

ALTERNATE 1 IMPROVEMENTS

- 600 CFS PUMP STATION
- ADJUSTABLE TIDE GATE
- GRAVITY WALL (400 LF±)
- ELEC. BUILDING AND GENERATOR

ALTERNATE 7 PROJECT COMPONENTS

SICA HALL PUMP STATION SITE
SEE SHEET 3 FOR DETAILS

ALTERNATE 1 PROJECT COMPONENTS

- 1 600 CFS PUMP STATION WITH ELEC. BLDG AND GENERATOR
- 2 ADJUSTABLE TIDE GATE
- 3 GRAVITY WALL (400±)
- 4 RAILROAD TRESTLE REPLACEMENT

1
PUMP STATION, GENERATOR & ELECTRICAL BUILDING

2

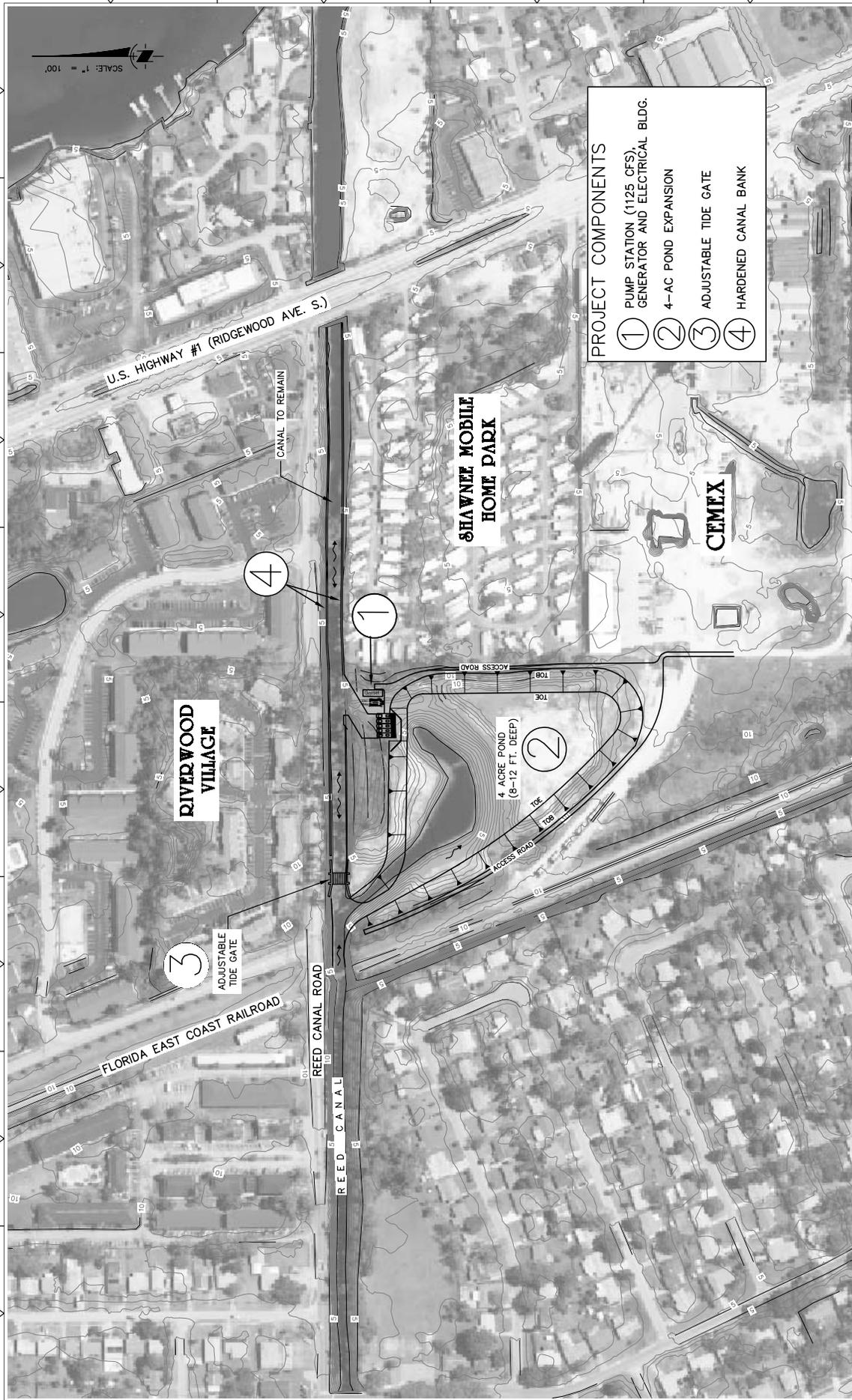
3

4

HOLLY HILL WWT PLANT

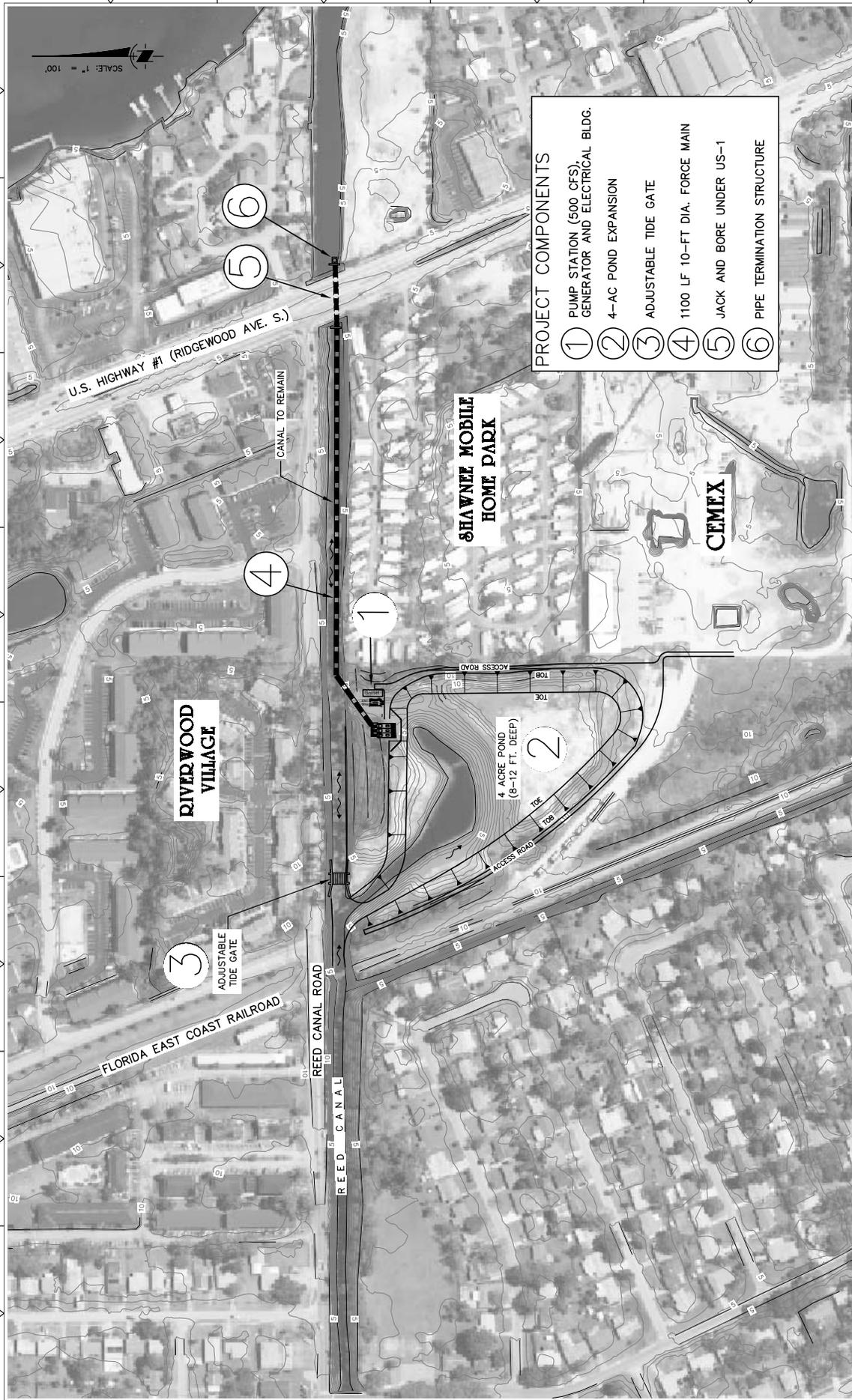
COMPARTMENTAL DUCKS

DESIGNED BY: [X]	PROJECT NO. SP18M-00060	SHEET NO. 2	PRELIMINARY
DRAWN BY: [X]	FILE NAME: XXXXXXXX		
CHECKED BY: [X]	EASTERN VOLUISA REGIONAL WATER AUTHORITY VOLUISA COUNTY, FLORIDA		LPGA CANAL - ALTERNATE 1 PUMP AROUND
APPROVED BY: [X]	NOVA CANAL FLOOD CONTROL		
DATE: NOVEMBER 2009	CAPITOL ENGINEERING ASSOCIATES, INC. 1000 N. W. 10th Ave., Suite 200 Fort Lauderdale, FL 33304 TEL: 954.574.1100 WWW.CEASOCIATES.COM		
REVISIONS	REMARKS		
REV. NO.	DATE	DESCRIPTION	CHKD



- PROJECT COMPONENTS**
- ① PUMP STATION (1125 CFS), GENERATOR AND ELECTRICAL BLDG.
 - ② 4-AC POND EXPANSION
 - ③ ADJUSTABLE TIDE GATE
 - ④ HARDENED CANAL BANK

DESIGNED BY: _____	DATE: _____	REVISIONS
DRAWN BY: _____	DATE: _____	
CHECKED BY: _____	DATE: _____	
CROSS CHECK BY: _____	DATE: _____	
APPROVED BY: _____	DATE: NOVEMBER 2009	
EASTERN VOLUISA REGIONAL WATER AUTHORITY VOLUISA COUNTY, FLORIDA NOVA CANAL FLOOD CONTROL		
PROJECT NO. SP98-00000 FILE NAME: XXXXXXXX		
SHEET NO.		4
PRELIMINARY		



SCALE: 1" = 100'

- PROJECT COMPONENTS**
- ① PUMP STATION (500 CFS), GENERATOR AND ELECTRICAL BLDG.
 - ② 4-AC POND EXPANSION
 - ③ ADJUSTABLE TIDE GATE
 - ④ 1100 LF 10-FT DIA. FORCE MAIN
 - ⑤ JACK AND BORE UNDER US-1
 - ⑥ PIPE TERMINATION STRUCTURE

PROJECT NO. SP4M-00000
 FILE NAME: XXXXXXXX
 SHEET NO. 5

REED CANAL PUMP STATION
 PARALLEL FM OPTION

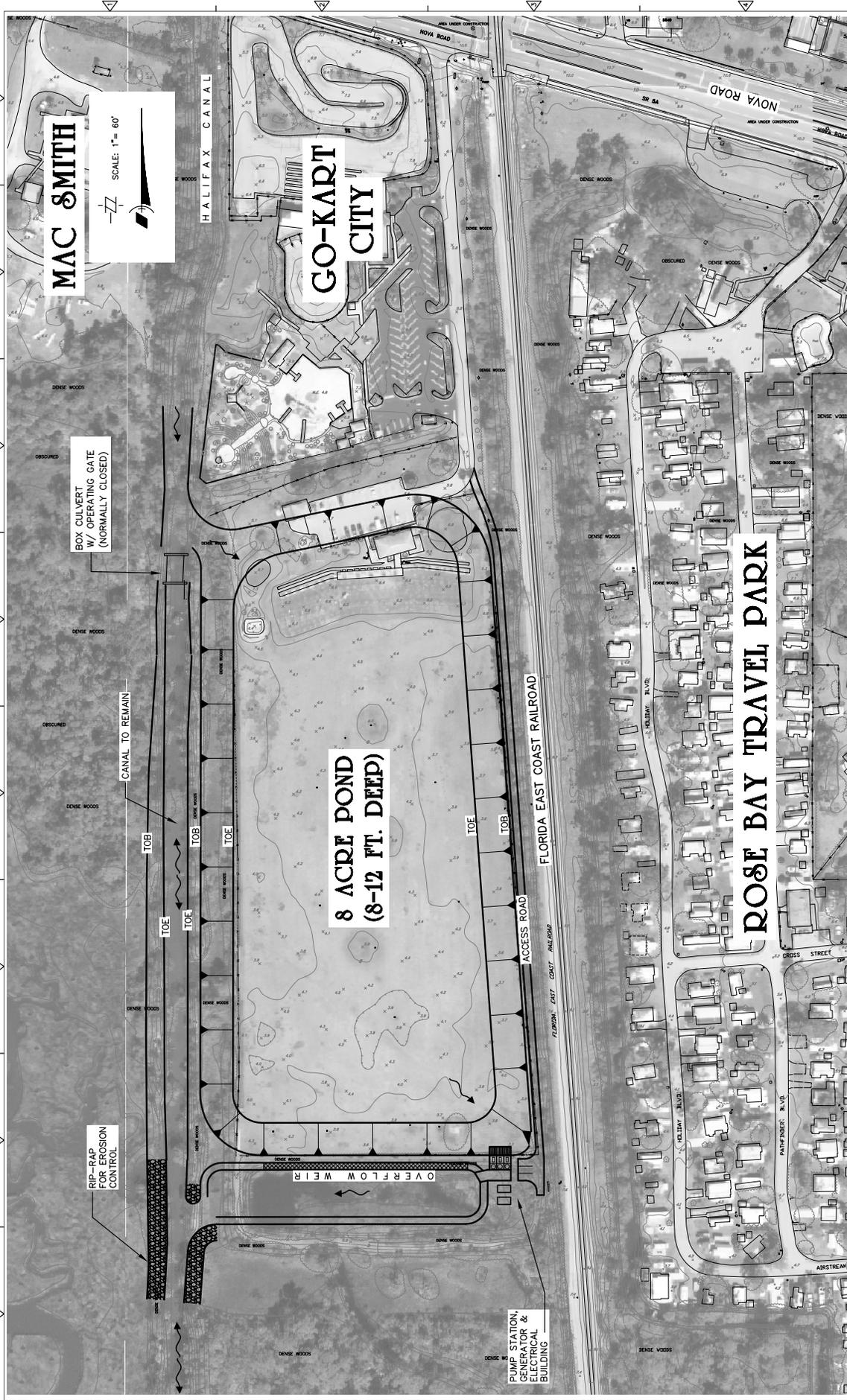
EASTERN VOLUISA REGIONAL WATER AUTHORITY
 VOLUISA COUNTY, FLORIDA
 NOVA CANAL FLOOD CONTROL

CDM
 CONSULTING ENGINEERS
 1400 N. W. 10th Ave., Suite 200
 Fort Lauderdale, FL 33304
 PHONE: (954) 576-1000
 FAX: (954) 576-1001
 WWW.CDM.COM

DESIGNED BY: X
 DRAWN BY: X
 CHECKED BY: X
 APPROVED BY: X
 DATE: NOVEMBER 2009

REV.	DATE	DESCRIPTION

PRELIMINARY



MAC SMITH

SCALE: 1" = 60'

GO-KART CITY

**8 ACRE POND
(8-12 FT. DEEP)**

ROSE BAY TRAVEL PARK

PUMP STATION,
GENERATOR &
ELECTRICAL
BUILDING

BOX CULVERT
W/ OPERATING GATE
(NORMALLY CLOSED)

CANAL TO REMAIN

RIP-RAP
FOR EROSION
CONTROL

FLORIDA EAST COAST RAILROAD

HELIWAY BLVD

PATPINKER BLVD

CROSS STREET

AIRSTREAM

PROJECT NO. 87458-73553	FILE NAME	SHEET NO.	6
HALIFAX CANAL PUMP STATION AT SUMMITT GOLF SITE		PRELIMINARY	
EASTERN VOLUISIA REGIONAL WATER AUTHORITY VOLUISIA COUNTY, FLORIDA		NOVA CANAL FLOOD CONTROL	
<p>CDM 2000 Main Street, Suite 300 Tallahassee, Florida 32301 Tel: 904.438.2000 Fax: 904.438.2001 www.cdm.com</p>			
<p>CDM & SUTTON ASSOCIATES, INC. 10000 Highway 100, Suite 100 Tallahassee, Florida 32301 Tel: 904.438.2000 Fax: 904.438.2001 www.cdm.com</p>			
DESIGNED BY: _____	CHECKED BY: _____	DATE: _____	NOVEMBER 2009
DRAWN BY: _____	SHEET CHECK BY: _____	DATE: _____	
APPROVED BY: _____	DATE: _____	DATE: _____	
REV.	DATE	CHKD	REMARKS



SCALE: 1" = 300'

**HALIFAX CANAL PUMP STATION ALTERNATIVE
 BUSHMAN PARK PUMP STATION ALTERNATE
 PROJECT COMPONENTS**

- 1 300 GFS PUMP STATION & 750 KW GENERATOR
- 2 4800 LF 8 FT. DIA. FORCE MAIN
- 3 10 X 8 BOX CULVERT INTAKE (300 LF±)
- 4 150 LF JACK & BORE UNDER F.E.C. RAILROAD
- 5 150 LF JACK & BORE UNDER U.S.#1
- 6 PIPE TERMINATION STRUCTURE
- 7 TIDE CONTROL GATE @ NOVA RD.
- 8 BACKFLOW DEVICE ON CULVERTS

PRODUCT NO. 87458-73553
 FILE NAME: XXXXXXXX
 SHEET NO. 7

**BUSHMAN POND
 PUMP STATION AND FORCE MAIN**

**EASTERN VOLUISA REGIONAL WATER AUTHORITY
 VOLUISA COUNTY, FLORIDA
 NOVA CANAL FLOOD CONTROL**

CDM
 2200 Mableton Center Parkway, Suite 900
 Marietta, GA 30066
 TEL: 770.491.2000
 FAX: 770.491.2001
 WWW.CDM.COM
 PROJECT NO. 08-00000000
 SHEET NO. 7 OF 7
 DATE: 11/05/2009

DESIGNED BY: X
 DRAWN BY: X
 SHEET CHECK BY: X
 CROSS CHECK BY: X
 APPROVED BY: X
 DATE: 11/05/2009

REV.	DATE	DESCRIPTION

PRELIMINARY

