DRAINAGE PLANS

THIS PROJECT TO BE LET TO CONTRACT WITH COUNTY PROJECT NO.: 6107860

LOCATION OF

PROJECT

STATE OF FLORIDA

PROJECT TITLE

PEARCE DRAIN/GAP CREEK

WATERSHED FLOOD MITIGATION SITE

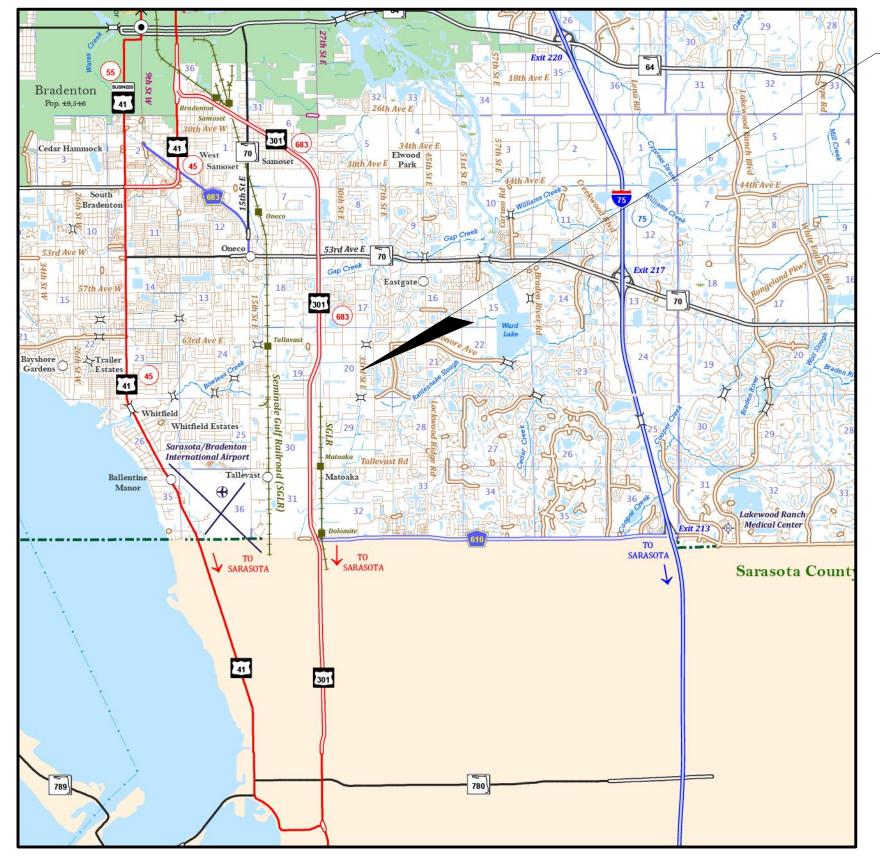
PROJECT TITLE

INDEX OF DRAINAGE PLANS

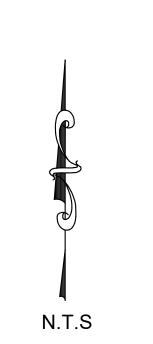
SHEET NO.	DESCRIPTION	VV
1	KEY SHEET	
2	NOTES TO REVIEWER	
3	SIGNATURE SHEET	
4	EXISTING CONDITIONS PLAN	
5	DEMOLITION & SEDIMENT & EROSION CO	ONTROL PLAN
6	SITE PLAN	
7-8	POND SECTIONS	
9	GRADING AND DRAINAGE PLAN	$\pi \pi \Lambda$
10	POND DETAILS	
11	DRAINAGE STRUCTURES	
12	DRIVEWAY SECTION	
13	UTILITY ADJUSTMENTS	
14	GENERAL NOTES & DETAILS	
15	GENERAL DETAILS	
16	DRAINAGE STRUCTURE DETAILS	

MANATEE COUNTY PROJECT No. 6115800

*STRIKE THROUGH TEXT = (NOT INCLUDED IN THIS SUBMITTAL)



PROJECT SITE
6525 33RD STREET EAST SARASOTA, FL



CONCEPTUAL

NOVEMBER 2023



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ENLARGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

MANATEE COUNTY PROJECT MANAGER: JERRY VARGHESE, PMP, LEED AP, CGC

SITE PLANS

PROFESSIONAL OF RECORD: AUSTIN T GOFF, P.E.

FLORIDA P.E. # 72437

PATEL, GREENE & ASSOCIATES, LLC 12570 TELECOM DRIVE TEMPLE TERRACE, FL 33637 PHONE: (813) 978-3100

DATE	DESCRIPTION

KEY SHEET REVISIONS

GOVERNING DESIGN STANDARDS:

PERMITS

SWFWMD

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2023-24 DESIGN STANDARDS, eBOOK (DSeB) AND APPLICABLE DESIGN STANDARDS REVISIONS (DSRs) AT THE FOLLOWING WEBSITE:

https://www.fdot.gov/design/standardplans/current/default.shtm

GOVERNING STANDARD SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2023-24 STANDARD, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:

http://www.fdot.gov/programmanagement/Implemented/SpecBooks

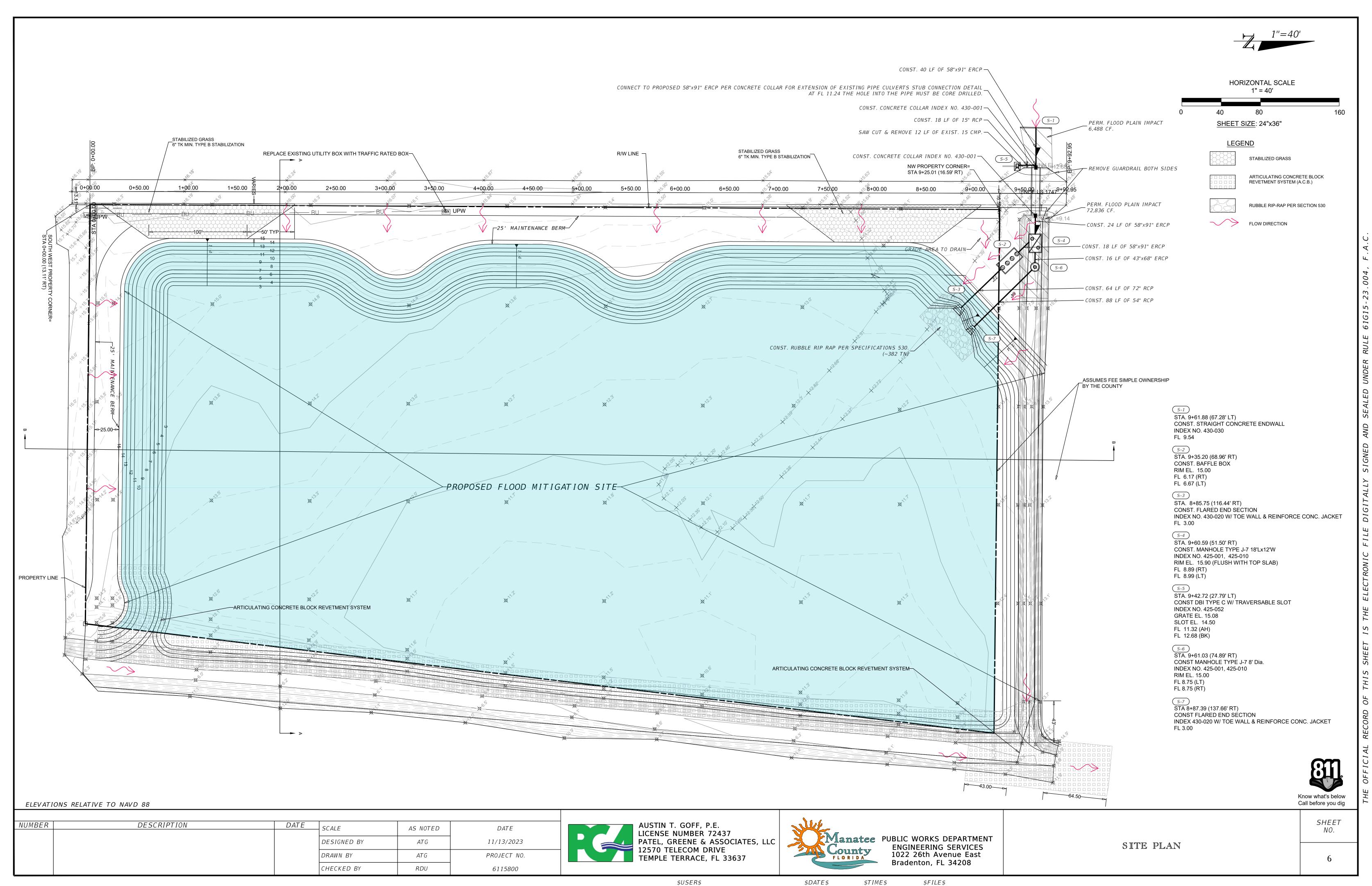


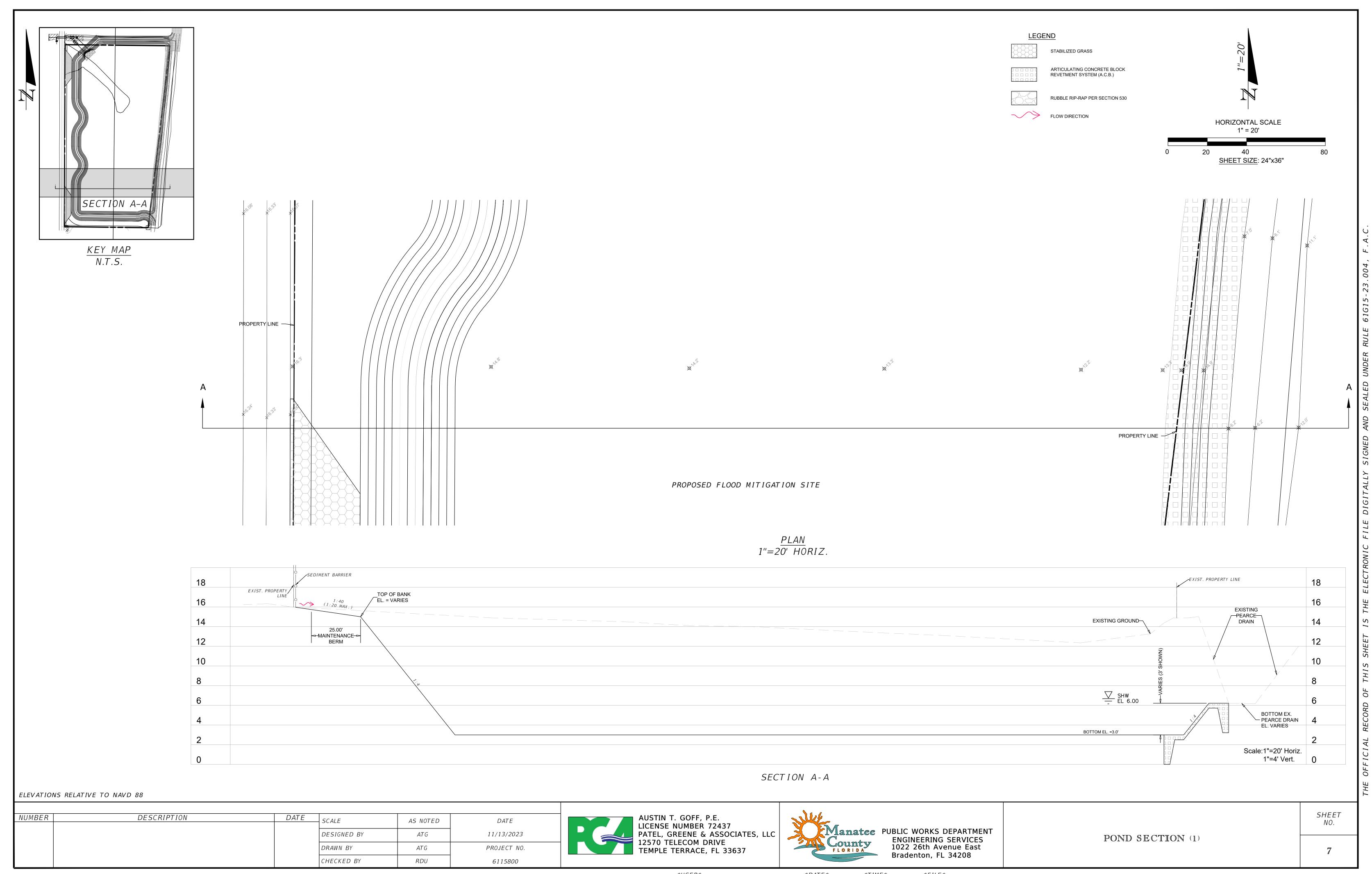
PROJECT AREA				
	SQUARE FEET	ACRES		
OFF-SITE	121,532.00	2.78		
ON-SITE	443,188.63	10.17		

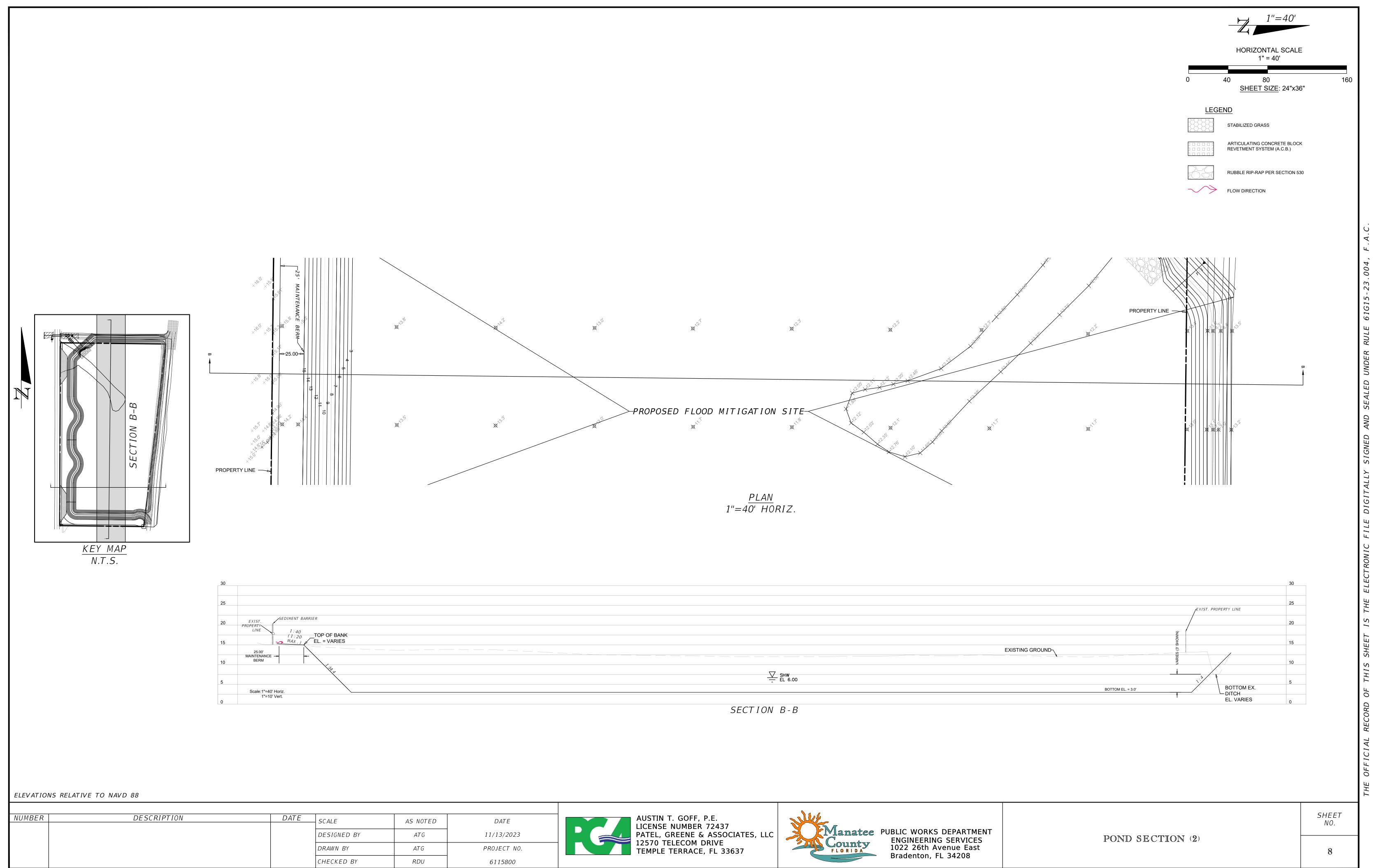
SHEET NO.

\$TIME\$

\$DATE\$







MADE FOR THIS WORK.

3. ANY PORTION OF THE EXISTING RIGHT OF WAY THAT IS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REDRESSED AND SODDED AT THE CONTRACTOR'S EXPENSE. 4. NO STOCKPILE OF MATERIAL IS PERMITTED WITHIN THE PROJECT LIMITS WITHOUT PRIOR APPROVAL OF THE

5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXISTING DRAINAGE INVERT ELEVATIONS THAT WILL REMAIN PART OF THE PROPOSED DRAINAGE SYSTEM. ANY DIFFERENCE FROM PLAN ELEVATION SHALL BE REPORTED TO THE ENGINEER.

6. EXISTING SIDEWALK, CURB & GUTTER, TRAFFIC SEPARATOR, FENCE, DRAINAGE STRUCTURES, AND PIPES WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED, UNLESS OTHERWISE NOTED.

TO THE PROJECT AND TO REJECT ALL MATERIALS NOT MEETING ACCEPTABLE STANDARDS. 8. ANY DAMAGE TO COUNTY OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY, PAYMENT SHALL NOT BE

7. THE COUNTY RESERVES THE RIGHT TO PERFORM QUALITY ASSURANCE TESTING ON ALL MATERIAL DELIVERED

9. OVERALL CLEANUP SHALL BE ACCOMPLISHED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR MOBILIZATION. 10. SEE COUNTY HIGHWAY & TRAFFIC STANDARD MANUAL ROAD CONNECTION DETAIL 403.3 AT ALL WIDENING AND

CONNECTIONS TO EXISTING PAVEMENT. 11. THE CONTRACTOR IS TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL DRAINAGE STRUCTURES AND PIPES PRIOR TO ORDERING, CASTING OR PLACING PROPOSED DRAINAGE STRUCTURES AND PIPES. 12. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE

COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD

AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS. 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER. 14. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE

ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION. 15. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY

16. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC. 17. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

18. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB

SITE DAILY. ROADS SHALL BE SWEPT DAILY AS PART OF DAILY CLEAN UP.

19. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED. 20. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.

21. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.

22. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL

23. IF THERE IS A DISCREPANCY OR CONFLICT BETWEEN PLAN NOTES AND MANUFACTURER RECOMMENDATIONS WHEN INSTALLING COMPONENTS, CONTACT THE ENGINEER FOR DIRECTION BEFORE PRECEDING.

24. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM, 1988 ADJUSTMENT (NAVD 88).

25. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEY AND MAPPER OF RECORD IS:

TRAVIS D. PARK, P.S.M. P.S.M. NO.: 6731 PARK COASTAL SURVEYING, LLC. 1329 10TH STREET EAST PALMETTO, FL 34221

> 6" ENVIROGRID GEOCELL FILLED WITH COURSE FILTER MATERIAL - ARMORGRID (SEE NOTE 2) COURSE FILTER ----MATERIAL PREPARED SUBGRADE -1. GRANULAR FILTER DESIGN SHALL CONFORM TO HEC-23 - DESIGN GUIDELINE 16, FILTER DESIGN. ARMORGRID SIZED FOR THE COURSE MATERIAL D₅₀ **C**NTECH TYPICAL ACB SECTION ARMORTEC ENGINEERED SOLUTIONS LLC WITH GRANULAR FILTER www.ContechES.com 025 Centre Pointe Dr., Suite 400, West Chester, OH 45069

800-338-1122 513-645-7000 513-645-7993 FAX

ELEVATIONS RELATIVE TO NAVD 88

DESCRIPTION NUMBER DATEAS NOTED DATEDESIGNED BY ATG11/13/2023 DRAWN BY ATGPROJECT NO. CHECKED BY RDU6115800



AUSTIN T. GOFF, P.E. LICENSE NUMBER 72437 PATEL, GREENE & ASSOCIATES, LLC 12570 TELECOM DRIVE TEMPLE TERRACE, FL 33637

TE: 03/17/2022 SCALE: NTS PROJECT No.: SEQ. No.: DRAWN: MG CHECKED: DP, CBK

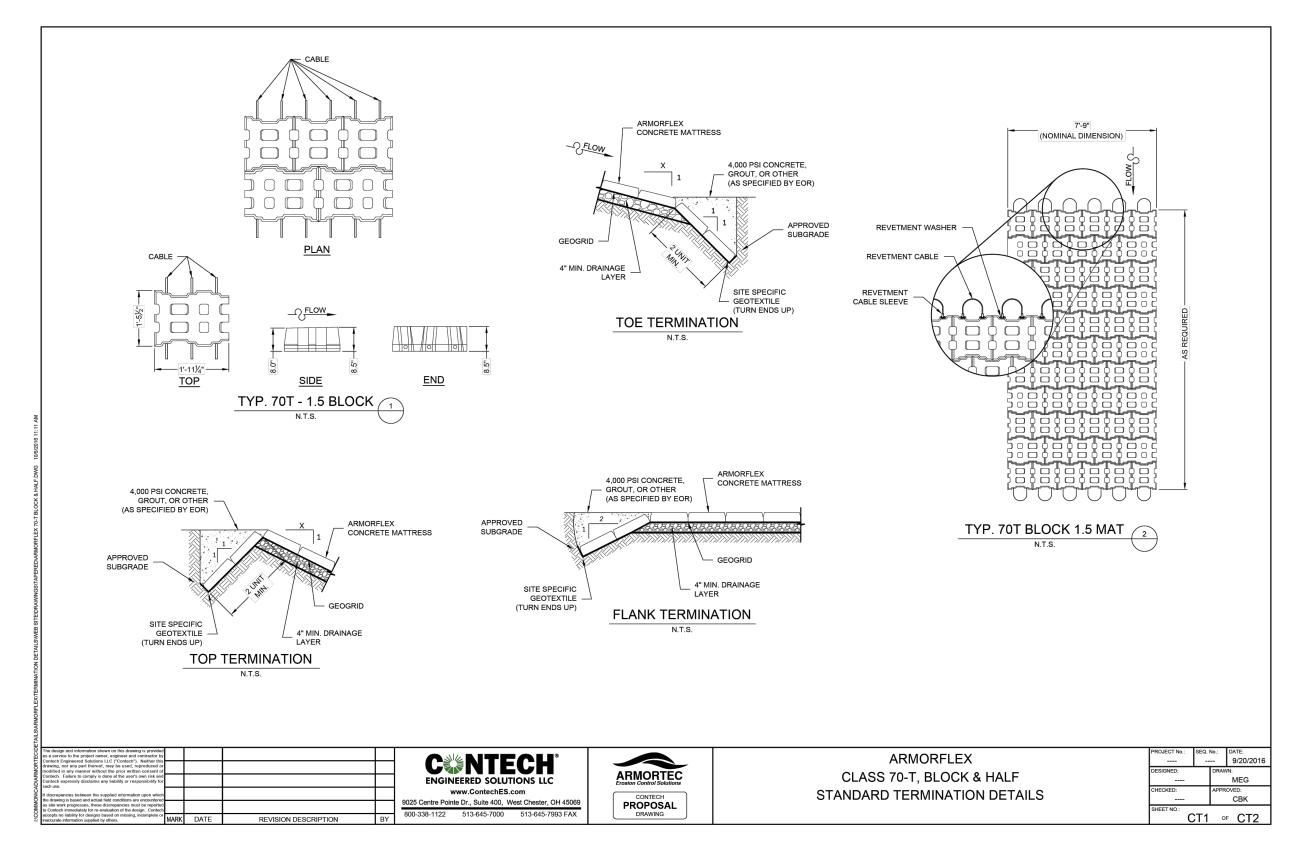
\$DATE\$

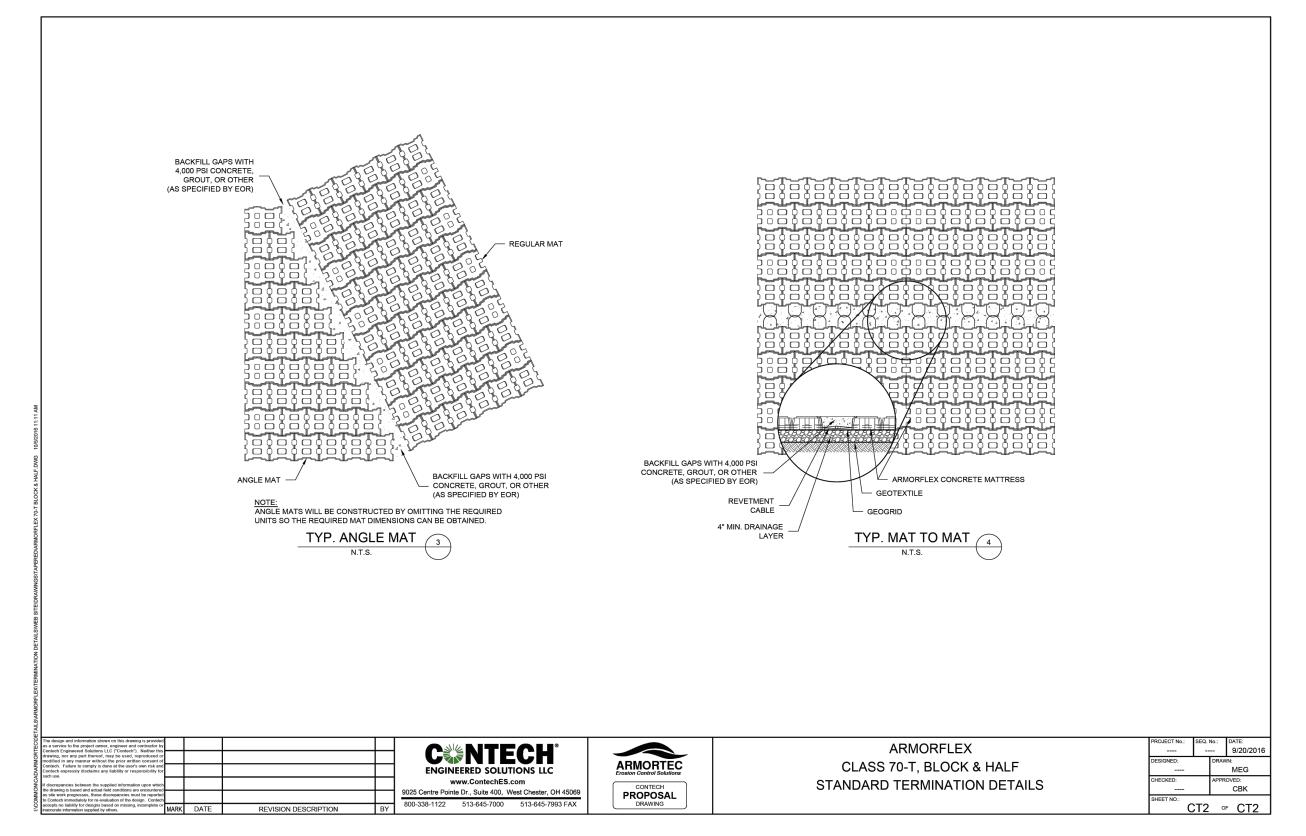
Vlanatee PUBLIC WORKS DEPARTMENT

ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM (A.C.B.)

ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM OPEN-CELL BLOCK (A.C.B.) DETAIL

DETAIL REPRESENTATIVE OF PROPOSED ACP. CONTRACTOR TO COORDINATE WITH VENDOR FOR MANUFACTURES SPECIFICATIONS ON SPECIFIED MATERIAL. SELECTED PRODUCT SHALL BE EQUAL OR BETTER THAN SHOWN.





GENERAL NOTES & DETAILS

SHEET NO.

\$USER\$

\$TIME\$

\$FILE\$

ENGINEERING SERVICES

1022 26th Avenue East

Bradenton, FL 34208

