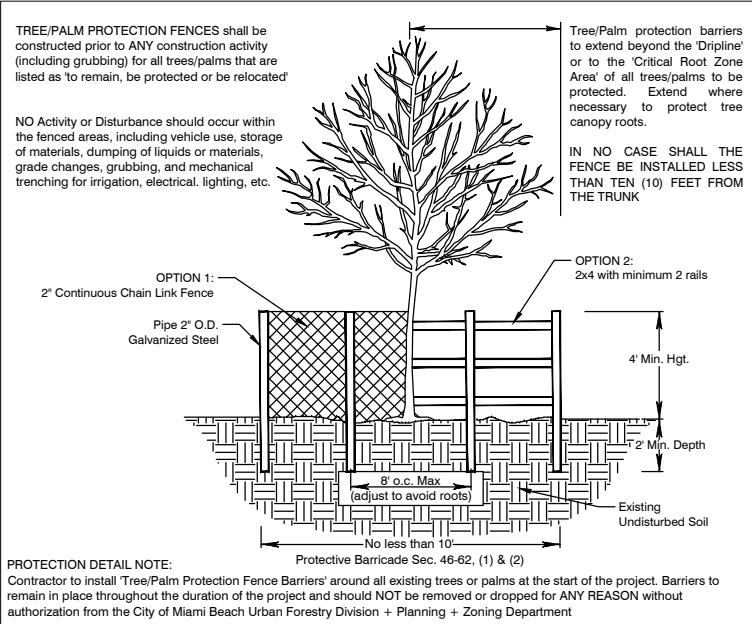
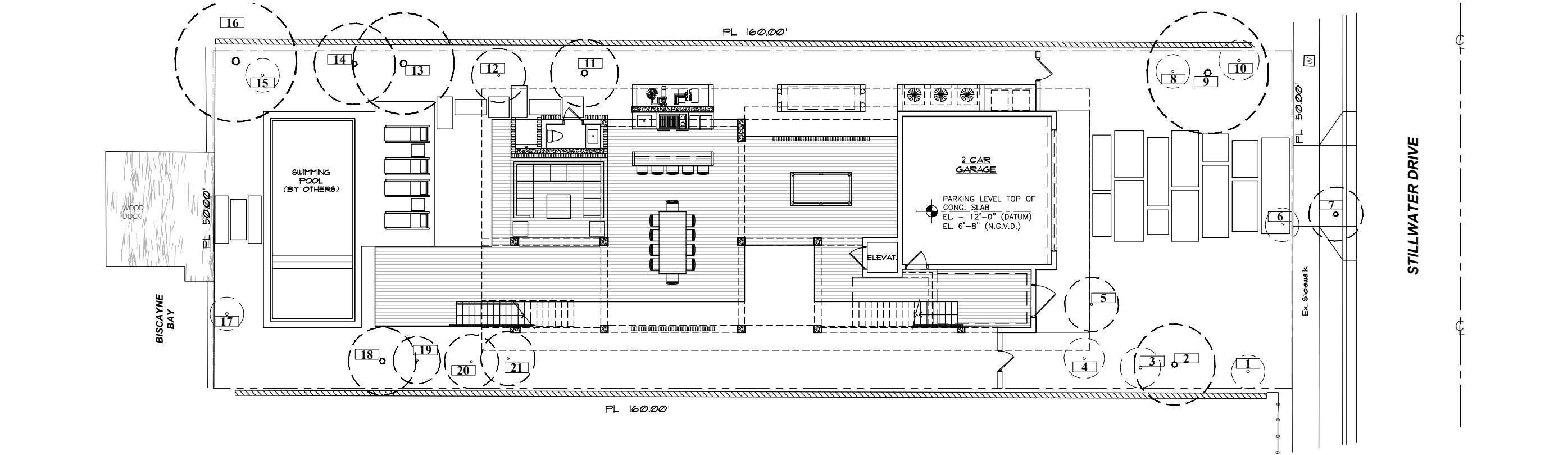
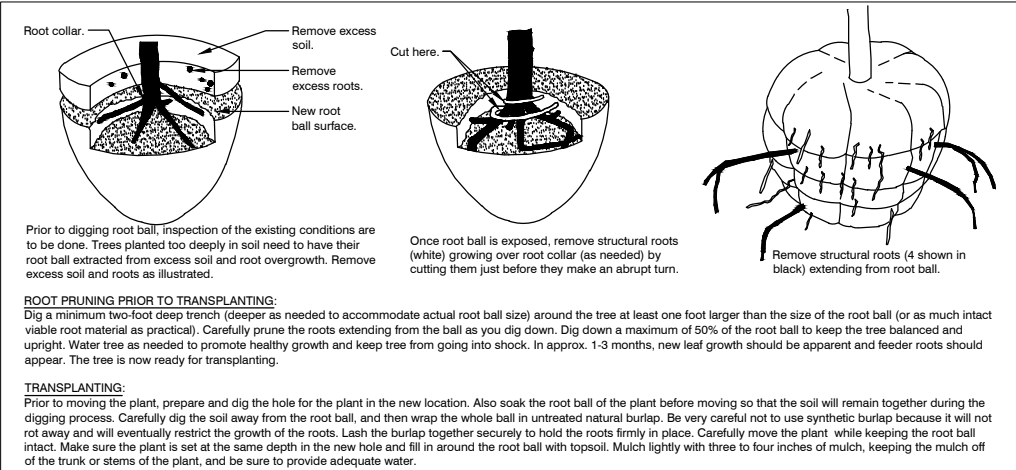




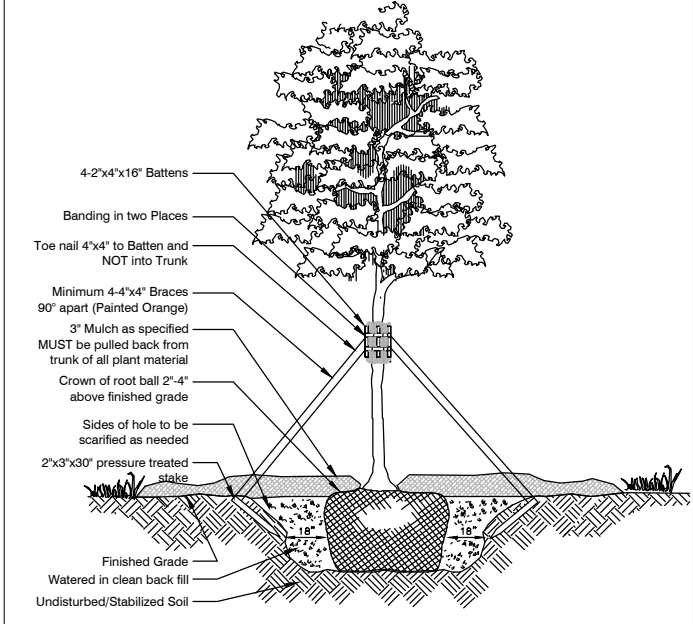
1 Tree Protection Barrier Detail

SCALE: 1/2" = 1' - 0"



3 Tree Root Prune and Transplant Detail

SCALE: N.T.S.



2 Tree Relocation Support and Planting Hole Detail

SCALE: N.T.S.

RELOCATION NOTES:

1. Tree canopy to only be pruned to remove dead branches and to provide space for lifting straps to be used without damaging tree.
2. Root pruning - Root pruning of palms can be done the same day as they are to be relocated unless otherwise noted. For trees, root prune to be for 2 months. NOTE: If due to time of year, spring flush of new leaves starts prior to relocation, time frame to be extended for a minimum 1 extra month to allow new growth to harden.
3. New irrigation zone to be created on existing system to allow bubbler/drip rings to be installed around tree to be relocated. Once root prune has begun, tree is to be watered daily. This is to continue for a minimum of 3 months AFTER trees have been relocated.
4. Tree is to be lifted with straps and tree crane ONLY. Drilling a hole and pinning tree is NOT an acceptable relocation method.
5. After relocation, braces for trees to be installed as noted in detail #2.
6. Size of transplant hole as noted in detail #2 is to be 12"-18" wider than root ball size (see 7. below) and edges to be scarified per ANSI A300-Part 6 Planting and Transplanting.
7. Root Ball size for trees to be relocated to have 8" for every inch of DBH per ANSI A-300-Part 6 Planting and Transplanting. Root ball size to be as shown: Tree #7: 6' diameter
8. Certified Arborist to perform or supervise relocation process.
9. Tree MUST survive or be replaced with same size tree.

EXISTING TREE LEGEND						
TREE #	COMMON NAME	SCIENTIFIC NAME	DBH (INCHES)	HEIGHT (FEET)	SPREAD (FEET)	STATUS
1	Christmas Palm (3 Trunk)	<i>Adonidia merrillii</i>	5	8	5	Remove - Not a Tree - No Mitigation
2	Queen Palm	<i>Syagrus romanzoffiana</i>	9	20	12	Remove - Mitigate
3	Christmas Palm (3 Trunk)	<i>Adonidia merrillii</i>	5	8	6	Remove - Not a Tree - No Mitigation
4	Chinese Fan Palm	<i>Livistona chinensis</i>	0	5	6	Remove - Not a Tree - No Mitigation
5	Pygmy Date Palm (2 Trunk)	<i>Phoenix roebelenii</i>	4	8	8	Remove - Not a Tree - No Mitigation
6	Pygmy Date Palm (3 Trunk)	<i>Phoenix roebelenii</i>	4	6	5	Remove - Not a Tree - No Mitigation
7	Crepe Myrtle	<i>Lagerstroemia indica</i>	8	12	8	Relocate
8	Chinese Fan Palm	<i>Livistona chinensis</i>	0	6	5	Remove - Not a Tree - No Mitigation
9	Coconut Palm	<i>Cocos nucifera</i>	11	25	18	Remove - Mitigate
10	Christmas Palm (3 Trunk)	<i>Adonidia merrillii</i>	5	8	6	Remove - Not a Tree - No Mitigation
11	Areca Palm	<i>Dypsis lutescens</i>	10	14	10	Remove - Not a Tree - No Mitigation
12	Chinese Fan Palm	<i>Livistona chinensis</i>	0	6	8	Remove - Not a Tree - No Mitigation
13	Coconut Palm	<i>Cocos nucifera</i>	11	30	15	Remove - Mitigate
14	Coconut Palm	<i>Cocos nucifera</i>	8	10	12	Remove - Not a Tree - No Mitigation
15	Christmas Palm (3 Trunk)	<i>Adonidia merrillii</i>	5	8	5	Remove - Not a Tree - No Mitigation
16	Coconut Palm	<i>Cocos nucifera</i>	12	35	18	Remove - Mitigate
17	Christmas Palm (2 Trunk)	<i>Adonidia merrillii</i>	5	8	5	Remove - Not a Tree - No Mitigation
18	Queen Palm	<i>Syagrus romanzoffiana</i>	9	22	10	Remove - Mitigate
19	Chinese Fan Palm	<i>Livistona chinensis</i>	0	6	7	Remove - Not a Tree - No Mitigation
20	Chinese Fan Palm	<i>Livistona chinensis</i>	0	5	8	Remove - Not a Tree - No Mitigation
21	Chinese Fan Palm	<i>Livistona chinensis</i>	0	6	8	Remove - Not a Tree - No Mitigation

TREE MITIGATION:

There is NO tree DBH to be replaced with this permit.

Palms #: 2, 8, 13, 16, & 18 to be mitigated per City of Miami Beach Code 46-61.(1)(c) with 1 tree per palm removed. Replacing 5 Palms = 5 Trees with 2" DBH and 12' min. height at time of planting

TOTAL of 5 Trees to Mitigate.

Adding 5 Trees:

2 Green Buttonwood w/ 2" dbh / 6' spr. / 12' hgt. =	2 trees
3 Pigeon Plum w/ 2" dbh / 6' spr. / 12' hgt. =	3 trees
TOTAL =	5 trees

NOTE: Palms #: 1, 3, 4, 5, 6, 8, 10, 11, 12, 14, 15, 17, 19, 20, & 21 do not meet the minimum standard set forth in City of Miami Beach code 46-56. Definitions a Palm must be both 16' in height and have a DBH of 6". As these trees do not have the proper DBH or Height they are listed as to be removed without any mitigation. Palms listed with Zero (0) DBH do not have any trunk at a height of 4.5' and as such do not have a DBH to depose.



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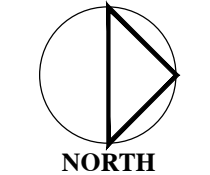
Landscape Architects,
Site Planners &
Innovative Sustainable
Designers

PROJECT: **PRIVATE RESIDENCE**
1520 Stillwater Drive Miami Beach, FL 33141

DRAWING TITLE:

PROPOSED SITE TREE DISPOSITION

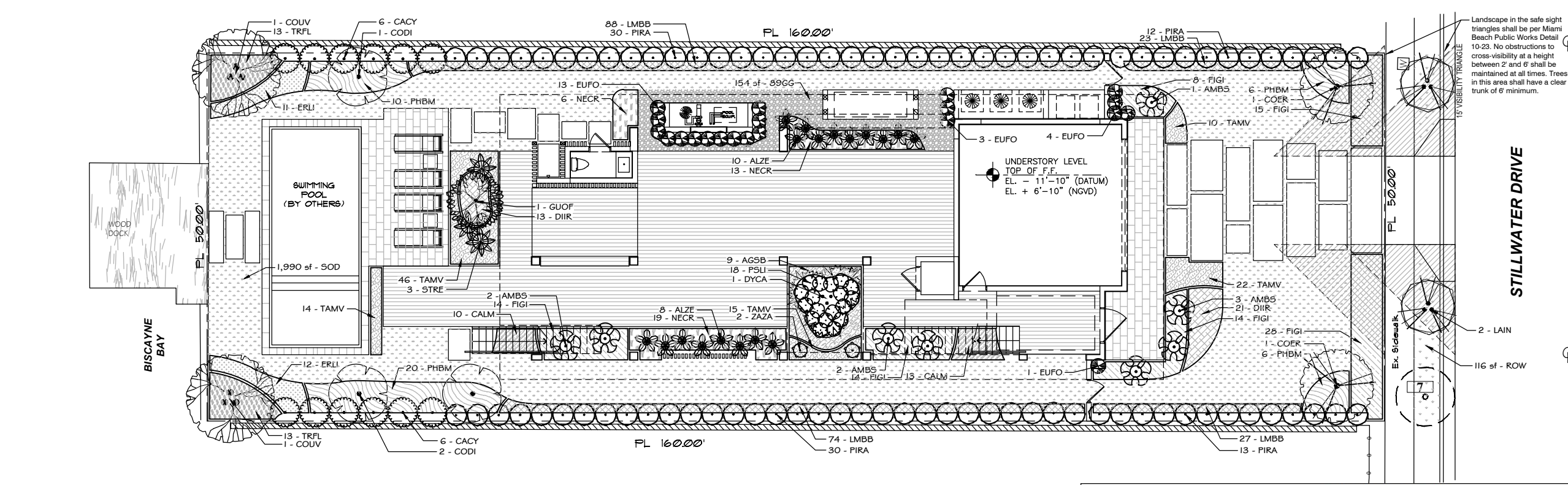
DATE: 01-29-2025



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

SHEET #
LE-1

11285 SW 211 St. - Ste 301
Cutler Bay, Florida 33189
(305) 668-3196
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LANDSCAPE NOTES

1. All plant material to be Florida No.1 or better per most current version of "Grades and Standards for Nursery Plants, Part I and II," prepared by the State of Florida Department of Agriculture and Consumer Services.
2. All planting beds to be topped with 2" min. mulch "Grade A", unless otherwise noted. A two-inch layer, after watering in, of mulch must be placed and maintained around all newly installed trees, shrubs, and ground cover plantings. Each tree must have a ring of mulch no less than 24 inches beyond its' trunk in all directions. Red mulch is not acceptable. CYPRESS MULCH WILL NOT BE USED.
3. All trees to be staked in good workmanlike manner. No nail staking permitted. (Refer to planting details) Landscape contractor is responsible for removing trees stakes once trees are established.
4. Landscape plan shall be installed in compliance with all local codes. Local codes take precedence over Landscape plan.
5. All tree holes to be back filled around and under root ball with planting soil. All shrub beds to be installed with planing soil (see planting details).
6. Sod shall be as specified in the landscape plan. Solid sod shall be laid with alternative and abutting joints, with 2" top soil minimum if required.
7. All trees and palms are to be guaranteed for one year. All shrubs and ground covers shall be guaranteed for six months from date of final acceptance.
8. All planting beds shall be free of weeds, grass, litter, and construction debris prior to planting.
9. All trees, palms, shrubs, and groundcover plants shall be fertilized at installation with slow release fertilizer, according to manufacturer's recommendations (submit sample for approval).
10. Landscape contractor shall review all drawings and prepare his own take off and plant list prior to bid cost, and compare to Landscape Architect's plant list. Sizes specified on Landscape plan are deemed to be minimums. Landscape Contractor is responsible for attaining accurate counts of plant materials specified. In the event of discrepancies, Landscape Contractor shall bring to the attention of the Landscape Architect. Plan shall take precedence over plant list. No Exceptions!
11. Landscape Contractor shall locate and verify all underground utility prior to digging. Plantings in Easements: Utility, power, or drainage easements may overlap required buffers; however no required trees or shrubs may be located in any utility, power, or street easement or right-of-way.
12. All trees, except street trees, shall be a minimum of twelve (12) feet high and have a minimum dbh of two (2) inches at time of planting except that thirty (30) percent of the tree requirement may be met by native species with a minimum height of eight (8) feet and a minimum dbh of one and one-half (1½) inches at time of planting. Street trees shall have a clear trunk of four (4) feet, an overall height of fifteen (15) feet and a minimum dbh of three (3) inches at time of planting, and shall be provided along all roadways at a maximum average spacing of thirty (30) feet on center.
13. All shrubs must be a minimum of 18" in height at time of planting. When used as a visual screen, buffer, or hedge, shrubs shall be planted at a maximum average spacing of thirty (30) inches on center or if planted at a minimum height of thirty-six (36) inches, shall have a maximum average spacing of forty-eight (48) inches on center and shall be maintained so as to form a continuous, unbroken and solid visual screen within one (1) year after time of planting.
14. All material is subject to availability at time of installation. Substitutions MUST be cleared with Landscape Architect prior to install.
15. All newly planted areas to receive 100% coverage (with 50% overlap) by automatic irrigation system (refer to irrigation plan).
16. All existing plant material to remain shall be protected (see planting details).
17. All trees to be relocated will get root pruned a minimum of 30 days prior to relocation (more if req. by species). Upon relocation, thin out (under LA direction) 25% of tree canopy.
18. After removal/relocation of existing trees and palms, backfill tree pit with planting soil and sod disturbed area (if needed) to bring them to the same level of the surrounding areas.
19. No changes shall be made without the prior consent of the Landscape Architect and Owner.
20. Nursery Support Poles shall be removed at the Nursery, prior to delivery. Any trees delivered with nursery poles will be rejected.

TREE MAINTENANCE NOTES

1. Begin maintenance immediately after planting. Maintain all plant material until final acceptance and for a maintenance and warranty period of twelve (12) months after final acceptance.
2. Maintenance shall include but is not limited to pruning, cultivating, mowing, weeding, fertilizing, watering, and application of appropriate pesticides necessary to maintain plants in healthy condition.
 - 1) Reset settled plants to proper grade and position.
 - 2) Restore soil berm and mulch layer.
 - 3) Tighten and repair elastic guys or other supports
 - 4) Correct defective work.
 - 5) Remove and replace rejected material within one (1) working day from notification.
 - 6) Maintain mulch surface weed-free.
3. The contractor is entirely responsible for the irrigation through final acceptance and twelve- (12) month warranty period. Plant material shall receive water in accordance with the water schedule established per Irrigation Notes.

LANDSCAPE LEGEND							
TAG	QTY	BOTANICAL NAME	COMMON NAME	SIZE DBH	INSTALL HGT / SPR	SPACING	NATIVE
STREET TREES							
LAIN	2	Lagerstroemia indica	Crape Myrtle	3"	14' / 6'	20' OC	NO
SITE TREES							
CODI	3	Coccoloba diversifolia	Pigeon Plum	2"	12' / 6'	N/A	YES
COUV	2	Coccoloba wifera	Sea Grape	6" multi-trunk	16' / 8'	N/A	YES
COER	2	Conocarpus erectus	Green Buttonwood	2"	12' / 6'	N/A	YES
GUOF	1	Guaiacum officinale	Lignum Vitae	2"	8' OA	N/A	YES
SITE PALMS							
DYCA	1	Dypsis cabadae	Cabada Palm	8"	14' OA	N/A	NO
SHRUB S							
AGSB	9	Aqlaonema x 'Silver Bay'	Silver Bay Aqlaonema	3 gal	18"-24"	30" OC	NO
ALZE	18	Alpinia zerumbet	Shell Ginger	7 gal	42"-48"	36" OC	NO
AMBS	8	Alocasia macrorrhizos 'Black Stem'	Black Stem Alocasia	7 gal	42"-48"	N/A	NO
CACY	12	Capparis cynophallophora	Jamaica Caper	25 gal	72"	48" OC	YES
CALM	23	Calathea makoyana	Peacock Plant	1 gal	12"	18" OC	NO
DIIR	34	Dietes iridioides	African Iris	3 gal	18"	18" OC	NO
ERLI	23	Ernodea littoralis	Golden Creeper	3 gal	18"	24" OC	YES
EUFO	21	Eugenia foetida	Spanish Stopper	7 gal	36"	24" OC	YES
FIGI	93	Ficus 'Green Island'	Green Island Fig	3 gal	18"-24"	24" OC	NO
LMBB	212	Liriope muscari 'Big Blue'	Liriope	1 gal	8"	15" OC	NO
NECR	38	Neomarica caerulea 'Regina'	Regina Iris	3 gal	18"	24" OC	NO
PHBM	42	Philodendron x 'Burle Marx'	Burle Marx Philodendron	3 gal	18"	30" OC	NO
PIRA	85	Pimenta racemosa	Bay Rum	15 gal	6' ftb	36" OC	NO
PSLI	18	Psychotria ligustrifolia	Bahama Coffee	3 gal	36"	24" OC	YES
STRE	3	Strelitzia reginae	Bird Of Paradise	7 gal	36"	N/A	NO
TAMV	107	Trachelospermum asiaticum 'Minima Variegata'	Minima Variegated Asian Jasmine	1 gal	4"	15" OC	NO
TRFL	26	Tripsacum floridanum	Dwarf Fakahatchee	3 gal	12"	24" OC	YES
ZAZA	2	Zamioculcas zamiifolia	ZZ Plant	3 gal	18"	N/A	NO
MISCELLANEOUS							
89GG	154 sf	#89 Gray Granite	Loose Gravel	N/A	N/A	N/A	N/A
ROW	116 sf	Stenotaphrum secundatum	St. Augustine Grass	sod	N/A	N/A	NO
SOD	1,990 sf	Zovsia japonica 'Empire'	Empire Zovsia	sod	N/A	N/A	NO

LANDSCAPE CALCULATIONS

Zoning District: **RS-4**
Net Lot Area: **0.184** acres **8,000** square feet

OPEN SPACE	REQUIRED	PROVIDED
A. Square feet of open space as indicated on site plan		
Front Yard Total: 1,500 square feet x 70% =	1,050 s.f.	1,050 s.f.
Rear Yard Total: 1,200 square feet x 70% =	840 s.f.	889 s.f.

LAWN AREA CALCULATION	REQUIRED	PROVIDED
A. Maximum lawn area (St. Augustine sod) permitted = 50 % x 4,017 square feet	2,009 s.f.	1,990 s.f.

TREES	REQUIRED	PROVIDED
A. # of trees required per lot (5 for 1st 6,000 s.f. + 1 for each ad. 1,000 s.f.)	7 trees per lot	0 existing trees
the existing number of trees that meet minimum requirements		7 trees
Total lot trees required/provided 7 lot trees - 0 existing trees =	7 trees	7 trees
B. Percentage of native trees required (trees per lot 7) x 30% =	2 trees	7 trees
C. Low maintenance / drought and salt tolerant required (trees per lot 7) x 50% =	4 trees	7 trees
D. Street trees (max. average spacing of 20' o.c.): 50 linear feet along street ÷ 20 =	3 trees	3 trees
	(1 Existing (#7 Crape Myrtle) + 2 New)	
E. Total number of trees Required =	10 trees	10 trees

SHRUBS	REQUIRED	PROVIDED
A. The total number of trees required x 12 = the number of shrubs required	120 shrubs	268 shrubs
B. The number of shrubs required x 50% = the number of native shrubs required	60 shrubs	88 shrubs

LARGE SHRUBS OR SMALL TREES	REQUIRED	PROVIDED
A. The total number of shrubs required x 10% = the # of large shrubs small trees required	12 large shrubs	12 large shrubs
B. The number of large shrubs required x 50% = the number of native large shrubs required	6 large shrubs	12 large shrubs



BRUCE HOWARD & ASSOCIATES, INC.

**Landscape Architects,
Site Planners &
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Designers**

PROJECT:

PRIVATE RESIDENCE

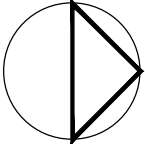
1520 Stillwater Drive

Miami Beach, FL 33141

DRAWING TITLE:

PROPOSED SITE LANDSCAPE PLAN

DATE: 01-29-2025



NORTH

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

SHEET #

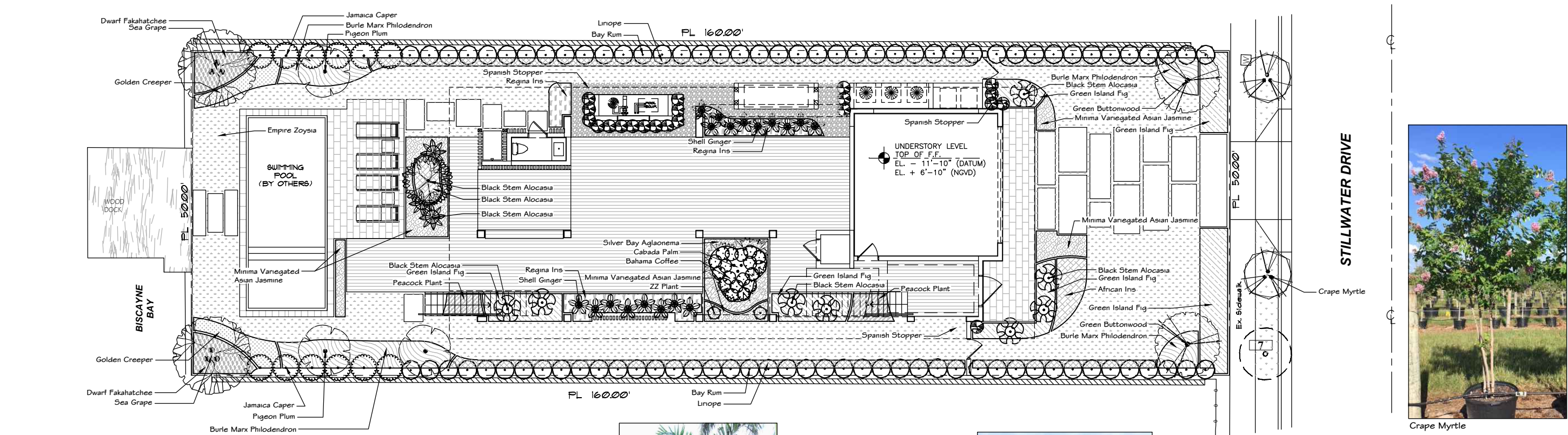
LP-1

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Cutler Bay, Florida 33189

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STILLWATER DRIVE



Crape Myrtle



Sea Grape



Minima Variegated Asian Jasmine



ZZ Plant



Cabada Palm



Silver Bay Aglaonema



Lignum Vitae



Spanish Stopper



Green Buttonwood



Dwarf Fakahatchee



Golden Creeper



Peacock Plant



Shell Ginger



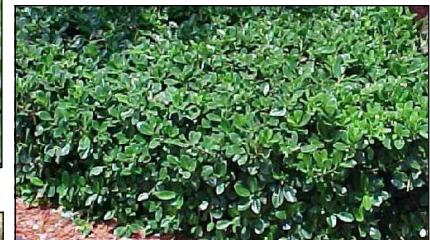
Bahama Coffee



Bird Of Paradise



Burle Marx Philodendron



Green Island Fig



Pigeon Plum



Jamaica Caper



Bay Rum



Liriope



Regina Iris



Black Stem Alocasia



African Iris



Minima Variegated Asian Jasmine



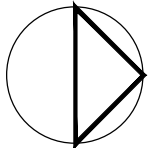
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PROJECT: **PRIVATE RESIDENCE**
1520 Stillwater Drive Miami Beach, FL 33141

DRAWING TITLE: **LANDSCAPE PLANT PHOTOS**

DATE: 01-29-2025

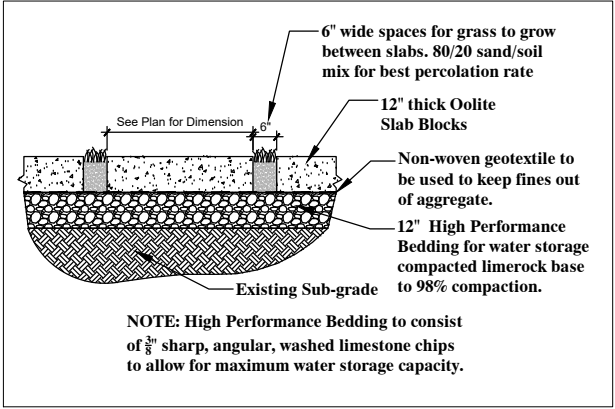
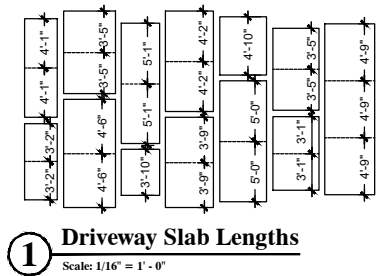
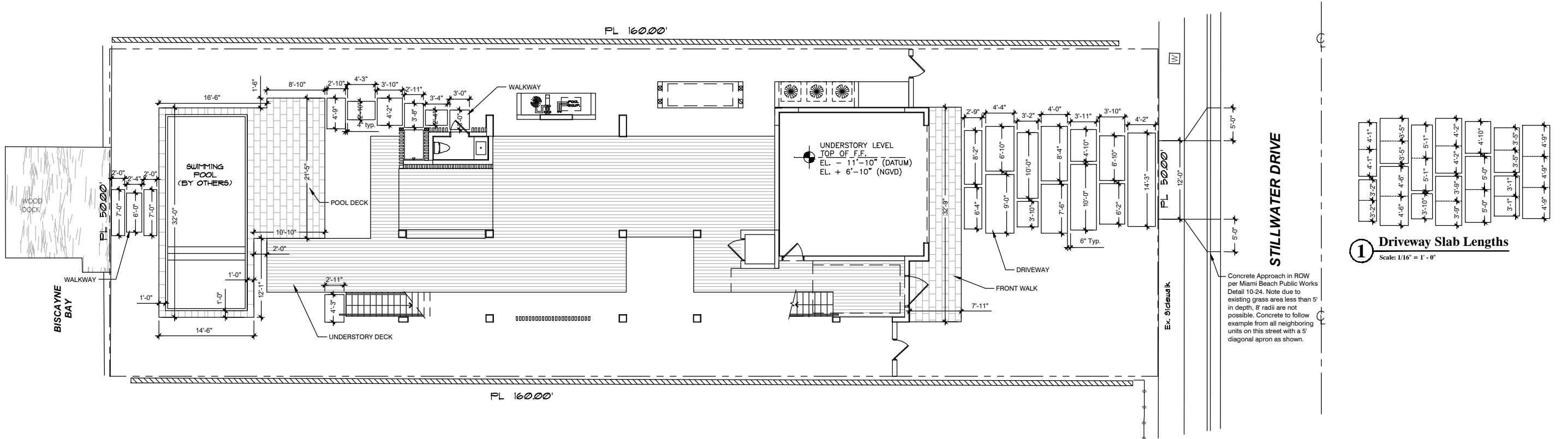


NORTH

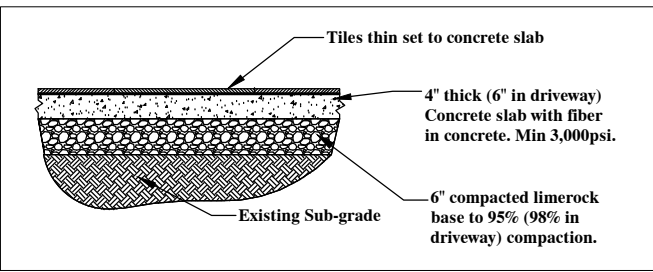
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SHEET #
LP-2

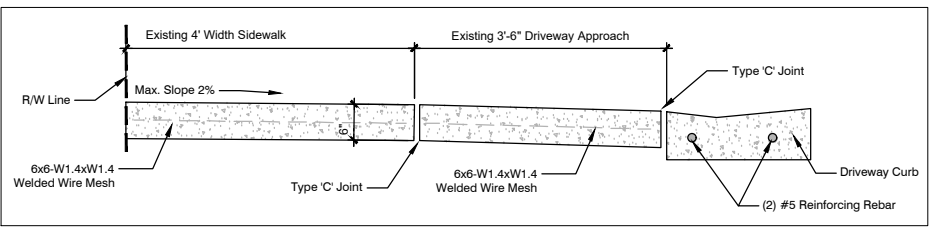
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② Section through Driveway
Scale: N.T.S.



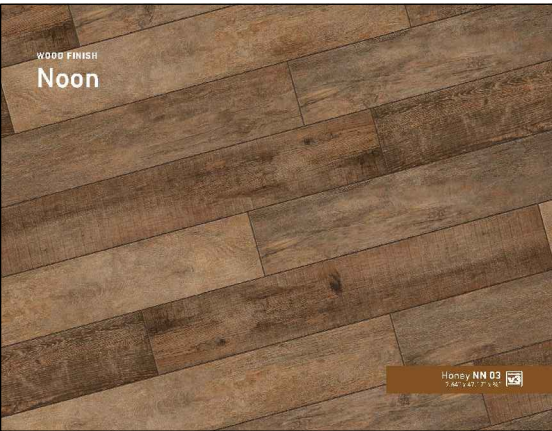
③ Section through Walkway/Pool Deck/Front Walk
Scale: N.T.S.



④ Section through Sidewalk-Approach - MBPW Detail 10-24
Scale: 3/4" = 1' - 0"



POOL DECK / FRONT WALK / WALKWAY - Dominican Stone



UNDERSTORY DECK - Porcelain tile "Aged Wood" Look



DRIVEWAY - Oolite Slabs

Hardscape Materials Schedule		
PATTERN	QTY.	SPECIFICATIONS
DRIVEWAY	± 382 sq. ft.	12" thick Oolite Shellstone Slabs saw cut to dimensions as per plan. Each piece to be cut to length shown dimension layout 1 with a max length of 5'. Butt pieces together to make the solid slabs shown.
POOL DECK & FRONT WALK	± 510 sq. ft.	12"x24"x $\frac{3}{4}$ " thick mud set Dominican Coralstone tiles in running bond pattern as shown. Align to deck to minimize cut pieces.
WALKWAY	± 123 sq. ft.	1 $\frac{1}{2}$ " thick mud set Dominican Coralstone tiles. Solid pieces in the dimensions as shown on plan.
UNDERSTORY DECK	± 1,542 sq. ft.	12"x48"x $\frac{3}{4}$ " thick mud set porcelain tiles by Belgard. Aged wood look to match Mahogany shown on house. "Noon" in color Honey (NN03). Install in a random running bond to mimic real wood.

HARDSCAPE NOTES

- * Paver quantities are **actual amounts** and do not allow for cuts or broken pieces. Contractors to do their own 'take-off' and quantifying of material.
- * Paving contractor to meet with Landscape Architect on site to review all paving conditions and patterns, prior to ordering material.

General Sediment and Erosion Control Notes (Per MBPW - SES14)

- The contractor is responsible for following the best erosion and sediment control practices as outlined in the plans, specification, applicable permit(s), and the prevention, correction, control, and abatement of erosion and water pollution in accordance with chapter 62-302, Florida Administrative Code.
- Erosion and sediment control barriers shall be placed where there is potential for downstream water quality degradation.
- The site contractor is responsible for removing the temporary erosion and sediment control devices after completion of construction and only when areas have been stabilized.
- The site contractor is responsible for the maintenance of BMPs to make sure they are functioning as designed at all times.
- The BMP structures shall be inspected after each rain and repairs made as needed. Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the barrier.
- Correctly installed silt fences will be used along the limits of construction to minimize offsite siltation migration.
- Sod shall be placed in areas which may require immediate erosion protection to ensure water quality standards are maintained and where no active construction is occurring.
- The contractor shall pay for any water quality control violations from any agency that results in fines being assessed to the owner because of the contractor's failure to eliminate turbid runoff from leaving the site and raising background levels of turbidity above existing background levels.

Inlet Protection

- Wire mesh shall be laid over the top drop inlet so that the wire extends a minimum of 1 foot beyond each side of the inlet structure. Hardware cloth or comparable wire mesh with $\frac{1}{2}$ - inch opening shall be used. If more than one strip of mesh is necessary the strips shall be overlapped.
- FDOT NO. 1 coarse aggregate shall be placed over the wire mesh as indicated on detail. The depth of stone shall be at least 12 inches over the entire inlet opening. The stone shall extend beyond the inlet opening at least 18 inches on all sides.
- If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stone must be pulled away from the inlet, cleaned and replaced.
- The filter barrier shall be entrenched and backfilled. A trench shall be excavated around the inlet and width of a bale to a minimum depth of four inches. After the bales are stacked, the excavated soil shall be backfilled and compacted against the filter barrier.
- Bale shall be either wire-bound or string-tied with the bindings oriented around the sides rather than over and under the bales.
- Bales shall be placed lengthwise in single row surrounding the inlet with the ends of adjacent bales pressed together.
- Each bale shall be securely anchored and held in place by at least two stakes or rebars driven through the bale.
- Loose straw should be wedged between bales to prevent water from entering between bales.

Turbidity Barriers

- Floating turbidity barriers will be placed at all outfall locations connected to the work area during active construction. If seagrasses are present barriers will not be placed over them. The floating turbidity barriers shall be installed in a manner to prevent manatee entanglement.
- Turbidity barriers to be marked with site contractor's company name using permanent markings no smaller than 3 inches in height on the top of the barrier.

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Designers

PROJECT: **PRIVATE RESIDENCE**
1520 Stillwater Drive Miami Beach, FL 33141

DRAWING TITLE: **PROPOSED SITE HARDSCAPE PLAN**

DATE: 01-29-2025

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

SHEET #
LH-1

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