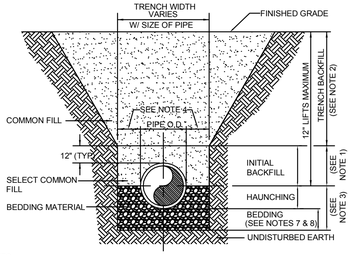
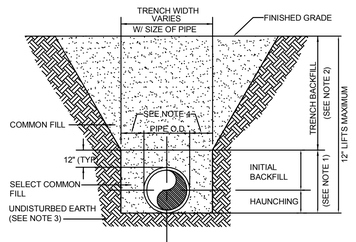


NOTES:
1. INITIAL BACKFILL: SELECT COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. TYPE A BEDDING MATERIAL SHALL CONFORM TO FDOT NO. 57 AGGREGATE.
4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER UP TO 12" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. UTILITIES SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.
9. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN ORANGE COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF R/W UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

BEDDING AND TRENCHING DETAIL – TYPE A
N.T.S.



NOTES:
1. INITIAL BACKFILL AND HAUNCHING: SELECT COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY UTILITIES.
4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN ORANGE COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

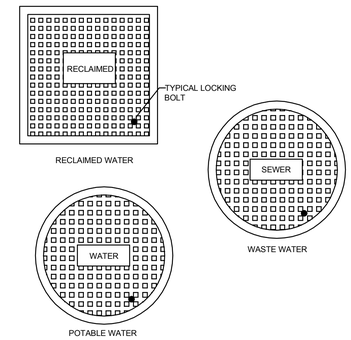
BEDDING AND TRENCHING DETAIL – TYPE B
N.T.S.

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

PROPOSED UTILITY	POTABLE WATER		RECLAIMED WATER		WASTEWATER (GRAVITY & FM)		STORM SEWER	
	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT
POTABLE WATER	3' NOTE 1	12"	3' NOTE 1 & 3	12" NOTE 3	6' NOTE 3	12" NOTE 3	3' NOTE 1 & 3	12"/18" NOTE 2 & 3
RECLAIMED WATER	3' NOTE 1 & 3	12" NOTE 3	3' NOTE 1	12"	3' NOTE 1	12"	3' NOTE 1	12"/18" NOTE 2
WASTEWATER (GRAVITY AND FM)	6' NOTE 3	12" NOTE 3	3' NOTE 1	12"	3' NOTE 1	12"	3' NOTE 1	12"/18" NOTE 2
RIGHT OF WAY	3' NOTE 1	N/A	3' NOTE 1	N/A	3' NOTE 1	N/A	N/A	N/A

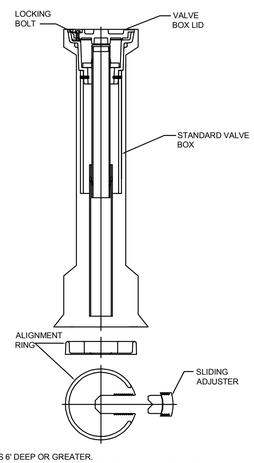
NOTES:
1. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTHS, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
2. THE 18-INCH SEPARATION REQUIREMENT APPLIES WHEN THE STORM PIPE CROSSES ABOVE THE OCU MAIN, AND WHEN THE STORM PIPE HAS A DIAMETER EQUAL TO OR GREATER THAN 24 INCHES. OTHERWISE, THE REQUIRED SEPARATION IS 12 INCHES.
3. THIS SEPARATION REQUIREMENT COMPLIES WITH MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND OCU.
4. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
5. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.

PIPE SEPARATION REQUIREMENTS
N.T.S.



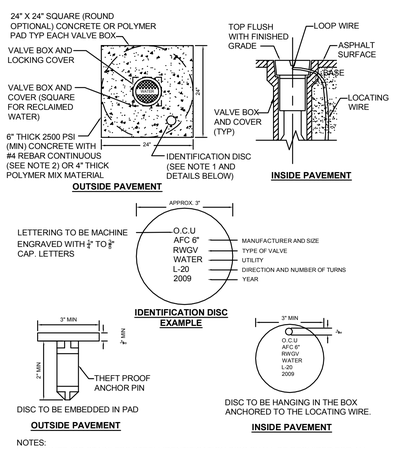
NOTE:
1. LOCKING LIDS ARE REQUIRED ON ALL VALVE BOXES.

TYPICAL VALVE BOX COVER
N.T.S.



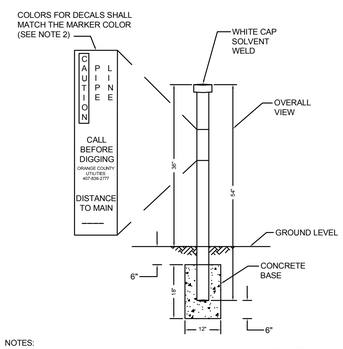
NOTES:
1. FOR ALL MAINS 6' DEEP OR GREATER.
2. FOR MAINS 16" IN DIAMETER OR GREATER REGARDLESS OF DEPTH.

ADJUSTABLE SEALED VALVE BOX
N.T.S.



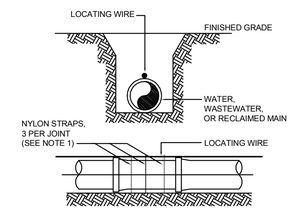
NOTES:
1. BRONZE (OR STAINLESS STEEL) IDENTIFICATION DISC SHALL BE REQUIRED FOR ALL VALVES, EXCEPT HYDRANT VALVES.
2. IN LIEU OF PRECAST CONCRETE PAD, A 6" THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD WITH TWO #4 REBAR AROUND PERIMETER MAY BE USED.

VALVE BOX PAD
N.T.S.



NOTES:
1. MARKERS ARE REQUIRED WHEN UTILITY MAIN IS LOCATED OVER 30 FEET FROM EDGE OF PAVEMENT OR IN AN EASEMENT NOT ADJACENT TO THE RIGHT OF WAY.
2. MARKERS SHALL BE 4" DIAMETER SCH. 80 OR DR18 PVC; BLUE FOR WATER; GREEN FOR WASTEWATER; AND PANTONE PURPLE 522C FOR RECLAIMED WATER.
3. MARKERS SHALL BE PLACED AT ALL DIRECTIONAL CHANGES AND AT ALL VALVES EXCEPT WATER VALVES NEAR FIRE HYDRANTS. ADDITIONAL MARKERS SHALL BE INSTALLED AS NEEDED SO THAT THE DISTANCE BETWEEN MARKERS DOES NOT EXCEED 1000 FEET.

UTILITY MAIN MARKER
N.T.S.



NOTES:
1. ALL PIPE SHALL REQUIRE INSULATED LOCATING WIRE (10 GAUGE SOLID COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE WRAPPED WITH NYLON STRAPS TO TOP CENTERLINE OF THE PIPE.
2. LOCATING WIRE SHALL BE CONTINUOUS INSIDE VALVE BOXES AND SHALL EXTEND 12" ABOVE TOP OF COLLAR.
3. WIRE INSULATION SHALL BE COLOR CODED FOR THE TYPE OF PIPE BEING INSTALLED.

PIPE LOCATING WIRE
N.T.S.

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
FLORIDA LICENSE NUMBER

KHA PROJECT 049183005
DATE 06/20/2016
SCALE AS SHOWN
DESIGNED BY JAM
DRAWN BY KAS
CHECKED BY JAM
DATE: ____

UTILITY CONSTRUCTION DETAILS

MAITLAND CONCOURSE NORTH
MASTER INFRASTRUCTURE &
LOT 7 RESIDENTIAL
CITY OF MAITLAND FLORIDA

SHEET NUMBER
C9.3

Plotted By:Ramsburg, Derek Sheet Set:MCN-MI-LOT7 Layout:DETAILS June 20, 2016 12:55:54pm K:\ORL_Civil\049183005-MCN-Master Development Svcs\CADD\CONST\PlanSheets\C9.3-UTILITY DETAILS.dwg
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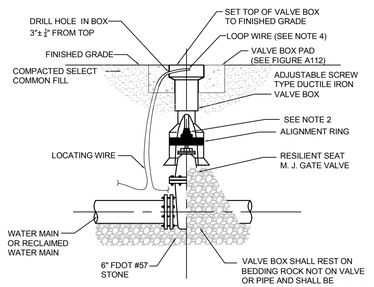
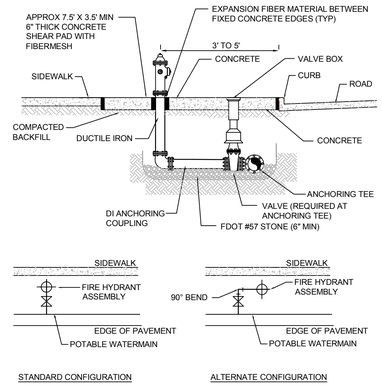


NOTES:
1. PVC PIPE OR DUCTILE IRON PIPE EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
2. THE VALVE ACTUATING NUT SHALL BE EXTENDED TO BE WITHIN 3' OF FINISHED GRADE.
3. PROVIDE A PLASTIC DEBRIS SHIELD / ALIGNMENT RING WHICH INSTALLS BELOW THE VALVE ACTUATING NUT. THIS SHIELD SHALL CENTER THE RISER PIPE BOX OVER THE ACTUATING NUT AND MINIMIZE INFILTRATION.
4. LOCATING WIRE SHALL BE CONTINUOUS WITH NO SPLICES AND SHALL EXTEND 12" ABOVE TOP OF COLLAR. WIRE SHALL BE COLOR CODED TO MATCH THE UTILITY INSTALLED.
5. FOR NEW CONSTRUCTION, THE VALVE BOX SHALL BE ADJUSTED TO MIDRANGE TO ALLOW FOR FUTURE BOX ADJUSTMENTS.
6. REFER TO FIGURE A111 FOR INSTALLATIONS AT A DEPTH OF 6' OR GREATER.

GATE VALVE AND BOX
WATER AND RECLAIMED WATER MAINS
N.T.S.



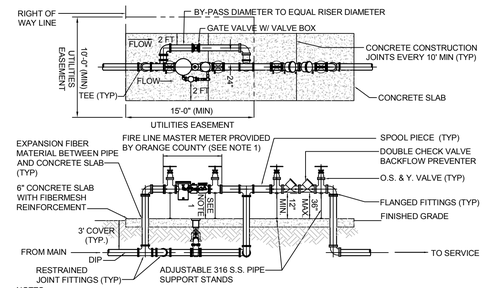
STANDARD CONFIGURATION

ALTERNATE CONFIGURATION

NOTES:

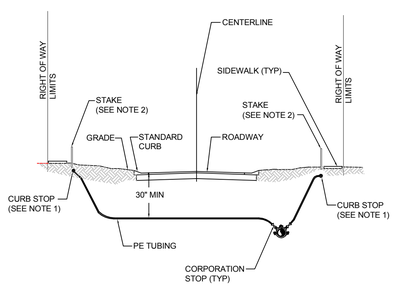
1. CENTER OF THE FLANGE CONNECTION SHALL BE 5" FROM THE TOP OF THE SLAB.
2. BARREL COLORS: PRIVATE HYDRANTS - RED; PUBLIC HYDRANTS - SILVER.
3. BONNET COLORS: TO BE DETERMINED BY FLOW TEST.

FIRE HYDRANT ASSEMBLY
N.T.S.



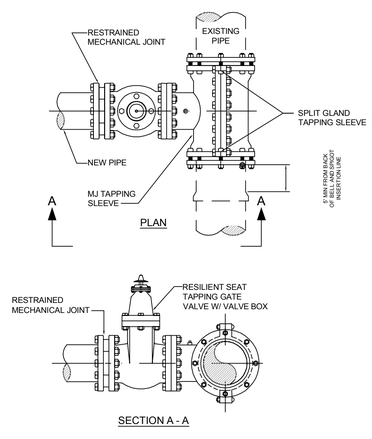
NOTES:
1. THE CONTRACTOR SHALL CONTACT THE UTILITIES INSPECTOR FOR EXACT METER ASSEMBLY LENGTH AND HEIGHT REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL PIPE, FITTINGS AND APPURTENANCES, EXCEPT FOR THE METER ASSEMBLY, WHICH SHALL BE PROVIDED BY UTILITIES.
2. ALL ABOVE GROUND PIPE SHALL BE FLANGED DUCTILE IRON.
3. PAINT ASSEMBLY IN ACCORDANCE WITH THIS MANUAL.
4. SERVICES 4-INCH AND LARGER SHALL BE DIP FROM THE POINT OF CONNECTION TO THE MAIN TO THE METER ASSEMBLY IF THE MAIN IS ON THE SAME SIDE OF THE STREET AS THE ASSEMBLY. IF THE MAIN IS ON THE OPPOSITE SIDE OF THE STREET AS THE ASSEMBLY, A MINIMUM OF ONE SEGMENT OF PIPE IMMEDIATELY UPSTREAM FROM THE METER ASSEMBLY SHALL BE DIP.
5. ALL FLANGES: PIPE, VALVES AND APPURTENANCES SHALL HAVE 316 S.S. HARDWARE.

FIRE LINE MASTER METER ASSEMBLY
N.T.S.

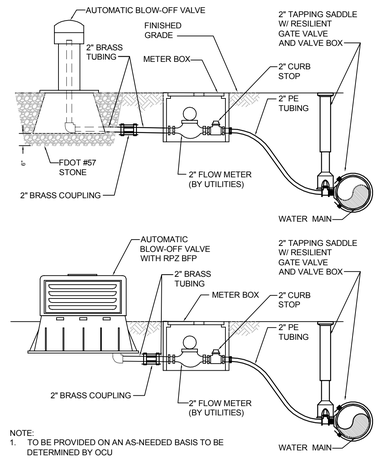


NOTES:
1. CURB STOP SHALL BE INSTALLED ON STREET SIDE OF THE SIDEWALK BETWEEN SIDEWALK AND CURB.
2. CONTRACTOR TO LOCATE CURB STOP BY PLACING A 2" X 2" SQUARE STAKE RISING 24" ABOVE THE GROUND. TOP OF STAKE SHALL BE PAINTED THE COLOR OF THE UTILITY SERVICE AND LABELED WITH THE LOT NUMBER(S) IT SERVES.

WATER AND RECLAIMED WATER SERVICES
N.T.S.



MJ TAPPING SLEEVE AND GATE VALVE
ASSEMBLY FOR WATER AND RECLAIMED WATER
N.T.S.



NOTE:
1. TO BE PROVIDED ON AN AS-NEEDED BASIS TO BE DETERMINED BY OCU

BLOW-OFF VALVE, AUTOMATIC, WATER
N.T.S.

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)										
TYPE	PIPE SIZE									
	PVC					DIP				
	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"
90° BEND	25	36	46	55	64	65	77	89	105	120
45° BEND	10	15	19	23	26	27	32	37	44	50
22-1/2° BEND	5	8	9	11	13	13	15	18	21	24
11-1/4° BEND	3	4	5	6	8	7	8	9	10	12
PLUG OR BRANCH OF TEE	53	74	97	117	135	138	166	194	231	265
VALVE	27	38	49	59	68	69	83	97	116	133
REDUCER	VARIES BY SIZE: TO BE DETERMINED BY THE DESIGN ENGINEER.									

NOTES:
1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
4. ALL INLINE VALVES SHALL BE RESTRAINED.
5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW:

WORKING PRESSURE: 150 PSI
SOIL DESIGNATION: SM (SAND SILT)
LAYING CONDITIONS: 3
DEPTH OF COVER: 3 FT
SAFETY FACTOR: 1.5
CONVERSION FACTOR FOR PVC PIPE: 1.25

THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC SOIL DESIGNATIONS, LAYING CONDITIONS, PIPE MATERIAL, ETC. FOR DIP ENCASED IN POLYETHYLENE, INCREASE THE GIVEN VALUE BY A FACTOR OF 1.25.

RESTRAINED PIPE TABLE
WATER AND RECLAIMED WATER MAINS
N.T.S.

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

FLORIDA LICENSE NUMBER

DATE:

KHA PROJECT 049183005
DATE 06/20/2016
SCALE AS SHOWN
DESIGNED BY JAM
DRAWN BY KAS
CHECKED BY JAM

UTILITY CONSTRUCTION DETAILS

MAITLAND CONCOURSE NORTH
MASTER INFRASTRUCTURE &
LOT 7 RESIDENTIAL

CITY OF MAITLAND FLORIDA

SHEET NUMBER
C9.4

Plotted By:Ramsburg, Derek Sheet Set:MCN-MI-LOT7 Layout:DETAILS (2) June 20, 2016 12:56:16pm K:\ORL_Civil\049183005-MCN-Master Development Svcs\CADD\CONST\PlanSheets\C9.3-UTILITY DETAILS.dwg
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SCOPE: Supply one complete H-20 LP Pre-Fab Lift Station, per design.

Pumps shall be capable of pumping domestic & commercial sewage.

Complete system shall be supplied by:

XYLEM, INC

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured By L.F. Manufacturing, Giddings, Texas, Which Includes A Written 20 Yr. Warranty

Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida.

After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible.

PUMPS: The submersible pumps shall be manufactured by Flygt Corporation. "The pumps shall be installed in the H-20 GP FRP wetwell utilizing a dual slide rail system. The pumps shall be capable of handling solids, fibrous materials, heavy sludge, and other matter typically found in wastewater.
Major pump components shall be grey cast iron, ASTM A-48, Class 35B. The pump motor shall be NEMA B design and housed in an air-filled watertight chamber. The stator windings shall be insulated with moisture resistant Class H insulation by use of the trickle impregnation method. The motor shall be heat-shrink fit into the stator housing. The use of bolts, pins, or other fastening devices is not acceptable. The cable entry seal shall consist of a cylindrical elastomer grommet flanked by washers. Epoxies, silicones, or other sealing systems are not acceptable. Thermal switches set to open at 125 degrees C shall be embedded in the stator end coils to monitor the temperature of each phase winding. The motor horsepower shall be adequate so that the pump is non-overloading throughout the entire pump performance curve from shut-off through run-out.

The pump shall be provided with a dual mechanical seal. Both upper and lower seal assemblies shall consist of a stationary tungsten-carbide ring and a rotating tungsten-carbide ring. Other seal materials are not considered acceptable."

DUPLEX CONTROL PANEL:

Control panel shall be assembled and built by a TUV (UL508A CERTIFIED) manufacturing facility.

The Enclosure shall be NEMA 4X, minimum 30" high x 30" wide x 10" deep Fiberglass with padlockable draw latches.

The enclosure shall have external mounting feet to allow for wall mounting. All hardware shall be stainless steel.

The following components shall be mounted through the enclosure:
1- ea. Red Alarm Beacon (Light)
1- ea. Alarm Horn
1- ea. Generator Receptacle w/ weatherproof cover
1- ea. Alarm Silence Pushbutton

The backpanel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.

The following components shall be mounted to backpanel:
2- ea. Motor Contactors
1- ea. Volt Monitor (Single Phase) Phase Monitor (Three Phase)
1- ea. Control Transformer (480 Volt Only)
1- ea. Silence Relay
1- ea. Duplex Alternator
1- ea. Model BOAC5AH Battery Back-Up w/ Smart Charger (Per DEP)
20- ea. Terminals For Field Connections
6- ea. Terminals For Motor Connections (Single Phase Only)
3- ea. Grounding Lugs

The innerdoor shall be fabricated from .080, 5052-H32 marine alloy aluminum. The innerdoor shall have a continuous aluminum piano hinge.

The following components shall be mounted through the innerdoor:
1- ea. Main Circuit Breaker
1- ea. Emergency Circuit Breaker
1- ea. Mechanical Interlock For Emergency And Main Breakers
2- ea. Short Circuit Protectors
1- ea. Control Circuit Breaker
1- ea. Hand-Off-Auto Selector Switches
2- ea. Pump Run Pilot Lights
1- ea. Power On Pilot Light
2- ea. Elapse Time Meters (Non-Resetable)
1- ea. GFI Duplex Convenience Outlet

COMPONENT SPECIFICATIONS:
All circuit breakers shall be molded thermal magnetic.
The mechanical interlock shall prevent the normal and emergency main breakers being energized at the same time.
An emergency generator receptacle shall be supplied in accordance with DEP standards. The generator receptacle shall be adequately sized to meet the equipment operating conditions.

NEUTRAL TO BE SUPPLIED FOR BOTH 230V 3PHASE OR 230V SINGLE PHASE POWER

All motor short circuit protection devices must provide for undervoltage release and class 10 overload protection on all three phases. Visable trip indication, test, and reset capability must be provided without opening inner door.
Open frame, across the line, contactors shall be rated per IEC standards and properly sized per the motor requirements.
Contactors shall provide for safe touch power and control terminals.
Lightning Arrestor shall meet or exceed the requirements of ANSI/IEEE Std. C62.21-1984 section 8.6.1. and 8.7.3 shall be supplied by electrician and mounted on the bottom side of the switch disconnect ahead of the pump control panel.
A voltage monitor shall be supplied for single phase service.
A phase monitor shall be supplied for (3) phase service.
A green pilot light shall be supplied for each motor. The pilot light shall illuminate each time the motor is called to run.
Each pump shall have an Elapse Time Meter to record the accumulated run time. The ETM shall be 2" diameter, non-resettable, six digit, totally encapsulated unit.
A Red pilot light shall be supplied for control power. The pilot light shall illuminate when the control power is available inside the control panel.
Relays shall be ice-cube plug in type. Relay contacts shall be rated 10 amp minimum, DPDT.
Twenty (20) terminals shall be supplied for field connections. The terminals shall be rated 25 amps minimum.
Each motors over-temperature contact shall be connected to the terminal strip and shall open a contact to de-energize the appropriate motor upon a high temperature within the motor.
A 15 Amp GFI duplex receptacle shall be supplied and mounted on the innerdoor.
Ground lugs shall be supplied and appropriately sized for each motor and for service entrance.

Nameplates for the innerdoor and back panel shall be of a graphic design, specifically depicting the intent for each device.

MISCELLANEOUS: All wiring on the backpanel shall be containted within the wiring duct. All wiring between the innerdoor and the backpanel shall be contained with in a plastic spiral wrap.
Each wire shall have a wire number at each end to correspond to the as built drawing for field troubleshooting.
The control panel shall be assembled by a TUV (UL508A Certified) manufacturing facility.

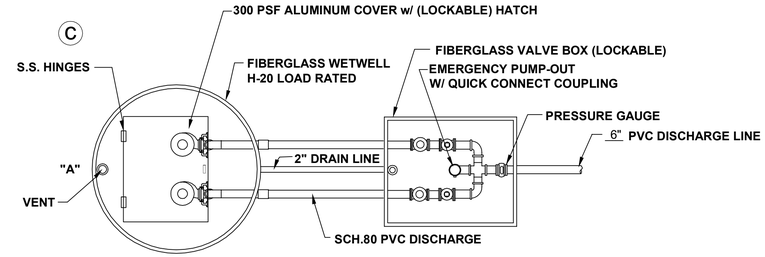
PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	767.50 GPM	TOP OF WETWELL	80.50'
PRIMARY TDH	126 'TDH	INLET INVERT	61.14'
PUMP MANUFACTURER	FLYGT	HIGH LEVEL ALARM (HLA)	60.64'
PUMP MODEL #	NP-3171.181	2nd PUMP ON (LAG)	59.64'
R.P.M.	1755	1st PUMP ON (LEAD)	58.64'
HORSEPOWER	34	PUMPS OFF (OFF)	53.64
ELECTRICAL/ VOLTS / PHASE	460 V / 3 PH	BOTTOM OF WETWELL	51.64'
PUMP DISCHARGE SIZE	4"	WETWELL DIAMETER	96"
IMPELLER CODE	303 mm		

FASTNERS & APPURTANCES: All fasternes, lifting cables, float cable bracket, hinges, and appurtances shall be made of AISI 304SS.
A 304SS slide/latch assembly shall be provided tor holding the doors open on the wetwell and valve box.
Slide rails shall be made of SCH.40 AISI 304SS pipe.
Pump lifting cables shall be made of AISI 304 SS.

H-20 LOAD RATED WETWELL WITH LIFTING LUGS:
The fiberglass wetwell must be H-20 load rated with integral lifting lugs, fiberglass slope in bottom of wetwell and valve box.
Certification of the H-20 load rating must be supplied at the time of submittals to Engineer.
The wetwell shall be manufactured of fiberglass reinforced polyester (FRP) of depth and diameter as shown on the lift station elevation detail. The wall thickness shall be adequate for the depth of the wetwell to maintain the H-20 LOAD RATING.

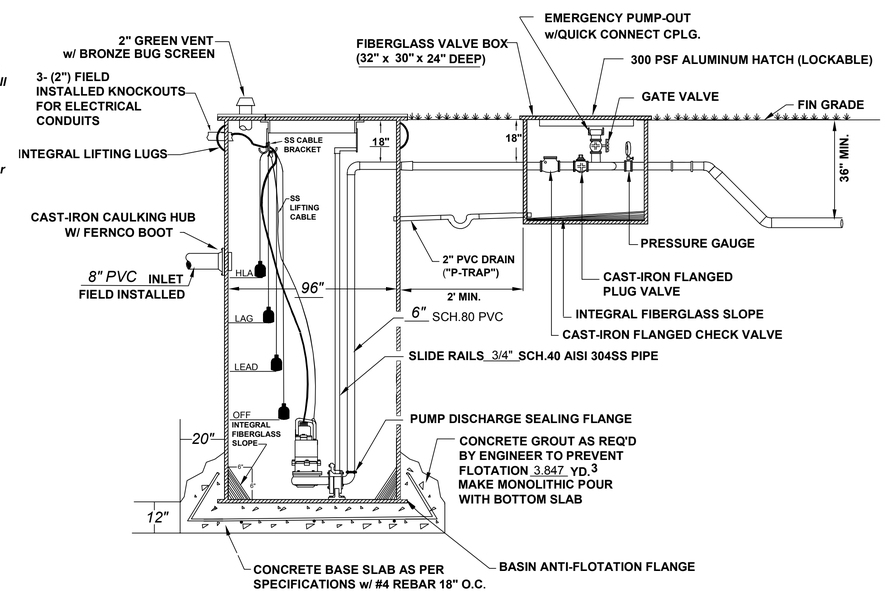
EXECUTION:
Installation shall be in strict accordance with the manufacturer's recommendations in the locations shown on the drawing.

INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance of complete system.
Megger the motors. The pump motors shall be megged out prior to the start-up to ensure that the insulation of the pump motor/cable is intact.
The pump controls and pumps shall be checked for mechanical reliability and proper operation.

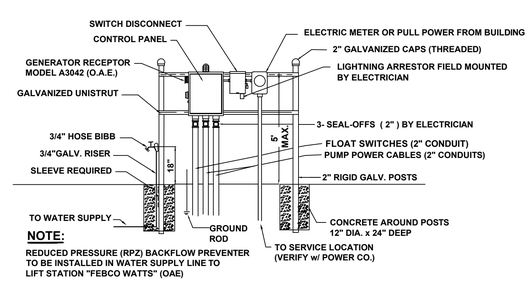


NOTE: PUMP CONTROL PANEL SHALL BE LOCATED 3 FEET MINIMUM FROM WETWELL PERIMETER AT POINT "A"

LIFT STATION PLAN

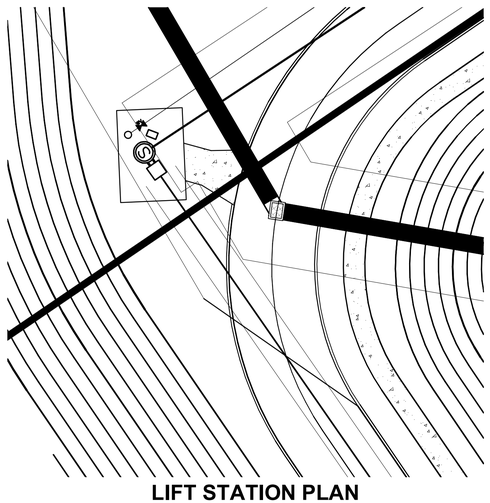


LIFT STATION SECTION



NOTE:
REDUCED PRESSURE (RPZ) BACKFLOW PREVENTER TO BE INSTALLED IN WATER SUPPLY LINE TO LIFT STATION "FEBCO WATTS" (OAE)

ELECTRICAL RISER



LIFT STATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
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3660 MAGUIRE BOULEVARD, SUITE 200, ORLANDO, FL 32803
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LICENSED PROFESSIONAL
BRENT A. LENZEN, P.E.
FLORIDA LICENSE NUMBER 78537
DATE: _____

KHA PROJECT 049183005
DATE 06/20/2016
SCALE AS SHOWN
DESIGNED BY JAM
DRAWN BY KAS
CHECKED BY JAM

LIFT STATION DETAILS

MAITLAND CONCOURSE NORTH
MASTER INFRASTRUCTURE &
LOT 7 RESIDENTIAL
CITY OF MAITLAND FLORIDA

SHEET NUMBER
C9.5

Plotted By:Ramsburg, Derek Sheet Set:MCN-MI-LOT7 Layout:DETAILS June 20, 2016 12:57:05pm K:\ORL_Civil\049183005-MCN-Master Development Svcs\CADD\CONST\PlanSheets\C9.5-LS-DETAILS.dwg
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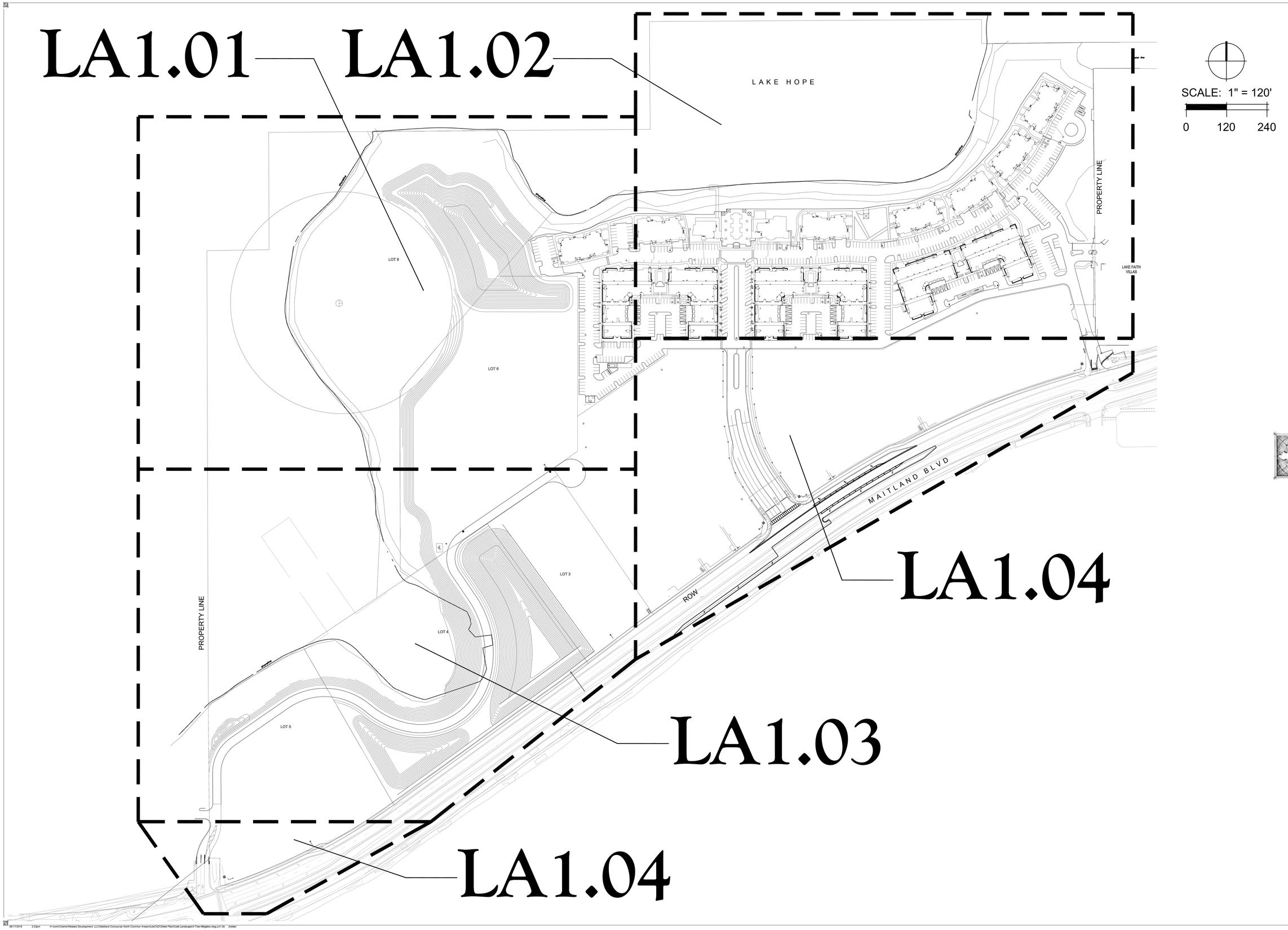

Date:	05/20/16
Drawn by:	JH
Reviewed by:	JH
Job Number:	21606
Revision:	Date:

MAITLAND CONCOURSE NORTH
Maitland, Florida

Related Development, LLC
Client Address

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150 W. JESSUP AVENUE
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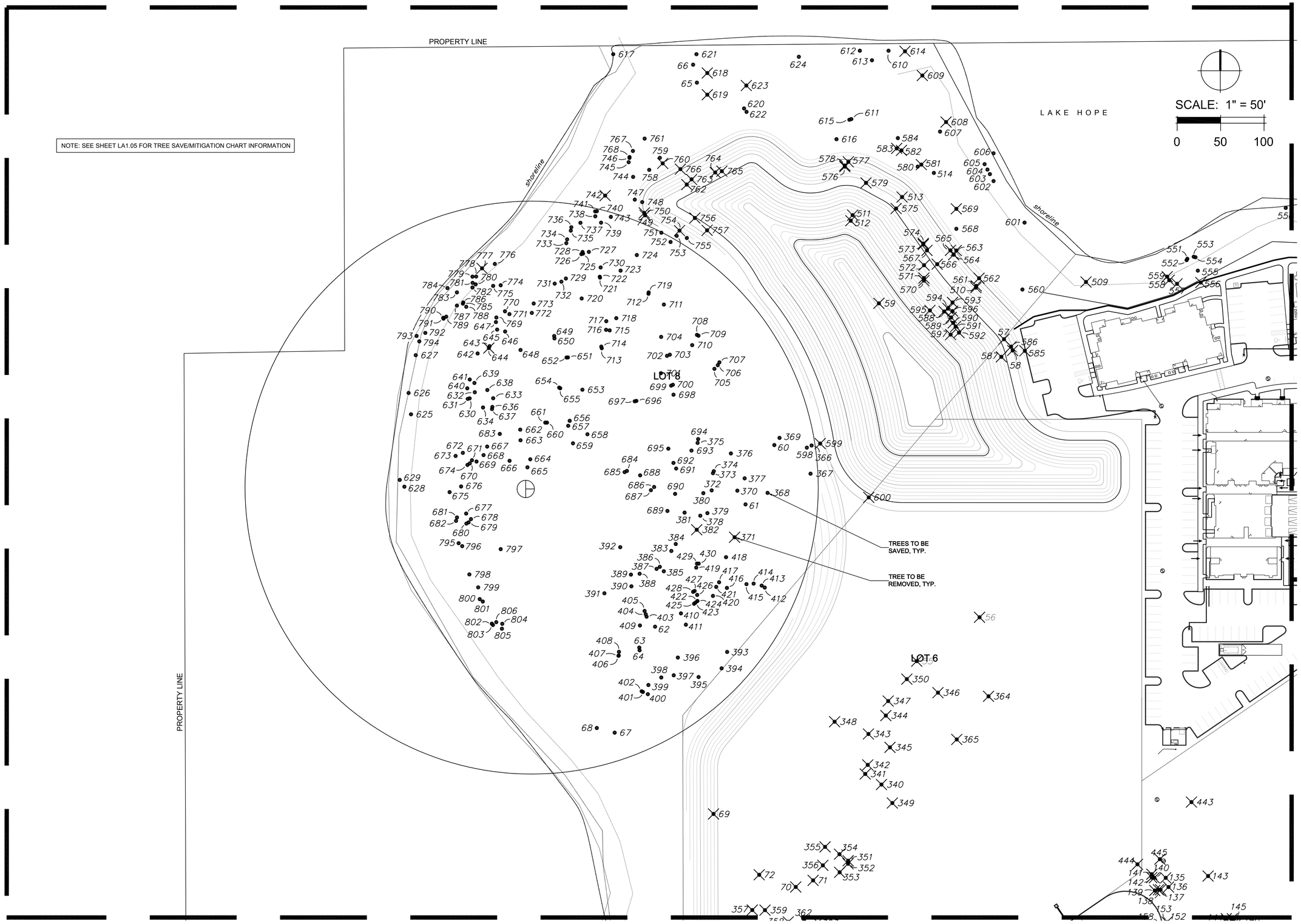
CODE LANDSCAPE PLANS

Existing Tree Survey Key Sheet

Sheet Number:
LA1.00

06/17/2016 3:23pm H:\work\Clients\Related Development, LLC\Maitland Concourse North Common Areas\AutoCAD\Sheet Files\Code Landscape\X-Tree Mitigation.dwg,LA1.00, jhalden

NOTE: SEE SHEET LA1.05 FOR TREE SAVE/MITIGATION CHART INFORMATION



Date:	05/20/16
Drawn by:	JH
Reviewed by:	JH
Job Number:	21606

Revision:	Date:

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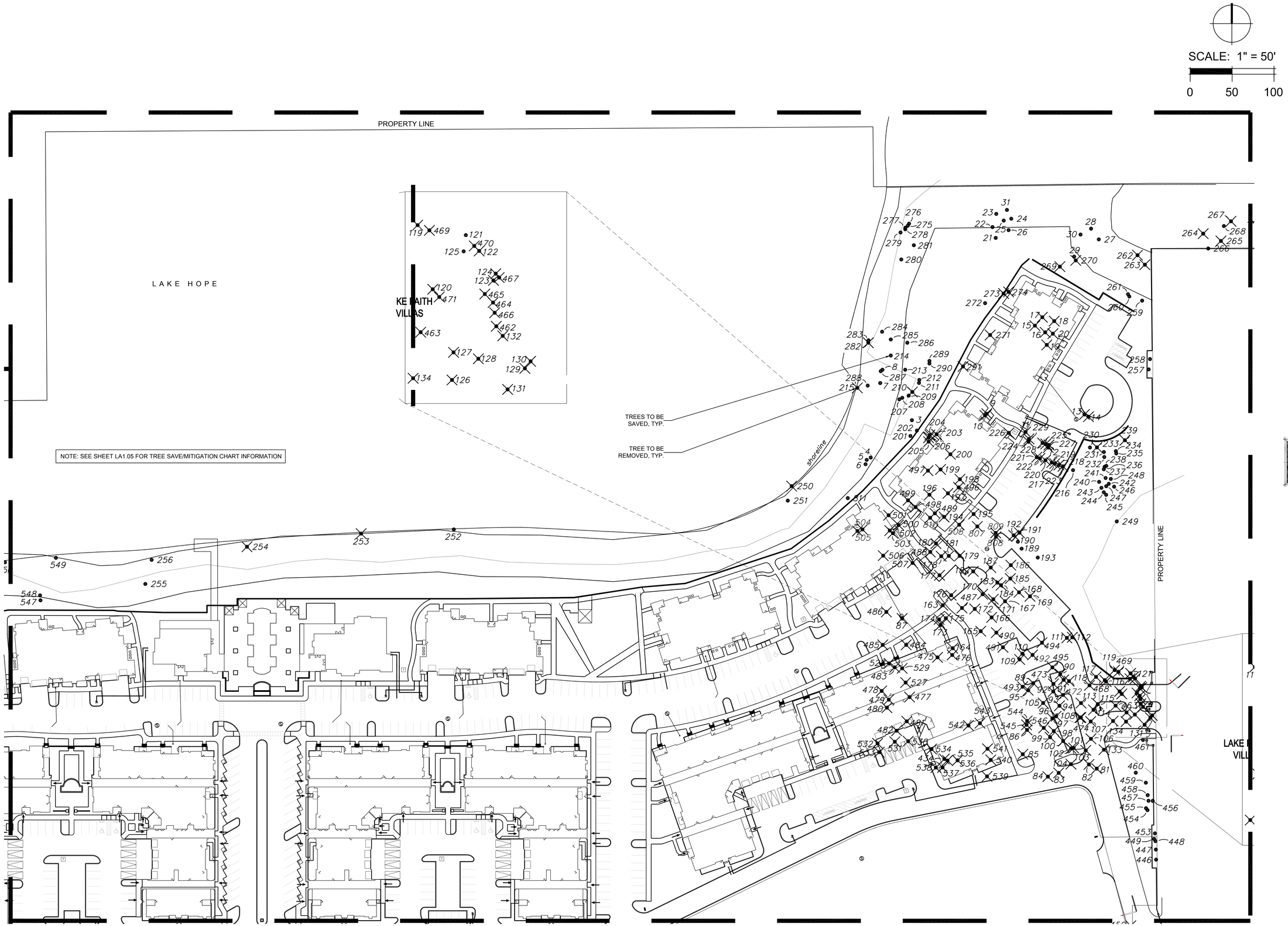
CODE LANDSCAPE PLANS

Existing Tree Survey

Sheet Number:

LA1.01



NOTE: SEE SHEET LA1.05 FOR TREE SAVE/MITIGATION CHART INFORMATION

Date:	05/20/16
Drawn by:	JH
Reviewed by:	JH
Job Number:	21606
Revision:	Date:

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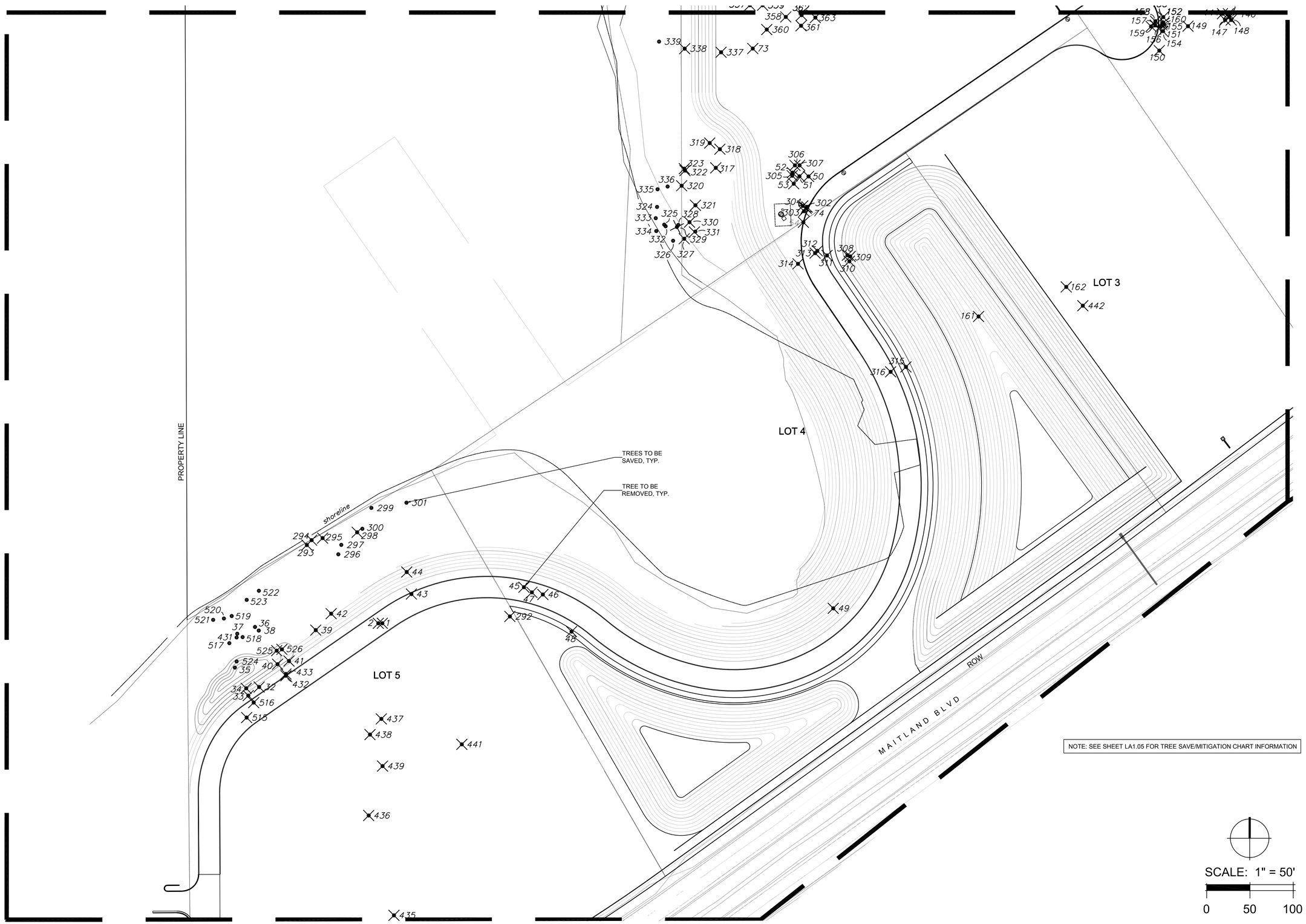
CODE LANDSCAPE PLANS

Existing Tree Survey

Sheet Number:

LA1.02

06/17/2016 3:23pm H:\work\Clients\Related Development, LLC\Maitland Concourse North Common Areas\AutoCAD\Sheet Files\Code Landscape\X-Tree Mitigation.dwg,LA1.02, jholden



NOTE: SEE SHEET LA1.05 FOR TREE SAVE/MITIGATION CHART INFORMATION

Date:	05/20/16
Drawn by:	JH
Reviewed by:	JH
Job Number:	21606

Revision:	Date:

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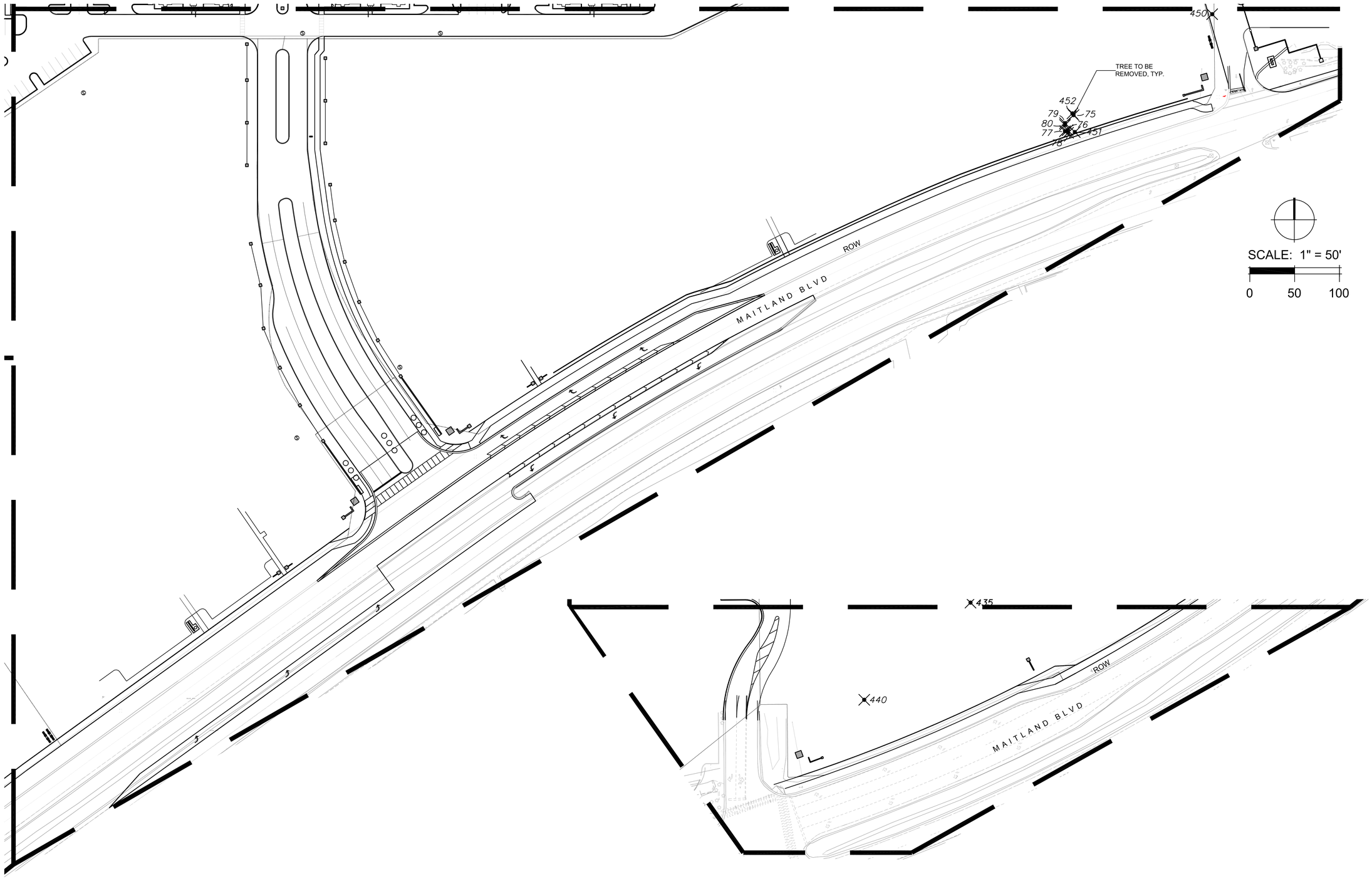
CODE LANDSCAPE PLANS

Existing Tree Survey

Sheet Number:

LA1.03



NOTE: SEE SHEET LA1.05 FOR TREE SAVE/MITIGATION CHART INFORMATION

Date:	05/20/16
Drawn by:	JH
Reviewed by:	JH
Job Number:	21606

Revision:	Date:

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CODE LANDSCAPE PLANS

Existing Tree Survey

Sheet Number:

LA1.04

TREE SAVE/MITIGATION CHART

Tree #	DBH	Common Name	Location	Status	Mitigation DBH Inches	Tree Retention SF Credit
1	43	Laurel Oak	Common (Ponds/Entry)	Remove	12	0
2	40	Laurel Oak	Common (Ponds/Entry)	Remove	12	0
3	46	Laurel Oak	7 (Multi-family)	Keep	0	400
4	32	Laurel Oak	7 (Multi-family)	Keep	0	400
5	28	Laurel Oak	7 (Multi-family)	Keep	0	400
6	24	Laurel Oak	7 (Multi-family)	Keep	0	400
7	32	Laurel Oak	7 (Multi-family)	Keep	0	400
8	44	Laurel Oak	7 (Multi-family)	Keep	0	400
9	27	Laurel Oak	7 (Multi-family)	Remove	0	0
10	14, 14	Laurel Oak	7 (Multi-family)	Remove	0	0
11	42	Laurel Oak	7 (Multi-family)	Remove	12	0
12	26	Laurel Oak	7 (Multi-family)	Remove	0	0
13	48	Laurel Oak	7 (Multi-family)	Remove	15	0
14	30	Laurel Oak	7 (Multi-family)	Remove	9	0
15	58	Laurel Oak	7 (Multi-family)	Remove	15	0
16	27	Laurel Oak	7 (Multi-family)	Remove	0	0
17	32	Laurel Oak	7 (Multi-family)	Remove	9	0
18	30	Laurel Oak	7 (Multi-family)	Remove	9	0
19	26	Laurel Oak	7 (Multi-family)	Remove	0	0
20	24	Laurel Oak	7 (Multi-family)	Remove	0	0
21	36	Laurel Oak	7 (Multi-family)	Keep	0	400
22	28	Laurel Oak	7 (Multi-family)	Keep	0	400
23	13	Laurel Oak	7 (Multi-family)	Keep	0	400
24	12	Laurel Oak	7 (Multi-family)	Keep	0	400
25	28	Laurel Oak	7 (Multi-family)	Keep	0	400
26	15	Laurel Oak	7 (Multi-family)	Keep	0	400
27	15	Laurel Oak	7 (Multi-family)	Keep	0	400
28	15	Laurel Oak	7 (Multi-family)	Keep	0	400
29	14	Laurel Oak	7 (Multi-family)	Keep	0	400
30	12	Laurel Oak	7 (Multi-family)	Keep	0	400
31	10	Laurel Oak	7 (Multi-family)	Keep	0	400
32	13	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
33	13	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
34	10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
35	13	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
36	11	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
37	16	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
38	10	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
39	50	Laurel Oak	Common (Ponds/Entry)	Remove	15	0
40	14, 14, 12, 12, 10, 10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
41	20	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
42	38	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
43	65	Laurel Oak	Common (Ponds/Entry)	Remove	15	0
44	40	Laurel Oak	Common (Ponds/Entry)	Remove	12	0
45	24	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
46	60	Laurel Oak	Common (Ponds/Entry)	Remove	15	0
47	28	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
48	12	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
49	27	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
50	26	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
51	24	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
52	50, 28	Laurel Oak	3, 5, & 6 (unplanned)	Remove	15	0
53	24	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
54	28	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
55	34, 15	Laurel Oak	3, 5, & 6 (unplanned)	Remove	15	0
56	36	Laurel Oak	3, 5, & 6 (unplanned)	Remove	12	0
57	55	Laurel Oak	Common (Ponds/Entry)	Remove	15	0
58	27	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
59	36	Laurel Oak	Common (Ponds/Entry)	Remove	12	0
60	26	Laurel Oak	8 (Park / Perserve)	Keep	0	400
61	25	Laurel Oak	8 (Park / Perserve)	Keep	0	400
62	26	Palm	8 (Park / Perserve)	Keep	0	0
63	24	Palm	8 (Park / Perserve)	Keep	0	0
64	25	Laurel Oak	8 (Park / Perserve)	Keep	0	400
65	25	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
66	27	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
67	28	Laurel Oak	8 (Park / Perserve)	Keep	0	400
68	25	Laurel Oak	8 (Park / Perserve)	Keep	0	400
69	26	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
70	30	Laurel Oak	3, 5, & 6 (unplanned)	Remove	9	0
71	29	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
72	48	Laurel Oak	3, 5, & 6 (unplanned)	Remove	15	0
73	48	Laurel Oak	3, 5, & 6 (unplanned)	Remove	15	0
74	36	Laurel Oak	Common (Ponds/Entry)	Remove	12	0
75	24	Palm	1 & 2 (Retail)	Remove	0	0
76	19	Palm	1 & 2 (Retail)	Remove	0	0
77	18	Palm	1 & 2 (Retail)	Remove	0	0
78	15	Palm	1 & 2 (Retail)	Remove	0	0
79	19	Palm	1 & 2 (Retail)	Remove	0	0
80	24	Palm	1 & 2 (Retail)	Remove	0	0
81	30	Laurel Oak	7 (Multi-family)	Remove	9	0
82	28	Laurel Oak	7 (Multi-family)	Remove	0	0
83	24	Laurel Oak	7 (Multi-family)	Remove	0	0
84	26	Camphor	7 (Multi-family)	Remove	0	0
85	24	Laurel Oak	7 (Multi-family)	Remove	0	0
86	24	Laurel Oak	7 (Multi-family)	Remove	0	0
87	36	Laurel Oak	7 (Multi-family)	Remove	12	0
88		omitted			0	0
89	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
90	15	Palm	7 (Multi-family)	Remove	0	0
91	28	Laurel Oak	7 (Multi-family)	Remove	0	0
92	11	Palm	7 (Multi-family)	Remove	0	0
93	7, 7	Camphor	7 (Multi-family)	Remove-Invasive	0	0
94	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
95	11	Palm	7 (Multi-family)	Remove	0	0
96	11	Camphor	7 (Multi-family)	Remove-Invasive	0	0
97	28	Laurel Oak	7 (Multi-family)	Remove	0	0
98	15, 10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
99	17	Camphor	7 (Multi-family)	Remove-Invasive	0	0
100	22	Laurel Oak	7 (Multi-family)	Remove	0	0
101	16	Laurel Oak	7 (Multi-family)	Remove	0	0
102	11	Laurel Oak	7 (Multi-family)	Remove	0	0
103	19	Laurel Oak	7 (Multi-family)	Remove	0	0
104	8	Palm	7 (Multi-family)	Remove	0	0
105	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
106	12, 10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
107	14	Camphor	7 (Multi-family)	Remove-Invasive	0	0
108	14	Palm	7 (Multi-family)	Remove	0	0
109	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
110	10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
111	12	Laurel Oak	7 (Multi-family)	Remove	0	0
112	12	Laurel Oak	7 (Multi-family)	Remove	0	0
113	14	Laurel Oak	7 (Multi-family)	Remove	0	0
114	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
115	8, 6, 6, 4	Camphor	7 (Multi-family)	Remove-Invasive	0	0
116	13	Laurel Oak	7 (Multi-family)	Remove	0	0
117	14	Camphor	7 (Multi-family)	Remove-Invasive	0	0
118	11	Palm	7 (Multi-family)	Remove	0	0
119	16	Camphor	7 (Multi-family)	Remove-Invasive	0	0
120	15	Camphor	7 (Multi-family)	Remove-Invasive	0	0
121	19	Laurel Oak	7 (Multi-family)	Keep	0	400
122	14	Camphor	7 (Multi-family)	Remove-Invasive	0	0
123	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
124	8, 7, 4	Camphor	7 (Multi-family)	Remove-Invasive	0	0
125	10	Palm	7 (Multi-family)	Keep	0	0
126	10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
127	9	Camphor	7 (Multi-family)	Remove-Invasive	0	0
128	22	Palm	7 (Multi-family)	Remove	0	0
129	20	Laurel Oak	7 (Multi-family)	Remove	0	0
130	13	Laurel Oak	7 (Multi-family)	Remove	0	0
131	8, 6, 4	Camphor	7 (Multi-family)	Remove-Invasive	0	0
132	12	Palm	7 (Multi-family)	Remove	0	0
133	13	Laurel Oak	7 (Multi-family)	Remove	0	0
134	12	Laurel Oak	7 (Multi-family)	Remove	0	0
135	13	Palm	1 & 2 (Retail)	Remove	0	0
136	13	Palm	1 & 2 (Retail)	Remove	0	0
137	13	Palm	1 & 2 (Retail)	Remove	0	0
138	15	Palm	1 & 2 (Retail)	Remove	0	0
139	18	Palm	1 & 2 (Retail)	Remove	0	0
140	13	Palm	1 & 2 (Retail)	Remove	0	0
141	13	Palm	1 & 2 (Retail)	Remove	0	0
142	14	Palm	1 & 2 (Retail)	Remove	0	0
143	18	Palm	1 & 2 (Retail)	Remove	0	0
144	12	Laurel Oak	1 & 2 (Retail)	Remove	0	0
145	18	Palm	1 & 2 (Retail)	Remove	0	0
146	12	Palm	1 & 2 (Retail)	Remove	0	0
147	15	Palm	1 & 2 (Retail)	Remove	0	0
148	18	Palm	1 & 2 (Retail)	Remove	0	0
149	13	Palm	1 & 2 (Retail)	Remove	0	0
150	14	Palm	1 & 2 (Retail)	Remove	0	0
151	15	Palm	1 & 2 (Retail)	Remove	0	0
152	12	Palm	1 & 2 (Retail)	Remove	0	0
153		omitted			0	0
154	13	Palm	1 & 2 (Retail)	Remove	0	0
155	15	Palm	1 & 2 (Retail)	Remove	0	0
156	13	Palm	1 & 2 (Retail)	Remove	0	0

Subtotal Mitigated DBH Inches= 291
Existing Tree Credit SF= 11600

Tree #	DBH	Common Name	Location	Status	Mitigation DBH Inches	Tree Retention SF Credit
157	15	Palm	1 & 2 (Retail)	Remove	0	0
158	14	Palm	1 & 2 (Retail)	Remove	0	0
159	16	Palm	1 & 2 (Retail)	Remove	0	0
160	12	Palm	1 & 2 (Retail)	Remove	0	0
161	20	Palm	Common (Ponds/Entry)	Remove	0	0
162	12	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
163	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
164	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
165	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
166	9	Camphor	7 (Multi-family)	Remove-Invasive	0	0
167	8, 8, 6, 4	Camphor	7 (Multi-family)	Remove-Invasive	0	0
168	8, 5	Camphor	7 (Multi-family)	Remove-Invasive	0	0
169	12, 8, 10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
170	12, 10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
171	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
172	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
173	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
174	11	Camphor	7 (Multi-family)	Remove-Invasive	0	0
175	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
176	15	Camphor	7 (Multi-family)	Remove-Invasive	0	0
177	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
178	10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
179	13	Palm	7 (Multi-family)	Remove	0	0
180	14	Laurel Oak	7 (Multi-family)	Remove	0	0
181	10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
182	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
183	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
184	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
185	n/a (fallen)	Laurel Oak	7 (Multi-family)	Remove	0	0
186	20	Laurel Oak	7 (Multi-family)	Remove	0	0
187	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
188		omitted			0	0
189	14	Palm	7 (Multi-family)	Keep	0	0
190	14	Palm	7 (Multi-family)	Keep	0	0
191	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
192	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
193	38	Laurel Oak	7 (Multi-family)	Keep	0	400
194	16	Camphor	7 (Multi-family)	Remove-Invasive	0	0
195	11	Palm	7 (Multi-family)	Remove	0	0
196	13	Palm	7 (Multi-family)	Remove	0	0
197	8	Magnolia	7 (Multi-family)	Remove	0	0
198	11	Laurel Oak	7 (Multi-family)	Remove	0	0
199	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
200	20	Laurel Oak	7 (Multi-family)	Remove	0	0
201	9	Laurel Oak	7 (Multi-family)	Keep	0	400
202	12	Pine	7 (Multi-family)	Keep	0	400
203	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
204	11	Camphor	7 (Multi-family)	Remove	0	0
205	8	Camphor	7 (Multi-family)	Remove	0	0
206	8	Camphor	7 (Multi-family)	Remove	0	0
207	15	Laurel Oak	7 (Multi-family)	Keep	0	400
208	13	Laurel Oak	7 (Multi-family)	Keep	0	400
209	11	Laurel Oak	7 (Multi-family)	Keep	0	400
210	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
211	8	Laurel Oak	7 (Multi-family)	Keep	0	400
212	10	Laurel Oak	7 (Multi-family)	Keep	0	400
213	15	Laurel Oak	7 (Multi-family)	Keep	0	400
214	16	Laurel Oak	7 (Multi-family)	Keep	0	400
215	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
216	17	Laurel Oak	7 (Multi-family)	Keep	0	400
217	18	Laurel Oak	7 (Multi-family)	Remove	0	0
218	20	Laurel Oak	7 (Multi-family)	Remove	0	0
219	13	Laurel Oak	7 (Multi-family)	Remove	0	0
220	9	Laurel Oak	7 (Multi-family)	Remove	0	0
221	12	Laurel Oak	7 (Multi-family)	Remove	0	0
222	8	Laurel Oak	7 (Multi-family)	Remove	0	0
223	8, 4	Laurel Oak	7 (Multi-family)	Remove	0	0
224	12	Laurel Oak	7 (Multi-family)	Remove	0	0
225	14	Laurel Oak	7 (Multi-family)	Remove	0	0
226	16	Laurel Oak	7 (Multi-family)	Remove	0	0
227	8	Laurel Oak	7 (Multi-family)	Remove	0	0
228	9	Laurel Oak	7 (Multi-family)	Remove	0	0
229	22	Laurel Oak	7 (Multi-family)	Remove	0	0
230	9	Laurel Oak	7 (Multi-family)	Keep	0	400
231	8	Laurel Oak	7 (Multi-family)	Keep	0	400
232	25	Laurel Oak	7 (Multi-family)	Keep	0	400
233	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
234	12	Laurel Oak	7 (Multi-family)	Keep	0	400
235	14	Laurel Oak	7 (Multi-family)	Keep	0	400
236	16	Laurel Oak	7 (Multi-family)	Keep	0	400
237	13	Laurel Oak	7 (Multi-family)	Keep	0	400
238	20	Laurel Oak	7 (Multi-family)	Keep	0	400
239	13, 12, 8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
240	13	Laurel Oak	7 (Multi-family)	Keep	0	400
241	12	Laurel Oak	7 (Multi-family)	Keep	0	400
242	13	Laurel Oak	7 (Multi-family)	Keep	0	400
243	22	Laurel Oak	7 (Multi-family)	Keep	0	400
244	12	Laurel Oak	7 (Multi-family)	Keep	0	400
245	12	Laurel Oak	7 (Multi-family)	Keep	0	400
246	14	Laurel Oak	7 (Multi-family)	Keep	0	400
247	13	Laurel Oak	7 (Multi-family)	Keep	0	400
248	20	Laurel Oak	7 (Multi-family)	Keep	0	400
249	15	Palm	7 (Multi-family)	Keep	0	0
250	6, 6	Camphor	7 (Multi-family)	Remove-Invasive	0	0
251	8	Laurel Oak	7 (Multi-family)	Keep	0	400
252	8	Laurel Oak	7 (Multi-family)	Keep	0	400
253	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
254	10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
255	9	Laurel Oak	7 (Multi-family)	Keep	0	400
256	12	Laurel Oak	7 (Multi-family)	Keep	0	400
257	8	Laurel Oak	7 (Multi-family)	Keep	0	400
258	9	Laurel Oak	7 (Multi-family)	Keep	0	400
259	12, 9, 6	Laurel Oak	7 (Multi-family)	Keep	0	400
260	10	Laurel Oak	7 (Multi-family)	Keep	0	400
261	12	Laurel Oak	7 (Multi-family)	Keep	0	400
262	10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
263	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
264	9	Camphor	7 (Multi-family)	Remove-Invasive	0	0
265	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
266	17	Palm	7 (Multi-family)	Keep	0	0
267	10	Camphor	7 (Multi-family)	Remove-Invasive	0	0
268	12	Laurel Oak	7 (Multi-family)	Keep	0	400
269	12, 6, 5	Camphor	7 (Multi-family)	Remove-Invasive	0	0
270	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
271	13	Laurel Oak	7 (Multi-family)	Remove	0	0
272	12, 8	Laurel Oak	7 (Multi-family)	Keep	0	400
273	10	Laurel Oak	7 (Multi-family)	Remove	0	0
274	9	Laurel Oak	7 (Multi-family)	Remove	0	0
275	30	Pine	7 (Multi-family)	Keep	0	400
276	13	Laurel Oak	7 (Multi-family)	Keep	0	400
277	10	Laurel Oak	7 (Multi-family)	Keep	0	400
278	10	Laurel Oak	7 (Multi-family)	Keep	0	400
279	13	Palm	7 (Multi-family)	Keep	0	0
280	12	Laurel Oak	7 (Multi-family)	Keep	0	400
281	8	Pine	7 (Multi-family)	Keep	0	400
282	12	Camphor	7 (Multi-family)	Remove-Invasive	0	0
283	12	Laurel Oak	7 (Multi-family)	Keep	0	400
284	10	Laurel Oak	7 (Multi-family)	Keep	0	400
285	10	Laurel Oak	7 (Multi-family)	Keep	0	400
286	10, 9	Laurel Oak	7 (Multi-family)	Keep	0	400
287	22, 21	Laurel Oak	7 (Multi-family)	Keep	0	400
288	15	Laurel Oak	7 (Multi-family)	Keep	0	400
289	8	Laurel Oak	7 (Multi-family)	Keep	0	400
290	8	Laurel Oak	7 (Multi-family)	Keep	0	400
291	10	Laurel Oak	7 (Multi-family)	Remove	0	0
292	15	Palm	3, 5, & 6 (unplanned)	Remove	0	0
293	12	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
294	9, 6	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
295	9	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
296	13	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
297	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
298	13	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
299	15	Palm	Common (Ponds/Entry)	Keep	0	0
300	10	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
301	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
302	13	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
303	14	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
304	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
305	21	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
306	10	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
307	14	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
308	22	Palm	Common (Ponds/Entry)	Remove	0	0
309	20	Palm	Common (Ponds/Entry)	Remove	0	0
310	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
311	18	Palm	Common (Ponds/Entry)	Remove	0	0
312	13	Palm	Common (Ponds/Entry)	Remove	0	0

Subtotal Mitigated DBH Inches= 0
Existing Tree Credit SF= 22800

Tree #	DBH	Common Name	Location	Status	Mitigation DBH Inches	Tree Retention SF Credit
313	15	Palm	Common (Ponds/Entry)	Remove	0	0
314	14	Palm	Common (Ponds/Entry)	Remove	0	0
315	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
316	14	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
317	20	Palm	3, 5, & 6 (unplanned)	Remove	0	0
318	8, 6	Camphor	3, 5, & 6 (unplanned)	Remove	0	0
319	13	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
320	13	Camphor	3, 5, & 6 (unplanned)	Remove	0	0
321	13	Camphor	3, 5, & 6 (unplanned)	Remove	0	0
322	20	Palm	3, 5, & 6 (unplanned)	Remove	0	0
323	18	Palm	3, 5, & 6 (unplanned)	Remove	0	0
324	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
325	10, 9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
326	14	Palm	8 (Park / Perserve)	Keep	0	0
327	13	Palm	3, 5, & 6 (unplanned)	Remove	0	0
328	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
329	12, 9	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
330	8, 8	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
331	12	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
332	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
333	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
334	13, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
335	48	Laurel Oak	8 (Park / Perserve)	Keep	0	400
336	14	Laurel Oak	8 (Park / Perserve)	Keep	0	400
337	12	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
338	12	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
339	26	Laurel Oak	8 (Park / Perserve)	Keep	0	400
340	9	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
341	9	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
342	13	Palm	3, 5, & 6 (unplanned)	Remove	0	0
343	20	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
344	14	Palm	3, 5, & 6 (unplanned)	Remove	0	0
345	10	Camphor	3, 5, & 6 (unplanned)	Remove	0	0
346	10, 10	Camphor	3, 5, & 6 (unplanned)	Remove	0	0
347	15	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
348	20	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
349	12, 9	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
350	13	Palm	3, 5, & 6 (unplanned)	Remove	0	0
351	13	Palm	3, 5, & 6 (unplanned)	Remove	0	0
352	12, 7	Camphor	3, 5, & 6 (unplanned)	Remove	0	0
353	13	Palm	3, 5, & 6 (unplanned)	Remove	0	0
354	8	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
355	9	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
356	22	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
357	14, 13, 10	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
358	12	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
359	15	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
360	10	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
361	10	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
362	8	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
363	15	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
364	12	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
365	15	Palm	3, 5, & 6 (unplanned)	Remove	0	0
366	22	Laurel Oak	8 (Park / Perserve)	Keep	0	400
367	14	Laurel Oak	8 (Park / Perserve)	Keep	0	400
368	13	Palm	8 (Park / Perserve)	Keep	0	0
369	21	Laurel Oak	8 (Park / Perserve)	Keep	0	400
370	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
371	13	Camphor	8 (Park / Perserve)	Remove-Invasive	0	0
372	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
373	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
374	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
375	22	Laurel Oak	8 (Park / Perserve)	Keep	0	400
376	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
377	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
378	18	Laurel Oak	8 (Park / Perserve)	Keep	0	400
379	15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
380	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
381	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
382	15, 9	Camphor	8 (Park / Perserve)	Remove-Invasive	0	0
383	14	Laurel Oak	8 (Park / Perserve)	Keep	0	400
384	12, 11	Laurel Oak	8 (Park / Perserve)	Keep	0	400
385	20	Pine	8 (Park / Perserve)	Keep	0	400
386	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
387	15	Pine	8 (Park / Perserve)	Keep	0	400
388	18	Pine	8 (Park / Perserve)	Keep	0	400
389	15	Pine	8 (Park / Perserve)	Keep	0	400
390	22	Pine	8 (Park / Perserve)	Keep	0	400
391	14	Pine	8 (Park / Perserve)	Keep	0	400
392	20	Pine	8 (Park / Perserve)	Keep	0	400
393	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
394	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
395	12, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
396	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
397	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
398	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
399	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
400	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
401	15	Palm	8 (Park / Perserve)	Keep	0	0
402	14	Palm	8 (Park / Perserve)	Keep	0	0
403	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
404	16	Laurel Oak	8 (Park / Perserve)	Keep	0	400
405	16	Pine	8 (Park / Perserve)	Keep	0	400
406	12, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
407	22	Pine	8 (Park / Perserve)	Keep	0	400
408	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
409	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
410	14, 12, 12, 10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
411	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
412	20	Laurel Oak	8 (Park / Perserve)	Keep	0	400
413	19	Laurel Oak	8 (Park / Perserve)	Keep	0	400
414	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
415	18	Laurel Oak	8 (Park / Perserve)	Keep	0	400
416	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
417	15	Pine	8 (Park / Perserve)	Keep	0	400
418	14	Laurel Oak	8 (Park / Perserve)	Keep	0	400
419	15	Pine	8 (Park / Perserve)	Keep	0	400
420	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
421	11	Laurel Oak	8 (Park / Perserve)	Keep	0	400
422	18	Pine	8 (Park / Perserve)	Keep	0	400
423	13, 13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
424	14	Pine	8 (Park / Perserve)	Keep	0	400
425	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
426	20	Pine	8 (Park / Perserve)	Keep	0	400
427	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
428	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
429	20	Pine	8 (Park / Perserve)	Keep	0	400
430	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
431	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
432	8	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
433	9	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
434	16, 14	Laurel Oak	7 (Multi-family)	Remove	9	0
435	28	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
436	22, 20	Laurel Oak	3, 5, & 6 (unplanned)	Remove	12	0
437	32	Laurel Oak	3, 5, & 6 (unplanned)	Remove	9	0
438	24	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
439	20, 20, 12, 12, 12	Laurel Oak	3, 5, & 6 (unplanned)	Remove	15	0
440	28, 18	Laurel Oak	3, 5, & 6 (unplanned)	Remove	15	0
441	24	Laurel Oak	3, 5, & 6 (unplanned)	Remove	0	0
442		omitted			0	0
443	40	Magnolia	1 & 2 (Retail)	Remove	12	0
444	32	Laurel Oak	3, 5, & 6 (unplanned)	Remove	9	0
445		omitted			0	0
446	32	Laurel Oak	1 & 2 (Retail)	Keep	0	400
447	14	Laurel Oak	1 & 2 (Retail)	Keep	0	400
448	20	Laurel Oak	1 & 2 (Retail)	Keep	0	400
449	12	Laurel Oak	1 & 2 (Retail)	Keep	0	400
450	18	Palm	1 & 2 (Retail)	Remove	0	0
451	15	Palm	1 & 2 (Retail)	Remove	0	0
452	18	Palm	1 & 2 (Retail)	Remove	0	0
453	12	Laurel Oak	7 (Multi-family)	Keep	0	400
454	12	Laurel Oak	7 (Multi-family)	Keep	0	400
455	10	Laurel Oak	7 (Multi-family)	Keep	0	400
456	18	Laurel Oak	7 (Multi-family)	Keep	0	400
457	20	Laurel Oak	7 (Multi-family)	Keep	0	400
458	10	Palm	7 (Multi-family)	Keep	0	0
459	28	Laurel Oak	7 (Multi-family)	Keep	0	400
460	40	Laurel Oak	7 (Multi-family)	Keep	0	400
461	28	Laurel Oak	7 (Multi-family)	Keep	0	400
462	28	Laurel Oak	7 (Multi-family)	Remove	0	400
463	24	Palm	7 (Multi-family)	Remove	0	0
464	15	Laurel Oak	7 (Multi-family)	Remove	0	0
465	30	Laurel Oak	7 (Multi-family)	Remove	9	0
466	28	Laurel Oak	7 (Multi-family)	Remove	0	0
467		omitted			0	0
468	12	Laurel Oak	7 (Multi-family)	Remove	0	0

Subtotal Mitigated DBH Inches= 90
Existing Tree Credit SF= 33200

Tree #	DBH	Common Name	Location	Status	Mitigation DBH Inches	Tree Retention SF Credit
469		omitted			0	0
470		omitted			0	0
471		omitted			0	0
472	29	Laurel Oak	7 (Multi-family)	Remove	0	0
473	12	Laurel Oak	7 (Multi-family)	Remove	0	0
474	15	Palm	7 (Multi-family)	Remove	0	0
475	28	Live Oak	7 (Multi-family)	Remove	0	0
476	30	Live Oak	7 (Multi-family)	Remove	9	0
477	32	Live Oak	7 (Multi-family)	Remove	9	0
478	32	Live Oak	7 (Multi-family)	Remove	9	0
479	36	Live Oak	7 (Multi-family)	Remove	12	0
480	32	Live Oak	7 (Multi-family)	Remove	9	0
481	40	Live Oak	7 (Multi-family)	Remove	12	0
482	28	Laurel Oak	7 (Multi-family)	Remove	0	0
483	32	Live Oak	7 (Multi-family)	Remove	9	0
484	32	Live Oak	7 (Multi-family)	Remove	9	0
485	32	Laurel Oak	7 (Multi-family)	Remove	9	0
486	32	Live Oak	7 (Multi-family)	Remove	9	0
487	28	Laurel Oak	7 (Multi-family)	Remove	0	0
488	28	Live Oak	7 (Multi-family)	Remove	0	0
489	34	Laurel Oak	7 (Multi-family)	Remove	9	0
490	28	Laurel Oak	7 (Multi-family)	Remove	0	0
491	26	Laurel Oak	7 (Multi-family)	Remove	0	0
492	26	Laurel Oak	7 (Multi-family)	Remove	0	0
493	26	Laurel Oak	7 (Multi-family)	Remove	0	0
494	28	Laurel Oak	7 (Multi-family)	Remove	0	0
495	n/a (fallen)	Laurel Oak	7 (Multi-family)	Remove	0	0
496	28	Laurel Oak	7 (Multi-family)	Remove	0	0
497	24	Laurel Oak	7 (Multi-family)	Remove	0	0
498	24	Live Oak	7 (Multi-family)	Remove	0	0
499	32	Live Oak	7 (Multi-family)	Remove	9	0
500	18	Live Oak	7 (Multi-family)	Remove	0	0
501	n/a (fallen)	Live Oak	7 (Multi-family)	Remove	0	0
502	32	Laurel Oak	7 (Multi-family)	Remove	9	0
503	32	Laurel Oak	7 (Multi-family)	Remove	9	0
504	40	Laurel Oak	7 (Multi-family)	Remove	12	0
505	40	Live Oak	7 (Multi-family)	Remove	12	0
506	60	Live Oak	7 (Multi-family)	Remove	15	0
507	24	Laurel Oak	7 (Multi-family)	Remove	0	0
508	18	Laurel Oak	7 (Multi-family)	Remove	0	0
509	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
510	12	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
511	20	Pine	Common (Ponds/Entry)	Remove	0	0
512	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
513	8	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
514	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
515	9	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
516	9, 9	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
517	5, 4, 4	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
518	9	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
519	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
520	10, 5	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
521	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
522	14	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
523	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
524	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
525	8	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
526	8	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
527	15	Palm	7 (Multi-family)	Remove	0	0
528	12	Palm	7 (Multi-family)	Remove	0	0
529	16	Laurel Oak	7 (Multi-family)	Remove	0	0
530	13	Palm	7 (Multi-family)	Remove	0	0
531	13	Palm	7 (Multi-family)	Remove	0	0
532	15	Palm	7 (Multi-family)	Remove	0	0
533	12	Palm	7 (Multi-family)	Remove	0	0
534	10	Palm	7 (Multi-family)	Remove	0	0
535	22	Laurel Oak	7 (Multi-family)	Remove	0	0
536	12	Laurel Oak	7 (Multi-family)	Remove	0	0
537	8	Laurel Oak	7 (Multi-family)	Remove	0	0
538	12	Laurel Oak	7 (Multi-family)	Remove	0	0
539	12	Laurel Oak	7 (Multi-family)	Remove	0	0
540	10	Laurel Oak	7 (Multi-family)	Remove	0	0
541	11	Palm	7 (Multi-family)	Remove	0	0
542	12	Palm	7 (Multi-family)	Remove	0	0
543	9	Laurel Oak	7 (Multi-family)	Remove	0	0
544	22	Laurel Oak	7 (Multi-family)	Remove	0	0
545	22	Laurel Oak	7 (Multi-family)	Remove	0	0
546	20	Laurel Oak	7 (Multi-family)	Remove	0	0
547	8	Laurel Oak	7 (Multi-family)	Keep	0	400
548	9	Laurel Oak	7 (Multi-family)	Keep	0	400
549	13	Laurel Oak	7 (Multi-family)	Keep	0	400
550	24, 24	Laurel Oak	7 (Multi-family)	Keep	0	400
551	10	Laurel Oak	7 (Multi-family)	Keep	0	400
552	13	Laurel Oak	7 (Multi-family)	Keep	0	400
553	15	Laurel Oak	7 (Multi-family)	Keep	0	400
554	12	Laurel Oak	7 (Multi-family)	Keep	0	400
555	8	Laurel Oak	7 (Multi-family)	Keep	0	400
556	13	Laurel Oak	7 (Multi-family)	Remove	0	0
557	17	Camphor	7 (Multi-family)	Remove-Invasive	0	0
558	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
559	13	Camphor	7 (Multi-family)	Remove-Invasive	0	0
560	8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
561	15	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
562	18	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
563	15	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
564	18	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
565	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
566	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
567	15, 15	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
568	18	Pine	Common (Ponds/Entry)	Keep	0	400
569	20	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
570	22	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
571	15	Pine	Common (Ponds/Entry)	Remove	0	0
572	18	Pine	Common (Ponds/Entry)	Remove	0	0
573	12	Palm	Common (Ponds/Entry)	Remove	0	0
574	10	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
575	9	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
576	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
577	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
578	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
579	20	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
580	10, 8, 8, 8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
581	12, 10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
582	10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
583	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
584	18	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
585	8	Camphor	7 (Multi-family)	Remove-Invasive	0	0
586	40	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
587	12	Palm	Common (Ponds/Entry)	Remove	0	0
588	10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
589	10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
590	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
591	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
592	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
593	10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
594	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
595	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
596	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
597	8	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
598	20	Laurel Oak	8 (Park / Perserve)	Keep	0	400
599	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
600	10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
601	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
602	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
603	15	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
604	13	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
605	10	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
606	13, 6	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
607	10	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
608	14	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
609	9	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
610	24	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
611	23, 20	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
612	26, 17, 8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
613	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
614	14, 13, 12, 10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
615	10	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
616	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
617	8, 8	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
618	18	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
619	18	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
620	12	Pine	Common (Ponds/Entry)	Keep	0	400
621	15	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
622	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
623	12	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
624	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400

Subtotal Mitigated DBH Inches= 171
Existing Tree Credit SF= 16400

Tree #	DBH	Common Name	Location	Status	Mitigation DBH Inches	Tree Retention SF Credit
625	15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
626	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
627	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
628	8	Pine	8 (Park / Perserve)	Keep	0	400
629	8	Pine	8 (Park / Perserve)	Keep	0	400
630	14	Pine	8 (Park / Perserve)	Keep	0	400
631	19	Laurel Oak	8 (Park / Perserve)	Keep	0	400
632	14	Pine	8 (Park / Perserve)	Keep	0	400
633	14	Pine	8 (Park / Perserve)	Keep	0	400
634	14	Pine	8 (Park / Perserve)	Keep	0	400
635		omitted			0	0
636	15	Pine	8 (Park / Perserve)	Keep	0	400
637	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
638	12	Pine	8 (Park / Perserve)	Keep	0	400
639	17	Laurel Oak	8 (Park / Perserve)	Keep	0	400
640	18	Laurel Oak	8 (Park / Perserve)	Keep	0	400
641	12, 6	Laurel Oak	8 (Park / Perserve)	Keep	0	400
642	18	Pine	8 (Park / Perserve)	Keep	0	400
643	22	Pine	8 (Park / Perserve)	Keep	0	400
644	9	Camphor	8 (Park / Perserve)	Remove-Invasive	0	0
645	18	Pine	8 (Park / Perserve)	Keep	0	400
646	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
647	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
648	17	Laurel Oak	8 (Park / Perserve)	Keep	0	400
649	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
650	20	Laurel Oak	8 (Park / Perserve)	Keep	0	400
651	20	Laurel Oak	8 (Park / Perserve)	Keep	0	400
652	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
653	19	Laurel Oak	8 (Park / Perserve)	Keep	0	400
654	18	Laurel Oak	8 (Park / Perserve)	Keep	0	400
655	16	Pine	8 (Park / Perserve)	Keep	0	400
656	20	Pine	8 (Park / Perserve)	Keep	0	400
657	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
658	18	Pine	8 (Park / Perserve)	Keep	0	400
659	22	Pine	8 (Park / Perserve)	Keep	0	400
660	18	Pine	8 (Park / Perserve)	Keep	0	400
661	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
662	18	Pine	8 (Park / Perserve)	Keep	0	400
663	18	Pine	8 (Park / Perserve)	Keep	0	400
664	20	Pine	8 (Park / Perserve)	Keep	0	400
665	19	Pine	8 (Park / Perserve)	Keep	0	400
666	20	Pine	8 (Park / Perserve)	Keep	0	400
667	15	Pine	8 (Park / Perserve)	Keep	0	400
668	15	Pine	8 (Park / Perserve)	Keep	0	400
669	16	Pine	8 (Park / Perserve)	Keep	0	400
670	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
671	13	Pine	8 (Park / Perserve)	Keep	0	400
672	14	Pine	8 (Park / Perserve)	Keep	0	400
673	19	Laurel Oak	8 (Park / Perserve)	Keep	0	400
674	9, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
675	17, 15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
676	15	Pine	8 (Park / Perserve)	Keep	0	400
677	13	Pine	8 (Park / Perserve)	Keep	0	400
678	12	Pine	8 (Park / Perserve)	Keep	0	400
679	10	Pine	8 (Park / Perserve)	Keep	0	400
680	17	Pine	8 (Park / Perserve)	Keep	0	400
681	20	Laurel Oak	8 (Park / Perserve)	Keep	0	400
682	20	Pine	8 (Park / Perserve)	Keep	0	400
683	20	Pine	8 (Park / Perserve)	Keep	0	400
684	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
685	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
686	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
687	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
688	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
689	11	Laurel Oak	8 (Park / Perserve)	Keep	0	400
690	15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
691	10, 10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
692	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
693	22	Laurel Oak	8 (Park / Perserve)	Keep	0	400
694	16	Laurel Oak	8 (Park / Perserve)	Keep	0	400
695	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
696	13	Palm	8 (Park / Perserve)	Keep	0	0
697	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
698	12	Palm	8 (Park / Perserve)	Keep	0	0
699	14	Palm	8 (Park / Perserve)	Keep	0	0
700	17	Laurel Oak	8 (Park / Perserve)	Keep	0	400
701	18	Laurel Oak	8 (Park / Perserve)	Keep	0	400
702	18, 15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
703	20, 17, 14	Laurel Oak	8 (Park / Perserve)	Keep	0	400
704	14	Laurel Oak	8 (Park / Perserve)	Keep	0	400
705	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
706	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
707	23	Pine	8 (Park / Perserve)	Keep	0	400
708	13	Pine	8 (Park / Perserve)	Keep	0	400
709	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
710	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
711	15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
712	14	Laurel Oak	8 (Park / Perserve)	Keep	0	400
713	22	Pine	8 (Park / Perserve)	Keep	0	400
714	18	Laurel Oak	8 (Park / Perserve)	Keep	0	400
715	21	Pine	8 (Park / Perserve)	Keep	0	400
716	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
717	21	Pine	8 (Park / Perserve)	Keep	0	400
718	15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
719	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
720	17	Pine	8 (Park / Perserve)	Keep	0	400
721	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
722	17	Pine	8 (Park / Perserve)	Keep	0	400
723	20	Pine	8 (Park / Perserve)	Keep	0	400
724	22	Pine	8 (Park / Perserve)	Keep	0	400
725	23	Pine	8 (Park / Perserve)	Keep	0	400
726	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
727	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
728	15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
729	15	Pine	8 (Park / Perserve)	Keep	0	400
730	13, 6	Laurel Oak	8 (Park / Perserve)	Keep	0	400
731	15	Pine	8 (Park / Perserve)	Keep	0	400
732	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
733	23	Laurel Oak	8 (Park / Perserve)	Keep	0	400
734	15	Pine	8 (Park / Perserve)	Keep	0	400
735	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
736	16	Laurel Oak	8 (Park / Perserve)	Keep	0	400
737	24	Pine	8 (Park / Perserve)	Keep	0	400
738	14	Pine	8 (Park / Perserve)	Keep	0	400
739	11	Laurel Oak	8 (Park / Perserve)	Keep	0	400
740	22	Laurel Oak	8 (Park / Perserve)	Keep	0	400
741	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
742	13	Camphor	8 (Park / Perserve)	Remove-Invasive	0	0
743	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
744		Laurel Oak	8 (Park / Perserve)	Keep	0	400
745	15	Laurel Oak	8 (Park / Perserve)	Keep	0	400
746	13, 12, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
747	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
748	22	Pine	8 (Park / Perserve)	Keep	0	400
749	15	Pine	Common (Ponds/Entry)	Remove	0	0
750	10	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
751	23	Pine	Common (Ponds/Entry)	Keep	0	400
752	20	Pine	Common (Ponds/Entry)	Keep	0	400
753	16	Pine	Common (Ponds/Entry)	Keep	0	400
754	9	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
755	13	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
756	20	Pine	Common (Ponds/Entry)	Remove	0	0
757	14	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
758	16	Pine	Common (Ponds/Entry)	Keep	0	400
759	12	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
760	12	Laurel Oak	Common (Ponds/Entry)	Remove	0	0
761	22	Laurel Oak	Common (Ponds/Entry)	Keep	0	400
762	8	Laurel Oak	Common (Ponds/Entry)	Remove	0	400
763	14	Pine	Common (Ponds/Entry)	Remove	0	400
764	16	Pine	Common (Ponds/Entry)	Remove	0	400
765	10	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
766	9	Camphor	Common (Ponds/Entry)	Remove-Invasive	0	0
767	12, 12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
768	13	Laurel Oak	8 (Park / Perserve)	Keep	0	400
769	18, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
770	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
771	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
772	18	Pine	8 (Park / Perserve)	Keep	0	400
773	18	Pine	8 (Park / Perserve)	Keep	0	400
774	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
775	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
776	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
777	10	Camphor	8 (Park / Perserve)	Remove-Invasive	0	0
778	11	Laurel Oak	8 (Park / Perserve)	Keep	0	400
779	12, 12, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
780	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400

Subtotal Mitigated DBH Inches= 0
Existing Tree Credit SF= 56400

Tree #	DBH	Common Name	Location	Status	Mitigation DBH Inches	Tree Retention SF Credit
781	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
782	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
783	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
784	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
785	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
786	18, 18, 14, 10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
787	20, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
788	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
789	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
790	10, 10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
791	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
792	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
793	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
794	11	Laurel Oak	8 (Park / Perserve)	Keep	0	400
795	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
796	14, 10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
797	13, 7, 6	Laurel Oak	8 (Park / Perserve)	Keep	0	400
798	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
799	10	Laurel Oak	8 (Park / Perserve)	Keep	0	400
800	12, 6	Laurel Oak	8 (Park / Perserve)	Keep	0	400
801	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
802	8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
803	9	Laurel Oak	8 (Park / Perserve)	Keep	0	400
804	10, 8	Laurel Oak	8 (Park / Perserve)	Keep	0	400
805	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
806	12	Laurel Oak	8 (Park / Perserve)	Keep	0	400
807	32	Live Oak	7 (Multi-family)	Remove	9	0
808	32	Live Oak	7 (Multi-family)	Remove	9	0
809	18	Palm	7 (Multi-family)	Remove	0	0
810	18	Laurel Oak	7 (Multi-family)	Remove	0	0
811	34	Laurel Oak	7 (Multi-family)	Keep	9	400

Subtotal Mitigated DBH Inches= 27
Existing Tree Credit SF= 10800

Total Mitigated DBH Inches= 579
Total Retention SF Credit= 151200

Date:	05/20/16
Drawn by:	JH
Reviewed by:	JH
Job Number:	21606

Revision:	Date:

MAITLAND CONCOURSE NORTH
Maitland, Florida

Related Development, LLC
Client Address

DIX.HITE + PARTNERS
150 W. JESSUP AVENUE
LONGWOOD, FLORIDA
TEL 407.667.1777
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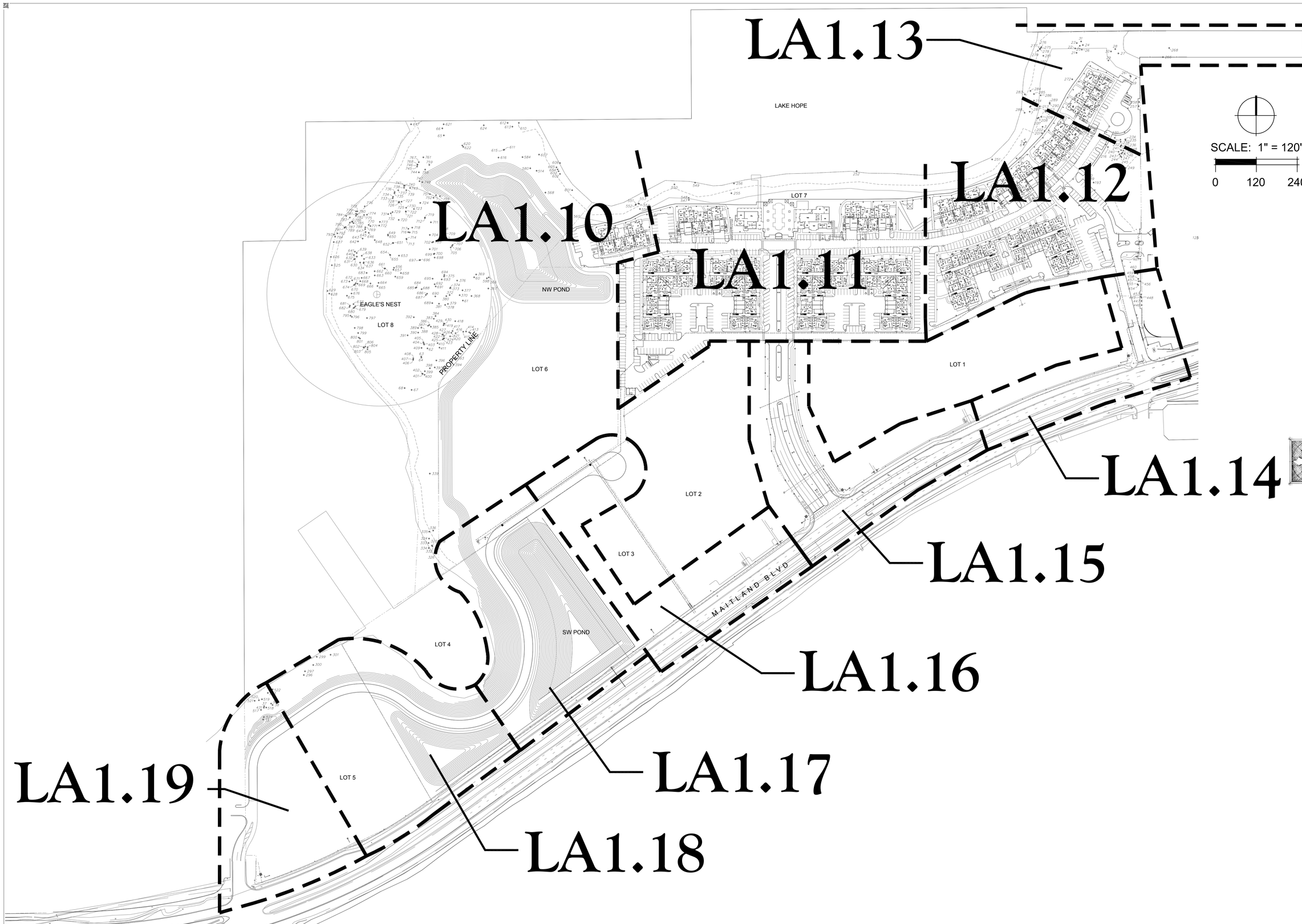
CODE LANDSCAPE PLANS
Existing Tree Tabulation/Mitigation

Sheet Number:
LA1.05



Date:	5/20/2016
Drawn by:	PC
Reviewed by:	JW
Job Number:	21606

Revision:	Date:

MAITLAND CONCOURSE NORTH
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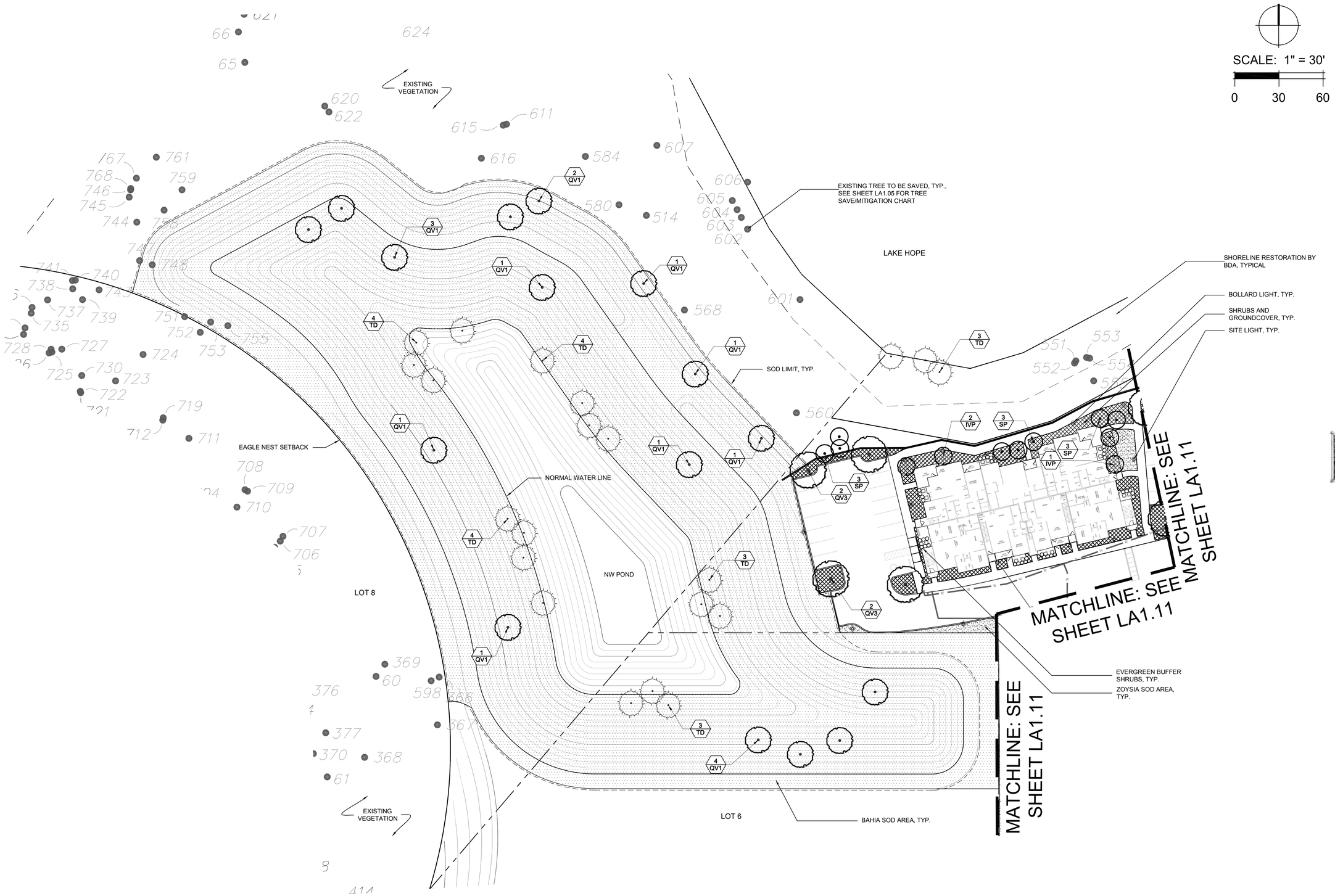
CODE LANDSCAPE PLANS

Key Sheet

Sheet Number:
LA1.06

06/17/2016 2:51pm H:\work\Clients\Related Development, LLC\Maitland Concourse North Common Areas\AutoCAD\Sheet Files\Code Landscape\X-Code.dwg,LA1.06, jholden



Date:	5/20/2016
Drawn by:	PC
Reviewed by:	JW
Job Number:	21606

Revision:	Date:

MAITLAND CONCOURSE NORTH

Maitland, Florida

Related Development, LLC.

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CODE LANDSCAPE PLANS

Code Landscape Plan A

Sheet Number:

LA1.10

06/17/2016 2:52pm H:\work\Clients\Related Development, LLC\Maitland Concourse North Common Areas\AutoCAD\Sheet Files\Code Landscape\X-Code.dwg,LA1.10, jholden