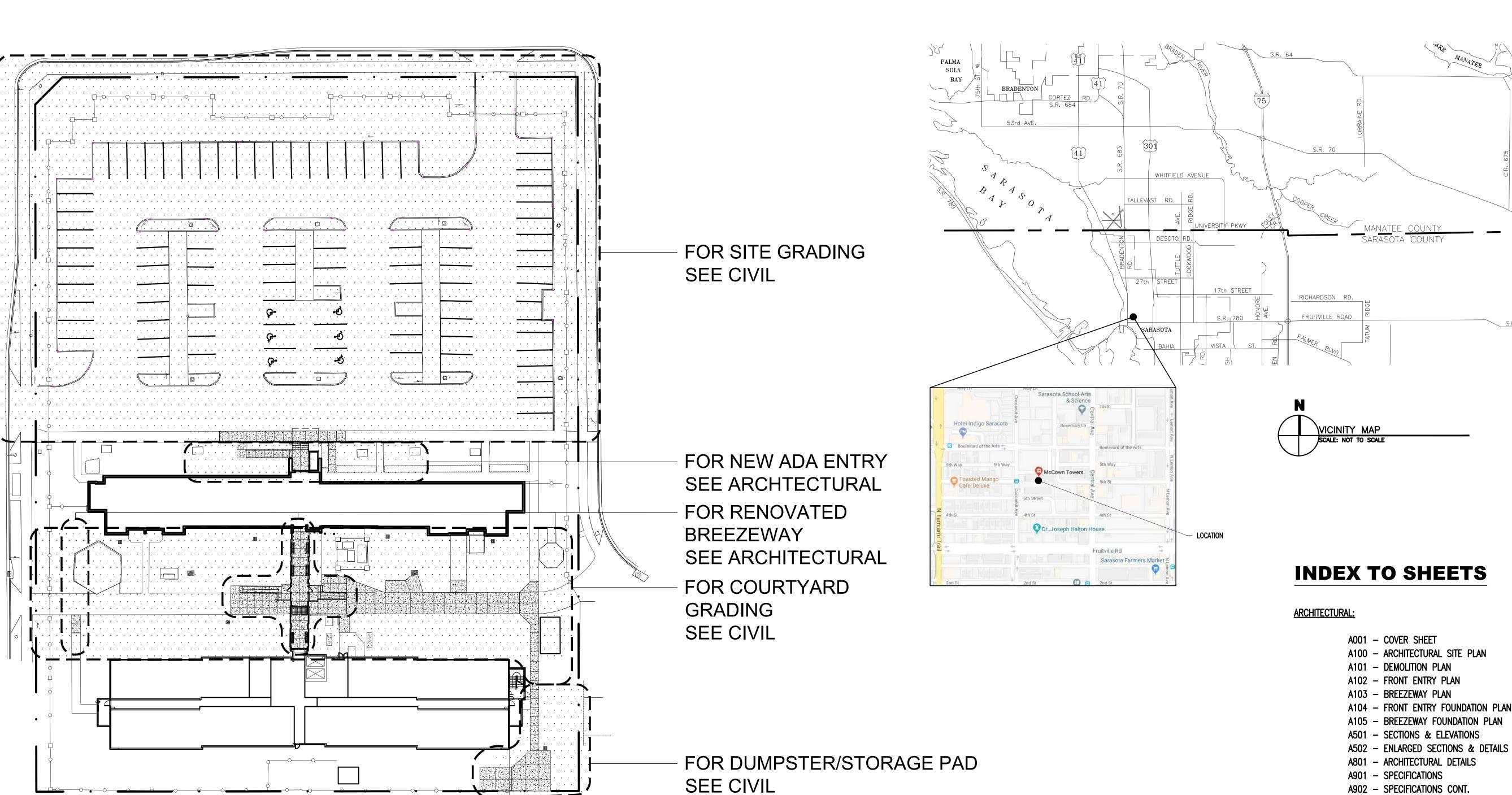
RENOVATION OF THE SHA MCCOWN ANNEX PARKING AND ADA ENTRANCE



SCOPE OF WORK

MCCOWN AND ADA

REVISIONS

PROJECT NO: 2017-39 DATE: 06-25-18 CHK'D BY:

A902 - SPECIFICATIONS CONT.

1 - COVER SHEET 2 - DEMO PLAN 3 - SITE PLAN

5 - DETAILS

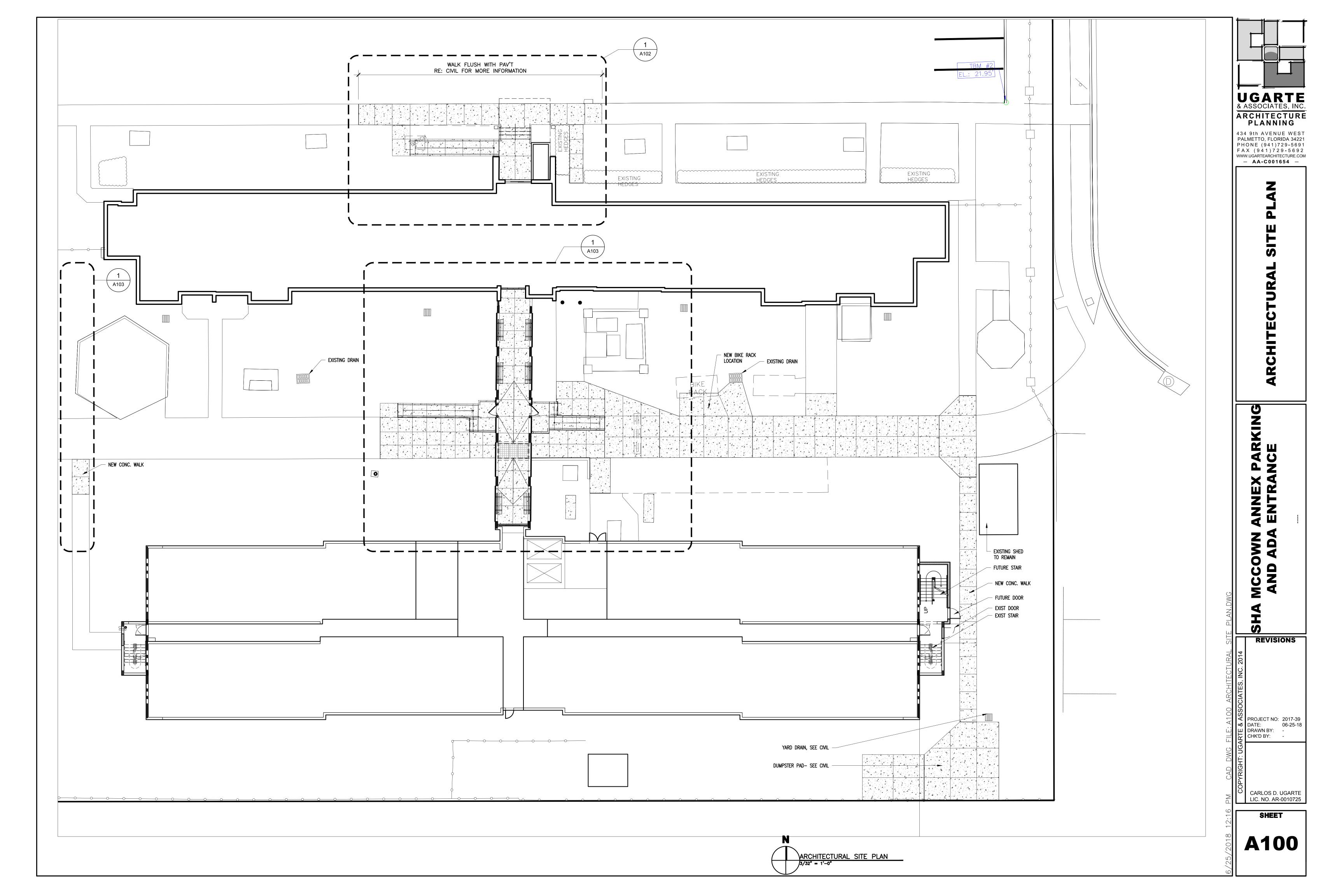
4 - ENLARGEMENT PLAN

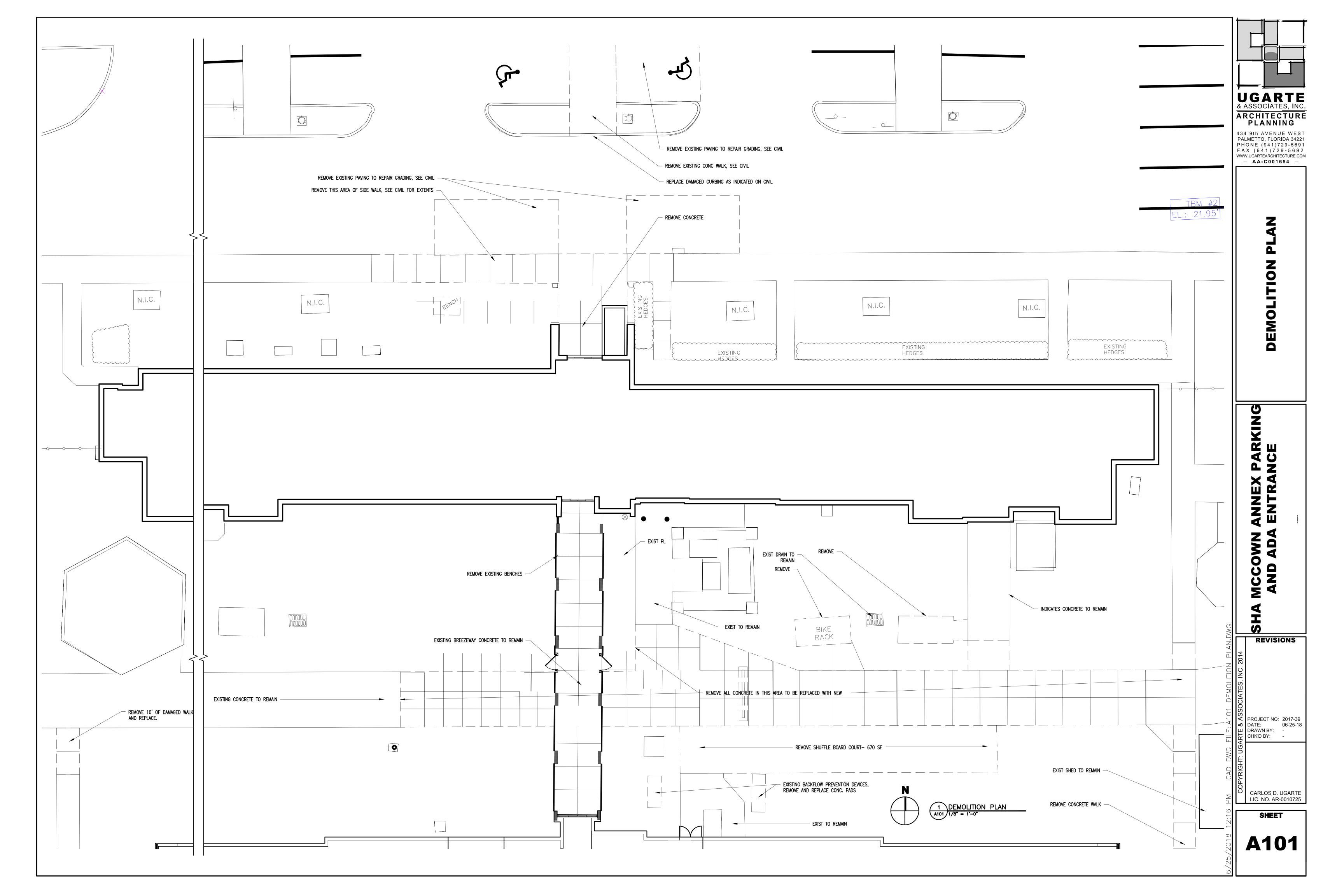
6 - GENERAL NOTES

CIVIL:

S903 - FDOT-870-2013 STANDARDS

CARLOS D. UGARTE LIC. NO. AR-0010725





ALTERNATE DEDUCT 1- DEDUCT THE COST OF THE DRAIN IN THE SOUTH EAST AREA ADJACENT TO THE NEW DUMPSTER PAD. INCLUDE DRAIN BOX, PIPE, GREASE TRAP AND ALL ITEMS ASSOCIATED WITH THE BOX PER THE GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS. SEE CIVIL DRAWING FOR DETAILS AND INFORMATION ON THE DRAIN.

GENERAL NOTES:

- 1. CONCRETE SHALL BE SUPPLIED IN ACCORDANCE WITH ACI-318 TO ACHIEVE A 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. UNLESS OTHERWISE NOTED.
- 2. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM-185 AND A-497, GRADE 60.
- 3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60. 4. UNLESS OTHERWISE INDICATED, CONCRETE COVER SHALL BE: 1. FOUNDATIONS, FOOTINGS_____
- 3. GRADE BEAMS______3" TOP & SIDES, 6" BOTTOM 4. MASONRY WALLS & COLUMNS___CENTERED 6. SLABS (EXPOSED TO WEATHER)__1-1/2"
- 5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE STARTING WORK; BRING ALL DISCREPANCIES TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING WITH WORK. 6. USE A SUPER PLASTICIZERS ADDITIVE TO AVOID ADDING WATER TO THE MIX.
- 7. ALL CONCRETE WALKWAYS SHALL HAVE A BROOMED NON-SKID FINISH. 8. ALL CONTROL JOINTS SHALL BE 1 1/2" DP SAWCUT JOINTS OR 1" DP WET CUT W/ HIGH SPEED SAW SUCH AS 'SOFF-CUT' OR APPROVED EQUAL. CUT AS SOON AS SLAB CAN BE WALKED ON BUT NO LATER THAN 4 HRS AFTER FINISHING.
- 9. UNLESS INDICATED OTHERWISE, ALL CONCRETE SHALL BE READY-MIXED CONCRETE WITH STANDARD STONE AGGREGATE(144 PCF).
- 10. CONTROL JOINT SPACING SCHEDULE 4 INCH CONCRETE SLAB-----10 FT MAX EA WAY 5 INCH CONCRETE SLAB-----13 FT MAX EA WAY
- 11. STAIR NOSING (EACH RISER INCLUDING THE TOP) BABCOCK DAVIS: STAIR TREAD, CAST SERIES MODEL: BSTCA-C3W: 3" CAST ALUMINUM CROSSHATCH SHORT NOSING FOR CONCRETE, WING ANCHOR OR APPROVED EQUAL

6 INCH CONCRETE SLAB-----15 FT MAX EA WAY

- 12. PAINTING CMU LOCATION: VERTICAL SURFACES INCLUDING RAMP AND STAIR EDGES, RISERS, BREEZE WAY VERTICAL SURFACES AND CEILING, EXTERIOR AND INTERIOR. DO NOT PAINT HORIZONTAL CONCRETE SURFACES. PAINTED SHERWIN WILLIAMS (OR APPROVED EQUAL) PRIMER AND 2 FINISH COATES 'LOXON' SERIES - COLOR: TO BE SELECTED BY ARCHITECT.
- 13. TRENCH COVER SHALL BE TRENWA PEDESTRIAN FIBERLITE LPF WITH SQUARE EDGES. CONTACT KIM GREENE 859-781-0831 X23, KGREENE@TRENWA.COM
- 14. BENCH- BELSON OUTDOORS CLASSIC STYLE THERMOPLASTIC COATED PARK BENCH MODEL# 940SM-V6(SURFACE MOUNT) BIEGE OR EQUAL. 800-323-5664. OR APPROVED EQUAL.

UGARTE ARCHITECTURE

PLANNING 434 9th AVENUE WEST PALMETTO, FLORIDA 34221 PHONE (941)729-5691 FAX (941)729-5692 WWW.UGARTEARCHITECTURE.COM - AA-C001654 -

0

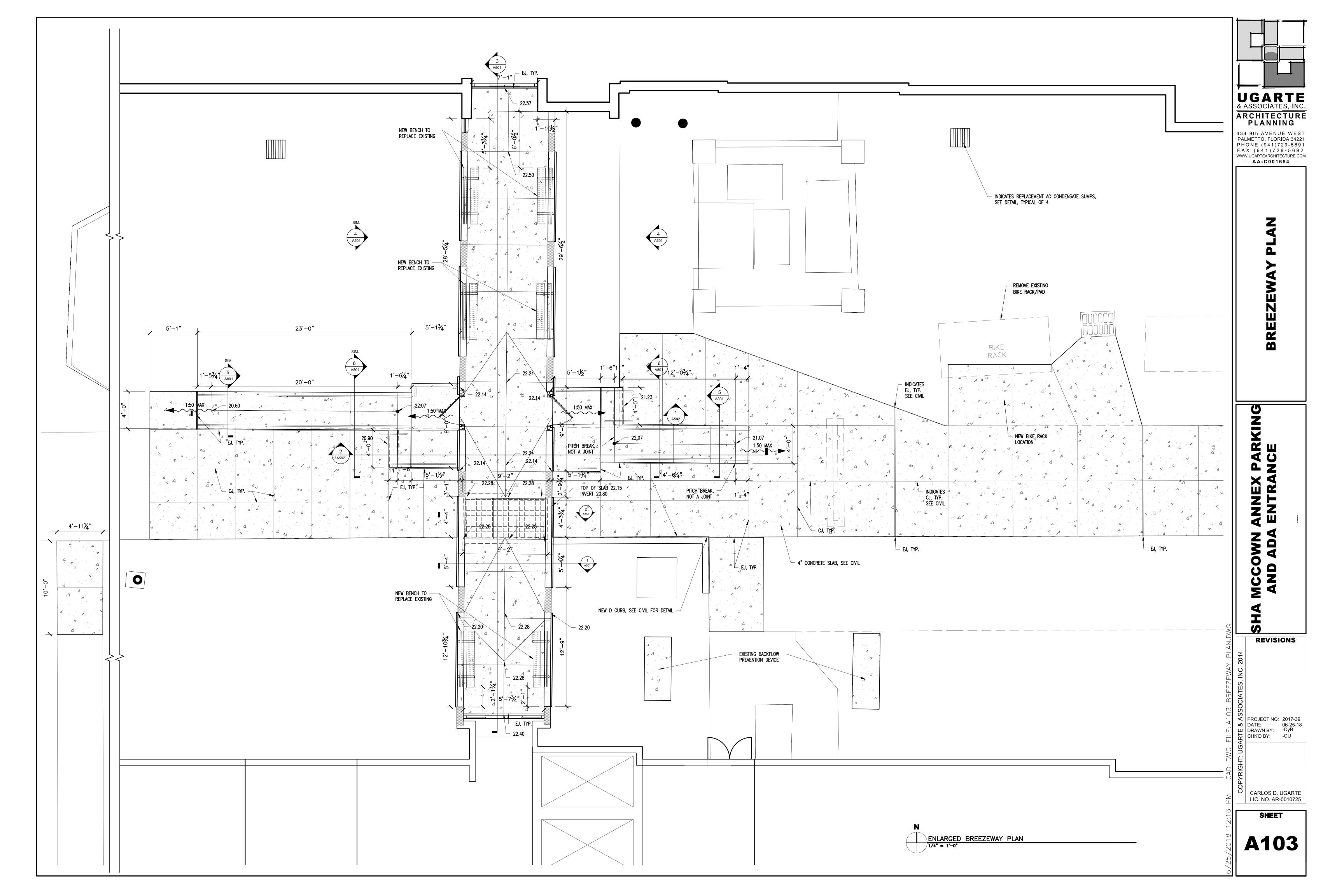
ICCOWN AND ADA

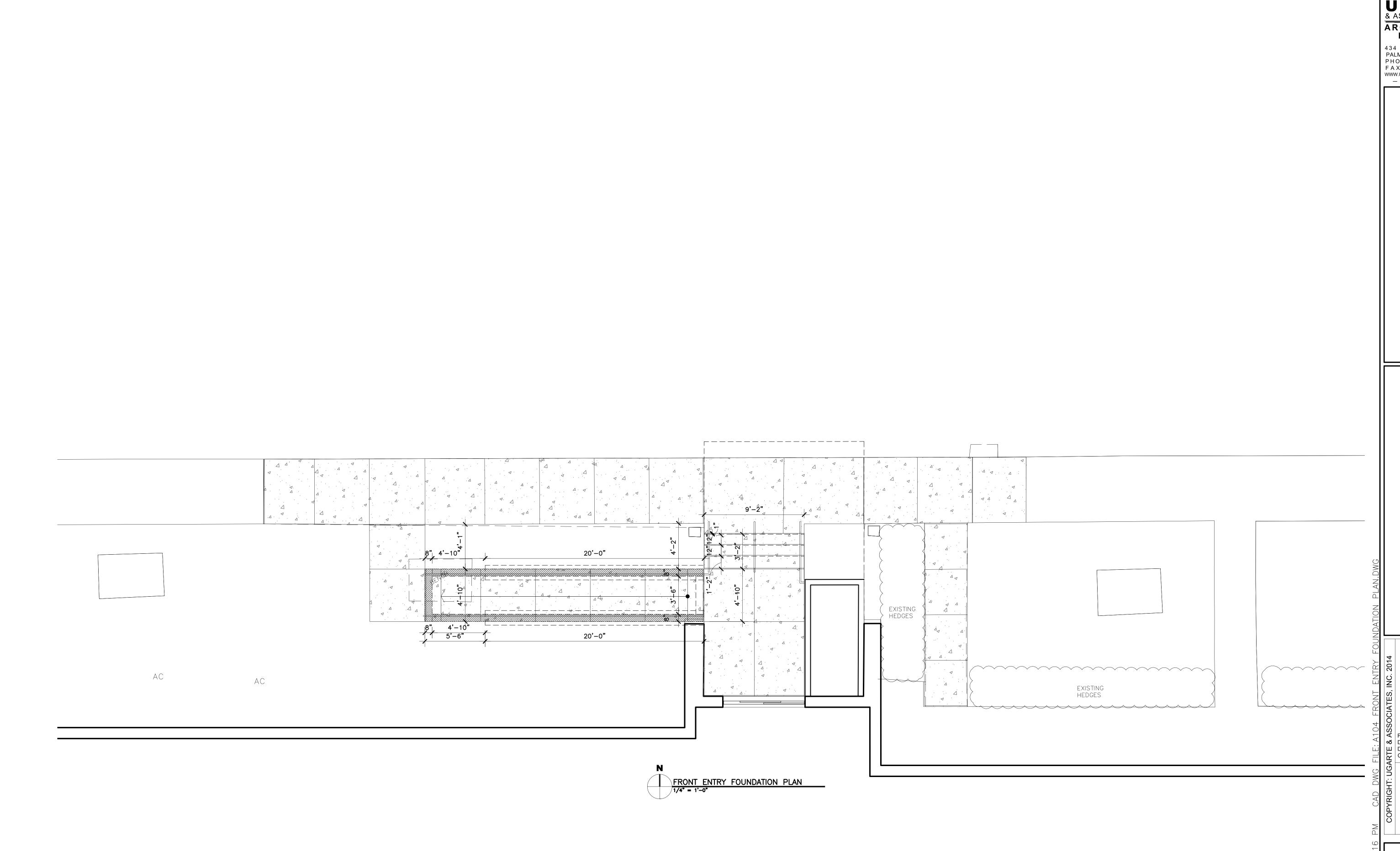
REVISIONS

PROJECT NO: 2017-39 ∞ DATE: ш DRAWN BY: -Dy B CHK'D BY: -CU

CARLOS D. UGARTE LIC. NO. AR-0010725

SHEET





UGARTE & ASSOCIATES, INC. ARCHITECTURE PLANNING

434 9th AVENUE WEST PALMETTO, FLORIDA 34221 PHONE (941)729-5691 FAX (941)729-5692 WWW.UGARTEARCHITECTURE.COM — AA-C001654 —

> ENTRY FOUNDATION PLAN

MCCOWN ANNEX PARKING AND ADA ENTRANCE

REVISIONS

REVISIONS

OOSOO PROJECT NO: 2017-39

✓ PROJECT NO: 2017-39

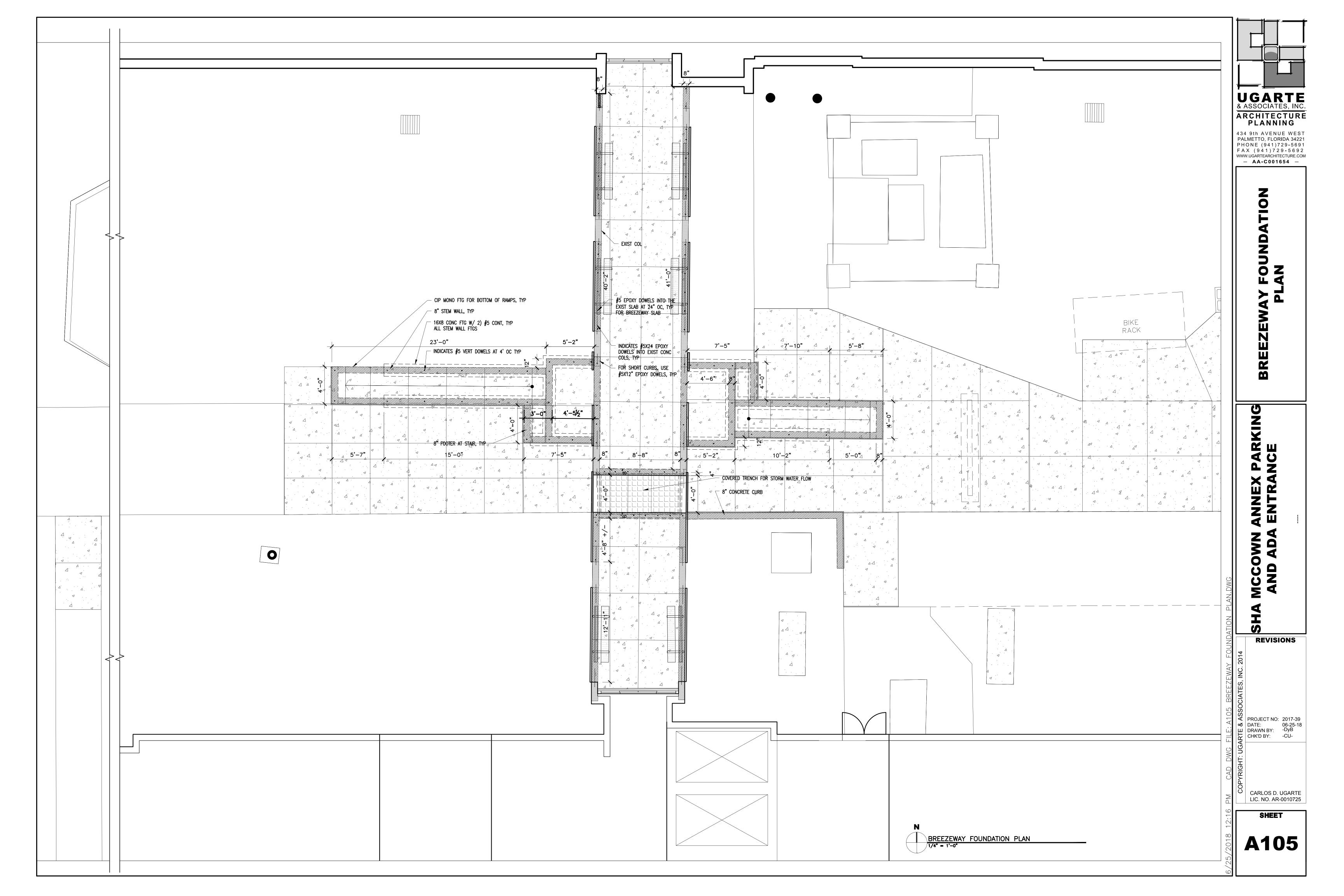
✓ DATE: 06-25-18

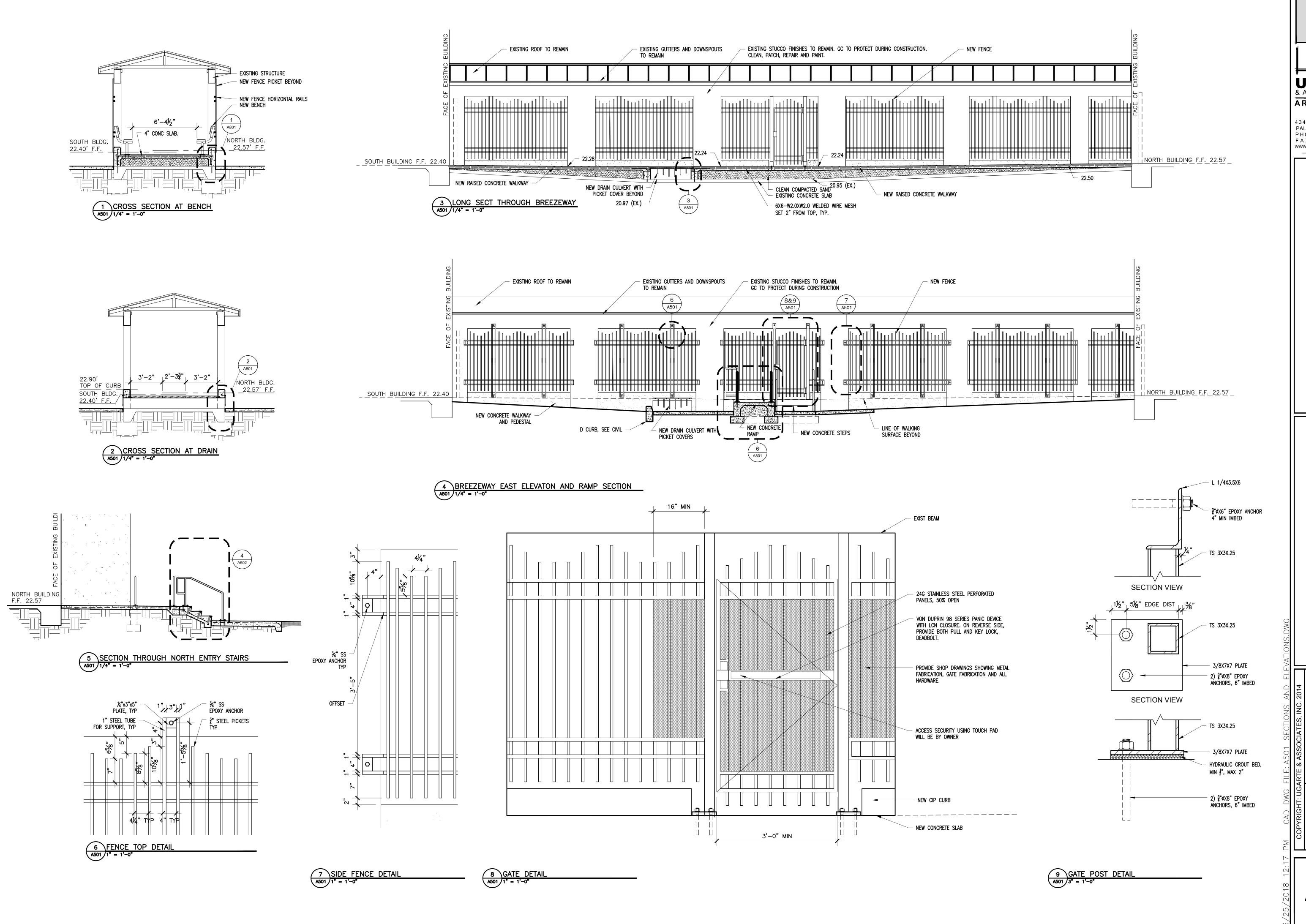
□ DRAWN BY: -DyB

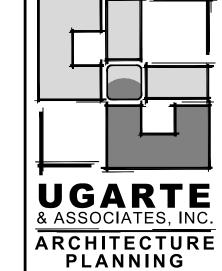
CHK'D BY: -CU

CARLOS D. UGARTE LIC. NO. AR-0010725

SHEET







434 9th AVENUE WEST PHONE (941)729-5691

PALMETTO, FLORIDA 34221 FAX (941)729-5692 WWW.UGARTEARCHITECTURE.COM - AA-C001654 -

> り 0

MCCOWN AND ADA

REVISIONS

ОР РВОЈЕСТ NO: 2017-39

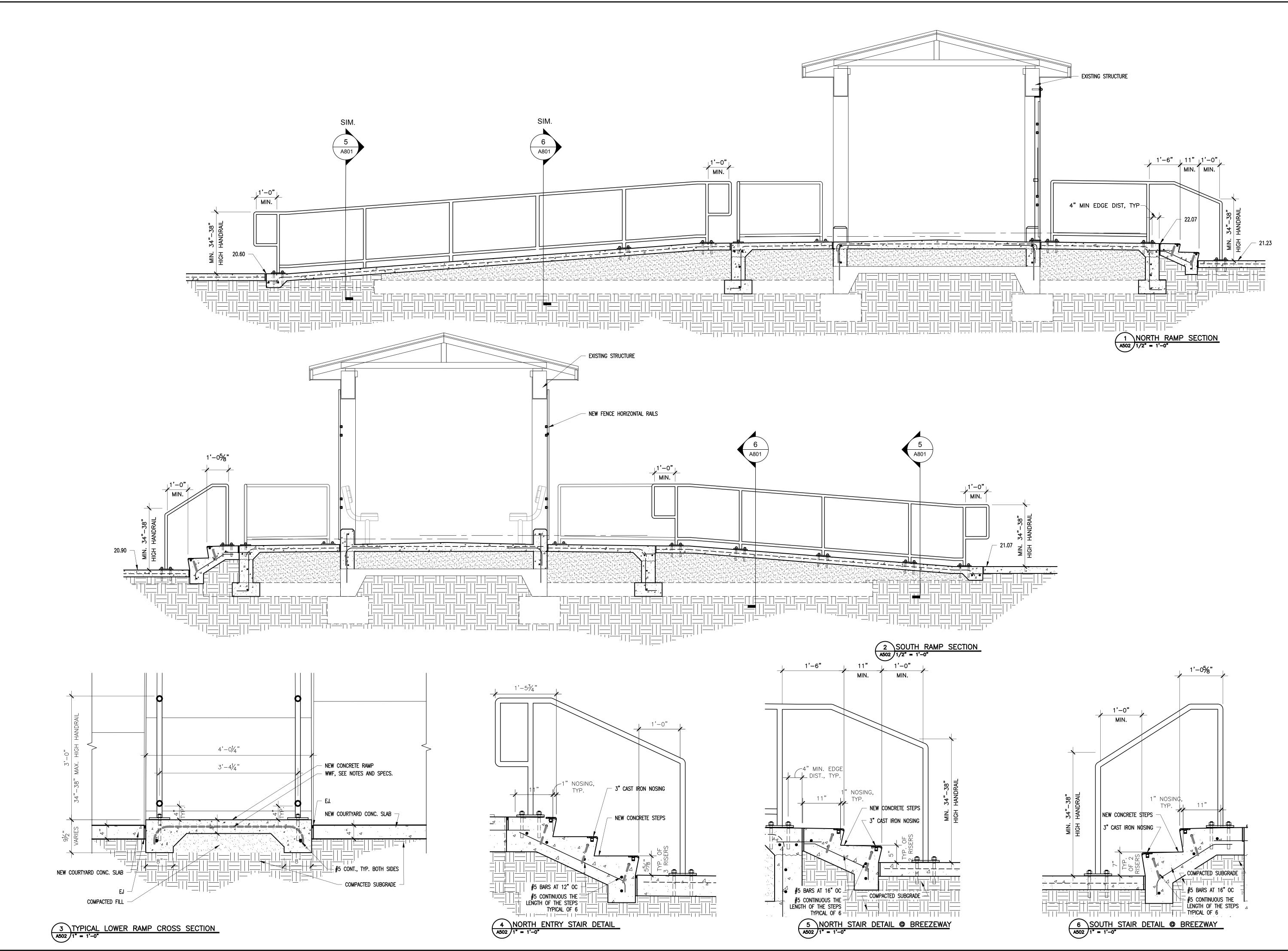
В DATE: 06-25-18

В DRAWN BY: -DyB

СНК'D BY: -CU

CARLOS D. UGARTE LIC. NO. AR-0010725

SHEET **A501**



UGARTE & ASSOCIATES, INC. ARCHITECTURE

434 9th AVENUE WEST PALMETTO, FLORIDA 34221 PHONE (941)729-5691 FAX (941)729-5692 WWW.UGARTEARCHITECTURE.COM — AA-C001654 —

PLANNING

SNS &

NLARGED SECTIONS DETAILS

MCCOWN ANNEX PARKING
AND ADA ENTRANCE

REVISIONS

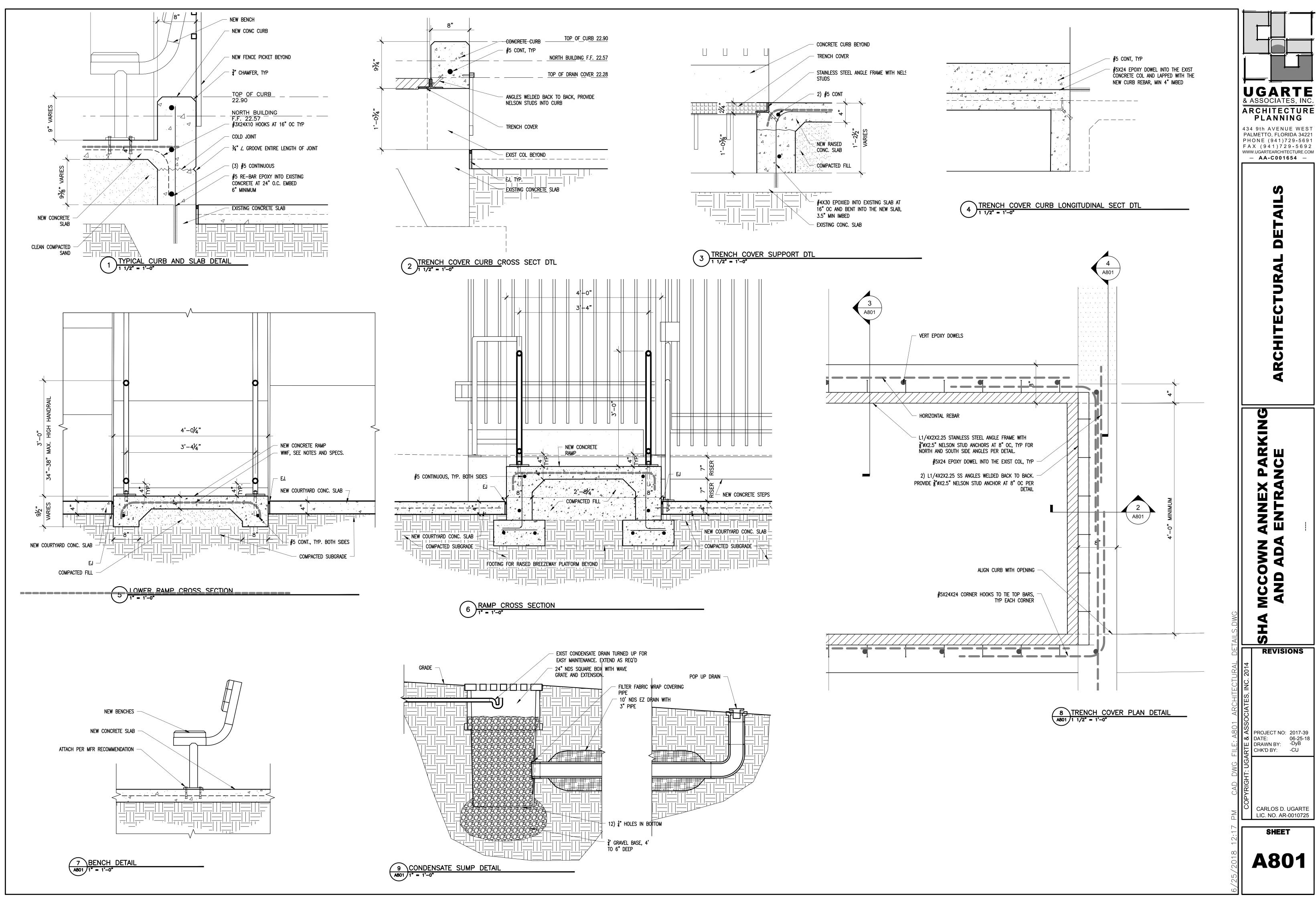
DRAWN BY: -CU

CHK'D BY: -CU

CHK'D BY: -CU

CARLOS D. UGARTE LIC. NO. AR-0010725

SHEET



UGARTE

PLANNING 434 9th AVENUE WEST PALMETTO, FLORIDA 34221 PHONE (941)729-5691 FAX (941)729-5692

WWW.UGARTEARCHITECTURE.COM - AA-C001654 -

MCCOWN AND ADA

REVISIONS

 V
 PROJECT NO: 2017-39

 S
 DATE: 06-25-18

 □
 DRAWN BY: -DyB

 CHK'D BY: -CU

CARLOS D. UGARTE LIC. NO. AR-0010725

I. PROJECT DIRECTORY

PROJECT: Renovation of the SHA MCCOWN ANNEX PARKING

AND ADA ENTRANCE 1300 Blvd of the Arts Sarasota, Florida 34234 Job No. 2017-39

ARCHITECT: Ugarte & Associates, Inc. 434 9th Avenue West Palmetto, Florida 34221 T: 941-729-5691

CIVIL ENGINEER: WRCook Engineering, LLC 3012 Riverview Blvd Bradenton, Florida 34205

T: 941-224-4839

II. INSTRUCTIONS TO BIDDERS A. The American Institute of Architects, AIA Document A701 Instructions to Bidders, 1997 Edition, is the

and forms part of the Contract Documents. B. AIA Document A701 is adopted in this document by reference to the same extent as if bound herein.

Instructions to Bidders between the Owner and Bidder

- SUMMARY OF WORK: This contract provides for improvements to the existing parking lot, walkways, breezeway and security as described in the documents entitled RENOVATION OF THE SHA MCCOWN ANNEX PARKING AND ADA ENTRANCE, SARASOTA, FLORIDA and dated May 2, 2018. The Work includes re-grading the parking lot and improvements to the entry to better meet accessibility requirements. For security, the breezeway connecting the two apartment buildings is proposed to be enclosed with metal fencing and provides new accessible ramps and stairs. The gates will be electronically secured. The concrete walkway in the courtyard is mostly to be demolished and then replaced in kind. Additional new concrete paving is proposed for the rear to enhance garbage pick-up. The Sarasota Housing Authority will coordinate the finger print access system for the gates and that is not in this Contract.
- D. The following supplements modify the Instructions to Bidders, AIA Document A701, 1997 Edition. Where a portion of the Instructions to Bidders is modified or deleted by these supplements, the unaltered portions of the Instructions to Bidders shall remain in effect. The terms used in these supplements which are defined in the Instructions to Bidders, AIA Document A701, 1997 Edition, have the meanings assigned to them in the Instructions to Bidders.

ARTICLE 2, BIDDERS REPRESENTATIONS, SUBPARAGRAPH 2.1.3, shall be amended to include the following: Bidder shall acquaint themselves with governing laws, codes, ordinances, regulations and subdivision covenants.

ARTICLE 2, BIDDERS REPRESENTATIONS, SUBPARAGRAPH 2.1.4, shall be amended to include the following: All materials, installation and systems shall be provided with necessary current and new parts, components, and connections to be complete and functional at time of contract closeout whether expressly stated in documents or not. Failure to become familiar with Contract Documents and existing site conditions will not relieve successful Bidder from necessity of furnishing materials or performing work to complete the Work in accordance with Contract Documents without additional cost to Owner.

ARTICLE 2, BIDDERS REPRESENTATIONS, shall be amended to add the following subparagraph 2.1.5: The Bidder and all workmen, including temporary contracted laborers, employees and subcontractors are skilled and experienced in the type of construction represented by the construction contract documents bid upon.

ARTICLE 2, BIDDERS REPRESENTATIONS, shall be amended to add the following subparagraph 2.1.6: Bidder shall verify locations of ALL overhead and underground utilities including, but not limited to, telephone, gas, electrical, CATV, sewer, water, underground drainage systems, et cetera. It shall be the contractor's responsibility to procure and provide adequate location firms to locate and stake all utilities and include the cost of all required work on and fees for said utilities in his Base Bid. If Bidder provides an allowance amount, Bidder shall provide clear documentation of how allowance amount was determined.

ARTICLE 3, BIDDING DOCUMENTS, SUBPARAGRAPH 3.1.3. shall be amended to include the following: Trade Contractors and Subcontractors shall be required to examine and review a full set of Bidding Documents to ensure that any items that are necessary or are a part of his work that are included in a separate section of the construction documents are also included in his Bid.

ARTICLE 3, BIDDING DOCUMENTS, PARAGRAPH 3.3 SUBSTITUTIONS, shall be amended to add the following subparagraph 3.3.5: Re-engineering of systems or assemblies including fees for re-engineering, if required, shall be identified and included in substitution. Revisions to drawings, coordination time required by Architect/Engineer to review proposed substitution will be billed to bidder/contractor at Architect's/Engineer's current hourly

ARTICLE 5, CONSIDERATION OF BIDS, PARAGRAPH 5.3, ACCEPTANCE OF BID (AWARD), SUBPARAGRAPH 5.3.1, shall be modified to read: It is the intent of the Owner to award a Contract to the most qualified Bidder, provided the Bid has been submitted in accordance with the requirements of the Bidding Documents and does not exceed the funds available. The Owner shall have the right to waive informalities and irregularities in a Bid

received and to accept a Bid and/or reject a Bid, which, in the Owner's judgment, is in the Owner's own best interest.

III. SPECIAL CONDITIONS

- A. The following work shall be provided by Owner under separate contract
 - Gate Security: Sarasota Housing Authority will coordinate the finger print access system for the

IV. GENERAL CONDITIONS

- A. The American Institute of Architects, AIA Document A201 General Conditions of the Contract for Construction, 2017 Edition, is the General Conditions between the Owner and Contractor and forms part of the Contract Documents.
- B. AIA Document A201 is adopted in this document by reference to the same extent as if bound herein.
- Refer to Supplementary Conditions for amendments to these General Conditions.

V. SUPPLEMENTARY CONDITIONS

The following supplements modify the "General Conditions of the Contract for Construction," AIA Document A201, 2017 Edition. Where a portion of the General Conditions is modified or deleted by these Supplementary Conditions, the unaltered portions of the General Conditions shall remain in effect. The terms used in these Supplementary Conditions, which are defined in the General Conditions of the Contract for Construction, AIA A201 - 2017 Edition have the meanings assigned to them in the General Conditions.

ARTICLE 1, GENERAL PROVISIONS, SUBPARAGRAPH 1.1.1, THE CONTRACT DOCUMENTS, shall be modified to include the following: The Contract Documents shall include the signed Bid Form as submitted.

ARTICLE 1, GENERAL PROVISIONS, SUBPARAGRAPH 1.2.1, CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS, shall be amended to add the following: Architect shall be notified in writing prior to receipt of bids of conflicts, occurring in or between Drawings and Project Manual. In a case of inconsistency between Drawings and Project Manual, the Architect will make a written interpretation. Failure to give notice and to have received clarification shall not relieve Contractor from responsibility of accomplishing work in accordance with directions of, and interpretations by, Architect subsequent to receipt of bids at no additional cost to Owner.

ARTICLE 1, GENERAL PROVISIONS, shall be amended to add the following subparagraph 1.2.4: Drawings and general provisions of the Contract including General Conditions, Supplementary Conditions, and Sections of Division 01 - General Requirements govern the execution of all Divisions and Sections of the Project Manual as well as the Bidding and Contract Documents.

ARTICLE 3, CONTRACTOR, PARAGRAPH 3.1, GENERAL, shall be amended to add the following subparagraph 3.1.4: Contractor and all subcontractors shall be currently licensed to perform their work within the jurisdiction of the project.

ARTICLE 3. CONTRACTOR, PARAGRAPH 3.3. SUPERVISION AND CONSTRUCTION PROCEDURES, shall be amended to add the following subparagraph 3.3.4: The Contractor shall, immediately upon entering project site for purpose of beginning work, locate bench marks and general reference points and lay out his own work and be responsible for lines, elevations, zoning setbacks, and measurements of building and work executed by him under the Contract. He shall exercise proper precaution to verify figures shown on Drawings before laying out his work and will be responsible for any error resulting from his failure to exercise such precaution. No physical work shall be performed on site until Contractor has filed NOTICE OF COMMENCEMENT with Clerk of the Circuit Court and a recorded copy of NOTICE OF COMMENCEMENT has been prominently posted at the site and a copy delivered to the Owner and Architect. Unless otherwise agreed to between Owner and Contractor, contractor shall provide full-time, on site supervisory personnel to administer the project from inception to completion.

ARTICLE 3, CONTRACTOR, SUBPARAGRAPH 3.7.1, PERMITS, FEES, AND NOTICES, shall be amended to read: Contractor will secure and pay for plan review and the building, site, work, landscape work, mechanical, electrical, and plumbing permits. The Contractor shall also secure and pay for all other permits and governmental fees, licenses, and inspections necessary for proper execution of and completion of the Contract, which are legally required when bids are received, or negotiations concluded.

ARTICLE 3, CONTRACTOR, PARAGRAPH 3.10, CONTRACTOR'S CONSTRUCTION SCHEDULES; shall be amended to add the following sub-paragraph 3.10.4: Contractor's Construction Schedule shall be coordinated and approved with Owner to avoid excessive and untimely interruptions and inconveniences to Owner's operations and provide an efficient and orderly construction schedule.

ARTICLE 3, CONTRACTOR, PARAGRAPH 3.13, USE OF SITE; shall be amended to add the following subparagraph 3.13.2: Areas of site, which may be used by Contractor, are limited and shall be approved by Owner before starting work. Contractor shall maintain construction area and clean site and construction area upon completion of each day's work. Contractor shall maintain access to buildings at all times.

ARTICLE 3, CONTRACTOR, PARAGRAPH 3.15, CLEANING UP, shall be amended to add the following subparagraph 3.15.3: Contractor shall replace broken and scratched glass; remove stains, marks, and dirt from decorated work; clean hardware and glass; remove paint spots and smears from all surfaces; clean fixtures; and

wash or clean all floors in construction areas. Remove debris from CMU and wall cavities prior to concealing cavities.

ARTICLE 11, INSURANCE AND BONDS, shall be amended to include insurance as mutually agreed upon between Owner and Contractor. Contractor shall provide insurance coverage with bid to Owner, but is subject to Owner acceptance or shall be altered to become mutually agreed upon. Prior to commencement of work, Contractor shall submit to Owner Certificate of Insurance indicating coverage types and amounts.

Property Insurance/Builders Risk Insurance: Will be Purchased by

ARTICLE 11, INSURANCE AND BONDS, SUBPARAGRAPH 11.1.1; shall be amended to add the following: Contractor's liability policy shall name Owner and Architect as additional insured. Prior to commencement of work, Contractor shall submit to Owner and Architect copy of liability policy, with additional names listed.

ARTICLE 11, INSURANCE AND BONDS, PARAGRAPH 11.3, PROPERTY INSURANCE, shall be amended to include the following clause 11.3.1.1: The form of policy for this coverage shall be completed value.

VI. SPECIFICATIONS

DIVISION 01 - GENERAL REQUIREMENTS

01 10 00 – SUMMARY

A. GENERAL:

1. Limit use of site and premises to Owner, Owner's Representative, Contractor and others performing Work under this Contract. Limit construction operations to areas approved by Owner and as depicted in Contract Documents. Smoking in building and with-in 25 feet of building shall be prohibited. Time restrictions for work shall comply with local ordinances and Owner allowances. Contractor shall be responsible for maintaining and repairing (if damaged as result of construction) all existing roads and parking areas, utilities and services. If damage exists, photo document as soon as discovered and report it to Owner/Architect. This shall include verifying, locating and marking <u>all</u> existing utility and service lines.

01 25 00 – SUBSTITUTION PROCEDURES

A. GENERAL:

- 1. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.
 - a. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
 - Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required in order to meet other Project requirements but may offer advantage to Contractor or Owner.
- Substitution Requests: Show compliance with requirements for substitutions to meet or exceed project requirements in accordance with Architects documentation requirements.
- Substitutions: a. Substitutions for Cause: Submit requests for substitution immediately on discovery of need for change, but not later than 15 days prior to time required for preparation and review of related submittals.
- Substitutions for Convenience: Not
- allowed unless otherwise indicated. 4. Costs, if any, for Architect review, engineering, or Drawing changes for substitutions will be charged to Contractor or Owner and deducted from Contract sum by change order.

01 31 00 – PROJECT MANAGEMENT AND COORDINATION

A. GENERAL:

- 1. Project Management and Coordination a. Verify layout information shown on Drawings, in relation to property survey and existing
- benchmarks, before laying out the Work. Coordinate construction to ensure efficient and orderly execution of each part of the work.
- 2. Construction Schedule: a. Prepare a Gantt chart construction schedule. Use same breakdown of work indicated in the Schedule of Values. As work progresses, provide updated schedule to indicate actual completion.
 - 1. Submit to Owner and Architect within 14 days after date established for commencement of the work.
 - Submit date established as Notice of Commencement, which contract time is based on.

3. Submittals:

- a. Coordinate submittal preparation with construction schedule, fabrication lead-times, other submittals, and activities that require sequential operations.
- Submit samples finished as specified and identical with material proposed. Where variations are inherent in the material, submit sufficient units to show limits of the variations. c. Architect will not accept submittals from
- sources other than Contractor.

d. Product Data: Mark each copy to show applicable choices and options. Include the following:

standards and requirements.

- Data indicating compliance with specified
- Notation of coordination requirements. For equipment data, include rated capacities, dimensions, weights, required clearances, and furnished specialties and
- e. Shop Drawings: Submit newly prepared information drawn to scale. Do not reproduce Contract Documents or copy standard information. Submit electronically (PDF format), no larger than 24 x 36". Include the

accessories.

- following: 1. Dimensions, profiles, methods of attachment, coordination with adjoining work, large scale details, and other
- information, as appropriate for the work. Identification of products and materials.

Notation of coordination requirements.

- Notation of dimensions established by field measurement. Identification of deviations from Contract
- Documents. f. Architect will review each submittal, mark as appropriate to indicate action taken, and return. Compliance with specified requirements

remains Contractor's responsibility.

01 32 00 – CONSTRUCTION PROGRESS DOCUMENTATION

A. GENERAL

- 1. Coordination:
 - a. Coordinate Contractor's Construction Schedule with the schedule of values, list of subcontracts, submittal schedule, progress reports, payment requests, and other required schedules and
 - b. Time Frame: Extend schedule from date established for commencement of the Work to date of Substantial Completion.
 - c. Construction Areas: Identify each major area of construction for each major portion of the Work. Indicate where each construction activity within a major area must be sequenced or integrated with other construction activities.
 - d. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.
 - e. Distribution: Distribute copies of approved schedule to Architect, Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
- 2. Reports: a. Site Condition Reports: Immediately on discovery of a difference between site conditions and the Contract Documents prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing
 - the Contract Documents. b. Unusual Event Reports: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, responses by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.
- 3. Requests for Information (RFI's): a. Immediately on discovery of the need for
- additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified. 1. Include Project information: RFI subject, project name, number, date, specification section, drawing number and location,
- Number RFI, sequentially. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
- Contractor's signature. b. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
- c. RFI Forms: AIA Document G716. Forms and attachments shall be provided in electronic PDF d. Architect will review each RFI, determine
- action required, and respond. Allow seven working days for Architect's response for each RFI and each submittal of RFI. RFIs received by Architect or Construction Manager after 1:00 p.m. will be considered as received the following working day.
 - 1. Requests for approval of submittals, substitutions, Contractor's means and methods, Contract Time or Contract Sum changes, etc. will be returned without action.
- e. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log monthly or as requested by Architect. Log information shall meet or exceed Architect's requirements.

On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within seven days if Contractor disagrees with response

01 40 00 – QUALITY REQUIREMENTS

A. GENERAL:

- Quality-control services include inspections, tests, and related actions including reports. Quality-control services are further specified in other Sections of these Specifications and shall be performed by independent testing agencies provided by Contractor or Owner, as specified. a. Unless otherwise indicated, quality-control
- services required by authorities having jurisdiction will be provided and paid for by
- Contractor. Include costs in Bid and Contract. 2. Contractor is responsible for scheduling inspections and tests.
- Retesting: Contractor shall pay for retesting where results of inspections and tests prove unsatisfactory and indicate noncompliance with requirements. Retesting costs shall be paid by Contractor, not charged to Owner.
- 4. Auxiliary Services: Cooperate with agencies performing inspections and tests. Provide auxiliary services as requested. Notify agency in advance of operations requiring tests or inspections, to permit assignment of personnel. Auxiliary services include the following:
- a. Access to the Work.
- b. Incidental labor and facilities to assist inspections and tests.
- c. Adequate quantities of materials that require testing, and assisting in taking samples.
- d. Facilities for storage and curing of test samples. e. Security and protection of samples and test
- equipment. Duties of Testing Agency: Testing agency shall cooperate with Owner and Contractor in performing
- its duties. Agency shall provide qualified personnel to perform inspections and tests. a. Agency shall promptly notify Owner and Contractor of irregularities or deficiencies observed in the Work during performance of its
- services. b. Agency shall not release, revoke, alter, or enlarge requirements of the Contract Documents or approve or accept any portion of
- Agency shall not perform duties of Contractor. Submittals: Testing agency shall submit a certified written report of each inspection and test to the following:
- a. Owner.
- b. Contractor.
- c. Authorities having jurisdiction, when authorities so direct.
- Report Data: Reports of each inspection, test, or similar service shall include at least the following: a. Name, address, and telephone number of testing
- b. Project title and testing agency's project
- Designation (number) and date of report d. Dates and locations where samples were taken
- or inspections and field tests made. Names of individuals taking the sample or
- making the inspection or test. Designation of the product and test method.
- g. Complete inspection or test data including an interpretation of test results. Ambient conditions at the time of sample
- taking and testing Comments or professional opinion on whether inspected or tested Work complies with
- requirements. Recommendations on retesting or re-inspection.
- Name and signature of laboratory inspector. 8. Testing Agency Qualifications: Engage inspection and testing agencies that are pre-qualified as complying with the American Council of Independent Laboratories' "Quality Assurance Manual" and that specialize in the types of inspections and tests to be performed.
- a. Each testing agency shall be authorized by authorities having jurisdiction to operate in the state where Project is located.

01 73 00 – EXECUTION

- A. GENERAL:
- 1. Closeout: a. Maintain two sets of Contract Drawings and Project Manual as Record Drawings. Mark to show installation that varies from the Work originally shown.
 - Organize operation and maintenance data into PDF with tabbed index. Include emergency instructions, copies of warranties, wiring diagrams, shop drawings, and product data.
- B. EXECUTION:
- 1. Examination and Preparation: a. Examine substrates and conditions for compliance with manufacturer's written requirements including, but not limited to, surfaces that are sound, level, and plumb; substrates within installation tolerances; surfaces that are smooth, clean, and free of deleterious substances; and application conditions within environmental limits. Proceed with installation only after unsatisfactory conditions have been corrected.
 - Prepare substrates and adjoining surfaces according to manufacturer's written

- instructions, including, but not limited to, filler and primer application.
- Where Drawings indicate dimensions of existing construction verify by field measurement. Where fabricated products are to be fitted to other construction, verify dimensions by field measurement before fabricating and, when possible, allow for fitting and trimming during installation.
- 2. Cutting and Patching: a. Do not cut structural members without prior
- written approval of Architect/Engineer. b. For patching, provide materials whose installed performance will equal or surpass that of existing materials. For exposed surfaces, provide or finish materials to visually match existing adjacent surfaces to the fullest extent possible.

Installation:

- a. Comply with manufacturer's written instructions for installation. Anchor each product securely in place, accurately located and aligned. Clean exposed surfaces and protect from damage. If applicable, prepare surfaces for field finishing.
- b. Comply with NFPA 70 for installation of electrically operated equipment and electrical components and materials.

4. Final Cleaning:

- a. Clean each surface or item as follows before requesting inspection for certification of Substantial Completion:
 - Remove labels that are not permanent. Clean exposed finishes to a dust-free condition, free of stains, films, or foreign substances. Leave concrete floors broom
- Wipe surfaces of mechanical and electrical equipment. Remove excess lubrication. Clean light fixtures and
- Clean the site. Sweep paved areas; remove stains, spills, and foreign deposits. Rake grounds to a smooth, even-textured surface.
- 5. Closeout Procedures: a. Request Substantial Completion inspection once the following are complete:
 - 1. Advise Owner of pending insurance changeover requirements. Submit Record Drawings and
 - Specifications, maintenance manuals, warranties, and similar record information.
 - Deliver spare parts, extra materials, and similar items.
 - Remove temporary facilities and controls. Complete final cleanup.
 - Touch up, repair, and restore marred, exposed finishes.
 - Obtain final inspections from authorities having jurisdiction. Obtain Certificate of Occupancy or
- Completion (as appropriate for Project). b. Request inspection for certification of final
 - acceptance, once the following are complete: 1. Submit a copy of the Substantial Completion inspection list stating that each item has been completed or
 - otherwise resolved for acceptance. Submit final meter readings for utilities, a record of stored fuel, and similar data as

of the date of Substantial Completion. 01 78 39 – PROJECT RECORD DOCUMENTS

- A. GENERAL:
 - Record Documents: a. Submit annotated PDF electronic files of Project's Specifications, including addenda and
 - contract modifications. Submit annotated PDF electronic files and
 - directories of each submittal of Product Data. c. Submit annotated PDF electronic files of Project Drawings, including addenda and

contract modifications.

DIVISION 02 – EXISTING CONDITIONS

02 41 19- SELECTIVE DEMOLITION

- A. GENERAL:
 - Unless otherwise indicated, demolished materials become Contractor's property. Promptly remove from Project site. Do not burn demolished materials.
- Comply with EPA regulations and disposal regulations of authorities having jurisdiction.

before proceeding with demolition.

buildings and site improvements.

- B. EXECUTION: Coordinate scheduling of demolition with Owner. Maintain and protect existing utilities to remain
- Locate, identify, shut off, disconnect, and cap off utility services to be demolished or relocated. Conduct demolition operations and remove debris to prevent injury to people and damage to adjacent

DIVISION 03- CONCRETE

03 00 00 – CONRETE ADMIXTURES

References:

- A. GENERAL:
 - a. ASTM C 494 / C 494M

UGARTE ARCHITECTURE

PLANNING 434 9th AVENUE WEST PALMETTO, FLORIDA 34221 PHONE (941)729-5691 FAX (941)729-5692 WWW.UGARTEARCHITECTURE.COM - AA-C001654 -

> 0 U U Ш

CCO ND / Σď Į

-CU

A901

CARLOS D. UGARTE LIC. NO. AR-0010725 SHEET

EX RA ZZZ ADA

REVISIONS

PROJECT NO: 2017-39 Ø DATE: 06-25-18 □ DRAWN BY: -DyB

CHK'D BY:

- surface preparation and application instructions. Submit manufacturer's certification that materials comply with specified requirements and are suitable
- for intended application. 4. Manufacturer's Qualifications: Manufacturer regularly engaged, for past 5 years, in manufacture of concrete plasticizer compounds of similar type to that specified.
- 5. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- Coordinate with cast-in-place concrete specifications by engineer to add plasticizer compounds.
- B. PRODUCTS: Chemical Admixtures: Certified by manufacturer to be compatible with other admixtures and that do not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.
- Manufacturer Basis of Design: BASF Corporation, 889 Valley Park Drive, Shakopee, MN 55379, www.master-builders-solutions.basf.us; (800) 433-
- 3. Product Basis of Design: MasterPolyheed® 997, midrange water-reducing admixture providing slump range of 6 - 8 inches.
- C. EXECUTION:
- Insert / apply product, in dosage, per manufacturer's written instructions.
- Mix and deliver per manufacturer's written instructions.

03 03 05 – EVAPORATION RETARDANT

- A. GENERAL: 1. References:
 - a. ACI 305R-91 Recommended Practice for Hot
- Weather Concreting. 2. Submit manufacturer's product data, including
- surface preparation and application instructions. Submit manufacturer's certification that materials comply with specified requirements and are suitable
- for intended application. 4. Manufacturer's Qualifications: Manufacturer regularly engaged, for past 5 years, in manufacture of concrete curing and sealing compounds of similar
- type to that specified. 5. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels
- clearly identifying product name and manufacturer. 6. Air and Substrate Temperatures: Do not apply concrete evaporation retardant when air or substrate temperatures are at or below 40 degrees F (4 degrees C) during application or within 6 hours after
- application. B. PRODUCTS:
- Manufacturer, Basis of Design: BASF Corporation, 889 Valley Park Drive, Shakopee, MN 55379, www.master-builders-solutions.basf.us; (800) 433-
- Product, Basis of Design: MasterKure ER 50, surface moisture evaporation reducer.
- C. EXECUTION: 1. Do not begin surface preparation or application until
- unacceptable conditions are corrected. Prepare surfaces in accordance with manufacturer's
- instructions. Agitate specified product before mixing with water. Depending on the application, mix at a ratio of up to 1-part product concentrate to 9 parts water, verify with manufacturer. Re-agitate mixed materials before
- 4. Apply with constant-pressure or industrial sprayer
- meeting manufacturers requirements. Apply to concrete surface immediately after screeding or between finishing operations, as needed
- and in accordance with manufacturer's recommendations.

03 05 00 – CONCRETE CURING COMPOUNDS

- A. GENERAL:
 - 1. Reference Standards:
 - a. AASHTO M 148 Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.
 - b. ASTM C 309, Type 1, Class A and B
- 2. Submit manufacturer's product data, including surface preparation and application instructions.
- Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- Submit manufacturer's standard warranty. 5. Manufacturer's Qualifications: Manufacturer regularly engaged, for past 5 years, in manufacture of concrete curing and sealing compounds of similar type to that specified.
- 6. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- 7. Air and Substrate Temperatures: Do not apply concrete curing and sealing compounds when air or substrate temperatures are at or below 40 degrees F (4 degrees C) during application or within 6 hours after application.
- B. PRODUCTS: Manufacturer, Basis of Design: BASF Corporation,
 - 889 Valley Park Drive, Shakopee, MN 55379, www.master-builders-solutions.basf.us; (800) 433-
 - 2. Product, Basis of Design: MasterKure CC 200 WB, water-based modified acrylic curing, sealing, and dustproofing compound.
- C. EXECUTION:

- Do not begin surface preparation or application until
- unacceptable conditions are corrected. Prepare surfaces in accordance with manufacturer's instructions.
- Apply concrete curing and sealing compounds in accordance with manufacturer's instructions, at new concrete locations, immediately after final finishing and disappearance of surface water.
- Apply to point of saturation and appearance of continuous surface film, avoiding runs, puddles, and over application.
- Protect applied concrete curing and sealing compounds from damage during construction.

03 30 53 – MISCELLANEOUS CAST-IN-PLACE CONCRETE

- A. GENERAL:
 - Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.
- B. PRODUCTS: Comply with the following sections of ACI 301 (ACI 301M) unless modified by requirements in the
- Contract Documents. Portland Cement: ASTM C 150/C 150M, Type I. Water: ASTM C 94/C 94M.
- C. EXECUTION:
- Embedded Items: Place and secure anchorage devices and other embedded items required for adjoining work that is attached to or supported by cast-in-place concrete.
- General: Construct joints true to line with faces perpendicular to surface plane of concrete.

03 43 00 – PRECAST CONCRETE TRENCH COVER

- A. GENERAL:
- Provide precast trench lid as located and sized on
- Submittal: Provide shop drawings, dimensions, and details for lid and receiving structure.
- Sample: Provide sample of lid for approval prior to ordering/purchasing.
- B. PRODUCTS:
- Manufacturer, Basis of Requirement: Trenwa, Inc. 1419 Alexandria Pike, Fort Thomas, Ky 41075; www.trenwa.com.
 - Materials: Cement shall conform to ASTM C150/C150M "Specification for Portland Cement".
 - Fine and coarse aggregates shall conform to ASTM C33/C33M, "Specification for Concrete Aggregates". Chemical Admixtures shall conform to ASTM
 - C260/C260M "Air-Entraining Admixtures for Concrete and ASTM C494/C494M "Chemical Admixtures for Concrete". Steel reinforcing bars shall conform to ASTM
 - A615 "Specification for Deformed and Plain Carbon Steel Bars for Concrete Steel reinforcing welded wire mats shall conform to A1064 Standard Specification for
 - Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete".
 - Embedded steel shapes and plates shall conform to ASTM A36/A36M "Standard Specification for Carbon Structural Steel".
- C. EXECUTION:
- 1. Examine supporting frame or foundation conditions for installation tolerances and conditions affecting performance of the Work.
- Install precast lid level, plumb and square, unless directed otherwise.
- Protect installation from damage.

DIVISION 04 – MASONRY NO WORK SPECIFIED UNDER THIS DIVISION

DIVISION 05 – METALS

05 50 00 – METAL FABRICATIONS

- A. GENERAL:
 - Coordinate installation of metal fabrications that are anchored to or that receive other work. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry.
- B. PRODUCTS:
 - Fasteners: a. Unless otherwise indicated, provide Type 304 stainless-steel fasteners for exterior. Select fasteners for type, grade, and class required. b. Epoxy Type: Simpson ATXT, 2-part from tube.
- C. EXECUTION: Fastening to In-Place Construction: Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction.
 - Preparation: Hole shall be clean. Remove dust and debris.
 - Hole shall be dry. Install epoxy and fastener in accordance with manufacturers written instruction.

05 73 00 – DECORATIVE METAL RAILINGS

- A. GENERAL:
 - Delegated-Design Submittal: For installed products indicated to comply with performance requirements

- and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
- a. Design Requirement: Meet FDOT design standards for aluminum pipe guardrail, Index
- Shop Drawings: Include plans, elevations, sections, and attachment details.
- Welding Qualifications: AWS D1.2/D1.2M,
- "Structural Welding Code Aluminum". 4. Field Measurements: Verify actual locations of walls and other construction contiguous with railings by field measurements before fabrication and indicate measurements on Shop Drawings. B. PRODUCTS:
- Product Options: Information on Drawings and in Specifications establishes requirements for system's aesthetic effects and performance characteristics. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction. Performance characteristics are indicated by criteria subject to verification by one or more methods, including structural analysis, preconstruction testing, field testing, and in-service performance.
- Structural Performance: Railings, including attachment to building construction, shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - a. Handrails and Top Rails of Guards: Uniform load of 50 lbf/ft. (0.73 kN/m)
 - applied in any direction. 2. Concentrated load of 200 lbf (0.89 kN) applied in any direction.
 - Uniform and concentrated loads need not be assumed to act concurrently.
 - Infill of Guards: 1. Concentrated load of 50 lbf (0.22 kN) applied horizontally on an area of 1 sq. ft.
 - (0.093 sq. m).2. Infill load and other loads need not be assumed to act concurrently.
- Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.
- 4. Brackets, Flanges, and Anchors: Same metal and finish as supported rails unless otherwise indicated. Structural Extruded Bars, Pipe and Shapes, Including
- Extruded Tubing: ASTM B221 (ASTM B221M), Alloy 6061-T6. Woven-Wire Mesh: Intermediate-crimp, pattern as indicated on Drawings, 2-inch (50-mm) woven-wire mesh, made from 0.135-inch (3.5-mm) nominal
- diameter wire complying with ASTM A 510/A 510M. 7. Fasteners for Anchoring to Other Construction: Select fasteners of type, grade, and class required to produce connections suitable for anchoring railings to other types of construction indicated and capable of withstanding design loads. Fasteners shall be Type
- 304 stainless-steel. Provide concealed fasteners for interconnecting railing components and for attaching railings to other work unless exposed fasteners are unavoidable.
- Fabricate railings to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage, but not less than that required to support structural loads.
- 10. Assemble railings in the shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation. Use connections that maintain structural value of joined
- 11. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch (1 mm) unless otherwise indicated. Remove sharp or rough areas on exposed
- surfaces. 12. Welded Connections: Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.
- 13. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" recommendations
- for applying and designating finishes. 14. Provide exposed fasteners with finish matching appearance, including color and texture, of railings. 15. Finish: As noted on Drawings.
- C. EXECUTION: Fit exposed connections together to form tight,
 - hairline joints. Adjust railings before anchoring to ensure matching
 - alignment at abutting joints. Nonwelded Connections: Use mechanical or adhesive joints for permanently connecting railing components. Use wood blocks and padding to prevent damage to railing members and fittings. Seal recessed holes of exposed locking screws using plastic cement
- filler colored to match finish of railings. 4. Welded Connections: Use fully welded joints for permanently connecting railing components. Comply with requirements for welded connections in "Fabrication" Article whether welding is performed in
- the shop or in the field. Expansion Joints: Install expansion joints at locations indicated but not farther apart than required to accommodate thermal movement. Provide slip-joint internal sleeve extending 2 inches (50 mm) beyond joint on either side, fasten internal sleeve securely to one side, and locate joint within 6 inches (150 mm) of post.

6. Protect finishes of railings from damage during construction period with temporary protective coverings approved by railing manufacturer. Remove protective coverings at time of Substantial Completion.

DIVISION 06 – WOOD, PLASTICS AND COMPOSITES

NO WORK SPECIFIED UNDER THIS DIVISION

DIVISION 07 – THERMAL AND MOISTURE

PROTECTION:

07 92 00 - JOINT SEALANTS

- A. GENERAL:
 - 1. Submittals: Color Samples for exposed sealant locations.
- B. PRODUCTS: Compatibility: Provide joint sealants, joint fillers, and other related materials that are compatible with one another and with joint substrates under service and
- application conditions. 2. Elastomeric Sealants: Comply with ASTM C 920. a. Two-component, self-leveling, polyurethane elastomeric sealant, Type M; Grade P;
- Class 25; Uses T, NT, M, G, A, O and I. 3. Basis of Design Manufacturer and Product: Sika Corporation, Sikaflex®-2c SL
- 4. Backing Rod: As required by manufacturer, closed cell, unless manufacturer states otherwise. C. EXECUTION:
 - 1. Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements.
 - a. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water,
 - surface dirt, and frost. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out
 - joints with oil-free compressed air. Clean joints by two-rag system. Clean joint surfaces with Xylene wet rag, then wipe with dry rag, in accordance with manufacturer's
 - recommendations. 2. Field-Adhesion Testing: Coordinate with manufacturer of sealant to have pull test performed. Proceed with installation of sealant only after manufacturer confirms acceptance of substrate
 - conditions and adhesion testing. Install sealant, avoiding air-entrapment, such that surface is concave, tool as necessary, meeting
 - manufacturer's recommendations. 4. Comply with ASTM C 1193. 5. Remove excess sealant from surfaces adjacent to
 - Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out, remove, and repair damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from original work.

DIVISION 08 - OPENINGS

NO WORK SPECIFIED UNDER THIS DIVISION

DIVISION 09 – FINISHES NO WORK SPECIFIED UNDER THIS DIVISION

NO WORK SPECIFIED UNDER THIS DIVISION

DIVISION 10 – SPECIALTIES

DIVISION 11 – EQUIPMENT

DIVISION 12 – FURNISHINGS 12 93 43 – SITE SEATING

- A. GENERAL: Submit manufacturer's cut sheets for specified products. Submit samples colors for Architect / Owner selection

NO WORK SPECIFIED UNDER THIS DIVISION

- and confirmation of color. Submit shop drawings, including bolt locations template. Inspect benches after delivery for signs of damage during
- 5. Protect benches from damage during storage and

from date of Substantial Completion.

- handling. 6. Store benches in their original packaging. Do not expose thermoplastic benches to temperatures during storage where material will exceed 150 F. Do not store benches in stacks. Do not stand or walk on benches.
- a. All items provided by manufacturer shall be free of defects in workmanship or materials for one year. Thermoplastic coated elements shall have 5 year limited warranty.

Warranty: Provide manufacture's warranties, effective

- B. PRODUCTS:
 - Manufacturer Basis of Design: Belton Outdoors, LLC, a Playcore Company, 627 Amersdale Drive, Naperville, IL 60563, (800) 323-5664, www.belson.com.
 - 2. Product Basis of Design: Belson Model 940SM-V6. by Ultra-Site, a Playcore Company,
 - Performance Requirements: Engage engineer or company representative to design anchoring, installation

and product specification meeting Florida Building Code,

- current edition, requirements for wind load design. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes acting on exterior metal fabrications by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects. a. Temperature Change: 120 deg F (67 deg C),
- ambient; 180 deg F (100 deg C), material surfaces. 5. Materials and components:
- a. Bench Seats and Backs:
- 1. Frame: 11 gauge die formed angle frame 1 inch x 1-7/8 inch (25.4 x 47.6 mm)
- Corners: 3 inch (76 mm) radius corners Metal: 3/4 inch (19 mm) No. 9 steel
- expanded metal Center Support: 7 gauge x 1-1/2 inch (38 mm) flat bar center support and mounting bracket understructure
- Welding: Electrically MIG welded
- b. Frame: Tubing: 2-3/8 inch (60 mm) O.D. x 12 gauge pre-galvanized structural steel
- Corners and Bends: Bend seat/back support over a mandrel through the bend radius to produce a wrinkle free bend

Tube Ends: Pre-galvanized steel, capped.\

- Seat Mounting Points: 7 gauge x 1-1/2 inch (38 mm) die stamped steel flat bar Surface Mount Footing: 6 inch x 6 inch (152 x 152 mm) steel plate with four holes for stable mounting and clipped corners for
- finished appearance Welding: Electrically MIG welded
- c. Dimensions: Length: 6 feet (1829 mm) long bench
- surface mount with back Seats and backs shall be 12 inches (305 mm)
- wide x 72 inches (1829 mm) long. Seat height shall be 19-1/4 inches (464 mm)

Seat back height shall be 35-1/4 inches (895

mount footing plates. One anchor in each

Total depth of seat with back: 22-1/4 inches

(565 mm)

- Accessories: a. Hardware: 304 series Stainless Steel. Expansion anchors, Size and depth of embedment per delegated design, sized for manufacturer's hole size provided in surface
- 7. Finishes: Seats and Back Coating: Oven fused functionalized polyethylene copolymer-based
 - superior mechanical performance, with impact resistance and UV-stability. b. Frame Coating: Electrostatic powder coated

thermoplastic. Fluidized coating application with

- application oven cured. Finish metal fabrications after assembly.
- d. Finish exposed surfaces to remove tool and die
- marks and stretch lines, and to blend into surrounding surface.
- C. EXECUTION: 1. Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction in accordance with manufacturer's
 - recommendations and delegated design requirements. Install benches in accordance with manufacturer's recommendations and installation instructions.
 - Corrosion-resistant anchor bolts to be furnished by the installing Contractor.

Corrosion-resistant anchor bolts to be furnished by the

NO WORK SPECIFIED UNDER THIS DIVISION

NO WORK SPECIFIED UNDER THIS DIVISION

Protect installed work from damage.

DIVISION 13 - SPECIAL CONSTRUCTION

DIVISION 14 – CONVEYING EQUIPMENT

installing Contractor.

DIVISIONS 15 – 31 BY OTHERS OR NOT USED

DIVISION 32 – EXTERIOR IMPROVEMENTS

accessories.

- 32 31 20 ORNAMENTAL STEEL FENCING
- A. GENERAL: Summary: Provide ornamental welded steel fencing panels fabricated with galvanized bars into modular,
 - 2. References: a. ASTM A123 – Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

open grille fencing panels, including posts and

- Welding Qualifications: AWS D1.1/D1.1M, "Structural Welding Code – Steel". 3. Submittals: a. Shop drawings showing layout, dimensions,
- installation details. b. Sample, 8 by 10 inches minimum size sample of fence panel illustrating design, fabrication, welds, and selected color.

spacings of components, and anchorage and

c. Copy of specified warranty.

- Delegated-Design Submittal: For installed products indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer
- responsible for their preparation. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC A117.1.
- 6. Warranty: Provide factory finish 20-year warranty against cracking, peeling, and blistering under normal

B. PRODUCTS:

- Manufacturer, Basis of Requirement: Ametco Manufacturing Corporation, 4326 Hamann Parkway, P.O. Box 1210, Willoughby, Ohio 44096; 800-362-
- Structural Performance: Fencing, including attachment to building construction, shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions
 - indicated: a. Support Members:
 - 1. Uniform load of 50 lbf/ft. (0.73 kN/m) applied in any direction.
 - 2. Concentrated load of 200 lbf (0.89 kN) applied in any direction. 3. Uniform and concentrated loads need not
 - be assumed to act concurrently. **Infill Members:**
 - 1. Concentrated load of 50 lbf (0.22 kN) applied horizontally on an area of 1 sq. ft.

smooth surfaces, without seam marks, roller marks,

- (0.093 sq. m).2. Infill load and other loads need not be assumed to act concurrently. Metal Surfaces, General: Provide materials with
- rolled trade names, stains, discolorations, or blemishes.
- 4. Materials: Steel bar stock: ASTM A36 Steel tubing: ASTM A500, Grade B.
- Ornamental steel fencing system consisting of modular open grille fencing panels fabricated
 - by welding flat steel bars and rods, supported Fence panels: Fabricated from galvanized steel tubes, flat bars, welded to form an open grille
 - 1. Vertical main bars: 1 by 1/8 inch spaced at 4-7/8 inches, verify.
- 2. Top and bottom perimeter bars: 1 by 1/8 inch flat bars. Height: As indicated on Drawings.
- 4. Color: To be selected from manufacturer's full line by Architect. 6. Fasteners: a. Hot-Dip Galvanized Fencing: Type 304 stainless-steel or hot-dip zinc-coated steel
- fasteners complying with ASTM A153/A153M or ASTM F2329 for zinc coating. Fasteners for Anchoring Fencing to Other Construction: Select fasteners of type, grade, and class required to produce connections suitable for anchoring fencing to other types of

construction indicated and capable of

withstanding design loads.

7. Miscellaneous Materials:

a. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled

expansion cement formulation for mixing with

without needing protection by a sealer or

water at Project site to create pourable anchoring, patching, and grouting compound. 1. Water-Resistant Product: At exterior locations provide formulation that is resistant to erosion from water exposure

waterproof coating and that is

recommended by manufacturer for

- exterior use. C. EXECUTION: Perform cutting, drilling, and fitting required for installing fencing. Set fencing accurately in location, alignment, and elevation; measured from established

Welded Connections: Use fully welded joints for

permanently connecting fencing components. Comply

lines and levels and free of rack.

with requirements for welded connections in "Fabrication" Article whether welding is performed in the shop or in the field. Expansion Joints: Install expansion joints not farther apart than required to accommodate thermal movement. Provide slip-joint internal sleeve

5. Protect finishes of fencing from damage during

construction period with temporary protective

coverings approved by fencing manufacturer.

side, fasten internal sleeve securely to one side, and locate joint within 6 inches (150 mm) of post. 4. Fastening to In-Place Construction: Use anchorage devices and fasteners where necessary for securing fencing and for properly transferring loads to in-place

extending 2 inches (50 mm) beyond joint on either

Remove protective coverings at time of Substantial Completion.

END OF PROJECT MANUAL

DIVISIONS 33 – 49 NOT USED

construction.

UGARTE ARCHITECTURE PLANNING 434 9th AVENUE WEST

PALMETTO, FLORIDA 34221 PHONE (941)729-5691 FAX (941)729-5692 WWW.UGARTEARCHITECTURE.COM - AA-C001654 -

> 0 5 0 U C

> > **1**

EX RA ZZZ ADA CCO ND /

REVISIONS

PROJECT NO: 2017-39 06-25-18 -DyB

□ DRAWN BY:

CHK'D BY:

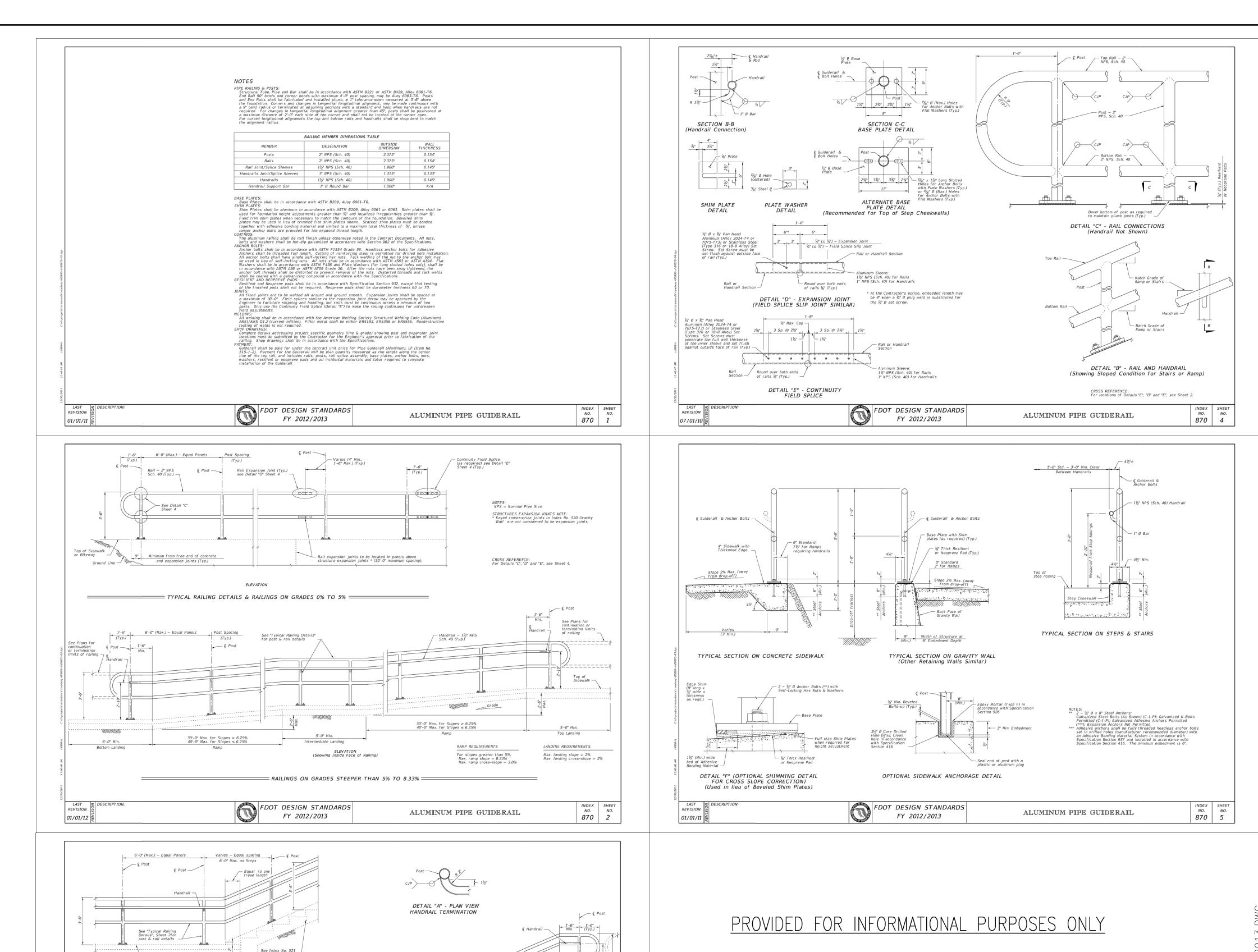
CARLOS D. UGARTE

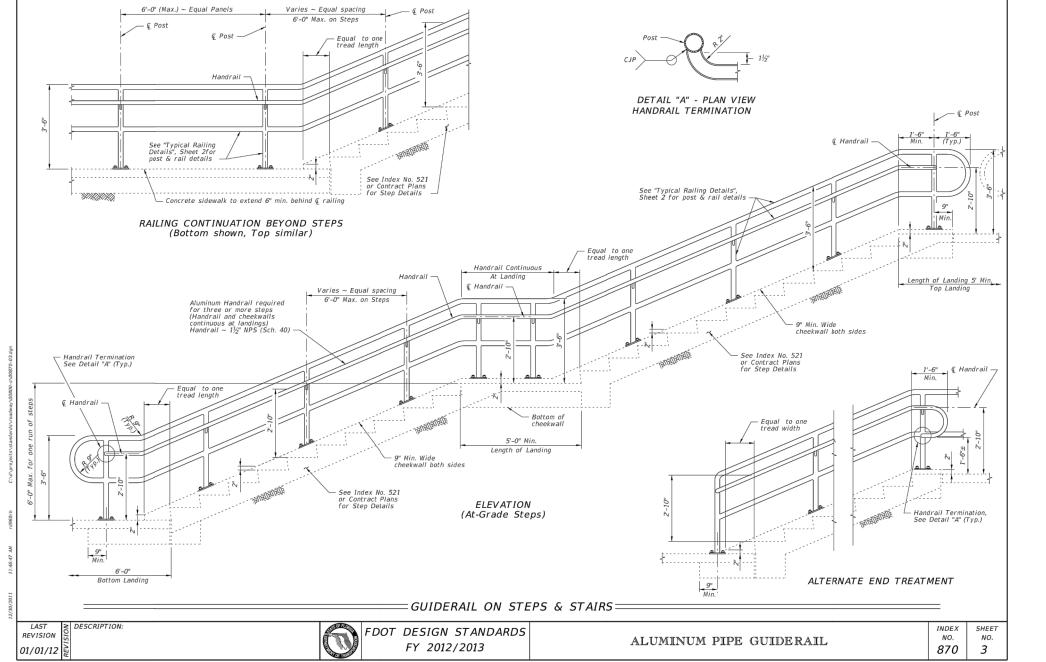
LIC. NO. AR-0010725

-CU

A902

SHEET





REVISIONS

REVISIONS

REVISIONS

PROJECT NO: 2017-39
DATE: 06-25-18
DRAWN BY: CHK'D BY: CHK'D BY: CHK'D BY: CHK'D BY:
CARLOS D. UGARTE
LIC. NO. AR-0010725

OWN ADA

MCCC

UGARTE

& ASSOCIATES, INC.

ARCHITECTURE

PLANNING

434 9th AVENUE WEST

PALMETTO, FLORIDA 34221

PHONE (941)729-5691

FAX (941)729-5692

WWW.UGARTEARCHITECTURE.COM

- AA-C001654 -

3

0

 ∞

SHEET **A903**