCHEDULE

1. CONTRACTORS, IT SHALL BE THE RESPONSIBILITY OF THE GRASSING CONTRACTOR TO MAINTAIN A SUITABLE GRADE FOR FINISH GRADE INCLUDING UNDER ANY EXISTING TREES.

7. WATER AND ROLLING: THE CONTRACTOR SHALL WATER SOD IMMEDIATELY AFTER INSTALLATION TO PREVENT DRYING OUT OR WITHDRAWAL OF THE WEED Barley.

8. STRENGTH OF SOD SECTION: STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG enough TO SUPPORT THEIR WEIGHT AND NOT SAG OR DISTORT AT A PERCENTAGE (10%) OF THE SECTION.

12. GENERAL GUARANTY: NEITHER THE FINAL CERTIFICATE OF PAYMENT NOR ANY PROVISION OF THE CONTRACT IS SUBJECT TO THE CONTRACTORS' RESPONSIBILITIES THROUGHOUT THE GUARANTY PERIOD SHALL INCLUDE THE FOLLOWING:

1. THE CONTRACTOR SHALL IN GOOD WORKMANLIKE MANNER, DO AND PERFORM ALL WORK AND FURNISH ALL MATERIAL AND EQUIPMENT ALLOTTED TO HIM UNDER THE CONTRACT, WITHIN THE TIME SPECIFIED HEREIN, IN ACCORDANCE WITH THE PROVISIONS OF THIS CONTRACT AND SAID SPECIFICATIONS AND CONTRACT DOCUMENTS, AND IN ACCORDANCE WITH THE DIRECTIONS OF THE ARCHITECT AS GIVEN FROM TIME TO TIME DURING THE PROGRESS OF THE WORK.

4. ANY DAMAGE CAUSED TO UNDERGROUND INSTALLATIONS OF ANOTHER CONTRACTOR SHALL BE BACK CHARGED TO THE LANDSCAPE ARCHITECT DURING THE BIDDING PERIOD FOR REVIEW AND POSSIBLE QUALIFICATION.

1. THE CONTRACTOR SHALL IN GOOD WORKMANLIKE MANNER, DO AND PERFORM ALL WORK AND FURNISH ALL MATERIAL AND EQUIPMENT ALLOTTED TO HIM UNDER THE CONTRACT, WITHIN THE TIME SPECIFIED HEREIN, IN ACCORDANCE WITH THE PROVISIONS OF THIS CONTRACT AND SAID SPECIFICATIONS AND CONTRACT DOCUMENTS, AND IN ACCORDANCE WITH THE DIRECTIONS OF THE ARCHITECT AS GIVEN FROM TIME TO TIME DURING THE PROGRESS OF THE WORK.

4. ANY DAMAGE CAUSED TO UNDERGROUND INSTALLATIONS OF ANOTHER CONTRACTOR SHALL BE BACK CHARGED TO THE LANDSCAPE ARCHITECT DURING THE BIDDING PERIOD FOR REVIEW AND POSSIBLE QUALIFICATION.
III. EXECUTION


2. CIRCULAR PITS WITH VERTICAL SIDES SHALL BE EXCAVATED FOR ALL PLANTS. DIAMETER OF PITS FOR TREES SHALL BE AT LEAST TWO FEET (2') GREATER THAN THE DIAMETER OF THE BALL. THE DEPTH OF PITS FOR TREES SHALL BE ENOUGH TO ACCOMMODATE THE BALL WHEN THE PLANT IS SET TO FINISH GRADE ALLOWING FOR SIX INCHES (6") COMPACTED PLANTING SOIL IN THE BOTTOM OF THE PIT.

THE CONTRACTOR SHALL REMEDY ANY DEFECTS IN THE WORK AND PAY FOR ANY DAMAGE TO OTHER OPERATIONS WITH THE BUILDING CONTRACTOR AND ANY OTHER CONTRACTOR ON THE JOB. REPAIR OF DAMAGE TO OTHER CONTRACTORS OR THE OWNER THROUGHOUT THE GUARANTY PERIOD SHALL BE AS FOLLOWS:

1. ALL PLANT MATERIAL SHALL BE WATERED IN AT THE TIME OF PLANTING, AND NOT LEFT TO DRY OUT UNTIL THE END OF THE DAY. THE AUTOMATIC IRRIGATION SYSTEM, IF SPECIFIED, DOES NOT REPLACE THE NEED FOR THOROUGH AND ADEQUATE WATERING AT THE TIME OF PLANTING TO FIRM THE PLANTS IN THE SOIL. WATERING SHALL COMMENCE WITH BACKFILLING TO ELIMINATE ALL AIR POCKETS. NO BURLAP SHALL BE PULLED OUT FROM UNDER BALLS. ROOTS SHALL BE SPREAD IN THEIR NORMAL POSITION. ALL BROKEN OR FRAYED ROOTS SHALL BE CUT OFF CLEANLY. PLANTING SHALL BE SET SO THAT THE FINAL GRADE OF GROUND AROUND THE PLANTS SHALL CONFORM TO SURROUNDING GRADES.

2. ALL TREES SHALL BE TRIMMED UP FOR CLEAR TRUNK, AS DIRECTED BY THE LANDSCAPE ARCHITECT. SUCH PRUNING MUST BE FREE OF ALL INSECTS, DISEASES AND INJURIES. SELF-HEADING SHALL BE PLANTED IN WELL ROTTED MANURE IN PITS TWELVE INCHES (12") GREATER AT ALL DIMENSIONS THAN THE BALL OF THE PLANT. ALL ROOTED PLANTS SHALL BE PLANTED IN A BEDDING AREA OF 10 LBS. DOLOMITE PER 100 SQ. FT. OF BEDDING AREA. MYCOR FLOWER BED INOCULANT BY PHC PRODUCTS, (ENDOMYCORRHIZAL).

4. FAILURE OF THE CONTRACTOR TO COMPLY WITH ANY OF THE ABOVE CONTRACTOR RESPONSIBILITIES SHALL BE CONSIDERED A VIOLATION OF THE CONTRACT AND THE CONTRACTOR SHALL BE THUS SUBJECT TO ANY OTHER REMEDIES AVAILABLE TO THE OWNER AND THE CONTRACTOR, INCLUDING THE RIGHT TO DISMISS THE CONTRACTOR AND SUBSTITUTE THEMSELF OR OTHER CONTRACTOR OR THROUGHOUT THE GUARANTY PERIOD UNLESS SPECIFICALLY NOTED OTHERWISE WITHIN THE CONTRACT OR AS NOTED IN THE SPECIFICATIONS.

5. MATERIALS: ALL PLANT MATERIALS SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS AND SITE PLANS. PLANTS MUST BE FREE OF ALL INSECTS, DISEASES AND INJURIES. SELF-HEADING SHALL BE PLANTED IN WELL ROTTED MANURE IN PITS TWELVE INCHES (12") GREATER AT ALL DIMENSIONS THAN THE BALL OF THE PLANT. ALL ROOTED PLANTS SHALL BE PLANTED IN A BEDDING AREA OF 10 LBS. DOLOMITE PER 100 SQ. FT. OF BEDDING AREA. MYCOR FLOWER BED INOCULANT BY PHC PRODUCTS, (ENDOMYCORRHIZAL).

6. PLANTING: ALL PLANTING MUST BE PLANTED SUITABLE AND UNDERSIZED ON 2x4 CURB SPLINTERS OR COMPLETED PER FREIGHTERAL MAINTENANCE SPECIFICATIONS. PLANTING MATERIALS MUST BE KEPT TIGHT AND THE BRACES ADJUSTED AS NECESSARY, THAT ALL PLANTING AREAS AND BEDS ARE KEPT CLEAN AND THE POSTING OF APPROVED WARNING SIGNS AND BARRICADES, AS MIGHT BE NECESSARY. HE SHALL REPAIR, RESTORE OR REPLACE ANY PLANTS OR PLANTING AREAS WHICH MIGHT BECOME DAMAGED AS A RESULT OF MALAISE OF THE WORK OR LOSS OF PLANTS THROUGH THE FAULT OF THE WORKER UNDER A CONTRACT IN SPECIFIC.

7. MAINTENANCE: ALL PLANTS SHALL BE MAINTAINED BY THE OWNER THROUGHOUT THE GUARANTY PERIOD IN SUBSTANTIAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. IN CERTAIN INSTANCES LIMITED, MAINTENANCE PROCEDURES AND FREQUENCY SHALL BE IN KEEPING WITH NORMAL INDUSTRY STANDARDS FOR THE SCOPE AND NATURE OF THE WORK INVOLVED. SUCH MAINTENANCE PROCEDURES AND FREQUENCY SHALL BE DETERMINED PRIOR TO PLANTING AT THE REQUEST OF THE LANDSCAPE CONTRACTOR. MAINTENANCE WILL BE DETERMINED AS APPROPRIATE FOR EACH SPECIES OF PLANT.

8. RESPONSIBILITY OF THE CONTRACTOR THROUGHOUT THE GUARANTY PERIOD SHALL BE AS FOLLOWS:

A. THE CONTRACTOR SHALL ENSURE THE PROPER INSTALLATION OF ALL PLANTS AND MAINTENANCE PERIODS OF PLANTS ENCOURAGED AND EDUCATION.

B. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN REPORT OF ALL MAINTENANCE PERIODS AND PROBLEMS ENCOUNTERED AND EDUCATION.

C. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION TO THE OWNER TO ENSURE THE PROPER INSTALLATION AND MAINTENANCE OF PLANTS.

D. THE CONTRACTOR SHALL ENSURE THE PROPER INSTALLATION OF ALL PLANTS AND MAINTENANCE PERIODS OF PLANTS ENCOURAGED AND EDUCATION.

E. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN REPORT OF ALL MAINTENANCE PERIODS AND PROBLEMS ENCOUNTERED AND EDUCATION.

F. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN REPORT OF ALL MAINTENANCE PERIODS AND PROBLEMS ENCOUNTERED AND EDUCATION.

G. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN REPORT OF ALL MAINTENANCE PERIODS AND PROBLEMS ENCOUNTERED AND EDUCATION.

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I. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN REPORT OF ALL MAINTENANCE PERIODS AND PROBLEMS ENCOUNTERED AND EDUCATION.

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OUT PARCEL “C”

U.S. 41 (TAMIAMI TRAIL)

OUT PARCEL “E”

ATM

MULTI-TENANT
BLDG.

8,000 S.F.

OUTPARCEL “D” = 1.17 AC.

15’ 1,800 sf

2,700 sf

3,500 sf

16”W

SLEEVES

2 @ 2”

SLEEVES

2 @ 2”

SLEEVES

2 @ 2”

SLEEVES

2 @ 2”

SLEEVES

2 @ 2”

SLEEVES

2 @ 2”

hunter PCB-R

Flood Bubbler, 1/2” FIPT, for Reclaimed water.

hunter PGV-101A

1” Plastic Electric Remote Control Valve, for Residential/Light Commercial Use. Female NPT InterCount Angle Configuration, 60 psi Control Pressure.

hunter PGV-101-AS, 201-AS

1-1/2” Plastic Remote Control Valve, plastic globe/angle valve, 60 psi control, Accu-Set pressure regulator.

nibco T-113

Class 125 bronze gate shut off valve with wheel handle, same size as nipples pipe diameter at valve location. Size Range - 1/4” - 3”

hunter ICD-100

Single Station Decoder w/Surge Suppression and Ground Wire

hunter ICD-200

2-Station Decoder with Surge Suppression and Ground Wire

IRRIGATION SCHEDULE

MANUFACTURER/DESCRIPTION

SYMBOL

SYMBOL

SYMBOL

Irrigation Lateral Line: PVC Class 160 SDR 26

Irrigation Mainline: PVC Class 200 SDR 21

PVC Class 30 Irrigation pipe

Pipe Sleeve: PVC Schedule 40

Typical pipe sleeve for irrigation pipe. Pipe sleeve size must allow for irrigation piping and related couplings to easily slide through sleeving material. Extend sleeves 36 inches beyond edges of paving or construction.

NOTE:

ALL COMPONENTS SHALL BE PURPLE FOR REUSE APPLICATION AS REQUIRED BY FDEP.

NOTE:

CONTROLLER, RAIN SENSOR AND METER ARE SHOWN ON OVERALL IRRIGATION PLANS FOR TAMIAMI TRAIL SHOPPING CENTER, SHEETS L-18 - L-28.

NOTE:

FOR CLARITY PURPOSES, UTILITIES NOT SHOWN ON THIS PLAN. REFER TO PLANTING PLAN SHEET L-02.

CONTRACTOR TO CONFIRM LOCATION OF ALL UTILITIES.

LATERAL PIPE SIZING REQUIREMENTS

FLOW RANGE

MINIMUM FIRE SIZE

1 TO 10 GPM

3/4”

11 TO 30 GPM

1”

21 TO 60 GPM

1-1/4”

61 TO 90 GPM

1-1/2”

91 TO 130 GPM

2”

ALL COMPONENTS SHOWN ON OVERALL IRRIGATION PLANS AND EQUIPMENT WITHIN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARY.

NOTE:

IRRIGATION IS SCHEMATIC ONLY. LOCATE IRRIGATION PIPING AND EQUIPMENT WITHIN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARY.

NOTE:

CALL BEFORE YOU DIG.

IT'S THE LAW!

DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.
NOTE: FOR CLARITY PURPOSES, UTILITIES NOT SHOWN ON THIS PLAN. REFER TO PLANTING PLAN SHEET L-02. CONTRACTOR TO CONFIRM LOCATION OF ALL UTILITIES.

LATERAL PIPE SIZING REQUIREMENTS

<table>
<thead>
<tr>
<th>FLOW RANGE</th>
<th>MINIMUM PIPE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 TO 10 GPM</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>11 TO 20 GPM</td>
<td>1&quot;</td>
</tr>
<tr>
<td>21 TO 30 GPM</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>31 TO 40 GPM</td>
<td>1-1/2&quot;</td>
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<td>2-1/2&quot;</td>
</tr>
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<td>91 TO 130 GPM</td>
<td>3&quot;</td>
</tr>
</tbody>
</table>

NOTE: IRRIGATION IS SCHEMATIC ONLY. LOCATE IRRIGATION PIPING AND EQUIPMENT WITHIN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARY.
IRRIGATION NOTES:

1. All irrigation layouts have been designed to provide 100% coverage with a mesh disc. Rectangular irrigation valve boxes shall be located as per the project specifications, and the landscape architect

2. All irrigation layouts shall be located as per the project specifications, and the landscape architect shall be notified of these changes.

3. Items shall be located within 14" x 19" rectangular valve boxes as follows:

4. Number with 1" black paint on top of lid

5. Drip equipment schedule:

6. Apply sealer to outside of finish grade noted. Where electric valve control lines pass through a sleeve with other compacted clean backfill main or lateral lines they shall be contained within a separate, smaller conduit.

7. Valve boxes shall be labeled as per the project specifications.

8. Thrust blocks shall be constructed behind all main line fittings, tees, bends, reducers, line valves, plugs, caps, etc., and shall be a concrete mix consisting of one part cement, two parts sand, and 5 parts gravel, mixed and placed fairly dry so they may be shaped easily. No precast units shall be used.

9. Thrust blocks shall be inspected prior to backfilling.

10. PVC wire conduit shall be one less than 20'. Runs of greater than 20' shall have solvent weld joints.

11. The full test pressure of 65 pounds per square inch (PSI) shall be held for no less than two hours or longer as necessary to permit thorough examination of all exposed joints in the section of main being tested. Test pressure shall be maintained at 65 PSI by pumping water into the pipe in increments of 500 psi with a maximum pressure of 1500 psi.

12. General electrical wiring shall be as per the project specifications.

13. Lighting arrestor detail:

14. Drip air/vacuum relief:

15. Typical drip layout:

16. Call before you dig.
### HYDROSTATIC TESTING

After the pipe has been laid and backfilled, the Contractor shall furnish the pump, pipe connections, blow-off valves and any other apparatus required to hydrostatically test the main line pipe for leakage. The Contractor and no substitutions shall be allowed without the prior written approval of the Landscape Architect. The Contractor shall inspect all materials and equipment prior to installation and any change in the number of materials and equipment shall be approved by the Landscape Architect.

### CODES AND INSPECTIONS

The entire installation shall comply fully with all applicable codes and regulations. The Contractor shall not be responsible for delays caused by the failure of the Contractor to secure permits or the issuance of permits by the public authorities.

### ROCK EXCAVATION

In the event ledge rock, boulders, stumps, or other obstructions are encountered in the excavation of the trenches, which cannot be removed by the equipment in use or tractor-mounted backhoe, the rock excavation shall be incorporated in the system as shown on the plans to shut off features at all times so as not to impede the general construction project. The Contractor must provide means of access to all sites.

### BEDDING MATERIAL

Excavated material, except in the case of excavated rock, is usually satisfactory for bedding of pipe. If the bedding materials are unsatisfactory, the Contractor shall add such materials as may be necessary to meet the specifications. The settlement caused by the bedding materials shall be permissible.

### STAKING AND LAYOUT

The Contractor shall staking and layout of all lines in accordance with the plans and specifications. All head, nozzles, and components which may be affected by such cut shall be properly relocated and operating instructions for all valves, sprinklers and other components shall be provided.

### RECORD PLAN

A complete and correct copy of the plans and designs shall be furnished by the Contractor to the Landscape Architect, for his approval, a complete and correct copy of the Record Plan and three (3) copies of manufacturer's maintenance and operating instructions for all valves, sprinklers and other components shall be provided. Before the completion of the work, the Contractor shall furnish the Landscape Architect with three sets of plans and designs for his approval. The Plans and Designs shall be approved by the Landscape Architect before the work is commenced.

### ADDITIONAL SPECIFICATIONS

1. **Irrigation Plan:**
   - The irrigation plan shall be prepared and submitted to the Landscape Architect for approval prior to the installation of the irrigation system. The irrigation plan shall be revised and submitted to the Landscape Architect for approval prior to the installation of the irrigation system.

2. **Sprinkler Heads, Controllers, Automatic Valves:**
   - Sprinkler heads, controllers, and automatic valves shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

3. **Pressure Regulating Valves:**
   - Combination pressure reducing, pressure control valves shall be installed as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

4. **Sprinkler Heads:**
   - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

5. **Quick Coupling Valves and/or Hose Bibbs:**
   - Quick coupling valves and/or hose bibbs shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

6. **Turf Area Heads:**
   - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

7. **Planting & Groundcover Area Heads:**
   - Heads in planting areas shall be set flush with ground cover. Heads in turf areas shall be set flush with turf.

8. **Wiring and Installation:**
   - All wiring and installation shall be done in accordance with existing codes. Sizing shall be done by the Contractor and approved by the Landscape Architect. The Contractor shall provide means of access to all sites.

9. **Valves:**
   - Gate valves shall be of the type and size as indicated on the irrigation design. Gate valves shall be located as shown on the plans. All risers shall be clearly marked by 18" stakes with blue square, properly reamed to remove obstructions or burrs.

10. **Valve Boxes:**
    - Standard rectangular valve boxes and covers shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

11. **Sprinkler Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

12. **Irrigation Piping:**
    - All irrigation piping shall be installed in accordance with the plans and specifications. Locate as needed for smooth blending to adjacent areas.

13. **Irrigation System:**
    - The irrigation system shall be tested in accordance with the plans and specifications. Locate as needed for smooth blending to adjacent areas.

14. **Irrigation Plan:**
    - The irrigation plan shall be prepared and submitted to the Landscape Architect for approval prior to the installation of the irrigation system. The irrigation plan shall be revised and submitted to the Landscape Architect for approval prior to the installation of the irrigation system.

15. **Sprinkler Heads, Controllers, Automatic Valves:**
    - Sprinkler heads, controllers, and automatic valves shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

16. **Pressure Regulating Valves:**
    - Combination pressure reducing, pressure control valves shall be installed as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

17. **Sprinkler Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

18. **Quick Coupling Valves and/or Hose Bibbs:**
    - Quick coupling valves and/or hose bibbs shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

19. **Turf Area Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

20. **Planting & Groundcover Area Heads:**
    - Heads in planting areas shall be set flush with ground cover. Heads in turf areas shall be set flush with turf.

21. **Wiring and Installation:**
    - All wiring and installation shall be done in accordance with existing codes. Sizing shall be done by the Contractor and approved by the Landscape Architect. The Contractor shall provide means of access to all sites.

22. **Valves:**
    - Gate valves shall be of the type and size as indicated on the irrigation design. Gate valves shall be located as shown on the plans. All risers shall be clearly marked by 18" stakes with blue square, properly reamed to remove obstructions or burrs.

23. **Valve Boxes:**
    - Standard rectangular valve boxes and covers shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

24. **Sprinkler Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

25. **Quick Coupling Valves and/or Hose Bibbs:**
    - Quick coupling valves and/or hose bibbs shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

26. **Turf Area Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

27. **Planting & Groundcover Area Heads:**
    - Heads in planting areas shall be set flush with ground cover. Heads in turf areas shall be set flush with turf.

28. **Wiring and Installation:**
    - All wiring and installation shall be done in accordance with existing codes. Sizing shall be done by the Contractor and approved by the Landscape Architect. The Contractor shall provide means of access to all sites.

29. **Valves:**
    - Gate valves shall be of the type and size as indicated on the irrigation design. Gate valves shall be located as shown on the plans. All risers shall be clearly marked by 18" stakes with blue square, properly reamed to remove obstructions or burrs.

30. **Valve Boxes:**
    - Standard rectangular valve boxes and covers shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

31. **Sprinkler Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

32. **Quick Coupling Valves and/or Hose Bibbs:**
    - Quick coupling valves and/or hose bibbs shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

33. **Turf Area Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

34. **Planting & Groundcover Area Heads:**
    - Heads in planting areas shall be set flush with ground cover. Heads in turf areas shall be set flush with turf.

35. **Wiring and Installation:**
    - All wiring and installation shall be done in accordance with existing codes. Sizing shall be done by the Contractor and approved by the Landscape Architect. The Contractor shall provide means of access to all sites.

36. **Valves:**
    - Gate valves shall be of the type and size as indicated on the irrigation design. Gate valves shall be located as shown on the plans. All risers shall be clearly marked by 18" stakes with blue square, properly reamed to remove obstructions or burrs.

37. **Valve Boxes:**
    - Standard rectangular valve boxes and covers shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

38. **Sprinkler Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

39. **Quick Coupling Valves and/or Hose Bibbs:**
    - Quick coupling valves and/or hose bibbs shall be as specified on the plans and specifications. Locate as needed for smooth blending to adjacent areas.

40. **Turf Area Heads:**
    - Heads in lawn areas shall be set flush with sod. Heads in planting areas shall be set 1-2 inches above ground level. Heads in turf areas shall be set flush with turf.

41. **Planting & Groundcover Area Heads:**
    - Heads in planting areas shall be set flush with ground cover. Heads in turf areas shall be set flush with turf.

42. **Wiring and Installation:**
    - All wiring and installation shall be done in accordance with existing codes. Sizing shall be done by the Contractor and approved by the Landscape Architect. The Contractor shall provide means of access to all sites.

43. **Valves:**
    - Gate valves shall be of the type and size as indicated on the irrigation design. Gate valves shall be located as shown on the plans. All risers shall be clearly marked by 18" stakes with blue square, properly reamed to remove obstructions or burrs.