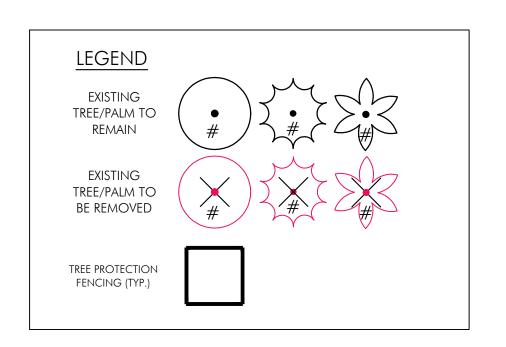
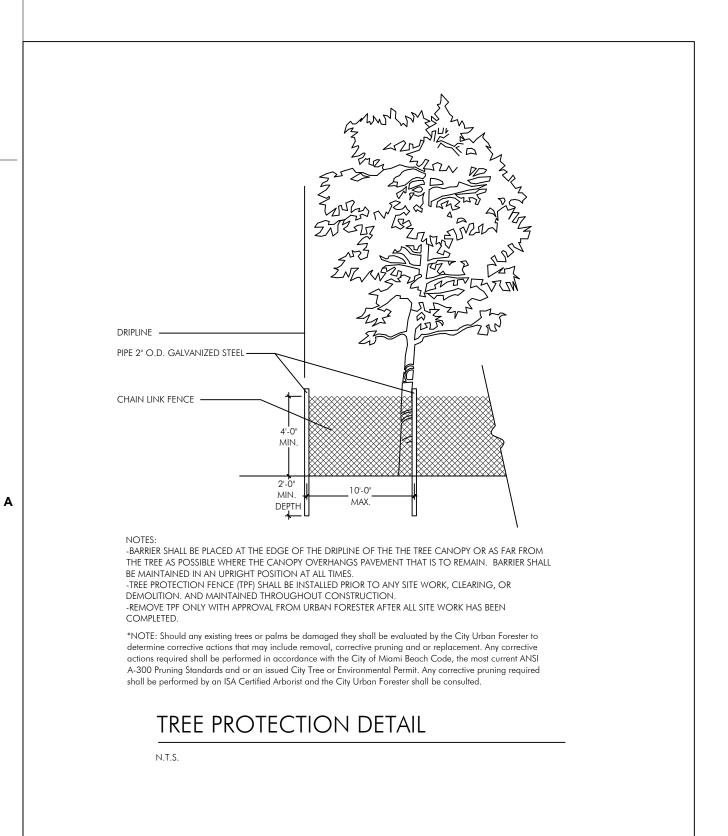
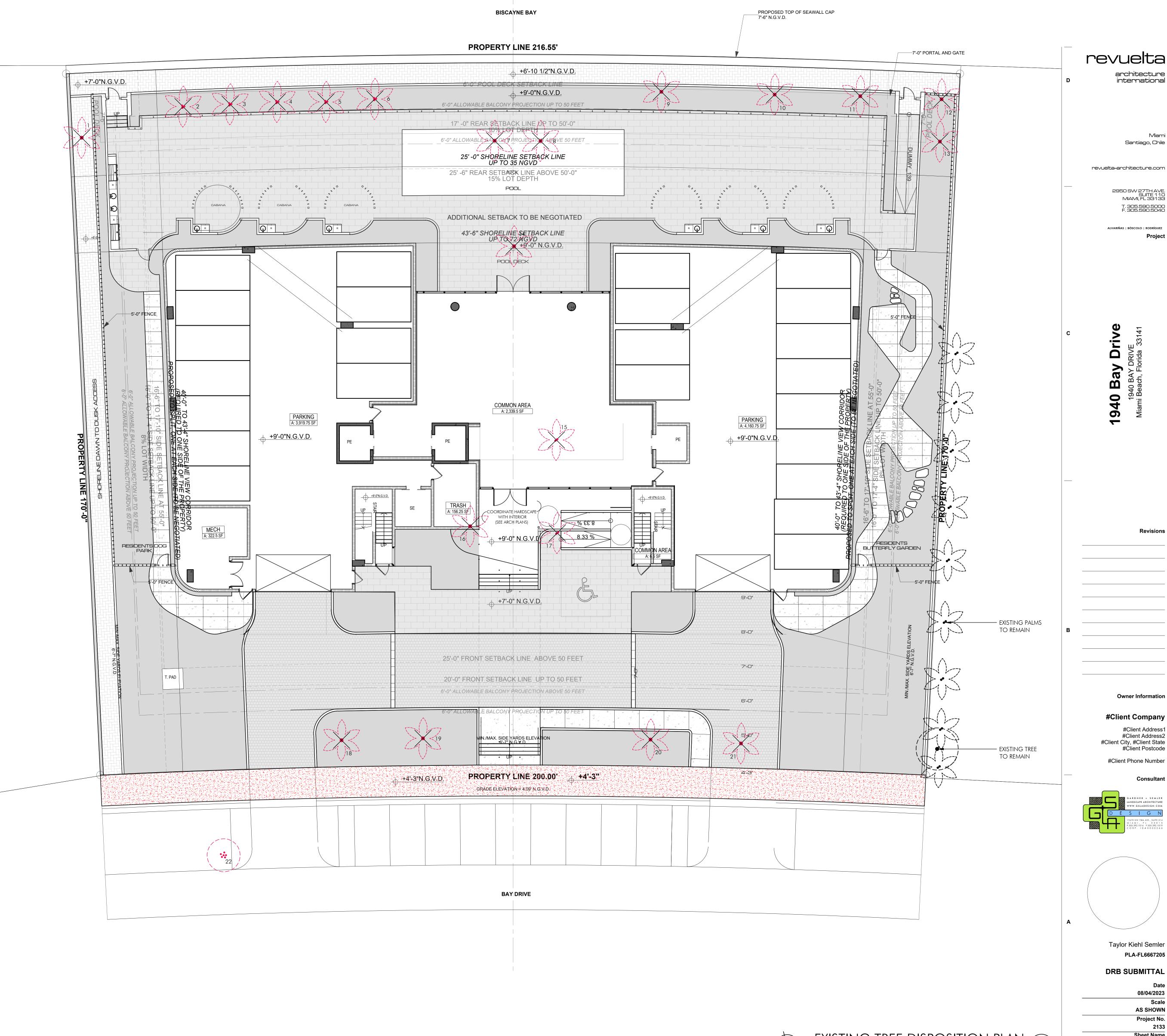
KEY	BOTANICAL NAME	COMMON NAME	SIZE				MITIGATION
			HT.(ft.)	SPD.(ft.)	DBH.(in.)	DISPOSITION	DBH
1	Cocos nucifera	Coconut Palm	18	15	8	Remove	1 Palm
2	Adonidia merrillii	Christmas Palm (triple)	14	12	9	Remove	1 Palm
3	Adonidia merrillii	Christmas Palm (triple)	14	12	9	Remove	1 Palm
4	Adonidia merrillii	Christmas Palm (triple)	14	12	9	Remove	1 Palm
5	Adonidia merrillii	Christmas Palm (triple)	14	12	9	Remove	1 Palm
6	Adonidia merrillii	Christmas Palm (triple)	14	12	9	Remove	1 Palm
7	Wodyetia bifurcata	Foxtail Palm	14	10	8	Remove	1 Palm
8	Wodyetia bifurcata	Foxtail Palm	14	10	8	Remove	1 Palm
9	Cocos nucifera	Coconut Palm	35	15	12	Remove	1 Palm
10	Cocos nucifera	Coconut Palm	35	15	12	Remove	1 Palm
11	Cocos nucifera	Coconut Palm	35	15	12	Remove	1 Palm
12	Cocos nucifera	Coconut Palm	16	15	8	Remove	1 Palm
13	Cocos nucifera	Coconut Palm	16	15	8	Remove	1 Palm
14	Wodyetia bifurcata	Foxtail Palm	14	10	8	Remove	1 Palm
15	Phoenix roebelenii	Pygmy Date Palm (triple)	6	8	6	Remove	1 Palm
16	Adonidia merrillii	Christmas Palm	18	8	3	Remove	1 Palm
17	Adonidia merrillii	Christmas Palm (double)	16	12	6	Remove	1 Palm
18	Wodyetia bifurcata	Foxtail Palm	20	12	9	Remove	1 Palm
19	Wodyetia bifurcata	Foxtail Palm	20	12	9	Remove	1 Palm
20	Wodyetia bifurcata	Foxtail Palm	20	12	9	Remove	1 Palm
21	Wodyetia bifurcata	Foxtail Palm	20	12	9	Remove	1 Palm
22	Ligustrum japnoicum	Ligustrum	9	8	5	Remove BE REMOVED	N/A

\*1 Palm Replacement = 1 Tree @ 12' HT x 2" DBH







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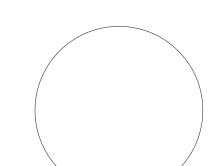
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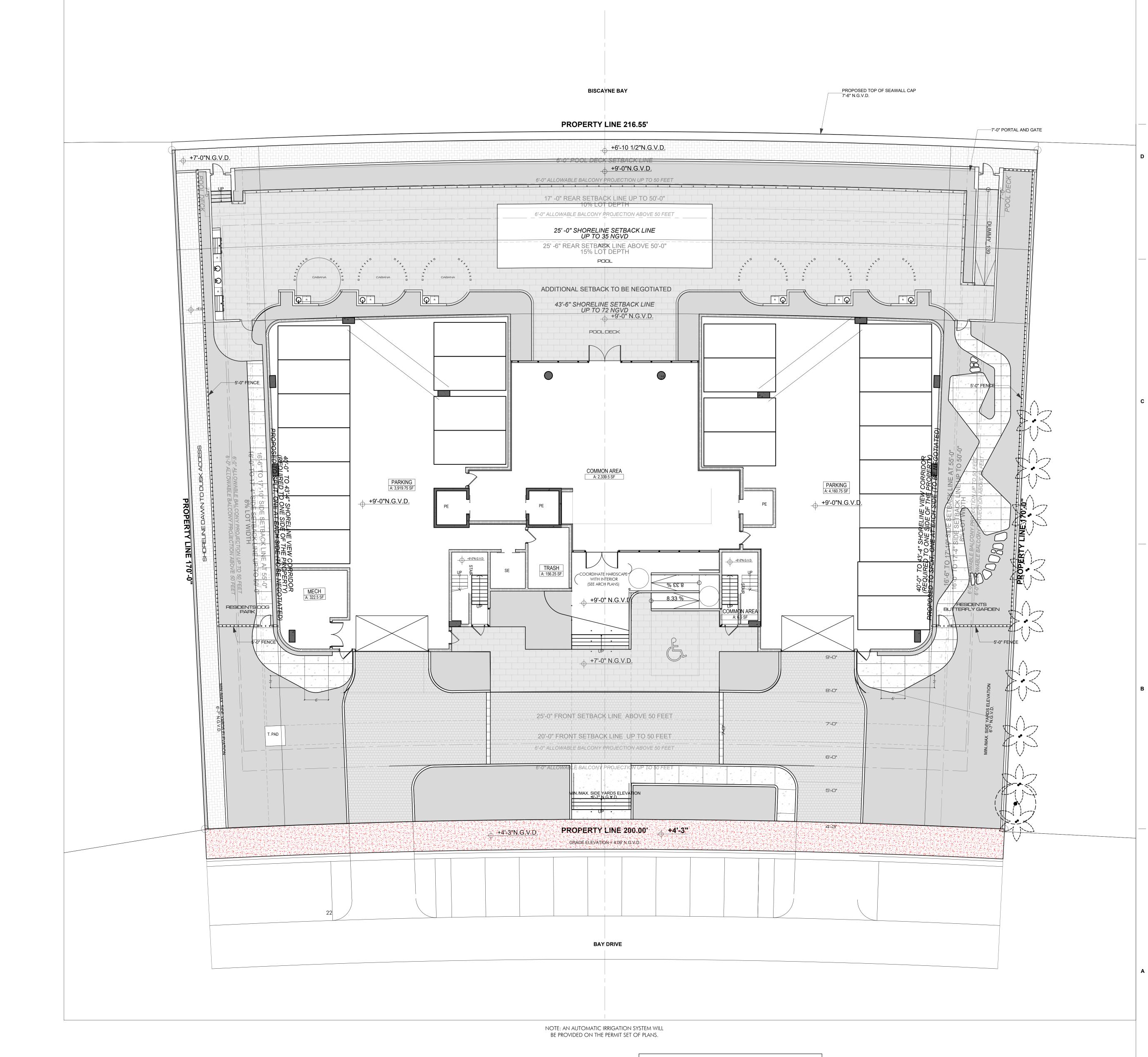


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08/04/2023 **AS SHOWN** Project No. 2133

Sheet Name EXISTING TREE **DISPOSITION PLAN** 



<u>LEGEND</u>

TREE/PALM TO

HARDSCAPE LEGEND

POURED CONC -3,500 PSI, WWM Reinforced

-1,680 s.f. total

-Color: Granite -3,170 s.f. total

4" THICK POURED CONC OVER
COMPACTED BASE
-3,000 PSI, WWM reinforced

-1,495 s.f. total

Scoreline - Miami Beach Pink color

STONE PAVERS

-Brushed and Filled -Sealed with -6,270 s.f. total

-1,908 s.f. total

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\*SUBMIT 2'x2' MOCKUP

COBBLESTONE PAVERS

-Running Bond Pattern

-Align and score per plans.

-Sandblast finish with Top-cast Surface Retarder

-"Tuscany" Pavers by Tremron (or eq.)

-Light Broom finish perpendicular to travel

-Submit 2'x2' mock-up for approval.

CONC PAVERS BY TREMRON

\*Note: excludes driveway (see civil plans)

-"Coral Reef White" by A&P Coral Classics

-1  $\frac{1}{4}$ " thick, 18"x36", Running Bond Pattern

-"Shellstone" Pavers, 90° Herringbone pattern

-Seal with "natural look" sealer by techniseal

-Min. 3  $\frac{1}{8}$ " thick, butt joined, sand swept -Color: Sandstone

LANDSCAPE AREA (typ.)
-7,955 s.f.

\_Scoreline (typ.)

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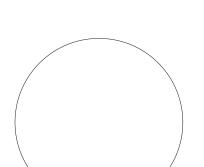
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Owner Information

#Client Phone Number

#Client Postcode





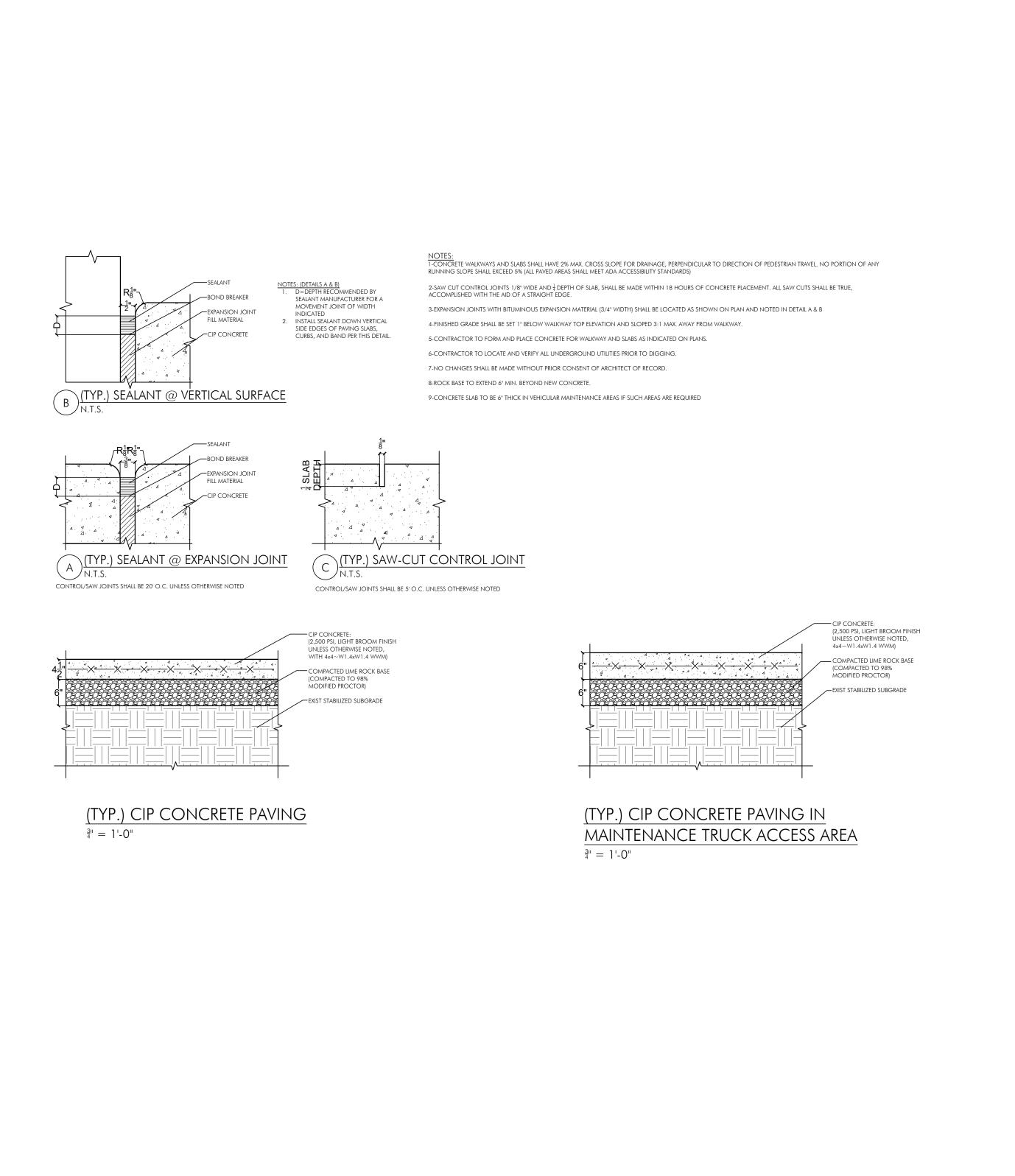
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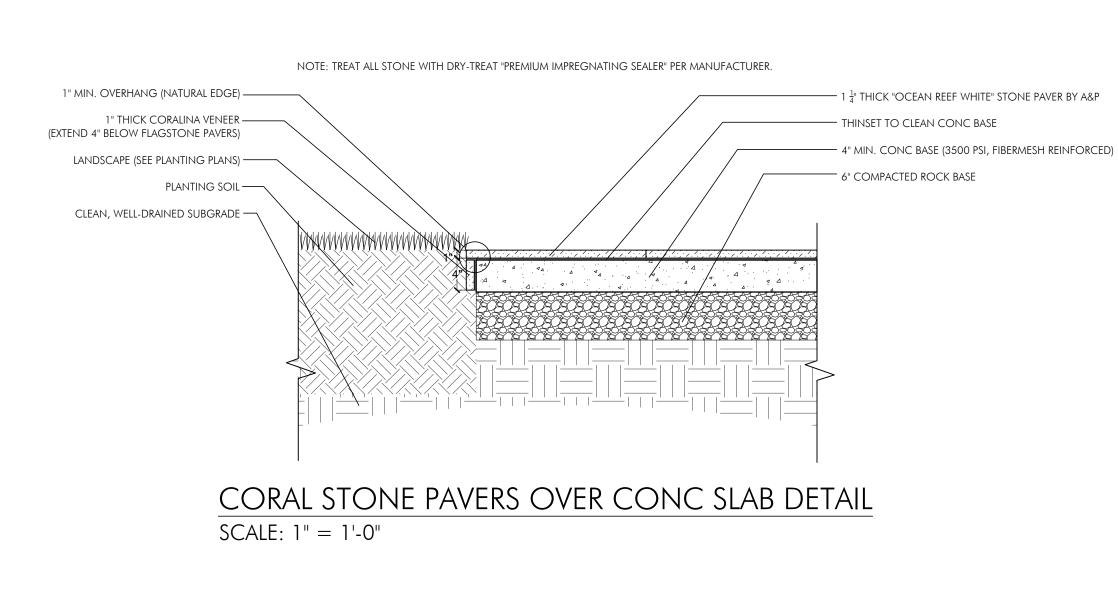
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HARDSCAPE PLAN GROUND LEVEL /

08/04/2023

**AS SHOWN** Project No. 2133 Sheet Name HARDSCAPE PLAN **GROUND LEVEL** 





2" ALUMINUM PAVER EDGING ———

EXTEND ROCK BASE 6" PAST PAVERS —

12" SPIKE (TYP.) ————

6"x8" CONC HEADER —— WITH #4 REBAR (3,000 PSI)

(SEE CIVIL PLANS) PLANTING SOIL ---(SEE PLANTING PLAN)

SUBGRADE —

6" MIN. COMPACTED LIME ROCK BASE ——— (COMPACTED TO 98% MODIFIED PROCTOR) ——PAVER: "SHELLSTONE" 4"x8"x3  $\frac{1}{8}$ " CONC PAVERS

6" MIN. COMPACTED LIME ROCK BASE (COMPACTED TO 98% MODIFIED PROCTOR)

-BY TREMRON, MANUFACTURER WARRANTY REQUIRED

— 4"x4"x4" CONC COBBLESTONE PAVERS ROUGH SIDE UP, RUNNING BOND PATTERN PARALLEL WITH STREET

1" BEDDING SAND

 $(\frac{1}{4}$ " ABOVE ADJACENT CONC HARDSCAPE)

-BUTT JOINED, SAND SWEPT

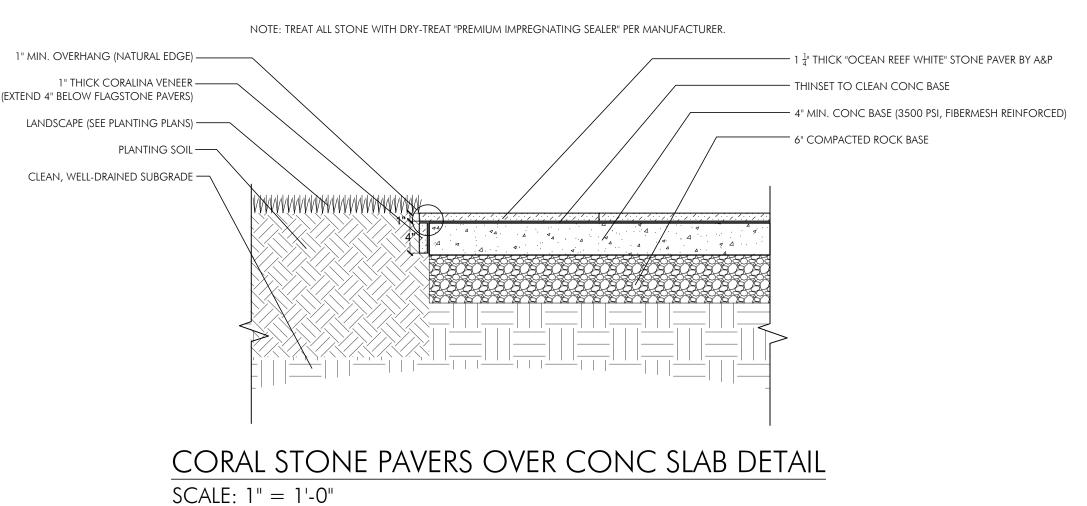
——1" BEDDING SAND

(SEE CIVIL PLANS)

SHELLSTONE PAVER OVER COMPACTED BASE EDGING DETAIL (N.T.S.)

NOTE: TREAT CONC. PAVERS WITH "NATURAL LOOK" SEALER BY TECHNISEAL

COBBLESTONE PAVER OVER COMPACTED BASE DETAIL



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Sheet Name HARDSCAPE DETAILS

**BISCAYNE BAY** PLANT LIST \_\_\_ TRDA - 3 ERLI - 25 — \_\_\_ TRDA - 3 \_\_\_ SPBA - 4 ERLI - 26 SERES - 1 PROPERTY LINE 216.55' KEY PLANT NAME – TRDA - 3 \_\_\_ TRDA - 3 14' tall x 5' spread, 3" DBH Bursera simaruba HEDE - 9 CAWI Canella winterana 12' tall x 5' spread, 2" DBH +6'-10 1/2"N.G.V.D. ...Wild Cinnamonbark +7'-0"N.G.V.D. CLRO Clusia rosea ea. 12' tall x 5' spread, 2" DBH ...Autograph Tree COER Conocarpus erectus a. 14' tall x 5' spread, 3" DBH ...Green Buttonwood HEDE - 3 — COES Conocarpus erectus "Sericeus" a. 12' tall x 6' spread, 3 trunks ..Silver Buttonwood (total 3" min. DBH) lifted tree DIBI - 1 ---AEBL - 3 17' -0" RE SPBA - 5 C SPBA - 5 TO 50 AEBL - 5 AEBL - 4 ea. 10' tall x 5' spread, 1 1/2"-2" COSE Cordia sebestena TRDA - 4 AEMA -TRDA - 2 AEMA - 5 - SERES - 3 6'-0" ALLOWABLE BALCONY PROJECTION ABOVE 50 FEET ..Orange Geiger COAR - 1 SAPA - 2 SUSA Guaicum sanctum . 8' tall x 4' spread, 1 1/2"-2" ..Lignum Vitae — CAWI - 1 Gymnanthes lucida a. 8' tall x 4' spread, 1 1/2"-2" 25' -6" REAR SETBARR LINE ABOVE 50'-0" a. 12' tall x 5' spread, 2" DBH 15% LOT DEPTH ILCA | Ilex cassine — GAPU - 9 ...Dahoon Holly international Pimenta dioica a. 12' tall x 5' spread, 2" DBH CHIC - 15 — PIMI - 6 ...Allspice ea. 14' tall x 6' spread, 3" DBH Tabebuia bahamensis ..White Tabebuia — COUV - 7 PLANT NAME GUSA -COAR Coccothrinax argentata +9'-0" N.G.V.D. ...Florida Silver Palm Santiago, Chile COCR Coccothrinax crinita POJU - 3 ...Old Man Palm CACY - 3 — — BOAS -BOCG - 1 COMI Coccothrinax miraguama **CACY - 23** revuelta-architecture.com PIMI - 7 PIMI -...Miraguama Palm SERES - 1 —— — SERES - 3 MISC - 21 — CONU Cocos nucifera var. "Green Malayan" BOAS -...Coconut Palm  $\stackrel{\searrow}{\sim}$  CONU - 3 CONU - 3 = DYDE Dypsis decaryi CONU - 1 ----. 6' CT min. CAZU - 3 — ...Triangle Palm PTSC - 3 PIMI -PTSC Ptychosperma schefferi T. 305.590.5000 F. 305.590.5040 ea. 12' tall OA PIMI - 34 — ...Scheffer's Palm — FOSE - 8 — NECR - 4 <del>— -</del> SAPA Sabal palmetto (1) @ 26' tall; (2) @ 30' tall; SOD STRIP — - MISC - 30 ...Sabal Palm (2) @ 34' tall, curved/character trunks, smooth trunk, hurricane cut, lean as shown in plans, mix sizes in groups THRA Thrinax radiata . 6' tall OA ...Florida Thatch Palm TABA - 1 — /EMO(3) Veitchia montgomeriana (triple) . 18' tall OA, 11' GW, triple ..Montgomery Palm trunk, heads M/L same height BAMBOO, VINES & OTHERS KEY PLANT NAME COER - 1 COMMON AREA A: 2,339.5 SF MODE - 8 -STNI Strelitzia nicholai 7'-8' tall overall, multi ..White Bird of Paradise BERMUDA — PIMI - 29 'CELEBRATION' SOD A: 3,919.75 SF SHRUBS A: 4,160.75 SF PLANT NAME DOG RUN AREA +9'-0"N.G.V.D. +9'-0"N.G.V.[ Aechmea blanchetiana — RUBR - 35 ...Bromeliad AEMA Aechmea malva ...Bromeliad ALPU Alpinia purpurata ..Red Ginger Bougainvillea 'Alabama Sunset' 12" x 12", to be installed on ..Alabama Sunset Bougainvillea pool trellis system +9'-0"N.G.V.D. Bougainvillea 'Barbara Karst' 12" x 12", to be installed on SAPA - 2 SH ..Barbara Karst Bougainvillea pool trellis system COORDINATE HARDSCAPE RAKU -RAKU - 3 — BOCG Bougainvillea 'California Gold' . 12" x 12", to be installed on WITH INTERIOR (SEE ARCH PLANS) <u>8.33 %</u> ..California Gold Bougainvillea pool trellis system — NEKQ - 87 CAAM Callicarpa americana — BUSI - 1 8.33 % ...American Beautyberry TRDA - 3 —— CACY Capparis cynophallophora NEKQ - 23 — CONU - 1 ----...Jamaica Caper — РНВМ - 2 CAZU Calyptranthes zuzygium SAPA -..Myrtle of the River SATR - 9 — SATR - 9 — CHIC Chrysobalanus icaco MPIMPIMPIMPIMPIMPIMPIM ..Cocoplum MPIMIPIMIPIMIPIMIPIMI HANO - 29 — —— CLRO - 1 Chrysobalanus icaco "Horizontalis" +7'-0" N.G.V.D. ..Horizontal Cocoplum CAAM CAAM - 19 POMA - 17 — COUV Coccoloba uvifera . 24" x 24", full to ground SERES -VEMO(3) -...Seagrape COSE - 3 EXISTING PALMS AEBL - 6 -Dietes bicolor BUSI - 1 ----PIMI - 38 ----POMA - 18 to remain ..African Iris Dioon mejiae TRDA -— PIMI - 31 ..Cycad TRDA - 10 ----186 ea. 3 gal cans, full, install 24" o.c. Ernodea Littoralis DYDE - 1 — CAWI - 1 25'-0" FRONT SETBACK LINE ABOVE 50 FEET ...Golden Creeper EUFO Eugenia foetida ea. 24" x 24", full to ground SOD STRIP — COES - 1 — EUFO - 8 ..Spanish Stopper COLO" TRONT SETBACK LINE UP TO 50 FEET COES - 1 ---- FOSE - 14 FOSE Forestiera segregata COCR - 1 SERES - 1 ea. 24" x 18", full 6'-0" ALLOWA THRA - 1 VY PROJECTION ..Florida Privet — COSE - 3 — PHBM - 58 ZAPU - 12 —— CAWI - 1 ea. 18" x 18", install 18" o.c. HANO Hamelia nodosa — CHIH - 58 TRDA - 5 —— ...Dwarf Firebush . 4' x 3', multi-trunk, full to Megaskapasma erythroclamys ...Brazilian Red Cloak MODE Monstera deliciosa . 30" x 30", mature leaves, install SEREG - 5 TABA - 1 — — SERES - 3 ..Monstera COES -. 5' x 5', full to ground MYFR Myrcianthes fragrans - EXISTING TREE to remain Simpson's Stopper NECR Neomarica caerulea 'Regina' — CHIH - 36 ..Blue Walking Iris PROPERTY LINE 200.00' \_\_ +4'-3" PHBM Philodendron var. "Burle marx" ..Burle Marx Philodendron Philodendron 'Weeks Red' a. 36" x 24", Install against trunk Owner Information ...Climbing Philodendron where shown POJU Portea "Jungles" – AEBL - 5 └── ERLI - 39 CITY OF MIAMI BEACH . Bromeliad — AEBL - 3 POMA Podocarpus macrophyllus a. 48" x 24", full to ground LANDSCAPE LEGEND └─ TRDA - 7 ├ GUSA - 1 ..Maki Yew └─ VAAN - 3 PSBA Psychotria bahamensis └─ COES - 1 INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS #Client City, #Client State ..Bahamas Wild Coffee Zoning District\_\_\_\_\_RM-1\_\_\_\_ Lot Area \_\_\_\_35,406\_ Acres\_\_\_.81\_\_\_\_ — GYLU -#Client Postcode ea. 30" x 24", full to ground RAKU Radermachera var. "Kunming" REQUIRED/ ...Radermachera ALLOWED PROVIDED RUBR Ruellia brittoniana ea. 18" x 18" OPEN SPACE ..Mexican Blue Bell A. Square feet of required Open Space as indicated on site plan: SATR Sanseveria trifasciata Lot Area = \_\_\_\_35406\_\_ s.f.x \_\_\_9.5\_\_\_\_ % = \_\_\_\_\_\_ s.f. 8,024 Snake Plant B. Square feet of parking lot open space required as indicated on site SEREG Serenoa repens 'Green' Number of parking spaces \_\_0\_\_ x 10 s.f. parking space = ..Saw Palmetto 3364 8,024 C. Total square feet of landscaped open space required: A+B= SERES Serenoa repens 'Silver' ..Saw Palmetto Spartina bakerii LAWN AREA CALCULATION ..Sand Cordgrass NOTE: AN AUTOMATIC IRRIGATION SYSTEM WILL A. Square feet of landscaped open space required TRDA Tripsacum dactyloides a. 3 gal cans, full BE PROVIDED ON THE PERMIT SET OF PLANS. B. Maximum lawn area (sod) permitted= \_\_\_50\_\_\_\_ % x \_\_8024\_\_ s.f. 4,012 ..Fakahatchee Grass Vallesia antillana ..Pearlberry YUAL Yucca aliofolia A. Number of trees required per Acre, less existing number of trees ..Spanish Bayonet meeting minimum requirements= \_\_\_\_28\_\_\_\_\_ trees x \_\_\_.81\_\_\_ net lot acres - number of existing trees= ..Coontie B. % Natives required: Number of trees provided x 30% = GROUNDCOVERS C. % Low maintenance / drought and salt tolerant required: ea. 12" x 12", install 12" o.c. GAPU Gaillardia pulchella 12 Number of trees provided x 50%= ..Indian Blanket Flower 1114 ea. 12" x 12", install 12" o.c. D. Street Trees (maximum average spacing of 20' o.c.) HEDE Helianthus debilis \_\_\_\_0\_\_\_linear feet along street divided by 20'= ...Dune Sunflower

MISC Microsorum scolopendria E. Street tree species allowed directly beneath power lines: . 12" x 12", install 12" o.c. ...Wart Fern (maximum average spacing of 20' o.c.): NEKQ Nephrolepis obliterata "Kimberly Queen" 170 ea. 12" x 12", install 12" o.c. \_\_\_\_200\_\_\_\_ linear feet along street divided by 20'= 10 PIMI Pilea microcarpa 306 ea. 8" x 8", install 12" o.c. ..Artillery Fern MISCELLANEOUS A. Number of shrubs required: Sum of lot and street trees req x 12= 396 874 Planting Soil: as req. | c.y. | excavate and backfill 18" depth B. % Native shrubs required: Number of shrubs provided x 50%= 437 70% Silica Sand 576 in all planting areas. 20% Everglades Muck <u>LEGEND</u> 10% Shredded Pinebark PLANTING PLAN GROUND LEVEL LARGE SHRUBS OR SMALL TREES A. Number of large shrubs or small trees required: Number of required Bermuda 'Celebration' as req. s.f. solid sod (only in dog run area) 51 TREE/PALM TO as req. c.y. 3" layer in all shrub beds as req. l.f. 24" deep, manufactuerer to be Shredded Melaleuca Mulch B. % Native large shrubs or small trees required: Number of large Rootguard 51 shrubs or small trees provided x 50%=

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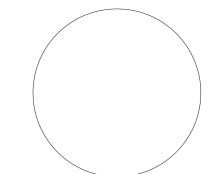
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Sheet Name PLANTING PLAN **GROUND LEVEL** 

each plant and continue until all plant installation is complete and accepted. Maintenance repairing of guys, repair of braces, removal of dead growth, resetting of plants to proper grade or up-right position, restoration of plant saucer, litter pick-up in plant beds and other a 6" high ring of mulch at the outer edge of tree and palm holes. necessary operations to assure specified minimum grade of Florida No. 1. 2. Turf Areas: Begin maintenance of turf immediately following the placement of sod and

continue until sod installation is complete and accepted. Maintenance shall include but not be limited to, watering, leveling, mowing, weed and pest control, fungus and disease control 3.8 SODDING and other necessary operations as determined by the Landscape Architect and good nursery

A. Provide a blanket of lawn sand as described in the notes in these plans. Prior to planting, 3. Re-setting or straightening trees and palms:

The Contractor shall re-set and/or straighten trees and palms as required at no additional cost to the Owner unless caused by sustained winds of 75 mph or more. Then, the costs of the operations may be charged to the owner. Re-set trees within 48 hours. 1.12 ACCEPTANCE OF INSTALLATION

A. Inspection: Inspection of the work, to determine completion of contract work, exclusive of from edge of shrub beds and 36" from trees, measured from the edge of plant or tree trunk. the possible replacement of plants and turf, will be made by the Landscape Architect at the conclusion of the maintenance period. Written notice requesting such an inspection and submitted by the Contractor at least ten (10) days prior to the anticipated date.

1.13 GUARANTEE A. Guarantee all plants for a period of one year (CCD). Guarantee shall commence from the date of written acceptance. Plant material which is on the site and scheduled to be relocated is not covered by the guarantee except in the case of Contractor's negligence or work that has been done in an unworkman-like manner. The Contractor is not responsible for loss due to acts of god, (i.e.) sustained winds of 75 mph or more, floods, frost, lightning, vandalism or theft.

1.14 REPLACEMENT A. Replacement shall be made during the guarantee period as directed by the Landscape Architect within ten (10) days from time of notification. For all replacement plant material, the guarantee period shall extend for an additional forty-five (45) days beyond the original guarantee period. The Contractor shall be responsible to provide water to the replacement plants in sufficient quantity to aid in their establishment. At the end of the guarantee period, inspection will be made by the Landscape Architect, upon written notice requesting such inspection and submitted by the Contractor at least five (5) days before the anticipated date. Replacement plants must meet the requirements of Florida No. 1 at time of inspection. Remove from the site all plants that are dead or in a state of unsatisfactory growth, as determined by the Landscape Architect. Replace these and any plants missing due to the Contractor's negligence as soon as conditions permit.

1. Materials and Operations: All replacement plants shall be of the same kind and size as indicated on the plant list. The Contractor shall supply and plant the plants as specified under planting operations.

2. Cost of Replacements: A sum sufficient to cover the estimated cost of possible replacements, including material and labor will be retained by the Owner and paid to the Contractor after all replacements have been satisfactorily made and approved by the Landscape Architect.

PART 2 - MATERIALS

A. Planting soil for trees, shrubs and ground covers shall be of the composition noted on the plans, measured by volume.

B. Soil for Sodded Areas: shall be coarse lawn sand.

A. Fertilizer for trees, palms, shrubs, and groundcovers shall be as follows: LESCO Palm Special 13-3-13 or equal, Sulfur coated with iron and other minor elements and maximum of can). 2% chlorine, or brand with equal analysis. The fertilizer shall be uniform in composition, dry and free flowing and shall be delivered to the site in the original unopened containers, bearing the manufacturer's guaranteed analysis. Fertilizer for sod and seeded areas shall be 8-6-8, 50% organically derived nitrogen, or equal.

A. The Contractor shall provide potable water on site, available from the start of planting. The Contractor is responsible to ascertain the location and accessibility of the water source.

etc.) for distribution of water to the planting areas.

A. Mulch shall be shredded Melaleuca mulch (Florimulch) as manufactured by Forestry Resources, Inc., or equal. 2.5 ROOT BARRIER MATERIAL

A. Root barrier material shall be 24" deep polypropolylene panels by DeepRoot or approved

B. Install per details in the plans.

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PART 3 - INSTALLATION PROCEDURES

3.1 LAYOUT A. Verify location of all underground utilities and obstructions prior to excavation.

A. In all areas infected with weed and/or grass growth, a systemic herbicide, such as Roundup, shall be applied per manufacturer's rates. When it has been established where work will be done, the systemic herbicide shall be applied in accordance with manufacturer's labeling to kill all noxious growth. Contractor shall schedule his work to allow more than one application to obtain at least 95% kill of undesirable arowth. If necessary, Contractor shall conduct a test to establish suitability of product and applicator to be used on this project, prior to execution of the full application.

3.3 PLANT PIT EXCAVATION AND BACKFILLING A. Trees: See the Planting and Bracing Details and notes.

B. All planting holes shall be hand dug where machine dug holes may adversely affect

C. Shrubs and Groundcover: Shrubs and groundcover shall be planted in a soil bed as described in the notes and details. Space shrubs and provide setback from curb and pavements as shown in the plans.

plant sizes are specified as a range of size, installed materials shall average the mean of the D. Watering of field-grown plants: Thoroughly puddle in water to remove any air pockets in

3.4 WATERING

A. The Contractor is responsible to provide the water for all new plants and transplants and means of distribution (i.e. hand watering or water truck) during the maintenance period and extending into the period after acceptance until the full schedule as listed below is complete. Water for trees and other large field grown plants shall be supplemented by hand or water truck, in addition to the irrigation system, (if one is provided). Contractor can adjust watering schedule during heavy rain season upon approval of the Landscape Architect.

AMOUNT OF WATER PER APPLICATION For trees up to 5 inch caliper - 5 gallons From 5 to 8 inch caliper - 25 gallons

9 inch and up caliper - 50 gallons FREQUENCY OF WATER

Daily for the first week 3 times per week for weeks 2 - 5 2 times per week for weeks 6 - 8 1 time per week for weeks 9 - 12

B. Water in plants by thoroughly soaking of the entire root ball immediately after planting. soil around the root ball.

C. Water shrubs, sod and groundcover a minimum of once daily for a week or until an irrigation system is fully operational. If no irrigation system is to be installed, the Contractor shall be responsible for watering the shrub, sod, and groundcover for the time specified

3.5 FERTILIZING

A. Add fertilizer on top of the surface of shrubs beds and tree and palms root balls two (2) months after installation. Fertilize sod within two (2) days after installing after planting of each segment of the job. Fertilizer shall be applied after soil has been well moistened. Fertilizer

1. Trees and Large Shrubs: One (1) pound per inch of trunk diameter, spread evenly over

2. Shrubs: One half (1/2) handful per shrub, spread evenly over the root ball area.

3. Groundcover: Twelve (12) pounds per 100 sq. ft. of bed area. 4. Sod: Twelve (12) pounds per 1,000 sq. ft. Wash fertilizer off blades immediately after

3.6 MULCHING groundcover beds, depth measured after settling, unless otherwise specified in the shall include watering all plants, weeding, mulching, pest and disease control, tightening and plans. Provide 36" diameter bed of mulch, measured from outer edge of the trunk, for all trees and palms planted in sod areas. Keep mulch away from contact with the trunk. Create

> 3.7 GUYING AND BRACING A. See the details bound herewith or made part of the plans.

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. B. Place sod on moistened soil, with edges tightly butted, in staggered rows at right angles to slopes. The sod shall be rolled with a 500 pound hand roller immediately after placing. C. Keep edge of sod bed a minimum of 18" away from groundcover beds and 24" away

D. Sod shall be watered immediately after installation to uniformly wet the soil to at least two inches below the bottom of sod strips.

E. Apply fertilizer to the sod as specified in Section 3.5.

F. Excavate and remove excess soil so top of sod is flush w/top of curb or adjacent

## PLANT BED PREPARATION NOTES

1. In all areas where new sod and shrub and groundcover masses are to be planted, kill all existing weeds by treating with Round-up prior to beginning soil preparation. 2. In all shrub and groundcover beds, prepare soil as described for either condition, over the entire area to be planted:

If any compacted road base or asphalt or rocky soil is encountered, remove compacted material entirely to allow an 18" depth of planting soil. Backfill the entire area of the shrub and groundcover beds with 18" planting soil (as specified in Plans) to within 2 inches of the adjacent pavement or top of curb. Remove all debris and rocks and pebbles larger than 2 inches in size and level the grade before

Where no compacted soil is encountered, thoroughly mix 6 inches of planting soil into the existing soil to a depth of 18 inches. If required, excavate and remove the existing soil to lower the grade, so that the prepared mix is finished to a minimum of 2 inches below top of curb or adjacent walkway. Remove all debris and rocks and pebbles larger than 2 inches in size and level the grade before planting.

For all sod areas, spread a 2" deep layer of lawn sand prior to sodding. Remove all debris and rocks and pebbles larger than 2 inchs in size and level the grade before sodding. Remove, if required, existing soil so that top of sod is flush with and adjacent top of curb or pavement.

For Trees and shrubs larger than 7 gallon, Add Diehard" transplant innoculant supplied by Horticultural Alliance, Inc. (800-628-6373) or equal. Mix into top 8-10 inches of planting hole, making sure it is contact with the root ball. Add at a rate specified by manufacturer (typically 4oz. per 1 inches of trunk caliper or 7 gallon

SPACING OF PLANTS (SEE PLANT SPACING DETAIL)

1. Plants shall be planted sufficiently away from edges of pavements or curbs, to allow for growth toward the edges of the bed.

PROTECTION OF PLANTS

adjacent to the area of work. Erect barriers as necessary to keep equipment and materials, any toxic material, away from the canopy drip line of trees and shrubs. DO NOT PILE SOIL OR DEBRIS AGAINST TREE TRUNKS OR DEPOSIT NOXIOUS BUILDING SUPPLIES OR CHEMICALS WITHIN THE DRIP LINE.

☐ ½" X 5½" (3.2MM X 140MM), 0.072" (1.82MM) THICK w/ 0.135" (3.43MM) EXPOSED TOP LIP (MF) MILL FINISH-NATURAL ALUMINUM PERMALOC 1. INSTALL PER MANUFACTURER'S CLEANLINE "INSTALLATION GUIDELINES" ALUMINUM EDGING 8'-0" (2.44 M) SECTIONS TO INCLUDE (3) 12" (305 MM) ALUMINUM STAKES. TOP OF EDGING TO 16'-0" (4.88 M) SECTIONS TO BE MAXIMUM OF INCLUDE (5) 12" (305 MM) ½" (12.7MM) ABOVE aluminum stakes. SURFACE MÁTERIAL CORNERS - CUT BASE EDGING UP HALFWAY AND BED MEDIA OR 4. FORM A CONTINUOUS CORNER. AGGREGATE PERMALOC CLEANLINE AS MANUFACTURED BY COMPACT GRADES PERMALOC CORPORATION ADJACENT TO HOLLAND MI. EDGING TO AVOID (800) 356-9660, SETTLING (616) 399-9600 CONTRACTOR'S NOTE: 12" (305MM) FOR PRODUCT AND ALUMINUM STAKES 6. PURCHASING INFORMATION TO LOCK INTO VISIT:WWW.PERMALOC.COM PREFORMED LOOPS ON THE EDGING ALUMINUM EDGING DETAIL

5 LAYERS OF BURLAP 5(2"X4"X16" WOOD BATTENS STEEL BAND TOP OF STAKE AT N.T.S. BATTEN DETAIL B CURVED TRUNK LEAN ANGLE AS NOTED ON PLAN/PLANT LIST NOTE- USE 4" X 4" STAKES PALMS OVER 12" CALIPER PROVIDE FOUR 2'X4' PINE STAKES -NECESSARY TO SUPPORT LEAN) ATTACH W/NAILS TO BATTENS NO NAILS IN TREE ALL SUPPORT MATERIALS ARE TO BE REMOVED FROM THE SET ROOTBALL SO -PALMS ONCE THE TREES HAVE BECOME ESTABLISHED TRUNK FLARE OR TOP ROOT NOT TO EXCEED 12 MONTHS FROM THE COMPLETION IS 2" ABOVE SURROUNDING GRADE OF THE PROJECT). INSTALL 2" OF MULCH OVER 3" DIAMETER CIRCLE AROUND THE TRUNK. DO NOT PLACE MULCH WITHIN 3" OF THE — 6" HIGH TEMPORARY RETENTION RING OF SOIL TO ASSIST IN IRRIGATION OF THE TREE. REMOVE RING 3 MONTHS REMOVE ANY PORTION OF WIRE AFTER INSTALLATION. BASKETS OR BURLAP ABOVE THE --- FINISHED GRADE TOP HALF OF THE ROOTBALL. FOLD BACK BURLAP COVERINGS BELOW THE TOP HALF OF THE ROOTBALL, COMPLETELY REMOVE ALL SYNTHETIC ROOTBALL HOLES TO ACCOMMODATE PLANTS SHALL BE A MINIMUM COVERING MATERIALS. OF THREE TIMES THE SIZED OF THE PLANT ROOTBALL. LIGHTLY COMPACTED SUBGRADE DETAIL A - ALL BACKFILL FOR TREES SHALL BE EXISTING SOIL WITH ALL ROCKS 2" OR LARGER REMOVED WOOD STAKES TOP OF STAKES BELOW OR FLUSH WITH GRADE ——— 3 TIMES ROOT BALL DIAMETER ANGLE SUBGRADE BASE AND — FERTILIZER SHALL BE INSTALLED AS PER THE PLANTING & BRACING DETAIL FOR LEANING/CROOKED PALMS

TREE TRUNK EDGE OF PAVEMENT PLAN VIEW ROOT BARRIER (24" DEEP) → FDGE OF PAVEMENT Install root barrier so top of barrier is flush with top of grade. When trees are to be installed CLOSER THAN 8 FT. from edge of walks or curbs, install a root barrier. The root barrier shall extend a minimum of 15 ft. from the edge of the trunk in either direction. ROOT BARRIER INSTALLATION DETAIL

SET ROOTBALL SO

TRUNK FLARE OR TOP ROOT

3" DIAMETER CIRCLE AROUND

THE TRUNK, DO NOT PLACE

IS 2" ABOVE SURROUNDING GRADE

INSTALL 2" OF MULCH OVER ———

REMOVE ANY PORTION OF WIRE

DMPLETE REMOVE ALL SYNTHETIC

(2)2" DIA. 8' LONG WOOD DOWELS 4

PLANTING & BRACING DETAIL

UNDER 3 1/2" CALIPER

- 3 TIMES ROOT BALL DIAMETER

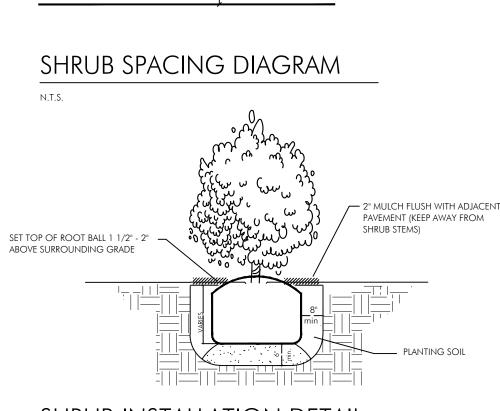
BASKETS ABOVE THE TOP HALF OF

BURLAP COVERINGS BELOW THE TOP HALF OF THE ROOTBALL.

ROOTBALL COVERING MATERIALS

20°APART DRIVEN THROUGH

BOTTOM OF PLANTING PIT

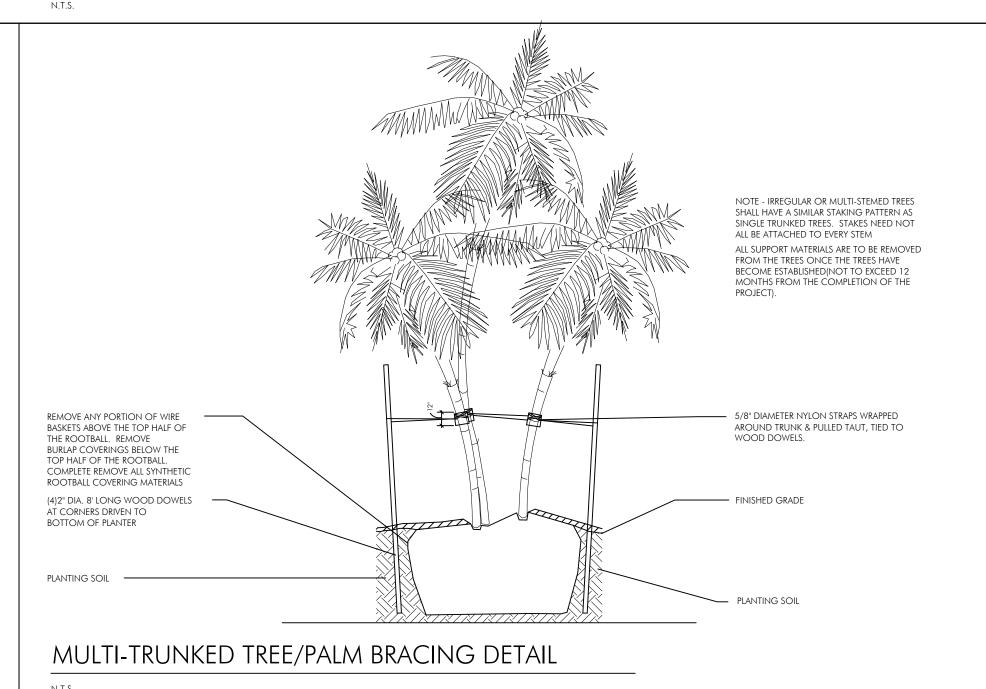


DISTANCE VARIES FOR EACH SPECIES SPACING

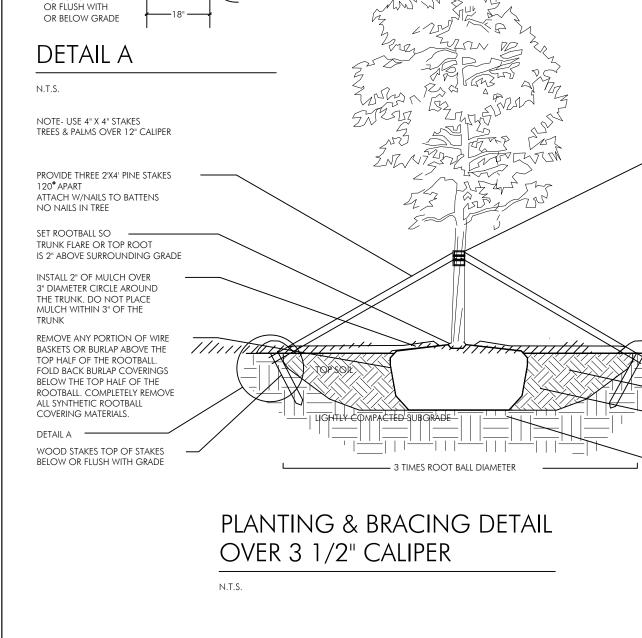
WALL, CURB, EDGE OF PAVEMENT, OR EDGE OF BED

SHRUB INSTALLATION DETAIL

- FINISHED GRADE



NOTE - IRREGULAR OR MULTI-STEMED TREE SHALL HAVE A SIMILAR STAKING PATTERN A SINGLE TRUNKED TREES. STAKES NEED NOT ALL BE ATTACHED TO EVERY STEM ALL SUPPORT MATERIALS ARE TO BE REMOVED N.T.S. FROM THE TREES ONCE THE TREES HAVE BECOME ESTABLISHED (NOT TO EXCEED 1: MONTHS FROM THE COMPLETION OF THE NO NAILS IN TREE AROUND TRUNK & PULLED TAUT, TIED TO 6" HIGH TEMPORARY RETENTION RING OF SOIL TO ASSIST IN IRRIGATION OF THE TREE. REMOVE RING 3 MONTHS AFTER INSTALLATION. HOLES TO ACCOMMODATE PLANTS SHALL BE A MINIMUM OF THREE TIMES THE SIZED OF ALL BACKFILL FOR TREES SHALL BE AS EXISTING SOIL WITH ALL ROCKS 2" OR LARGER REMOVED - FERTILIZER SHALL BE INSTALLED AS PER THE



TOP OF STAKE AT BATTEN DETAIL B NOTE - IRREGULAR OR MULTI-STEMED TREES SHALL HAVE A SIMILAR STAKING PATTERN AS SINGLE TRUNKED TREES. STAKES NEED NOT ALL BE ATTACHED TO EVERY STEM. ALL SUPPORT MATERIALS ARE TO BE REMOVED FROM THE TREES ONCE THE TREES HAVE BECOME ESTABLISHED (NOT TO EXCEED 12 MONTHS FROM THE COMPLETION OF THE PROJECT). - 6" HIGH TEMPORARY RETENTION RING OF SOIL TO ASSIST IN IRRIGATION OF THE TREE. REMOVE RING 3 MONTHS AFTER INSTALLATION. - HOLES TO ACCOMMODATE PLANTS SHALL BE A MINIMUM OF THREE TIMES THE SIZED OF THE PLANT ROOTBALL. - ALL BACKFILL FOR TREES SHALL BE EXISTING SOIL WITH ALL ROCKS 2" OR LARGER REMOVED

5 LAYERS OF BURLAP \_\_\_\_ 5(2"X4"X16" WOOD BATTENS international

Santiago, Chile

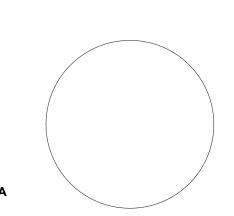
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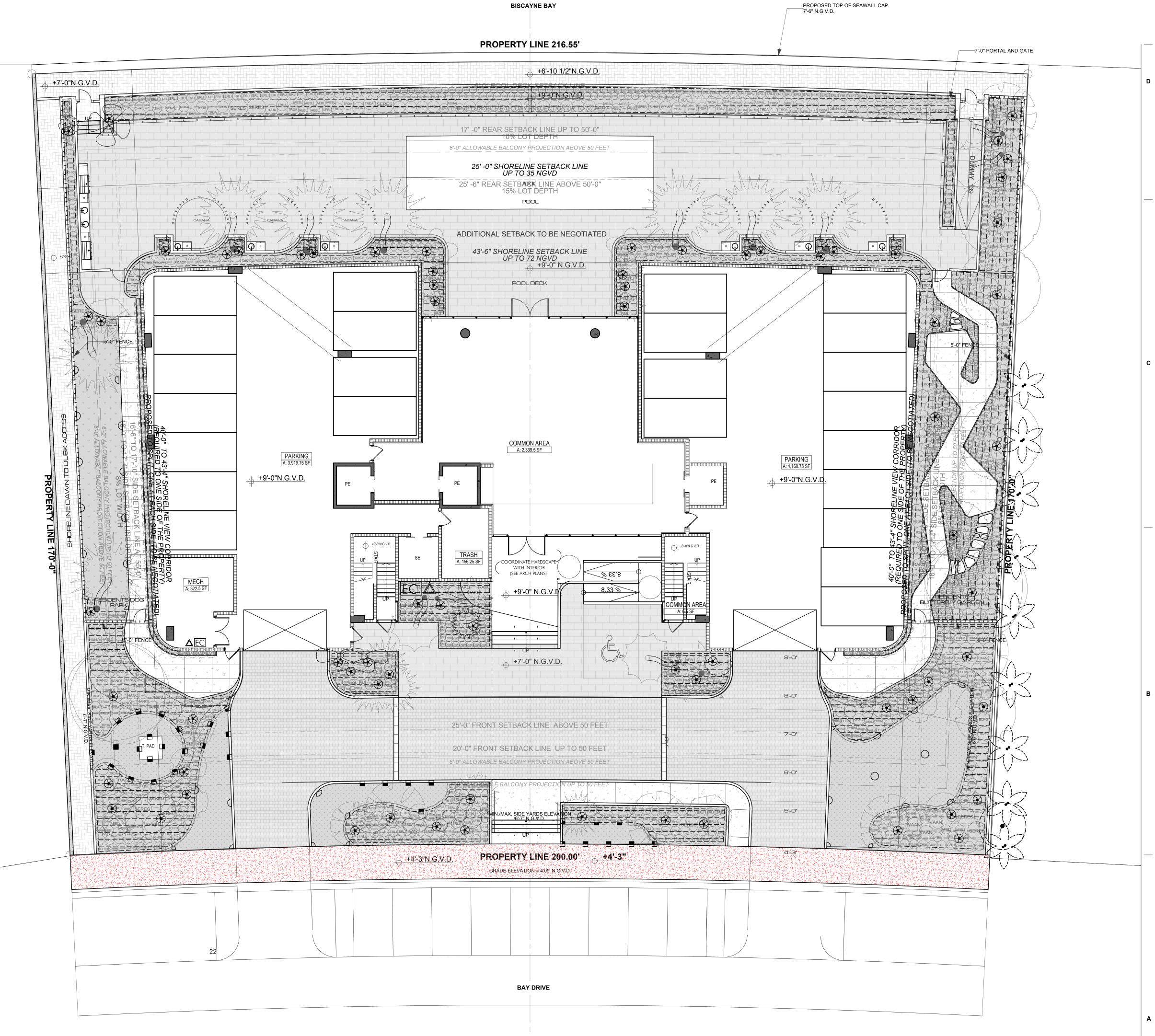
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AND DETAILS

IRRIGATION MATERIALS LIST QTY. \_\_\_\_\_ PVC laterals shall be Class 200 PVC as required (sized as shown on plans) — — — — MAIN shall be Class 200 PVC as required PVC sleeves shall be Class 200 PVC as required (sized double the width of the pipe running through it) Flexible PVC or Polypipe (for swing as required Water Meter and Backflow Prevention Assembly (See Civil Plans) Electric Controller RAINBIRD ESPME3 Series Controller Rainbird RSD Series Rain Sensor (locate in area of free rainfall) RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve Irrigation Control Wire as required RAINBIRD Spray Heads 1800 @ 30 PSI as required Series w/MPR nozzles 6" pop-up in grass areas 12" pop-up on risers in shrub beds (1.58 gpm) 10-TQ (1.18 gpm) (.79 gpm) 10-T (.53 gpm) 10-Q (.39 gpm) (.41 gpm) 5-TQ (.33 gpm) 5-H (.20 gpm) (.13 gpm) (.10 gpm) RAINBIRD 1300A-F Adjustable Flood Bubbler as required (1.5 gpm) Rainbird 1" Inline Pressure Regulator as required (PSI-M40X-100)(drip zones not to exceed 40psi max) RAINBIRD XFS Subsurface Dripperline as required XFS-09-12-500/250/100 Air/Vaccum Relief Valves Kit (3/4" Air relief valve/ Easy Fit Compression Tee/ and Flush Cap) Residential Wide Flow Control Zone Kit as required (XCZ100PRBCOM) (0.3-20 gpm) RAINBIRD 3-RC Quick Coupler Valve as required PVC Supply Header for dripplerline as required Class 200 PVC RAINBIRD Xeri-Bubbler UXB-360-1032 (.6 gpm) LATERAL PIPE SIZING The Contractor is responsible to properly size all laterals. All laterals shall be sized according to the following schedule. Total gallonage per pipe section shall be calculated be adding the GPM per head for every head downstream of the pipe. CLASS 200 PVC PIPE SIZING CHART 0-8 GPM 8-14 GPM 14-24 GPM 24-32 GPM 32-50 GPM 50-75 GPM 60-110 GPM 110-190 GPM

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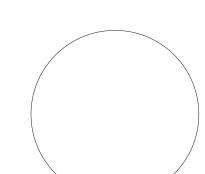
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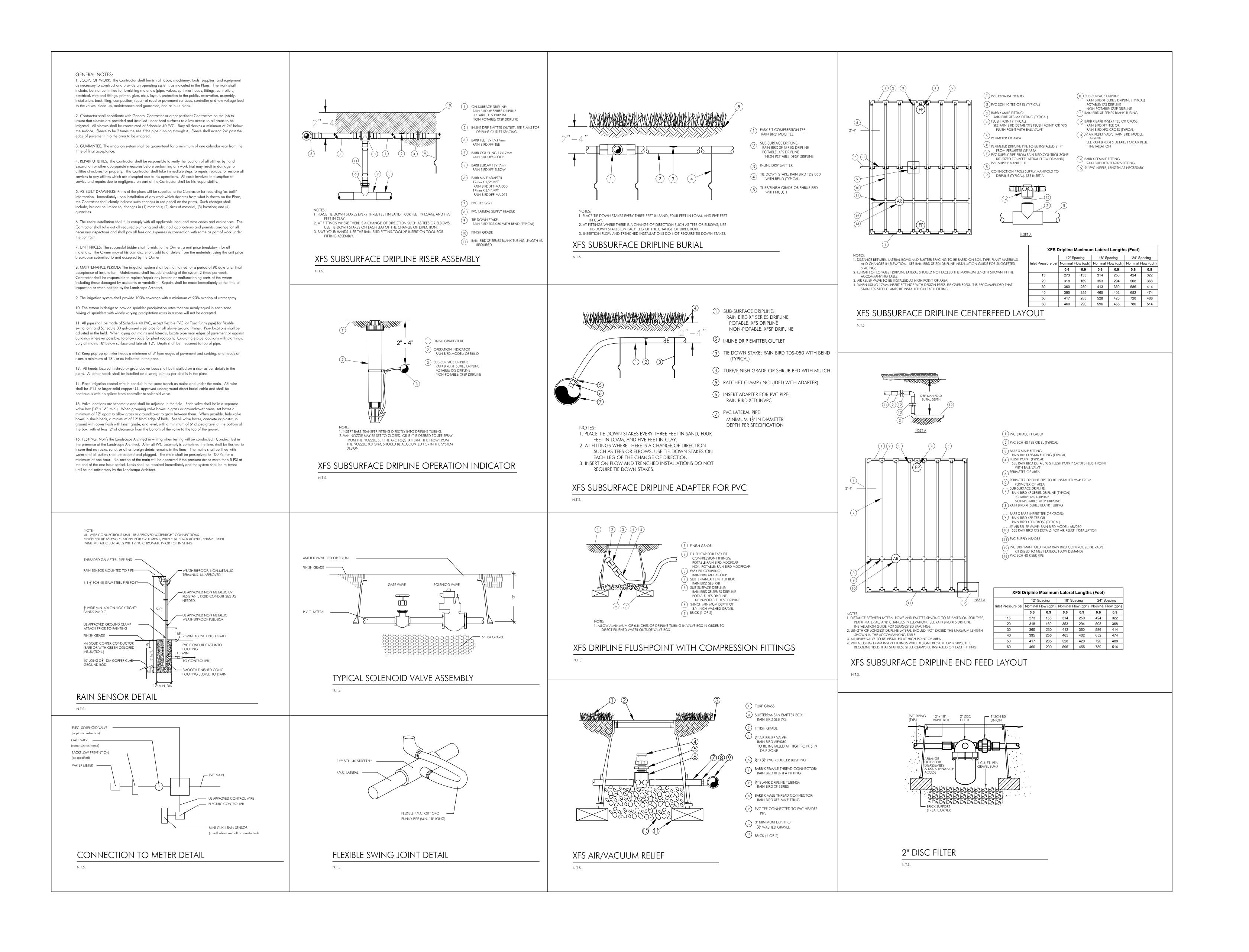
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IRRIGATION HEAD LAYOUT PLAN GROUND LEVEL /

08/04/2023 **AS SHOWN** Project No.

Sheet Name IRRIGATION PLAN **GROUND LEVEL** LA-601



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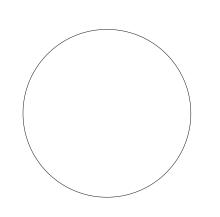
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