ORANGE COUNTY GOVERNMENT
FLORIDA

CONSTRUCTION PLANS FOR

HOLDEN AVENUE (PHASE I)

JOHN YOUNG PARKWAY TO ORANGE BLOSSOM TRAIL (US 441)

DISTRICT NO. 6
ORANGE COUNTY, FLORIDA

PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLAN PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP MAY HAVE CHANGED SINCE THE PROJECT DESIGN. THE COUNTY'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVE. CONTRACTOR WILL WORK WITH THE COUNTY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY HAVE CHANGED SINCE PLANS PREPARATION.

SEC.	TWP.	RGE.	SEC.	TWP.	RGE.	SEC.	TWP.	RGE.
8	23S	29E	10	23S	29E	11	23S	29E
15	23S	29E	15	23S	29E	14	23S	29E

LOCATION MAP

UTILITIES ENCOUNTERED

WASTEWATER ORANGE COUNTY UTILITIES	(407) 836-7271
WATER ORLANDO UTILITIES COMMISSION	(407) 236-9651
NATURAL GAS PEOPLES GAS	(407) 426-2678
TELEPHONE, FIBER OPTIC BELL SOUTH AT&T (FEA)	(407) 273-5084 (407) 578-8000
ELECTRIC DISTRIBUTION & TRANSMISSION ORLANDO UTILITIES COMMISSION	(407) 849-4449
CABLE TV BRIGHT HOUSE NETWORKS	(407) 832-8500

FLORIDA DEPARTMENT OF TRANSPORTATION, ROADWAY AND TRAFFIC DESIGN STANDARDS JANUARY 2004

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

BEGIN CONSTRUCTION STA. 10+82.14

VICINITY MAP
N.T.S.

END CONSTRUCTION STA. 76+06.59

TYPE OF CONSTRUCTION: FOUR LANE URBAN DIVIDED
PROJECT LENGTH: 6,524.45 FT. 1.236 MI.

NOTE: LENGTH MEASURED ALONG CENTERLINE OF CONSTRUCTION

SOURCE OF BENCH MARK DATUM

L-899-019 FND 4"x4" CMON WITH 3.5" BRASS DISC SURVEY DISK STAMPED 75/88/A SOUTH 30 FT +/- NORTH OF BULLHOSE OF ISLAND NORTH OF C.S. P.T. OF JOHN YOUNG PARKWAY AND NELLENA BLVD.
ELEV. 95.058

C-599-002 RED "X" CUT IN SW CORNER OF SW CORNER OF SIDEWALK ON WEST SIDE OF HEIFERD DRIVE AND HOLDEN AVENUE
ELEV. 106.820

LEGEND:

SECTION LINE
CITY LINE
BASE OR SURVEY LINE
RIGHT OF WAY
LIMITED ACCESS LINE
FENCE LINE
BOX CULVERT
BRIDGE
STORM SEWER INLET
MANHOLE
SURVEY REFERENCE POINT
BENCH MARK
POINT OF INTERSECTION
NORTH POINT
BASE LINE
CENTERLINE
PROPERTY LINE
DELTA ANGLE
APPROXIMATE
ROUND
CURB
CURB AND GUTTER
EXISTING EDGE OF PAVEMENT
HEDGE
TREES
EDGE OF WOODED AREA
CONCRETE
RATE OF SUPERELEVATION
POWER POLE
OVERHEAD POWER CABLE
TELEPHONE POLE
OVERHEAD TELEPHONE POLE
GUY WIRE AND ANCHOR PIN
BURIED POWER CABLE
ELECTRIC DUCT
BURIED TELEPHONE CABLE
TELEPHONE DUCT
LIGHT POLE
GAS MAIN
WATER MAIN
SANITARY SEWER
MANHOLE
VALVE
FIRE HYDRANT
UNDERGROUND CABLE TELEVISION
OVERHEAD CABLE TELEVISION

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PREPARED BY:

LOCHRANE
ENGINEERS • SURVEYORS
CERTIFICATE OF AUTHORIZATION NO.6956

REVISIONS	DATE	BY
REVISED SHEET NUMBERS WALL PLANS	4/18/13	TAA
REVISED COMMISSIONER NAMES		
DELETED SHEET 60	11/03/16	TAA

FINAL PLANS UPDATE
FEBRUARY, 2017

BOARD OF COUNTY COMMISSIONERS

TERESA JACOBS	COUNTY MAYOR
S. SCOTT BOYD	DISTRICT 1
FREDERICK C. BRUMMER	DISTRICT 2
PETE CLARKE	DISTRICT 3
JENNIFER THOMPSON	DISTRICT 4
TED EDWARDS	DISTRICT 5
TIFFANY MOORE RUSSELL	**DISTRICT 6**
MARK V. MASSARO, P.E.	DIRECTOR OF PUBLIC WORKS

CERTIFICATION TO PLANS

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 335.045(1) OF THE FLORIDA STATUTES.

DATE: _____ ENGINEER: THOMAS C. LOCHRANE REG. NO. 20111

DESIGNED BY:	PMA	DATE: 04/04
CHECKED BY:	MEW	DATE: 04/04
DRAWN BY:	TAA	DATE: 04/04
APPROVED BY:	TCL	DATE: 08/07
PROJECT NO.	02076.40	

SHEET 1 OF 266

HOLDEN AVENUE PHASE I CIP #3045

STRUCTURE ID NO.	DESIGN FLOOD (2-YR. FREQ.)		BASE FLOOD (50-YR. FREQ.)		GREATEST FLOOD (100-YR. FREQ.)			
	DISCHARGE	STAGE	DISCHARGE	STAGE	DISCHARGE	STAGE	%PROB.	FREQ.
WP2-WP3	44.58	94.51	56.3	94.7	94.74	95.69	0.44%	225 YR.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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FLORIDA

DRAINAGE MAP
HOLDEN AVENUE

SHEET NO. 6

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NOTE:
THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND (CFS) AND STAGES ARE IN FEET, NGVD 1929 OR NAVD 88, AS APPROPRIATE.

STRUCTURE NO.	DESIGN FLOOD 2%PROB. 50YR. FREQ.		BASE FLOOD 1%PROB. 100YR. FREQ.		GREATEST FLOOD			
	DISCHARGE	STAGE	DISCHARGE	STAGE	DISCHARGE	STAGE	PROB.	FREQ.
BOX CULVERT	25.50	94.51	30.65	94.52	294	96.91	0.00%	500 YR. +

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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HOLDEN AVENUE DRAINAGE MAP

SHEET NO. 7

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HOLDEN AVENUE DRAINAGE MAP

SHEET NO. 8

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DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

SCALE: 1"=200' HORIZ. 1"=10' VERT.

NOTE:
THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND (CFS) AND STAGES ARE IN FEET, NGVD, 1929 OR NAVD 88, AS APPROPRIATE.

STRUCTURE NO.	DESIGN FLOOD (X%PROB. 50YR. FREQ.		BASE FLOW (X%PROB. 100YR. FREQ.		GREATEST FLOOD			
	DISCHARGE	STAGE	DISCHARGE	STAGE	DISCHARGE	STAGE	PROB.	FREQ.
TEX-1/TEX-2	24.50	94.89	30.18	95.09	37.00	95.38	0.56%	180 YR.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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TEXAS AVENUE DRAINAGE MAP

SHEET NO. 9

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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RIO GRANDE AVENUE DRAINAGE MAP

SHEET NO. 10

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Legend

134 - Multiple Dwelling Units, High Rise
534 - Reservoirs < 10 Ac.
619 - Exotic Wetland Hardwoods
831 - Electric Power Facilities

Proposed Right-of-Way Limits
Wetland Impacts
10.514 +/- ac.

Notes:
** Land Use delineation based on aerial photointerpretation and groundtruthing. All acreages are approximate. This is not a survey.
** Classification based on Florida Land Use, Cover and Forms Classification System (FLUCFCS), FDOT, 1999.
** Wetland delination has been verifed by the USACE, but not by the SFWMD.
** Project boundary as provided by LEI.

APPLICATION NUMBER
SAJ-2006-5857 (SP-TSB)
DATE February 17, 2009
PAGE 3 of 9

Holden Avenue from
John Young Parkway to Orange Blossom Trail
6,530+/- linear feet in
Sections 9 & 16, Township 23 South, Range 29 East
Orange County, Florida

Job No.:2002-158.33 | Date: 11 May 2005

Existing Land Use Map

Source: GIS Format, SJRWMD, 2004

North | Scale: 1" = 500'

Figure 4a

Legend

134 - Multiple Dwelling Units, High Rise
141 - Retail Sales & Services
143 - Professional Services
434 - Hardwood-Conifer Mixed
618 - Willow and Elderberry
630 - Wetland Forested Mixed

Proposed Right-of-Way Limits
Wetland Impacts
10.514 +/- ac.

Notes:
** Land Use delineation based on aerial photointerpretation and groundtruthing. All acreages are approximate. This is not a survey.
** Classification based on Florida Land Use, Cover and Forms Classification System (FLUCFCS), FDOT, 1999.
** Wetland delination has been verified by the USACE, but not the SFWMD.
** Project boundary as provided by LEI.

APPLICATION NUMBER
SAJ-2006-5857 (SP-TSB)
DATE February 17, 2009
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Holden Avenue from
John Young Parkway to Orange Blossom Trail

6,650+/- linear feet in
Sections 9 & 10, Township 23 South, Range 29 East
Orange County, Florida

Job No.: 2002-158.33 | Date: 11 May 2005

Existing Land Use Map

Source: GIS Format, SJRWMD, 2004

North

Scale: 1" = 500'

Figure 4b

APPLICATION NUMBER
SAJ-2006-5857 (SP-TSB)
DATE February 17, 2009
PAGE 6 of 9

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		

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WETLAND MAP
HOLDEN AVENUE

SHEET NO. 2

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APPLICATION NUMBER
SAJ-2006-5657 (SP-TSB)
DATE February 17, 2009
PAGE 8 of 9

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WETLAND MAP
HOLDEN AVENUE

SHEET NO. 3

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WETLAND	IMPACTS (AC)	
	DIRECT	SECONDARY
5	0.068	0.047
6	7.567	1.783

REVISIONS

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WETLAND MAP
HOLDEN AVENUE

SHEET NO. 4

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