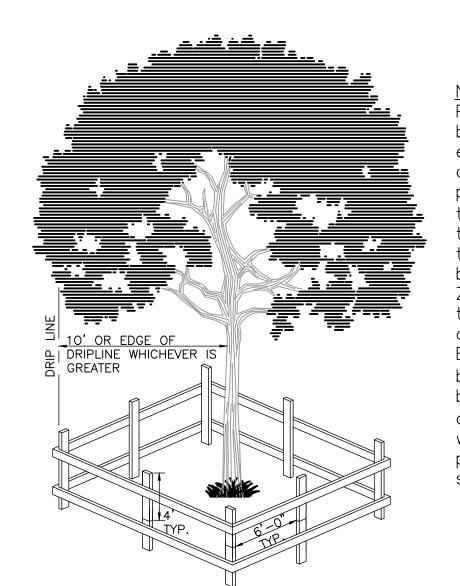


Existing trees to be						
	Removed Count SIZE INCHES 2 10 20.0000					
TYPE	Count	SIZE	INCHES			
OAK	2	10	20.0000			
OAK	2	16	32.0000			
OAK	6	14	84.0000			
OAK	3	18	54.0000			
PINE	1	16	16.0000			
PINE	2	10	20.0000			
PINE	1	12	12.0000			
PINE	1	14	14.0000			
Total						
	18		252.0000			
<u> </u>	•	•				

SYMBOLS TREES TO BE REMOVED

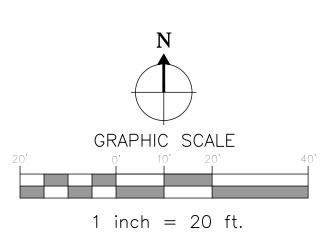
EXISTING TREE TOTALS TOTAL TREES REMOVED = 18 TOTAL CALIPER REMOVED = 252" TOTAL TREES PRESERVED = 11 TOTAL CALIPER PRESERVED = 122' REQUIRED REPLACEMENT = 25.2"



NOTE: Posts shall be used as protective barriers to the roots and trunk of every tree on the parcel being developed. The posts shall be placed at points not closer than placed at points not closer than three—quarters (3/4) the radius of the drip—line of the protected tree, unless the structure has been permitted by Planning, Zoning & Development Department to be erected within the drip—line of a tree with a wide canopy.

Each section of the barrier shall be clearly visible (flagged with be clearly visible (flagged with brightly colored plastic tape or other markers). No attachments or wires other than those with protective or non—damaging nature shall be attached to any tree.





I-OUU-432-4770 or 811

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FLORIDA LAW REQUIRES

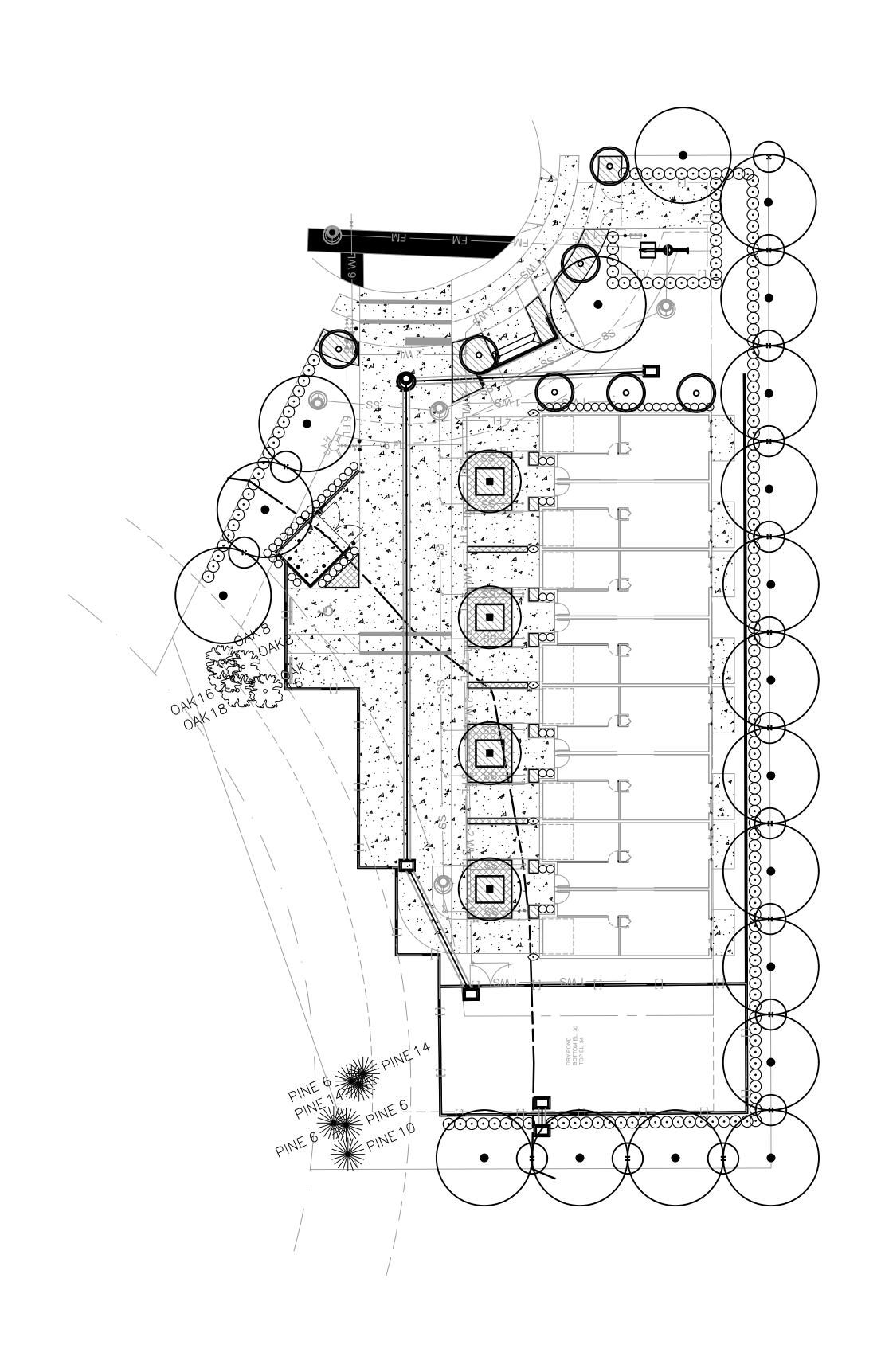
EXCAVATABLE TO

LANDSCAPE ARCHITECT: Robert R. Buchanan LA000093

CONTRACTOR MUST REVIEW
ALL GENERAL LANDSCAPE
NOTES PRIOR TO BIDDING AND
CONSTRUCTION

Mitigation Plan

1) 6/12/22 2) 8/1/22 4) 5) 5) 6) 7)



LANDSCAPE TABULATION

GENERAL REQUIREMENTS

City of Deltona Land Development Code Applies Section 110—808, Landscaping Requirements

<u>Landscape Adjacent to Street Right—of—Way:</u> (3 canopy, 3 understory per 100 l.f.)

Northwest & 101' - 38' (Impervious) = 63'
Trees Required: 2 Canopy, 2 Understory
Trees Provided: 3 Canopy, 3 Understory

Landscape Adjacent to Other Properties:

(4 canopy, 4 understory per 100 l.f.)

South & 95' Trees Required: 4 Canopy, 4 Understory Trees Provided: 4 Canopy, 4 Understory

East & 265' Trees Required: 11 Canopy, 11 Understory Trees Provided: 11 Canopy, 11 Understory

West & 74'

Trees Required: 3 Canopy, 3 Understory
Trees Provided: 3 Canopy, 3 Understory

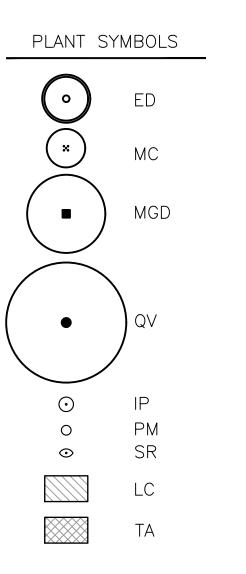
NOTES:

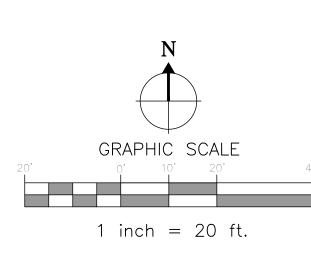
1) Irrigation system to be a permanent system.

2) The irrigation plan shall be designed and installed to conform to this code.

3) All plant material shall be FL. Grade #1 and "Florida Friendly".

Plant List — Conway Apartments					
CNT	SYM	BOTANICAL	COMMON	SPECIFICATIONS	
Trees					
7	ED	Elaeocarpus decipiens	Japanese Blueberry	7' ht., 3' spr., 2.5" cal.	
16	МС	Myrica cerifera	Wax Myrtle	7' ht., 3' spr., multi.	
4	MGD	Magnolia grandiflora 'Bracken's Brown Beauty'	Bracken's Brown Beauty Magnolia	10' ht., 4' spr., 3" cal.	
19	QV	Quercus virginiana	Live Oak	10' ht., 4' spr., 3" cal.	
Shrubs & Groundcover					
166	IP	Illicium parviflorum	Yellow Anise	24-30" ht. x 18-24" spr., 36" o.c.	
67	РМ	Podocarpus macrophyllus	Podocarpus	3 gal., full, 24" o.c.	
5	SR	Strelitzia reginae	Orange Bird of Paradise	7 gal., full, as shown	
162	LC	Loropetalum chinense	Loropetalum	3 gal., full, 24" o.c.	
588	TA	Trachelospermum asiaticum	Asiatic Jasmine	4" pot, 12" o.c.	
Sod & M	ulch				
	MULCH		Mini Pine Bark	3" depth	
	SOD	Paspalum notatum	Bahia Sod	solid sod, weed free, count by contractor	



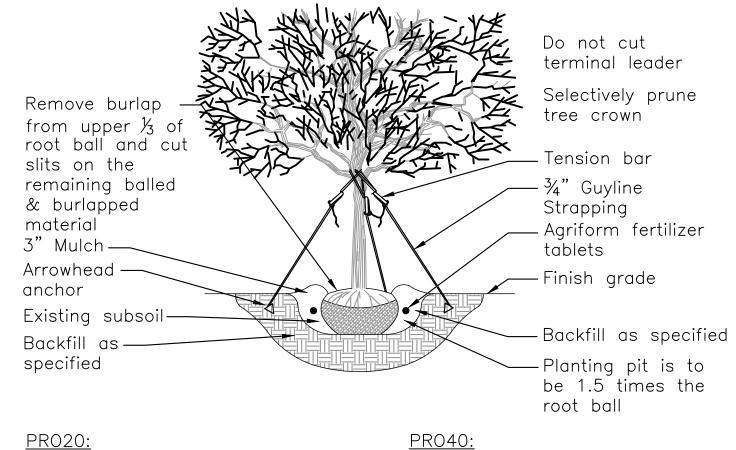


LANDSCAPE ARCHITECT:
Robert R. Buchanan LA0000932

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FLORIDA LAW REQUIRES
EXCAVATORS TO NOTIFY
OWNERS OF UNDERGROUND
FACILITIES NO LESS THAN TWO
(2) DAYS PRIOR TO EXCAVATION

CONTRACTOR MUST REVIEW
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CONSTRUCTION



For up to 2" Caliper Trees (3) ARBORGUYTM Guylines 3/4" x 12' = 600 lb test Black or Green. UV resistant, polypropylene strapping (3) "Tool−Free" Tension Bars™

3-3/4")

AGRIFORM FERTILIZER —

For up to 4" Caliper Trees (3) ARBORGUYTM Guylines 1"x12'= 600 lb test, Black or Green, UV resistant polypropylene strapping (3) "Tool−Free" Tension Bars™ (3) Arrowhead Anchors

SCALE= N.T.S.

(3) Arrowhead *Anchors (4" x $(4-3/4"\times3-3/4")$ ARBORGUY PRO20/PRO40 STAKING AND PLANTING DETAIL

with tensioning and locking bands with metal sprina locking clamps screw / clamp ARBORGUY PALM BATTEN DETAIL L200

Secure fronds until

Locking polypropelene -

bands or steel locking

(3) Wood Palm Batten(TM)-

bands to secure

Finish grade 2" —

below top root

Slow release -

as specified

Rootball on

fertilizer tablets

Backfill as specified—

unchanged subgrade

PBKM(Metal Bands)

(3) 1 1/2"x3 1/2"x12" (2x4

pre-notched (to accept

2"x4"x8' support braces)

(2) 44" plated carbon steel bands

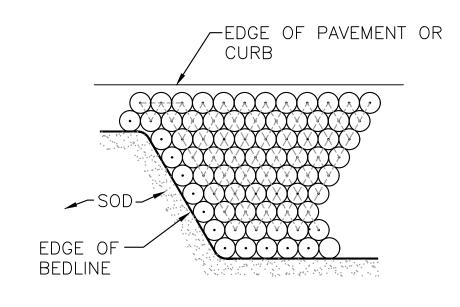
quides for banding,

wood) battens with 5 layers of

burlap backing and (4) staple

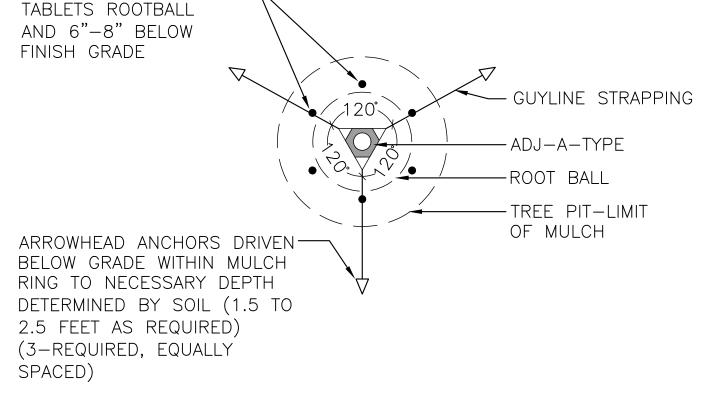
installed

battens

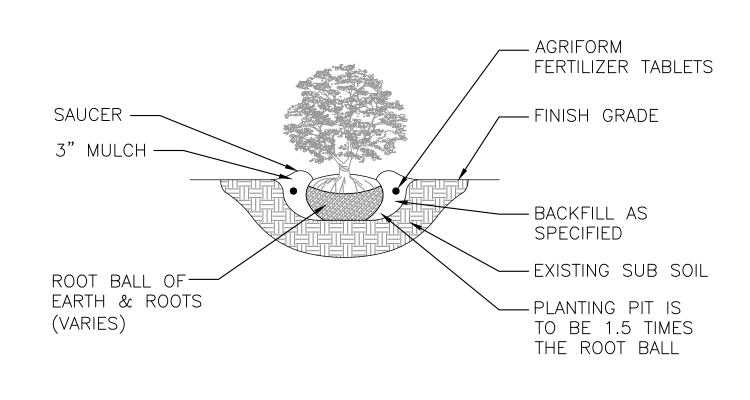


NOTE: FORM EDGE OF BED, THEN FILL IN BED AT TRIANGULAR SPACING AS SPECIFIED ON PLANT

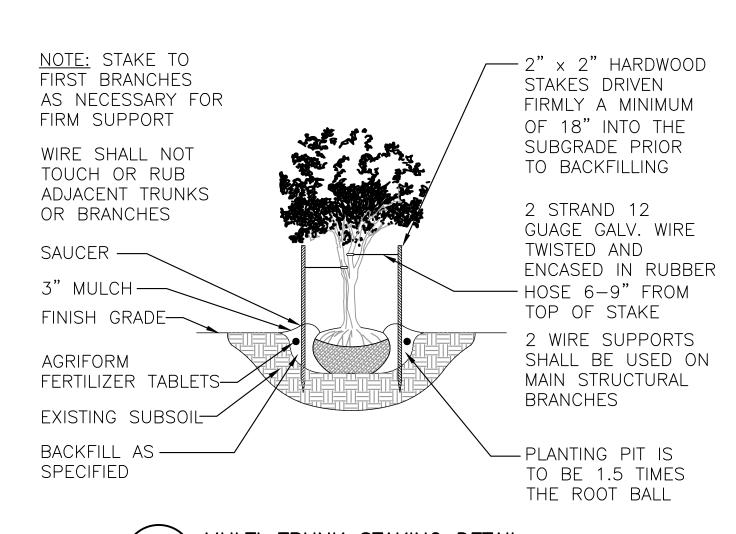








TYPICAL SHRUB/GROUNDCOVER PLANTING DETAIL L200 SCALE= N.T.S.



GENERAL LANDSCAPE NOTES:

-(3) Equally spaced

2"x4" wood braces

- p.t. nail to palm

batten(tm) & 2x4

stakes flag at

midpoint & base

— Mulch as specified

& 4" from trunk

—Soil berm to hold

-2"x4"x24" Pressure

treated pine ground

Saucer at edge of

-Prepare planting

soil as specified

rootball

PBKC (Polypropelene Bands)

(3) 1 1/2"x3 1/2"x12" (2x4

wood) battens with 5 layers

of burlap backing and (4)

staple guides for banding,

pre-notched (to accept

2"x4"x8' support braces)

(2) 8'x1", 600 lb test webbing

SCALE= N.T.S.

Failure to notify Landscape Architect of plan, detail, or specification discrepancies prior to construction, makes contractor responsible for all costs incurred for construction charges, not the owner or his representative (Landscape Dynamics) The Owner must maintain the height of all plants within the "Line-Of-Site" triangle area to a height of no greater than 24" above grade for shrubs and groundcover, and tree branching no lower than 72" above finish grade, to ensure clear site line views toward traffic at road and driveway intersections. Landscape Dynamics is not responsible for continued maintenance of such plant material. The owner, leasing company and/or the landscape maintenance company accepts full responsibility for these maintenance requirements.

-Landscape contractor (LC) shall be responsible for all materials and work called for on the landscape plans and in the landscape notes and legend. Plant specifications are minimum acceptable sizes. Plans shall rule if there are any quantity discrepancies between the legend and plans. Final quantity takeoffs are the responsibility of the LC. Notify the Landscape Architect of any discrepancies.

- -LC shall comply with all local codes and ordinances and obtain all permits and bonds necessary to construct the project.
- -LC shall coordinate their work with other contractors to assure efficient and timely completion of the work. -LC shall be responsible for supplying all materials, labor, and equipment for the performance of their portion of the work.
- -LC to verify all existing grades, dimensions, adequate drainage, suitable planting soil and field conditions and notify owner of discrepancies before proceeding with work. Per FL Statutes, LC to call Sunshine State One (811) 72 hours prior to digging to have all utilities located.
- -LC to protect existing utilities, structures, surfaces, and vegetation noted to be saved and be responsible for repair/replacement. -Protect trees to be saved per detail. Vehicle parking, material storage, or soil removal/addition is not permitted within driplines. -Round-Up shall be applied twice at ten day intervals onto all existing vegetation, sod, and groundcover areas that are to be replanted. Extreme care shall be taken to prevent overspray and/or drift onto existing plant material to be saved. Mfr's recommendations shall be followed. Remaining weeds and their roots shall be removed by hand prior to installation of plants. Resprouting weeds and plants are the responsibility of the LC through the one year warranty period.
- -All plant materials shall be graded Florida No. 1 or better as outlined under current Grades and Standards for Nursery Plants, Division of Plant Industry, State of Florida, unless otherwise noted. All plants not listed shall conform to a Florida No. 1 or better as to: (1) health and vitality, (2) condition of foliage, (3) root system, (4) freedom from pest or mechanical damage, (5) heavily branched and densely foliated according to the accepted normal shape of the species. LC to obtain written certification from nurseries that plant materials are Florida No. 1 or better. Trees up to 4" caliper measured at 6" above soil line and over 4" caliper at 12" above soil line unless otherwise noted. All specifications to be met or exceeded unless otherwise noted. All rootballs and containers to be free of weeds and their roots.

-Planting soil of Fla. peat mixed 1/2 with clean topsoil for the backfilling of plant pits and beds shall be required only if existing soil is unsuitable for planting and/or contains lime rock or construction debris (to be removed).

-Trees and palms shall be installed so their top main root at the trunk is visible and 2" above finished grade. If root is buried, remove soil from the top of the rootball prior to installation. Do not apply the 1 $\frac{1}{2}$ " of mulch to the top of the rootball until after inspection of each tree or palm.

-Landscape Architect is not responsible for adverse soil or drainage conditions, determining sub-surface soil conditions, underground objects/utilities or the accuracy of property lines or information portrayed on surveys or on documents or plans provided by others. Owner or their agent is solely responsible for future maintenance of all plantings to maintain safe visibility within all visibility sight triangles and vehicular use and pedestrian areas within and immediately adjacent to the site.

-Finished grade prior to mulching or sodding to be 3" below top of adjacent surfaces such as walks, curbs and driveways extending perpendicularly from the surface edge for a minimum distance of 18". See detail.

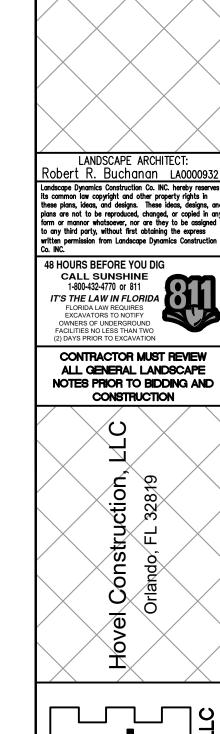
-All palms, trees, shrubs, and groundcovers shall be fertilized with Agriform 20-10-5 or SierraTabs 16-8-12 planting tablets. One tablet/ 1 gal, 2 tablets/ 3 gal, 3 tablets/ 5 or 7 gal, 4 tablets/ 10 gal and one tablet/ each 1/2" of tree trunk diameter. Application shall be as per the details and mfr's recommendation.

-All planting beds (except for annuals) and trees to receive med. pine bark mulch. Due to environmental concerns, cypress mulch shall NOT be used. All tree rootballs (which require 4 foot wide mulch rings in turf areas) shall be mulched to a maximum 1 ½" depth (to aid water penetration) following inspection. All other planting beds to receive a 3" depth. Mulch shall not touch trunks or stems or be applied within the crowns of groundcovers or over their branches or foliage. Mulch is to be applied by hand and shall not be "blown"

- -LC to maintain all plant material in a plumb, upright and stable condition. All trees/palms to be guyed/staked as per details.
- —LC to remove all bags (unless biodegradable), tags, ties, wires, ropes, stakes and nursery attachments from all plant material.
- -LC shall be responsible to keep plant material in a healthy, hand watered, insect/pest free condition until owner's final acceptance. -LC to provide a one-year warranty for trees/palms, shrubs, groundcovers, and vines and thirty days for sod. Warranty period shall start with final acceptance by owner. All plant material shall be alive and in satisfactory growth at the end of the warranty period. Replacement plant material shall be warranted for ninety days (sod for thirty days) from replacement date.

Warranty shall apply only to material that dies due to poor quality, improper handling, or installation practices. Generally, material transplanted on—site shall not be warranted. Adverse weather conditions shall not apply. Proper watering and maintenance are the owner's responsibility during the warranty period.

-Provide 100% coverage of all landscape areas using automatic underground irrigation system with rain sensor.

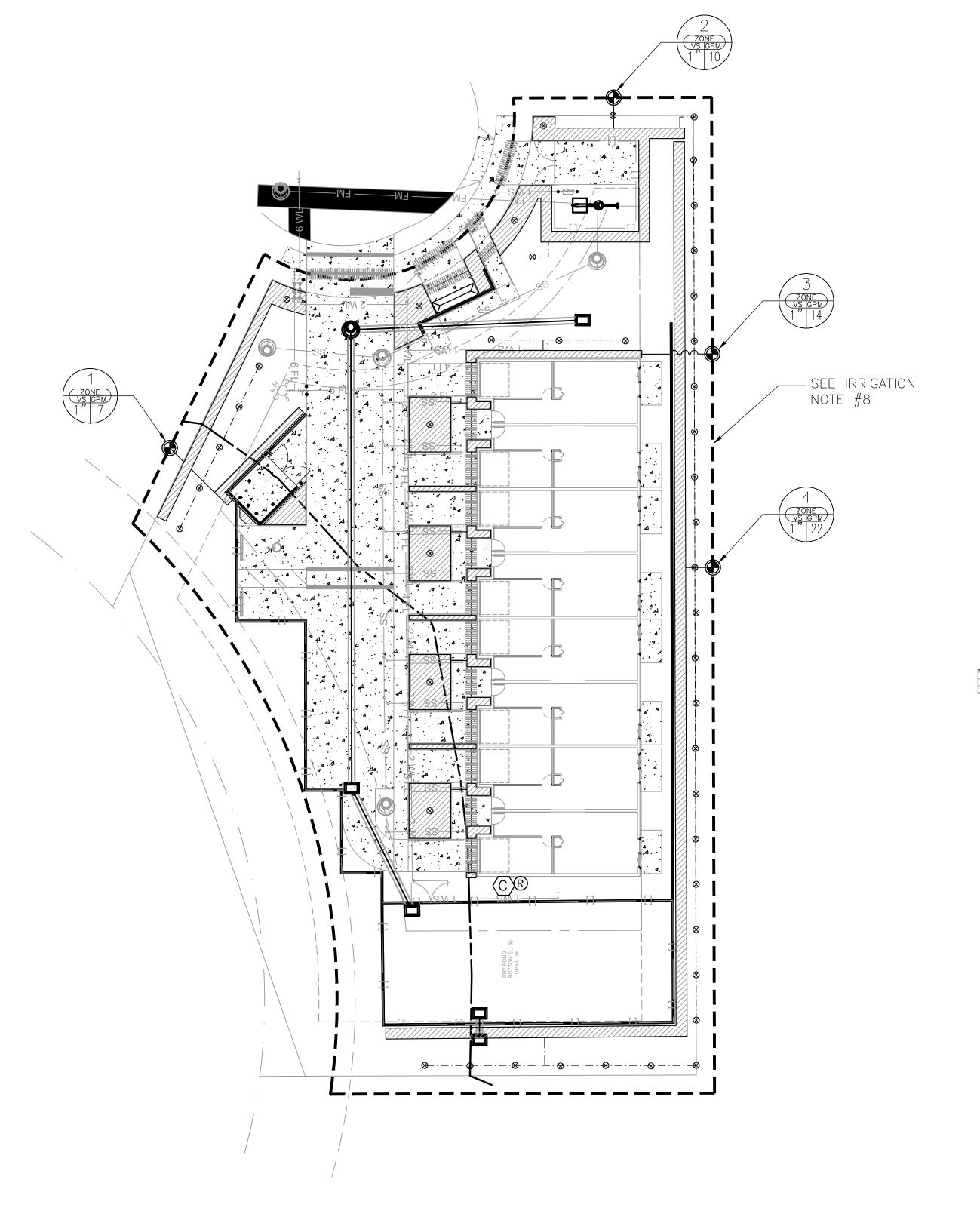




and Spec Landscape Details

P.O. BOX (2) 6/12/22 (2) 8/1/22 (3) 8/1/22 (4) (5) (5) (5) (5) (6) (7)

MULTI-TRUNK STAKING DETAIL L200 SCALE= N.T.S.



IRRIGATION SYMBOLS:

O RAINBIRD 1804—SAM—PRS (4" SPRAY) (PURPLE)

RAINBIRD 1806—SAM—PRS (6" SPRAY) (PURPLE)

RAINBIRD 1812—SAM—PRS (12" SPRAY) (PURPLE)

RAINBIRD 1812—SAM—PRS (12" SPRAY ON RISER) (PURPLE)

⊗ (2) XERI-BUBBLER ON 1/4" TUBING (PURPLE)
 ⊕ (2) XERI-BUG EMITTER ON 1/4" TUBING (PURPLE)

RAINBIRD 3500 SERIES (ROTOR) (PURPLE)

(2 PER SHRUB - NOT SHOWN)

RAINBIRD 5500 SERIES (ROTOR) (PURPLE)

REMOTE—CONTROL VALVE (PURPLE)

CONTROL ZONE KIT WITH PRESSURE REGULATING BACKFLUSH FILTER (PURPLE)

PEB SERIES ELECTRIC

RAINBIRD ESP-MC PLASTIC
WALL-MOUNT (CONTROLLER) (PURPLE)

RAINBIRD RSD-CEX ROOF CONDUIT (RAIN SENSOR) (PURPLE)

BACKFLOW PREVENTER

M 1" WATER METER (PURPLE)

----- LANDSCAPE DRIPLINE TUBING (PURPLE)

LANDSCAPE DRIP AREA (PURPLE)
(TUBING AND EMITTERS 12" O.C.)

1½" PVC LATERAL MAINLINE (PURPLE)

NOTE: (PIPE TO BE SIZED NOT TO EXCEED A VELOCITY OF 5 FPS / MAX. PSI LOSS IN ZONE LINES NOT TO EXCEED 10% OF OPERATING PSI) MINIMUM PIPE SIZE TO BE 34"

PVC SCH 40 SOLVENT WELD SLEEVE PIPE (SL.) — SIZE TO BE DOUBLE THAT OF THE LATERAL LINE **(PURPLE)**

♦ POINT OF CONNECTION - PVC TO DRIP TUBING

GENERAL IRRIGATION NOTES:

 REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS. HAND DIG AROUND ANY EXISTING TREES. DO NOT CUT ANY ROOTS OVER 2" IN DIAMETER.
 ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH

OF 12" OF COVER.

3) ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING A PVC SWING PIPE CONNECTION. DO NOT USE POLYETHLENE PIPE.

4) ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES & BLDG. WALLS. THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING. USE ADJUSTABLE NOZZLES WHERE REQUIRED TO AVOID ANY WATER ON BUILDING WINDOWS.

5) ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING

KING "ONE STEP" CONNECTORS AND SEALANT WITH WIRE NUTS.

6) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING SHOWING ALL IRRIGATION INSTALLATION. THE CONTRACTOR SHALL NEATLY MARK IN RED INK ON A WHITE BOND PAPER COPY OF THE IRRIGATION PLAN ANY INSTALLATION THAT DEVIATES FROM THE PLAN. THE AS-BUILT DRAWING SHALL ALSO LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES. MEASUREMENTS SHALL BE MARKED ON THE PLAN EVEN WHEN THE EQUIPMENT IS INSTALLED IN THE EXACT LOCATION AS THE PLAN.

7) ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. THE VALVE BOXES SHALL BE PURPLE WHEN USING

REUSE WATER.

8) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS OR INSIDE A SCH. 40 SLEEVE.

9) THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE IN THE FIELD.

10) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE

ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY THEIR WORK.

11) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE

OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP. (OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS) 12) ELECTRICAL SERVICE TO LOCATION OF THE CONTROLLER, WELL OR PUMP SHALL BE PROVIDED TO A JUNCTION BOX OR DISCONNECT AT THE EQUIPMENT LOCATION BY THE ELECTRICAL CONTRACTOR OR BY OWNER WHEN IT IS NOT PART OF THE BID PACKAGE. 13) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCALE THE PLAN AND CHECK NOZZLE TYPES TO DETERMINE THE CORRECT SPACING OF THE HEADS. THE CONTRACTOR SHALL NOT SPACE THE HEADS FURTHER APART OR USE LESS HEADS THAN SHOWN ON THE PLAN. ANY CHANGES TO THE HEAD SPACING OR LAYOUT, WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT OR OWNER, SHALL HOLD THE IRRIGATION CONTRACTOR RESPONSIBLE FOR WARRANTY OF THE PLANTS AND OR SOD IN THESE AREAS. 14) IRRIGATION SYSTEM DESIGN REQUIREMENTS: 60 GPM @ A MINIMUM OF 60 PSI AT EACH POINT OF CONNECTION. THE IRRIGATION CONTRACTOR

SHALL VERIFY THE AVAILABLE GPM AND PSI PRIOR TO INSTALLATION OF THE SYSTEM.

15) 48 HOURS BEFORE DIGGING, CALL 1-800-432-4770 (SUNSHINE STATE ONE CALL CENTER)

Phone: 407-579-1811 - Email: randy•landscapedy

Robert R. Buchanan LA000093

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HEVISIONS

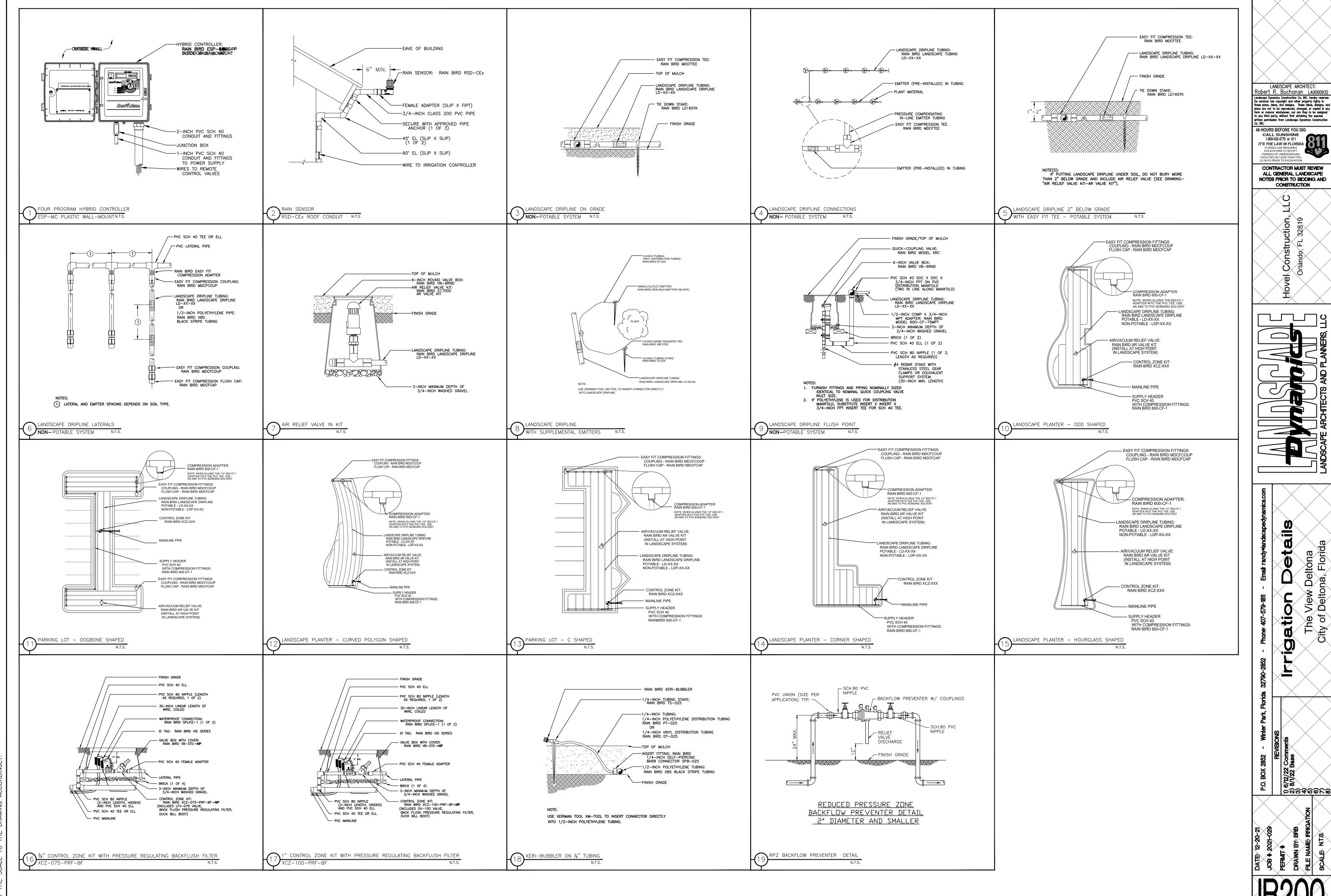
1) 6/12/22 Comments
2) 8/1/22 Base
3)
4)
5)
5)
6)
7)

JOB # 2021-029
PERMIT #
DRAWN BY: BRB
FILE NAME: IRRIGATION

GRAPHIC SCALE

1 inch = 20 ft.

IF LESS THAN 24"x36" SHEET HAS BEEN REDUCED.



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