LAKE ASHTON COMMUNITY DEVELOPMENT DISTRICT 1 ROADWAY IMPROVEMENTS

OWNER / DEVELOPER

LAKE ASHTON COMMUNITY DEVELOPMENT DISTRICT 1 (LACDD1)

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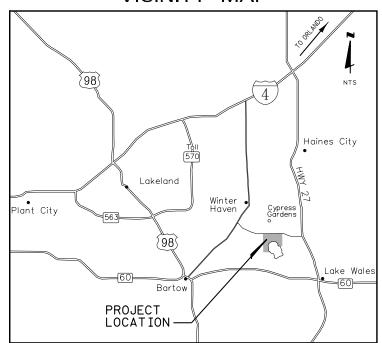
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VICINITY MAP



INDEX OF DRAWINGS DWG. NO. DRAWING TITLE G100 COVER AND INDEX OF DRAWINGS G101 GENERAL NOTES AND PAY ITEM LIST C100 OVERALL SITE PLAN C101-103 ROADWAY REPAIR PLAN C110-1111 DETAILS

PREPARED BY

ENGINEERING * PLANNING * ARCHITECTURE

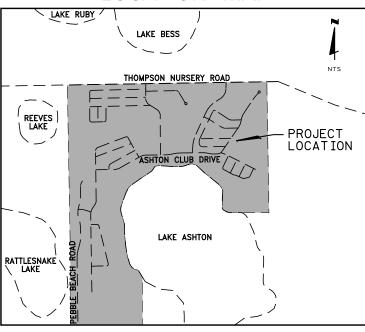
482 SOUTH KELLER ROAD

ORLANDO, FLORIDA 32810

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MARCH 11, 2011

LOCATION MAP



9 8 6 5 4 3 2 **GENERAL** MAINTENANCE OF TRAFFIC **EROSION CONTROL** ALL REQUIRED EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE CONTRACTOR SHALL PREPARE A PROJECT SPECIFIC TEMPORARY TRAFFIC CONTROL PLAN (TCP) THAT CONFORMS TO THE REQUIREMENTS OF THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009) PROVIDE EROSION AND SEDIMENTATION CONTROL MEASURES UTILIZING INDUSTRY STANDARD BEST MANAGEMENT PRACTICES TO AVOID ADVERSE IMPACTS TO OFF SITE LANDS AND WATER BODIES. MAINTAIN THESE MEASURES DAILY UNTIL CONSTRUCTION THE LOCATION OF ALL EXISTING UTILITIES AND DRAINAGE STRUCTURES SHOWN ARE BASED ON AVAILABLE INFORMATION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD LOCATE ALL EXISTING FACILITIES WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. OF THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009) AND THE FDOT DESIGN STANDARDS (2010) INCLUDING CURRENT REVISIONS AND ADDENDA. THE TCP SHALL BE PREPARED AND SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL WITHIN TEN WORKING DAYS AFTER RECEIVING A NOTICE TO PROCEED. NO WORK SHALL OCCUR WITHOUT AN APPROVED TCP. THE COST FOR PREPARING THE TCP SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR MAINTENANCE OF TRAFFIC PAY ITEM 102-1. ACCEPTANCE BY THE OWNER AND THEN REMOVE AND LEGALLY DISPOSE OF SAID MEASURES. CONTRACTOR TO PROVIDE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) TO ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION ALL ROADWAY CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2008. ACTIVITIÉS. CONTRACTOR TO HAVE SWPPP ON SITE AT ALL TIMES. ALL STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND AND DEBRIS DURING CONSTRUCTION. MAINTAIN THESE MEASURES DAILY (WHICH MAY INCLUDE FULL REPLACEMENT) TO MINIMIZE SILT ACCUMULATION IN THE STORM DRAINAGE SYSTEM. ANY ACCUMULATION WITHIN THE STORM DRAINAGE PIPE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING INTO THE PONDS. STORM DRAINAGE SYSTEM SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO CONSTRUCTION MANAGER'S ACCEPTANCE. CONTRACTOR SHALL MAINTAIN DAILY RECORD DRAWINGS INCLUDING DATA RELATED TO ALL SURFACE FEATURES AT ALL TIMES DURING CONSTRUCTION. RECORD DRAWING INFORMATION SHALL INCLUDE (AT A MINIMUM) HORIZONTAL LOCATIONS AND INVERT ELEVATIONS, AND CLEARANCE DISTANCES BETWEEN PIPE CROSSINGS (AND TOP ELEVATION THE TCP SHALL INCLUDE TEMPORARY TRAFFIC CONTROL MEASURES OUTSIDE THE GATED ENTRANCE ON LAKE ASHTON BOULEVARD AS REQUIRED FOR LANE CLOSURES ON LAKE ASHTON BOULEVARD. ELEVATIONS, AND CLEARANCE DISTANCES BETWEEN FIFE CROSSINGS (AND TOP ELEVATION IF APPLICABLE) OF ALL DRAINAGE AND UTILITY PIPE SYSTEMS INCLUDING IRRIGATION SLEEVES AND MATERIALS AND SIZES OF ALL DRAINAGE AND UTILITY FEATURES. INFORMATION SHALL BE LEGIBLY HAND WRITTEN ON THE MOST CURRENT SET OF CONSTRUCTION DRAWINGS, AS WELL AS TYPE WRITTEN IN TABLLAR FORMAT. UPON COMPLETION OF THE PROJECT SUBMIT ONE COMPLETE SET OF RECORD DRAWINGS CERTIFIED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES CALLED FOR IN THE APPROVED TCP BEFORE BEGINNING THE ASSOCIATED WORK. PROVIDE ADDITIONAL TRAFFIC CONTROL DEVICES AS CONDITIONS WARRANT AS DIRECTED BY THE ENGINEER. THE LUMP SUM BID PRICE FOR MAINTENANCE OF TRAFFIC PAY ITEM 102-1 SHALL INCLUDE PROVIDING, NO DISCHARGE OF CONTAMINANTS INTO ADJACENT WETLANDS, WATER BODIES, OR UPLAND BUFFERS WILL BE PERMITTED AT ANY TIME. DAMAGE TO WETLANDS AND/OR UPLAND BUFFERS ADJACENT TO CONSTRUCTION AREAS SHALL BE PREVENTED BY DELINEATING THE LIMITS OF CONSTRUCTION, AND INSTALLING SEDIMENT BARRIERS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THEREBY RETAINING SEDIMENT WITHIN THE CONSTRUCTION AREA. CONTRACTORS WILL BE REQUIRED TO ADEQUATELY MAINTAIN THESE PROTECTION MEASURES AT ALL TIMES. CONSTRUCTION SITE ACCESS SHALL BE VIA THOMPSON NURSERY ROAD (C.R. 540A). MAINTAINING, INSTALLING AND REMOVING ALL TEMPORARY TRAFFIC CONTROL DEVICES. THE ACCESS TO AND FROM THE SITE MAY, FROM TIME TO TIME, CHANGE AT THE DIRECTION OF THE OWNER. CONTRACTOR TO MAINTAIN, AT NO EXPENSE TO THE OWNER, ALL NECESSARY ROADS FOR HAULING THE EXCAVATED MATERIAL. CONTRACTOR TO REMOVE AND HAUL EXCESS MATERIAL FROM SITE. IN THE EVENT OF ACCIDENTS, SEVERE WEATHER CONDITIONS OR OTHER UNFORESEEN EMERGENCYIES, THE CONTRACTOR SHALL ADJUST OR REMOVE TRAFFIC CONTROL DEVICES AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE COST FOR REMOVING AND RESTORING THE TCP ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEWATERING DISCHARGE, SHALL MEET STATE WATER QUALITY STANDARDS (LESS THAN 29 NTU ABOVE BACKGROUND) PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLANDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMAIN IN COMPLIANCE WITH THE FDEP GENERAL PERMIT TO DISCHARGE PRODUCED GROUNDWATER OFFSITE. EVERYONE PRESENT AT THE SITE MUST ABIDE BY OSHA AND JOB SAFETY REGULATIONS BE INCLUDED IN THE LUMP SUM PRICE FOR MAINTENANCE OF TRAFFIC PAY ITEM 102-1. CONTRACTOR TO PROVIDE A SCHEDULE OF PROPOSED CONSTRUCTION TO THE OWNER AND ENGINEER PRIOR TO COMMENCING ACTIVITIES. THE CONTRACTOR SHALL NOT CLOSE LANES ON DUNMORE DRIVE AT THE EROSION AND DUST CONTROL SHALL BE MAINTAINED WITHIN CONSTRUCTION AREAS BY QUICKLY STABILIZING DISTURBED AREAS TO PREVENT THE RELEASE OF SEDIMENT. SAME TIME LANES ARE CLOSED ON LAKE ASHTON BOULEVARD. ON LAKE ASHTON BOULEVARD, COMPLETE RECONSTRUCTION OF THE NORTHBOUND ROADWAY BEFORE STARTING THE SOUTHBOUND ROADWAY. **GEOTECHNICAL INFORMATION ROADWAY** A REVISION TO THE TCP SHALL BE PREPARED FOR ANY LANE OR ROAD CLOSURE(S) REQUIRED FOR THE PROJECT THAT ARE NOT INCLUDED IN THE APPROVED TCP. THE TCP REVISION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WORKING DAYS 1. EXISTING PAVEMENT AND GROUNDWATER TABLE INFORMATION WAS OBTAINED FROM: SAWCUT EXISTING PAVEMENT AT THE CONNECTIONS TO THE EXISTING ROADWAYS TO FORM A STRAIGHT PAVEMENT JOINT. - FLORIDA TESTING & ENVIRONMENTAL, INC. (FTE) REPORT, "PAVEMENT EVALUATION ALL CURBS (EXISTING OR NEW) SHALL BE PROTECTED FROM CONSTRUCTION DAMAGE. ALL CHIPPED OR CRACKED PORTIONS OF CURB SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER. IN ADDITION, ANY MORTAR, CONCRETE, SOIL AND OTHER DEPOSITS OR STAINS SHALL BE CLEANED TO RETURN THE CURBS TO THEIR ORIGINAL CONDITION OR BETTER. REPORT-EXISTING LAKE ASHTON PROJECT" DATED AUGUST 4, 2008. BEFORE THE DATE THE CLOSURE IS NEEDED FOR THE WORK. NO WORK SHALL OCCUR WITHOUT AN APPROVED TCP REVISION. THE COST FOR PREPARING THE TCP REVISION SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR MAINTENANCE OF TRAFFIC PAY ITEM 102-1. - "SUBSURFACE SOIL EXPLORATION - PHASE I, EMMER DEVELOPMENT CORPORATION" ARDAMAN & ASSOCIATES, DATED APRIL 5, 1985. ROAD CLOSURES SHALL BE COORDINATED WITH THE AUTHORIZED LAKE ASHTON HOMEOWNER?S ASSOCIATION REPRESENTATIVE AND THE ENGINEER. THE COST FOR THIS COORDINATION, BROCHURES, FLYERS AND DOOR HANGERS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR MAINTENANCE OF TRAFFIC PAY ITEM 102-1. DIMENSIONS OF MIAMI CURB ARE TO MATCH EXISTING MIAMI CURB. UPON COMPLETION OF FINAL ASPHALT PAVING, TOOL AND CLEAN ALL MANHOLE AND VALVE COVERS OF DIRT. DEBRIS AND ASPHALT. ALL MANHOLE AND VALVE COVERS SHALL BE CLEAN AND OPERABLE PRIOR TO CONSTRUCTION MANAGER'S ACCEPTANCE.

- 5. QUANTITIES FOR ASPHALT REMOVAL IN SECTIONS OF FULL DEPTH ROADWAY REPAIR ARE INCLUDED UNDER CLEARING AND GRUBBING PAY ITEM 0110-2-1.
- 6. THE SIZE AND WEIGHT OF THE EQUIPMENT USED FOR MILLING ASHPHALT CONCRETE PAVEMENT SHALL BE SELECTED TO AVOID CRACKING OF THE EXISTING ASPHALT PAVEMENT THAT WILL REMAIN AFTER MILLING. ANY AREAS WHERE THE REMAINING ASPHALT PAVEMENT HAS BEEN CRACKED OR LOOSENED BY THE MILLING OPERATION SHALL BE REMOVED AND REPLACED WITH NEW TYPE SP ASPHALTIC CONCRETE. THE SURFACE ELEVATION SHALL MATCH THE MILLIED SURFACE AT NO ADDITIONAL COST TO THE OWNER.
- PREPARE A PROJECT CONSTRUCTION PLAN BROCHURE OR FLYER FOR DISTRIBUTION TO THE RESIDENTS IN LAKE ASHTON. THE PROJECT CONSTRUCTION PLAN WILL LIST THE DATES ROADWAYS WILL BE CLOSED TO TRAFFIC AND ILLUSTRATE THE CLOSED ROAD, THE ALTERNATE ACCESS ROUTE AND TEMPORARY ON—STREET PARKING LOCATIONS FOR EACH ROAD CLOSURE. COORDINATE THE ALTERNATE ROUTES AND TEMPORARY ON—STREET PARKING LOCATIONS WITH THE AUTHORIZED LAKE ASHTON HOMEOWNER?S ASSOCIATION REPRESENTATIVE AND THE ENGINEER.
- b. TWO WORKING DAYS BEFORE ANY ROAD CLOSURE, DISTRIBUTE A DOOR—HANGER CARD TO ALL RESIDENCES WITHIN THE SECTION OF ROAD TO BE CLOSED INDICATING THE EXPECTED DATE(S) AND TIMES OF THE BEGINNING AND END OF THE ROAD CLOSURE. COORDINATE DISTRIBUTION OF THE DOOR HANGERS WITH THE AUTHORIZED LAKE ASHTON HOMEOWNER?S ASSOCIATION REPRESENTATIVE AND THE ENGINEER.

PAY ITEM LIST

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY (BY ROADWAY)						QUANTITY TOTAL
			LAKE ASHTON BLVD.	ASHTON CLUB DR.	TURNBERRY LANE	STRATHMORE DR.	TROON LANE	DUNMORE DR.	T IOIAL
0101-1	MOBILIZATION	LS							1
0102-1	MAINTENANCE OF TRAFFIC	LS							1
0104-10-3	SEDIMENT BARRIER	LF	3,800	508	40	_	20	2,574	6,942
0104-18	INLET PROTECTION SYSTEM	EA	13	4	14	12	2	8	53
0110-2-1	CLEARING AND GRUBBING	AC	1.29	0.05	_	_	_	_	1.35
0110-4	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	42	21	14	_	4	_	82
0120-1	REGULAR EXCAVATION	CY	128	114	_	_	_	_	242
0160-4	STABILIZATION (8")	SY	295	265	_	_	_	_	560
0210-1-1	REWORKING LIMEROCK BASE (6")	SY	5,893	256	_	_	_	_	6,149
0285-704	OPTIONAL BASE GROUP 4 (LIMEROCK) (LBR 100)	SY	295	265	_	_	_	_	560
0327-70-19	MILLING EXISTING ASPH PAVT (3/4")	SY	_	_	_	_	_	4,539	4,539
0334-1-12	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)	TN	512	43	_	_	_	250	805
0350-1-1	PLAIN CEMENT CONCRETE PAVEMENT (6")	SY	_	_	5	_	_	_	5
0520-1-10	CONCRETE CURB & GUTTER (TYPE F)	LF	10	_	_	_	_	_	10
0520-1-8	CONCRETE CURB & GUTTER (SPECIAL, MIAMI)	LF	180	95	40	_	20	10	345
0526-1-1	PAVERS (ARCHITECTURAL, ROADWAY)	SY	19	_	_	_	_	_	19
0570-1-2	PERFORMANCE TURF, SOD	SY	1,075	59	-	_	_	763	1,897
_	HOT POUR ASPHALT SEALANT (RC-70)	LF	_	_	7,128	6,029	_	_	13,157
-	THIN LIFT PAVING (3/4")	SY	_	_	4,882	4,212		_	9,094
_	STRIP DRAIN	LF.	3,628	199	_	_	_	2,574	6,401

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