

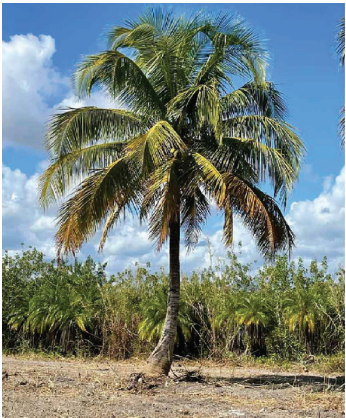
RENDERED LANDSCAPE PLAN

Scale: 0 5 10 15 30 NORTH

PLANT IMAGES



PITCH APPLE TREE



COCONUT PALM



SILVER BUTTONWOOD TREE



MAHOGANY TREE



EXISTING TRIPLE VEITCHIA PALMS



EXISTING SINGLE VEITCHIA PALMS



LADY PALM



PEPEROMIA



EXISTING ROYAL PALMS



LIRIOPE



DWARF FAKAHATCHEE GRASS



CLUSIA



BLACK IRONWOOD TREE



STANDARD SILVER BUTTONWOOD TREE



PITCH APPLE SHRUB

PURPLE MARTIN STUDIO

LANDSCAPE
ARCHITECTURE



3001 SW 27th Ave UNIT 308
MIAMI, FL 33133
352.494.6733

DESOSA RESIDENCE

281 PALM AVENUE
MIAMI BEACH, FLORIDA

PROJECT:

REVISIONS:
1)

SEAL:



MEMBER ASLA: FL LICENSE #LA6867383

DRAWING: RENDERED
LANDSCAPE PLAN

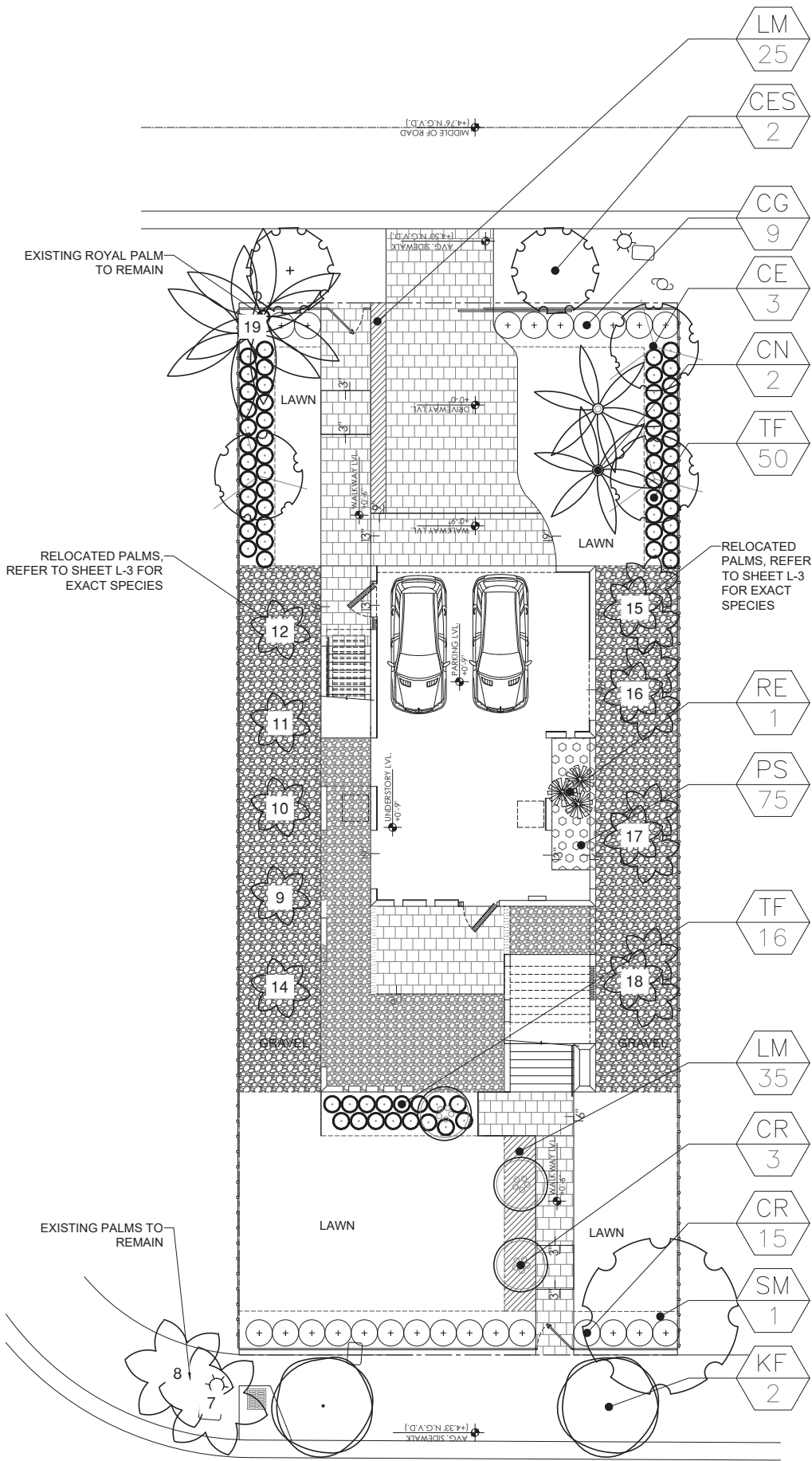
SCALE:

DATE: 04.08.22

SHEET #

L-1

CAD ID:



LANDSCAPE PLAN

Scale: 0 5 10 15 30 NORTH

CITY OF MIAMI BEACH

LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District **RS-4** Lot Area **6,000 SF** Acres **.13**

OPEN SPACE

- A. Square feet of required Open Space as indicated on site plan:
Lot Area = **6,000** s.f. x **50** % = **3,000** s.f.
- B. Square feet of parking lot open space required as indicated on site plan:
Number of parking spaces _____ x 10 s.f. parking space =
- C. Total square feet of landscaped open space required: A+B=

REQUIRED/ ALLOWED	PROVIDED
3,000	3,323
n/a	n/a
3,000	3,323

LAWN AREA CALCULATION

- A. Square feet of landscaped open space required
- B. Maximum lawn area (sod) permitted= **50** % x **3,000** s.f.

3,000	3,323
1,500	1,100

TREES

- A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=
- 5** trees x _____ net lot acres - number of existing trees=
- B. % Natives required: Number of trees provided x 30% =
- C. % Low maintenance / drought and salt tolerant required:
Number of trees provided x 50%=
- D. Street Trees (maximum average spacing of 20' o.c.)
50.50 linear feet along street divided by 20'=
- E. Street tree species allowed directly beneath power lines:
(maximum average spacing of 20' o.c.):
_____ linear feet along street divided by 20'=

5	7
2	7
3	7
4	4
n/a	n/a

SHRUBS

- A. Number of shrubs required: Sum of lot and street trees required x 12=
- B. % Native shrubs required: Number of shrubs provided x 50%=

108	151
54	81

LARGE SHRUBS OR SMALL TREES

- A. Number of large shrubs or small trees required: Number of required shrubs x 10%=
- B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=

10	10
5	10

LANDSCAPE LIST

TREES			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
KF	2	*Krugiodendron ferreum BLACK IRONWOOD - STREET TREE	12' HT. X 6' SPR. 3" CAL., 4' C.T. F. G.
SM	1	*Swietenia mahagoni MAHOGANY TREE	12' HT. X 6' SPR. 2" CAL. F. G.
CR	3	*Clusia rosea PITCH APPLE TREE	10' HT. X 6' SPR., 1.5" CAL. Multi-Trunk, F. G.
CN	2	Cocos nucifera COCONUT PALM	10' O.A.HT. X 8' SPR., 3" CAL. F. G.
CES	2	*Conocarpus erectus 'sericeus' SILVER BUTTONWOOD TREE - STREET TREE	12' HT. X 6' SPR. 3" CAL., 4' C.T. Standard, F. G.
CE	3	*Cococarpus erectus 'sericeus' SILVER BUTTONWOOD TREE	12' HT. X 6' SPR. 2" CAL. Multi-Trunk, F. G.
SHRUBS AND GROUNDCOVERS			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
CG	9	Clusia guttifera CLUSIA	24" HT. X 24" SPR. / 30" O.C. 3 GAL.
CR	15	*Clusia rosea PITCH APPLE	6" HT. X 48" SPR. 15 GAL.
TF	66	*Tripsacum floridanum DWARF FAKAHATCHEE GRASS	24" HT. X 24" SPR. / 30" O.C. 3 GAL.
RE	1	Raphis excelsa LADY PALM	36" HT. X 36" SPR. 7 GAL.
PS	75	Peperomia spp. PEPEROMIA	12" HT. X 12" SPR. / 12" O.C. 1 GAL.
LM	60	Liriope muscari LIRIOPE	24" HT. X 24" SPR. / 24" O.C. 3 GAL.
LAWN	As Required	Stenotaphrum secundatum 'Floratum' ST. AUGUSTINE GRASS	SOLID EVEN SOD

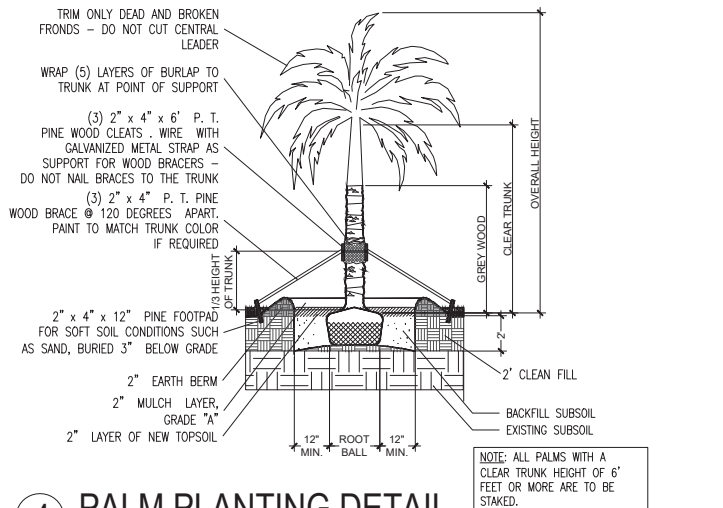
* DENOTES NATIVE SPECIES

PLANTING NOTES:

- All plant material is to be Florida Number 1 or better pursuant to the Florida Department of Agriculture's Grades and Standards for Nursery Plants.
- All plants are to be top dressed with a minimum 3" layer of Melaleuca mulch, Eucalyptus mulch or equal.
- Planting plans shall take precedence over plant list in case of discrepancies.
- No changes are to be made without the prior consent of the Landscape Architect and Owner. Additions and or deletions to the plant material must be approved by the project engineer.
- Landscape Contractor is responsible for providing their own square footage takeoffs and field verification for 100% sod coverage for all areas specified.
- All landscape areas are to be provided with automatic sprinkler system which provide 100% coverage, and 50% overlap.
- All trees in lawn areas are to receive a 24" diameter mulched saucer at the base of the trunk.
- Deeply set root balls are not acceptable.
- Planting soil for topsoil and backfill shall be 50/50 mix, nematode free. Planting soil for annual beds to be comprised of 50% Canadian peat moss, 25% salt free coarse sand and 25% Aerolite.
- Tree and shrub pits will be supplemented with "Agriform Pellets", 21 gram size with a 20-10-5 analysis, or substitute application accepted by Landscape Architect. Deliver in manufacturer's standard containers showing weight, analysis and name of manufacturer.

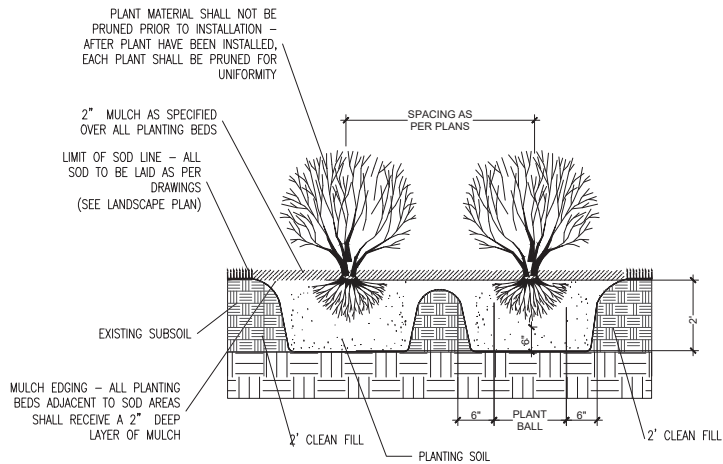
GENERAL NOTES:

- The Landscape Contractor is to locate and verify all underground and overhead utilities prior to beginning work. Contact proper utility companies and / or General Contractor prior to digging for field verification. The Owner and the Landscape Architect shall not be responsible for any damages to utility or irrigation lines (see Roadway Plans for more utility notes).
- Landscape Contractor is to verify all current drawings and check for discrepancies and bring to the attention of the Landscape Architect prior to commencing with the work.
- All unattended and unplanted tree pits are to be properly barricaded and flagged during installation.
- All planting plans are issued as directives for site layout. Any deviations, site changes, etcetera are to be brought to the attention of the Landscape Architect for clarification prior to installation.



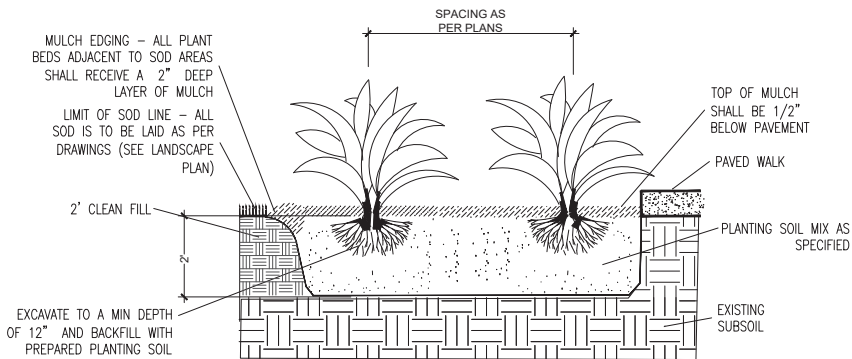
4 PALM PLANTING DETAIL

SCALE: N.T.S.



3 SHRUB PLANTING DETAIL

SCALE: N.T.S.



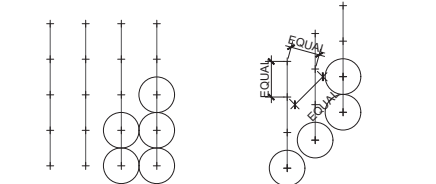
2 GROUNDCOVER PLANTING DETAIL

SCALE: N.T.S.

NOTE: IN MOST CASES, TRIANGULAR SPACING IS PREFERRED. USE SQUARE SPACING ONLY IN SMALL RECTILINEAR AREAS.

SOD NOTES:

- Sod is to be grade "A" weed free.
- All areas marked "LAWN" shall be solid sodded with St. Augustine 'Floratum' solid sod. See limit on plan. All areas marked 'Bahia Grass' shall be solid sodded with Paspalum.
- Provide a 2" deep blanket of planting soil as described in planting notes this sheet. Prior to planting, remove stones, sticks, etc. from the sub soil surface. Excavate existing non-conforming soil as required so that the finish grade of sod is flush with adjacent pavement or top of curb as well as adjacent sod in the case of sod patching.
- Place sod on moistened soil, with edges lightly butted, in staggered rows at right angles to slopes.
- Keep edge of sod bed a minimum of 18" away from groundcover beds and 24" away from edge of shrub beds and 36" away from trees, measured from center of plant.
- Sod shall be watered immediately after installation to uniformly wet the soil to at least 2" below the bottom of the sod strips.
- Excavate and remove excess soil so top of sod is flush with top of curb or adjacent pavement or adjacent existing sod.



SQUARE SPACING TRIANGULAR SPACING

1 PLANT SPACING DETAIL

SCALE: N.T.S.

PURPLE MARTIN STUDIO

LANDSCAPE ARCHITECTURE



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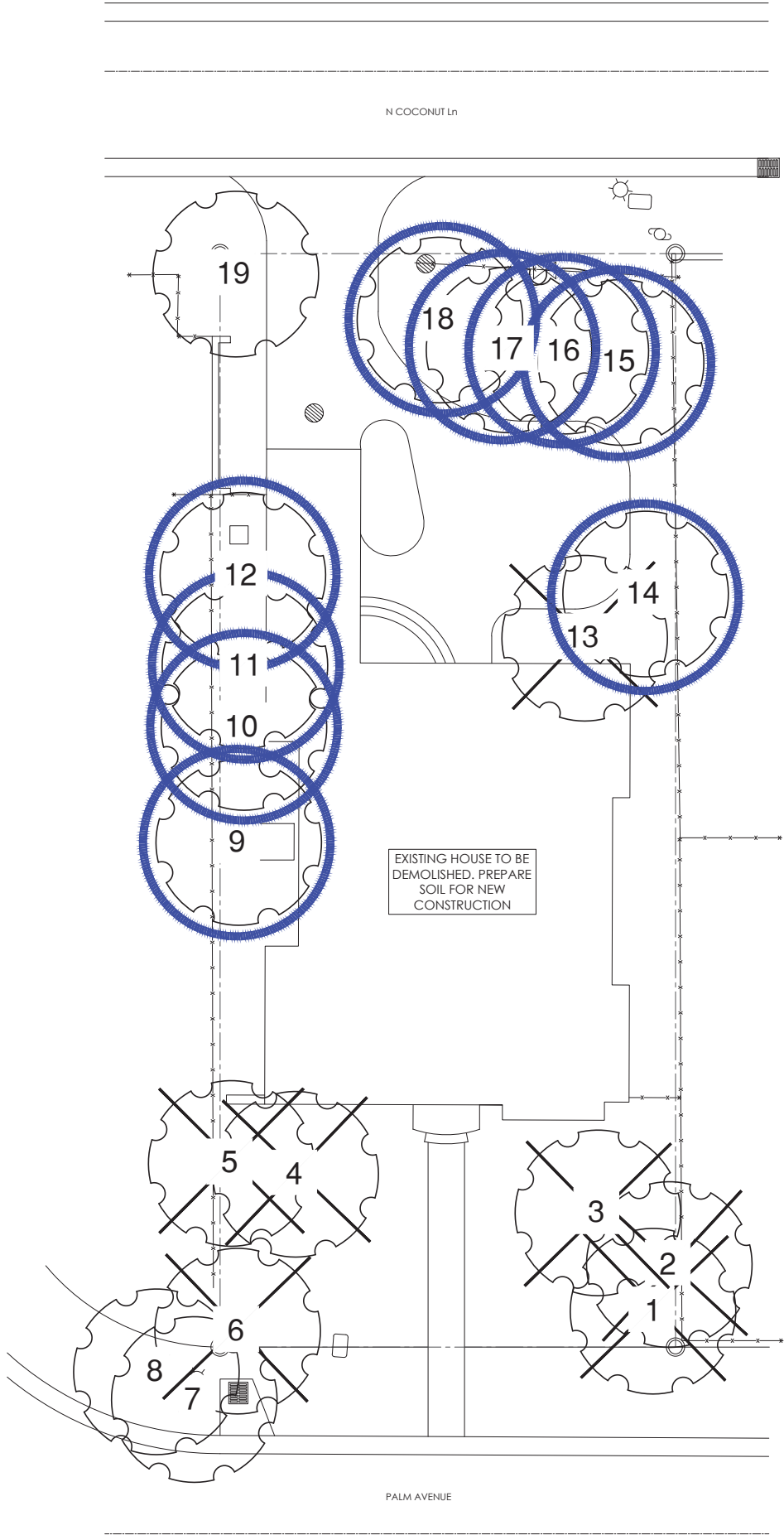
DRAWING: LANDSCAPE PLAN

SCALE: DATE: 04.08.22

SHEET #

L-2

CAD ID:



TREE DISPOSITION PLAN

TREE DISPOSITION SUMMARY					
	REMAIN	RELOCATE	REMOVE	TOTAL TREES	TOTAL PALMS
TREES	0	0	0	0	
PALMS	3	9	7*		14

*PER CH. 46 SEC.46-58(1)(h), THE REMOVAL OF PALMS AND CLUSTERING PALMS UNDER 15 FEET IN OVERALL HEIGHT DO NOT REQUIRE A TREE WORK PERMIT AND ARE EXEMPT FROM MITIGATION REQUIREMENTS. PALMS #1, 2, 5, 6 ARE ALL PALMS UNDER 15 FEET IN OVERALL HEIGHT THAT ARE PROPOSED FOR REMOVAL. PALMS #3, 4, 13 WILL REQUIRE MITIGATION.

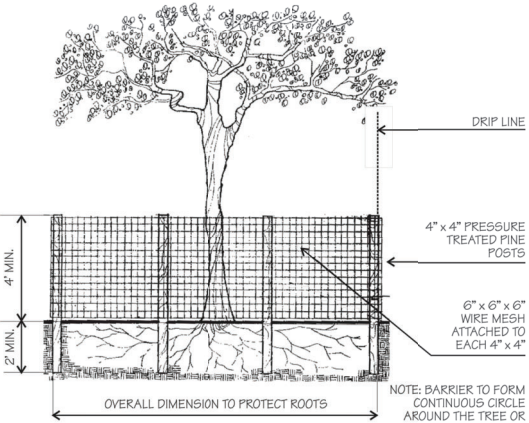
Tree Disposition Table						
Tree #	Scientific Name	Common Name	DBH (in)	Height (ft)	Canopy (ft)	Disposition
1	<i>Veitchia montgomeryana</i>	Montgomery Palm	3.5	8	8	Remove
2	<i>Veitchia montgomeryana</i>	Montgomery Palm	3.5	8	8	Remove
3	<i>Veitchia montgomeryana</i>	Montgomery Palm Cluster	n/a	25	20	Remove
4	<i>Ptychosperma elegans</i>	Solitaire Palm Cluster	n/a	20	10	Remove
5	<i>Phoenix roebelenii</i>	Pygmy Date Palm	3.5	8	8	Remove
6	<i>Veitchia montgomeryana</i>	Montgomery Palm Cluster	n/a	12	15	Remove
7	<i>Roystonea regia</i>	Royal Palm	12.0	25	15	Remain
8	<i>Roystonea regia</i>	Royal Palm	12.0	25	15	Remain
9	<i>Veitchia montgomeryana</i>	Montgomery Palm	12.0	18	10	Relocate
10	<i>Veitchia montgomeryana</i>	Montgomery Palm	12.0	18	10	Relocate
11	<i>Veitchia montgomeryana</i>	Montgomery Palm	12.0	18	10	Relocate
12	<i>Veitchia montgomeryana</i>	Montgomery Palm	12.0	18	10	Relocate
13	<i>Ptychosperma elegans</i>	Solitaire Palm Cluster	n/a	25	15	Remove
14	<i>Veitchia montgomeryana</i>	Montgomery Palm Cluster	n/a	20	15	Relocate
15	<i>Veitchia montgomeryana</i>	Montgomery Palm Cluster	n/a	20	15	Relocate
16	<i>Veitchia montgomeryana</i>	Montgomery Palm Cluster	n/a	20	15	Relocate
17	<i>Veitchia montgomeryana</i>	Montgomery Palm Cluster	n/a	20	15	Relocate
18	<i>Veitchia montgomeryana</i>	Montgomery Palm Cluster	n/a	20	15	Relocate
19	<i>Roystonea regia</i>	Royal Palm	12.0	45	20	Remain

MITIGATION:
-REMOVAL OF 3 PALMS
-PER CH.46 SEC.46-61(1)(c), THE REMOVAL OF A PALM SHALL BE REPLACED WITH ONE CANOPY TREE AT 12 FEET OVERALL HEIGHT WITH A TWO-INCH DBH
-PER LANDSCAPE PLAN ON SHEET L-2, 4 TREES ARE BEING PROPOSED AT 12' HT. WITH 2" DBH

MITIGATION REQUIREMENTS ARE BEING MET.

TREE DISPOSITION LEGEND		
SYMBOL	QUAN.	
	7	TREE/PALM TO REMOVE
	3	TREE/PALM TO REMAIN
	9	TREE/PALM TO RELOCATE

IT IS CRITICAL TO EXISTING TREE SURVIVAL TO PROVIDE PROTECTION DURING CONSTRUCTION. THIS DETAIL CAN BE USED AROUND ONE OR MORE TREES AND WILL PROVIDE PROTECTION FROM CONSTRUCTION EQUIPMENT.



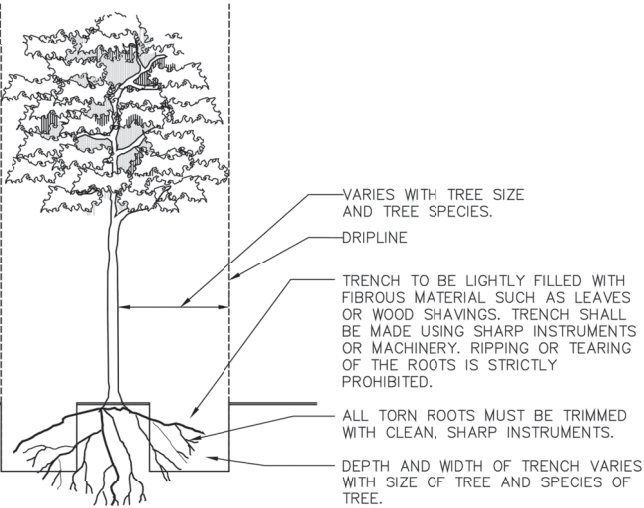
1 TREE PROTECTION
SCALE: NTS

WORK MUST BE SUPERVISED BY AN ISA CERTIFIED ARBORIST.

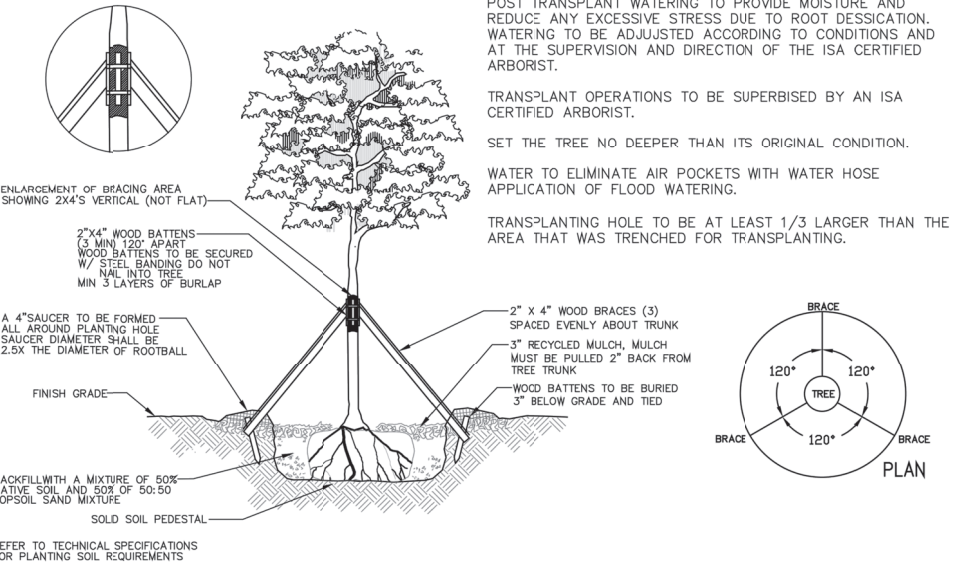
ROOT PRUNING MUST BE DONE A MINIMUM OF 8 WEEKS PRIOR TO RELOCATION.

WATERING MUST PROVIDE SUFFICIENT WATER TO MAINTAIN A MOIST CONDITION IN THE ROOTS. AUTOMATIC IRRIGATION DRIP IS RECOMMENDED.

TAKE EXTRA CARE NOT TO DAMAGE THE TRUNK OR BRANCHES.



2 ROOT PRUNING
SCALE: NTS



3 TREE RELOCATION
SCALE: NTS

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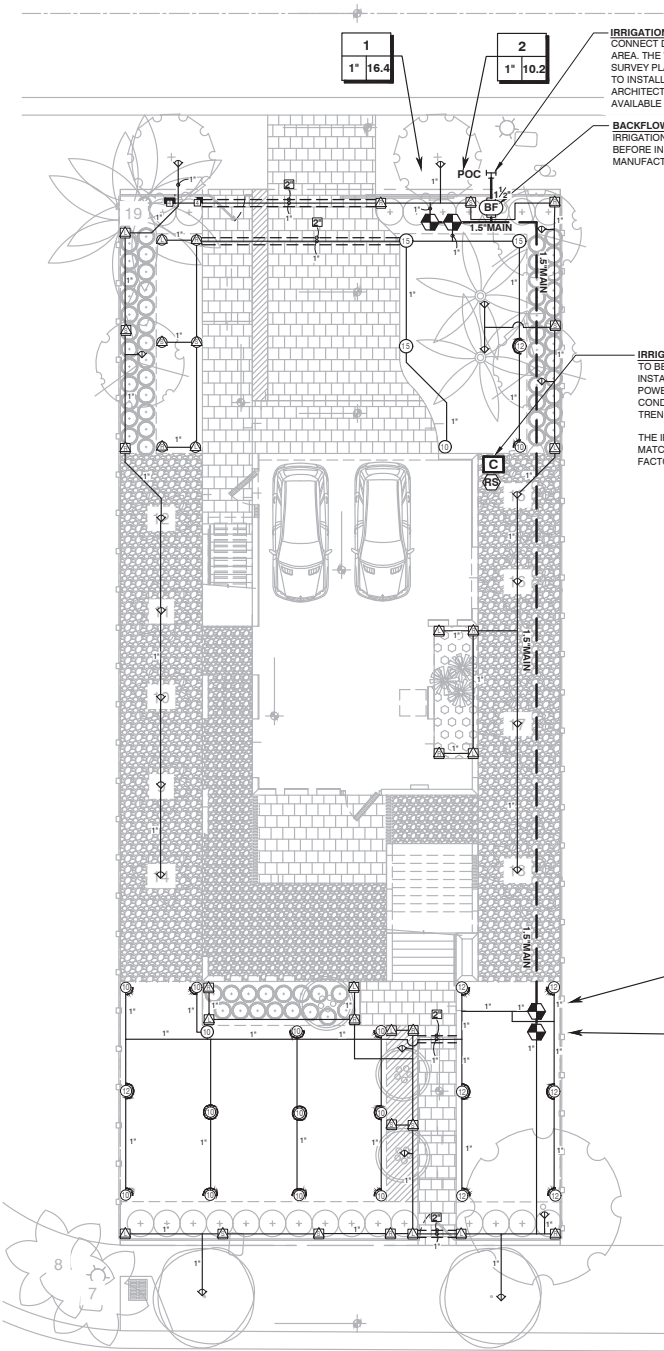
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DRAWING: TREE DISPOSITION
PLAN
SCALE: DATE: 04.08.22
SHEET #
L-3
CAD ID:



IRRIGATION PLAN

Scale: 0 5 10 15 30 NORTH







THESE PLANS ARE DIAGRAMMATIC OF THE WORK TO BE PERFORMED. ALL LANDSCAPED AREAS ARE TO RECEIVED 100% COVERAGE. INSTALL THIS IRRIGATION SYSTEM PER THE SITE CONDITIONS, AVAILABLE FLOW/PRESSURE AND MANUFACTURERS RECOMMENDATIONS.

IRRIGATION NOTES

1. THE PLANS AND DRAWINGS ARE DIAGRAMMATIC OF THE WORK TO BE PERFORMED. INSTALL THIS IRRIGATION SYSTEM PER THE SITE CONDITIONS AND AVAILABLE FLOW/PRESSURE. SOME COMPONENTS MAY BE SHOWN OUTSIDE THE WORK AREA FOR CLARITY. THE WORK SHALL BE EXECUTED IN A MANNER TO AVOID CONFLICTS WITH UTILITIES AND OTHER ELEMENTS OF CONSTRUCTION, INCLUDING LANDSCAPE MATERIALS. ALL DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE BEING INSTALLED.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CURRENT LOCAL CODES, ORDINANCES, AND REGULATIONS.
3. ALL IRRIGATION MAINLINE AND LATERAL LINES ARE TO NOT EXCEED A VELOCITY OF 5FPS.
4. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY ASPECT OF THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS AND DRAWINGS, WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DISCREPANCIES EXIST THAT MIGHT NOT HAVE BEEN KNOWN DURING THE DESIGN OF THE IRRIGATION SYSTEM. IN THE EVENT THAT NOTIFICATION OF THE CONFLICT IS NOT APPROVED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS.
5. REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREE ROOT BALLS WHEN INSTALLING IRRIGATION EQUIPMENT. CALL 811 AND REFER TO UTILITY PLANS PRIOR TO TRENCHING.
6. IRRIGATION CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, INCLUDING UTILITY LOCATIONS BEFORE INSTALLATION OF THE IRRIGATION SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION WITH ALL OTHER CONSTRUCTION ON SITE, ESPECIALLY LANDSCAPE INSTALLATION. THE IRRIGATION SYSTEM SHALL BE RELOCATED AT NO ADDITIONAL COST FOR ANY CONFLICT WITH LANDSCAPE INSTALLATION OR ANY OTHER SITE CONSTRUCTION OR EXISTING CONDITIONS.
7. VERIFY THE MINIMUM STATIC WATER PRESSURE IS AVAILABLE AT THE PROJECT SITE PRIOR TO BEGINNING THE IRRIGATION INSTALLATION. NOTIFY THE IRRIGATION DESIGN CONSULTANT AND LANDSCAPE ARCHITECT IN WRITING IF THE MINIMUM STATIC WATER PRESSURE OR WATER VOLUME IS NOT AVAILABLE.
8. WHERE EXISTING OR NEW TREES, LIGHT FIXTURES, SIGNS, ELECTRONIC CONTROLLERS AND/OR OTHER OBJECTS ARE AN OBSTRUCTION TO AN IRRIGATION SPRINKLER'S PATTERN, THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN PROPER COVERAGE OF AN IRRIGATION SPRINKLER'S PATTERN. THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN THE PROPER COVERAGE WITHOUT DAMAGING THE OBSTRUCTION.
9. 100% HEAD TO HEAD COVERAGE IS REQUIRED. ASSURE THAT ANY MODIFIED SPACING DOES NOT EXCEED THE SPACING SHOWN IN THE PLANS.
11. IRRIGATION CONTRACTOR SHALL ADJUST ALL SPRINKLERS TO AVOID OVER SPRAY ONTO IMPERVIOUS AREAS.
12. ALL MATERIALS AND EQUIPMENT SHOWN SHALL BE NEW. IF THE DRAWINGS DO NOT THOROUGHLY DESCRIBE THE TECHNIQUES TO BE USED, THE INSTALLER SHALL FOLLOW THE INSTALLATION METHODS AND INSTRUCTIONS RECOMMENDED BY THE PRODUCT MANUFACTURER.
13. THE LOCATION OF THE IRRIGATION MAINLINE SHALL BE IDENTIFIED IN THE FIELD AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
14. CONTRACTOR IS TO SUBMIT PRODUCT SPECIFICATION SHEETS FOR ALL IRRIGATION EQUIPMENT TO BE USED FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
15. THE QUANTITIES SHOWN IN THE LEGEND SHEETS SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE MATERIALS TAKEOFF TO DETERMINE THE ACTUAL QUANTITIES OF MATERIAL NECESSARY TO EXECUTE THE WORK DESCRIBED IN THE DOCUMENTS.
16. ALL TRENCHES SHALL BE BACKFILLED WITH CLEAN DEBRIS-FREE MATERIALS.
17. IRRIGATION CONTRACTOR IS TO INSTALL CHRISTY ZONE TAGS WITH THE CORRESPONDING CONTROLLER ZONE NUMBER AT EACH CONTROL VALVE.
18. AS BUILT DOCUMENTS ARE TO BE PROVIDED TO THE OWNER UPON COMPLETION OF THE PROJECT. THE MAINLINE, CONTROL VALVES, ISOLATION VALVES, GROUND RODS AND SPLICE BOXES SHALL BE LOCATED WITH A MEASUREMENT FROM TWO FIXED POINTS.
19. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF ON-SITE OPERATIONS.
20. A MAINLINE PRESSURE TEST IS TO BE CONDUCTED BEFORE BACKFILLING. ALL FINDINGS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT WITHIN TWENTY FOUR HOURS POST TEST.
21. ALL SLEEVES ARE TO BE TWO TIMES THE SIZE OF THE PIPE. COORDINATE ALL SLEEVES WITH THE APPROPRIATE CONTRACTOR PRIOR TO CONSTRUCTION. NOT ALL NECESSARY VERTICAL SLEEVES MAY BE SHOWN ON THESE PLANS. FIELD VERIFY. ALL SLEEVE LOCATIONS ARE TO BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
22. THE IRRIGATION INSTALLER IS TO INSTALL THIS SYSTEM PER THE AVAILABLE FLOW AND PRESSURE AT THE EXISTING IRRIGATION WELL. FIELD ADJUST ZONE FLOWS AND EQUIPMENT PER THE FLOW AND PRESSURE RESULTS.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
    	RAIN BIRD 1806-U-PRS 15 STRIP SERIES TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	6	30
   	RAIN BIRD 1806-U-PRS U10 SERIES TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	12	30
     	RAIN BIRD 1806-U-PRS U12 SERIES TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	8	30
    	RAIN BIRD 1806-U-PRS HE-VAN SERIES TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING.	5	30
     	RAIN BIRD 1812-PRS-U SQ SERIES SHRUB SPRAY, 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	2	30
    	RAIN BIRD 1812-PRS-U 15 STRIP SERIES SHRUB SPRAY, 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	27	30
   	RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE (0.25-2.0GPM), 21 FULL CIRCLE BUBBLER, 1/2" FPT.	21	30
	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	RAIN BIRD PGA GLOBE 1", 1-1/2", 2" ELECTRIC REMOTE CONTROL VALVE, GLOBE.	4	
	ZURN 720A 1" PRESSURE VACUUM BREAKER	1	
	RAIN BIRD TM2-6-120V 6 STATION 120V MODEL. SUITABLE FOR INDOOR OR OUTDOOR INSTALLATIONS. FACTORY-INSTALLED OUTDOOR-RATED POWER CORD. LINK WIFI READY	1	
	HUNTER WRF-CLIK RAIN/FREEZE SENSOR, INSTALL WITHIN 1000 FT OF CONTROLLER, IN LINE OF SIGHT. 22-28 VAC/VDC 100 MA POWER FROM TIMER TRANSFORMER. MOUNT AS NOTED. INCLUDES GUTTER MOUNT.	1	
	POINT OF CONNECTION 1 1/2" CONNECT DOWNSTREAM OF EXISTING METER	1	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	756.6 L.F.	
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21	109.7 L.F.	
	PIPE SLEEVE: PVC SCHEDULE 40	50.9 L.F.	

	Valve Callout	
#	Valve Number	*THE QUANTITIES SHOWN IN THE LEGEND SHEETS SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE MATERIALS TAKEOFF TO DETERMINE THE ACTUAL QUANTITIES OF MATERIAL NECESSARY TO EXECUTE THE WORK DESCRIBED IN THE DOCUMENTS.
#	Valve Flow	
#	Valve Size	

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PRECIP
1	RAIN BIRD PGA GLOBE	1"	SHRUB SPRAY	16.36	1.96 in/h
2	RAIN BIRD PGA GLOBE	1"	TURF SPRAY	10.17	1.99 in/h
3	RAIN BIRD PGA GLOBE	1"	TURF SPRAY	16.14	1.65 in/h
4	RAIN BIRD PGA GLOBE	1"	SHRUB SPRAY	12.73	3.08 in/h

*THE IRRIGATION CONTRACTOR IS TO SET THE RUN TIMES FOR EACH ZONE TO MATCH THE PLANT WATER REQUIREMENTS, PLANTER CAPACITIES, SITE CONDITIONS AND MICRO-CLIMATE FACTORS. SEE THE LANDSCAPE PLANS FOR PLANT SPECIFICATIONS.

PURPLE MARTIN STUDIO LANDSCAPE ARCHITECTURE



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281 PALM AVENUE
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SEAL:



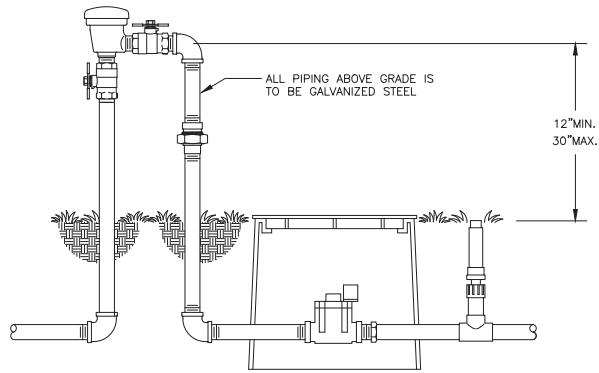
DRAWING: IRRIGATION PLAN

SCALE: DATE: 04.08.22

SHEET #

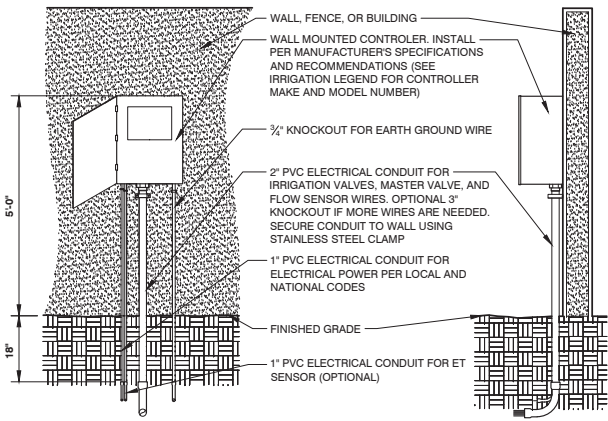
L-4

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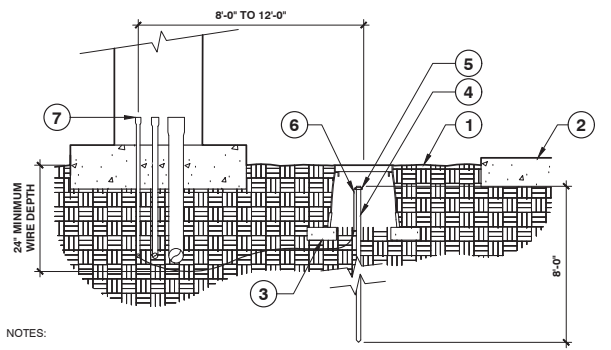
DIRECTION OF FLOW ➡

1 WILKINS MODEL 720A PRESSURE VACCUM BREAKER
N.T.S. 11 - 01



NOTES:
1. COMMON AND CONTROLLER WIRE TO BE BUNDLED USING ELECTRICAL TAPE 10'-0" ON CENTER.
2. GROUNDING RODS SHALL BE LOCATED BETWEEN 8'-0" TO 12'-0" AWAY FROM THE CONTROLLER. GROUNDING RODS SHALL BE 3/4" IN DIAMETER x 8' IN LENGTH, CONNECT THE GROUNDING ROD TO THE CONTROLLER USING 6 GAUGE BARE COPPER WIRE OR PER THE MANUFACTURER'S SPECIFICATIONS. SEE GROUNDING ROD DETAIL.
3. ET STATION SHALL BE INSTALLED NO FURTHER THAN 90' AWAY FROM THE CONTROLLER AND A MINIMUM OF 15' OFF THE GROUND, OUT FROM UNDER ANY OVERHEAD OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO, BUILDING OVERHANGS, TREES, OR UTILITIES.

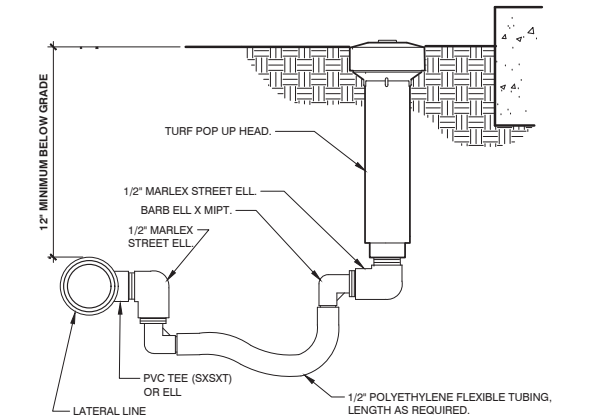
2 WALL MOUNTED CONTROLLER
1/2" = 1'-0" FX-IR-FX-CONT-05



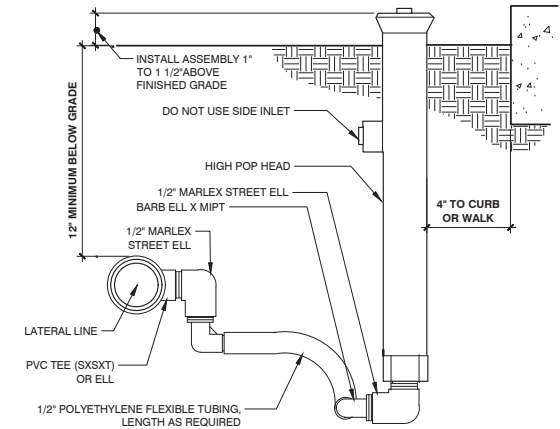
NOTES:
1. ALL GROUNDING REQUIREMENTS FOR CONTROLLERS SHALL CONFORM TO LOCAL ELECTRIC CODES.
2. GROUNDING ROD SHALL NOT BE LOCATED IN THE SAME TRENCH AS IRRIGATION MAINLINES OR LATERAL LINES.
3. VALVE BOX SHALL BE WRAPPED WITH A MINIMUM 3 MIL THICK PLASTIC AND SECURED TO THE VALVE BOX USING DUCT TAPE OR ELECTRICAL TAPE.
4. INSTALL GROUNDING ROD PER THE CONTROLLER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

1 FINISH GRADE
2 PAVEMENT
3 THREE (3) 4" x 8" BRICKS
4 5/8" x 8'-0" COPPER GROUNDING ROD
5 GROUNDING ROD CLAMP
6 #6 AWG BARE COPPER WIRE
7 1/2" PVC ELECTRICAL CONDUIT AND SWEEP FOR EARTH GROUND

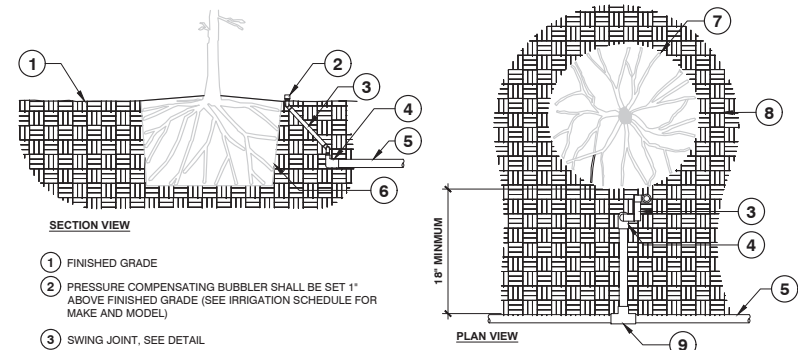
3 GROUNDING ROD
1" = 1'-0" FX-IR-FX-AUXEQ-01



4 TURF SPRAY FLEX ASSEMBLY
3" = 1'-0" FX-IR-FX-HEAD-04



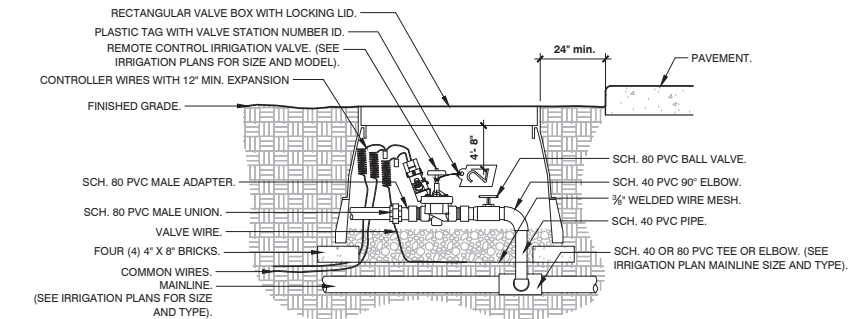
5 SHRUB SPRAY HIGHPOP W/FLEX ASSEMBLY
3" = 1'-0" FX-IR-FX-HEAD-08



NOTES:
1. ALL IRRIGATION FITTINGS SHALL BE SCH. 40 PVC UNLESS SPECIFIED OTHERWISE.
2. ALL THREADED CONNECTIONS FROM SCH. 40 TO SCH. 80 PVC SHALL BE MADE USING TEFLON TAPE.
3. CONTRACTOR SHALL SETTLE THE AREA AROUND THE BUBBLER AND EDGE OF THE ROOT BALL SO THAT ALL IRRIGATION FLOWS THROUGH THE ROOT BALL.

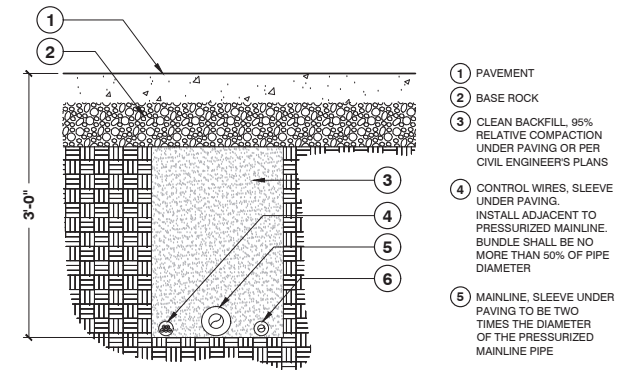
1 FINISHED GRADE
2 PRESSURE COMPENSATING BUBBLER SHALL BE SET 1" ABOVE FINISHED GRADE (SEE IRRIGATION SCHEDULE FOR MAKE AND MODEL)
3 SWING JOINT, SEE DETAIL
4 SCH. 40 PVC 90° ELBOW SLIP TO THREAD
5 LATERAL LINE IRRIGATION (SEE IRRIGATION PLANS FOR SIZING)
6 EDGE OF ROOT BALL. SETTLE BACKFILL SO IRRIGATION FLOWS THROUGH ROOT BALL
7 EDGE OF ROOT BALL
8 EXISTING OR MODIFIED SOIL (SEE SPECIFICATIONS FOR SOIL MODIFICATION)
9 SCH. 40 PVC TEE OR 90° ELBOW

6 IRRIGATION BUBBLER W/ LAYOUT
3/4" = 1'-0" FX-IR-FX-BUBB-04



NOTE:
1. LOCATE VALVE BOX WITHIN 24" OF PAVEMENT EDGE IN PLANTING AREA WHERE EASILY ACCESSIBLE WHENEVER POSSIBLE.
2. COMMON WIRE AND CONTROLLER WIRE SHALL BE DIRECT BURIAL 14 AWG OR LARGER. COLOR: COMMON (WHITE), CONTROLLER WIRE FOR TURF (BLUE), AND CONTROLLER WIRE FOR SHRUBS (RED). (SEE SPECIFICATIONS FOR 2-WIRE CONTROLLERS).
3. ALL WIRE RUNS SHALL BE CONTINUOUS WITHOUT ANY SPLICES UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. SEE SPLICE BOX DETAIL. WIRE CONNECTIONS SHALL BE MADE USING DBR/Y-6 CONNECTORS OR APPROVED EQUAL.
4. VALVE BOX SHALL BE WRAPPED WITH MIN. 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.
5. MAINLINES 4" OR LARGER SHALL USE SADDLES AT THE CONNECTIONS POINTS TO THE IRRIGATION VALVE. (SEE SPECIFICATIONS FOR IRRIGATIONS SADDLES).
6. ALL SCH. 80 PVC TO SCH. 40 PVC THREADED CONNECTIONS SHALL BE MADE USING TEFLON TAPE.
7. VALVE BOXES SHALL BE LOCATED IN PLANTING AREAS.

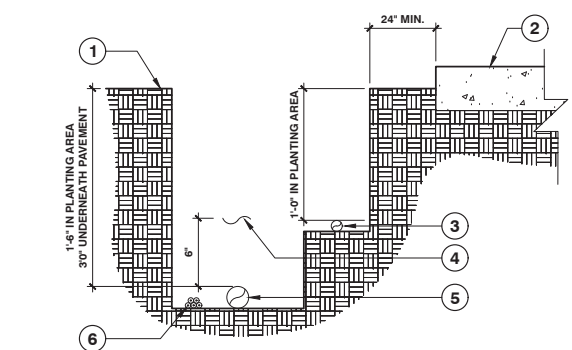
7 REMOTE CONTROL IRRIGATION VALVE
1 1/2" = 1'-0" FX-IR-FX-RCV-02



NOTES:
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 40 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

1 PAVEMENT
2 BASE ROCK
3 CLEAN BACKFILL, 95% RELATIVE COMPACTION UNDER PAVING OR PER CIVIL ENGINEER'S PLANS
4 CONTROL WIRES, SLEEVE UNDER PAVING. INSTALL ADJACENT TO PRESSURIZED MAINLINE. BUNDLE SHALL BE NO MORE THAN 50% OF PIPE DIAMETER
5 MAINLINE, SLEEVE UNDER PAVING TO BE TWO TIMES THE DIAMETER OF THE PRESSURIZED MAINLINE PIPE
6 NON-PRESSURIZED LINE, SLEEVE UNDER PAVING TO BE TWO TIMES THE DIAMETER OF THE LATERAL LINE

8 PIPE BENEATH PAVEMENT
1" = 1'-0" FX-IR-FX-AUXEQ-05



NOTES:
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. DIRECT BURIAL CONTROL WIRES SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT IF REQUIRED.
3. 2-WIRE IRRIGATION WIRE SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT.
4. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

1 FINISHED GRADE
2 PAVEMENT
3 NON-PRESSURIZED LINE (LATERAL LINE)
4 DETECTABLE LOCATOR TAPE
5 PRESSURIZED LINE (MAINLINE)
6 DIRECT BURIAL LOW VOLTAGE CONTROL WIRES

9 IRRIGATION TRENCHING
1 1/2" = 1'-0" FX-IR-FX-AUXEQ-08

PURPLE
MARTIN
STUDIO
LANDSCAPE
ARCHITECTURE



3001 SW 27th Ave UNIT 308
MIAMI, FL 33133
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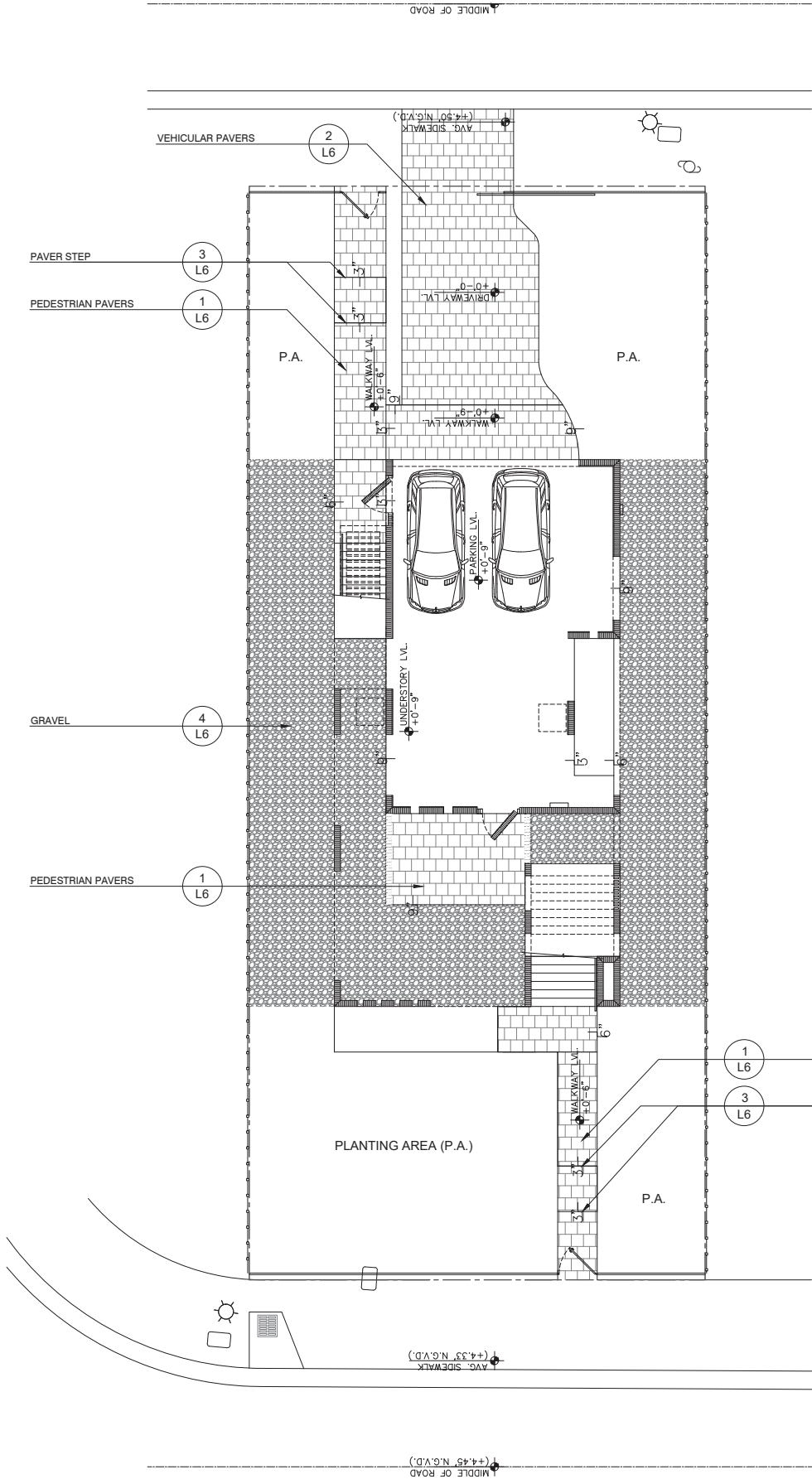
DESOSA RESIDENCE
281 PALM AVENUE
MIAMI BEACH, FLORIDA

PROJECT:

REVISIONS:
1)

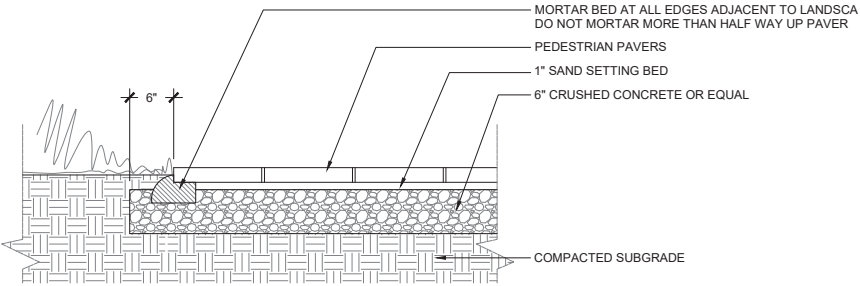


DRAWING: IRRIGATION DETAILS
SCALE: DATE: 04.08.22
SHEET #
L-5
CAD ID:

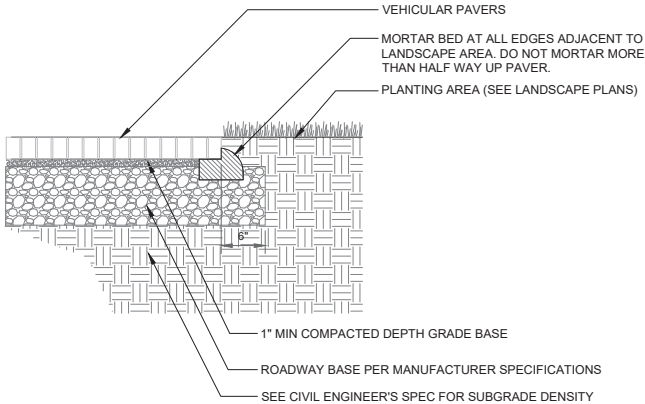


HARDSCAPE PLAN

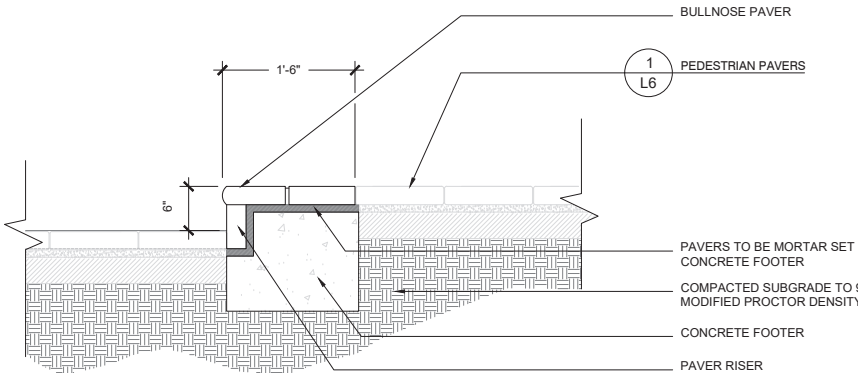
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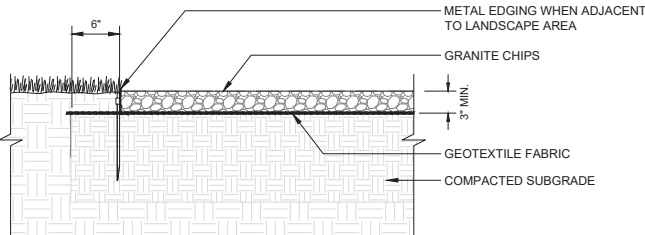
1 PEDESTRIAN PAVERS
SCALE: 1" = 1' - 0"



2 VEHICULAR PAVERS
SCALE: 1" = 1' - 0"



3 PAVER STEP
SCALE: 1/2" = 1' - 0"



4 GRAVEL
SCALE: 1" = 1' - 0"

HARDSCAPE MATERIALS SCHEDULE	
ITEM	DESCRIPTION
PEDESTRIAN PAVERS	PEDESTRIAN RATED CONCRETE PAVERS
VEHICULAR PAVERS	LIGHT VEHICULAR RATED CONCRETE PAVERS
GRAVEL	WALKWAY GRAVEL

PURPLE
MARTIN
STUDIO
LANDSCAPE
ARCHITECTURE



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352.494.6733

DESOUZA RESIDENCE

281 PALM AVENUE
MIAMI BEACH, FLORIDA

PROJECT:

REVISIONS:
1)

SEAL:



MEMBER ASLA: FL LICENSE #LA6667363

DRAWING: HARDSCAPE PLAN

SCALE: DATE: 05.20.22

SHEET #

L-6

CAD ID: