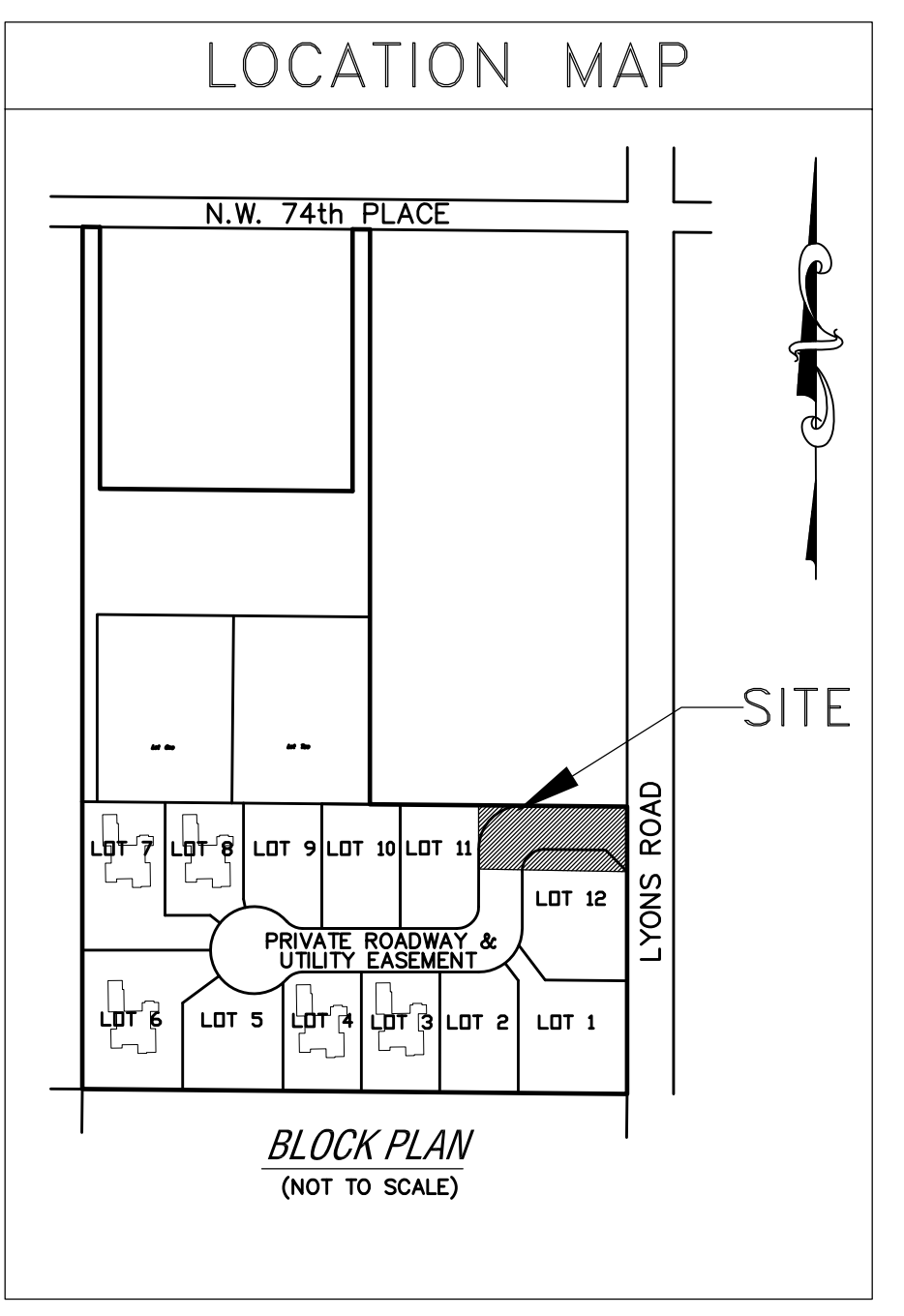
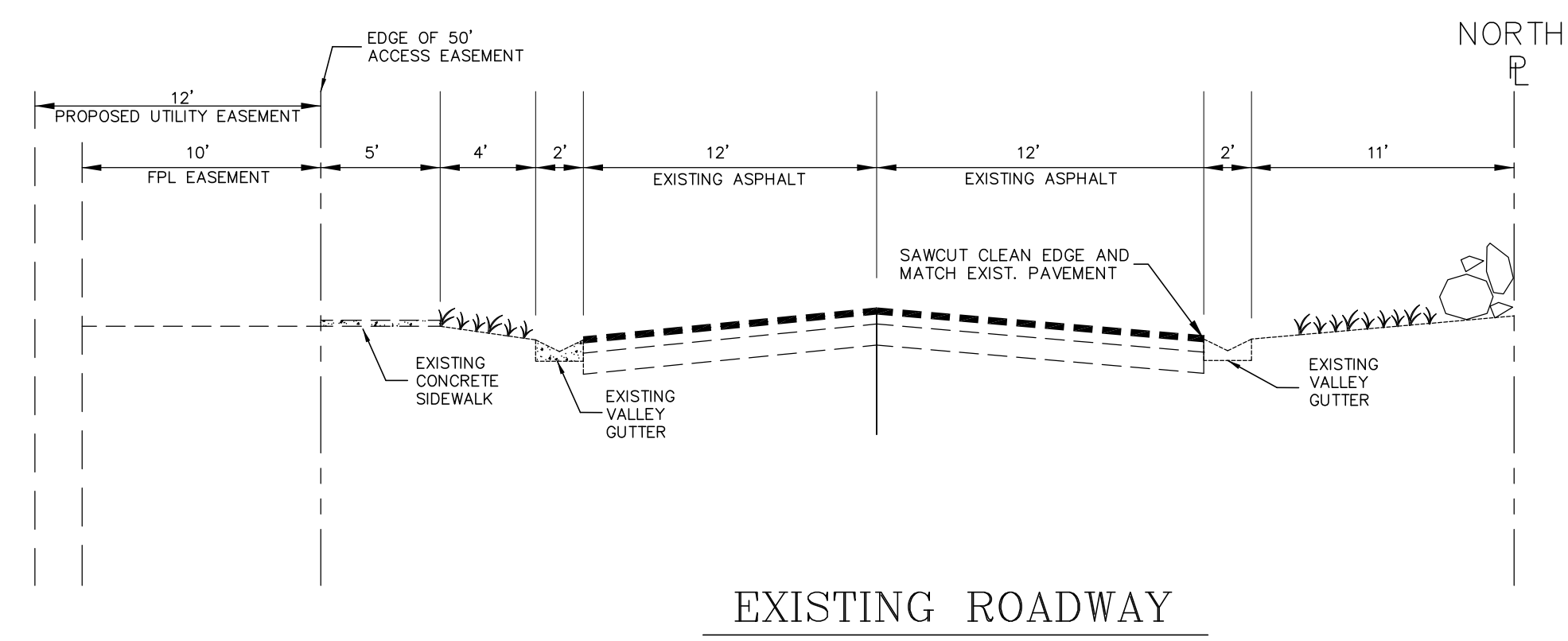
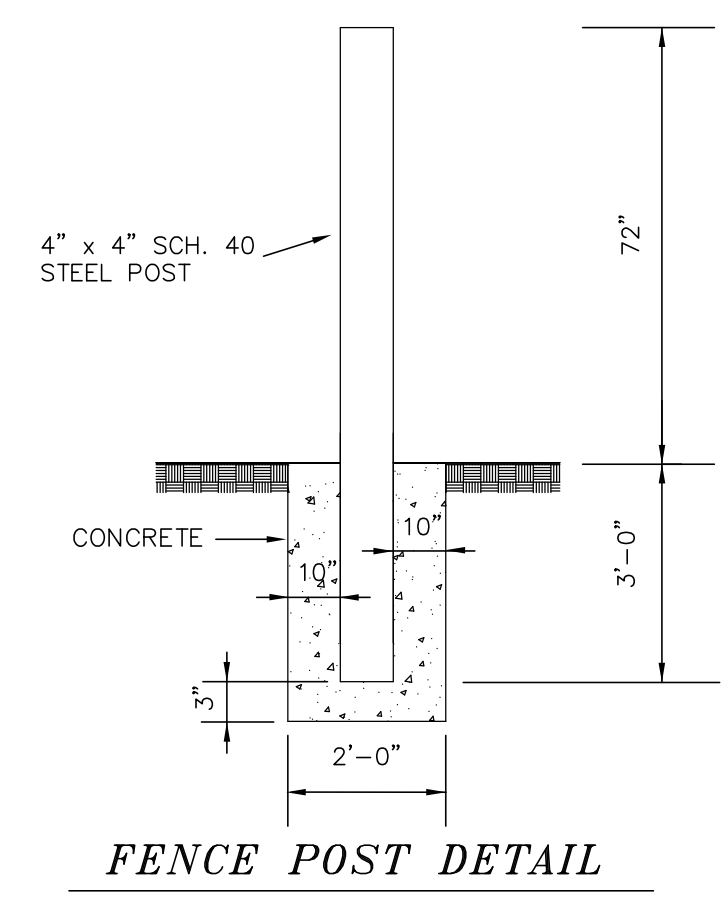
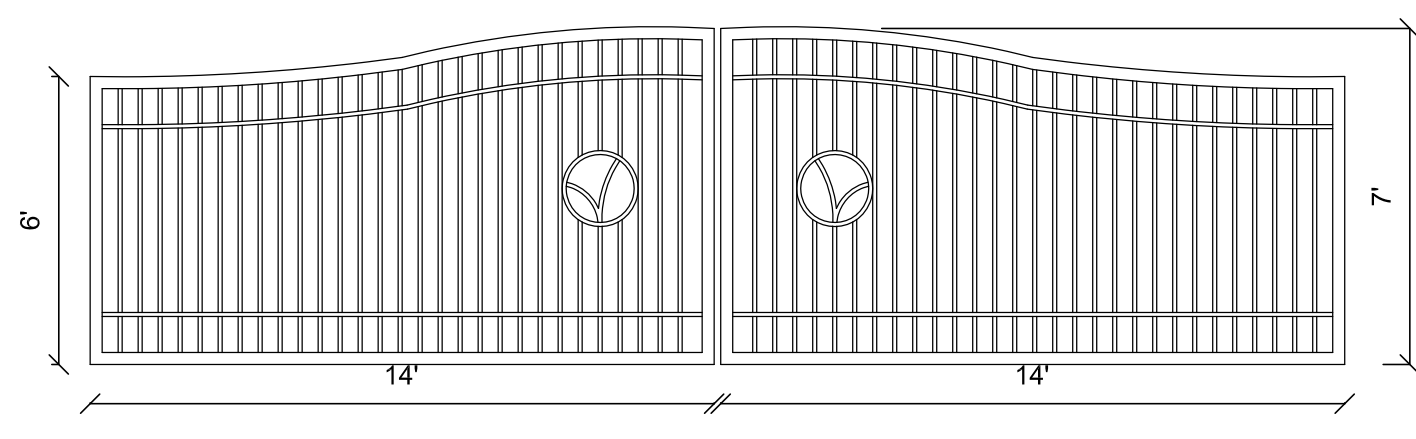


LEGEND

- OAK TREE
- ROYAL PALM
- ROYAL POINCIANA



Lot 11

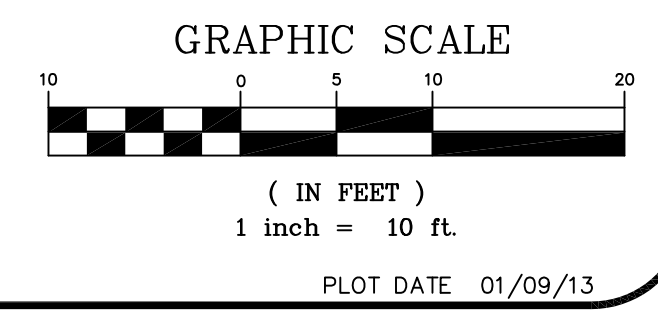


NOTE: SURVEY

THIS DRAINAGE PLAN HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY MCLAUGHLIN ENGINEERING COMPANY. PLEASE NOTE THAT NEITHER LANDSCAPE AS-BUILTS NOR UTILITY AS-BUILTS WERE PROVIDED FOR THE DESIGN OF THIS PLAN. THE CONSULTANT UTILIZED THE BEST INFORMATION AVAILABLE. THIS ENGINEERING PLAN IS SUBJECT TO THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS FROM THE ORIGINAL PROPOSED DRAWINGS FOR THIS SUBDIVISIONS. DEVIATIONS FROM THE PROPOSED CONSTRUCTION DRAWINGS ARE NOT REFLECTED WITHIN THIS PLAN. ALL GRADES USE N.G.V.D.

ADMINISTRATIVE APPROVAL 01-23-13

APPROVED



HARRIS ENGINEERING, INC.
CONSULTING ENGINEERS
2743 N.W. 19TH STREET
POMPANO BEACH, FL 33069
Phone 954-971-7200
Certificate of Authorization No. 9912

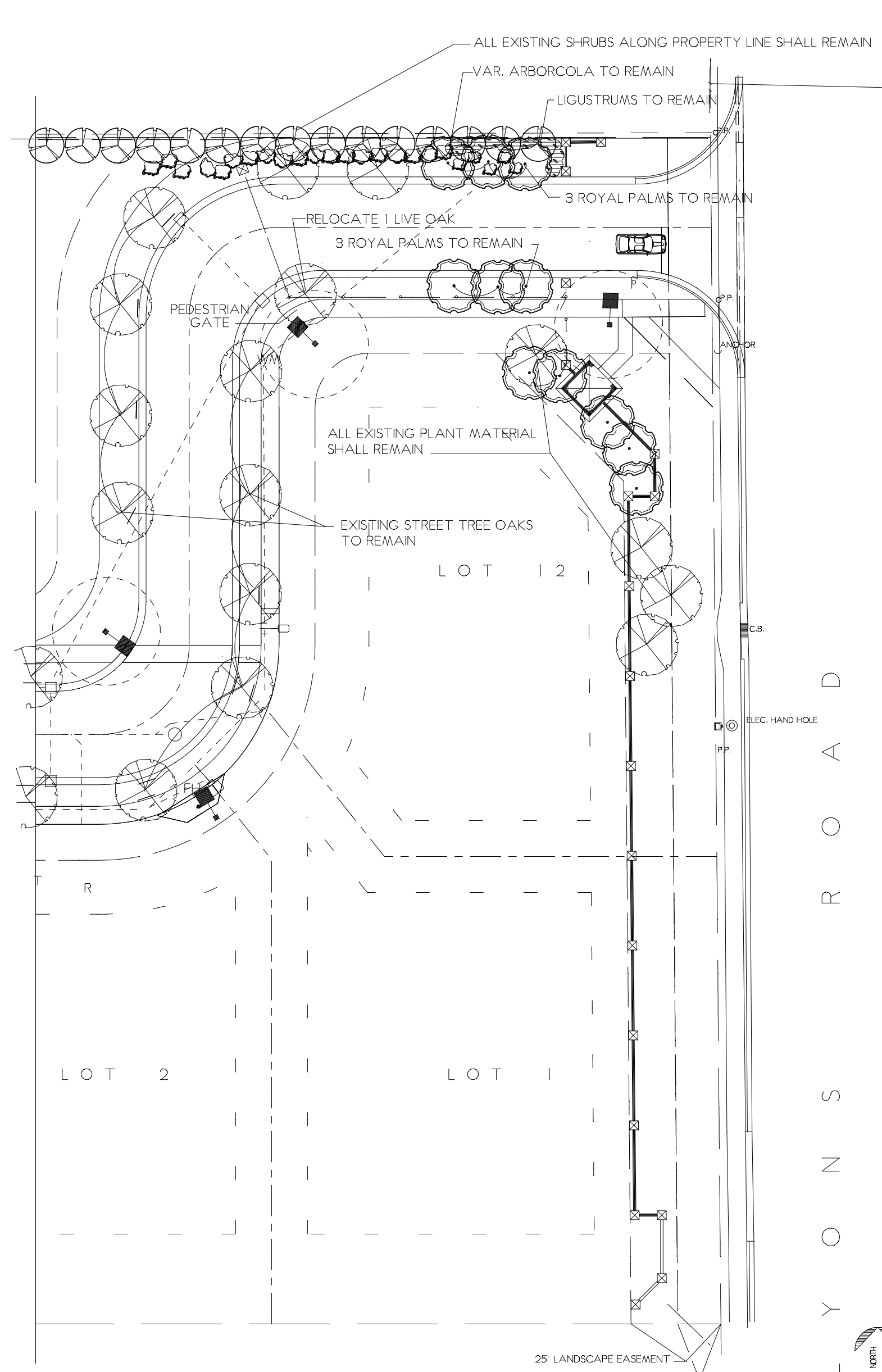
REVISIONS

NO.	DATE	DESCRIPTION
1		

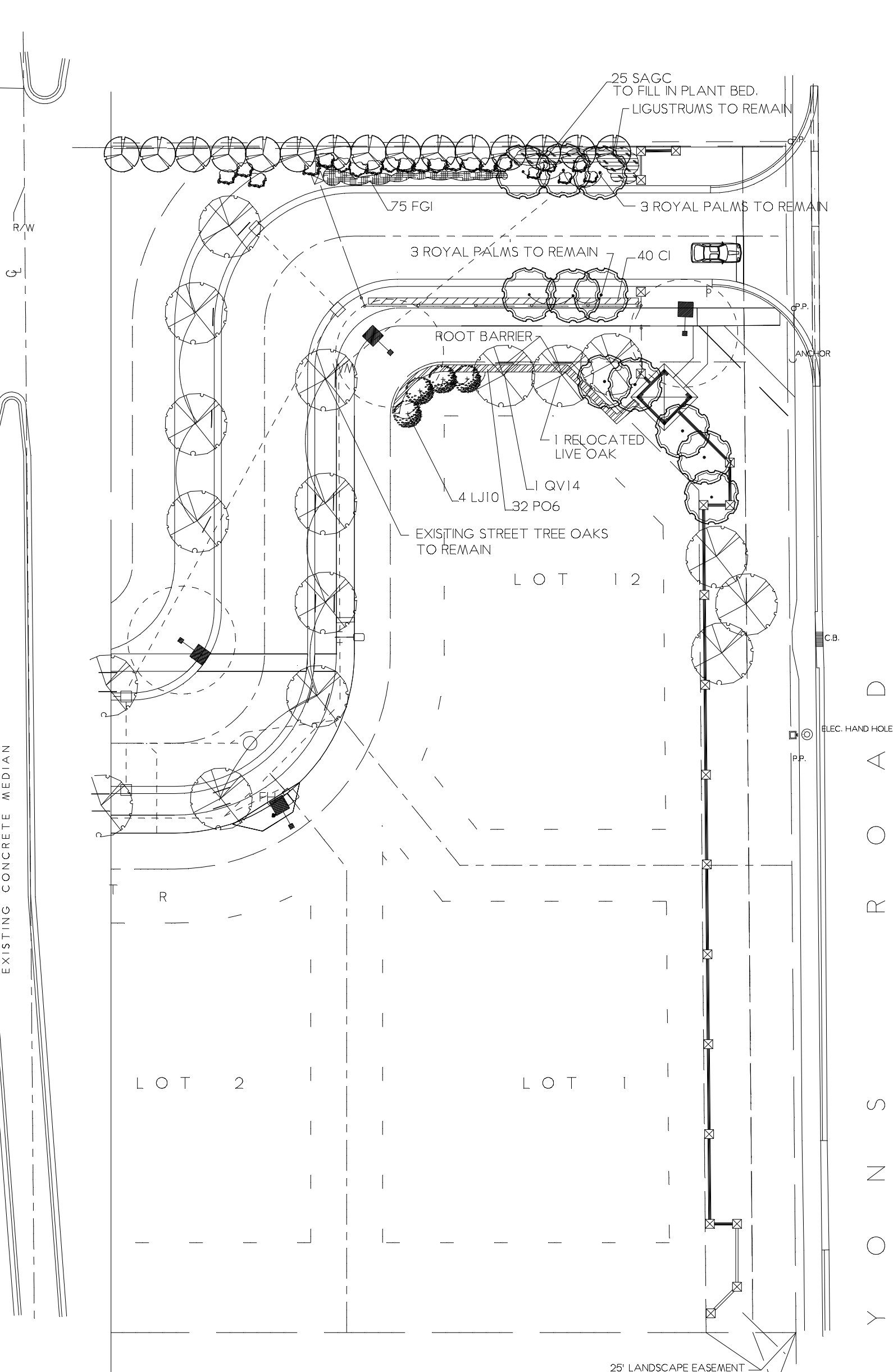
RAINFORREST ESTATES
COCONUT CREEK
FLORIDA
GATE MODIFICATION & SITE PLAN

DATE:	12/12
SCALE:	1 : 10
DESIGNED BY:	D.W.H.
DRAWN BY:	D.C.T.
JOB NUMBER	6266
SHEET	C-1
DAVID W. HARRIS, P.E. FL ENGINEER NO. 37942	SEAL

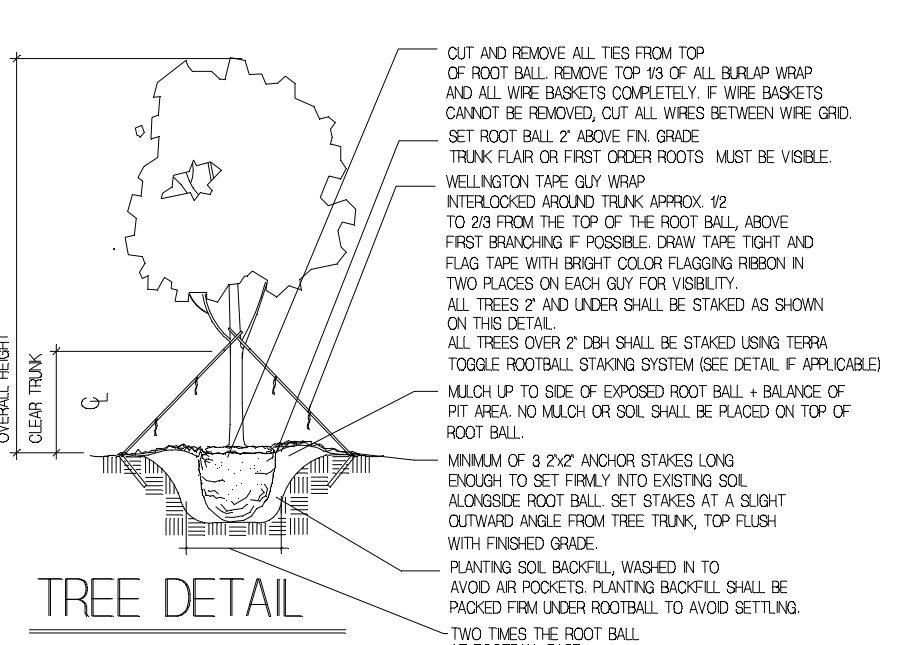
PLOT DATE 01/09/13



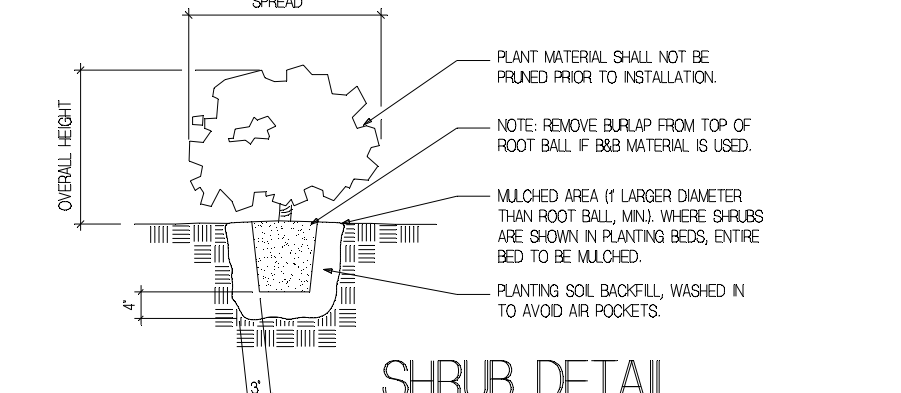
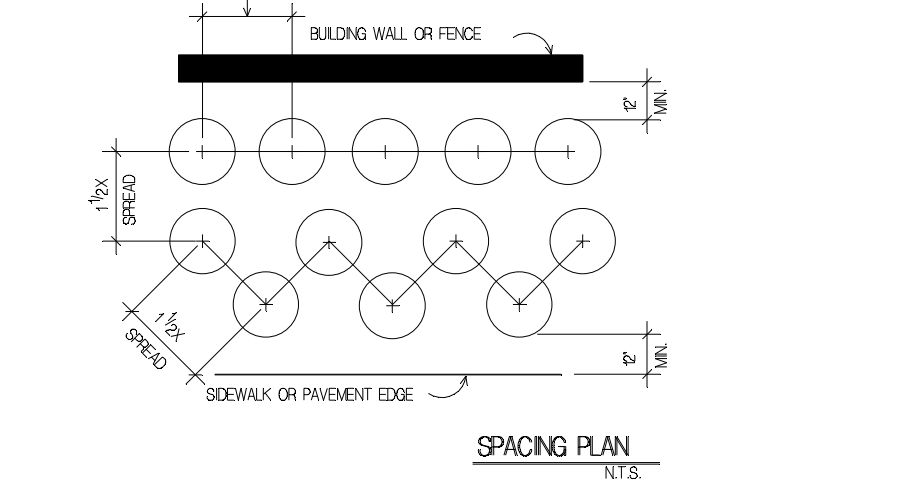
TREE DISPOSITION PLAN



LANDSCAPE RENOVATION PLAN

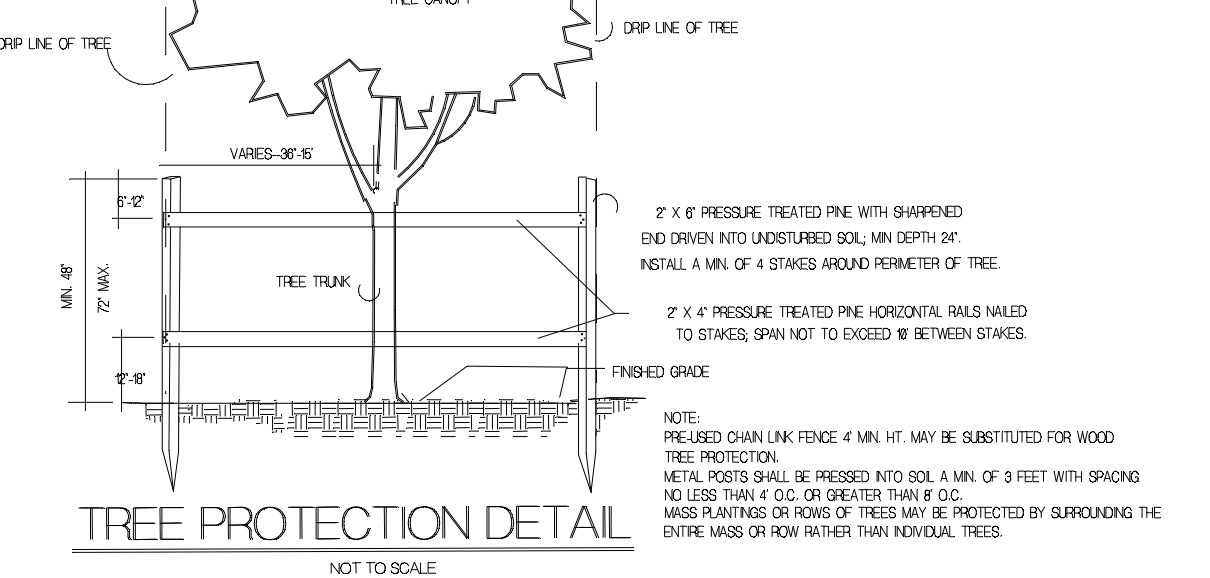


TREES SHALL BE PLANTED NO CLOSER THAN 6' TO ANY UNDERGROUND UTILITY.

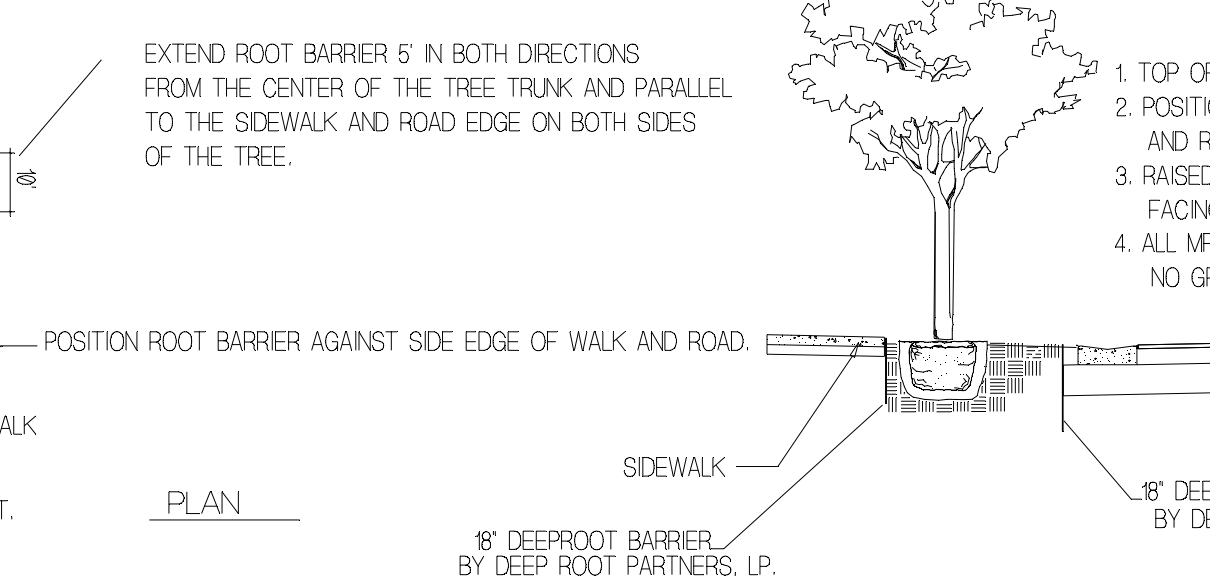


TRANSPLANTING NOTES:
 TRANSPLANTING OF ALL TREES AND PALMS WILL FOLLOW GOOD HORTICULTURAL PROCEDURES. ALL TREES WILL BE MOVED BY EQUIPMENT OF SUFFICIENT SIZE TO CARRY AND LIFT THE PLANTS AND ROOT BALLS WITHOUT DAMAGE. BACKHOES, LOADERS, CRANES AND TREE SPREADS ARE APPROPRIATE.
 TREES ARE TO BE ROOT PRUNED A MINIMUM OF EIGHT (8) WEEKS BEFORE MOVING. NEW ROOT PRODUCTION MUST BE EVIDENT BEFORE TREES CAN BE MOVED. TRENCHES FOR ROOT PRUNING SHALL BE CUT VERTICALLY TO A DEPTH 6\"/>

THESE DRAWINGS ARE NOT VALID FOR SUBMITTAL OR CONTRACT CONSTRUCTION UNLESS SIGNED, SEALED AND DATED WITH AN ORIGINAL SIGNATURE & EXERCISED SEAL BY A LICENSED PROFESSIONAL LANDSCAPE ARCHITECT. THESE DRAWINGS MAY BE USED FOR CLIENT IN-HOUSE PURPOSES & BIDDING ONLY.
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NOTES:
 1. BRIDGES AS SHOWN ON THIS DETAIL FOR EXISTING TREES WITH OVER 4\"/>



ROOT CONTROL BARRIER INSTALLATION DETAIL & SPECIFICATIONS

PLANT LIST - RAIN FOREST ENTRY MODIFICATION

NOTE: The quantities on this plant list are to be used as a guide only. Bidder shall do independent takeoff for bidding purposes.
 * Denotes native plants.
 CT= CLEAR TRUNK GW= GREY WOOD DBH= DIAMETER BREAST HEIGHT (4 1/2) OA= OVERALL HEIGHT
 FTB= FULL TO BASE HVY= HEAVY TRUNK CAL= CALIPER @ 6\"/>

SYM	QNT	BOTANICAL NAME	COMMON NAME	OA HEIGHT	SPREAD	TRUNK SPECS	TRUNK DIA.	COMMENTS
CI	40	Chrysobalanus icaco	*Cocoplum	24'	18'			Full
FGI	25	Ficus microcarpa	Green Island Ficus	18'	18'			
LJ10	4	Ligustrum japonicum	Wax Privet	10'	6'	4CT		MULT
PO6	32	Podocarpus makii	Yew Podocarpus	6'	3'			Full
SAGC	25	Scheffera arboricola "Gold Capella"	Var. Schefflera	24'	18'			
QV14	1	Quercus virginiana	*Live Oak	14'	7'	4.5CT	3'dbh	

OTHER LANDSCAPE MATERIALS:
 MUL Mulch (in Bags) As needed
 SOIL Planting Soil (Cubic Yards) As needed
 SOD TO BE MEASURED IN FIELD LOCATION AS SHOWN ON PLAN & GENERAL SPECIFICATIONS

- GENERAL SPECIFICATIONS
- All plant materials shall be Florida No. 1 or better as set forth by the Florida Department of Agriculture, Grades and Standards for Nursery Plants, part 1 (current edition) and part 2 (current edition). All tree trunk calipers shall be measured at 4 1/2\"/>

- Irrigation source shall be from well by underground, automatic, rust free system with 100% coverage and a minimum of 50% overlap of spray. Irrigation rain sensor shall be installed. Irrigation water shall not be directed onto or over impervious surfaces. Irrigation systems shall operate and be designated to operate between the hours of 5:00 AM and 8:00 PM. Irrigation systems other than City water shall require a South Florida Water Management District water use permit prior to the issuance of the required irrigation permit from the City and/or the operation of the irrigation system. Approved irrigation permits shall be required from the City prior to installation.
- Planting soil shall be at least 50% muck and 50% sand pulverized and weed free, to be mixed with existing soil free from rocks and debris and bedded into plant pits by washing in. Planting soil for Sabal Palms shall be clean sand. Existing soil may be used for planting soil if approved by the Landscape Architect.
- Fertilizer for trees and shrubs shall be a general purpose 50% organic fertilizer (9-9-9) with minor elements, iron and manganese and shall be mixed with the planting soil at the time of backfilling. Fertilizer for palms shall be a palm special type to include manganese and magnesium sulfate. Application rates for all fertilizers at the time of planting shall be 92% the manufacturers recommendations for established plants.
- Mulch shall be shredded cypress, eucalyptus or formluch grade 13 or better size at a 2\"/>

- Planting plans take precedence over plant lists. The Landscape Contractor shall be responsible for doing his own takeoff. The Landscape Contractor shall familiarize himself with the municipal codes and deed restrictions of the City of Coconut Creek. All existing codes, specifications, and deed restrictions shall apply. All landscaping shall meet or exceed these minimum requirements as stated in the City of Coconut Creek Land Development Code. The more stringent requirements shall apply.
- The Landscape Contractor shall be aware of the locations of all easements and utilities above and below ground and coordinate plant locations before starting operations. All plant pits located in easements shall be hand dug.
- The Landscape Contractor shall provide a written guarantee to the Owner for all plant materials and workmanship for a period no less than ONE YEAR from the time of final inspection and acceptance by the Owner. At the end of the guarantee period, all plant materials shall be inspected by the Landscape Contractor and the Owner. All plants that are in a healthy, growing condition at the time of the inspection shall be free from further guarantee and shall be the Owners responsibility. All plants that are in questionable condition due to transplant shock shall continue under the guarantee until recovery or, if deemed severely retarded in growth or dead, shall be replaced. Replaced or relocated plant material shall be guaranteed for the same one year time period and under the same conditions as the original plant material. All plants shall be free from harmful plant pests at the time of planting.
- Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches, tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.
- Guying/rigging practices shall not permit nails, screws, wires, etc. to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice shall be replaced with the inspector's site. Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting the tree or shrub.
- All plant material shall be free of pests, insects, diseases, weeds, etc.
- All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the individual proposed plant material and the native soil found on the site.
- All plant material shall be planted at the proper depth, as originally grown and/or to the top of the root ball in flush or slightly above finished grade immediately after planting. All trees should provide trunk wrap when properly placed at the correct planting depth.
- All plant material shall be watered in the time of planting to eliminate air pockets in the root zone area.
- Color-treated or dyed mulch will not be accepted.
- Upon completion of work, the site shall be cleaned of all debris, superfluous materials, and equipment caused by this permit to the satisfaction of the inspector.
- Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants.
- No plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical Inspector.
- All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with a 50% overlap (minimum) using mist free water, except protected areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed and/or provided onto impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 pm to 8:00 am, only as may be further restricted by South Florida Water Management District or other jurisdictional agency.
- Irrigation permits and plans shall be submitted for approval at time of building permits.
- All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation system as required.
- All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entry features, etc., leading up to and including the model center and/or first certificate of occupancy must be completed and functional prior to the issuance of the first required certificate of occupancy.
- The height of all required, designed and installed berms shall be from the highest adjacent point whether it is the sidewalk, parking area, wheelchair use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm.
- An inspection is required prior to the backfilling of trees/palms in all parking medians and islands.

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".
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MODIFIED ENTRY GATE AND ROADWAY
 LANDSCAPE PLAN FOR RAIN FOREST ESTATES
 LYONS ROAD, COCONUT CREEK, FLORIDA

SHEET NO. L-1 OF ONE
 DATE: NOV. 19, 2012
 SCALE: 1"=50'
 DRAWN BY: M.J.P.
 CHECKED BY: J.C.
 REVISIONS: JAN. 8, 2013

Michael J. Petrovich and Associates, Inc.

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