

SHEET INDEX

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LANDSCAPE LEGEND			
ZONING	RS-R	LOT SIZE 8,000 SF	0.18 ACRES
MINIMUM STANDARDS			
TREES			
FRONT YARD - 2 TREES PER LOT	BACK YARD - 3 TREES PER LOT	FRONT YARD - 3 TREES PER LOT	BACK YARD - 4 TREES PER LOT
TOTAL OF 5 TREES REQUIRED FOR LOTS UP TO 6,000 SF. 1 ADDITIONAL TREE IS REQUIRED FOR EACH ADDITIONAL 1,000 SF OF LOT AREA	TOTAL LOT AREA: 8,000 SF	7 TREES REQUIRED	15 TOTAL TREES PROVIDED
MIN 30% OF REQUIRED TREES SHALL BE NATIVE SPECIES	30% x 7 = 2 TREES OF NATIVE SPECIES	MIN 50% OF REQUIRED TREES SHALL BE NATIVE SPECIES	9 TOTAL NATIVE TREES PROVIDED
MIN 50% OF REQUIRED TREES SHALL BE LOW MAINTENANCE AND DROUGHT TOLERANT SPECIES	50% x 7 = 4 TREES OF LOW MAINTENANCE AND DROUGHT TOLERANT	MIN 50% OF REQUIRED TREES SHALL BE NATIVE SPECIES	15 TOTAL LOW MAINTENANCE TREES PROVIDED
DIVERSITY OF 01 - 10 TOTAL TREES REQUIRED. 2 TREE SPECIES	2 TREE SPECIES		4 TREE SPECIES PROVIDED
STREET TREES			
AVERAGE STREET TREE SPACING 20' ON CENTER	180 LINEAR FEET / 20' = 9 STREET TREES REQ		8 EXISTING + 1 NEW TREES PROVIDED
SHRUBS			
12 SHRUBS PER THE NUMBER OF REQUIRED LOT AND STREET TREES MIN 50% OF REQUIRED SHRUBS SHALL BE NATIVE SPECIES	192 TOTAL SHRUBS REQUIRED		208 TOTAL SHRUBS PROVIDED
MIN 10% OF REQUIRED SHRUBS SHALL BE LARGE SHRUBS OR SMALL TREES	50% x 192 = 96 SHRUBS OF NATIVE SPECIES		176 TOTAL NATIVE SHRUBS PROVIDED
MIN 50% OF REQUIRED LARGE SHRUBS SHALL BE NATIVE SPECIES	10% x 192 = 19 TOTAL LARGE SHRUBS		21 TOTAL LARGE SHRUBS PROVIDED
	50% x 192 = 10 LARGE SHRUBS OF NATIVE SPECIES		21 TOTAL NATIVE LARGE SHRUBS PROVIDED
LAWN			
LAWN SHALL BE MAXIMUM OF 50% OF REQUIRED LANDSCAPE AREA	TOTAL LANDSCAPE AREA = 3,647 SF	50% x 3647 = 1,823	1,800 SF OF LAWN PROVIDED
IRRIGATION SYSTEM			
LANDSCAPE SHALL BE WATERED BY A PERMANENT IRRIGATION SYSTEM			100% IRRIGATION COVERAGE PROVIDED

PROVIDED
FRONT YARD - 4 TREES PROVIDED BACK YARD - 11 TREES PROVIDED 13 TOTAL TREES PROVIDED 9 TOTAL NATIVE TREES PROVIDED 15 TOTAL LOW MAINTENANCE TREES PROVIDED 4 TREE SPECIES PROVIDED
8 EXISTING + 1 NEW TREES PROVIDED
206 TOTAL SHRUBS PROVIDED 176 TOTAL NATIVE SHRUBS PROVIDED 21 TOTAL LARGE SHRUBS PROVIDED 21 TOTAL NATIVE LARGE SHRUBS
1,800 SF OF LAWN PROVIDED
100% IRRIGATION COVERAGE PROVIDED

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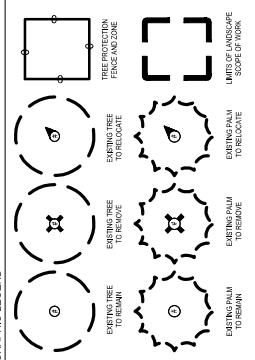
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Petar Stracenski
2025.03.09
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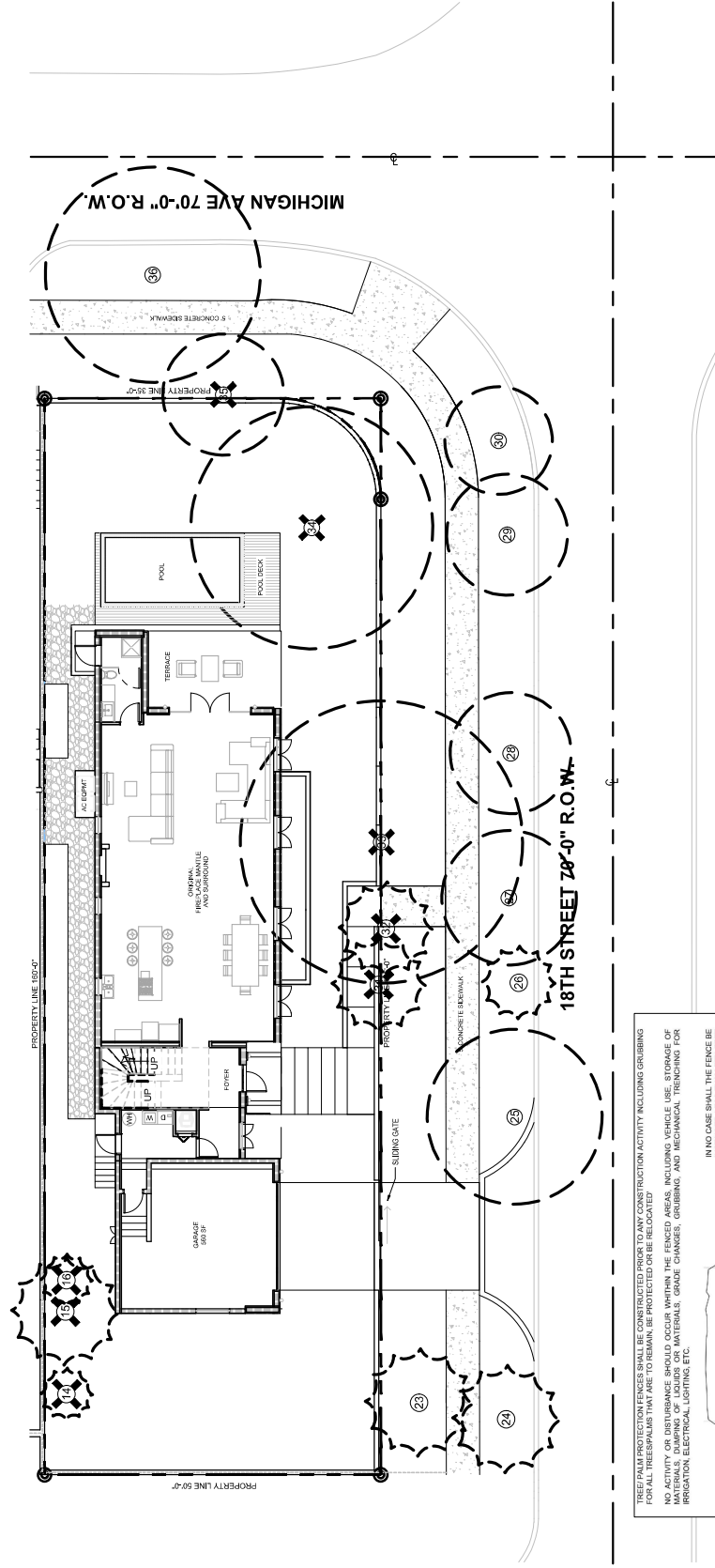
PROJECT NO: 34_24
PHASE: CONSTRUCTION
DATE: 03/07/2025
DRAWN: A.L.
CHECKED: P.S.
SHEET TITLE:
<p style="text-align: center;">TREE DISPOSITION PLAN</p>

Always call 811 two full business days before you dig

Sunshine811.com



#	BOTANICAL NAME	EXISTING TREE LIST					DISPOSITION	MITIGATION
		COMMON NAME	DBH	HT	SP			
14	<i>Psychospermia elegans</i>	Solitaire Palm	4"	23'	8"	Remove	NO	
15	<i>Dictyosperma album</i>	Hurricane Palm	8"	25'	16'	Remove	YES	
16	<i>Psychospermia elegans</i>	Solitaire Palm	4"	18'	8"	Remove	NO	
23	<i>Cocos nucifera</i>	Coconut Palm	9"	27'	16'	Remain	NO	
24	<i>Cocos nucifera</i>	Coconut Palm	9"	31'	16'	Remain	NO	
25	<i>Lagerstroemia speciosa</i>	Crape Myrtle	12"	17'	26'	Remain	NO	
26	<i>Cocos nucifera</i>	Coconut Palm	7"	23'	10"	Remain	NO	
27	<i>Lagerstroemia speciosa</i>	Crape Myrtle	10"	15'	20"	Remain	NO	
28	<i>Lagerstroemia speciosa</i>	Crape Myrtle	5"	13'	18"	Remain	NO	
29	<i>Tabebuia</i> sp.	Tabebuia	16"	17'	18"	Remain	NO	
30	<i>Lagerstroemia speciosa</i>	Crape Myrtle	5"	13'	16"	Remain	NO	
31	<i>Velichia merillii</i>	Christmas Palm	7"	13'	14"	Remove	NO	
32	<i>Velichia merillii</i>	Christmas Palm	7"	13'	14"	Remove	NO	
33	<i>Persea americana</i>	Avocado Tree	14"	37'	42"	Remove	YES	
34	<i>Morinda citrifolia</i>	Noni Tree	29"	27'	36"	Remove	YES	
35	<i>Phoenix canariensis</i>	Canary Island Date	26"	40'	16"	Remove	YES	
36	<i>Poinciana arborea</i>	Verawood	8"	27'	32"	Remain	YES	



TREY/PALM PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES/PALMS THAT ARE TO REMAIN, BE PROTECTED OR BE RELOCATED

NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, AND MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL LIGHTING, ETC.

IN NO CASE SHALL THE FENCE BE
INSTALLED LESS THAN TEN FEET
FROM THE TRUNK

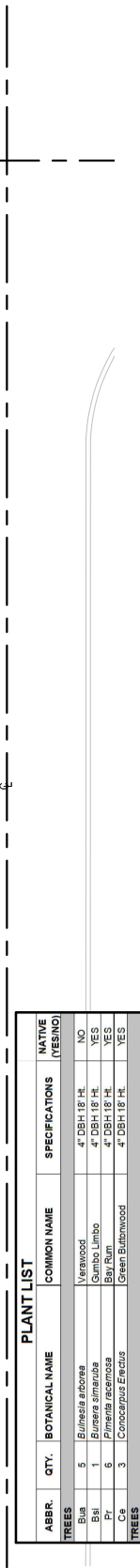
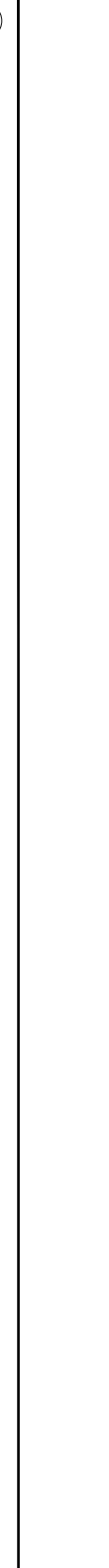
TREE + PALM PROTECTION
BARRIERS TO EXTEND BEYOND
THE 'DRIPLINE' OR TO THE
'CRITICAL ROOT ZONE AREA' OF
ALL TREES/PALMS TO BE
PROTECTED. EXTEND WHERE
NECESSARY TO PROTECT TREE

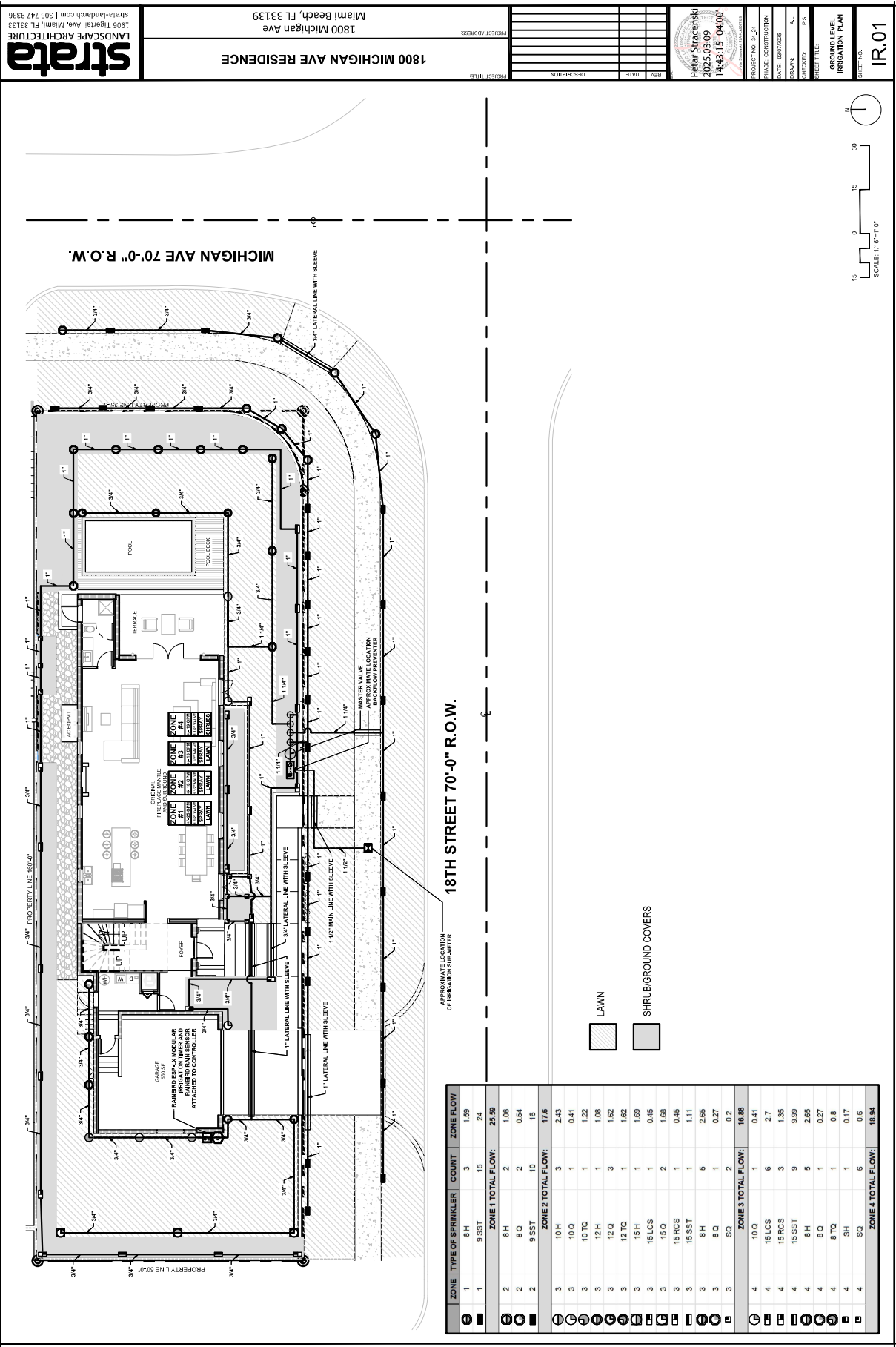
BARRIERS SHALL BE A MINIMUM OF FOUR FEET HIGH, AND SHALL BE CONSTRUCTED OF CONTINUOUS CHAIN LINK FENCE WITH METAL POSTS AT EIGHT-FOOT SPACING OR 2"x4" POSTS WITH THREE EQUALLY SPACED 2"x4" RAILS. POSTS MAY BE SHIFTED TO AVOID ROOTS.

PROTECTION DETAIL NOTE:
CONTRACTOR TO INSTALL "TREE/PALM PROTECTION FENCE BARRIERS" AROUND ALL EXISTING TREES OR PALMS AT THE START OF THE PROJECT. BARRIERS TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT AND SHOULD NOT BE REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY OF MIAMI BEACH URBAN FORESTER + PLANNING + ZONING DEPARTMENT

C.M.B. TREE / PALM PROTEC. DETAIL

	Petar Stracenski 15-04-2023	PROJECT NO.: 34_24 PHASE: CONSTRUCTION DATE: 20070709 DRAWN: A.L. CHECKED: P.S. SHEET TITLE:	SHEET NO. 1 03
	1442:15 - 04/00 1442:15 - 04/00 1442:15 - 04/00	1442:15 - 04/00 1442:15 - 04/00 1442:15 - 04/00	1442:15 - 04/00 1442:15 - 04/00 1442:15 - 04/00

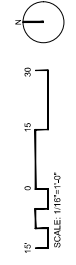
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ZONE	TYPE OF SPRINKLER	COUNT	ZONE FLOW
1	8 H	3	1.59
1	9 SST	15	24
ZONE 1 TOTAL FLOW:			25.59
2	8 H	2	1.05
2	8 Q	2	0.54
2	9 SST	10	16
ZONE 2 TOTAL FLOW:			17.6
3	10 H	3	2.43
3	10 Q	1	0.41
3	10 TQ	1	1.22
3	12 H	1	1.08
3	12 Q	3	1.62
3	12 TQ	1	1.62
3	15 H	1	1.69
3	15 LCS	1	0.45
3	15 Q	2	1.68
3	15 RCS	1	0.45
3	15 SST	1	1.11
3	8 H	5	2.65
3	8 Q	1	0.27
3	SQ	2	0.2
ZONE 3 TOTAL FLOW:			16.88
4	10 Q	1	0.41
4	15 LCS	6	2.7
4	15 RCS	3	1.35
4	15 SST	9	9.99
4	8 H	5	2.65
4	8 Q	1	0.27
4	8 TQ	1	0.8
4	SH	1	0.17
4	SQ	6	0.6
ZONE 4 TOTAL FLOW:			18.94

LAWN

SHRUB/GROUND COVERS



1800 MICHIGAN AVE RESIDENCE

1800 Michigan Ave
Miami Beach, FL 33139

strata

LANDSCAPE ARCHITECTURE
1909 TIGERPALE AVE, MIAMI, FL 33139
305.747.9386

PROJECT ADDRESS

PROJECT TITLE

DATE

DESCRIPTION

7/16/2025

1800 MICHIGAN AVE RESIDENCE

2025.03.09

1848315-04000

Peter Stracenski
2025.03.09
1848315-04000

PROFESSIONAL SEAL

PROJECT NO. 18-24

PHASE CONSTRUCTION

DATE: 03/07/2025

OWNER: ALL

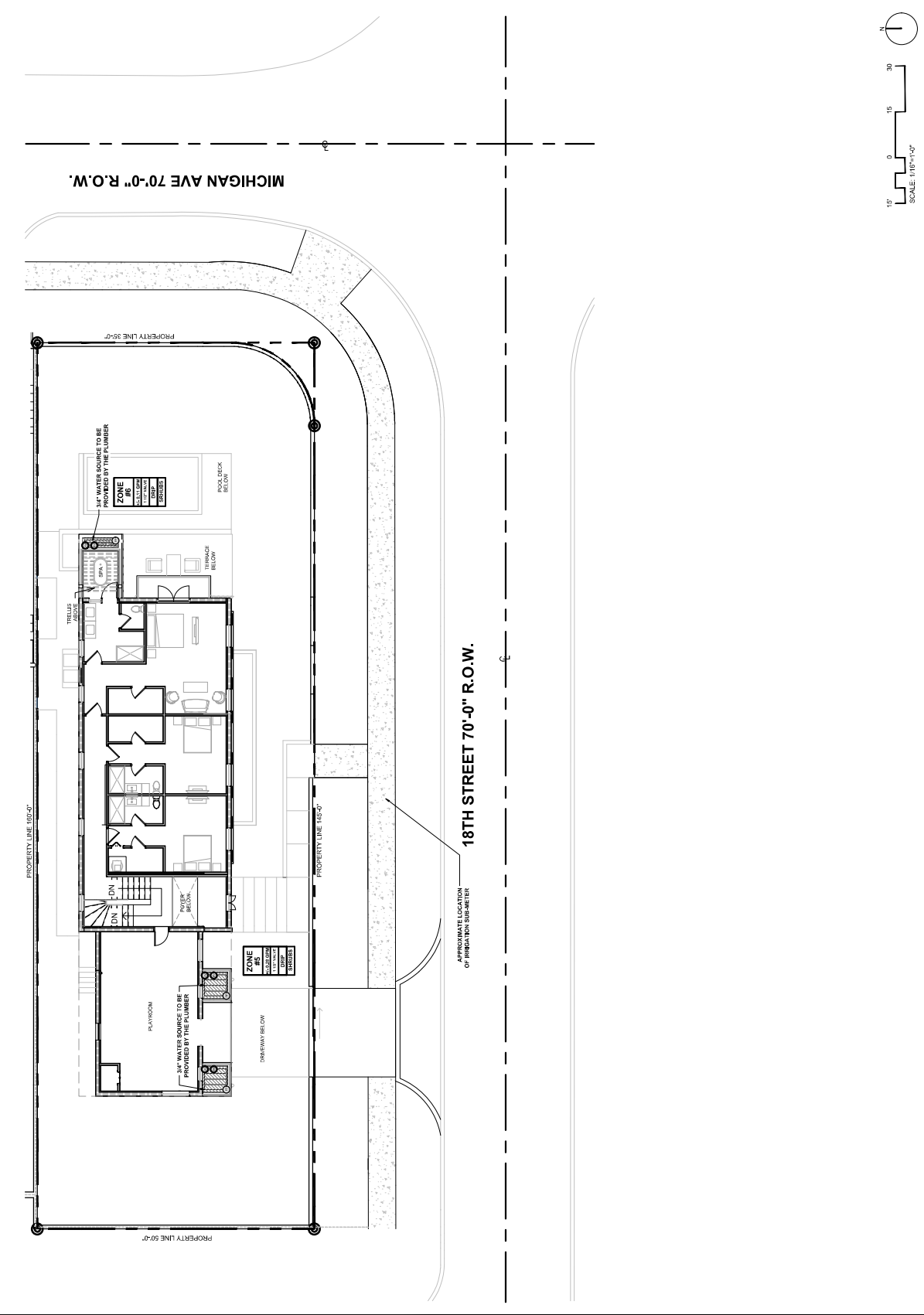
DESIGNED: P.S.

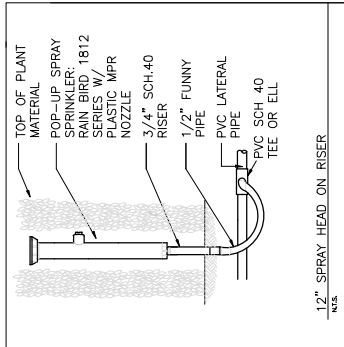
SHEET TITLE

GROUND LEVEL
IRRIGATION PLAN

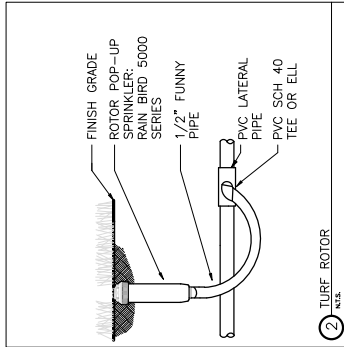
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IR.01

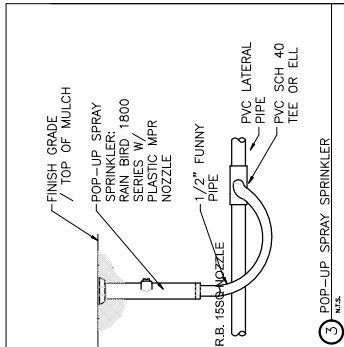




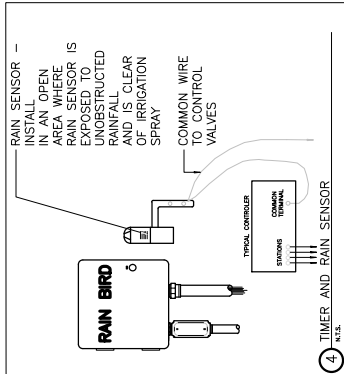
12" SPRAY HEAD ON RISER



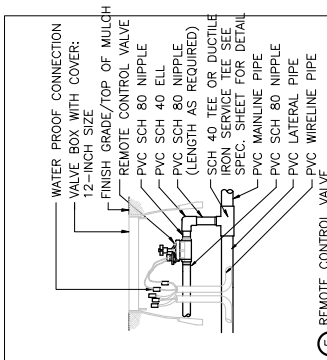
TURF ROTOR



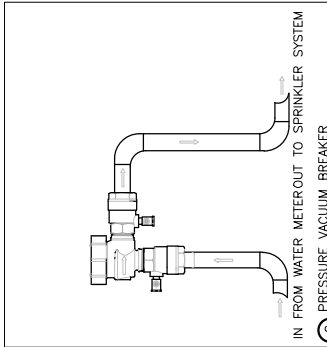
7 POP-UP SPRAY SPRINKLER



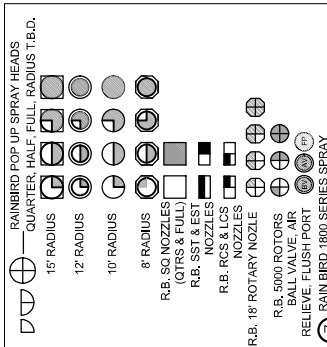
TIMER AND RAIN SENSOR



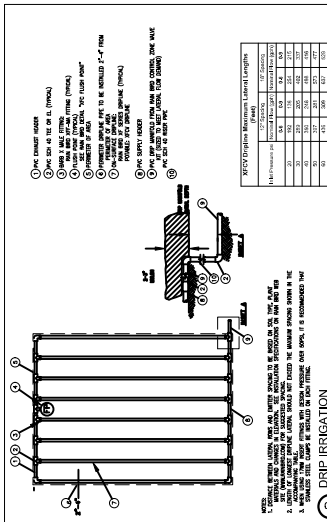
REN



PRESSURE VACUUM BREAKER



7 RAIN BIRD 1800 SERIES SPRAY



DRIP IRRIGATION

IRRIGATION NOTES

1. Pipe sizes shall conform to those shown on the drawings. No substitutions of sizes shall be permitted, but substitutions of larger sizes may be approved. All pipe shall be installed in accordance with the applicable code requirements for damaged and repaired pipe shall be removed from the site at the time of final rejection.
2. All mainline, lateral line and control valve 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.
3. Install all backflow prevention devices and all jacking between the point of connection and the backflow preventer as per local codes.
4. Final location of the backflow preventer and automatic controller shall be approved by the owner's authorized representative.
5. 120 VAC electrical power source at controller location shall be provided by others.

IRRIGATION LEGEND

9. It is the responsibility of the irrigation contractor to familiarize himself with all drawings, specifications, and codes of the project, including but not limited to, the drawings, specifications, location of water, retaining walls, structures and utilities. The irrigation contractor shall be responsible for the location and installation of pipe sleeves through the work with other contractors for the location and installation of pipe sleeves through the work with other contractors and piling etc.
10. On or within 10 days after installing, 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 above mentioned items that might not have been considered in the engineering, such as, but not limited to, the drawings, specifications, location of water, retaining walls, structures and utilities. In the event the notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.
11. All sprinkler equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
12. The irrigation contractor shall install check valves on all heads in areas where final ground exists greater than 4', where post valve shut-off draining of the irrigation head occurs or as directed by the owner's professional representative.
13. The contractor shall provide 1000 PSI (pressure compensating nozzles) as necessary to maintain or eliminate overwatering on open streets, walks or other areas as directed by the owner's professional representative.
14. All control valves shall be installed in PVC conduit.
15. All open trench work shall open within 24 hours of completion of trenching and computer controlled valves shall be installed within 48 hours of completion of trenching.

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SPECIAL NOTES

A ROUGH INSPECTION IS REQUIRED BY MIAMI DADE PRIOR TO TRENCH BACKFILLING. A FINAL INSPECTION IS REQUIRED PRIOR TO COMPLETION OF THE IRRIGATION WORK. SOUTH FLORIDA WATER MANAGEMENT WATER RESTRICTIONS, PHASE II RESTRICTIONS ARE IN EFFECT. NEW LANDSCAPE SHALL BE EXEMPT PER AWARD FOR A PERIOD OF SIXTY DAYS AFTER INSTALLATION WITH CONTRACTOR AND/OR OWNER TO ASSUME RESPONSIBILITY AFTER THAT INITIAL PERIOD.

Special Notes

SPECIAL NOTES

A ROUGH INSPECTION IS REQUIRED BY MIAMI DADE PRIOR TO TRENCH BACKFILLING. A FINAL INSPECTION IS REQUIRED PRIOR TO COMPLETION OF THE IRIGATION WORK. SOUTH FLORIDA WATER MANAGEMENT WATER RESTRICTIONS, PHASE II RESTRICTIONS ARE IN EFFECT. PERIOD LANDSCAPE SHALL BE EXEMPT PER SFWMD FOR A PERIOD OF SIXTY DAYS AFTER INSTALLATION WITH CONTRACTOR AND/OR OWNER TO ASSUME RESPONSIBILITY AFTER THAT INITIAL PERIOD.

FLORIDA BUILDING CODE: APPENDIX F PIPE INSTALLATION-DEPTH OF COVER	FLORIDA BUILDING CODE: APPENDIX F PIPE INSTALLATION-DEPTH OF COVER	FLORIDA BUILDING CODE: APPENDIX F PIPE INSTALLATION-DEPTH OF COVER
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)	PIPE SIZE (INCHES)
1/2"	12"	1/2"
3/4"	18"	3/4"
1"	24"	1"
1 1/4"	30"	1 1/4"
1 1/2"	36"	1 1/2"
2"	48"	2"
3"	72"	3"
4"	96"	4"
6"	144"	6"
8"	192"	8"
10"	240"	10"
12"	288"	12"
14"	336"	14"
16"	384"	16"
18"	432"	18"
20"	480"	20"
22"	528"	22"
24"	576"	24"
26"	624"	26"
28"	672"	28"
30"	720"	30"
32"	768"	32"
34"	816"	34"
36"	864"	36"
38"	912"	38"
40"	960"	40"
42"	1008"	42"
44"	1056"	44"
46"	1104"	46"
48"	1152"	48"
50"	1200"	50"
52"	1248"	52"
54"	1296"	54"
56"	1344"	56"
58"	1392"	58"
60"	1440"	60"
62"	1488"	62"
64"	1536"	64"
66"	1584"	66"
68"	1632"	68"
70"	1680"	70"
72"	1728"	72"
74"	1776"	74"
76"	1824"	76"
78"	1872"	78"
80"	1920"	80"
82"	1968"	82"
84"	2016"	84"
86"	2064"	86"
88"	2112"	88"
90"	2160"	90"
92"	2208"	92"
94"	2256"	94"
96"	2304"	96"
98"	2352"	98"
100"	2400"	100"
102"	2448"	102"
104"	2496"	104"
106"	2544"	106"
108"	2592"	108"
110"	2640"	110"
112"	2688"	112"
114"	2736"	114"
116"	2784"	116"
118"	2832"	118"
120"	2880"	120"
122"	2928"	122"
124"	2976"	124"
126"	3024"	126"
128"	3072"	128"
130"	3120"	130"
132"	3168"	132"
134"	3216"	134"
136"	3264"	136"
138"	3312"	138"
140"	3360"	140"
142"	3408"	142"
144"	3456"	144"
146"	3504"	146"
148"	3552"	148"
150"	3600"	150"
152"	3648"	152"
154"	3696"	154"
156"	3744"	156"
158"	3792"	158"
160"	3840"	160"
162"	3888"	162"
164"	3936"	164"
166"	3984"	166"
168"	4032"	168"
170"	4080"	170"
172"	4128"	172"
174"	4176"	174"
176"	4224"	176"
178"	4272"	178"
180"	4320"	180"
182"	4368"	182"
184"	4416"	184"
186"	4464"	186"
188"	4512"	188"
190"	4560"	190"
192"	4608"	192"
194"	4656"	194"
196"	4704"	196"
198"	4752"	198"
200"	4800"	200"
202"	4848"	202"
204"	4896"	204"
206"	4944"	206"
208"	4992"	208"
210"	5040"	210"
212"	5088"	212"
214"	5136"	214"
216"	5184"	216"
218"	5232"	218"
220"	5280"	220"
222"	5328"	222"

LANDSCAPE and IRRIGATION NOTE
1. THE PROPOSED LANDSCAPE and IRRIGATION
LANDSCAPE CODE REQUIREMENTS
COUNTY LANDSCAPE ORDINANCE

2. EXISTING SITE CONDITIONS HAVE BEEN FIELD VERIFIED BY LANDSCAPE ARCHITECT.

3. ALL LANDSCAPE AREAS TO BE 100% COVERED BY A FULLY AUTOMATIC IRRIGATION SYSTEM WITH RAIN SENSOR. SEE THIS SHEET FOR IRRIGATION LAYOUT.

LANDSCAPED AREA

