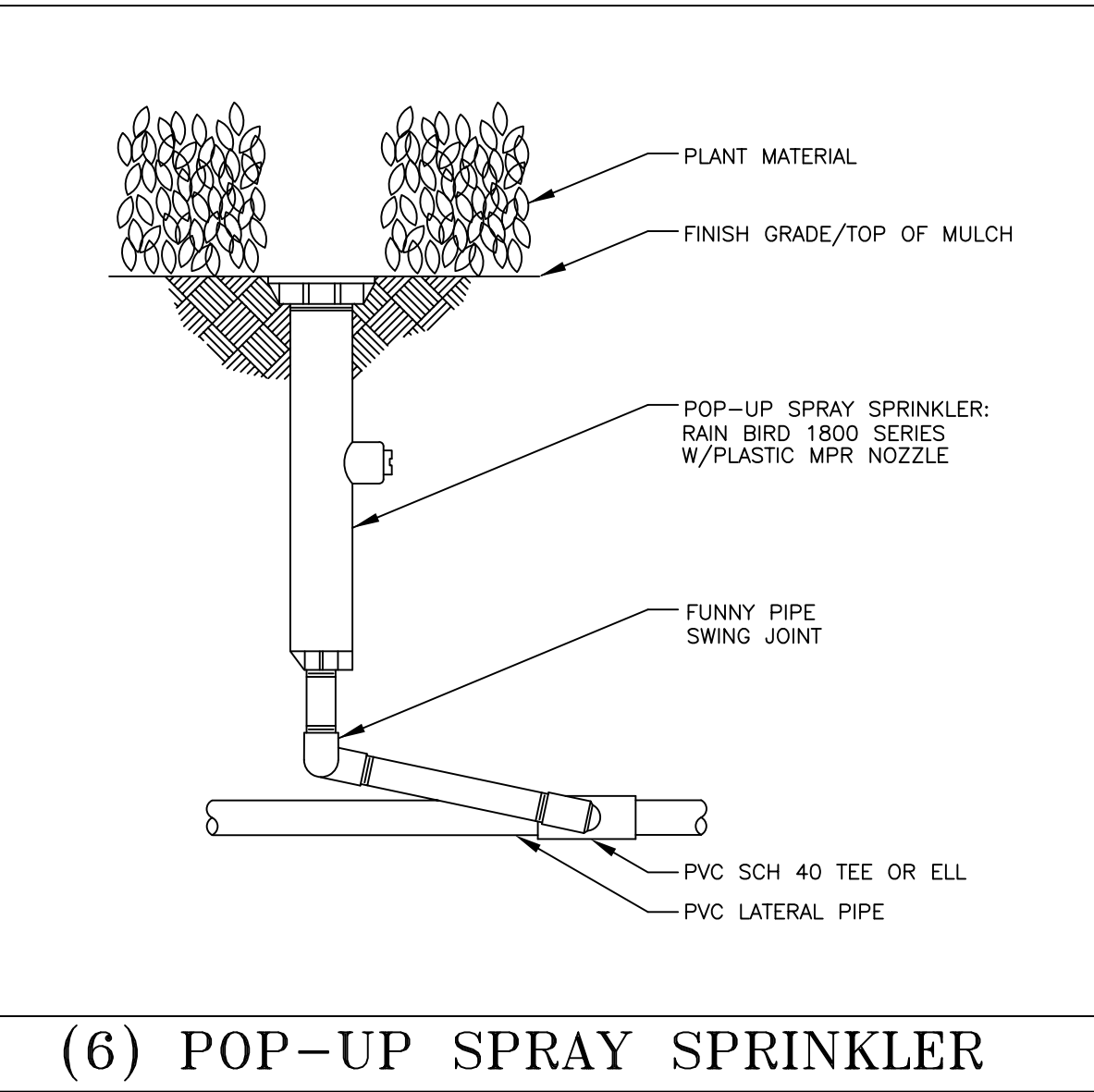
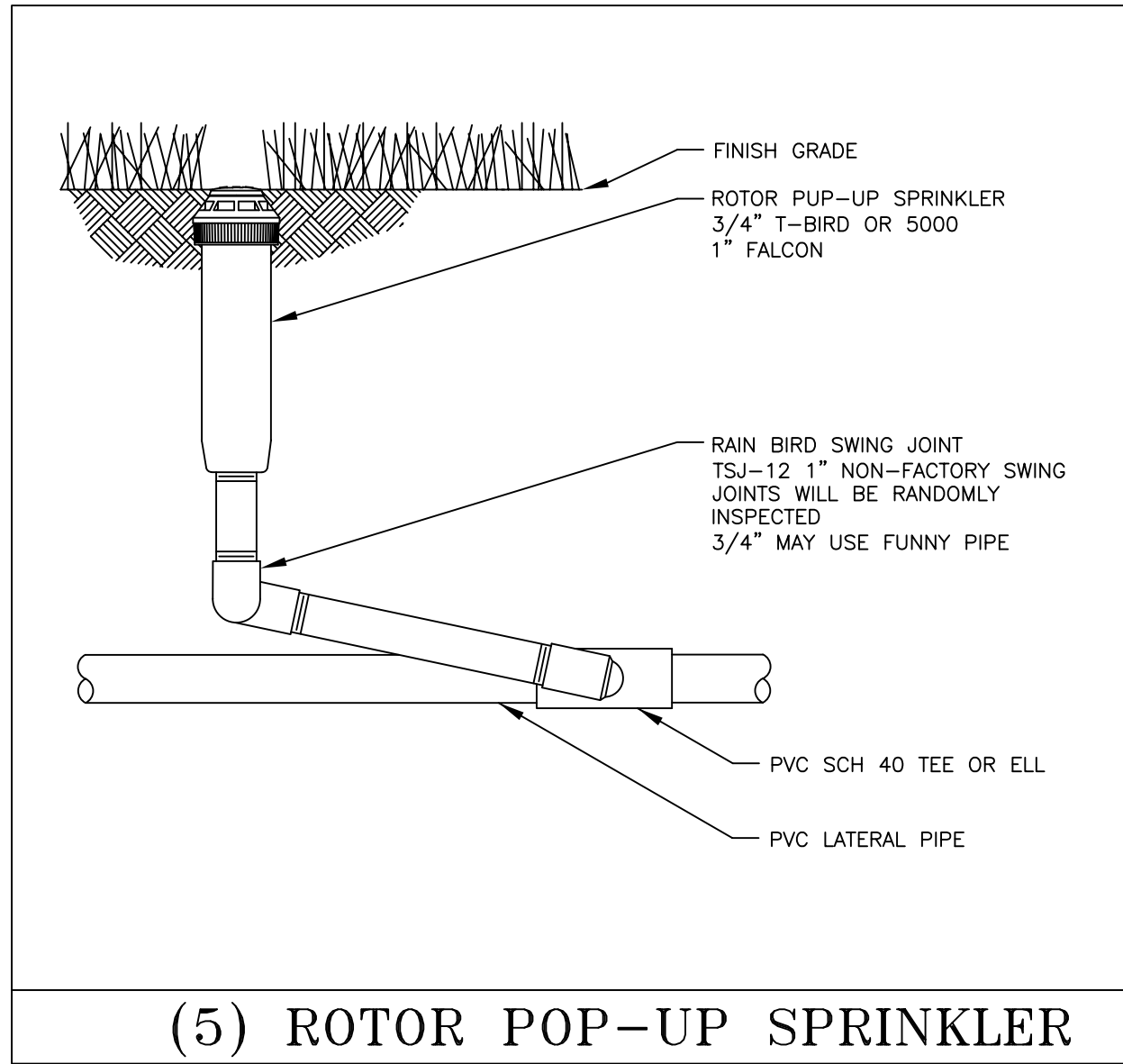
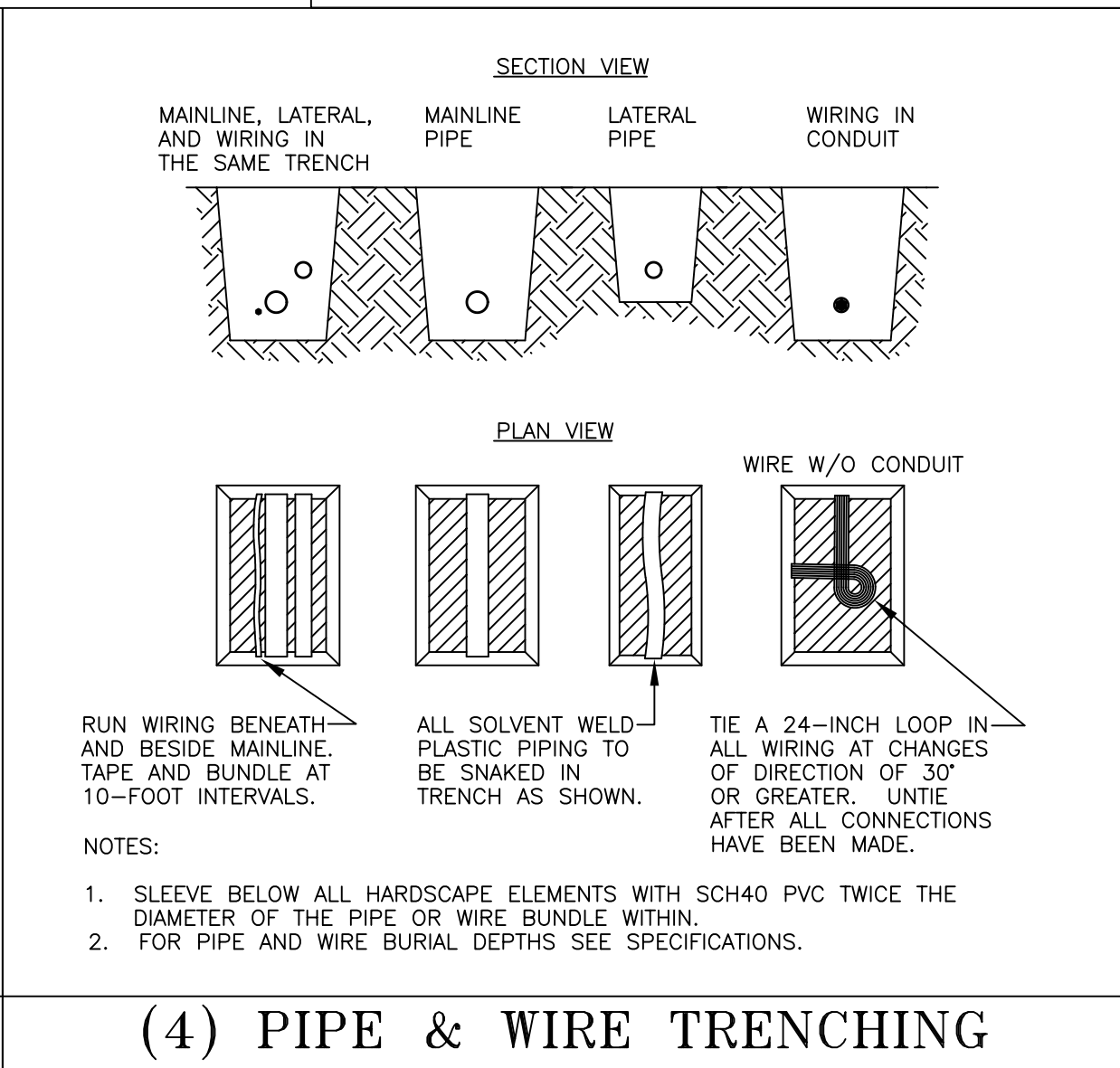
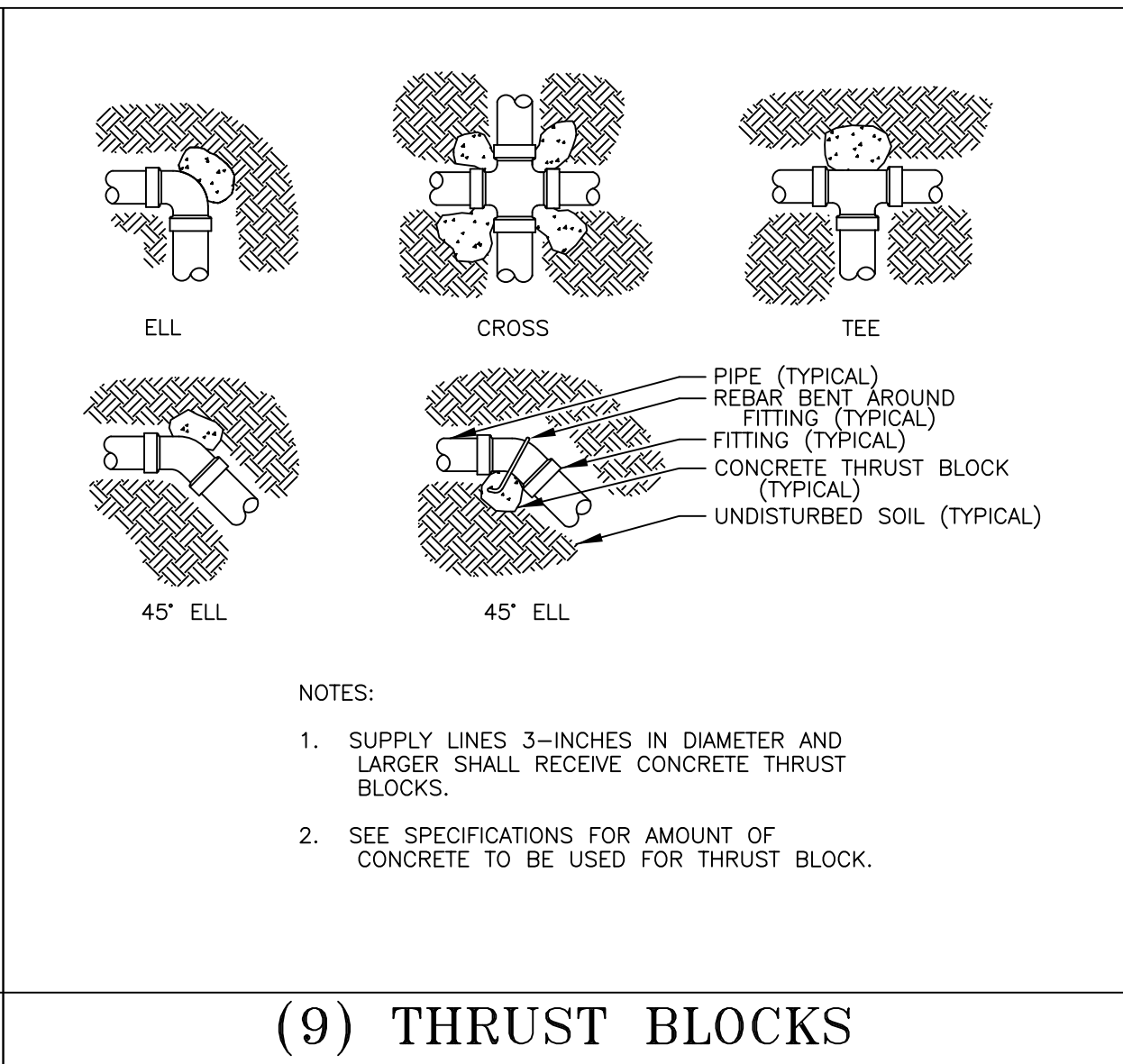
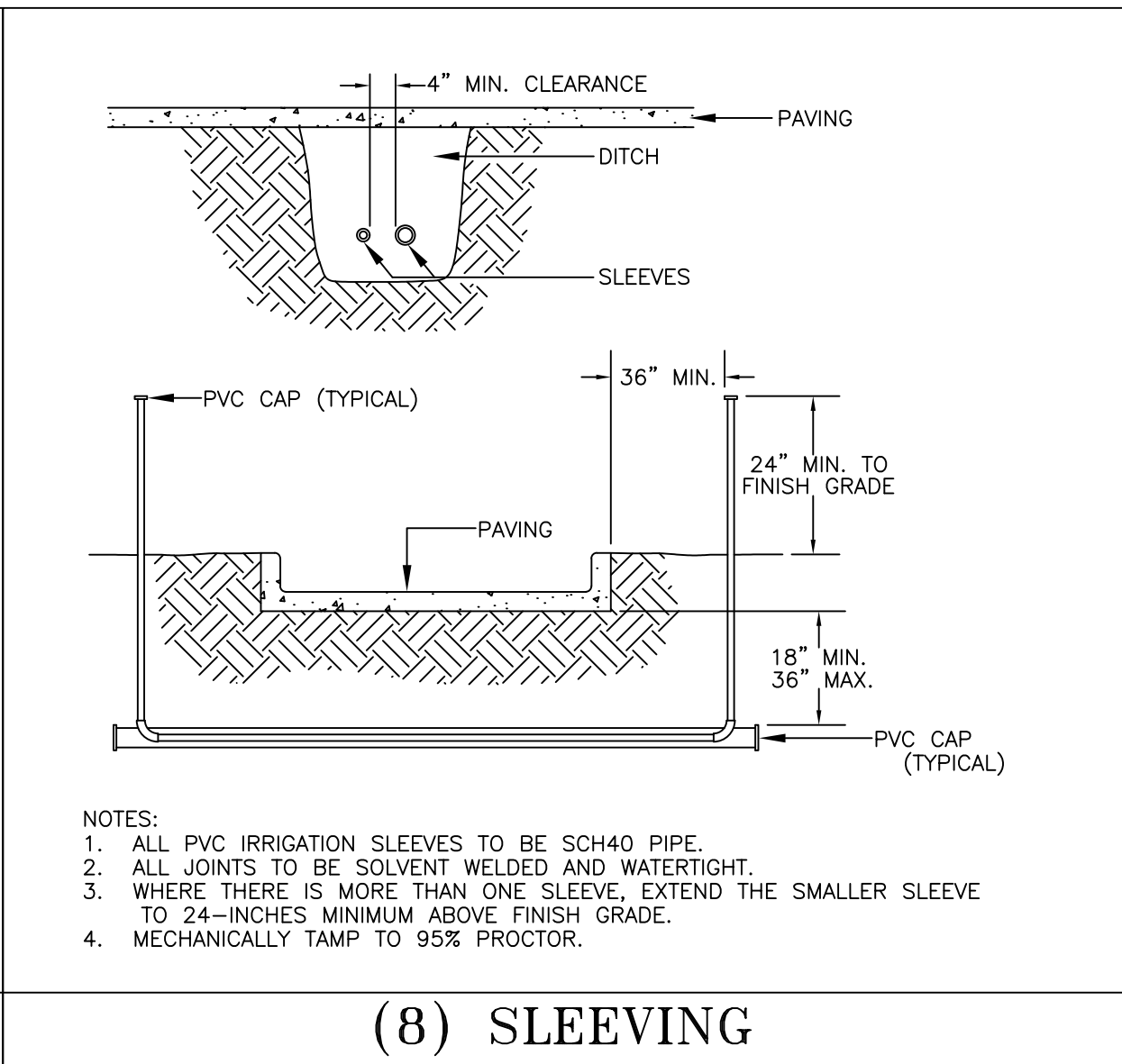


- CONTRACTOR MUST COMPLY WITH FLORIDA BUILDING CODE AMENDED APPENDIX F.
- NO PRODUCT SUBSTITUTIONS OR CHANGES WILL BE ALLOWED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE OWNER AND THE IRRIGATION CONSULTANT.
- GENERAL NOTES
- All mainline, lateral line and control wire conduit under paving shall be installed in separate sleeves. Sleeves shall be a minimum of twice (2X) the diameter of the pipe to be sleeved.
 - Pipe sizes shall conform to those shown on the drawings. No substitutions 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.
 - Install all backflow prevention devices and all piping between the point of connection and the backflow preventer as per local codes.
 - Final location of the backflow preventer and automatic controller shall be approved by the owner's authorized representative.
 - 120 VAC electrical power source at controller location shall be provided by others. The electrical contractor shall make the final connection from the electrical source to the controller.
 - All sprinkler heads shall be set perpendicular to finish grade unless otherwise specified.
 - The irrigation contractor shall flush and adjust all sprinkler heads and valves for optimum spray with minimal overspray onto walks, streets, walls, etc.
 - This design is diagrammatic. All piping, valves, etc., shown within paved areas is for design clarification only and shall be installed in planting areas wherever 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, retaining 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 willingly install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences 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 the owner's authorized 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 irrigation contractor shall install check valves on all heads in areas where finish grade exceeds 4:1, where post valve shut-off draining, of the irrigation head occurs or as directed by the owner's authorized representative.
 - The contractor shall provide 1800 PCS (pressure compensating screens) as necessary to reduce or eliminate overspray onto streets, walks or other areas as directed by the owner's authorized representative.
 - All remote control valves, gate valves, quick couplers, control wire and computer cable pull points shall be installed in approved valves boxes with covers. All shall be marked indicating controller and station numbers for control valve boxes and/or titled in the equipment legend with 1" white heat braided letters.
 - All control wires shall be installed in PVC conduit, min #14 AWG.
 - Installer is required to conduct final testing and adjustment to achieve design specification prior to completion of the system and acceptance by the owner or owner's representative.
 - Contractor to provide owner with post construction documentation, including as-built drawings, recommended maintenance schedules and activities, operational schedule, design precipitation rates, system adjusting methods for decreasing water once landscape is established, water source and shutoff method and all operational guides for controller.
 - A map of the system shall be kept in a readily available location with details for operation.
 - If the water supply for irrigation system is a well water, a constant pressure flow control device of pressure tank is required to minimize pump "cycling".
 - Check valves must be installed at irrigation heads as needed to prevent low head drainage and puddling.
 - Nozzle precipitation rates for all heads within each valve circuit must be matched to within 20% of one another.

IRRIGATION SCHEDULE		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird 1812 15 Strip Series	145
	Rain Bird 1812 10 Series MPR	60
	Rain Bird 1812 12 Series MPR	57
	Rain Bird 1812 15 Series MPR	15
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird 3504-PC 0.75	46
	Rain Bird 3504-PC 1.0	6
	Rain Bird 3504-PC 1.5	2
	Rain Bird 3504-PC 2.0	2
	Rain Bird 3504-PC 4.0	1
	Rain Bird 5004-PC, FC 6.0	1
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird PEB	12
	Rain Bird ESPMT2-6-120V	1
	Rain Bird RSD-CEX	1
	Rain Bird PUMP STATION: 2HP, 30 GPM, 45 PSI	1
	2" WELL	1
	Irrigation Lateral Line: PVC Class 160 SDR 26	4,459 l.f.
	Irrigation Mainline: PVC Schedule 40	1,763 l.f.
	Pipe Sleeve: PVC Schedule 40	82.7 l.f.
Valve Cutoff		
	Valve Number	
	Valve Flow	
	Valve Size	



(7) DEPTH OF COVERAGE		
Depth of coverage per Florida Building Code amended appendix F		
FOR NONTRAFFIC AND NONCULTIVATED AREAS:		
Pipe Diameter	Minimum depth of Cover	
1/2" through 1 1/4"	6" - 12"	
1 1/2" through 2"	12" - 18"	
2 1/2" through 3"	18" - 24"	
6" and larger	24" - 36"	
FOR VEHICLE TRAFFIC AREAS:		
Pipe Diameter	Minimum depth of Cover	
1/2" through 2 1/2"	18" - 24"	
3" through 5"	24" - 30"	
6" and larger	30" - 36"	



VALVE SCHEDULE								
NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
1	Rain Bird PEB	1-1/2"	Turf Rotor	19.73	119.1	33.8	33.8	0.64 in/h
2	Rain Bird PEB	1-1/2"	Shrub Spray	28.41	119.1	38.3	40.6	1.58 in/h
3	Rain Bird PEB	1-1/2"	Shrub Spray	28.22	332.8	36.2	41.1	1.24 in/h
4	Rain Bird PEB	1-1/2"	Shrub Spray	26.25	475.7	36.2	41.1	1.25 in/h
5	Rain Bird PEB	1-1/2"	Shrub Spray	27.91	624.2	36.3	41.7	1.45 in/h
6	Rain Bird PEB	1-1/2"	Shrub Spray	27.24	794.6	36.4	41.3	1.47 in/h
7	Rain Bird PEB	1-1/2"	Shrub Spray	26.56	686.3	37.7	42.7	1.26 in/h
8	Rain Bird PEB	1-1/2"	Shrub Spray	26.02	854.3	36.9	42.5	1.46 in/h
9	Rain Bird PEB	1-1/2"	Shrub Spray	27.54	922.6	37.6	44.2	1.48 in/h
10	Rain Bird PEB	1-1/2"	Shrub Spray	27.09	625.1	35.9	41.2	1.45 in/h
11	Rain Bird PEB	1-1/2"	Shrub Spray	25.18	498.3	35.9	40.2	1.59 in/h
12	Rain Bird PEB	1-1/2"	Turf Rotor	22.85	480.5	33.5	37.0	0.6 in/h
	Common Wire				1,763			

WATERING SCHEDULE							
NUMBER	MODEL	TYPE	PRECIP	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	Rain Bird PEB	Turf Rotor	0.64 in/h	1.5	140	2,762	921
2	Rain Bird PEB	Shrub Spray	1.58 in/h	1	38	1,080	360
3	Rain Bird PEB	Shrub Spray	1.24 in/h	1	49	1,383	461
4	Rain Bird PEB	Shrub Spray	1.25 in/h	1	48	1,260	420
5	Rain Bird PEB	Shrub Spray	1.45 in/h	1	42	1,172	391
6	Rain Bird PEB	Shrub Spray	1.47 in/h	1	41	1,117	372
7	Rain Bird PEB	Shrub Spray	1.26 in/h	1	48	1,275	425
8	Rain Bird PEB	Shrub Spray	1.46 in/h	1	42	1,093	364
9	Rain Bird PEB	Shrub Spray	1.48 in/h	1	41	1,129	376
10	Rain Bird PEB	Shrub Spray	1.45 in/h	1	42	1,138	379
11	Rain Bird PEB	Shrub Spray	1.59 in/h	1	38	957	319
12	Rain Bird PEB	Turf Rotor	0.6 in/h	1.5	151	3,450	1,150
		TOTALS:			720	17,815	5,938