

# NAPLES BEACH RESTORATION & WATER QUALITY IMPROVEMENT PROJECT CONSTRUCTION DRAWINGS FOR DIRECTIONAL DRILL

Prepared For:

CITY OF NAPLES  
735 8th St S,  
Naples, FL 34102



Teresa Heitmann, Mayor  
Terry Hutchinson, Vice Mayor  
Gary Price, Council Member  
Mike McCabe, Council Member  
Paul Perry, Council Member  
Ted Blankenship, Council Member  
Raymond Christman, Council Member

Dana Souza, Interim City Manager

Gregg Strakaluse,  
Streets & Stormwater Management Director

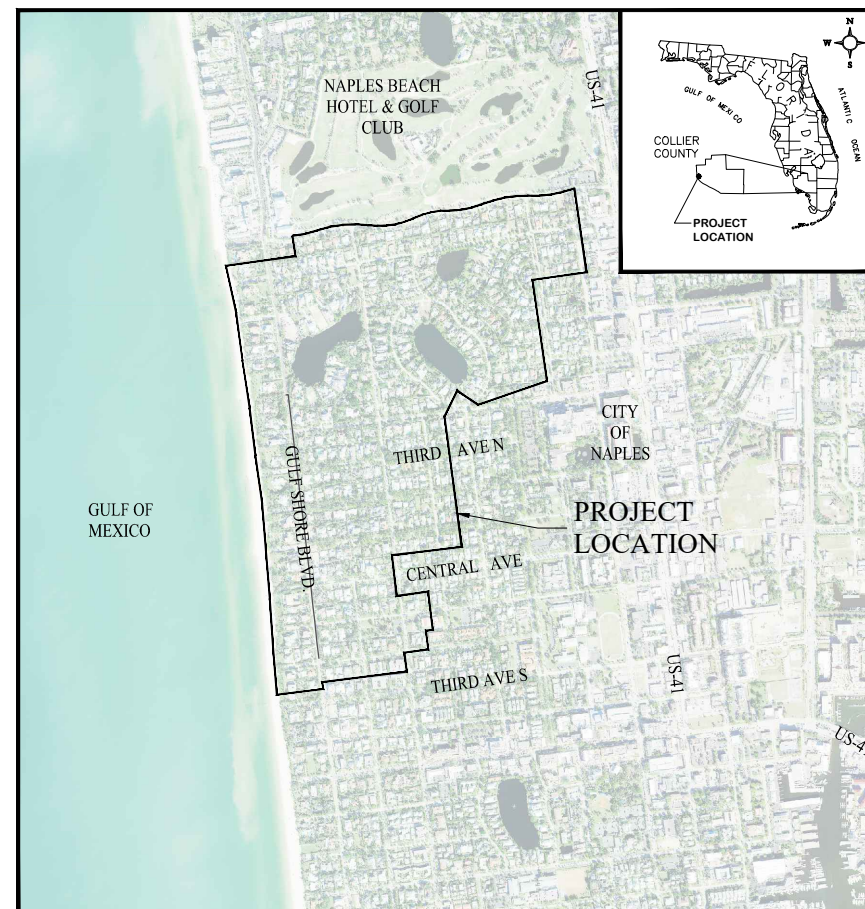
Prepared By:



Erickson Consulting Engineers  
7201 Delainey Court  
Sarasota FL, 34240  
941-373-6460

Date: MAY 2021

Issued for Bid



VICINITY MAP

## DRAWING INDEX

### GENERAL

- 1 COVER
- 2 SIGNATURE SHEET, LEGEND & ABBREVIATIONS
- 3 GENERAL NOTES
- 4 CONSTRUCTION BASELINE & SURVEY CONTROL

### EXISTING CONDITIONS

- 5 EXISTING CONDITIONS
- 6 EXISTING CONDITIONS OVERALL - 3RD AVENUE NORTH

### OFFSHORE PIPELINE

- 7-8 PIPELINES & DIFFUSER PLAN
- 9 PIPELINE PROFILE (NORTH)
- 10 PIPELINE PROFILE (SOUTH)

### CONSTRUCTION ACCESS & STAGING PLANS

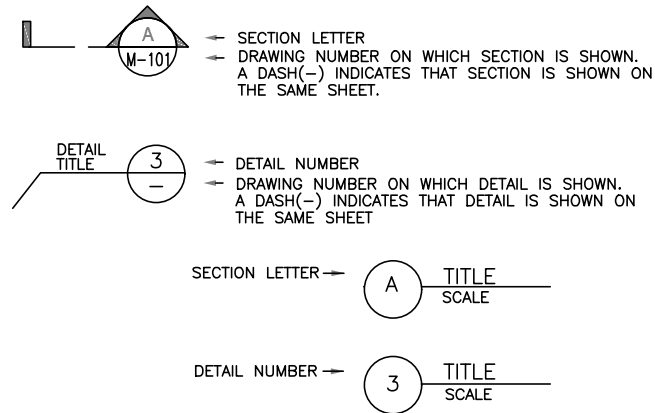
- 11 3RD AVENUE NORTH
- 12 PIPE FUSING & STAGING
- 13 OFFSHORE

Z:\CADD\_Graphics\US\_Projects\16-329\_Naples\_Outfalls\_Phase II\Design\90\_100%\_Plans\16-329\_Naples\_Outfalls\_DirectionalDrill.dwg Jun 07, 2021 5:17pm

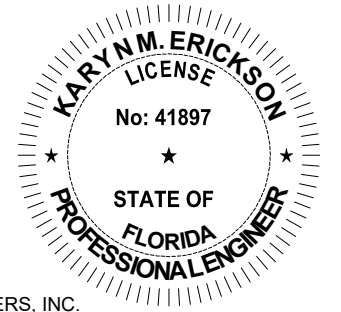
CIVIL/SURVEY/EXISTING LEGEND

SS	SANITARY SEWER	→	GUY ANCHOR	□	CABLE BOX
FM	SANITARY FORCE MAIN	⊗	CONCRETE UTILITY POLE	⊓	TELEPHONE RISER
WM	WATER MAIN	○	WOOD UTILITY POLE	⊓	TELEPHONE MANHOLE
SW	STORM WATER	⊓	ELECTRIC SERVICE	⊓	WATER METER
RWM	REUSE WATER MAIN	⊓	HAND HOLE	⊓	WATER VALVE
GAS	NATURAL GAS LINE	⊓	TRANSFORMER AND SLAB	⊗	IRRIGATION VALVE
CATV	UNDERGROUND CABLE	⊓	ELECTRIC MANHOLE	⊓	IRRIGATION CONTROL BOX
T	UNDERGROUND TELEPHONE	⊓	LIGHT POLE	⊓	FIRE HYDRANT
BP	UNDERGROUND POWER LINE	⊓	ELECTRICAL PANEL	⊓	STORM MANHOLE
O/H	OVERHEAD POWER LINE	⊓	TRAFFIC CONTROL BOX	⊓	SANITARY MANHOLE
+3.05	EXISTING GRADE				
---	ROW LINE		▷		SANITARY CLEAN-OUT
---	PROPERTY LINE		○		SIGN
---	EASEMENT		---		EDGE OF PAVEMENT
█	EXISTING DISCHARGE PIPELINE		---		CURB
---	CCCL (COASTAL CONSTRUCTION LINE)				
---	CCSL (COLLIER COUNTY SETBACK LINE)				
---	ECL (EROSION CONTROL LINE)				
---	HARD BOTTOM EDGE 2015				
---	HARD BOTTOM 2003				
▨	ARTIFICIAL REEF 2007				
---	EXISTING SEAWALL				
▨	EXISTING BRICK DRIVEWAY				
▨	EXISTING CONCRETE SIDEWALK/DRIVEWAY				
AC	ASBESTOS CONCRETE PIPE				
BE	BURIED ELECTRIC				
DIP	DUCTILE IRON PIPE				
NO.	NUMBER				
N	NORTHING				
E	EASTING				
ELEV	ELEVATION				
DESC	DESCRIPTION				
FM	FORCE MAIN				
FP&L	FLORIDA POWER AND LIGHT				
HDPE	HIGH DENSITY POLYETHYLENE PIPE				
IRCF	IRON ROD AND CAP FOUND				
NDS	NAIL AND DISK SET				
NDF	NAIL AND DISK FOUND				
LB	LICENSED BUSINESS				
PVC	POLY VINYL CHLORIDE PIPE				
RCP	REINFORCED CONCRETE PIPE				
TBM	TEMPORARY BENCH MARK				
VH	VERIFIED VERTICAL AND HORIZONTAL				
WM	WATER MAIN				
MPS	MASTER PUMP STATION				
MCC	MOTOR CONTROL CENTER				
ATS	AUTOMATIC TRANSFER SWITCH				
PID	PROPORTIONAL INTEGRAL DERIVATIVE				
PLC	PROGRAMMABLE LOGIC CONTROLLER				
IO	INPUT/OUTPUT				
	SPOT ELEV		× 5.30		
	WATER SURFACE ELEVATION		EL. 47.0		
	FENCE (NEW)		×-×-×-×-×		

DRAFTING LEGEND



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:



KARYN M ERICKSON, P.E.  
 LICENSE NO. 41897  
 ERICKSON CONSULTING ENGINEERS, INC.  
 7201 DELAINEY COURT  
 SARASOTA, FL 34240

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

DRAWING INDEX

<b>GENERAL</b>	
1	COVER
2	SIGNATURE SHEET, LEGEND & ABBREVIATIONS
3	GENERAL NOTES
4	CONSTRUCTION BASELINE & SURVEY CONTROL
<b>EXISTING CONDITIONS</b>	
5	EXISTING CONDITIONS
6	EXISTING CONDITIONS PLANS - 3RD AVENUE NORTH
<b>OFFSHORE PIPELINE</b>	
7-8	PIPELINES & DIFFUSER PLAN
9	PIPELINE PROFILE (NORTH)
10	PIPELINE PROFILE (SOUTH)
<b>ACCESS &amp; STAGING PLANS</b>	
11	CONSTRUCTION ACCESS & STAGING PLAN - 3RD AVENUE NORTH
12	CONSTRUCTION ACCESS & STAGING PLAN - PIPE FUSING & STAGING
13	CONSTRUCTION ACCESS & STAGING PLAN - OFFSHORE

C:\Users\STOWNS~1\AppData\Local\Temp\AcPublish\_11700\16-329-Naples Outfalls\_DirectionalDrill.dwg May 14, 2021 4:34pm

Revision	By	Appd.	YY.MM.DD

ISSUED	90% DESIGN DRAWINGS	KME	APPROVED	21.05.14


7201 Delaney Court  
 Sarasota, FL 34240  
 www.ericksonconsultingengineers.com

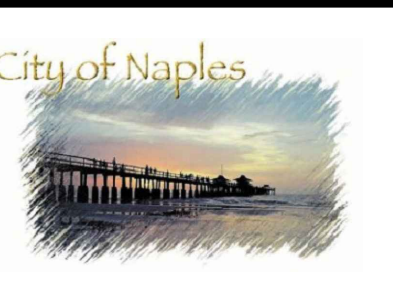
Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Erickson Consulting Engineers (ECE) without delay. The Copyrights to all designs and drawings are the property of ECE. Reproduction or use for any purpose other than that authorized by ECE is forbidden.

Client/Project  
**CITY OF NAPLES**  
 735 8th St S  
 NAPLES, FL.  
 Naples Beach Restoration  
 & Water Quality  
 Improvement Project

File Name: 16-329\_Naples Outfalls\_DirectionalDrill.dwg

SMT	KME	KME	21.05.14
Dwnl.	Chkd.	Dsgn.	YY.MM.DD



Title	
SIGNATURE SHEET LEGENDS & ABBREVIATIONS	
Project No.	Scale
16-329	AS NOTED
Drawing No.	Sheet
	Revision











































