0 15 30 60
FEET

N

MATCHLINE L-301

MATCHLINE L-302

17-IDB

SOD

EX. BUILDING
F.F.=77.00

POD A

N.W. 119TH TERR.

U.S. HWY. 441

U.S. HWY. 441

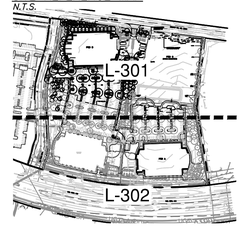
M.E.S.
15" Inv=71.43'

M.E.S.
15" Inv=71.46'

45' PUBLIC UTILITIES EASEMENT

30' INGRESS/EGRESS EASEMENT

SITE REFERENCE MAP
N.T.S.



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5620 * LCC000210 * GB238

CONCEPT CONSTRUCTION

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REVISIONS

NO.	DESCRIPTION	DATE
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	CITY OF ALACHUA REVIEW	10/10/16
	CITY OF ALACHUA REVIEW	10/17/16

DATE ISSUED:	06/30/16
SCALE:	1" = 30'-0"
DRAWN BY:	CMT
REVIEWED BY:	CEM

CHW PROJECT NUMBER
16-0111

LANDSCAPE PLAN - POD B

SHEET NUMBER

L-302

CITY SUBMITTAL

Tools: csetl Plot Date: Oct 15,2016 1:24pm Filename: C:\Users\csetl\cyzydzy\csetl\temp\AcPublish_8072\16-0111_design_base-POD B.dwg

IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL	ARC	PSI	GPM	RADIUS
	Irritrol 533 Bubbler on nearest tree	360	30	0.50	1'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Area to Receive Dripline Hunter PLD-10-12 On-Surface Pressure Compensating Landscape Dripline. 0.9GPH emitters at 12.0" O.C. Dripline laterals spaced at 16.0" apart, with emitters offset for triangular pattern. UV Resistant.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PGV in 12" Valve Box
BF	Wilkins 975XL 1" Backflow Preventer
C	Hunter PC-900 9 Station Controller
S	Hunter WR-CLIK Wireless Rain Clik
F	Hunter HY-100 filter and 1" PVC ball valve in Jumbo Valve Box
M	Water Meter ¾" by others see civil plans
	Irrigation Lateral Line: PVC Class160
	Irrigation Mainline: PVC 1-1/2" Class 200 SDR 21
	Pipe Sleeve: PVC Schedule 40 Extend sleeves 18 inches beyond edges of paving or construction.

1.0 GENERAL

1.1 SUMMARY: Includes but not limited to:
- A. Furnishing and installing sprinkler system as described in Contract Documents complete with accessories necessary for proper functioning.

1.2 SYSTEM DESCRIPTION:
- A. Design Requirements:
  1. Layout of Irrigation Heads:
     - a. Location of heads shown on Drawings is approximate. Actual placement may vary slightly as is required to achieve full, even coverage without spraying onto buildings, sidewalks, fences, etc.
     - b. During layout, consult with Landscape Architect to verify proper placement and make recommendations, where revisions are advisable.

1.3 QUALITY ASSURANCE:
- A. Regulatory Requirements:
  1. Work and materials shall be in accordance with latest rules and regulations, and other applicable state or local laws. Nothing in Contract Documents is to be construed to permit work not conforming to these codes.
- B. Pre-Installation Conference:
  1. Meet with Owner and Landscape Architect to discuss and clarify all aspects of job requirements prior to commencing work of this Section.
- C. System Adjustments:
  1. Minor adjustments in system will be permitted to avoid existing fixed obstructions.
  2. Mainline, laterals, and valves are shown for clarity purposes only. All irrigation equipment to be with landscape area. Mainline, laterals and valves to be installed as far away from existing and new specimen trees as possible.
- D. 1. Documentation and submittal of actual water supply performance prior to commencing installation.

1.4 SUBMITTALS:
- A. Record Drawings:
  1. Prepare an accurate as-built drawing as installation proceeds to be submitted prior to final inspection. Drawing shall include:
     - a. Detail and dimension changes made during construction.
     - b. Significant details and dimensions not shown in original Bidding Documents.
  2. Maintain, at job site, one copy of Contract Documents (as defined in General Conditions) and relevant shop drawings.
  3. Clearly mark each document "PROJECT RECORD COPY" and maintain in good condition for use of the Landscape Architect and Owner.
  4. As-built drawing shall be provided in PDF format.
  5. Submit product literature for all sprinklers, valves, pipe, wire, wire connectors and controller.
  6. Final payment for system will not be authorized until accurate and complete submittals are delivered to the Landscape Architect.
- B. Instruction Manual:
  1. Provide instruction manual which lists complete instructions for system operation and maintenance.

1.5 PRODUCT STORAGE:
- A. During construction and storage, protect materials from damage and prolonged exposure to sunlight.

1.6 WARRANTY:
- A. Standard one (1) year warranty stipulated in General Conditions shall include:
  1. Completed system including parts and labor.
  2. Filling and repairing depressions and replacing plantings due to settlement of irrigation trenches for one (1) year following final acceptance.
  3. System adjustment to supply proper coverage to areas to receive water.

1.7 MAINTENANCE:
- A. Extra Materials:
  1. In addition to installed system, furnish Owner with the following items at close-out:
     - a. Two sprinkler head bodies of each size and type.
     - b. Two nozzles for each size and type.
     - c. Two adjusting keys for each sprinkler head cover type.

2.0 PRODUCTS:

2.1 PIPE, PIPE FITTINGS, AND CONNECTIONS:
- A. Pipe shall be continuously and permanently marked with Manufacturer's name, size, schedule, type, and working pressure.
- B. Pipe:
  1. Pressure Lines: as indicated on plans.
  2. Lateral Lines: as indicated on plans.
  3. Risers: sch. 80 PVC, gray
- C. Fittings:
  1. Schedule 40 PVC.
- D. Sleeving:
  1. Schedule 40 PVC.

2.2 SPRINKLER HEADS:
- A. Conform to requirements shown on Drawings as to type, radius of throw, pressure, and discharge.

2.3 AUTOMATIC SPRINKLER SYSTEM:
- A. Control valves shall be of size and type indicated on Drawings.
- B. Control wire shall be UL listed, color coded copper conductor direct burial size 14. Use 3M-DBY waterproof wire connectors at splices and locate all splices within valve boxes. Use white or gray color for common wire and other colors for all other wire. Each common wire may serve only one controller.
- C. Add two extra control wires from panel to valves for use if a wire fails and mark them in the control box as an extra wires. These wires shall be of a different color than the others.

2.4 VALVES:
- A. Electric Valves:
  1. Make and model shown on Drawings.
- B. Gate valves:
  1. Bronze construction, angle type, 150 pound class, threaded connections, with cross-type operating handle designed to receive operating key.
- C. Automatic Controller:
  1. Make and model shown on Drawings.
- D. Backflow Preventor:
  1. Make and model shown on Drawings.

2.5 VALVE ACCESSORIES:
- A. Valve Boxes:
  1. Ametek or Brooks rectangular heavy duty valve box with locking lid or Landscape Architect approved equal.
  2. Do not install more than one (1) valve in a single box.
  3. Valve boxes shall be large enough for easy removal or maintenance of valves.

3.0 EXECUTION:

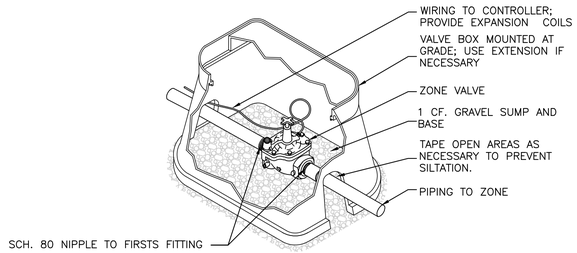
3.1 PREPARATION:
- A. Protection:
  1. Work of others damaged by this Section during course of its work shall be replaced or repaired by original installer at this Section's expense.

3.2 INSTALLATION:
- A. Trenching and Backfilling:
  1. Over-excavate trenches by two (2") inches and bring back to indicated depth by filling with fine, rock-free soil or sand.
  2. Cover pipe both top and sides with two (2") inches of material specified in paragraph above. In no case shall there be less than two (2") inches of rock-free soil or sand surrounding pipe.
- B. Installation of Plastic Pipe:
  1. Install plastic pipe in a manner to provide for expansion and contraction as recommended by Manufacturer.
  2. Unless otherwise indicated on Drawings, install main lines with a minimum cover of eighteen (18") inches based on finish grade. Install lateral lines with a minimum cover of twelve (12") inches based on finish grade.
  3. Install pipe and wires under driveways or parking areas in specified sleeves a minimum of twenty-four (24") inches below finish grade or as shown on Drawings.
  4. Locate no sprinkler head closer than twelve (12") inches from building foundation. Heads immediately adjacent to mowing strips, walks or curbs shall be one (1") inch below top of mowing strip, walk or curb and have a minimum of one (12") inch clearance between head and walk or curb.
  5. Drawings show arrangement of piping. Should local conditions necessitate rearrangement, obtain approval of Landscape Architect prior to proceeding with work.
  6. Cut plastic pipe square. Remove burrs at cut ends prior to installation so unobstructed flow will result.
  7. Make solvent weld joints in the following manner:
     - a. Clean mating pipe and fitting with clean, dry cloth and apply one (1) coat of P-70 primer to each.
     - b. Apply uniform coat of 711 solvent to outside of pipe.
     - c. Apply solvent to fitting in similar manner.
     - d. Reapply a light coat of solvent to pipe and quickly insert into fitting.
     - e. Give pipe or fitting a quarter turn to insure even distribution of solvent and make sure pipe is inserted to full depth of fitting socket.
     - f. Hold in position for fifteen (15) seconds minimum or long enough to secure joint.
     - g. Wipe off solvent appearing on outer shoulder of fitting.
     - h. Do not use an excessive amount of solvent thereby causing an obstruction to form on the inside of pipe.
     - i. Allow joints to set at least 24 hours before applying pressure to PVC pipe.
  8. Tape threaded connection with teflon tape.
  9. Install concrete thrust blocks wherever change of direction occurs a PVC main pressure lines unless otherwise detailed on Drawings.
- C. Control Valves and Controller:
  1. Install controller, control wires, and valves in accordance with Manufacturer's recommendations and according to applicable electrical code.
  2. Install valves in plastic boxes with reinforced heavy duty plastic covers. Locate valve box tops at finish grade.
  3. Install remote control valves in valve boxes positioned over valve so all parts of valve can be reached for service. Set cover of valve box even with finish grade.
  4. Install all valve boxes over nine (9") inches of gravel for drainage.
- D. Sprinkler Heads:
  1. Prior to the installation of sprinkler heads, open control valves and use full head of water to flush out system.
  2. Set sprinkler heads perpendicular to finish grade.
  3. Set lawn sprinkler heads adjacent to existing walks, curbs, and other paved areas to grade.
- E. Dripline:
  1. Install 6" pop up spray and closed nozzle by drip zone control valves to be used as zone operation indicator.
  2. Stake dripline every eight feet with 6" sod staple.

3.3 ADJUSTMENT AND CLEANING:
- A. Adjust heads to proper grade when turf is sufficiently established to allow walking on it without appreciable harm. Such lowering or raising of of heads shall be part of the original contract with no additional charge to the Owner.
- B. Adjust sprinkler heads for proper distribution and trim to ensure spray does not fall on building.
- C. Adjust watering time of valves to provide proper amounts of water to all plants.

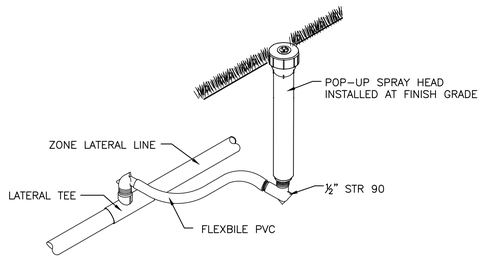
3.4 DEMONSTRATION:
- A. After system is installed and approved, instruct Owners Representative in complete operation and maintenance.

END OF SECTION

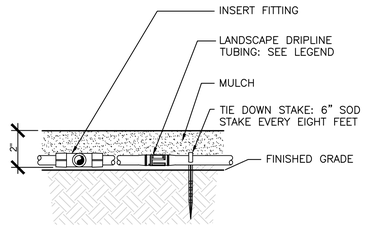


INSTALL TOP OF VALVE A MAXIMUM OF 15" FROM FINISHED GRADE.

1 ZONE VALVE INSTALLATION DETAIL
SCALE: N.T.S.

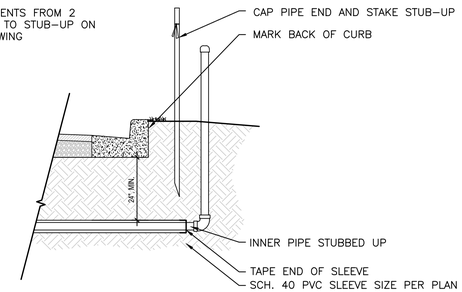


2 SPRAY HEAD INSTALLATION DETAIL
SCALE: N.T.S.



3 DRIPLINE INSTALLATION DETAIL
SCALE: N.T.S.

PROVIDE MEASUREMENTS FROM 2 REFERENCE POINTS TO STUB-UP ON THE AS-BUILT DRAWING



4 SLEEVING ROUGH-IN DETAIL
SCALE: N.T.S.

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DRAWN BY:	CMT
REVIEWED BY:	CEM

CHW PROJECT NUMBER
16-0111

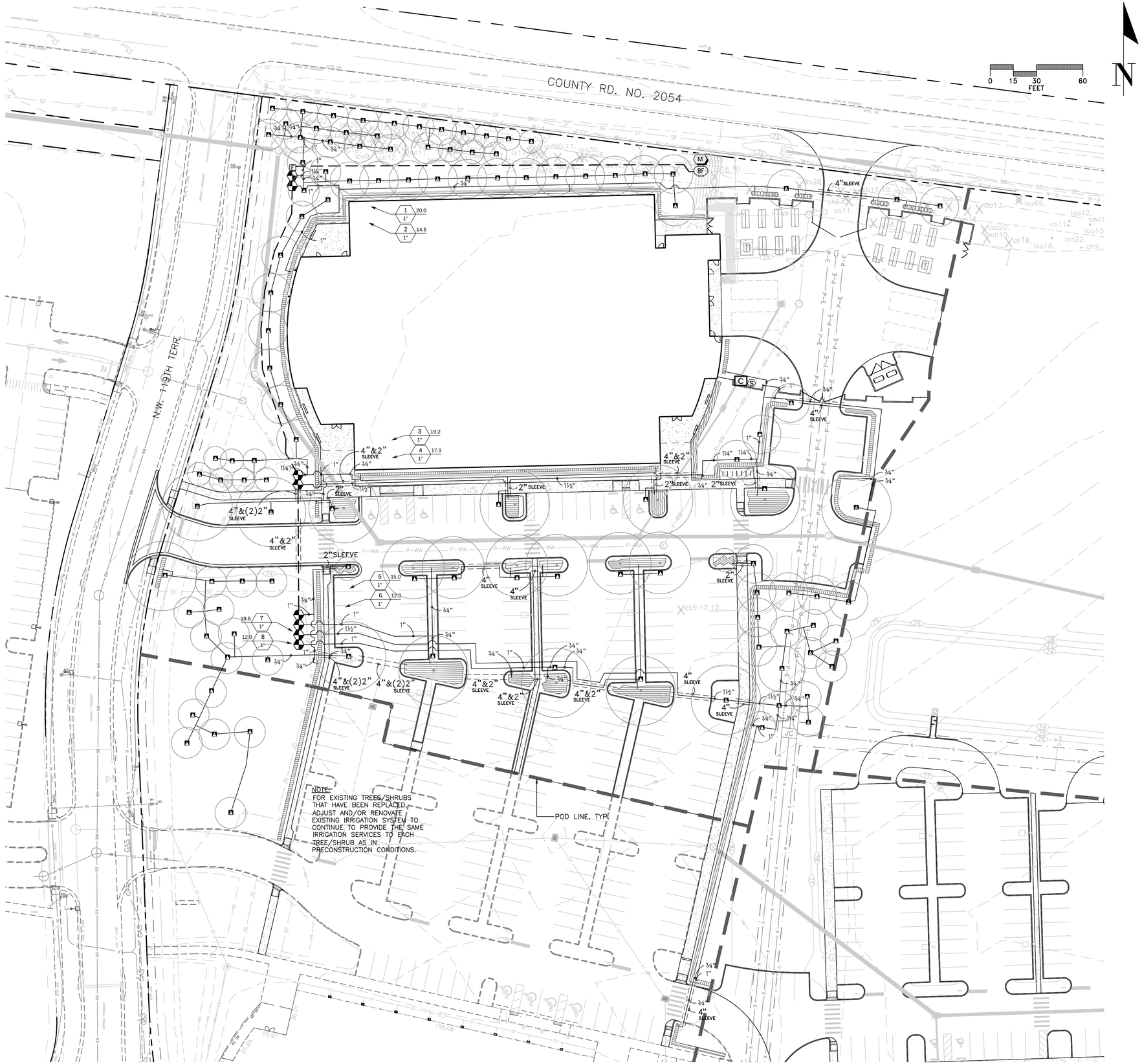
IRRIGATION DETAILS & SPECIFICATIONS - POD B

SHEET NUMBER

L-303

CITY SUBMITTAL

Tech: csmit Plot Date: Oct 19,2016 1:07pm Filename: L:\2016\16-0111\Design\05_Production\02_SPR\03_Current\01_Sheets\2016-10-17_Irrigation\2016-10-17_FoundationPark_IR-POD B.dwg



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DRAWN BY:	CMT
REVIEWED BY:	CEM

CHW PROJECT NUMBER
16-0111

IRRIGATION PLAN - POD B

SHEET NUMBER

L-304

CITY SUBMITTAL

Tech: cswill Plot Date: Oct 19,2016 1:03pm Filename: L:\2016\16-0111\Design\03_Production\02_SPK\03_Current\01_Sheets\2016-10-17_Irrigation\2016-10-17_FoundationPark_IR-POD B.dwg

REQUIRED TREE MITIGATION

REGULATED TREE MITIGATION

REGULATED TREES REMOVED..... 16 TREES

TREES REQUIRED FOR MITIGATION (AT 1:1 REPLACEMENT)..... 16 TREES

HERITAGE TREE MITIGATION

HERITAGE TREES REMOVED..... 1 TREES

INCHES REQUIRED FOR MITIGATION (AT INCH-FOR-INCH REPLACEMENT)..... 27"

REPLACEMENT TREES REQUIRED..... 18 TREES

TOTAL TREE MITIGATION PAYMENT

TOTAL REPLACEMENT TREES REQUIRED..... 34 TREES
TOTAL REPLACEMENT TREES PROPOSED..... 14 TREES
TOTAL MITIGATION DEFICIT..... 20 TREES
ESTIMATED COST PER TREE*..... $99.58

TOTAL MITIGATION PAYMENT REQUIRED..... $1,991.60

*ESTIMATED COST OF REPLACEMENT TREE, SEE ATTACHED "TREE MITIGATION MEMO."

NOTE:
A MITIGATION PAYMENT SHALL BE PROVIDED IN LIEU OF ON-SITE REPLACEMENT TREES. FEES FOR TREE MITIGATION SHALL BE PAID TO THE CITY PRIOR TO THE ISSUANCE OF ANY BUILDING PERMIT FOR NEW CONSTRUCTION WITH AN APPROVED SITE PLAN.

LEGEND

NEW TREES TO BE ADDED

EXISTING TREES TO REMAIN

GENERAL NOTES

ALL ASPHALT, LIMEROCK, AND CONSTRUCTION DEBRIS TO BE REMOVED FROM PLANTING BEDS AND AREAS TO BE SODDED PRIOR TO LANDSCAPE INSTALLATION. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3'. IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) SANDY LOAM WITH pH 5.5-6.5.

CANOPY TREES SHALL BE A MINIMUM OF EIGHT (8) FEET IN HEIGHT AND ORNAMENTAL OR UNDERSTORY TREES SHALL HAVE A MINIMUM CALIPER OF ONE AND A HALF (1.5) INCHES, UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT.

ALL TREES TO BE PLANTED 1"-2" ABOVE FINISHED GRADE.

ALL LANDSCAPED AREAS TO BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK MULCH SHALL BE USED IN ALL AREAS.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES WILL NOT BE TOPPED OR PRUNED. TREES TO BE STAKED AS NEEDED, GUYLINES TO BE NON-SYNTHETIC BIODEGRADABLE MATERIAL.

OWNER SHALL BE RESPONSIBLE FOR (1) THE SURVIVAL OF THE LANDSCAPING ELEMENTS AND (2) REMOVAL OF ALL STAKING SYSTEMS WITHIN ONE YEAR. TREES WILL BE STAKED ONLY IF NECESSARY, AND IF STAKED, BIODEGRADABLE TWINE WILL BE USED.

GRASSING

ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH NOXIOUS WEED AND TROPICAL SODA APPLE FREE SOD OR SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

PLANT MATERIAL

ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PUBLISHED BY THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.

TREE MITIGATION

TREE MITIGATION FOR THE REGULATED TREES TO BE REMOVED SHALL BE PROVIDED ON A 1 FOR 1 BASIS. TREE MITIGATION FOR HERITAGE TREES TO BE REMOVED SHALL BE PROVIDED ON AN INCH-FOR-INCH BASIS.

10% OPEN SPACE REQUIREMENT

CITY OF ALACHUA LDR SECTION 6.7.3 (A) STATES THAT THE MINIMUM OPEN SPACE SET-ASIDE SHALL BE 10% OF THE DEVELOPMENT SITE. THIS REQUIREMENT IS MET BY THE CALCULATIONS FOR 30% LANDSCAPE, SHOWN BELOW, WHICH INCLUDE LANDSCAPED BUFFERS AND OTHER LANDSCAPED AREAS.

IRRIGATION

LANDSCAPE IRRIGATION TO BE PROVIDED BY AUTOMATIC IRRIGATION SYSTEM IN ACCORDANCE WITH CITY OF ALACHUA LDR SECTION 6.2.2(D)(6)(B)(VI). SEE SHEETS L-403 THROUGH L-404 FOR POD C IRRIGATION PLANS.

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE
FA	4	FRAXINUS AMERICANA	WHITE ASH	8' HEIGHT, MIN.	CANOPY
FG	4	FRAXINUS PENNSYLVANICA	GREEN ASH	8' HEIGHT, MIN.	CANOPY
LIM	6	LAGERSTROEMIA INDICA 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	1 ½" CALIPER MIN.	UNDERSTORY
LT	12	LIRIODENDRON TULIPIFERA	TULIP TREE	8' HEIGHT, MIN.	CANOPY
MGB	5	MAGNOLIA GRANDIFLORA 'BRACKEN'S BROWN BEAUTY'	BRACKEN'S BROWN BEAUTY MAGNOLIA	8' HEIGHT, MIN.	CANOPY
QA	1	QUERCUS AUSTRINA	BLUFF OAK	8' HEIGHT, MIN.	CANOPY
QS	3	QUERCUS SHUMARDII	SHUMARD OAK	8' HEIGHT, MIN.	CANOPY
QVC	13	QUERCUS VIRGINIANA 'CATHEDRAL'	CATHEDRAL LIVE OAK	8' HEIGHT, MIN.	CANOPY
TD	14	TAXODIUM DISTICHUM	BALD CYPRESS	8' HEIGHT, MIN.	CANOPY
UA	6	ULMUS ALATA	WINGED ELM	8' HEIGHT, MIN.	CANOPY
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	
BX	230	BUXUS MICROPHYLLA	BOXWOOD	24" HEIGHT, MIN.	
IDB	320	ILEX CORNUTA 'DWARF BURFORDII'	DWARF BURFORD HOLLY	24" HEIGHT, MIN.	
RI	116	RHAPHIOLEPIS INDICA 'ELEANOR TABOR'	ELEANOR TABOR INDIAN HAWTHORN	24" HEIGHT, MIN.	
VO	11	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	24" HEIGHT, MIN.	
VOS	73	VIBURNUM OBOVATUM 'MRS. SCHILLER'S DELIGHT'	MRS. SCHILLER'S DELIGHT VIBURNUM	24" HEIGHT, MIN.	
SOD/SEED		**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD	

NOTE:
CALCULATIONS ON THIS SHEET INCLUDE EXISTING PHASE 1 PLANTINGS, POD A PLANTINGS, POD B PLANTINGS, AND PROPOSED POD C PLANTINGS. THE ENTIRE SITE AREA IS 14.50 ACRES AND INCLUDES PHASE 1, POD A, POD B, AND POD C. POD CALCULATIONS BUILD ON EACH OTHER AS PODS ARE CONSTRUCTED. SEE SHEET L-200 FOR POD A CALCULATIONS AND SEE SHEET L-300 FOR POD B CALCULATIONS.

ARTERIAL FRONTAGE BUFFER [Sec. 6.2.3(E)]

FULL LENGTH OF SOUTHERN PROPERTY BOUNDARY ALONG U.S. HWY. 441

DESCRIPTION	LANDSCAPE REQUIREMENTS	LANDSCAPE PROVIDED
U.S. HWY. 441 (873 LIN. FT.)	5 CANOPY TREES PER 100 LIN. FT. REQUIRED = 44 CANOPY TREES REQUIRED 3 UNDERSTORY TREES PER 100 LIN. FT. REQUIRED = 26 UNDERSTORY TREES REQUIRED CONTINUOUS HEDGE REQUIRED	44 CANOPY TREES PROVIDED 26 UNDERSTORY TREES PROVIDED CONTINUOUS HEDGE PROVIDED

PARKING AREA LANDSCAPE REQUIREMENTS [Sec. 6.2.2(D)(2)(a) & (b)]

EXISTING PARKING IN POD 1, POD 2A, POD 2B, AND PROPOSED POD 2C PARKING AREA

DESCRIPTION	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
PARKING AREA PERIMETER LANDSCAPE	PARKING PERIMETER = 2,468 L.F. 4 CANOPY TREES PER 100 L.F. 2 UNDERSTORY/ORNAMENTAL PER 100 L.F. CONTINUOUS ROW OF SHRUBS 99 CANOPY TREES REQUIRED 50 UNDERSTORY TREES REQUIRED CONTINUOUS ROW OF SHRUBS	99 CANOPY TREES PROVIDED 50 UNDERSTORY TREES PROVIDED CONTINUOUS ROW OF SHRUBS PROVIDED
INTERIOR PARKING AREA LANDSCAPE	PARKING AREA = 152,020 S.F. 1 CANOPY TREE REQUIRED PER 2,000 S.F. 10 SHRUBS REQUIRED PER CANOPY TREE REQUIRED 76 CANOPY TREES REQUIRED 760 SHRUBS REQUIRED	76 CANOPY TREES PROVIDED 760 SHRUBS PROVIDED

PERIMETER BUFFER LANDSCAPE REQUIREMENTS [Section 6.2.2(D)(3)]

FULL LENGTH OF SITE, FROM U.S. HWY. 441 TO C.R. 2054

LOCATION	BUFFER LENGTH & TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
EASTERN PERIMETER	769 L.F. BUFFER TYPE 'C'	OPTION 1 1 CANOPY TREE / 30 LIN. FT. + EVERGREEN HEDGE	26 PROPOSED CANOPY TREES CONTINUOUS EVERGREEN HEDGE
WESTERN PERIMETER	793 L.F. BUFFER TYPE 'C'	OPTION 1 1 CANOPY TREE / 30 LIN. FT. + EVERGREEN HEDGE	27 PROPOSED CANOPY TREES CONTINUOUS EVERGREEN HEDGE

SITE LANDSCAPE CALCULATIONS [Sec. 6.2.2(D)(1)(c)]

ENTIRE SITE EXCEPT FOR PRIMARY SIDE CANOPY TREES AND SITE UNDERSTORY TREES FOR THE FRONT, WHICH ARE CALCULATED UTILIZING COMBINED ACREAGE FOR PODS B & C

DESCRIPTION	TREE REQUIREMENTS	TREES PROVIDED
PRIMARY SIDE CANOPY TREES (NORTH SIDE)	3 TREES PER ACRE X 6.85 ACRES = 21 CANOPY TREES REQUIRED	21 CANOPY TREES PROVIDED
REAR SIDE CANOPY TREES (SOUTH SIDE)	2 TREES PER ACRE X 14.5 ACRES = 29 TREES REQUIRED	29 CANOPY TREES PROVIDED
EAST SIDE CANOPY TREES	2 TREES PER ACRE X 14.5 ACRES = 29 TREES REQUIRED	29 CANOPY TREES PROVIDED
WEST SIDE CANOPY TREES	2 TREES PER ACRE X 14.5 ACRES = 29 TREES REQUIRED	29 CANOPY TREES PROVIDED
SITE UNDERSTORY TREES	6 UNDERSTORY TREES PER ACRE X 6.85 ACRES (POD B + POD C) X 50% IN FRONT = 21 TREES REQUIRED 6 UNDERSTORY TREES PER ACRE X 14.5 ACRES (ENTIRE SITE) X 25% ON EAST SIDE = 22 TREES REQUIRED 6 UNDERSTORY TREES PER ACRE X 14.5 ACRES (ENTIRE SITE) X 25% ON WEST SIDE = 22 TREES REQUIRED	FRONT SIDE 21 UNDERSTORY TREES PROVIDED EAST SIDE 22 UNDERSTORY TREES PROVIDED WEST SIDE 22 UNDERSTORY TREES PROVIDED
BUILDING FACADE (POD C)	349 LINEAR FEET 4 CANOPY TREES PER 100 LIN. FT. REQUIRED = 14 CANOPY TREES REQUIRED + ROW OF SHRUBS	14 CANOPY TREES PROVIDED ROW OF SHRUBS PROVIDED

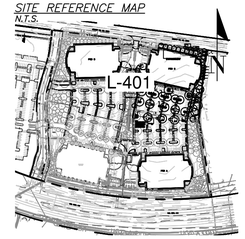
30% LANDSCAPED AREA REQUIREMENT

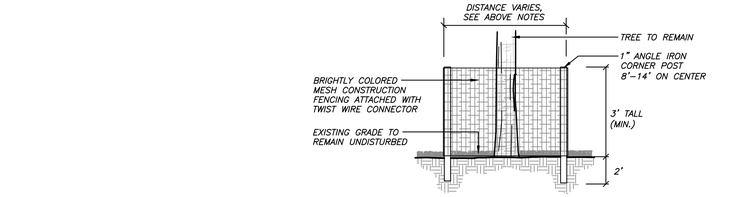
Per City of Alachua Comprehensive Plan Future Land Use Element, Objective 2.4, Policy 2.4.a
ENTIRE SITE

TOTAL SITE AREA..... 633,271 S.F.
TOTAL PROPOSED LANDSCAPED AREA..... 403,424 S.F.
LANDSCAPED AREA % OF TOTAL SITE AREA..... 63.7%
(MIN. 30%)

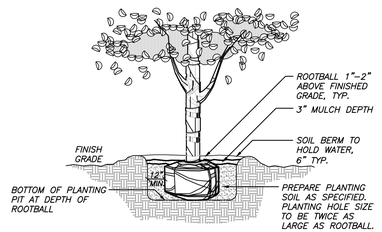
KNOW WHAT'S BELOW
ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
Call 811 two business days before digging

SITE REFERENCE MAP
N.T.S.

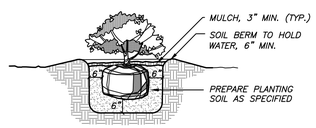




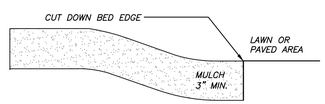
1 TREE PROTECTION DETAIL
SCALE: N.T.S.



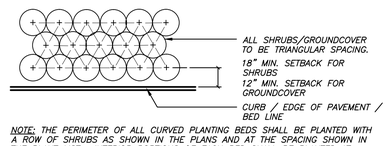
2 TREE PLANTING DETAIL
SCALE: N.T.S.



3 SHRUB PLANTING DETAIL
N.T.S.



4 MULCH DETAIL
N.T.S.



NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

5 PLANT SPACING DETAIL
N.T.S.

RS&H
RS&H, Inc.
10748 Deerwood Park Blvd. South
Jacksonville, Florida 32256-0597
904-256-2500 Fax 904-256-2503
www.rsandh.com
FL Cert. Nos. AAC001886 * IB26000956 *
5620 * LCC000210 * GB238

CONCEPT CONSTRUCTION

FOUNDATIONPARK
A Bioscience & Innovation Center

14193 NW 119TH TERRACE
ALACHUA, FL 32615

CONSULTANTS

CHW
Professional Consultants
132 NW 76th Drive
Gainesville, Florida 32607
(352) 331-1976 / (352) 331-2476
www.chw-inc.com
est. 1988 FLORIDA CA-5075

REVISIONS

NO.	DESCRIPTION	DATE
	CITY OF ALACHUA REVIEW	09/27/16
	CITY OF ALACHUA REVIEW	10/10/16
	CITY OF ALACHUA REVIEW	10/17/16

DATE ISSUED: 06/30/16
SCALE: N/A
DRAWN BY: CMT
REVIEWED BY: CEM

CHW PROJECT NUMBER
16-0111

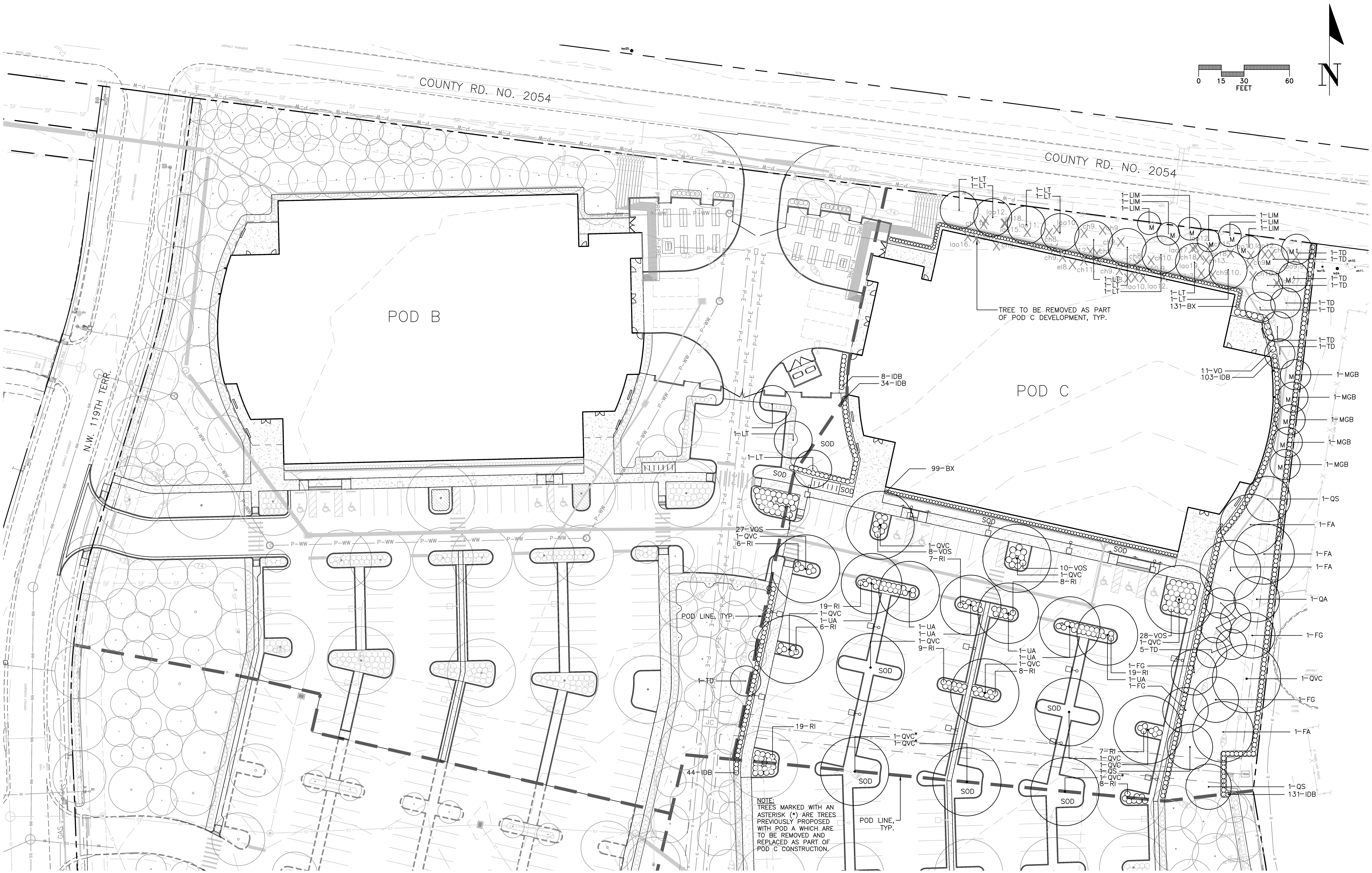
LANDSCAPE NOTES, DETAILS, & CALCULATIONS - POD C

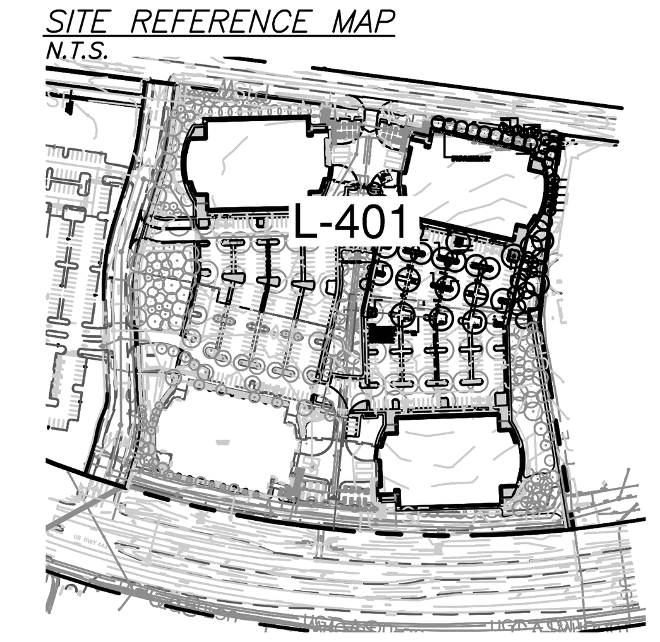
SHEET NUMBER

L-400

CITY SUBMITTAL

Tech: cselli Plot Date: Oct 15,2016 1:24pm Filename: C:\Users\Cselli\appdata\local\temp\AcPublish_8572\16-0111_design_base-POD C.dwg





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	CITY OF ALACHUA REVIEW	10/17/16

DATE ISSUED:	06/30/16
SCALE:	1" = 30'-0"
DRAWN BY:	CMT
REVIEWED BY:	CEM

CHW PROJECT NUMBER
16-0111

LANDSCAPE PLAN
- POD C

SHEET NUMBER
L-401

CITY
SUBMITTAL