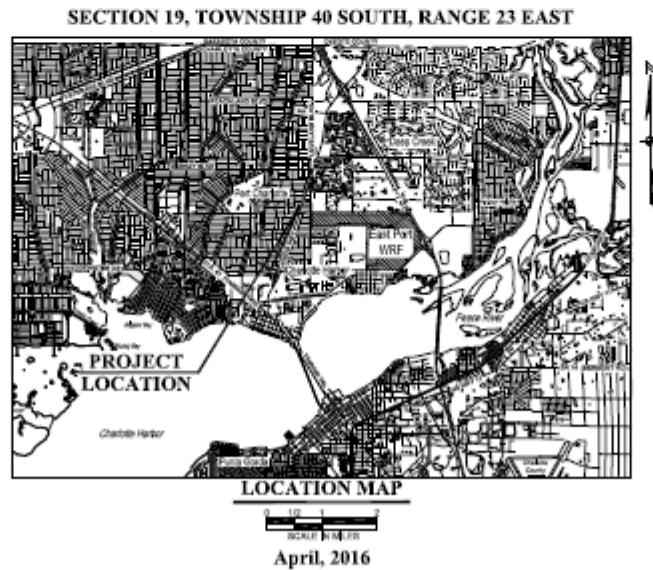


Loveland Grand Master Lift Station Midway, Olean, Westchester, Deep Creek Interceptor

CONSTRUCTION PLANS FOR LOVELAND GRAND MASTER LIFT STATION (LGMLS) & 48" INTERCEPTOR Midway Boulevard to East Port Water Reclamation Facility (EPWRF) FOR CHARLOTTE COUNTY UTILITIES (CCU) CHARLOTTE COUNTY BOARD OF COUNTY COMMISSIONERS CHARLOTTE COUNTY, FLORIDA

CONSTRUCTION SPECIFICATIONS
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD
SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (REVISED 2013) AND
FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS FOR DESIGN,
CONSTRUCTION MAINTENANCE AND UTILITY OPERATIONS (DATED 2016)

| INDEX OF PLANS | |
|----------------|--|
| SHEET NO. | DESCRIPTION |
| 1 | COVER SHEET - LOCATION MAP |
| 2 | GENERAL NOTES, ABBREVIATIONS AND LEGENDS |
| 3 | AERIAL MAP |
| 4 | KEY MAP |
| 5 | SITE PLAN LGMLS |
| 6.1 to 6.25 | INTERCEPTOR PLAN & PROFILES |
| 7.1 to 7.14 | INTERCEPTOR EXISTING & PROPOSED CROSS SECTIONS |
| 8.1 to 8.2 | MAINTENANCE OF TRAFFIC PLAN (Kings Highway) |
| 9.1 to 9.2 | EROSION CONTROL PLAN (BMP#2) |
| 10 | EROSION CONTROL DETAILS (BMP#) |
| 11.1 to 11.5 | TYPICAL DETAILS & SECTIONS |
| 12.1 to 12.3 | PUMP STATION PLANS AND DETAILS |
| 13.1 to 13.6 | EXISTING & PROPOSED YARD PIPING |
| 15.1 to 15.5 | ELECTRICAL PLANS AND DETAILS |
| 16.1 to 16.2 | EXISTING SITE & STAGING PLAN |



County Commissioners
Ken Doherty, District 1
Christopher Constance, District 2
Bill Truex, District 3
Stephen R. Deutsch, District 4
Tricia Duffy, District 5

Charlotte County Utilities (CCU)
Director
Gary Hubbard

CCU Engineering Services Manager
Bruce R. Bullert, P.E.

HAZEN AND SAWYER
Environmental Engineers & Scientists
1000 HUNTERS PALM BLVD.
DAWA, FLORIDA 32810
PHONE (407) 255-1000
FAX (407) 255-1001
WWW.HAZENANDSAWYER.COM

JOHNSON
ENGINEERING

3400 BIRNBOCK CENTER
SUITE 404
PORT CHARLOTTE, FLORIDA 33684
PHONE (813) 828-0919
FAX (813) 828-3388
E-MAIL: J@JENR.COM

REGISTERED PROFESSIONAL ENGINEER
FLORIDA LICENSE NO. 60638

CHRISTOPHER D. BEERS, PE

DATE:

85% SUBMITTAL

Eastport Water Reclamation Facility (EPWRF) Service Area

Area:

- 69± Sq Miles
- 16.5± x 5.5 ±

Pump Stations (PS):

- 35 Current PS
- Avg age 18.5 yrs

Pipe:

- 2,000 Miles

EPWRF Capacity:

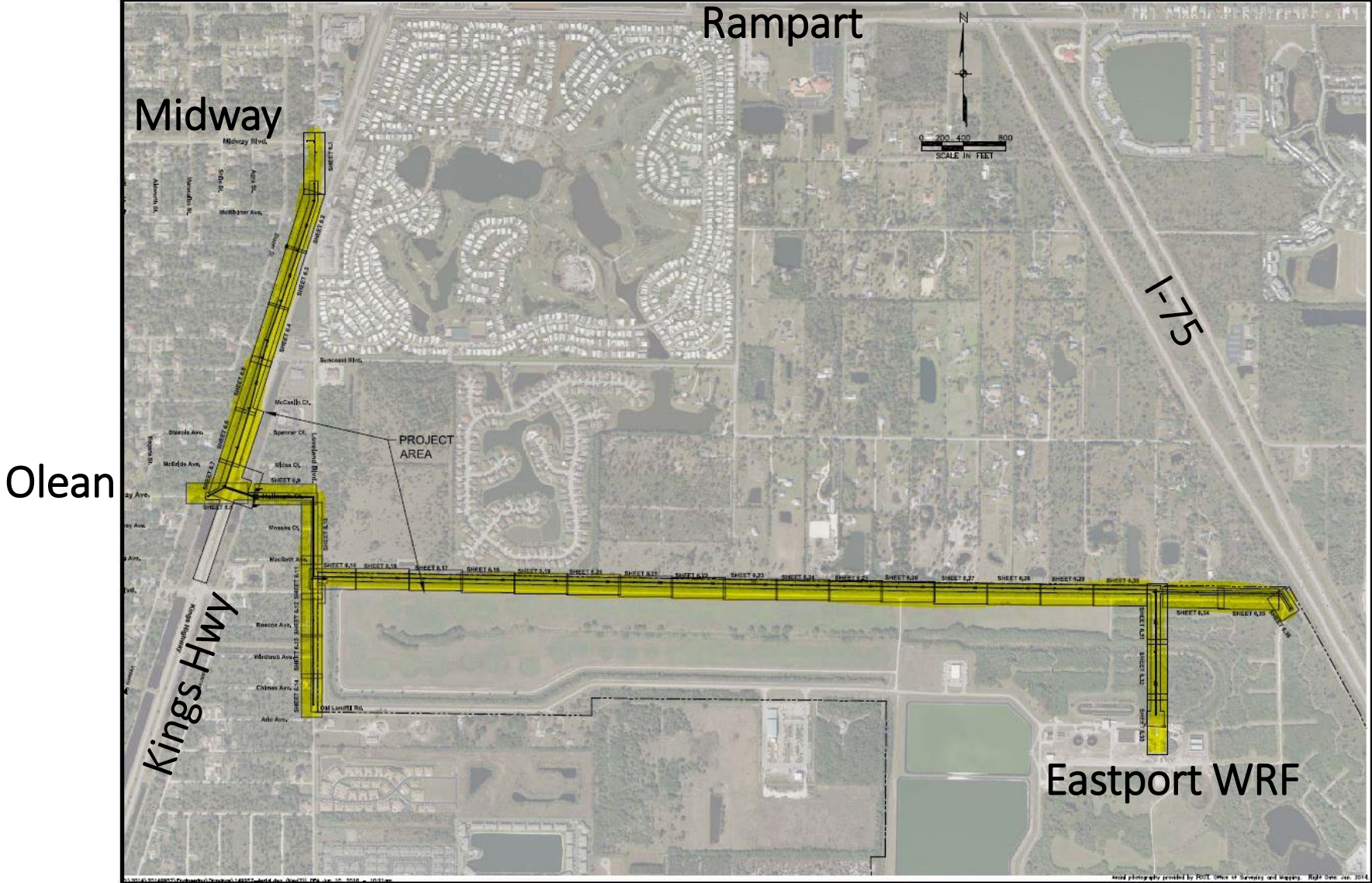
- Current 6 MGD
- Buildout 24 MGD

ERU's:

- Current 24,000
- Buildout 110,000



Loveland Grand Master Lift Station Midway, Olean, Westchester, Deep Creek Interceptor



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <small>1800 WINDSOR DRIVE SUITE 100 PORT CHARLOTTE, FLORIDA 33688 PHONE (813) 850-9118 FAX (813) 850-9142 E.O. 11246 & 11296</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <small>CHRISTOPHER R. MOSE, P.E. FL License No. 10084</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOVELAND GRAND MASTER LIFT STATION DESIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHARLOTTE COUNTY BOARD OF COUNTY COMMISSIONERS CHARLOTTE COUNTY, FLORIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REVISIONS NO. DATE DESCRIPTION | <table border="1"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <small>DATE: JUNE 2016 PROJECT NO.: 20140007 FILE NO.: 18-0023 SCALE: AS SHOWN</small> | KEY MAP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHEET NUMBER 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

aerial photography provided by RST, Office of Surveying and Mapping. Right Date: 06/2014

Loveland Grand Master Lift Station Midway, Olean, Westchester, Deep Creek Interceptor

Estimated Project Construction Costs

| # | Description | Quan | Units | Cost | Extension |
|---|---|-------|-------|-------------|---------------------|
| 1 | Midway to Loveland (Incd Olean, Westchester, Kings Hwy Crossing & FM connections) | 1 | LS | \$5,358,573 | \$5,358,573 |
| 2 | LGMLS (Lift Station only) | 1 | LS | \$3,494,496 | \$3,494,496 |
| 3 | EPWRF 36" Force Main | 8,890 | LF | \$575 | \$5,110,240 |
| 4 | 24" Deep Creek Int. | 2,450 | LF | \$255 | \$623,965 |
| 5 | Contingency | | | | \$729,370 |
| 6 | Construction Management/Inspection | | | | \$1,458,740 |
| | | | | | \$16,775,384 |

