

CONSTRUCTION AGREEMENT**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

UR25-0732 JNK

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

- | | |
|---------|-----------------------------------|
| 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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| 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>

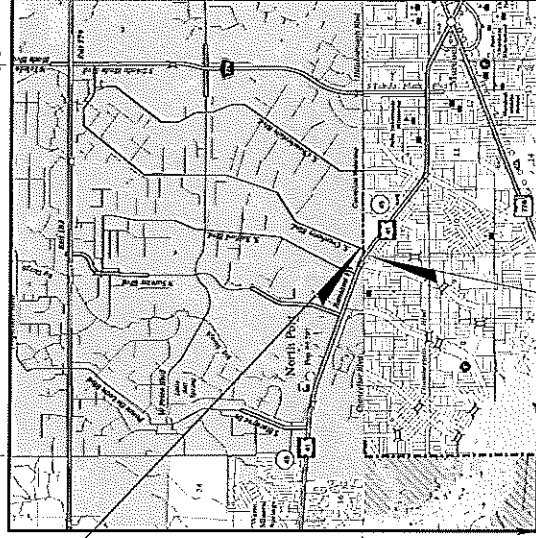
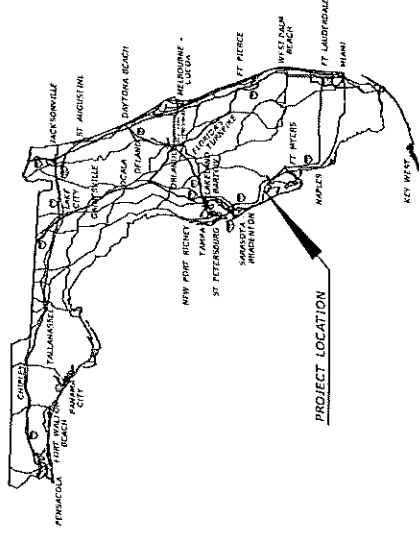
APPLICABLE IRs: None

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 45629
KIMLEY-HORN AND ASSOCIATES, INC.
1800 SECOND STREET, SUITE 900
SARASOTA, FL 34236

CITY OF NORTH PORT
PROJECT MANAGER:

ANTHONY FRIEDMAN, P.E.

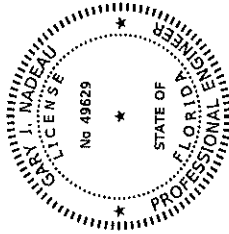
FDOT PERMIT
SUBMITTAL
FEBRUARY 2025

SECTION: 0101000
M.F. 25.337 - 25.946
PERMIT # 2023-C-192-00003 - CONSTRUCTION AGREEMENT
PERMIT # 2023-D-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.

KIMLEY-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 RULE 6G05-33.004, F.A.C.

- | | |
|---------|-----------------------------------|
| 1 | KEY SHEET |
| 2 | SIGNATURE SHEET |
| 3 - 4 | SUMMARY PAY ITEMS |
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DATE		DESCRIPTION		REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CHAMBERLY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		SIGNATURE SHEET		SHEET NO. 2
						GARY J. NADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236						

ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY
0700 1 11	SINGLE POST SIGN, F&I, GROUND MOUNT, UP TO 12 SF	AS	32
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	5
0700 1 60	SINGLE POST SIGN, REMOVE	AS	4
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	231
0710 90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS	1
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1209
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CROSSWALK	LF	355
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1206
0711 11144	THERMOPLASTIC, STANDARD, WHITE, 2x2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM	0.02
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	9
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	17
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	343
0711 16101	THERMOPLASTIC, STANDARD - OTHER SURFACES, WHITE, SOLID, 6"	GM	0.754
0711 16102	THERMOPLASTIC, STANDARD - OTHER SURFACES, WHITE, SOLID, 8"	GM	0.198
0711 16131	THERMOPLASTIC, STANDARD - OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-8 LANE DROP	GM	0.047
0711 16171	THERMOPLASTIC, STANDARD OTHER SURFACES, WHITE, 6", 8-10 DOTTED MANAGED LANE MARKING	GM	0.091
0711 16201	THERMOPLASTIC, STANDARD - OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.879
0711 16202	THERMOPLASTIC, STANDARD - OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.049
Signalization			
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	170
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	320
0633 1 121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2x12 FIBERS	LF	310
0635 2 11	PULL & SPlice BOX F&I, 13" x 24" COVER SIZE	EA	8
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	5
0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	6
0649 21 06	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1
0649 21 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 76'	EA	1
0649 26 05	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION, BOLT ON ATTACHMENT	EA	2
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL, ALUMINUM, 3 SECTION, 1 WAY	AS	7
0650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL, ALUMINUM, 4 SECTION, 1 WAY	AS	3
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	4
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	1
0660 4 42	VEHICLE DETECTION SYSTEM-VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	3
0660 4 61	VEHICLE DETECTION SYSTEM-VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	1
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	6
0700 11 301	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT, AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS	1
0700 3 201	SIGN PANEL, FURNISH & INSTALL, OVERHEAD MOUNT, UP TO 12 SF	EA	1
0700 5 50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	2

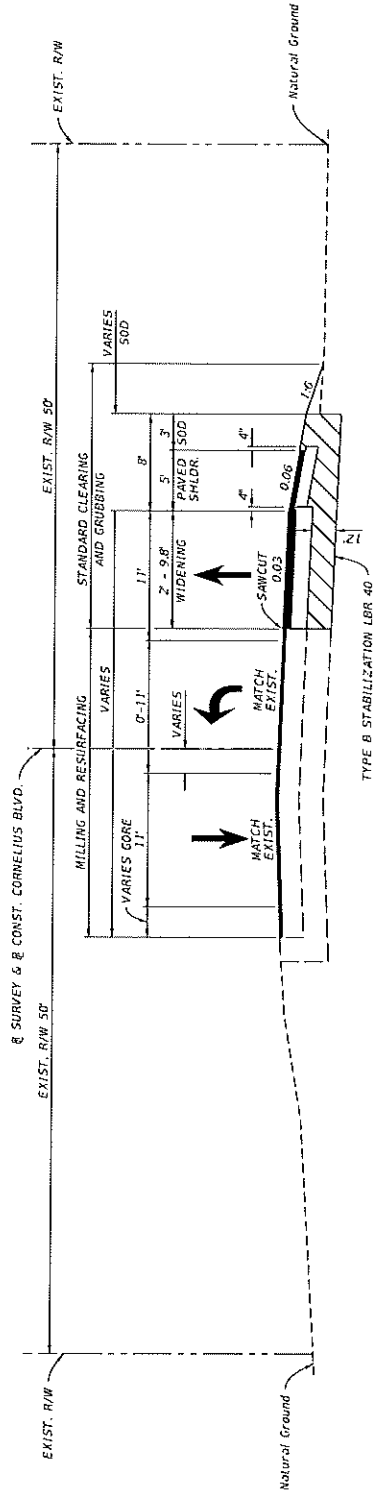
ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY
0101 1	MOBILIZATION	LS	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1
0110 1 1	CLEARING & GRUBBING	AC	4.94
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	1427.8
0120 1	REGULAR EXCAVATION	CY	6112
0120 6	EMBANKMENT	CY	4168
0160 4	TYPE B STABILIZATION	SY	11017.94
2657 01	OPTIONAL BASE, BASE GROUP 01	SY	567.87
2657 09	OPTIONAL BASE, BASE GROUP 09	SY	7563.16
0327 70 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	SY	3776.3
0334 1 52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG78-22	TN	29.59
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG78-22	TN	1197.7
0337 7 82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, PG 9.5, PG 76-22	TN	907.61
0350 30 13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 12" DEPTH	SY	277.18
0425 10	YARD DRAIN	EA	1
0425 2 71	MANHOLES, J7, <10'	EA	2
0425 2 73	MANHOLES, J7, PARTIAL	EA	1
0425 1521	INLETS, DT BOT, TYPE D, <10'	EA	4
0425 1541	INLETS, DT BOT, TYPE G, <10'	EA	2
0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	5
0425 1361	INLETS, CURB, TYPE P-6, <10'	EA	4
0425 1201	INLETS, CURB, TYPE 9, <10'	EA	2
430175118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/O	LF	146
430175124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/O	LF	1885
430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30" S/O	LF	41.9
430982129	MITERED END SECTION, OPTIONAL ROUND, 24" CO	EA	1
430982133	MITERED END SECTION, OPTIONAL ROUND, 30" CO	EA	1
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	EA	1
0520 2 4	CONCRETE CURB, TYPE D	LF	3748.86
0520 2 8	CONCRETE CURB, TYPE RA	LF	253.42
0520 5 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	317.3
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	LF	290.32
0522 1	CONC SIDEWALK AND DRIVEWAYS, 4" THICK	SY	232.77
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1071.06
0530 3 4	RIPRAP, RUBBLE, F&I, DITCH LINING	SY	244.73
0530 74	BEDDING STONE	TN	26
0570 1 2	PERFORMANCE TURF, SOD	TN	18.67
989-9-90	100% GOPHER TORTOISE SURVEY	SY	14570.3
999-9-97a	GOPHER TORTOISE RELOCATION - BACKHOE OPERATOR	LS	1
999-9-97b	GOPHER TORTOISE RELOCATION - AUTHORIZED AGENT AND REPORT	ED	1
999-9-97c	GOPHER TORTOISE MITIGATION AND FWC FEE (PER TORTOISE)	LS	1

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ENGINEER OF RECORD	CITY OF NORTH PORT	SUMMARY OF PAY ITEMS	SHEET NO.
11-12-2024	132 19 PM 11/12/2024				GARY J. MADEAU, P.E. 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		3

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 & SPLICED 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. 6-6	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			
-	CARDBOARD PALM - 25 GAL	EA	4
-	AFRICAN IRIS - 3 GAL	EA	366
-	PINK MUHLY GRASS - 3 GAL	EA	103
-	FLORIDA COONIE - 7 GAL	EA	238
-	PERENNIAL PEANUT - SOD	SF	1189
-	RAIN BIRD RD 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 LF903M1 2-1/4"	EA	1
-	RAIN BIRD ESPRIME-LXMM-LXMPED	EA	1
-	RAIN BIRD RSD-8EX	EA	1
-	IRRIGATION PIPE SLEEVE	LF	70
-	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

REVISIONS		ENGINEER OF RECORD	
DATE	DESCRIPTION	DATE	DESCRIPTION
		GARY J. MADEAU, P.E. 1115 S. HIGHLAND AVE. #20 KIMBLE-HORN AND ASSOCIATES, LLC 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	
		SUMMARY OF PAY ITEMS	
		SHEET NO.	4

Exhibit A.4 of 87



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

CORNELIUS BLVD. AND
US HWY 41 (OTHER THAN TRAVEL LANES)
STA. 13+29.83 TO STA. 18+10.60
STA. 18+10.60 TO STA. 18+79.94
STA. 18+79.94 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)

MILLING AND RESURFACING
MILL EXISTING ASPHALT PAVEMENT (2.25" AVG. DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5") (PG 76-22)
FRICTION COURSE (FC-3) (3/4") (PG 76-22)

RESURFACING
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

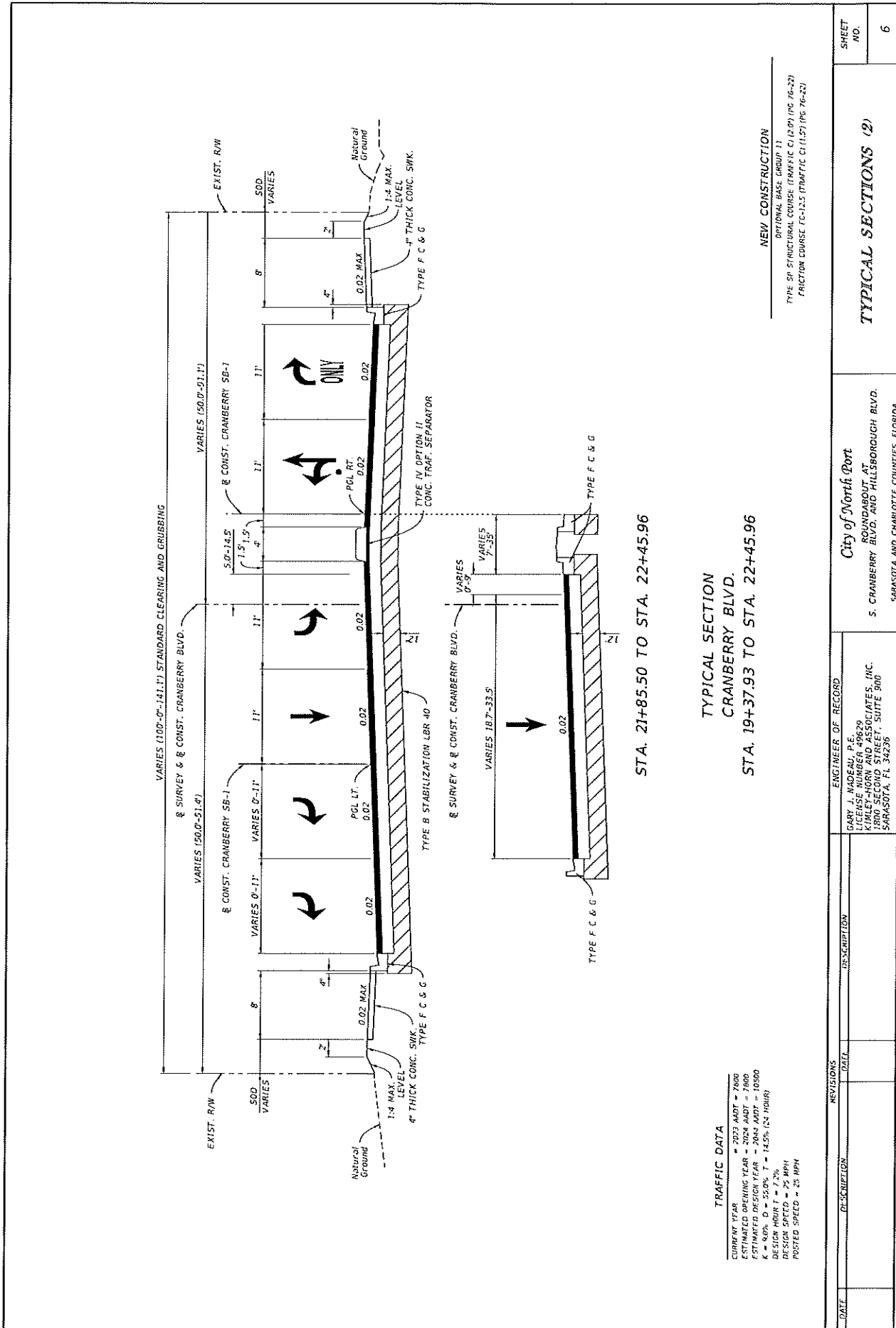
WIDENING
OPTIONAL BASE GROUP 11
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.0") (PG 76-22)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

SHOULDERS
OPTIONAL BASE GROUP 1
FRICTION COURSE FC-12.5 (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR
ESTIMATED OPENING YEAR = 2034 ADOT = 1800
ESTIMATED DESIGN YEAR = 2034 ADOT = 1800
K = 9.6%, 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 ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		
						5



TRAFFIC DATA

CURRENT YEAR = 2023 ADIT = 7600
ESTIMATED DESIGN YEAR = 2024 ADIT = 7600
ESTIMATED DESIGN YEAR = 2024 ADIT = 7600
K = 8.0% D = 25.0% T = 14.5% (24 HOUR)
DESIGN HOUR T = 7.2%
DESIGN SPEED = 75 MPH
POSTED SPEED = 25 MPH

NEW CONSTRUCTION

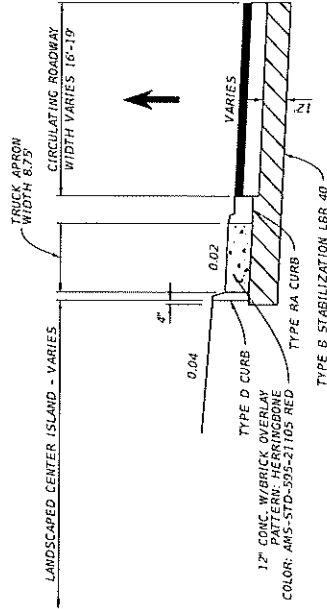
OPTIONAL BASE GROUP 13
TYPE SP STRUCTURAL COURSE (TRAFFIC C12.07) (PG 76-22)
TRACTION COURSE (C12.07) (PG 76-22)

TYPICAL SECTION
CRANBERRY BLVD.

STA. 19+37.93 TO STA. 22+45.96

STA. 21+85.50 TO STA. 22+45.96

REVISIONS		ENGINEER OF RECORD		TYPICAL SECTIONS (2)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		
		GARY J. MADEAU, P.E. 1800 SECOND STREET, SUITE 800 SARASOTA, FL 34236				6



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

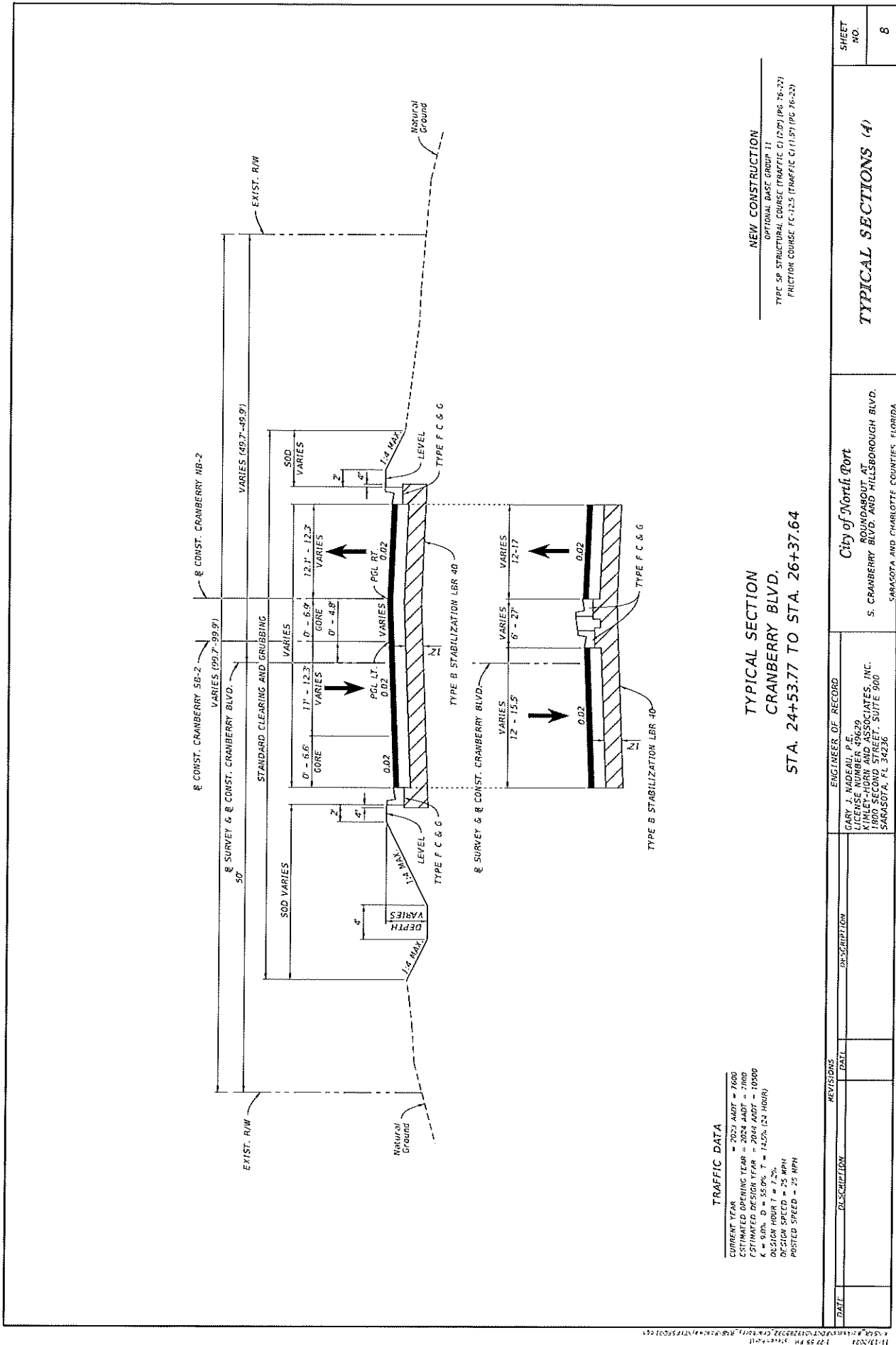
TRAFFIC DATA

CURRENT YEAR - 2023 ADT = 7600
ESTIMATED CLOSING YEAR - 2024 ADT = 7800
ESTIMATED DESIGN YEAR - 2024 ADT = 10000
K = 9.6%, 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 5P STRUCTURAL CONC. (TRAFFIC C) (2.0") (PG 76-27)
FRICTION COURSE FC-125 (TRAFFIC C) (1.5") (PG 76-22)

REVISIONS		ENGINEER OF RECORD		TYPICAL SECTIONS (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
				City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	7



TRAFFIC DATA

CURRENT YEAR = 2023 ADT = 7000
ESTIMATED OPENING YEAR = 2024 ADT = 7000
ESTIMATED DESIGN YEAR = 2044 ADT = 10500
K = 9.0% D = 55.0% T = 14.0% (24 HOUR)
DESIGN HOUR T = 7.2%
DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

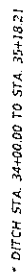
TYPICAL SECTION
CRANBERRY BLVD.

STA. 24+53.77 TO STA. 26+37.64

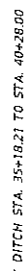
NEW CONSTRUCTION

OPTIONAL BASE GROUP 11
TYPE SB STRUCTURAL COURSE (TRAFFIC C) (2.25) (PG 76-22)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.57) (PG 76-22)

REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	TYPICAL SECTIONS (4)	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION			



STA. 31+67.75 TO STA. 35+18.21



STA. 35+18.21 TO STA. 36+28.10

CURRENT YEAR
= 2023 ADT = 7600
ESTIMATED OPENING YEAR = 2024 ADT = 7800
ESTIMATED DESIGN YEAR = 2044 ADT = 10500
K = 9.0%, D = 55.0% T = 1.45% (2.4 HOUR)
DESIGN HOUR T = 1.2%
DESIGN SPEED = 25 MPH
DESIGN SPEED = 25 MPH

OPTIONAL BASE GROUP 1
TYPE 5P STRUCTURAL COURSE (TRAFFIC C) (1.5")
RICTION COURSE, CC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

OPTIONAL BASE GROUP 11

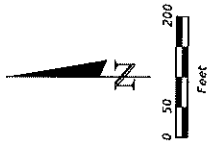
OPTIONAL BASE GROUP 1
TYPE 5P STRUCTURAL COURSE (TRAFFIC B) (1.5)

DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.		TYPICAL SECTIONS (5)		SHEET NO.	
										GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMBLE HORN AND ASSOCIATES, INC. 1300 LEGNOR STREET, SUITE 900 SARASOTA, FL 34236						9	

SUMMARY OF DRAINAGE STRUCTURES

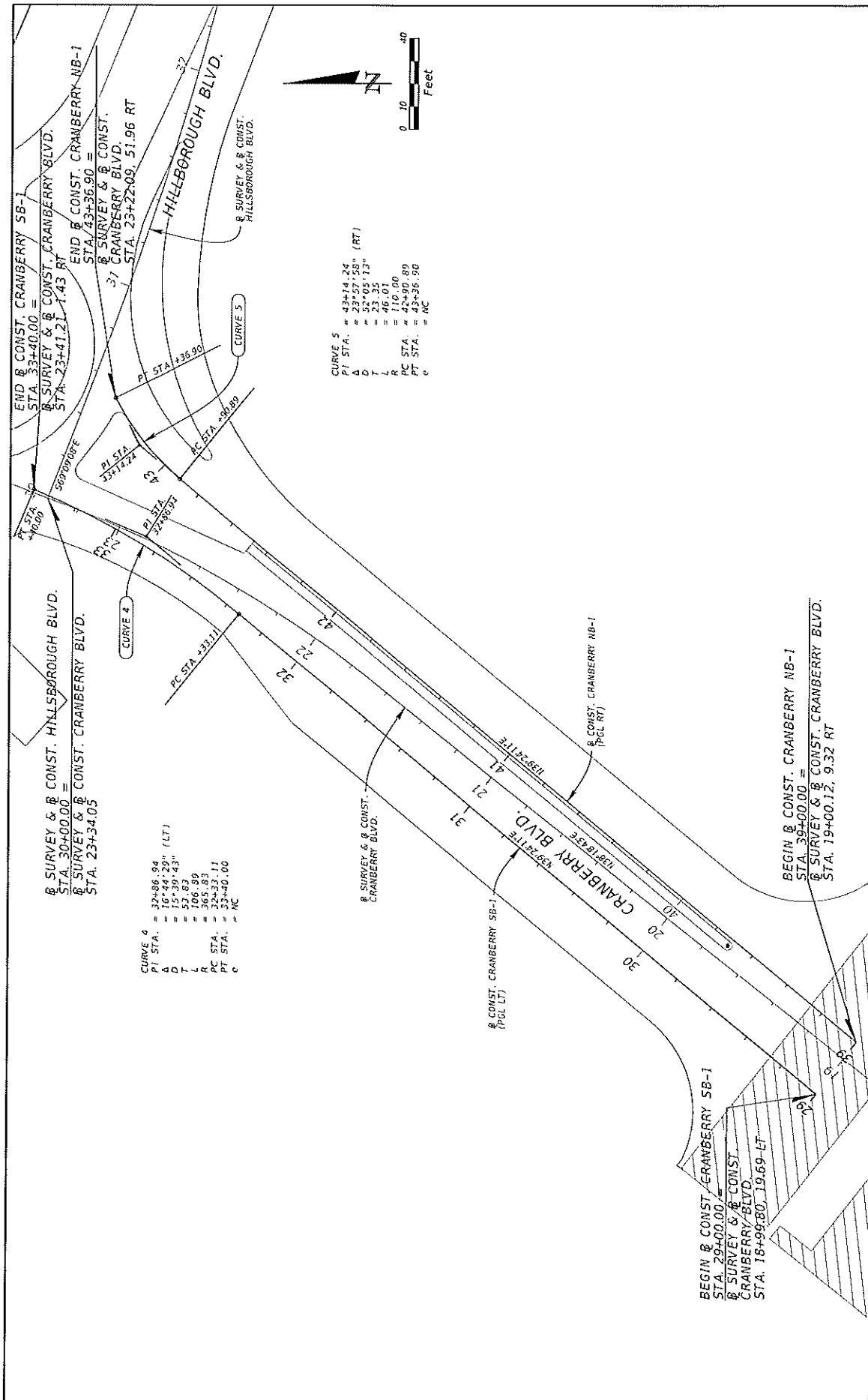
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DATE DESCRIPTION REVISIONS DATE		ENGINEER OF RECORD GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.	SUMMARY OF DRAINAGE STRUCTURES	SHEET NO. 10
				SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		

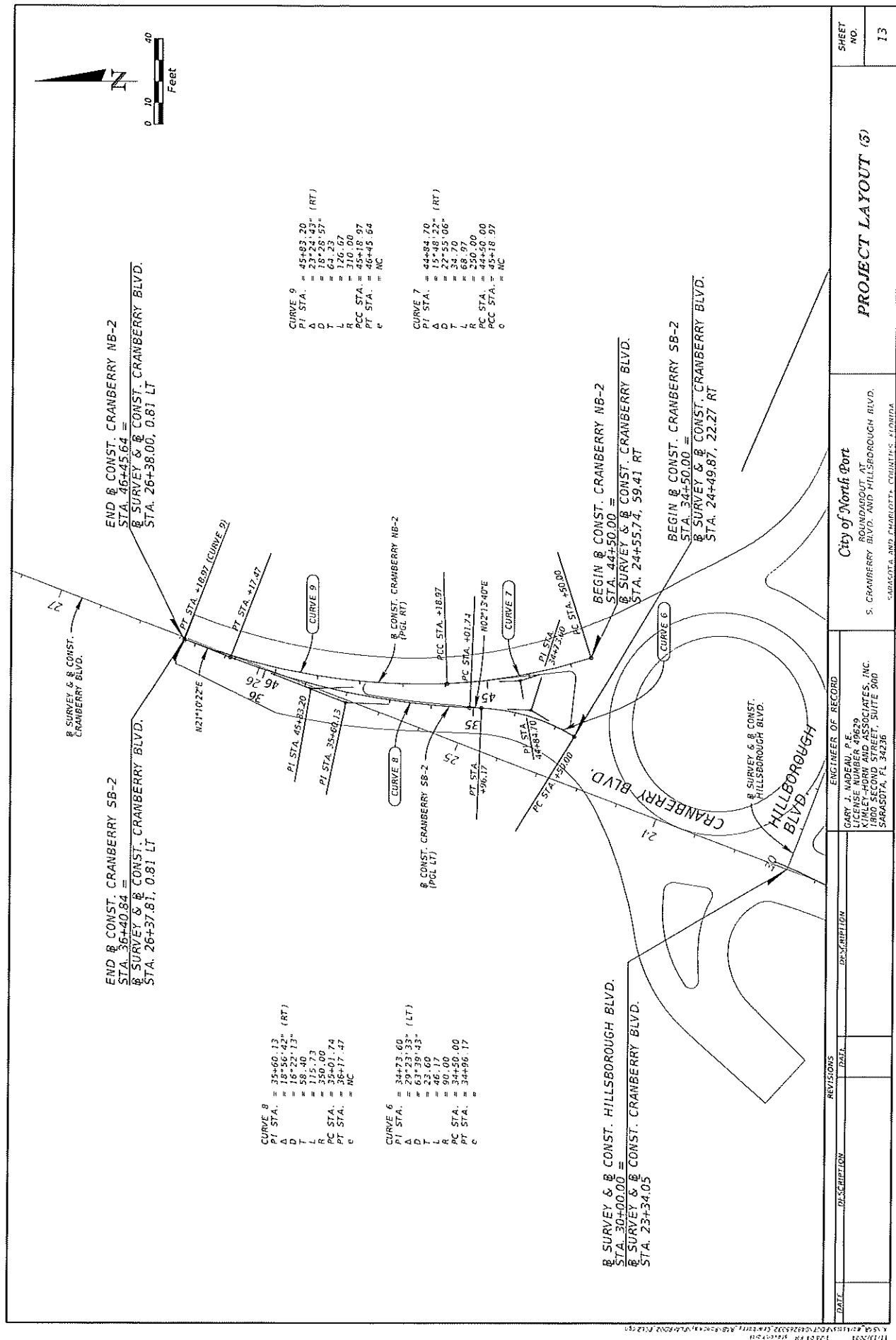


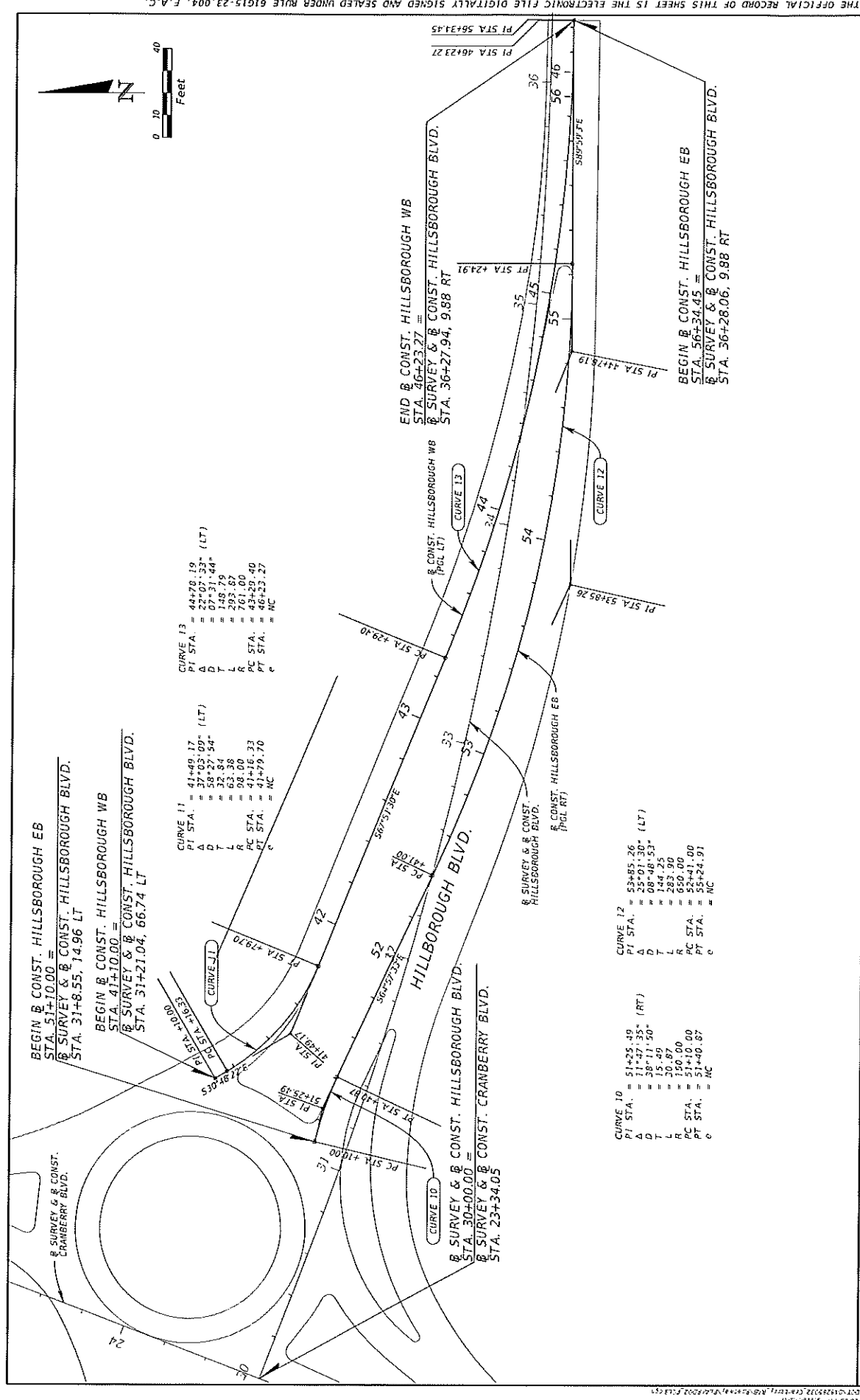
SITE BENCH MARKS				
BM #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	900516.121	508423.023	9.50'	RS LB7203
2	906076.557	506973.305	12.20'	RS LB7203
3	909080.328	506945.614	12.82'	RS LB7203
4	901335.326	509018.573	11.26'	RS LB7203
5	901194.298	509045.286	10.82'	RS LB7203
6	901187.169	501011.775	9.30'	RS LB7203

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ENGINEER OF RECORD	City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	PROJECT LAYOUT (1)	SHEET NO.
					GARY J. MADEAU, P.E. LICENSE NUMBER 48829 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 300 SARASOTA, FL 34236			11



REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	PROJECT LAYOUT (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
						12





REVISIONS		ENGINEER OF RECORD		City of North Port	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
		CARY J. VADEAN, P.E.		ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	14
		KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236			

UTILITY NOTES

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.
1001 LEWIS ROAD
BRAUDENTON, 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. SOO WILL BE EVENLY ROLLED. SOO EDGES WILL NOT BE HIGHER THAN ADJACENT PAVEMENT AND/OR CONCRETE.
7. CAPROCK IS ANTICIPATED IN THE EXCAVATION OF THE POND 4. COST ASSOCIATED WITH THE EXCAVATION OF THE CAPROCK WILL BE INCLUDED IN THE PAY ITEM 0120-1 REGULAR EXCAVATION, C1.

EROSION AND SEDIMENT CONTROL NOTES

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. THIS INSPECTION REPORT SHALL ALSO INSPECT THAT THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL PLANS.
 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, TRENCH 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 IMMEDIATELY BY TELEPHONE TO THE CITY POLLUTION CONTROL DIVISION AND THE CORRESPONDING FLORIDA WATER MANAGEMENT DISTRICT. DEVELOPMENT SHALL BE SUSPENDED UNTIL TURBIDITY LEVEL REACH NO MORE THAN 29 MTUS ABOVE BACKGROUND LEVELS.
 5. THE CONTRACTOR SHALL PROVIDED A COPY OF THE CONSTRUCTION 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 RAIN GAGES AND RECORD RAINFALL.
 8. BEFORE ANY DEWATERING ACTIVITIES CAN BEGIN THAT RESULT IN OFF SITE DISCHARGE, A DEWATERING PLAN MUST BE SUBMITTED TO BOTH THE CITY AND COMMUNITY WARDEN AND TO SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT FOR REVIEW AND WRITTEN APPROVAL.
- THE PLAN SHOULD INCLUDE THE LOCATION OF THE DEWATERING SITES, THE DEWATERING PUMP, SEDIMENT SUMP, AREAS TO BE DETAILED TO RETAIN OR DETRAIN DISCHARGE, METHODS OF ISOLATING THE DEWATERING AREAS, FLOW PATHS, AND POINTS OF DISCHARGE OFF SITE.
- BACKGROUND LEVEL PRIOR TO DISCHARGE OFF SITE.
- NO MORE THAN 29 MTUS ABOVE

STORMWATER MANAGEMENT NOTES

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 TOPSOIL PRIOR TO FINAL GRADING WITH LIGHT MACHINERY TO ACHIEVE POND BOTTOM ELEVATION. APPLY HYDROSEED MULCH SOW ESTYRT HYDROSEED MULCH TO ENSURE GRASS GROWTH PRIOR TO FINAL CITY ACCEPTANCE.

COMPANY	CONTACT	TELEPHONE NUMBERS
CENTURY LINK	BRUCE A. BULLER	(850) 599-1444
CHARLOTTE COUNTY LIGHTING	TONI MCCLOUD	(904) 752-1000
CHARLOTTE COUNTY UTILITIES	ANGIE A. BULLER	(904) 752-1000
CITY OF NORTH PORT UTILITIES	JENNIFER FEHRAS	(941) 240-9008
FLORIDA POWER AND LIGHT	JOSH DAVIS	(239) 253-7662
FRONTIER	JOEL BARR	(866) 586-6403
SARASOTA AND CHARLOTTE	TONI CANNON	(813) 875-1014
SAFARI	JAMES BARR	(813) 928-6881
SEAFRONT BUSINESS CENTER	DANIELA DOWLING	(813) 275-3283
SARASOTACOUNTY ECONOMIC DEVELOPMENT	JUDAN DOWLING	(813) 275-3283
TECO - PEOPLES GAS		

UTILITY NOTES

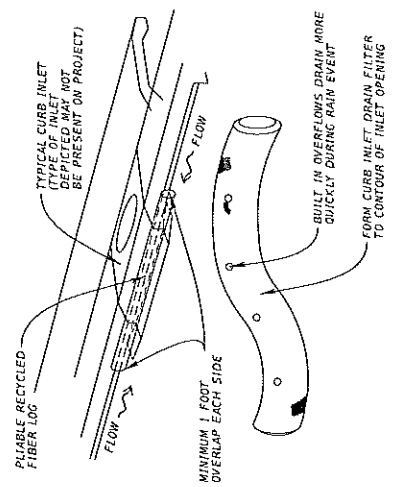
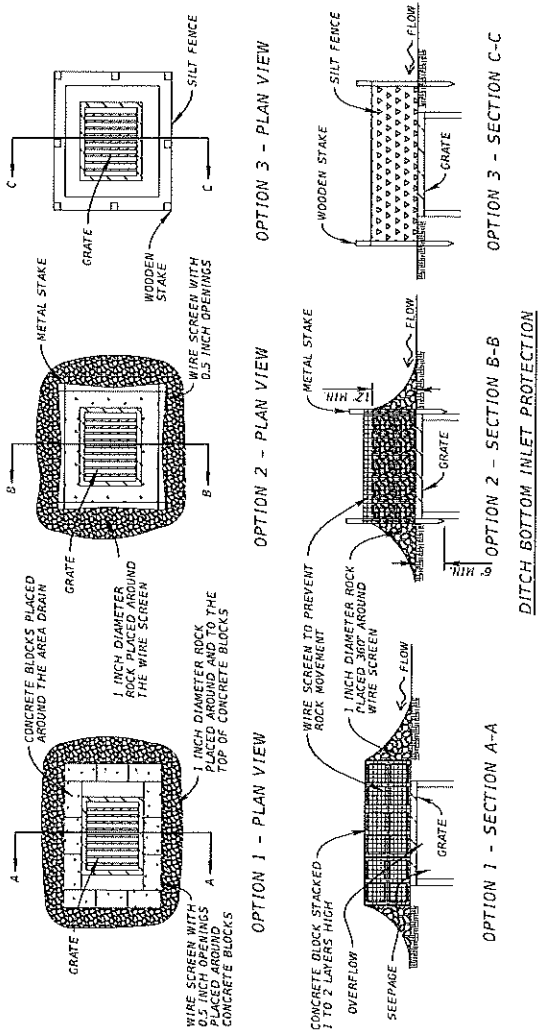
1. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED W, VH, AND VWH) ARE BASED ON LIMITED INVESTIGATIONS AND FIELD SURVEYS. THE PLANS DO NOT REPRESENT THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. IMMEDIATELY NOTIFY THE OWNER'S PROJECT MANAGER REGARDING CONFLICTS OR DISCREPANCIES ARISING DURING CONSTRUCTION.
3. ALL EXISTING AND NEW VALVES, VALVE BOXES, AN'S, FIRE HYDRANTS, AND MANHOLES SHALL BE PROTECTED AND SHALL REMAIN UNDISTURBED. THE PLANS SHALL BE RELOCATED OR ADJUSTED 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:

STORMWATER MANAGEMENT NOTES

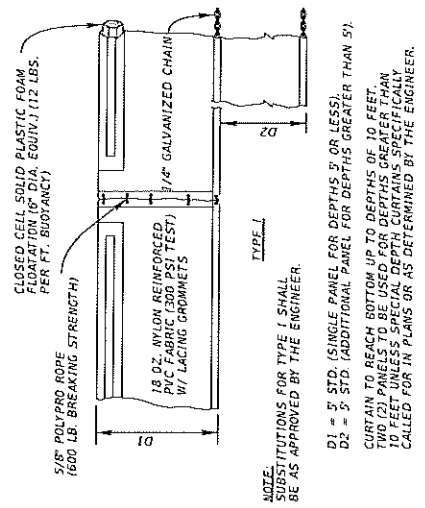
1. FOR ALL DRY PONDS, CONTRACTOR TO SCARIFY A MINIMUM OF 3 FEET BELOW ENTIRE POND BOTTOM. ANY CLAY AND HARD PAN MATERIAL FOUND MUST BE REPLACED WITH CLEAN FILL DIRT. ADD 2 INCHES OF TOPSOIL PRIOR TO FINAL GRADING WITH LIGHT MACHINERY TO ACHIEVE POND BOTTOM ELEVATION. APPLY HYDROSEED MULCH SOW ESTYRT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

COMPANY	CONTACT	TELEPHONE NUMBERS
CENTURY LINK	BRUCE MCCLOUD	(850) 599-1444
CHARLOTTE COUNTY LIGHTING	BRUCE MCCLOUD	(850) 599-1444
CHARLOTTE COUNTY UTILITIES	ANGIE A. BUELL	(917) 761-3650
CITY OF NORTH PORT UTILITIES	JENNIFER FEHRAS	(941) 240-9008
FLORIDA POWER AND LIGHT	JOSH DAVIS	(239) 253-7662
FRONTIER	JOEL BARR	(360) 586-9403
SARASOTA AND CHARLOTTE	TONI CANNON	(813) 875-1014
SAFARI	JAMES BARRA	(813) 928-6881
SEAFRONT BUSINESS	DANIELA	(813) 275-3283
SARASOTA COUNTY OFFICE	JUDY DOWLING	(813) 275-3283
TECO - PEOPLES GAS		

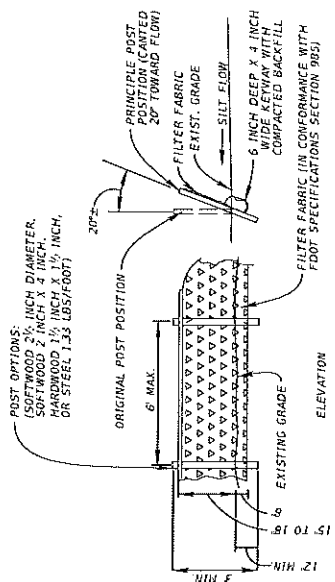
DATE		DESCRIPTION		REVISIONS		DESCRIPTION		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.		SHEET NO.	
								GARY J. MADEAU, P.E. LICENSE NUMBER 49629 1100 SECOND STREET, SUITE 900 SARASOTA, FL 34236				15	



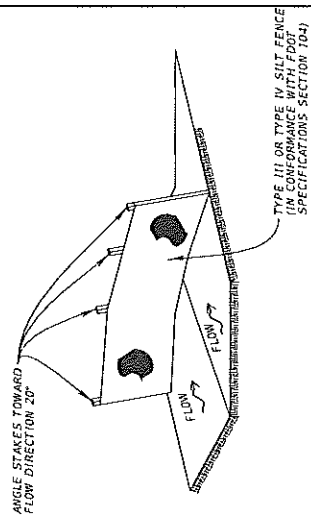
INLET PROTECTION



FLOATING TURBIDITY BARRIER DETAIL

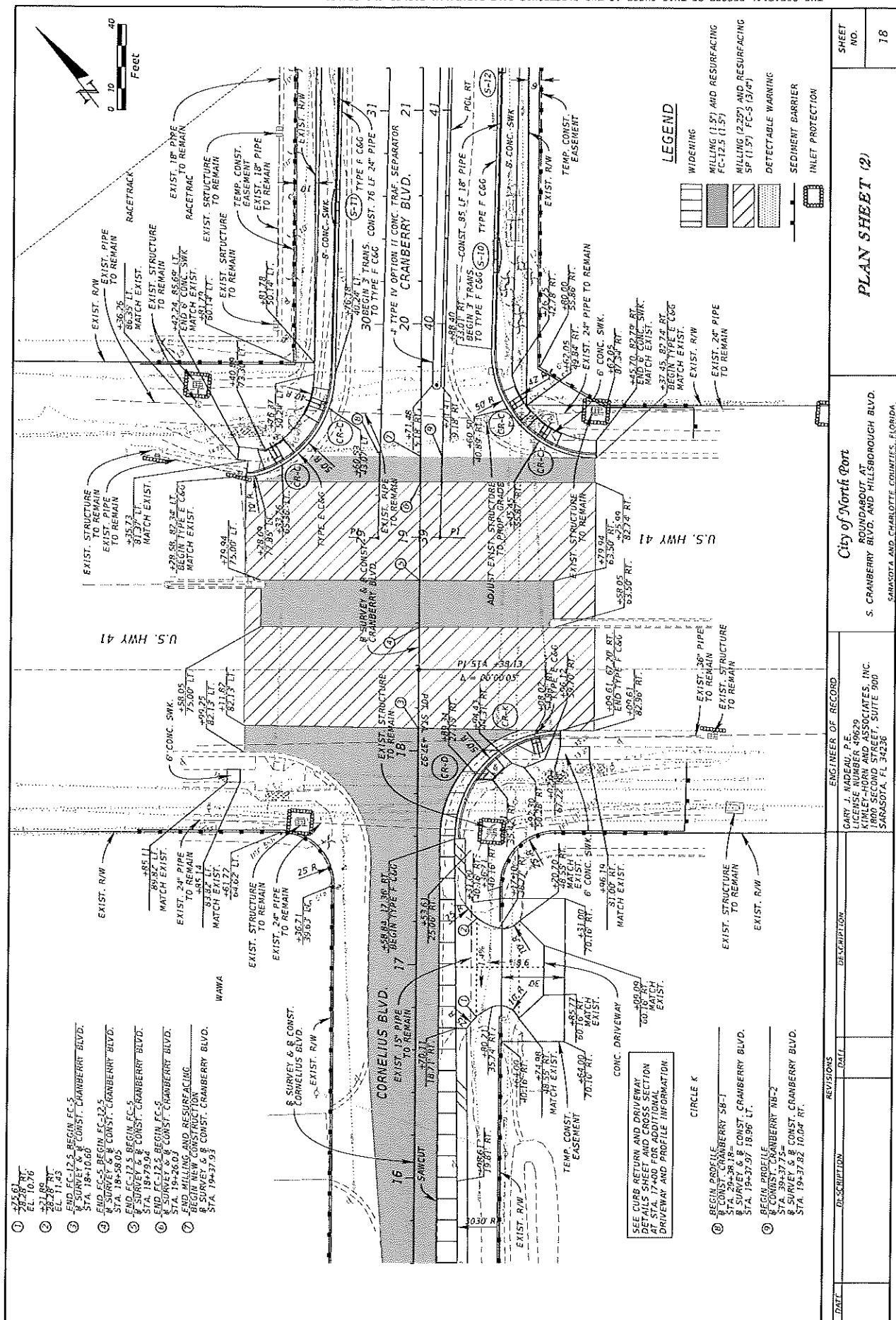


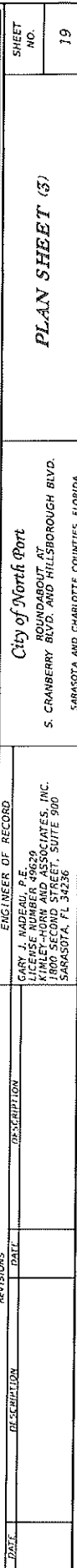
TYPE III SILT FENCE DETAIL



SILT FENCE CHECK DAM

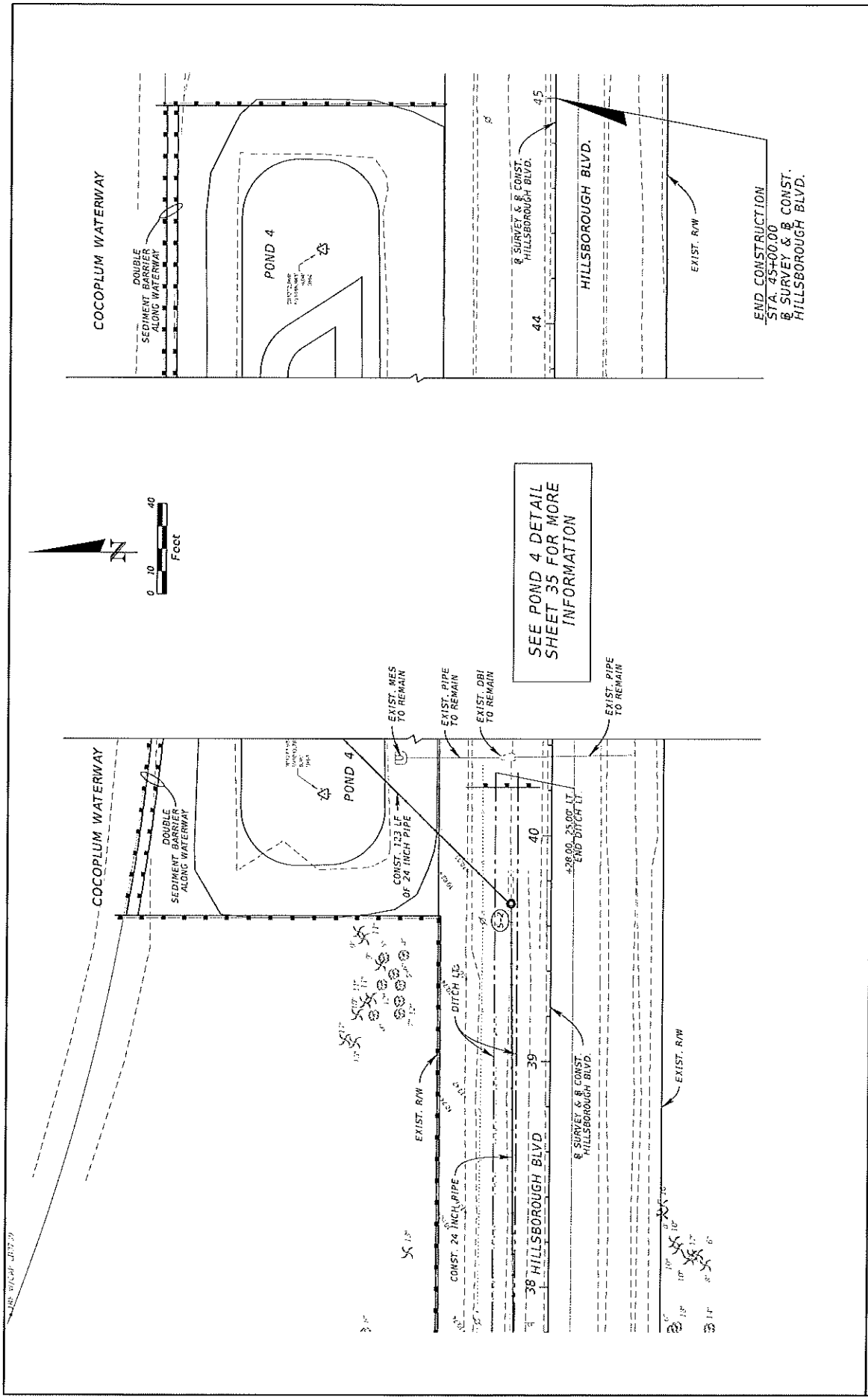
DATE		DESCRIPTION		REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		EROSION CONTROL DETAIL SHEET	SHEET NO.
						GARY J. MADEAU, P.E. KYLE JOHNSON, P.E. KYLE JOHNSON ASSOCIATES, INC. 1300 SECOND STREET, SUITE 900 SARASOTA, FL 34236					16



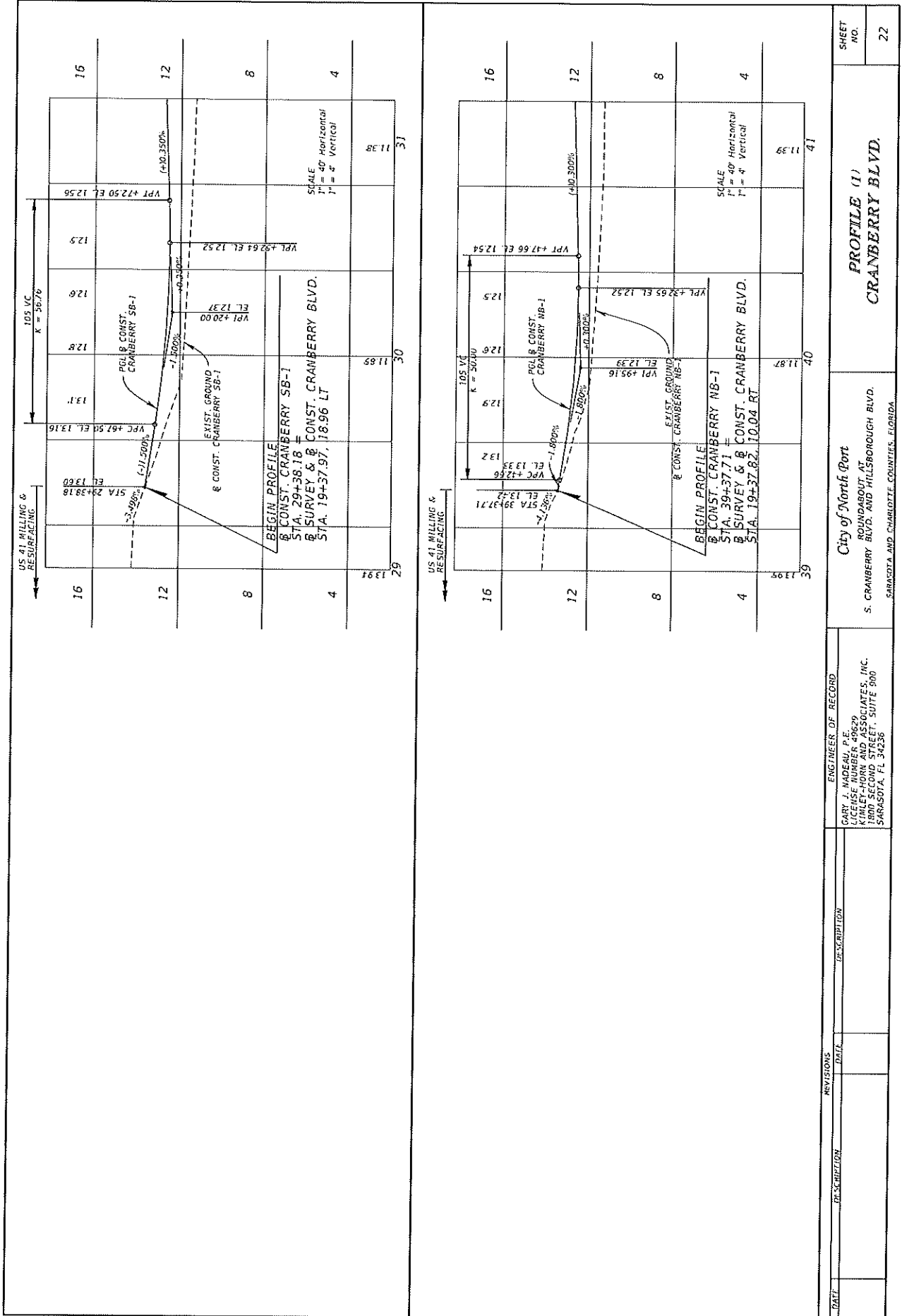


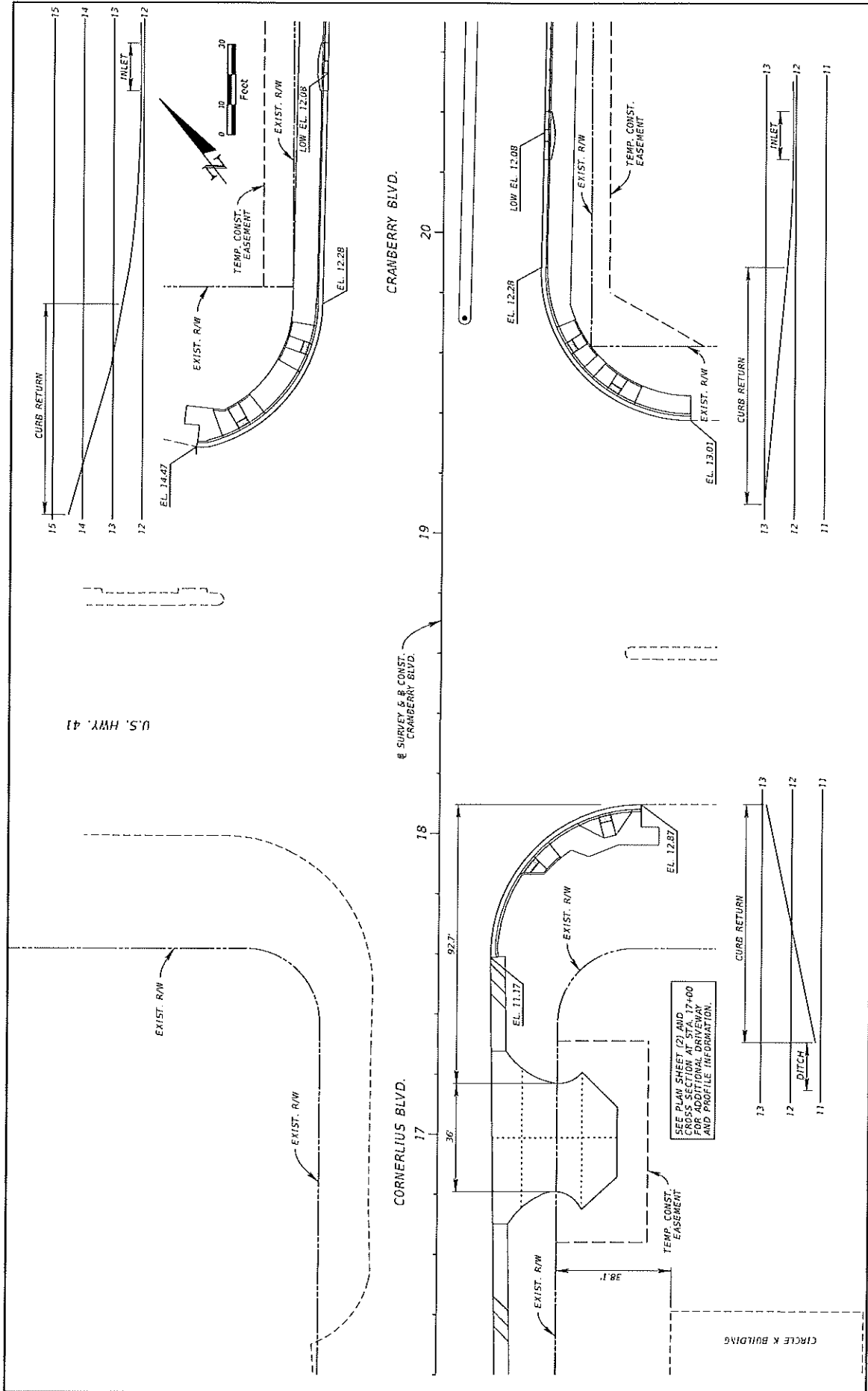
SEDIMENT BARRIER

Exhibit A, 20 of 87



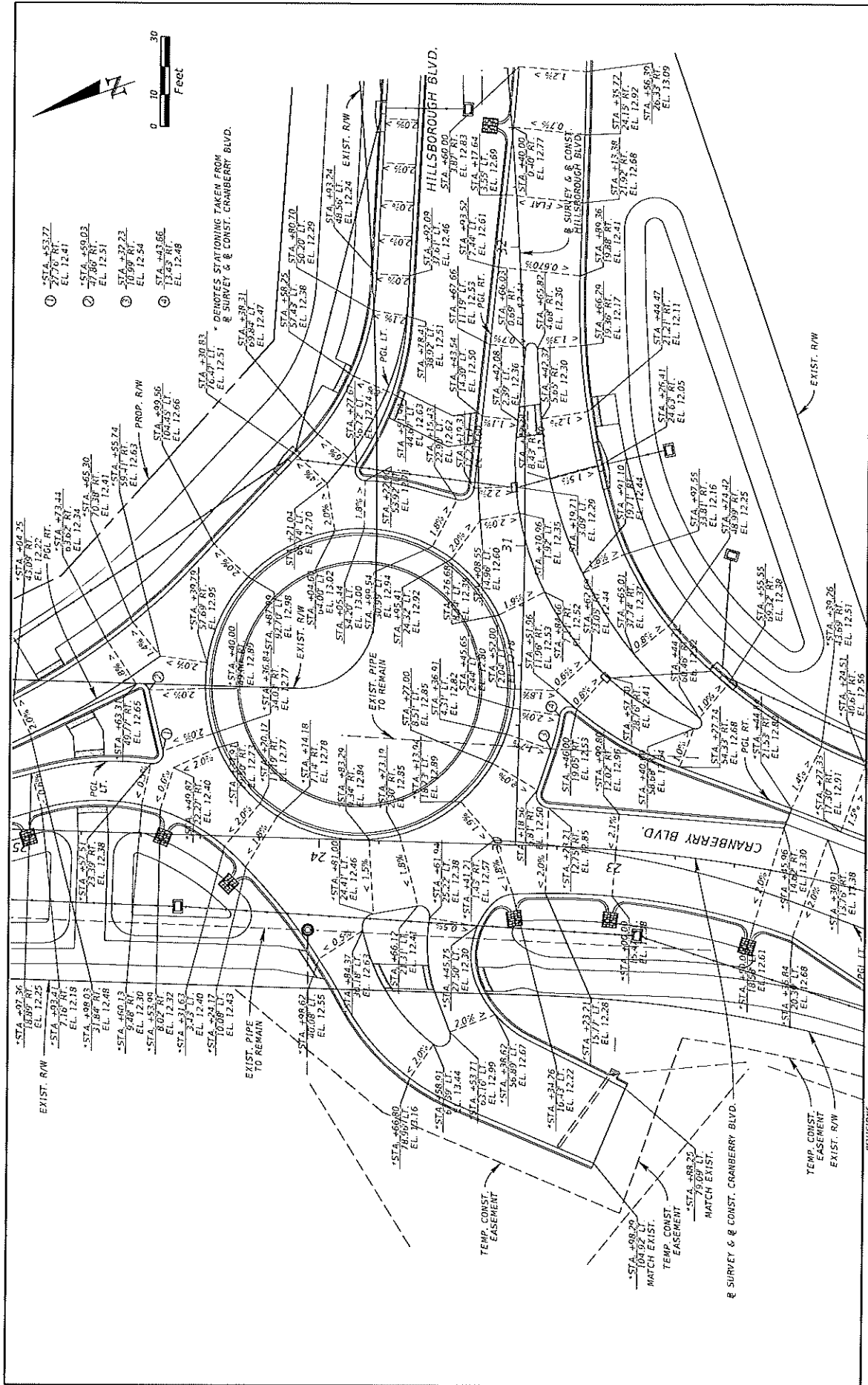
REVISIONS			DESCRIPTION	DATE	DESCRIPTION	ENGINEER OF RECORD	City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	PLAN SHEET (5)	SHEET NO.
DATE	DESCRIPTION	DATE							
						GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236			21





REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	Curb Return and Driveway Details	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
			GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KINLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236			

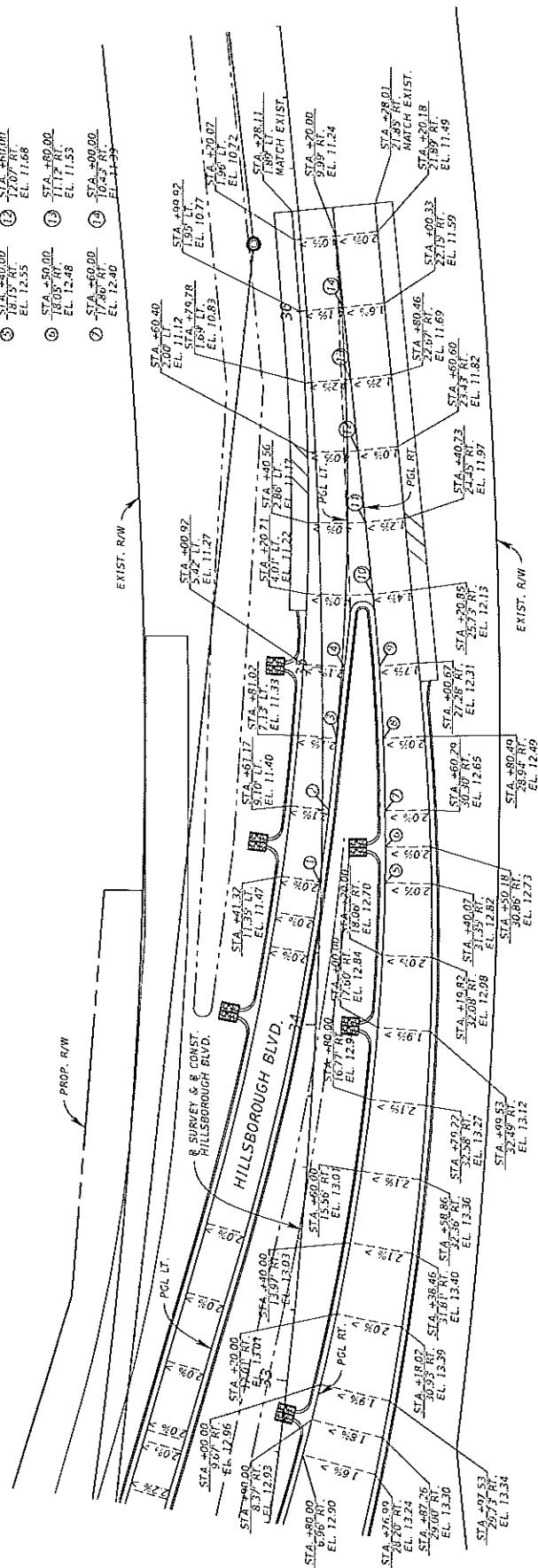
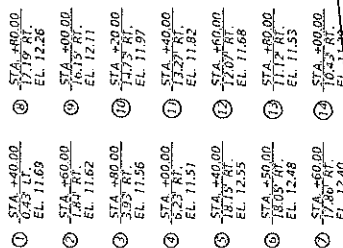
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



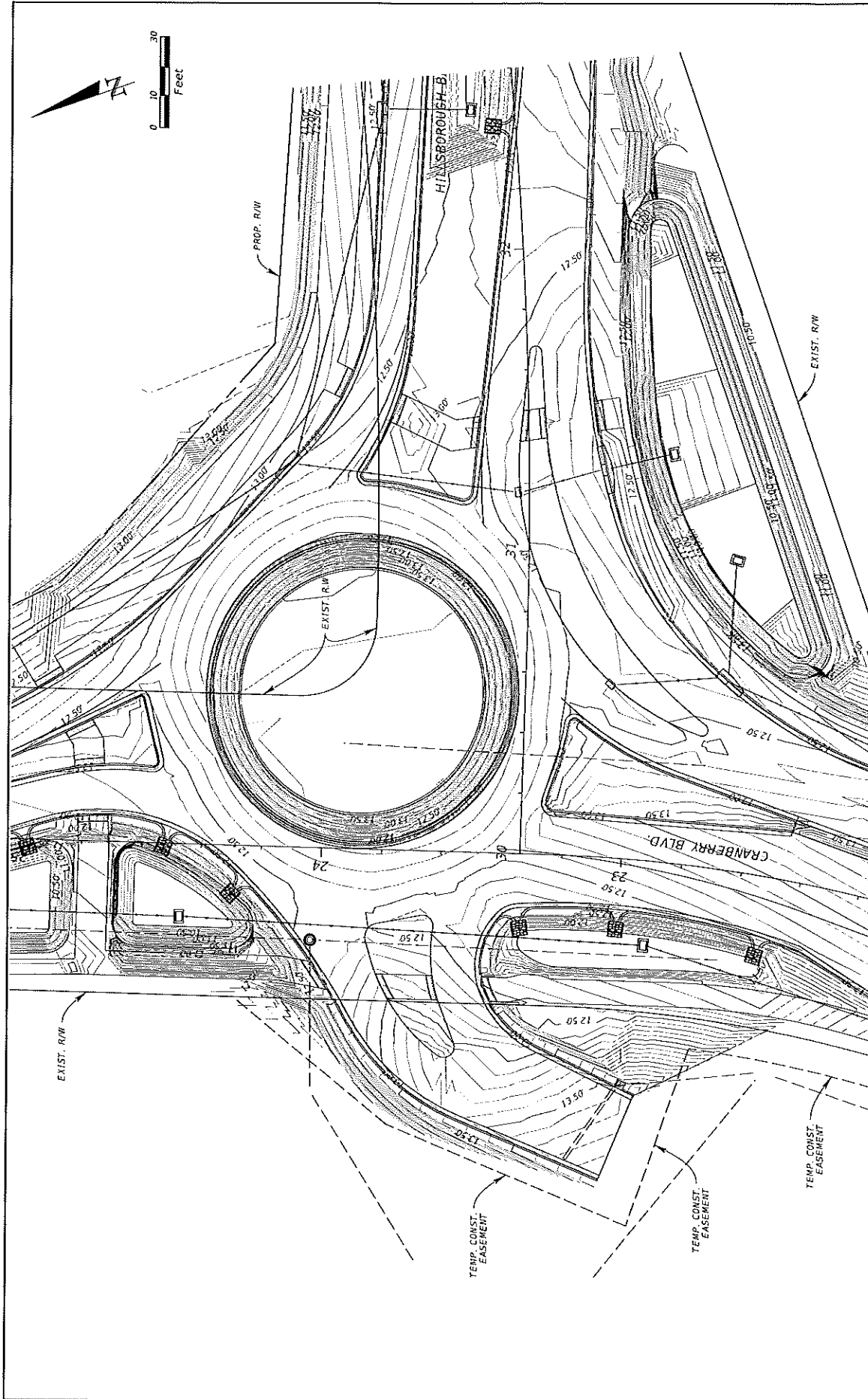
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DATE	DESCRIPTION	DATA				
			GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236			26

EXHIBIT A, 26 of 87

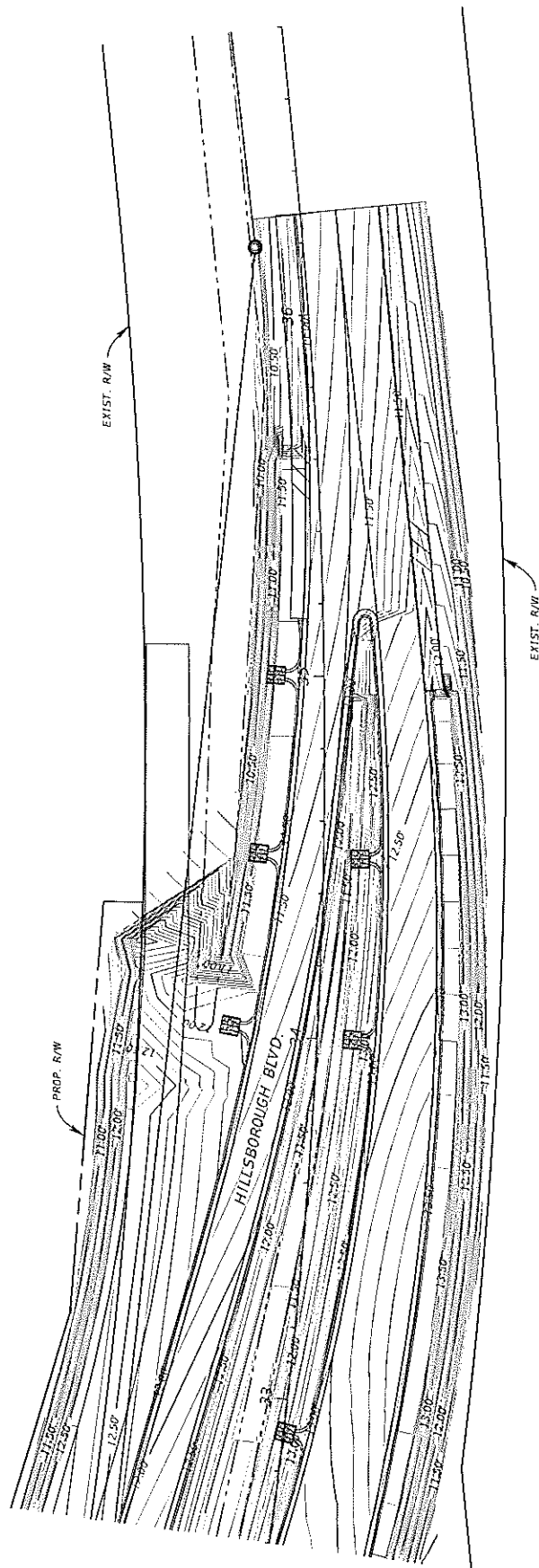
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



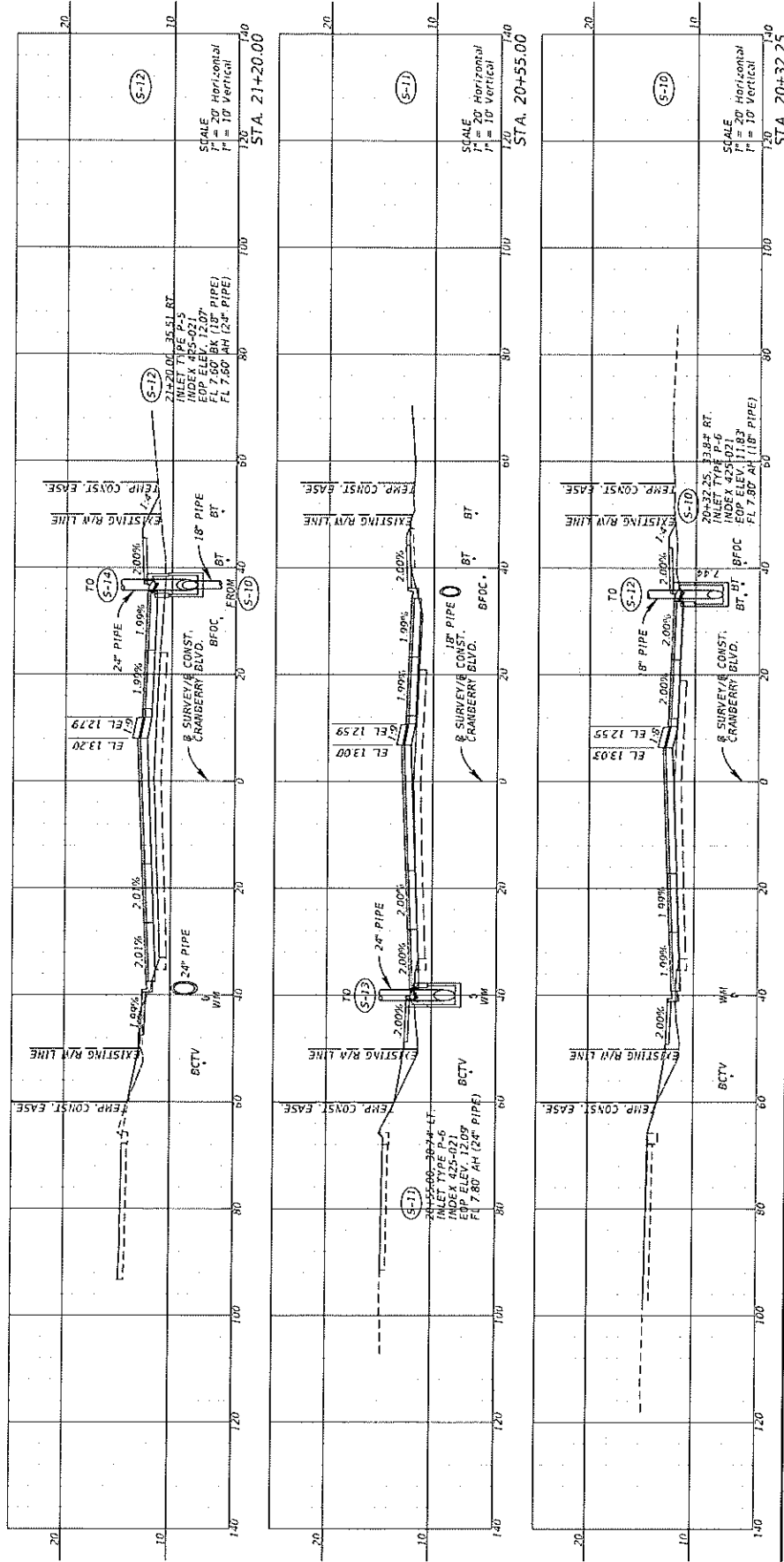
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DATE		DESCRIPTION	DATE						
						GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34235		City of North Port ROUNDABOUT AT S. CHAMBERY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	27



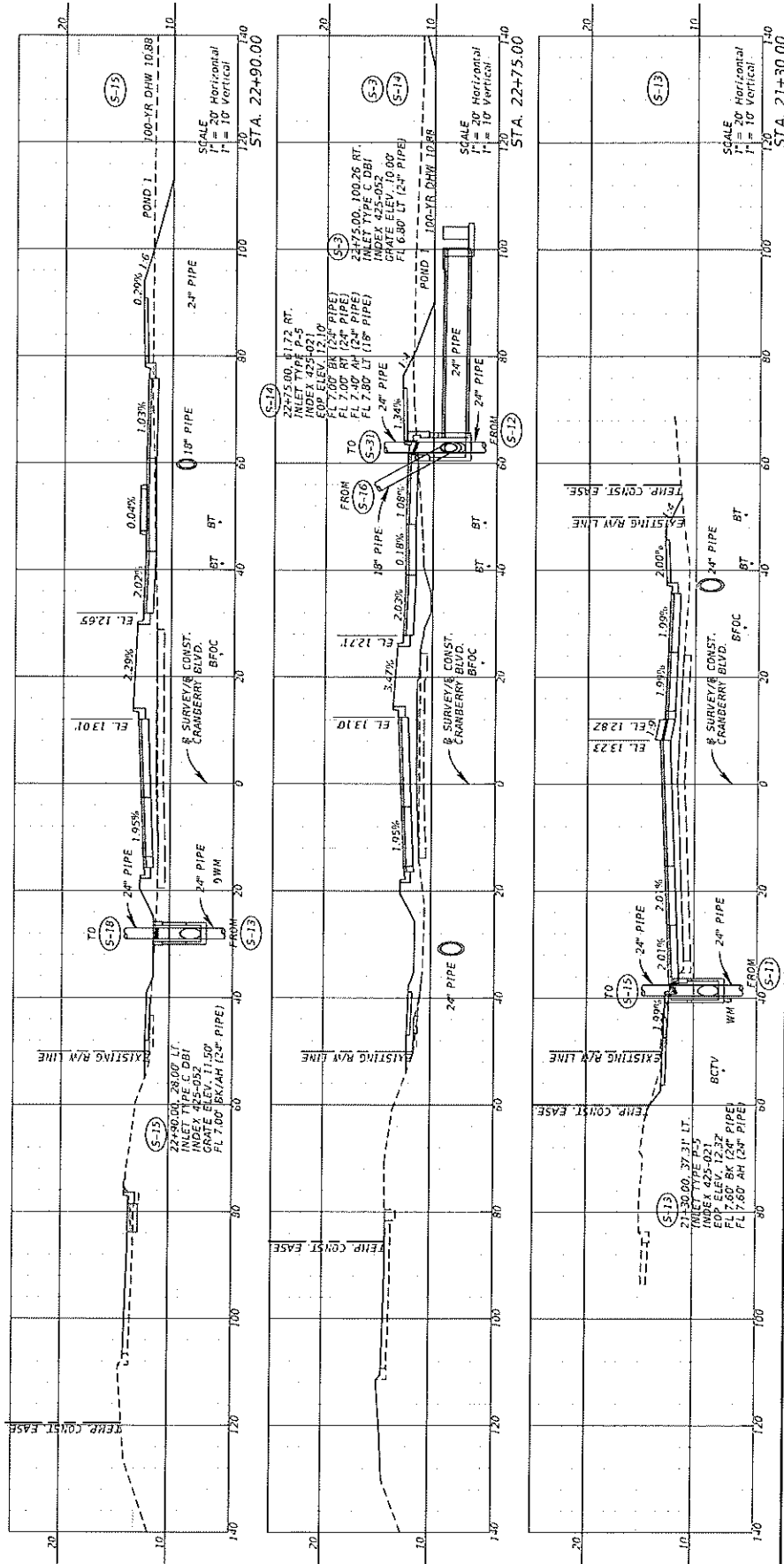
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DATE	DESCRIPTION	DATE	DESCRIPTION	ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		28	
				CONTOURS GRADING DETAIL SHEET (1)			



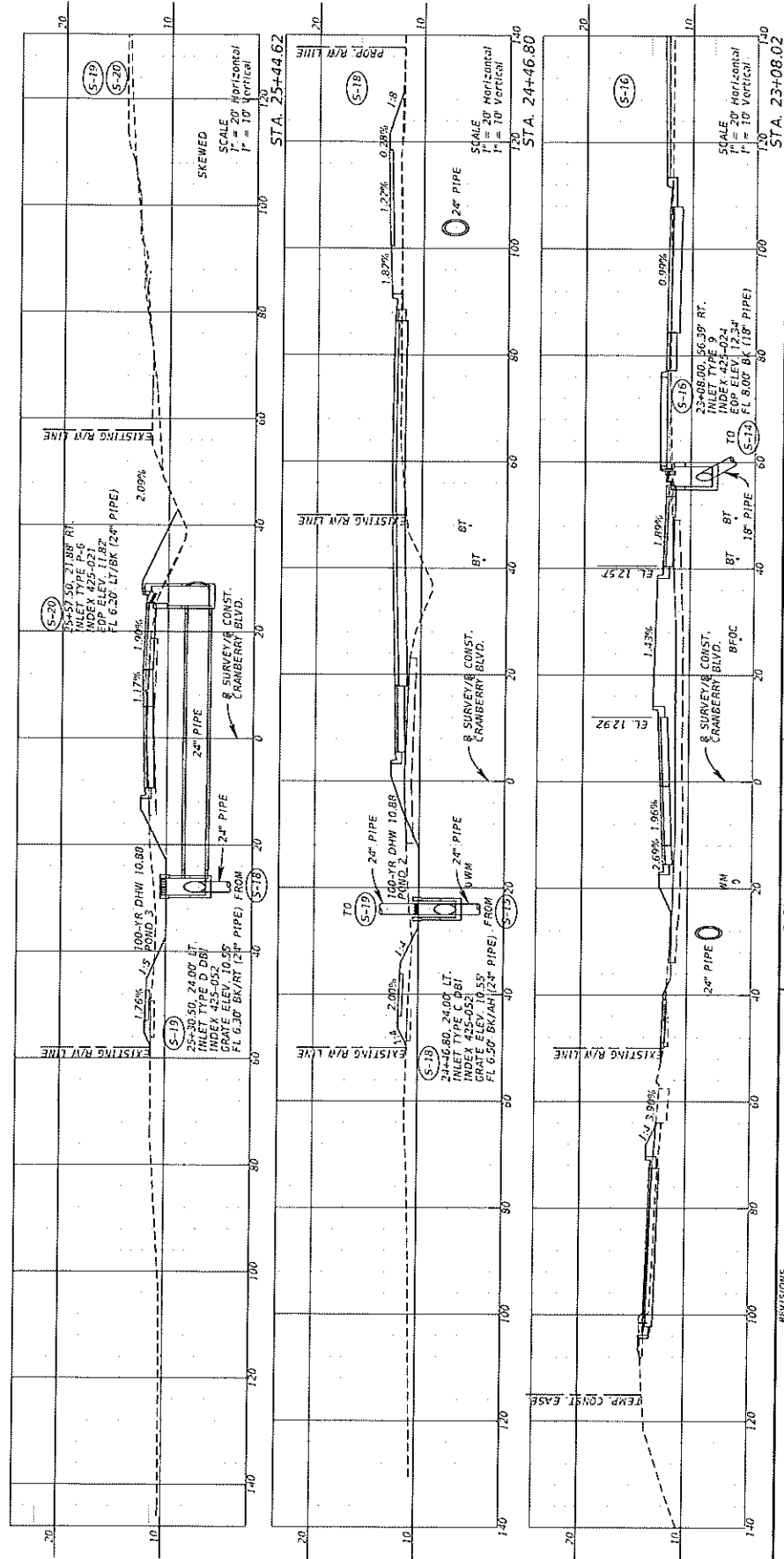
						City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.		CONTOURS GRADING DETAIL SHEET (2)		SHEET NO.
										29
										SARASOTA AND CHARLOTTE COUNTIES, FLORIDA



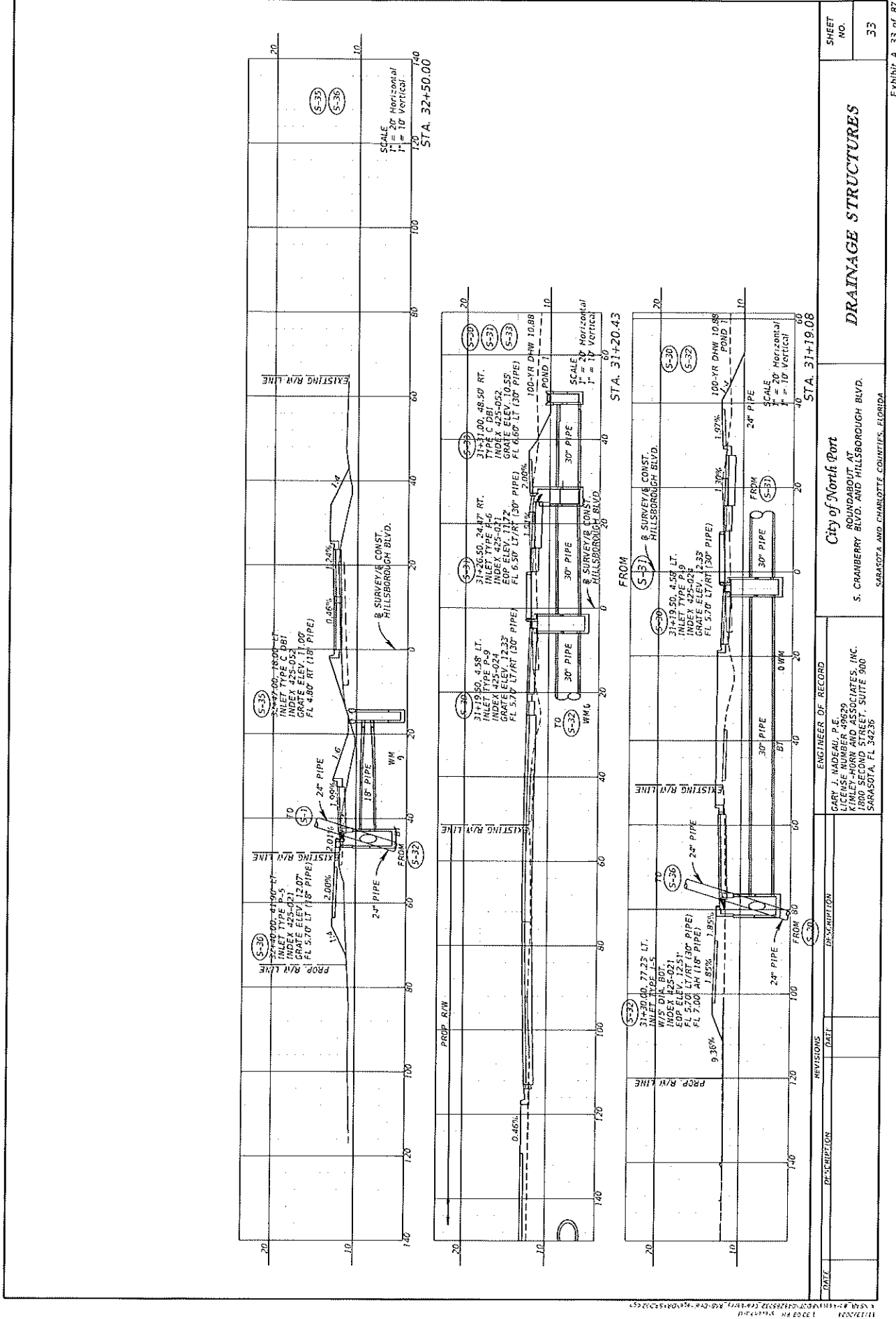
REVISIONS		ENGINEER OF RECORD		City of Norfolk Port		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.		30	
		GARY J. MADEAU, P.E.		ROUNDABOUT AT		DRAINAGE STRUCTURES	
		CHIEF ENGINEER		S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.			
		KINLEY-HORN AND ASSOCIATES, INC.		SARASOTA AND CHARLOTTE COUNTIES, FLORIDA			
		1800 SECOND STREET, SUITE 300					
		SARASOTA, FL 34236					



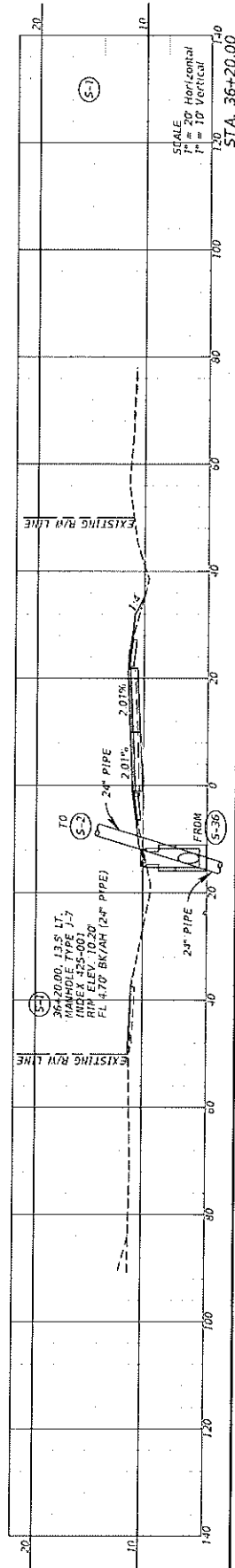
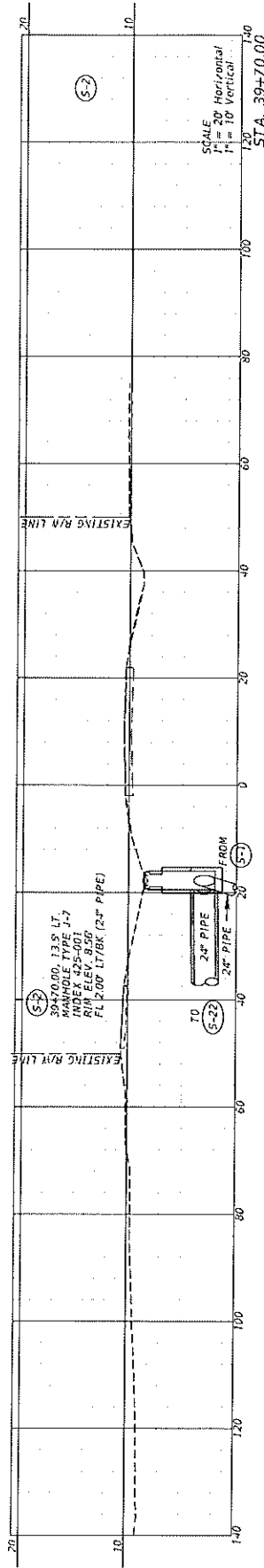
REVISIONS		ENGINEER OF RECORD		City of Norfolk Port		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.		31	
		GARY J. MADEAU, P.E. KINLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236		SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		DRAINAGE STRUCTURES	



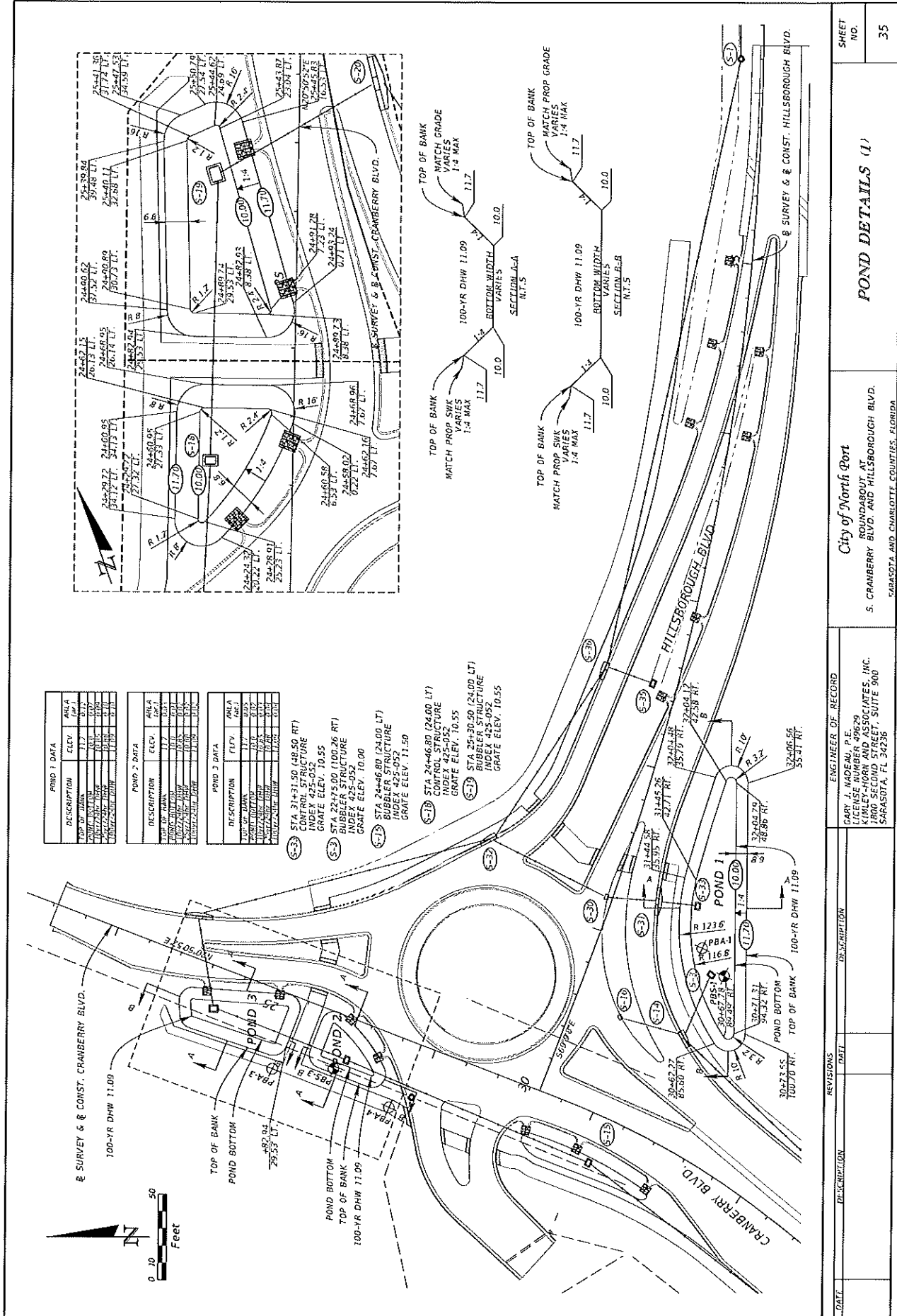
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										ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.				32	
										GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236					

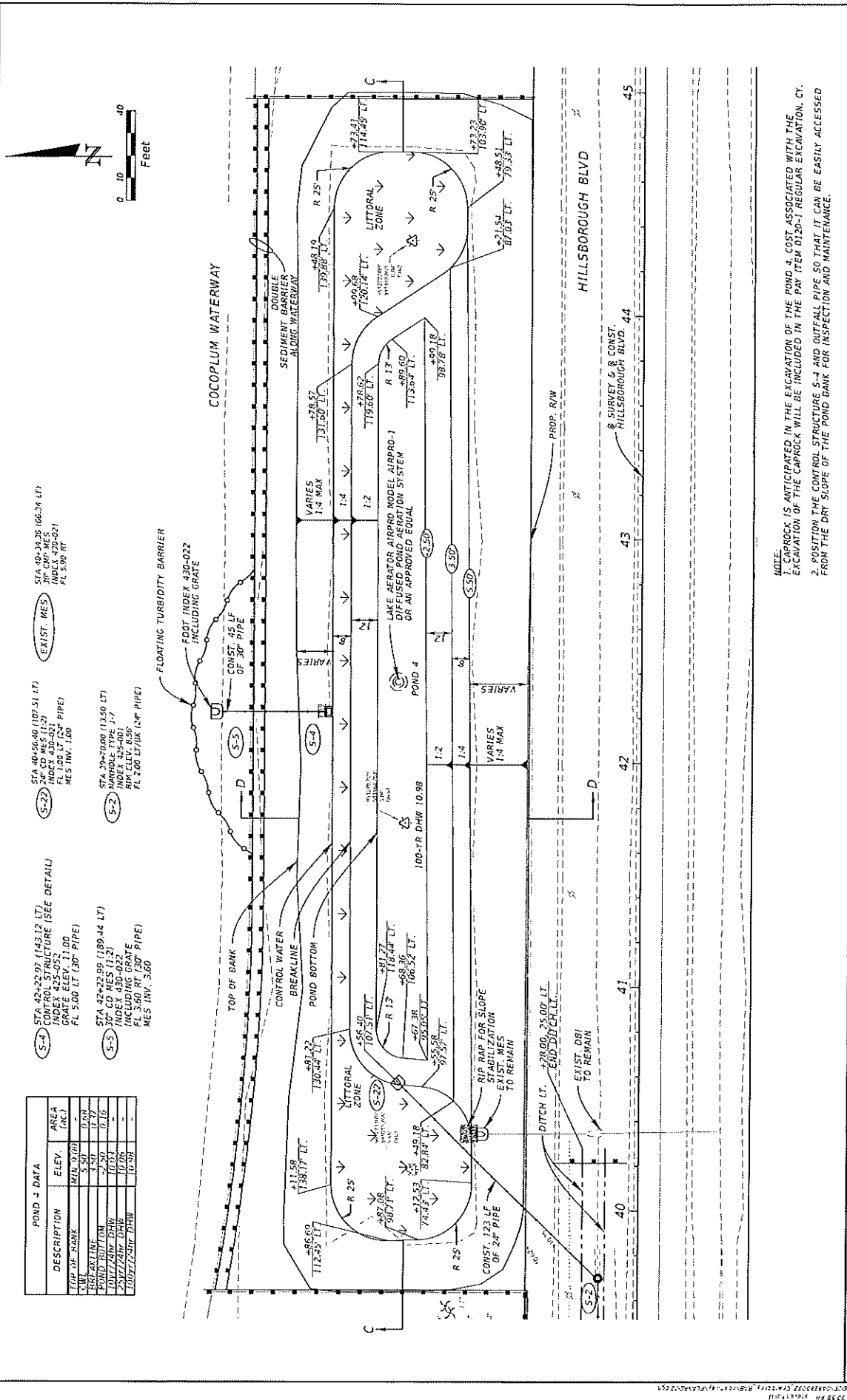


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DATE	DESCRIPTION	DATE	BY	S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.		33			
				SARASOTA AND CHARLOTTE COUNTIES, FLORIDA					
				CARY J. VADEAU, P.E. 6230					
				KIMLEY-HORN AND ASSOCIATES, INC.					
				1800 SECOND STREET, SUITE 300					
				SARASOTA, FL 34236					



REVISIONS		ENGINEER OF RECORD		City of North Port		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		34	
				DRAINAGE STRUCTURES			



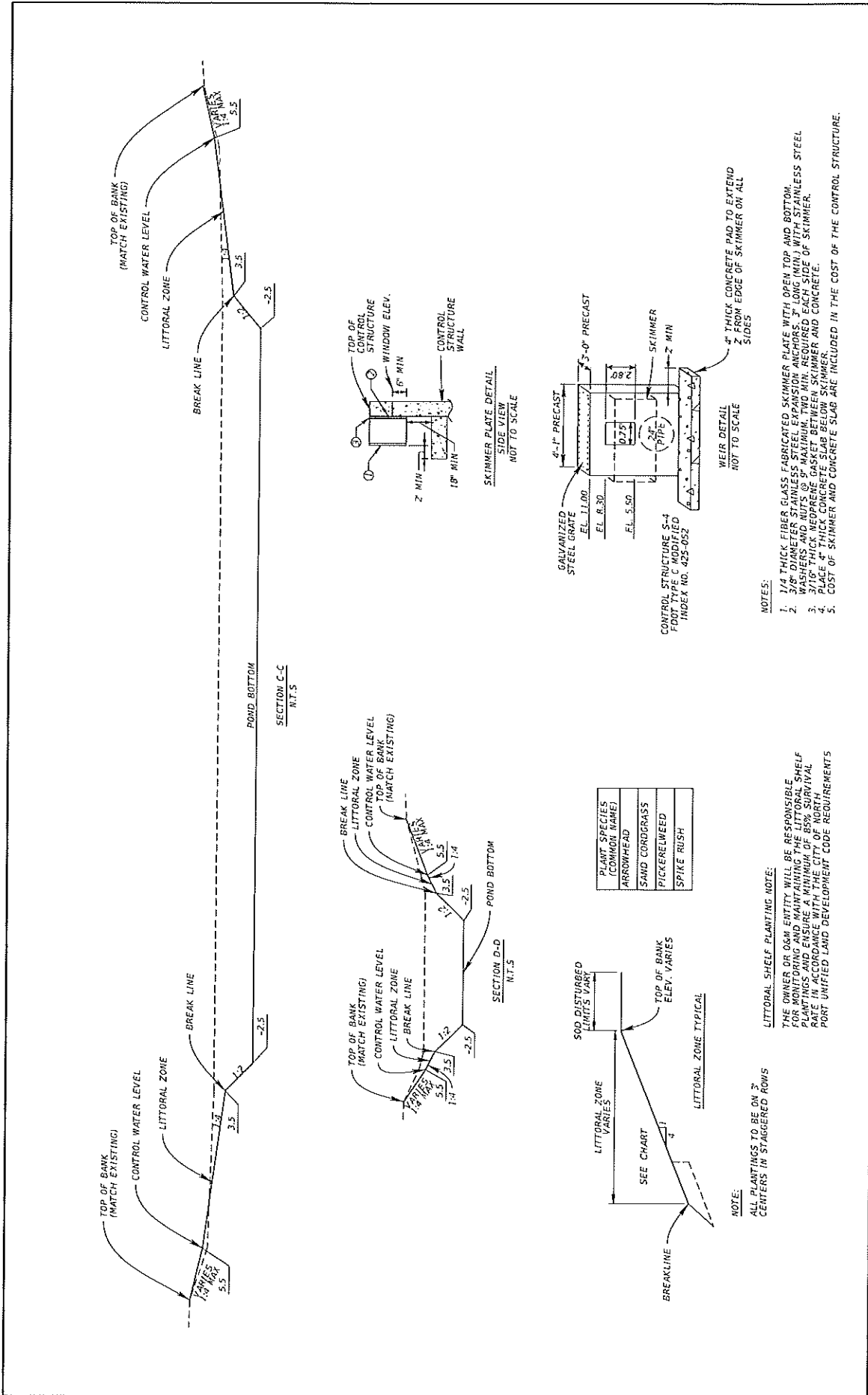


POND 4 DATA			
DESCRIPTION	ELEV.	AREA	(AC)
TOP OF BANK	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00
WATER LINE	112.50	0.00	0.00

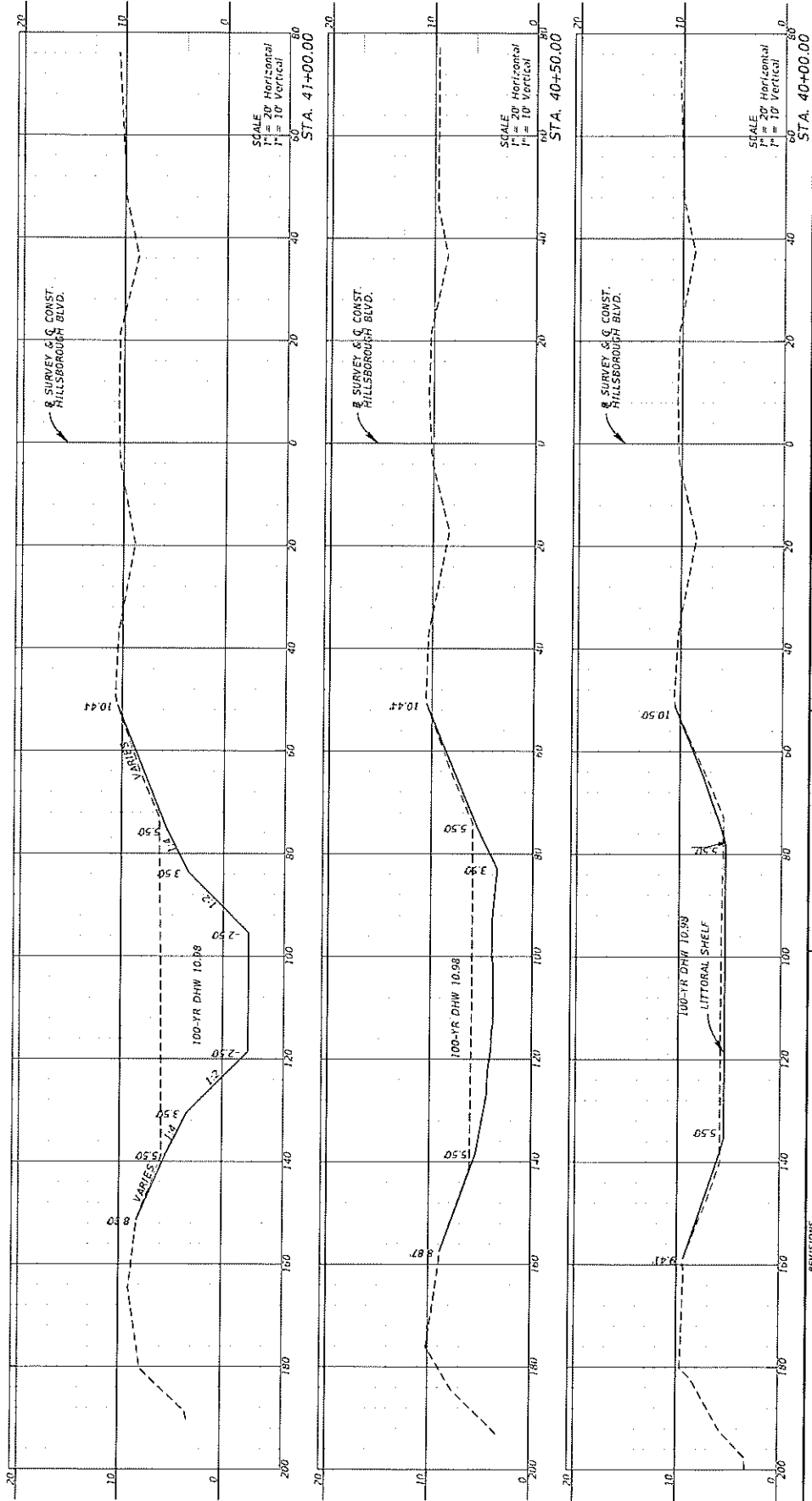
- (S-4) STA 42+22.97 (143.12 LT)
INDEX 425-052
GRATE ELEV. 1.00
FL 3.00 LT (30" PIPE)
- (S-5) STA 42+22.99 (143.14 LT)
INDEX 430-022
INCLUDING GRATE
FL 3.40 RT (30" PIPE)
MES INV. 3.60
- (S-22) STA 40+56.40 (107.51 LT)
24" CD MES (12")
INDEX 430-021
FL 3.90 RT
- (S-23) STA 39+70.00 (113.50 LT)
24" CD MES (12")
INDEX 430-001
FL 3.90 RT (24" PIPE)
MES INV. 1.00
- (S-24) STA 42+22.99 (143.14 LT)
INDEX 430-022
INCLUDING GRATE
FL 3.40 RT (30" PIPE)
MES INV. 3.60

NOTE:
1. CARP ROCK IS ANTICIPATED IN THE EXCAVATION OF THE POND 4. COST ASSOCIATED WITH THE EXCAVATION OF THE CARP ROCK WILL BE INCLUDED IN THE PAY ITEM 0120-1 REGULAR EXCAVATION, CY.
2. POSITION THE CONTROL STRUCTURE S-4 AND OUTFALL PIPE SO THAT IT CAN BE EASILY ACCESSSED FROM THE DRY SLOPE OF THE POND BANK FOR INSPECTION AND MAINTENANCE.

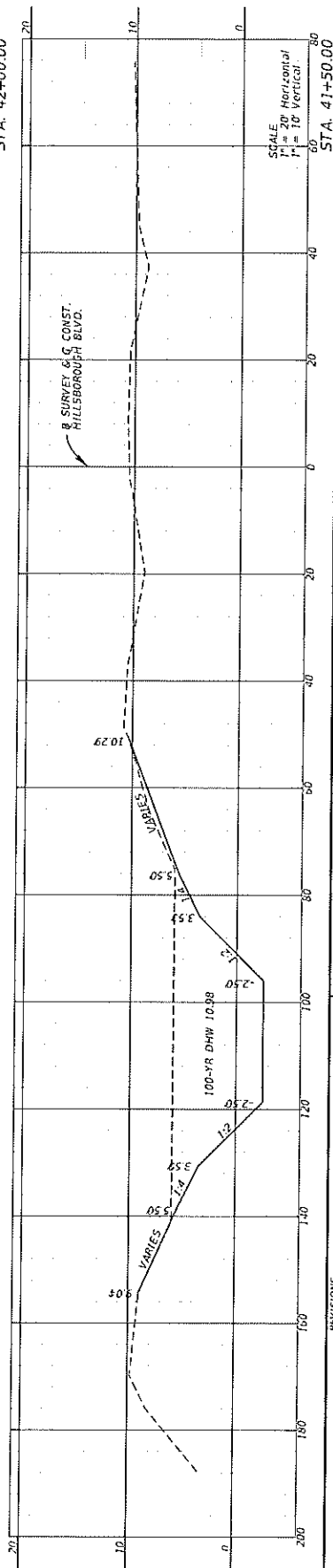
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ENGINEER OF RECORD	City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.	POND 4 DETAILS (1)	SHEET NO. 36
11/10/2024	1:30 PM	11/10/2024	1:30 PM	11/10/2024	1:30 PM	11/10/2024	1:30 PM	11/10/2024

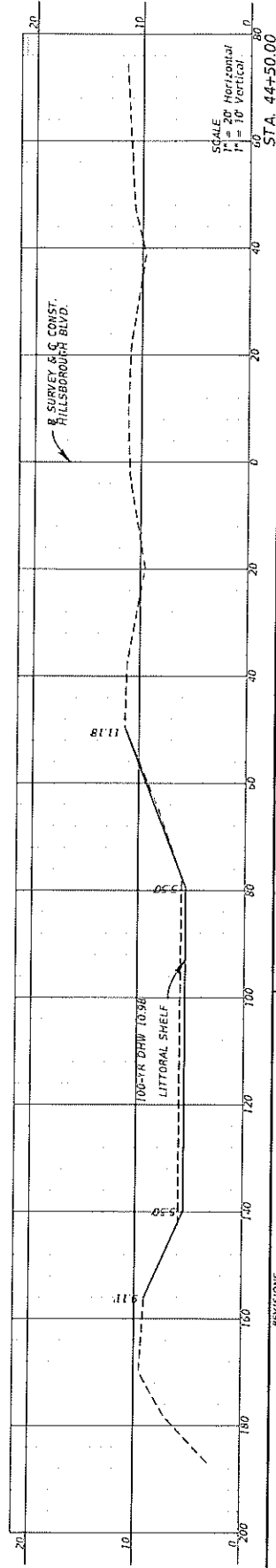


REVISIONS		ENGINEER OF RECORD	
DATE	DESCRIPTION	DATE	DESCRIPTION
		DAN J. VADEAU, P.E.	
		11/19/2021	
		KIMLEY-HORN AND ASSOCIATES, INC.	
		1800 SECOND STREET, SUITE 900	
		SARASOTA, FL 34236	

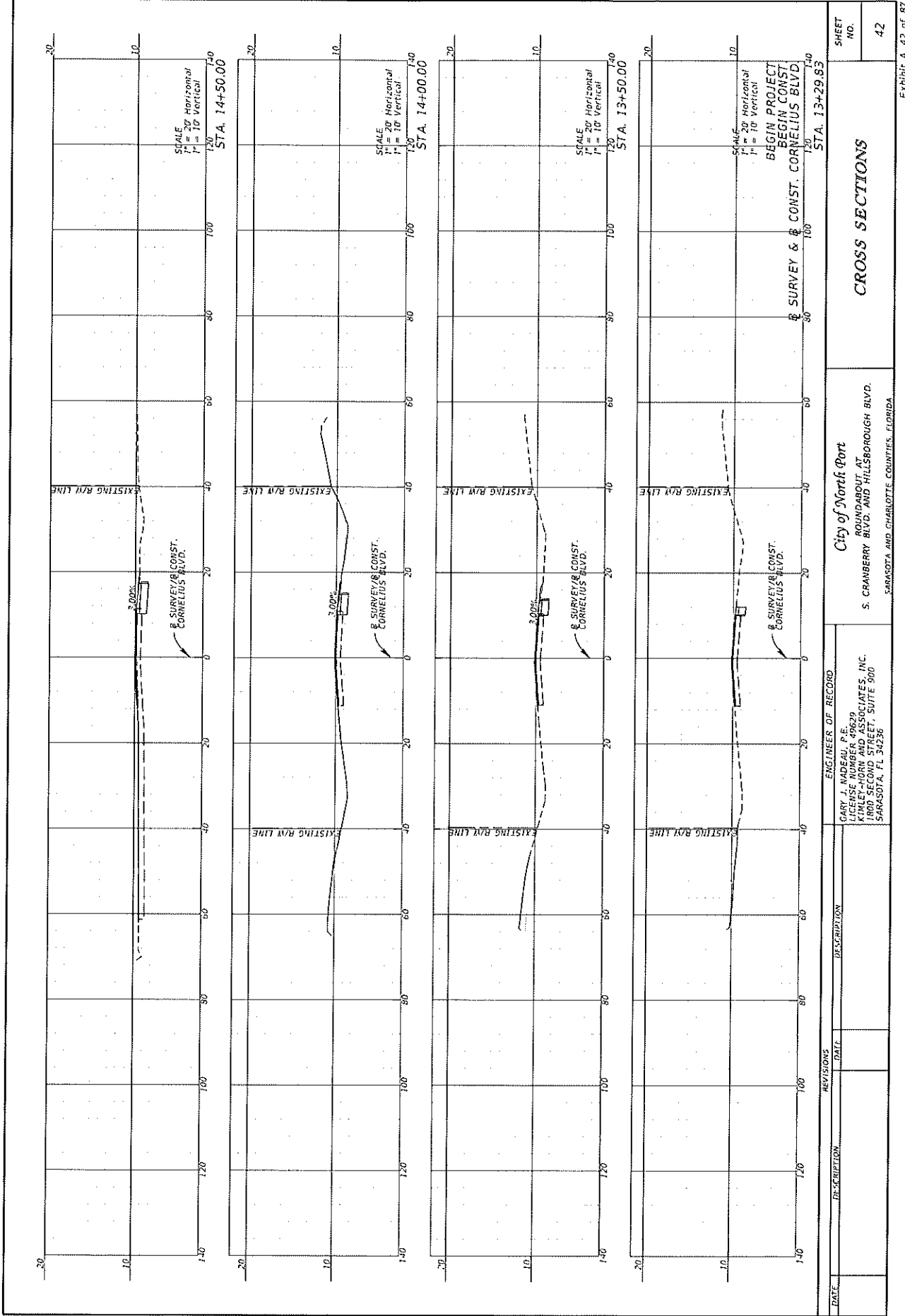


REVISIONS		ENGINEER OF RECORD		City of North Port		POND 4 CROSS SECTIONS		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA				38	
		GARY J. VADALIA, P.E. CIVIL ENGINEER KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND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

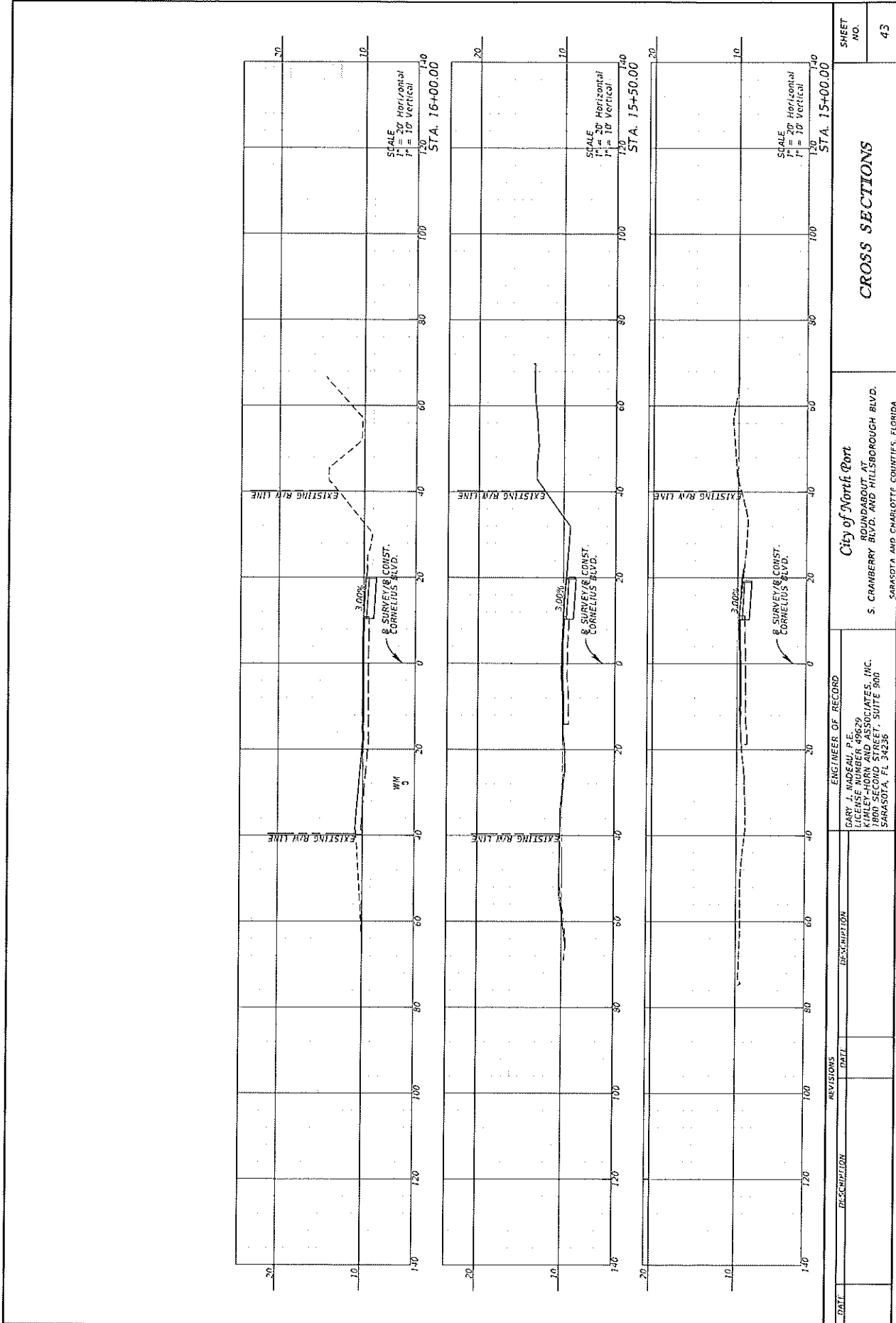
Exhibit A, 39 of 87



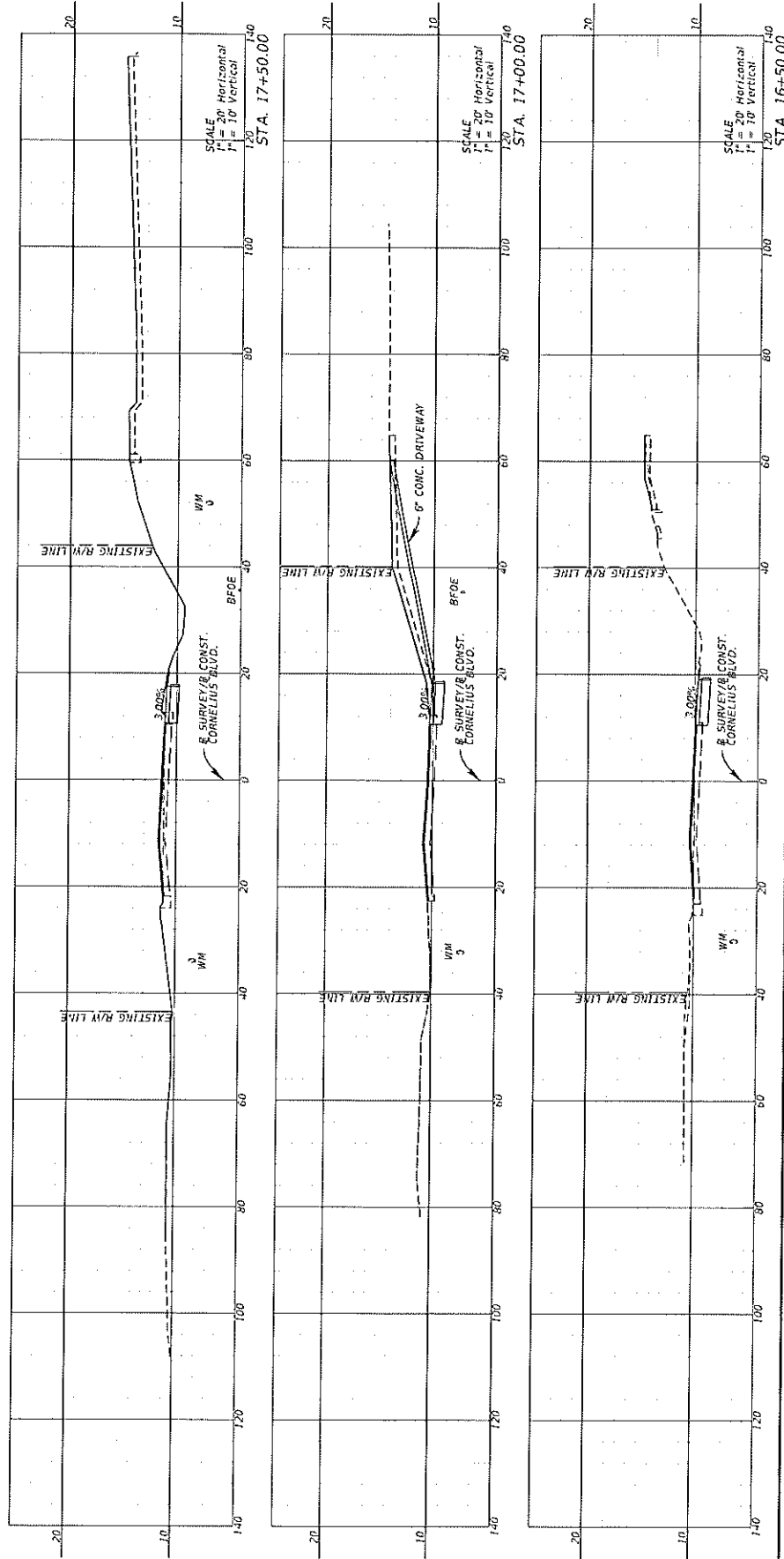
REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	POND 4 CROSS SECTIONS	SHEET NO. 41
DATE	DESCRIPTION	DATE	DESCRIPTION			
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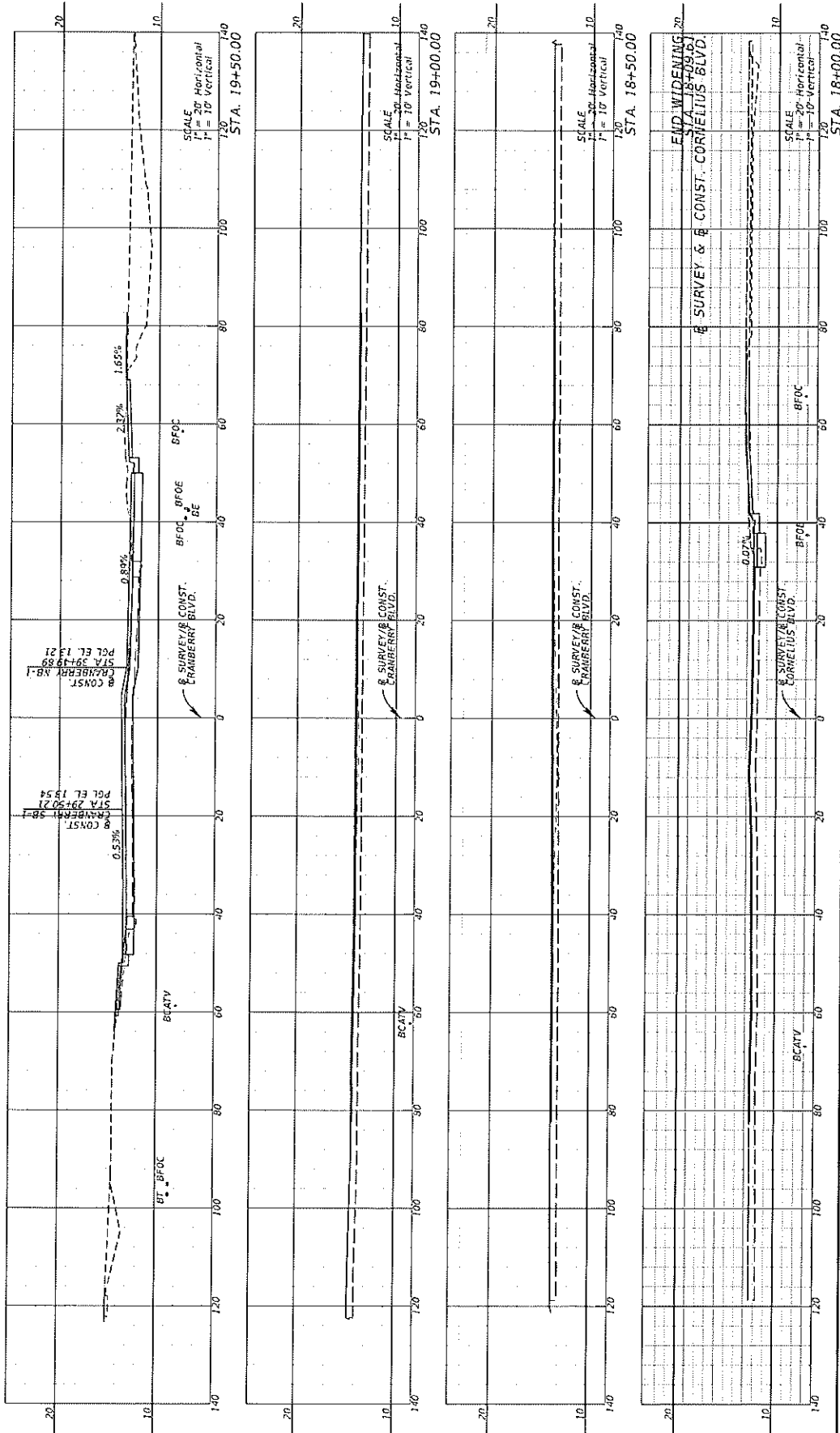
REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	CROSS SECTIONS	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION			
			GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236			



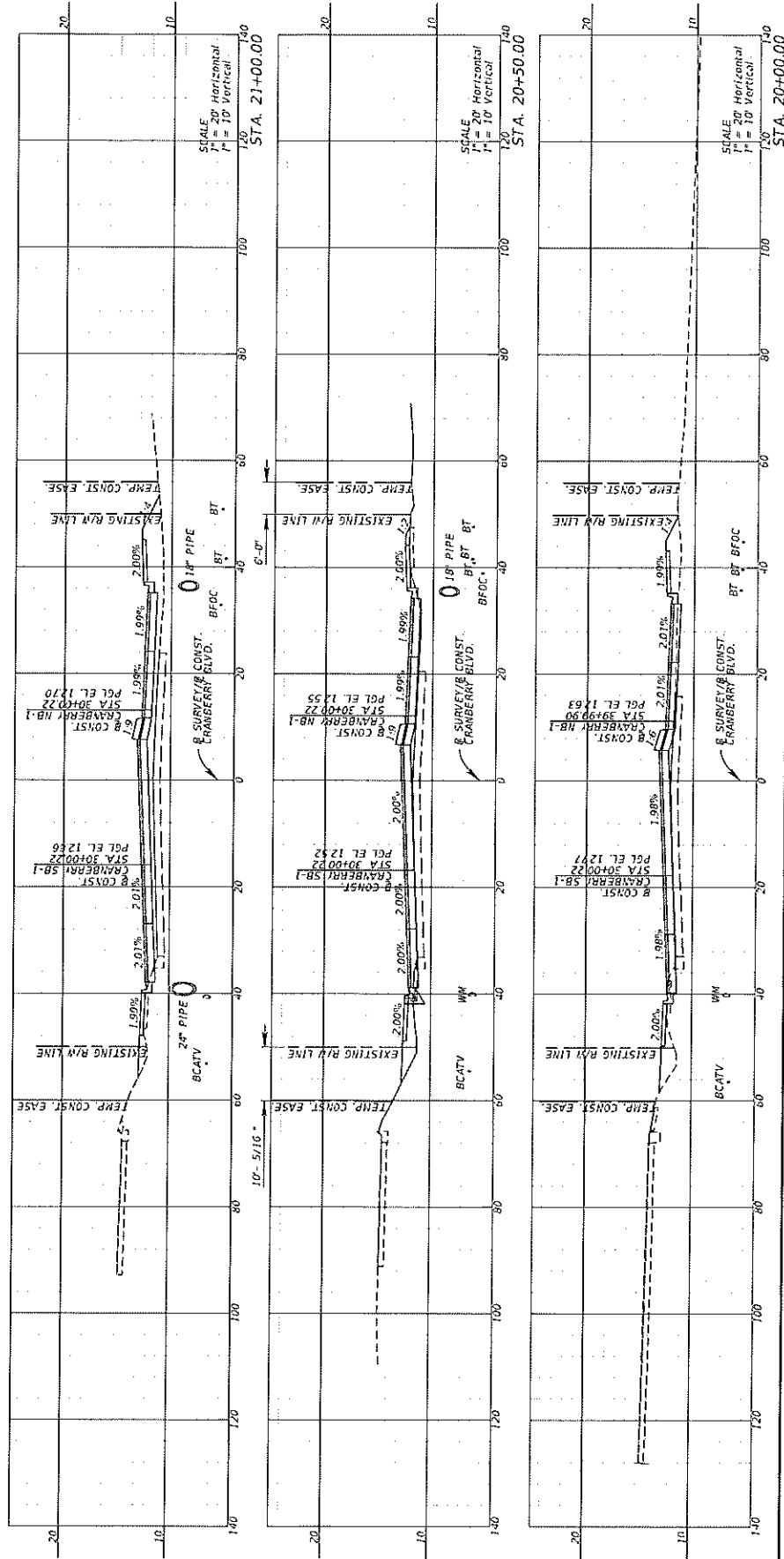
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DATE	DESCRIPTION	DATE	DESCRIPTION	ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA				43	
		GARY J. VADEAU, P.E. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236							



REVISIONS		DESCRIPTION		DATE	
NO.	DATE	DESCRIPTION	DATE	NO.	DATE
CROSS SECTIONS					
City of North Port			SHEET NO.		
ROUNDABOUT AT			44		
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.			Exhibit A, 44 of 87		
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA					
ENGINEER OF RECORD					
CARY J. VADEAU, P.E.					
1800 SECOND STREET, SUITE 900					
SARASOTA, FL 34236					
KIMLEY-HORN AND ASSOCIATES, INC.					
1800 SECOND STREET, SUITE 900					
SARASOTA, FL 34236					



REVISIONS		ENGINEER OF RECORD		City of North Port	CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
			GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 300 SARASOTA, FL 34236	ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		45



ENGINEER OF RECORD

GARY J. NADEAU, P.E.
LICENSE NUMBER 49629
KIMLEY-HORN AND ASSOCIATES, INC.
1800 SECOND STREET, SUITE 900
SARASOTA, FL 34235

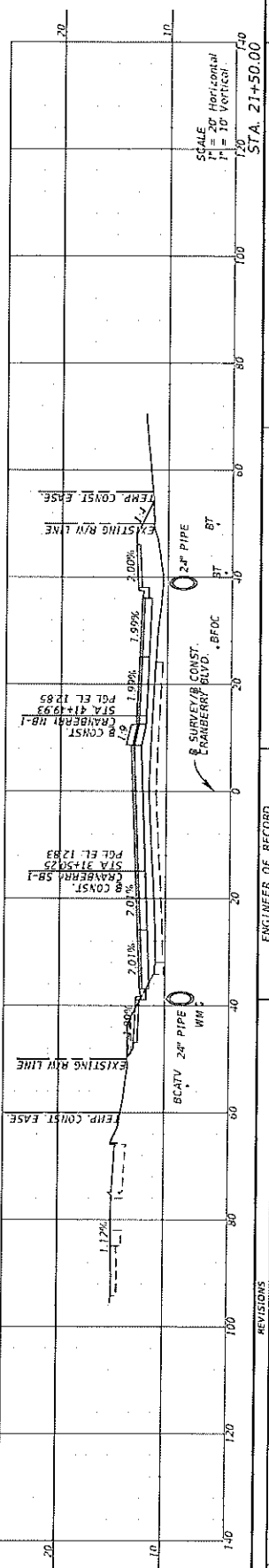
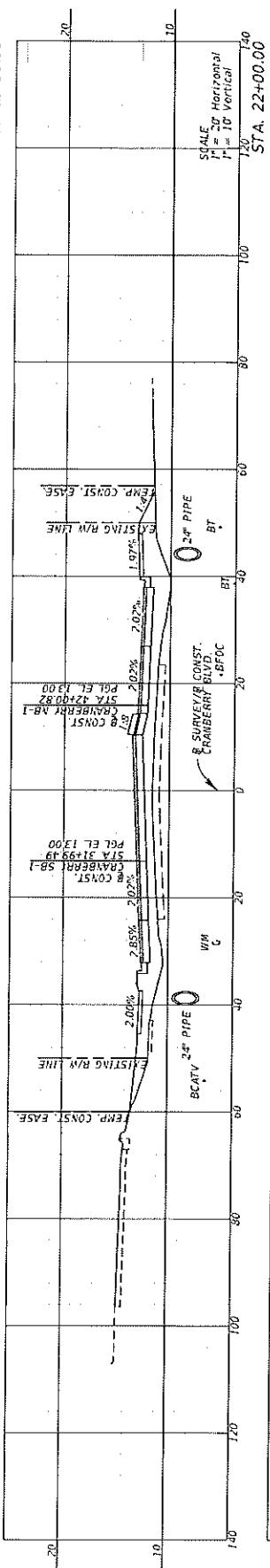
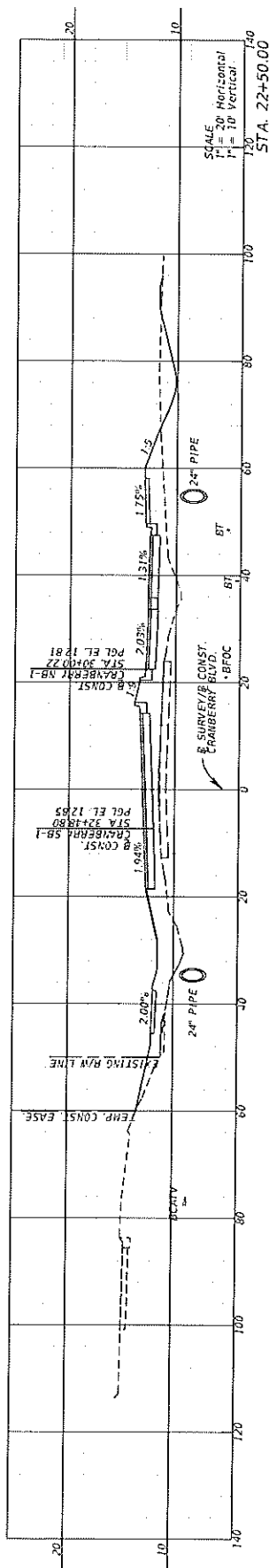
City of North Port

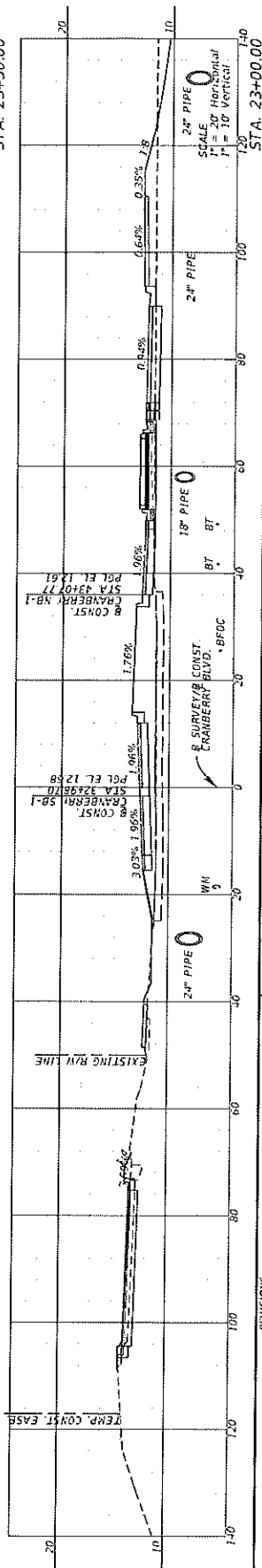
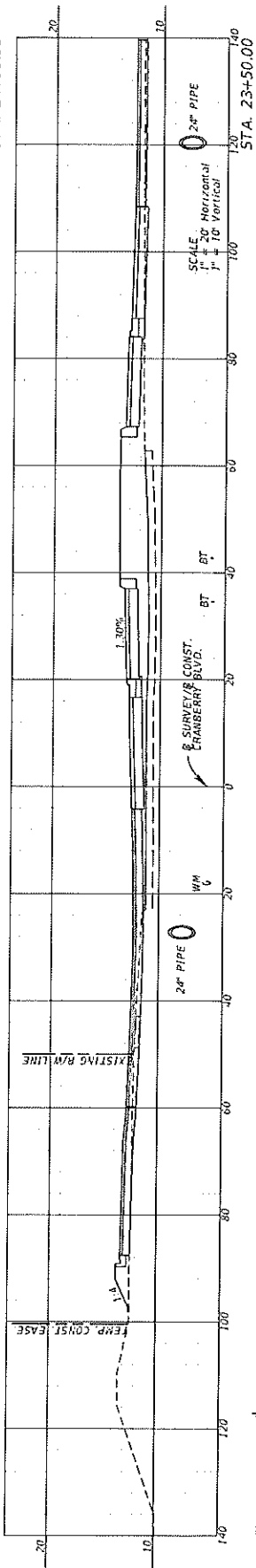
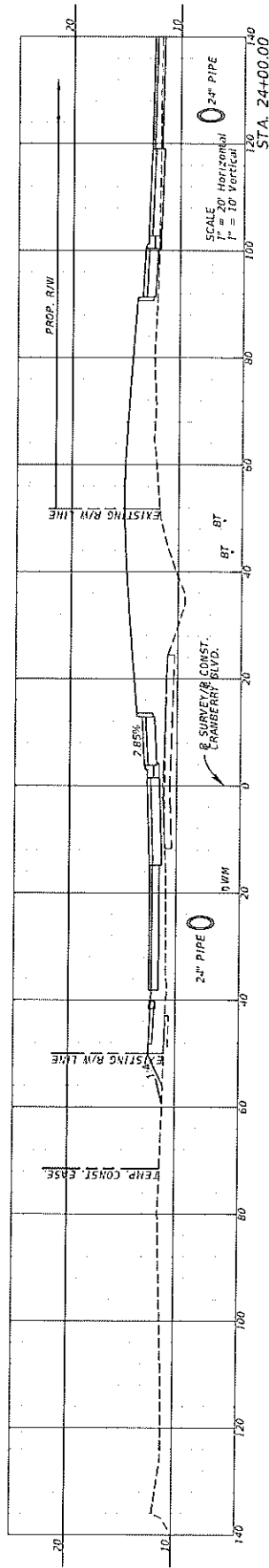
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.
ROUNDABOUT AT
SARASOTA AND CHARLOTTE COUNTIES, FLORIDA

CROSS SECTIONS

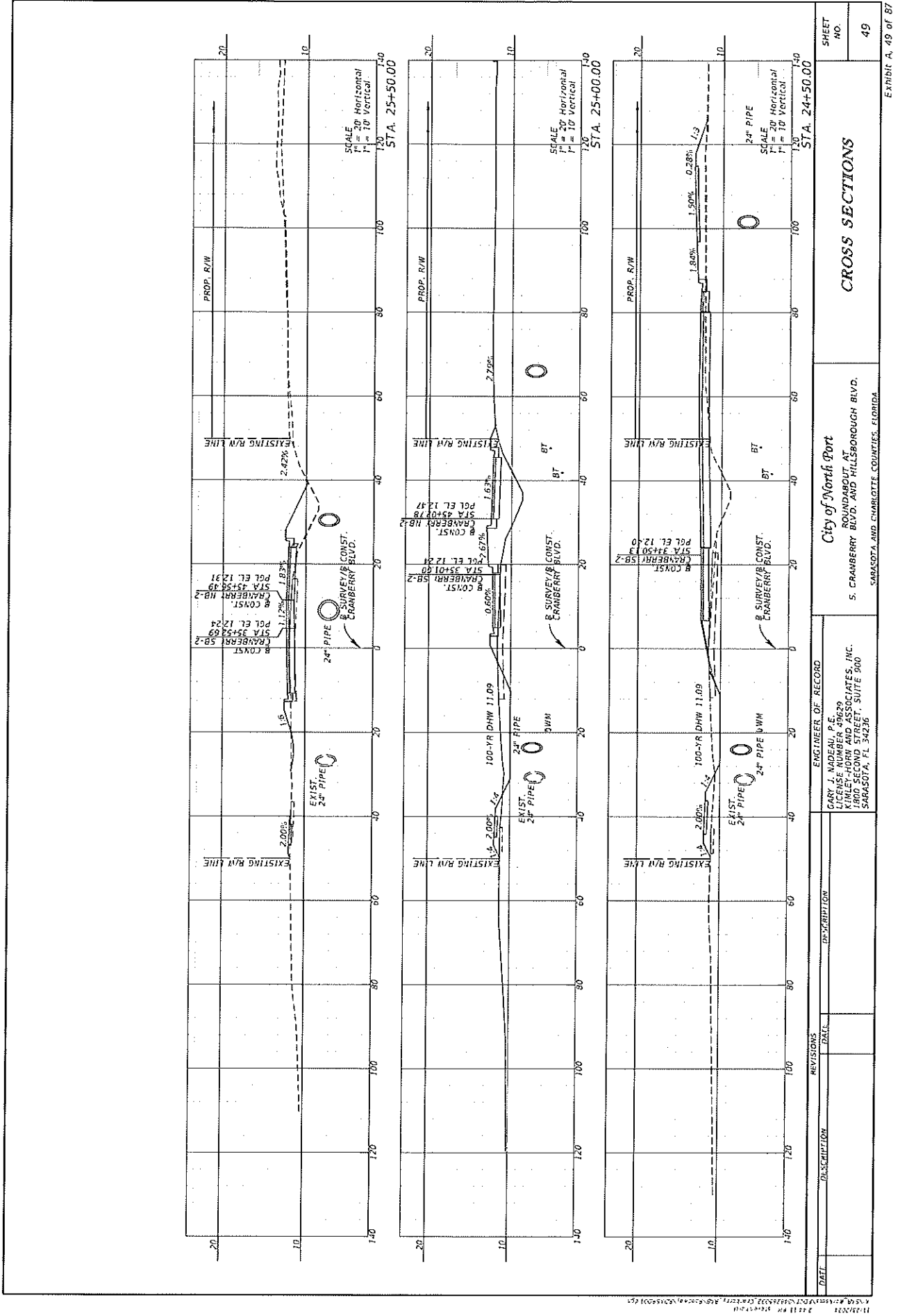
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46

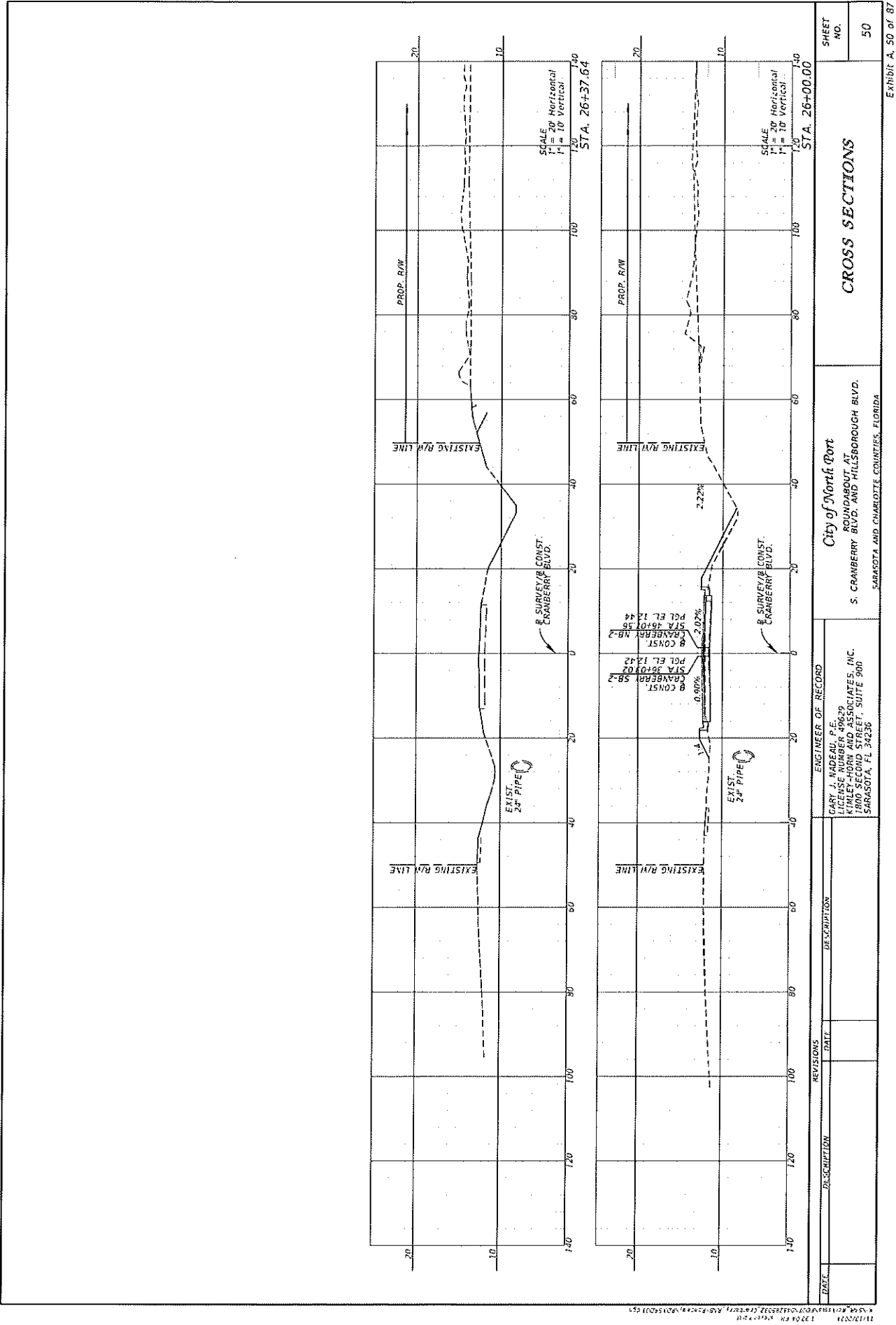


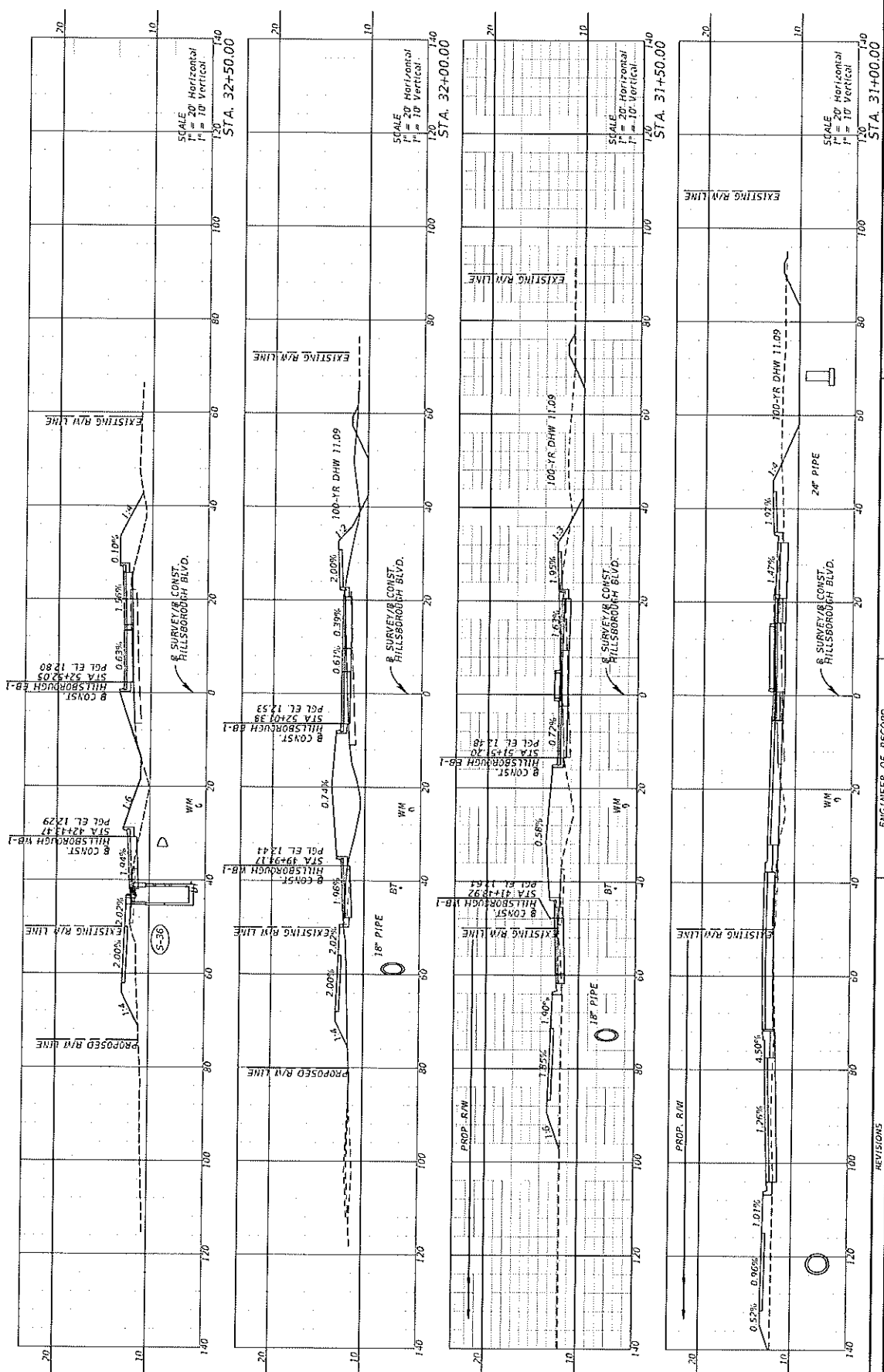


REVISIONS		DESCRIPTION		ENGINEER OF RECORD	
DATE		DATE			
				GARY J. MIDEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1700 SECOND STREET, SUITE 900 SARASOTA, FL 34236	
				<i>City of North Port</i> ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.	
				<i>CROSS SECTIONS</i>	
				SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	
				SHEET NO.	48



REVISIONS		DESCRIPTION		ENGINEER OF RECORD		CITY OF NORTH PORT	CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION			
						GARY J. NADAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236	5. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.	49
						SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		





CROSS SECTIONS

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

ENGINEER OF RECORD
GARY J. NADEAU, P.E.
LICENSE NUMBER 49629
WINLEY-HORN AND ASSOCIATES, INC.
11800 SECOND STREET, SUITE 900
SARASOTA, FL 34236

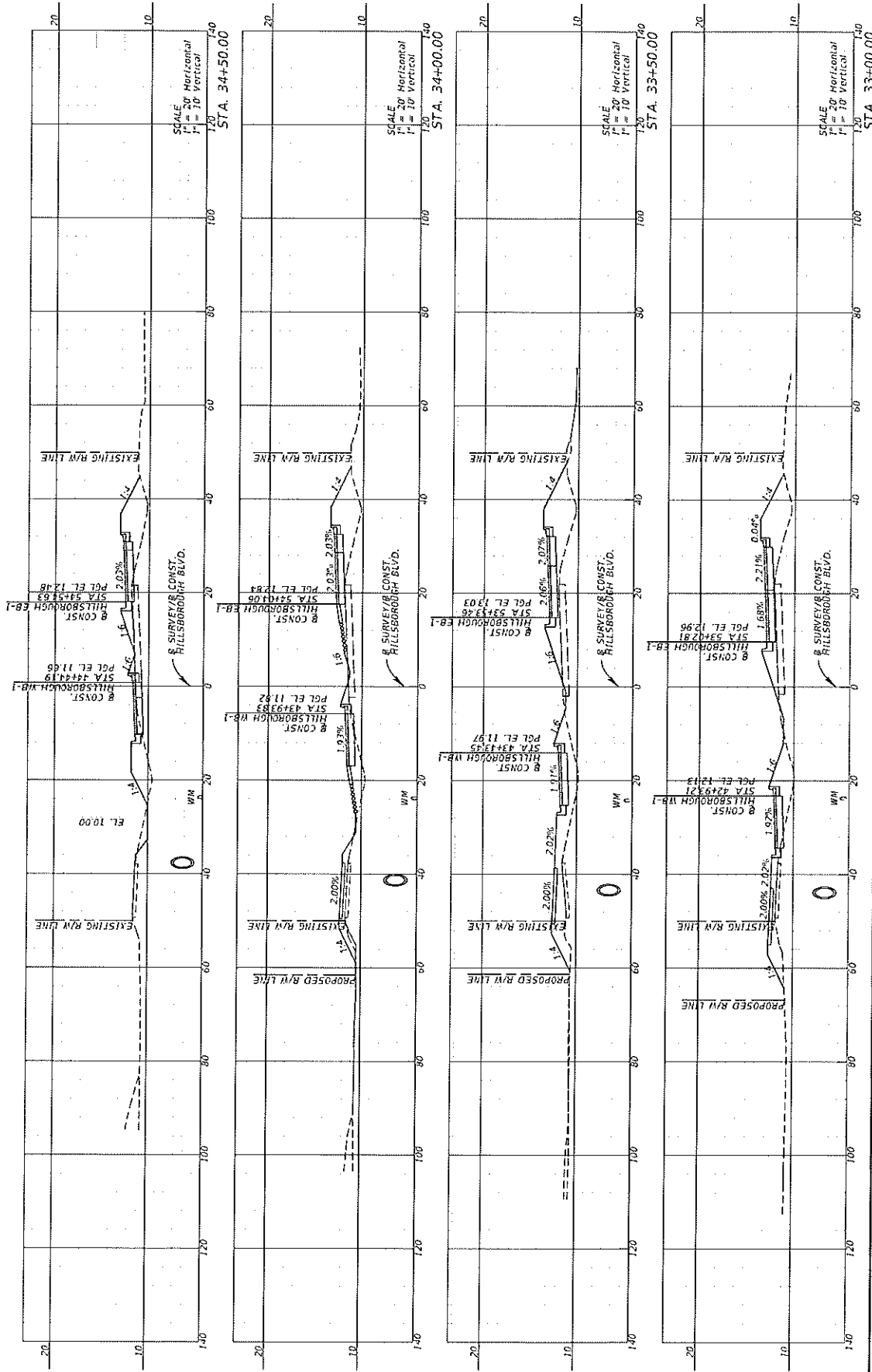
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20			

DATE	DESCRIPTION
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11
PAGE

55



CROSS SECTIONS

City of North Port
 ROUNDABOUT AT
 S. 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

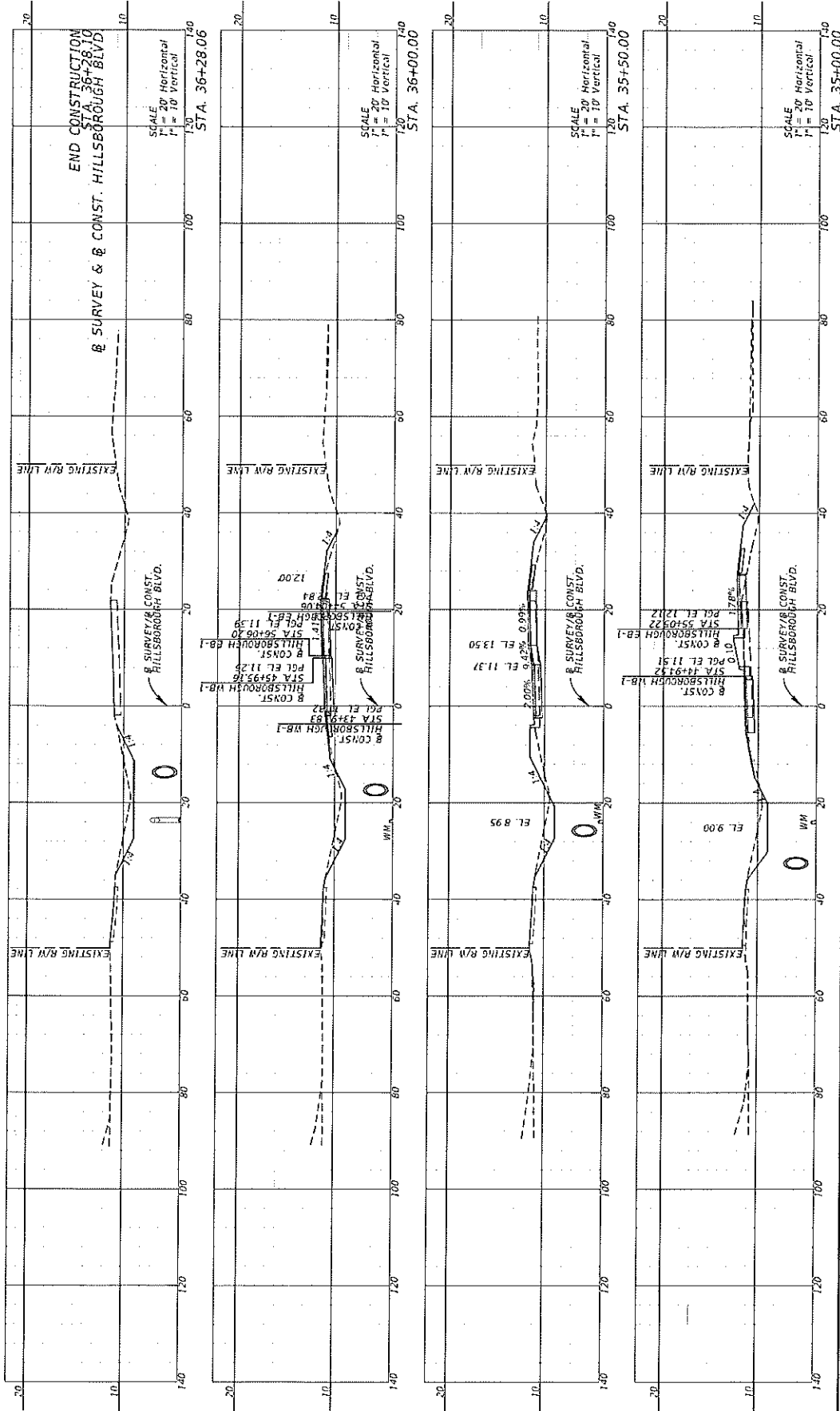
DESCRIPTION	DATE	AMOUNT	REMARKS
...	...	...	...

REVISED	DATE

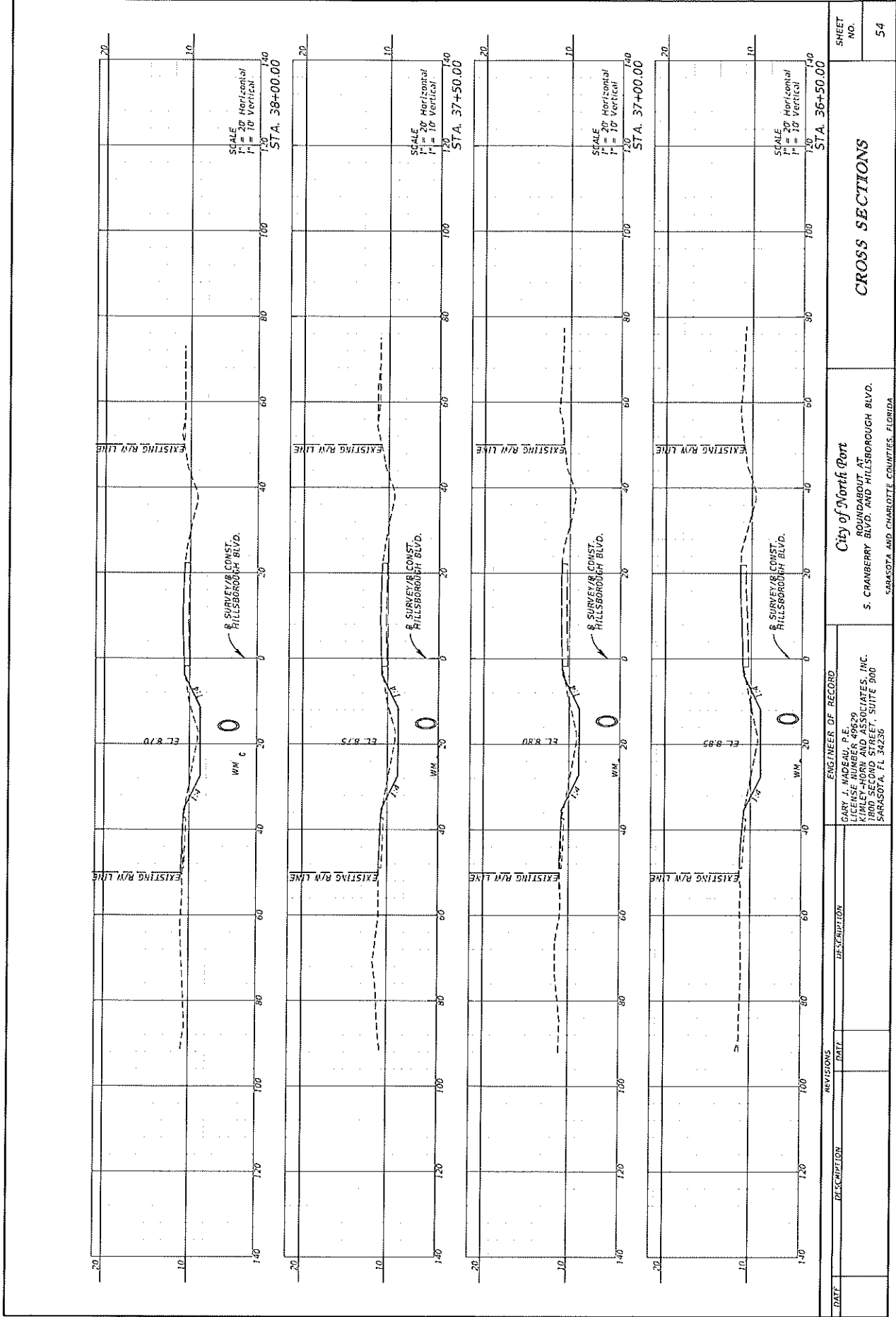
DESCRIPTION

DATE

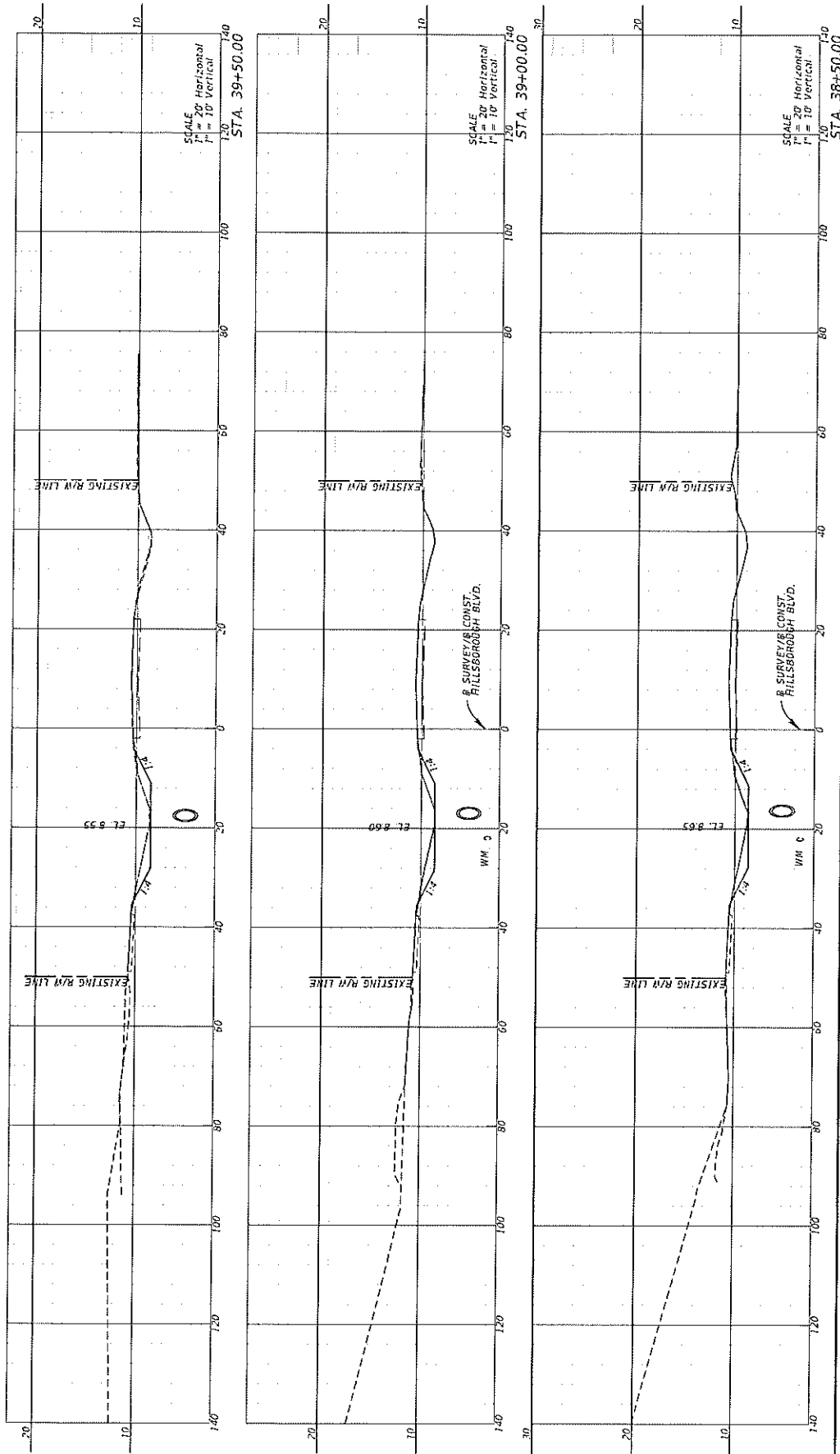
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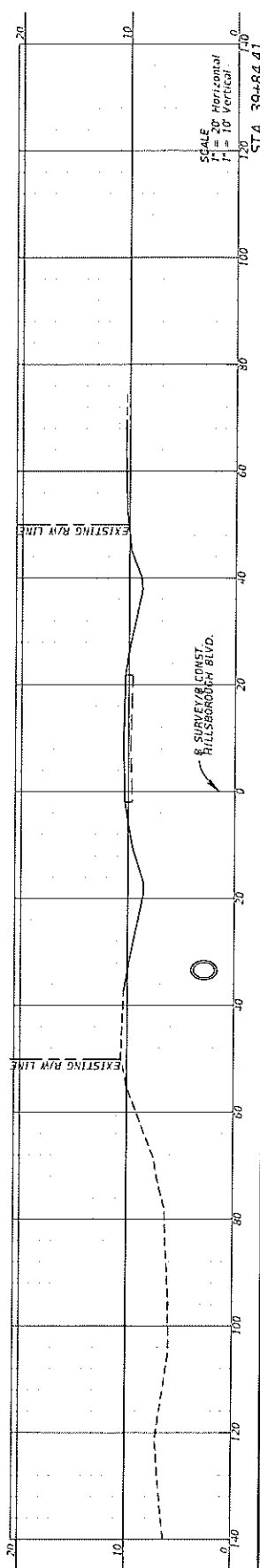


REVISIONS				ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	CROSS SECTIONS	SHEET NO. 53
DATE	DESCRIPTION	DATE	DESCRIPTION	GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET,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

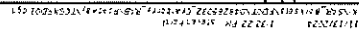


REVISIONS				ENGINEER OF RECORD		CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
				GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236		54	54
				City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA			





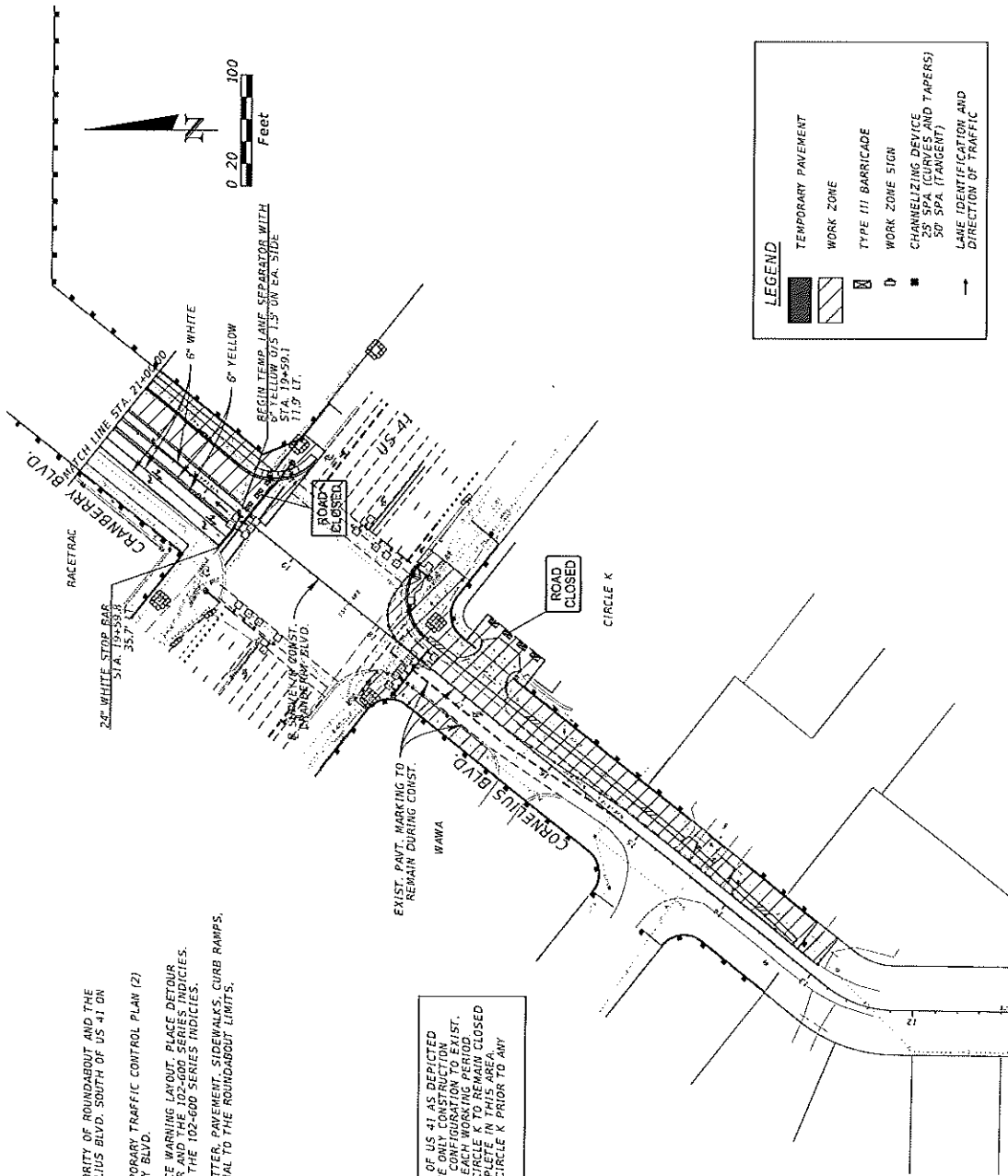
REVISIONS		ENGINEER OF RECORD		CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
				City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	56



PHASE 1 PHASING NOTES

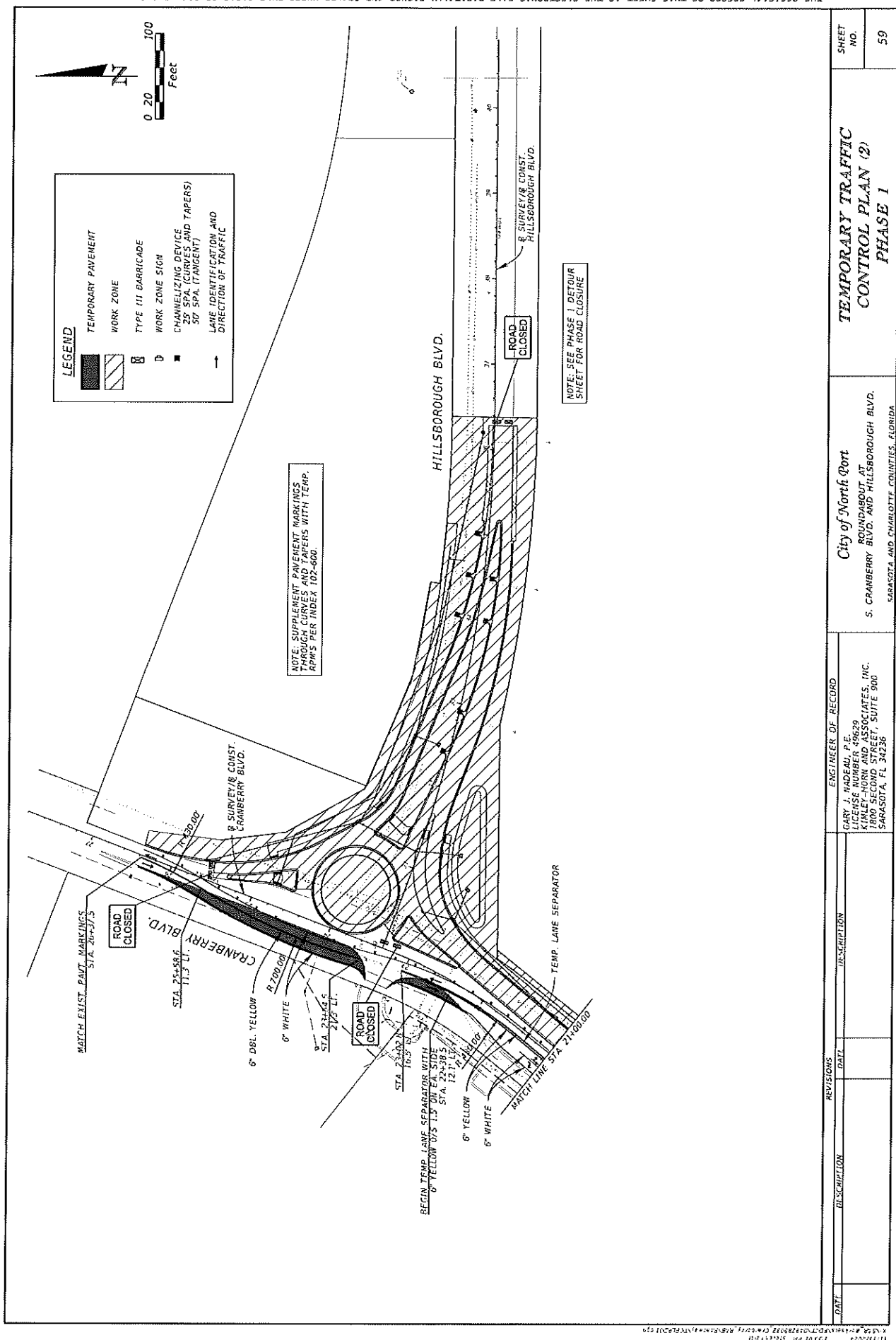
1. PLACE TEMPORARY PAVEMENT ACCORDING TO THE PHASE 1 TEMPORARY TRAFFIC CONTROL PLAN (2)
2. PLACE SIGNAGE AND DEVICES ACCORDING TO THE ITCP ADVANCE WARNING LAYOUT. PLACE DETOUR SIGNS AND DEVICES ACCORDING TO THE ITCP ADVANCE WARNING LAYOUT. PLACE PEDESTRIAN DETOUR SIGNS AND DEVICES ACCORDING TO THE 102-600 SERIES INSTRUCTIONS.
3. CONSTRUCT PAVEMENT, DRAINAGE, LIGHTING, SIGNALS, CURB AND GUTTER, SIDEWALKS, CURB RAMPS, SPOTTERS (AS REQUIRED) AND REMAINING CONSTRUCTION INTERNAL TO THE ROUNDABOUT LIMITS, OMITTING FRICTION COURSE UNTIL PHASE 3.

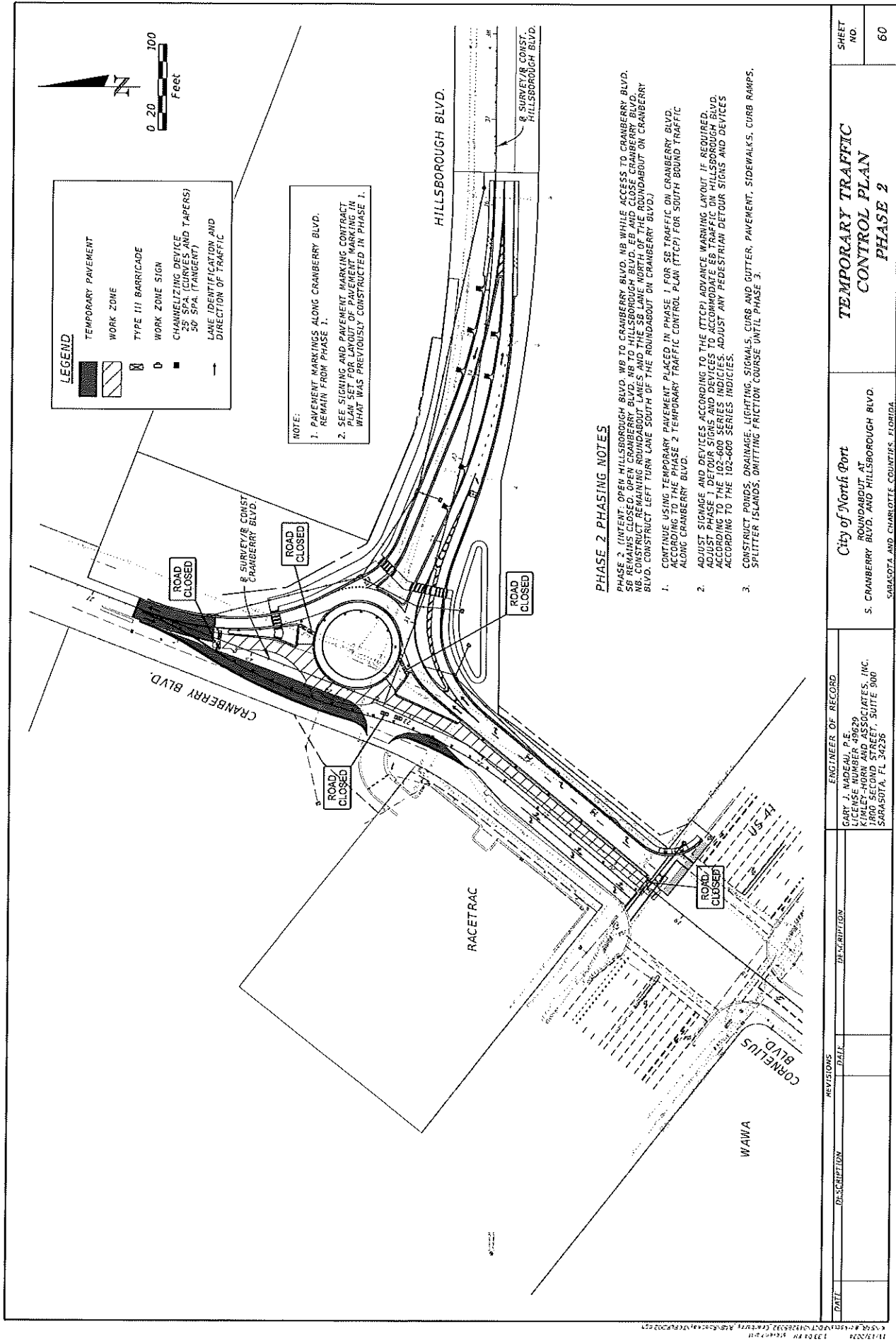
NOTE: ALL CONSTRUCTION SW OF US 41 AS DEPICTED IS CONSIDERED A NIGHT TIME ONLY CONSTRUCTION OPERATION. RETURN TRAFFIC CONFIGURATION TO EXIST. CONDITIONS AT THE END OF EACH WORKING PERIOD MUST BE MAINTAINED UNTIL THE ROAD IS OPEN TO TRAFFIC. CONSTRUCTION IS COMPLETE IN THIS AREA. COORDINATE CLOSURE WITH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

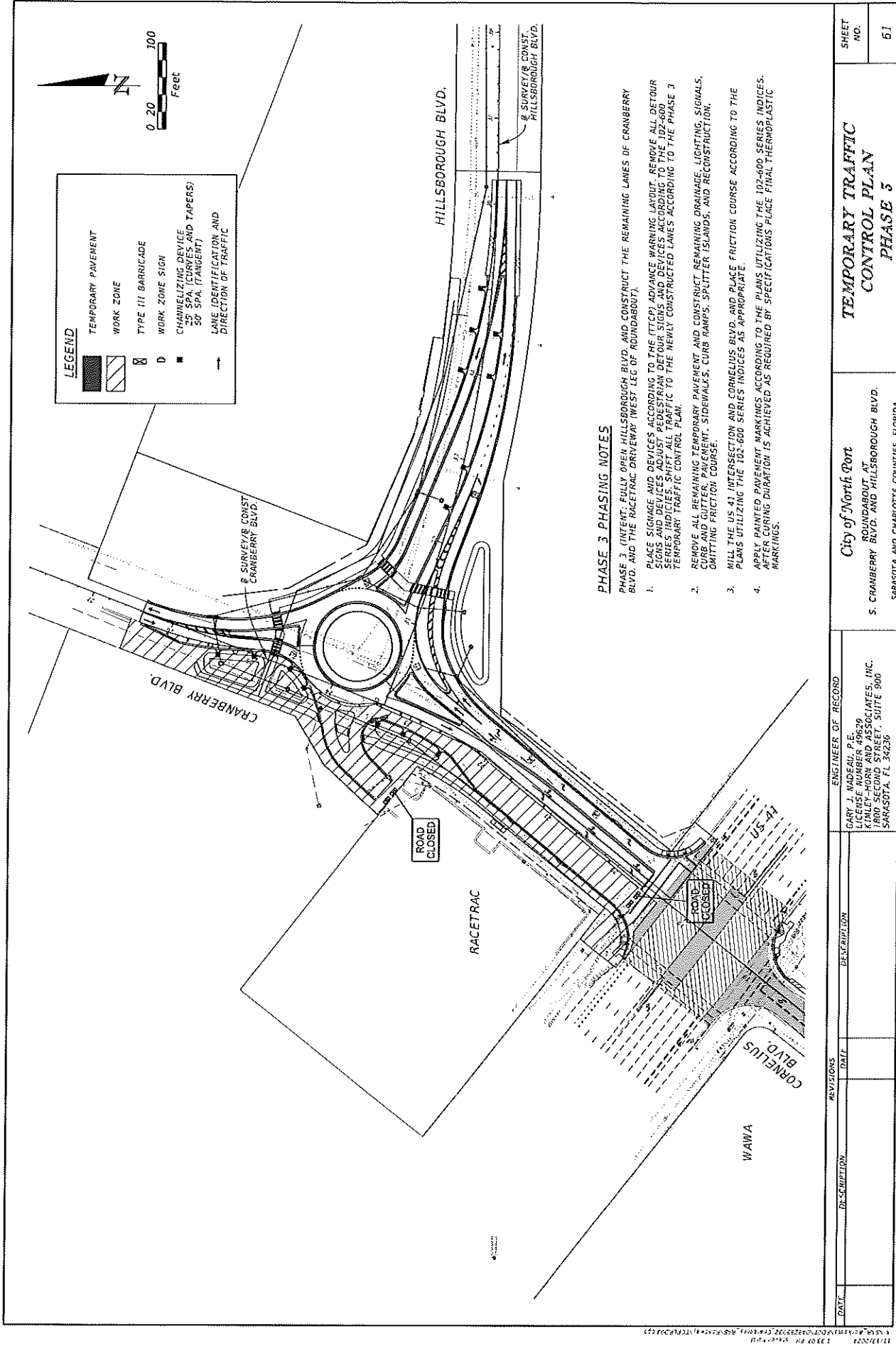


LEGEND	
	TEMPORARY PAVEMENT
	WORK ZONE
	TYPE III BARRICADE
	WORK ZONE SIGN
	CHANNELIZING DEVICE
	25' SPA (CURVES AND TAPERS)
	50' SPA (TANGENT)
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

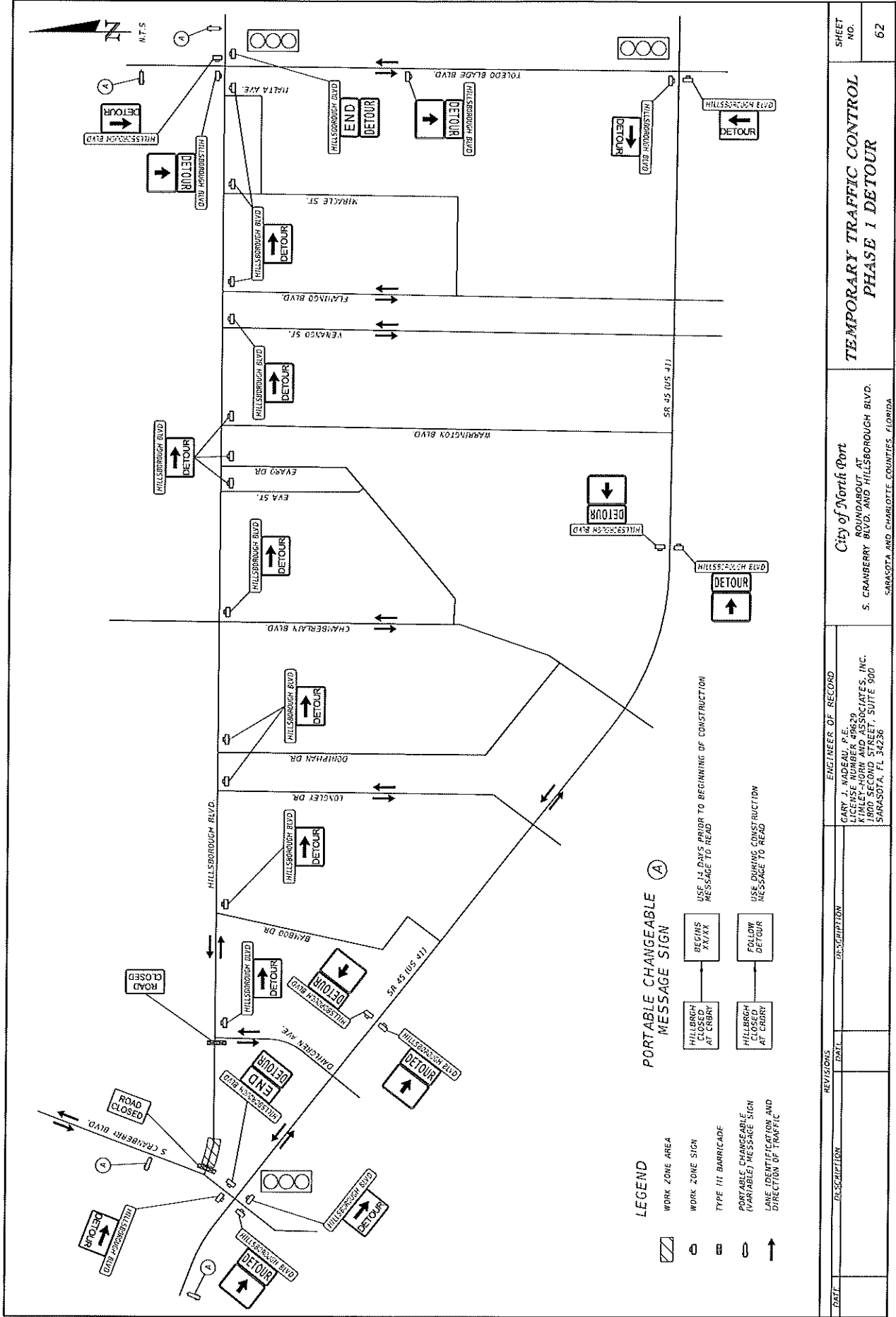
REVISIONS		ENGINEER OF RECORD		City of North Port		TEMPORARY TRAFFIC CONTROL PLAN (1)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		PHASE 1		58	
				CARY J. WARDEN, P.E. LICENSE #48629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236					

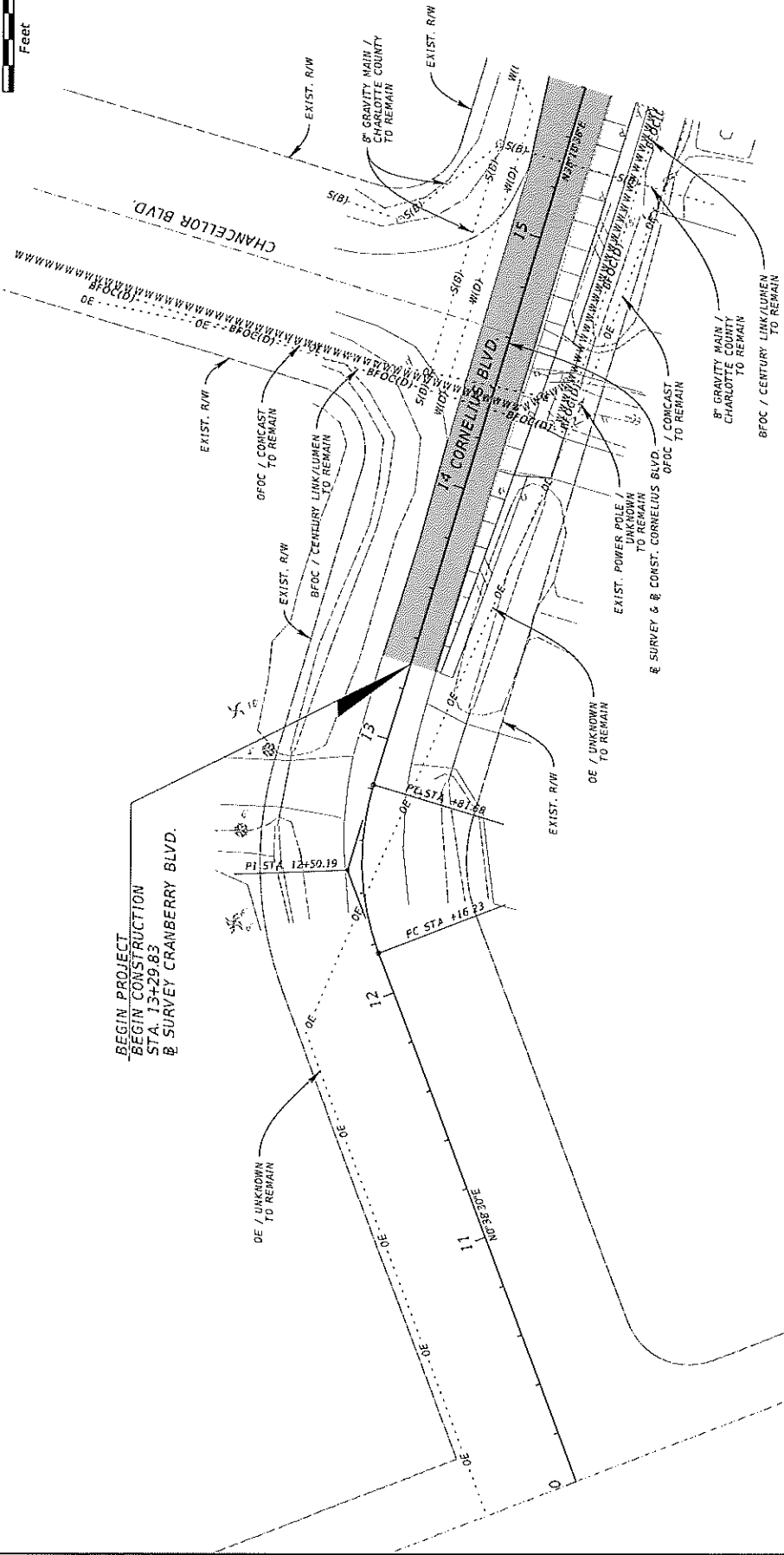
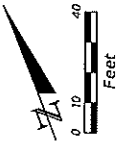




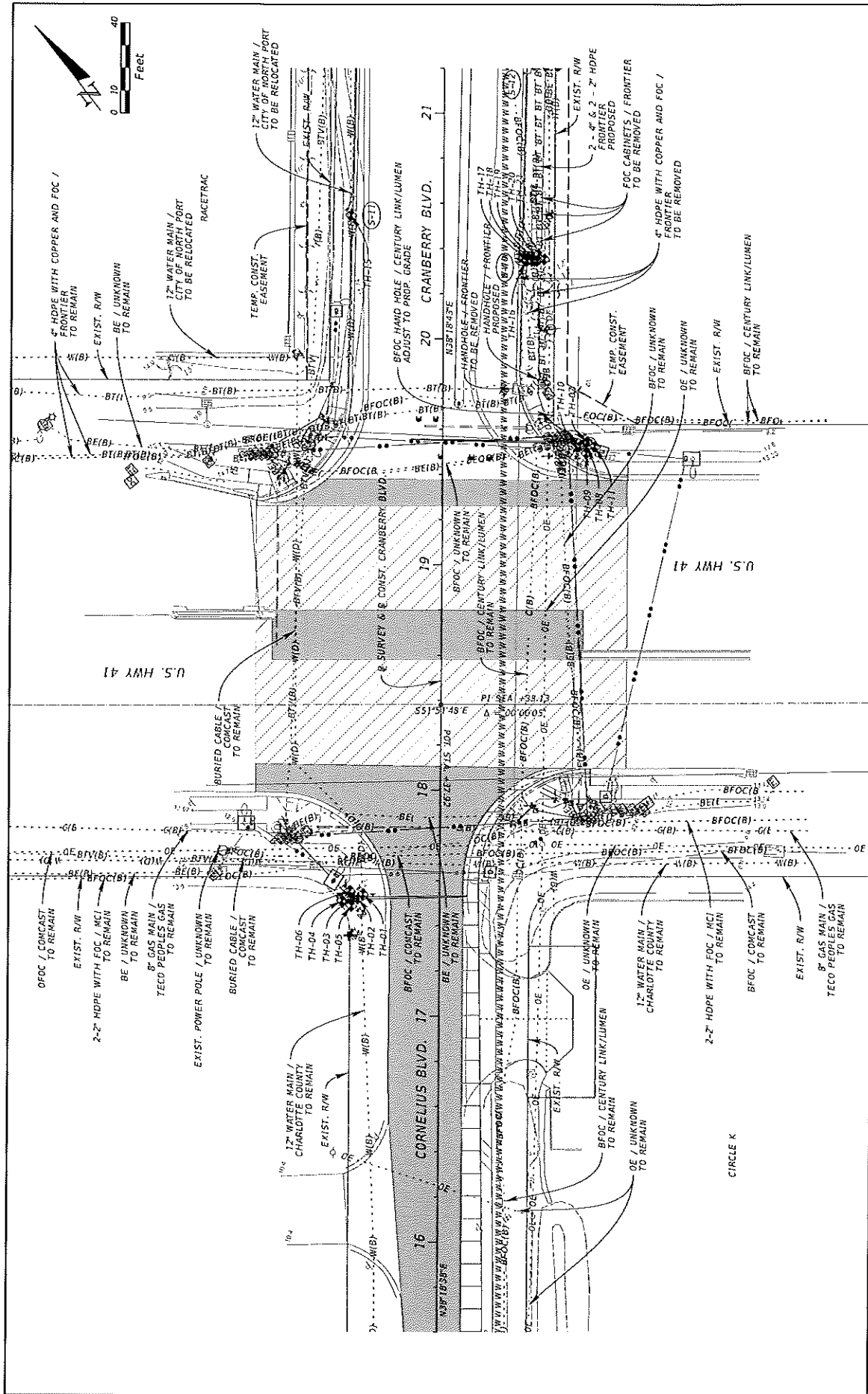


REVISIONS		DESCRIPTION		ENGINEER OF RECORD	
DATE	BY	DATE	DESCRIPTION	GARY J. MADEAU, P.E. 11111 1ST AVE. N. SUITE 200 KINLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 300 SARASOTA, FL 34236	
				City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	
TEMPORARY TRAFFIC CONTROL PLAN				SHEET NO. 61	
PHASE 3				61	

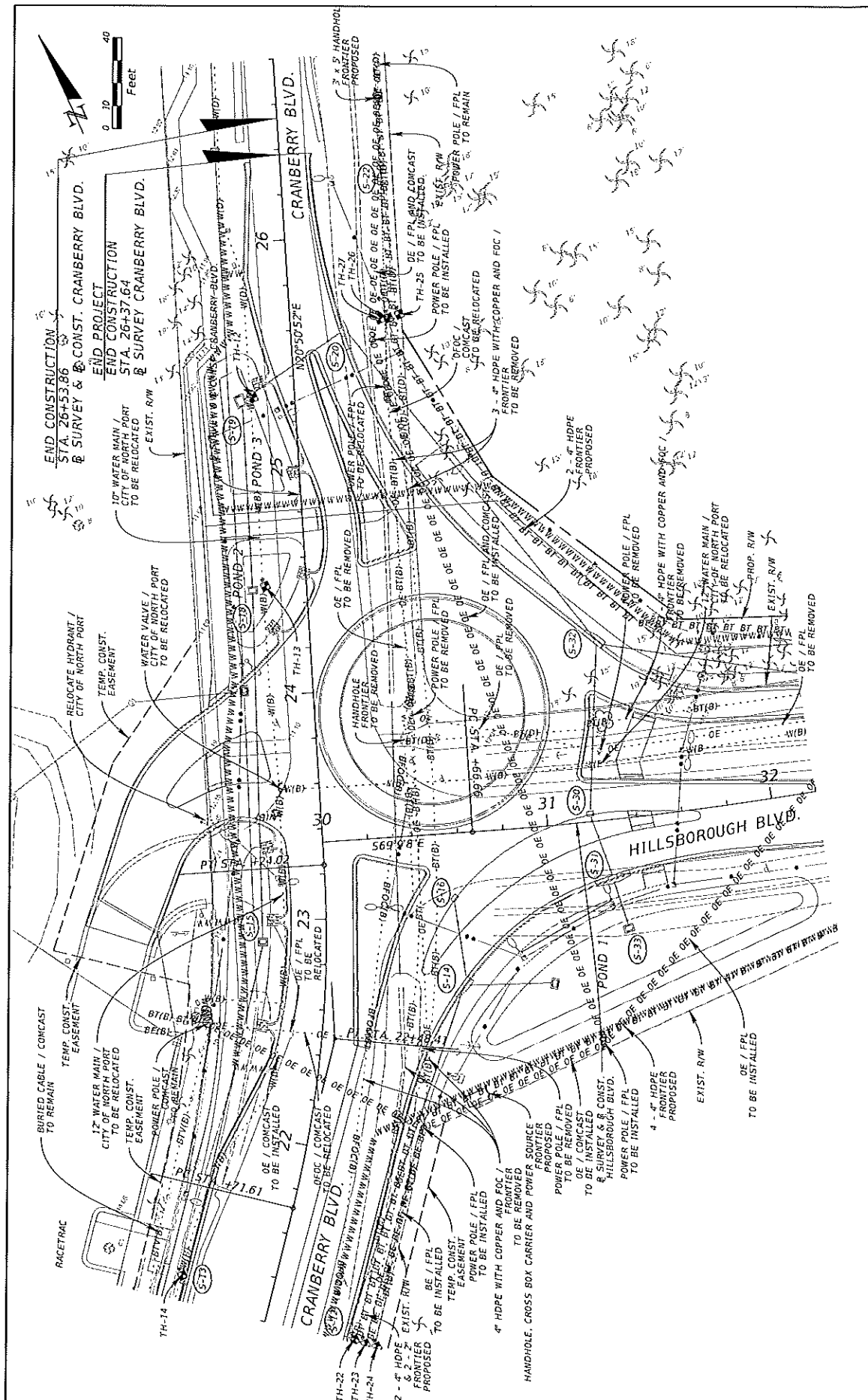




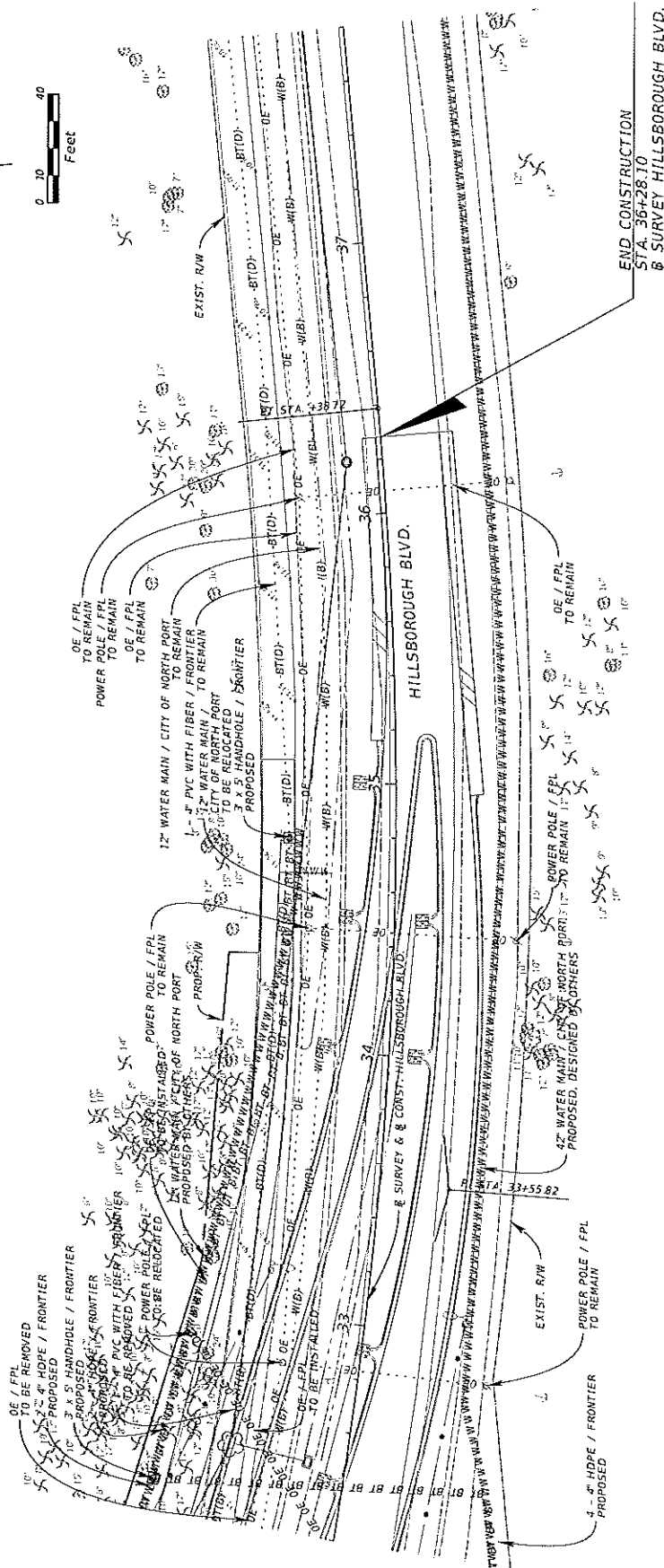
				ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		UTILITY ADJUSTMENTS (1)		SHEET NO.	
				GARY J. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236						63	
REVISIONS		DATE		DESCRIPTION							



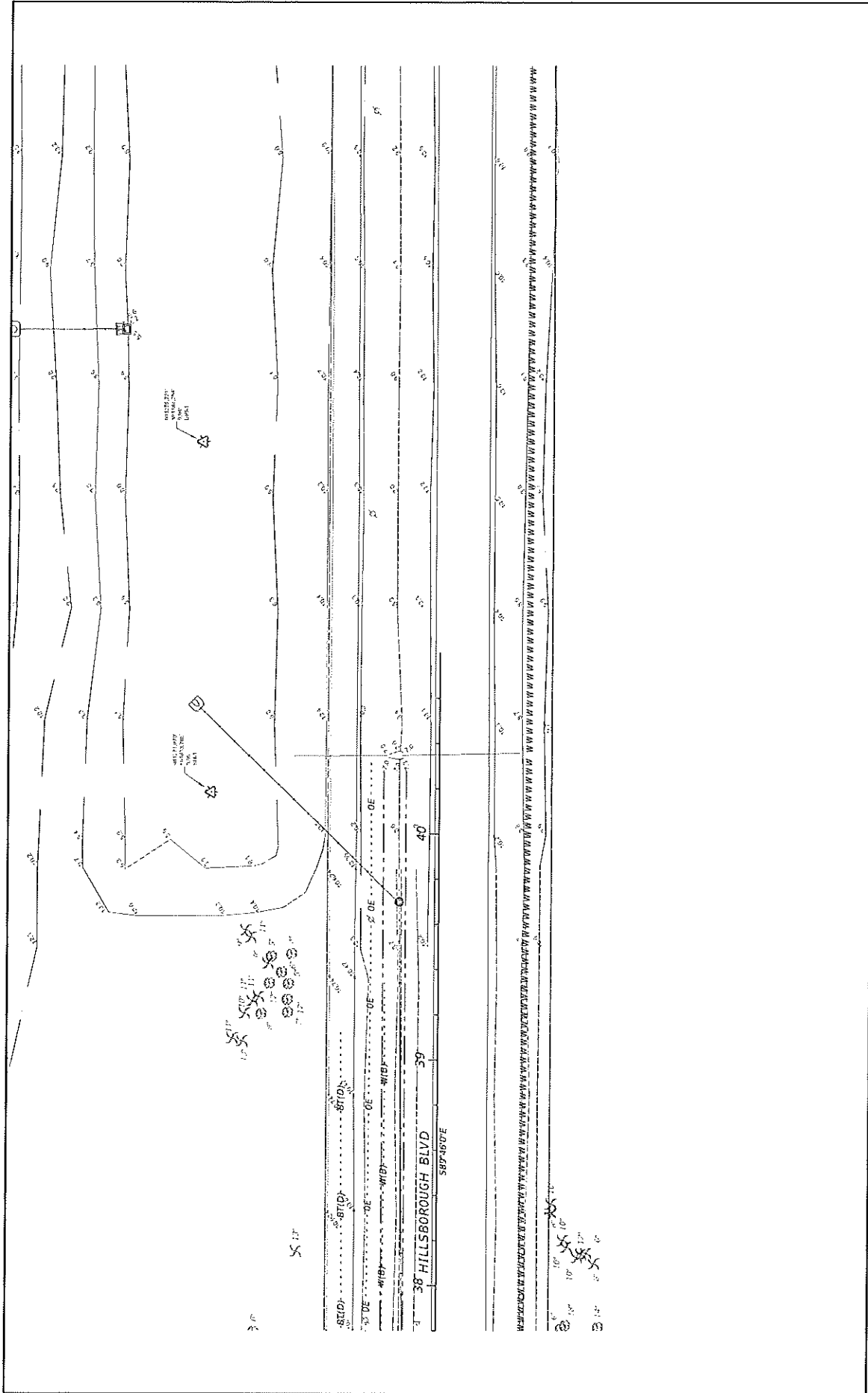
REVISIONS		ENGINEER OF RECORD		UTILITY ADJUSTMENTS (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
		GARY J. NADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	64



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



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ENGINEER OF RECORD	GARY J. MADEAU, P.E. LICENSE NUMBER 49879 KIMLEY-HORN & 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	UTILITY ADJUSTMENTS (4)	SHEET NO. 66
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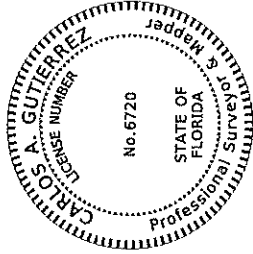
REVISIONS		ENGINEER OF RECORD		UTILITY ADJUSTMENTS (5)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
				City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	67

VERIFIED UTILITY LOCATE SHEET

Vvh #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	NORTHING	EASTING	EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
TH-01	WATER MAIN	12"	PVC	500851.9	500964.0	11.6	7.9	
TH-02	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500851.6	500963.0	11.5	N/A	CAP ROCK @ -45.5'
TH-03	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500851.4	500962.4	11.1	N/A	CAP ROCK @ -46.5'
TH-04	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500852.2	500955.0	10.8	N/A	CAP ROCK @ -46.5'
TH-05	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500856.9	500960.8	10.9	N/A	CAP ROCK @ -46.5'
TH-06	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500856.6	500964.3	11.1	N/A	CAP ROCK @ -46.5'
TH-07	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500847.7	500966.7	12.9	N/A	DUG TO ±10.0'
TH-08	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500945.9	500968.3	13.2	N/A	DUG TO ±10.0'
TH-09	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500943.9	500968.4	13.6	N/A	DUG TO ±10.0'
TH-10	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500945.7	500968.0	13.4	N/A	DUG TO ±10.0'
TH-11	EXPLORATORY, NO UTILITY FOUND	N/A	N/A	500943.9	500971.1	11.7	N/A	DUG TO ±10.0'
TH-12	WATER MAIN	12"	PVC	500955.6	500955.7	11.4	9.0	
TH-13	WATER MAIN	12"	PVC	501171.8	500955.7	11.0	8.0	
TH-14	WATER MAIN	12"	PVC	501171.8	500949.1	11.2	8.0	
TH-15	WATER MAIN	12"	PVC	501027.8	500949.1	11.2	9.3	
TH-16	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	DIC / PVC	501027.3	500949.4	12.9	8.5	
TH-17	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	PVC / DUC	501026.0	500949.0	12.0	9.8	
TH-18	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	PVC	501025.2	500949.0	12.0	8.3	
TH-19	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	PVC / DUC	501025.5	500949.0	12.0	9.1	
TH-20	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	PVC	501025.1	500949.4	12.1	8.8	
TH-21	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	PVC	501025.1	500949.4	12.1	8.8	
TH-22	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	DUC	501025.1	500949.4	12.1	7.6	
TH-23	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	DUC	501025.1	500949.4	12.1	9.1	
TH-24	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	DUC	501025.1	500949.4	12.1	9.1	
TH-25	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	DUC	501025.1	500949.4	12.1	9.1	
TH-26	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	PVC / DUC	501025.1	500949.4	12.1	8.8	
TH-27	BURIED TELEPHONE DUCT	3/4" x 7' 0.5"	PVC / DUC	501025.1	500949.4	12.1	9.5	

SURFACE 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 WGI, 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 WGI, INC.
 6. WGI PROJECT # 7312.03



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 51-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTV-1 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, PSW 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

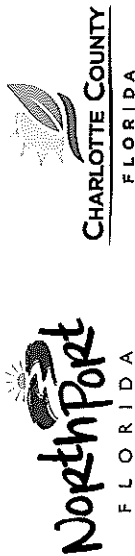
SHEET NO. _____
 UTV-1
 SHEET DESCRIPTION
 VERIFIED UTILITY LOCATE SHEET

DATE		DESCRIPTION		REVISIONS		DATE		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		VERIFIED UTILITY LOCATE SHEET		SHEET NO.	
								ROAD NO.		COUNTY		FINANCIAL PROJECT ID	
								N/A		SARASOTA		N/A	
								CARLOS A. GUTIERREZ, PSW SURVEYOR LICENSE NUMBER 6720		3111 W DR MLK JR. BLVD, SUITE 375 TAMPA, FL 33607		UTV-1 Exhibit A. 88 of 87	

CITY OF NORTH PORT

SIGNING AND PAVEMENT MARKING PLANS

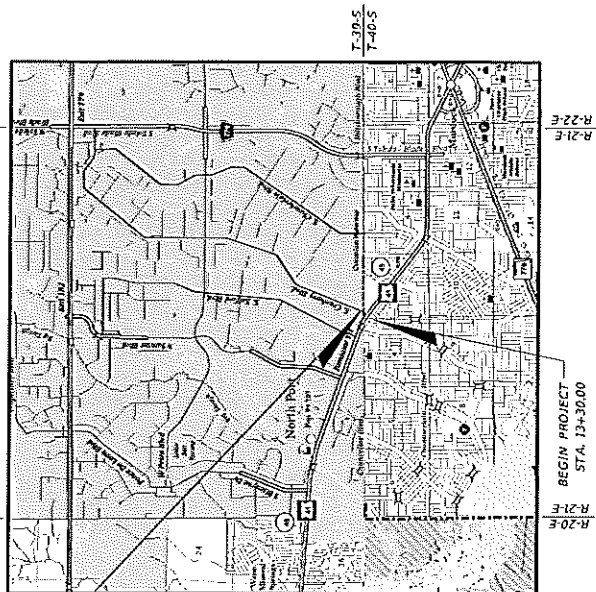
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.
 ROUNDABOUT



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 REESTABLISHED IN PLACE.
4. ALL PAVEMENT MARKINGS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PER FDOT STANDARDS AT NO ADDITIONAL COST.

END PROJECT
 STA. 26+37.65



T-39-S
 T-40-S

T-39-S
 T-40-S

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

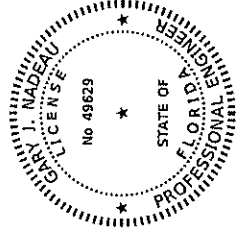
GOVERNING STANDARD SPECIFICATIONS:

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>

REVISIONS:

FDOT PERMIT
 SUBMITTAL
 FEBRUARY 2025

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



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.

SIGNING AND PAVEMENT
 MARKING PLANS
 ENGINEER OF RECORD:

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

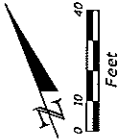
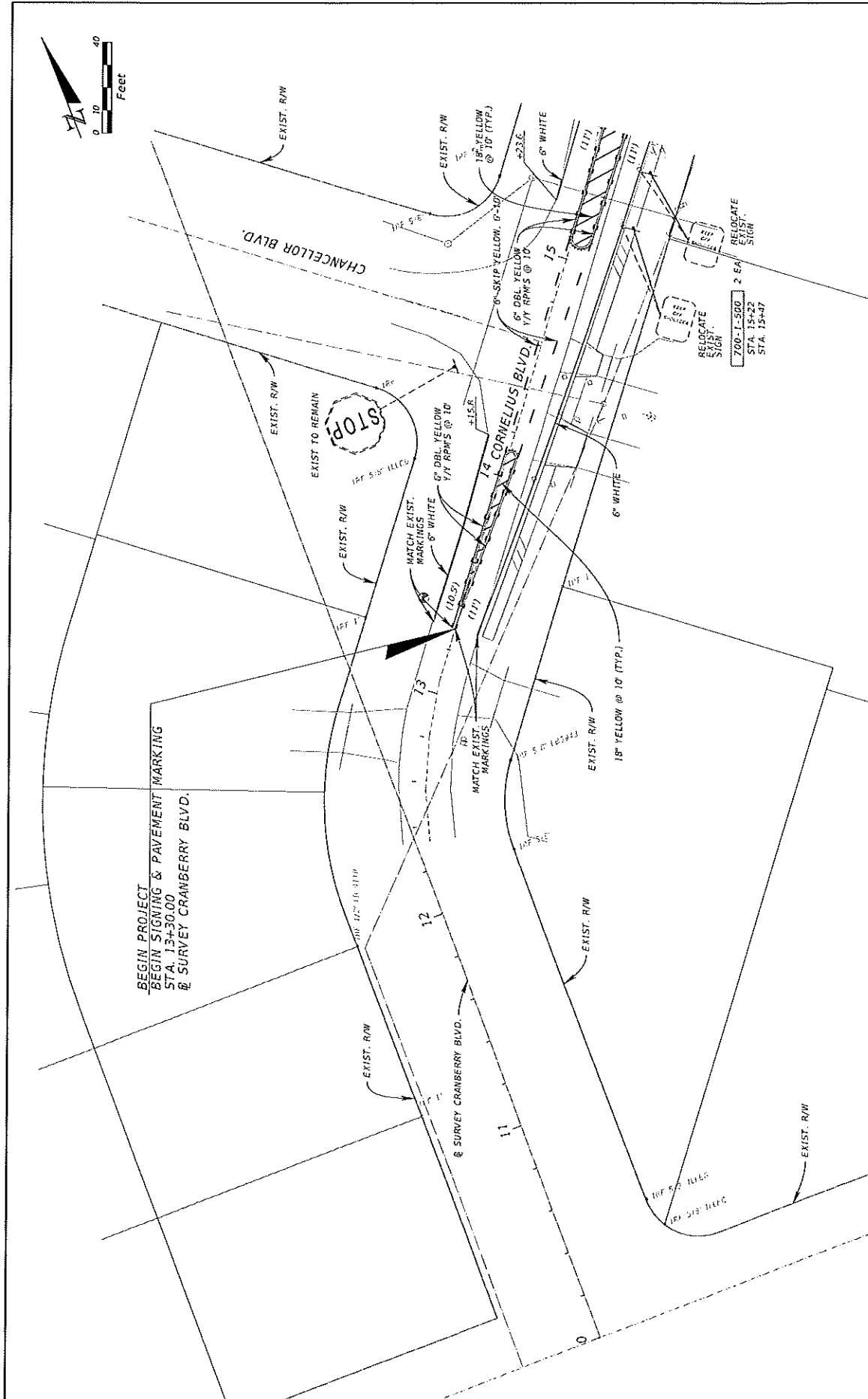
CITY OF NORTH PORT
 PROJECT MANAGER:
 ANTHONY FRIEDMAN, P.E.

FISCAL YEAR	SHEET NO.
25	S-1

Exhibit A, 69 of 87

TABULATION OF QUANTITIES

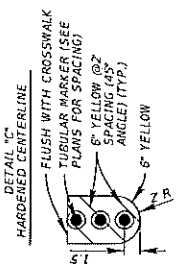
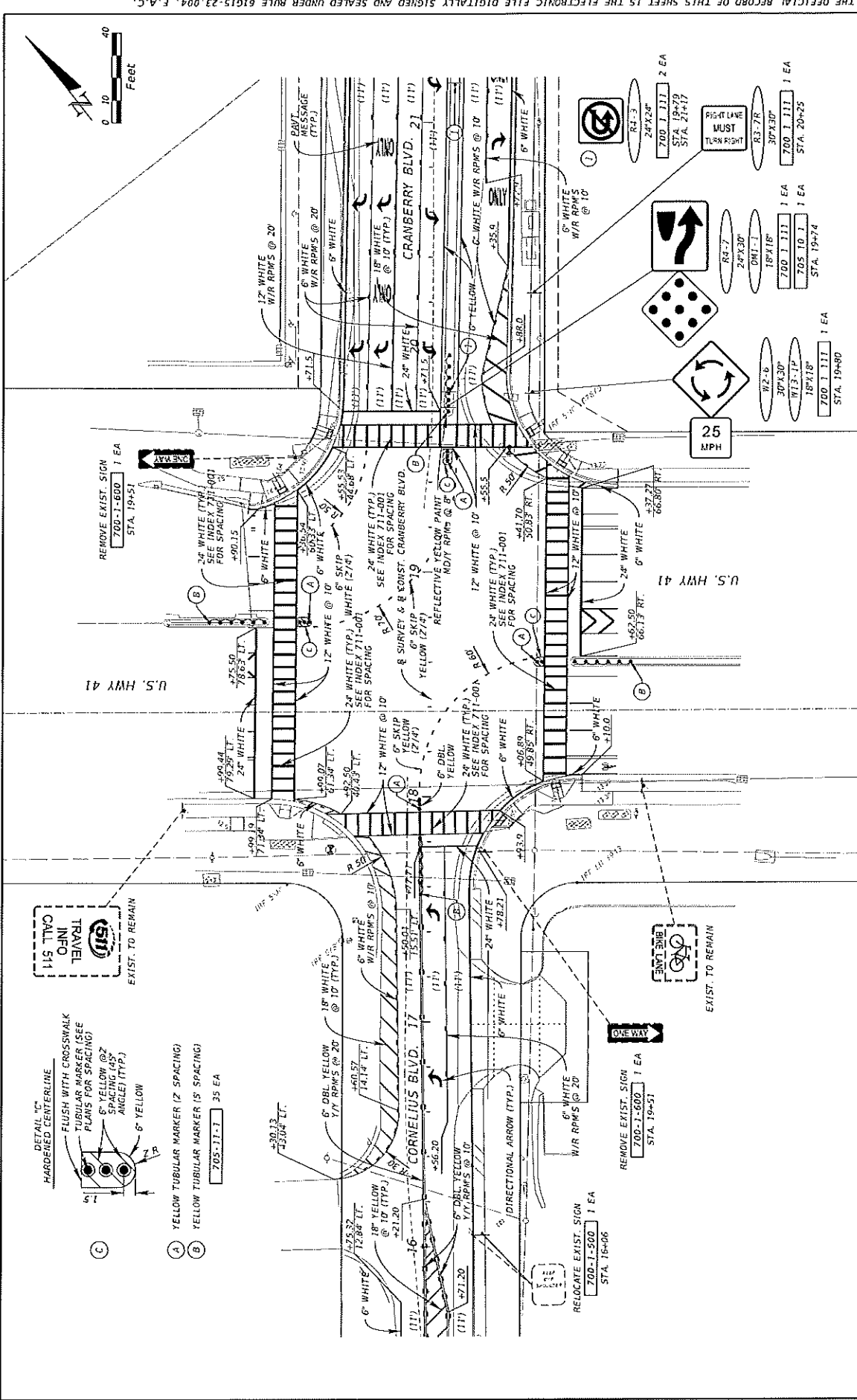
DATE		DESCRIPTION		REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	TABULATION OF QUANTITIES	SHEET NO. 5-3
						GARY L. MADEAU, P.E. LICENSE NUMBER 49629 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236				



REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	SIGNING & PAVEMENT MARKING PLAN SHEET (1)	SHEET NO. S-4
DATE	DESCRIPTION	DATE	DESCRIPTION			
				GARY J. VADEAU, P.E. REGISTERED PROFESSIONAL ENGINEER KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 500 SARASOTA, FL 34236		

Exhibit A, 72 of 87

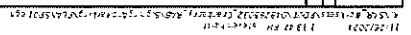
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



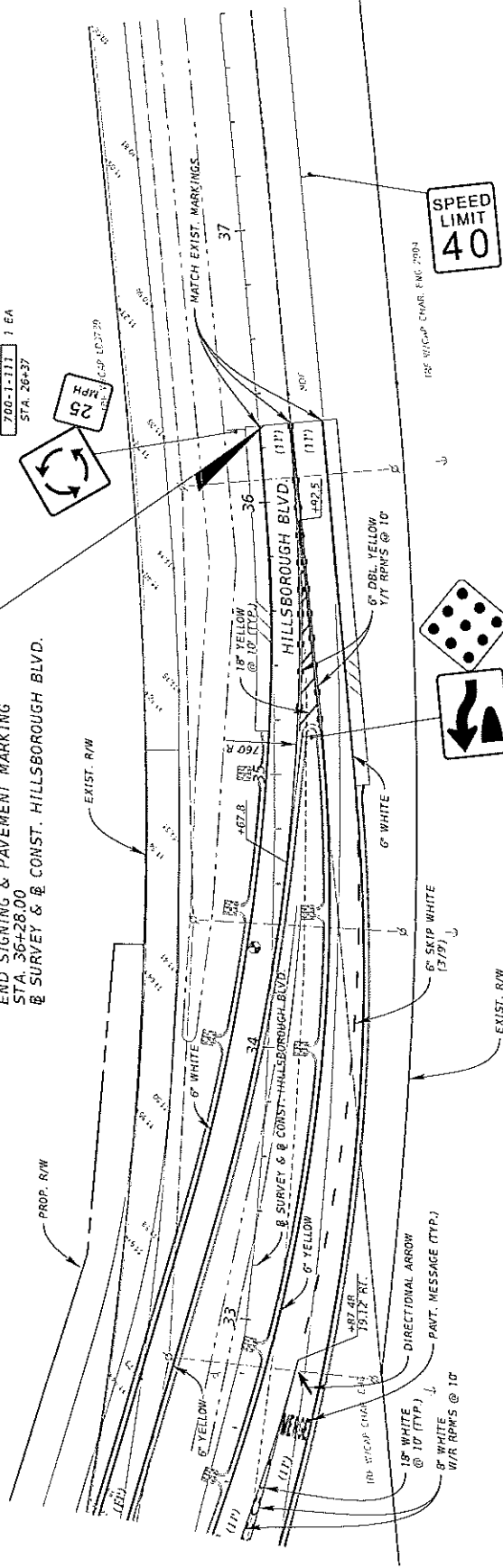
- (C) HARDENED CENTERLINE
FLUSH WITH CROSSWALK
TUBULAR MARKER (SEE
PLANS FOR SPACING)
6" YELLOW @ 12"
SPACING (45°
ANGLE) (TYP.)
6" YELLOW
- (A) YELLOW TUBULAR MARKER (2 SPACING)
- (B) YELLOW TUBULAR MARKER (5' SPACING)

705-117-1 35 EA

REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	SIGNING & PAVEMENT MARKING PLAN SHEET (2)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
				GARY J. MADEAU, P.E. KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 300 SARASOTA, FL 34236			5-5



END PROJECT
END SIGNING & PAVEMENT MARKING
STA. 36+28.00
@ SURVEY & CONST. HILLSBOROUGH BLVD.



SPEED
LIMIT
40

R2-1
24\"/>



R4-7
24\"/>

REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	SIGNING & PAVEMENT MARKING PLAN SHEET (4)	SHEET NO. S-7
DATE	DESCRIPTION	DATE	DESCRIPTION			
				GARY J. MADEAU, P.E. REGISTERED PROFESSIONAL ENGINEER KINLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236		

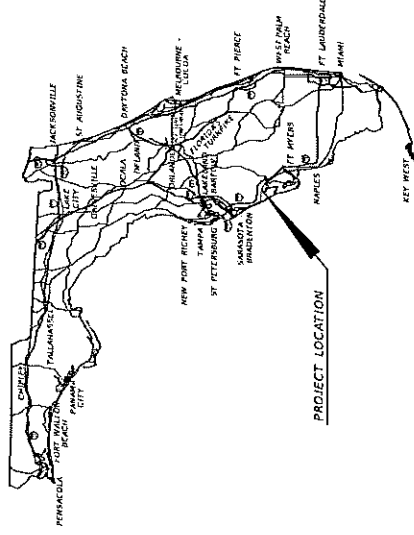
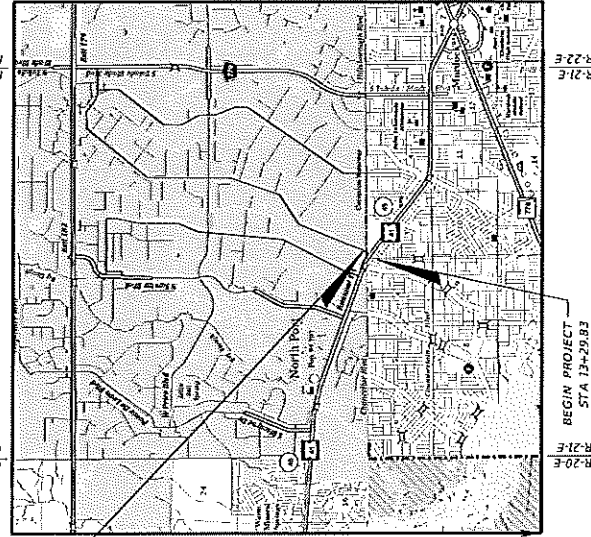
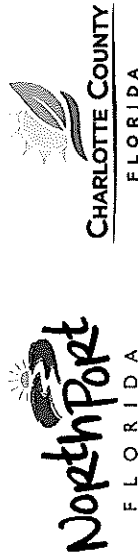
CONTRACT PLANS COMPONENTS

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



SIGNALIZATION PLANS
ENGINEER OF RECORD:

NICOLE R. HECK, P.E.
P.E. LICENSE NUMBER 84386
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

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>

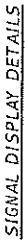
GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY 2024-25 Standard Plans for Road and
Bridge Construction and applicable Interim Revisions (IRs).
Standard Plans for Road Construction and associated IRs are available at the
following website: <http://www.fdot.gov/design/standardplans>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

FISCAL YEAR	SHEET NO.
25	T-1

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			T-5				T-6								PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT - FURNISH & INSTALL, OPEN TRENCH	LF	200												200		200	
630-2-12	CONDUIT - FURNISH & INSTALL, DIRECTIONAL BORE	LF	440												440		440	
632-7-1	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1												1		1	
632-7-6	SIGNAL CABLE, REMOVE, INTERSECTION	PI	1												1		1	
635-2-11	PULL & SPLICE BOX, F61, 12" x 24" COVER SIZE	EA	7												7		7	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	6												6		6	
646-1-60	ALUMINUM SIGNALS 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	
649-20-5	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	AS	8												8		8	
650-1-16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	4												4		4	
650-2-109	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT - FURNISH & INSTALL, BACKPLATE - FLEXIBLE REQUIRED	EA	5												5		5	
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6												6		6	
660-4-42	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	3												3		3	
663-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	1												1		1	
671-2-40	TRAFFIC CONTROLLER, MODIFY	EA	6												6		6	
671-2-51	TRAFFIC SIGNAL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	1												1		1	
700-3-50	INTERMEDIATE ILLUMINATED SIGN, RELOCATE	EA	2												2		2	

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



PEDESTRIAN DISPLAY DETAILS

INTERNAL ILLUMINATED
OVERHEAD STREET NAME SIGN DETAILS

US 41

700 S 50th St

Cornelius Blvd

Cranberry Blvd

EXISTING TO REMAIN

EXISTING TO REMAIN

EXISTING TO REMAIN

EXISTING TO REMAIN

DATE		REVISIONS		ENGINEER OF RECORD	CITY OF NORTH PORT ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.	SHEET NO. T-5
DESCRIPTION	DATE	DESCRIPTION	DATE			
				NICOLE R. HECK, P.E. LICENSE NUMBER: 84306 KIMLEY-HORN AND ASSOCIATES, INC. 200 SOUTH ORANGE AVENUE, SUITE 600 ORLANDO, FL 32801	SIGNALIZATION PLAN	

NO
TURN
ON RED

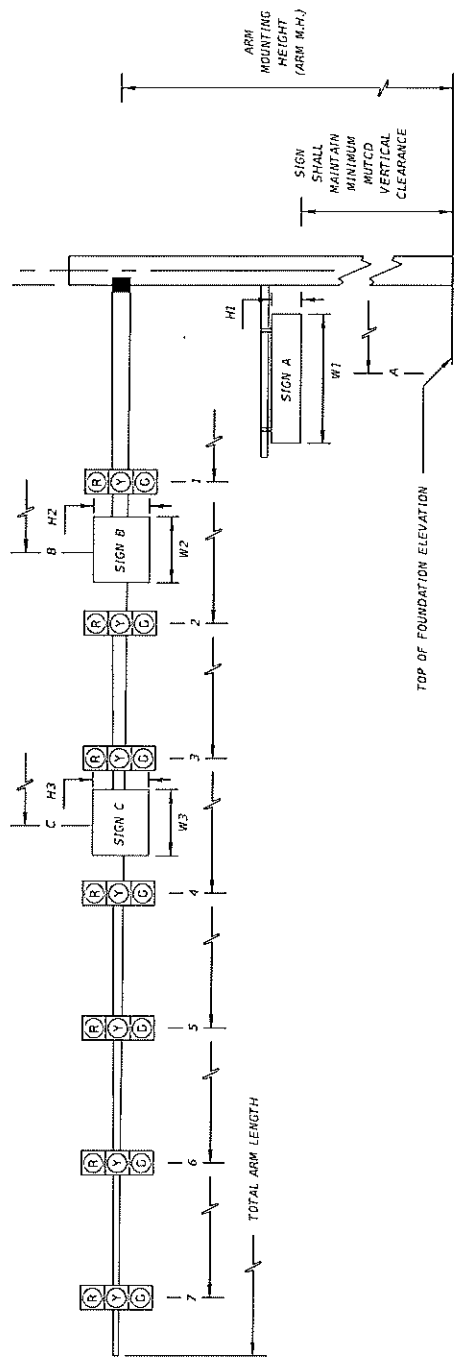
 700-3-201 1 EA
 R03-04
 36" X 36"

 700-3-201 1 EA
 R10-11B
 24" X 24"

NOTES:

7. MAJOR STREET IS SR. 45 (N.W. 45 MPH), THE MINOR STREET IS S. CRANBERRY BLVD./CORNELIUS BLVD. (E.B. 40 MPH AND W.B. 25 MPH)
8. FLASH YELLOW SIGNALS ARE REQUIRED ON INTERSECTIONS 2 AND 6
9. FLASH YELLOW SIGNALS ARE NOT REQUIRED AT INTERSECTION 3
10. CONTRACTOR SHALL COORDINATE AND COMPLY WITH POWER SERVICE PROVIDER AND OSHA REQUIREMENTS DURING CONSTRUCTION AND INSTALLATION OF SIGNAL FEATURES NEAR OVERHEAD ELECTRIFICATION
11. REQUEST UPDATED SIGNAL TIMINGS FROM TSM&O ENGINEER - METERS/SEC (800.319-2216) FOR ALL SIGNALS AND TRIPPING SIGNALS AND PEDESTRIAN FACILITIES ARE IN THEIR FINAL DESIGN
12. INFORMATION NECESSARY TO DEVELOP THE BASIC SIGNAL TIMING PARAMETERS AND ALLOW THREE SECONDS FOR EACH PHASE TO BE USED TO DEVELOP UPDATED TIMINGS. PROGRAM THE CONTROLLER ALLOWING TIME RESOURCES FOR FUTURE UPDATES
13. FIELD VERIFY ALL WAST ARM FOUNDATION ELEVATIONS PRIOR TO ORDERING ANY POLES.

[illegible]



* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

ID SHEET NO. NO.	LOCATION BY STA.	TOP OF ROAD ELEVATION	ROW ARM IN	CROWN ELEV.	LUMI. MOUNT TYPE	TERM. COMP. TYPE	SIGNAL PLATES TYPE	BACK SIGNAL TYPE	SIGNAL DATA										SIGN DATA										VIDEO DETECT I ON	PAINT COLOR				
									DISTANCE FROM POLE										TOTAL ARM LENGTH	DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN														
									1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19			20	A	H1	W1
EXISTING INC. LOADING																																		
3-4	T-5		EXIST.		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	V	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.	N	Y	V	N	29.5	3	41.5	3	53.5	3	73.0	3	76.0	3	-	-	-	EX.	EX.	2'	9'							70.5'	EXIST.
3-5	T-5	17+52.3 : 39.4' LT	11.0'	1	11.7'	N	Y	V	N	3.0	3	13.5	3	23.5	3	31.5	3	38.5	4	39.5	4	48.0	3	44.50'	22'	3.5'	2'	5'	8'	2'			37'	GALVANIZED
* INDICATES FLEXIBLE BACKDRIVES																																		

*INDICATES FLEXIBLE BACKPLATES

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

REVISIONS		ENGINEER OF RECORD		City of North Port ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA	STANDARD MAST ARM TABULATION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
			NICOLE R. HECK, P.E. LICENSE NUMBER: 84300 KIMLEY-HORN AND ASSOCIATES, INC. 200 SOUTH ORANGE AVENUE, SUITE 600 ORLANDO, FL 32801			T-7

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)	FD(in)	FE(ft)	FG(in)	FH(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(ft)	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 NUMBER	First Arm Camber Angle = 2 Degrees											SECOND ARM CONNECTION (in)											Second Arm Camber Angle = 2 Degrees					
	#Bolts	HT	FJ	FK	FL	FN	FO	FP	FR	FS	FT	#Bolts	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											
	#Bolts	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)	LJ(in)	LK(in)	LL(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

DATE BY

CITY OF NORTH PORT

ROUNDABOUT AT
S. CHAMBERLY BLVD. AND HILLSBOROUGH BLVD.
SARASOTA AND CHARLOTTE COUNTIES, FLORIDAJOSEPH A. ROBERTS
LICENSE NUMBER 78547
KIMLEY-HORN AND ASSOCIATES, INC.
200 S. ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801

SHEET TITLE

SPECIAL MAST ARM DATA TABLES

EXHIBIT A, 83 OF 87

SHEET NO.

T-8

DATE Dwg. No.

1/24/2024

4/6/25 AM

K:\NUL\Structures\Projects\Structures\East Area\04090302_Corridor and H&I

CITY OF NORTH PORT

LIGHTING PLANS

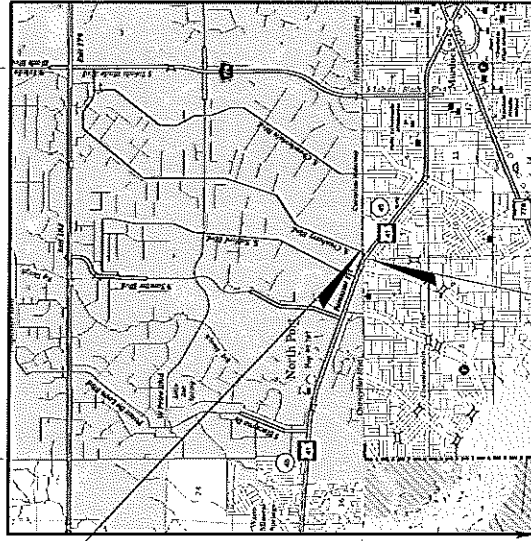
S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD.
 ROUNDABOUT



INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	MANUFACTURE OF QUANTITIES
L-3	PLAN SHEETS
L-4	POLE DATA AND LEGEND
L-5	SERVICE POINT DETAILS
L-6	LIGHT-POLE DETAIL SHEET
L-7	

END LIGHTING
 STA. 26+26.55



T-39-S
 T-40-S

T-39-S
 T-40-S

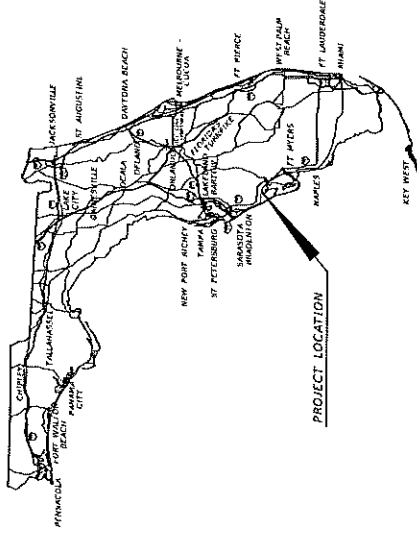
GOVERNING STANDARD PLANS:
 Florida Department of Transportation, FY 2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: None

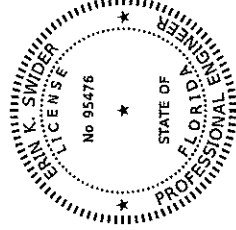
GOVERNING STANDARD SPECIFICATIONS:

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>



PROJECT LOCATION

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.

LIGHTING PLANS
ENGINEER OF RECORD:

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

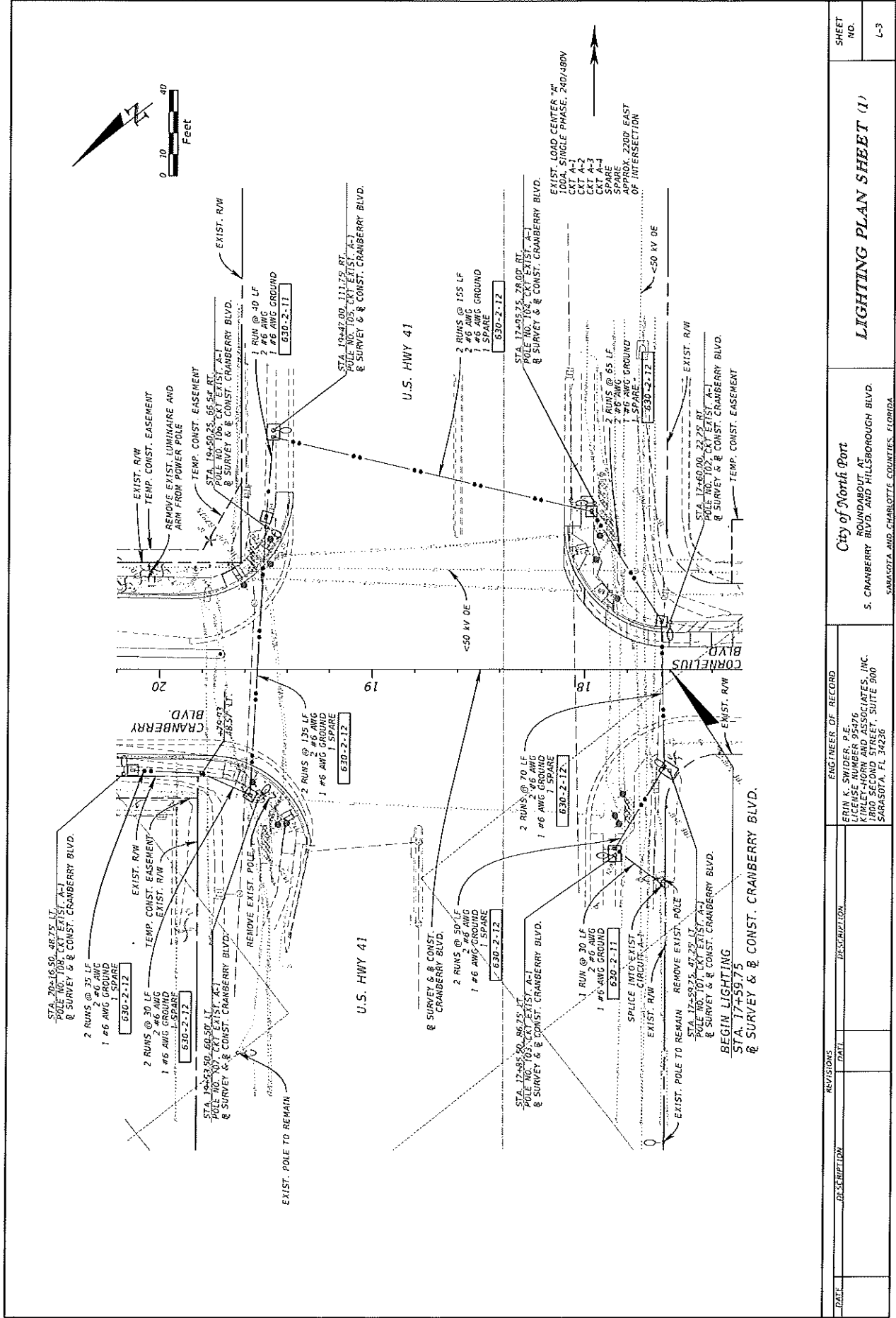
CITY OF NORTH PORT
PROJECT MANAGER:
 ANTHONY FRIEDMAN, P.E.

FDOT PERMIT
SUBMITTAL
FEBRUARY 2025

SR 35
 SECTION: 0101000
 M.P. 25.337 - 25.946
 PERMIT # 2023-C-192-00003 - CONSTRUCTION AGREEMENT
 PERMIT # 2023-D-192-00014 - DRAINAGE

FISCAL YEAR	SHEET NO.
25	L-1

Exhibit A, 84 of 87



PROPOSED LOAD CENTER A
120/240 V. SINGLE PHASE, 2 WIRE + GROUND
STA. 25+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
1	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

DATE		REVISIONS		ENGINEER OF RECORD		City of North Port		SHEET NO.	
DESCRIPTION		DATE		TERIN K. SWIDER, P.E. KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900 SARASOTA, FL 34236		ROUNDABOUT AT S. CRANBERRY BLVD. AND HILLSBOROUGH BLVD. SARASOTA AND CHARLOTTE COUNTIES, FLORIDA		L-6	
SERVICE POINT DETAILS									Exhibit A, 97 of 87