CONSTRUCTION PLANS FOR:
TAMPA ELECTRIC COMPANY
BIG BEND ECONOMIZER ASH AND PYRITES POND SYSTEM CLOSURE
TEMPORARY HAUL ROAD
APOLLO BEACH, HILLSBOROUGH COUNTY, FLORIDA
ISSUE FOR CONSTRUCTION
WOOD PROJECT NUMBER: 300996x2
July 11, 2019

INDEX OF DRAWINGS

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12408-EY-44BA | COVER
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12408-EY-44BC | TEMPORARY HAUL ROAD PLAN VIEW
12408-EY-44BD | TEMPORARY HAUL ROAD PLAN & DETAILS
12408-EY-44BE | TEMPORARY HAUL ROAD DETAIL
12408-EY-44BF | WETLAND IMPACT PLAN VIEW

SITE LOCATION MAP
HILLSBOROUGH COUNTY, FLORIDA
SECTION 9, TOWNSHIP 31 SOUTH, RANGE 19 EAST

PLANS PREPARED BY:
Environment & Infrastructure Solutions, Inc.
1101 Channelside Drive, Suite 200, Tampa, FL 33602
Phone: 1.813.289.0750    Fax: 1.813.289.5474
www.woodplc.com    CA-5392

ENGINEER CERTIFICATION

I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA PRACTICING WITH WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC., A CORPORATION AUTHORIZED TO OPERATE IN THE STATE OF FLORIDA AS A PROFESSIONAL ENGINEERING CORPORATION. I FURTHER CERTIFY THAT I, OR OTHERS UNDER MY DIRECT SUPERVISION, HAVE PREPARED THE GEOLOGICAL, HYDRAULIC, HYDROLOGICAL, EARTHWORK, CONSTRUCTION, AND OTHER ENGINEERING DESIGNS AND CONCLUSIONS PRESENTED IN THESE PLANS.

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P.E.
2019.07.11
16:42:08
'00'04"
GENERAL

1. All construction shall conform to the construction drawings and specifications.

2. The contractor shall acquire the necessary right-of-way, utilization permits, and provide for the safety of local traffic during construction. The contractor shall coordinate all work within existing road right-of-way with TEC.

3. The contractor shall locate and verify all existing utilities prior to construction and notify the various utility providers to make the necessary arrangements for any relocation, temporary disruption of service, or clarification of activity regarding said utility. The contractor shall exercise extreme caution when crossing an underground utility, whether shown on these plans or field located. All utilities which interfere with the proposed construction shall be relocated by the respective utility providers and the contractor shall coordinate with the utility provider during relocation operations. Any delay or inconvenience by the various utilities shall be incidental to the contract and no extra compensation will be allowed.

4. All work shall be in accordance with owner’s safety requirements, including use of equipment near/under existing overhead lines.

5. The location of all existing utilities, storm drainage systems and topographic features shown on these drawings are provided for the convenience of the contractor. The engineer assumes no responsibility for their accuracy. Should a discrepancy arise between these drawings and actual field conditions, which would appreciably affect the execution of the work, the contractor shall notify the engineer immediately.

6. Prior to commencing work, the contractor shall furnish, erect and maintain all barricades, warning signs, and markers for hazards and the control of traffic, in reasonable conformity with the Manual of Uniform Traffic Control Devices for Street and Highways or as directed by the owner, such as to effectively prevent accidents in all places where the work causes obstructions to the normal traffic or constitutes a hazard to the public or owner’s operations.

7. All work and materials furnished shall conform with the lines, grades, sections, dimensions, materials, requirements, and testing requirements that are specified in the contract, plans or specifications.

8. The contractor is to furnish, erect, and maintain all barricades, warning signs, and markers for hazards necessary to protect the public, owner’s operations, and the work.

9. Refer to the Big Bend Station North and South Economizer Ash Ponds haul road Geotechnical Report dated April, 2019 by Wood E & IS for soil information.

10. Contractor shall confirm that fill soil is suitable for intended use and coordinate required laboratory testing with TEC.

11. Contractor will provide regular maintenance of potholes or rutting along haul road.

12. Contractor will follow all requirements of SAPP Stormwater Pollution Prevention Plan (SWPPP).

SURVEY NOTES

1. Elevations are shown in the plant datum; to convert to NAVD88, subtract 1.971 ft from the plant datum. To convert plant datum to NAVD29, subtract 1.072 ft from plant datum.

2. Conceptual map, elevations and feature locations are based on survey by George F. Young Inc. dated November 8, 2018.

3. Contractor to coordinate with the owner to verify existing survey monuments.

4. For existing conditions, George F. Young survey dated November 8, 2018 was used as a base.
 Limits of Survey

NORTH ECONOMIZER ASH POND (NEAP)

NOTE: CONTOURS BELOW ELEV. 26 HAVE BEEN ESTIMATED FROM PREVIOUS DESIGN DRAWINGS.

PROPOSED TEMPORARY HAUL ROAD

DOUBLE TURBIDITY CURTAIN

DOUBLE SILT FENCE

PROJECT NO.
CHECKED BY
DATE
DRAWN BY

TAMPA ELECTRIC CO.
BIG BEND POWER STATION
ECONOMIZER ASH POND CLOSURE
TEMPORARY HAUL ROAD PLAN VIEW
APOLLO BEACH, FLORIDA

12408-EY-44BC
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T.ANDRY
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www.woodplc.com       CA-5392

SAVED: 7/11/2019 1:23 PM
PLOTTED: 7/11/2019 1:23 PM
BY: VIVES, MARTIN
2 ROWS OF HAY BALES HERE / SINGLE ROW ALL OTHERS HAY BALES EVERY 75' (TYP.)

SCALE: AS SHOWN

CROSS SECTION A-A'

Scale: as shown

CROSS SECTION B-B'

Scale: as shown

PRESERVE EXISTING LINER. EXCAVATE ANCHOR TRENCH AND ROLL LINER OUT OF WAY OF EXCAVATION. PREVENT STORMWATER FROM ENTERING BENEATH LINER. AFTER GRADING OF INTERIOR SLOPE IS COMPLETE, REPLACE / REANCHOR LINER OVER NEW SLOPE. REANCHOR BY STAKING ON OUTSIDE SLOPE. DO NOT PENETRATE LINER ON POND INTERIOR.
TYPICAL SECTION BETWEEN STATIONS: 3+22 TO 4+22

DETAIL A

TYPICAL SECTION BETWEEN STATIONS: 0+00 TO 3+22

DETAIL B

SOIL TRACKING PREVENTION DEVICE DETAIL

TYPICAL SECTION BETWEEN STATIONS: 4+22 TO 5+58 (END)

DETAIL C

NOTE: REFER TO FDOT FY 2017-18 DESIGN STANDARDS, "TYPE K TEMPORARY CONCRETE BARRIER SYSTEM", INDEX NO. 414, FOR CONCRETE BARRIER SYSTEM DETAILS.
DOUBLE TURBIDITY CURTAINS

AREA OF WETLAND IMPACT
AREA = 1,525 SQ. FT.

DOUBLE TURBIDITY CURTAINS

ADD SILT FENCES FOR CONSTRUCTION

TAMPA ELECTRIC CO.
BIG BEND POWER STATION
ECONOMIZER ASH POND CLOSURE
WETLAND IMPACT PLAN VIEW
APOLLO BEACH, FLORIDA

PROJECT NO.: 300996X2   CITY: TAMPA