

72B

MIAMI BEACH, FL 33141

DESIGN REVIEW BOARD FINAL SUBMITTAL

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LANDSCAPE INDEX OF DRAWINGS



DATE:
 August 7, 2023

L0-00

GENERAL NOTES

1. These plans reflect the scope of the Landscape Architect external services. For Architectural, Civil, please refer to the appropriate consultant documents.
2. The locations of all site amenities are approximate and may be adjusted in the field with owner and/or their representatives approval. See plans for locations of fixed amenities.
3. The locations of plants, as shown in these plans, are approximate. The final locations may be adjusted to accommodate unforeseen field conditions to comply with safety criteria, to avoid creating unsafe sight conditions, or as otherwise directed by or approved by the landscape architect or owner's representative.
4. Construction shall comply with all local building codes.
5. All dimensions shall be verified in the field prior to construction. Written dimensions shall take precedence over scaled drawings.
6. If a discrepancy should arise between layout geometry and design intent, design intent shall take precedence.
7. The following submittals require separate sub-permits:
 - 7.1. Light Poles
 - 7.2. Fences and Gates
 - 7.3. Foundations for trellises, benches, and equipment.

GENERAL GRADING NOTES

1. All grading information provided is intended for aesthetic purposes and to show relationships only. For detailed grading information see Civil Engineers drawings.
2. Rough grading and site preparation shall be completed for review by Landscape Architect / or owners representative prior to final grading.
3. Roadway grading and transition areas to be reviewed and approved by Civil / Traffic Engineer.
4. Grading and calculations for retention areas to be provided by Civil Engineers.
5. Contractor shall not substantially modify grading plan without the approval of designer. All site aesthetic grading is subject to review and approval of the landscape architect or owner's representative.
6. All graded areas shall be dragged with a drag mat or hand radeel to blend in small imperfections and round off any sharp lines that may have been constructed by equipment. All areas to be planted shall have no water holding pockets.

GENERAL SITE LIGHTING NOTES

1. All electrical wiring and circuiting by Electrical Engineer in future permit set.
2. Shop drawings shall be required by manufacturers and/or contractors for all connections, footers, electrical requirements and color samples for review and approval by the landscape architect or owner's representative.
3. Photometrics to be provided by the Engineer and coordinated with Landscape Architect/or owner representative.
4. Transformers and other exterior ballasts shall be hidden from general view with landscaping and/or appropriate enclosures. This should be coordinated with Landscape architect.

GENERAL LANDSCAPE NOTES

1. The Contractor shall be responsible for verifying all underground utilities prior to digging in any area. The contractor shall notify all necessary utility companies 48 hours minimum prior to digging for verification of all underground utilities, irrigation and all other obstructions and coordinate with Owner's Representative prior to initiating operations. Drawings are prepared according to the best information available at the time of preparing documents.
2. The contractor is responsible to ensure proper watering and maintenance of new and relocated plant materials during the one year warranty period.
3. Contractor is to report any discrepancies between the construction drawings and field conditions to the Owner's Representative immediately.
4. Landscape Contractor shall coordinate all work with related contractors and with the general construction of the project in order not to impede the progress of the work of others or the contractor's own work. Landscape contractor shall provide schedule of his/her work two weeks in advance, beginning two weeks prior to commencing landscape trade construction.
5. The location of the landscape holding area will be identified by the Owner or Owner's Representative. The Contractor shall adhere to the access routes to and from the holding area without disrupting or impeding access to the site by others. Contractor is responsible for the maintenance of all plant materials, including temporary irrigation and fertilization if necessary during construction, while being held in landscape holding areas.
6. The Contractor shall bear all costs of testing of soils, amendments, etc. associated with the work and included in the specifications. Prior to commencement of the landscape planting work the Contractor shall provide complete soil tests with recommendations for soil treatment in the construction area.
7. Landscape Contractor shall field stake the location of all plant material or field stake the plants prior to initiating installation for the review and approval of the Owner's representative and/or Landscape Architect. Note: **No planting shall commence until there is a functional irrigation system in the area to be planted. No trees shall be planted on top of irrigation lines.**
8. Landscape Contractor shall field adjust location of plant material as necessary to avoid damage to all existing underground utilities and/or existing above ground elements. All changes required shall be completed at the Contractor's expense and shall be coordinated with Owner's Representative and the Landscape Architect.
9. Any substitutions in size and/or plant species must be approved by the Landscape Architect or Owner's Representative prior to modification of the contract, purchasing and delivery of plants. All plants will be subject to approval by Landscape Architect and/or Owner's Representative before planting can begin. All plant materials will not include any plants considered to be invasive by the City of Miami Beach.
10. Contractor shall refer to the landscape planting details, general notes and the project manual and/or specifications for further and complete landscape planting instructions.
11. Landscape Contractor shall coordinate all planting work with permanent or temporary irrigation work. Landscape Contractor shall be responsible for all hand watering as required by Owner's Representative to supplement irrigation watering and rainfall. Landscape Contractor shall be responsible for hand watering in all planting areas, regardless of the status of existing or proposed irrigation.
12. Landscape Contractor shall clean the work areas at the end of each working day. Rubbish and debris shall be collected and deposited off-site or in an approved disposal area daily. All materials, products and equipment shall be stored in an organized fashion as directed by the Owner's Representative.
13. Landscape Contractor shall re-grade all areas disturbed by plant removal, relocation and/or installation work. Landscape Contractor shall replace (by equal size and quality) any and all existing or new plant material disturbed or damaged by plant removal, relocation, and/or installation work.
14. Site distance concerns must be maintained for clear site visibility from thirty (30) inches to seventy-two (72) inches, tree trunks are excluded as specified in appropriate municipal codes.

GENERAL LANDSCAPE NOTES CONT'D

15. Guying / staking practices shall not permit nails, screws, wires, etc., to penetrate outer surface of any tree or palm. Trees or palms rejected due to this practice shall be replaced at the Contractor's expense.
16. Burlap material, wire cages, plastic straps, etc., must be cut and removed from top one-third (1/3) of root ball.
17. Trees grown in grow bags or grow bag type material are not allowed.
18. All planting materials shall meet or exceed local requirements as specified by local plant standards.
19. All landscape installations shall meet or exceed the minimum requirements as shown in appropriate municipal codes.
20. The Contractor shall be responsible for the guarantee of all plant material for a period of twelve (12) months from the date of substantial completion. Substantial completion constitutes the beginning of guarantee period.
21. Plant size specifications take precedence over container size.
22. Contractor to verify quantities and report any discrepancies to Owners representative and/or Landscape Architect.
23. All plant material shall be graded Florida #1 or better.
24. All proposed planting beds will be planted out correctly with proper spacing.
25. All tree work will require permitting by a registered Miami-Dade County Tree Trimmer.
26. Burlap, wire cages, etc., be removed half way down root balls.
27. All tree pruning to follow ANSI 300 tree trimming standards.
28. Prior to delivery, nursery support poles shall be removed at the nursery. Trees delivered with the nursery poles will not be accepted. Exception: Clusia Rosea trees and Silver Buttonwood trees.

SOIL PREPARATION AND SOIL MIX

1. All plants noted for removal shall be relocated as shown on plans or removed and properly disposed of offsite at contractors expense unless otherwise noted.
2. Before finishing top soil grading, scarify & rake subsoil clear of stones (1" diameter and larger), debris, rubbish, and remaining roots from removed plant material to a depth of 6".
3. Plant holes should be dug and the sides and bottom of the hole should be stable, regardless of depth. Soil scarification is necessary if sides of the hole are compacted.
4. Contractor to apply approved pre-emergent herbicide in accordance with manufacturer's rate and specifications. Contractors to provide manufacturer's specifications for approval.
5. Planting soil mix for planters, trees, shrubs, and ground cover & grasses shall be determined by soil analysis prior to planting landscape.

The planting soil mix should be what comes out of the hole so the plant adapts to the surrounding/existing soil and grows into it. This is why the sides and the bottom of the planting hole should never be compacted with the digging implements. Never fertilize newly planted plants and trees. Please note that peat moss will eventually decompose and clog soil pores thereby inhibiting the plants water and oxygen consumption.

6. Topsoil shall be natural, fertile, agricultural soil capable of sustaining vigorous plant growth. It shall be of uniform composition throughout, with admixture of subsoil, it shall be free of stones, lumps, live plants and their roots, sticks, and other extraneous material. Top soil brought in should match as well as possible the existing soil texture and Ph. Planted material should never be "mounded" or raised; the soil will eventually wash away exposing the roots and it will be difficult to establish the plant material due to drought and excessive soil transpiration. All plant/tree material should be installed with the root collar exposed (approximately 1/2" to 1"). Landscape contractor should find the uppermost lateral root and plant that just below the soil surface.

7. Smooth topsoil without compaction to two inches (2") below finish grade in areas to be sodded without compaction.

8. Finish grade all topsoil areas to a smooth non-compacted, even surface assuring positive drainage away from the structures and eliminate any low areas except in retention areas where water may collect.

9. Contractor to remove debris and excess material immediately from job site while keeping in mind that heavy equipment will compact soil to the detriment of water drainage and the health of the newly installed plants. All planting areas with compacted soil will have surfaces scarified to a min. of 6" in depth.

PLANTING SPECIFICATIONS

1. The contractor is responsible for maintaining, in full, all planting areas (including watering, spraying, mulching, mowing, fertilizing, etc.) Until the job is accepted, in full, by the owner, its representative and Landscape Architect.
2. All plant material shall be protected during transport and delivery to final location with shade cloth or other acceptable means of windburn prevention. Plant/tree material shall conform to Florida # 1 as described in Florida grades & standards, the latest issue.
3. All trees must be guyed or staked as shown in details.
4. When plant material is delivered onsite, it shall not be laid down for more than two hours. Plant material when stored onsite shall be placed and maintained in good condition in a vertical position. All plants held onsite shall be kept watered regularly in sufficient amounts to permit continuous and vigorous growth.

5. Installation of all plant material shall be installed in a sound, workmanlike manner and according to accepted good planting and tree relocation procedures with the quality of plant materials as hereinafter described. All elements of landscaping shall be installed so as to meet all applicable ordinances and code requirements.

6. There shall be no chains or cables used directly on trees or palms, handle with 2" minimum width nylon straps or equal.

7. Contractor shall assure drainage and percolation of all planting pits. Prior to installation of plant material, contractor shall fill all tree pits with water before planting to assure that proper drainage and percolation is available. Correct if required to assure percolation. Contractor is responsible for replacement of all plants lost due to inadequate drainage conditions. Plant/tree material that has bark scraped off due to shipping, handling, and installation issues may be rejected upon inspection by the L.A.

8. Contractor to request inspection of project in writing. If all work is satisfactory and complete in accordance with conditions of contract documents, then the owner, its representative, and landscape architect shall declare the project substantially complete.

9. Substantial completion constitutes the beginning of guarantee period.

10. Contractor to replace rejected plant within two (2) weeks of notice.

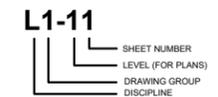
11. Crown pruning of any trees or palms is generally not approved by the national arborist association standards. When it is approved, it must be done in writing.

12. Xeriscaping principles as outlined in the South Florida Water Management District Xeriscape Plant Guide 2 shall be applied throughout landscape installation and maintenance.

DRAWING ORGANIZATION

1. DRAWING NUMBERING SYSTEM

THE DRAWING NUMBER FOR EACH SHEET CONSISTS OF THE FOLLOWING:



2. DRAWING GROUP

LANDSCAPE DRAWINGS ARE ORGANIZED INTO THE FOLLOWING GROUPS:

- L0 = GENERAL
- L1 = PLANS
- L2 = ELEVATIONS
- L3 = SECTIONS
- L4 = ENLARGEMENTS
- L5 = DETAILS
- L6 = SCHEDULES

3. SHEET NUMBER

EACH DRAWING SHEET WITHIN EACH GROUP/MULTIPLE SHALL BE NUMBERED SEQUENTIALLY FROM 00 TO 99.

4. DRAWING NUMBER EXAMPLES:

L1-11 HARDSCAPE PLAN

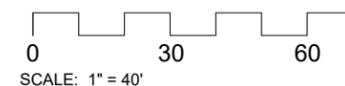
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MIAMI BEACH, FL

LANDSCAPE NOTES



DATE:
August 7, 2023

L0-01

**CITY OF MIAMI BEACH
LANDSCAPE LEGEND**

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District	<u>TC-C</u>	Lot Area	<u>68250</u>	Acres	<u>1.567</u>		
						REQUIRED/ ALLOWED	PROVIDED
<u>OPEN SPACE</u>							
A. Square feet of required Open Space as indicated on site plan:							
Lot Area=	<u>68250</u> s.f. x	<u>40</u> %=	<u>27300</u> s.f.			<u>27300</u>	<u>24,622</u>
B. Square feet of parking lot open space required as indicated on site plan:							
Number of parking spaces	<u>0</u> x 10 s.f. parking space=					<u>0</u>	<u>0</u>
C. Total square feet of landscaped open space required: A+B=							
						<u>27300</u>	<u>24622</u>
<u>LAWN AREA CALCULATION</u>							
A. Square feet of landscaped open space required							
B. Maximum lawn area (sod) permitted =	<u>20</u> % x	<u>27300</u> s.f.				<u>5460</u>	<u>0</u>
<u>TREES</u>							
A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=							
	<u>22</u> x	<u>1.57</u>				<u>34</u>	<u>9</u>
B. % Natives required: Number of trees provided x 50%=							
						<u>0</u>	<u>0</u>
C. % Low maintenance/drought and salt tolerant required:							
Number of trees provided x 50%=							
						<u>0</u>	<u>0</u>
D. Street Trees (maximum average spacing of 20' o.c)							
	<u>1022</u> linear feet along street divided by 20'=					<u>51</u>	<u>16</u>
E. Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.)=							
<u>SHRUBS</u>							
A. Number of shrubs required: Sum of lot and street trees required x 12=							
						<u>1027</u>	<u>1100</u>
B. % Native shrubs required: Number of shrubs provided x 50%=							
						<u>550</u>	<u>371</u>
<u>LARGE SHRUBS OR SMALL TREES</u>							
A. Number of large shrubs or small trees required: Number of required shrubs x 10%=							
						<u>103</u>	<u>200</u>
B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=							
						<u>100</u>	<u>150</u>

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MIAMI BEACH, FL**

LANDSCAPE CALCULATIONS



DATE:
August 7, 2023

L0-02

TREES



BURSERA SIMARUBA
GUMBO LIMBO



CLUSIA ROSEA
AUTOGRAPH TREE



COCCOLOBA UVIFERA
SEAGRAPE



CONOCARPUS ERECTUS
GREEN BUTTONWOOD



KRUGIODENDROM FERRUM
BLACK IRONWOOD



PISCIDIA PISCIPULA
JAMAICA DOGWOOD



QUERCUS VIRGINIANA 'CATHEDRAL'
CATHEDRAL LIVE OAK



SIMAROUBA GLAUCA
PARADISE TREE

TREES/SHRUBS



ARDISIA ESCALLONIODES
MARLBERRY



CAPPARIS CYNOPHALLOPHORA
JAMAICAN CAPER



CHRYSOBALANUS ICACO
VAR. *ICACO*
COCOPLUM



CONOCARPUS ERECTUS
VAR. *SERICEUS*
SILVER BUTTONWOOD



EUGENIA FOETIDA
SPANISH STOPPER



GYMNANTHES LUCIDA
CRABWOOD



PSYCHOTRIA NERVOSA
SHINY-LEAF WILD COFFEE



RANDIA ACULEATA
WHITE INDIGO BERRY

SHRUBS



ACROSTICHUM DANAEOFOLIUM
LEATHER FERN



BACCHARIS ANGUSTIFOLIA
NARROW-LEAF SALT BUSH



CHRYSOBALANUS ICACO
CV. *HORIZONTALIS*
COASTAL COCOPLUM



COCCOTHRINAX ARGENTATA
SILVER PALM



LYCIUM CAROLINIANUM
CHRISTMAS BERRY



ARGUSIA GNAPHALLOIDES
SEA LAVENDER



PSYCHOTRIA LIGUSTRIFOLIA
BAHAMA COFFEE



SERENOA REPENS
SAW PALMETTO



SERENOA REPENS CINEREA
SILVER SAW PALMETTO



SURIANA MARITIMA
BAY CEDAR

GROUNDCOVER/LOW GROWING PLANTS



BORRICHIA FRUTESCENS
SEA OX-EYE DAISY



ERNODEA LITTORALIS
VAR. *LITTORALIS*
BEACH GOLDEN CREEPER



HELIANTHUS DEBILIS
EAST COAST BEACH SUNFLOWER



HYMENOCALLIS LATIFOLIA
SPIDER LILY



IPOMEA PES-CAPRAE
RAILROAD VINE



MUHLENBERGIA CAPILLARIS
MUHLY GRASS



PEPEROMIA OBTUSIFOLIA
BABY RUBBER PLANT



SPARTINA SPARTINAE
GULF CORDGRASS



SPARTINA PATENS
SALTMEADOW CORDGRASS



THELYPTERIS KUNTHII
SOUTHERN SHIELD FERN

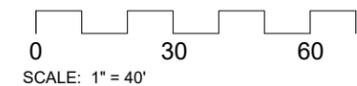
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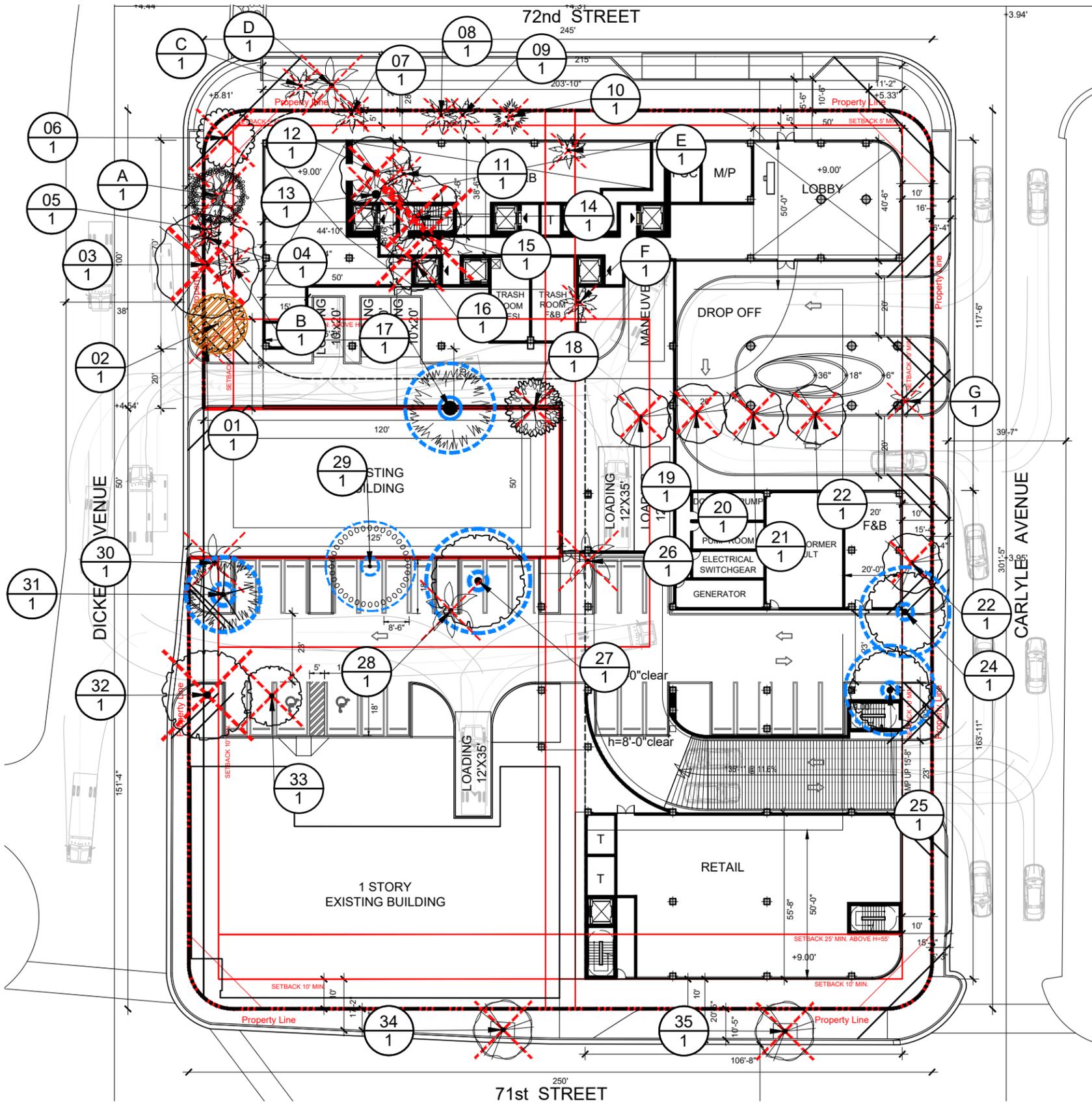
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MIAMI BEACH, FL

LANDSCAPE IMAGES



DATE:
August 7, 2023

L0-03



REFER TO SHEET L6-00 FOR TREE DISPOSITION SCHEDULES

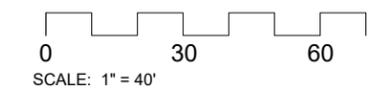
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TREE DISPOSITION PLAN



DATE:
 August 7, 2023

L1-00



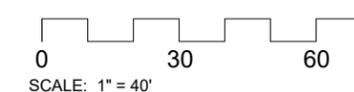
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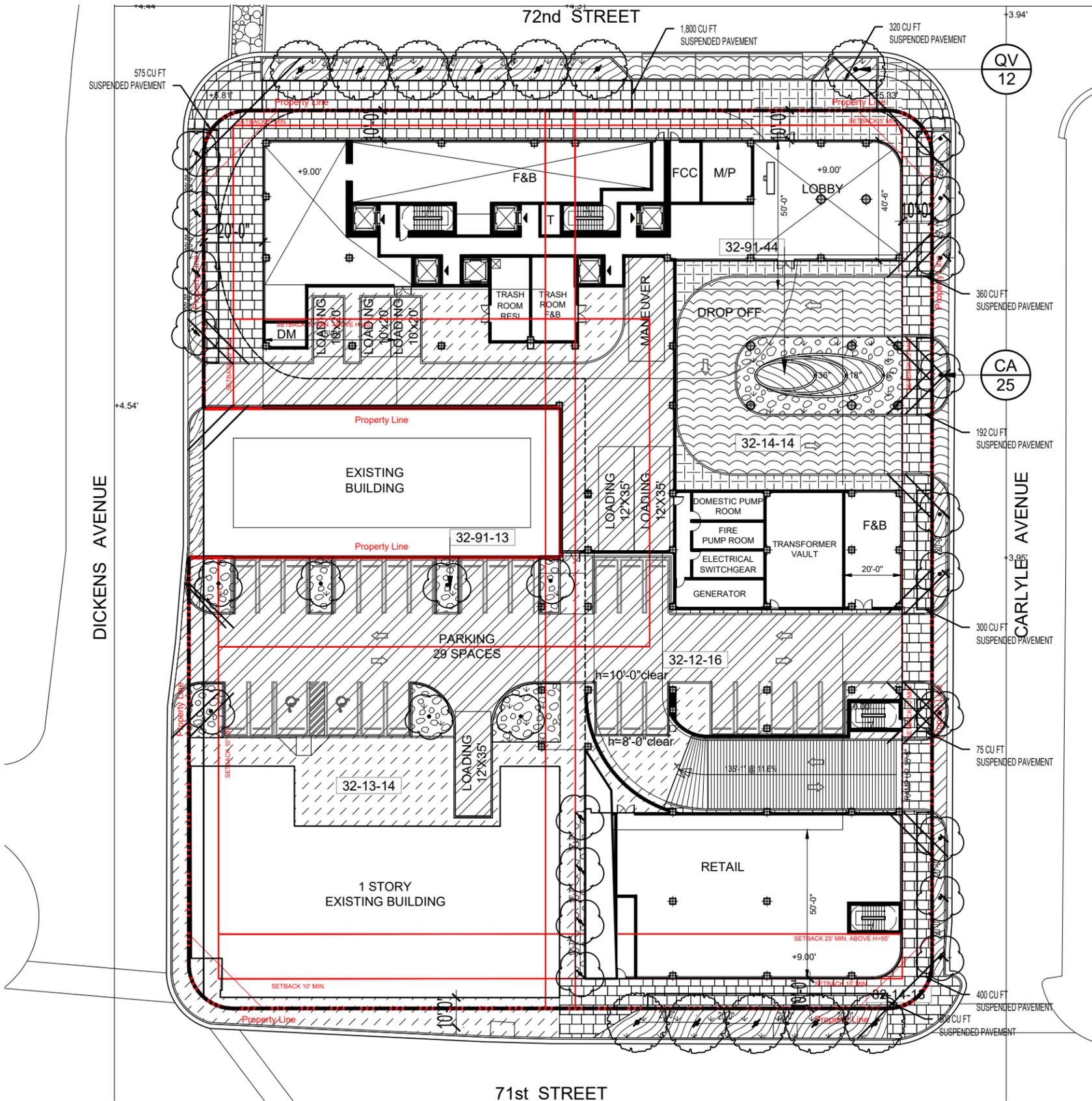
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**GROUND LEVEL RENDERED
 PLAN**



DATE:
 August 7, 2023

L1-10



REFER TO SHEET L6-10 FOR GROUND LEVEL LANDSCAPE SCHEDULES

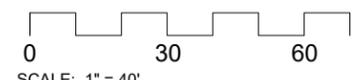
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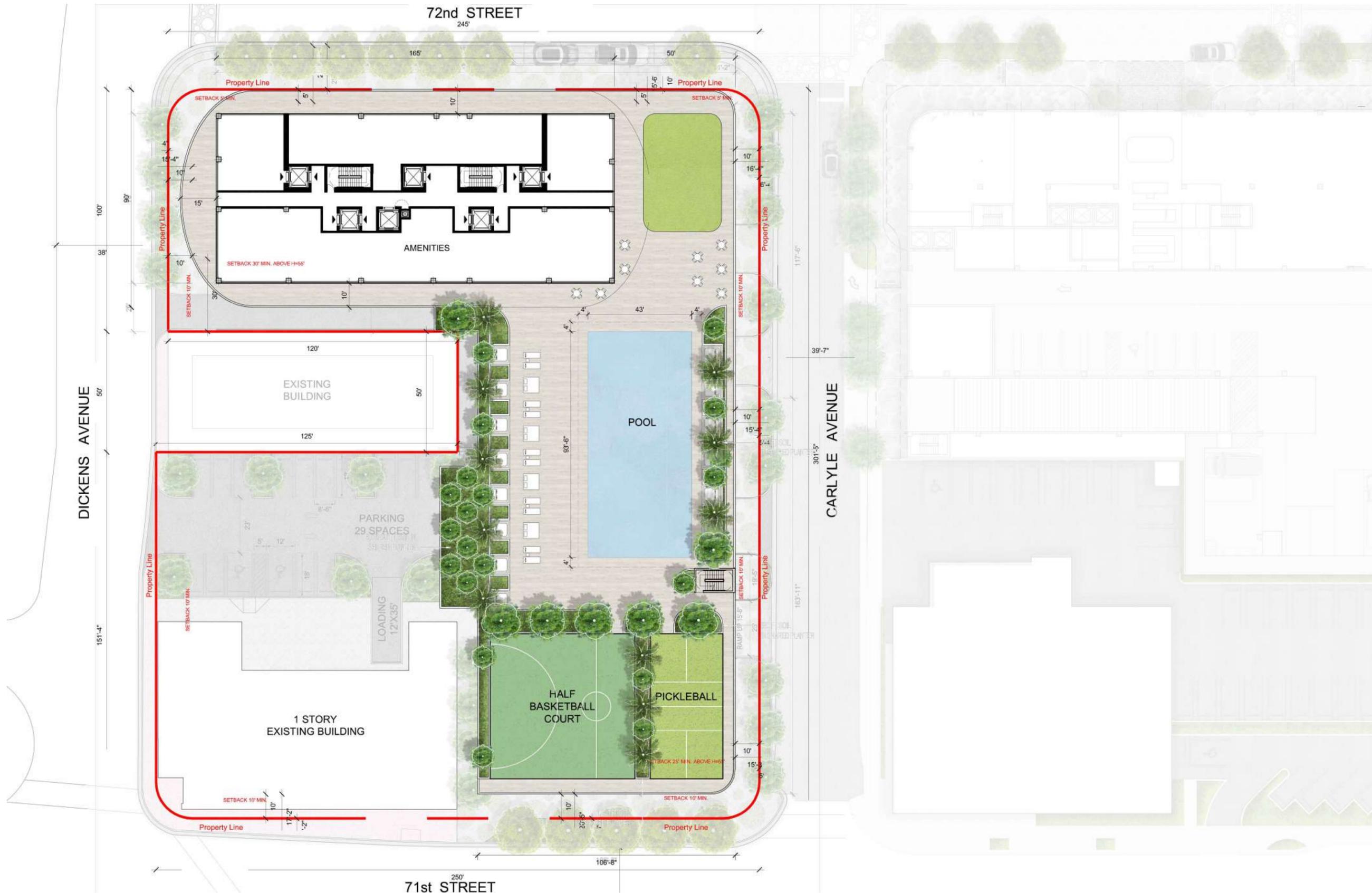
**72B
 MIAMI BEACH, FL**

**GROUND LEVEL LANDSCAPE
 PLAN**



DATE:
 August 7, 2023

L1-11



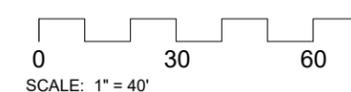
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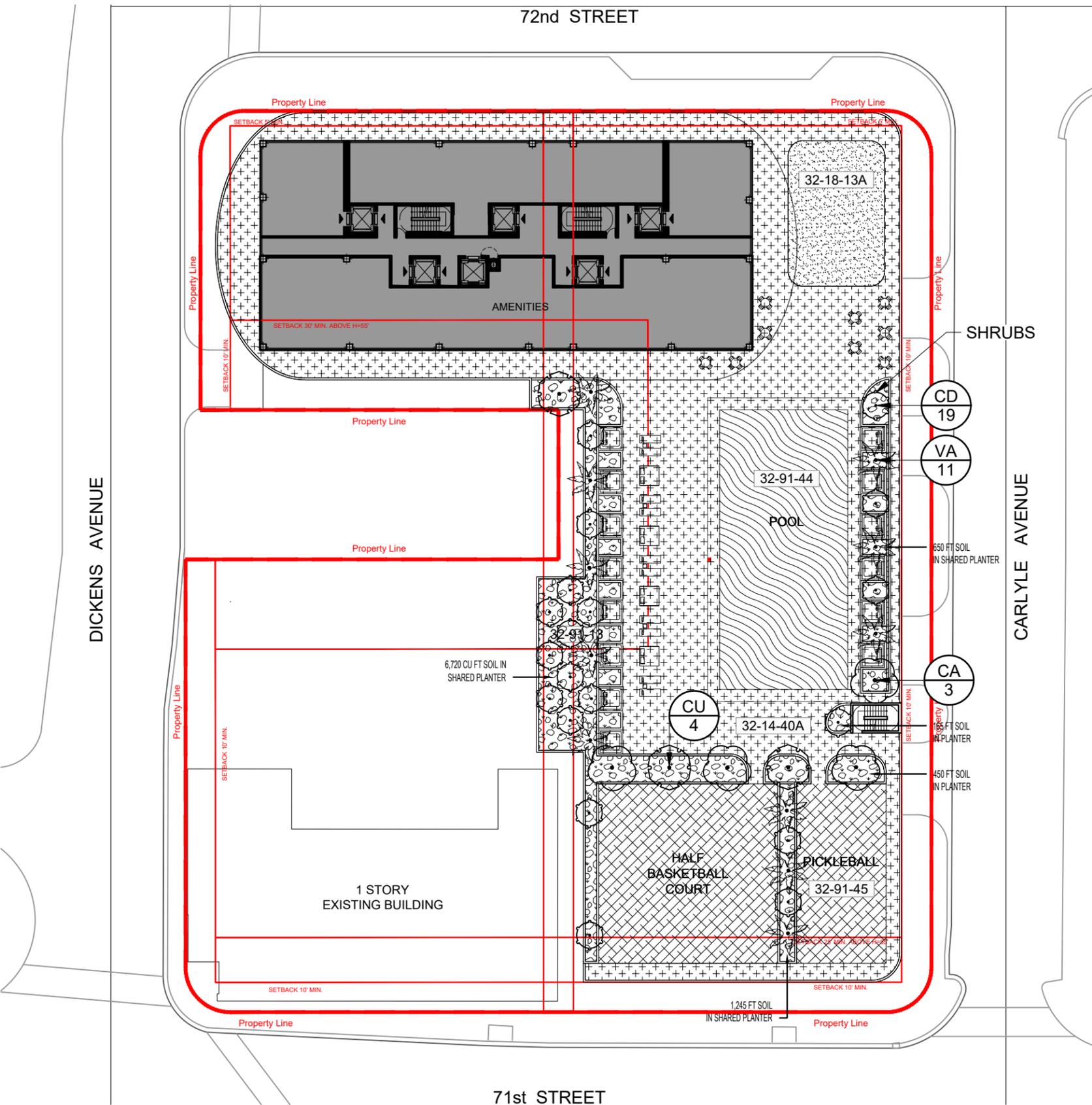
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LEVEL 06 RENDERED PLAN



DATE:
 August 7, 2023

L1-20



REFER TO SHEET L6-20 FOR LEVEL 06 LANDSCAPE SCHEDULES

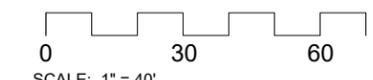
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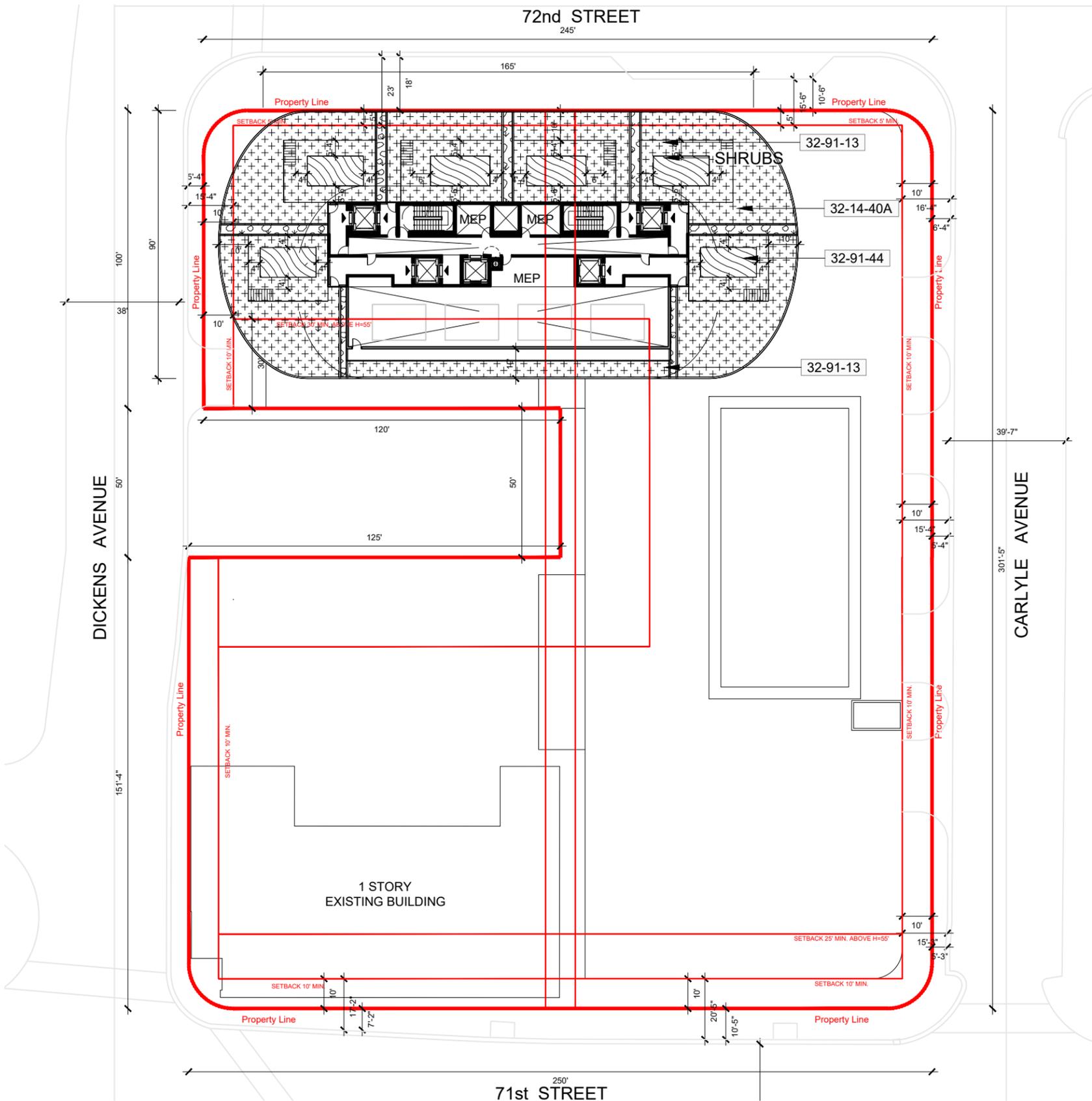
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LEVEL 06 LANDSCAPE PLAN



DATE:
 August 7, 2023

L1-21



REFER TO SHEET L6-30 FOR ROOF LEVEL LANDSCAPE SCHEDULES

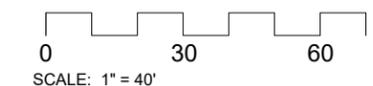
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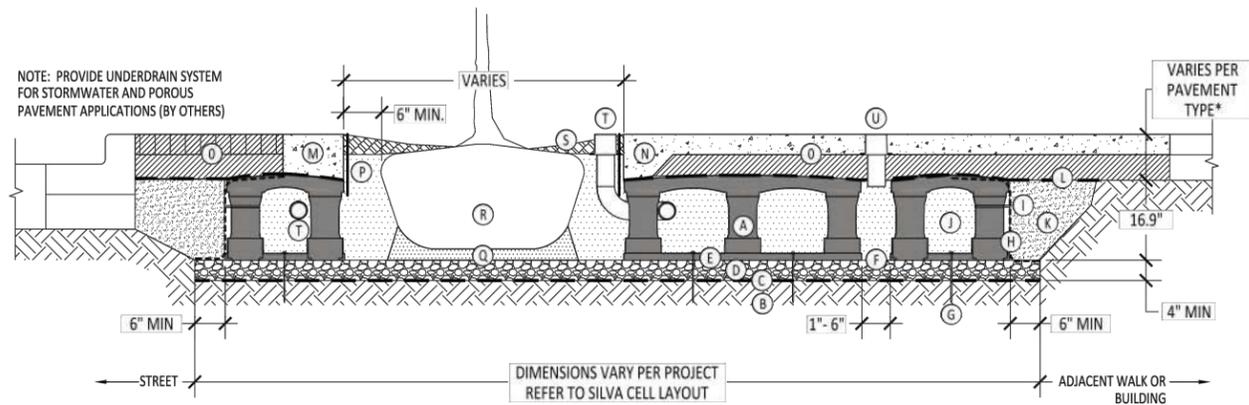
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**ROOF LEVEL LANDSCAPE
 PLAN**

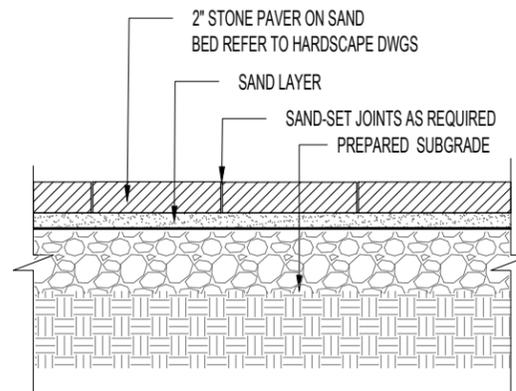


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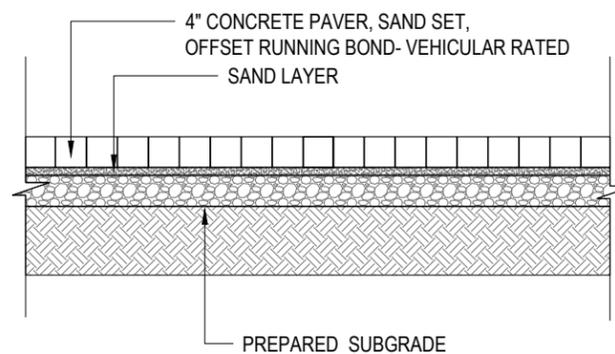
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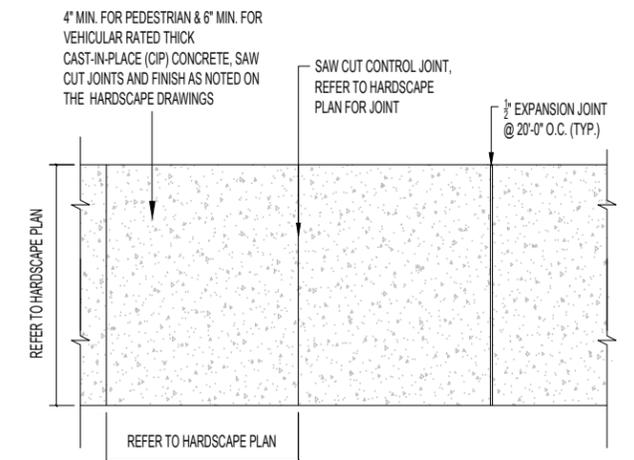
4 SILVA CELL DETAIL
SCALE: NTS



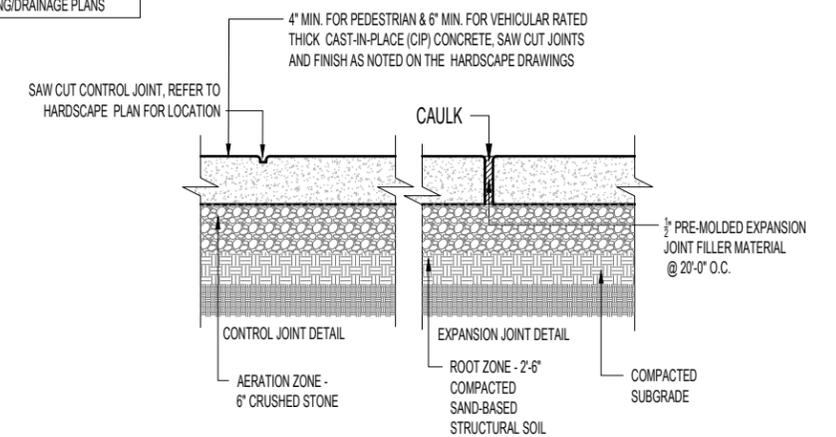
2 PEDESTRIAN PAVERS
SCALE: 1" = 1'-0"



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



NOTE: REFER TO HARDSCAPE & GRADING/DRAINAGE PLANS



- NOTES:
1. ALL EDGES SHALL BE ROUNDED WITH 3/8" RADIUS.
 2. CONTROL JOINTS TO BE SPACED AT 10'-0" O.C.
 3. CONTROL JOINTS SHALL BE 3/16" WIDTH SAW CUT JOINT.
 4. 1/2" EXPANSION JOINT PRE-MOLDED MATERIAL WHERE SIDEWALKS ABUT BUILDINGS, CURBS, DRIVEWAYS, ETC.
 5. EXPANSION JOINTS SHALL BE SPACED @ 20'-0" O.C. (TYP.) AND JOINT FULLY CAULKED TO MATCH SIDEWALK COLOR
 6. 6" MIN. THICK CONCRETE SIDEWALKS TO BE VEHICULAR RATED.
 7. CONC. SIDEWALK TO COMPLY W/ CITY OF MIAMI PUBLIC WORKS REQ'S.
 8. REFER TO CIVIL DRAWINGS FOR ADDITIONAL DETAILS, PAVING AND GRADING.
 9. REFER TO HARDSCAPE PLAN FOR CONCRETE SIDEWALK FINISH & COLOR.
 10. G.C. TO PROVIDE CONCRETE WALKWAY MOCK-UP FOR REVIEW AND APPROVAL.

1 CONCRETE SIDEWALK
SCALE: N.T.S.

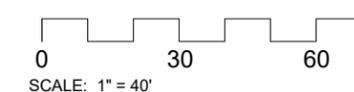
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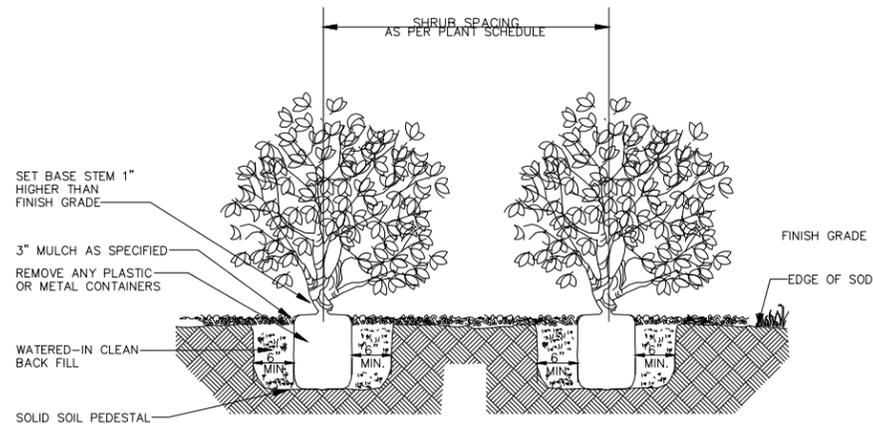
72B
MIAMI BEACH, FL

GROUND LEVEL HARDSCAPE
DETAILS

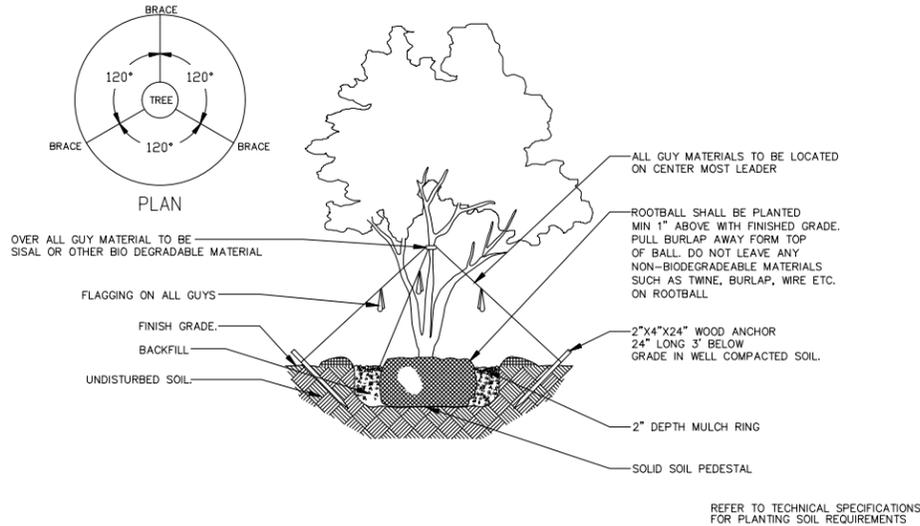


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August 7, 2023

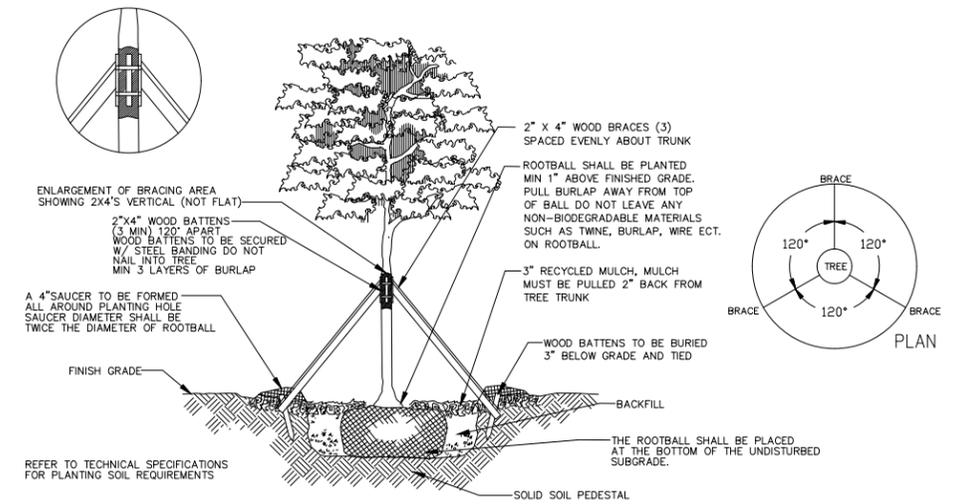
L5-10



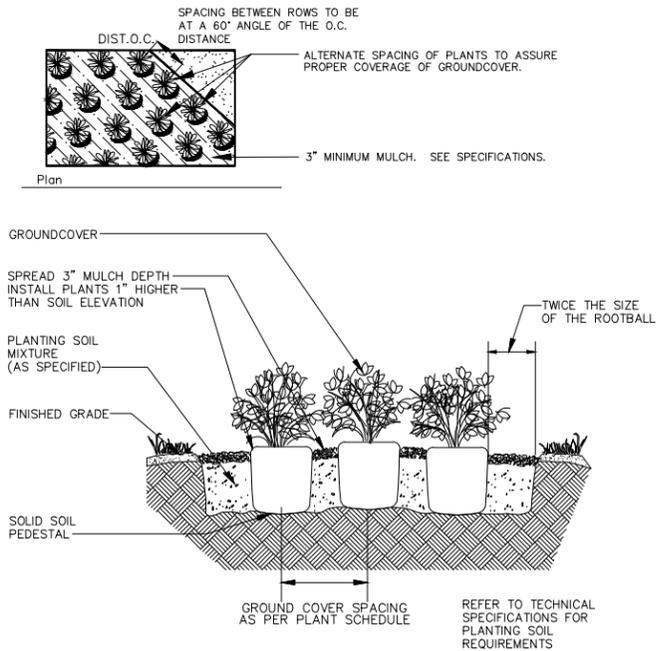
5 SHRUB PLANTING DETAIL
SCALE: N.T.S.



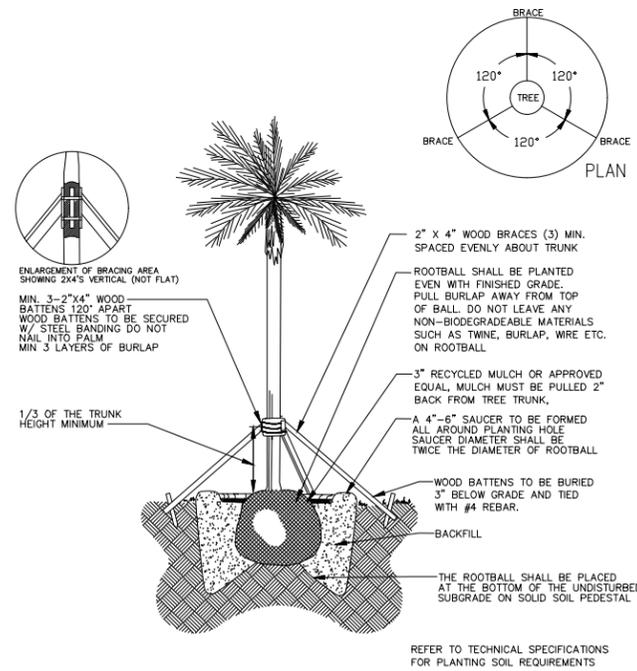
3 MULTI-TRUNK PLANTING DETAIL
SCALE: N.T.S.



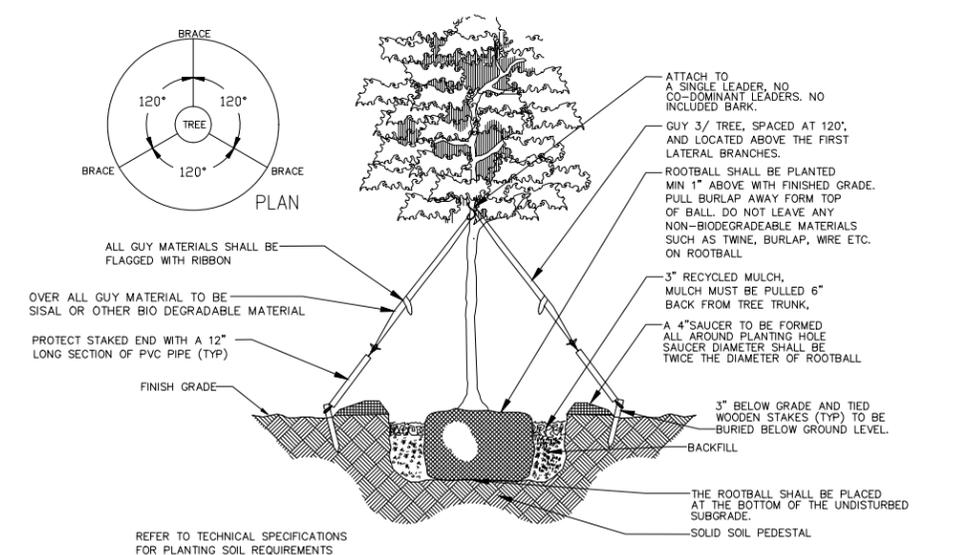
1 LARGE TREE PLANTING DETAIL
SCALE: N.T.S.



6 GROUND COVER PLANTING DETAIL
SCALE: N.T.S.



4 PALM PLANTING DETAIL
SCALE: N.T.S.



2 SMALL TREE PLANTING DETAIL
SCALE: N.T.S.

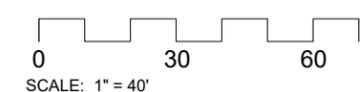
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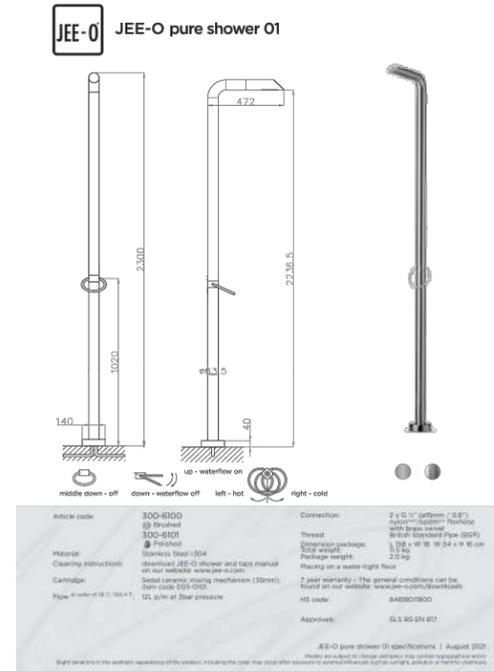
72B
MIAMI BEACH, FL

GROUND LEVEL PLANTING
DETAILS

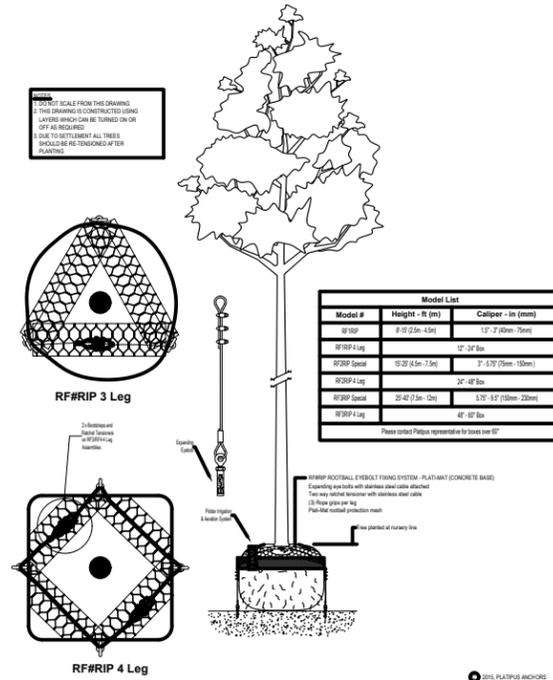


DATE:
August 7, 2023

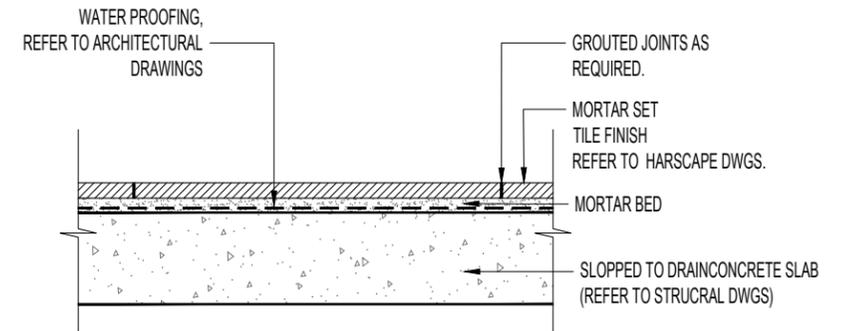
L5-11



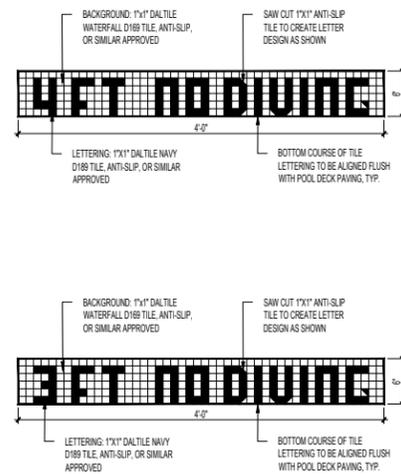
5 JEE-O SHOWER
SCALE: N.T.S.



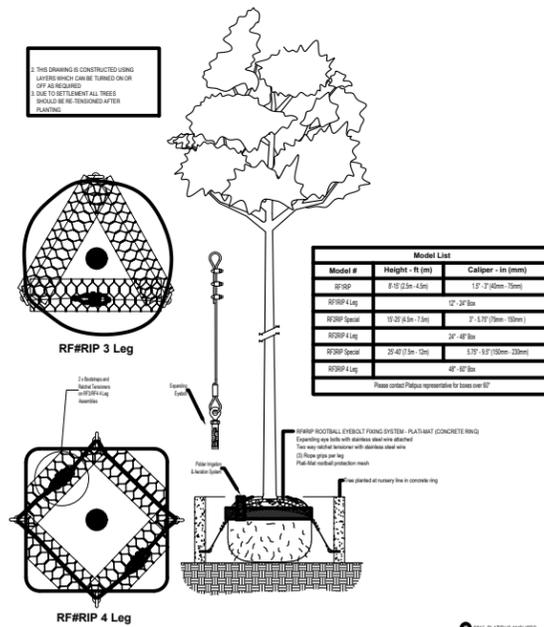
3 PLATIPUS ANCHORING
SCALE: 1" = 1'-0"



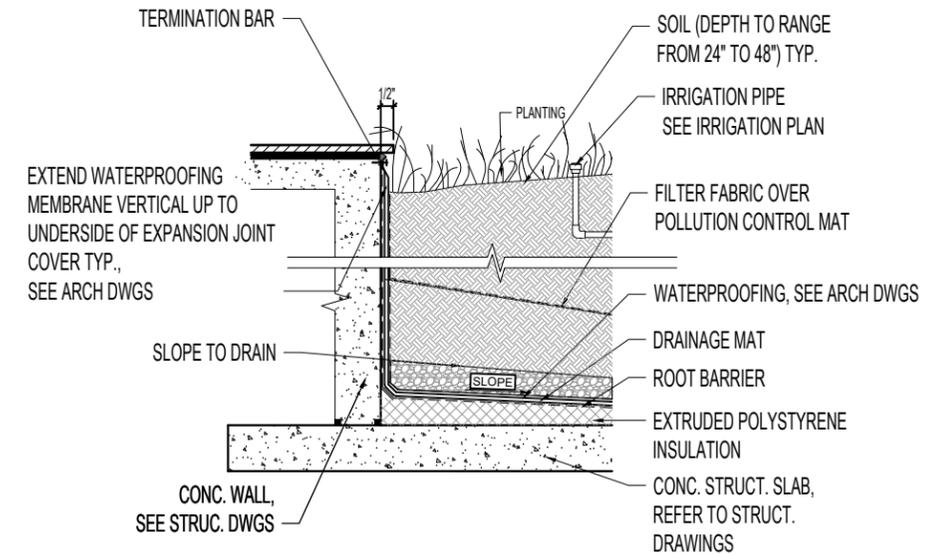
1 TILE ON DECK
SCALE: 1" = 1'-0"



6 POOL MARKINGS 1"x1" TILE
SCALE: 1/2" = 1'-0"

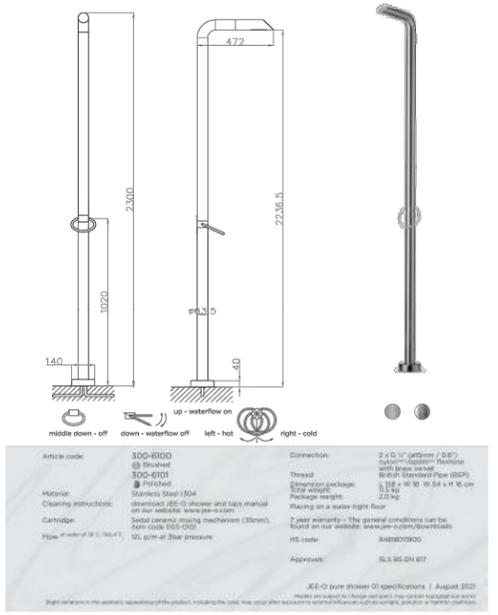


4 PLATIPUS ANCHORING
SCALE: 1" = 1'-0"

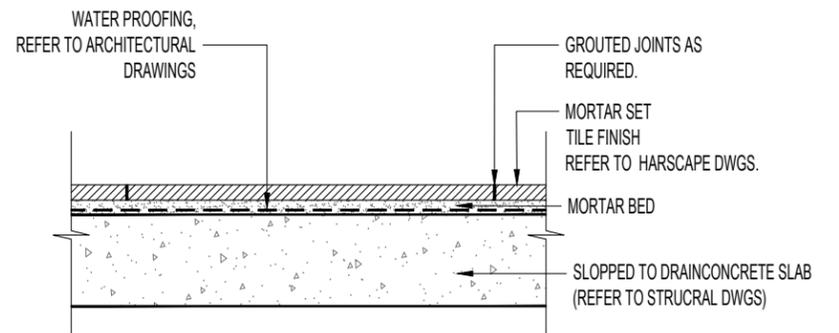


2 FLUSH PLANTER DETAIL, TYP.
SCALE: 3/8" = 1'-0"

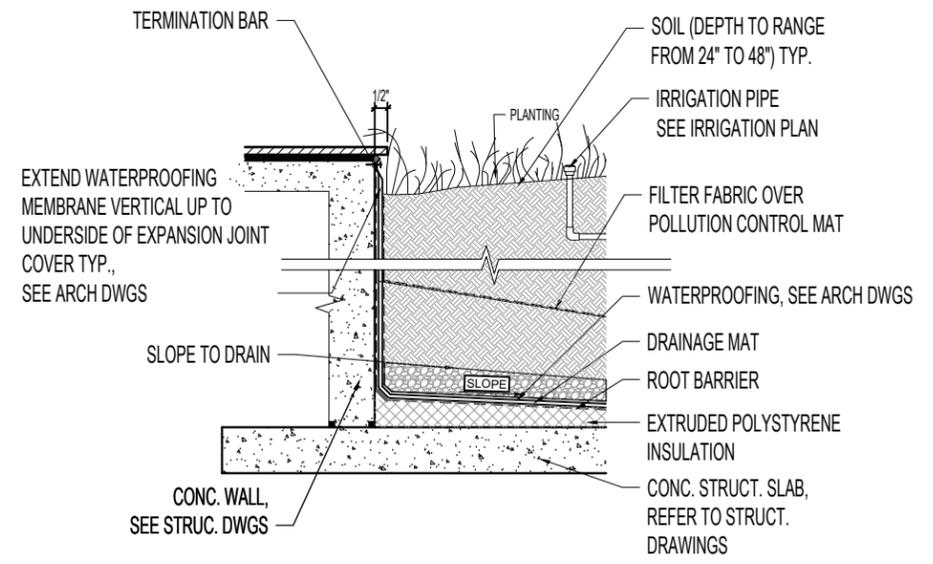
JEE-O JEE-O pure shower 01



3 JEE-O SHOWER
SCALE: N.T.S.



1 TILE ON DECK
SCALE: 1" = 1'-0"



2 FLUSH PLANTER DETAIL, TYP.
SCALE: 3/8" = 1'-0"

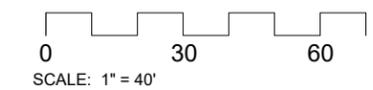
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**72B
MIAMI BEACH, FL**

**ROOF LEVEL LANDSCAPE
DETAILS**



DATE:
August 7, 2023

L5-30

TREE DISPOSITION SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	DBH	HEIGHT	SPREAD	CONDITION	DISPOSITION	CRITICAL ROOT ZONE	TREE PROTECTION ZONE	CLEAR TRUNK
	01	Sabal palmetto	Sabal Palm	14"	18'	12'	Good	Remove	6'	6'	10'
	02	Persea americana	Avocado	4"	18'	10'	Dead	Remove	0	0	
	03	Ficus benjamina	Weeping Fig	24"	35'	35'	Fair	Remove	6'	6'	
	04	Adonidia merrillii	Christmas Palm	4"	32'	10'	Good	Remove	6'	6'	24'
	05	Adonidia merrillii	Christmas Palm	4"	32'	10'	Good	Remove	6'	6'	24'
	06	Persea americana	Avocado	7"	20'	20'	Good	Remove	6'	6'	
	07	Adonidia merrillii	Christmas Palm	5"	24'	12'	Good	Remove	6'	6'	18'
	08	Adonidia merrillii	Christmas Palm	5"	18'	12'	Good	Remove	4'	4'	24'
	09	Adonidia merrillii	Christmas Palm	5"	8'	12'	Good	Remove	4'	4'	10'
	10	Thrinax radiata	Thatch Palm	5"	24'	12'	Good	Remove	4'	4'	18'
	11	Adonidia merrillii	Christmas Palm / Double	2 X 6"	24'	12'	Good	Remove	6'	6'	18'
	12	Ficus benjamina	Weeping Fig	13"	30'	25'	Fair	Remove	10'	10'	
	13	Cocos nucifera	Coconut Palm	9"	42'	18'	Good	Remove	6'	6'	30'
	14	Ficus benjamina	Weeping Fig	17"	30'	30'	Fair	Remove	10'	10'	
	15	Adonidia merrillii	Christmas Palm	6"	24'	32'	Good	Remove	4'	4'	18'
	16	Araucaria heterophylla	Norfolk Island Pine	4"	30'	18'	Good	Remove	4'	4'	
	17	Melicoccus bijugatus	Spanish Lime	12"	35'	30'	Good	Relocate	2'	2'	
	18	Orange -citrus	Orange Tree / Multi-trunk	3 X 4"	25'	20'	Fair	Remove	2'	2'	
	19	Ficus benjamina	Weeping Fig	14"	30'	20'	Poor	Remove	1'	1'	
	20	Ficus benjamina	Weeping Fig	18"	30'	20'	Poor	Remove	1'	1'	
	21	Ficus benjamina	Weeping Fig / Co-dominant	2 X 6"	30'	20'	Poor	Remove	1'	1'	
	22	Ficus benjamina	Weeping Fig	13"	30'	20'	Poor	Remove	1'	1'	
	23	Coccoloba uvifera	Sea Grape / Multi-trunk	3X5 + 2X6", 4+, 3	30'	30'	Good	Remove	6'	6'	
	24	Bursera simaruba	Gumbo Limbo	15"	30'	30'	Fair	Relocate	6'	6'	
	25	Bursera simaruba	Gumbo Limbo	15"	30'	30'	Fair	Relocate			

	26	Sabal palmetto	Sabal Palm	11"	26'	18'	Good	Remove	6'	6'	18'
	27	Bursera simaruba	Gumbo Limbo	28"	35'	35'	Good	Relocate	6'	6'	
	28	Sabal palmetto	Sabal Palm	12"	36'	18'	Good	Remove	6'	6'	13'
	29	Coccoloba diversifolia	Pigeon Plum	12"	30'	30'	Good	Relocate	6'	6'	
	30	Sabal palmetto	Sabal Palm	15"	20'	18'	Good	Remove	6'	6'	12'
	31	Tabebuia heterophylla	Pink Tabebuia	13"	30'	25'	Good	Relocate	6'	6'	
	32	Bursera simaruba	Gumbo Limbo	16"	30'	30'	Poor	Remove	4'	4'	
	33	Bursera simaruba	Gumbo Limbo	13"	42'	20'	Poor	Remove	4'	4'	
	34	Delonix regia	Royal Poinciana	13"	42'	20'	Fair	Remove	4'	4'	30'
	35	Delonix regia	Royal Poinciana	14"	42'	20'	Fair	Remove	4'	4'	30'
	A	Schinus terebinthifolius PROHIBITED SPECIES	Brazilian Pepper	9"	35'	30'	Fair	Remove	0	0	
	B	Adonidia merrillii	Christmas Palm / Double	6"	36'	12'	Good	Remove	6'	6'	30'
	C	Adonidia merrillii	Christmas Palm / Double	2 X 6"	24'	12'	Good	Remove	4'	4'	18'
	D	Sabal palmetto	Sabal Palm	16"	15'	12'	Good	Remove	4'	4'	6'
	E	Adonidia merrillii	Christmas Palm / Double	5 + 5	24'	12'	Good	Remove	4'	4'	18'
	F	Adonidia merrillii	Christmas Palm / Single	4"	16'	12'	Good	Remove	2'	2'	18'
	G	Sabal palmetto	Sabal Palm	14"	30'	18'	Good	Remove	5'	5'	6'

TOTAL TREE DBH (IN INCHES) REMOVED : 326"
 TOTAL PALM DBH (IN INCHES) REMOVED (18 PALMS) : 36"
 TOTAL REMOVED DBH (IN INCHES) : 359"

NOTE: PALMS <15' TALL, CALCULATED DBH = 0", PALMS >15' TALL, CALCULATED DBH = 2"

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72B
 MIAMI BEACH, FL

TREE DISPOSITION SCHEDULE



DATE:
 August 7, 2023

L6-00

CHAPTER 46-61.1 TREE REPLACEMENT CHART

Total diameter of tree(s) to be removed (sum of inches at DBH)	Total number of replacement trees required (where each Replacement Tree is a minimum of 2" DBH x 6' spread in Canopy x 12' in height)	OR	Total number of replacement trees required (where each Replacement Tree is a minimum of 4" DBH x 8' spread in Canopy x 16' in height)	OR	Contribution to Tree Trust Fund
2"-3"	1	or	0	or	\$1,000.00
4"-6"	2	or	1	or	\$2,000.00
7"-12"	4	or	2	or	\$4,000.00
13"-18"	6	or	3	or	\$6,000.00
19"-24"	8	or	4	or	\$8,000.00
25"-30"	10	or	5	or	\$10,000.00
31"-36"	12	or	6	or	\$12,000.00
37"-42"	14	or	7	or	\$14,000.00
43"-48"	16	or	8	or	\$16,000.00
49"-60"	20	or	10	or	\$20,000.00

CHAPTER 46-61.2.A TREE SPECIES DIVERSITY CHART

REQUIRED NUMBER OF TREES	REQUIRED MINIMUM NUMBER OF SPECIES
01-10	2
11-20	3
21-30	4
31-40	5
41 OR GREATER	6

TREE REPLACEMENT CALCULATIONS

	Total DBH of Removed Trees:	Total diameter of tree(s) to be removed (sum of inches at DBH)	Total number of replacement trees required (2" DBH minimum each, 6' minimum spread, 12' minimum height)	OR	Total number of replacement trees required (4" DBH minimum each, 8' minimum spread, 16' minimum height)	Contribution to Tree Trust Fund
359" - 60" =	299"	49"-60"	20	or	10	\$20,000.00
299" - 60" =	239"	49"-60"	20	or	10	\$20,000.00
239" - 60" =	179"	49"-60"	20	or	10	\$20,000.00
179" - 60" =	119"	49"-60"	20	or	10	\$20,000.00
119" - 60" =	59"	49"-60"	20	or	10	\$20,000.00
59" - 60" =	-1"	49"-60"	20	or	10	\$20,000.00
TOTAL			120	or	60	\$120,000.00

120 2" DBH REPLACEMENT TREES = 240" DBH REQUIRED
 172" DBH PROVIDED MITIGATION REQUIREMENTS : MET
 68" DBH MITIGATION SHORTFALL = 34 2" DBH TREES
 \$34,000 TREE TRUST FUN CONTRIBUTION REQUIRED

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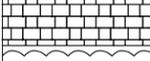
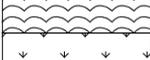
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 MIAMI BEACH, FL**

TREE MITIGATION SCHEDULE



DATE:
 August 7, 2023

L6-01

GROUND LEVEL HARDSCAPE SCHEDULE		
32 EXTERIOR IMPROVEMENTS		
SYMBOL	DESCRIPTION	QTY
	32-12-16 ITEM: Asphalt Paving APPLICATION: Driveways	16,344 sf
	32-13-14 ITEM: Concrete Paving APPLICATION: Service Area/BOH COLOR: Light Grey FINISH: Exposed Aggregate Concrete	8,214 sf
	32-13-43 ITEM: Portuguese Cobble Paving APPLICATION: Exterior Lobby Entrance	2,017 sf
	32-14-13 ITEM: C.I.P. Shellcrete - Concrete Paving APPLICATION: Pedestrian Walkway	10,720 sf
	32-14-14 ITEM: Precast Concrete Unit Paving APPLICATION: Ground Level Vehicular	4,155 sf
	32-91-13 ITEM: Planting Area Mulch APPLICATION: Planting Areas TYPE: Mini Pine Bark Nuggets COLOR: Natural DEPTH: 3"	5,678 sf
	32-91-44 ITEM: Tile APPLICATION: Pool/Spa Tiling	391 sf

GROUND LEVEL TREE SCHEDULE							
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	DBH
	CA	25	Clusia rosea	Autograph Tree	16'	8'	4"
	QV	12	Quercus virginiana 'Cathedral'	Cathedral Live Oak	22'	14'	6" min

GROUND LEVEL SHRUBS & GROUNDCOVER SCHEDULE	
	<p>SHRUBS 5,614 sf</p> <p>Acrostichum danaeifolium / Leather Fern Argusia gnaphalodes / Sea Rosemary Baccharis Angustifolia Baccharis Angustifolia / Narrow-Leaf Salt Bush Chrysobalanus icaco 'Horizontalis' / Horizontal Coco Plum Lycium carolinianum / Christmas Berry Psychotria ligustrifolia / Bahama Coffee Serenoa repens 'Cinerea' / Silver Saw Palmetto Suriana maritima / Bay Cedar</p>
	<p>GROUNDCOVERS 18,703 sf</p> <p>Borrchia arborescens / Tree Seaside Tansy Ermodea littoralis / Golden Creeper Helianthus debilis / Dune Sunflower Hymenocallis latifolia / Spider Lily Ipomoea pes-caprae / Beach Morning Glory Muhlenbergia capillaris / Pink Muhly Grass Peperomia obtusifolia / Baby Rubber Plant Spartina patens / Saltmeadow Cordgrass Spartina spartinae / Gulf Cordgrass Thelypteris kunthii / Southern Shield Fern Zamia pumila / Coontie Cycad</p>

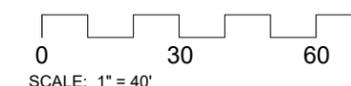
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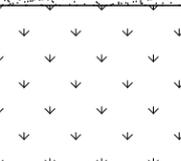
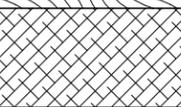
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GROUND LEVEL LANDSCAPE
 SCHEDULE



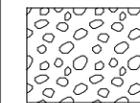
DATE:
 August 7, 2023

L6-10

LEVEL 6 HARDSCAPE SCHEDULE			
	32 EXTERIOR IMPROVEMENTS		
SYMBOL	DESCRIPTION	QTY	
	32-14-40A ITEM: Limestone Paving APPLICATION: Pool deck	14,738 sf	
	32-18-13A ITEM: Artificial Turf APPLICATION: Playground/Dog Run	1,552 sf	
	32-91-13 ITEM: Planting Area Mulch APPLICATION: Planting Areas TYPE: Mini Pine Bark Nuggets COLOR: Natural DEPTH: 3"	3,603 sf	
	32-91-44 ITEM: Tile APPLICATION: Pool/Spa Tiling	4,021 sf	
	32-91-45 ITEM: Colored Asphalt Paving APPLICATION: Sports Court COLOR: Natural	5,400 sf	

LEVEL 6 TREE SCHEDULE								
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	DBH	
	CA	3	Clusia rosea	Autograph Tree	16'	8'	4"	
	CD	20	Coccoloba diversifolia	Pigeon Plum	16'	8'	4"	
	CU	3	Coccoloba uvifera	Sea Grape	16'	8'	4"	
	VA	12	Veitchia arecina	MacArthur Palm	16'			

LEVEL 6 SHRUBS & GROUNDCOVER SCHEDULE



SHRUBS

3,638 sf

Acrostichum danaeifolium / Leather Fern
 Argusia gnaphalodes / Sea Rosemary
 Baccharis Angustifolia Baccharis Angustifolia / Narrow-Leaf Salt Bush
 Chrysobalanus icaco 'Horizontalis' / Horizontal Coco Plum
 Lycium carolinianum / Christmas Berry
 Psychotria ligustrifolia / Bahama Coffee
 Serenoa repens 'Cinerea' / Silver Saw Palmetto
 Suriana maritima / Bay Cedar

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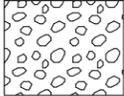
LEVEL 06 LANDSCAPE SCHEDULE



DATE:
 August 7, 2023

L6-20

ROOF LEVEL HARDSCAPE SCHEDULE			
	SYMBOL	DESCRIPTION	QTY
	32-14-40A	ITEM: Limestone Paving APPLICATION: Pool deck	8,108 sf
	32-91-13	ITEM: Planting Area Mulch APPLICATION: Planting Areas TYPE: Mini Pine Bark Nuggets COLOR: Natural DEPTH: 3"	734 sf
	32-91-44	ITEM: Tile APPLICATION: Pool/Spa Tiling	1,153 sf

ROOF LEVEL SHRUBS SCHEDULE	
	<p>SHRUBS 606 sf</p> <p>Acrostichum danaeifolium / Leather Fern Argusia gnaphalodes / Sea Rosemary Baccharis Angustifolia Baccharis Angustifolia / Narrow-Leaf Salt Bush Chrysobalanus icaco 'Horizontalis' / Horizontal Coco Plum Lycium carolinianum / Christmas Berry Psychotria ligustrifolia / Bahama Coffee Serenoa repens 'Cinerea' / Silver Saw Palmetto Suriana maritima / Bay Cedar</p>

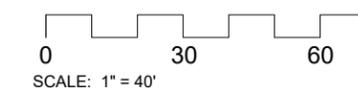
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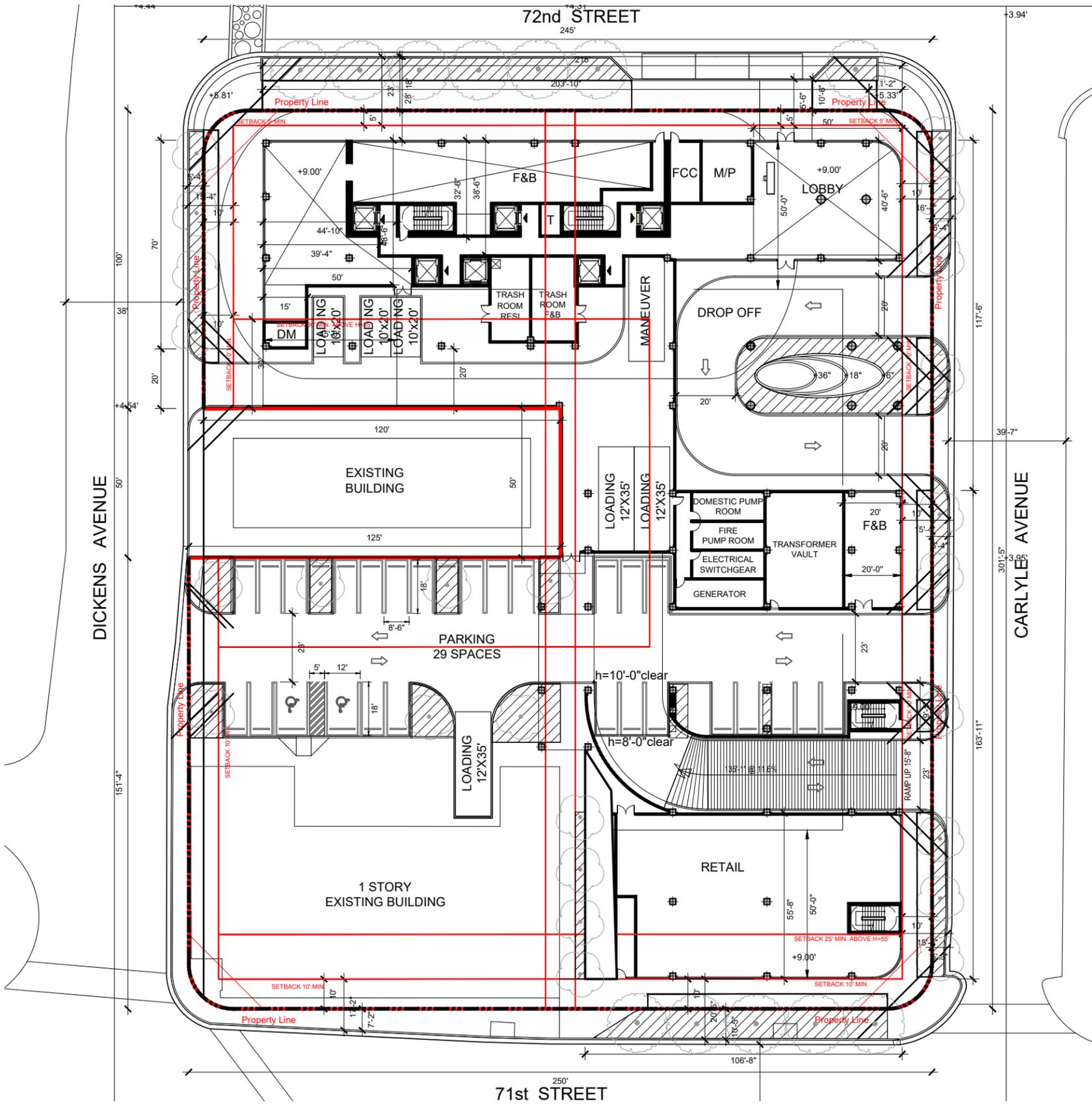
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ROOF LEVEL LANDSCAPE
 SCHEDULE



DATE:
 August 7, 2023

L6-30



FINAL IRRIGATION DESIGN WILL BE PROVIDED AT TIME OF BUILDING PERMIT SUBMITTAL

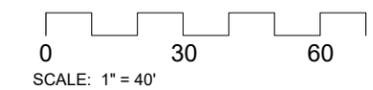
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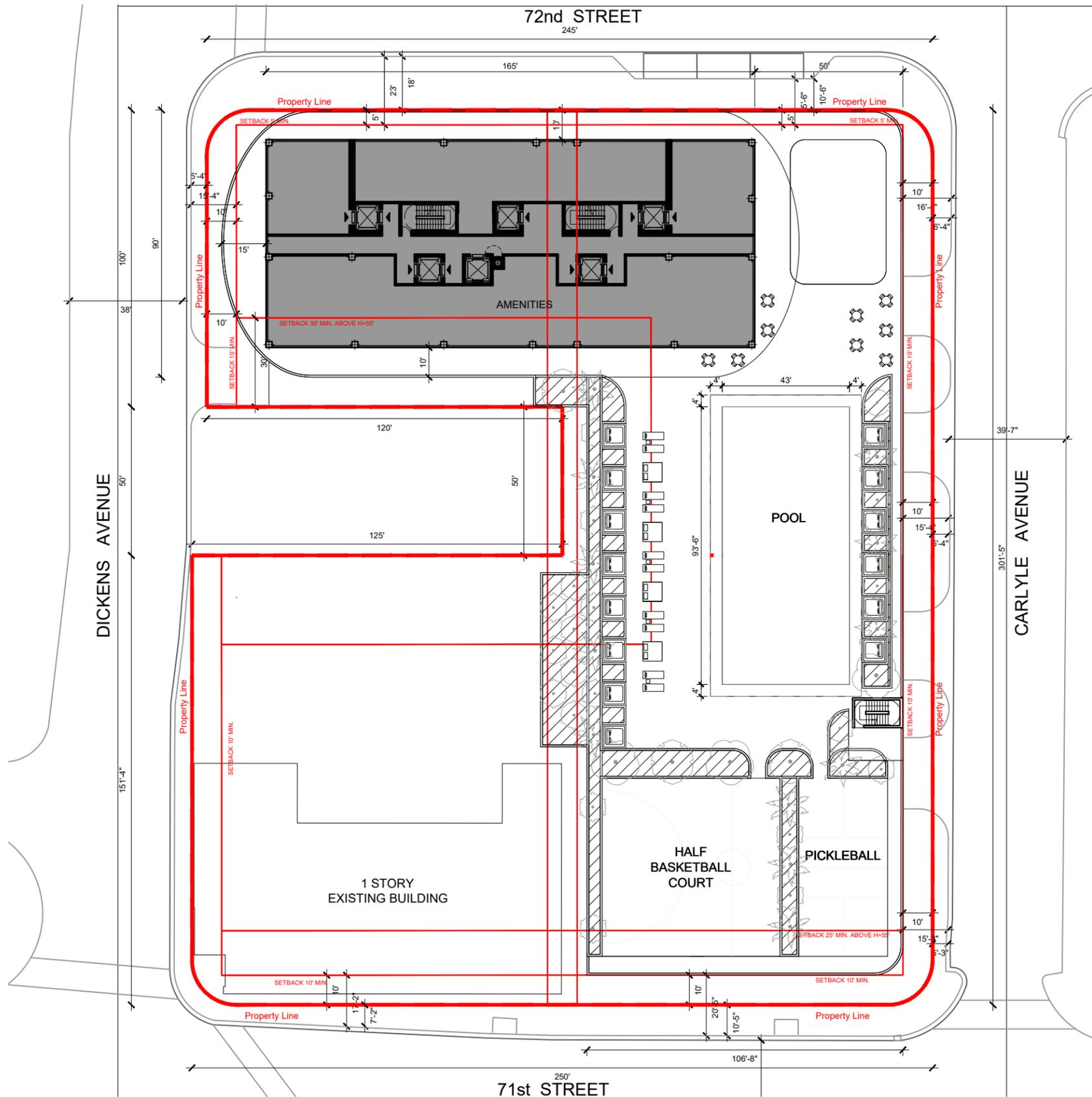
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**GROUND LEVEL IRRIGATION
 PLAN**



DATE:
 August 7, 2023

IR-10



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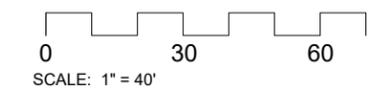
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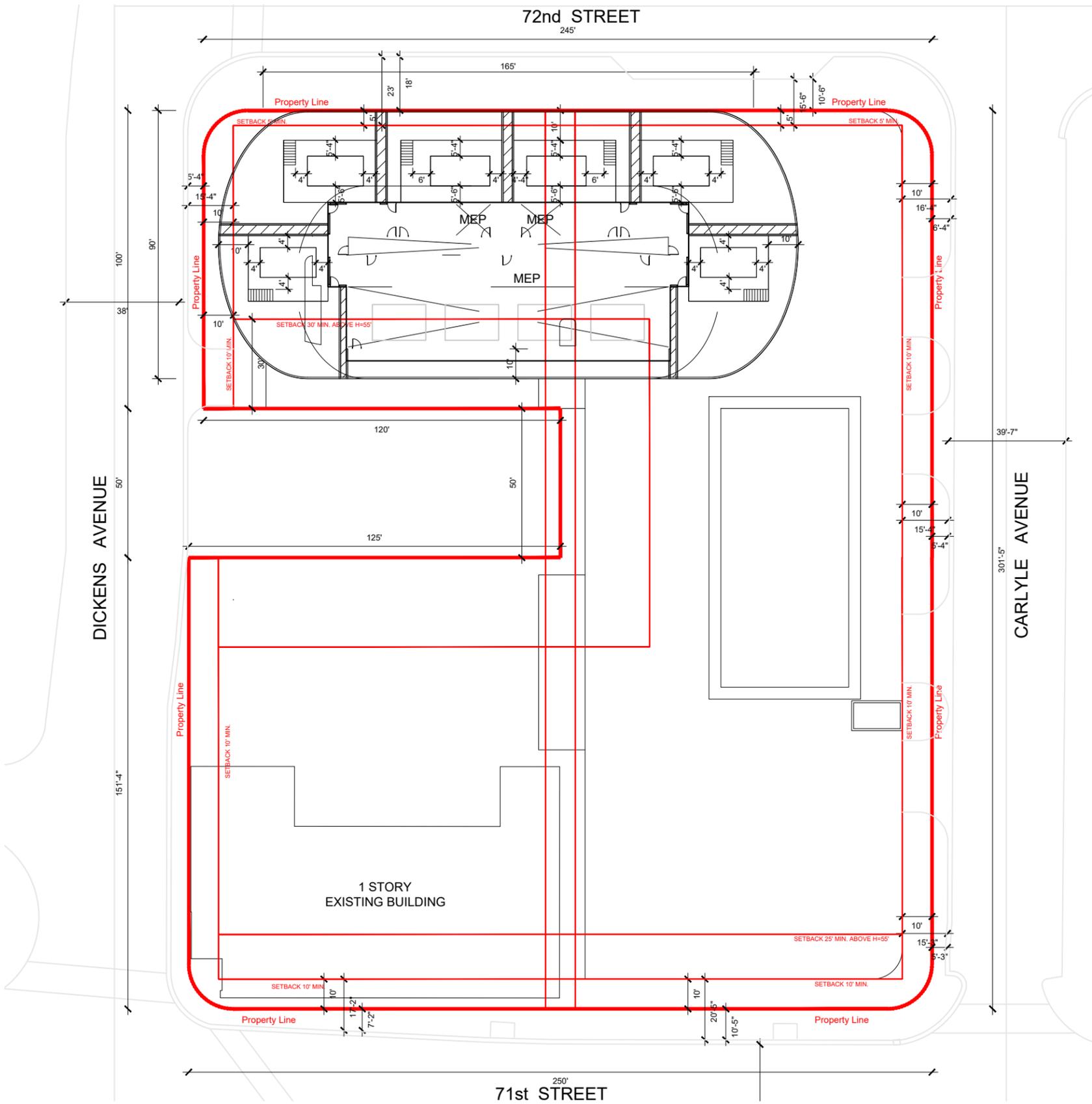
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LEVEL 06 IRRIGATION PLAN



DATE:
August 7, 2023

IR-20



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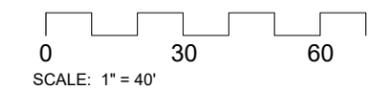
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**ROOF LEVEL IRRIGATION
 PLAN**



DATE:
 August 7, 2023

IR-30