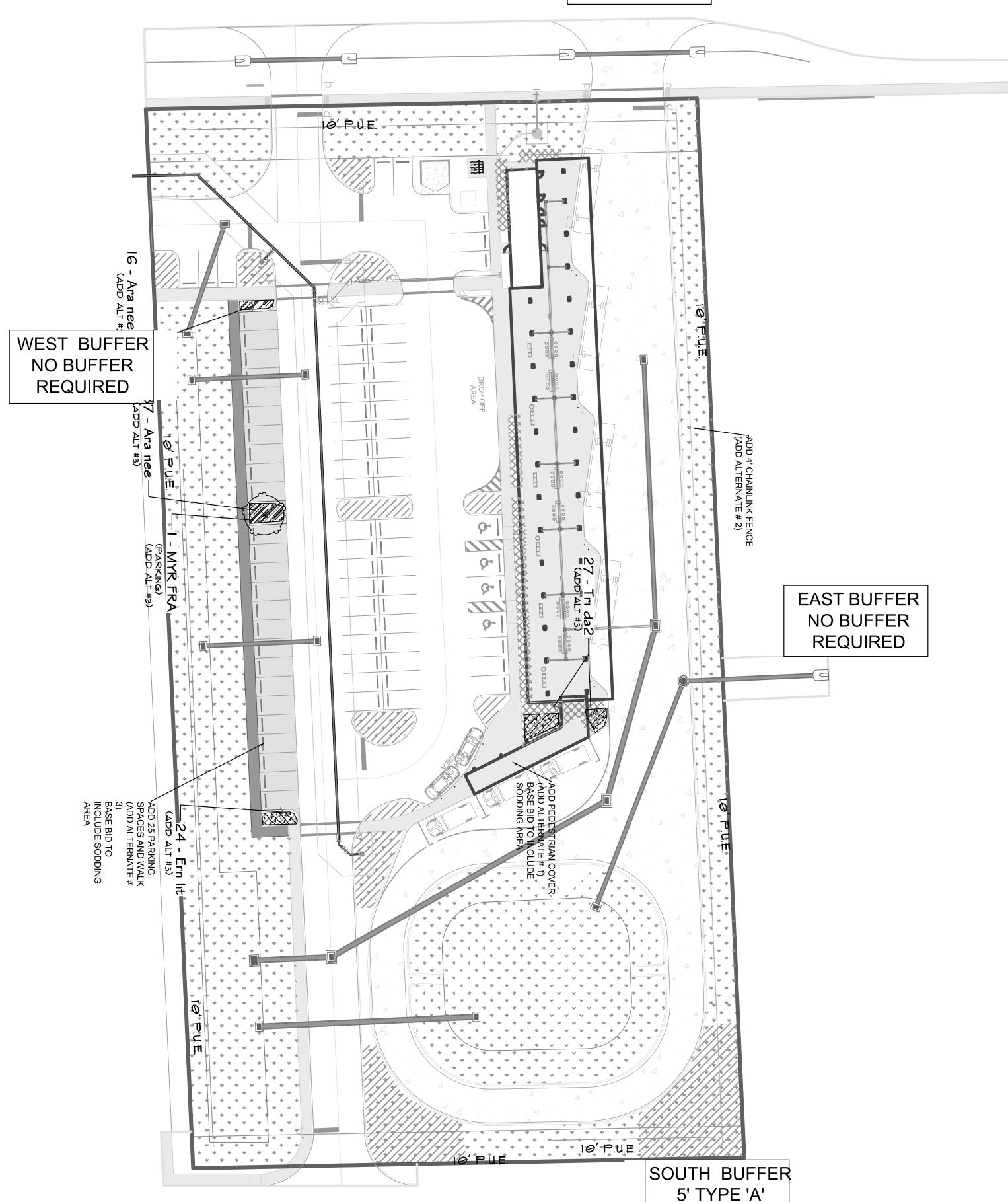
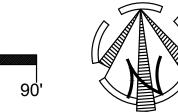
NORTH BUFFER 15' TYPE 'D'



LANDSCAPE CALCULATIONS

O' 15' 30'



SITE DEVELOPMENT DATA

TOTAL SITE = 3.0 AC. (130,706 S.F)

OPEN SPACE REQUIREMENTS 30% OPEN SPACE REQUIRED $130,706 \times 30\% = \times 39,211 \text{ SF}$ REQUIRED. OPEN SPACE 44,430 SF PROVIDED IN

OPEN SPACE PER HATCHING

INDIGENOUS OPEN SPACE REQUIREMENTS NOT APPLICABLE

HERITAGE TREES TO BE DETERMINED

INTERNAL PARKING

GENERAL TREE REQUIREMENTS TREE PER 3,500 SF OF SITE 130,706 /3,500 =31 TREES REQUIRED AND 40 PROVIDED

LANDSCAPE REQUIREMENTS INTERNAL LANDSCAPE AREAS OF 10% OF THE PARKING AREA IS REQUIRED. SITE V.U.A. 66,100 SF (INCLUDES ADD ALT. #3) X 10% = 6,610 SF MINIMUM REQUIRED AND 6,850 SF PROVIDED, PER HATCHING MIN. 1 TREE PER 250 SF. 6,610/250 = 27 TREES REQUIRED AND 31 PROVIDED. NO MORE THAN 10% OF

BUILDING PERIMETER PLANTING REQUIREMENTS 750 SF. BLDG × 10% = 75 SF OF BUILDING PERIMETER PLANTING REQUIRED AND 610 SF PROVIDED PER HATCHING.

PLANTING AREA TO BE IN

DUE TO THE USE OF THE BUILDING, THE BUILDING PERIMETER PLANTINGS HAVE BEEN PROVIDED IN AREA OF THE SITE WHERE THEY WON'T CONFLICT WITH OPERATIONS AND USE.

GENERAL LANDSCAPE NOTES

BUFFER REQUIREMENTS:

PER Z-20-031

NORTH BUFFER

COM TO R.O.W.

REQUIRED,

PER 100 LF

PROVIDED.

EXISTING.

SOUTH BUFFER

5' TYPE 'A' BUFFER

REQUIRED AND 9

COM TO REC.

REQUIRED,

100 L.F.

PROVIDED.

EAST BUFFER

WEST BUFFER

COM TO REC.

COM TO PUBLIC

15' TYPE 'D' BUFFER

REQUIRED AND 10

6 TREES AND60 SHRUBS

165/100 X60= 99 SHRUBS

THROUGH PROPOSED AND

4 TREES \$ 12 SHRUBS PER

220 LF. 100 × 4 = 9 TREES

REQUIRED AND PROVIDED

 $220 / 3 \times 12 = 27 \text{ SHRUBS}$

NO BUFFER REQUIRED

NO BUFFER REQUIRED

PLANTINGS PROVIDED

STANDARDS FOR FLORIDA GRADE NO.1 (or better), AS GOVERNED IN "GRADES AND STANDARDS FOR NURSERY PLANTS".

2. ALL PLANTED TREES AND PALMS WILL HAVE A 3" DEEP SAUCER CONSTRUCTED FROM THE TRUNK OF THE TREE

ALL PLANTING BEDS SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF MULCH AND SHALL BE WEED FREE. MULCH SHALL BE GRADE B OR BETTER. CONTRACTOR SHALL REMOVE ANY VEGETATIVE GROWTH AND APPLY A PRE-EMERGENT WEED KILLER PER SPECIFICATIONS PRIOR TO MULCHING.

165 LF. 100 × 6 = 10 TREES EASEMENTS. ABOVE CODE PLANTINGS SHALL BE REPLACED AT THE OPTION AND COST OF DEVELOPER SHOULD FUTURE UTILITY WORK REQUIRE REMOVAL.

ANY AND ALL EXOTIC VEGETATION INCLUDING: EARLEAF REQUIRED AND PROVIDED 5. ACACIA, WOMAN'S TONGUE, BISHOPWOOD, AUSTRAILIAN PINE, CARROTWOOD, ROSEWOOD, AIR POTATO, MURRAY RED GUM, WEEPING FIG, CUBAN LAUREL FIG, JAPANESE CLIMBING FERN, OLD WORD CLIMBING FERN, MELALEUCA DOWNY ROSE MYRTLE, CHINESE TALLOW, BRAZILLIAN PEPPER, FLORIDA HOLLY, TROPICAL SODA APPLE, JAVA PLUM, ROSE APPLE, CORK TREE AND WEDELIA, ON THE PROPERTY SHALL BE COMPLETELY REMOVED AND DISPOSED OF OFF SITE BY THE CONTRACTOR. THE SITE SHALL BE MAINTAINED FREE OF INVASIVE EXOTIC VEGETATION IN PERPETUITY.MTEXT

> THE HEIGHT OF ALL TREES, PALMS, AND SHRUBS LOCATED WITHIN THE BUFFER AREAS MUST BE MEASURED FROM THE PARKING LOT GRADE OF THE PROJECT SITE. ALL OTHER PLANTS ARE MEASURED FROM THE FINAL GRADE IN WHICH THEY RESIDE, TREE AND SHRUB HEIGHTS MAY NOT BE LESS THAN THE MINIMUM REQUIREMENTS SET FORTH IN LEE COUNTY LDC SECTION 10-420(C) AND 10-420(D). TREE CALIPER SHALL BE MEASURED ACCORDING TO THE Florida Grades and Standards for Nursery Stock, AS PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

A MINIMUM OF 100% OF THE CODE BUFFER TREES AND

THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE START OF LANDSCAPE INSTALLATION.

CONTRACTOR TO FINE GRADE ALL PLANTING AND SODDING AREAS PRIOR TO PLANT OR SOD INSTALLATION CONTRACTOR SHALL OBTAIN OWNER APPROVAL OF FINAL

TAKEOFFS. PLANT LIST IS PROVIDED FOR REFERENCE

12. CONTRACTOR SHALL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE UNTIL FINAL ACCEPTANCE AND IN COMPLIANCE WITH SPECIFICATIONS.

13. CONTRACTOR SHALL REMOVE ALL TAGS, TAPE AND SUPPORTS (EXCEPT STAKING GUYS) FROM ALL PLANTINGS PRIOR TO FINAL ACCEPTANCE.

14. ALL AREAS OF THE SITE NOT PLANTED SHALL BE SODDED IN ACCORDANCE WITH PLANS. REFER TO ENGINEERING PLANS FOR ADDITIONAL SPECIFICATIONS.

15. THE REQUIRED PLANTINGS SHALL BE IRRIGATED IN ACCORDANCE WITH LDC REQUIREMENTS. REFER TO CONSTRUCTION DOCUMENTS FOR COMPLETE IRRIGATION PLANS.

16. THE PARKING LOTS SHALL BE SLEEVED FOR IRRIGATION BY THE LANDSCAPE CONTRACTOR. COORDINATE WITH CIVIL ENGINEERING PLANS.

17, ALL BASE ROCK SHALL BE REMOVED FROM LANDSCAPE PARKING ISLANDS.

18. PRIOR TO CERTIFICATE OF COMPLIANCE NO TREES SHALL BE PLANTED WHERE THEY INTERFERE WITH BUILDINGS, WILL REQUIRE FREQUENT PRUNING TO AVOID POWER LINES AT MATURE HEIGHTS IN PERPETUITY UNLESS A WRITTEN STATEMENT IS PROVIDED PER LDC

19. THE CONTRACTOR SHALL PROVIDE (PRESSURE COMPENSATING SCREENS) AS NECESSARY TO REDUCE OR ELIMINATE OVERSPRAY INTO STREETS, WALKS OR

THE QUALITY OF ALL PLANT MATERIAL WILL MEET THE

OR PALM. MINIMUM OF 4' DIAMETER.

NO CODE REQUIRED PLANTINGS SHALL BE INSTALLED IN

SHRUBS SHALL BE OF A NATIVE SPECIES. 75% OF TREES AND 50% OF SHRUBS SHALL BE NATIVE. SHRUBS TO BE MAINTAINED AT A MINIMUM OF 36" IN HEIGHT.

FOR FAMILIARIZING THEMSELVES WITH THE LOCATIONS OF ALL UTILITIES AND ALL SITE CONDITIONS PRIOR TO THE

FERTILIZER SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND VILLAGES OF ESTERO OR LOCAL ORDINANCES

IO. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE

UTILITIES, SITE DRAINAGE, VIEWS, SIGNS, OR WHERE THEY SEC.10-421.A.5.

OTHER AREAS AS DICTATED BY THE OWNER'S AUTHORIZED

DAVID M. JONES, JR AND ASSOCIATES, INC

LANDSCAPE ARCHITECTS

AND PLANNERS 2221 McGregor Blvd. Fort Myers, Florida 33901

FAX (239) 337-4494 **4161 Tamiami Trail**, Bldg 5, Unit Punta Gorda, Florida 33950 PHONE: (941) 639-2450 ∐FAX (941) 639-2438 L.A. LICENSE: LC COOO063

PHONE: (239) 337-5525

PROJECT INFORMATION:

LEHIGH LEE TRAN PARK & RIDE Lehigh Acres, Florida

PREPARED FOR:

-acilities Constructior & Management

..\..\Administration\Submittals\LeeTran Logo.PNG

CONSULTANT:

DESIGN PROFESSIONAL:

RLA NO. 840 DATE:

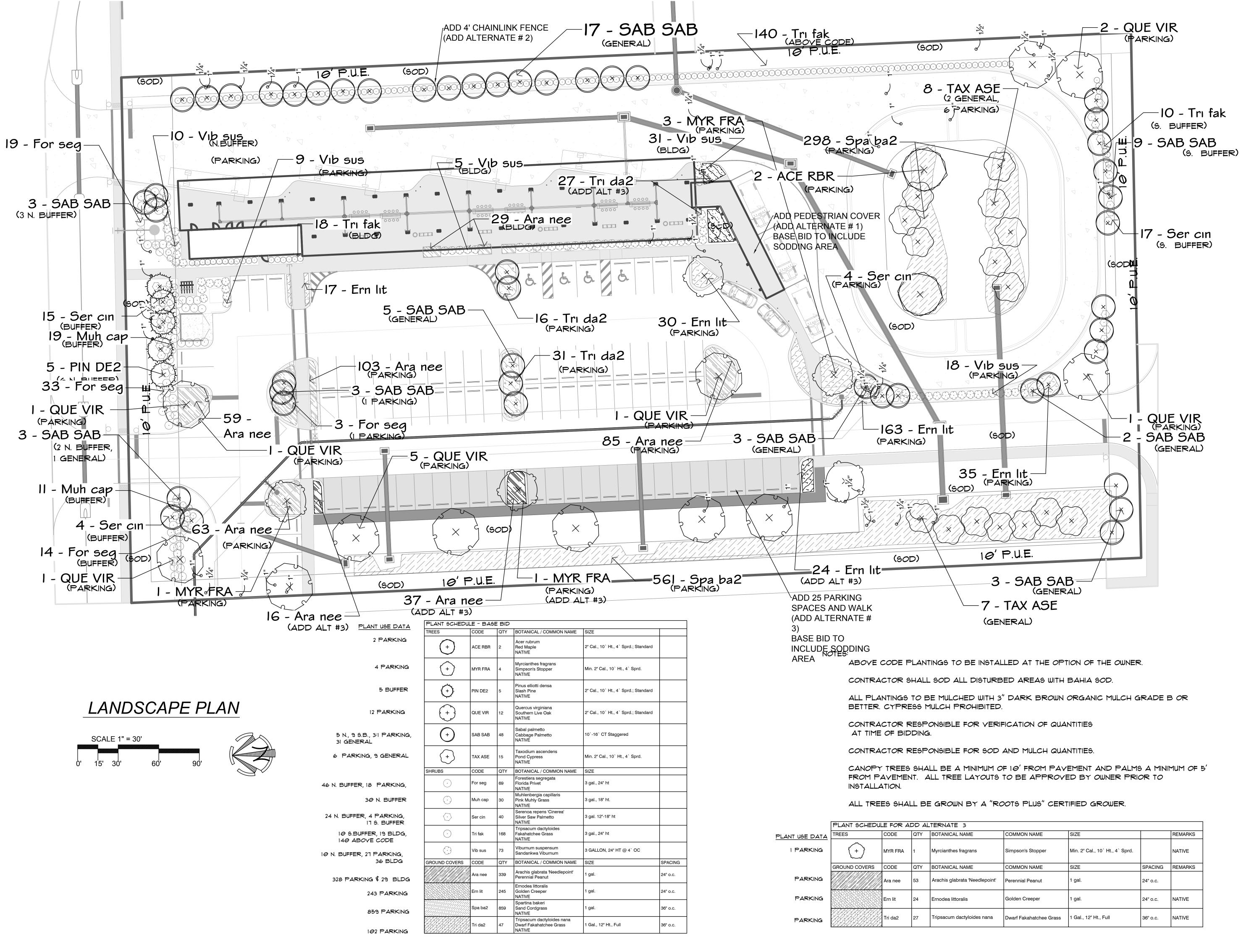
STATE OF FLORIDA

PROJECT NO.	221017
PROJECT MJR:	Greg Diserio
FILE NAME:	LEHIGH PARK RIDE LS
DESIGNER:	GJD
CAD TECH:	
CHECKED BY:	
ISSUED FOR:	

90% CONSTRUCTION DOCUMENTS

ISSUED DATE: JULY 1, 2022 NOV. 18, 2022 RAI RESPONSE DEC. 12, 2022 90% CD'S APRIL 17, 2023 100% CD'S

LANDSCAPE **CALCULATIONS** PLAN



DAVID M. JONES, JR. AND ASSOCIATES, INC

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PROJECT INFORMATION:

LEHIGH LEE TRAN

PARK & RIDE Lehigh Acres, Florida

PREPARED FOR:

Facilities Construction & Management

..\..\Administration\Submittals\LeeTran Logo.PN0

CONSULTANT:

DESIGN PROFESSIONAL:

GREGORY J. DISERIO, RLA RLA NO. 840 DATE:

STATE OF FLORIDA

SSUED FOR:

PROJECT NO. 221017

PROJECT MJR: Greg Diserio

FILE NAME: LEHIGH PARK RIDE LS

DESIGNER: GJD

CAD TECH:

CHECKED BY:

90% CONSTRUCTION DOCUMENTS

ISSUED DATE: JULY 1, 2022

REVISIONS:

ISSUED DATE: JULY 1, 2022

REVISIONS:

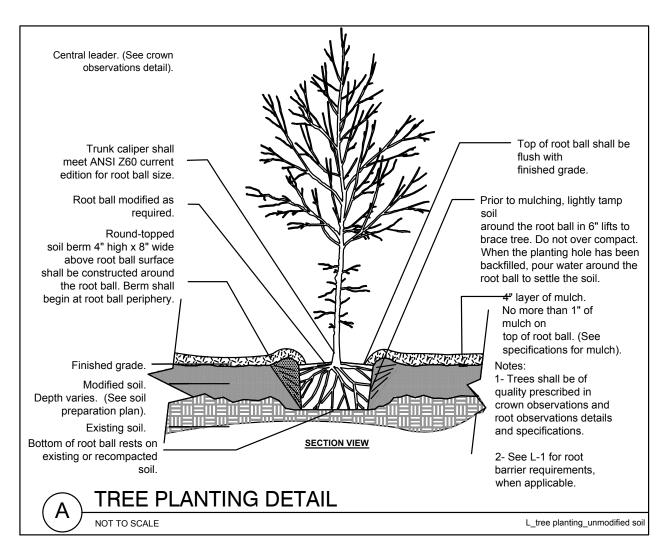
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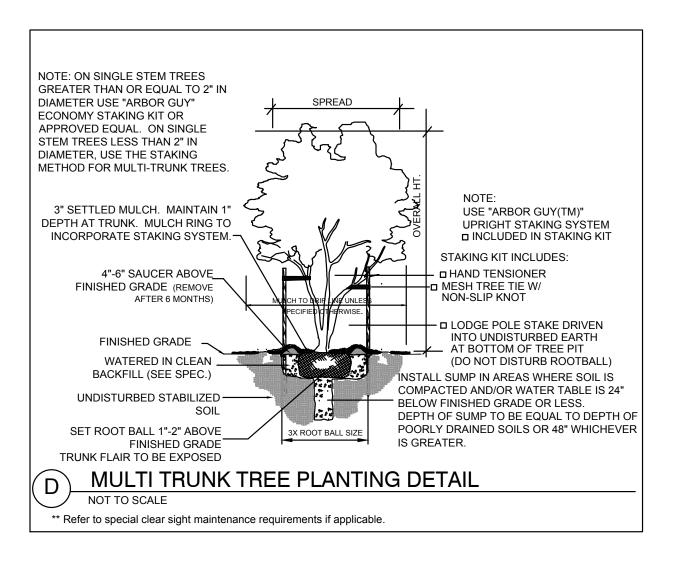
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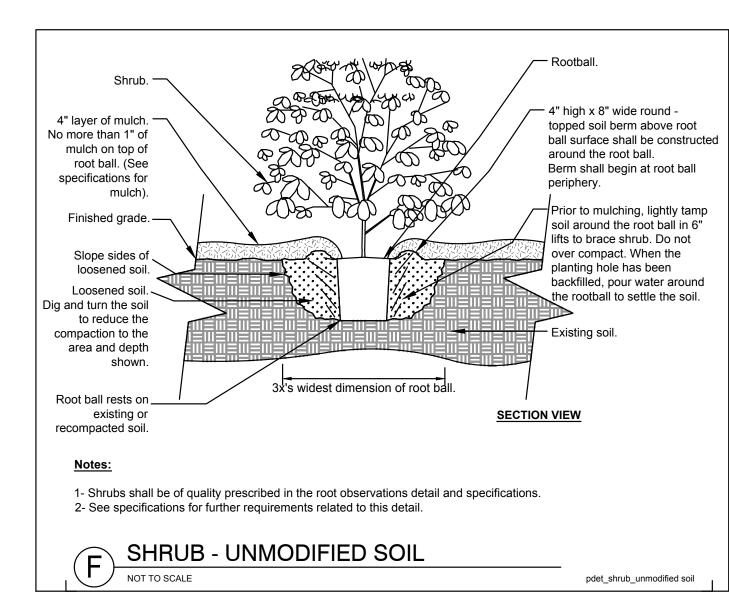
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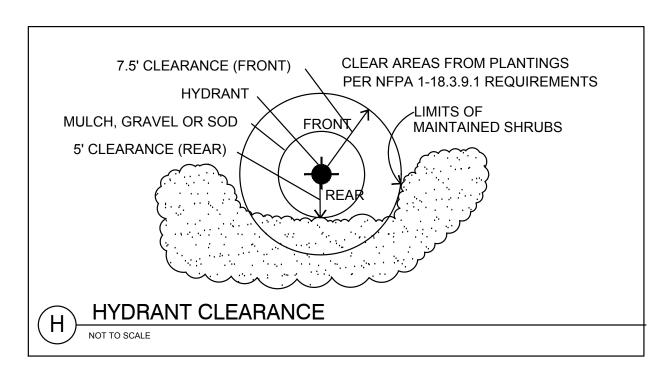
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SCHEMATIC
LANDSCAPE
PLAN

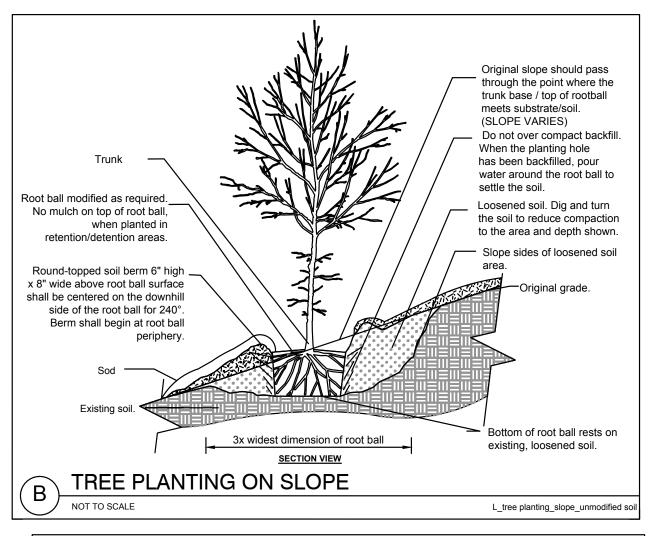
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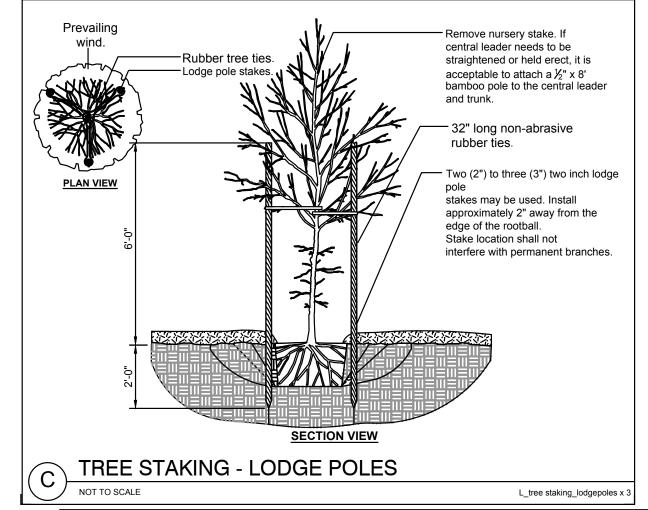


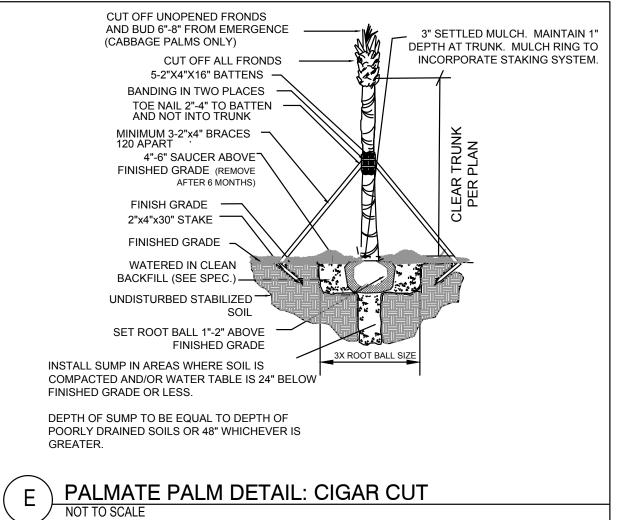


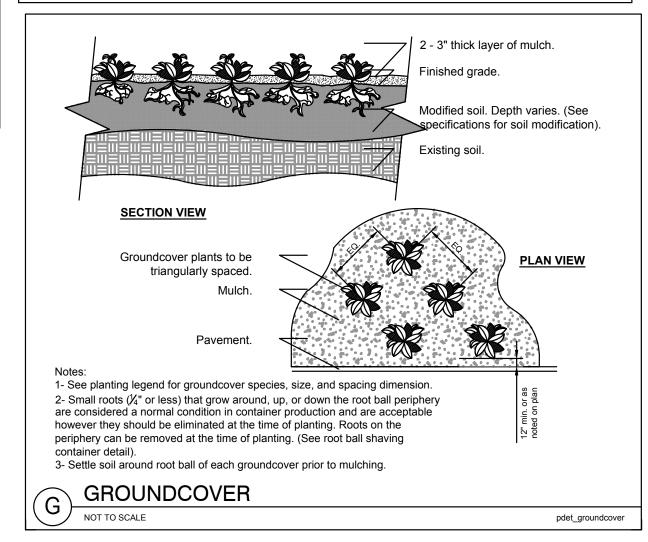












SEC. 10-420. - PLANT MATERIAL STANDARDS.

(A) QUALITY. PLANT MATERIALS USED TO MEET THE REQUIREMENTS OF THIS DIVISION MUST MEET THE STANDARDS FOR FLORIDA NO. 1 OR BETTER, AS SET OUT IN GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II, DEPARTMENT OF AGRICULTURAL, STATE OF FLORIDA (AS AMENDED). ROOT BALL SIZES ON ALL TRANSPLANTED PLANT MATERIALS MUST ALSO MEET STATE STANDARDS.

(B) (NATIVE VARIETIES. AT LEAST 15 PERCENT OF THE TREES AND 50 PERCENT OF THE SHRUBS USED TO FULFILL THESE REQUIREMENTS MUST BE NATIVE FLORIDA SPECIES.

(C) TREES AND PALMS.

(1) CODE-REQUIRED TREES MUST BE A MINIMUM OF TEN FEET IN HEIGHT, HAVE A TWO-INCH CALIPER (AT SIX INCHES ABOVE THE GROUND) AND A FOUR-FOOT SPREAD AT THE TIME OF INSTALLATION. PALMS MUST HAVE A MINIMUM OF TEN FEET OF CLEAR TRUNK AT PLANTING. TREES HAVING AN AVERAGE MATURE SPREAD OR CROWN LESS THAN 20 FEET MAY BE SUBSTITUTED BY GROUPING THE SAME SO AS TO CREATE THE EQUIVALENT OF A 20-FOOT CROWN SPREAD. TREES ADJACENT TO WALKWAYS, BIKE PATHS AND RIGHTS-OF-WAY MUST BE MAINTAINED WITH EIGHT FEET OF CLEAR TRUNK.

(2) LARGER TREES SUBSTITUTED TO REDUCE THE MINIMUM NUMBER OF GENERAL TREES (PALMS EXCLUDED) MUST BE NO LESS THAN FOUR INCHES IN DIAMETER AT SIX INCHES ABOVE THE GROUND AND NO LESS THAN 16 FEET IN HEIGHT AT THE TIME OF PLANTING. THE GENERAL TREE REQUIREMENT CANNOT BE REDUCED IN NUMBER BY MORE THAN 50 PERCENT.

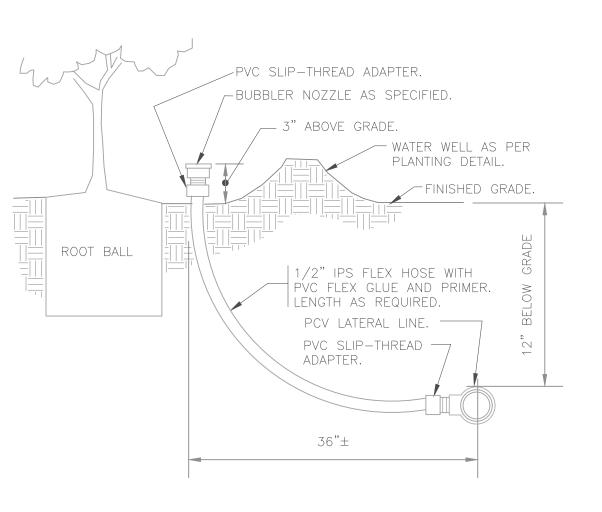
- (D) SHRUBS AND HEDGES. SHRUBS MUST BE A MINIMUM OF 24 INCHES (48 INCHES FOR TYPE F BUFFERS) IN HEIGHT, AT TIME OF PLANTING. SAW PALMETTOS (SERENOA REPENS) AND COONTIES (ZAMIA FLORIDANA) MAY BE USED AS SHRUBS, PROVIDED THEY ARE 12 INCHES IN HEIGHT AT TIME OF PLANTING. ALL SHRUBS MUST BE A MINIMUM THREE-GALLON CONTAINER SIZE AND BE SPACED 18 TO 36 INCHES ON CENTER. THEY MUST BE AT LEAST 36 INCHES (60 INCHES FOR TYPE F BUFFERS) IN HEIGHT WITHIN 12 MONTHS OF TIME OF PLANTING AND MAINTAINED IN PERPETUITY AT A HEIGHT OF NO LESS THAN 36 INCHES (60 INCHES FOR TYPE F BUFFERS).
- (E) REQUIRED HEDGES MUST BE PLANTED IN DOUBLE STAGGERED ROWS AND MAINTAINED SO AS TO FORM A CONTINUOUS, UNBROKEN, SOLID VISUAL SCREEN WITHIN A MINIMUM OF ONE YEAR AFTER TIME OF PLANTING.
- (F) THE HEIGHT OF ALL TREES, PALMS, AND SHRUBS LOCATED WITHIN THE BUFFER AREAS MUST BE MEASURED FROM THE PARKING LOT GRADE OF THE PROJECT SITE. ALL OTHER PLANTS ARE MEASURED FROM THE FINAL GRADE IN WHICH THEY RESIDE. TREE AND SHRUB HEIGHTS MAY NOT BE LESS THAN THE MINIMUM REQUIREMENTS SET FORTH IN LDC SECTION 10-420(C) AND 10-420(D).
- (G) MULCH REQUIREMENTS. A TWO-INCH MINIMUM LAYER, AFTER WATERING-IN, OF MULCH OR OTHER RECYCLED MATERIALS MUST BE PLACED AND MAINTAINED AROUND ALL NEWLY INSTALLED TREES, SHRUBS, AND GROUNDCOVER PLANTINGS. EACH TREE MUST HAVE A RING OF MULCH NO LESS THAN 24 INCHES BEYOND ITS TRUNK IN ALL DIRECTIONS. THE USE OF CYPRESS MULCH IS STRONGLY DISCOURAGED. SAND, GRAVEL, ROCK, OR SHELL ARE NOT APPROPRIATE MULCH MATERIALS.
- (H) INVASIVE EXOTICS. THE FOLLOWING HIGHLY INVASIVE EXOTIC PLANTS MAY NOT BE PLANTED, (IE. ARE PROHIBITED) AND MUST BE REMOVED FROM THE DEVELOPMENT AREA. METHODS TO REMOVE AND CONTROL INVASIVE EXOTIC PLANTS MUST BE INCLUDED ON THE DEVELOPMENT ORDER PLANS. A STATEMENT MUST ALSO BE INCLUDED ON THE DEVELOPMENT ORDER THAT THE DEVELOPMENT AREA WILL BE MAINTAINED FREE FROM INVASIVE EXOTIC PLANTS IN PERPETUITY. FOR PURPOSES OF THIS SUBSECTION, INVASIVE EXOTIC PLANTS INCLUDE:SEC.
- (I) F DRY DETENTION AREAS ARE PLANTED WITH NATIVE CLUMP GRASSES IN LIEU OF SOD OR SEEDING, THEN THE PLANTS MUST BE A MINIMUM ONE-GALLON CONTAINER SIZE PLANTED THREE-FOOT ON CENTER.(J)CREDITS
- (1) EXCEPT FOR PROHIBITED INVASIVE EXOTIC SPECIES AS LISTED ABOVE, EVERY CONSIDERATION MUST BE GIVEN TO RETAINING AS MUCH OF THE EXISTING PLANT MATERIAL AS POSSIBLE.
- (2) EACH EXISTING INDIGENOUS NATIVE TREE PRESERVED IN PLACE, WHICH HAS A TRUNK DIAMETER OF FOUR INCHES OR GREATER MEASURED AT FOUR AND ONE-HALF FEET ABOVE THE GROUND (DBH) WILL RECEIVE A CREDIT OF FIVE TREES AGAINST THE GENERAL TREE REQUIREMENTS. NATIVE PALMS PRESERVED IN PLACE THAT ARE EIGHT FEET OR GREATER FROM GROUND LEVEL TO BASE OF FRONDS, WILL RECEIVE A CREDIT OF THREE TREES. EXISTING SABAL PALMS, IDENTIFIED ON THE DEVELOPMENT ORDER PLANS THAT ARE RELOCATED ONSITE WILL BE GIVEN A TWO-TREE CREDIT. CREDITS FOR EXISTING TREES MAY NOT BE USED TO REDUCE THE REQUIRED PARKING CANOPY TREES IN PARKING OR VEHICLE USE AREAS. EXISTING NATIVE TREES IN BUFFERS MAY BE USED FOR CREDIT PROVIDED THEY OCCUR WITHIN THE REQUIRED 100-FOOT BUFFER SEGMENT
- (3) CREDITS WILL APPLY ONLY WHEN THE TREES ARE LABELED AS PROTECTED-CREDIT TREES. IF THE PROTECTED-CREDIT TREES DIE WITHIN THREE YEARS FROM THE DEVELOPMENT ORDER CERTIFICATE OF COMPLIANCE, THEY MUST BE REPLACED BY THE NUMBER OF CREDIT TREES TAKEN.
- (3) CREDITS WILL APPLY WHERE THE PRESERVED TREE IS IN A BARRICADED AREA AT LEAST TWO-THIRDS THE RADIUS OF THE CROWN SPREAD OF THE TREE MEASURED FROM THE TRUNK CENTER. IN NO CASE MAY THIS AREA RADIUS BE LESS THAN TWO AND ONE-HALF FEET, FOR INDIGENOUS NATIVE PINE TREES, THE BARRICADED AREA MAY BE NO LESS THAN THE FULL CROWN SPREAD OF THE TREE, UNLESS OTHER MEASURES SUCH AS TIE-WALLS OR SPECIAL SLOPE TREATMENT ARE CONSTRUCTED FOR ADDITIONAL PROTECTION. PRIOR TO THE LAND CLEARING STAGE OF DEVELOPMENT, THE OWNER, DEVELOPER OR AGENT MUST ERECT PROTECTIVE BARRIERS THAT ARE AT MINIMUM MADE OF THREE-FOOT HIGH SILT FENCE, THREE-FOOT HIGH ORANGE CONSTRUCTION FENCE OR APPROVED ALTERNATIVE BARRICADING MATERIAL. FOR ALL NATIVE, INDIGENOUS OPEN SPACE AREAS, INCLUDING SHRUBS AND GROUND COVER, BARRICADES MUST BE ERECTED AROUND THE PERIMETER OF THE VEGETATION. THE OWNER, DEVELOPER OR AGENT MAY NOT CAUSE OR PERMIT THE MOVEMENT OF EQUIPMENT OR THE STORAGE OF EQUIPMENT, MATERIAL, DEBRIS OR FILL TO BE PLACED WITHIN THE REQUIRED PROTECTIVE BARRIER. THE PROTECTED TREES MUST REMAIN ALIVE AND HEALTHY AT THE END OF THE CONSTRUCTION IN ORDER FOR THIS CREDIT TO APPLY
- (4) A TREE LOCATION PLAN MUST BE SUBMITTED WHEN GENERAL TREES LOCATED WITHIN A DESIGNATED PRESERVE ARE BEING CLAIMED FOR CREDIT. THE TREE LOCATION PLAN MUST INCLUDE SPECIFIC INFORMATION ABOUT ALL TREES THAT ARE BEING PRESERVED FOR CREDIT WITHIN THE ENTIRE DEVELOPMENT FOOTPRINT. THE TREE LOCATION PLAN MUST: (1) BE AT THE SAME SCALE AS THE SITE PLAN; (2) SHOW THE LOCATION OF TREES TO BE SAVED; (3) STATE THE CALIPER FOR EACH TREE (FOUR-INCH MINIMUM CALIPER MEASURED AT FOUR AND ONE-HALF FEET ABOVE GROUND LEVEL); AND (4) IDENTIFY THE SPECIES OF EACH TREE.

10-421. - PLANT INSTALLATION AND MAINTENANCE STANDARDS (A) INSTALLATION. PLANT MATERIALS MUST BE INSTALLED IN SOIL CONDITIONS THAT ARE CONDUCIVE TO THE

PROPER GROWTH OF THE PLANT MATERIAL. LIMEROCK LOCATED WITHIN PLANTING AREAS MUST BE REMOVED AND REPLACED WITH NATIVE OR GROWING QUALITY SOIL BEFORE PLANTING. A PLANT'S GROWTH HABIT MUST BE CONSIDERED IN ADVANCE OF CONFLICTS THAT MIGHT BE CREATED (E.G. VIEWS, SIGNAGE, OVERHEAD POWER LINES, LIGHTING, BUILDINGS, AND CIRCULATION). TREES MAY NOT BE PLACED WHERE THEY INTERFERE WITH SITE DRAINAGE, SUBSURFACE UTILITIES, OR OVERHEAD UTILITY LINES, OR WHERE THEY WILL REQUIRE FREQUENT PRUNING IN ORDER TO AVOID INTERFERENCE WITH OVERHEAD POWER LINES. LIGHT POLES MUST BE LOCATED OUTSIDE OF ALL PARKING ISLANDS CONTAINING REQUIRED TREES. SEE ILLUSTRATION 10-421(A). ILLUSTRATION 10-421(A)

ALL LANDSCAPE MATERIALS MUST BE INSTALLED IN A RECOGNIZED HORTICULTURAL CORRECT MANNER. AT A MINIMUM, THE FOLLOWING INSTALLATION REQUIREMENTS MUST BE MET:

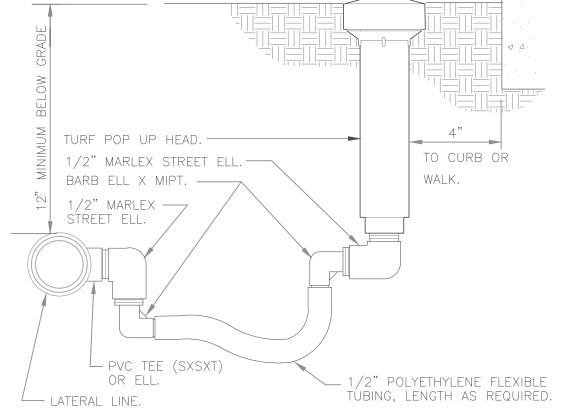
- (1) ALL LANDSCAPE AREAS MUST BE MULCHED UNLESS VEGETATIVE COVER IS ALREADY ESTABLISHED. (2) TREES AND SHRUBS USED IN BUFFERS MUST BE PLANTED IN A MINIMUM WIDTH AREA EQUAL TO ONE-HALF THE REQUIRED WIDTH OF THE BUFFER. HOWEVER, IN NO CASE MAY THE PLANTING AREA BE LESS THAN FIVE
- FEET IN WIDTH. (3) ALL LANDSCAPED AREAS MUST BE PROVIDED PROTECTION FROM ENCROACHMENT BY ANY TYPE OF
- (4) ALL REQUIRED PLANTS USED IN BUFFERS AND LANDSCAPING MUST BE INSTALLED USING XERISCAPE PRINCIPLES. XERISCAPE PRINCIPLES INCLUDE WATER CONSERVATION THROUGH DROUGHT-TOLERANT LANDSCAPING, THE USE OF APPROPRIATE PLANT MATERIAL, MULCHING, AND THE REDUCTION OF TURF
- (5) (UTILITY OR DRAINAGE EASEMENTS MAY OVERLAP REQUIRED BUFFERS; HOWEVER, NO CODE REQUIRED TREES OR SHRUBS MAY BE LOCATED IN ANY UTILITY OR DRAINAGE EASEMENT UNLESS A WRITTEN STATEMENT, FROM THE ENTITY HOLDING THE BENEFICIAL INTEREST IN THE EASEMENT, IS SUBMITTED SPECIFICALLY STATING THAT THE ENTITY HAS NO OBJECTION TO THE LANDSCAPING AND, THAT THE PROPOSED LANDSCAPING WILL NOT INTERFERE WITH THE LONG TERM MAINTENANCE OF THE INFRASTRUCTURE WITHIN EASEMENT AREA. NO CODE REQUIRED LANDSCAPING MAY BE LOCATED IN ANY STREET EASEMENT OR RIGHT-OF-WAY. TO AVOID CONFLICTS WITH OVERHEAD UTILITY LINES, ONLY TREES LESS THAN 20 FEET IN HEIGHT AT MATURITY MAY BE USED DIRECTLY ADJACENT TO AN OVERHEAD LINE. VARIANCES OR DEVIATIONS FROM THE REQUIREMENTS OF THIS SUBSECTION ARE PROHIBITED
- (6) SAFE SIGHT DISTANCE TRIANGLES AT INTERSECTIONS AND VEHICLE CONNECTIONS. WHERE AN ACCESS WAY INTERSECTS A RIGHT-OF-WAY OR WHEN A PROPERTY ABUTS THE INTERSECTION OF TWO OR MORE RIGHTS-OF-WAY, A MINIMUM SAFE SIGHT DISTANCE TRIANGULAR AREA MUST BE ESTABLISHED. WITHIN THIS AREA, VEGETATION MUST BE PLANTED AND MAINTAINED IN A WAY THAT PROVIDES UNOBSTRUCTED VISIBILITY AT A LEVEL BETWEEN 30 INCHES AND EIGHT FEET ABOVE THE CROWN OF THE ADJACENT ROADWAY. LANDSCAPING MUST BE LOCATED IN ACCORDANCE WITH THE ROADSIDE RECOVERY AREA PROVISIONS OF THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION'S MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE OF STREETS AND HIGHWAYS (FDOT GREEN BOOK) WHERE APPROPRIATE.
- (1) SIGNAGE LOCATED WITHIN OR ADJACENT TO LANDSCAPE BUFFER AREA. ALL TREES AND SHRUBS LOCATED WITHIN LANDSCAPE BUFFER MUST BE LOCATED SO AS NOT TO BLOCK THE VIEW OF SIGNAGE.
- (8) IF A WALL OR FENCE IS PROPOSED, BUT NOT REQUIRED, THEN THE REQUIRED BUFFER PLANTINGS MUST BE INSTALLED ON THE EXTERIOR SIDE (BETWEEN THE WALL AND THE ABUTTING PROPERTY OR STREET RIGHT-OF-WAY) OF THE WALL OR FENCE.
- (B) MAINTENANCE OF LANDSCAPING. THE OWNER IS RESPONSIBLE FOR MAINTAINING THE REQUIRED LANDSCAPING IN A HEALTHY AND VIGOROUS CONDITION AT ALL TIMES. TREE AND PALM STAKING MUST BE REMOVED WITHIN 12 MONTHS AFTER INSTALLATION. ALL LANDSCAPES MUST BE KEPT FREE OF REFUSE, DEBRIS, DISEASE, PESTS, AND WEEDS. ONGOING MAINTENANCE TO PROHIBIT THE ESTABLISHMENT OF PROHIBITED INVASIVE EXOTIC SPECIES IS REQUIRED
- (C) PRUNING, YEGETATION REQUIRED BY THIS CODE MAY ONLY BE PRUNED TO PROMOTE HEALTHY, UNIFORM, NATURAL GROWTH OF THE YEGETATION (EXCEPT WHERE NECESSARY TO PROMOTE HEALTH, SAFETY, AND WELFARE) AND BE IN ACCORDANCE WITH "AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS -TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE - STANDARD PRACTICES (PRUNING) (A300, PART 1)" BY THE AMERICAN NATIONAL STANDARD INSTITUTE, AND "BEST MANAGEMENT PRACTICES: TREE PRUNING" BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA).





BUBBLER ON FLEX HOSE RISEF

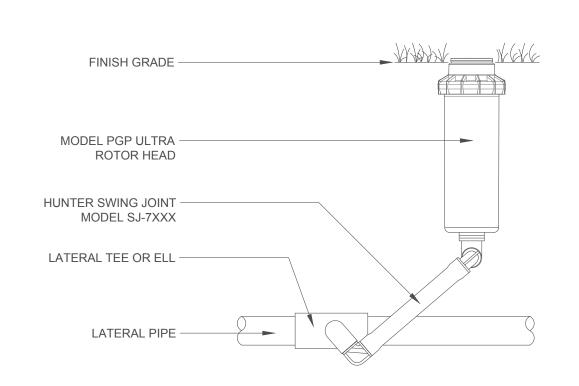
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* WHEN USING LARGER GPM NOZZLES, BEWARE OF HIGH FRICTION LOSS IN SWING JOINTS.

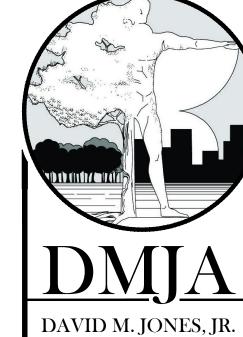


☐ R = FACTORY INSTALLED RECLAIMED RUBBER ☐ CØVERACTORY INSTALLED DRAIN CHECK VALVE



PGP ULTRA ROTOR HEAD WITH SJ-7XXX

FX-IR-HUNT-ROTR-61



AND ASSOCIATES, INC

LANDSCAPE ARCHITECTS

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PROJECT INFORMATION:

LEHIGH LEE **TRAN** PARK & RIDE Lehigh Acres Florida

PREPARED FOR:



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CONSULTANT:

DESIGN PROFESSIONAL:

GREGORY J. DISERIO, RLA

RLA NO. 840 DATE: STATE OF FLORIDA PROJECT NO. 221017 PROIECT MIR: Greg Diserio LEHIGH PARK RIDE L FILE NAME: GJD DESIGNER: CAD TECH: CHECKED BY SSUED FOR:

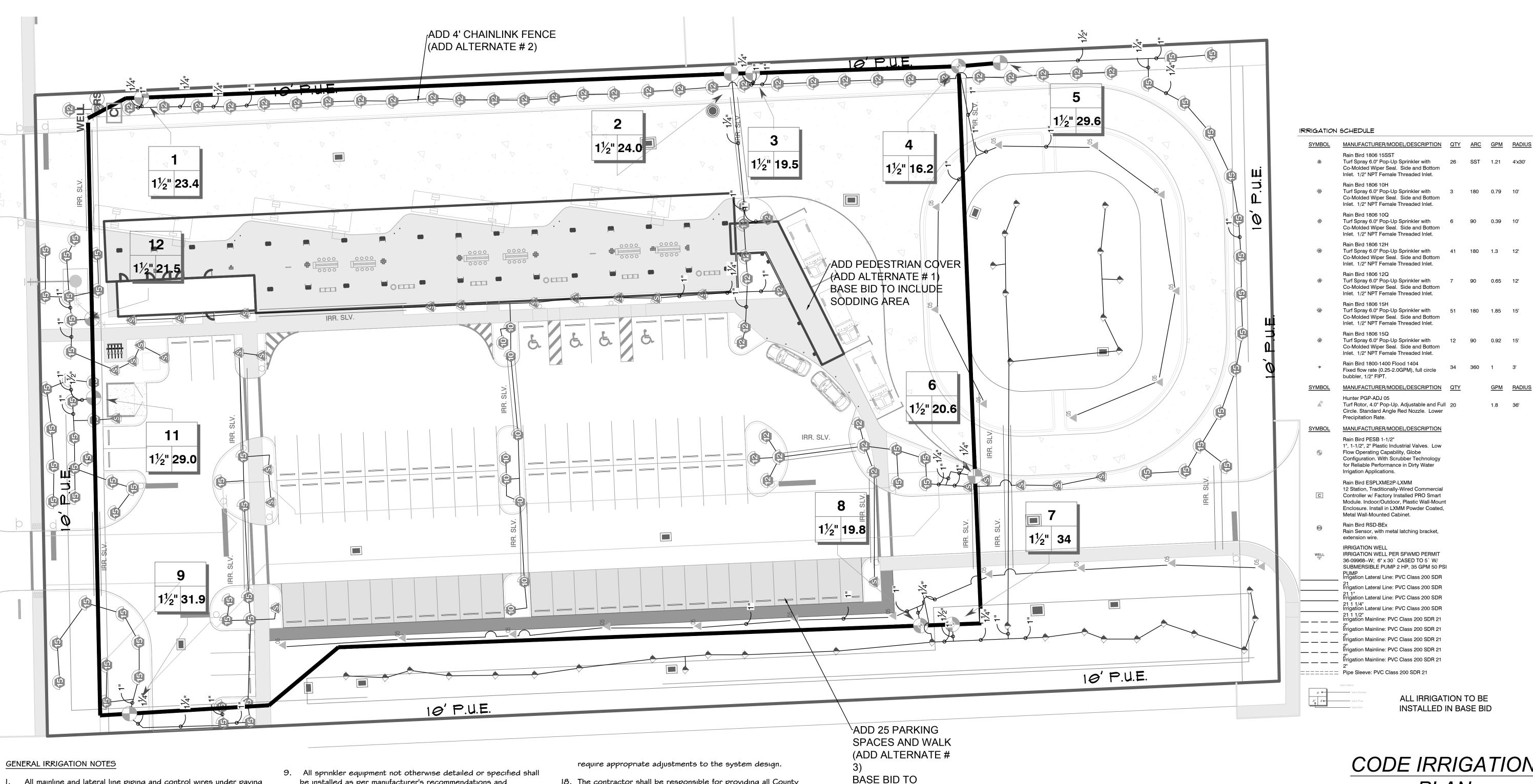
ISSUED DATE: JULY 1, 2022 REVISIONS: NOV. 18, 2022 RAI RESPONSE DEC. 12, 2022 90% CD'S APRIL 17, 2023 100% CD'S

90% CONSTRUCTION

DOCUMENTS

SHEET TITLE: LANDSCAPE & **IRRIGATION DETAILS**

SHEET NUMBER



- All mainline and lateral line piping and control wires under paving shall be installed in separate sleeves. main and lateral line sleeves shall be a minimum of twice (2x) the diameter of the pipe to be sleeved. Control wire sleeves shall be sufficient size for the required number of wires under paving.
- 2. Pipe sizes shall conform to those shown on the drawings. No substitutes of smaller pipe sizes shall be permitted but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said
- 3. All sprinkler heads shall be set perpendicular to finished grade unless otherwise specified.
- 4. The irrigation contractor shall flush and adjust all sprinkler heads and valves for optimum coverage with minimal overspray onto walks, streets, walls, etc.
- 5. Irrigation heads shall be a minimum of I2" from buildings.
- 6. This drawing sheet is diagrammatic and for reference only. All piping, valves, etc. shown within paved areas are for design clarification only and shall be installed in planting areas whenever possible. The contractor shall locate all valves in shrub areas where possible.
- 7. It is the responsibility of the irrigation contractor to familiarize himself with all grade differences, location of walls, structures and utilities. The irrigation contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves through walls, under roadways and paving, etc.
- 8. Do not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences, water levels or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of owners representative. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.

- be installed as per manufacturer's recommendations and specifications.
- 10. The contractor shall provide (Pressure Compensating Screens) as necessary to reduce or eliminate over spray into streets, walks or other areas as dictated by the owner's authorized
- All remote control valves, gate valves, quick couplers and control wire splices shall be installed in approved valve boxes with locking covers. All shall be marked indicating controller and station numbers for control valve.
- 12. Contractor to provide the Owner with a complete irrigation design in compliance with Owners program.
- 13. Irrigation system shall be designed for complete coverage of plant material and sports turf.
- 14. The sprinkler system to be based on a minimum operating pressure of 40 PSI. The irrigation contractor shall verify water pressures, flows, elevations, and other requirements prior to construction. Report any differences between the water pressure and flows indicated on drawings and the actual pressure reading at the irrigation point of connection to the owners authorized representative.
- Installer shall conduct final testing and adjustments to achieve design specifications prior to completion of the system and acceptance by the owner or owner's representative.
- The installer shall provide property owners and users with post-construction documentation, including as-constructed drawings, recommended maintenance activities and schedules, operational schedule, design precipitation rates, instructions on adjusting the system to apply less water after the landscape is established, maintenance schedule, water source, water shut-off method, and the manufacturer's operation guide for the irrigation controller. To the extent feasible, similar information should be made available for subsequent property transfers.
- 17. Any changes and/or modifications to the water source shall

- 18. The contractor shall be responsible for providing all County required permits. Water use permit shall be obtained by the County.
- 19. Plan prepared for development order permitting only. Refer to Owners construction documents for complete irrigation system
- 20. Irrigation water source shall be from a proposed irrigation well.
- 21. 6" Irrigation well, water table aquifer, per SFWMD permit 36-09968-w by others.
- 22. All code plantings to be irrigated.
- 23. Irrigation manufacturers are listed to establish minimum performance standards. Substitutions must be authorized by Lee
- 24. Irrigation system shall be a conventional wire system, unless specifically approved by Lee County at time of bidding. PIPE SIZING CHART

	GPM	SIZE	,	GPM	SIZE
CLASS 200	0-10	3/4"		1-8	3/4"
	11-16	1"	40	9-13	1"
	17-26	1-1/4"	<u> </u>	14-22	1-1/4"
	27-36	1-1/2"	חל	23-30	1-1/2"
	37-55	2"	SCHEDUL	31-50	2"
	56-80	2-1/2"	SC	51-70	2-1/2"
	81-110	3"		71-110	3"
	111-190	4"		110-190	4"
	191-420	6"		191-440	6"
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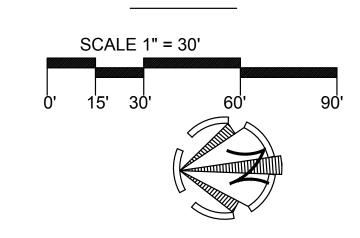
Flows shall maintain velocities of less than 5 feet per second

INCLUDE SODDING AREA

CODE IRRIGATION PLAN

ALL IRRIGATION TO BE

INSTALLED IN BASE BID



DAVID M. JONES, JR.

SST 1.21 4'x30'

180 0.79 10'

41 180 1.3 12'

GPM RADIUS

1.8 36'

LANDSCAPE ARCHITECTS AND PLANNERS

AND ASSOCIATES, INC

2221 McGregor Blvd. Fort Myers, Florida 33901 PHONE: (239) 337-5525 FAX (239) 337-4494

☐ 4161 Tamiami Trail, Bldg 5, Unit 5 Punta Gorda, Florida 33950 PHONE: (941) 639-2450 □FAX (941) 639-2438 L.A. LICENSE: LC COOO063

PROJECT INFORMATION:

LEHIGH LEE TRAN PARK & RIDE Lehigh Acres, Florida

PREPARED FOR: acilities Constructior & Management

 $.. \ \ \, \backslash .. \ \ \, \backslash Administration \ \ \, \backslash Submittals \ \ \, \backslash Lee Tran \ \ \, Logo. PNG$

CONSULTANT:

DESIGN PROFESSIONAL:

GREGORY J. DISERIO, RLA RLA NO. 840 DATE: STATE OF FLORIDA

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MASTER IRRIGATION

PLAN

SHEET NUMBER:

IR 1.0