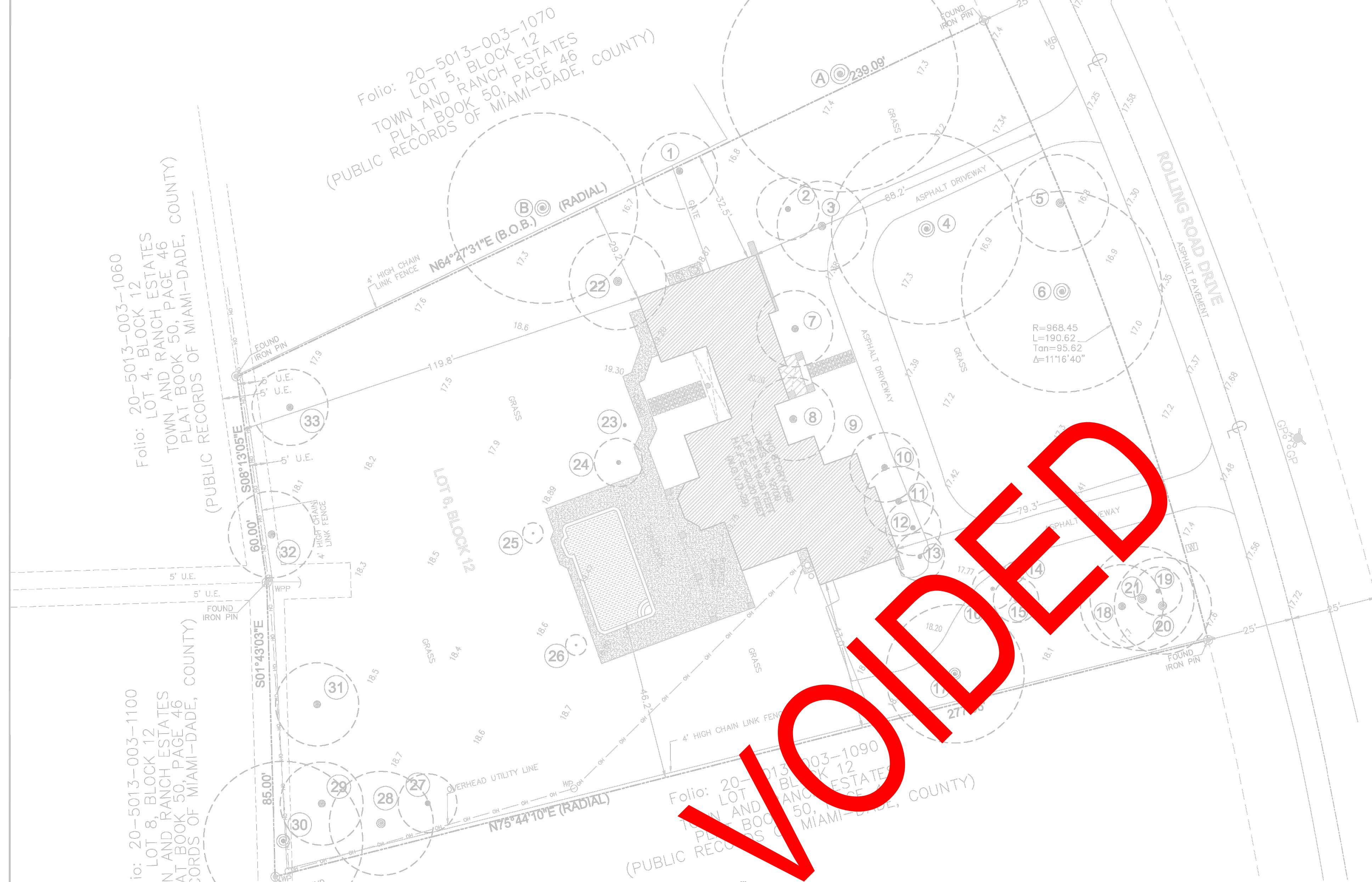




TAG	COMMON NAME	SCIENTIFIC NAME	SIZE	QTY	NATIVE	DROUGH TOLERANCE	LOW MAINT.
SHRUBS							
TP	Traveler palm	<i>Ravenala madagascariensis</i>	45 gal. 8' ht	4	NO	NO	YES
PS	Philodendron selloum	<i>Thaumatococcus bipinnatifidum</i>	7 gal.	48	NO	YES	YES
SC	Swiss cheese plant	<i>Monstera deliciosa</i>	7 gal.	51	NO	NO	NO
WC	Wild coffee	<i>Psychotria nervosa</i>	7 gal. 36"	19	YES	YES	YES
ST	Spanish Stopper	<i>Eugenia foetida</i>	7 gal. 36"	12	YES	YES	YES
PD	Podocarpus	<i>Podocarpus macrophyllus</i>	7 gal. 36"	110	NO	YES	YES
CK	Cordylina 'Kiwi'	<i>Cordylina fruticosa</i> 'Kiwi'	7 gal.	15	NO	NO	YES
CK	Cordylina 'Xerox'	<i>Cordylina fruticosa</i> 'Xerox'	7 gal.	20	NO	NO	YES
CR	Cordylina 'Red sister'	<i>Cordylina fruticosa</i> 'Red sister'	7 gal.	33	NO	NO	YES
FK	Fakahatchee grass	<i>Tripsacum dactyloides</i>	7 gal.	4	YES	YES	YES
FG	Florida gamma grass	<i>Tripsacum floridana</i>	7 gal.	9	YES	YES	YES
CO	Red tip coccoplum	<i>Chrysobalanus icaco</i>	7 gal. 36" ht	35	YES	YES	YES
BA	Alcantarea bromeliad	<i>Alcantarea 'Odorata'</i>	7 gal.	5	NO	YES	YES
AG	Soft tip agave	<i>Agave attenuata</i>	7 gal.	2	NO	YES	YES
GF	Green island ficus	<i>Ficus microcarpa</i> 'Green Island'	3 gal.	56	NO	YES	YES
GP	Gold capella	<i>Schefflera arboricola</i> 'Gold capella'	7 gal.	16	NO	YES	YES
DO	Giant Dion	<i>Dioon spinulosum</i>	25 gal.	3	NO	YES	YES
DF	Encephalartos ferox	<i>Encephalartos ferox</i>	25 gal.	1	NO	YES	YES
OB	Orange bird of paradise	<i>Strelitzia reginae</i>	7 gal.	14	NO	YES	YES
SB	Starburst Clerodendrum	<i>Clerodendrum quadrilobulare</i>	15 gal.	14	NO	YES	YES
CE	Green buttonwood	<i>Conocarpus erectus</i>	7 gal.	19	YES	YES	YES
CL	Clusia	<i>Clusia guttifer</i>	7 gal.	66	NO	YES	YES
TOTAL				556	98	433	505
GROUNDCOVERS							
AJ	Asiatic jasmine	<i>Trachelospermum asiaticum</i>	1 gal. @12"	260	NO	YES	YES
FF	Fishtail Fern	<i>Nephrolepis falcata</i>	3 gal. @18"	100	YES	YES	YES
WF	Wart fern	<i>Microsorium scolopendria</i>	1 gal. @12"	210	NO	NO	NO
JU	Juniperus chinensis 'Parsonii'	<i>Juniperus chinensis 'Parsonii'</i>	3 gal. @12"	235	NO	YES	YES
PJ	Pinwheel jasmine	<i>Tabernaemontana divaricata</i>	3 gal. @18"	170	NO	YES	YES
PP	Perennial peanut	<i>Arachis glabrata</i>	1 gal. @12"	190	NO	YES	YES
FX	Foxtail fern	<i>Asparagus densiflorus 'Myers'</i>	3 gal. @18"	11	NO	YES	YES
BU	Philodendron 'Burlle Marx'	<i>Philodendron burlle-marxii</i>	3 gal. @18"	35	NO	YES	YES
LI	Liriope	<i>Liriope muscaris</i>	3 gal.	59	NO	NO	YES
RC	Philodendron 'rojo Congo'	<i>Philodendron 'rojo Congo'</i>	3 gal.	12	NO	YES	YES
AF	Giant african lily	<i>Agapanthus orientalis</i>	3 gal.	28	NO	NO	YES
GO	Ground orchids	<i>Spathoglottis ssp.</i>	4 gal.	10	NO	NO	NO
FL	Flax lily	<i>Dianella tasmanica</i>	3 gal.	30	NO	YES	YES
TOTAL				1350	100	1043	1130
MISC							
-	Empire Zoyaia		SF	20,000	NO	YES	YES
-	Boulders (apprx 2'x3') dark color		Units	8	-	-	-
-	Pine bark mulch		SF	250	-	-	-
-	Brown mulch		SF	3,000	-	-	-

[illegible]

TREE #	COMMON NAME	SCIENTIFIC NAME	HT	DBH	SP	NATIVE	CONDITION	DISPOSITION	TYPE	SPECIMEN
			(ft)	(in)	(ft)					
34	Alexander palm	<i>Archontophoenix alexandrae</i>	4	20	5	NO	FAIR	REMAIN	PALM	NO
35	Black olive	<i>Bucida buceras</i>	38	35	45	YES	FAIR	REMAIN	TREE	YES
36	Black olive	<i>Bucida buceras</i>	29	35	45	YES	FAIR	REMAIN	TREE	YES
37	Live oak	<i>Quercus virginiana</i>	28	30	50	YES	FAIR	REMAIN	TREE	YES



SCALE: 1/16"=1'-0"

ZONING:	EU-1		
LOT AREA:	38,768 SF (0.89 AC)		
Number of trees req. per acre of net lot area (18 X 0.89):		REQUIRED	PROVIDED
Palms as lot trees (2 palms:1 tree) 30% max:		16	26
Native trees 30%:		10:5	44
Min. Energy conservation zone trees:		5	22
		3	5
Street trees @ 30' (190.62' / 30'):		6	6
Palms as street trees (2 palms:1 tree) 30% max:		4:2	0
Shrubs required 10 x req. lot tree:		160	556
Native shrubs 30% req. shrubs:		48	98

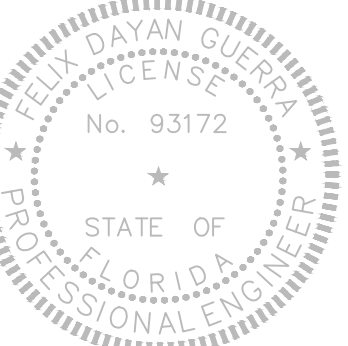
OWNER:
12700 ROLLING, LLC.
8879 SW 131st ST
MIAMI, FL. 33176

JOB TITLE:
NEW SINGLE FAMILY
RESIDENCE
12700 ROLLING ROAD DR.
PINECREST, FL 33156

SHEET TITLE:

LANDSCAPE PLAN

LANDSCAPE CONSULTANT:



ARCHITECTURE + STRUCTURE

FELIX DAYAN GUERRA

16287 SW 97th ST.
MIAMI, FL. 33196
(561) 229-2618 PE 93172

M + E + P ENGINEERS

RICARDO PEREZ

19570 W 84TH AVE.
MIAMI, FL. 33015
(786) 308-9857 PE 58728

REVISIONS:

1	2025.04.24 CITY COMMENTS
2	2025.07.14 CITY COMMENTS

12700

SHEET:

ORIGINAL ISSUE DATE: 12-26-2024
PLOT DATE: 2025-09-10

Irrigation Notes

LAYOUT

LAYOUT IRRIGATION SYSTEM MAINLINES AND LATERAL LINES. MAKE ALL NECESSARY ADJUSTMENTS AS REQUIRED TO TAKE INTO ACCOUNT ALL SITE OBSTRUCTIONS AND LIMITATIONS PRIOR TO EXCAVATING TRENCHES. FLAG ALL SPRINKLER HEAD LOCATIONS. ADJUST LOCATION AND MAKE THE NECESSARY MODIFICATIONS TO NOZZLE TYPES ETC. AS REQUIRED TO INSURE 100% COVERAGE AND 50% OVERLAP. LOW ANGLE TRAJECTORY NOZZLES SHALL BE USED WHEN ALL SPRINKLERS AND ROTORS ARE LOCATED WITHIN 100' OF POOLS OR PUBLIC GATHERING AREAS.

PIPE

PIPE LOCATIONS SHOWN ON PLAN ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED IN THE FIELD. WHEN LAYING-OUT MAINS AND LATERALS, LOCATE PIPE NEAR EDGES OF PAVEMENT OR AGAINST BUILDINGS WHEREVER POSSIBLE TO ALLOW SPACE FOR PLANT ROOT BALLS. PIPING UNDER HARDSCAPES SUCH AS ROADS, WALKS, AND PATIOS ARE TO BE SLEEVED USING SCH. 40 PIPE. ALL PIPES TO BE IN ACCORDANCE WITH APPENDIX F OF THE 2017 FLORIDA BUILDING CODE. PIPES 4" AND UNDER TO BE SOLVENT WELD. LARGER PIPES TO BE GASKETED 'O' RING PIPES AND USE THRUST BLOCKS OR MEGA LUGS AND DUCTILE IRON FITTINGS AT TURNING LOCATIONS. *SIZE ALL PIPE SO NOT TO EXCEED 5' PER SECOND *INSTALL RAIN SENSOR AS PER LOCAL CODE PIPES CONVEYING RECLAIM WATER SHALL HAVE A 3' HORIZONTAL DISTANCE SEPARATION FROM OTHER PIPING OR UTILITY SERVICES. AN 18" VERTICAL SEPARATION SHALL BE MAINTAINED WHEN APPLICABLE. AIR RELEASE VALVES TO BE USED AT THE END OF ALL MAINLINE RUNS.

WIRES

LOW VOLTAGE WIRE TO BE INSTALLED ALONG MAINLINE INSTALLATION. USE 2" SCH. 40 PVC WITH SWEEP ELBOWS AT TURNING LOCATIONS WHEN SLEEVEING IS REQUIRED. ALL SPLICES SHALL BE ENCLOSED WITHIN A VALVE/SPLICE BOX. WIRE SIZED AND COLORED AS FOLLOWS:
#12 WHITE FOR COMMON
#12 SPARE BLACK COMMON (1 SPARE NEEDED PER 10 HOT WIRES)
#14 RED HOT WIRES
#14 SPARE YELLOW HOT WIRE (1 SPARES NEEDED PER 10 HOT WIRES, 3 SPARE MINIMUM)
WHEN WIRE RUNS EXCEEDS 3,500 LINEAR FEET, USE #10 FOR COMMON WIRES AND #12 FOR HOT/SPARE WIRES. ALL IRRIGATION CONTROLLERS TO BE PROPERLY GROUNDED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS

FLUSHING

PRIOR TO PLACEMENT OF HEADS FLUSH ALL LINES UNTIL LINES ARE COMPLETELY CLEAN OF DEBRIS.

TRENCHING

TRENCH BOTTOM TO BE UNIFORM AND FREE OF DEBRIS. NATIVE EXCAVATED MATERIAL USED TO BACKFILL TRENCH SHALL BE FREE FROM ROCKS OR STONES LARGER THAN 1" IN DIAMETER.

MISC.

PRESSURE TEST MAINLINE AS PER FLORIDA BUILDING CODE. INSTALL IRRIGATION SYSTEM AS PER LATEST EDITION OF THE FLORIDA BUILDING CODE, APPENDIX F., AND ALL PERTINENT LOCAL CODES. SPRAY HEADS INSTALLED IN SHRUB AREAS TO BE 12 INCH POP-UPS OR INSTALLED ON RISERS.

DESIGN

THIS DESIGN IS DIAGRAMMATIC. ALL IRRIGATION EQUIPMENT SUCH AS PIPES, VALVES, , ETC., SHOWN WITHIN PERVIOUS AREAS ARE FOR DESIGN CLARIFICATION ONLY. THE IRRIGATION CONTRACTOR SHALL INSTALL IRRIGATION EQUIPMENT IN PLANTING AREAS WHEREVER POSSIBLE.

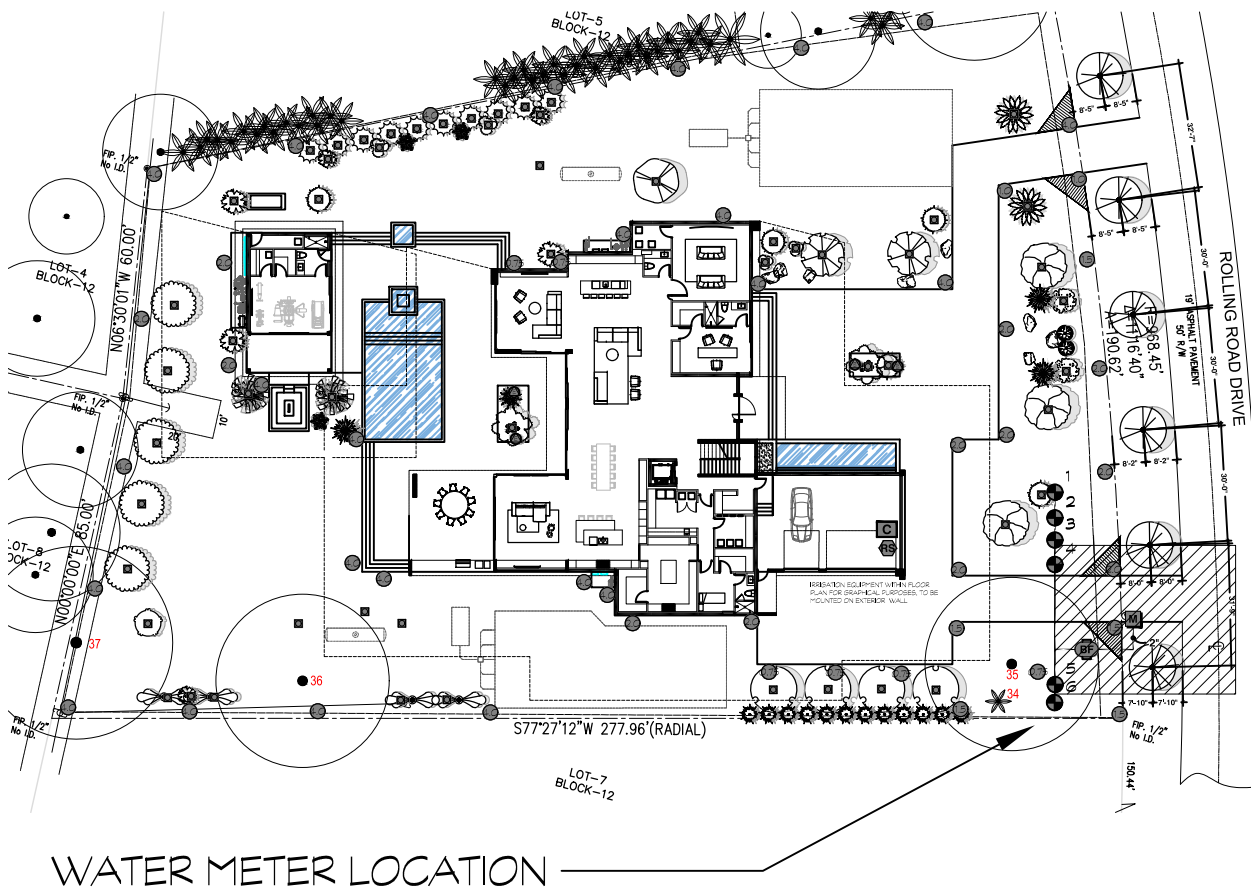
THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK, INCLUDING BUT NOT LIMITED TO GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, UTILITIES AND EXISTING IRRIGATION EQUIPMENT. THE IRRIGATION CONTRACTOR IS RESPONSIBLE SHALL REPAIR AND/OR REPLACE ANY DAMAGE CREATED BY THEIR WORK. THEY SHALL COORDINATE HIS WORK WITH OTHER CONTRACTOR OR MUNICIPAL AUTHORITIES FOR THE LOCATION AND INSTALLATION OF IRRIGATION EQUIPMENT UNDER ROADWAYS AND PAVING, SLEEVES THROUGH WALLS AND FLOORS, ETC. INSTALL ALL IRRIGATION EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. SUBSTITUTIONS FOR IRRIGATION EQUIPMENT TO BE APPROVED BY THE IRRIGATION DESIGNER. EQUIPMENT CHANGES TO INCLUDE BUT NOT LIMITED TO PUMP, CONTROLLER, SPRAY HEADS, ROTORS, AND VALVES. DO NOT INSTALL IRRIGATION EQUIPMENT AS SHOWN ON THE DRAWINGS WHEN FIELD CONDITIONS DIFFER. OBSTRUCTIONS OR DIFFERENCES TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR TO ASSUME FULL RESPONSIBILITY.

ELECTRIC

POWER TO BE PROVIDED TO THE CONTROLLER BY ELECTRICIAN.

IRRIGATION AUDIT PROCEDURE

- INSPECT EVERY IRRIGATION ZONE AND A WRITTEN REPORT SHALL BE GENERATED DESCRIBING PROBLEMS. THE REPORT SHALL INCLUDE A LIST OF EACH ZONE INSPECTED. USE THE FOLLOWING LIST TO ASSIST IN THE REPORT.
 - TURN OFF EACH ZONE FROM THE CONTROLLER (WHEN POSSIBLE) TO VERIFY AUTOMATIC OPERATION. FOR BATTERY OPERATED ZONES, TURN ZONES ON AT BATTERY CONTROLLERS.
 - CHECK REMOTE CONTROL VALVES TO ENSURE PROPER OPERATION.
 - CHECK SETTING ON PRESSURE REGULATOR TO ENSURE PROPER SETTING.
 - CHECK FLOW CONTROL AND ADJUST AS NEEDED. ENSURE VALVE IS CLOSED WITHIN 10-15 SECONDS AFTER VALVE HAS BEEN TURNED OFF.
 - CHECK FOR LEAKS IN MAINLINE, LATERAL LINES, VALVES AND HEADS.
 - CHECK SPRAY HEADS AND ROTORS TO ENSURE PROPER OPERATION. (e.g. LEAKS, POP-UP HEIGHT, PROPER PATTERN, AND PROPER ALIGNMENT.)
- CHECK PUMP STATION FOR PROPER OPERATION, WATER VOLUME, FLOW RATE, PRESSURE AND PUMP CAPABILITIES.
- INSPECT ALL FILTERS.
- CHECK THE CONTROLLER FOR PROPER GROUNDING.
- CHECK RAIN SHUT-OFF DEVICE FOR PROPER OPERATION.
- INSPECT ALL VALVE BOXES AND COVERS TO ENSURE GOOD CONDITION.
- CONDUCT ANY ADDITIONAL INSPECTIONS IF NECESSARY.



WATER METER LOCATION

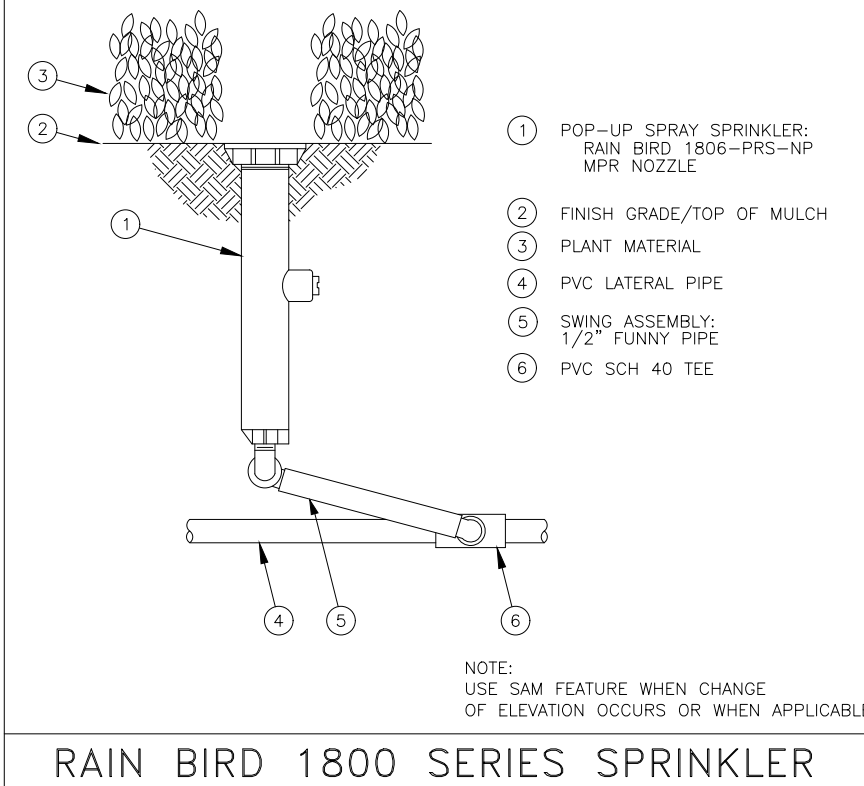
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1806 15 Sprig Series Shrub Spray 6.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet, 1/2in. NPT Female Threaded Inlet.	4	30
	Rain Bird 1804-1400 Flood Flood Bubbler 4.0in. pop-up, install w/ PA-80 adapter.	57	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 3500-S-PC-SAM 0.75 Shrub Rotor, Fixed Riser, Adjustable and Full Circle. With Seal-A-Matic Check Valve.	6	35
	Rain Bird 3500-S-PC-SAM 1.0 Shrub Rotor, Fixed Riser, Adjustable and Full Circle. With Seal-A-Matic Check Valve.	2	35
	Rain Bird 3500-S-PC-SAM 1.5 Shrub Rotor, Fixed Riser, Adjustable and Full Circle. With Seal-A-Matic Check Valve.	5	35
	Rain Bird 3500-S-PC-SAM 2.0 Shrub Rotor, Fixed Riser, Adjustable and Full Circle. With Seal-A-Matic Check Valve.	12	35
	Rain Bird 3500-S-PC-SAM 4.0 Shrub Rotor, Fixed Riser, Adjustable and Full Circle. With Seal-A-Matic Check Valve.	25	35
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PGA Angle 1-1/2 1in., 1-1/2in., 2in. Electric Remote Control Valve, Angle.	5	
	Rain Bird PGA Angle 1 1in., 1-1/2in., 2in. Electric Remote Control Valve, Angle.	1	
	Zurn 950XL 1-1/2 Double Check Valve Assembly	1	
	Rain Bird ESP4ME3 with (1) ESP-SM3 7-Station Hybrid Modular Outdoor Controller, For Residential or Light Commercial Use. LNK W/FI Module and Flow Sensor Ready.	1	
	Rain Bird RSD-BE Rain Sensor, with metal latching bracket, extension wire.	1	
	Water Meter 1-1/2 WATER METER TO BE VERIFIED ON SITE	1	
	Irrigation Lateral Line: PVC Schedule 40 1/2	1,341 f	
	Irrigation Lateral Line: PVC Schedule 40 3/4	156.7 f	
	Irrigation Lateral Line: PVC Schedule 40 1	417.5 f	
	Irrigation Lateral Line: PVC Schedule 40 1 1/4	489.8 f	
	Irrigation Lateral Line: PVC Schedule 40 1 1/2	192.4 f	
	Irrigation Lateral Line: PVC Schedule 40 2	446.2 f	
	Irrigation Mainline: PVC Schedule 40 2	82.9 f	
	Pipe Sleeve: PVC Class 200 SDR 21 2	202.6 f	
	Pipe Sleeve: PVC Class 200 SDR 21 3	27.4 f	
	Valve Colour		
	Valve Number		
	Valve Flow		
	Valve Size		
	CALL 48 HOURS BEFORE YOU DID IN FLORIDA IT'S THE LAW SUNSHINE STATE ONE CALL OF FLORIDA, INC.		

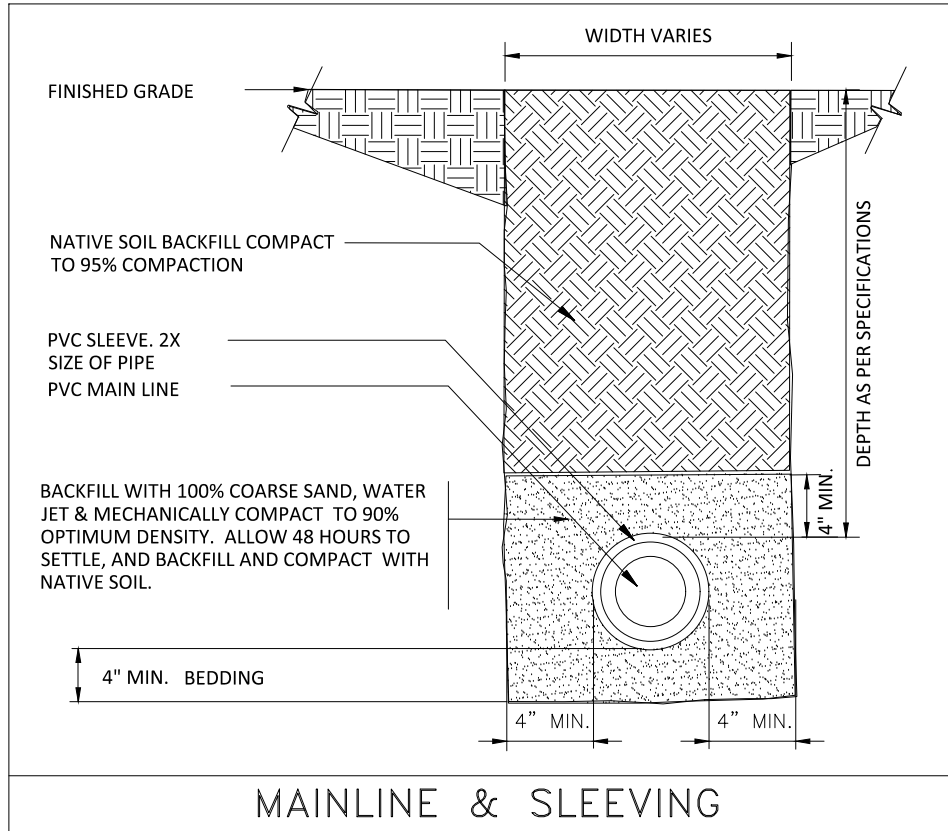
IRRIGATION NOTES:

- MAINLINE AND VALES DRAWN OUTSIDE PROPERTY LINE FOR GRAPHICAL PURPOSES. MAINLINE AND VALVES TO BE INSTALLED WITH LANDSCAPING
- EQUIPMENT DRAWN WITHIN FLOOR PLAN FOR GRAPHICAL PURPOSES.
- IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE
- IRRIGATION PLAN IS DIAGRAMMATIC; INSTALL VALVES AND IRRIGATION LINES WHENEVER POSSIBLE.
- IRRIGATION DESIGN TO BE TIED INTO EXISTING IRRIGATION SYSTEM AND USE EQUIPMENT ON SITE.
- IRRIGATION DESIGN IS BASED ON A MAXIMUM DEMAND OF GPM WITH A MINIMUM OPERATING PRESSURE OF PSI. LANDSCAPE CONTRACTOR SHALL TEST AND VERIFY PRESSURE AND FLOW PRIOR TO STARTING JOB AND NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF WATER AND PRESSURE FLOWS DO NOT MEET THESE MINIMUM REQUIREMENTS.

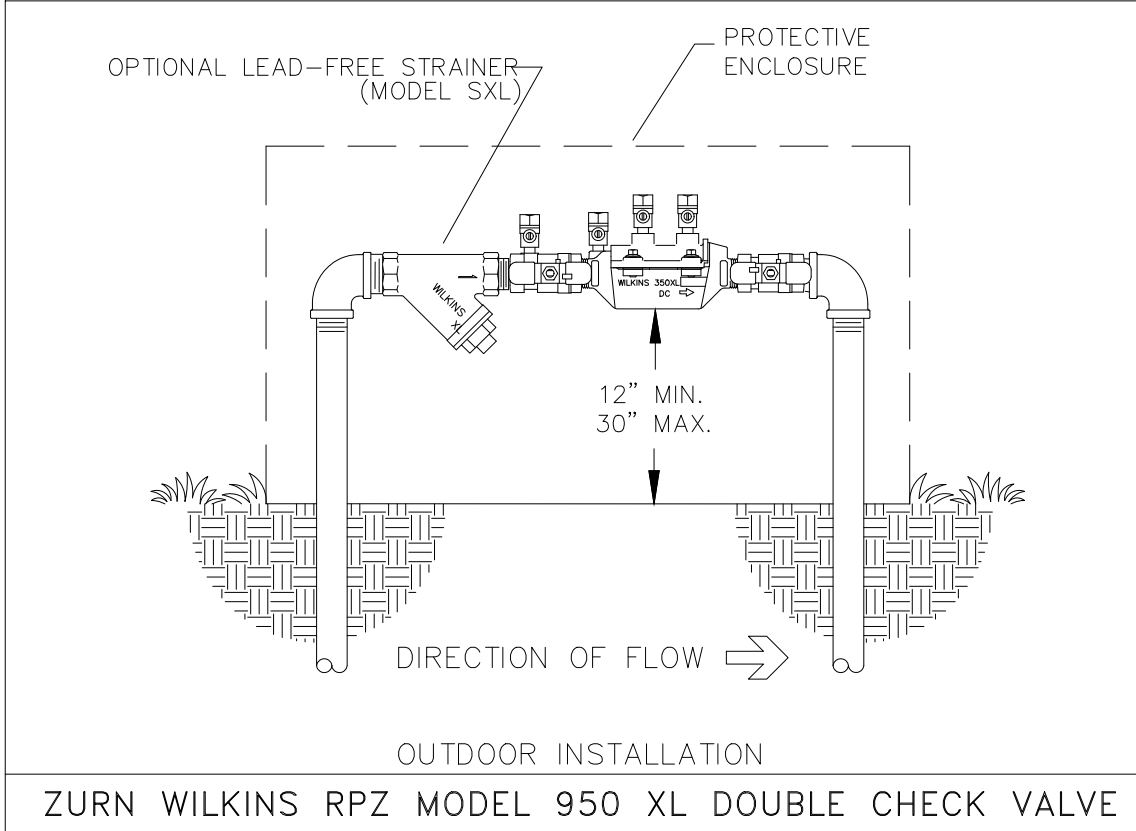
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Date: 2025.09.24 16:06:32 -0400
Adobe Acrobat version: 2025.001.20693



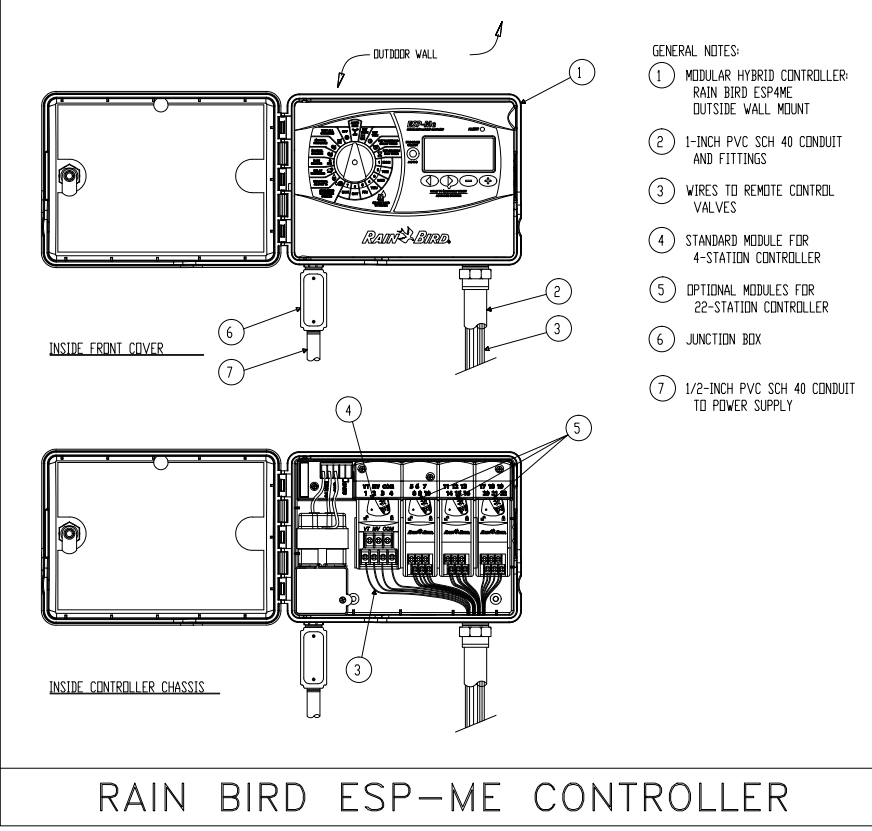
RAIN BIRD 1800 SERIES SPRINKLER



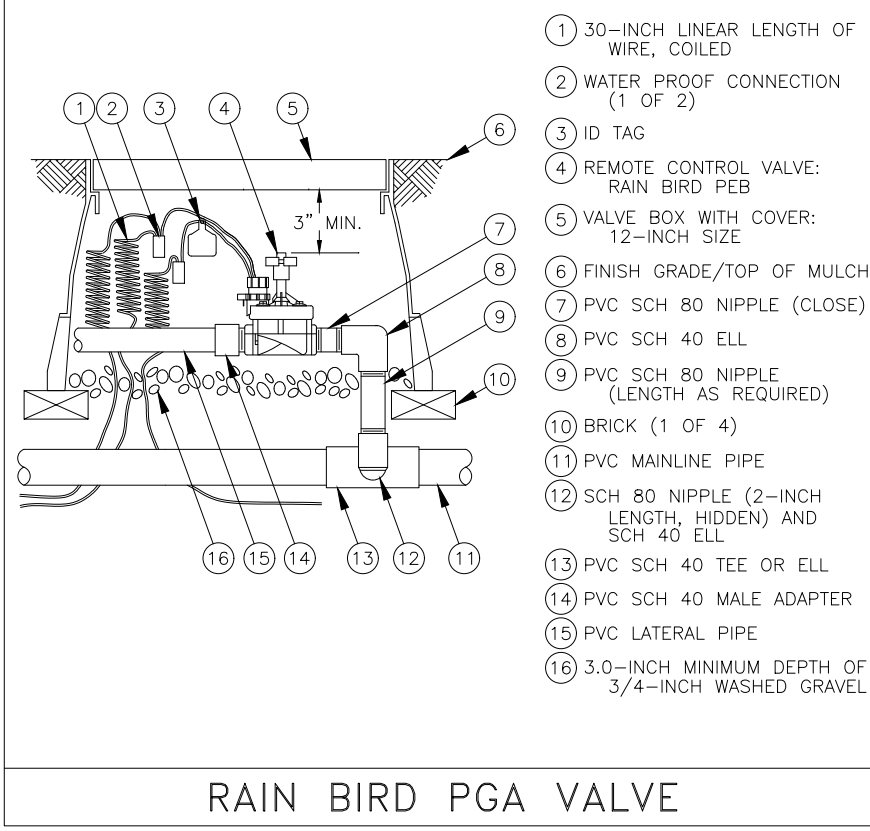
MAINLINE & SLEEVEING



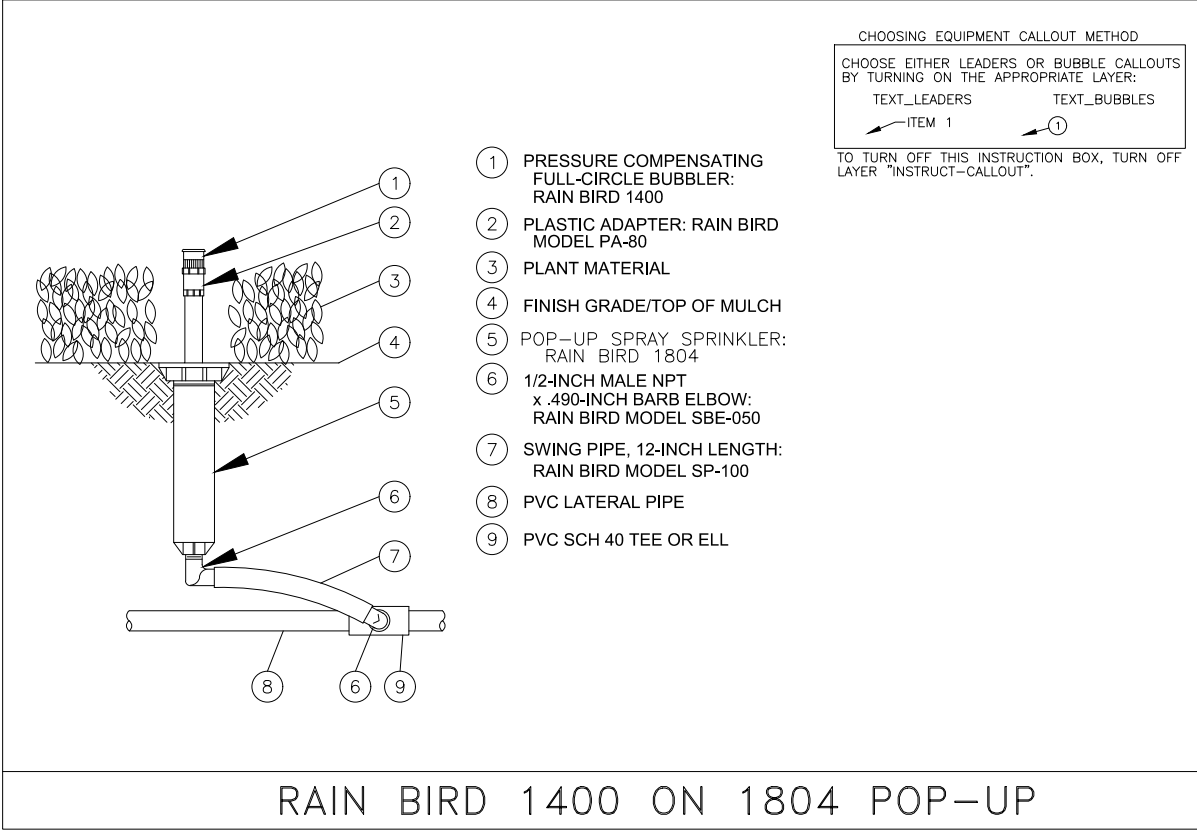
OUTDOOR INSTALLATION
ZURN WILKINS RPZ MODEL 950 XL DOUBLE CHECK VALVE



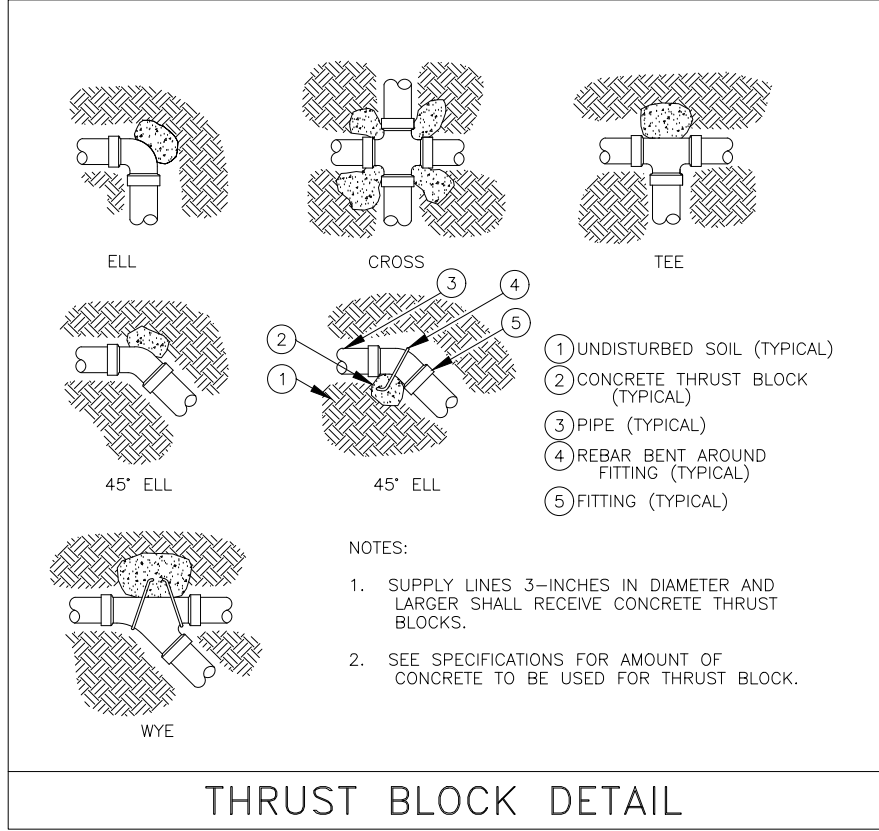
RAIN BIRD ESP-ME CONTROLLER



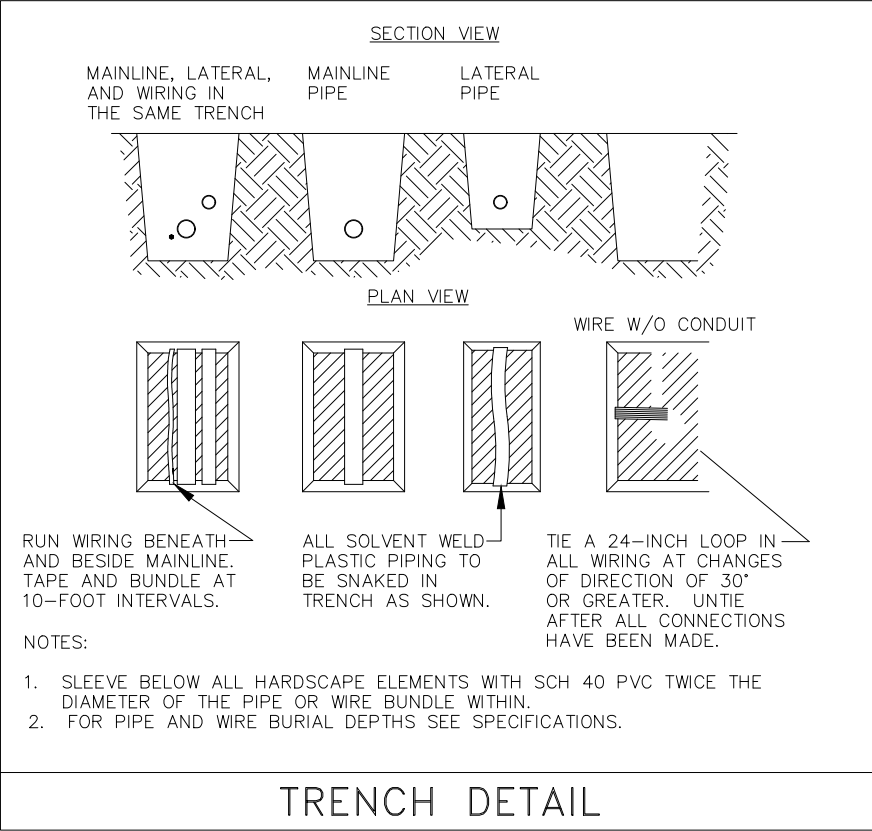
RAIN BIRD PGA VALVE



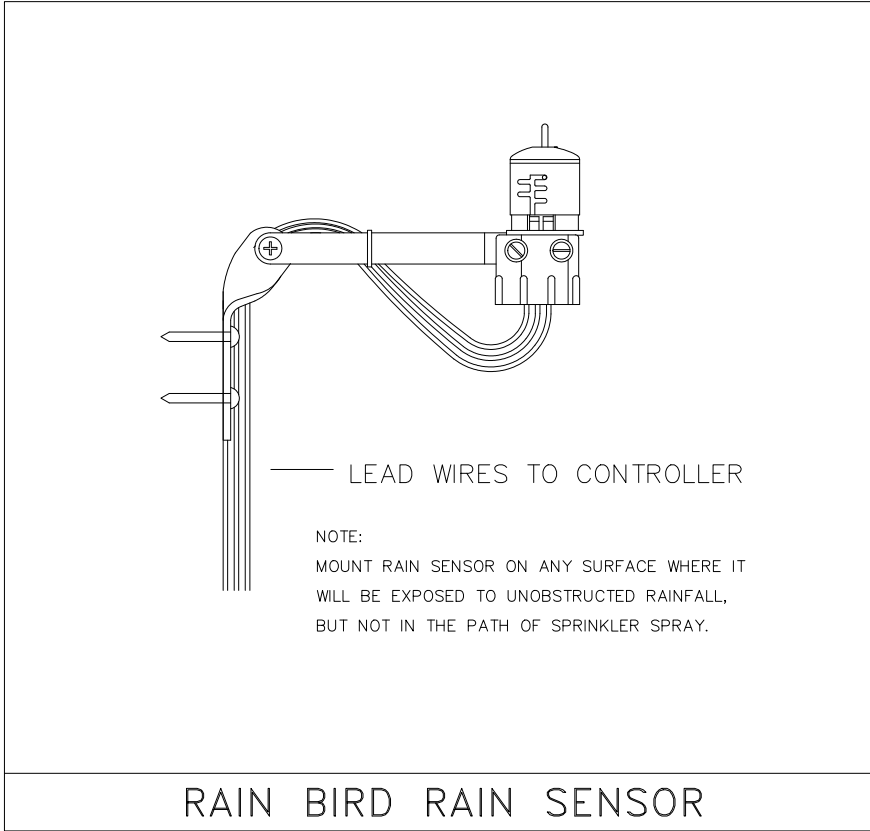
RAIN BIRD 1400 ON 1804 POP-UP



THRUST BLOCK DETAIL



TRENCH DETAIL



RAIN BIRD RAIN SENSOR