










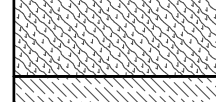
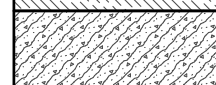



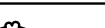



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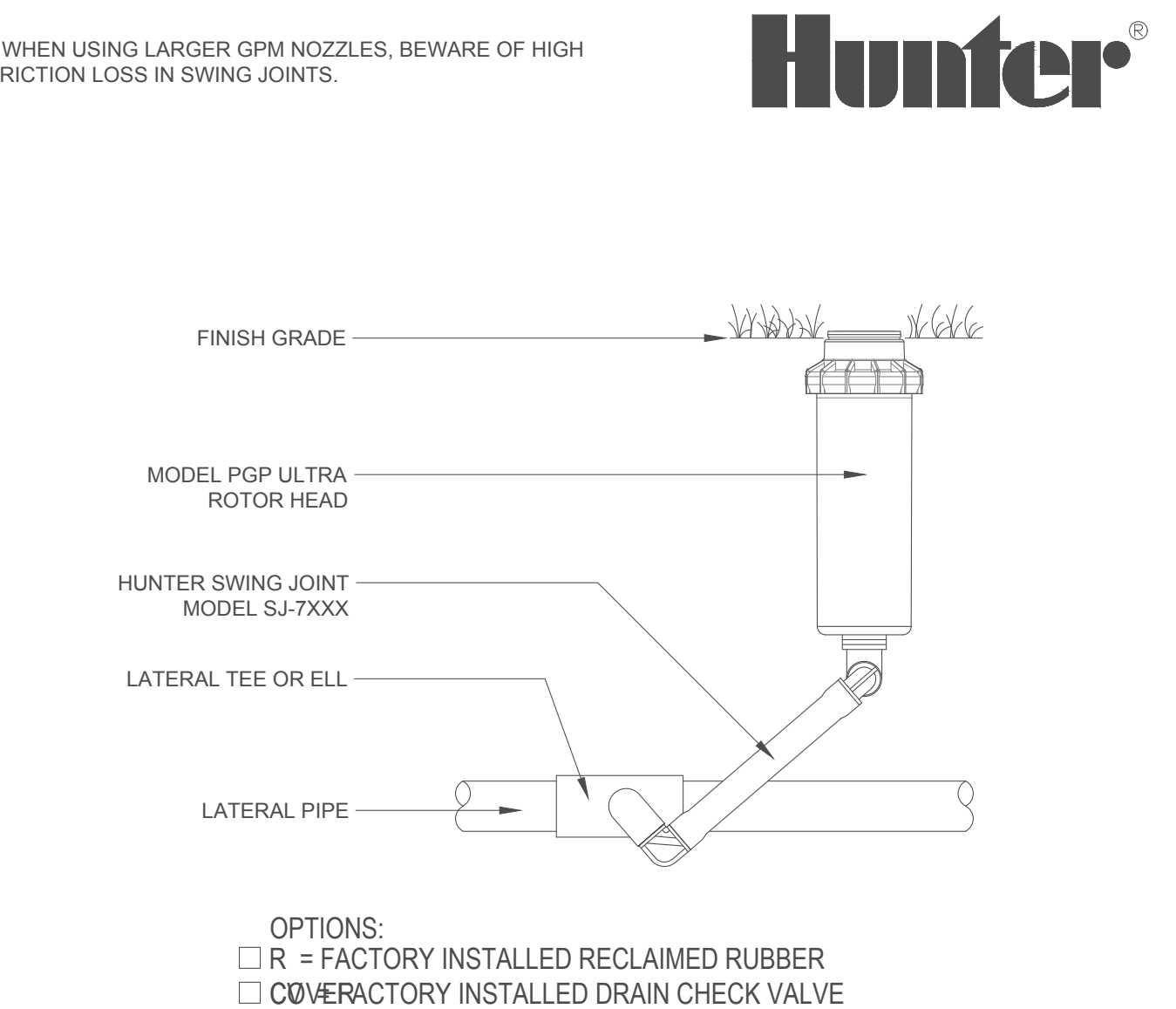
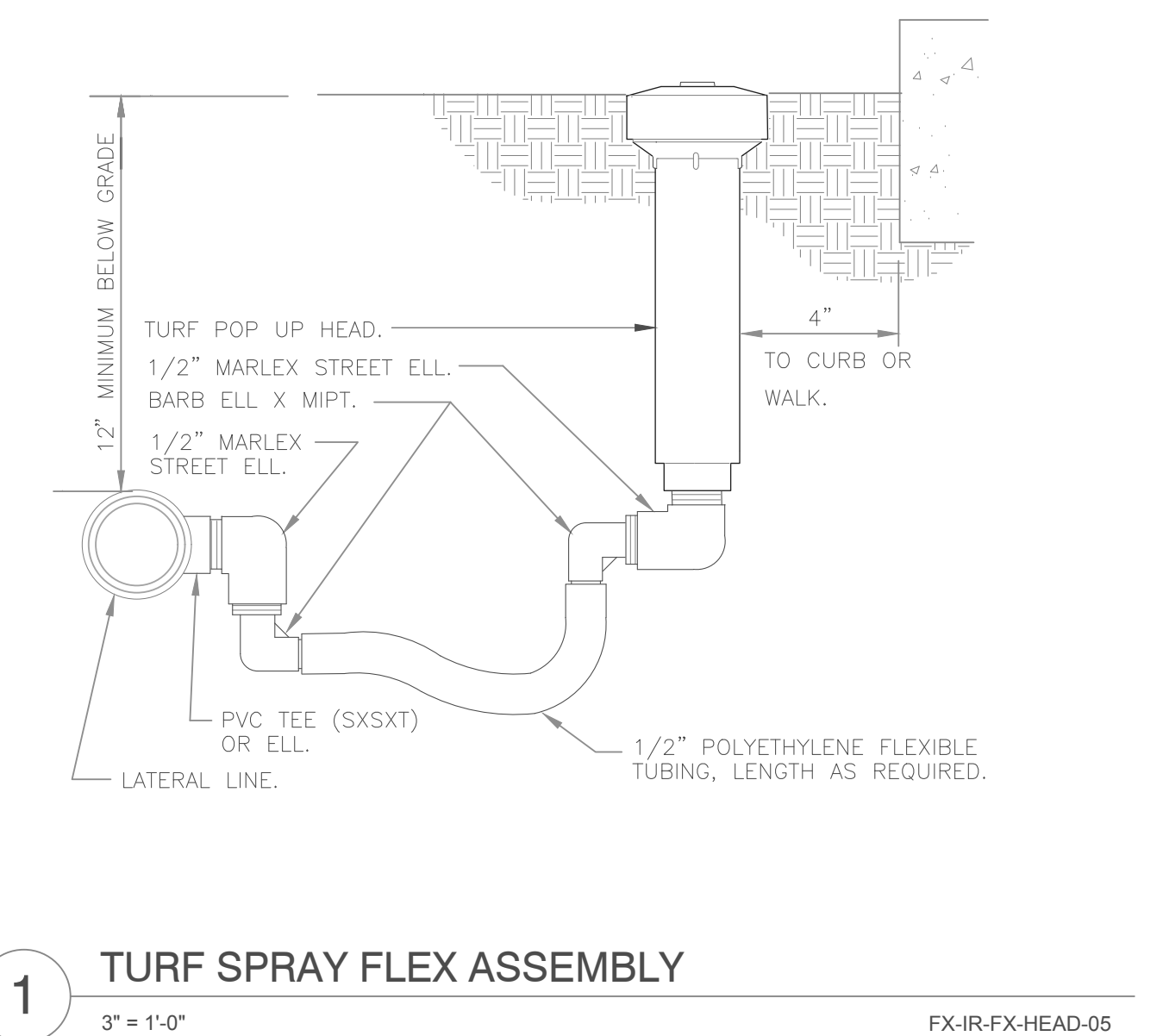
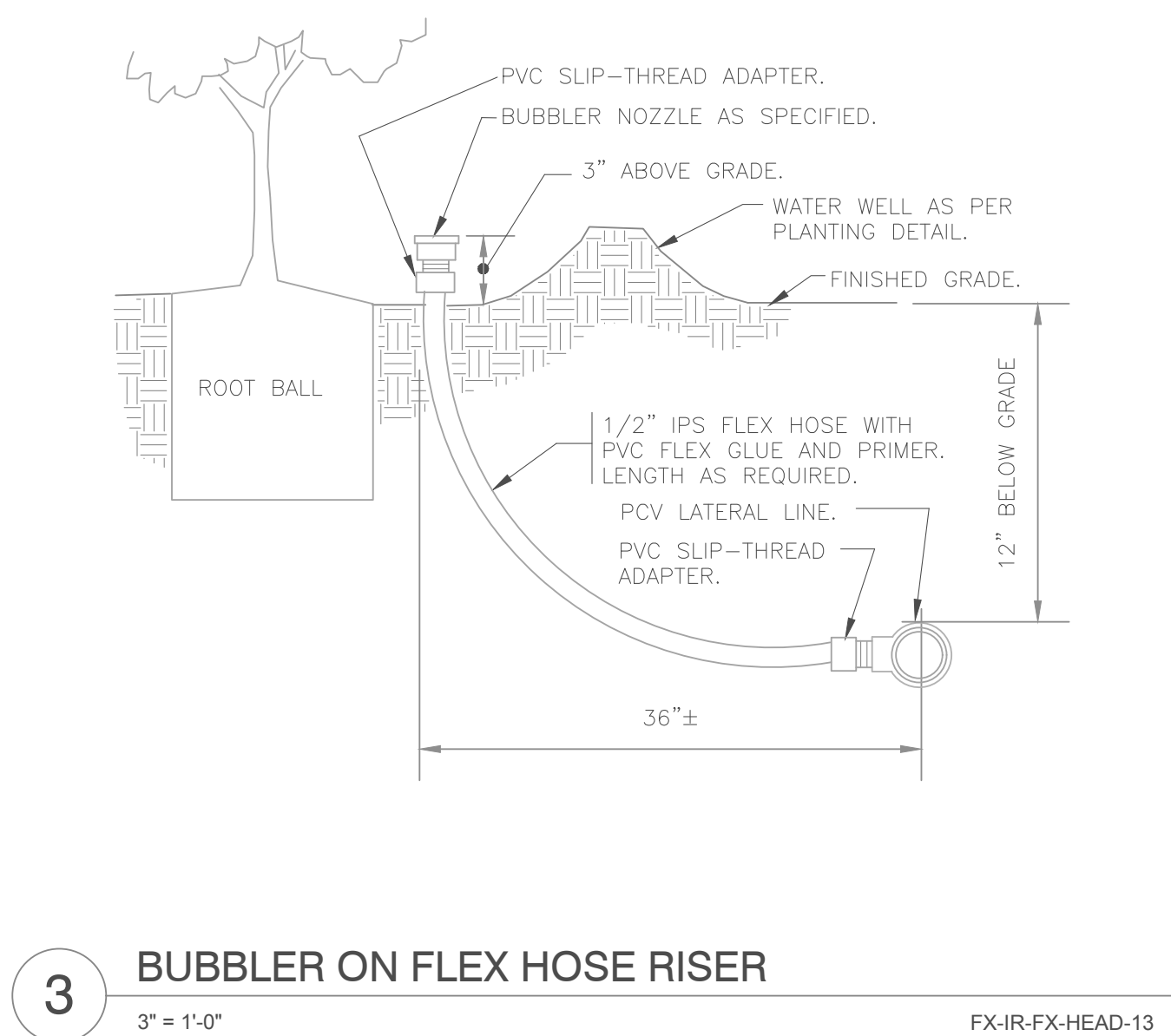
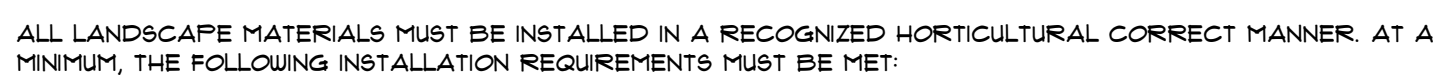
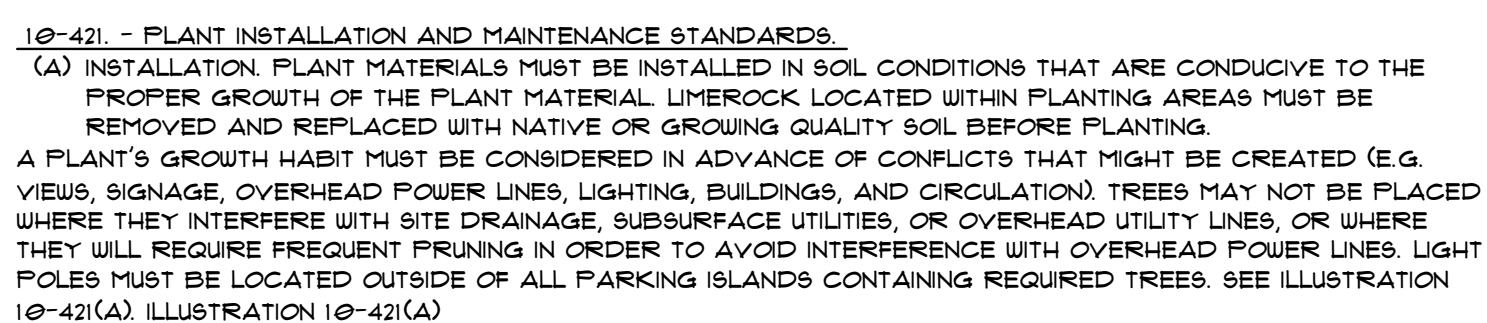
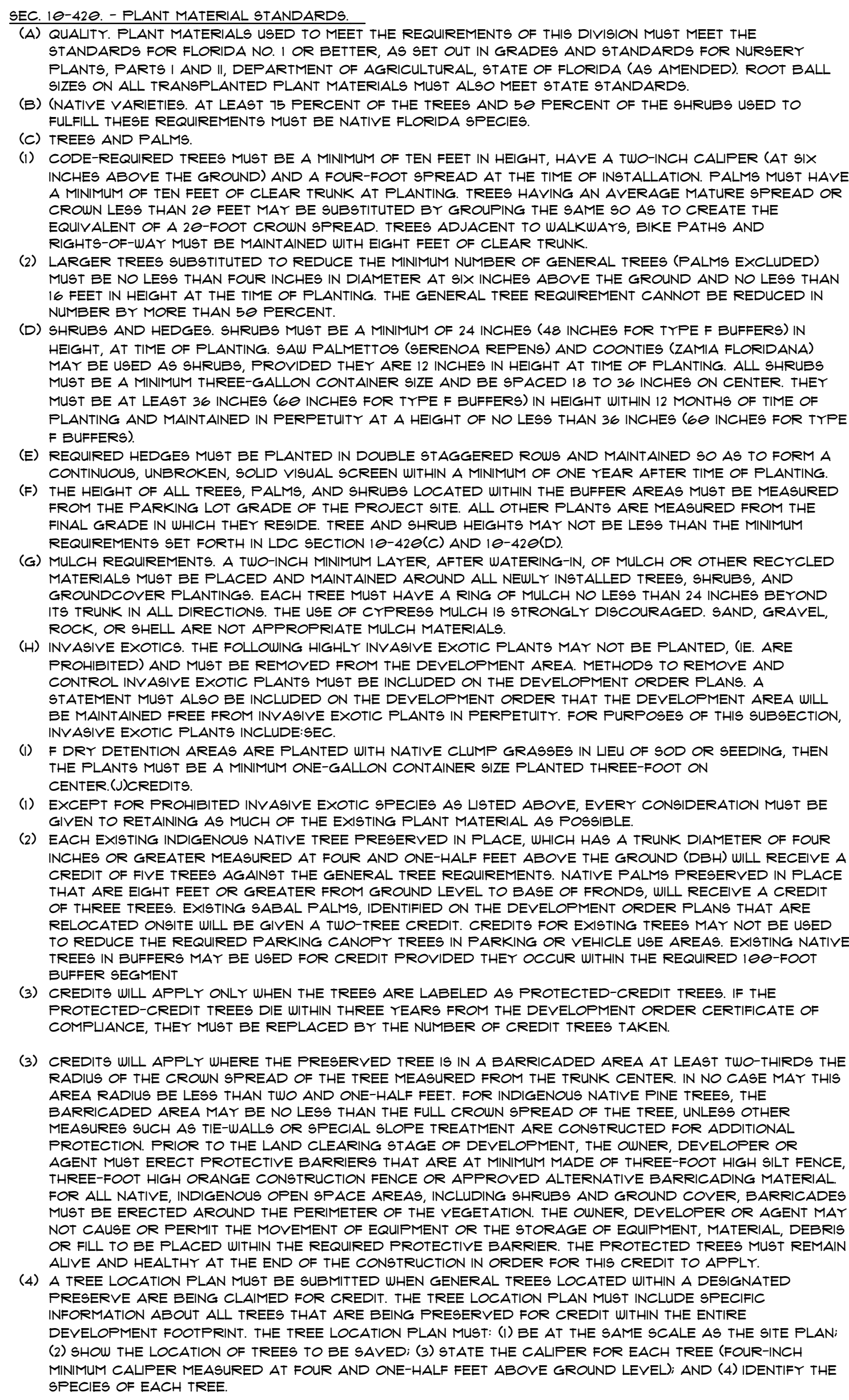
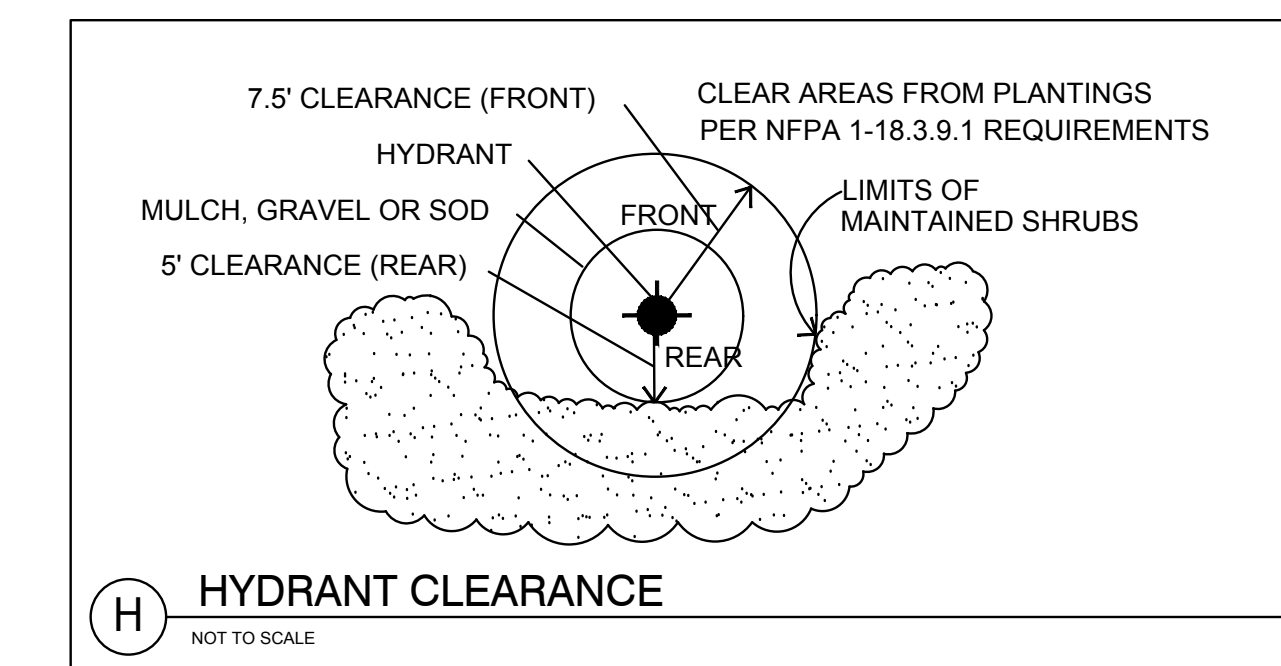
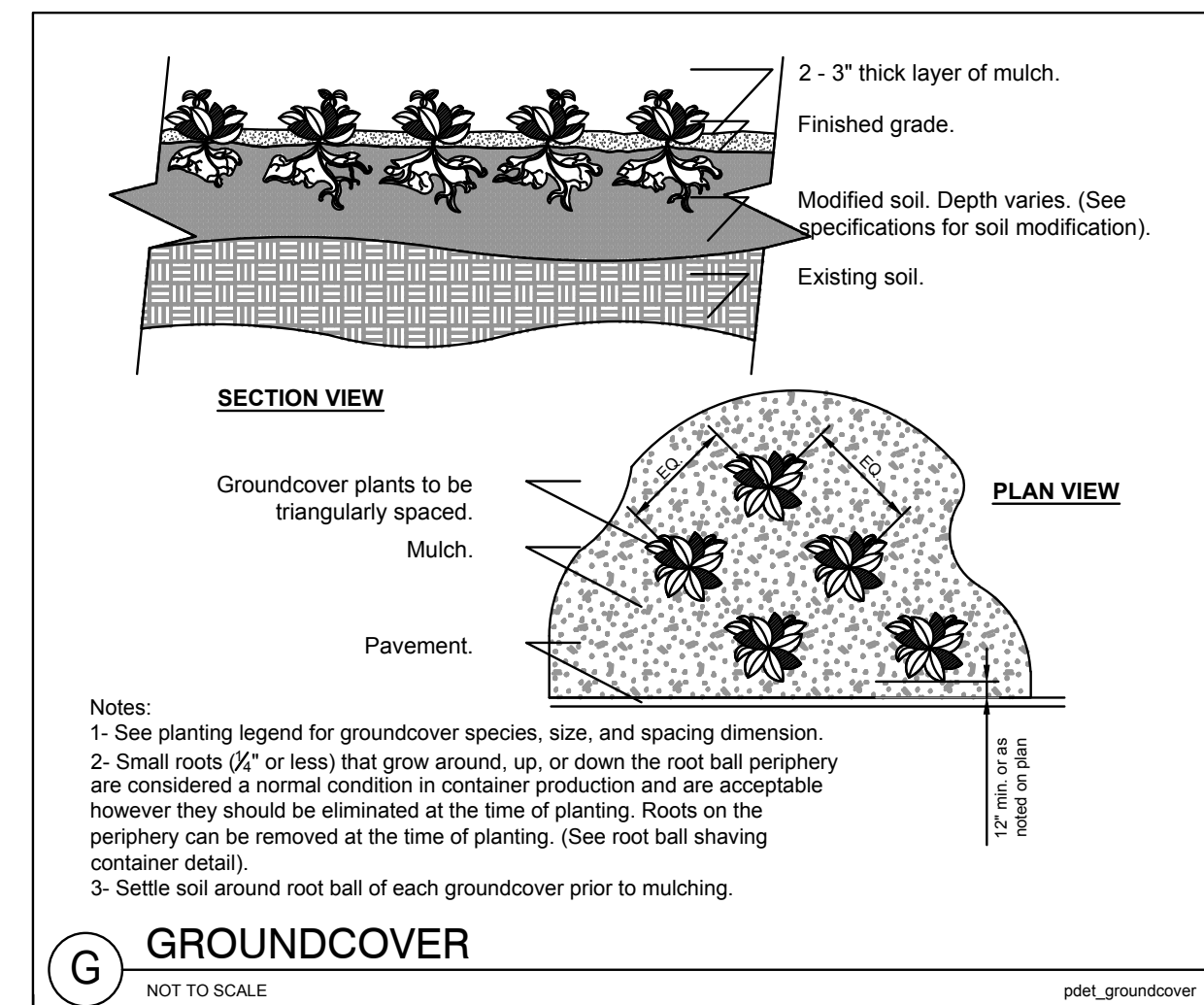
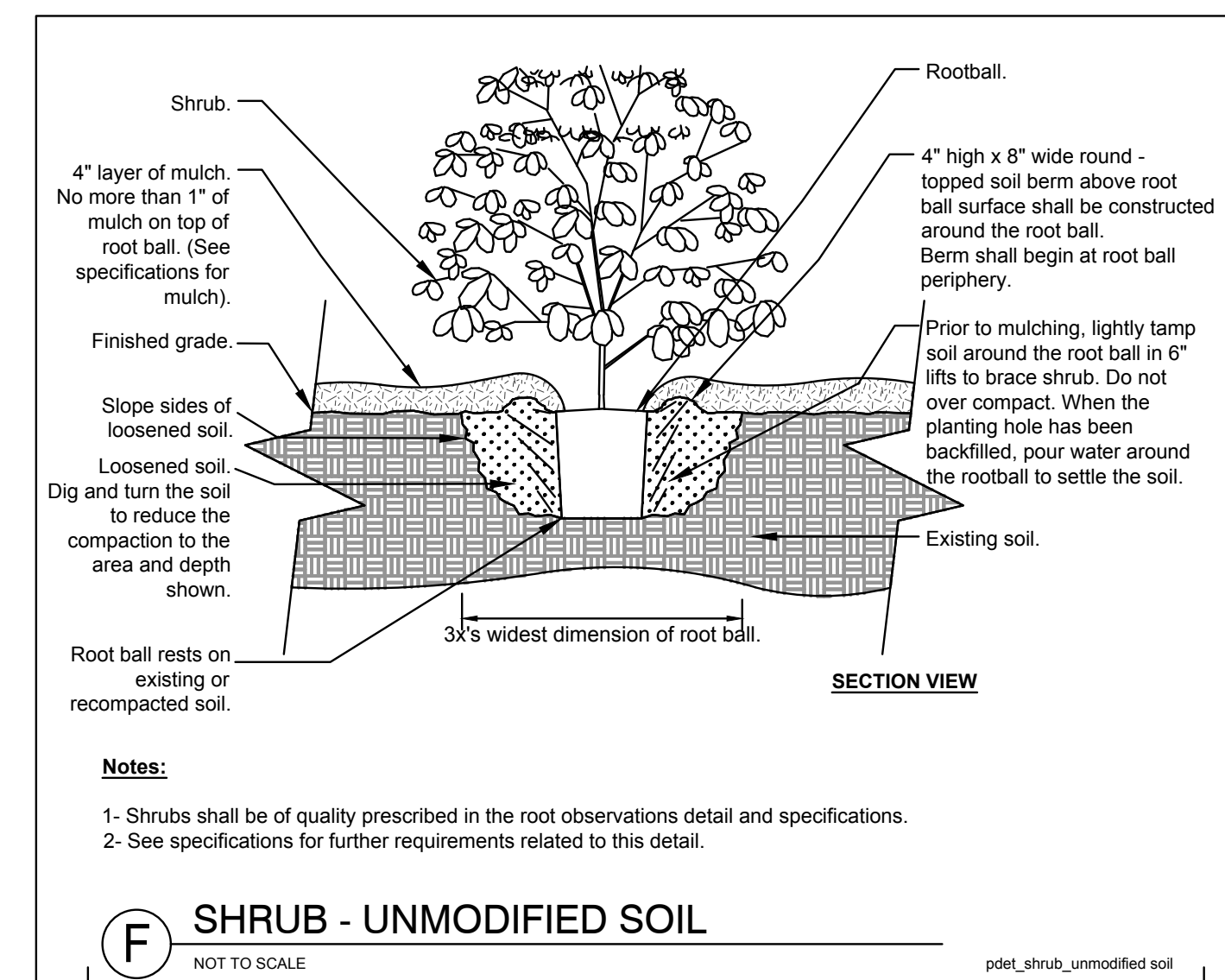
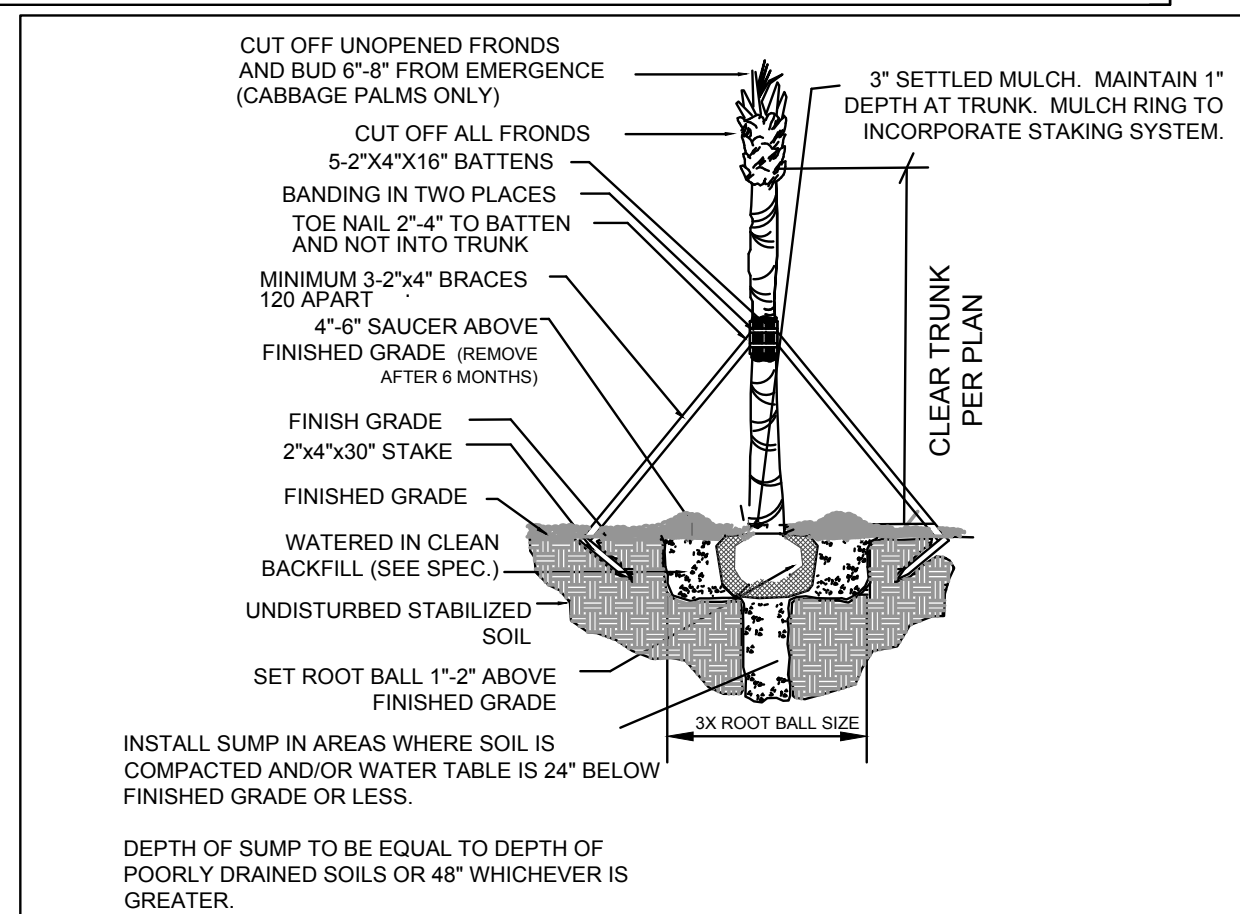
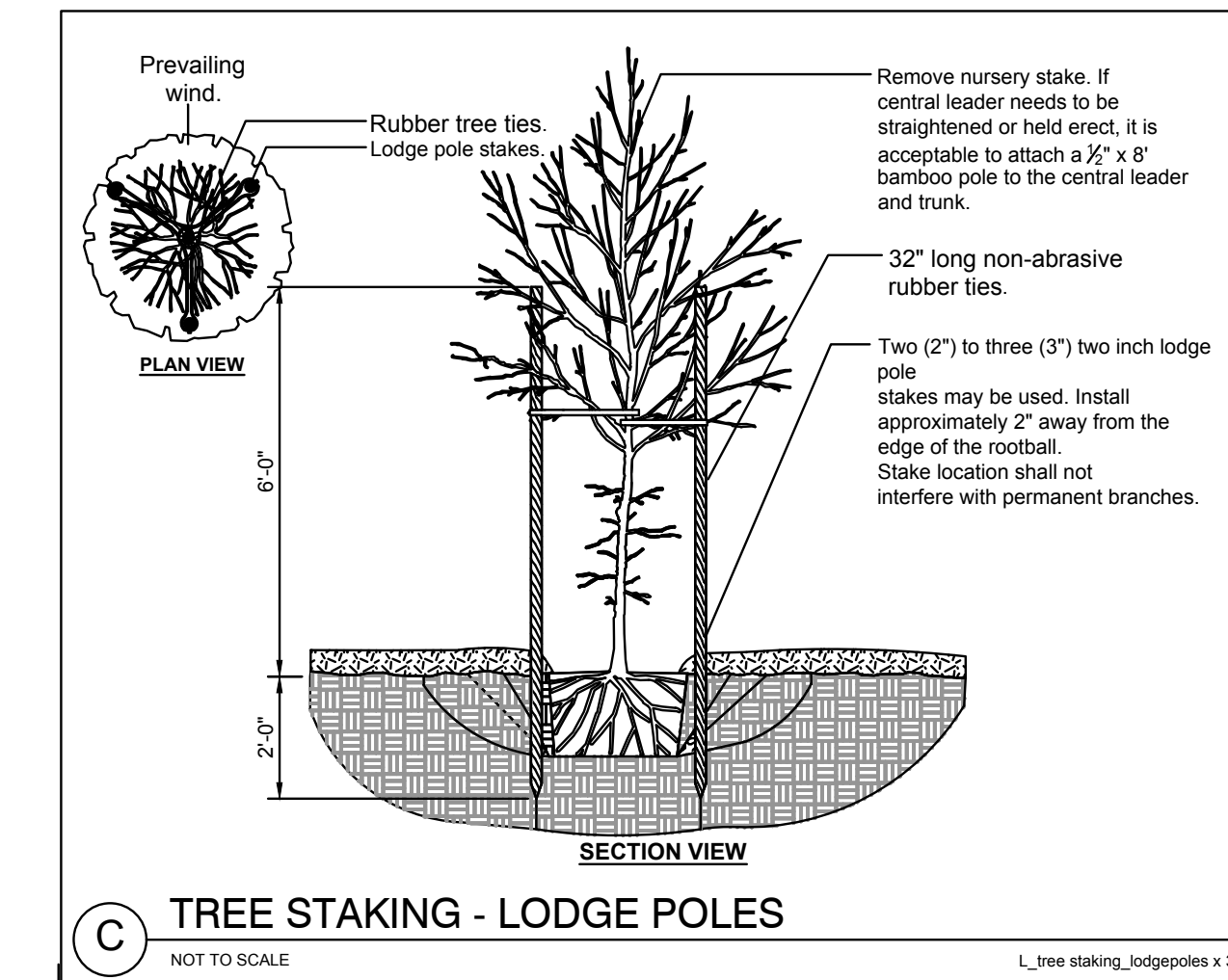
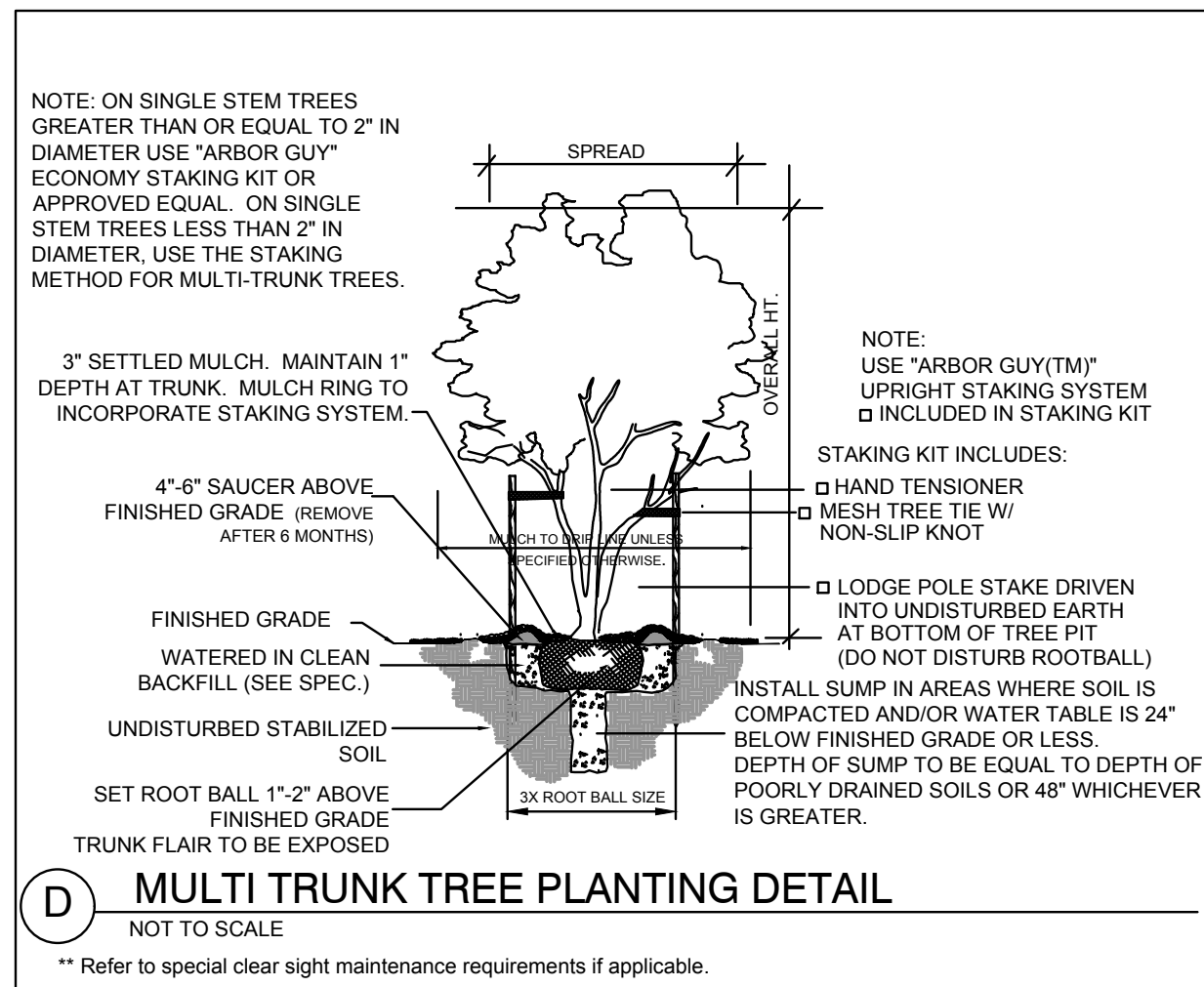
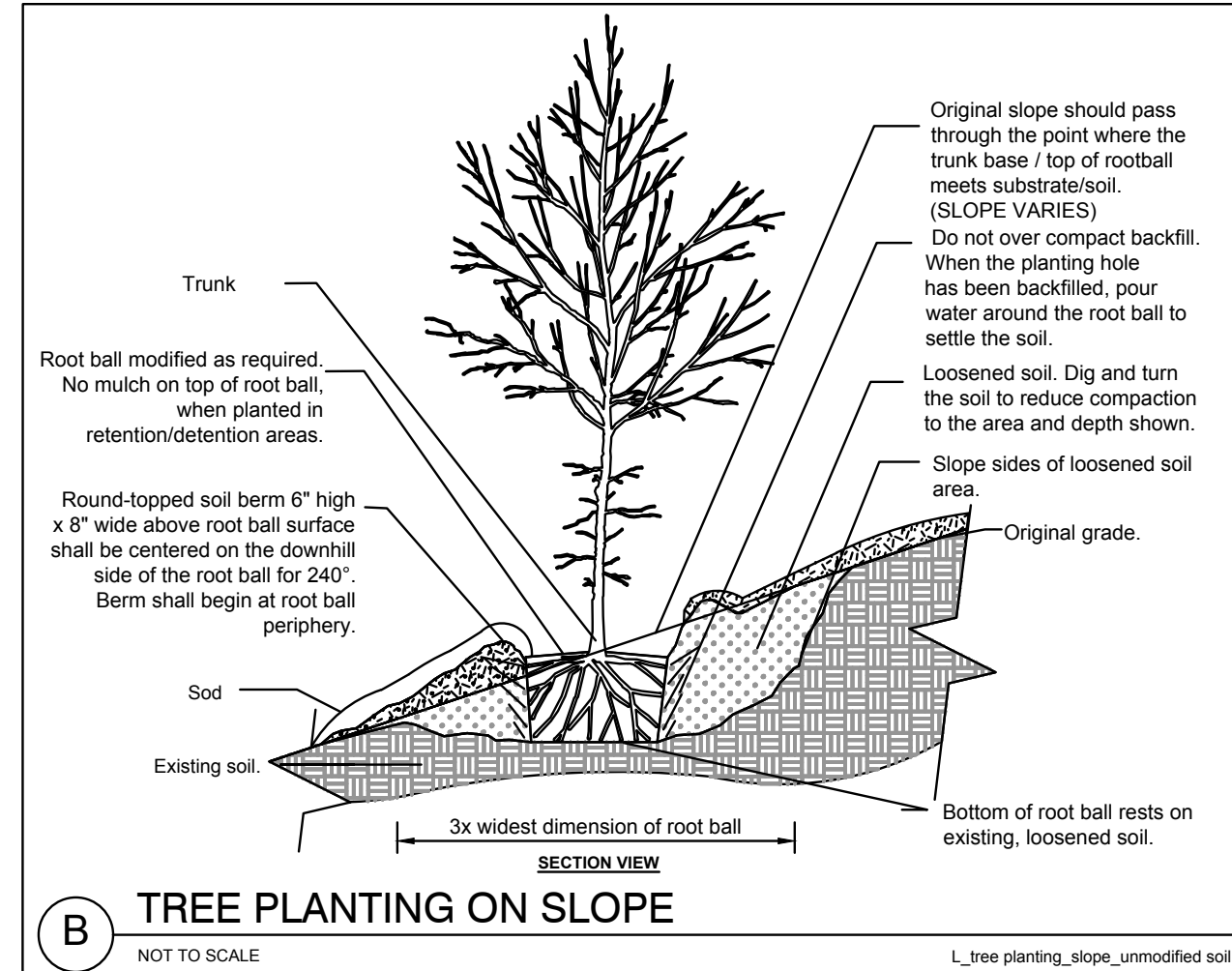
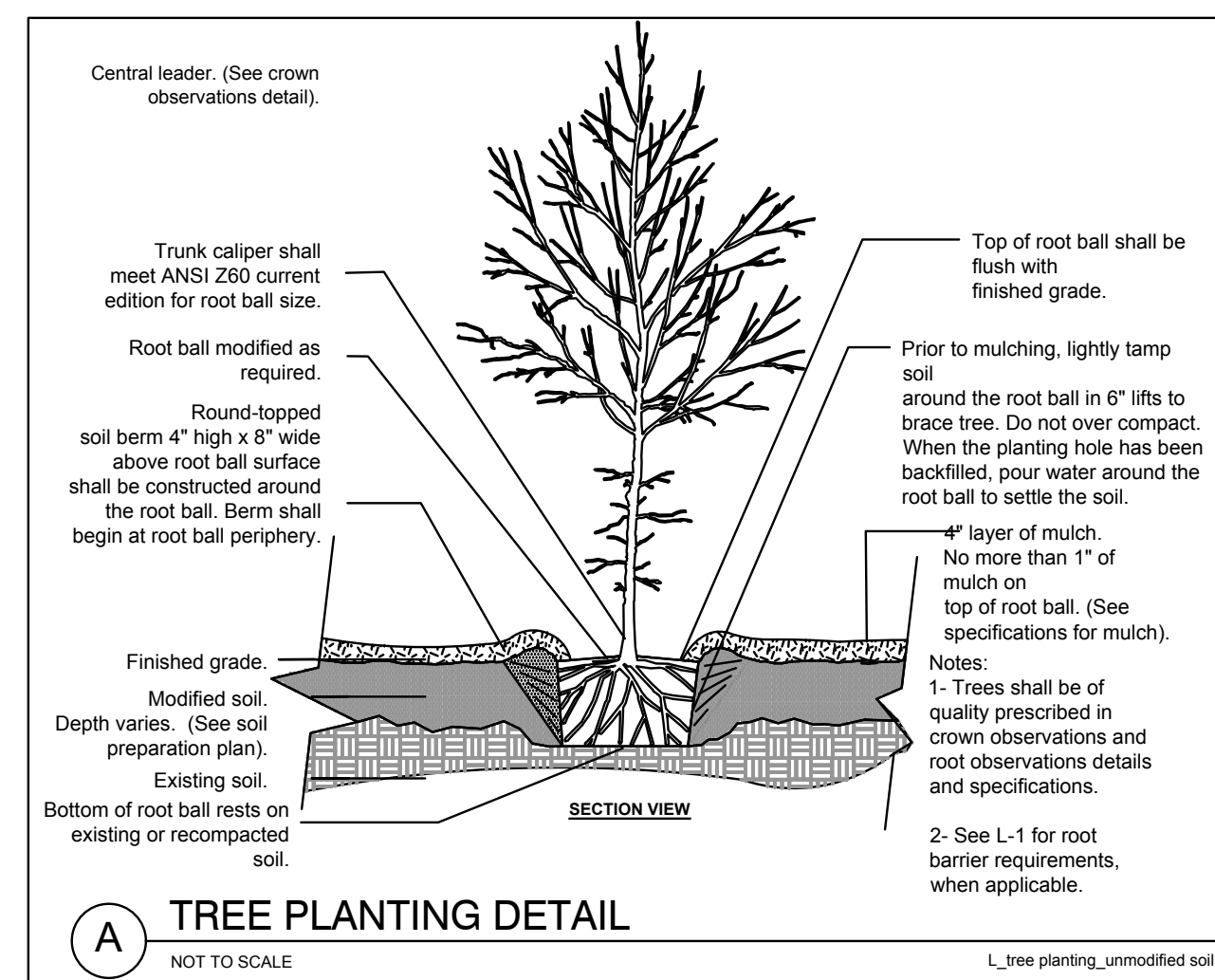


SHEET NUMBER:
L2.0

A diagram of a lens with a central shaded region and a crosshair.

PLANT SCHEDULE - BASE BID					
TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	
	ACE RBR	2	Acer rubrum Red Maple NATIVE	2' Cal., 10' Ht., 4' Sprd.; Standard	
	MYR FRA	4	Myrcianthes fragrans Simpson's Stopper NATIVE	Min. 2' Cal., 10' Ht., 4' Sprd.	
	PIN DE2	5	Pinus elliptici densa Slash Pine NATIVE	2' Cal., 10' Ht., 4' Sprd.; Standard	
	QUE VIR	12	Quercus virginiana Southern Live Oak NATIVE	2' Cal., 10' Ht., 4' Sprd.; Standard	
	SAB SAB	48	Sabal palmetto Cabbage Palmetto NATIVE	10' -16' CT Staggered	
	TAX ASE	15	Taxodium ascendens Pond Cypress NATIVE	Min. 2' Cal., 10' Ht., 4' Sprd.	
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	
	For seg	69	Forestiera segregata Florida Privet NATIVE	3 gal., 24' ht	
	Muh cap	30	Muhlenbergia capillaris Pink Muhly Grass NATIVE	3 gal., 18' ht.	
	Ser cin	40	Serenoa repens 'Cinerea' Silver Saw Palmetto NATIVE	3 gal. 12'-18" ht	
	Tri fak	168	Tripsacum dactyloides Fakahatchee Grass NATIVE	3 gal., 24' ht	
	Vib sus	73	Viburnum suspensum Sandbarake Viburnum	3 GALLON, 24" HT @ 4' OC	
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
	Ara nee	339	Arachis glabrata 'Needlepoint' Perennial Peanut	1 gal.	24" o.c.
	Ern lit	245	Erodia littoralis Golden Creeper NATIVE	1 gal.	24" o.c.
	Spa ba2	859	Spartina bakeri Sand Cordgrass NATIVE	1 gal.	36" o.c.
	Tri da2	47	Tripsacum dactyloides nana Dwarf Fakahatchee Grass NATIVE	1 Gal., 12" Ht., Full	36" o.c.

PLANT SCHEDULE FOR ADD ALTERNATE 3								
PLANT USE DATA	TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE		REMARKS
I PARKING		MYR FRA	1	Myrcianthes fragrans	Simpson's Stopper	Min. 2' Cal., 10' Ht., 4' Sprd.		NATIVE
	GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
PARKING		Ara nee	53	Arachis glabrata 'Needlepoint'	Perennial Peanut	1 gal.	24' o.c.	
PARKING		Ern lit	24	Ernodea littoralis	Golden Creeper	1 gal.	24' o.c.	NATIVE
PARKING		Tri da2	27	Tripsacum dactyloides nana	Dwarf Fakahatchee Grass	1 Gal., 12' Ht., Full	36' o.c.	NATIVE



DMJA

DAVID M. JONES, JR.
AND ASSOCIATES, INC.

LANDSCAPE ARCHITECTS
AND PLANNERS

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PHONE: (941) 639-2450
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L.A. LICENSE: LC 0000063

PROJECT INFORMATION:

LEHIGH LEE
TRAN
PARK & RIDE
Lehigh Acres,
Florida

PREPARED FOR:



.. _Administration\Submittals\LeeTron Logo.PNG

CONSULTANT:

DESIGN PROFESSIONAL:

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

PROJECT NO.	221017
PROJECT MGR:	Greg Diserio
FILE NAME:	LEHIGH PARK RIDE LS
DESIGNER:	GJD
CAD TECH:	
CHECKED BY:	
ISSUED FOR:	
90% CONSTRUCTION DOCUMENTS	

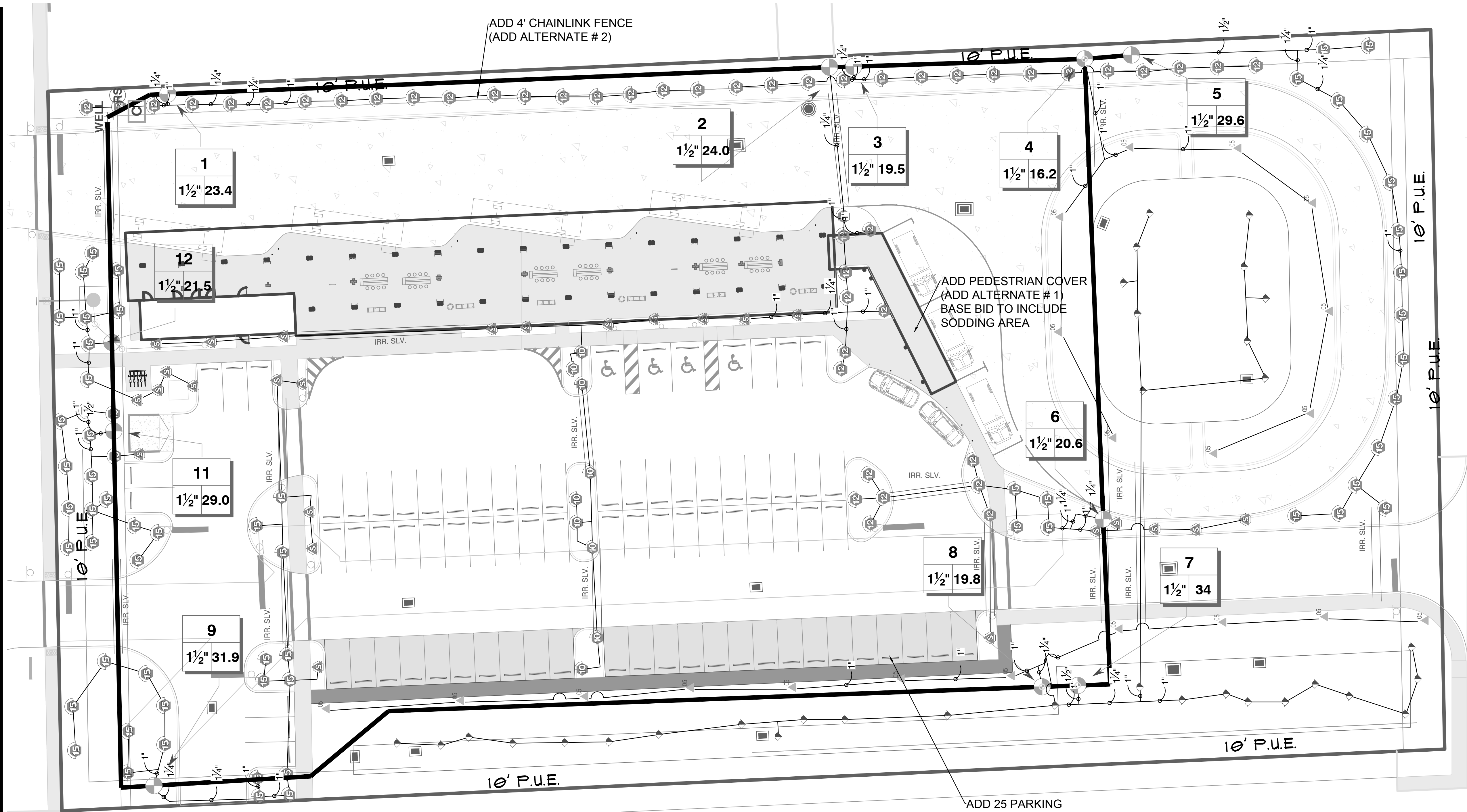
ISSUED DATE: JULY 1, 2022
REVISIONS:
NOV. 18, 2022 RAI RESPONSE
DEC. 12, 2022 90% CD'S
APRIL 17, 2023 100% CD'S

SHEET TITLE:

LANDSCAPE & IRRIGATION DETAILS

SHEET NUMBER

L 3.0



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC	GPM	RADIUS
●	Rain Bird 1806 15SST Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	26	SST	1.21	4'x30'
●	Rain Bird 1806 10H Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	3	180	0.79	10'
●	Rain Bird 1806 10Q Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	6	90	0.39	10'
●	Rain Bird 1806 12H Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	41	180	1.3	12'
●	Rain Bird 1806 12Q Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	7	90	0.65	12'
●	Rain Bird 1806 15H Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	51	180	1.85	15'
●	Rain Bird 1806 15Q Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	12	90	0.92	15'
●	Rain Bird 1800-1400 Flood 1404 Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2" FPT.	34	360	1	3'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	GPM	RADIUS
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▲	Hunter PGP-ADJ 05 Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle, Standard Angle Red Nozzle. Lower Precipitation Rate.	20	1.8	36'
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SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
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●	Rain Bird PESB 1-1/2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration, With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.
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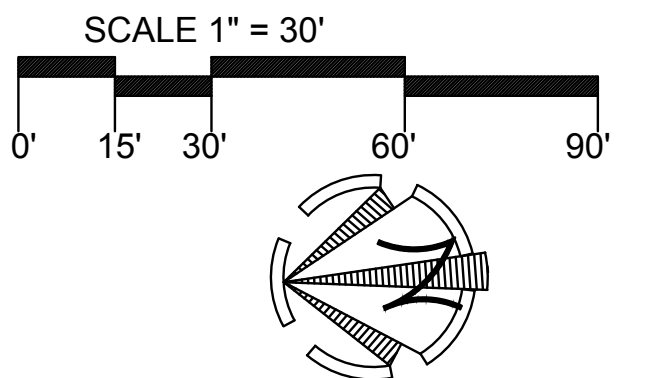
□	Rain Bird ESPLXME2P-LXMM 12 Station, Traditionally-Wired Commercial Controller w/ Factory Installed PRO Smart Module, Indoor/Outdoor, Plastic Wall-Mount Enclosure. Install in LXMM Powder Coated, Metal Wall-Mounted Cabinet.
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●	Rain Bird RSD-BEx Rain Sensor, with metal latching bracket, extension wire.
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WELL	IRRIGATION WELL PER SFWMD PERMIT 36-09968-W, 6" x 30" CASED TO 5' W/ SUBMERSIBLE PUMP 2 HP, 35 GPM 50 PSI
PUMP	Irrigation Lateral Line: PVC Class 200 SDR
21 1"	Irrigation Lateral Line: PVC Class 200 SDR
21 1 1/4"	Irrigation Lateral Line: PVC Class 200 SDR
21 1 1/2"	Irrigation Mainline: PVC Class 200 SDR 21
2"	Irrigation Mainline: PVC Class 200 SDR 21
2"	Irrigation Mainline: PVC Class 200 SDR 21
2"	Irrigation Mainline: PVC Class 200 SDR 21
2"	Pipe Sleeve: PVC Class 200 SDR 21

ALL IRRIGATION TO BE INSTALLED IN BASE BID

CODE IRRIGATION PLAN



GENERAL IRRIGATION NOTES

- 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.
- 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 rejection.
- All sprinkler heads shall be set perpendicular to finished grade unless otherwise specified.
- The irrigation contractor shall flush and adjust all sprinkler heads and valves for optimum coverage with minimal overspray onto walks, streets, walls, etc.
- Irrigation heads shall be a minimum of 12" from buildings.
- 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.
- 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.
- 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.

- All sprinkler equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
- 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 representative.
- 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.
- Contractor to provide the Owner with a complete irrigation design in compliance with Owners program.
- Irrigation system shall be designed for complete coverage of plant material and sports turf.
- 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.
- Any changes and/or modifications to the water source shall

require appropriate adjustments to the system design.

- The contractor shall be responsible for providing all County required permits. Water use permit shall be obtained by the County.
- Plan prepared for development order permitting only. Refer to Owners construction documents for complete irrigation system design.
- Irrigation water source shall be from a proposed irrigation well.
- 6" Irrigation well, water table aquifer, per SFWMD permit 36-09968-w by others.
- All code plantings to be irrigated.
- Irrigation manufacturers are listed to establish minimum performance standards. Substitutions must be authorized by Lee County.
- 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
0-10	3/4"	1-8	3/4"
11-16	1"	9-13	1"
17-26	1-1/4"	14-22	1-1/4"
27-36	1-1/2"	23-30	1-1/2"
37-55	2"	31-50	2"
56-80	2-1/2"	51-70	2-1/2"
81-110	3"	71-110	3"
111-190	4"	110-190	4"
191-420	6"	191-440	6"

Flows shall maintain velocities of
less than 5 feet per second



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PROJECT INFORMATION:

LEHIGH LEE
TRAN
PARK & RIDE
Lehigh Acres,
Florida

PREPARED FOR:

Facilities Construction
& Management

CONSULTANT:

DESIGN PROFESSIONAL:

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

PROJECT NO. 221017
PROJECT MGR. Greg Diserio
FILE NAME: LEHIGH PARK RIDE I.S.
DESIGNER: GJD
CAD TECH:
CHECKED BY:
ISSUED FOR:
90% CONSTRUCTION
DOCUMENTS

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

SHEET TITLE:
MASTER IRRIGATION
PLAN

SHEET NUMBER:
IR 1.0