

R E S O L U T I O N  
NUMBER 2025-

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A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF CHARLOTTE COUNTY, FLORIDA, APPROVING A CONSTRUCTION AGREEMENT WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR THE SOUTH CRANBERRY BOULEVARD / HILLSBOROUGH BOULEVARD ROUNDABOUT; AUTHORIZING THE CHAIRMAN TO EXECUTE THE CONSTRUCTION AGREEMENT; AND AUTHORIZING THE COUNTY ADMINISTRATOR, OR HIS/HER DESIGNEE, TO EXECUTE NECESSARY, RELATED DOCUMENTS PERTAINING TO THE CONSTRUCTION AGREEMENT.

RECITALS

WHEREAS, Charlotte County and the Florida Department of Transportation ("FDOT") mutually recognize the need for entering into an agreement pursuant to Section 334.044(13) and Section 339.282, Florida Statutes, designating and setting forth the responsibilities of each party in regard to Construction Agreement No. 2023-C-192-00003 ("Construction Agreement") for the South Cranberry Boulevard / Hillsborough Boulevard Roundabout Improvements ("Project"); and

WHEREAS, Charlotte County has the authority to enter into this Construction Agreement with FDOT pursuant to Chapter 339, Florida Statutes; and

WHEREAS, the Project serves a public purpose and will provide a benefit to the residents of Charlotte County, Florida.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Charlotte County, Florida:

1. The Construction Agreement between Charlotte County and the Florida Department of Transportation for the Project, designated as Construction Agreement

No. 2023-C-192-0003, is hereby approved. A true and correct copy of the Construction Agreement is attached hereto as Exhibit A.

2. The Chairman of the Board is hereby authorized and directed to execute the Construction Agreement on behalf of Charlotte County, Florida.

3. The County Administrator, or his/her designee, is hereby authorized to execute any subsequent amendments and other documents specifically related to the Construction Agreement.

4. Any resolution in conflict herewith is hereby repealed, but only in the extent of the conflict and as required in order to give this Resolution full force and effect.

5. This Resolution shall take effect immediately upon passage.

[SIGNATURE PAGE TO FOLLOW]

PASSED AND DULY ADOPTED this 9<sup>th</sup> day of September, 2025.

BOARD OF COUNTY COMMISSIONERS OF  
CHARLOTTE COUNTY, FLORIDA

By: \_\_\_\_\_  
Joseph M. Tiseo, Chairman

ATTEST:  
Roger D. Eaton, Clerk of Circuit  
Court and Ex-officio Clerk of the  
Board of County Commissioners

By: \_\_\_\_\_  
Deputy Clerk

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY:

By: \_\_\_\_\_  
Janette S. Knowlton, County Attorney  
LR25-0732 

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**CONSTRUCTION AGREEMENT**



850-040-89  
MAINTENANCE  
OGC - 10/23  
Page 1 of 5

Construction Agreement No.: 2023-C-192-00003

**THIS CONSTRUCTION AGREEMENT ("Agreement")** is made and entered into by and between the State of Florida, Department of Transportation, 2981 N.E. Pine Island Rd. Cape Coral, FL 33909 (hereinafter referred to as the "DEPARTMENT") and Charlotte County, a political subdivision of the State of Florida, 18500 Murdock Circle Port Charlotte, FL 33948 (hereinafter referred to as the "Construction Coordinator").

**WITNESSETH:**

**WHEREAS**, the DEPARTMENT is authorized and required by Section 334.044, Florida Statutes, to coordinate the planning, development, and operation of the State Highway System; and

**WHEREAS**, pursuant to Section 20.23(6), Florida Statutes, the DEPARTMENT is authorized to contract with local governmental entities and with the private sector under specific circumstances; and

**WHEREAS**, Section 339.282, Florida Statutes, provides incentives to private sector entities that finance, construct, and improve public transportation facilities; and

**WHEREAS**, pursuant to Section 334.175(2), Florida Statutes, the DEPARTMENT is required to review the Project's design plans for compliance with Department design standards; and

**WHEREAS**, the Construction Coordinator proposes to construct certain improvements to  
SR 45 Section 01010 Subsection 000 from Begin MP 25.337 to End MP 25.946  
Local Name US41 located in Charlotte County (hereinafter referred to as the "Project"); and

**WHEREAS**, the parties desire to enter into this Agreement for the Construction Coordinator to make improvements within the DEPARTMENT'S right of way to construct the Project, which will become the property of the DEPARTMENT upon acceptance of the work.

**NOW, THEREFORE**, based on the premises above, and in consideration of the mutual covenants contained herein, the parties hereby agree that the construction of the Project shall proceed in accordance with the following terms and conditions:

1. The recitals set forth above are specifically incorporated herein by reference and made a part of this Agreement. The Construction Coordinator is authorized, subject to the conditions set forth herein, to enter the DEPARTMENT'S right of way to perform all activities necessary for the construction of S. Cranberry Boulevard / Hillsborough Boulevard Roundabout. See attached **Exhibit A Scope of Services/Special Provisions**.
2. The Project shall be designed and constructed in accordance with the latest edition of the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction ("FDOT Standard Specifications"), FDOT Standard Plans and FHWA Manual on Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the FDOT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the FDOT Design Manual, Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (commonly known as the "Florida Greenbook") and the FDOT Traffic Engineering Manual. The Construction Coordinator will be required to submit any construction plans required by the DEPARTMENT for review and written approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the Construction Coordinator shall be required to notify the DEPARTMENT of the changes and receive written approval from the DEPARTMENT prior to the changes being constructed. The Construction Coordinator shall maintain the area of the Project at all times and coordinate any work needs of the DEPARTMENT during construction of the Project.
3. In its sole discretion, the DEPARTMENT may reject designs which do not meet DEPARTMENT standards. The DEPARTMENT may also, in its sole discretion, allocate DEPARTMENT-managed resources, including structures engineers and/or project managers, to projects involving complex design structures and other design structures not commonly used by the DEPARTMENT. In addition, all complex bridges and bridge types not commonly used by the DEPARTMENT constructed via this Agreement will be monitored and inspected by DEPARTMENT personnel.
4. The Construction Coordinator shall provide the DEPARTMENT a minimum of 2 business days' notice before beginning construction within DEPARTMENT right of way. The Construction Coordinator shall notify the DEPARTMENT should construction be suspended for more than 5 working days.
5. Pursuant to Section 7-13 of the FDOT Standard Specifications, the Construction Coordinator is required to possess a general liability insurance naming the DEPARTMENT as an additional insured and insuring the DEPARTMENT and the Construction Coordinator against any and all claims for injury or damage to persons and property, and for the loss of life or property that may occur (directly or indirectly) by reason of the Construction Coordinator accessing DEPARTMENT right of way and the Construction Coordinator's performance of the Project. Such amount shall be carried in a minimum amount of not less than N/A and 00/100 Dollars (\$ 0.00) for bodily injury or death to any one person or any number of persons in any one occurrence, and not less than N/A and 00/100 Dollars (\$ 0.00) for property damage, or a combined coverage of not less than N/A and 00/100 Dollars (\$ 0.00). Additionally, the Construction Coordinator shall supply the DEPARTMENT with a payment and performance bond in the amount of the estimated cost of construction, provided by a surety authorized to do business in the State of Florida, payable to the DEPARTMENT. The bond and insurance shall remain in effect until completion of construction and acceptance by the DEPARTMENT. Prior to commencement of the Project and on such other occasions as the DEPARTMENT may reasonably require, the Construction Coordinator shall provide



- the DEPARTMENT with certificates documenting that the required insurance coverage is in place and effective. If the Construction Coordinator is a governmental entity, they will be exempt from these requirements.
6. The Construction Coordinator shall be responsible for monitoring construction operations and Temporary Traffic Control (TTC) throughout the course of the Project in accordance with the latest edition of the FDOT Standard Specifications, Section 102, Maintenance of Traffic, and FDOT Standard Plans, 102-600 series. The Construction Coordinator is responsible for the development of a TTC Plan and making any changes to that plan as necessary. Any TTC plan developed by the Construction Coordinator that deviates from the FDOT Standard Plans must be signed and sealed by a professional engineer. TTC plans will require written approval by the DEPARTMENT prior to implementation.
  7. The Construction Coordinator shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations are accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.
  8. The Construction Coordinator will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.
  9. The Construction Coordinator shall take emergency steps to close any public road whenever there is a risk to life, health and safety of the travelling public. The safety of the travelling public is the DEPARTMENT'S first priority. If lane or road closures are required to ensure the life, health, and safety of the travelling public, the Construction Coordinator must notify the District Maintenance Engineer and District Traffic Operations Engineer immediately once the travelling public are not at imminent risk. The DEPARTMENT expects professional engineering judgement be applied in all aspects of locally or privately delivered projects. Defect management and supervision of Project bridge structures components must be proactively managed, monitored, and inspected by DEPARTMENT prequalified structures engineer(s). The District Maintenance Engineer must be notified immediately of defect monitoring that occurs in the Project construction, whether or not the defects are considered an imminent risk to life, health, or safety of the travelling public. When defects, including but not limited to, structural cracks, are initially detected during bridge construction, the engineer of record, construction engineering inspector, design-build firm, or local agency that owns or is responsible for the bridge construction has the authority to immediately close the bridge to construction personnel and close the road underneath. The Construction Coordinator shall also ensure compliance with the DEPARTMENT Construction Project Administration Manual, Section 9.1.8 regarding actions for maintenance of traffic and safety concerns.
  10. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this agreement shall become the property of the DEPARTMENT. Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest, or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Construction Coordinator's use, occupancy, or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to Chapter 163, Florida Statutes.
  11. The Construction Coordinator shall perform all required testing associated with the design and construction of the Project. Testing results shall be made available to the DEPARTMENT upon request. The DEPARTMENT shall have the right to perform its own independent testing during the course of the Project.
  12. The Construction Coordinator shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards, and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard, and local governmental entities.
  13. The Construction Coordinator is responsible for the provision of Construction Engineering Inspection (CEI) services. The DEPARTMENT reserves the right to require the Construction Coordinator to hire a DEPARTMENT pre-qualified consultant firm that includes one individual that has completed the Advanced Maintenance of Traffic Level Training. Notwithstanding any provision of law to the contrary, design services and CEI services may not be performed by the same entity. Administration of the CEI staff shall be under the responsible charge of a State of Florida Licensed Professional Engineer who shall provide the certification that all design and construction for the Project meets the minimum construction standards established by DEPARTMENT. The DEPARTMENT shall have the right to approve the CEI firm. The DEPARTMENT shall have the right, but not the obligation, to perform independent assurance testing during the course of construction of the Project. Subject to the written approval of the DEPARTMENT, a local government agency may choose to satisfy the requirements set forth in this paragraph by either hiring a DEPARTMENT prequalified consultant firm or utilizing local government staff that meet the requirements of this paragraph, or a combination thereof.
  14. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the Construction Coordinator. The Construction Coordinator shall bear all construction delay costs incurred by the DEPARTMENT.
  15. All work and construction shall be completed within 365 days of the date of the last signature affixed to this agreement. If construction is not completed within this time, the DEPARTMENT may make a claim on the bond. The DEPARTMENT may terminate this

Agreement at any time, with or without cause and without DEPARTMENT liability to the Construction Coordinator, by providing sixty (60) days' prior written notice of termination to the Construction Coordinator.

16. The Construction Coordinator shall be responsible for maintaining and restoring all features that might require relocation within the DEPARTMENT right of way.
17. The Construction Coordinator will be responsible for clean up or restoration required to correct any environmental or health hazards that may result from construction operations.
18. Upon completion of construction, the Construction Coordinator will be required to submit to the DEPARTMENT final as-built plans and an engineering certification that construction was completed in accordance with the Plans. Prior to the termination of this Agreement, the Construction Coordinator shall remove its presence, including, but not limited to, all of the Construction Coordinator's property, machinery, and equipment from DEPARTMENT right of way and shall restore those portions of DEPARTMENT right of way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project.
19. If the DEPARTMENT determines that the Project is not completed in accordance with the Provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the Construction Coordinator. The Construction Coordinator shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the Construction Coordinator and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the Construction Coordinator fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the Construction Coordinator with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) file a claim against the payment and performance bond with the Surety for correction of the deficiency(ies) and completion of the contract; or 3) correct the deficiency(ies) at the Construction Coordinator's sole cost and expense, without DEPARTMENT liability to the Construction Coordinator for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the Construction Coordinator with an invoice for the costs incurred by the DEPARTMENT and the Construction Coordinator shall pay the invoice within thirty (30) days of the date of the invoice. If no payment is received within thirty (30) days from date of invoice submittal, the DEPARTMENT will file a claim against the bond for all expenses incurred, including services incidental to collecting losses.
20. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in amount and shall not exceed the limitations of liability for tort actions as set forth in Section 768.28(5), Florida Statutes.
21. All formal notices, proposed changes and determinations between the parties hereto and those required by this Agreement, including, but not limited to, changes to the notification addresses set forth below, shall be in writing and shall be sufficient if mailed by regular United States mail, postage prepaid, to the parties at the contact information listed below. Electronic means of communication shall be sufficient if emailed to the parties at the contact information listed below.
22. The Construction Coordinator shall not cause any liens or encumbrances to attach to any portion of DEPARTMENT right of way.
23. This Agreement shall be governed by the laws of the State of Florida in terms of interpretation and performance. Venue for any and all actions arising out of or in any way related to the interpretation, validity, performance or breach of this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Leon County, Florida.
24. The Construction Coordinator may not assign, pledge or transfer any of the rights, duties and obligations provided in this Agreement without the prior written consent of the DEPARTMENT'S District Secretary or his/her designee. The DEPARTMENT has the sole discretion and authority to grant or deny proposed assignments, with or without cause. Nothing herein shall prevent the Construction Coordinator from delegating its duties hereunder, but such delegation shall not release the Construction Coordinator from its obligation to perform this Agreement.
25. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations, or remedies upon any other person or entity except as expressly provided for herein.
26. This instrument, together with the attached exhibits and documents made part hereof by reference, contain the entire agreement of the parties and no representations or promises have been made except those that are specifically set out in this Agreement. All prior and contemporaneous conversations, negotiations, possible and alleged agreements and representations, covenants, and warranties with respect to the subject matter of this Agreement, and any part hereof, are waived, merged herein and superseded hereby.
27. By their signature below, the parties hereby acknowledge the receipt, adequacy and sufficiency of consideration provided in this Agreement and forever waive the right to object to or otherwise challenge the same.
28. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquishment in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.
29. No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.
30. If any section, paragraph, clause or provision of this Agreement is adjudged by a court, agency or authority of competent jurisdiction to be invalid, illegal or otherwise unenforceable, all remaining parts of this Agreement shall remain in full force and effect and the parties shall be bound thereby so long as principal purposes of this Agreement remain enforceable.
31. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement. Modifications to the Agreement shall be included in Appendix B.

32. The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorneys' fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the DEPARTMENT'S right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the DEPARTMENT in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.
33. The Construction Coordinator shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Construction Coordinator during the term of the contract; and
34. The Construction Coordinator shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
35. The Construction Coordinator shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Coordinator in conjunction with this Agreement. Specifically, if the Construction Coordinator is acting on behalf of a public agency the Construction Coordinator shall:
  - A. Keep and maintain public records that ordinarily and necessarily would be required by the DEPARTMENT in order to perform the services being performed by the Construction Coordinator.
  - B. Provide the public with access to public records on the same terms and conditions that the DEPARTMENT would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
  - C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
  - D. Meet all requirements for retaining public records and transfer, at no cost, to the DEPARTMENT all public records in possession of the Construction Coordinator upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the DEPARTMENT in a format that is compatible with the information technology systems of the DEPARTMENT. Failure by the Construction Coordinator to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the DEPARTMENT. The Construction Coordinator shall promptly provide the DEPARTMENT with a copy of any request to inspect or copy public records in possession of the Construction Coordinator and shall promptly provide the DEPARTMENT a copy of the Construction Coordinator's response to each such request.
36. The Charlotte County Public Works Department shall notify DEPARTMENT Right-of-way inspector, at least two weeks in advance before commencing construction activities in the DEPARTMENT'S right-of-way. Additionally, the Charlotte County Public Works Department shall submit a Road Watch notification form at least two weeks prior to commencing construction activities in the DEPARTMENT'S right-of-way.
37. The Charlotte County Public Works Department understands and agrees that lane closures between the hours of 6am and 7pm are not allowed throughout the duration of the construction project.
38. The Charlotte County Public Works Department understands it is the responsibility of the Charlotte County Public Works Department to work with the Cranberry Commons Developers to increase the capacity of the existing US 41 SB left to NB Cranberry from one operating lane to two operating lanes. The second turn lane improvements shall be coordinated with the construction of the Roundabout at Cranberry and Hillsborough and shall be in place open to traffic concurrent with the completion of the second NB receiving lane on Cranberry. A construction agreement with Charlotte County Public Works Department for the turn lane construction is required to be executed and in place 90 days or sooner prior to the completion of the roundabout construction.

**IF THE CONSTRUCTION COORDINATOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSTRUCTION COORDINATOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

Central Office  
850-414-5355  
COprcustodian@dot.state.fl.us  
Office of the General Counsel  
Florida Department of Transportation  
605 Suwannee Street, MS 58  
Tallahassee, FL 32399-0458

**CONSTRUCTION COORDINATOR CONTACT INFORMATION:**

Name Joanne Vernon Title County Engineer  
Office No. (941) 743-1200 Cell \_\_\_\_\_ Email Joanne.Vernon@CharlotteCountyFL.gov  
Address 18500 Murdock Circle Port Charlotte, FL  
33948

**DEPARTMENT CONTACT INFORMATION:**

Name Randy Weng Title Permits Manager  
Office No. (239) 985-7807 Cell \_\_\_\_\_ Email Randy.Weng@dot.state.fl.us  
Address 2981 NE Pine Island Rd Cape Coral, FL 33909

IN WITNESS WHEREOF, Construction Coordinator and the DEPARTMENT have executed this Agreement for the purposes herein expressed on the dates indicated below.

**CONSTRUCTION COORDINATOR - Board of County Commissioners, Charlotte County, Florida**

By: \_\_\_\_\_ (Signature)

Joseph M. Tiseo (Print Name)

Chairman (Title)

September 9, 2025 (Date)

**DEPARTMENT OF TRANSPORTATION**

By: \_\_\_\_\_ (Signature)

\_\_\_\_\_ (Print Name)

\_\_\_\_\_ (Title)

\_\_\_\_\_ (Date)

Legal Review:

\_\_\_\_\_

Attest:

Roger D. Eaton, Clerk of the  
Circuit Court and Ex-officio  
Clerk of the Board of County  
Commissioners

By: \_\_\_\_\_ Deputy Clerk

**APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY:**

Janette S. Knowlton, County Attorney  
6225-0732



# Exhibit A / Construction Plans

## CONTRACT PLANS COMPONENTS

ROADWAY PLANS  
SIGNING AND PAVEMENT MARKING PLANS  
SIGNALIZATION PLANS  
LIGHTING PLANS  
LANDSCAPE PLANS

A DETAILED INDEX APPEARS ON THE  
KEY SHEET OF EACH COMPONENT

## INDEX OF ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION

- | SHEET NO. | SHEET DESCRIPTION                 |
|-----------|-----------------------------------|
| 1         | KEY SHEET                         |
| 2         | SIGNATURE SHEET                   |
| 3 - 4     | SUMMARY PAY ITEMS                 |
| 5 - 9     | TYPICAL SECTIONS                  |
| 10        | SUMMARY DRAINAGE STRUCTURES       |
| 11 - 14   | PROJECT LAYOUT AND CONTROL        |
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| 16        | EROSION CONTROL DETAIL SHEET      |
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| 35 - 37   | POND DETAILS                      |
| 38 - 41   | POND 4 CROSS SECTIONS             |
| 42 - 56   | CROSS SECTIONS                    |
| 57 - 62   | TEMPORARY TRAFFIC CONTROL PLAN    |
| 63 - 67   | UTILITY ADJUSTMENT SHEETS         |

UTV-1 • VERIFIED UTILITY LOCATE SHEET

\* These sheets are included in the Index of Roadway Plans only to indicate that they are part of the Roadway Plans. These sheets are contained in a separate digitally signed and sealed document.

## GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

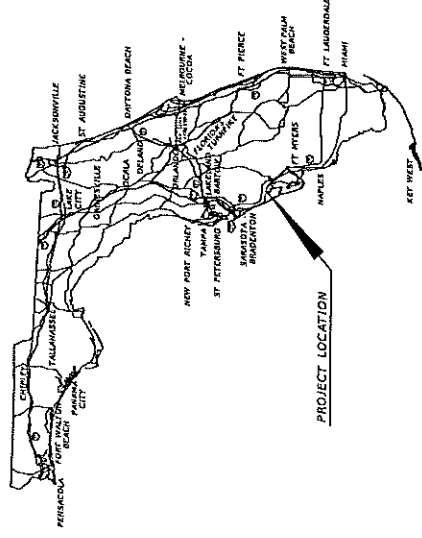
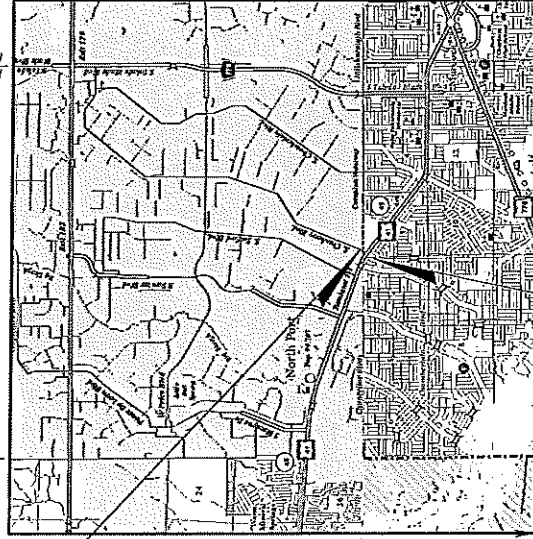
APPLICABLE IRs: None

## GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/implemented/specbooks>

## CONTRACT PLANS

S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
ROUNDABOUT



ROADWAY PLANS  
ENGINEER OF RECORD:

GARY J. MADEAU, P.E.  
P.E. LICENSE NUMBER 49629  
KIMLEY-HORN AND ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236

CITY OF NORTH PORT  
PROJECT MANAGER:  
ANTHONY FRIEDMAN, P.E.

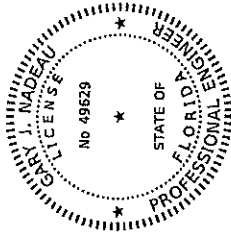
FDOT PERMIT  
SUBMITTAL  
FEBRUARY 2025

SR 45  
SECTION: 0101000  
M.P. 25.337 - 25.946  
PERMIT # 2023-C-192-00003 - CONSTRUCTION AGREEMENT  
PERMIT # 2023-O-192-00014 - DRAINAGE

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 25          | 1         |

Exhibit A, 1 of 87

THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY



ON THE DATE ADJACENT TO THE SEAL  
PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED  
AND THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.

KINLEY-HORN AND ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236  
GARY J. NADEAU, P.E. NO. 49629

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE  
FOLLOWING SHEETS IN ACCORDANCE WITH FULE 61015-23.004, F.A.C.

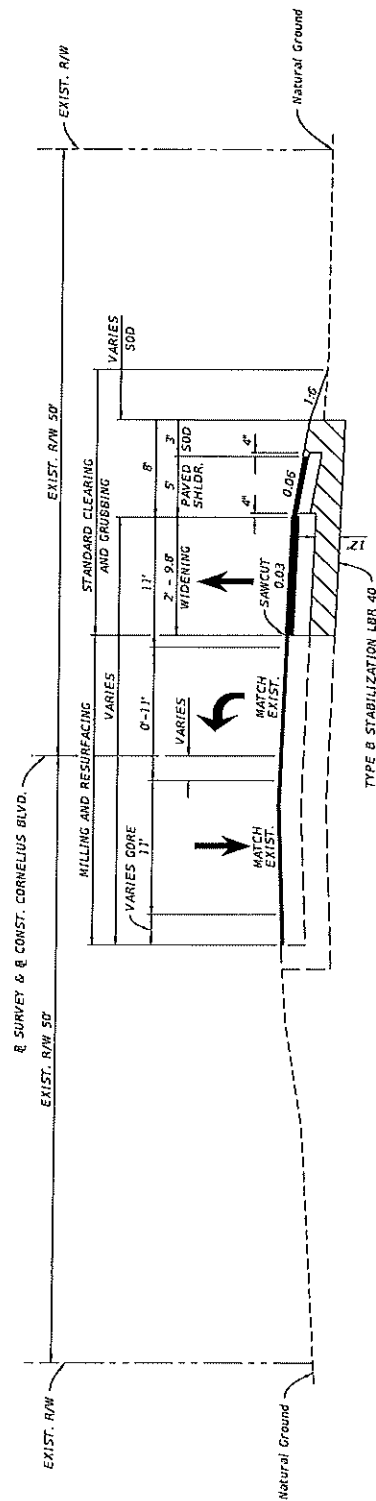
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|             |  |                    |  |                  |  |             |  |                    |  |                                                                                                                                                                |  |                                                                                                                              |  |                 |  |                   |  |
|-------------|--|--------------------|--|------------------|--|-------------|--|--------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|-------------------|--|
| DATE: _____ |  | DESCRIPTION: _____ |  | REVISIONS: _____ |  | DATE: _____ |  | DESCRIPTION: _____ |  | ENGINEER OF RECORD:<br>GARY J. NADEAU, P.E.<br>LICENSE NUMBER 49629<br>KINLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |  | SIGNATURE SHEET |  | SHEET<br>NO.<br>2 |  |
|-------------|--|--------------------|--|------------------|--|-------------|--|--------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|-------------------|--|

| ITEM NO.                                  |             | ITEM DESCRIPTION | UNIT                 | PROJECT QUANTITY |  |  |
|-------------------------------------------|-------------|------------------|----------------------|------------------|--|--|
| <b>REVISIONS</b>                          |             |                  |                      |                  |  |  |
| DATE                                      | DESCRIPTION | DATE             | DESCRIPTION          |                  |  |  |
| ENGINEER OF RECORD                        |             |                  |                      |                  |  |  |
| CLARY & NORTON, P.C.                      |             |                  |                      |                  |  |  |
| LICENSE NUMBER 49629                      |             |                  |                      |                  |  |  |
| KINLEY-HORN AND ASSOCIATES, INC.          |             |                  |                      |                  |  |  |
| 1800 SECOND STREET, SUITE 300             |             |                  |                      |                  |  |  |
| SARASOTA, FL 34236                        |             |                  |                      |                  |  |  |
| City of North Port                        |             |                  | SUMMARY OF PAY ITEMS |                  |  |  |
| ROUNDABOUT AT                             |             |                  | SHEET NO.            |                  |  |  |
| S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |             |                  | 3                    |                  |  |  |
| SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |             |                  | Exhibit A, 3 of 87   |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY</b>                   |             |                  |                      |                  |  |  |
| <b>ITEM NO.</b>                           |             |                  |                      |                  |  |  |
| <b>ITEM DESCRIPTION</b>                   |             |                  |                      |                  |  |  |
| <b>UNIT</b>                               |             |                  |                      |                  |  |  |
| <b>PROJECT QUANTITY&lt;/</b>              |             |                  |                      |                  |  |  |

| ITEM NO.                 | ITEM DESCRIPTION                                                                         | UNIT | PROJECT QUANTITY |
|--------------------------|------------------------------------------------------------------------------------------|------|------------------|
| Lighting                 |                                                                                          |      |                  |
| 0630 2 11                | CONDUIT, FURNISH & INSTALL, OPEN TRENCH                                                  | LF   | 1135             |
| 0630 2 12                | CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE                                             | LF   | 380              |
| 0635 2 11                | PULL & SPLICE BOX F&I, 13" x 24" COVER SIZE                                              | EA   | 21               |
| 0639 1 112               | ELECTRICAL POWER SERVICE, F&I, OVERHEAD METER PURCHASED BY CONTRACTOR FROM POWER COMPANY | AS   | 1                |
| 0639 2 1                 | ELECTRICAL SERVICE WIRE, FURNISH & INSTALL                                               | LF   | 10               |
| 0639 3 11                | ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT                                           | EA   | 1                |
| 0715 1 12                | LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6                                             | LF   | 5588             |
| 0715 7 11                | LOAD CENTER, F&I, SECONDARY VOLTAGE                                                      | EA   | 1                |
| 0715 511 130             | LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I, SINGLE SHOULDER MOUNT, ALUMINUM, 30'          | EA   | 13               |
| 0715 512 130             | LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I, DOUBLE ARM SHOULDER MOUNT, ALUMINUM, 30'      | EA   | 2                |
| 0715 500 1               | POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL                                             | EA   | 15               |
| Landscape and Irrigation |                                                                                          |      |                  |
| -                        | CARDONARD PALM - 25 GAL                                                                  | EA   | 4                |
| -                        | AFRICAN IRIS - 3 GAL                                                                     | EA   | 386              |
| -                        | PINK MUHLY GRASS - 3 GAL                                                                 | EA   | 103              |
| -                        | FLORIDA COONTE - 7 GAL                                                                   | EA   | 236              |
| -                        | PERENNIAL PEANUT - SOD                                                                   | SF   | 1189             |
| -                        | RAIN BIRD RO 1800 SERIES SPRAY HEAD                                                      | EA   | 14               |
| -                        | RAIN BIRD PEB 2"                                                                         | EA   | 1                |
| -                        | SHUT OFF VALVE                                                                           | EA   | 1                |
| -                        | AIR RELIEF VALVE                                                                         | EA   | 1                |
| -                        | DRAIN VALVE                                                                              | EA   | 1                |
| -                        | WATTS LF90DM1 2-1/4"                                                                     | EA   | 1                |
| -                        | RAIN BIRD ESPBLW/LWM-LXMPED                                                              | EA   | 1                |
| -                        | RAIN BIRD RSD-BEX                                                                        | EA   | 1                |
| -                        | IRRIGATION PIPE SLEEVE                                                                   | LF   | 79               |
| -                        | IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3/4"                                       | LF   | 303              |
| -                        | IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 1"                                             | LF   | 51               |
| -                        | 2" METER                                                                                 | EA   | 1                |
| -                        | 2" BACKFLOW                                                                              | EA   | 1                |
| -                        | 2" SHUT OFF VALVE                                                                        | EA   | 1                |

|      |             |           |      |             |                                                                                                                                         |                                                                                                        |                      |           |
|------|-------------|-----------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------|-----------|
| DATE | DESCRIPTION | REVISIONS | DATE | DESCRIPTION | ENGINEER OF RECORD                                                                                                                      | CITY OF NORTH PORT                                                                                     | SUMMARY OF PAY ITEMS | SHEET NO. |
|      |             |           |      |             | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |                      | 4         |



TYPICAL SECTION  
(SOUTHWEST OF ROUNDABOUT)  
CORNELIUS BLVD.  
STA. 13+29.83 TO STA. 19+37.93

US HWY 41 (OTHER THAN TRAVEL LANES)  
STA. 13+29.83 TO STA. 18+10.60  
STA. 18+10.60 TO STA. 18+58.05  
STA. 18+58.05 TO STA. 19+26.03  
(SEE PLAN SHEETS FOR SPECIFIC LOCATIONS)

US HWY 41 (TRAVEL LANES)  
STA. 18+10.60 TO STA. 18+58.05  
STA. 18+58.05 TO STA. 19+26.03  
(SEE PLAN SHEETS FOR SPECIFIC LOCATIONS)

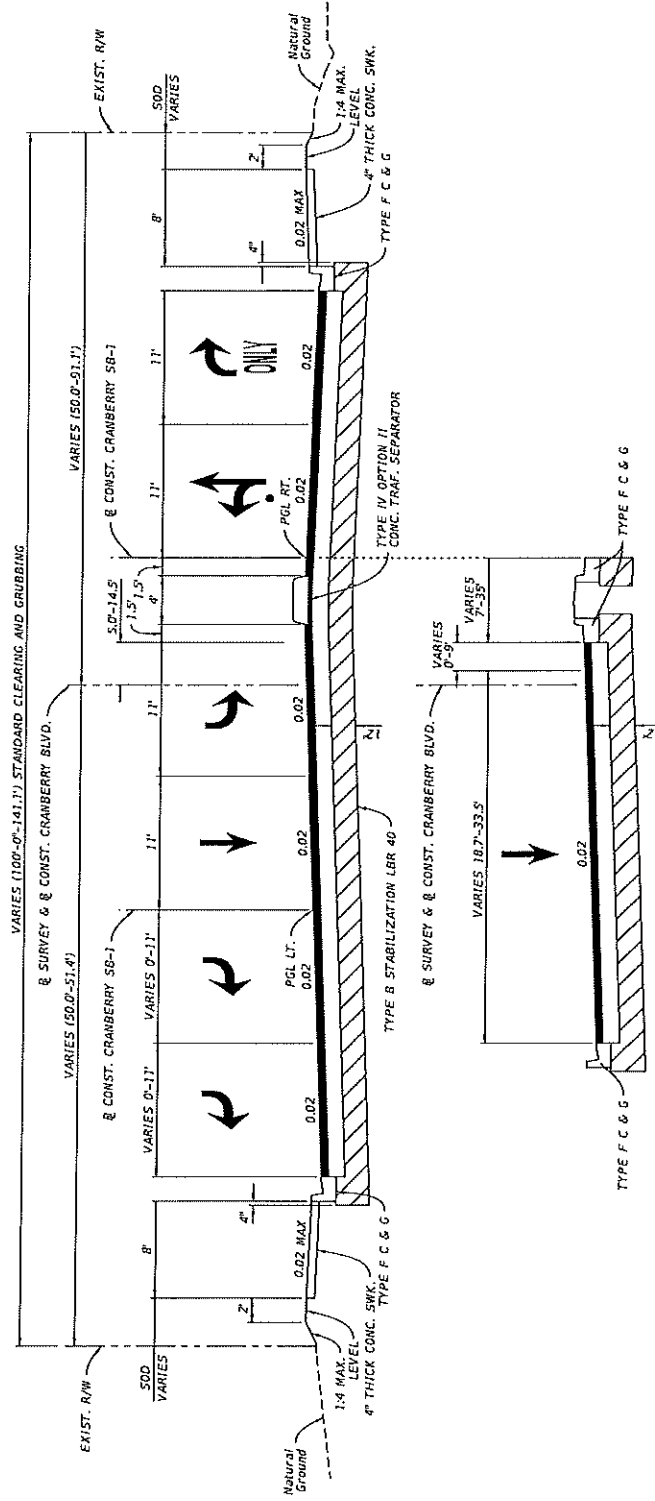
- MILLING  
MILL EXISTING ASPHALT PAVEMENT (1.5" AVG. DEPTH)
- RESURFACING  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)
- WIDENING  
OPTIONAL BASE GROUP 1  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.0") (PG 76-22)  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)
- SHOULDERS  
OPTIONAL BASE GROUP 1  
FRICTION COURSE FC-12.5 (1.5") (PG 76-22)

- MILLING AND RESURFACING  
MILL EXISTING ASPHALT PAVEMENT (2.5" AVG. DEPTH)  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5") (PG 76-22)  
FRICTION COURSE FC-5 (1.0") (PG 76-22)

TRAFFIC DATA  
CURRENT YEAR = 2023 ADOT = 7600  
ESTIMATED OPENING YEAR = 2024 ADOT = 7800  
ESTIMATED DESIGN YEAR = 2044 ADOT = 10500  
K = 9.0% D = 55.0% T = 14.5% (24 HOUR)  
DESIGN HOUR T = 7.2%  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 40 MPH

| REVISIONS |             | ENGINEER OF RECORD |             | TYPICAL SECTIONS (1)                                                                                                         |  | SHEET NO. |
|-----------|-------------|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|--|-----------|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION | CITY OF NORTH PORT<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |  |           |
|           |             |                    |             |                                                                                                                              |  | 5         |





STA. 21+85.50 TO STA. 22+45.96

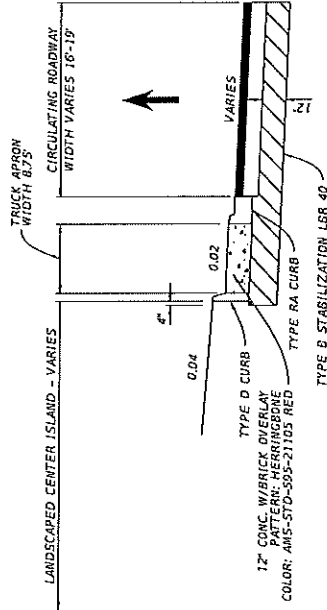
TYPICAL SECTION  
CRANBERRY BLVD.  
STA. 19+37.93 TO STA. 22+45.96

TRAFFIC DATA

|                        |                   |
|------------------------|-------------------|
| CURRENT YEAR           | 2023 ADOT = 7800  |
| ESTIMATED OPENING YEAR | 2024 ADOT = 7800  |
| ESTIMATED DESIGN YEAR  | 2044 ADOT = 19500 |
| K                      | 9.0%              |
| D                      | 55.0%             |
| T                      | 14.5% (24 HOUR)   |
| DESIGN HOUR T          | 7.2%              |
| DESIGN SPEED           | 25 MPH            |
| POSTED SPEED           | 25 MPH            |

NEW CONSTRUCTION  
OPTIONAL BASE GROUP 11  
TYPE SP STRUCTURAL COURSE (TRAFFIC C11.2) (PG 76-22)  
FUNCTION COURSE (C11.2.5) (TRAFFIC C11.2.5) (PG 76-22)

| DATE                 | DESCRIPTION | REVISIONS | DATE | DESCRIPTION | ENGINEER OF RECORD                                                                                                                       | CITY OF NORTH PORT                                                                                     | SHEET NO. |
|----------------------|-------------|-----------|------|-------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------|
|                      |             |           |      |             | CARY J. HADZIMA, P.E.<br>LICENSE NUMBER 49629<br>KINLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | 6         |
| TYPICAL SECTIONS (2) |             |           |      |             |                                                                                                                                          |                                                                                                        |           |



TYPICAL SECTION  
(CIRCULATING ROADWAY AND TRUCK APRON)  
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.

TRAFFIC DATA

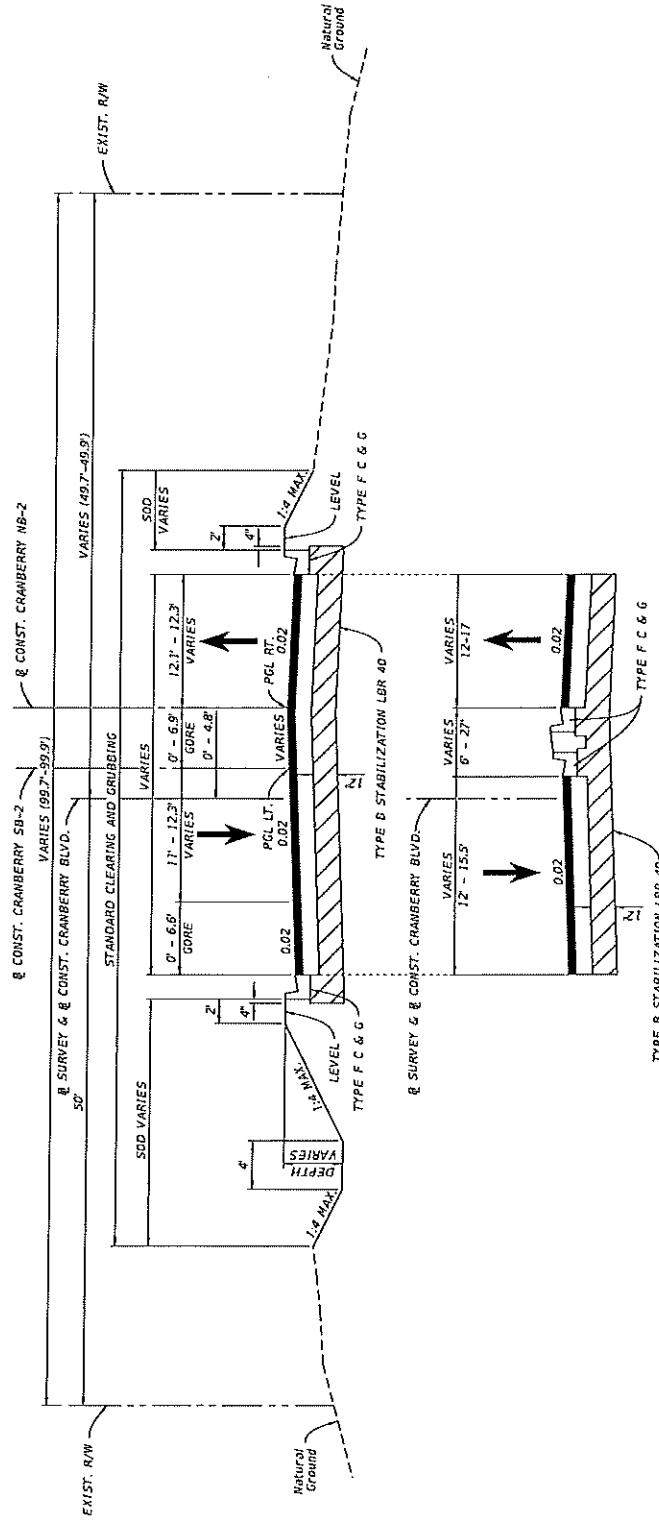
CURRENT YEAR = 2023 ADT = 7800  
ESTIMATED OPENING YEAR = 2024 ADT = 7800  
ESTIMATED DESIGN YEAR = 2044 ADT = 10500  
K = 9.0% D = 55.0% T = 14.5% (24 HOUR)  
DESIGN HOUR T = 7.2%  
DESIGN SPEED = 25 MPH  
POSTED SPEED = 25 MPH

NEW CONSTRUCTION

OPTIONAL BASE COURSE 1)  
TYPE 5P STRUCTURAL COURSE (TRAFFIC C) (2.0") (PG 76-22)  
FRICTION COURSE FC-123 (TRAFFIC C) (1.5") (PG 76-22)

| REVISIONS |             | ENGINEER OF RECORD                                                                                                                      |                                                                                                                              | SHEET NO. |
|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------|
| DATE      | DESCRIPTION | DATE                                                                                                                                    | DESCRIPTION                                                                                                                  |           |
|           |             | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | 7         |

TYPICAL SECTIONS (3)



TYPICAL SECTION  
CRANBERRY BLVD.

STA. 24+53.77 TO STA. 26+37.64

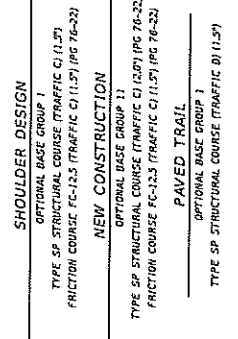
## TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 7600  
ESTIMATED OPENING YEAR = 2024 AADT = 7800  
ESTIMATED DESIGN YEAR = 2044 AADT = 10500  
 $K = 9.0\%$   $D = 55.0\%$   $T = 14.5\%$  (24 HOUR)  
DESIGN HOUR  $T = 7.2\%$   
DESIGN SPEED = 25 MPH  
POSTED SPEED = 35 MPH

## NEW CONSTRUCTION

| OPTIONAL BASE GROUP 11                                  |
|---------------------------------------------------------|
| TYPE 5P STRUCTURAL COURSE (TRAFFIC C) (2.0") (PG 76-22) |
| FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)   |

|      |  |             |  |           |      |             |                                                                                                                                         |                                                                                                                              |                      |           |
|------|--|-------------|--|-----------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|
| DATE |  | DESCRIPTION |  | REVISIONS | DATE | DESCRIPTION | ENGINEER OF RECORD                                                                                                                      | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | TYPICAL SECTIONS (4) | SHEET NO. |
|      |  |             |  |           |      |             | CARY J. MADEAU, P.E.<br>LICENSE NUMBER 40629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 300<br>SARASOTA, FL 34236 |                                                                                                                              |                      | 8         |



TYPICAL SECTION  
HILLSBOROUGH BLVD.  
STA. 35+18.21 TO STA. 36+28.10

**TRAFFIC DATA**

CURRENT YEAR = 2023  
ESTIMATED OPENING YEAR = 2024  
ESTIMATED DESIGN YEAR = 2044  
K = 9.0% D = 55.0% T = 14.5% F = 7.2%  
DESIGN HOUR T = 7.2%  
POSTED SPEED = 25 MPH

| REVISIONS |             | DESCRIPTION                                                                                                                                                                     | DATE |
|-----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| DATE      | DESCRIPTION |                                                                                                                                                                                 |      |
|           |             | <b>ENGINEER OF RECORD</b><br><br><b>GARY J. MADEAU, P.E.</b><br>LICENSE NUMBER 48829<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 300<br>SARASOTA, FL 34236 |      |

**City of North Port**

ROUNDABOUT AT  
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.

SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

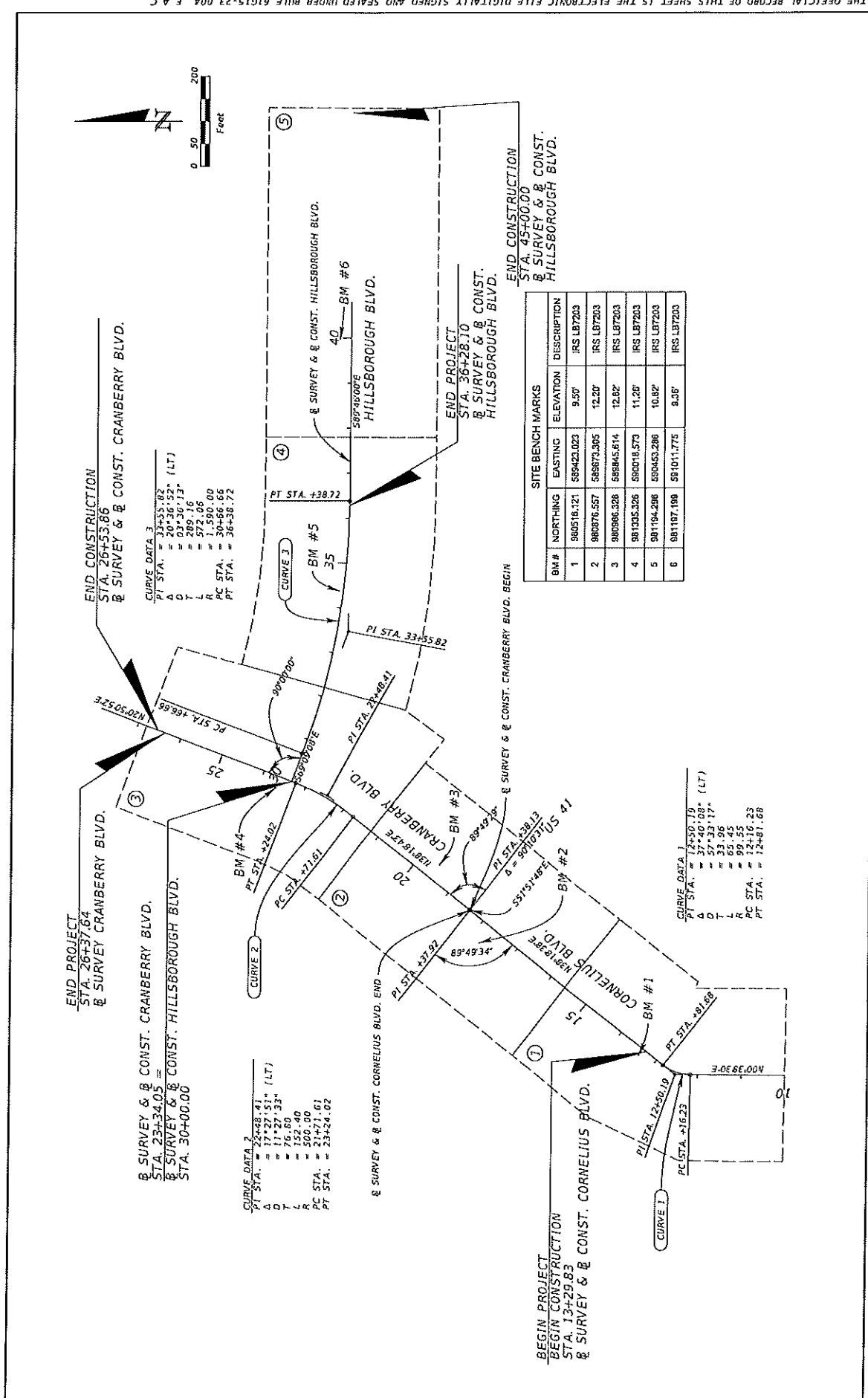
**TYPICAL SECTIONS (6)**

SHEET NO. 9

## SUMMARY OF DRAINAGE STRUCTURES

[illegible]

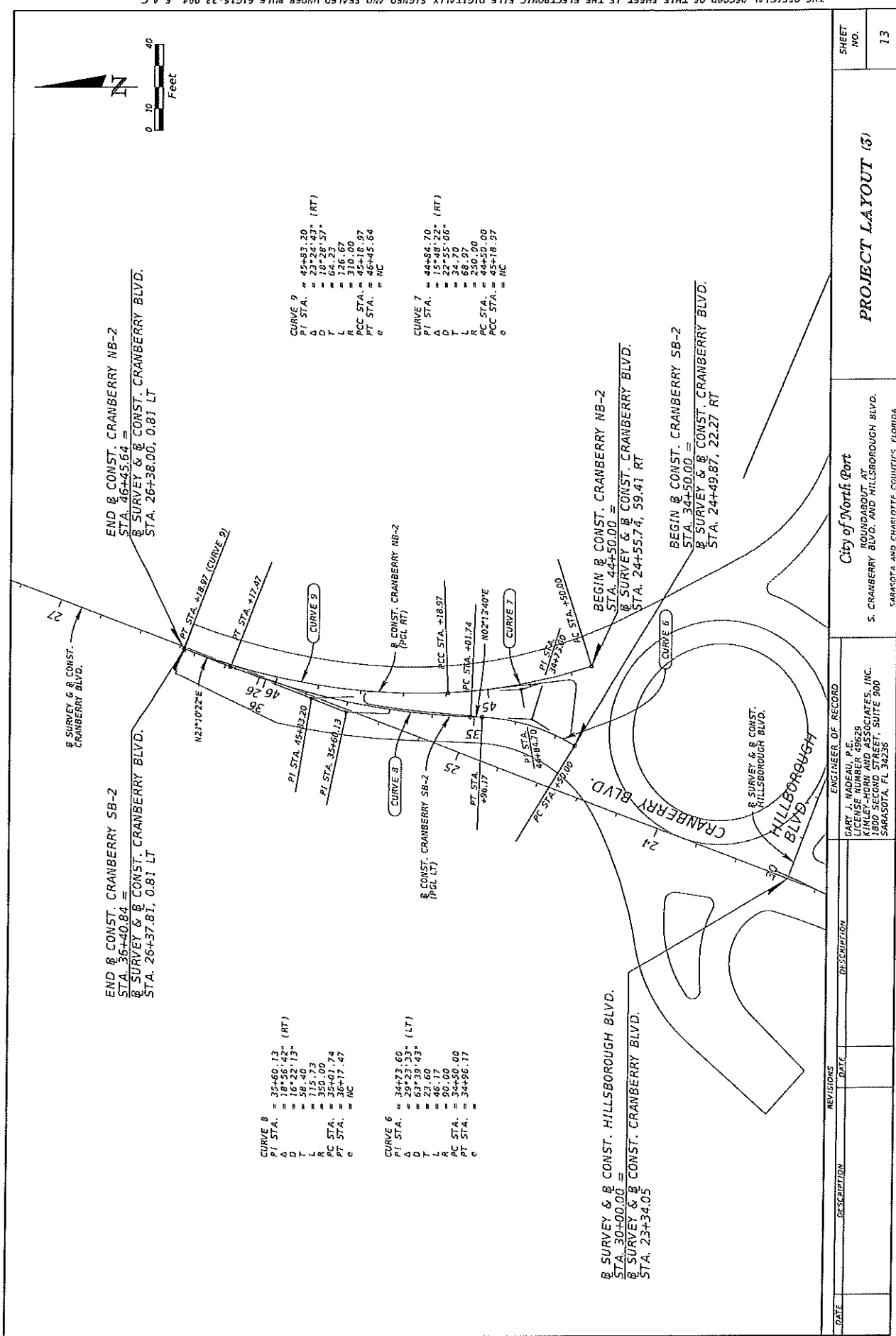
Exhibit A, 10 of 87

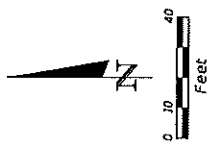
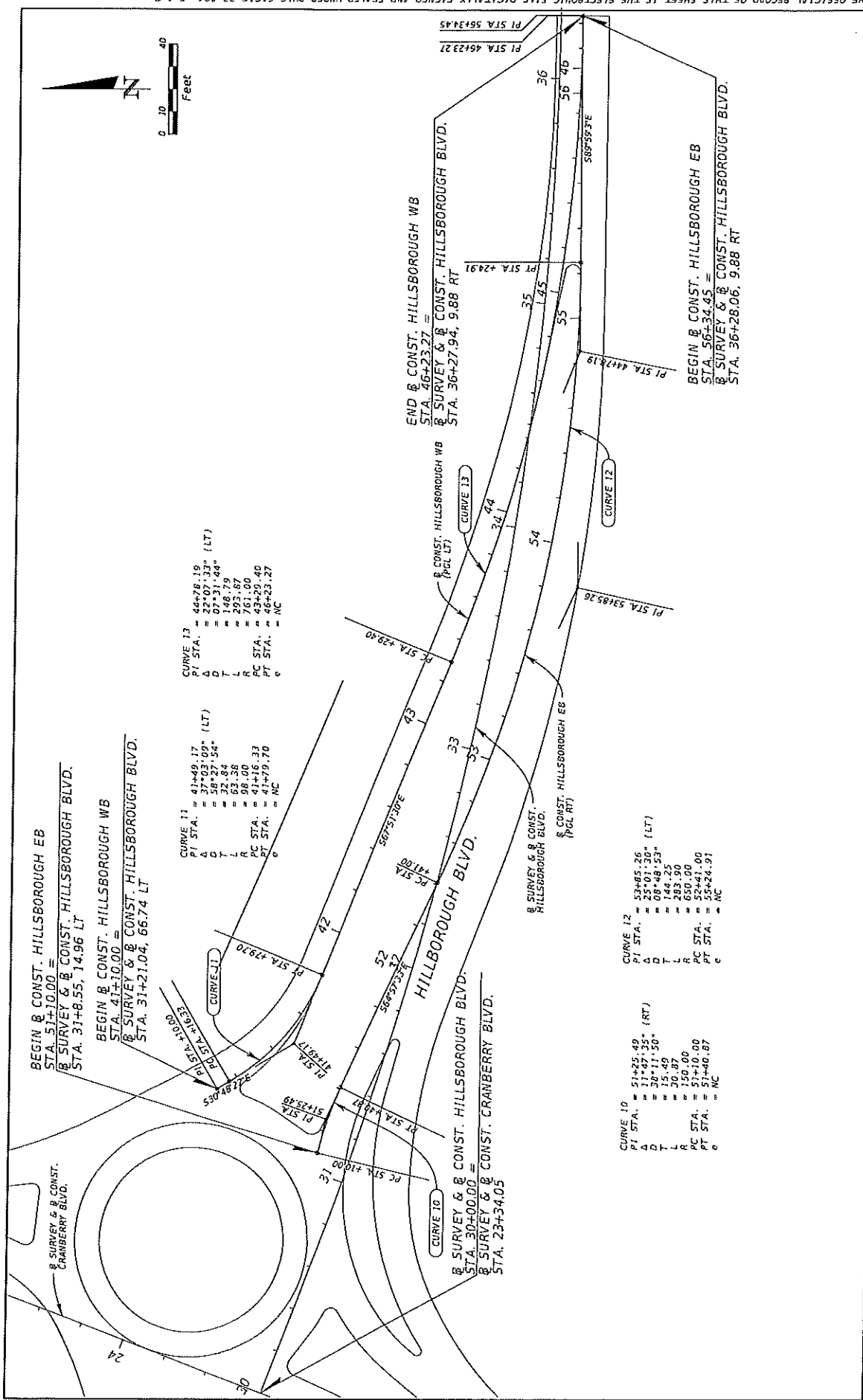


| DATE | DESCRIPTION | REVISIONS | DATE | DESCRIPTION | ENGINEER OF RECORD                                                                                                           | CITY OF NORTH PORT | SHEET NO. |
|------|-------------|-----------|------|-------------|------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|
|      |             |           |      |             | CITY OF NORTH PORT<br>ROUNDABOUT AT<br>5. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | PROJECT LAYOUT (1) | 11        |









| REVISIONS |             | ENGINEER OF RECORD |             | PROJECT LAYOUT (4)                                                                                                           | SHEET NO. |
|-----------|-------------|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|-----------|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION |                                                                                                                              |           |
|           |             |                    |             | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | 14        |

Exhibit A, 14 of 87

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

1. CONTROL POINT ELEVATIONS SHOWN ON THE PLANS ARE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD 88)
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

1. CONTROL POINT ELEVATIONS SHOWN ON THE PLANS ARE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD 88)
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:  

RUSSELL P. HYATT, P.S.M.  
P.S.M. NO: 5303  
HYATT SURVEY SERVICES, INC.  
2012 LENA ROAD  
BAGDERTON, FL 34211
3. THE CONVERSION FACTOR BETWEEN NAVD 88 AND NGVD 29 WILL BE PROVIDED AT A LATER SUBMITTAL.
4. SEE PROJECT LAYOUT SHEETS FOR BASELINE GEOMETRY AND OTHER ALIGNMENT INFORMATION.
5. EXISTING DRAINAGE STRUCTURES AND PIPES TO BE REMOVED UNLESS OTHERWISE NOTED. COST WILL BE INCLUDED IN CLEARING AND GRUBBING.
6. RESOD ALL DISTURBED AREAS INCLUDING THOSE WITHIN THE FOOT ROW. SOD WILL BE EVENLY ROLLED. SOD EDGES WILL NOT BE HIGHER THAN ADJACENT PAVEMENT AND/OR CONCRETE.
7. CARPOCK IS ANTICIPATED IN THE EXCAVATION OF THE POND 4. COST ASSOCIATED WITH THE EXCAVATION OF THE CARPOCK WILL BE INCLUDED IN THE PAY ITEM 0120-1 REGULAR EXCAVATION, CT.

1. THE CONTRACTOR SHALL INSPECT ALL BMP ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST EROSION CONTROL PLAN.
2. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

1. THE CONTRACTOR SHALL INSPECT ALL BMP ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST EROSION CONTROL PLAN.
2. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.
3. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.
4. ANY STATION WHERE TURBIDITY LEVELS ARE OUT OF COMPLIANCE WITH THE CITY AND FLORIDA WATER MANAGEMENT DISTRICTS STANDARDS SHALL BE REPORTED TO THE CITY AND FLORIDA WATER MANAGEMENT DISTRICTS IMMEDIATELY. THE CORRESPONDING FLORIDA WATER MANAGEMENT DISTRICT DEVELOPMENT SHALL BE SUSPENDED UNTIL TURBIDITY LEVEL REACH NO MORE THAN 25 NTUS ABOVE BACKGROUND LEVELS.
5. THE CONTRACTOR SHALL PROVIDED A COPY OF THE RESPONSE LETTER FROM THE DEPARTMENT OF ENVIRONMENTAL PROTECTION APPROVING THE NOTICE OF INTENT (NOI) TO USE THE CONSTRUCTION GENERAL PERMIT (CGP).
6. THE CONTRACTOR SHALL FILE FOR A FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF TERMINATION (NOT) WITHIN FOURTEEN (14) DAYS OF CONSTRUCTION COMPLETION.
7. THE CONTRACTOR SHALL INSTALL AND MAINTAIN BAIN GAGES AND RECORD RAINFALL.
8. BEFORE ANY DRAINING ACTIVITIES CAN BEGIN THAT RESULT IN OFF SITE DISCHARGE, A DEWATERING PLAN MUST BE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE FLORIDA WATER MANAGEMENT DISTRICT FOR REVIEW AND WRITTEN APPROVAL.

THE PLAN SHOULD INCLUDE THE LOCATION OF THE DEWATERING SITES, THE DEWATERING PUMP, SEDIMENT SUMP, AND SIZING CALCULATIONS, METHODS TO RETAIN OR DETAIN DISCHARGE, METHODS OF ISOLATING THE DEWATERING AREAS, FLOW PATHS, AND POINTS OF DISCHARGE. TURBIDITY LEVELS TO BE NO MORE THAN 29 NTUS ABOVE BACKGROUND LEVEL PRIOR TO DISCHARGE OFF SITE.

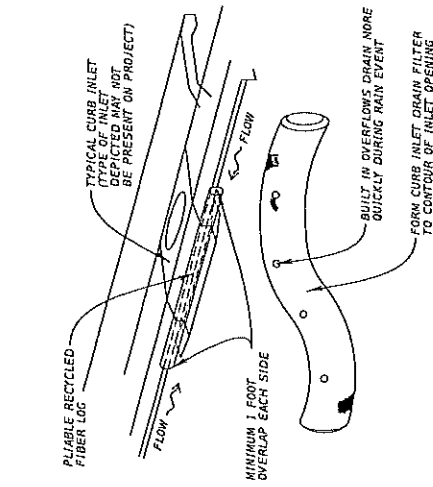
1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH, AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

- |    |                                                                                                                                                                                                                                                                                             |                 |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2. | IMMEDIATELY NOTIFY THE OWNER'S PROJECT MANAGER REGARDING CONFLICTS OR DISCREPANCIES ARISING DURING CONSTRUCTION.                                                                                                                                                                            |                 |
| 3. | ALL EXISTING AND NEW VALVES, VALVE BOXES, ARMS, FIRE HYDRANTS, AND MANHOLES SHALL BE PROTECTED TO THE EXTENT REQUIRED TO REMAIN IN THE EXISTING GRADE AS SHOWN IN THE PLANS. ALL EXISTING ABOVE GROUND VALVES WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE RELOCATED OR ADJUSTED AS REQUIRED. |                 |
| 4. | NOTIFY CITY OF NORTH PORT UTILITIES AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN PROXIMITY OF ITS FACILITIES.                                                                                                                                                  |                 |
| 5. | THE UTILITY ADJUSTMENTS SHOWN IN THE PLANS ARE INTENDED TO MAINTAIN THE INTEGRITY OF CITY OF NORTH PORT UTILITIES. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF NORTH PORT UTILITY STANDARDS.                                                                         |                 |
| 6. | UTILITY/AGENCY OWNERS:                                                                                                                                                                                                                                                                      |                 |
|    | COMPANY                                                                                                                                                                                                                                                                                     | CONTACT         |
|    | CENTURY LINK                                                                                                                                                                                                                                                                                | BILL MCCLLOUD   |
|    | FLORIDA POWER & LIGHT                                                                                                                                                                                                                                                                       | (850) 599-1444  |
|    | CHARLOTTE COUNTY UTILITIES                                                                                                                                                                                                                                                                  | (941) 725-3608  |
|    | ARCEC WILBERT                                                                                                                                                                                                                                                                               | (941) 240-8008  |
|    | CITY OF NORTH PORT UTILITIES                                                                                                                                                                                                                                                                | JENNIFER FEHRIS |
|    | CONCAST                                                                                                                                                                                                                                                                                     | (239) 253-7642  |
|    | CONCAST POWER AND LIGHT                                                                                                                                                                                                                                                                     | (386) 586-6403  |
|    | SARASOTA AND CHARLOTTE                                                                                                                                                                                                                                                                      | JOEL BRAY       |
|    | FRONTIER                                                                                                                                                                                                                                                                                    | (813) 875-1014  |
|    | VERIZON BUSINESS                                                                                                                                                                                                                                                                            | (813) 928-9881  |
|    | SCAGGS COMMERCIAL PUMP                                                                                                                                                                                                                                                                      | (813) 255-3783  |
|    | TECO - PIEDRALES GAS                                                                                                                                                                                                                                                                        | (813) 255-3783  |
|    | JOHN DORNING                                                                                                                                                                                                                                                                                |                 |

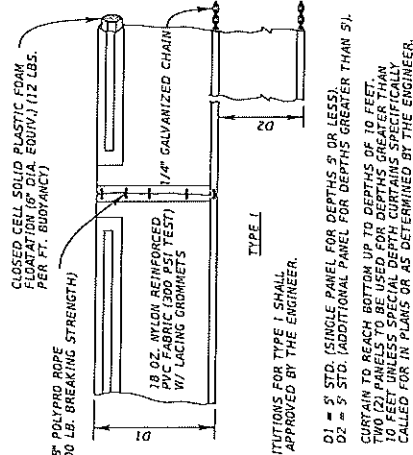
1. FOR ALL DRY PONDS, CONTRACTOR TO SCARIFY A MINIMUM OF 3 FEET BELOW ENTIRE POND BOTTOM. ANY CLAY AND HARD PAN MATERIAL FOUND MUST BE REPLACED WITH CLEAN FILL DIRT. ADD 2 INCHES OF TOP SOIL PRIOR TO FINAL GRADING WITH LIGHT MACHINERY TO ACHIEVE POND BOTTOM ELEVATION. APPLY HYDROSEED MULCH SNF ESTYNT HYDROSEED MULCH TO ENSURE GRASS GROWTH PRIOR TO FINAL CITY ACCEPTANCE.

1. FOR ALL DRY PONDS, CONTRACTOR TO SCARIFY A MINIMUM OF 3 FEET BELOW ENTIRE POND BOTTOM. ANY CLAY AND HARD PAN MATERIAL FOUND MUST BE REPLACED WITH CLEAN FILL DIRT. ADD 2 INCHES OF TOP SOIL PRIOR TO FINAL GRADING WITH LIGHT MACHINERY TO ACHIEVE POND BOTTOM ELEVATION. APPLY HYDROSEED MULCH SNF ESTYNT HYDROSEED MULCH TO ENSURE GRASS GROWTH PRIOR TO FINAL CITY ACCEPTANCE.

|      |  |             |  |           |  |                                                                                                                                                                                        |  |                                                                                                                                                                           |                             |           |
|------|--|-------------|--|-----------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------|
| DATE |  | DESCRIPTION |  | REVISIONS |  | ENGINEER OF RECORD                                                                                                                                                                     |  | <p><b>City of North Port</b><br/>         ROUNDABOUT AT<br/>         S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br/>         SARASOTA AND CHARLOTTE COUNTIES, FLORIDA.</p> | <p><b>GENERAL NOTES</b></p> | SHEET NO. |
|      |  |             |  |           |  | <p>GARY J. MADEAU, P.E.<br/>         LICENSE NUMBER 49629<br/>         KIMLEY-HORN AND ASSOCIATES, INC.<br/>         1800 SECOND STREET, SUITE 200<br/>         SARASOTA, FL 34236</p> |  |                                                                                                                                                                           |                             | 15        |



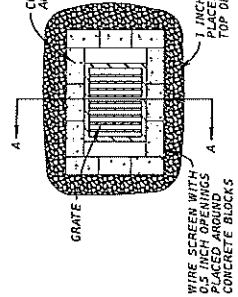
INLET PROTECTION



**NOTE:** SUBSTITUTIONS FOR TYPE I SHALL BE AS APPROVED BY THE ENGINEER

D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).  
D2 = 5' STD. (ADDITIONAL PANEL FOR DEPTHS GREATER THAN 5').  
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET.  
TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN  
10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY  
CALLED FOR IN PLANS OR AS DETERMINED BY THE ENGINEER.

### FLOATING TURBIDITY BARRIER DETAIL

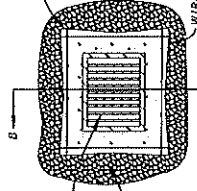


OPTION 1 - PLAN VIEW

1 INCH DIAMETER ROCK  
PLACED AROUND AND TO THE  
TOP OF CONCRETE BLOCKS

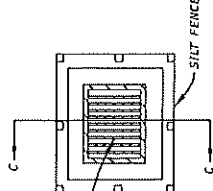
WIRE SCREEN WITH  
0.5 INCH OPENINGS  
PLACED AROUND  
CONCRETE BLOCKS

A

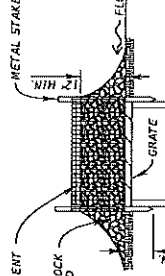


OPTION 2 - PLAN VIEW

A cross-sectional diagram of a wire screen assembly. It shows a central rectangular area filled with a grid of horizontal and vertical lines, representing the wire screen. This screen is held within a frame. Labels with leader lines point to various components: 'METAL STAKE' points to the top-left corner of the frame; 'WOODEN STAKE' points to the top-right corner; 'WIRE SCREEN WITH 0.5 INCH OPENINGS' points to the grid itself; and 'GRASS' points to the textured area surrounding the entire assembly.

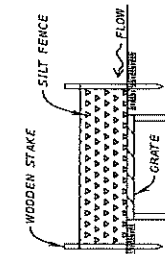


OPTION 3 - PLAN VIEW

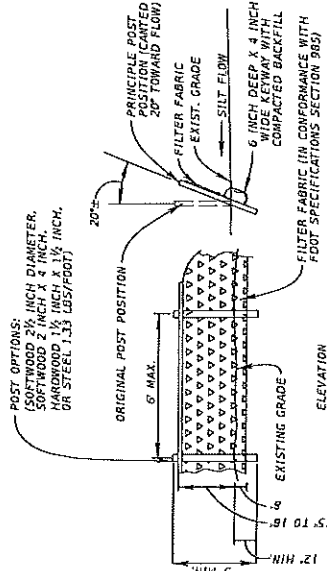


OPTION 1 - SECTION A-A

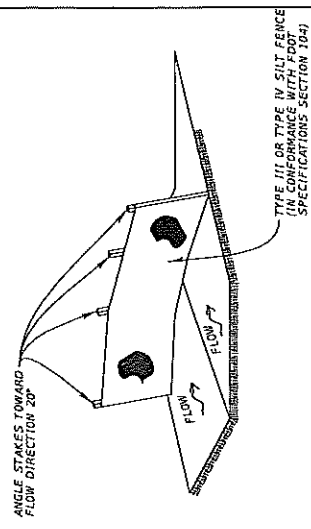
DITCH BOTTOM INLET PROTECTION



OPTION 3 - SECTION C-C

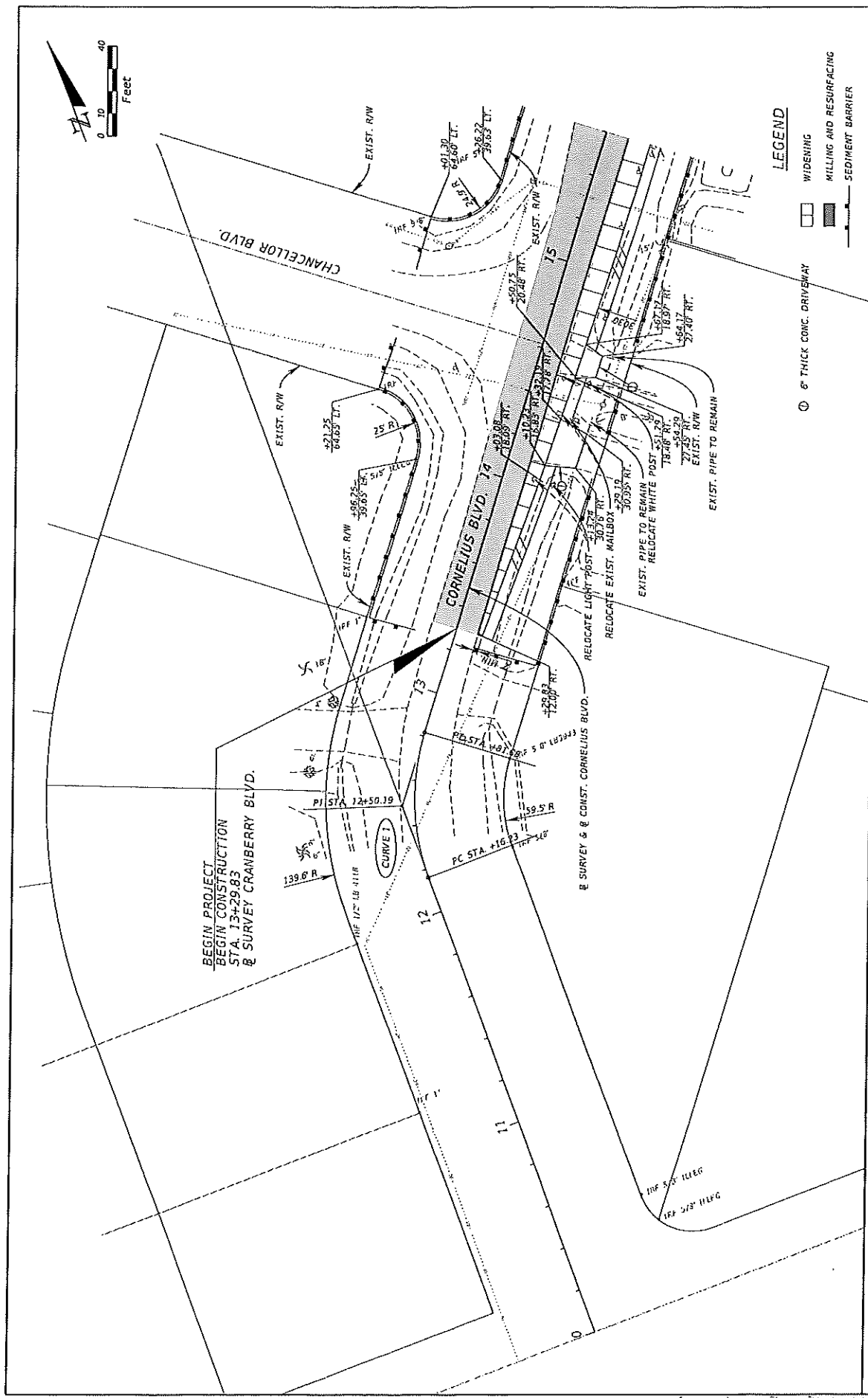


TYPE III SILT FENCE DETAIL



SILT FENCE CHECK DAM

|      |  |             |  |           |  |                                                                                                                                         |  |                                                                                                                              |                                 |           |
|------|--|-------------|--|-----------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------|
| DATE |  | DESCRIPTION |  | REVISIONS |  | ENGINEER OF RECORD                                                                                                                      |  | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | EROSION CONTROL<br>DETAIL SHEET | SHEET NO. |
|      |  |             |  |           |  | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KINLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  |                                                                                                                              |                                 | 16        |

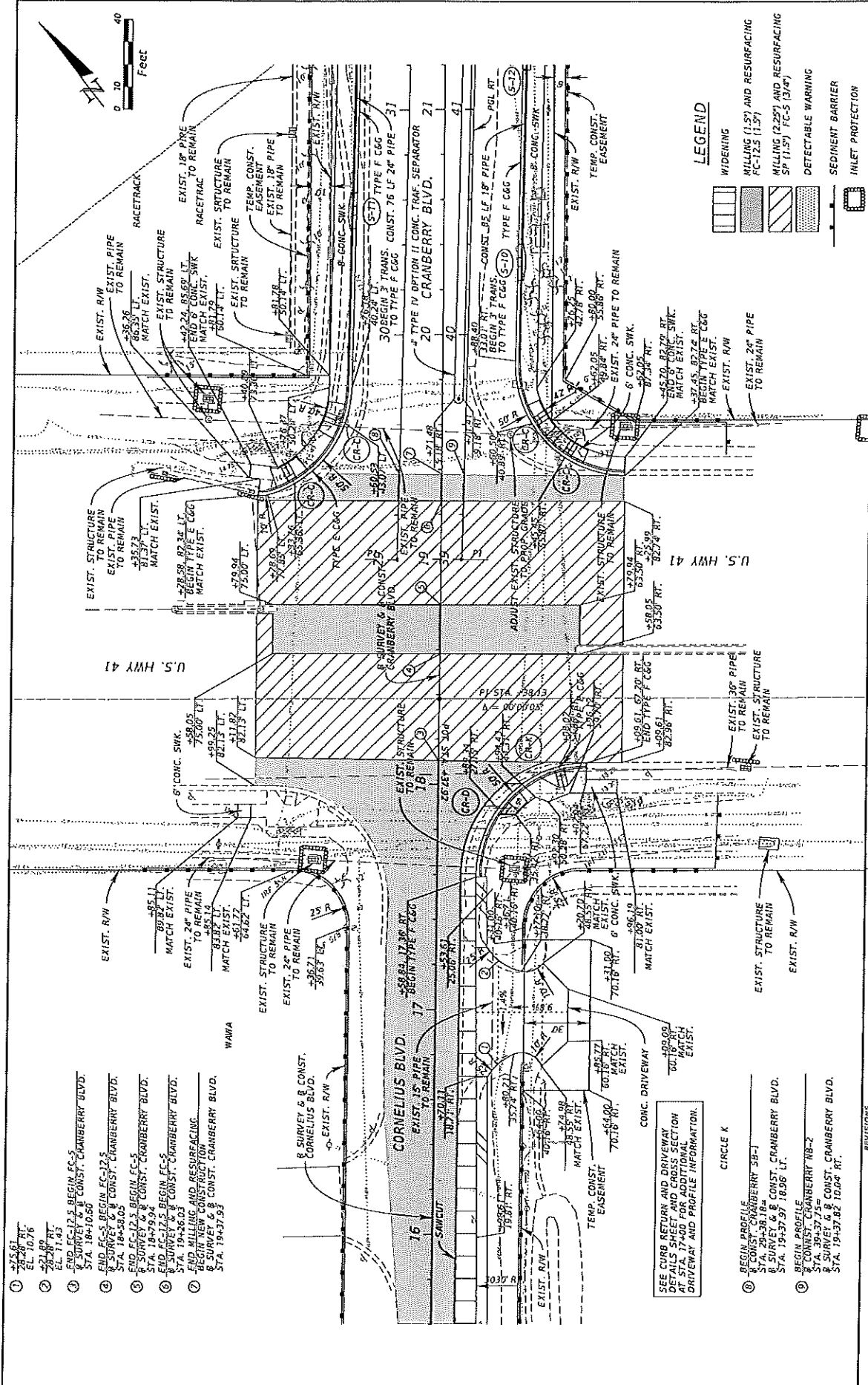


- LEGEND**
- 6" THICK CONC. DRIVEWAY
  - WIDENING
  - ▨ MILLING AND RESURFACING
  - SEDIMENT BARRIER

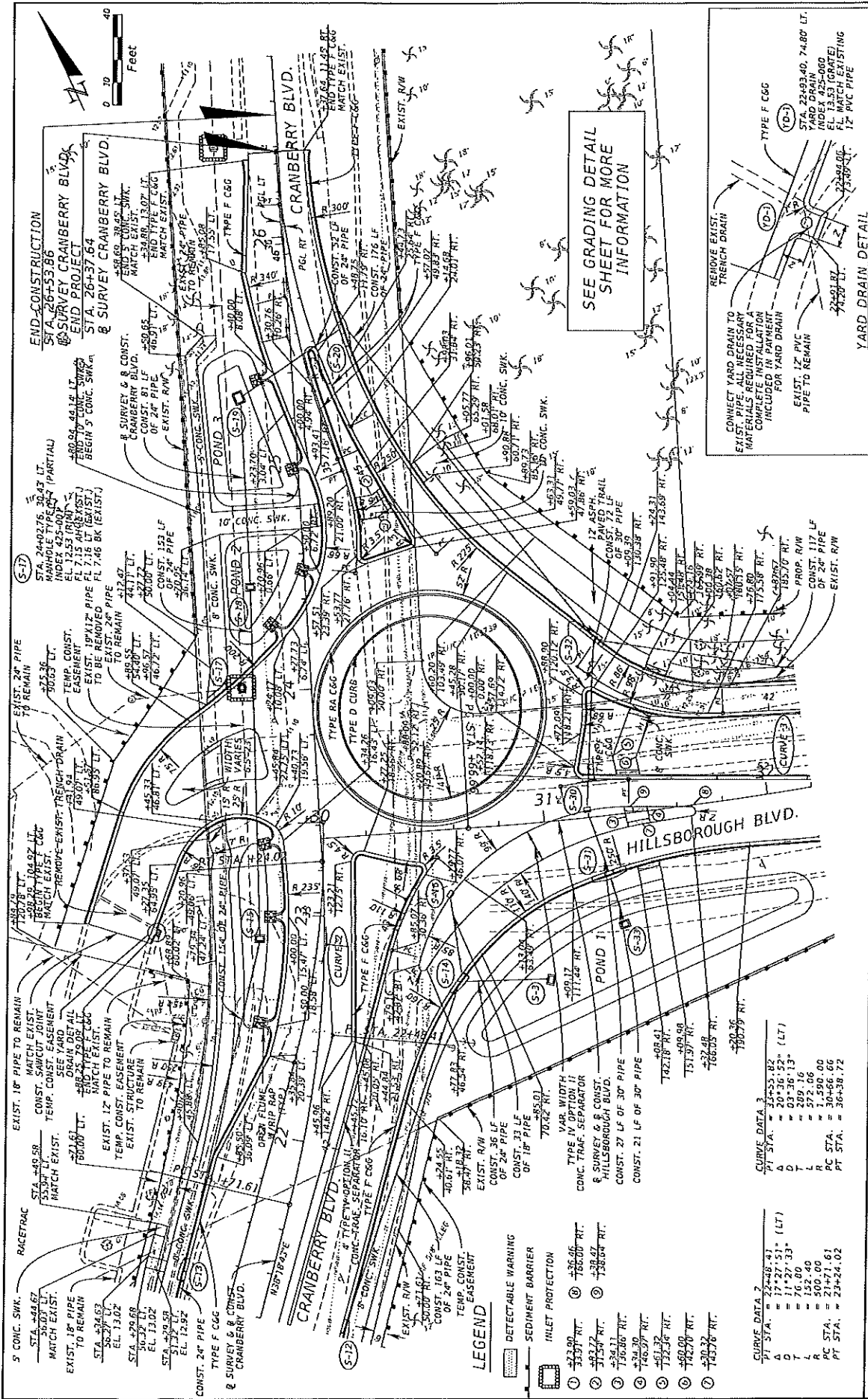
| REVISIONS |             | ENGINEER OF RECORD |                                                                                                                                         | City of North Port                                         | PLAN SHEET (1) | SHEET NO. |
|-----------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|-----------|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION                                                                                                                             |                                                            |                |           |
|           |             |                    | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 300<br>SARASOTA, FL 34236 | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |                | 17        |
|           |             |                    |                                                                                                                                         | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                   |                |           |

Exhibit A, 17 of 87

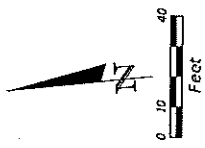
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



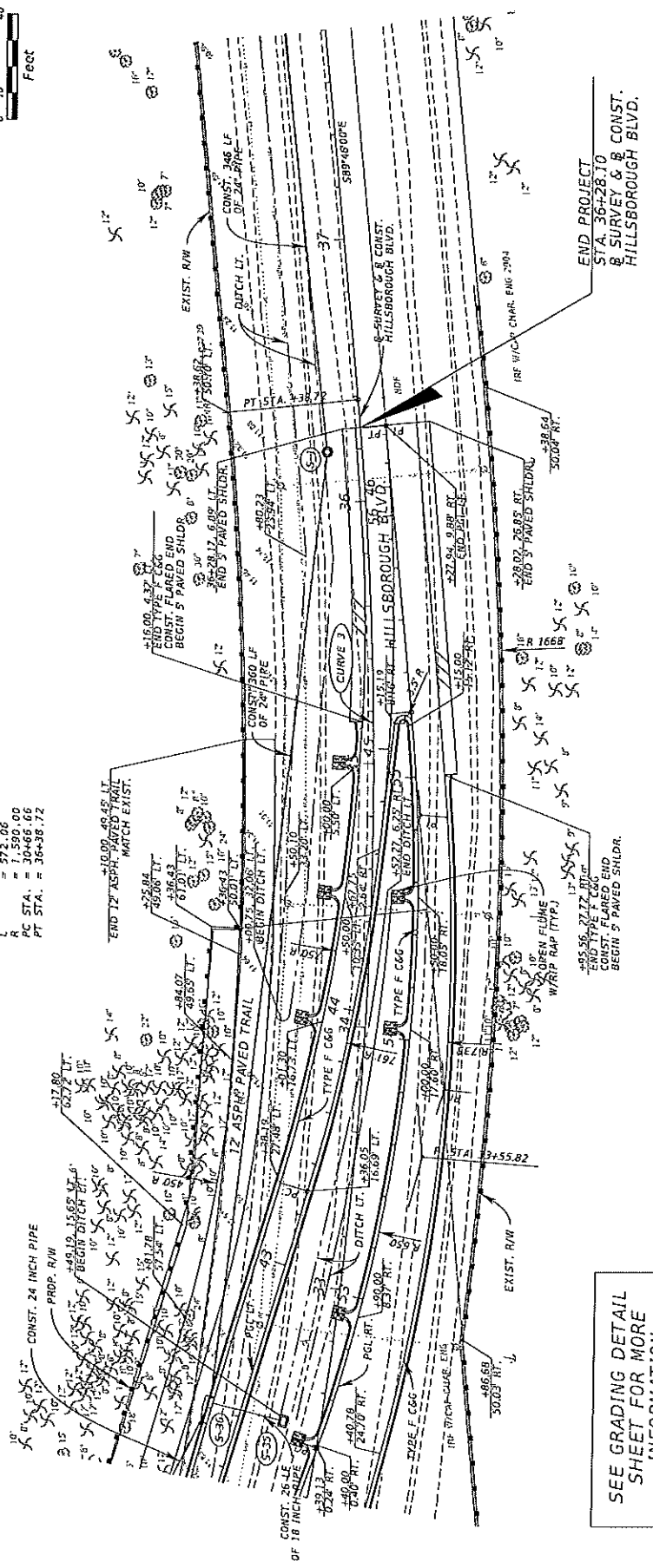
|                                                                                                      |  |                                                                                                                                                                                      |  |                           |  |              |
|------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|--|--------------|
| <div>City of North Port</div> <div>ROUNDABOUT AT<br/>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.</div> |  | <div>ENGINEER OF RECORD</div> <div>GARY J. WADEAU, P.E.<br/>LICENSE NUMBER 49629<br/>KIMLEY-HORN AND ASSOCIATES, INC.<br/>1800 SECOND STREET, SUITE 900<br/>SARASOTA, FL 34236</div> |  | <div>PLAN SHEET (2)</div> |  | SHEET<br>NO. |
|                                                                                                      |  |                                                                                                                                                                                      |  |                           |  | 18           |
| <div>EXHIBIT A. 18 of 87</div>                                                                       |  |                                                                                                                                                                                      |  |                           |  |              |



| DATE | DESCRIPTION | REVISIONS | INSTRUCTIONS | DATE | DESCRIPTION | ENGINEER OF RECORD                                                                                                                       | CITY OF NORTH PORT                                                                                                        | SHEET NO. |
|------|-------------|-----------|--------------|------|-------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------|
|      |             |           |              |      |             | GARY J. MADRARI, P.E.<br>LICENSE NUMBER 45629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 | City of North Port<br>ROUNDABOUT AT<br>CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | 19        |



CURVE DATA 3  
 PT STA. = 34+55.82  
 D = 100.00 (LT)  
 L = 289.16  
 R = 572.06  
 PC STA. = 34+55.82  
 PT STA. = 36+38.72



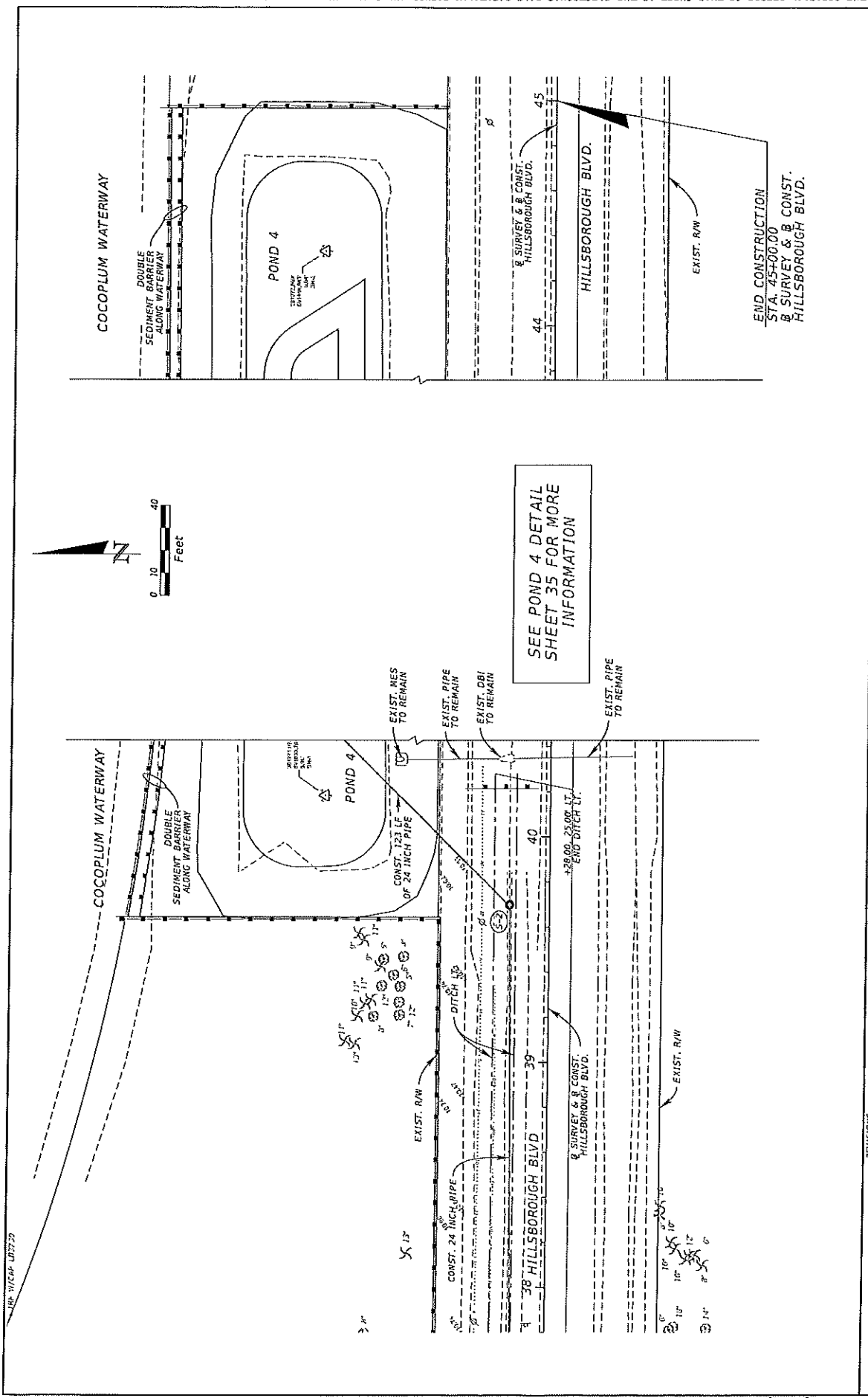
SEE GRADING DETAIL  
 SHEET FOR MORE  
 INFORMATION

**LEGEND**

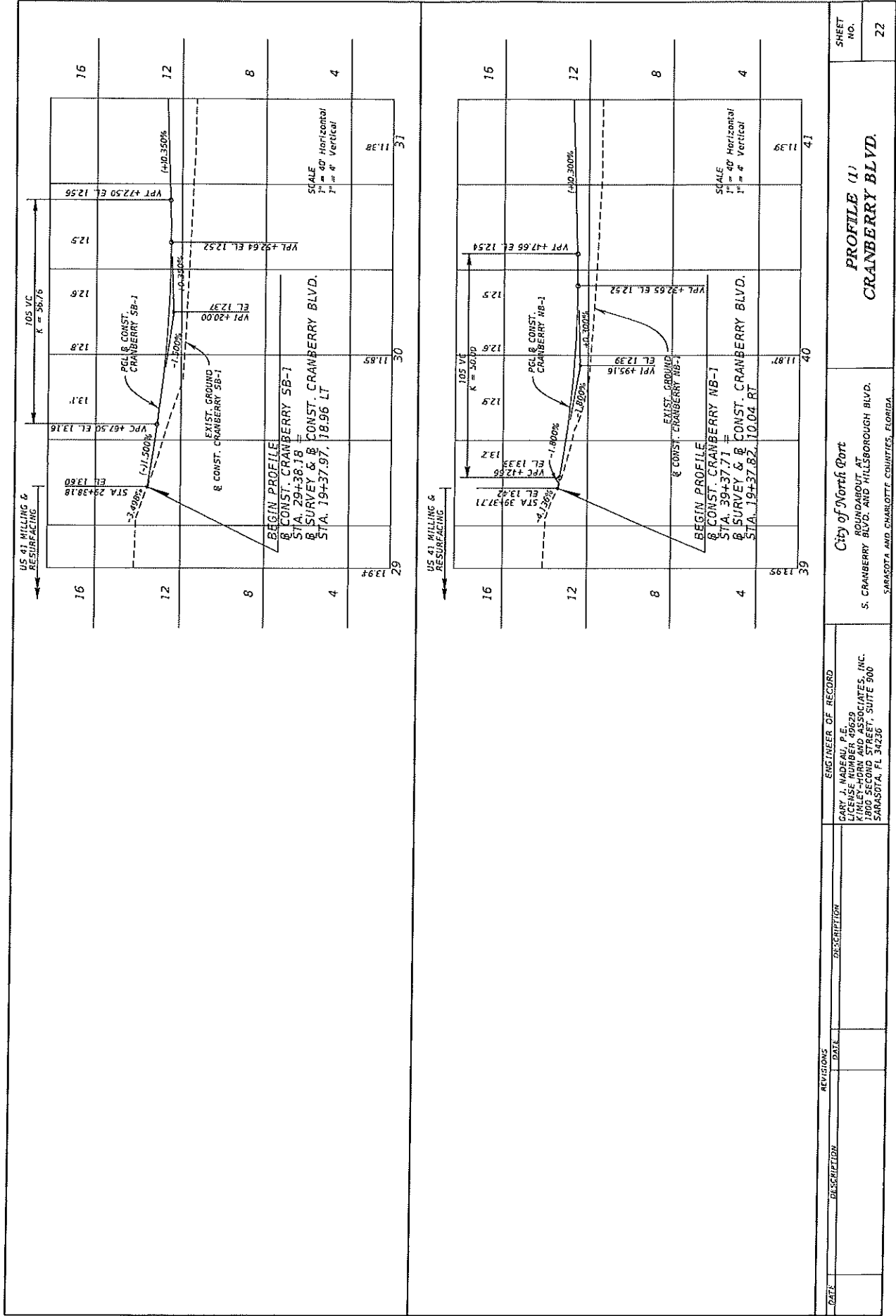
— SEDIMENT BARRIER

| REVISIONS                                                                                                                                                                                                                                                                                                                                                                                                              |  | DESCRIPTION |  | DATE      |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|-----------|----|
| DATE                                                                                                                                                                                                                                                                                                                                                                                                                   |  | DESCRIPTION |  | DATE      |    |
| <div> <div> <div>ENGINEER OF RECORD</div> <div>GARY J. MADON, P.E.</div> <div>LICENSE NUMBER 49629</div> <div>KIMLEY-HORN AND ASSOCIATES, INC.</div> <div>1800 SECOND STREET, SUITE 900</div> <div>SARASOTA, FL 34236</div> </div> <div> <div>City of North Port</div> <div>ROUNDABOUT AT</div> <div>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.</div> <div>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA</div> </div> </div> |  |             |  |           |    |
| PLAN SHEET (4)                                                                                                                                                                                                                                                                                                                                                                                                         |  |             |  | SHEET NO. | 20 |

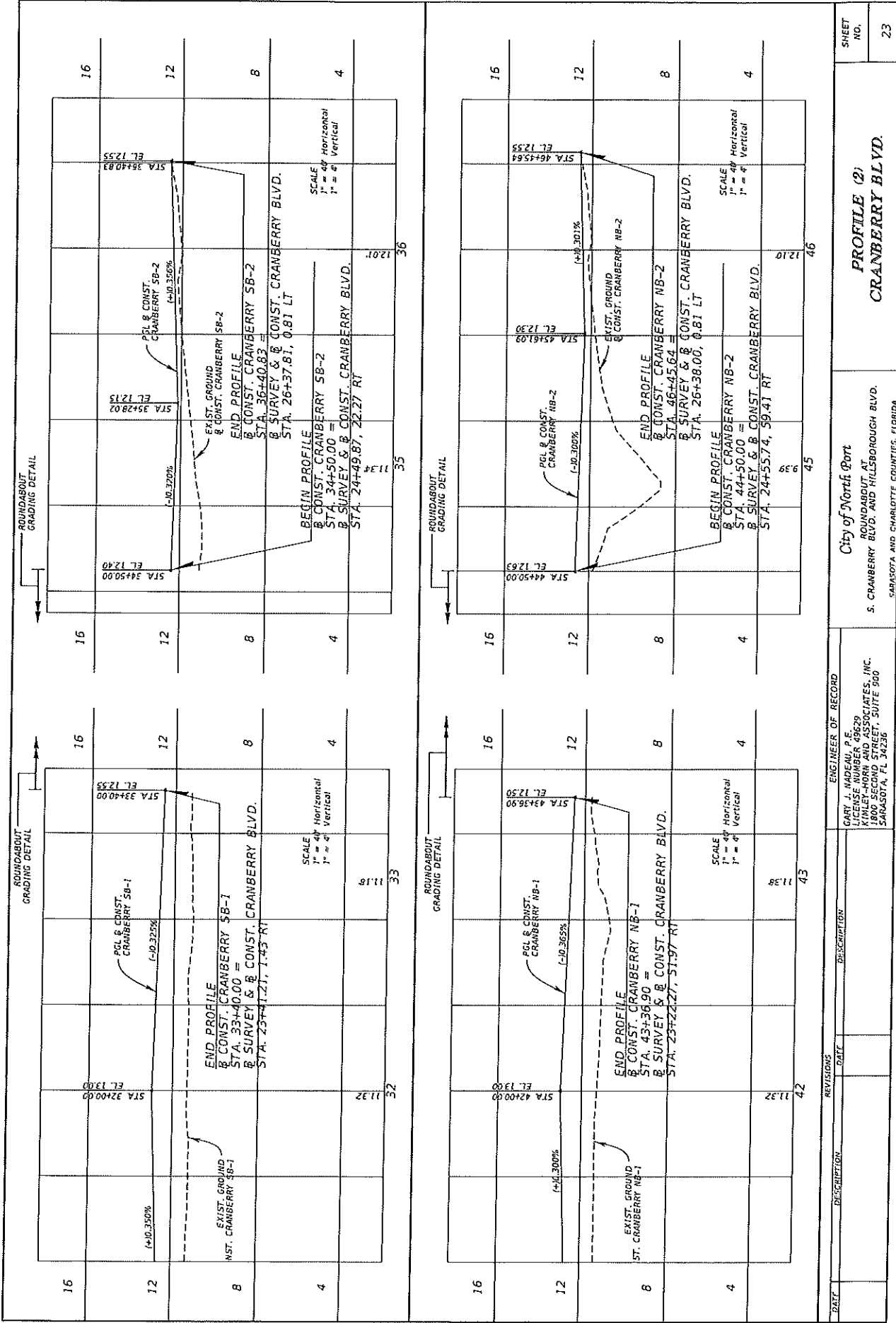


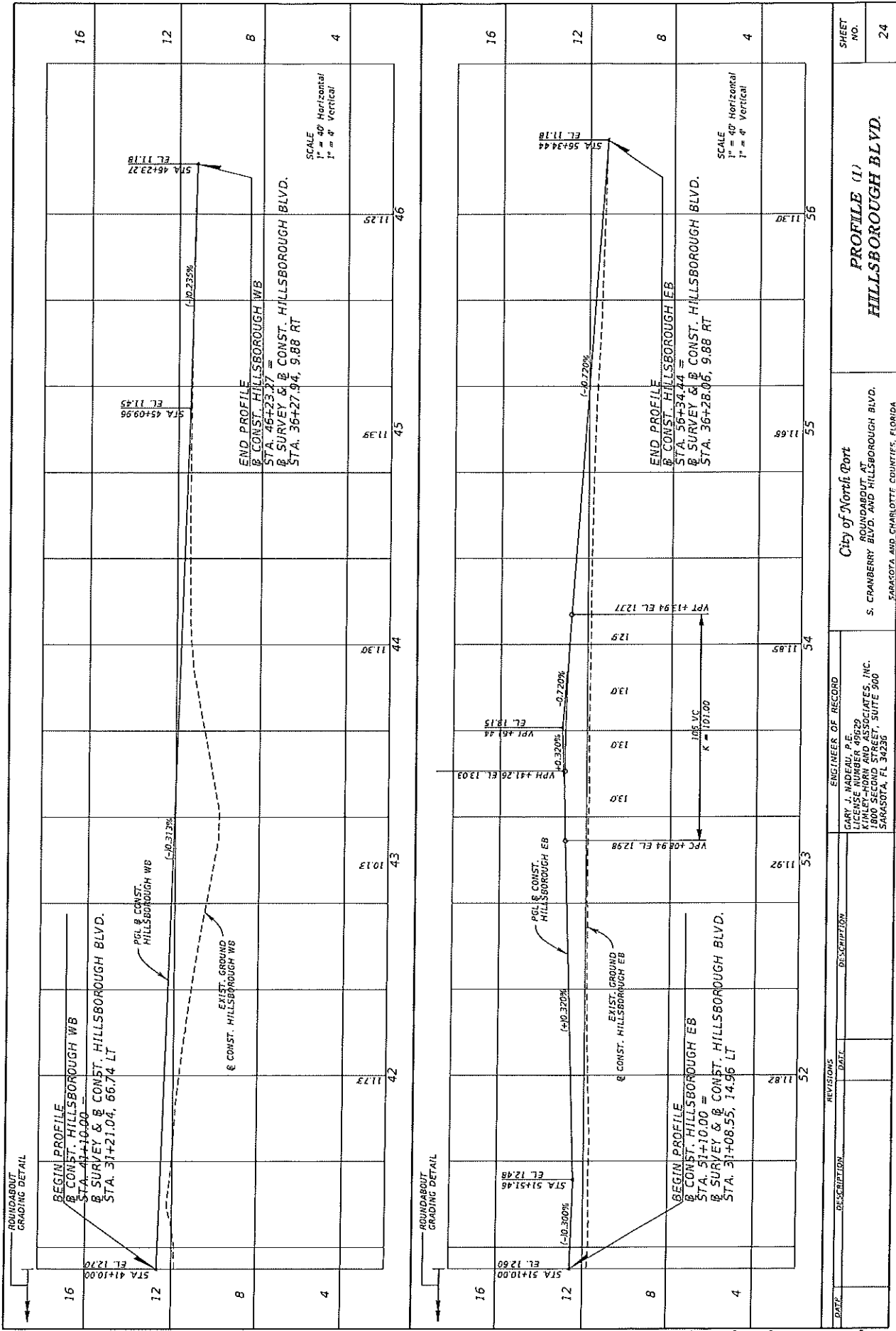


| REVISIONS |             | ENGINEER OF RECORD |             | City of North Port                                                                                                                     |                | SHEET NO. |
|-----------|-------------|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                                 | PLAN SHEET (S) |           |
|           |             |                    |             | GARY J. NADAU, P.E.<br>LICENSE NUMBER 49629<br>KIRLEY-HORN AND ASSOCIATES, INC.<br>1880 SECOND STREET, SUITE 500<br>SARASOTA, FL 34236 |                | 21        |

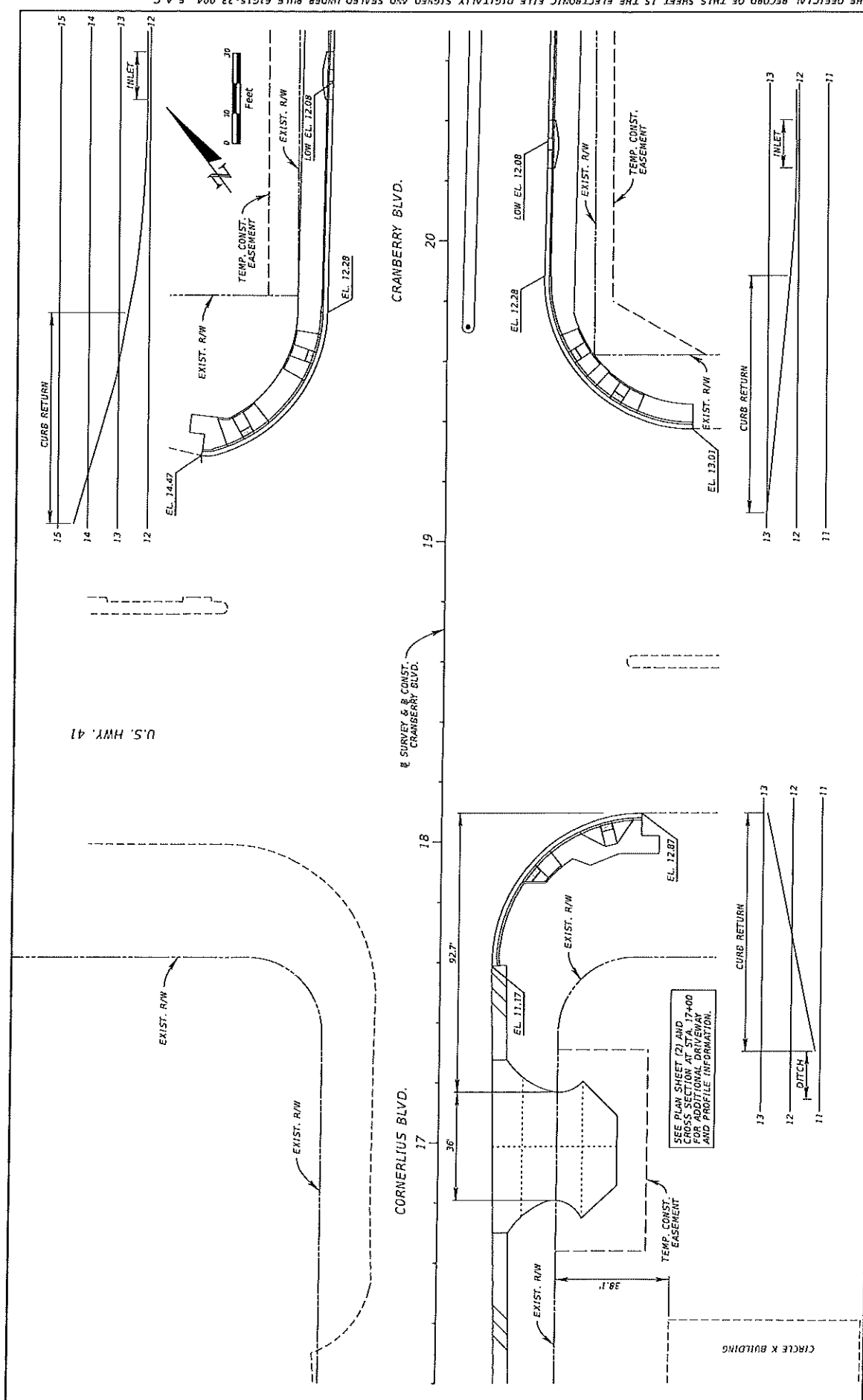


| REVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                |  | DESCRIPTION |  | DATE      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|-----------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |  |           |  |
| <div> <div> <div>ENGINEER OF RECORD</div> <div>GARY J. MADDALE, P.E.</div> <div>LICENSE NUMBER 49629</div> <div>KINLEY-HORN AND ASSOCIATES, INC.</div> <div>1800 SECOND STREET, SUITE 900</div> <div>SARASOTA, FL 34236</div> </div> <div> <div>City of North Port</div> <div>ROUNDABOUT AT</div> <div>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.</div> <div>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA</div> </div> </div> |  |             |  |           |  |
| PROFILE (1)                                                                                                                                                                                                                                                                                                                                                                                                              |  |             |  | SHEET NO. |  |
| CRANBERRY BLVD.                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |  | 22        |  |





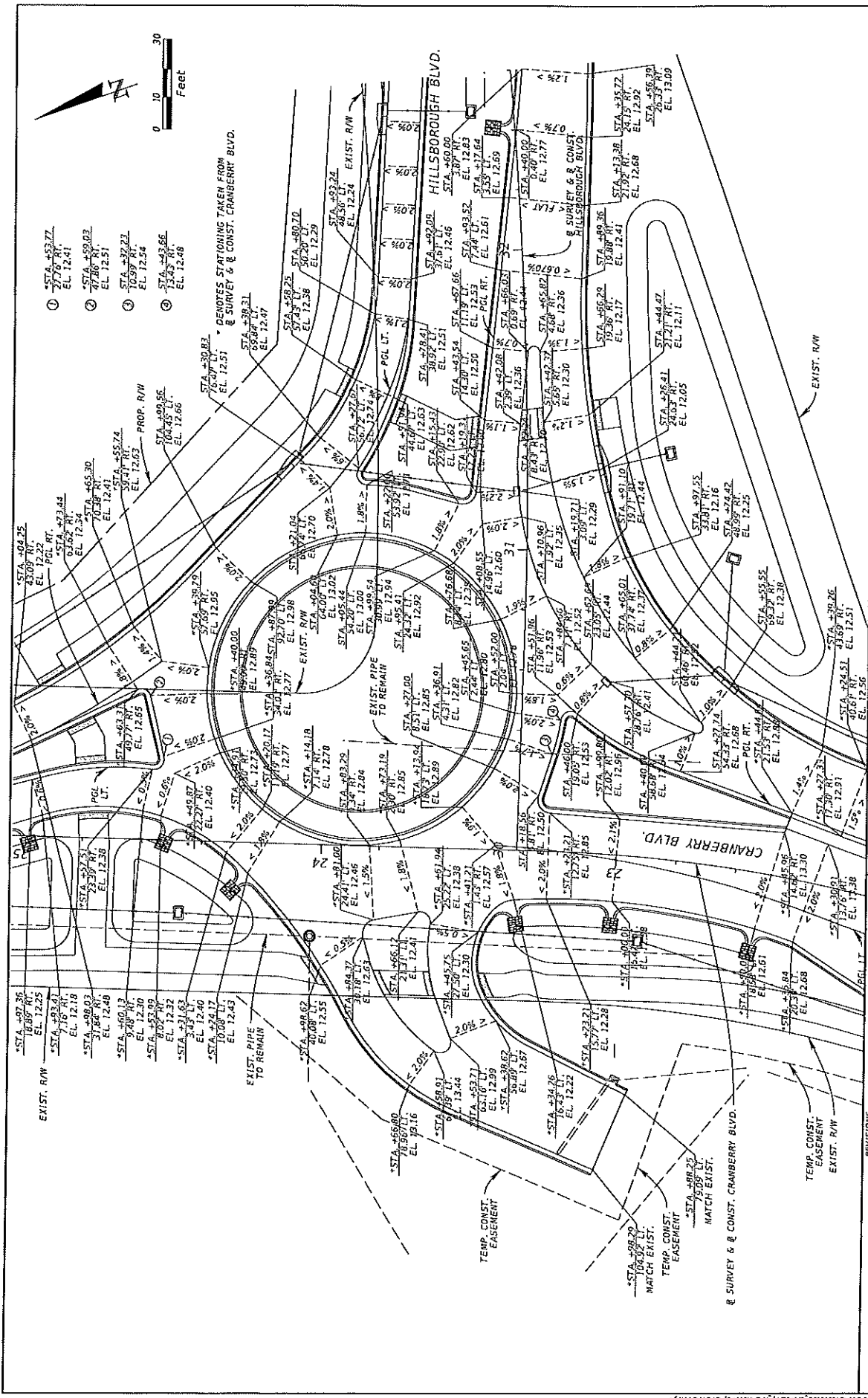
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| REVISIONS |             | ENGINEER OF RECORD |             | City of North Port                                                                                     |  | SHEET NO. |  |
|-----------|-------------|--------------------|-------------|--------------------------------------------------------------------------------------------------------|--|-----------|--|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION | ROUNDABOUT AT<br>5. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND MANALAPAN COUNTIES, FLORIDA |  | 25        |  |
|           |             |                    |             | Curb Return and<br>Driveway Details                                                                    |  |           |  |

Exhibit A, 25 of 87

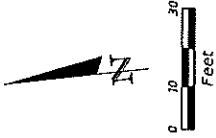
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



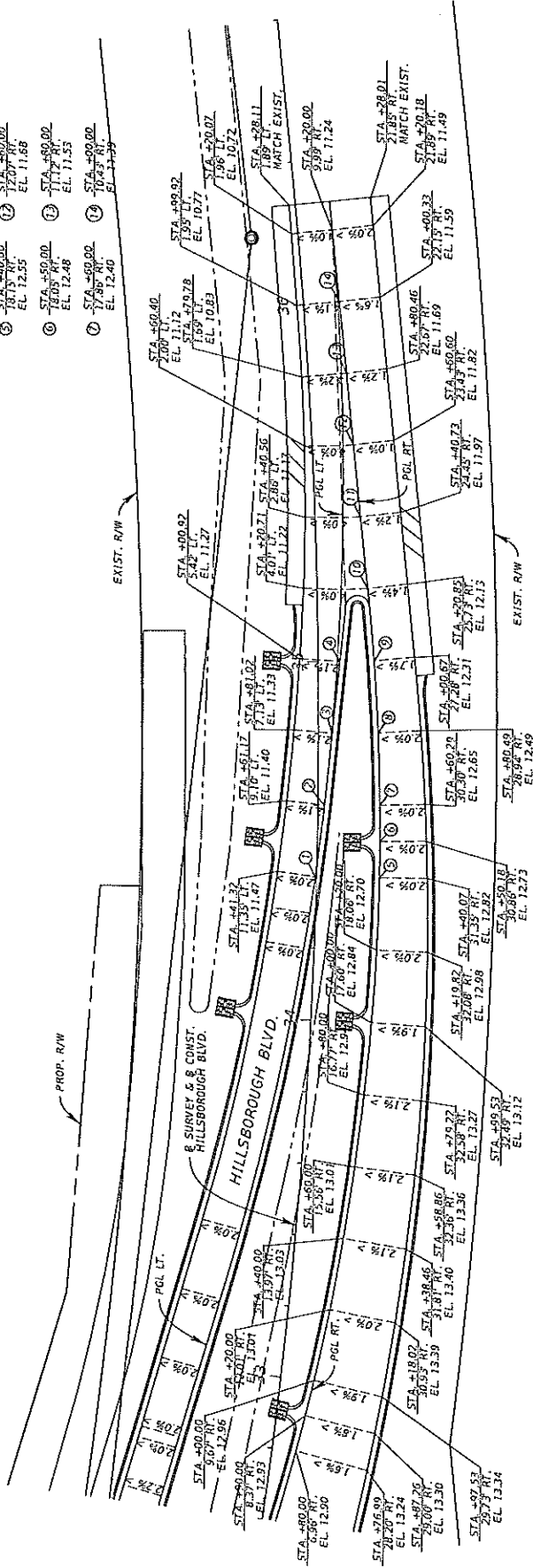
- ① STA. +33.77  
7.16' RT.  
EL. 12.41
- ② STA. +39.03  
47.86' RT.  
EL. 12.51
- ③ STA. +32.23  
10.97' RT.  
EL. 12.54
- ④ STA. +33.66  
13.43' RT.  
EL. 12.48

\* DENOTES STATIONING TAKEN FROM  
S. CRANBERRY BLVD. & CONST. CRANBERRY BLVD.

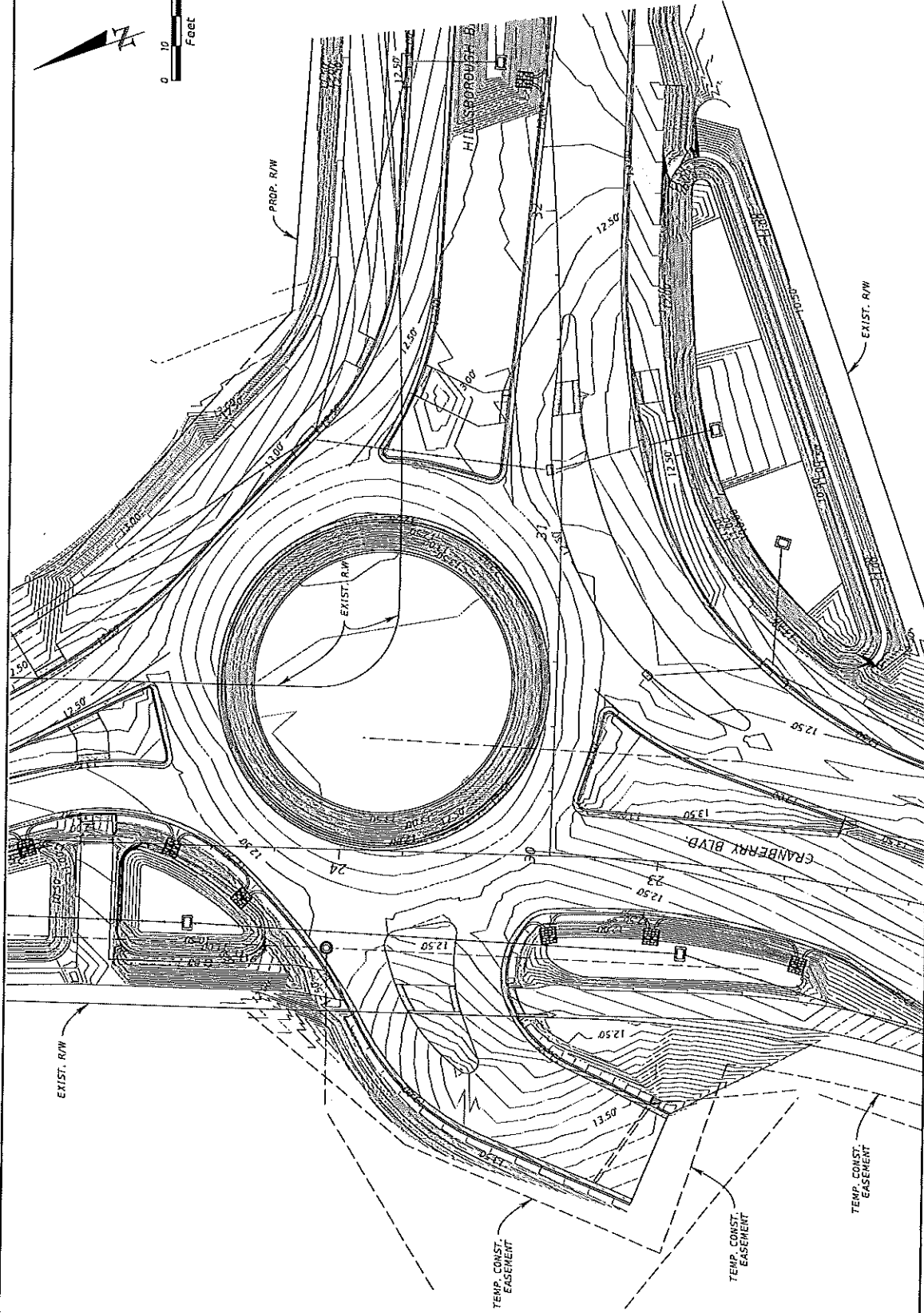
| REVISIONS                                                                                                                              |  | DESCRIPTION              |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|
| DATE                                                                                                                                   |  |                          |  |
| ENGINEER OF RECORD                                                                                                                     |  |                          |  |
| GARY J. MADRAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SANFORD, FL 32736 |  |                          |  |
| City of North Port                                                                                                                     |  |                          |  |
| ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.                                                                             |  |                          |  |
| SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                                                                                               |  |                          |  |
| SHEET NO.                                                                                                                              |  | GRADING DETAIL SHEET (1) |  |
| 26                                                                                                                                     |  | Exhibit A, 26 of 87      |  |



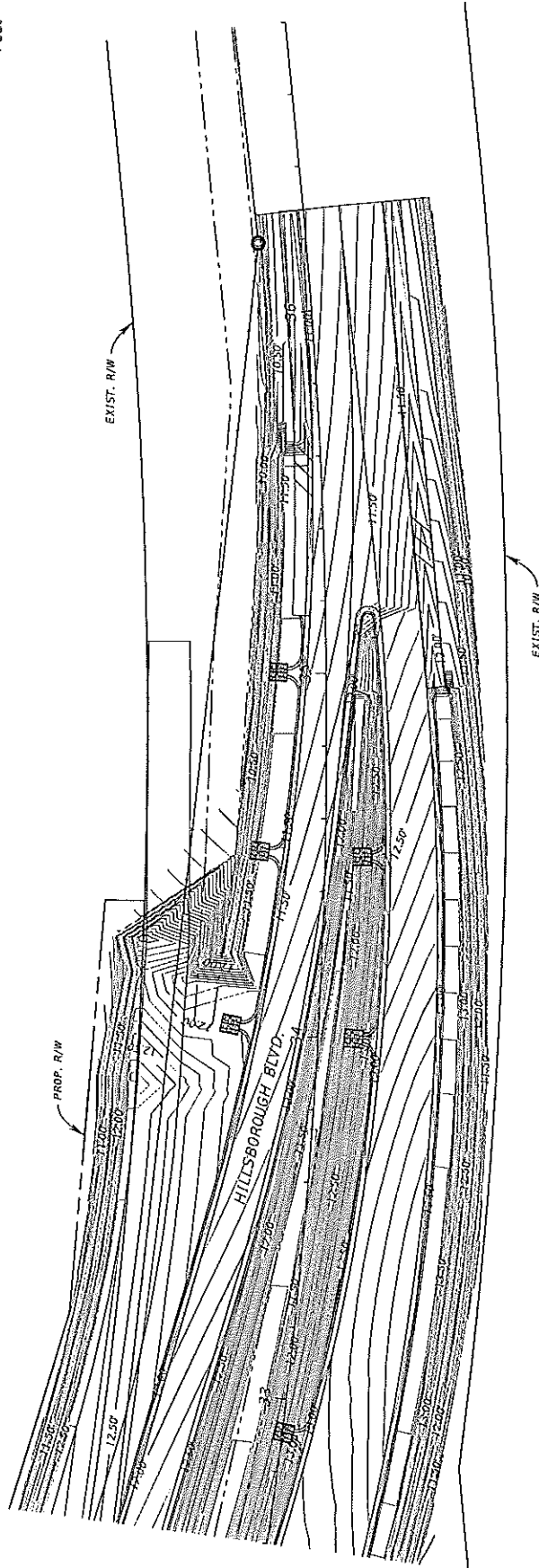
- ① STA +00.00  
EL. 11.69
- ② STA +00.00  
EL. 11.62
- ③ STA +00.00  
EL. 11.56
- ④ STA +00.00  
EL. 11.51
- ⑤ STA +00.00  
EL. 12.55
- ⑥ STA +00.00  
EL. 12.48
- ⑦ STA +00.00  
EL. 12.40
- ⑧ STA +00.00  
EL. 12.26
- ⑨ STA +00.00  
EL. 12.11
- ⑩ STA +00.00  
EL. 11.97
- ⑪ STA +00.00  
EL. 11.82
- ⑫ STA +00.00  
EL. 11.88
- ⑬ STA +00.00  
EL. 11.55
- ⑭ STA +00.00  
EL. 11.49



| REVISIONS |             | ENGINEER OF RECORD |             | City of North Port                                         |  | SHEET NO.                |  |
|-----------|-------------|--------------------|-------------|------------------------------------------------------------|--|--------------------------|--|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  | 27                       |  |
|           |             |                    |             | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                   |  | GRADING DETAIL SHEET (2) |  |

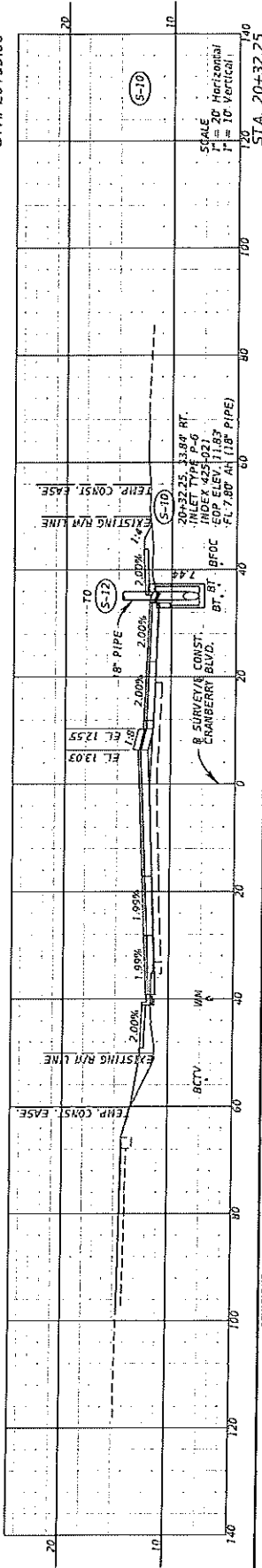
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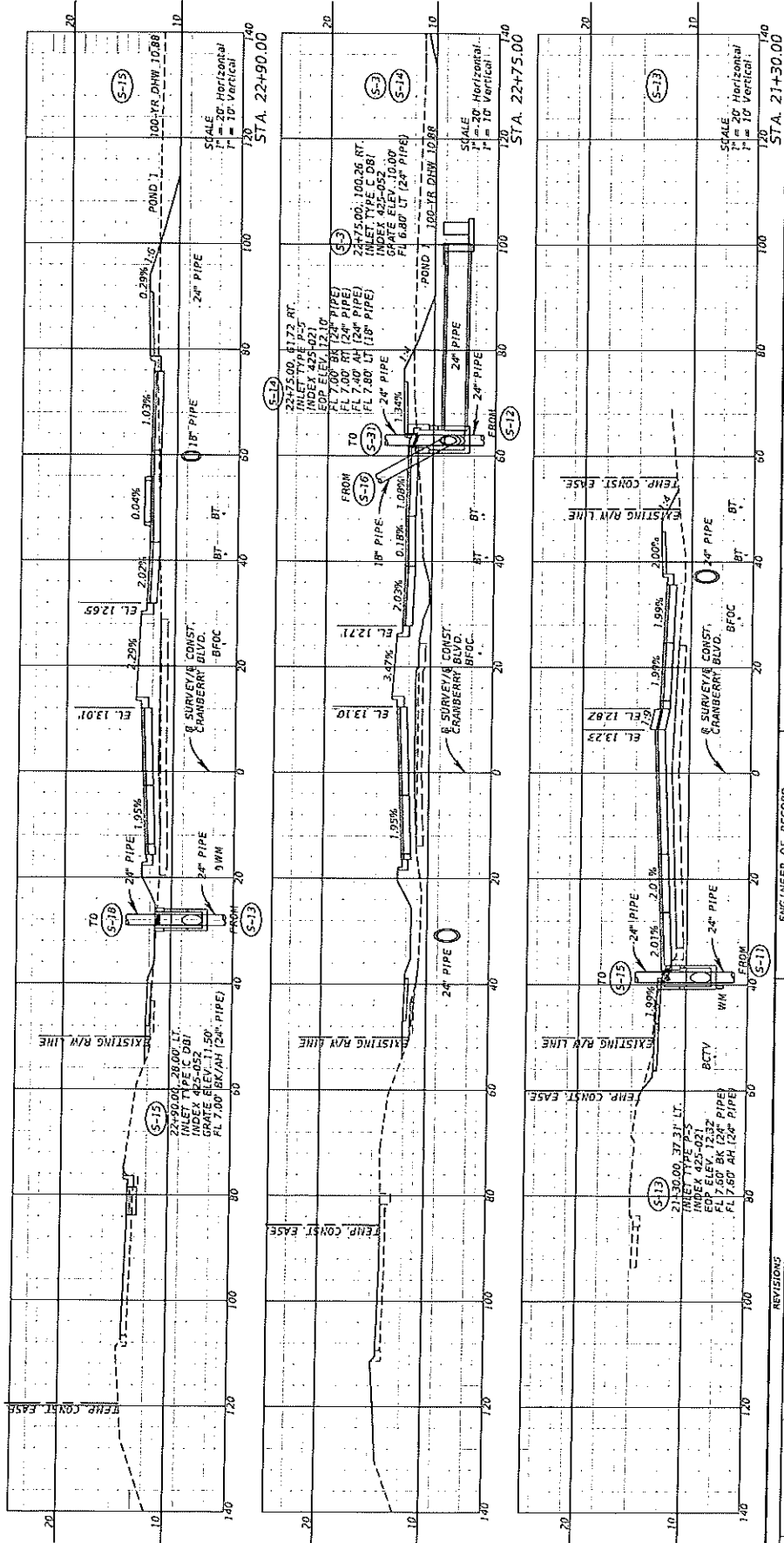




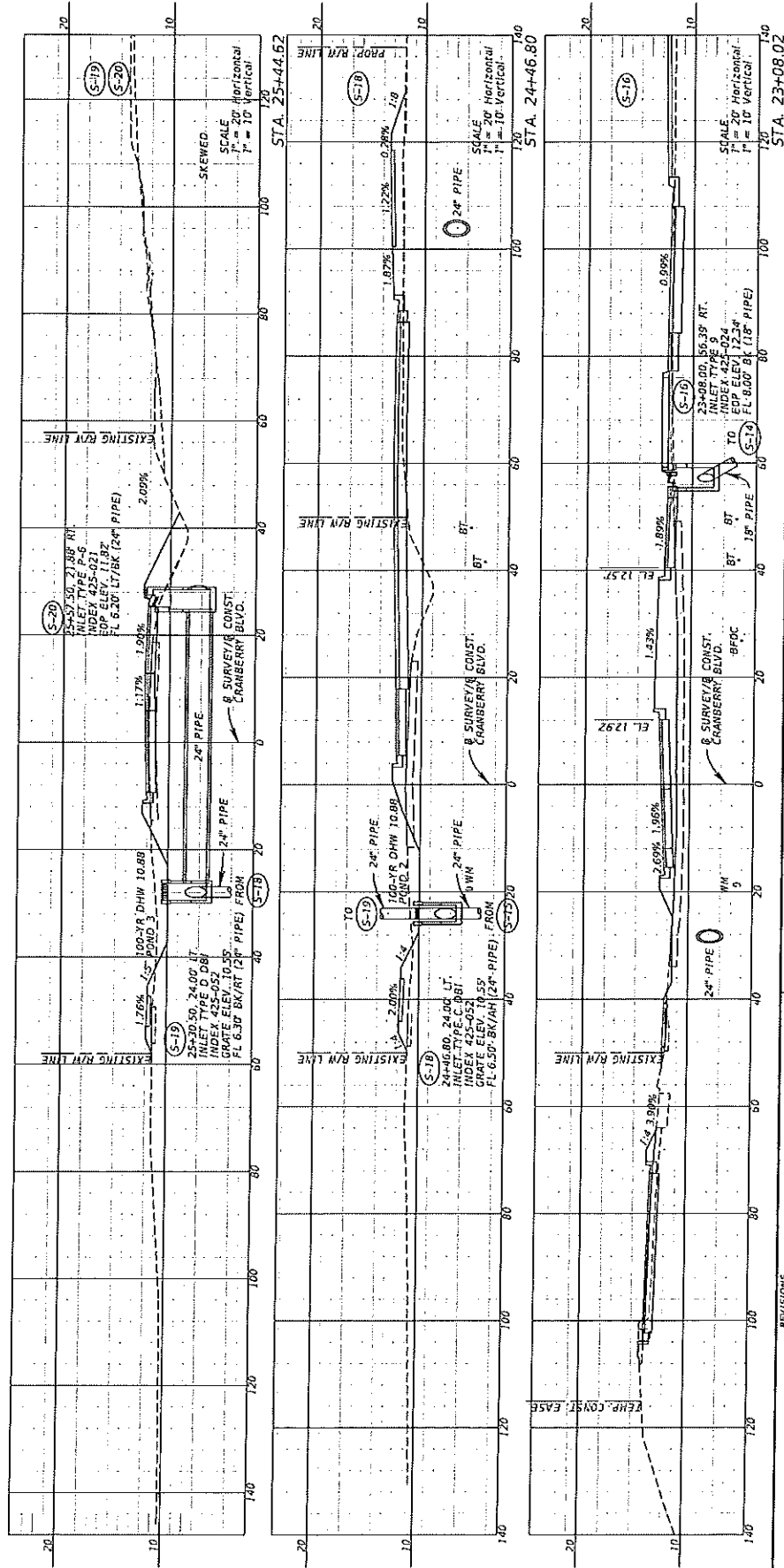
|                                          |  |            |  |           |  |                                                                                                                                      |  |                                                            |  |                                      |  |              |  |
|------------------------------------------|--|------------|--|-----------|--|--------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|--|--------------------------------------|--|--------------|--|
| DATE                                     |  | DISCUSSION |  | REVISIONS |  | ENGINEER OF RECORD                                                                                                                   |  | City of North Port                                         |  | CONTOURS GRADING<br>DETAIL SHEET (2) |  | SHEET<br>NO. |  |
|                                          |  |            |  |           |  | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 98629<br>MCCARTHY AND ASSOCIATES, INC.<br>1806 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |                                      |  | 29           |  |
| SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |  |            |  |           |  |                                                                                                                                      |  |                                                            |  |                                      |  |              |  |

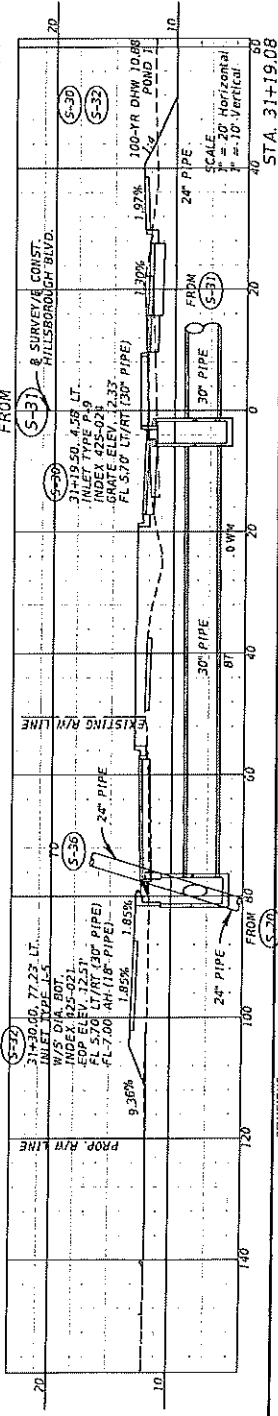
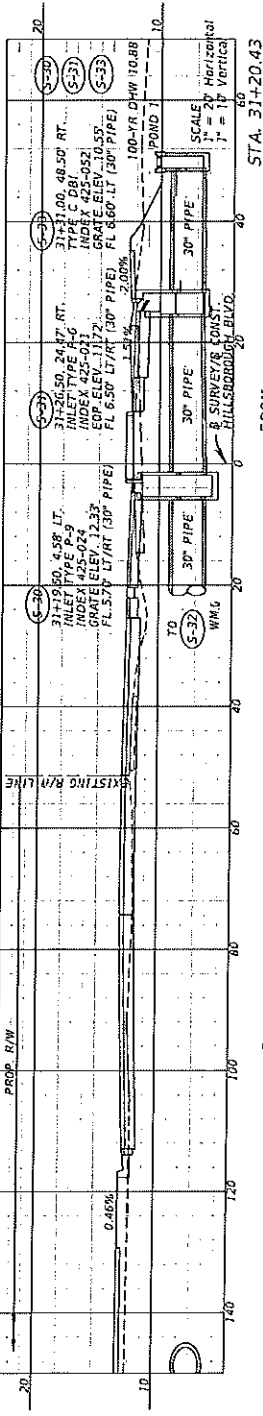
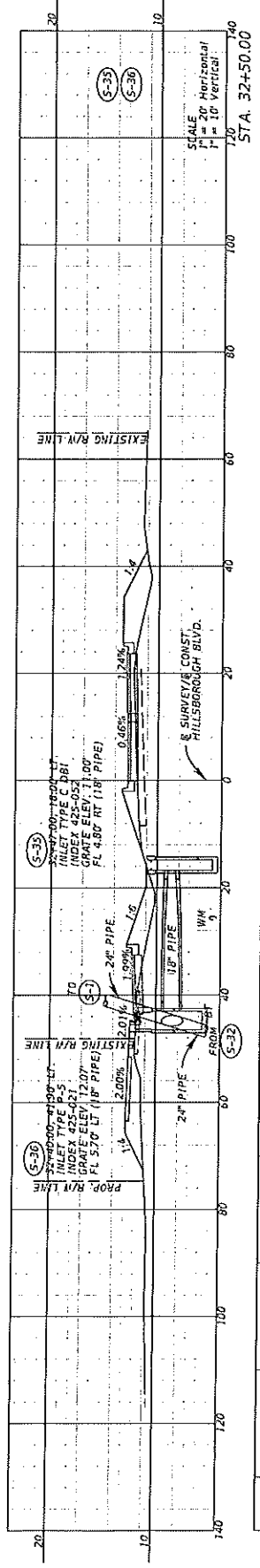
Exhibit A, 29 of 87

[illegible]

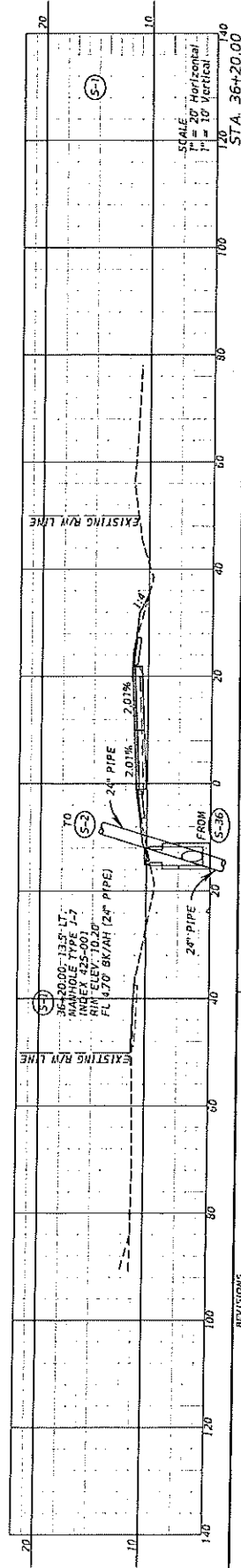
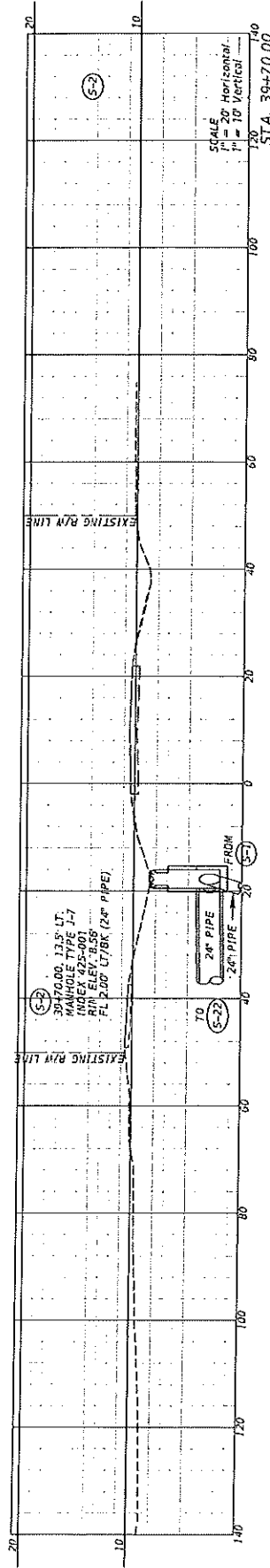


| REVISIONS |            | DESCRIPTION |             | ENGINEER OF RECORD   |                      | City of North Port               |                               | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |  | SHEET NO. | 31 |
|-----------|------------|-------------|-------------|----------------------|----------------------|----------------------------------|-------------------------------|-------------------------------------------|--|------------------------------------------|--|-----------|----|
| DATE      | DISCUSSION | DATE        | DESCRIPTION | GARY J. MADEAU, P.E. | LICENSE NUMBER 49629 | KIMLEY-HORN AND ASSOCIATES, INC. | 1800 SECOND STREET, SUITE 900 | SARASOTA, FL 34236                        |  |                                          |  |           |    |

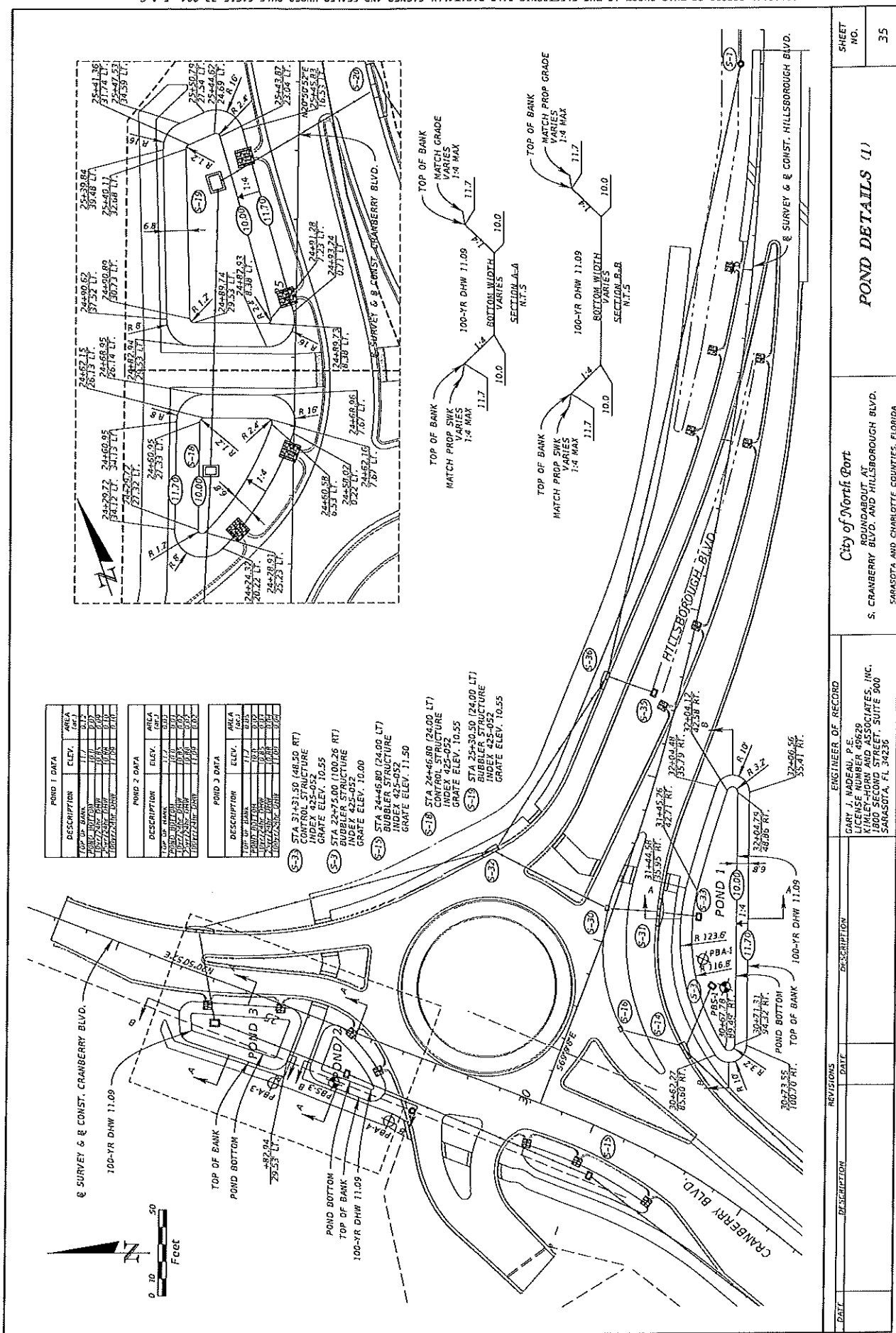
[illegible]



| REVISIONS                        |  | DESCRIPTION |  | DATE                                      |  |
|----------------------------------|--|-------------|--|-------------------------------------------|--|
| DATE                             |  | DESCRIPTION |  | DATE                                      |  |
| ENGINEER OF RECORD               |  |             |  |                                           |  |
| GARY J. MADRILL, P.E.            |  |             |  |                                           |  |
| LICENSE NUMBER 49629             |  |             |  |                                           |  |
| KIMLEY-HORN AND ASSOCIATES, INC. |  |             |  |                                           |  |
| 1800 SECOND STREET, SUITE 900    |  |             |  |                                           |  |
| SARASOTA, FL 34236               |  |             |  |                                           |  |
| City of North Port               |  |             |  | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |
| ROUNDABOUT AT                    |  |             |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |
| DRAINAGE STRUCTURES              |  |             |  | SHEET NO. 33                              |  |

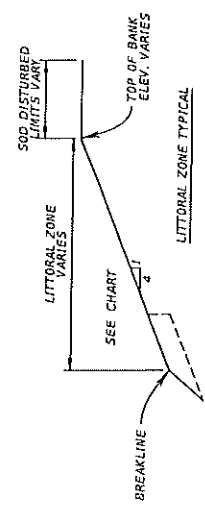
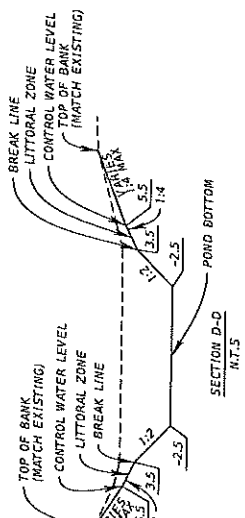
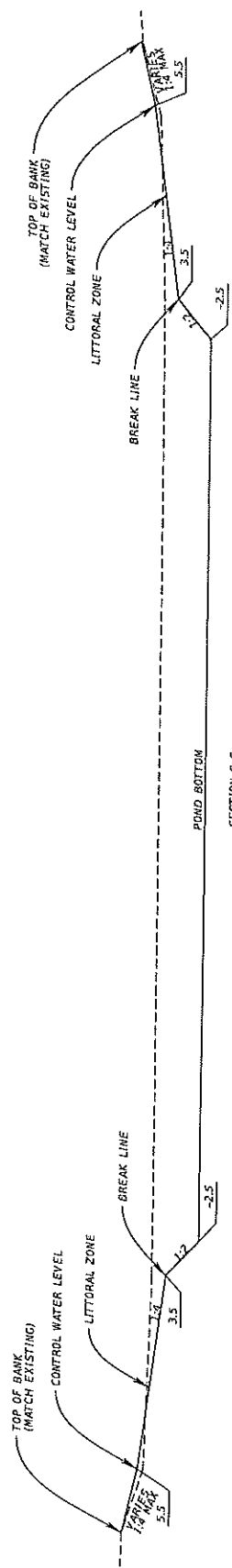


| REVISIONS                                                                                                                                                     |            | DESCRIPTION |            | DATE      |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------------|-----------|------------|
| DATE                                                                                                                                                          | DISCUSSION | DATE        | DISCUSSION | DATE      | DISCUSSION |
| ENGINEER OF RECORD<br>GARY J. MADEAU, P.E.<br>LICENSE NUMBER 45629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |            |             |            |           |            |
| City of North Port<br>BOUNDARIES AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                                  |            |             |            |           |            |
| DRAINAGE STRUCTURES                                                                                                                                           |            |             |            | SHEET NO. | 34         |

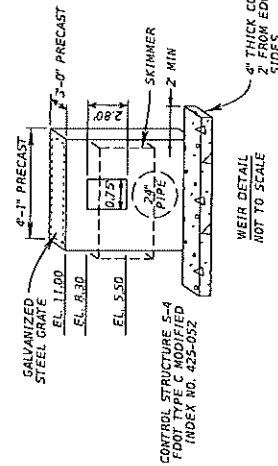
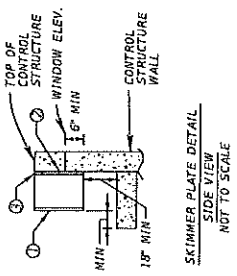








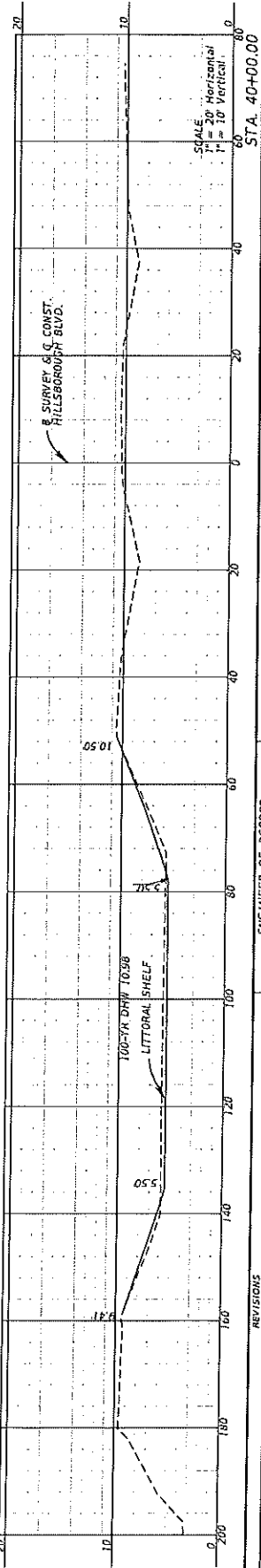
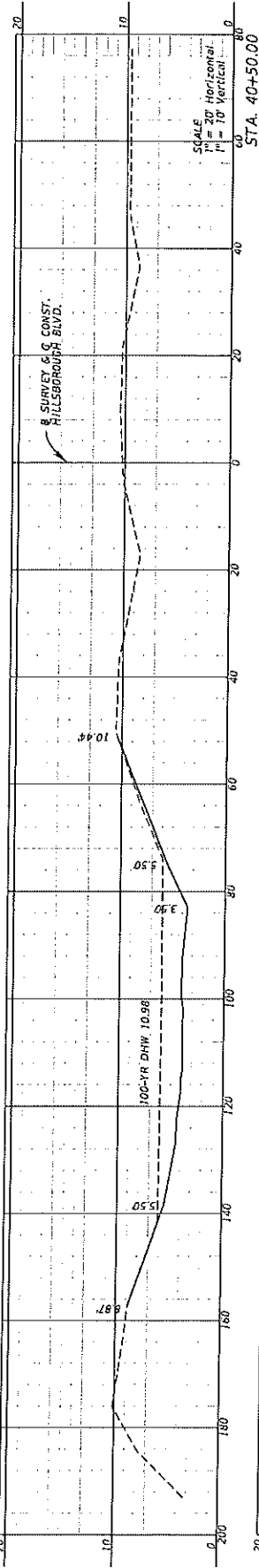
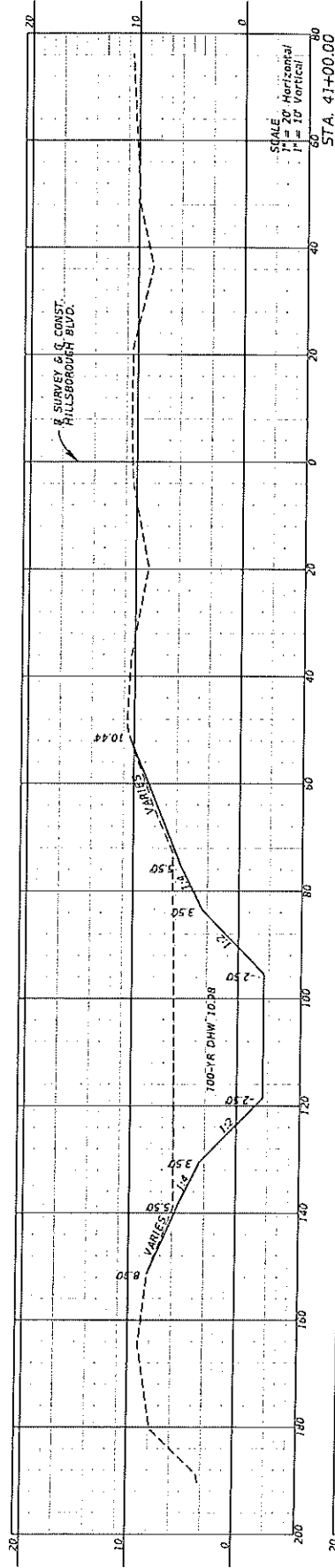
| PLANT SPECIES<br>(COMMON NAME) | ARROWHEAD    |
|--------------------------------|--------------|
| SAND COROGRASS                 | PICKERELWEED |
| SPICE RUSH                     |              |



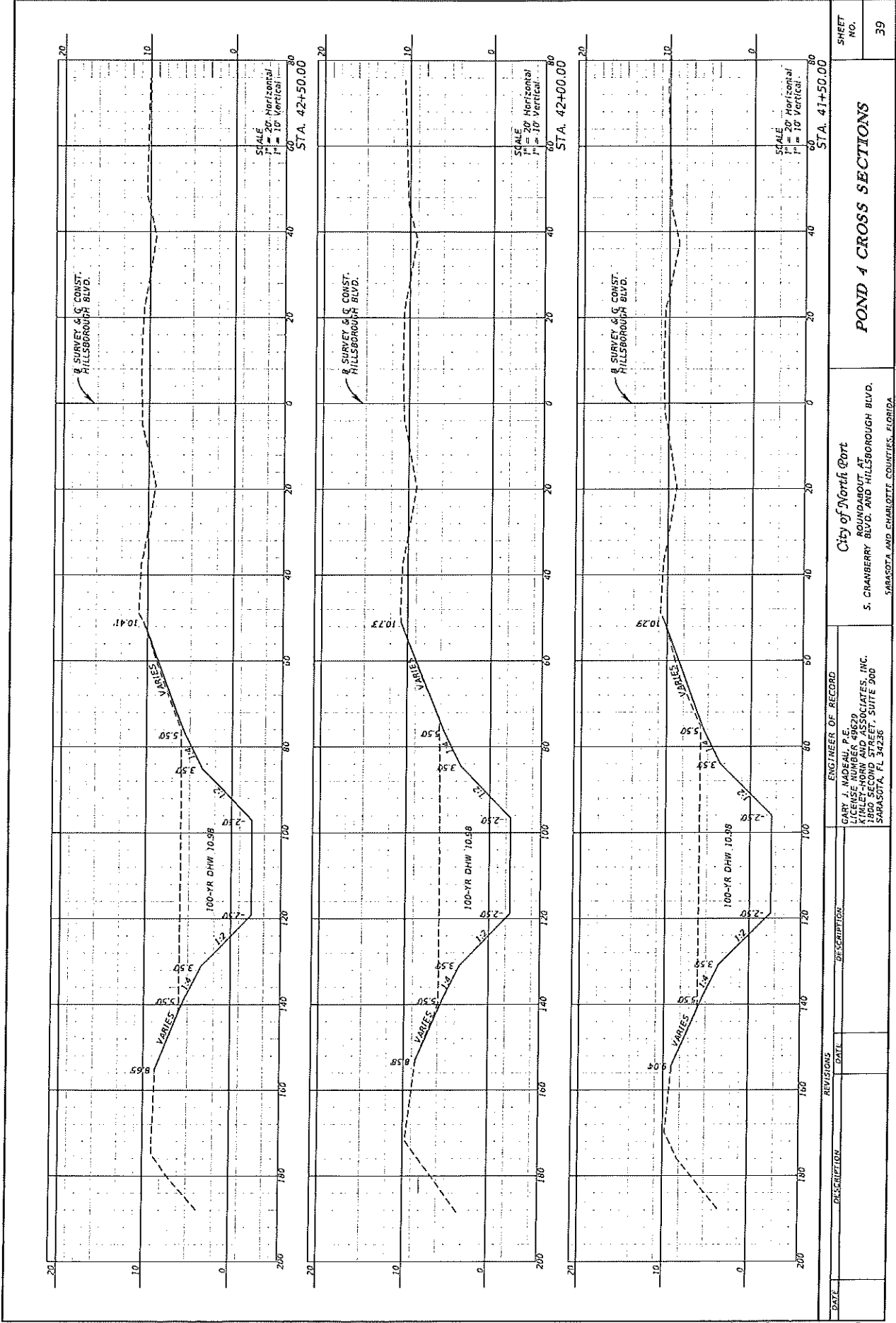
- NOTES:
- 1/4 THICK FIBER GLASS FABRICATED SKIMMER PLATE WITH OPEN TOP AND BOTTOM.
  - 3/8" DIAMETER STAINLESS STEEL EXPANSION ANCHORS, 2" LONG, 1/2" DIA. STAINLESS STEEL WASHERS AND NUTS @ 5" MAXIMUM, TWO MIN. REQUIRED EACH SIDE OF SKIMMER.
  - 3/16" THICK NEOPRENE GASKET BETWEEN SKIMMER AND CONCRETE.
  - 1" THICK CONCRETE SLAB BELOW SKIMMER.
  - COST OF SKIMMER AND CONCRETE SLAB ARE INCLUDED IN THE COST OF THE CONTROL STRUCTURE.

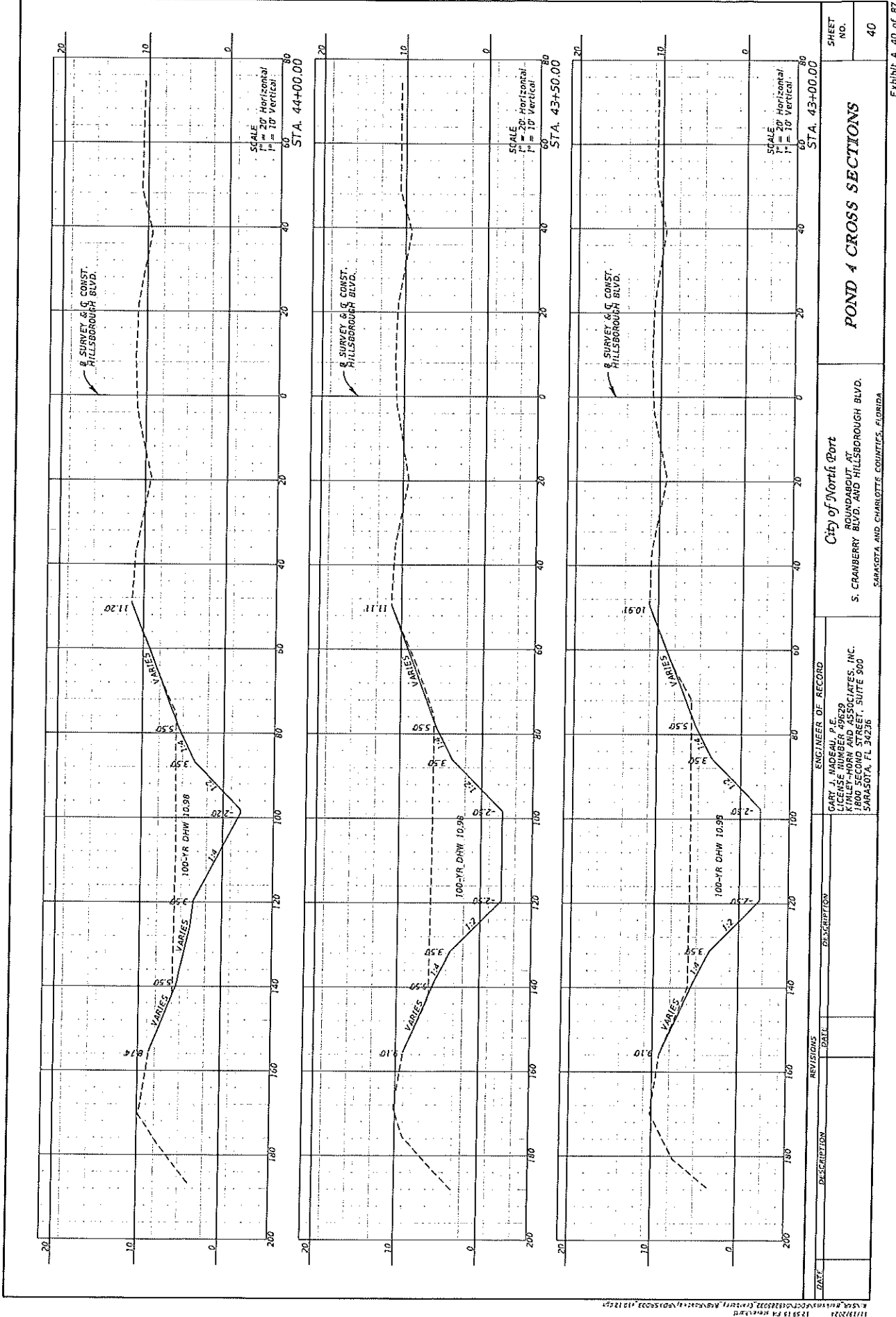
| DATE       | DESCRIPTION | REVISIONS | ENGINEER OF RECORD                                                                                                                      | CITY OF NORTH PORT                                                                                  | SHEET NO. |
|------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------|
| 11/19/2024 |             |           | GARY J. MADRAN, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 | ROUNDABOUT AT<br>CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | 37        |

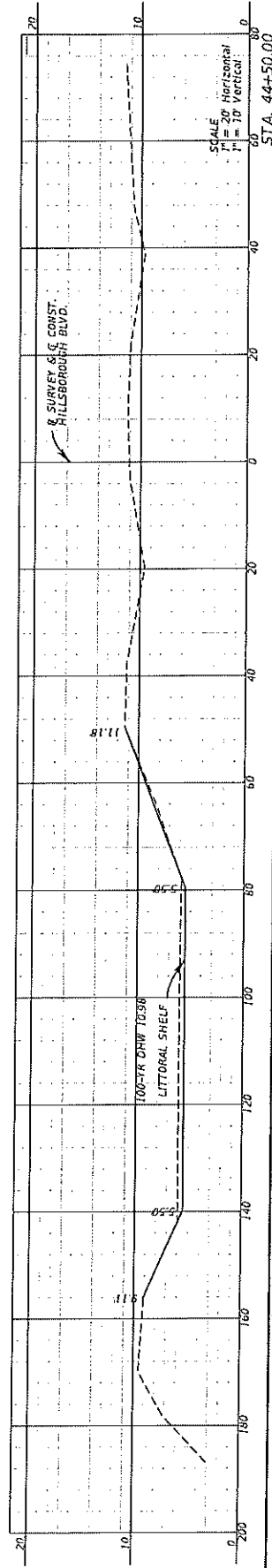
POND 4 DETAILS (2)



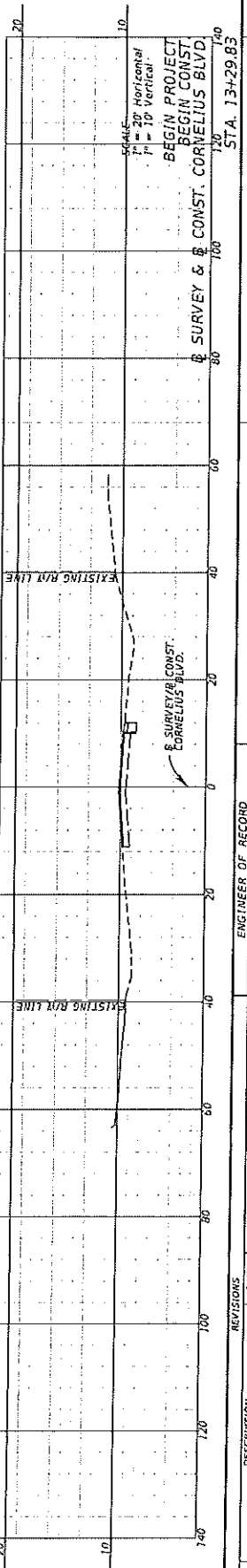
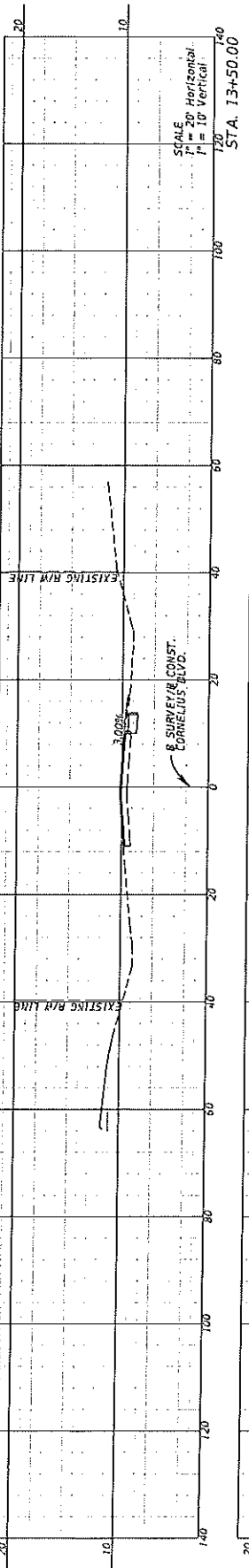
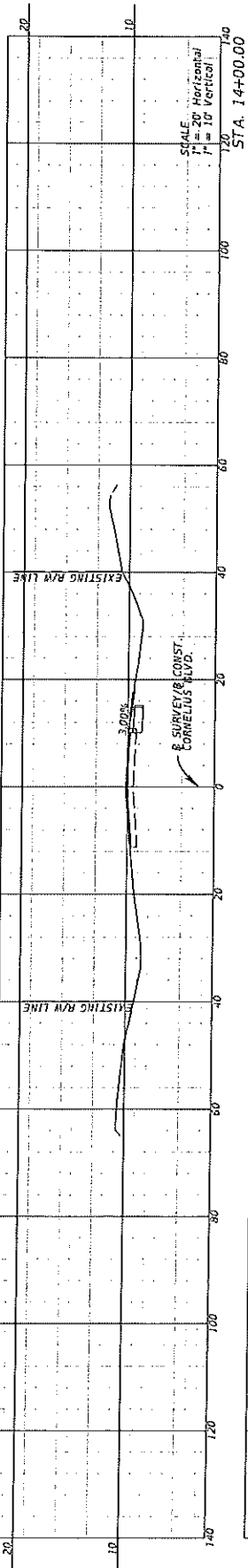
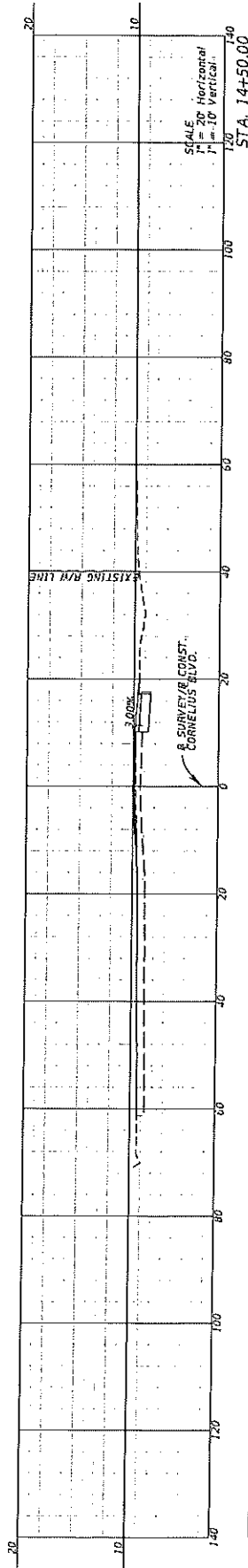
|      |  |             |  |      |  |             |  |                                                                                                                                         |  |
|------|--|-------------|--|------|--|-------------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| DATE |  | DESCRIPTION |  | DATE |  | DESCRIPTION |  | ENGINEER OF RECORD                                                                                                                      |  |
|      |  |             |  |      |  |             |  | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  |
|      |  |             |  |      |  |             |  | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br><br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA        |  |
|      |  |             |  |      |  |             |  | POND 4 CROSS SECTIONS                                                                                                                   |  |
|      |  |             |  |      |  |             |  | SHEET NO.                                                                                                                               |  |
|      |  |             |  |      |  |             |  | 38                                                                                                                                      |  |







| REVISIONS |             |      |             | ENGINEER OF RECORD                                                                                                                      |  | City of North Port<br><br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br><br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | POND 4 CROSS SECTIONS | SHEET NO.<br><br>41 |
|-----------|-------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| DATE      | DESCRIPTION | DATE | DESCRIPTION |                                                                                                                                         |  |                                                                                                                                      |                       |                     |
|           |             |      |             | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  |                                                                                                                                      |                       |                     |

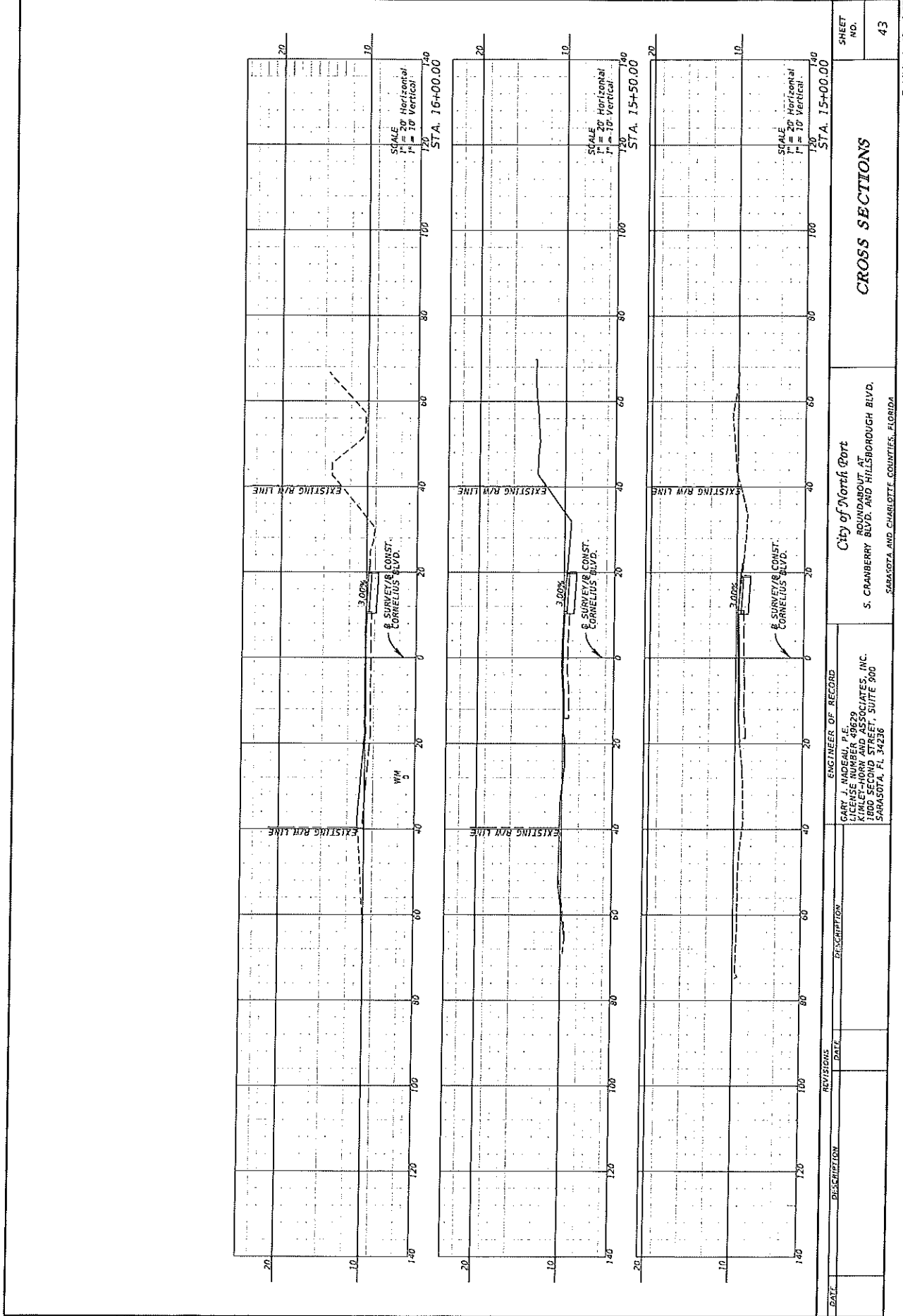


| DATE |  | DESCRIPTION |  | REVISIONS |  | DATE |  | DESCRIPTION |  | ENGINEER OF RECORD |                                                                                                                                        |
|------|--|-------------|--|-----------|--|------|--|-------------|--|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|      |  |             |  |           |  |      |  |             |  |                    | GARY J. NADAU, P.E.<br>LICENSE NUMBER 49679<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |

| REVISIONS |  | DESCRIPTION |
|-----------|--|-------------|
| DATE      |  |             |
|           |  |             |

*City of North Port*  
ROUNDABOUT AT  
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
FLORIDA  
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

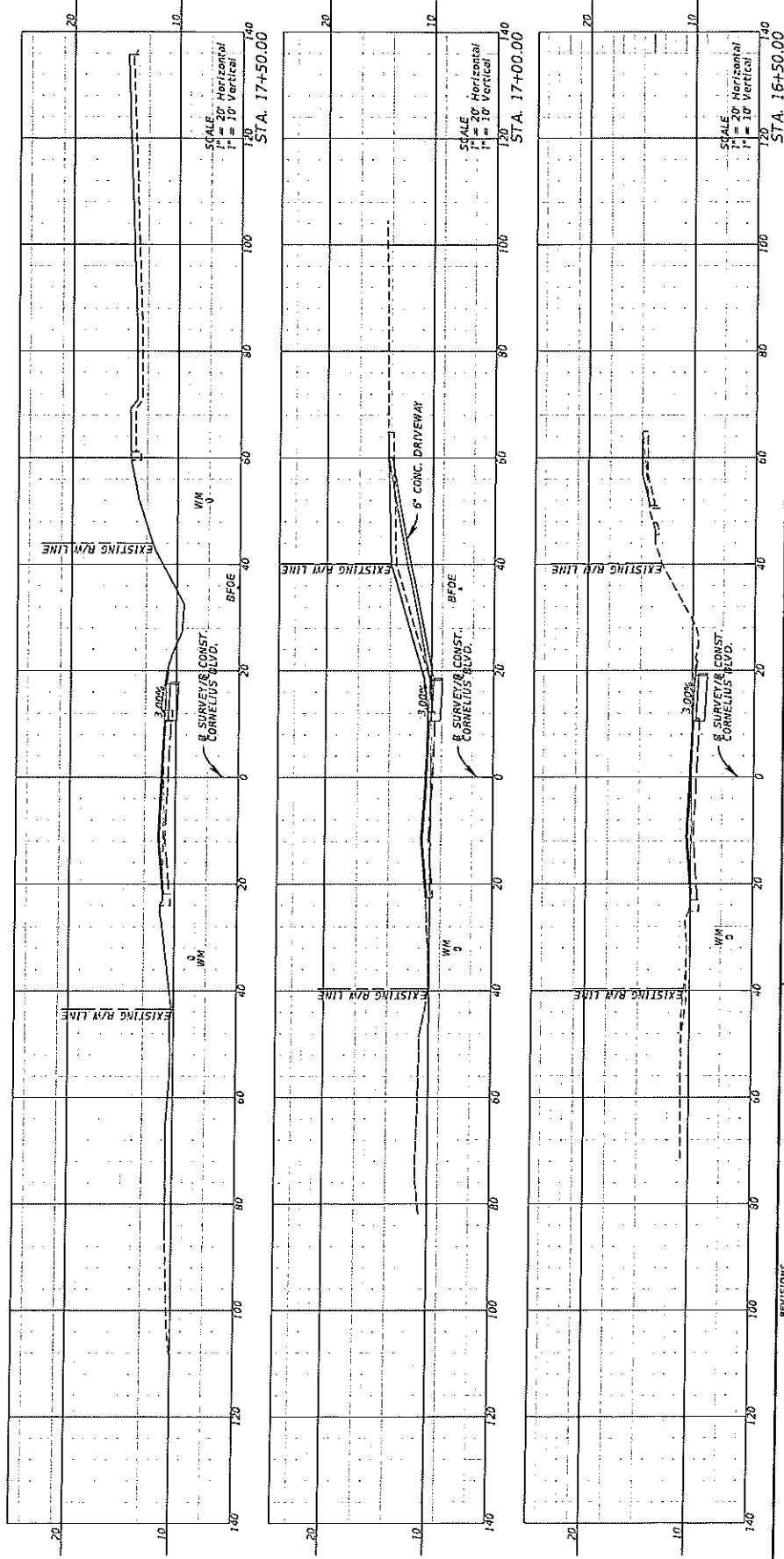
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| SIA. 13429.83 | CROSS SECTIONS |    |
|               | SHEET NO.      | 42 |



CROSS SECTIONS

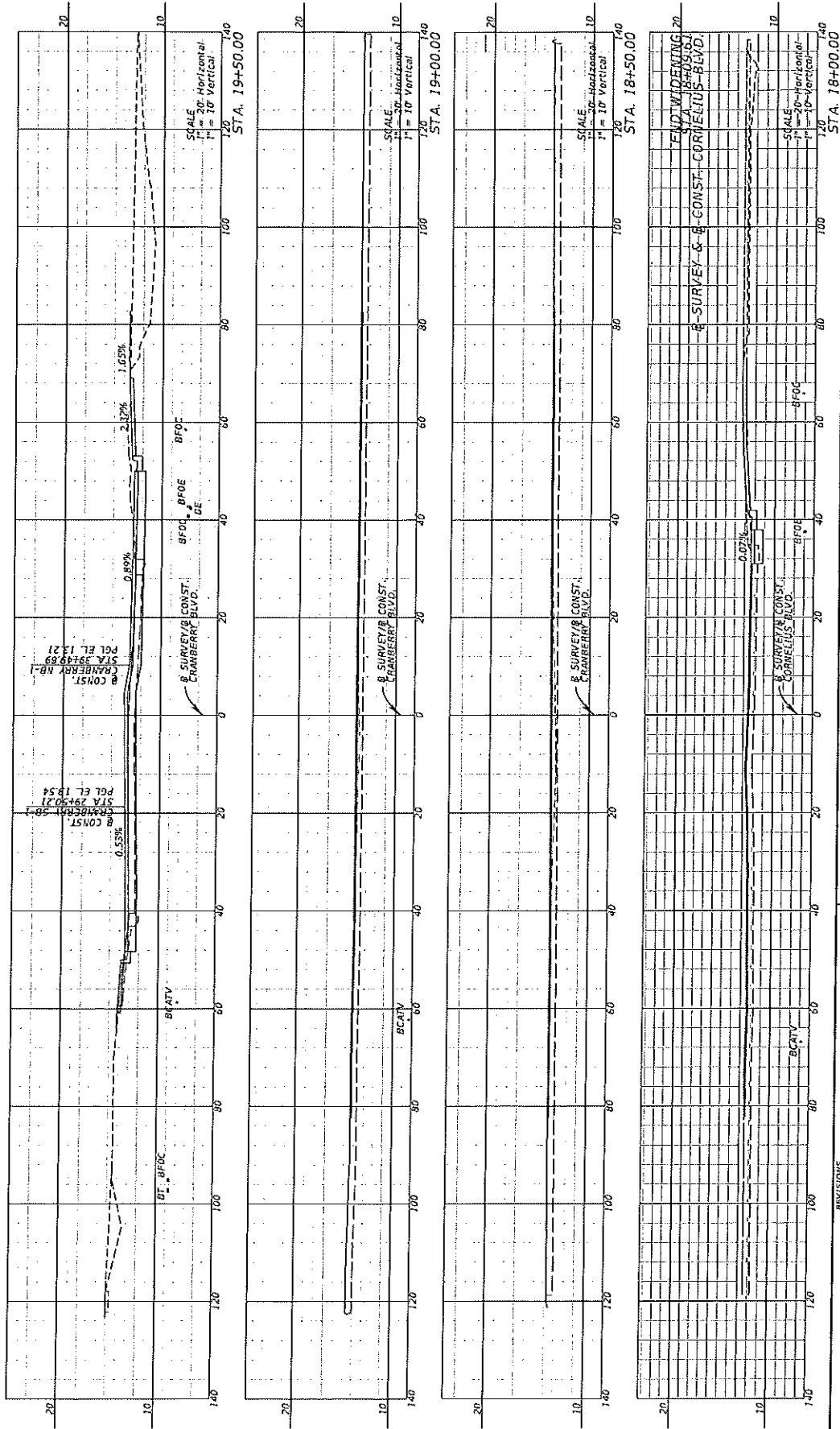
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|-----------|--|-------------|--|------|--|
| DATE      |  | DISCUSSION  |  | DATE |  |

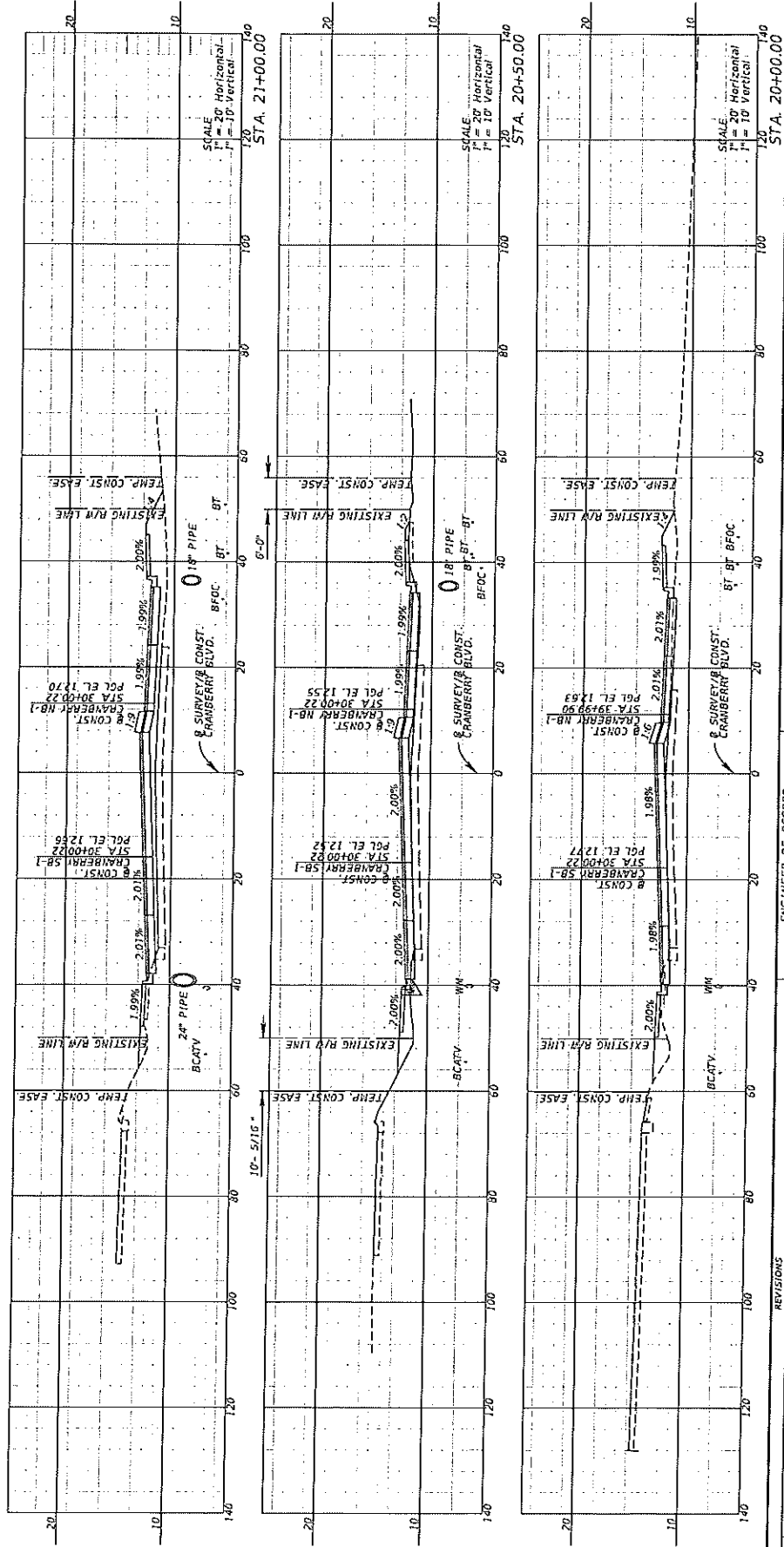
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|----------------------------------|--|-------------------------------------------|--|-----------|--|
| ENGINEER OF RECORD               |  | City of North Port                        |  | SHEET NO. |  |
| GARY L. MADSEN, P.E.             |  | ROUNDABOUT AT                             |  | 43        |  |
| LICENSE NUMBER 49629             |  | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |           |  |
| KINLEY-HORN AND ASSOCIATES, INC. |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |           |  |
| 1600 SECOND STREET, SUITE 900    |  |                                           |  |           |  |
| SARASOTA, FL 34236               |  |                                           |  |           |  |



| REVISIONS                                 |  | DESCRIPTION |  | DATE      |    |
|-------------------------------------------|--|-------------|--|-----------|----|
| DATE                                      |  | DESCRIPTION |  | DATE      |    |
| ENGINEER OF RECORD                        |  |             |  |           |    |
| GARY J. MADEAU, P.E.                      |  |             |  |           |    |
| LICENSE NUMBER 49629                      |  |             |  |           |    |
| KIMLEY-HORN AND ASSOCIATES, INC.          |  |             |  |           |    |
| 1800 SECOND STREET, SUITE 900             |  |             |  |           |    |
| SARASOTA, FL 34236                        |  |             |  |           |    |
| City of North Port                        |  |             |  |           |    |
| ROUNDABOUT AT                             |  |             |  |           |    |
| S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |             |  |           |    |
| SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |             |  |           |    |
| CROSS SECTIONS                            |  |             |  | SHEET NO. | 44 |

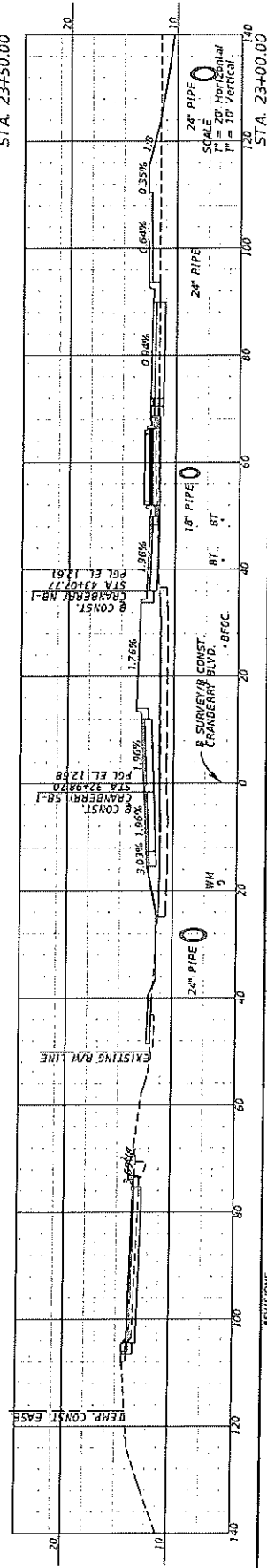




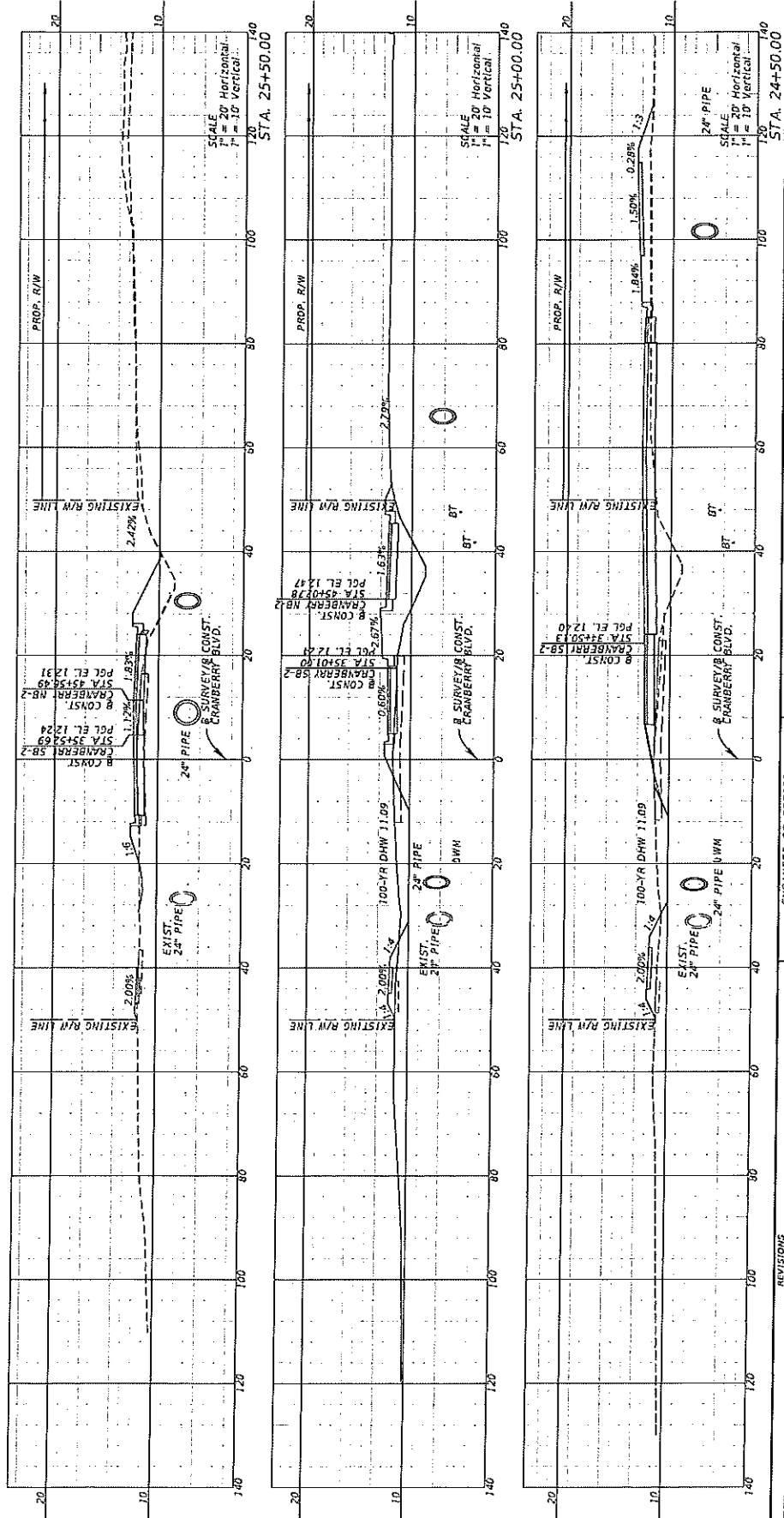


| CROSS SECTIONS |  | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  | City of North Port   |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |  | SHEET NO.                        |  |
|----------------|--|-------------------------------------------|--|----------------------|--|------------------------------------------|--|----------------------------------|--|
| 46             |  | ENGINEER OF RECORD                        |  | GARY J. MADEAU, P.E. |  | LICENSE NUMBER 49629                     |  | KINLEY-HORN AND ASSOCIATES, INC. |  |
|                |  | REVISIONS                                 |  | DATE                 |  | DESCRIPTION                              |  | 1800 SECOND STREET, SUITE 300    |  |
|                |  |                                           |  |                      |  |                                          |  | SARASOTA, FL 34236               |  |

| DATE | DESCRIPTION | REVISIONS | DATE | DESCRIPTION | ENGINEER OF RECORD                                                                                                                  | CITY OF NORTH PORT                                         | CROSS SECTIONS | SHEET NO. |
|------|-------------|-----------|------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|-----------|
|      |             |           |      |             | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49829<br>KIMLEY-HORN ASSOCIATES, INC.<br>1905 SECOND STREET, SUITE 300<br>SARASOTA, FL 34236 | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |                | 47        |
|      |             |           |      |             |                                                                                                                                     | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                   |                |           |



|      |  |             |  |           |  |                                                                                                                                         |  |                                                                                                                               |  |               |  |
|------|--|-------------|--|-----------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|---------------|--|
| DATE |  | DESCRIPTION |  | REVISIONS |  | ENGINEER OF RECORD                                                                                                                      |  | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA, AND CHARLOTTE COUNTIES, FLORIDA |  | SHEET NO. 48  |  |
|      |  |             |  |           |  | GARY J. WADEAU, P.E.<br>LICENSE NUMBER 49620<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 500<br>SARASOTA, FL 34236 |  |                                                                                                                               |  | S.A. 23+00.00 |  |
|      |  |             |  |           |  |                                                                                                                                         |  | CROSS SECTIONS                                                                                                                |  |               |  |



## CROSS SECTIONS

*City of North Port*  
 ROUNDABOUT AT  
 CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
 SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

ENGINEER OF RECORD

GARY J. NADEAU, P.E.  
LICENSE NUMBER 49629  
KIMLEY-HORN AND ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236

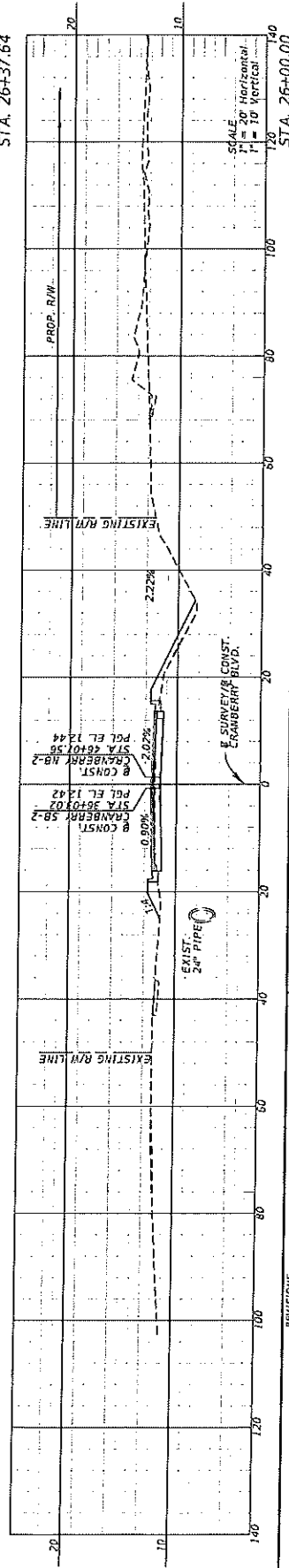
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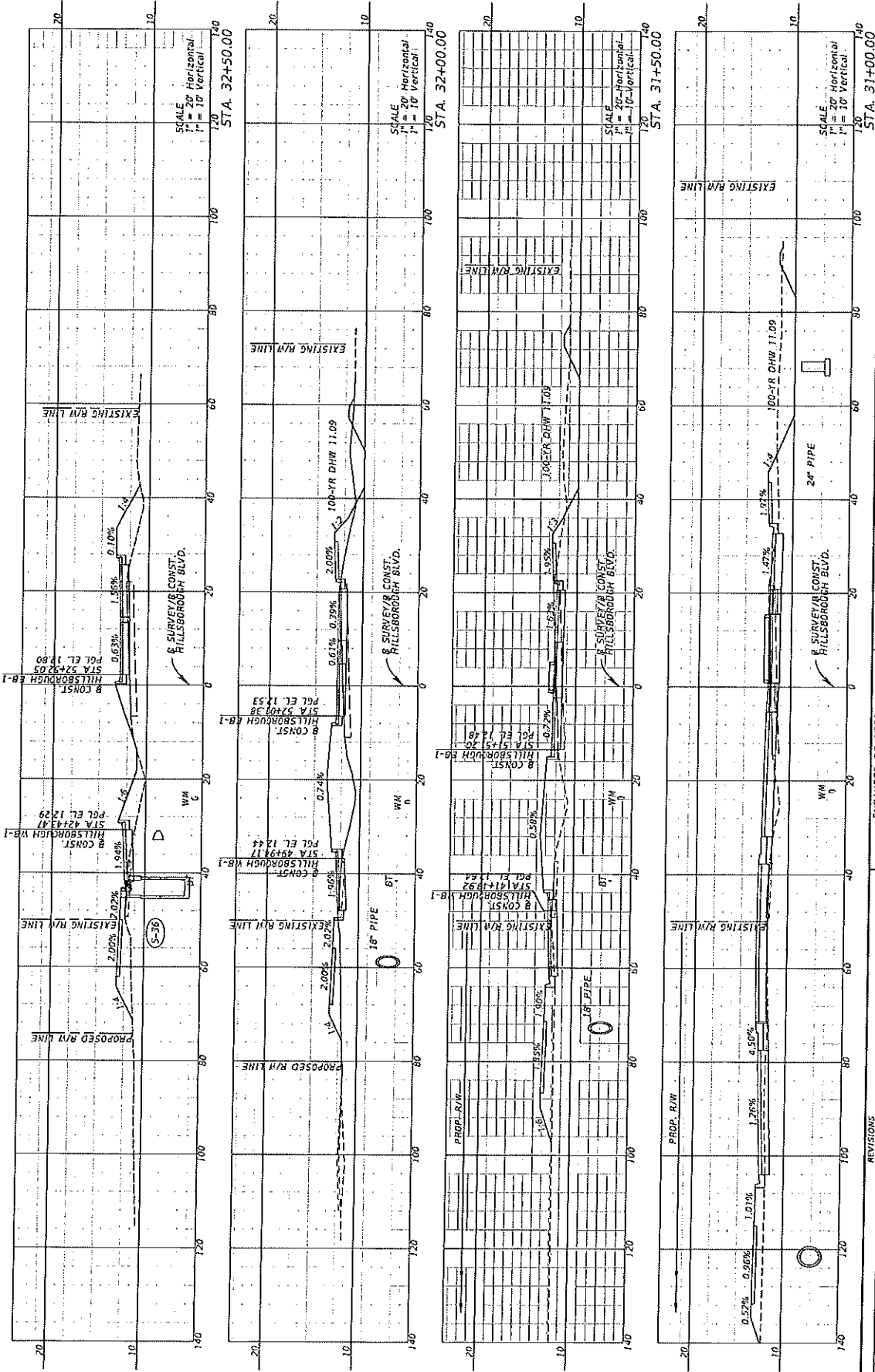
DATE

NO  
SHEET

49



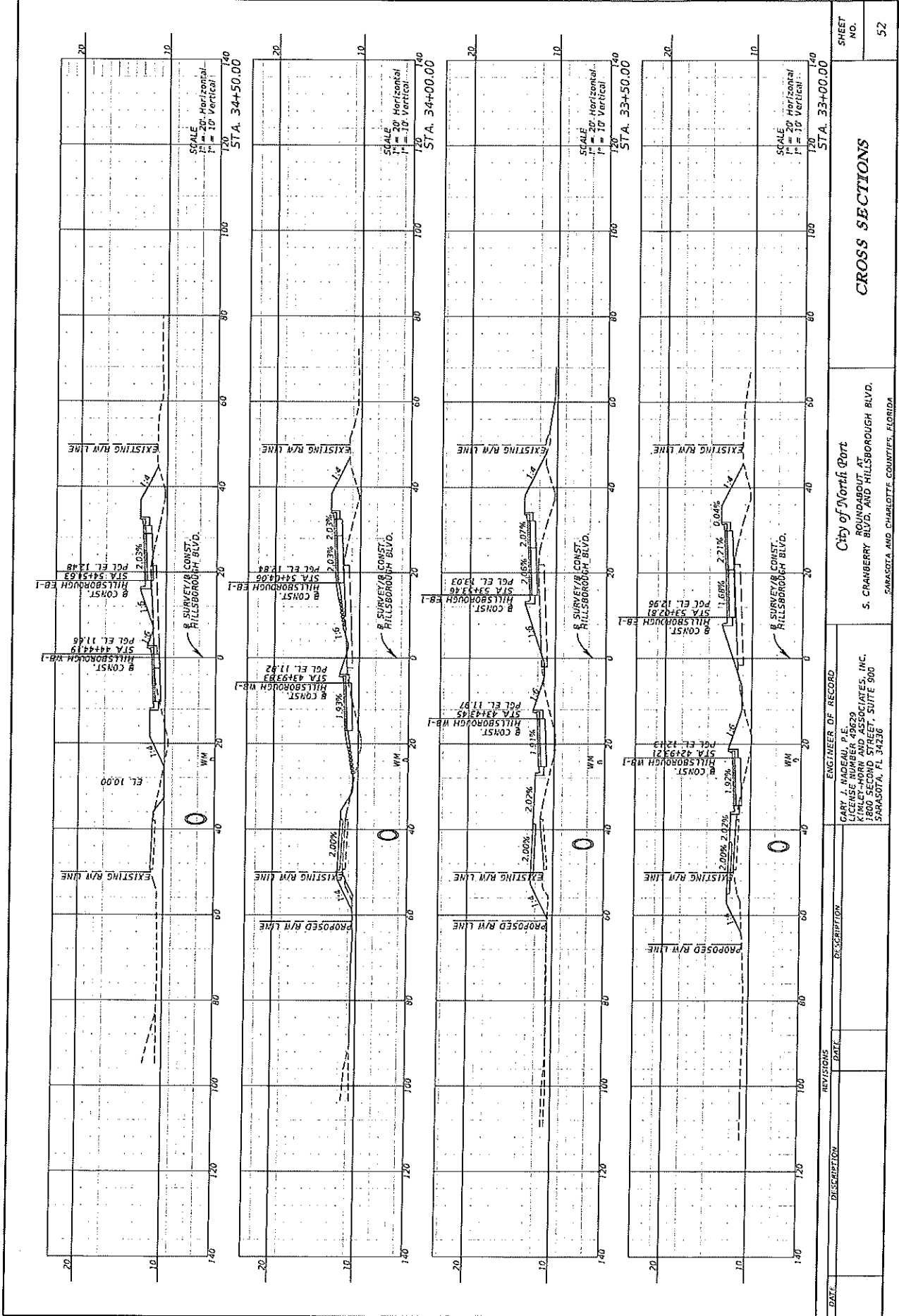
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|----------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| DATE                                                                                                                                         | DESCRIPTION | DATE               | DESCRIPTION                                                                                                                             |                |           |
|                                                                                                                                              |             |                    | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 19629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 200<br>SARASOTA, FL 34236 |                | 50        |
| <p>City of North Port</p> <p>ROUNDABOUT AT<br/>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.</p> <p>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA</p> |             |                    |                                                                                                                                         |                |           |



| REVISIONS |             | DESCRIPTION |             | DATE |             |
|-----------|-------------|-------------|-------------|------|-------------|
| DATE      | DESCRIPTION | DATE        | DESCRIPTION | DATE | DESCRIPTION |

|                                  |  |                                           |  |
|----------------------------------|--|-------------------------------------------|--|
| ENGINEER OF RECORD               |  | City of North Port                        |  |
| GARY J. MADBAI, P.E.             |  | ROUNDABOUT AT                             |  |
| LICENSE NUMBER 49629             |  | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |
| KIMLEY-HORN AND ASSOCIATES, INC. |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |
| 1800 SECOND STREET, SUITE 900    |  |                                           |  |
| SARASOTA, FL 34236               |  |                                           |  |

|                |  |           |  |
|----------------|--|-----------|--|
| CROSS SECTIONS |  | SHEET NO. |  |
|                |  | 51        |  |



CROSS SECTIONS

City of North Port  
ROUNDABOUT AT  
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

ENGINEER OF RECORD  
GARY J. MADEAU, P.E.  
LICENSE NUMBER 49629  
KIMLEY-HORN AND ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236

DESCRIPTION

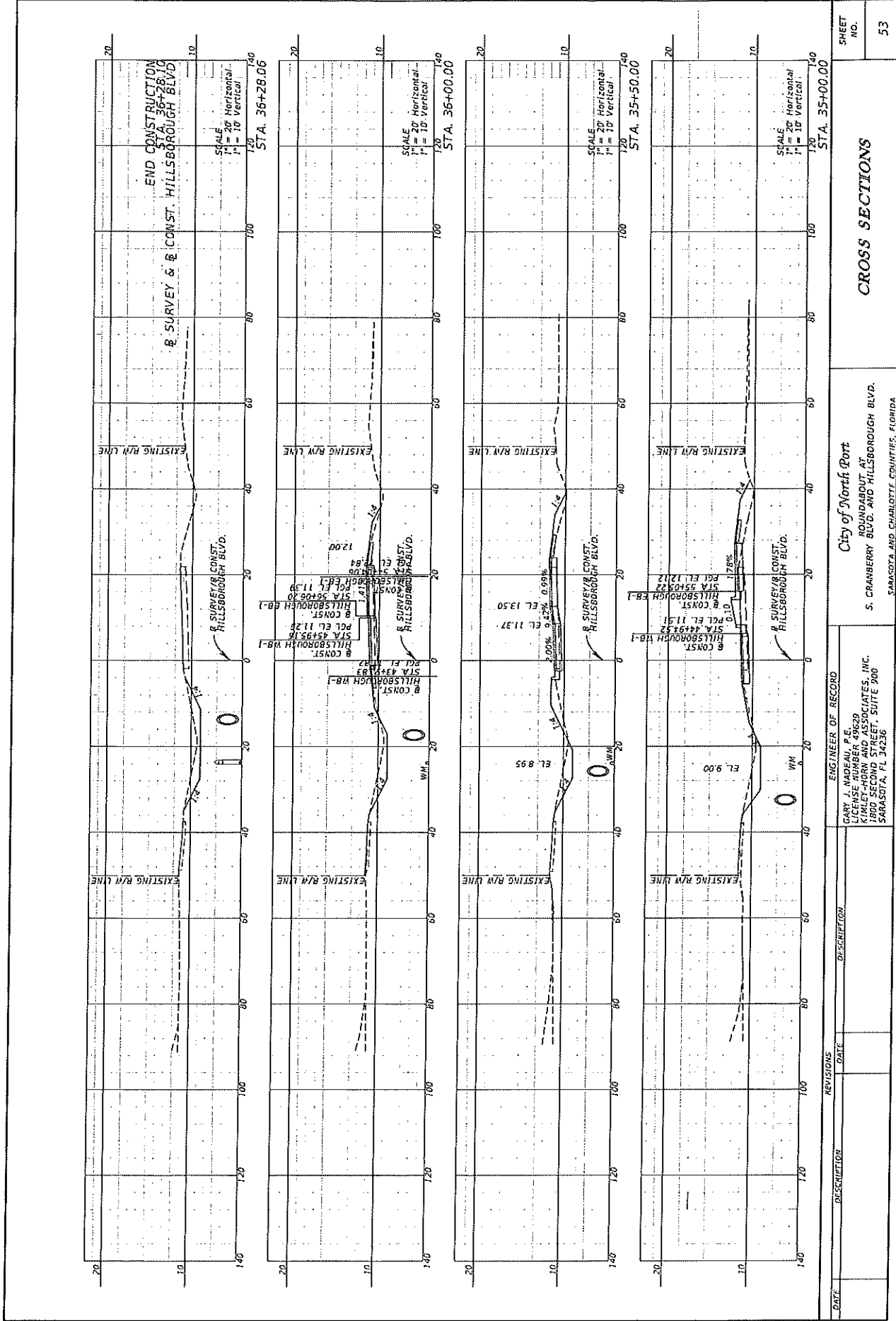
REVISIONS

DATE

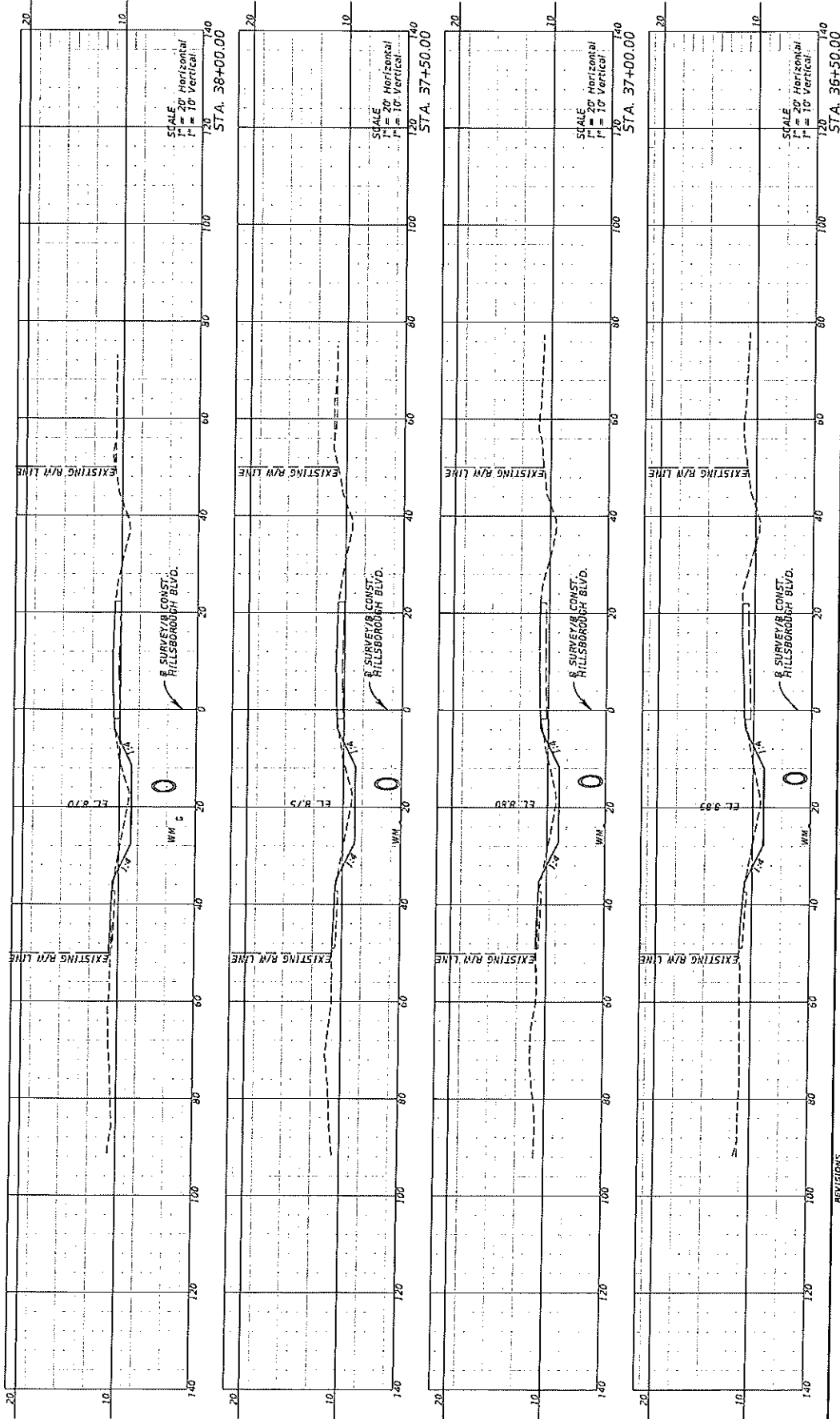
DATE

SHEET NO.  
52

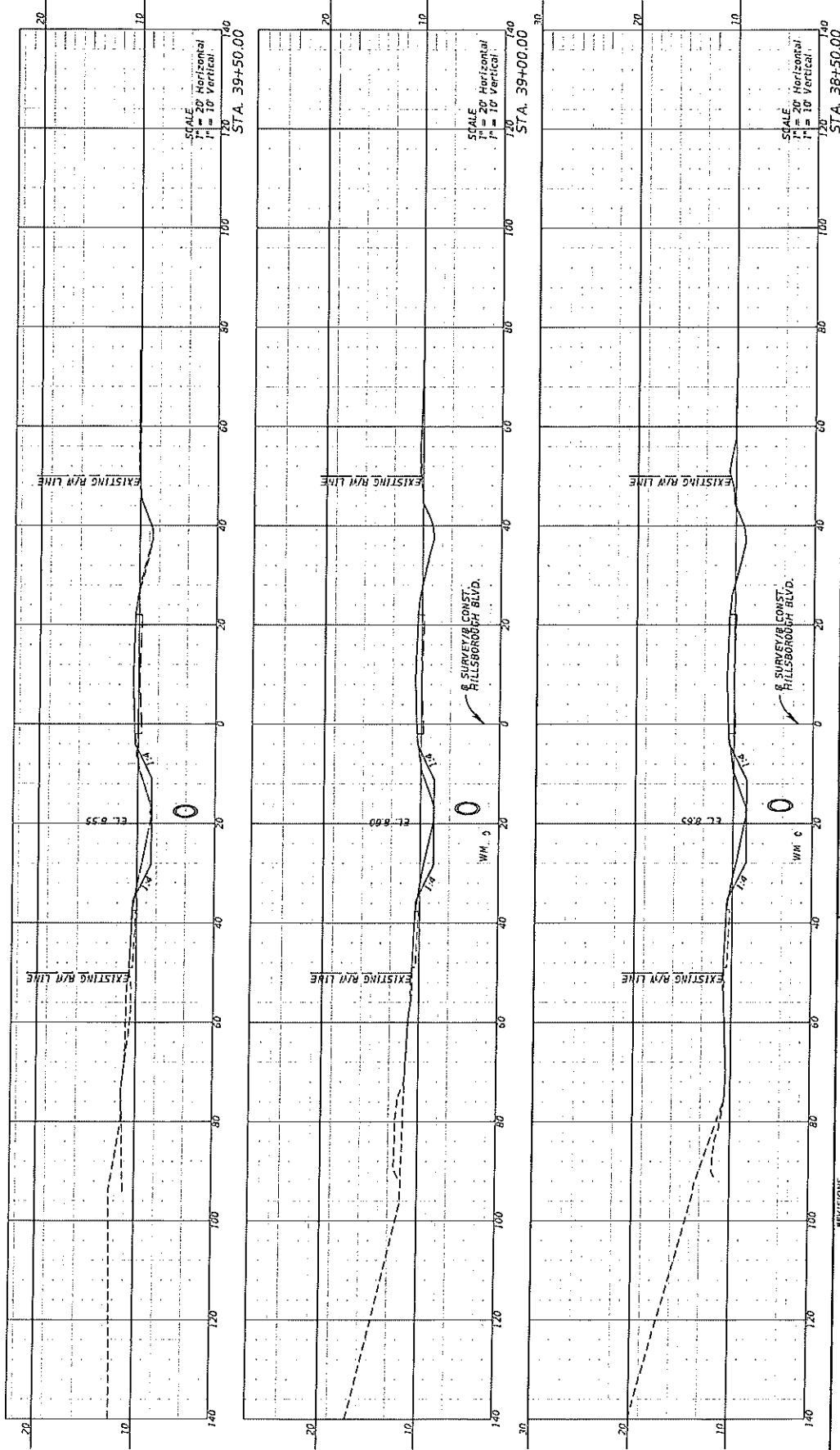




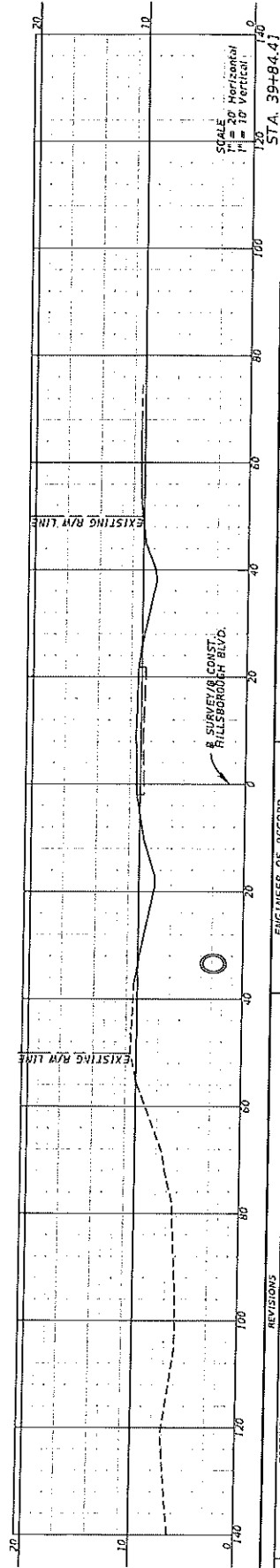
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| DATE                             |  | DESCRIPTION |  | DATE                                      |  |
| ENGINEER OF RECORD               |  |             |  |                                           |  |
| GARY L. MADEH, P.E.              |  |             |  |                                           |  |
| LICENSE NUMBER 49629             |  |             |  |                                           |  |
| KIMLEY-HORN AND ASSOCIATES, INC. |  |             |  |                                           |  |
| 1800 SECOND STREET, SUITE 900    |  |             |  |                                           |  |
| SARASOTA, FL 34236               |  |             |  |                                           |  |
| City of North Port               |  |             |  | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |
| ROUNDABOUT AT                    |  |             |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |
| CROSS SECTIONS                   |  |             |  | SHEET NO.                                 |  |
|                                  |  |             |  | 53                                        |  |



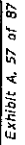
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|  |  |  |  | City of North Port                                         |  | CROSS SECTIONS | SHEET NO. |
|  |  |  |  | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |                |           |
|  |  |  |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                   |  |                | 54        |



| REVISIONS                                 |  | DESCRIPTION |  | DATE           |  |
|-------------------------------------------|--|-------------|--|----------------|--|
| DATE                                      |  | DESCRIPTION |  | DATE           |  |
| ENGINEER OF RECORD                        |  |             |  |                |  |
| GARY J. MADRARI, P.E.                     |  |             |  |                |  |
| LICENSE NUMBER 49629                      |  |             |  |                |  |
| KIMLEY-HORN AND ASSOCIATES, INC.          |  |             |  |                |  |
| 1800 SECOND STREET, SUITE 900             |  |             |  |                |  |
| SARASOTA, FL 34236                        |  |             |  |                |  |
| City of North Port                        |  |             |  | SHEET NO.      |  |
| ROUNDABOUT AT                             |  |             |  | 55             |  |
| S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |             |  | CROSS SECTIONS |  |
| SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |             |  |                |  |



| REVISIONS                                 |  | DESCRIPTION |                | DATE |  |
|-------------------------------------------|--|-------------|----------------|------|--|
| DATE                                      |  | DESCRIPTION |                | DATE |  |
| ENGINEER OF RECORD                        |  |             |                |      |  |
| GARY J. MADEN, P.E.                       |  |             |                |      |  |
| LICENSE NUMBER 49629                      |  |             |                |      |  |
| KIMLEY-HORN AND ASSOCIATES, INC.          |  |             |                |      |  |
| 1800 SECOND STREET, SUITE 900             |  |             |                |      |  |
| SARASOTA, FL 34236                        |  |             |                |      |  |
| CITY OF NORTH PORT                        |  |             | SHEET NO.      |      |  |
| ROUNDABOUT AT                             |  |             | 56             |      |  |
| S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |             | CROSS SECTIONS |      |  |
| SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |             | STA. 39+84.4   |      |  |

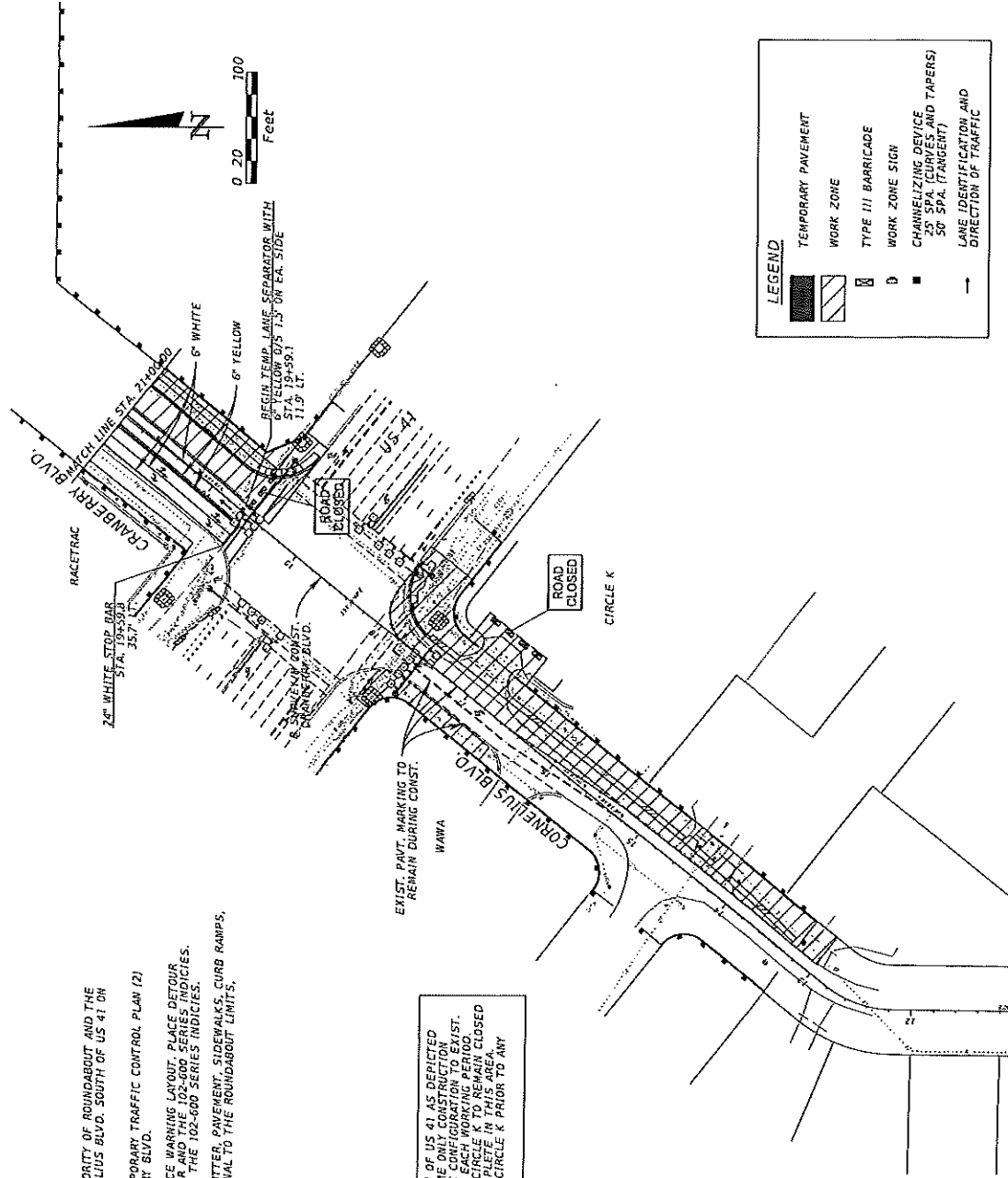


# PHASE 1 PHASING NOTES

PHASE 1 (INTENT: CLOSE HILLSBOROUGH BLVD. AND CONSTRUCT MAJORITY OF ROUNDABOUT AND THE EAST HALF OF CRANBERRY BLVD. AND WIDENING ON CORNELIUS BLVD. SOUTH OF US 41 ON CORNELIUS BLVD.)

1. PLACE TEMPORARY PAVEMENT ACCORDING TO THE PHASE 1 TEMPORARY TRAFFIC CONTROL PLAN (2) (ITCP) FOR NORTH AND SOUTH BOUND TRAFFIC ALONG CRANBERRY BLVD.
2. PLACE SIGNAGE AND DEVICES ACCORDING TO THE (ITCP) ADVANCE WARNING LAYOUT, PLACE DETOUR SIGNS AND DEVICES ACCORDING TO THE (ITCP) PHASE 1 DETOUR AND TRUCK DETOUR DEVICES. PLACE PEDESTRIAN DETOUR SIGNS AND DEVICES ACCORDING TO THE 102-600 SERIES INDICIES.
3. CONSTRUCT PONDS, DRAINAGE, LIGHTING, SIGNALS, CURB AND GUTTER, PAVEMENT, SIDEWALKS, CURB RAMPS, SPLITTER ISLANDS, TRUCK APRON, AND RECONSTRUCTION INTERNAL TO THE ROUNDABOUT LIMITS, OMITTING FRICTION COURSE UNTIL PHASE 3.

NOTE: ALL CONSTRUCTION SW OF US 41 AS DEPICTED IS CONSIDERED A NIGHT TIME ONLY CONSTRUCTION OPERATION. RETURN TRAFFIC CONFIGURATION TO EXIST. END OF EACH WORKING PERIOD. CLOSURE OF DRIVEWAY FOR CIRCLE K TO BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE IN THIS AREA. COORDINATE CLOSURE WITH CIRCLE K PRIOR TO ANY CLOSURE.



LEGEND

TEMPORARY PAVEMENT

WORK ZONE

TYPE III BARRICADE

WORK ZONE SIGN

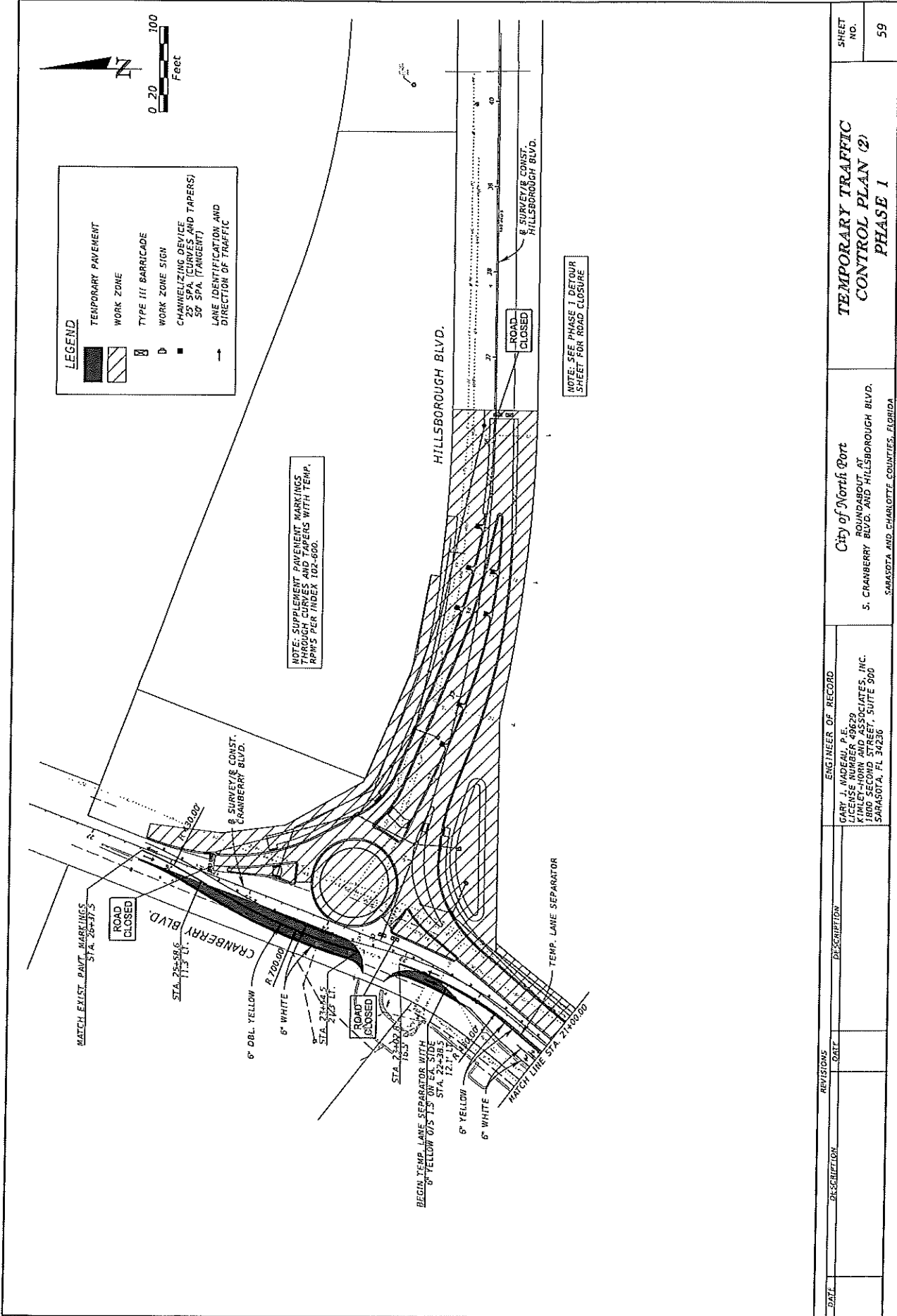
CHANNELIZING DEVICE

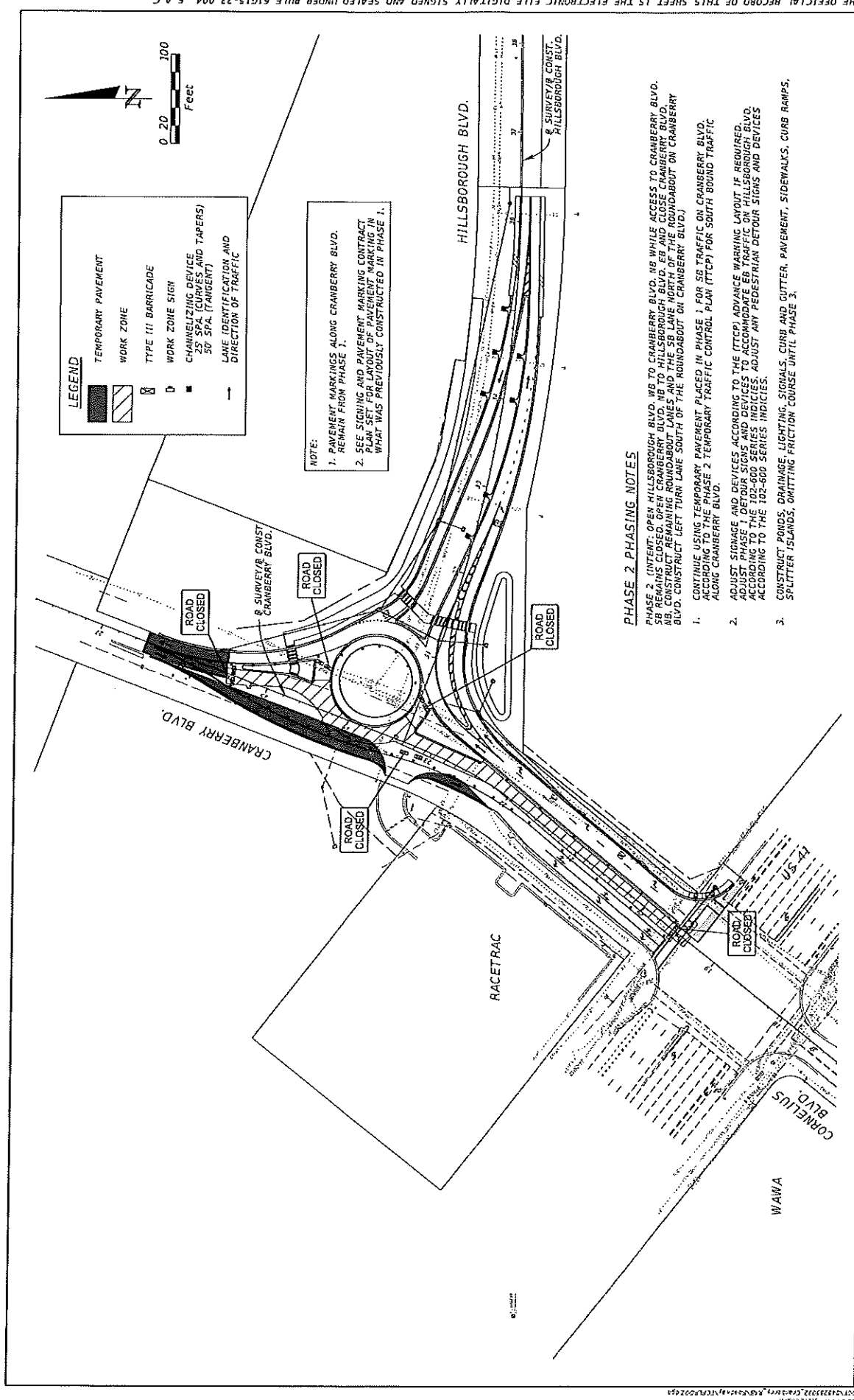
25' SPA (CURVES AND TAPERS)

50' SPA (TANGENT)

LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

| REVISIONS |             | ENGINEER OF RECORD |             | City of North Port                                                                                            |  | TEMPORARY TRAFFIC CONTROL PLAN (1) |  | SHEET NO. |  |
|-----------|-------------|--------------------|-------------|---------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|-----------|--|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION | ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA              |  | PHASE 1                            |  | 58        |  |
|           |             |                    |             | GARY J. MADEAU, P.E.<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>800 SECOND STREET, SUITE 900<br>SPASATO, FL 34236 |  |                                    |  |           |  |





**LEGEND**

TEMPORARY PAVEMENT

WORK ZONE

TYPE III BARRICADE

WORK ZONE SIGN

CHANNELIZING DEVICE (SPALLS AND TAPERS) 50' SPA. (TANGENT)

LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

NOTE:

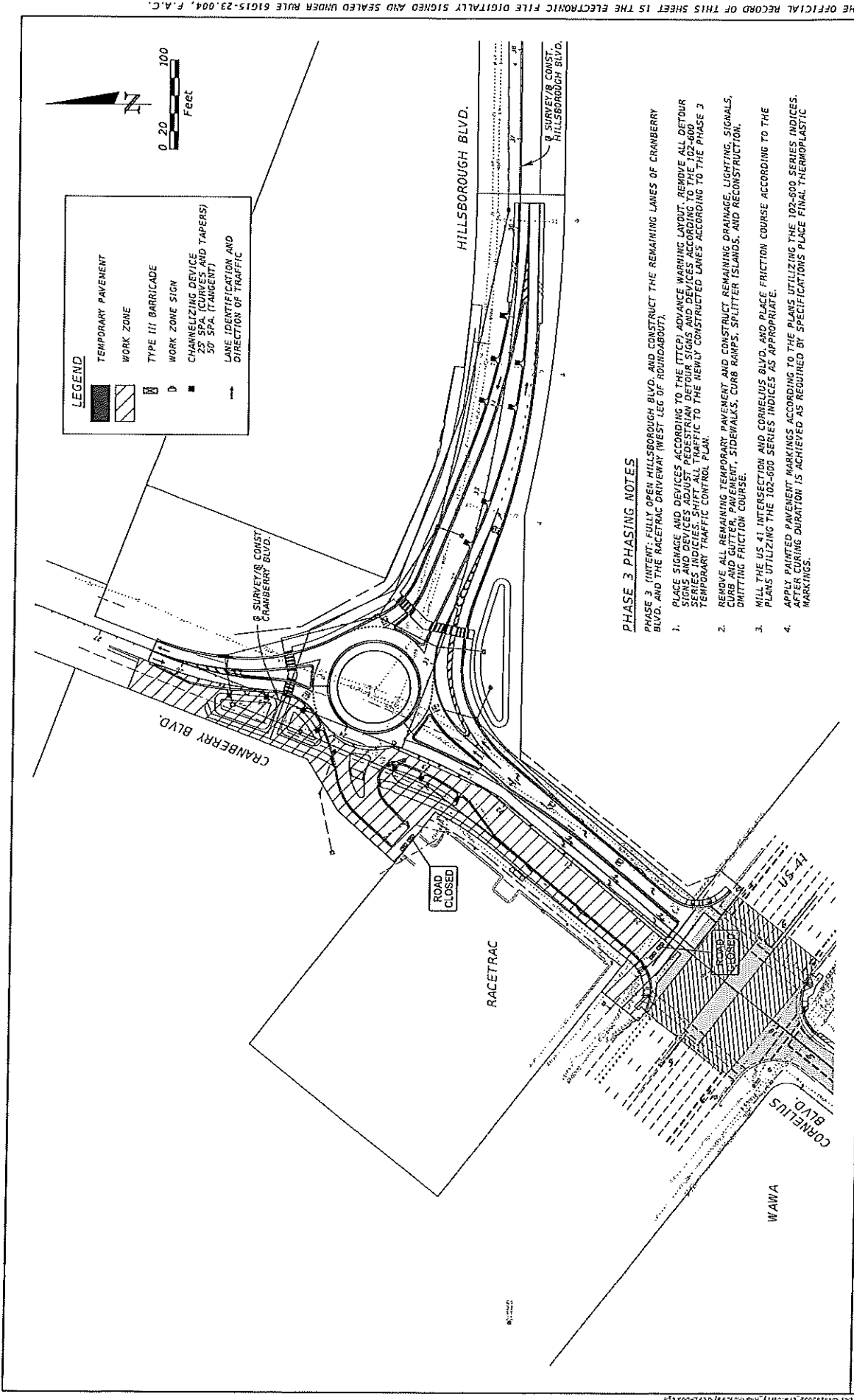
1. PAVEMENT MARKINGS ALONG CRANBERRY BLVD. REMAIN FROM PHASE 1.
2. SEE SIGNING AND PAVEMENT MARKING CONTRACT IN PHASE 1 FOR LAYOUT OF PAVEMENT MARKING IN WHAT WAS PREVIOUSLY CONSTRUCTED IN PHASE 1.

**PHASE 2 PHASING NOTES**

1. PHASE 2 (INTERMITTENT) OPEN HILLSBOROUGH BLVD. WB TO CRANBERRY BLVD. NB WHILE ACCESS TO CRANBERRY BLVD. REMAINS OPEN. CRANBERRY BLVD. NB TO HILLSBOROUGH BLVD. EB AND CLOSE CRANBERRY BLVD. NB. CONSTRUCT REMAINING 50' TANGENT OF THE ROUNDABOUT ON CRANBERRY BLVD. CONSTRUCT LEFT TURN LANE SOUTH OF THE ROUNDABOUT ON CRANBERRY BLVD.
2. CONTINUE USING TEMPORARY PAVEMENT PLACED IN PHASE 1 FOR SB TRAFFIC ON CRANBERRY BLVD. ALONG CRANBERRY BLVD.
3. ADJUST SIGNAGE AND DEVICES ACCORDING TO THE (TTCP) ADVANCE WARNING LAYOUT IF REQUIRED. ADJUST PHASE 1 DETOUR SIGNS AND DEVICES TO ACCOMMODATE EB TRAFFIC ON HILLSBOROUGH BLVD. ACCORDING TO THE 100-600 SERIES INDICES. ADJUST ANY PEDESTRIAN DETOUR SIGNS AND DEVICES ACCORDING TO THE 100-600 SERIES INDICES.
4. CONSTRUCT PONDS, DRAINAGE, LIGHTING, SIGNALS, CURB AND GUTTER, PAVEMENT, SIDEWALKS, CURB RAMPS, SPLITTER ISLANDS, OMITTING FRICTION COURSE UNTIL PHASE 3.

| REVISIONS |             | ENGINEER OF RECORD |                                                                                                                                         | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br><br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | TEMPORARY TRAFFIC<br>CONTROL PLAN<br>PHASE 2 | SHEET<br>NO. |
|-----------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION                                                                                                                             |                                                                                                                                  |                                              |              |
|           |             |                    | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |                                                                                                                                  |                                              | 60           |





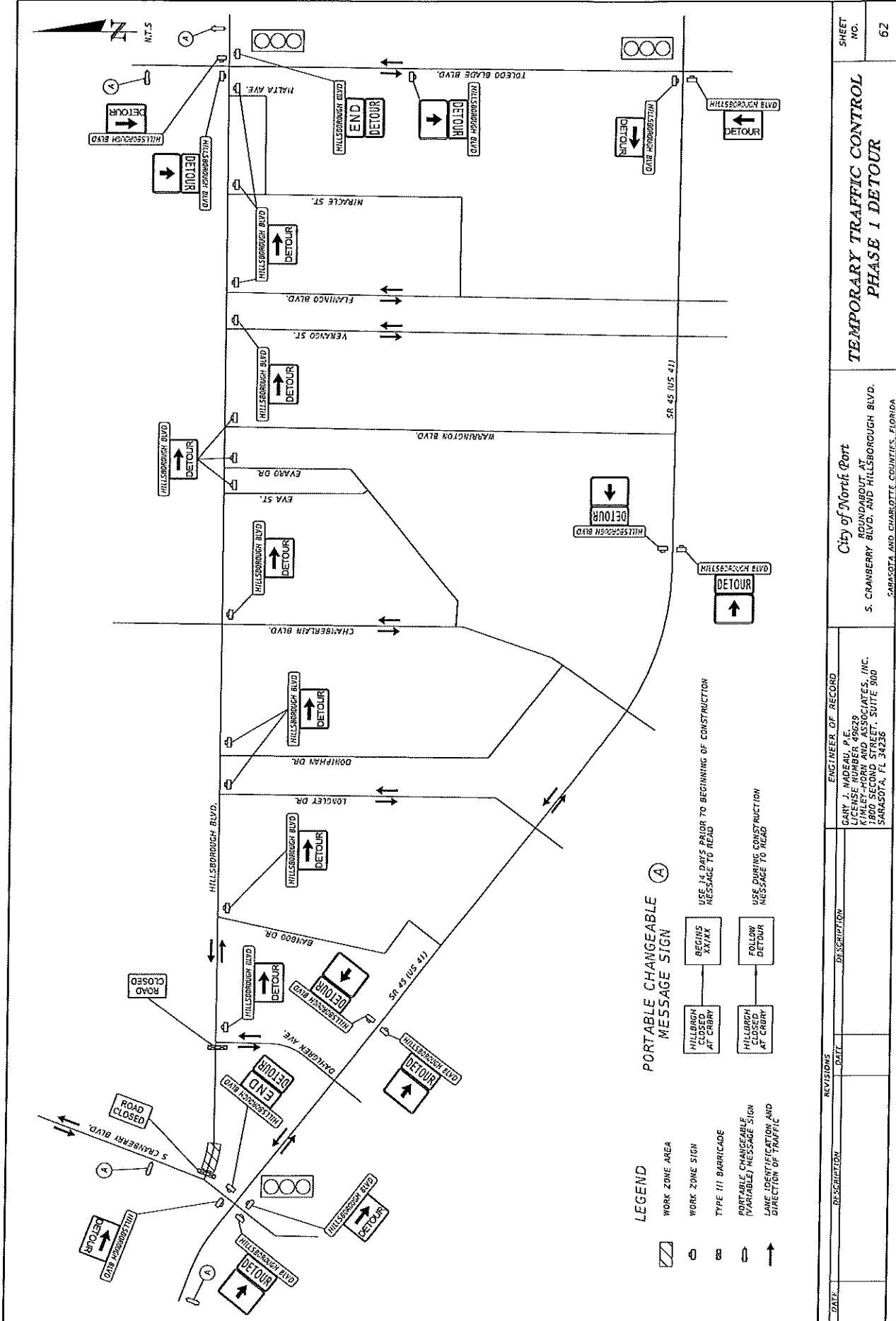
**LEGEND**

- TEMPORARY PAVEMENT
- WORK ZONE
- TYPE III BARRICADE
- WORK ZONE SIGN
- CHANNELIZING DEVICE
- 25' SPA (CURVES AND TAPERS)
- 30' SPA (TANGENT)
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

**PHASE 3 PHASING NOTES**

- PHASE 3 (INTENT: FULLY OPEN HILLSBOROUGH BLVD. AND CONSTRUCT THE REMAINING LANES OF CRANBERRY BLVD. AND THE RACETRAC DRIVEWAY (WEST LEG OF ROUNDABOUT)).
1. PLACE SIGNS AND DEVICES ACCORDING TO THE (TTCP) ADVANCE WARNING LAYOUT. REMOVE ALL DETOUR SIGNS AND DEVICES ADJUST PEDESTRIAN DETOUR SIGNS AND DEVICES ACCORDING TO THE 102-600 TEMPORARY TRAFFIC CONTROL PLAN.
  2. REMOVE ALL REMAINING TEMPORARY PAVEMENT AND CONSTRUCT REMAINING DRAINAGE, LIGHTING, SIGNALS, CURB AND GUTTER, PAVEMENT, SIDEWALKS, CURB RAMPS, SPLITTER ISLANDS, AND RECONSTRUCTION.
  3. MILL THE US 41 INTERSECTION AND CORNELIUS BLVD. AND PLACE FRICTION COURSE ACCORDING TO THE PLANS UTILIZING THE 102-600 SERIES INDICES AS APPROPRIATE.
  4. APPLY PAINTED PAVEMENT MARKINGS ACCORDING TO THE PLANS UTILIZING THE 102-600 SERIES INDICES. AFTER CURING DURATION IS ACHIEVED AS REQUIRED BY SPECIFICATIONS PLACE FINAL THERMOPLASTIC MARKINGS.

| REVISIONS |             | ENGINEER OF RECORD |             | City of North Port                                                                                                                      |  | TEMPORARY TRAFFIC CONTROL PLAN |  | SHEET NO. |  |
|-----------|-------------|--------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------|--|-----------|--|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.                                                                              |  | PHASE 3                        |  | 61        |  |
|           |             |                    |             | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA                                                                                                |  |                                |  |           |  |
|           |             |                    |             | GARY J. NADIAU, P.E.<br>LICENSE NUMBER 49629<br>KINLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  |                                |  |           |  |

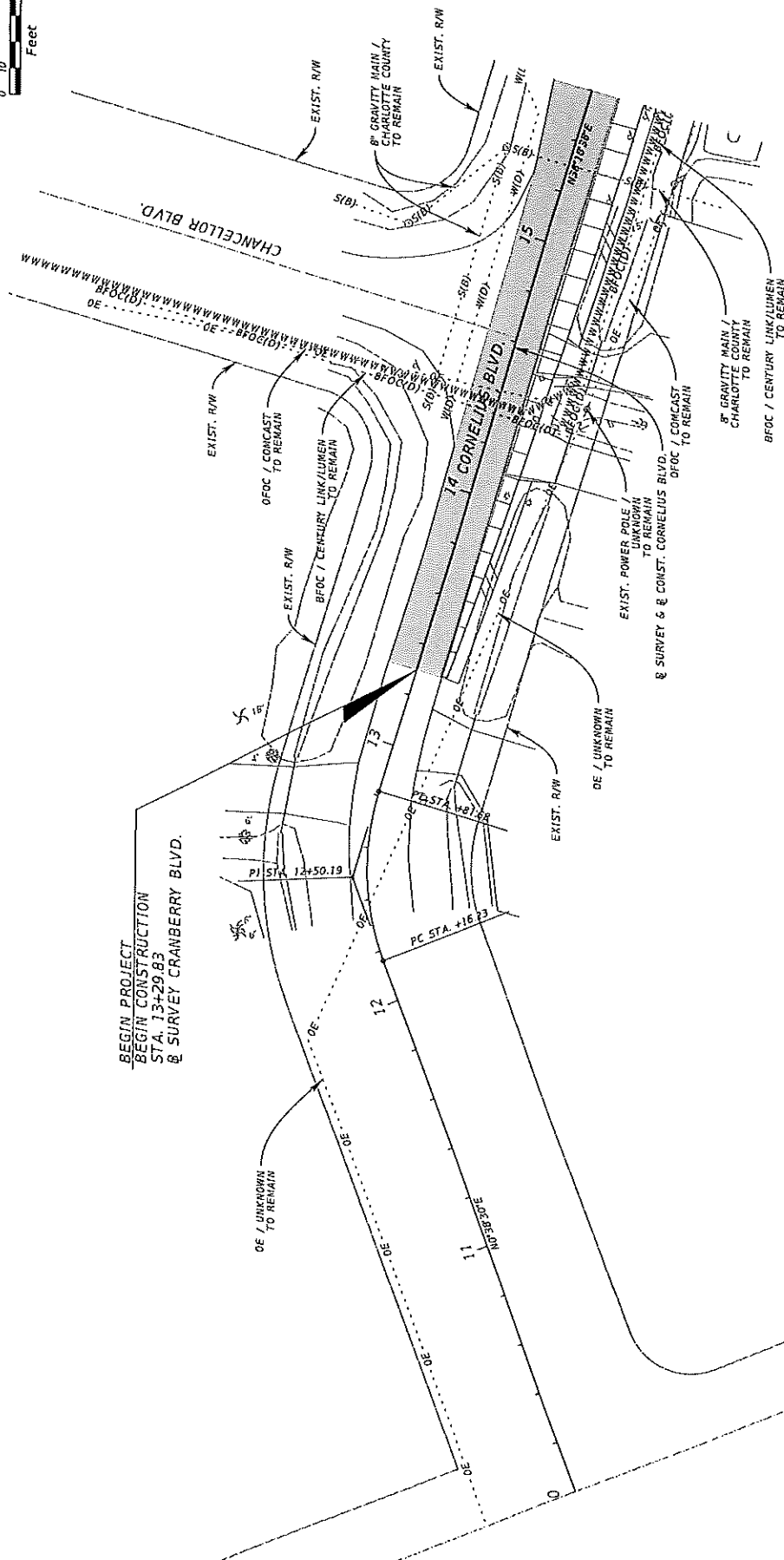


# TEMPORARY TRAFFIC CONTROL PHASE 1 DETOUR

City of North Port  
ROUNDABOUT AT  
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

ENGINEER OF RECORD  
GARY J. MADEAU, P.E.  
LICENSE NUMBER 49629  
KIMLEY-HORN AND ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236

| REVISIONS | DATE | DESCRIPTION |
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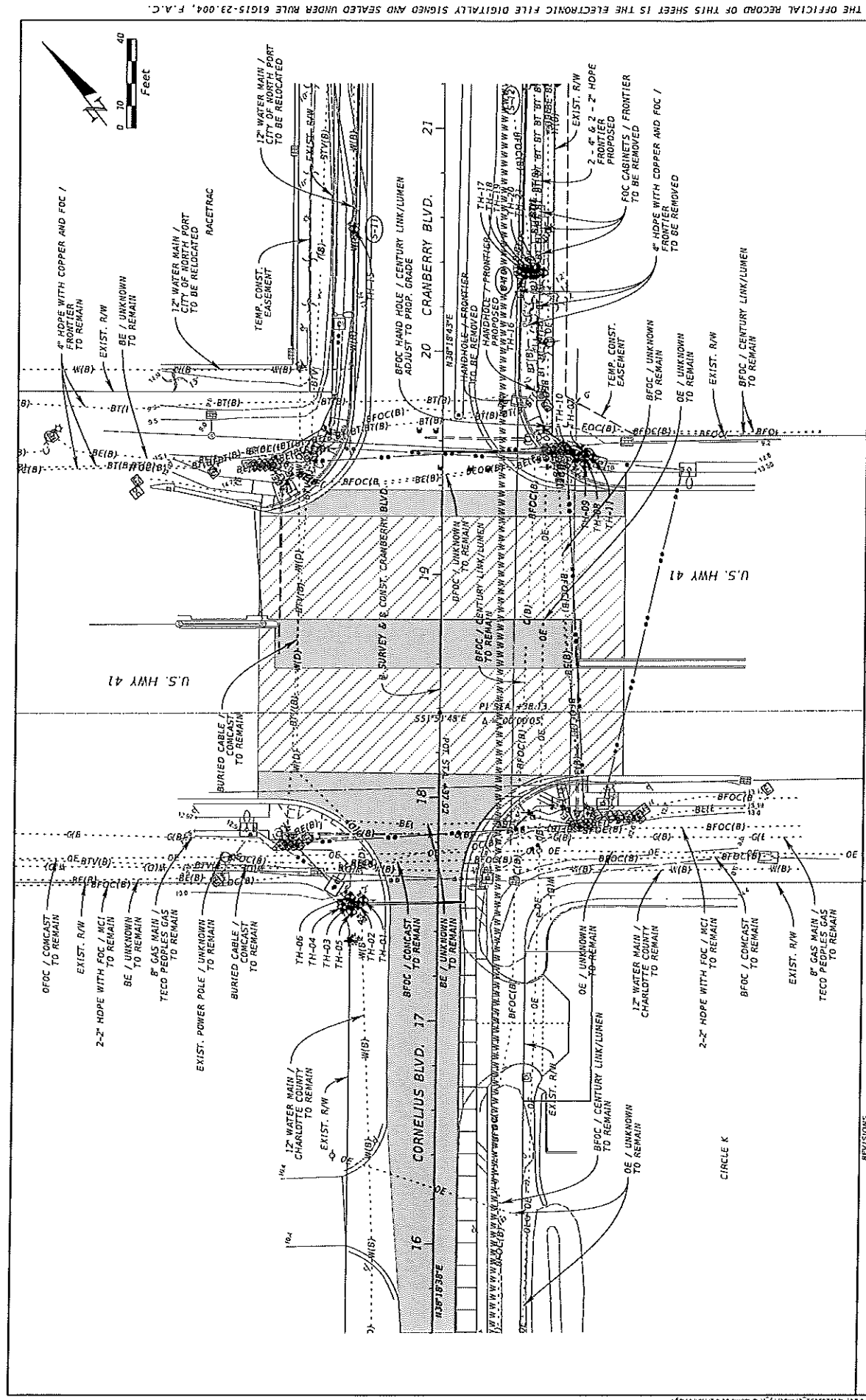


BEGIN PROJECT  
BEGIN CONSTRUCTION  
STA. 13+29.83  
@ SURVEY CRANBERRY BLVD.

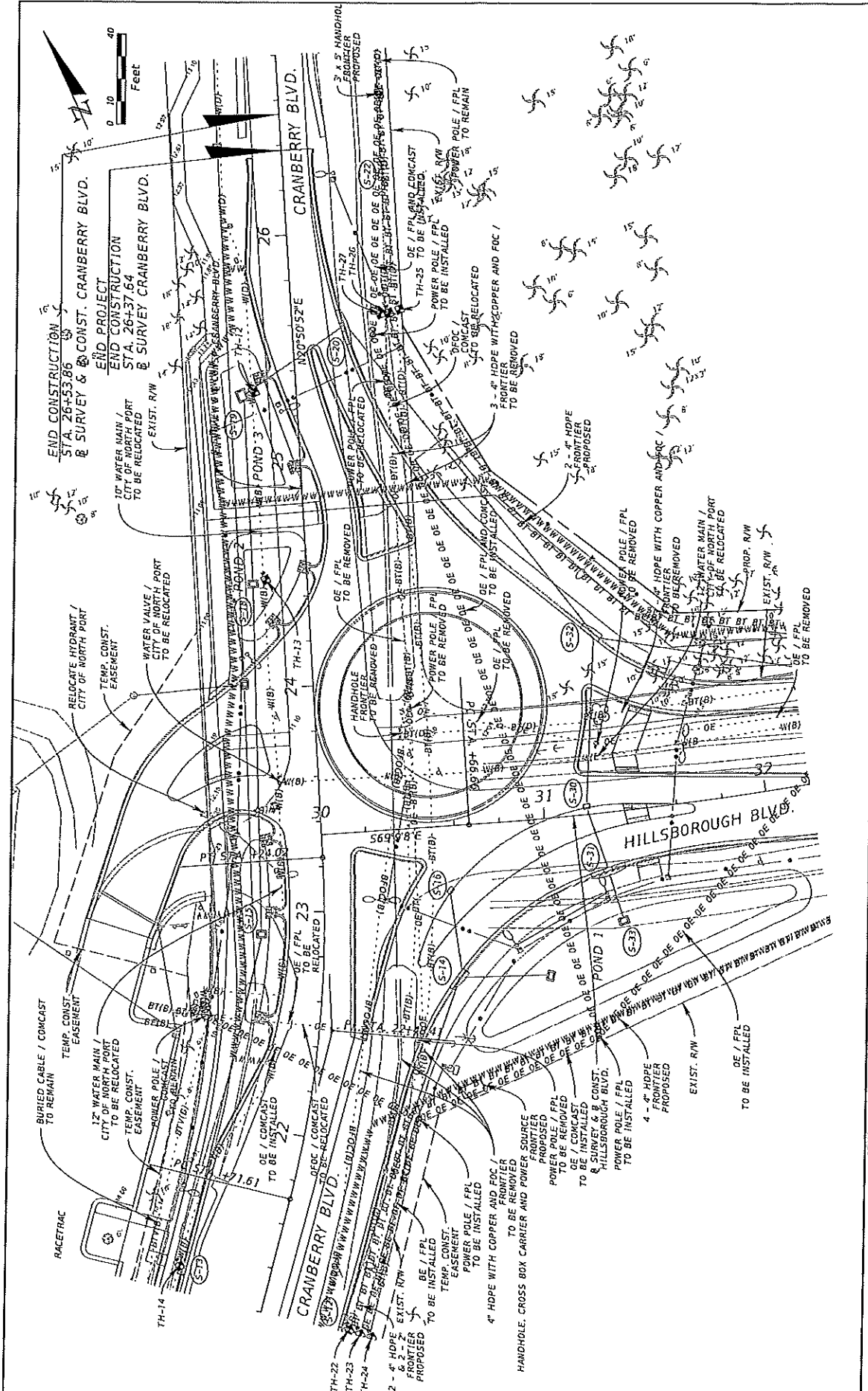
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| DATE |  | DISCUSSION |  | REVISIONS |  | ENGINEER OF RECORD                                                                                                                      |  | SHEET NO.                                                                                                                    | 63 |
|------|--|------------|--|-----------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|----|
|      |  |            |  |           |  |                                                                                                                                         |  |                                                                                                                              |    |
|      |  |            |  |           |  | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 09520<br>KINLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |    |
|      |  |            |  |           |  |                                                                                                                                         |  | UTILITY ADJUSTMENTS (1)                                                                                                      |    |

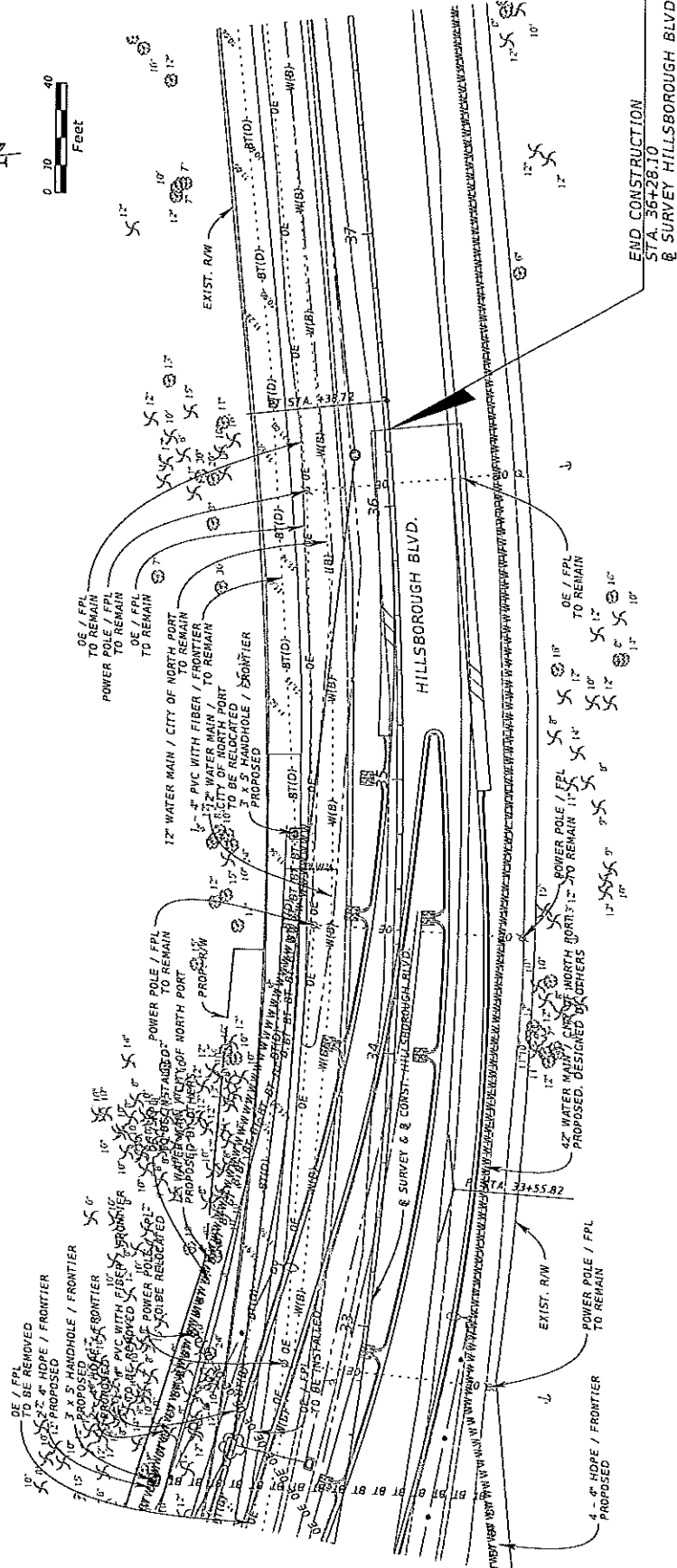
Exhibit A, 63 of 87



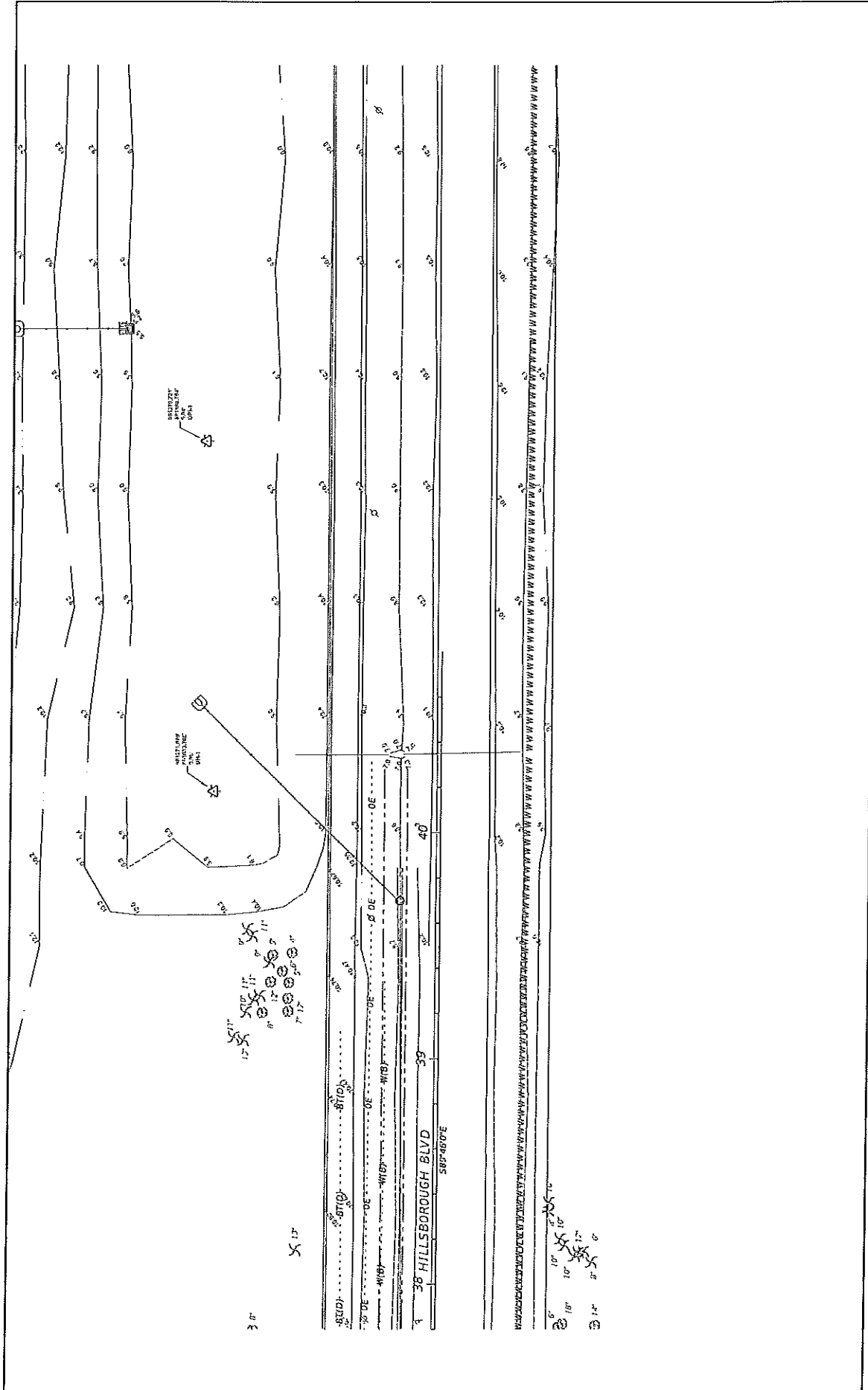
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| REVISIONS |             |      |             | ENGINEER OF RECORD                                                                                                                      | City of North Port<br><br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br><br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | UTILITY ADJUSTMENTS (3) | SHEET<br>NO.<br><br>65 |
|-----------|-------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|
| DATE      | DESCRIPTION | DATE | DESCRIPTION |                                                                                                                                         |                                                                                                                                      |                         |                        |
|           |             |      |             |                                                                                                                                         |                                                                                                                                      |                         |                        |
|           |             |      |             |                                                                                                                                         |                                                                                                                                      |                         |                        |
|           |             |      |             |                                                                                                                                         |                                                                                                                                      |                         |                        |
|           |             |      |             |                                                                                                                                         |                                                                                                                                      |                         |                        |
|           |             |      |             | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |                                                                                                                                      |                         |                        |



| DATE |  | DESCRIPTION |             | REVISIONS |  | ENGINEER OF RECORD                                                                                                             | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA, FL 34236 | UTILITY ADJUSTMENTS (4) | SHEET NO.<br>66 |
|------|--|-------------|-------------|-----------|--|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------|-----------------|
| DATE |  | DATE        | DESCRIPTION |           |  |                                                                                                                                |                                                                                                        |                         |                 |
|      |  |             |             |           |  | GARY J. NADEAU, P.E.<br>LICENSE NUMBER 49529<br>NADEAU ASSOCIATES, INC.<br>1806 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |                                                                                                        |                         |                 |



| REVISIONS |             | ENGINEER OF RECORD |                                                                                                                                         | UTILITY ADJUSTMENTS (6) | SHEET NO. |
|-----------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|
| DATE      | DESCRIPTION | DATE               | DESCRIPTION                                                                                                                             |                         |           |
|           |             |                    | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 49629<br>KINLEY-HORN AND ASSOCIATES, INC.<br>8800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 | 67                      | 67        |

VERIFIED UTILITY LOCATE SHEET

| Uwh # | UTILITY DESCRIPTION<br>(Owner, type) | SIZE        | MATERIALS | NORTHING | EASTING  | EXISTING<br>GROUND<br>ELEVATION | TOP<br>ELEVATION | COMMENTS         |
|-------|--------------------------------------|-------------|-----------|----------|----------|---------------------------------|------------------|------------------|
| TH-01 | WATER MAIN                           | 12"         | PVC       | 900851.0 | 508660.0 | 11.6                            | 7.9              |                  |
| TH-02 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900851.6 | 508660.0 | 11.5                            | N/A              | CAP ROCK @ -6.5' |
| TH-03 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900851.4 | 508660.0 | 11.1                            | N/A              | CAP ROCK @ -6.5' |
| TH-04 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900853.4 | 508659.0 | 10.8                            | N/A              | CAP ROCK @ -6.5' |
| TH-05 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900855.2 | 508659.0 | 10.8                            | N/A              | CAP ROCK @ -6.5' |
| TH-06 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900850.0 | 508660.8 | 10.8                            | N/A              | CAP ROCK @ -6.5' |
| TH-07 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900856.6 | 508661.3 | 11.1                            | N/A              | CAP ROCK @ -6.5' |
| TH-08 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900859.7 | 508659.3 | 12.0                            | N/A              | DUG TO ±10.0'    |
| TH-09 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900945.9 | 508666.3 | 12.0                            | N/A              | DUG TO ±10.0'    |
| TH-10 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900942.9 | 508666.4 | 12.6                            | N/A              | DUG TO ±10.0'    |
| TH-11 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900948.2 | 508660.0 | 12.4                            | N/A              | DUG TO ±10.0'    |
| TH-12 | EXPLORATORY, NO UTILITY FOUND        | N/A         | N/A       | 900942.9 | 508657.1 | 13.2                            | N/A              | DUG TO ±10.0'    |
| TH-13 | WATER MAIN                           | 12"         | PVC       | 901409.6 | 508657.1 | 17.4                            | 9.0              |                  |
| TH-14 | WATER MAIN                           | 12"         | PVC       | 901409.6 | 508655.7 | 17.0                            | 8.6              |                  |
| TH-15 | WATER MAIN                           | 12"         | PVC       | 901409.6 | 508655.7 | 17.0                            | 8.6              |                  |
| TH-16 | WATER MAIN                           | 12"         | PVC       | 901409.6 | 508655.7 | 17.0                            | 8.4              |                  |
| TH-17 | BURIED TELEPHONE DUCT                | 36" x 1/16" | PVC       | 901027.0 | 508659.8 | 11.6                            | 8.0              |                  |
| TH-18 | BURIED TELEPHONE DUCT                | 36" x 1/16" | PVC       | 901027.0 | 508659.8 | 11.6                            | 8.0              |                  |
| TH-19 | BURIED TELEPHONE DUCT                | 36" x 1/16" | PVC / DBC | 901026.0 | 508660.8 | 12.0                            | 8.2              |                  |
| TH-20 | BURIED FIBER OPTIC DUCT              | 72"         | PVC       | 901025.2 | 508660.0 | 12.0                            | 8.8              |                  |
| TH-21 | BURIED TELEPHONE                     | 72"         | PVC / DBC | 901024.5 | 508662.0 | 12.0                            | 8.3              |                  |
| TH-22 | BURIED TELEPHONE                     | 72"         | PVC       | 901023.1 | 508662.7 | 12.1                            | 9.1              |                  |
| TH-23 | BURIED TELEPHONE                     | 72"         | PVC       | 901023.1 | 508662.7 | 12.1                            | 9.1              |                  |
| TH-24 | BURIED TELEPHONE                     | 72"         | DBC       | 901022.9 | 508662.0 | 10.0                            | 8.0              |                  |
| TH-25 | BURIED TELEPHONE                     | 72"         | DBC       | 901022.9 | 508662.0 | 10.0                            | 8.0              |                  |
| TH-26 | BURIED TELEPHONE                     | 72"         | DBC       | 901022.9 | 508662.0 | 11.1                            | 7.6              |                  |
| TH-27 | BURIED TELEPHONE                     | 72"         | DBC       | 901022.9 | 508662.0 | 11.2                            | 9.1              |                  |
| TH-28 | BURIED TELEPHONE DUCT                | 24" x 1/16" | PVC / DBC | 901409.7 | 508659.6 | 11.4                            | 9.3              |                  |
| TH-29 | BURIED FIBER OPTIC DUCT              | 36" x 1/16" | PVC / DBC | 901409.6 | 508657.0 | 11.3                            | 8.0              |                  |
| TH-30 |                                      |             |           | 901408.8 | 508656.9 | 10.4                            | 9.5              |                  |

SUBSURFACE UTILITY ENGINEERING NOTES:  
1. OWNERSHIP IS BASED UPON OBSERVING VISIBLE ABOVE GROUND UTILITY FEATURES,  
SUNSHINE 811 DIG TICKET AND PROFESSIONAL JUDGEMENT.  
NO RECORDS RESEARCH WAS PERFORMED BY WCI INC.

**SURVEYOR'S NOTES:**

1. SURVEY WAS PERFORMED BY WGI, INC.

2. VERTICAL INFORMATION IS RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

3. BEARINGS AND COORDINATES ARE RELATIVE TO THE STATE PLANE COORDINATES FLORIDA WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83), ADJUSTMENT 1990.

4. PROJECT UNITS: U.S. SURVEY FEET.

5. THE SPECIFIC PURPOSE OF SURVEY IS TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF VACUUM TEST HOLES AS MARKED ON THE SURFACE BY THE SUBSURFACE UTILITY ENGINEERING DEPARTMENT OF WGL INC.

G. WCI PROJECT # 7312 04

**SURVEYOR'S CERTIFICATION:**

I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE VACUUM EXCAVATION TEST HOLES, AS MARKED ON THE SURFACE AND SURVEYED BY WGI INC. AND THAT MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTM-13 IS A TRUE, ACCURATE AND COMPLETED DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON FEBRUARY 14, 2023.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL:

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

WGI INC.  
3111 W DR MLK JR. BLVD, SUITE 375  
TAMPA, FL 33607  
CARLOS A. GUTIERREZ, PSM No. 6720

THE ABOVE NAMED PROFESSIONAL SURVEYOR & MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 51-17.062, F.A.C.

| <u>SHEET NO.</u> | <u>SWEET DESCRIPTION</u>   |
|------------------|----------------------------|
| UTV-1            | VERIFIED UTILITY LOCATIONS |

CARLOS A. GUTIERREZ, PSM  
SURVEYOR LICENSE NUMBER 6720  
WGI INC.  
3111 W DR MLK JR BLVD, SUITE 375  
TAMPA, FL 33607

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

**VERIFIED UTILITY  
LOCATE SHEET**

| SDATES | STIMES | SMODELNAME\$ |
|--------|--------|--------------|
|--------|--------|--------------|

Exhibit A, 58 of 87

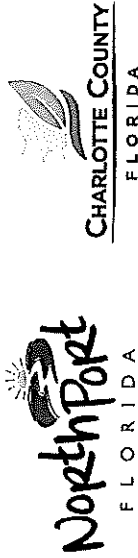
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 51-17.062, F.A.C.



# CITY OF NORTH PORT

## SIGNING AND PAVEMENT MARKING PLANS

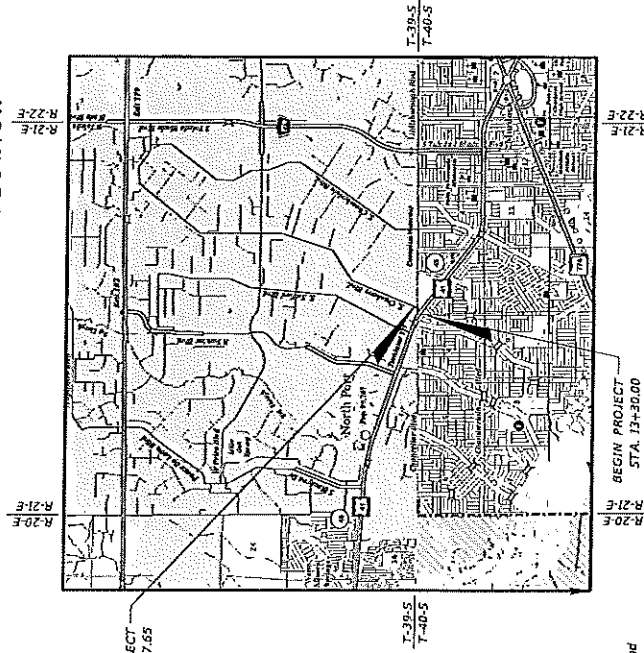
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
ROUNDBOUT



| INDEX OF SIGNING AND PAVEMENT MARKING PLANS |                          |
|---------------------------------------------|--------------------------|
| SHEET NO.                                   | SHEET DESCRIPTION        |
| S-1                                         | KEY SHEET                |
| S-2 - S-3                                   | TABULATION OF QUANTITIES |
| S-4 - S-7                                   | PLAN SHEETS              |
| S-8                                         | GUIDE SIGN WORKSHEET     |

1. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE PERFORMED WITH AN APPROVED METHOD AND SHALL NOT BE VISIBLE AFTER REMOVAL.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED IN THE PLANS.
3. PROPOSED MARKINGS OUTSIDE MILLING/RESURFACING LIMITS ARE TO BE REFURNISHED IN PLACE.
4. ALL PAVEMENT MARKINGS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PER FDOT STANDARDS AT NO ADDITIONAL COST.

END PROJECT  
STA. 26+37.55



REVISIONS:

### GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

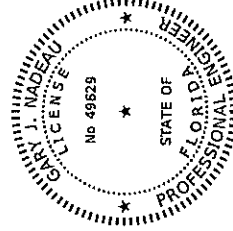
APPLICABLE IRC: None

### GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/implemented/specbooks>

SR 45  
SECTION 0101000  
M.P. 25.337 - 25.946  
PERMIT # 2023-C-192-00003 - CONSTRUCTION AGREEMENT  
PERMIT # 2023-D-192-00014 - DRAINAGE

FDOT PERMIT  
SUBMITTAL  
FEBRUARY 2025



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL  
PRINTED COPIES OF THIS DOCUMENT ARE  
NOT VALID UNLESS THEY ARE SEALED  
AND THE SIGNATURE MAY BE VERIFIED  
ON ANY ELECTRONIC COPIES.

SIGNING AND PAVEMENT  
MARKING PLANS  
ENGINEER OF RECORD:

GARY J. NADEAU, P.E.  
P.E. LICENSE NUMBER 49829  
KIMLEY-HORN AND ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236

CITY OF NORTH PORT  
PROJECT MANAGER:  
ANTHONY FRIEDMAN, P.E.

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 25          | S-1       |

Exhibit A, 69 of 87

TABULATION OF QUANTITIES

| PAY<br>ITEM<br>NO. | DESCRIPTION                                                                                        | UNIT | SHEET NUMBERS |       |       |       |       |       |       |       |      |       | TOTAL<br>THIS<br>SHEET |       | GRAND<br>TOTAL |       |
|--------------------|----------------------------------------------------------------------------------------------------|------|---------------|-------|-------|-------|-------|-------|-------|-------|------|-------|------------------------|-------|----------------|-------|
|                    |                                                                                                    |      | S-4           |       | S-5   |       | S-6   |       | S-7   |       | S-8  |       | PLAN                   | FINAL | PLAN           | FINAL |
|                    |                                                                                                    |      | PLAN          | FINAL | PLAN  | FINAL | PLAN  | FINAL | PLAN  | FINAL | PLAN | FINAL |                        |       |                |       |
| 0700 1 111         | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF                                                    | EA   |               |       | 3     |       | 26    |       | 3     |       |      |       |                        | 34    |                |       |
| 0700 1 112         | SINGLE POST SIGN, F&I GROUND MOUNT, 12.0-20.0 SF                                                   | EA   |               |       |       |       | 1     |       |       |       |      |       |                        | 1     |                |       |
| 0700 1 500         | SINGLE POST SIGN, RELOCATE                                                                         | EA   | 2             |       | 1     |       | 2     |       |       |       |      |       |                        | 5     |                |       |
| 0700 1 600         | SINGLE POST SIGN, REMOVE                                                                           | EA   |               |       | 2     |       | 3     |       |       |       |      |       |                        | 5     |                |       |
| 0705 10 1          | OBJECT MARKER, TYPE 1                                                                              | EA   |               |       | 1     |       | 1     |       |       |       |      |       |                        | 2     |                |       |
| 0705 11 1          | DELINERATOR, FLEXIBLE TUBULAR                                                                      | EA   |               |       | 35    |       |       |       |       |       |      |       |                        | 35    |                |       |
| 0706 1 3           | RAISED PAVEMENT MARKER, TYPE B                                                                     | EA   |               |       | 55    |       | 41    |       | 6     |       |      |       |                        | 102   |                |       |
|                    | WHITE/RED (W/R)                                                                                    | EA   | 65            |       | 42    |       | 46    |       | 36    |       |      |       |                        | 187   |                |       |
|                    | YELLOW/YELLOW (Y/Y)                                                                                | EA   |               |       |       |       | 23    |       |       |       |      |       |                        | 23    |                |       |
| 0710 90            | PAINTED PAVEMENT MARKINGS, FINAL SURFACE                                                           | LS   |               |       | 0.067 |       |       |       |       |       |      |       |                        | 0.073 |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"                                              | GR   |               |       | 0.006 |       | 0.071 |       | 0.156 |       |      |       |                        | 0.173 |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8"                                              | GR   |               |       | 0.006 |       | 0.071 |       | 0.026 |       |      |       |                        | 0.094 |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"                                             | LF   |               |       | 832   |       | 202   |       | 9     |       |      |       |                        | 1054  |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18"                                             | LF   |               |       | 286   |       | 145   |       | 33    |       |      |       |                        | 441   |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"                                             | LF   |               |       | 916   |       | 204   |       |       |       |      |       |                        | 1180  |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, GUIDELINE/EXTENSION/SKIP, 6"                           | GR   |               |       |       |       | 0.05  |       | 0.04  |       |      |       |                        | 0.09  |                |       |
|                    | 6-10 GAP EXTENSION                                                                                 |      |               |       | 0.01  |       |       |       |       |       |      |       |                        | 0.012 |                |       |
|                    | 10-30 SKIP                                                                                         |      |               |       |       |       |       |       |       |       |      |       |                        | 0.023 |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, EXTENSION/LANE DROP, 12"                               | GR   |               |       |       |       |       |       |       |       |      |       |                        | 4     |                |       |
|                    | 2-2 DOTTED EXTENSION                                                                               | EA   |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL                                      | EA   |               |       |       |       |       |       |       |       |      |       |                        | 6     |                |       |
|                    | YIELD                                                                                              |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | MERGE                                                                                              |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | ONLY                                                                                               |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | PAINTED, STANDARD, WHITE, ARROW                                                                    | EA   |               |       | 3     |       | 3     |       |       |       |      |       |                        | 6     |                |       |
|                    | THRU-LEFT-CIRCLE                                                                                   |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | LEFT                                                                                               |      |               |       | 5     |       | 1     |       |       |       |      |       |                        | 6     |                |       |
|                    | RIGHT                                                                                              |      |               |       | 5     |       | 4     |       |       |       |      |       |                        | 9     |                |       |
|                    | MERGE                                                                                              |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"                                             | GR   | 0.102         |       | 0.179 |       | 0.227 |       | 0.185 |       |      |       |                        | 0.693 |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 8"                                             | GR   |               |       |       |       | 0.049 |       |       |       |      |       |                        | 0.049 |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 12"                                            | LF   | 90            |       | 45    |       | 177   |       | 33    |       |      |       |                        | 344   |                |       |
|                    | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" | GR   | 0.037         |       |       |       |       |       |       |       |      |       |                        | 0.037 |                |       |
| 0711 1123          | THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT                            | LF   |               |       | 832   |       | 202   |       |       |       |      |       |                        | 1054  |                |       |
| 0711 1124          | THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS                              | LF   |               |       | 286   |       | 145   |       | 9     |       |      |       |                        | 441   |                |       |
| 0711 1125          | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK                             | LF   |               |       | 220   |       |       |       |       |       |      |       |                        | 220   |                |       |
| 0711 1144          | THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT                      | GR   |               |       |       |       | 0.023 |       |       |       |      |       |                        | 0.023 |                |       |
| 0711 1160          | THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL                                                  | EA   |               |       |       |       |       |       |       |       |      |       |                        | 4     |                |       |
|                    | YIELD                                                                                              |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | MERGE                                                                                              |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | ONLY                                                                                               |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
| 0711 1170          | THERMOPLASTIC, STANDARD, WHITE, ARROW                                                              | EA   |               |       | 3     |       | 3     |       |       |       |      |       |                        | 6     |                |       |
|                    | THRU-LEFT-CIRCLE                                                                                   |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
|                    | LEFT                                                                                               |      |               |       | 5     |       | 1     |       |       |       |      |       |                        | 6     |                |       |
|                    | RIGHT                                                                                              |      |               |       | 5     |       | 4     |       |       |       |      |       |                        | 9     |                |       |
|                    | MERGE                                                                                              |      |               |       |       |       |       |       |       |       |      |       |                        | 1     |                |       |
| 0711 1124          | THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON                                | LF   |               |       | 45    |       | 176   |       | 33    |       |      |       |                        | 344   |                |       |
| 0711 1124          | THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"             | GR   | 0.04          |       |       |       |       |       |       |       |      |       |                        | 0.038 |                |       |
| 0711 14125         | THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK                                          | LF   |               |       | 746   |       | 204   |       |       |       |      |       |                        | 950   |                |       |

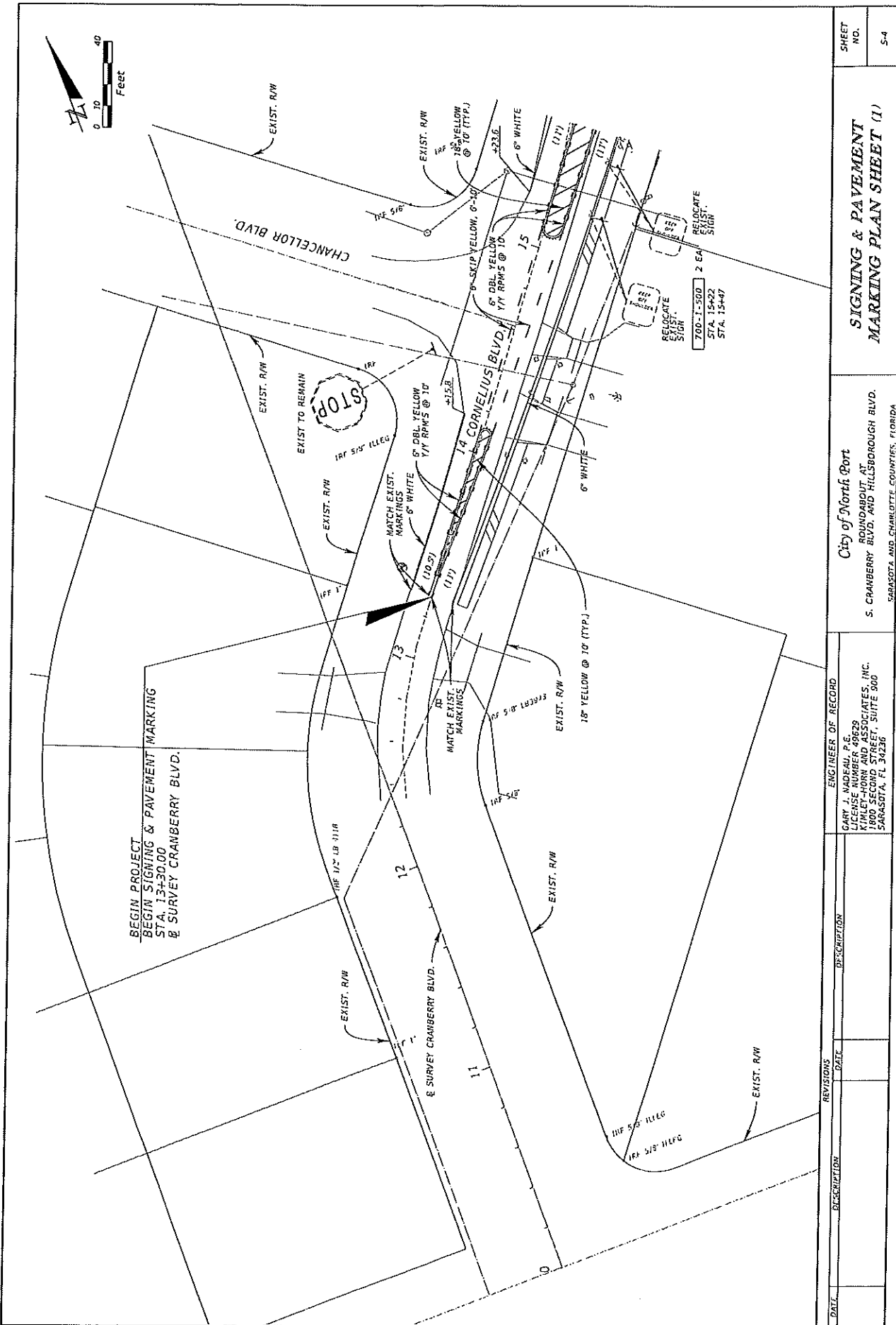
|      |  |             |  |                                                                                                                                           |  |                                                                                                        |  |           |  |
|------|--|-------------|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------|--|-----------|--|
| DATE |  | DESCRIPTION |  | ENGINEER OF RECORD                                                                                                                        |  | City of North Port                                                                                     |  | SHEET NO. |  |
|      |  |             |  | GARY L. MUELLER, P.E.<br>LICENSE NUMBER 000029<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |  | 5-2       |  |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TABULATION OF QUANTITIES

| PAY<br>ITEM<br>NO. | DESCRIPTION                                                                         | UNIT | SHEET NUMBERS |       |      |       |      |       |      |       |      |       |       |       | TOTAL<br>THIS<br>SHEET |       | GRAND<br>TOTAL |  |
|--------------------|-------------------------------------------------------------------------------------|------|---------------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|------------------------|-------|----------------|--|
|                    |                                                                                     |      | S-4           |       | S-5  |       | S-6  |       | S-7  |       |      |       |       |       |                        |       |                |  |
|                    |                                                                                     |      | PLAN          | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN  | FINAL | PLAN                   | FINAL |                |  |
| 0711 16101         | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"                            | GM   | 0.07          | 0.28  |      |       | 0.37 |       |      | 0.16  |      |       | 0.873 |       |                        |       |                |  |
| 0711 16102         | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"                            | GM   |               | 0.04  |      |       | 0.07 |       |      | 0.03  |      |       | 0.133 |       |                        |       |                |  |
| 0711 16131         | THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-10 SKIP OR 3-9 LANE DROP         | GM   |               |       | 0.01 |       |      |       |      |       |      |       | 0.012 |       |                        |       |                |  |
| 0711 16171         | THERMOPLASTIC, STANDARD OTHER SURFACES, WHITE, 6", 6-10 DOTTED MANAGED LANE MARKING | GM   |               |       |      |       | 0.05 |       |      | 0.04  |      |       | 0.091 |       |                        |       |                |  |
| 0711 16201         | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"                           | GM   | 0.10          | 0.18  |      |       | 0.23 |       |      | 0.19  |      |       | 0.693 |       |                        |       |                |  |
| 0711 16202         | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"                           | GM   |               |       |      |       | 0.05 |       |      |       |      |       | 0.049 |       |                        |       |                |  |

|             |  |           |  |                                                                                                                                         |  |                                                                                                                              |  |                          |
|-------------|--|-----------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|
| DATE        |  | REVISIONS |  | ENGINEER OF RECORD                                                                                                                      |  | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |  | SHEET<br>NO.<br><br>5-3  |
| DESCRIPTION |  | DATE      |  | DESCRIPTION                                                                                                                             |  |                                                                                                                              |  |                          |
|             |  |           |  | GARY J. MADEAU, P.E.<br>LICENSE NUMBER 45629<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |  |                                                                                                                              |  | TABULATION OF QUANTITIES |
|             |  |           |  |                                                                                                                                         |  |                                                                                                                              |  |                          |



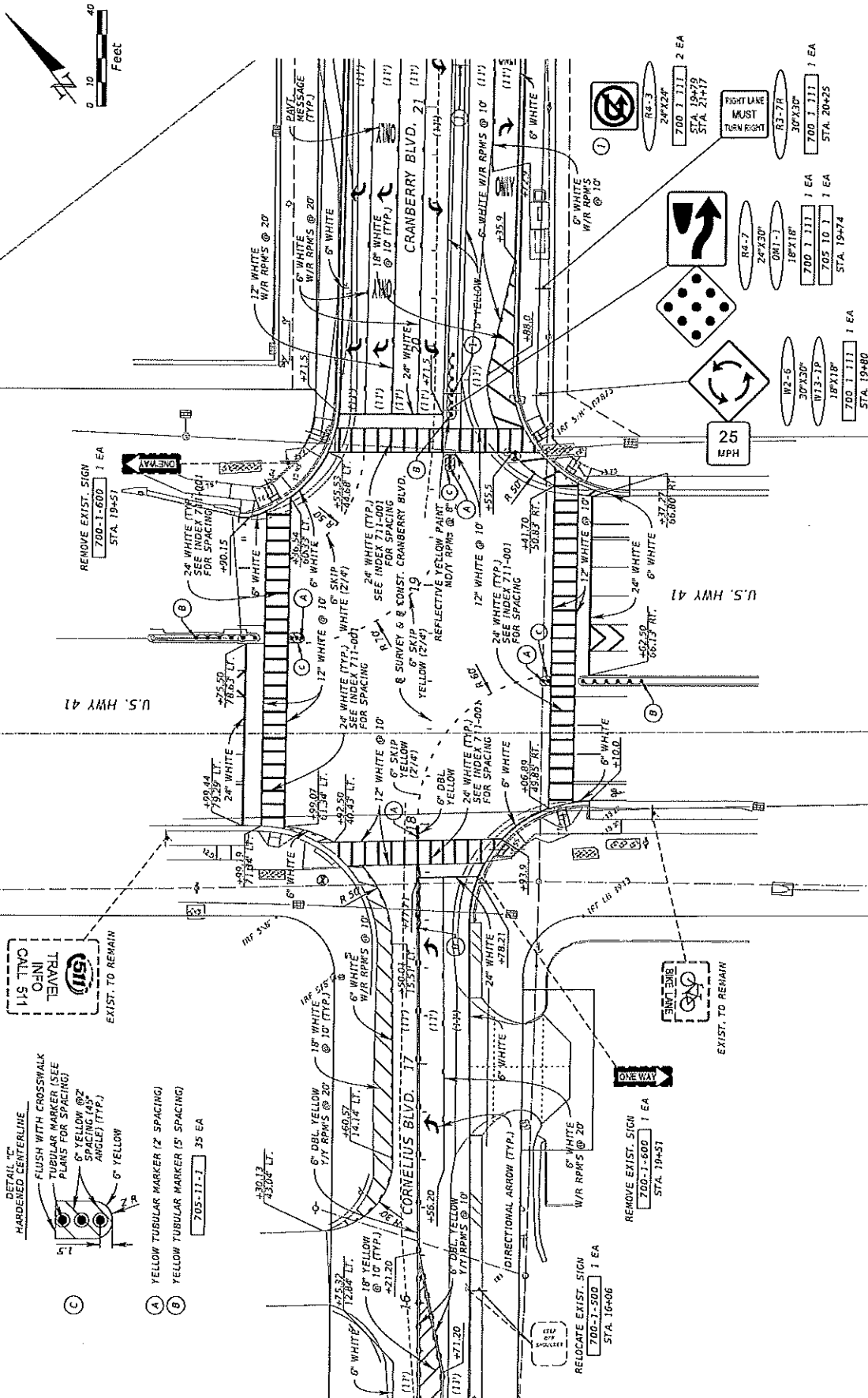
BEGIN SIGNING & PAVEMENT MARKING  
STA. 13+30.00  
@ SURVEY CRANBERRY BLVD.

**ENGINEER OF RECORD**  
GARY J. NADEAU, P.E.  
LICENSE NUMBER 49629  
KIMLEY-HORN AND ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236

*City of North Port*  
 ROUNDABOUT AT  
 S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
 SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

SHEET NO. 5-4

Exhibit A, 72 of 87



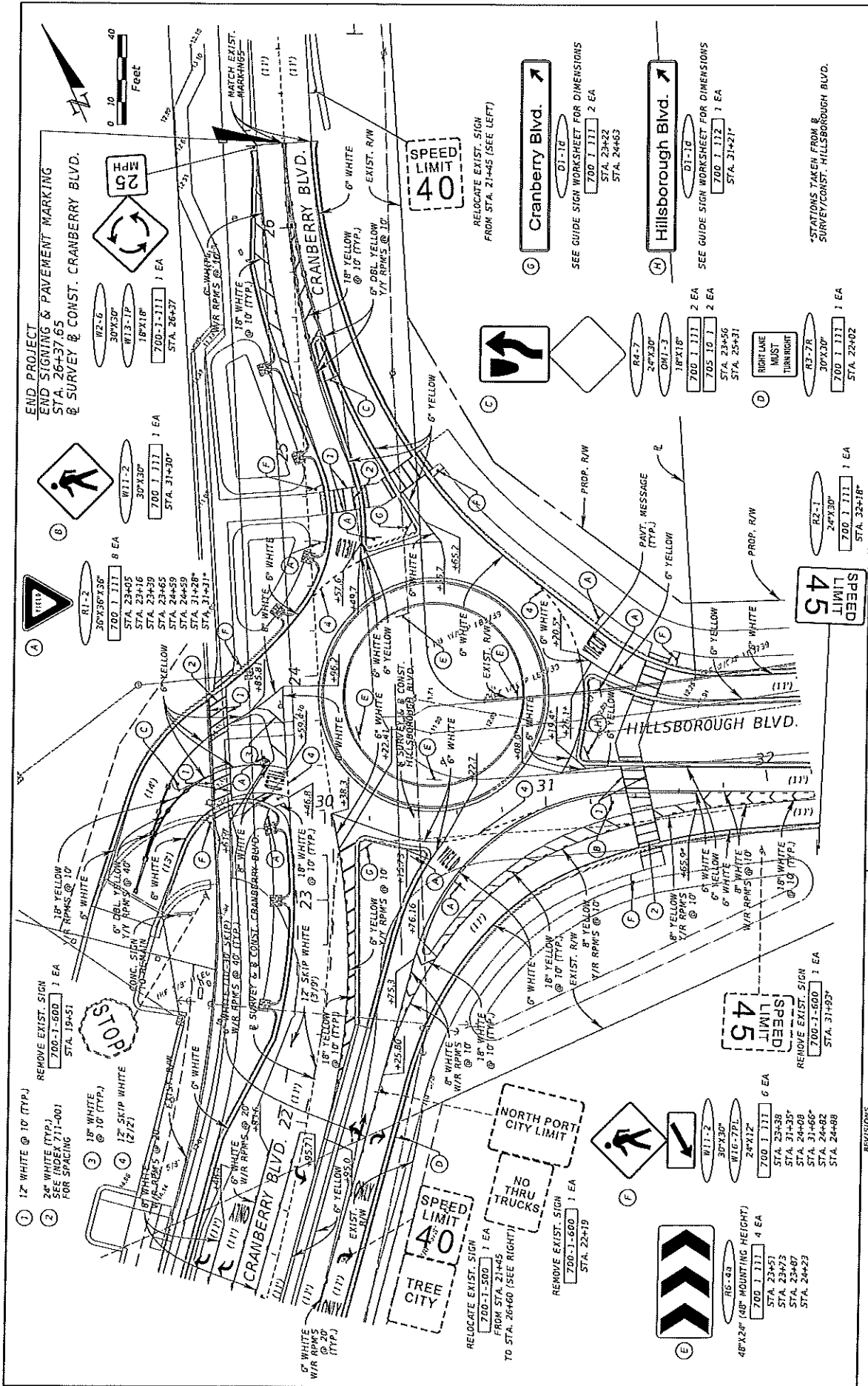
| DATE | REVISIONS |      | DESCRIPTION | ENGINEER OF RECORD                                                                                                                |
|------|-----------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
|      |           | DATE |             |                                                                                                                                   |
|      |           |      |             | GARY J. NADEAU, P.E.<br>LICENSE NUMBER 49029<br>INDEPENDENT ASSOCIATES, I.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |

SIGNING & PAVEMENT  
MARKING PLAN SHEET (2)

*City of North Port*  
ROUNDABOUT AT  
S.S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

4554

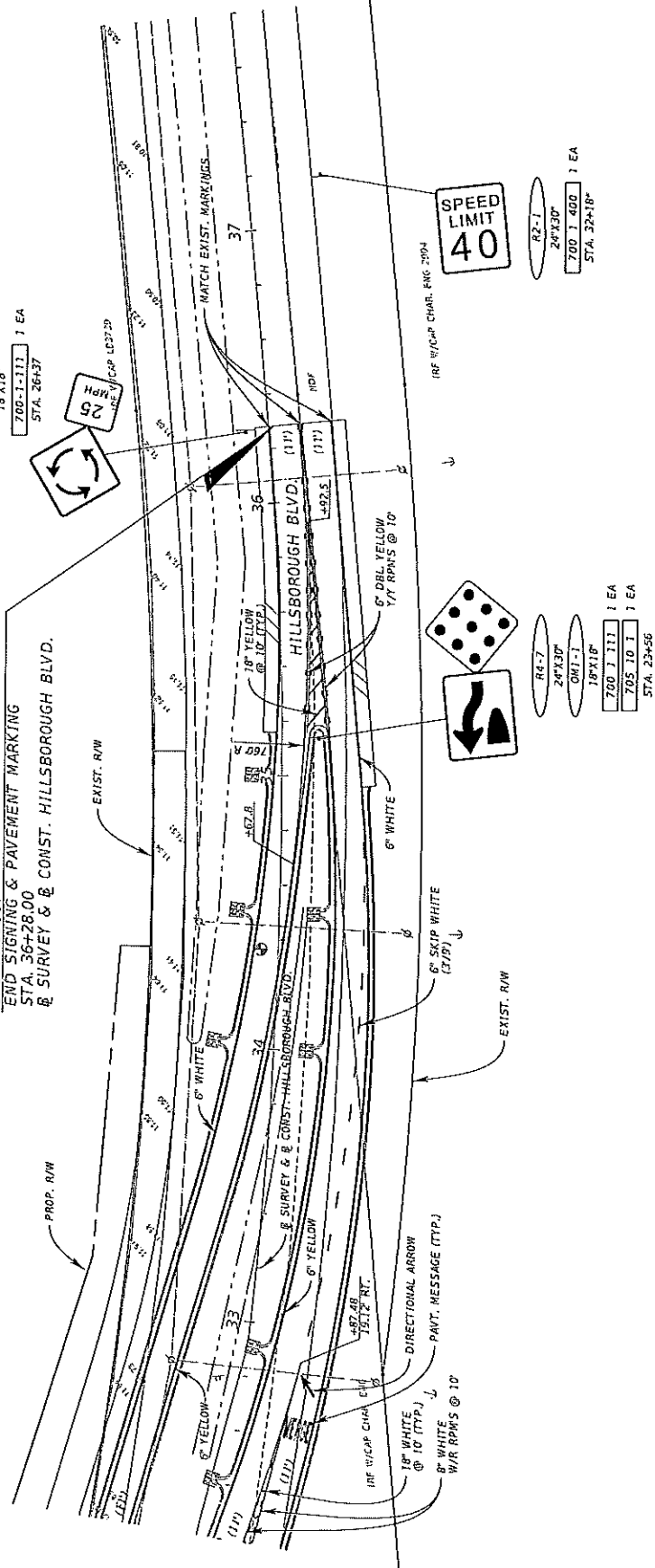
5-5



| REVISIONS |  | DESCRIPTION |  | DATE |  |
|-----------|--|-------------|--|------|--|
|           |  |             |  |      |  |
|           |  |             |  |      |  |
|           |  |             |  |      |  |

|                                  |  |                                           |  |
|----------------------------------|--|-------------------------------------------|--|
| ENGINEER OF RECORD               |  | City of North Port                        |  |
| GARY J. MADRARI, P.E.            |  | ROUNDABOUT AT                             |  |
| LICENSE NUMBER 46629             |  | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |  |
| KIMLEY-HORN AND ASSOCIATES, INC. |  | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |  |
| 1800 SECOND STREET, SUITE 900    |  | SIGNING & PAVEMENT MARKING PLAN SHEET (3) |  |
| SARASOTA, FL 34236               |  | SHEET NO. 5-5                             |  |

END PROJECT  
END SIGNING & PAVEMENT MARKING  
STA. 36+28.00  
S. CRAMBERY BLVD. & CONST. HILLSBOROUGH BLVD.



| DATE       | DESCRIPTION | REVISIONS | ENGINEER OF RECORD                                                                                                              | City of North Port<br>ROUNDABOUT AT<br>S. CRAMBERY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | SIGNING & PAVEMENT<br>MARKING PLAN SHEET (4) |  | SHEET<br>NO. |
|------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--|--------------|
|            |             |           |                                                                                                                                 |                                                                                                                             |                                              |  |              |
| 11/20/2024 |             |           | GARY J. HORN<br>LICENSE NUMBER 46679<br>KINLEY-HORN AND ASSOCIATES, INC.<br>1800 SECOND STREET, SUITE 900<br>SARASOTA, FL 34236 |                                                                                                                             |                                              |  | 5-7          |

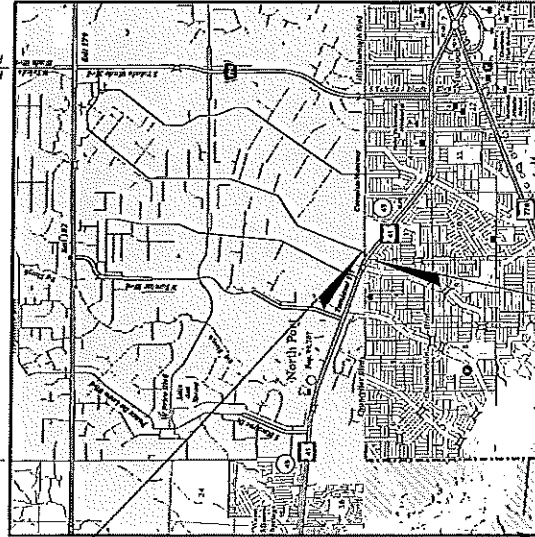
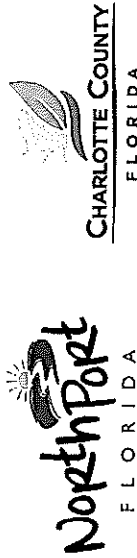
CONTRACT PLANS COMPONENTS

ROADWAY  
SIGNING AND PAVEMENT MARKING  
SIGNALIZATION  
LIGHTING  
LANDSCAPE

INDEX OF SIGNALIZATION PLANS

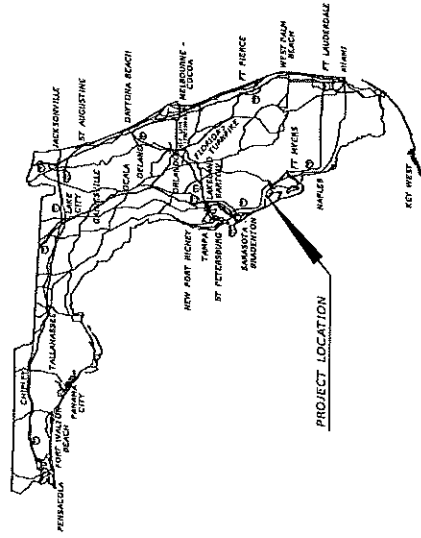
| SHEET NO. | SHEET DESCRIPTION                      |
|-----------|----------------------------------------|
| T-1       | KEY SHEET                              |
| T-2       | SIGNATURE SHEET                        |
| T-3       | TABULATION OF QUANTITIES               |
| T-4       | GENERAL NOTES                          |
| T-5       | SIGNALIZATION PLAN                     |
| T-6       | SIGNALIZATION MISCELLANEOUS DETAILS    |
| T-7       | STANDARD MAST ARM TABULATION           |
| T-8       | SPECIAL MAST ARM ASSEMBLIES DATA TABLE |

CITY OF NORTH PORT  
**SIGNALIZATION PLANS**  
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
ROUNDBOUT



GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY 2024-25 Standard Plans for Road and  
Bridge Construction and applicable Interim Revisions (IRs).  
Standard Plans for Road Construction and associated IRs are available at the  
following website: <http://www.dot.gov/design/standardplans>  
APPLICABLE IRs: None

GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, FY 2024-25 Standard Specifications  
for Road and Bridge Construction at the following website:  
<http://www.dot.gov/programmanagement/implemented/specbooks>



SIGNALIZATION PLANS  
ENGINEER OF RECORD:

NICOLE R. HECK, P.E.  
P.E. LICENSE NUMBER 84308  
KIMLEY-HORN AND ASSOCIATES, INC.  
200 SOUTH ORANGE AVENUE, SUITE 600  
ORLANDO, FL 32801

CITY OF NORTH PORT  
PROJECT MANAGER:  
ANTHONY FRIEDMAN, P.E.

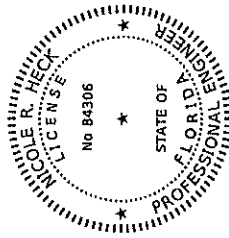
FDOT PERMIT  
SUBMITTAL  
FEBRUARY 2025

SR 45  
SECTION: 01010000  
M.P. 25.337 - 25.946  
PERMIT # 2023-C-192-00003 - CONSTRUCTION AGREEMENT  
PERMIT # 2023-D-192-00014 - DRAINAGE

| FISCAL<br>YEAR | SHEET<br>NO. |
|----------------|--------------|
| 25             | T-1          |



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY:



ON THE DATE ADJACENT TO THE SEAL  
PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED.  
THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.

KIMLEY HORN AND ASSOCIATES, INC.  
200 SOUTH ORANGE AVENUE, SUITE 600  
ORLANDO, FL 32801  
NICOLE R. HECK, P.E. NO. 84306

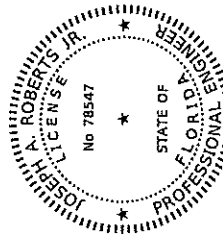
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004 F.A.C.

## SIGNALIZATION PLANS

SHEET NO SHEET DESCRIPTION

- |     |                                     |
|-----|-------------------------------------|
| T-1 | KEY SHEET                           |
| T-2 | SIGNATURE SHEET                     |
| T-3 | TABULATION OF QUANTITIES            |
| T-4 | GENERAL NOTES                       |
| T-5 | SIGNALIZATION PLAN                  |
| T-6 | SIGNALIZATION MISCELLANEOUS DETAILS |
| T-7 | STANDARD MAST ARM TABULATION        |

THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY:



ON THE DATE ADJACENT TO THE SEAL  
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KIMLEY HORN AND ASSOCIATES, INC.  
200 SOUTH ORANGE AVENUE, SUITE 600  
ORLANDO, FL 32801  
JOSEPH A. ROBERTS JR., P.E. NO. 78547

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

## SIGNALIZATION PLANS

SHEET NO SHEET DESCRIPTION

- T-8
- 
- SPECIAL MAST ARM ASSEMBLIES DATA TABLE

| REVISIONS   |  | DATE | DESCRIPTION | DESCRIPTION |
|-------------|--|------|-------------|-------------|
| DATE        |  |      |             |             |
| DESCRIPTION |  |      |             |             |

**ENGINEER OF RECORD**

NICOLE R. HECK, P.E.  
LICENSE NUMBER: 84306  
KIMLEY-HORN AND ASSOCIATES, INC.  
200 SOUTH ORANGE AVENUE, SUITE 600  
ORLANDO, FL 32801

City of North Port

ROUNDABOUT AT  
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

**SIGNATURE SHEET**

NO.  
SHEET

T-2

# TABULATION OF QUANTITIES

| PAY<br>ITEM<br>NO. | DESCRIPTION                                                            | UNIT | SHEET NUMBERS |       |      |       |      |       |       |       |      |       | TOTAL<br>THIS<br>SHEET |       | GRAND<br>TOTAL |       |
|--------------------|------------------------------------------------------------------------|------|---------------|-------|------|-------|------|-------|-------|-------|------|-------|------------------------|-------|----------------|-------|
|                    |                                                                        |      | T-5           |       | T-6  |       | PLAN |       | FINAL |       | PLAN |       | FINAL                  |       | PLAN           |       |
|                    |                                                                        |      | PLAN          | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN  | FINAL | PLAN | FINAL | PLAN                   | FINAL | PLAN           | FINAL |
| 630-2-11           | CONDUIT, FURNISH & INSTALL, OPEN TRENCH                                | LF   | 300           |       |      |       |      |       |       |       |      |       | 200                    |       | 200            |       |
| 630-2-12           | SIGNAL CABLE, MIN OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL     | LF   | 440           |       |      |       |      |       |       |       |      |       | 440                    |       | 440            |       |
| 632-2-6            | SIGNAL CABLE, REMOVE, INTERSECTION                                     | PI   | 1             |       |      |       |      |       |       |       |      |       | 1                      |       | 1              |       |
| 633-2-11           | PULL & SPLICING BOX, 12" x 24" COVER SIZE                              | PI   | 1             |       |      |       |      |       |       |       |      |       | 1                      |       | 1              |       |
| 646-1-11           | ALUMINUM SIGNAL POLE, POSTAL                                           | EA   | 7             |       |      |       |      |       |       |       |      |       | 7                      |       | 7              |       |
| 646-1-60           | ALUMINUM SIGNAL POLE, REMOVE                                           | EA   | 6             |       |      |       |      |       |       |       |      |       | 6                      |       | 6              |       |
| 649-21-10          | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60"           | EA   | 1             |       |      |       |      |       |       |       |      |       | 1                      |       | 1              |       |
| 649-21-21          | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78"           | EA   | 1             |       |      |       |      |       |       |       |      |       | 1                      |       | 1              |       |
| 649-26-5           | STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION, BOLT ON ATTACHMENT   | EA   | 2             |       |      |       |      |       |       |       |      |       | 2                      |       | 2              |       |
| 650-1-14           | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY | EA   | 8             |       |      |       |      |       |       |       |      |       | 8                      |       | 8              |       |
| 650-2-109          | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY | EA   | 4             |       |      |       |      |       |       |       |      |       | 4                      |       | 4              |       |
| 653-1-11           | PEDESTRIAN SIGNAL, FURNISH & INSTALL, BACK-PLATE, FLEXIBLE REQUIRED    | EA   | 3             |       |      |       |      |       |       |       |      |       | 3                      |       | 3              |       |
| 660-4-42           | VEHICLE DETECTION SYSTEM, VIDEO, RELOCATE AUDIO EQUIPMENT              | EA   | 6             |       |      |       |      |       |       |       |      |       | 6                      |       | 6              |       |
| 660-4-51           | VEHICLE DETECTION SYSTEM, VIDEO, ADJUST/MODIFY CABINET EQUIPMENT       | EA   | 3             |       |      |       |      |       |       |       |      |       | 3                      |       | 3              |       |
| 665-1-17           | PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD                       | EA   | 1             |       |      |       |      |       |       |       |      |       | 1                      |       | 1              |       |
| 671-2-40           | TRAFFIC CONTROLLER, MODIFY                                             | EA   | 1             |       |      |       |      |       |       |       |      |       | 1                      |       | 1              |       |
| 700-3-201          | SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF              | EA   | 2             |       |      |       |      |       |       |       |      |       | 2                      |       | 2              |       |
| 700-3-50           | INTERNALLY ILLUMINATED SIGN, RELOCATE                                  | EA   | 2             |       |      |       |      |       |       |       |      |       | 2                      |       | 2              |       |

| REVISIONS |             |      |             |                                                                                                                                              | ENGINEER OF RECORD | City of North Port<br>ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br><br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA | TABULATION OF QUANTITIES | SHEET NO.<br><br>T-3 |
|-----------|-------------|------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------|
| DATE      | DESCRIPTION | DATE | DESCRIPTION |                                                                                                                                              |                    |                                                                                                                                  |                          |                      |
|           |             |      |             | NICOLE R. HECK, P.E.<br>LICENSE NUMBER: 84306<br>KIMLEY-HORN AND ASSOCIATES, INC.<br>200 SOUTH ORANGE AVENUE, SUITE 600<br>ORLANDO, FL 32801 |                    |                                                                                                                                  |                          |                      |

SIGNALIZATION PAY ITEM NOTES

- FOUNDATION, PEDESTRIAN PUSH BUTTONS, AND ANY OTHER AREAS INCLUDING SEPARATED SIGNAL COUPLINGS, CONTROLLER CABINET OF SILICONE CAULK. SUCH AREAS TYPICALLY PRONE TO MOISTURE INFILTRATION BY APPLYING A BEAD OF SILICONE CAULK.
- WHEREVER A CABLE ENTERS OR EXITS A FIELD-DRILLED HOLE, THE HOLE SHALL BE PROTECTED BY A PERMANENTLY INSTALLED RUBBER GROMMET.

**Figure 1**

- UTILITY CONTACT INFORMATION

TENT-JURYLINK  
MC CLOUD  
3735 BLAISE RD, RM 113  
TALLAHASSEE, FL 32301  
PHONE: (850)599-1444

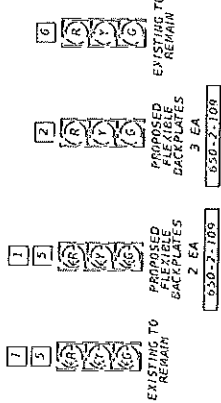
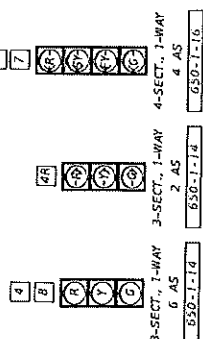
## City of North Port

S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD  
 ROUNDABOUT AT

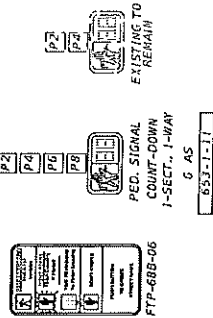
FLORIDA AND CHARLOTTE COUNTIES, FLORIDA

Exhibit A, 79 of 87

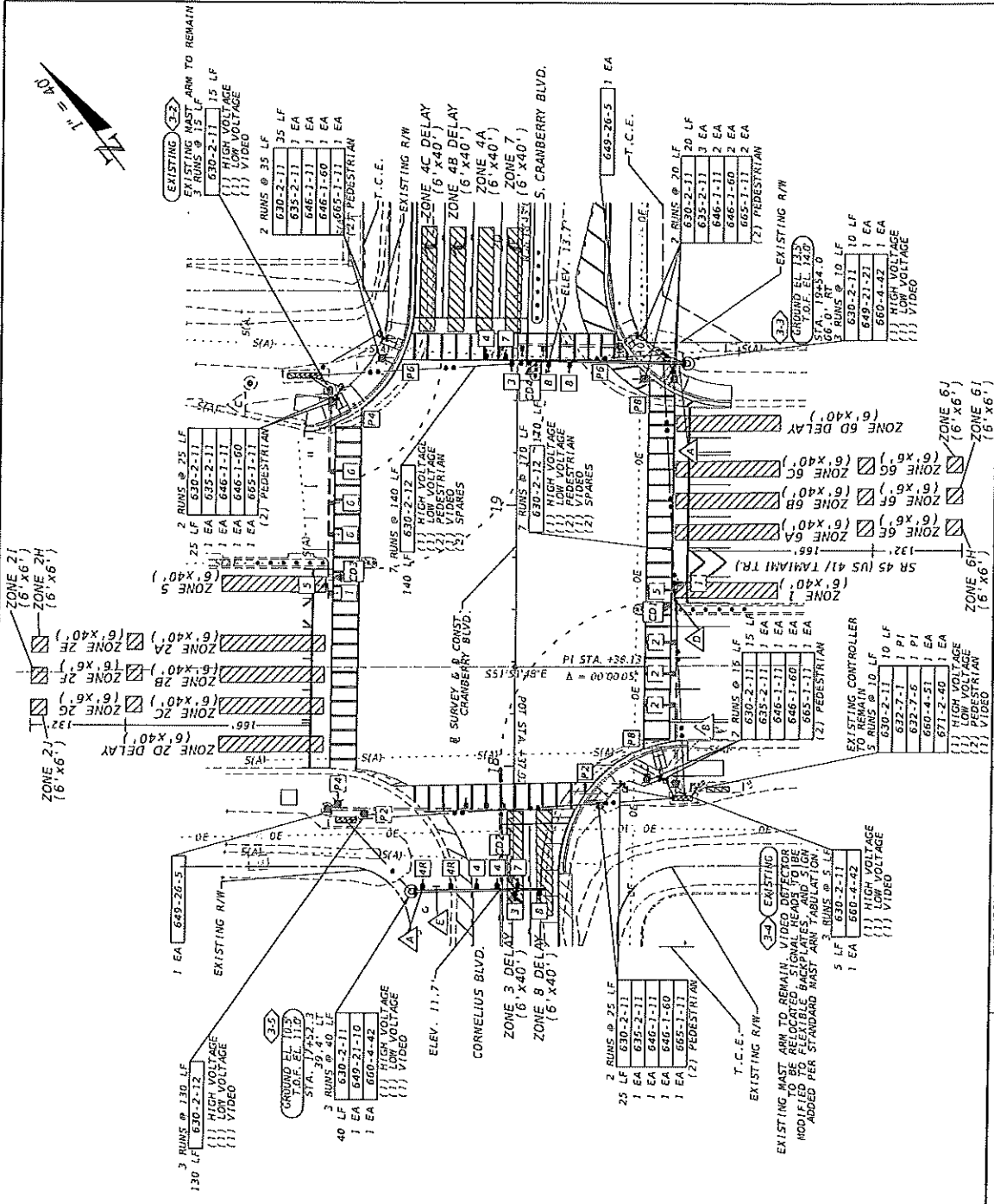
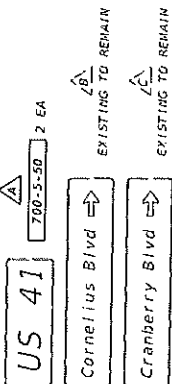
# SIGNAL DISPLAY DETAILS



# PEDESTRIAN DISPLAY DETAILS



# INTERMALL ILLUMINATED OVERHEAD STREET NAME SIGN DETAILS



| DATE | DESCRIPTION | REVISIONS | DATE | DESCRIPTION |
|------|-------------|-----------|------|-------------|
|      |             |           |      |             |
|      |             |           |      |             |
|      |             |           |      |             |
|      |             |           |      |             |

|                                    |                                           |           |     |
|------------------------------------|-------------------------------------------|-----------|-----|
| ENGINEER OF RECORD                 | CITY OF NORFOLK                           | SHEET NO. | T-5 |
| WILLIAM B. HECK, P.E.              | ROUNDABOUT AT                             |           |     |
| LICENSURE NO. 10000                | S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. |           |     |
| KINLEY-HORN AND ASSOCIATES, INC.   | SARASOTA AND CHARLOTTE COUNTIES, FLORIDA  |           |     |
| 200 SOUTH ORANGE AVENUE, SUITE 600 |                                           |           |     |
| ORLANDO, FL 32801                  |                                           |           |     |

EXHIBIT A, 80 OF 87

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

STATIC SIGN DETAILS



NO  
TURN  
ON RED

700-3-201  
1 EA  
R10-118  
24" X 24"

700-3-201  
1 EA  
R03-04  
36" X 36"

| VIDEO VEHICLE DETECTION |                |         |               |
|-------------------------|----------------|---------|---------------|
| CAMERA DETECTOR         | ASSIGNMENT     | CONDUCT | DELAY (SECS.) |
| CD1                     | 2A, 2B, 2C     | 2       | 8             |
|                         | 2D             | 2       | 8             |
|                         | 2E, 2F, 2G     | 2       | -             |
|                         | 2H, 2I, 2J     | 2       | -             |
| CD2                     | 7              | 7       | -             |
|                         | 4A             | 4       | -             |
|                         | 4B, 4C         | 4       | -             |
|                         | 6A, 6B, 6C, 6D | 6       | -             |
| CD3                     | 3              | 3       | 8             |
|                         | 8              | 8       | 8             |
|                         | 5              | 5       | 8             |
|                         | 6              | 6       | 8             |
| CD4                     | 1              | 1       | 8             |
|                         | 2              | 2       | 8             |
|                         | 3              | 3       | 8             |
|                         | 4              | 4       | 8             |

CONTROLLER TIMINGS

| MOVEMENT NUMBER     | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
|---------------------|------|------|------|------|------|------|------|------|
| DIRECTION           | NEL  | SB   | EBL  | WB   | NB   | NB   | EB   | EB   |
| TURN TYPE           | PROT | PROT | PROT | PROT | PROT | PROT | PROT | PROT |
| MINIMUM GREEN       | 5    | 15   | 5    | 7    | 5    | 15   | 5    | 7    |
| EXTENSION           | 3.0  | 2.0  | 3.0  | 3.0  | 3.0  | 2.0  | 3.0  | 3.0  |
| YELLOW CLEARANCE    | 4.8  | 4.8  | 4.4  | 4.4  | 4.8  | 4.8  | 4.4  | 4.4  |
| ALL RED             | 2.3  | 2.0  | 4.3  | 4.3  | 2.1  | 2.0  | 4.3  | 4.3  |
| MAXIMUM GREEN 1     | 15   | 85   | 10   | 15   | 45   | 55   | 10   | 20   |
| MAXIMUM GREEN 2     | 15   | 100  | 15   | 25   | 45   | 75   | 10   | 25   |
| MAX LIMIT           | -    | -    | -    | -    | -    | -    | -    | -    |
| ADJUST BY           | -    | -    | -    | -    | -    | -    | -    | -    |
| PEDESTRIAN WALK     | -    | -    | -    | -    | -    | -    | -    | -    |
| FLASHING DON'T WALK | -    | 21   | -    | 39   | -    | 23   | -    | 40   |
| DETECTOR MEMORY     | -    | -    | -    | -    | -    | -    | -    | -    |
| DET. CROSS SWITCH   | YES  | -    | -    | -    | -    | YES  | -    | -    |
| DUAL ENTRY          | -    | ON   | -    | ON   | -    | ON   | -    | ON   |
| RECALL              | -    | MIN  | -    | -    | -    | MIN  | -    | -    |

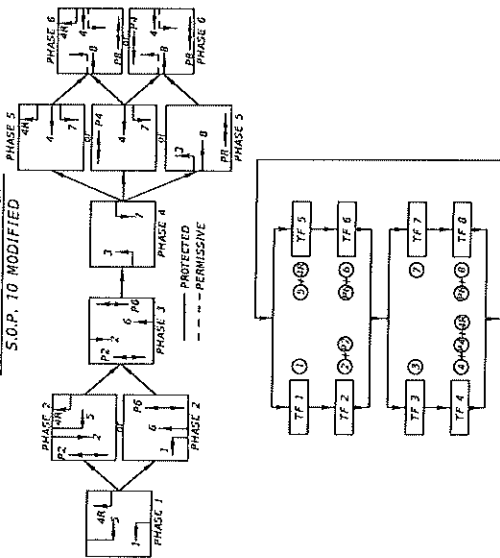
CONTROLLER NOTES:

- MOVEMENT 4R TO BE PROGRAMMED AS OVERLAP TO COME UP WITH MOVEMENT 4 WITH 7 SECONDS OF MINIMUM GREEN. 4.4 SECONDS OF YELLOW CLEARANCE, AND 4.3 SECONDS OF ALL RED. MOVEMENT 4R GREEN, 4.8 SECONDS OF YELLOW CLEARANCE, AND 4.3 SECONDS OF ALL RED.
- OVERLAP 4R SHALL BE OMITTED WHEN RA IS ACTIVE.

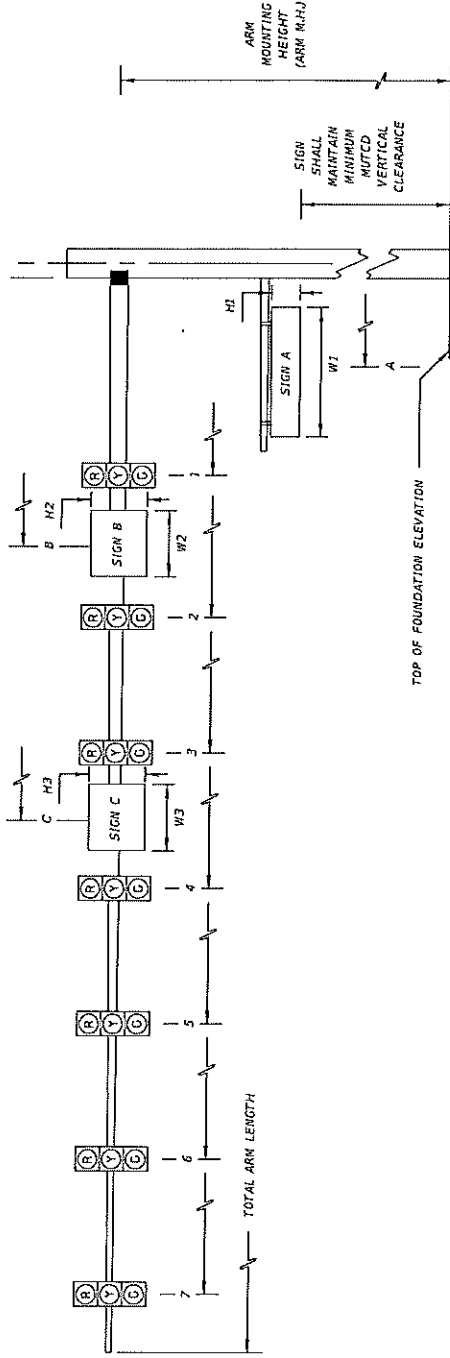
NOTES:

- MAJOR STREET IS SR 45 (45 MPH). THE MINOR STREET IS S. CRANBERRY BLVD./CORNELIUS BLVD. (EB-40 MPH AND WB-25 MPH).
- CASHING OPERATION, MOVEMENTS 2 AND 6 FLASH YELLOW, ALL OTHER MOVEMENTS FLASH RED.
- CONTRACTOR SHALL COORDINATE AND CONDUCT ALL CONSTRUCTION AND INSTALLATION OF SIGNAL FEATURES NEAR OVERHEAD REQUIREMENTS DURING CONSTRUCTION AND INSTALLATION OF SIGNAL FEATURES NEAR OVERHEAD REQUIREMENTS.
- REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TSMO ENGINEER - AUSTIN (863-519-2216) WHEN ALL LANES, STRIPING, SIGNALS, AND PEDESTRIAN FACILITIES ARE INSTALLED.
- CONTRACTOR SHALL PROVIDE THE SIGNAL AS OPERATING AS DESIGNED. PROVIDE FOOT WITH ALL "AS-BUILTS" INFORMATION. THE SIGNAL IS TO BE PROGRAMMED TO DEVELOP UPDATED TIMINGS. PROGRAM THE CONTROLLER PER THE TIMINGS PROVIDED BY FDOT.
- FIELD VERIFY ALL MAST ARM FOUNDATION ELEVATIONS PRIOR TO ORDERING ANY POLES.

SIGNAL OPERATING PLAN  
S.O.P. TO MODIFIED



|                    |  |                           |  |                         |  |                                  |  |                                                                                                                                        |  |                                                |  |                          |
|--------------------|--|---------------------------|--|-------------------------|--|----------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|--|--------------------------|
| <p>DATE: _____</p> |  | <p>DESCRIPTION: _____</p> |  | <p>REVISIONS: _____</p> |  | <p>ENGINEER OF RECORD: _____</p> |  | <p>CITY OF NORTH PORT<br/>ROUNDABOUT AT<br/>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br/>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA</p> |  | <p>SIGNALIZATION<br/>MISCELLANEOUS DETAILS</p> |  | <p>SHEET NO.<br/>T-6</p> |
|--------------------|--|---------------------------|--|-------------------------|--|----------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|--|--------------------------|



\* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

| ID SHEET NO.     | LOCATION BY STA.   | TOP OF FOUNDATION ELEVATION | HORN NO. | CROWN ELEV. | LUMIN. TYPE | TERM. TYPE | SIGNAL TYPE | BACK SIGNAL TYPE | SIGNAL DATA        |   |      |   |      |   |      | SIGN DATA        |          |                                               |      |     |       |     |      |    |    | PAINT COLOR |    |              |     |            |            |        |
|------------------|--------------------|-----------------------------|----------|-------------|-------------|------------|-------------|------------------|--------------------|---|------|---|------|---|------|------------------|----------|-----------------------------------------------|------|-----|-------|-----|------|----|----|-------------|----|--------------|-----|------------|------------|--------|
|                  |                    |                             |          |             |             |            |             |                  | DISTANCE FROM POLE |   |      |   |      |   |      | TOTAL ARM LENGTH | ARM H.H. | DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN |      |     |       |     |      |    |    |             |    |              |     |            |            |        |
|                  |                    |                             |          |             |             |            |             |                  | 1                  | 2 | 3    | 4 | 5    | 6 | 7    |                  |          | A                                             | H1   | W1  | B     | H2  | W2   | C  | H3 |             | W3 | VIDED DEFECT | ON  |            |            |        |
| 3-4 T-5          | EXIST.             | EXIST.                      | 1        | EXIST.      | N           | Y          | Y           | N                | 29.5               | 3 | 41.5 | 3 | 53.5 | 3 | 73.0 | 3                | 76.0     | 3                                             | -    | EX. | EX.   | 2'  | 9"   | -  | -  | -           | -  | -            | -   | -          | 70.5'      | EXIST. |
| PROPOSED LOADING |                    |                             |          |             |             |            |             |                  |                    |   |      |   |      |   |      |                  |          |                                               |      |     |       |     |      |    |    |             |    |              |     |            |            |        |
| 3-3 T-5          | 19+54.0 : 66.0' RT | 14.0'                       | 1        | 13.7'       | N           | Y          | Y           | N                | 45.0               | 3 | 53.0 | 3 | 67.0 | 4 | 69.0 | 4                | 77.0     | 3                                             | -    | -   | 78'   | 22' | 3.5' | 2' | 5' | -           | -  | -            | -   | 60         | GALVANIZED |        |
| 3-4 T-5          | EXIST.             | EXIST.                      | 2        | EXIST.      | N           | Y          | Y           | N                | 29.5               | 3 | 41.5 | 3 | 53.5 | 3 | 73.0 | 3                | 76.0     | 3                                             | -    | -   | EX.   | EX. | 2'   | 9" | -  | -           | -  | -            | -   | 72.5'      | EXIST.     |        |
| 3-5 T-5          | 17+52.3 : 39.4' LT | 11.0'                       | 1        | 11.7'       | N           | Y          | Y           | N                | 3.0                | 3 | 13.5 | 3 | 23.5 | 3 | 31.5 | 3                | 38.5     | 4                                             | 48.0 | 3   | **50' | 22' | 3.5' | 2' | 5' | 8'          | 2' | -            | 37' | GALVANIZED |            |        |

\* INDICATES FLEXIBLE BACKPLATES

\*\*MAST ARM 3-5 SHALL BE CHOPPED FROM 60' TO 50' TO ACCOMMODATE LOADING

| DATE      | DESCRIPTION | REVISIONS |             | ENGINEER OF RECORD |                                                                                                                                               | City of North Port                                                                                     | STANDARD MAST ARM TABULATION | SHEET NO. |
|-----------|-------------|-----------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------|-----------|
|           |             | DATE      | DESCRIPTION | DATE               | DESCRIPTION                                                                                                                                   |                                                                                                        |                              |           |
| 2/15/2025 |             |           |             |                    | NICOLE R. HICK, P.E.<br>LICENSE NUMBER: 164306<br>KINLEY-HORN AND ASSOCIATES, INC.<br>200 SOUTH ORANGE AVENUE, SUITE 600<br>ORLANDO, FL 32801 | ROUNDABOUT AT<br>S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.<br>SARASOTA AND CHARLOTTE COUNTIES, FLORIDA |                              | T-7       |

SPECIAL MAST ARM ASSEMBLIES DATA TABLE

| SPECIAL MAST ARM ASSEMBLIES DATA TABLE |                  |           |        |        |                     |        |        |            |        |        |                      |        |        |        |        |        |        |        |        |        |        |         |        |
|----------------------------------------|------------------|-----------|--------|--------|---------------------|--------|--------|------------|--------|--------|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| NUMBER OF LOCATIONS                    | STRUCTURE NUMBER | FIRST ARM |        |        | FIRST ARM EXTENSION |        |        | SECOND ARM |        |        | SECOND ARM EXTENSION |        |        | POLE   |        |        |        |        |        |        |        |         |        |
|                                        |                  | FA(ft)    | FB(in) | FC(in) | FE(ft)              | FF(in) | FG(in) | PH(in)     | SA(ft) | SB(in) | SC(in)               | SD(in) | SE(ft) | SF(in) | SG(in) | SH(in) | UA(ft) | UB(ft) | UC(in) | UD(in) | UE(in) | UF(deg) | UG(ft) |
|                                        | 3-3              | 39        | 10.5   | 16     | 0.25                | 42     | 15.1   | 21         | 0.375  | -      | -                    | -      | -      | -      | -      | -      | 25     | 21     | 20.5   | 24     | 0.5    | 0       | 0      |
|                                        | 3-5              | 25.5      | 8.43   | 12     | 0.25                | 27.5   | 11.2   | 15         | 0.375  | -      | -                    | -      | -      | -      | -      | -      | 25     | 22     | 16.5   | 20     | 0.375  | 0       | 0      |

SPECIAL MAST ARM ASSEMBLIES DATA TABLE (CONT.)

| STRUCTURE<br>NUMBER | FIRST ARM CONNECTION (in) |    |    |    |      |       | First Arm Camber Angle = 2 Degrees |      |     |     |       |        | SECOND ARM CONNECTION (in) |    |    |    |    |    | Second Arm Camber Angle = 2 Degrees |    |    |    |  |  |
|---------------------|---------------------------|----|----|----|------|-------|------------------------------------|------|-----|-----|-------|--------|----------------------------|----|----|----|----|----|-------------------------------------|----|----|----|--|--|
|                     | #Boils                    | HT | FJ | FK | FL   | FN    | FO                                 | FP   | FR  | FS  | FT    | #Boils | HT                         | SJ | SK | SL | SN | SO | SP                                  | SR | SS | ST |  |  |
| 3-3                 | 6                         | 30 | 36 | 3  | 0.75 | 0.625 | 18                                 | 1.5  | 2.5 | 12  | 0.625 | -      | -                          | -  | -  | -  | -  | -  | -                                   | -  | -  | -  |  |  |
| 3-5                 | 6                         | 22 | 29 | 3  | 0.75 | 0.438 | 16                                 | 1.25 | 2   | 8.5 | 0.438 | -      | -                          | -  | -  | -  | -  | -  | -                                   | -  | -  | -  |  |  |

SPECIAL MAST ARM ASSEMBLIES DATA TABLE (CONT.)

| STRUCTURE NUMBER | POLE BASE CONNECTION (in) |    |     |    |    | SHAFT AND REINF. |        |    |    |    | LUMINAIRE AND LUMINAIRE CONNECTION |    |        |        |        |        |        |    |        |        |        |        |         |
|------------------|---------------------------|----|-----|----|----|------------------|--------|----|----|----|------------------------------------|----|--------|--------|--------|--------|--------|----|--------|--------|--------|--------|---------|
|                  | #Boils                    | BA | BB  | BC | BF | DA(ft)           | DB(ft) | RA | RB | RC | RD(in)                             | RE | RF(in) | LA(ft) | LB(ft) | LC(in) | LD(in) | LE | LF(ft) | LG(in) | LH(in) | LI(in) | LJ(deg) |
| 3-3              | 8                         | 40 | 2.5 | 2  | 40 | 33               | 5.0    | 11 | 18 | 10 | 6                                  | 10 | 9      | -      | -      | -      | -      | -  | -      | -      | -      | -      | -       |
| 3-5              | 6                         | 36 | 2.5 | 2  | 40 | 30               | 4.5    | 11 | 16 | 10 | 6                                  | 10 | 9      | -      | -      | -      | -      | -  | -      | -      | -      | -      | -       |

## NOTES:

1. WORK THIS SHEET WITH INDEX 649-030 AND 649-031 (FY 2024-25).
2. DESIGN WIND SPEED = 170 MPH (CHARLOTTE COUNTY)

## FOUNDATION NOTES:

1. GROUNDWATER SHOULD BE EXPECTED WITHIN 10 FEET OF THE EXISTING GROUND. THE CONTRACTOR SHOULD ANTICIPATE THE POTENTIAL NEED FOR WET CONSTRUCTION METHODS. SPECIAL UNDERWATER CONCRETE PLACEMENT TECHNIQUES MAY BE REQUIRED IF THE BOTTOM OF THE SHAFT EXTENDS BELOW THE GROUNDWATER TABLE.
2. IF EXISTING SOILS VARY FROM THE CRITERIA PRESENTED ABOVE, CONTACT THE ENGINEER PRIOR TO CONSTRUCTION OF THE DRILLED SHAFT.

## FOUNDATION NOTES:

4. FOUNDATION ASSUMPTIONS:  
POLE 3-3:  
BORING: B-3  
CLASSIFICATION: COHESIONLESS SOIL (SAND)  
FRICTION ANGLE: 28  
UNIT WEIGHT: 37.6  
N-SPT: 7.2  
SOIL LAYER THICKNESS: 30'  
DESIGN WATER TABLE: 0' BELOW SURFACE (ASSUMED)  
  
POLE 3-5:  
BORING: B-1  
CLASSIFICATION: COHESIONLESS SOIL (SAND)  
FRICTION ANGLE: 28  
UNIT WEIGHT: 37.5  
N-SPT: 5.6  
SOIL LAYER THICKNESS: 30'  
DESIGN WATER TABLE: 0' BELOW SURFACE (ASSUMED)

| REVISIONS |             |
|-----------|-------------|
| Date      | Description |

JOSEPH A. ROBERTS  
LICENSE NUMBER: 78547  
TIMLEY-HORN AND ASSOCIATES, INC.  
200 S. HARRIS BLVD., SUITE 600  
ORLANDO, FL 32801

CITY OF NORTH PORT  
ROUNDABOUT AT  
S. CHAMBERY BLVD. AND HILLSBOROUGH BLVD.  
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

Yehliu Wang

02/25/2024 9:46:15 AM

EXHIBIT A. 83 OF 87

SHEET NO.

T-8

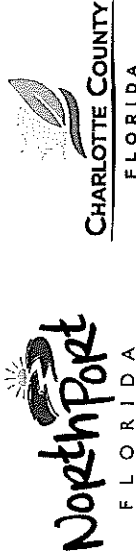
## SPECIAL MAST ARM DATA TABLES

REF. Dwg. NO.

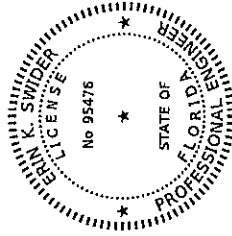
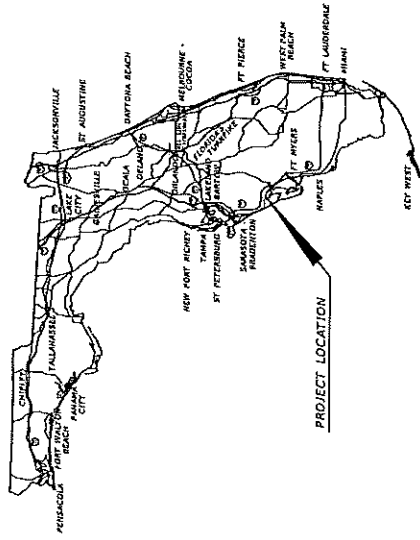
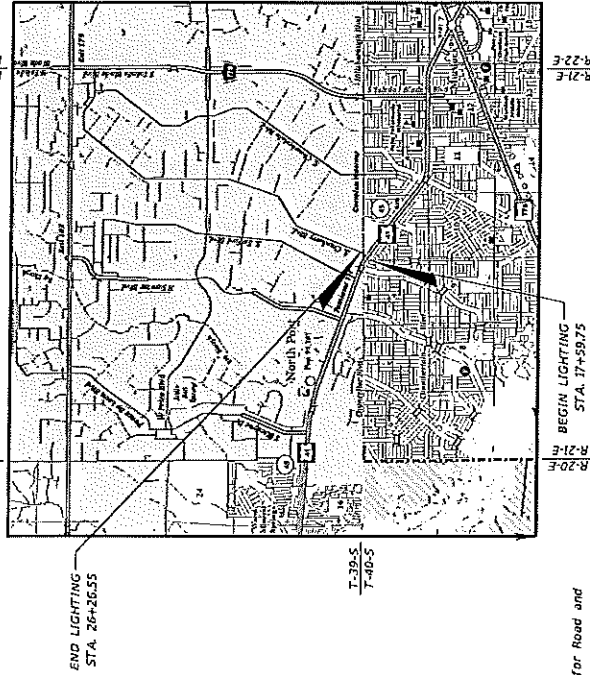
# CITY OF NORTH PORT

## LIGHTING PLANS

S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.  
 ROUNDABOUT



| INDEX OF LIGHTING PLANS | SHEET DESCRIPTION        |
|-------------------------|--------------------------|
| L-1                     | KEY SHEET                |
| L-2                     | TABULATION OF QUANTITIES |
| L-3                     | PLAN SHEETS              |
| L-4                     | POLE DATA AND LEGEND     |
| L-5                     | SERVICE POINT DETAILS    |
| L-6                     | LIGHT POLE-DETAIL SHEET  |



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ON THE DATE ADJACENT TO THE SEAL  
 PRINTED COPIES OF THIS DOCUMENT ARE  
 NOT CONSIDERED SIGNED, SEALED,  
 AND THE SIGNATURE MUST BE VERIFIED  
 ON ANY ELECTRONIC COPIES.

LIGHTING PLANS  
 ENGINEER OF RECORD:

ERIN K. SWIDER, P.E.  
 P.E. LICENSE NUMBER 95476  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1800 SECOND STREET, SUITE 900  
 SARASOTA, FL 34236

CITY OF NORTH PORT  
 PROJECT MANAGER:  
 ANTHONY FRIEDMAN, P.E.

FDOT PERMIT  
 SUBMITTAL  
 FEBRUARY 2025

SECTION: 0101000  
 M.P. 25.337 - 25.945  
 PERMIT # 2023-C-192-00003 - CONSTRUCTION AGREEMENT  
 PERMIT # 2023-O-192-00014 - DRAINAGE

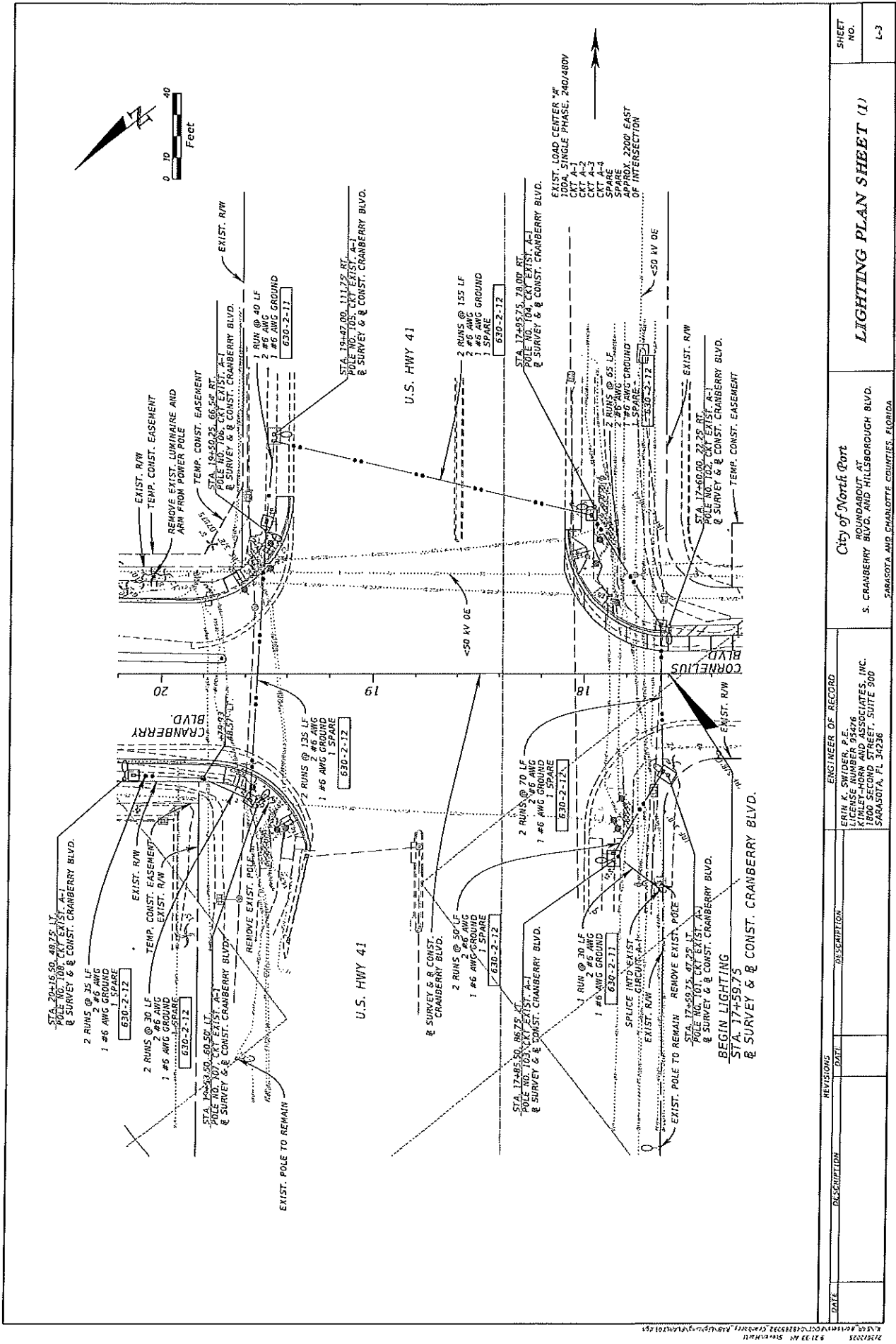
| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 25          | L-1       |

Exhibit A, 84 of 87

GOVERNING STANDARD PLANS:  
 Florida Department of Transportation, FY 2024-25 Standard Plans for Road and  
 Bridge Construction and applicable Interim Revisions (IRs).  
 Standard Plans for Road Construction and associated IRs are available at the  
 following website: <http://www.fdot.gov/design/standardplans>  
 APPLICABLE IRs: NONE

GOVERNING STANDARD SPECIFICATIONS:  
 Florida Department of Transportation, FY 2024-25 Standard Specifications  
 for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>





### Lighting Data Table

| Lighting Data Table |              |           |          |           |           |            |            |                |                        |      |                                |                         |                               |              |            |                 |                 |                 |             |                    |            |
|---------------------|--------------|-----------|----------|-----------|-----------|------------|------------|----------------|------------------------|------|--------------------------------|-------------------------|-------------------------------|--------------|------------|-----------------|-----------------|-----------------|-------------|--------------------|------------|
| Pole No.            | No. Existing | Northings | Baseline | Station   | Offset    | Foundation | Arm Length | Arm Mount Rise | Quantity of Luminaires | Type | Make/Model                     | Lumens                  | IES Distribution Type         | CCT(K) (deg) | Tilt (deg) | Luminaire Watts | Luminaire Volts | Load Center No. | Circuit No. | Maintenance Agency | Pay Item   |
| 1                   | 5590917086   | 901112.61 | BL Crn   | 21+51.50  | 48.1 RF   | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 2                   | 5590917087   | 901112.61 | BL Crn   | 21+51.50  | 48.1 RF   | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 3                   | 5590917088   | 901112.61 | BL Crn   | 21+66.81  | 86.25 RF  | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 4                   | 5590917089   | 901126.14 | BL Crn   | 23+06.81  | 26 RF     | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 5                   | 5590917090   | 901126.14 | BL Crn   | 23+16.58  | 26 RF     | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 6                   | 5590917091   | 901126.63 | BL Crn   | 23+32.50  | 30.5 RF   | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 7                   | 5590917092   | 901136.63 | BL Crn   | 24+16.66  | 30.5 RF   | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 8                   | 5590917093   | 901136.63 | BL Crn   | 24+27.50  | 31 RF     | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 9                   | 5590917094   | 901147.78 | BL Crn   | 24+37.50  | 31 RF     | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 10                  | 5590917095   | 901156.67 | BL Crn   | 25+23.25  | 31 RF     | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 11                  | 5590917096   | 901156.67 | BL Crn   | 25+35.25  | 32.5 RF   | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 12                  | 5590917097   | 901162.44 | BL Crn   | 25+43.25  | 32.5 RF   | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 13                  | 5590917098   | 901162.44 | BL Crn   | 25+46.50  | 30.89 RF  | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 14                  | 5590917099   | 901171.73 | BL Crn   | 25+47.25  | 31.10 RF  | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 15                  | 5590917100   | 901171.73 | BL Crn   | 25+49.50  | 31.75 RF  | STANDARD   | 6          | 0              | 30                     | 1    | GOBRA                          | HOLOPHANE/RADIANT 12232 | RADIANT 120W3K TYPE III Globe | 3000         | 0          | 116.5           | 240             | A               | A-1         | CITY OF NORTH PORT | 715-61-130 |
| 101                 | 5596615750   | 908064.64 | BL Crn   | 17+159.75 | 47.25 LT  | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX FT   | 3000                          | 0            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |
| 102                 | 559917578    | 908097.75 | BL Crn   | 17+60.00  | 22.25 ST  | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX FT   | 3000                          | 5            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |
| 103                 | 55966146.06  | 908009.33 | BL Crn   | 17+485.50 | 86.75 LT  | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX MR   | 3000                          | 0            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |
| 104                 | 559604.38    | 900706.69 | BL Crn   | 17+95.75  | 78.00 RT  | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX FT   | 3000                          | 0            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |
| 105                 | 559501.97    | 900917.66 | BL Crn   | 19+47.00  | 111.75 RT | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX FT   | 3000                          | 0            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |
| 106                 | 559668.50    | 908043.26 | BL Crn   | 19+50.25  | 66.54 ST  | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX FT   | 3000                          | 0            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |
| 107                 | 55970.84     | 90124.36  | BL Crn   | 19+453.50 | 60.50 LT  | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX FT   | 3000                          | 0            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |
| 108                 | 559619.12    | 901066.72 | BL Crn   | 20+16.50  | 48.75 LT  | STANDARD   | 1.5        | 0              | 45                     | 1    | POST TOP HOLOPHANE/NGLED 33443 | NGLED P1 30K XXXXX MR   | 3000                          | 0            | 246        | 480             | EX-A            | EX-A            | 1           | FDOT               | 715-61-400 |

## NEW CONSTRUCTION SIGNALIZED INTERSECTION

## ROUNDABOUT LIGHTING CRITERIA

AVERAGE INITIAL INTENSITY: H.F.C. 30 STD / 15 MIN

UNIFORMITY RATIO AVG. / MIN.: 4:1 OR LESS

UNIFORMITY RATION MAY / MIN.

THE UNIVERSITY OF CHICAGO

DESIGN WIND SPEED: 160 MPH

**GENERAL NOTES:**

1. AT THE COMPLETION OF THE PROJECT, PROVIDE AS-BUILT PLANS IN ELECTRONIC FORM (PDF) TO:  
  
KINLEY-HORN & ASSOCIATES, INC.  
1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34236  
PHONE: (941) 375-7662  
EMAIL: ENR-SWIDE@KINLEY-HORN.COM
2. ON THE LOCATION(S) OF EXISTING UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
3. SEE ROADWAY GENERAL NOTES FOR A LIST OF ALL UTILITY OWNERS.
4. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO THE LIGHT POLE FOUNDATIONS OR CIRCUIT RUN, HAND DIG THE FIRST 4 FEET OF THE HOLE FOR THE POLE FOUNDATION AND CIRCUIT RUN.
5. EXISTING LIGHTING SHALL BE MAINTAINED DURING CONSTRUCTION TO GREATEST EXTENT POSSIBLE UNTIL NEW SYSTEM IS OPERATIONAL.

CONCRETE SLAB FOR POLE AND 13" X 24" PULL BOX (SEE INDEX 715-001)

CONCRETE SLAB FOR INTERMEDIATE 13" X 24" PULL BOX (SEE INDEX 715-001)

PROPOSED LOCATION OF 13" X 24" PULL BOX

EXIST. LUMINAIRE AND ARM TO BE REMOVED

PROPOSED LOAD CENTER

## 2" DIRECTIONAL DRILLED CONDUIT

2" DIRECT BURIED CONDUIT

EXIST. POLE TO REMAIN

EXIST. POLE TO BE REMOVED

EXIST. LUMINAIRE AND ARM TO BE REMOVED

MANUFACTURER: PHOSPHANE RADIENT LED MEDIUM: HOLOPHANE RADIANITZOW3K-TYPE III G006105  
DESIGN, WIND FOR 120/240V OPERATION.  
AS USED AS THE BASIS OF DESIGN, MOUNTING HEIGHT, ARM LENGTH,  
POLE DATA, TABLE FOR WAITAGE, NEW LIGHT POLE AND LUMINAIRE  
DESIGNATION, NEW LIGHT POLE AND LUMINAIRE

MANUFACTURER:  
MONOPHANE MONOCOSE LED MEDIUM:  
MGMEDM\_P1\_30K\_XXXX Fties - TYPE IV DISTRIBUTION  
MGMEDM\_P1\_30K\_XXXX Wties - TYPE II DISTRIBUTION  
WAS USED AS THE BASIS OF DESIGN, WIRED FOR 240/480V OPERATION.  
PLEASE SEE DATA TABLE FOR WATTAGE, MOUNTING HEIGHT, ARM LENGTH,  
AND FULL IES DESIGNATION. NEW LIGHT POLE AND LUMINAIRE.

PROPOSED LOAD CENTER

2" DIRECTIONAL DRILLED CONDUIT

2" DIRECT BURIED CONDUIT

EXIST, POLE TO REMAIN

EXIST. POLE TO BE REMOVED

EXIST. LUMINAIRE AND ARM TO BE REMOVED

**ENGINEER OF RECORD**

ERIN K. SWIDER, P.E.  
LICENSE NUMBER 06476

WILLIAMS NUMBER 93478  
KIMLEY-HORN AND ASSOC.

1800 SECOND STREET, SUITE 900  
SARASOTA, FL 34235

**Figure 1**

City of North Port

ROUNDABOUT AT

LANE BERRY BLVD. AND HILLSBOROUGH BLV

## POLE DATA AND LEGEND

Exhibit A, 86 of 87

| PROPOSED LOAD CENTER A                                |                              |                      |                          |                          |                                                            |
|-------------------------------------------------------|------------------------------|----------------------|--------------------------|--------------------------|------------------------------------------------------------|
| 120/240 V. SINGLE PHASE, 2 WIRE + GROUND              |                              |                      |                          |                          |                                                            |
| STA. 32+25.00, 57.00' RT. (BL. SURV. CRANBERRY BLVD.) |                              |                      |                          |                          |                                                            |
| LOAD CENTER DESIGNATION                               | MAIN & CIRCUIT BREAKER SIZES | # OF BRANCH CIRCUITS | TOTAL DEMAND LOAD (AMPS) | TOTAL DESIGN LOAD (AMPS) | # SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT |
| A                                                     | 100 A, 2P                    | 1                    | 8.3                      | 10.4                     | # 2 AWG                                                    |
|                                                       | 20 A, 2P                     |                      | 8.3                      | 10.4                     | # 6 AWG                                                    |

| EXISTING LOAD CENTER EX-A                |                              |                      |                          |                          |                                                            |
|------------------------------------------|------------------------------|----------------------|--------------------------|--------------------------|------------------------------------------------------------|
| 240/480 V. SINGLE PHASE, 2 WIRE + GROUND |                              |                      |                          |                          |                                                            |
| STA. EXIST                               |                              |                      |                          |                          |                                                            |
| LOAD CENTER DESIGNATION                  | MAIN & CIRCUIT BREAKER SIZES | # OF BRANCH CIRCUITS | TOTAL DEMAND LOAD (AMPS) | TOTAL DESIGN LOAD (AMPS) | # SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT |
| EXIST.                                   | 100 A, 2P                    | EXIST.               | 50.0                     | 62.5                     | # 2 AWG                                                    |
| EX. A-1                                  | 40 A, 2P                     |                      | 17.1                     | 21.4                     | # 6 AWG                                                    |
| EX. A-2                                  | 40 A, 2P                     |                      | 15.3                     | 19.1                     | # 6 AWG                                                    |
| EX. A-3                                  | 40 A, 2P                     |                      | 9.2                      | 11.5                     | # 6 AWG                                                    |
| EX. A-4                                  | 40 A, 2P                     |                      | 8.4                      | 10.5                     | # 6 AWG                                                    |

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