

ADDENDUM NO. 5

City of Springfield CITY COMPLEX

Mott MacDonald Project No.: 502100062

September 12, 2024

Plans, Specifications, and Contract Documents shall be amended in the following particulars:

I. QUESTIONS

- A. Attached to this Addendum #5 are the various questions that have been received from prospective bidders since the issuance of Addendum #4. The corresponding responses from the Architect/Engineer follow each question; see the attached QUESTIONS AND RESPONSES.
- B. The deadline for the submittal of questions was noon Thursday, September 12th.

II. SPECIFICATIONS

A. Section 105113.01 Metal Evidence Lockers

- 1. The attached new specifications Section 105113.01 "Metal Evidence Lockers" is hereby added.

III. PLANS

A. Plan Sheets

- 1. Sheet C1.3 has been revised by the addition of earthwork volumes and related notes and is attached to this Addendum No. 5 as C1.3 Rev.
- 2. New Plan Sheet C1.4 "Grading Details" which provides details of the stormwater pond is hereby added and is attached to this Addendum No. 5.

END OF ADDENDUM No. 5

ADDENDUM NO. 5

**City of Springfield
CITY COMPLEX**

Mott MacDonald Project No.: 502100062

September 12, 2024

<p>ADDENDUM NO. 5 RECEIVED BY: _____</p> <p>COMPANY NAME: _____</p> <p>DATE: _____</p>

*Please return acknowledgement of Addendum No. 5 either by email to:
beverly.stephens@mottmac.com*

QUESTIONS AND RESPONSES

(NOTE: A portion of Question 32 concerned the generator pads and it was answered in Addendum #3 with the response based on scaled dimensions by an associate of the design engineer who was not available. Upon the design engineer's return, he has provided the actual dimensions from his design and they are provided below in *italics and yellow highlighter*, replacing the scaled, inaccurate dimensions that are shown below in ~~strikethrough~~. We apologize for any inconvenience this may have caused.

32. QUESTION: Please provide site concrete details for sidewalks, curb & gutter, transformer pads, generator pads, etc. RESPONSE: Sidewalks and curb & gutter are to be per FDOT standard details. The power company determines the specifications for the transformer pads based on the transformer they plan to install; Contractor is to provide the pad as provided for in several notes on the drawings. The foundation mats shall be for the generators only with no belly tanks and generators are to be natural gas powered. ~~The City Hall generator foundation mat shall be 11'-10" x 18'-8" x 1'-6" with #6 @ 10" O.C. E.W. T&B with 4,000 psi concrete. The Police station generator foundation mat shall be 11'-10" x 18'-8" x 1'-6" with #6 @ 10" O.C. E.W. T&B with 4,000 psi concrete. The Fire Station generator foundation mat shall be 12'-0" x 21'-0" x 1'-6" with #6 @ 10" O.C. E.W. T&B with 4,000 psi concrete.~~ *The dimensions of the generator pads for the City Hall, Police Station, and Fire Station are each 18'-4" x 8'-4" x 1'-6". The Public Works generator foundation mat shall be 10'-6" x 19'-0" x 1'-6" with #6 @ 10" O.C. E.W. T&B with 4,000 psi concrete 28'-5" x 10'-10" x 1'-6". All generator pads shall be 4,000 psi concrete with #6 @ 10" O.C. E.W. T&B.*

(NOTE: Number values are a continuation from Questions 42 through 80 in Addendum #4)

81. QUESTION: Section 22 13 13 par 3.10, Indicates PVC sanitary piping above grade. The mech drawings indicate transfer grills to the ceiling space. Typically, this indicates a plenum in which PVC would not be allowed. Please advise if PVC is acceptable. RESPONSE: HVAC is provided by cassettes and ducted make up air. The attics are not considered a plenum.
82. QUESTION: Davis Bacon Wage decision does not indicate a classification for plumbers, sheet metal or pipefitters. It appears that the wage decision is only for the horizontal sitework. Please advise on the wage rates for these trades if it is a requirement. RESPONSE: As stated in the Preface in the Specifications, the Davis-Bacon wage rates requirement only applies to the Civil Site work, Item 1 on the Bid Form.
83. QUESTION: Several items in each building are missing means of disconnect. That are needed per NEC. Beginning with water heaters not having a means of disconnect. Please advise. RESPONSE: Yes provide, see E0.01 general notes.
84. QUESTION: The main enclosed breaker for each building is shown in the electrical room of each building. This is unacceptable per local code. As they must be on the exterior of the building. Please show location of where the MCB needs to be installed instead. On a revised E1.10 print please. RESPONSE: The building permits have been acquired based upon the plans and specifications, without exception by the Authority Having Jurisdiction. Also, the code provides the option for the breaker to be inside.

85. QUESTION: It has been asked before for the location of the meter bases. The response was to refer to the drawings. No information for meter bases is given on E1.10 electrical site plan. Please send locations of meter bases on a revised E1.10 print. RESPONSE: See E0.01 general notes below, contractor to coordinate.

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1. ELECTRICAL SERVICES SHOWN ARE REFERENCE. COORDINATE INSTALLATION WITH FPL.
 2. CONDUIT ARE SHOWN TO NEAREST EDGE OF BUILDING SERVED. COORDINATE THE FINAL LOCATION TO INTERIOR ELECTRICAL AND/OR IT ROOM AS REQUIRED.
 3. PROVIDE FIVE SPARE 1" CONDUIT FROM THE EACH ELECTRICAL AND IT ROOM, STUBBED, CAPPED, AND MARKED 5 FT FROM THE EXTERIOR OF EACH BUILDING.
 4. COORDINATE WITH FPL FOR ALL REQUIRED INSTALLATION DETAILS FOR SERVICE INCLUDING TRANSFORMER FOUNDATIONS.

86. QUESTION: Clarification needed for site electrical scope. What is to be in contract 1 and what is to be in contract 2. In contract 1 is EC to install all the site conduits and the wire? Is the wire to be pulled in contract 1? If so, is a box to be installed to protect the wire? Is the Conduit in contract 1 ran to the ATS and MCB inside the building, or to the edge of the building? Is the Camera conduits ran to the edge of the buildings, or to the IT rooms? It's not clear on E1.10. Please send revised E1.10. RESPONSE: No revision necessary; see notes below from E1.10:

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1. ELECTRICAL SERVICES SHOWN ARE REFERENCE. COORDINATE INSTALLATION WITH FPL.
 2. CONDUIT ARE SHOWN TO NEAREST EDGE OF BUILDING SERVED. COORDINATE THE FINAL LOCATION TO INTERIOR ELECTRICAL AND/OR IT ROOM AS REQUIRED.
 3. PROVIDE FIVE SPARE 1" CONDUIT FROM THE EACH ELECTRICAL AND IT ROOM, STUBBED, CAPPED, AND MARKED 5 FT FROM THE EXTERIOR OF EACH BUILDING.
 4. COORDINATE WITH FPL FOR ALL REQUIRED INSTALLATION DETAILS FOR SERVICE INCLUDING TRANSFORMER FOUNDATIONS.

87. QUESTION: Who is to provide and install the power poles for the cameras? If EC can we receive a spec for size etc.? RESPONSE: This is the Contractors responsibility. Refer to the light pole detail on sheet E9.07

88. QUESTION: Is all low voltage wiring and systems to be provided by the city? As they're not currently on the drawings. RESPONSE: See below found in the plans.

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DETAILED FIRE ALARM DESIGN REQUIRED BY FLORIDA LAW.
 2. THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED FIRE ALARM INSTALLATION DRAWINGS BY A FLORIDA P.E. (THE P.E. SHALL ACT AS A DELEGATE ENGINEER FOR THE DESIGN OF THE FIRE ALARM SYSTEM.)
 3. THE DEVICES SHOWN ON THE PLANS REPRESENT THE MINIMUM NUMBER OF REQUIRED DEVICES.
 4. FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL A FULLY OPERATIONAL FIRE PROTECTION SYSTEM
 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE FBC, NFPA 13, NFPA 72, NEC, AND LOCAL AUTHORITY HAVING JURISDICTION.
 6. FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS AND MAKING PLAN REVISIONS AS DIRECTED AND REQUIRED.
 7. CONTRACTOR TO PROVIDE 3/4" FROM ALL FIRE ALARM DEVICES TO FIRE ALARM CONTROL PANEL WITH CONDUCTOR AS REQUIRED.
 8. THE DELEGATE ENGINEER OF RECORD FOR THE FIRE ALARM SYSTEM SHALL COMPLY WITH FLORIDA STATUTE 61G15-33.006.
1. COORDINATE RECEPTACLE AND COMMUNICATION OUTLETS LOCATIONS WITH FINAL LOCATION OF DISPLAY. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
 2. INSTALL ALL DATA DEVICES IN WALL BOX WITH A 1" CONDUIT IN THE FOUNDATION AND/OR WALL TO 6" ABOVE CEILING LINE. DATA CABLE MAY BE EXPOSED FROM THERE TO NEAREST IT ROOM.
 3. COMMUNICATIONS RISER AND EQUIPMENT TO BE PROVIDED BY OWNER SELECTED SPECIALTY CONTRACTOR. FOR THIS CONTRACT, INSTALL BOXES, CONDUIT TO NEAREST WALL TO ABOVE CEILING WALL DEVICES AND PLATES.

89. QUESTION: Who is to provide fire alarm? If EC specs are needed. What systems are acceptable? Voice evac needed etc. RESPONSE: See the response above to question 88 and the notes therein.

90. QUESTION: On sheet E9.0 detail #3 shows a Stanchion support for case mounted instruments. Not seeing these anywhere on prints. Are they to be installed by EC? If so quantity? Where? RESPONSE: If the detail is not needed, disregard.

91. QUESTION: Are the Police Station and/or Fire station buildings to be considered an "Essential Facility " Level E "? RESPONSE: Yes.

92. QUESTION: We just want to get confirmation on what type of coating the cold metal framing, structural and nonstructural metal needs to be. I see a note in the specs for cold metal framing to be G60, on the Structural it specifies G90 coating. Does this mean structural is G90 and non-structural is G60? Or does one supersede the other? Please advise.... RESPONSE: All framing shall receive a G90 coating.

93. QUESTION: Where in the complex are there projection screen(s)? I see them in the spec, but I have searched the plans up and down and can't seem to find. Could you please clarify? RESPONSE: That is one of those items that is in the Community Center that was separated from this bid package for the City Complex.

94. QUESTION: Rolling counter doors and projection screens are listed in the specifications, but not shown on the plans. Where are these located? RESPONSE: The rollin counter doors and projection screens are items that are in the Community Center that was separated from this bid package for the City Complex.
95. QUESTION: Specification section 102600 calls for wall and door protection. It calls for stainless steel full height corner guards and impact resistant sheet wall coverings. Drawings (G-11) calls for Acrovyn corner guard LG series LG-034. Which type of corner guard is to be used and where? (Drawings do not call out locations.) Also, where do the impact resistant sheet wall coverings go? RESPONSE: Contractor shall provide corner guards called out in the finish schedule. Provide and install full height corner guards in all gypsum wall outside corner locations throughout the four facilities. Impact resistant wall coverings will not be required. Follow finish schedules for remaining wall covering types.
96. QUESTION: Supplementary Conditions SC 7.04 D. requires the Contractor to provide a 10x16x7 Field Office for the Representatives of the Engineer. Is this Temporary Office required? The specifications were not definitive as to whether or not there would be a resident engineer on-site. RESPONSE: Yes, it is required. See C-800 Supplementary Conditions, paragraph SC 7-04.
97. QUESTION: Article 5 – Financial; Section 5.01 of the bid form requires that we provide the most recent audited financial statement with the bid. We request that the City accept the audited financial statements from the low responsive bidder within 48 hours of submission of the bids and if requested by the City. RESPONSE: Agreed, audited financial statements will not be required to be included in the bid submittal but may be required to be submitted by the lowest responsive bidder after bid opening.
98. QUESTION: On sheet C 1.3/C-301 it states Clay-Core berm on the lower part of the pond, can we get a detail and limits of the Clay- Core berm? Also on the same sheet it's showing a Spreader swale at the outfall discharge, can a detail be provided for the spreader swale? RESPONSE: A revised Sheet 1.3 Rev. and a new Sheet 1.4 have been added and are attached to Addendum #5 to which these questions are also attached.
99. QUESTION: Please provide a specification for the Electric Gate Opening Devices called out on sheet G-04. RESPONSE: Contractor shall install Door King model 6500 (or equal) swing gate operators at each of the 4 gate sections. Operators shall be synched to the matching operator, have adjustable auto closure, built in on off switch, magnetic locks, and operate on 115v. Required accessories include exit sensor and card reader access control compatible with the current City of Springfield system. Provide all mounting pads, poles, and hardware required for a complete installation. Additional information on the provision of electric power is forthcoming.
100. QUESTION: Please provide a specification for the Air and Water Supply Reels called out on sheet A4-13 Keynote 01 00 00 .12. RESPONSE: Single and double reels shall be heavy duty powder coated steel bodies with permanently lubricated bearings and spring returns. Feeder connections shall be 5' with 50' feeder capacity (included with reel) and adjustable bumper stops. Electrical capacity is 115v/ 20A with a quad outlet supply. Water and air hoses to be rated to 300PSI PVC with 3/8" fittings.
101. QUESTION: Sheet A4-15 calls for Hose Reels for Power & Air from Ceiling. Are these the same as the reels called out on sheet A4.13? RESPONSE: Independent reels shall be supplied for electrical. Water and air can be mounted to a dual supply reel. Note: electrical outlets in those positions on sheet E4.31 are shown as floor mounted and shall be changed to ceiling mounted to accommodate overhead reels. Coordinate reel to outlet connection type. Per note on A4-43 and compressed air supply pipe indicated on M4-13,

provide piping to owner furnished air compressor.

102. QUESTION: In addendum # 2 there was a geotechnical report for the pond included having three hand auger bores. Is that the only geotechnical data regarding the pond?
RESPONSE: Yes.
103. QUESTION: Please provide specifications for the waterproof membrane at planter walls (see 4/G-05). RESPONSE: Replace adhered sheet waterproofing requirement at planters with cold fluid applied waterproofing. Use Tremco Tremproof PUMA Planters as basis of design. Coat from top of footing to block face 2" above level of planter "grade".
104. QUESTION: Please provide specifications for the spray foam insulation indicated at the area above the CMU walls at the roof eaves (see A1-35 for an example). RESPONSE: Contractor shall use Johns Manville JM Corbond III closed-cell polyurethane foam or equal.
105. QUESTION: Where are we metering the buildings? RESPONSE: See question 84 and the response to it.
106. QUESTION: Please provide a specification for the narcotics locker. RESPONSE: New specification Section 105153.01 "Metal Evidence Lockers" has been added.
107. QUESTION: Are the evidence lockers part of our scope? If yes, please provide specification. RESPONSE: New specification Section 105153.01 "Metal Evidence Lockers" has been added.
108. QUESTION: Police station is showing (2) pass thru evidence lockers. It refers to spec section 105113. This spec section only includes standard 1 tier lockers that are shown in Mens/womens locker rooms. Please provide a specification for this evidence locker. RESPONSE: New specification Section 105153.01 "Metal Evidence Lockers" has been added.
109. QUESTION: The plans show one layer of 4" insulation above the roof deck at the standing seam roofs but the specs call for R30, which is 2 layers of 2.6" insulation. Which do you want me to price? RESPONSE: Contractor shall supply 4" of insulation.
110. QUESTION: High Speed roll up doors (083323) calls for polycarbonate glazing, large missile impact rated, a wind load of 100 Psf, and a hurricane shutter (no spec of what this hurricane shutter is). Overhead door company is telling us that you can not do a hurricane shutter and have polycarbonate glazing that meets that wind load. They will not bid glazing in their doors in order to meet this wind load. Is that the route you would like us to take? RESPONSE: Door type K (Overhead Coiling Door) does not have glazing shown in elevation.
111. QUESTION: Are the generators to be Contractor supplied or Owner supplied? RESPONSE: The generators for the four buildings are to be Owner supplied – Contractor installed.

SECTION 105113.01 METAL EVIDENCE LOCKERS NON-PASS-THRU. NARCOTICS VENTILATED LOCKER

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
Standard and Refrigerated Pass-thru and Non Pass-thru Evidence Lockers
- B. Related Work, Not Furnished:
Finish floor covering materials and installation.
HVAC Hook up to building and balancing air flow for Narcotics.

Basis of Design: Spacesaver Corporation/Patterson Pope jglass@pattersonpoppe.com

1.3 REFERENCES

- A. American National Standards Institute (ANSI) Standards:
Applicable standards for fasteners used for assembly.
- B. American Society for Testing and Materials (ASTM) Standards:
Applicable standards for steel sheet materials used for fabrication.
Applicable standards for the testing of electrostatically applied Powder Coat Paint
- C. American Institute Of Steel Construction (AISC) Standards:
Applicable standards for steel materials used for fabrication.

1.4 DESCRIPTION

- A. General: Metal Evidence Lockers – Narcotics
- B. Finishes:
Fabricated Metal Components and Assemblies: All components to be painted with an electrostatically applied Powder Coat paint that can meet or exceed test requirements set out by ASTM standard D3451-06 Standard Guide for Testing Coating Powders and Powder Coatings.
- C. Sizes: 82" h x 36" w x 24" d – NARCOTICS LOCKER

- D. Pass-through evidence lockers in corridor 103 are Spacesaver 07 door configuration.

1.5 PERFORMANCE REQUIREMENTS

- A. Design Requirements:
- B. Limit overall width to [0.032] inches [0.793MM] greater or less than the nominal specified width.

1.6 SUBMITTALS

- A. Product Data: Submit manufacturer's product literature and installation instructions for each type of evidence lockers required. Include data substantiating that products to be furnished comply with requirements of the contract documents.
- B. Shop Drawings: Show fabrication, assembly, and installation details including descriptions of procedures and diagrams. Show complete extent of evidence lockers installation layout including quantities, locations and types of accessory units required. Include notations and descriptions of all installation items and components.

Show installation details at non-standard conditions, if any.

Provide layout, dimensions, and identification of each unit corresponding to sequence of installation procedures.

Provide installation schedule and procedures to ensure proper installation.
- C. Samples: Provide minimum 3 inch (76MM) square example of each color and texture on actual substrate for each component to remain exposed after installation.
- D. Selection Samples: For initial selection of colors and textures, submit manufacturer's color charts consisting of actual product pieces, showing full range of colors and textures available.
- E. Warranty: Submit draft copy of proposed warranty for review by the Architect/Engineer
- F. Maintenance Data: provide written documentation of the manufacturer's statement claiming the maintenance free nature of the product.
- G. Reference List: Provide a list of recently installed evidence lockers to be visited by owner, architect, and contractor. Intent of list is to aid in verifying the suitability of manufacturer's products and comparison with materials and product specified in this section.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Engage an experienced manufacturer who is ISO 9001 certified for the design, production, installation and service of evidence lockers. Furnish certification attesting ISO 9001 quality system registration.
- B. Installer Qualifications: Engage an experienced installer who is a manufacturer's authorized representative for the specified products for installing evidence lockers.

Minimum Qualifications: 10-year experience installing evidence lockers of comparable size and complexity to specified project requirements.

1.8 DELIVERY, STORAGE AND HANDLING

- A. Follow manufacturer's instructions and recommendations for delivery, storage and handling requirements.

1.9 PROJECT CONDITIONS

- A. Field Measurements: Verify quantities of evidence lockers before fabrication. Indicate verified measurements on Shop Drawings. Coordinate fabrication and delivery to ensure no delay in progress of the Work.
- B. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating evidence lockers units without field measurements. Coordinate construction to ensure actual dimensions correspond to established dimensions.

1.10 SEQUENCING AND SCHEDULING

- A. Sequence evidence lockers units with other work to minimize possibility of damage and soiling during remainder of construction period.
- B. Schedule installation of specified evidence lockers after finishing operations; including painting have been completed.
- C. Provide components which must be built in at a time which causes no delays general progress of the Work.
- D. Pre-installation Conference: Schedule and conduct conference on project site to review methods and procedures for installing evidence lockers including, but not limited to the following:
Recommended attendees include:
 - 1. Owner's Representative.
 - 2. Prime Contractor or representative.
 - 3. The Architect/Engineer
 - 4. Manufacturer's representative.
 - 5. Subcontractors or installers whose work may affect, or be affected by the work of this section.

1.11 WARRANTY

- A. Provide a written warranty executed by Contractor, Installer and Manufacturer, agreeing to repair or replace units which fail in materials or workmanship within the established warranty period. This warranty shall be in addition to and not a limitation of other rights the Owner may have under the General Conditions provisions of the Contract Documents.
- B. Limited Lifetime Warranty: Subject to the terms in the written warranty, warrant the original purchaser exclusively that the locker frames manufactured by it will be free from defects in materials and workmanship for the lifetime of the locker. Warrant the original purchaser

exclusively that all moving parts manufactured by it will be free from defects in materials and workmanship for 5 years.

- C. Warrants that all refrigeration units shall be free from defects in materials and workmanship for one (1) year from the date of the customer's written acceptance of installation. During the 1-year warranty period, all parts are included at no cost for 1 year. Labor is included at no cost during the first year of the 1-year warranty period. After the first year of the 1-year warranty, all labor will be charged at the current rate.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. General: Products known as DSM Evidence Lockers are based upon evidence lockers manufactured by Spacesaver Corporation, 1450 Janesville Avenue, Fort Atkinson, Wisconsin 53538-2798. Telephone 866-276-0445.

2.2 BASIC MATERIALS

- A. General: Provide materials and quality of workmanship, which meets or exceeds established industry standards for products specified. Use furniture grade sheet metal and fasteners for component fabrication unless indicated otherwise. Material thicknesses/gauges are manufacturer's option unless indicated otherwise.

2.3 LOCKER TYPES

- A. Pass-thru evidence lockers
- B. Non pass-thru evidence lockers

2.4 MANUFACTURED COMPONENTS, STANDARD EVIDENCE LOCKERS

- A. Welded Frame:
 - 1. The welded frame is structural and shall consist of top, bottom, back and sides constructed of a minimum of 18 gage (1.21MM) steel. All frame components shall be joined using resistance welding. Riveting or bolting of structural members will not be permitted.
 - 2. Horizontal and vertical outer front flanges will be a minimum of 1.5 inches (38MM). Horizontal and vertical flanges will overlap with a minimum of 2 resistance welds per corner.
 - 3. Center vertical lock housing is structural and will run the full height and depth of the locker. All locks will be completely enclosed by a full height removable panel. Pass-thru rear release mechanisms will be completely enclosed by the lock housing and accessible only when the rear door is open. Provide engagement points for the anti-pry tabs that are on all front doors.
 - 4. Exposed lock mechanisms that can snag evidence and be obstructed by stored articles will not be permitted.
- B. Welded Bases:

1. Each welded base shall be permanently affixed to each locker using modern Inert Gas Metal Arc Welding techniques for lateral unit stability. The base shall be a minimum of 14 gage (1.98MM) steel 4 inches (101MM) high with a 1.5 inch (38MM) return on the bottom for support.
2. Provide four 0.375 inch (9.5MM) mounting holes and four 0.375 inch (9.5MM) nuts welded in place for the mounting of floor levelers. Provide four appliance levelers per locker.
3. Provide removable access panels for access to mounting holes and leveling points.

C. Shelves:

1. Shall be a single-piece formed from a minimum of 18-gage (1.21MM) cold rolled steel with a double 90-degree bend on the rear of the shelf and a double 90-degree bend on the front of the shelf. Shelf sides shall be turned up 90-degrees for ease of cleaning and to prevent debris from becoming caught between the shelf and the sidewall.
2. All shelves shall be welded into place. Rivets, screws, bolts or other loose fasteners will not be permitted for the fastening of shelves to the locker frame.

D. Locks:

1. Patent Pending. Lock shall be push button locking with a stainless steel push button and alignment bezel. Locks shall be a one-piece removable design. Locks will secure the door with the single push of a button with no other action required by the user.
2. Locks will be deadbolt type locks with multi-point engagement. Rotary latches or cam locks will not be tolerated.
3. Pass-thru locks will be reset from the rear of the locker when the rear door is in the open position only.
4. Non Pass-thru locks will be reset from the front of the locker using tube type locks keyed to differ.
5. Provide documentation for cycle testing where locks are tested successfully to a minimum 40,000 cycles without failure.
6. Locks shall be pre-lubricated with no maintenance required for the lifetime of the unit (estimated at 20 years).

E. One Piece Welded Doors:

1. Shall be formed from two pieces of minimum 18-gauge (1.2MM) cold rolled steel box formed and welded together using modern GMAW techniques. The one piece door with inner and outer door skins shall have a combined steel thickness of no less than 0.096 inches (2.4MM) thick.
2. Each door shall have a nickel plated, flush mounted door handle installed with fasteners visible only in the unlocked position.
3. Provide neoprene silencers on each door.
4. Provide anti-pry tabs that engage with the Center Vertical Lock Housing when the door is locked.
5. Doors shall have no moving parts except the door and the hinge.
6. Provide stainless steel spring loaded hinges that are welded to prevent pin removal. Spring loaded hinges shall be capable of holding the door closed and flush with the door frame. Doors that hang ajar are a safety concern and will not be tolerated.

- F. Rear Doors (Pass-thru lockers)
 - 1. Shall be formed from two pieces of minimum 18-gauge (1.2MM) cold rolled steel box formed and welded together using modern Inert Gas Metal Arc Welding techniques. The one piece door with inner and outer door skins shall have a combined steel thickness of no less than 0.096 inches (2.4MM) thick.
 - 2. Each locker module shall have one rear door each and allow evidence to be removed from all compartments at once.
 - 3. Each rear door shall have multi-point engagement with a built-in L handle lock. Access to all lock mechanisms shall be hidden behind cover plates that are secured with tamperproof fasteners.

- G. ACCESSORIES:
 - 1. Mesh rear doors: Provide manufacturer's standard. For Pass-through lockers
 - 2. Narcotics Locker to be equipped with environmental ventilation functionality where Mechanical Air Extraction is desired to remove unpleasant odors from the locker.

2.5 FABRICATION

- A. General: Coordinate fabrication and delivery to ensure no delay in progress of the Work.

2.6 FINISHES

- A. Colors: Selected from manufacturer's standard available colors.
- B. Paint Finish: Provide factory applied electrostatic powder coat paint. Meet or exceed specifications of the American Society for Testing and Materials (ASTM) standards.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine evidence lockers scheduled to receive accessories [with Installer present] for compliance with requirements for installation tolerances and other conditions affecting performance of specified accessory items.
- B. Proceed with accessory installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Follow manufacturer's written instructions for installation of each type of accessory item specified.

3.3 FIELD QUALITY CONTROL

- A. Verify accessory unit alignment and plumb after installation. Correct if required following manufacturer's instructions.

- B. Remove components that are chipped, scratched, or otherwise damaged and which do not match adjoining work. Replace with new matching units, installed as specified and in manner to eliminate evidence of replacement.

3.4 ADJUSTING

- A. Adjust all accessories to provide smoothly operating, visually acceptable installation.

3.5 CLEANING

- A. Immediately upon completion of installation, clean components and surfaces. Remove surplus materials, rubbish and debris resulting from installation upon completion of work and leave areas of installation in neat, clean condition.

3.6 DEMONSTRATION/TRAINING

- A. Schedule and conduct demonstration of installed accessory items and features with Owner's personnel.
- B. Schedule and conduct maintenance training with Owner's maintenance personnel. Training session should include lecture and demonstration of all maintenance and repair procedures that end user personnel would normally perform.

3.7 PROTECTION

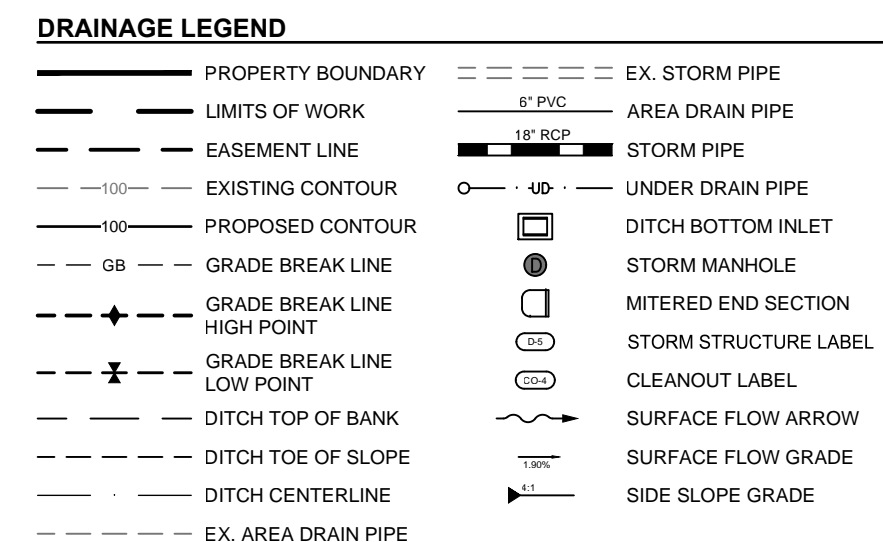
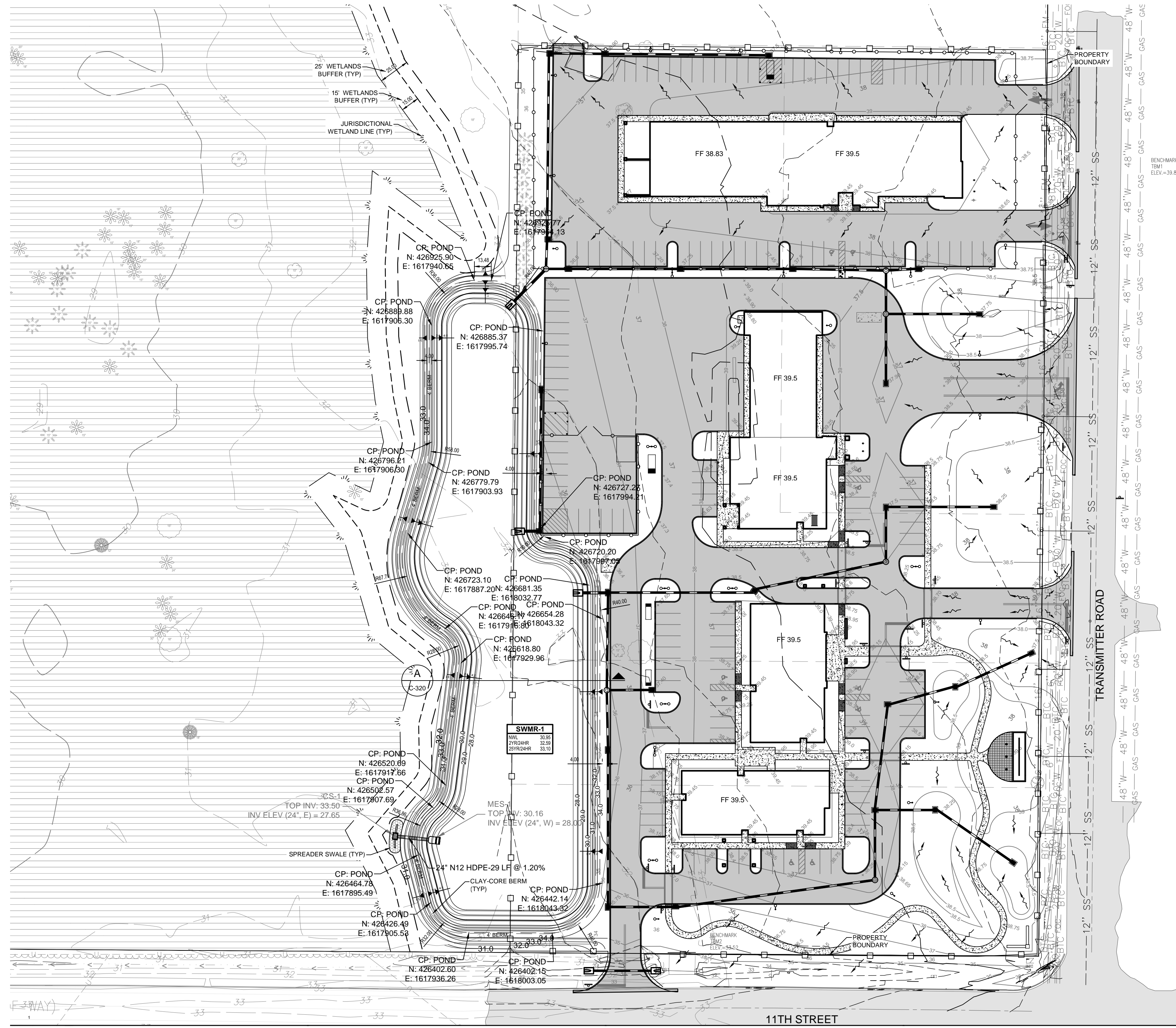
- A. Protect system against damage during remainder of construction period. Advise Owner of additional protection needed to ensure that system will be without damage or deterioration at time of substantial completion.

END OF SECTION

NOTE:
 THE EARTHWORK VOLUMES ARE REPRESENTATIVE OF EXISTING
 IN PLACE VOLUMES OF EARTH, AND PROPOSED IN PLACE
 VOLUMES OF EARTH. NO ADJUSTMENTS HAVE BEEN MADE FOR
 SHRINKAGE OR LOSS, AND THE CONTRACTOR SHALL REVIEW
 GEOTECH INFORMATION CONTAINED IN THE PROJECT
 SPECIFICATIONS FOR DETERMINATION HOW MUCH OF THE IN
 PLACE MATERIAL MIGHT BE USABLE TO OFFSET THE NEEDED FILL
 QUANTITY.

EARTHWORK VOLUMES (UNFACTORED)

CUT = 6551 C.Y.
 FILL = 30484 C.Y.
 NET FILL = 23933 C.Y.



- DRAINAGE KEYNOTES**
- CONNECT TO EXISTING PIPE
 - CONNECT TO EX. PIPE USING DISSIMILAR PIPE CONNECTION COLLAR
 - MATCH EX. PAVEMENT GRADE
 - MATCH PROPOSED GRADE

- DRAINAGE NOTES**
- EX. DRAINAGE STRUCTURES (INLETS, MANHOLES, ETC.) INVERTS AND TOP ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.
 - ALL EX. DRAINAGE STRUCTURES TO REMAIN SHALL REMAIN CLEAR OF SILT, SAND,

ISSUE 05/10/2022
 DATE: REVISIONS

#	Description	Date

STOA Architects
 121 E. GOVERNMENT STREET
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 W. BRIAN WALKER, P.E. FL REG. NO. 10989

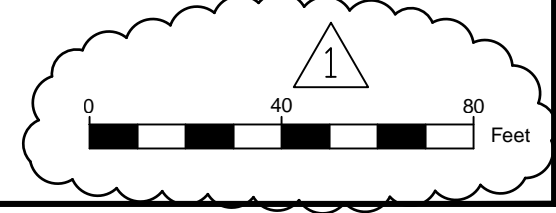
DATE: MAY 10, 2022

**NATURE PARK - CITY OF SPRINGFIELD
 PHASE 1 POND IMPROVEMENTS
 GRADING AND DRAINAGE PLAN**

DRAWN BY: Z. TAYLOR
 DESIGNED BY: A. MAINIERO
 CHECKED BY: B. WALKER
 PROJECT NO: 07621-0005

SHEET NUMBER
C-301

NWFWM PERMIT PLANS
 NOT FOR CONSTRUCTION



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MOTT MACDONALD
 Architects & Engineers
 Engineers EB-0000155
 Surveyors LB-0006783

Mott MacDonald Florida, LLC

SPRINGFIELD CITY COMPLEX
 City of Springfield
 1141 TRANSMITTER RD
 SPRINGFIELD, FLORIDA 32401

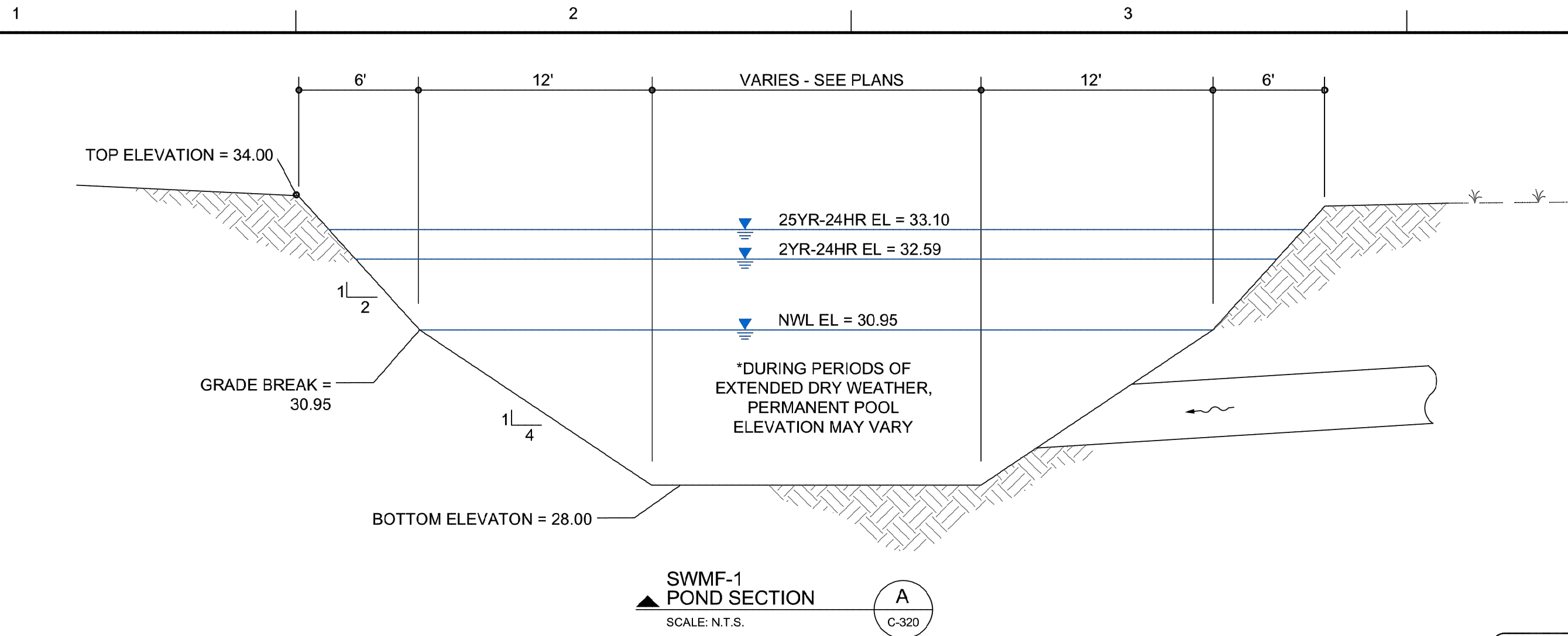
DATE	DESIGNED BY	DRAWN BY	PROJECT ENGINEER	PROJECT MANAGER	M.M. PROJECT NUMBER
05-16-22	C. ELKINS	C. ELKINS	A. ZAFAR	T. PITTS	502100082-004

REVISION DESCRIPTION	REV.	DATE
REVISED BUILDING LABEL	1	08-16-24
ADDED SCALE: ADDED EARTHWORK VOLUMES	2	09-12-24

ISSUED FOR BIDS - AUGUST 2024
THIS DRAWING IS NOT FOR CONSTRUCTION

SHEET TITLE:
GRADING PLAN WEST

SHEET NUMBER:
C1.3



- NOTES:**
- PONDS MUST BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORM WATER RUNOFF RATES. THE CONTRACTOR MUST CONTROL STORM WATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
 - SIDE SLOPES SHOULD BE STABILIZED TO THE PERMANENT POOL ELEVATION.
 - UPON FINAL COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL UPSTREAM AREAS, POND MUST BE RE-SHAPED AS NECESSARY TO REMOVE ACCUMULATED SEDIMENT AND TO MATCH THE PROPOSED GRADING ON THE PLANS. ALL DISTURBED AREAS MUST BE RE-STABILIZED AND SODDED.
 - POND MUST BE DESIGNED SO THAT THE POND SIDE SLOPE MEASURED BETWEEN THE CONTROL ELEVATION AND TWO FEET BELOW THE CONTROL ELEVATION IS NO STEEPER THAN 4H:1V.

ISSUE DATE: 05/10/2022

REVISIONS		
#	Description	Date

STOA
Architects

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Consultant:
W. BRUNWALKER, P.E. FL REG. No. 8880

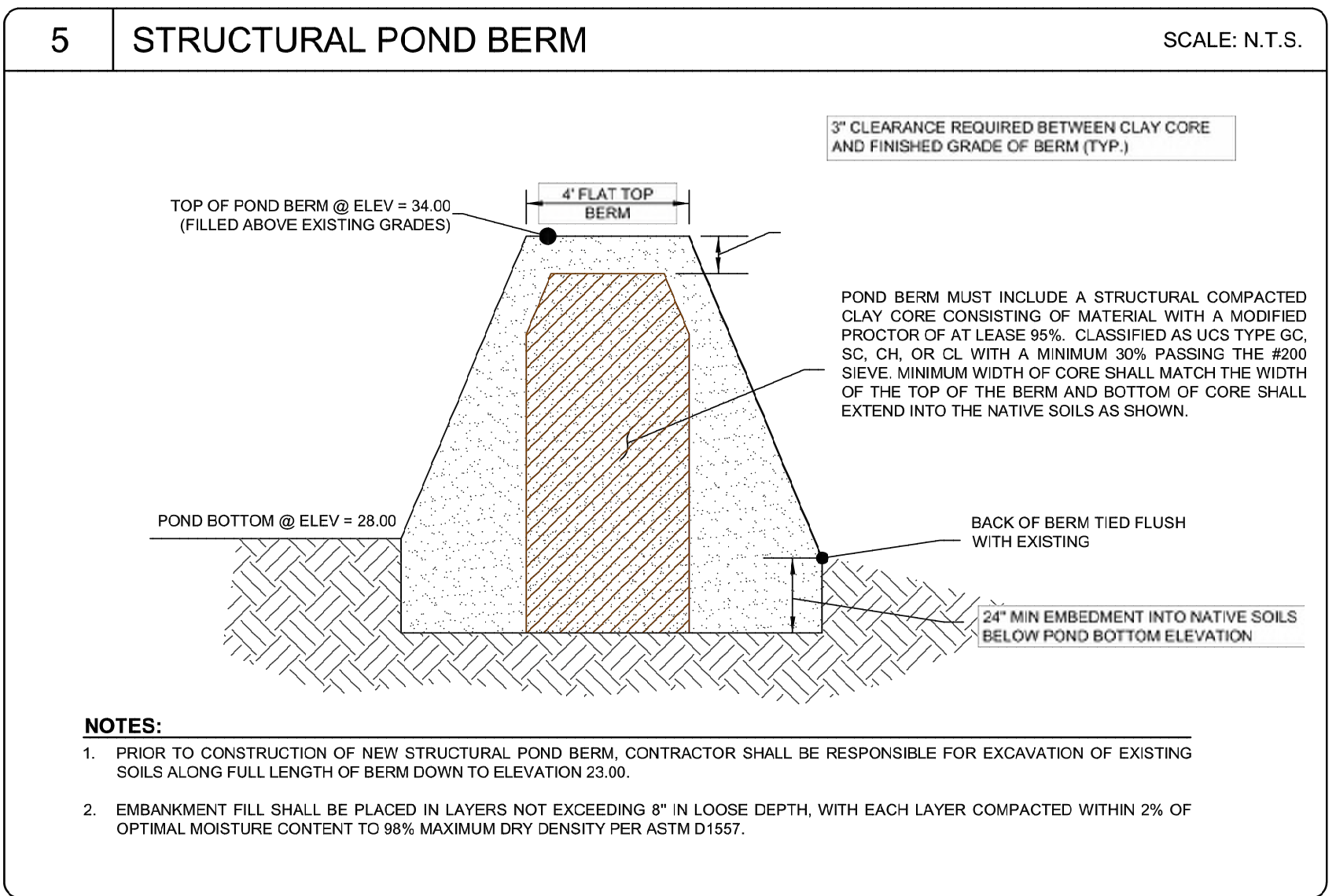
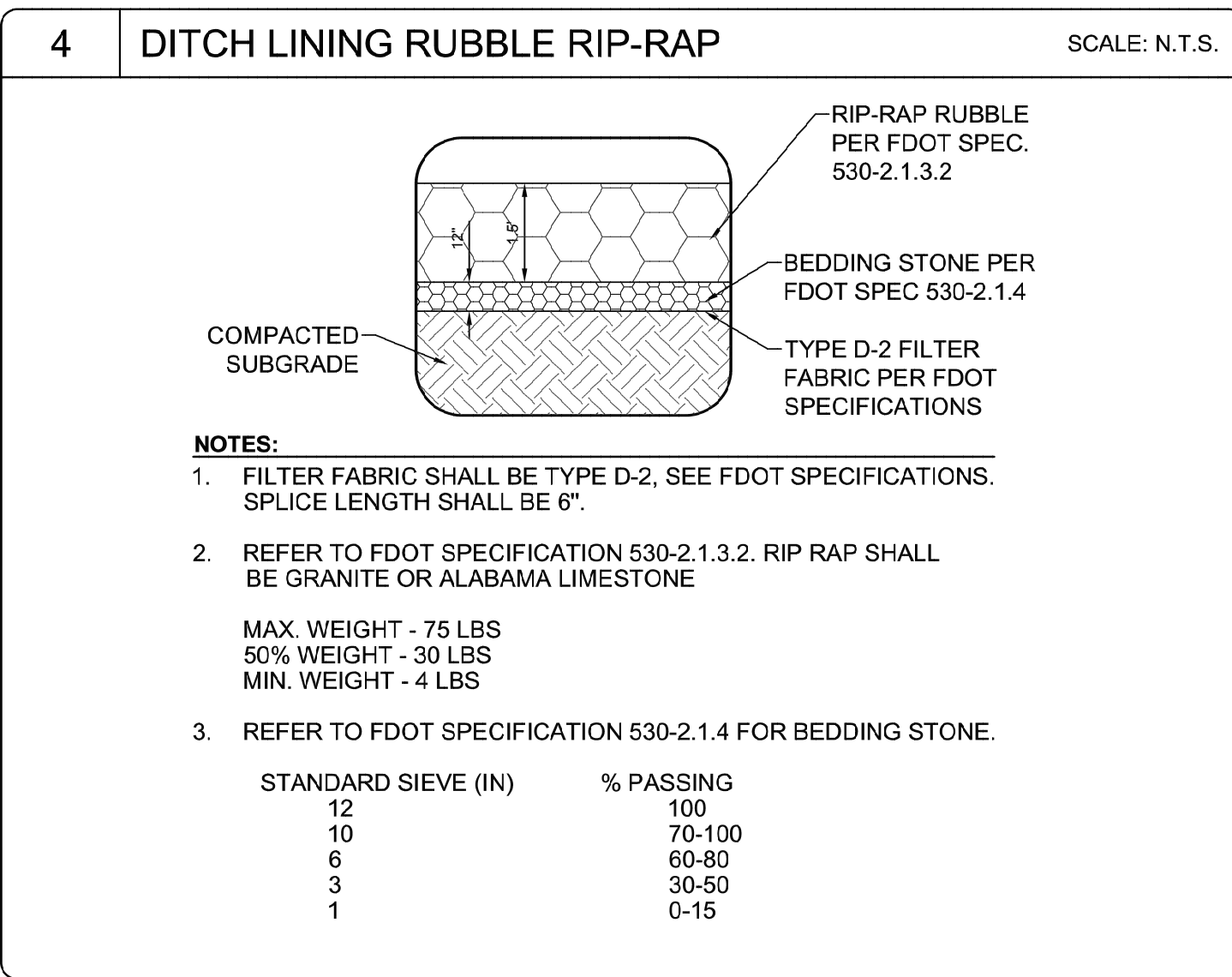
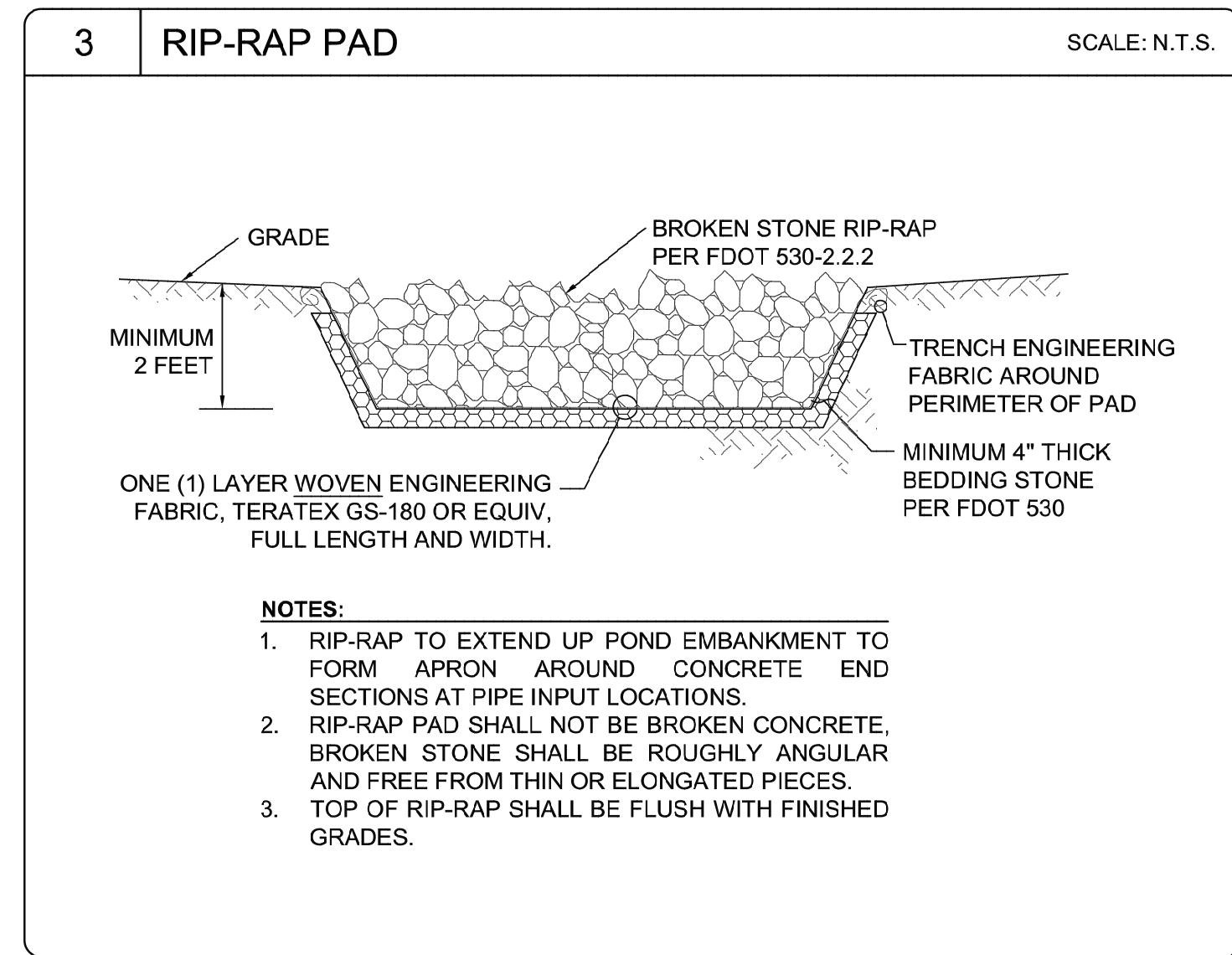
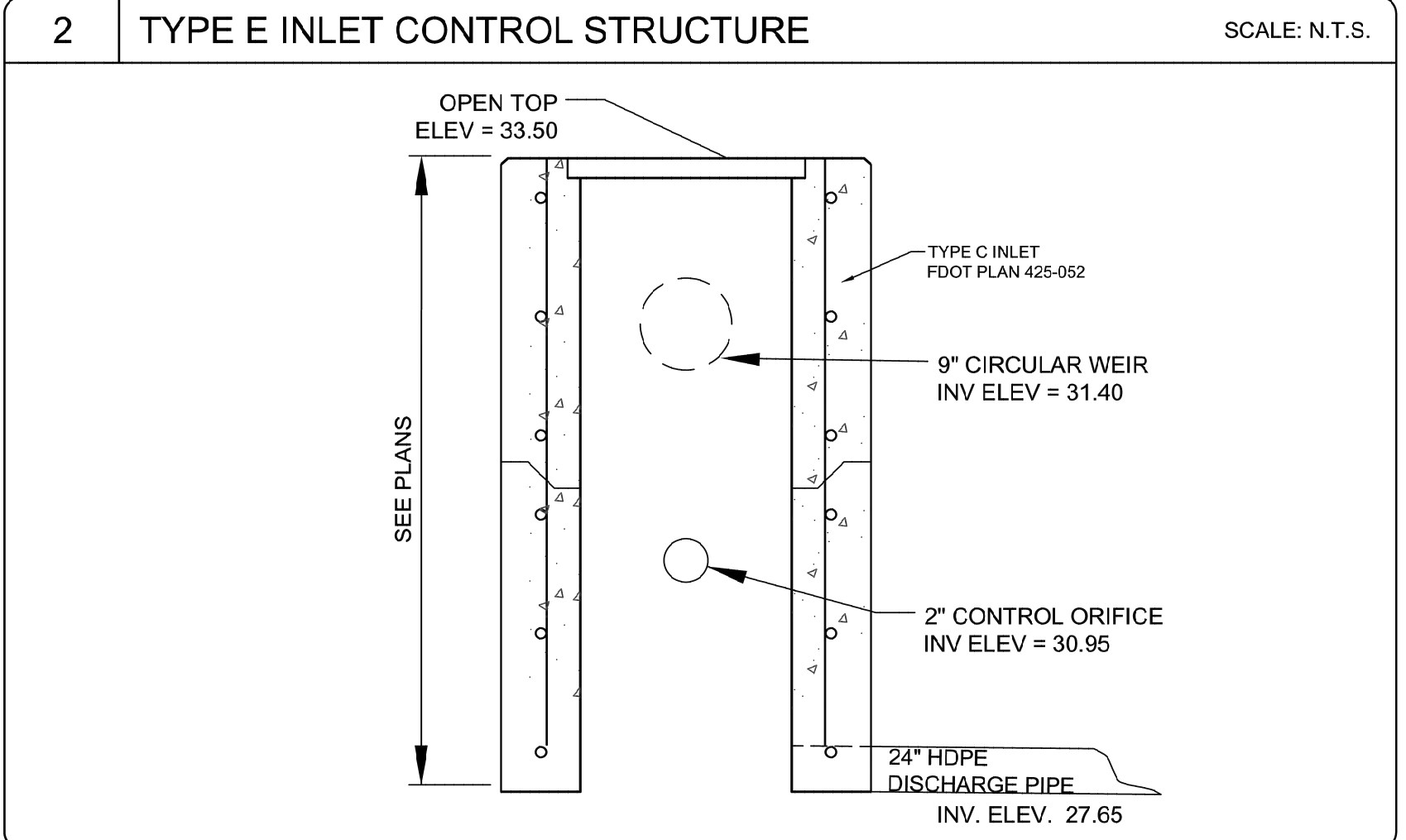
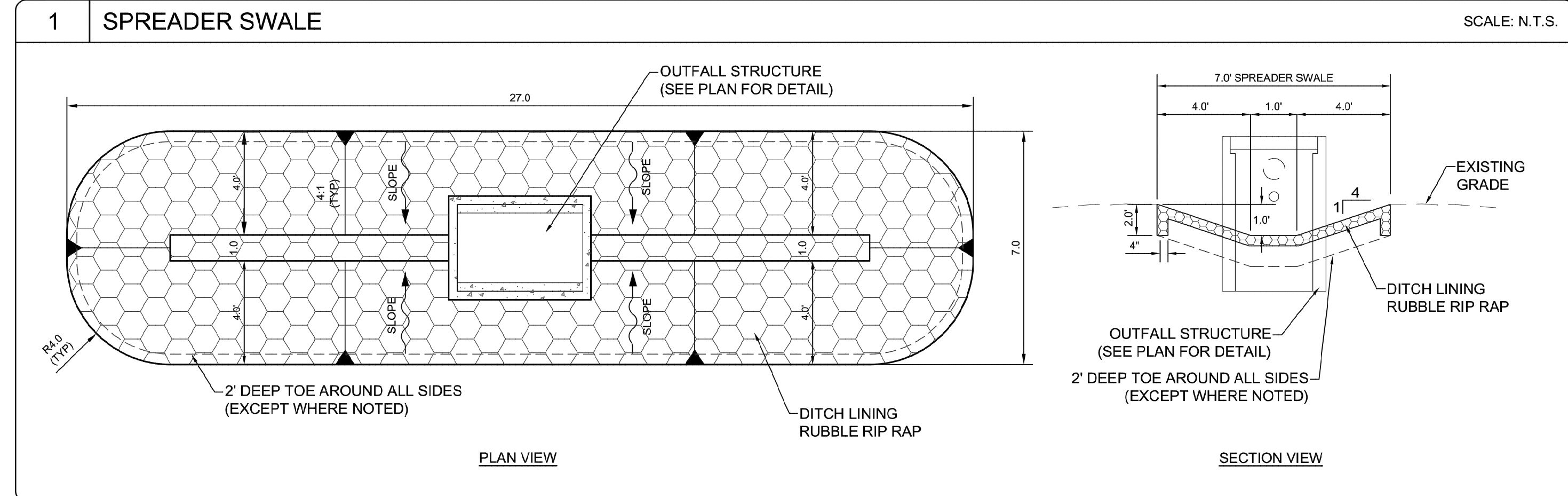
**NATURE PARK - CITY OF SPRINGFIELD
PHASE 1 POND IMPROVEMENTS
E 11TH AVE, SPRINGFIELD, FL 32401
PHASE 1 POND SECTION**

DATE: 05-16-22
DESIGNED BY: C. ELKINS
DRAWN BY: C. ELKINS
PROJECT ENGINEER: A. ZAFAR
PROJECT MANAGER: T. PITTS
M.M. PROJECT NUMBER: 502100062-004

DRAWN BY: Z. TAYLOR
DESIGNED BY: A. MAINERO
CHECKED BY: B. WALKER
PROJECT NO: 07621-0005

SHEET NUMBER
C-320

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DATE	REV.	DESCRIPTION
09-12-24	1	NEW SHEET

ISSUED FOR BIDS - AUGUST 2024

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SHEET TITLE:
GRADING DETAILS

SHEET NUMBER:
C1.4

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