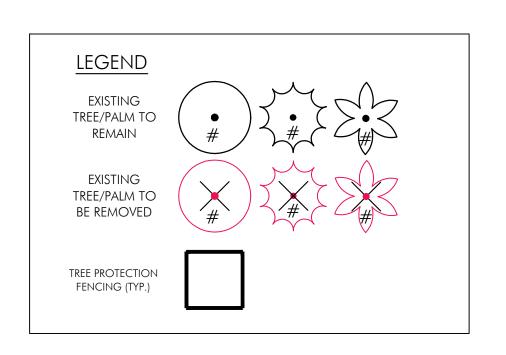
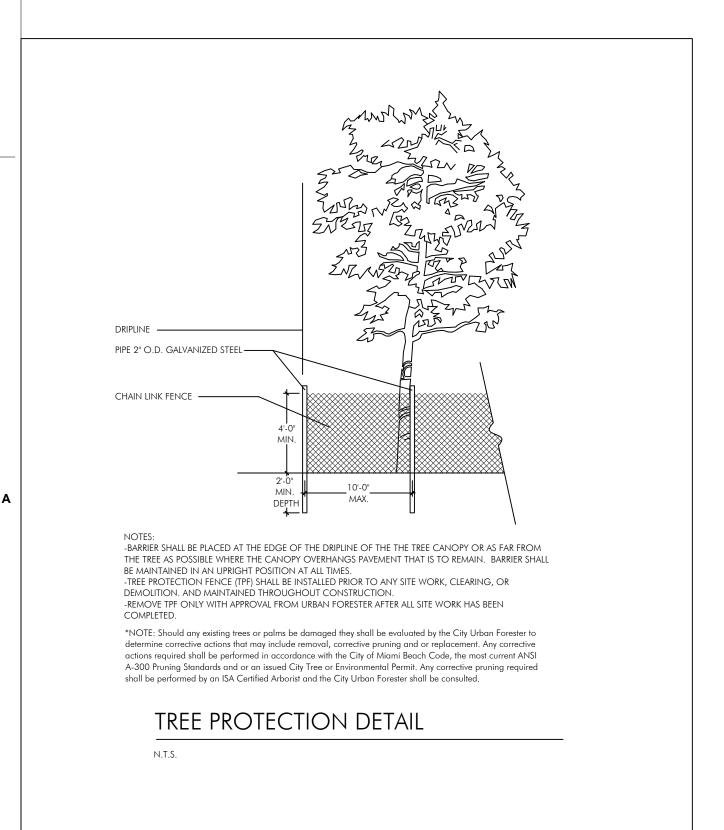
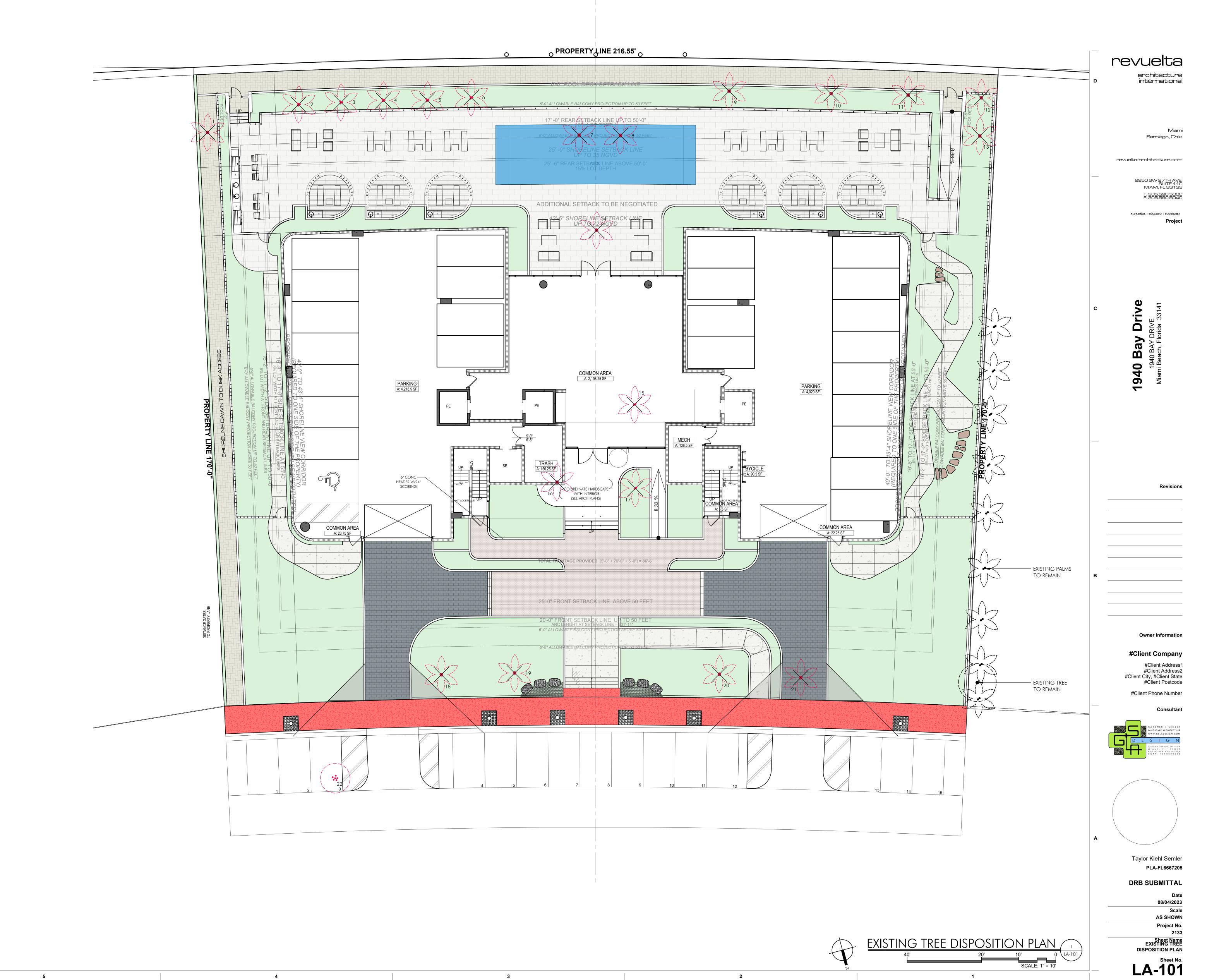
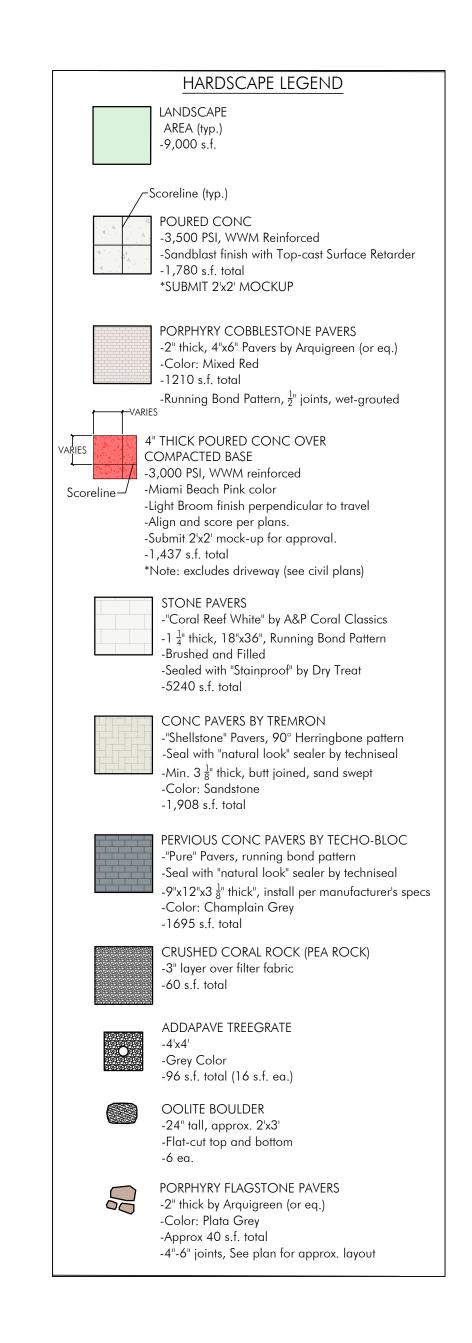
*1 Palm Replacement = 1 Tree @ 12' HT x 2" DBH

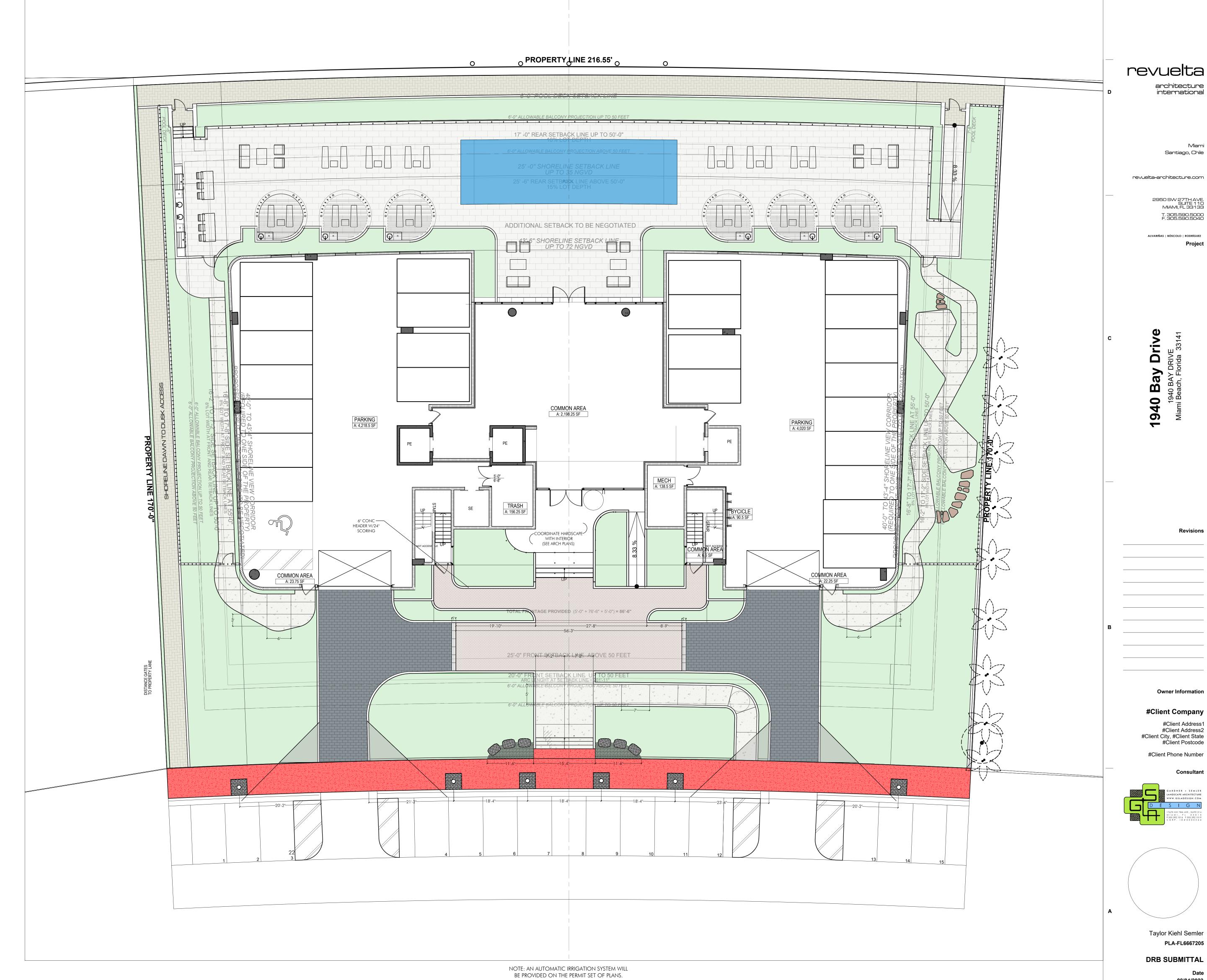








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<u>LEGEND</u>

TREE/PALM TO

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HARDSCAPE PLAN GROUND LEVEL

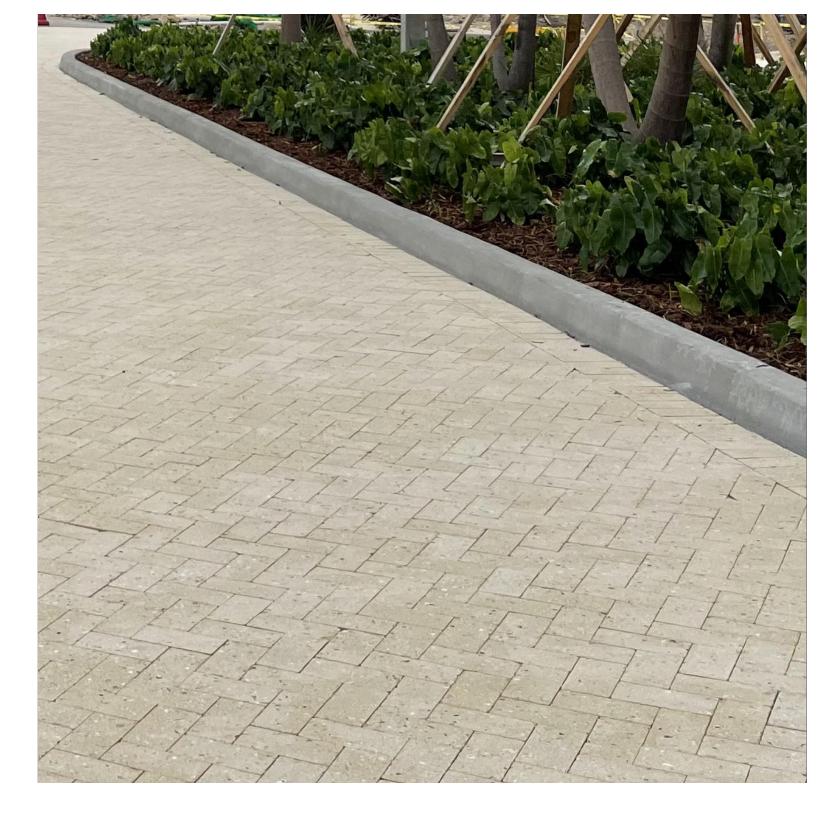
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08/04/2023 **AS SHOWN** Project No. 2133 Sheet Name HARDSCAPE PLAN

GROUND LEVEL LA-201

"SHELLSTONE" PAVERS BY TREMRON

SANDSTONE COLOR, HERRINGBONE PATTERN



"PURE" PERVIOUS COBBLE PAVERS BY TECHO-BLOC

CHAMPLAIN GREY COLOR, RUNNING BOND PATTERN



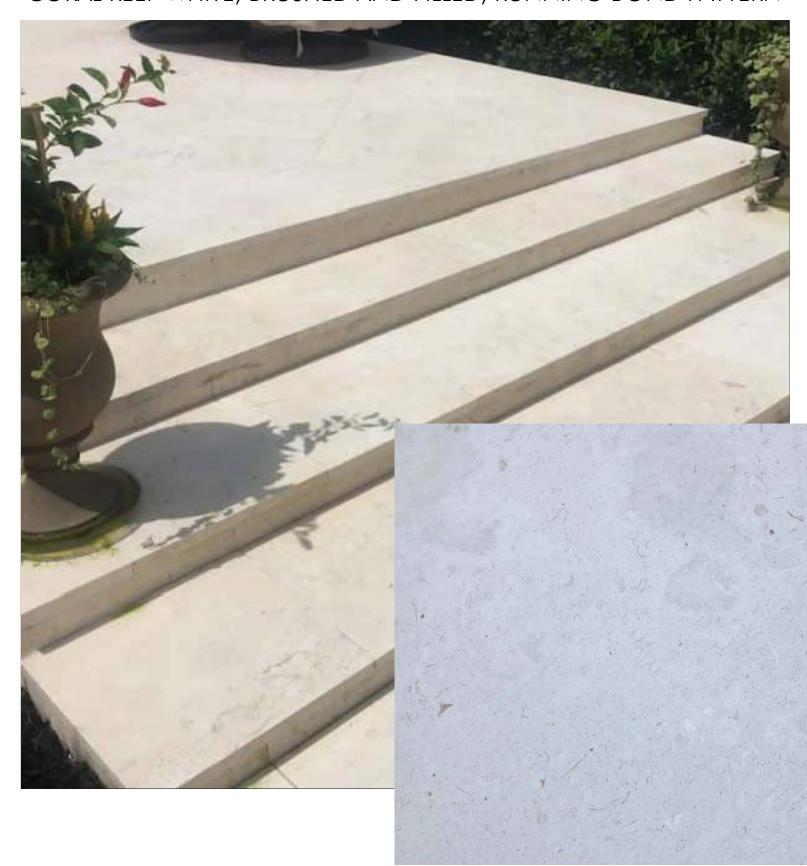
PORPHYRY COBBLESTONE PAVERS BY ARQUIGREEN

MIXED RED COLOR, RUNNING BOND PATTERN



STONE PAVERS
BY A&P CORAL CLASSICS
"CORAL REFE WHITE, BRUSHED AND FILLED, RU

"CORAL REEF WHITE, BRUSHED AND FILLED, RUNNING BOND PATTERN



CAST-IN-PLACE CONCRETE

STANDARD GREY COLOR, SANDBLAST FINISH



MIAMI BEACH PINK

CAST-IN-PLACE CONCRETE

MIAMI BEACH PINK COLOR, LIGHT BROOM FINISH



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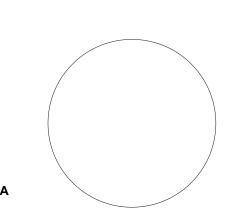
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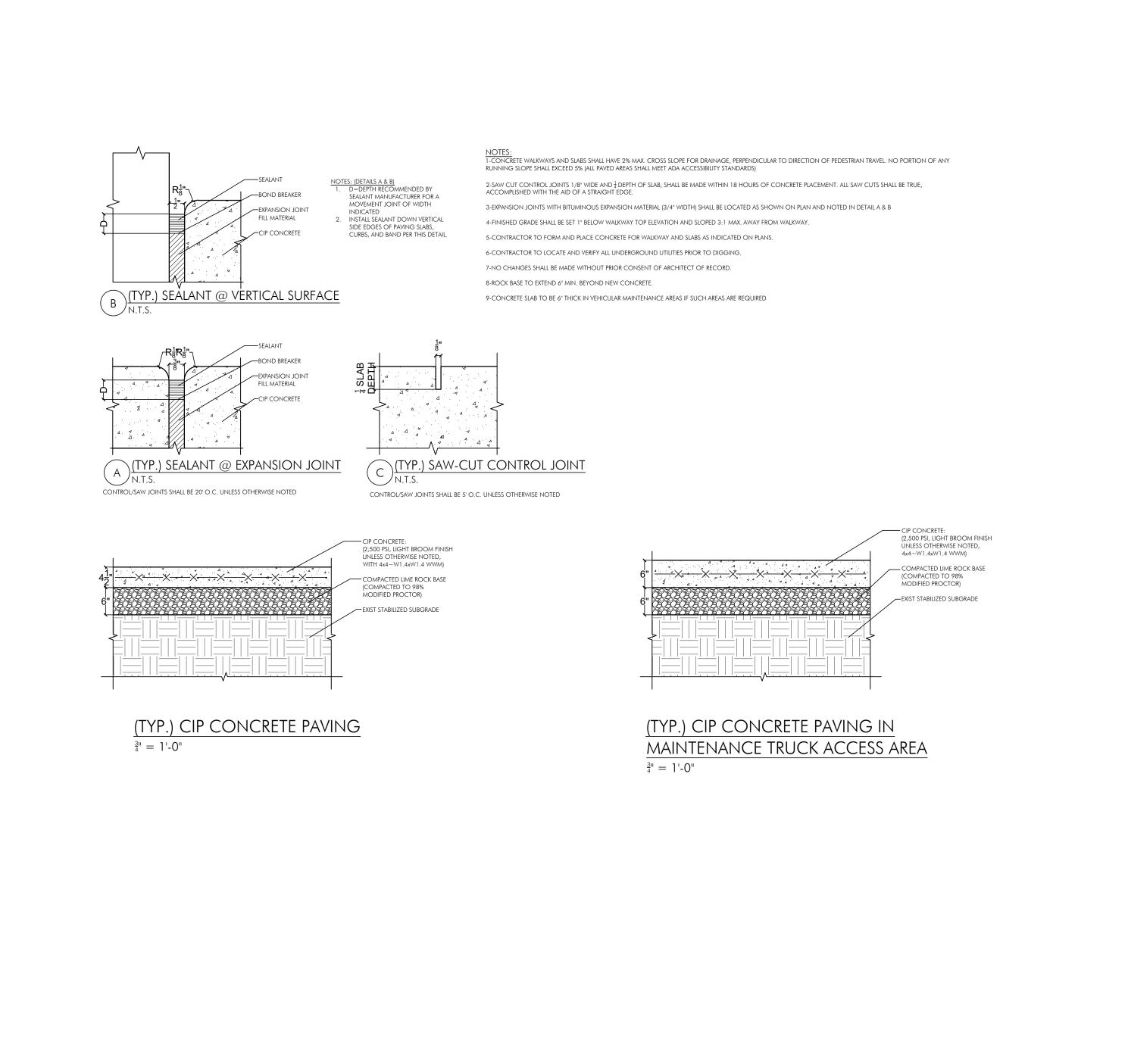


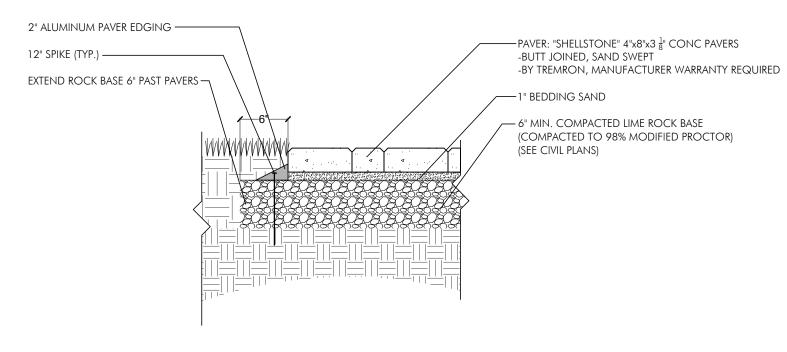
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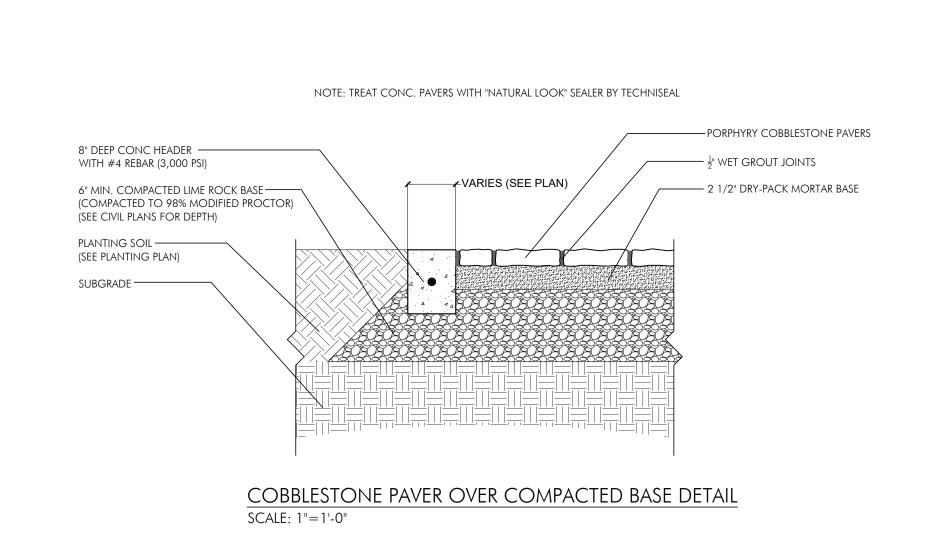
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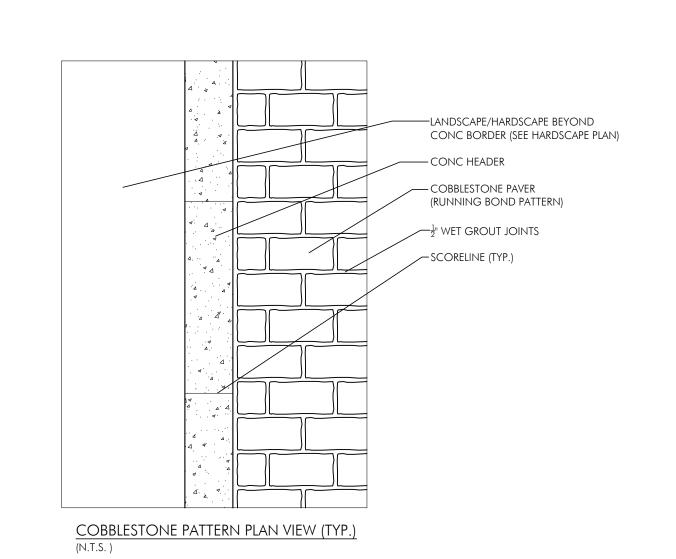
HARDSCAPE
MATERIAL PHOTOS
Sheet No.
LA-202





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





INSTALLATION GUIDE

PERMEABLE PAVER - FULL INFILTRATION TO SOIL SUBGRADE

JOINT MATERIAL ASTIM No. 8, 80, OR 9 (CSA 10.25 OR 52.8) AGGREGATE, OR BOUNALENT SUBFACE WATER FLOWS THROUGH IT BUSINESS OF SOURSE, 0' (100 mm) ASTIM No. 8 (CSA 10.25 OR 52.8) AGGREGATE, OR EQUIVALENT BEDDING COURSE. 2' (50 mm) ASTIM No. 8 (CSA 10.25 OR 52.8) AGGREGATE, OR EQUIVALENT AGGREGATE, OR EQUIVALENT PERMEABLE PAVER FROM TECHO-BLOC

COMPACTED SUBGRADE

SUBBASE COURSE, 0' (150 mm) MIN BEYOND CURB/EDGING

SUBBASE COURSE, 0' (150 mm) MIN BEYOND CURB/EDGING

ASTIM NO. 2 3 OR 4 (158.8 84 40.9 56.28 OR 40.20) AGGREGATE, OR EQUIVALENT GEOTEXTILE ON BOTTOM OF SUBBASE AND SIDES OF SUBBASE/BASE

PERMEABLE CONC PAVER INSTALLATION DETAIL

NOTE: TREAT ALL STONE WITH DRY-TREAT "PREMIUM IMPREGNATING SEALER" PER MANUFACTURER.

1" MIN. OVERHANG (NATURAL EDGE)

1" THICK CORALINA VENER

(EXTEND 4" BELOW FLAGSTONE PAVERS)

LANDSCAPE (SEE PLANING FLANS)

PLANTING SOIL

CLEAN, WELL-DRAINED SUBGRADE

CORAL STONE PAVERS OVER CONC SLAB DETAIL

SCALE: 1" = 1"-0"

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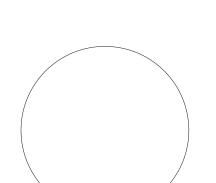
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Sheet Name

Sheet No.

LA-301

PLANT LIST ___ TRDA - 3 ERLI - 25 — ___ TRDA - 3 ___ SPBA - 4 ERLI - 26 SERES - 1 PROPERTY LINE 216.55' KEY PLANT NAME ___ TRDA - 3 14' tall x 5' spread, 3" DBH Bursera simaruba ___ HEDE - 9 CAWI Canella winterana . 12' tall x 5' spread, 2" DBH ...Wild Cinnamonbark CLRO Clusia rosea ea. 12' tall x 5' spread, 2" DBH RLI (ERLI (ERLI) ...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 17' 0" R SPBA - 5 SPBA - 5 O 50'-(AEBL - 5 DIBI - 1 — AEBL - 4 ea. 10' tall x 5' spread, 1 1/2"-2" COSE Cordia sebestena TRDA - 2 AEMA - 5 — SERES - 3 ..Orange Geiger SAPA - 2 GUSA Guaicum sanctum . 8' tall x 4' spread, 1 1/2"-2" ..Lignum Vitae — CAWI - 1 Gymnanthes lucida 10' tall x 5' spread, 1 1/2"-2" a. 12' tall x 5' spread, 2" DBH ILCA | Ilex cassine — GAPU - 9 ...Dahoon Holly international a. 12' tall x 5' spread, 2" DBH Pimenta dioica CHIC - 15 — ...Allspice ERLIZAPLO COUVE COER - 2 ea. 14' tall x 6' spread, 3" DBH Tabebuia bahamensis ..White Tabebuia — COUV - 7 PLANT NAME COAR Coccothrinax argentata ...Florida Silver Palm Santiago, Chile COCR Coccothrinax crinita ...Old Man Palm CACY - 3 — – BOAS -BOCG - 1 COMI Coccothrinax miraguama revuelta-architecture.com - PIMI - 7 ...Miraguama Palm MISC - 21 — CONU Cocos nucifera var. "Green Malayan" BOAS -...Coconut Palm — CONU - 3 CONU - 3 -DYDE Dypsis decaryi a. 6' CT min. CONU - 1 ----CAZU - 3 — ...Triangle Palm └─ PIMI - 6 PIMI - 7 — PTSC -PTSC Ptychosperma schefferi ea. 12' tall OA PIMI - 34 -...Scheffer's Palm — FOSE - 8 — NECR - 4 —— SAPA Sabal palmetto . (3) @ 26' tall; (2) @ 30' tall; SOD STRIP — - MISC - 30 ...Sabal Palm (3) @ 34' tall, curved/character trunks, smooth trunk, hurricane cut, lean as shown in plans, mix PIMI - 29 sizes in groups THRA Thrinax radiata a. 6' tall OA ...Florida Thatch Palm TABA - 1 — . 18' tall OA, 11' GW, triple /EMO(3) Veitchia montgomeriana (triple) ..Montgomery Palm trunk, heads M/L same height BAMBOO, VINES & OTHERS KEY PLANT NAME COER - 1 COMMON AREA A: 2,198.25 SF MODE - 8 STNI Strelitzia nicholai 7'-8' tall overall, multi ..White Bird of Paradise BERMUDA 'CELEBRATION' SOD PARKING A: 4,020 SF — PIMI - 29 A: 4,218.5 SF SHRUBS PLANT NAME Aechmea blanchetiana — RUBR - 35 ...Bromeliad AEMA Aechmea malva ...Bromeliad ALPU Alpinia purpurata ..Red Ginger Bougainvillea 'Alabama Sunset' 12" x 12", to be installed on RAKU - 3 ..Alabama Sunset Bougainvillea pool trellis system PIMI - 66 -12" x 12", to be installed on Bougainvillea 'Barbara Karst' TRASH ..Barbara Karst Bougainvillea pool trellis system MEER - 1 ___ A: 156.25 SF RAKU - 3 🛬 . 12" x 12", to be installed on BOCG Bougainvillea 'California Gold' ..California Gold Bougainvillea pool trellis system — NEKQ - 87 HEADER W/24" SCORING CAAM Callicarpa americana — BUSI - 1 ...American Beautyberry TRDA - 3 —— (SEE ARCH PLANS) CACY Capparis cynophallophora NEKQ - 23 — CONU - 1 ----...Jamaica Caper CAZU Calyptranthes zuzygium PIMI - 13 + ..Myrtle of the River VEMO(3) - 1 +cc SATR - 9 🖂 SATR - 9 — CHIC Chrysobalanus icaco ..Cocoplum HANO - 29 -Chrysobalanus icaco "Horizontalis" ..Horizontal Cocoplum POMA - 17 — COUV Coccoloba uvifera . 24" x 24", full to ground ...Seagrape COSE - 3 EXISTING PALMS Dietes bicolor BUSI - 1 ---to remain POMA - 17 ..African Iris PHBM - 20 DYDE - 1 RAKU - ? Dioon mejiae ___ COES - 1 ..Cycad TRDA - 10 ----SERES ea. 3 gal cans, full, install 24" o.c. Ernodea Littoralis 25'-0" F THRA - 1 BACK LINE ABOVE 50 FEET ...Golden Creeper /--- PIMI - 137 HEDE - 9 EUFO Eugenia foetida a. 24" x 24", full to ground SOD STRIP -— EUFO - 8 ..Spanish Stopper EMEWEMENDEMENDEMENDEMEDINGMEDI 📕 FOSE - 14 ea. 24" x 18", full FOSE Forestiera segregata ..Florida Privet COMI - 1 ea. 18" x 18", install 18" o.c. HANO Hamelia nodosa TRDA - 5 — ...Dwarf Firebush . 4' x 3', multi-trunk, full to Megaskapasma erythroclamys ZAPU - 9 ...Brazilian Red Cloak COCR -. 30" x 30", mature leaves, install MODE Monstera deliciosa SEREG -TABA - 1 ----— SERES - 3 ..Monstera . 5' x 5', full to ground MYFR Myrcianthes fragrans to remain Simpson's Stopper NECR Neomarica caerulea 'Regina' — CHIH - 36 ..Blue Walking Iris BUSI - 1 PHBM Philodendron var. "Burle marx" ..Burle Marx Philodendron Philodendron 'Weeks Red' a. 36" x 24", Install against trunk ...Climbing Philodendron where shown POJU Portea "Jungles" CITY OF MIAMI BEACH . Bromeliad Limits of 30"— └─ TRDA - 6 Limits of 30" H AEBL - 3 depth CU soil depth CU soil POMA Podocarpus macrophyllus . 48" x 24", full to ground depth CU soil LANDSCAPE LEGEND ..Maki Yew └─ VAAN - 3 └─ PIMI - 134 PSBA Psychotria bahamensis INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS — COES - 1 ..Bahamas Wild Coffee Zoning District_____RM-1____ Lot Area ____35,406_ Acres___.81____ #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. 3364 10,801 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 10,801 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 BE PROVIDED ON THE PERMIT SET OF PLANS. a. 3 gal cans, full 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 123 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 584 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= 396 813 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 479 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) 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%= 20

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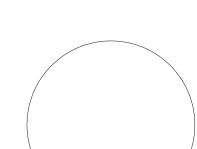
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08/04/2023 **AS SHOWN** Project No.

Sheet Name PLANTING PLAN **GROUND LEVEL** LA-401

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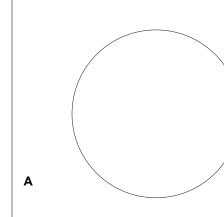
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08/04/2023 **AS SHOWN** Project No.

Sheet Name NORTH PLANTING ELEVATION LA-402

NORTH PLANTING ELEVATION

32'
16'
8'
SCALE: 1/8" = 1'-0"

A. The Contractor is responsible to maintain the plantings until they are accepted under the spreading. 1. Plants: Begin maintenance immediately following the final plant installation operation for A. Spread mulch two (2) inches thick uniformly over the entire surface of shrubs and each plant and continue until all plant installation is complete and accepted. Maintenance shall include watering all plants, weeding, mulching, pest and disease control, tightening and Provide 36" diameter bed of mulch, measured from outer edge of the trunk, for all trees and 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 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

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 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

1. Plants shall be planted sufficiently away from edges of pavements or curbs, to 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.

1. The Contractor shall be responsible to protect existing trees and shrubs in and 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. A. The successful bidder shall furnish to the Owner and the Landscape Architect, a unit price For large trees and shrubs, add water while backfilling hole to eliminate any air pockets in the 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 plans. palms planted in sod areas. Keep mulch away from contact with the trunk. Create a 6" high

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

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, 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 planting.

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

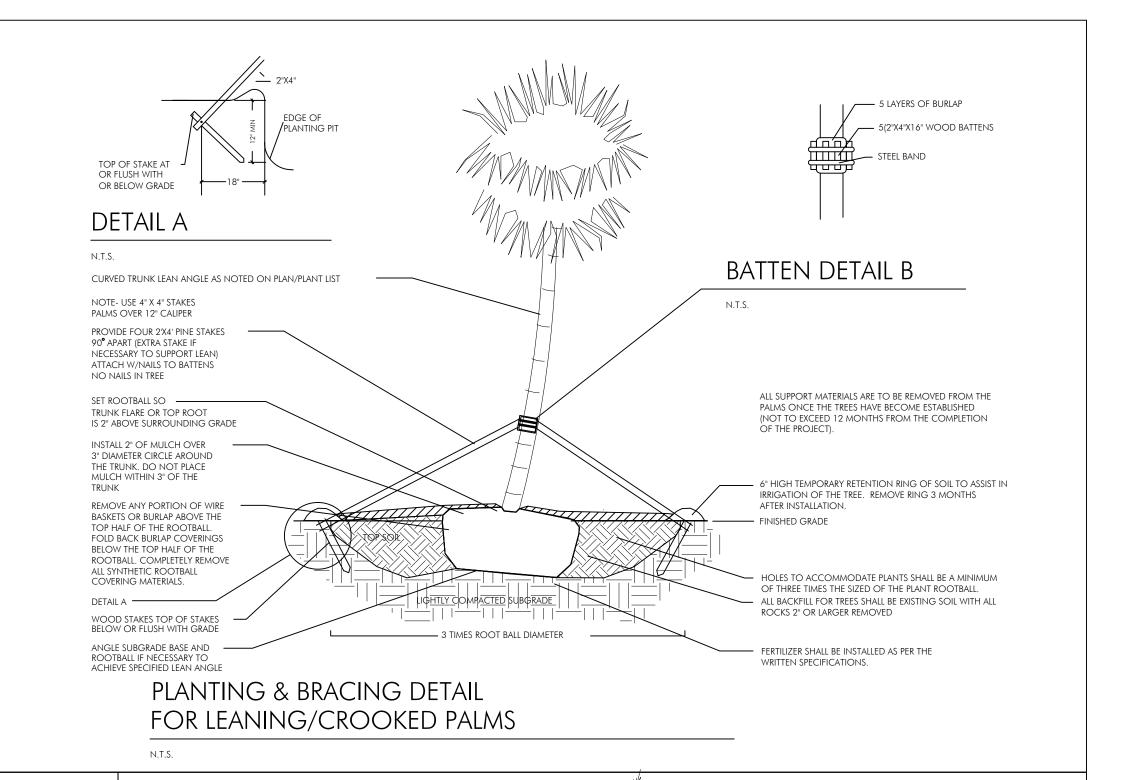
SPACING OF PLANTS (SEE PLANT SPACING DETAIL)

allow for growth toward the edges of the bed. PROTECTION OF PLANTS

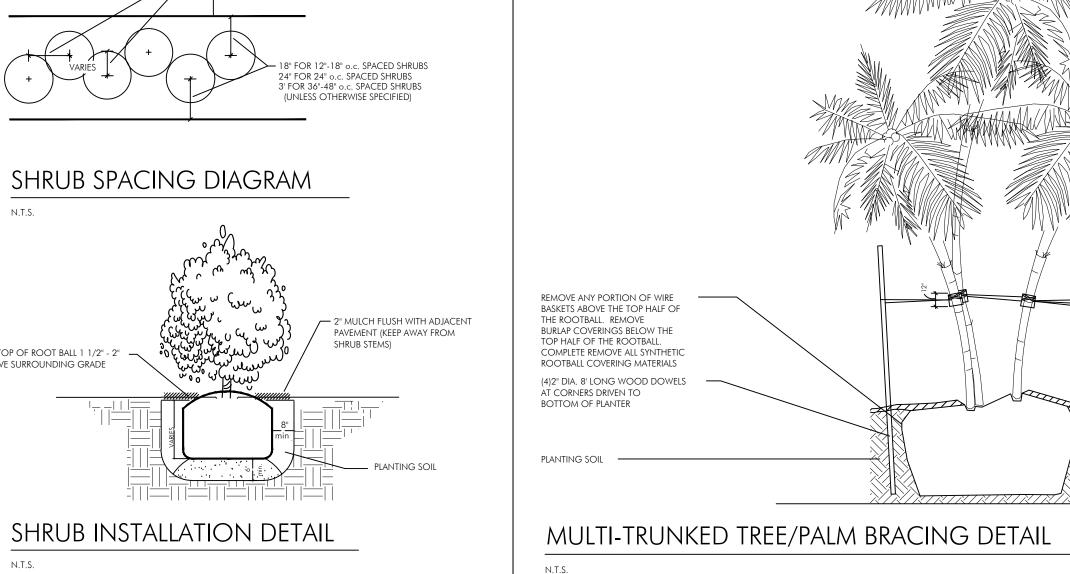
adjacent to the area of work. Erect barriers as necessary to keep equipment and materials, any toxic material, away from the canopy drip line of trees and shrubs. DO NOT PILE SOIL OR DEBRIS AGAINST TREE TRUNKS OR DEPOSIT NOXIOUS BUILDING SUPPLIES OR CHEMICALS WITHIN THE DRIP LINE.

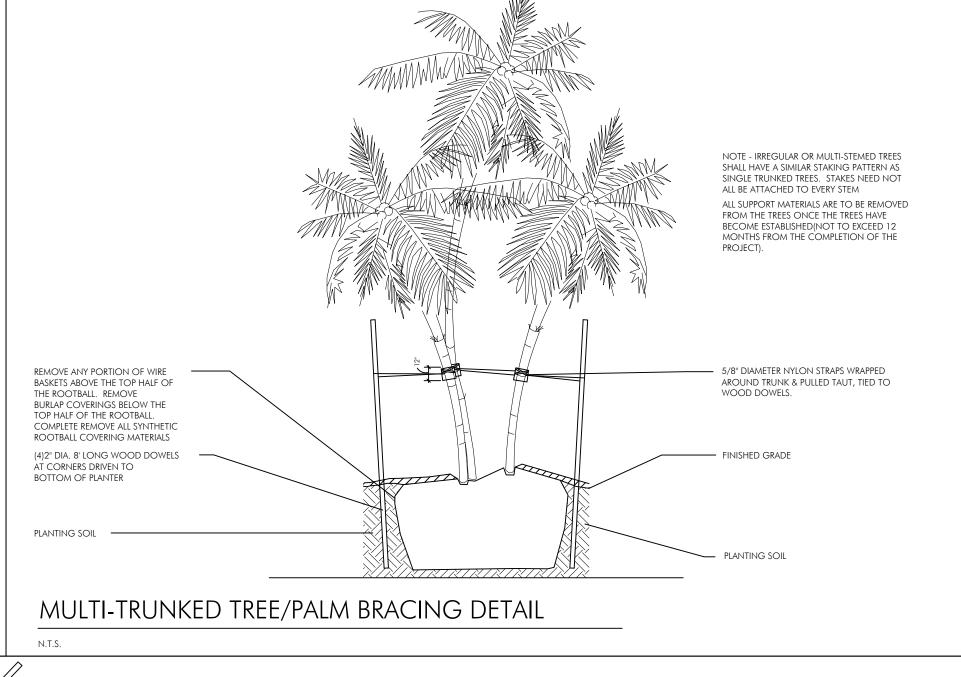
☐ ½" X 5½" (3.2MM X 140MM), 0.072" (1.82MM) THICK w/ 0.135" (3.43MM) EXPOSED TOP LIP (MF) MILL FINISH-NATURAL ALUMINUM PERMALOC 1. INSTALL PER MANUFACTURER'S CLEANLINE "INSTALLATION GUIDELINES" ALUMINUM EDGING 8'-0" (2.44 M) SECTIONS TO INCLUDE (3) 12" (305 MM) ALUMINUM STAKES. TOP OF EDGING TO 16'-0" (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

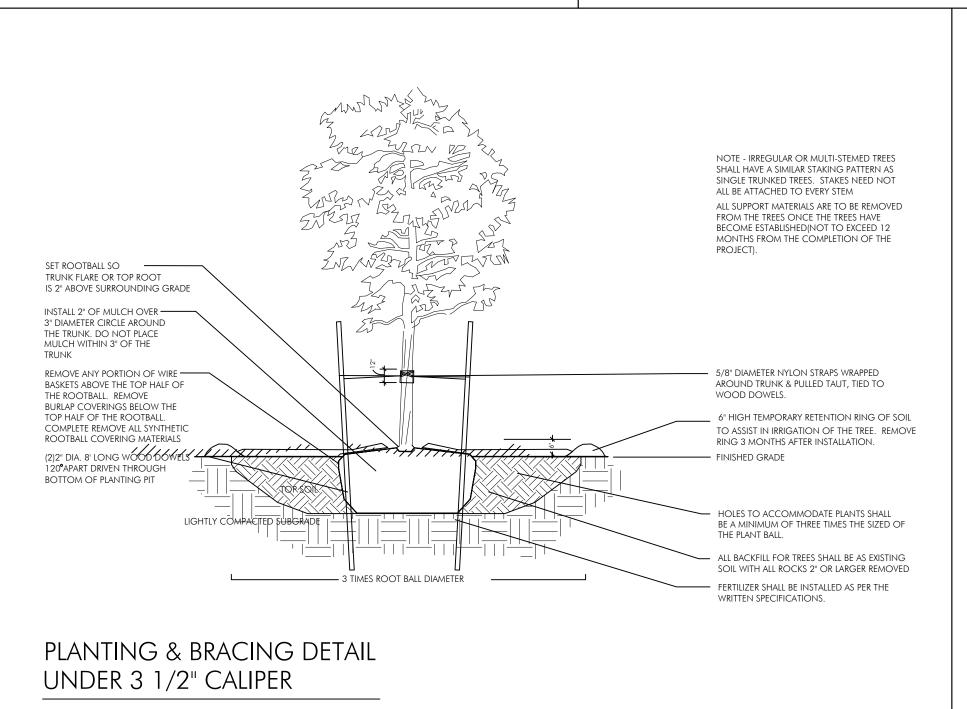
ALUMINUM EDGING DETAIL

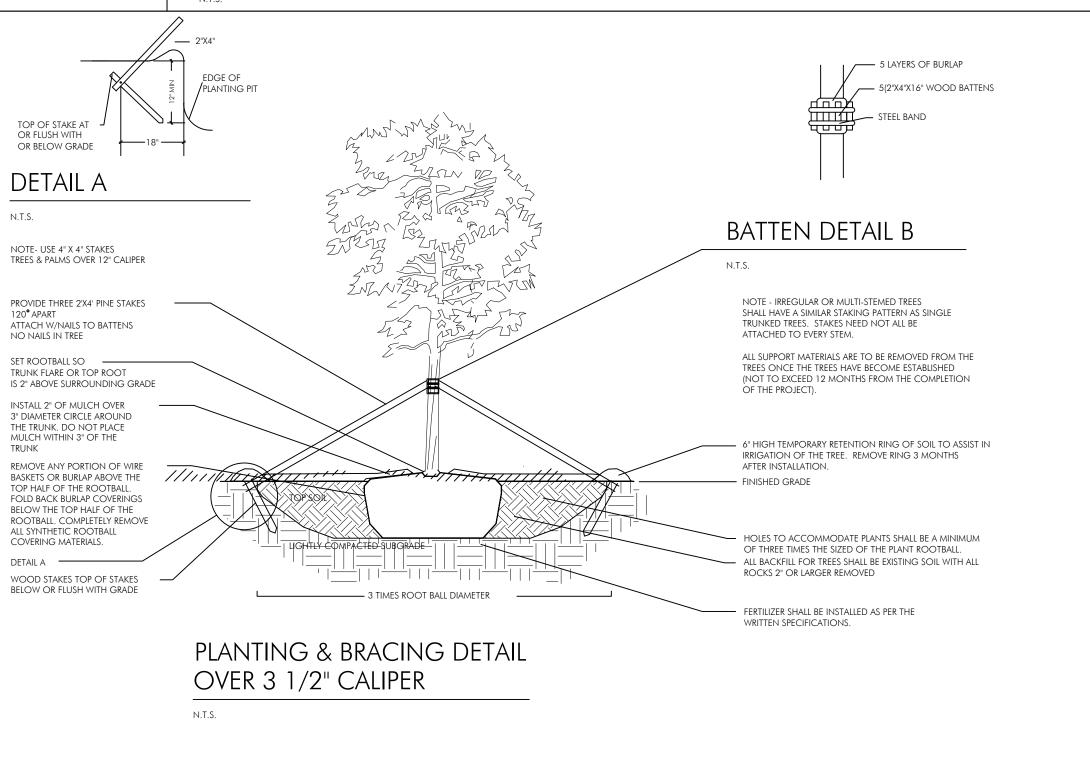


DISTANCE VARIES FOR EACH SPECIES SPACING WALL, CURB, EDGE OF PAVEMENT, OR EDGE OF BED TREE TRUNK EDGE OF PAVEMENT SHRUB SPACING DIAGRAM PLAN VIEW ROOT BARRIER (24" DEEP) SET TOP OF ROOT BALL 1 1/2" - 2" → FDGE OF PAVEMENT ABOVE SURROUNDING GRADE Install root barrier so top of barrier is flush with top 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









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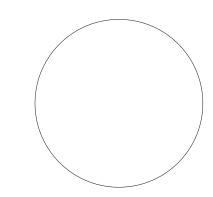
ALVARIÑAS | BÓSCOLO | RODRÍGUEZ

#Client Company #Client Address1 #Client Address2 #Client City, #Client State

#Client Postcode

#Client Phone Number





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08/04/2023 **AS SHOWN** Project No. Sheet Name PLANTING NOTES, SPECS, AND DETAILS

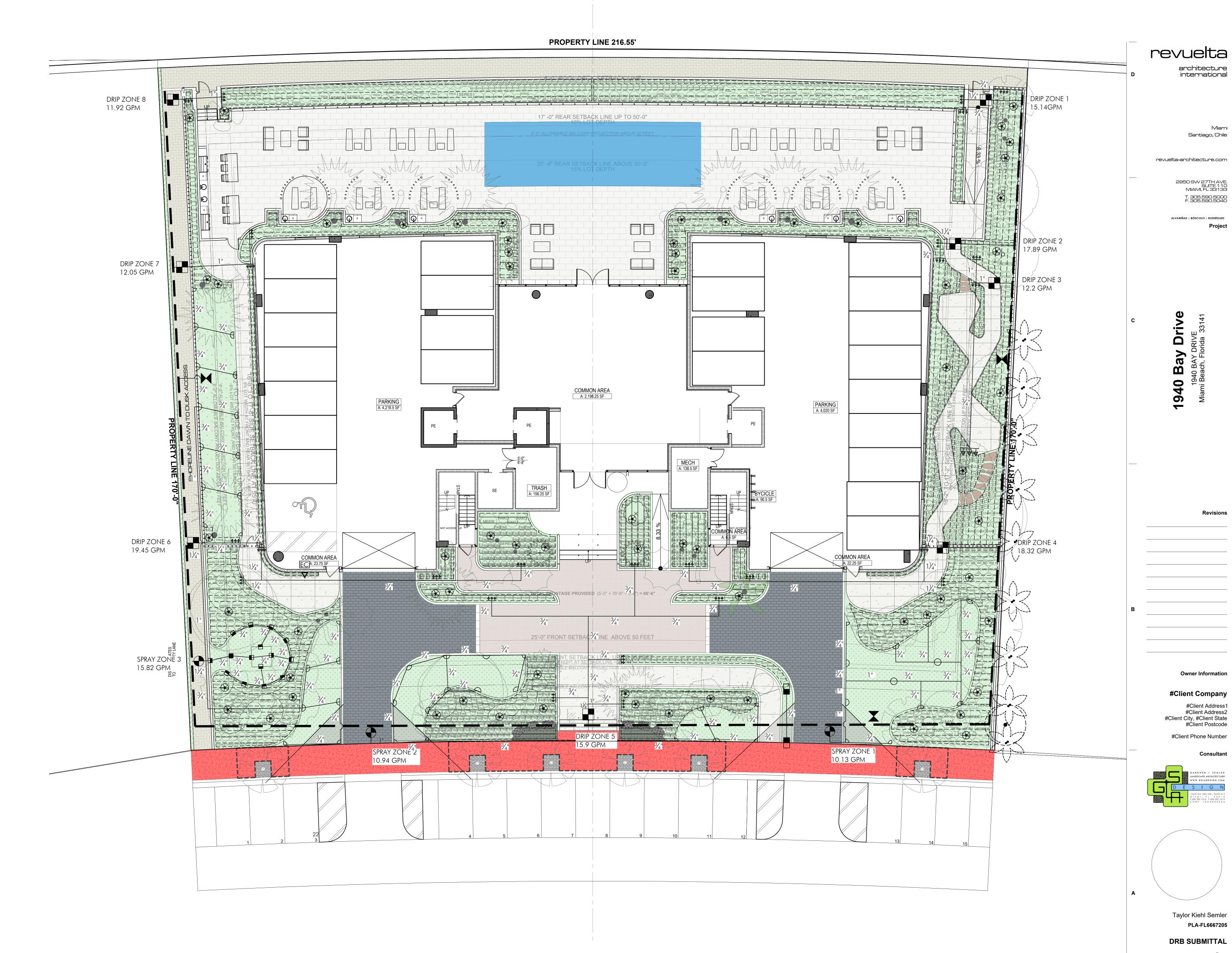
OT FOR CONSTRICTION

*NOTES

-All main, lateral, and valve locations are shown schematically and shall be adjusted in the field. Locate mains and laterals in landscape areas (preferably at edges of curbs or walks.) -Coordinate pipe locations with existing and proposed rootball locations. -Group and locate valve at edges of shrub beds where feasable.

-Install pipe sleeves in all areas where pipe runs under hardscape and between planters.

KEY	ION MATERIALS LIST ITEM PVC laterals shall be Class 200 PVC	QTY. as required
	(sized as shown on plans)	'
	MAIN shall be Class 200 PVC	as required
	PVC sleeves shall be Class 200 PVC (sized double the width of the pipe running through it)	as required
	Flexible PVC or Polypipe (for swing joints)	as required
WM	Water Meter and Backflow Prevention Assembly (See Civil Plans)	1
EC	Electric Controller RAINBIRD ESPME3 Series Controller	1
Δ	Rainbird RSD Series Rain Sensor (locate in area of free rainfall)	1
•	RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve	2
	Irrigation Control Wire	as required
	RAINBIRD Spray Heads 1800 @ 30 PSI Series w/MPR nozzles 6" pop-up in grass areas 12" pop-up on risers in shrub beds	as required
	10-F (1.58 gpm) 10-TQ (1.18 gpm) 10-H (.79 gpm) 10-T (.53 gpm) 10-Q (.39 gpm) 5-F (.41 gpm) 5-TQ (.33 gpm) 5-H (.20 gpm) 5-T (.13 gpm) 5-Q (.10 gpm) 15-est (.61 gpm)	
*	RAINBIRD 1300A-F Adjustable Flood Bubbler 1300A-F (1.5 gpm)	as required
•	Rainbird 1" Inline Pressure Regulator (PSI-M40X-100)(drip zones not to exceed 40psi max)	as required
	RAINBIRD XFS Subsurface Dripperline XFS-09-12-500/250/100 Air/Vaccum Relief Valves Kit (3/4" Air relief valve/ Easy Fit Compression Tee/ and Flush Cap)	as required
	Residential Wide Flow Control Zone Kit (XCZ100PRBCOM) (0.3-20 gpm)	8
н	RAINBIRD 3-RC Quick Coupler Valve	3
V V	PVC Supply Header for dripplerline Class 200 PVC	as required
⊗	RAINBIRD Xeri-Bubbler UXB-360-1032 (.6 gpm)	62
The Contractor laterals shall lateral		

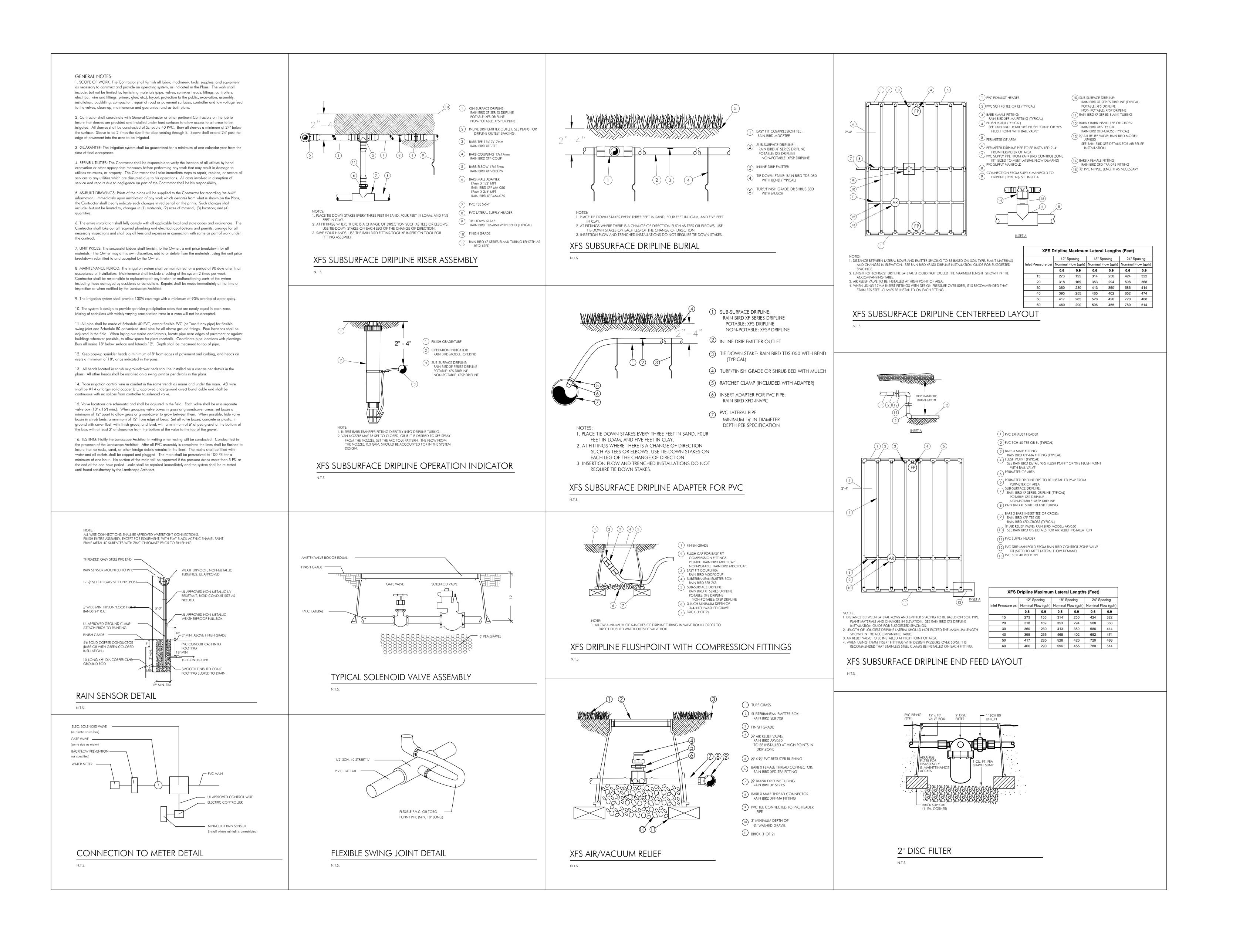


IRRIGATION HEAD LAYOUT PLAN
GROUND LEVEL

08/04/2023
Scale
AS SHOWN
Project No.
2133
Sheet Name
IRRIGATION PLAN

Sheet No.

LA-601



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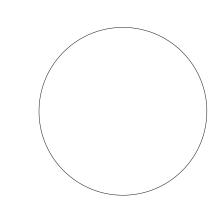
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Owner Information

#Client Company #Client Address1 #Client Address2

#Client City, #Client State #Client Postcode #Client Phone Number





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08/04/2023 **AS SHOWN** Project No. 2133 Sheet Name PLANTING NOTES, SPECS, AND DETAILS

LA-501