

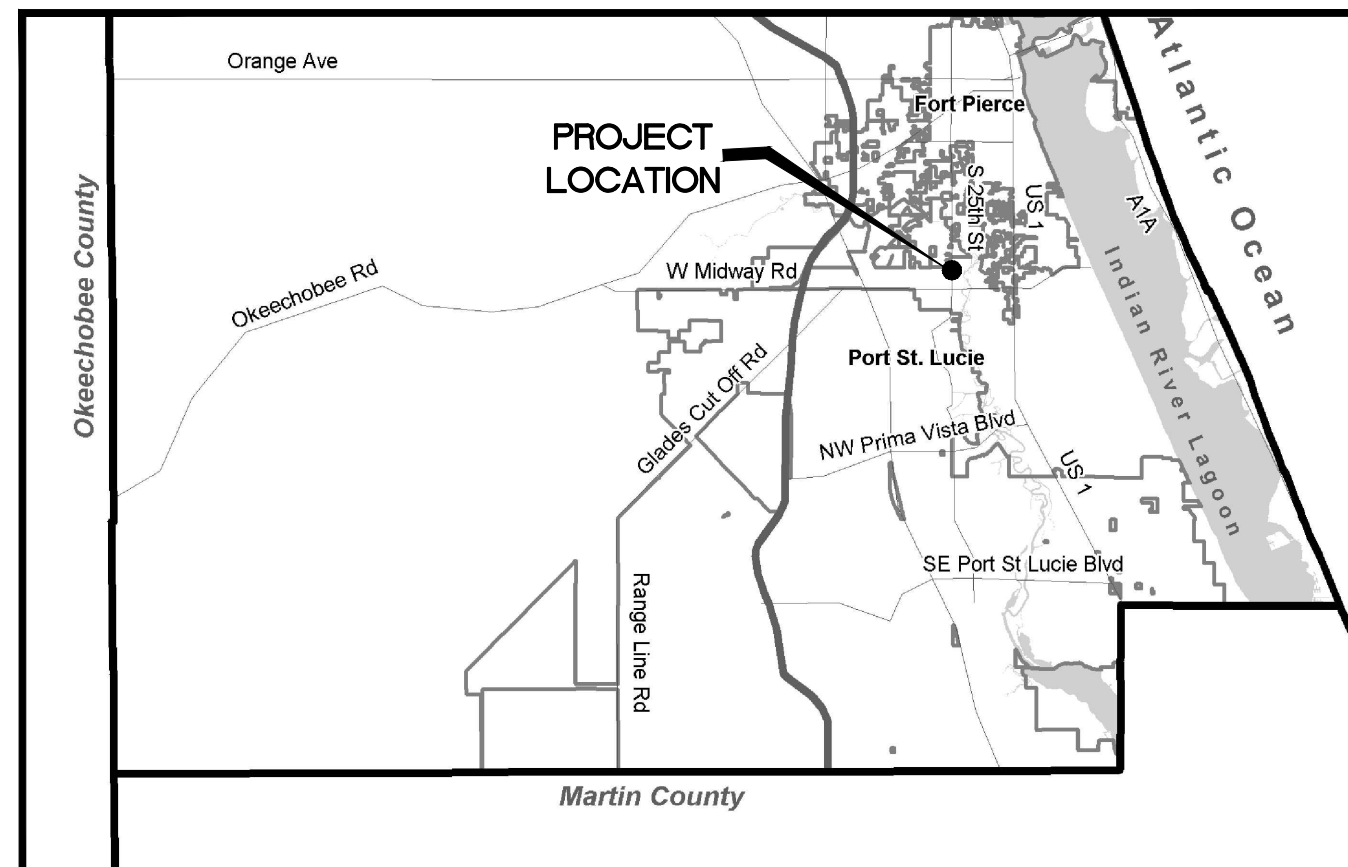
# BIBLE BAPTIST CHURCH SITE IMPROVEMENTS

SECTION 32, TOWNSHIP 35S, RANGE 40E  
CITY OF FORT PIERCE, FLORIDA

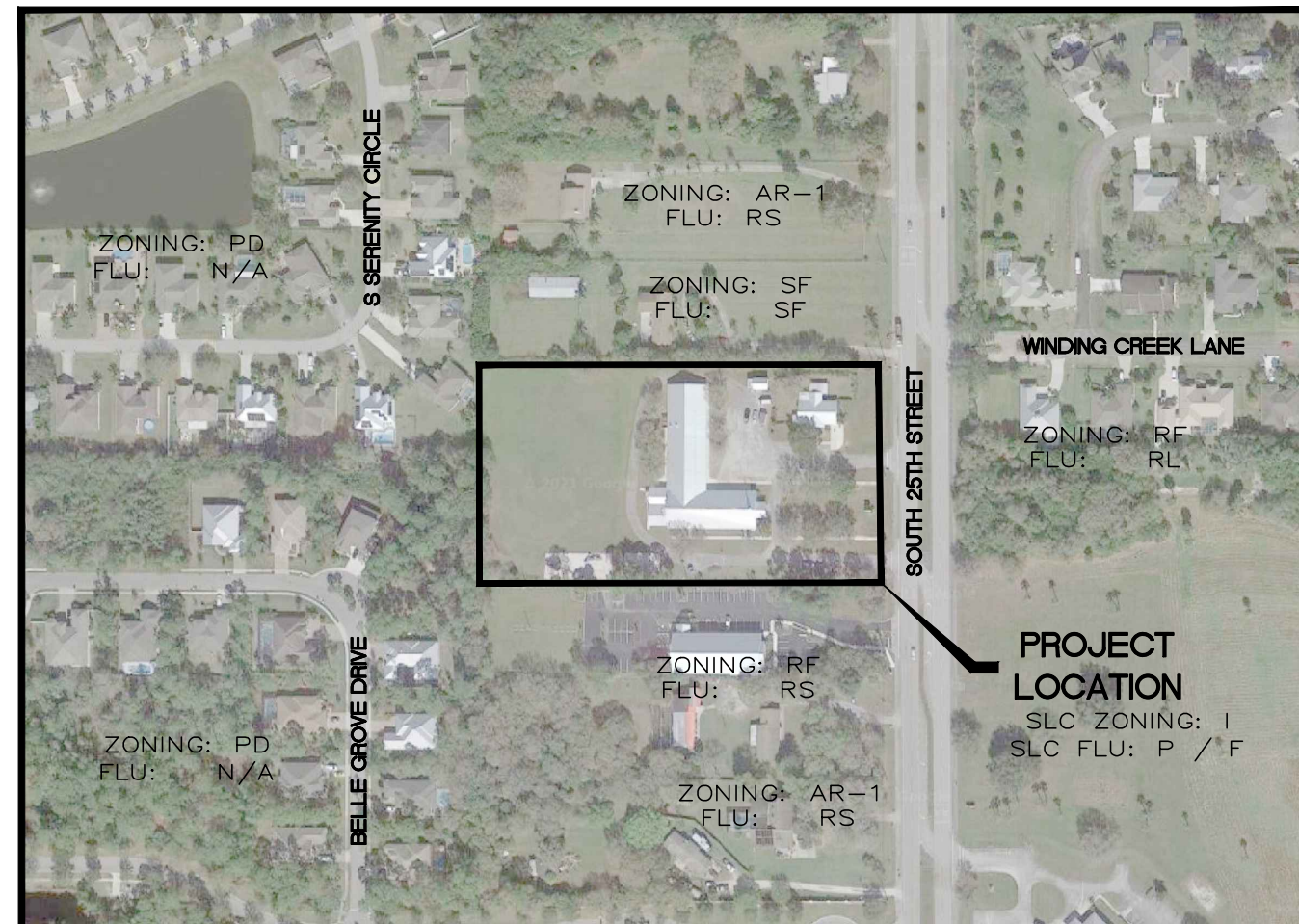
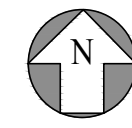
MARCH 2023

## INDEX OF DRAWINGS

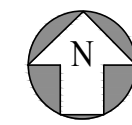
- C1 COVER SHEET
- C2 GENERAL NOTES
- C3 EXISTING CONDITIONS, DEMOLITION, AND EROSION CONTROL PLAN
- C4 SITE PLAN
- C5 PAVING, GRADING AND DRAINAGE PLAN
- C6 SITE DETAILS



LOCATION MAP



VICINITY MAP



## OWNER / APPLICANT

BIBLE BAPTIST CHURCH OF FP INC.  
4401 S 25TH STREET  
FORT PIERCE, FLORIDA 34981  
PHONE: (772) 461-6630

## ENGINEER



CIVIL ■ STRUCTURAL ■ SURVEYING ■ ENVIRONMENTAL

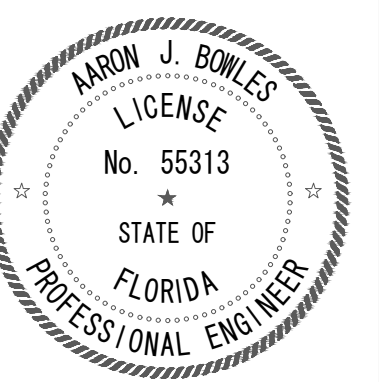
1835 20TH STREET  
VERO BEACH, FLORIDA 32960  
PH: (772) 569-0035  
MELBOURNE, FL - PH: (321) 253-1510  
FT. PIERCE, FL - PH: (772) 468-9055

## SURVEYOR

SUBCON FIELD SERVICES, INC.

2132 SE ELDER DRIVE  
STUART, FLORIDA 34994  
PHONE (772) 380-5005

I:\Projects\2023\Bible Baptist Church\Drawings\21-0328 Base CBRS.dwg 3/1/2023 11:17 AM CAMERON JOHNSON



AARON J. BOWLES  
FL. P.E. #55313

DATE: 4/17/23  
PROJECT: 21-0328

SHEET

C1

This item has been digitally signed & sealed by Aaron Bowles, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

ALL ELEVATIONS REFERENCE NAVD 88

**PRE-CONSTRUCTION REQUIREMENTS:**

- 1. THE CONTRACTOR IS REQUIRED TO PERFORM HIS WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE VARIOUS PERMITS WHICH WILL BE OBTAINED PRIOR TO BEGINNING CONSTRUCTION.
2. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE (SEQUENCE OF OPERATIONS) PRIOR TO THE PRE-CONSTRUCTION MEETING.
3. CONTRACTOR WILL ATTEND A PRE-CONSTRUCTION MEETING WITH THE DESIGN ENGINEER, MUNICIPALITY AND/ OR OWNER PRIOR TO LAND DISTURBANCE.
4. SHOP DRAWINGS SHALL BE SUBMITTED BEFORE ORDERING MATERIAL FOR PLANNED PROJECT. CORRESPONDING SHALL BE BETWEEN THE DESIGN ENGINEER AND THE LOCAL GOVERNING AGENCY AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

**CONSTRUCTION NOTES:**

- 1. THE CONTRACTOR IS ADVISED TO THOROUGHLY REVIEW THIS PLAN PACKAGE SO AS TO BE TOTALLY PREPARED TO PRESENT HIS BID PRICES IN THE CONTRACT DOCUMENTS. THE PLAN PACKAGE SUFFICIENTLY DELINEATES THE SCOPE AND INTENT OF THE ROADWAY WORK TO BE ACCOMPLISHED. IT WILL, THEREFORE, BE INCUMBENT ON THE CONTRACTOR TO ADJUST HIS BID DOLLARS TO REFLECT ANY AND ALL ITEMS WHICH MAY NOT BE CLEARLY OUTLINED OR THOSE ITEMS WHICH MAY NOT BE INDICATED BUT WHICH ARE NECESSARY FOR THE SUCCESSFUL COMPLETION OF THIS PROJECT WITHOUT ADDITIONAL COSTS TO THE OWNER.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF FORT PIERCE AND FDOT STANDARDS AND SPECIFICATIONS.
3. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR THE COORDINATION OF UTILITY RELOCATION.
4. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES IN THE FIELD WITH UTILITY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION, AS REQUIRED BY THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT. NOTIFY SUNSHINE AT 811.
6. CONTRACTOR SHALL TAKE EXTREME CAUTION WHEN EXCAVATING NEARBY EXISTING UTILITIES.
7. CONTRACTOR SHALL INFORM ENGINEER OF ANY CONFLICT BEFORE ANY FURTHER WORK IS COMPLETED.
8. UTILITIES ARE TO BE ADJUSTED BY UTILITY OWNER OR AS DIRECTED BY THE ENGINEER.
9. SURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE ENGINEER IF ADDITIONAL INFORMATION IS AVAILABLE. TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING, AND IS TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
10. CONTRACTOR SHALL NOTIFY THE ENGINEER IF SOIL OR SUBSURFACE CONDITIONS UNSUITABLE FOR CONSTRUCTION ARE ENCOUNTERED.
11. ALL EXCAVATED SOILS DEEMED SUITABLE AS FILL MATERIAL AS DETERMINED BY THE ENGINEER SHALL BE UTILIZED ON SITE BY THE CONTRACTOR AT HIS OWN EXPENSE. THE EXACT LOCATION OF DELIVERY ON SITE SHALL BE DETERMINED BY THE ENGINEER. ALL EXCAVATED SOILS DEEMED UNSUITABLE SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE.
12. ITEM IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES, PAVEMENT AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT HIS OWN EXPENSE.
13. CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS FOR CONSTRUCTION.
14. IT SHOULD BE NOTED THAT THE OCCUPATIONAL SAFETY AND HEALTH ACT PROHIBITS THE OPERATING OF EQUIPMENT OR MACHINES CLOSER THAN TEN (10) FEET TO ENERGIZED ELECTRIC LINES RATES AT FIFTY KILOVOLTS OR BELOW. ALSO, NO EXCAVATION IS PERMITTED WITHIN FIVE (5) FEET OF POWER POLE FACILITIES.
15. ALL IRONS AND MONUMENTS (P.R.M.'S) SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX.
16. ANY PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED, THE CONTRACTOR WILL NOTIFY THE ENGINEER.
17. ALL EXISTING TREES WITHIN THE RIGHT OF WAY ARE TO BE REMOVED AS CLEARING AND GRUBBING UNLESS OTHERWISE NOTED.
18. WHEN REFERENCED TO FDOT, FDOT REFERS TO FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
19. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN THAT WHICH IS NOW EXISTING.
20. BACKFILL, GRADE AND SOD AS REQUIRED AROUND ALL NEW CONSTRUCTION AND ALL DEVELOPED LOTS TO PREVENT EROSION. SEED AND MULCH WILL ONLY BE ALLOWED TO RESTORE UNDEVELOPED LOTS AFFECTED BY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
21. SODDING TO BE USED AT LOCATIONS AS DIRECTED BY THE ENGINEER. SOD ALL DISTURBED AREAS UPON COMPLETION. ALL IMPACTS TO CITY OF FORT PIERCE RIGHT-OF-WAY NEED TO BE SODDED WITHIN THREE DAYS OF FINAL GRADING.
22. ALL EXCESS CONSTRUCTION MATERIAL AND WASTE TO BE HAULED OFF-SITE AND DISPOSED OF PROPERLY AT CONTRACTOR'S EXPENSE.
23. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH FDOT STANDARDS FOR TRAFFIC CONTROL THROUGH WORK ZONES AND MUTCD (PART VI).
24. PROPERTY OWNERS AND BUSINESSES WITHIN THE AREA OF CONSTRUCTION SHALL BE GIVEN ACCESS TO THEIR PROPERTY AT ALL TIMES DURING THE PERIOD OF CONSTRUCTION.
25. ALL MAILBOXES SHALL BE RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE U.S. POSTAL MAIL CARRIER.
26. THE CONTRACTOR SHALL REMOVE, COVER OR OBLITERATE EXISTING ROADWAY SIGN AND PAVEMENT MARKINGS THAT CONFLICT WITH THE CONSTRUCTION TRAFFIC CONTROL PLANS PER COUNTY APPROVAL.
27. CONTRACTOR TO PROTECT ALL SPRINKLER HEADS NOT IN CONFLICT WITH DESIGN AND RELOCATE ALL THOSE WHICH ARE IN CONFLICT TO A LOCATION DETERMINED IN NAVD FIELD.
28. SOD TWO (2) FEET MINIMUM ALONG SIDE PROPOSED EDGE OF PAVEMENT. ENTIRE DISTURBED AREA WITHIN CITY OF FORT PIERCE RIGHT-OF-WAY MUST BE SODDED.
29. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY DRAINAGE MEASURES AS REQUIRED TO ADEQUATELY DRAIN THE PROJECT AND ANY TEMPORARILY TRAVELED ROADWAYS. TEMPORARY DRAINAGE DESIGN, CONSTRUCTION AND MAINTENANCE IS THE CONTRACTOR'S RESPONSIBILITY; HOWEVER, ALL SUCH MEASURES MUST BE APPROVED BY THE ENGINEER.
30. THE EXISTING SIDEWALK SHALL NOT BE DISTURBED UNLESS OTHERWISE NOTED. ALL SIDEWALKS SHALL BE PROTECTED FROM SCRAPING, MARKING, GOUGING AND CRACKING BY EQUIPMENT OR ANY OTHER MEANS. ALL SIDEWALKS THAT HAVE BEEN DISFIGURED, CRACKED OR BROKEN DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL BROKEN SIDEWALKS MUST BE REMOVED FROM THE TWO CLOSEST EXPANSION JOINTS AND WHEN REPLACED WILL RETAIN THE TWO EXPANSION JOINTS AND HAVE NO CONTRACTION JOINTS AND FINISH TO MATCH THE ADJOINING EXISTING SIDEWALKS.
31. GRADES SHOWN ARE FINISHED GRADES.
32. SAWCUT CONCRETE OR ASPHALT DRIVEWAYS AS REQUIRED FOR REPLACEMENT.
33. ALL ABANDONED UTILITIES (INCLUDING PIPES, CABLES AND STRUCTURES) FOUND IN THE RIGHT OF WAY AND NOT SHOWN ON THE PLANS, ARE TO BE REMOVED AND PROPERLY DISPOSED OF AT THE EXPENSE OF THE CONTRACTOR. THIS INCLUDES ALL EXOTIC PIPES LIKE ASBESTOS-CEMENT PIPE. COST TO BE INCLUDED IN CLEARING AND GRUBBING ITEM.
34. DRIVEWAY LOCATIONS AND WIDTHS ARE APPROXIMATE AND ARE TO BE ADJUSTED AS NECESSARY OR AS DIRECTED BY THE ENGINEER. ANY MODIFICATIONS OF DRIVEWAY WIDTHS AND / OR LOCATIONS SHALL REQUIRE FDOT AND ST. LUCIE COUNTY REVIEW.
35. BENCHMARK DATUM IN NAVD 88.
36. BACKFILL AND SOD AS REQUIRED BEYOND RIGHT OF WAY LINES ON INDIVIDUAL LOTS TO MAINTAIN POSITIVE DRAINAGE FLOW INTO CURB AND GUTTER.
37. GRADE AND SOD SWALES TEN (10) FEET FROM PROPOSED DITCH BOTTOM INLETS AND MITERED END SECTIONS ON SIDE STREETS AS REQUIRED.
38. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN 0' (BASELINE) AND 1/2" (CENTERLINE) CONSTRUCTION THROUGHOUT THE PROJECT.
39. THE CONTRACTOR SHALL REMOVE DRIVEWAY APRONS AND DRIVEWAY CULVERTS AND SHALL MAINTAIN ROUGH GRADE FOR UTILITY MODIFICATIONS.
40. ALL EXISTING STORMWATER CONVEYANCE SWALES, WITHIN THE AREA OF DEVELOPMENT THAT ARE IDENTIFIED TO REMAIN, SHALL BE PROTECTED BY THE CONTRACTOR. ANY DAMAGE TO THE SWALES IDENTIFIED TO REMAIN SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE. EXISTING FARM SWALES ARE NOT TO REMAIN.
41. PAYMENT FOR INCIDENTAL ITEMS NOT SPECIFICALLY COVERED IN THE INDIVIDUAL BID ITEMS SHALL BE INCLUDED IN THE CONTRACT PRICES FOR BID ITEMS.
42. MAINTAIN A MINIMUM OF ONE (1) FOOT CLEARANCE BETWEEN POWER POLE AND EDGE OF SIDEWALK.
43. THE FINAL SURFACE COURSE OF THE PROPOSED ASPHALT PAVEMENT, FOR THE ON-SITE DEVELOPMENT, SHALL BE PLACED UPON COMPLETION OF ALL OTHER PERMANENT ON-SITE CONSTRUCTION. THIS APPLIES TO ON-SITE WORK ONLY.
44. CONSTRUCTION OPERATIONS FOR THE PLACEMENT OF THE FINAL SURFACE COURSE FOR THE ON-SITE ASPHALT PAVEMENT SHALL BE LIMITED TO A DISTANCE, AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL COMPLETE IN ONE (1) DAY. THIS APPLIES TO ON-SITE WORK ONLY.
45. THE CONTRACTOR SHALL IMPLEMENT TEMPORARY PAVEMENT MARKINGS UNTIL THE FINAL SURFACE COURSE HAS CURED (MINIMUM THIRTY (30) DAYS AFTER FINAL SURFACE COURSE PLACEMENT). ANY TEMPORARY PAINTED MARKINGS PLACED ON THE FINAL SURFACE SHALL BE COMPLETELY REMOVED OR COVERED TO PROVIDE A CLEAN SINGLE LINE FINISH AT ALL PAVEMENT MARKING LOCATIONS.
46. PAVEMENT TRANSITION SHALL BE MADE IN ACCORDANCE WITH PAVEMENT BUTT JOINT DETAIL, SEE SHT. C6.
47. ALL APPROVED PERMIT CONDITIONS, INCLUDING BUT NOT LIMITED TO FDOT, FDEP, ST. LUCIE COUNTY AND CITY OF FORT PIERCE, SHALL BE MET BY CONTRACTOR PRIOR TO CERTIFICATION OF COMPLETION BY ENGINEER.
48. ANY IMPACTED SIDEWALKS SHALL HAVE THE ENTIRE SLAB REMOVED / REPLACED BETWEEN EXPANSION JOINTS AND REPLACED WITH NEW SIDEWALK AND APPROPRIATE EXPANSION JOINTS AND CONTRACTION JOINTS.

**ROADWAY SPECIFICATIONS**

**GENERAL**
IT IS INTENDED THAT THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" MOST CURRENT EDITION BE USED WHERE APPLICABLE FOR VARIOUS WORK, AND THAT WHERE SUCH WORDING THEREIN REFERS TO THE STATE OF FLORIDA AND ITS DEPARTMENT OF TRANSPORTATION AND PERSONNEL, SUCH WORDING IS INTENDED TO BE REPLACED WITH THAT WORDING WHICH WOULD PROVIDE PROPER TERMINOLOGY, THEREBY MAKING SUCH "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS THE "STANDARD SPECIFICATIONS" FOR THIS PROJECT.
IF WITHIN THAT PARTICULAR SECTION ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE A PART OF THE STANDARD SPECIFICATIONS ALSO.
THE CONTRACTOR SHALL GIVE THE ENGINEER 48 HOURS NOTICE PRIOR TO REQUESTING INSPECTIONS AND SHALL SUPPLY ALL EQUIPMENT NECESSARY TO PROPERLY TEST AND INSPECT THE COMPLETED WORK.
THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF TWO YEARS FROM THE DATE OF PROJECT ACCEPTANCE, DURING WHICH ALL FAULTY CONSTRUCTION AND/OR MATERIALS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
**GRADING**
THE CONTRACTOR SHALL PERFORM ALL GRADING NECESSARY TO ACHIEVE THE PROPOSED PLAN GRADES INCLUDING TYPICAL SECTIONS.
ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 120 OF THE STANDARD SPECIFICATIONS.
**STAKING**
CONSTRUCTION STAKING WILL BE PERFORMED BY THE CONTRACTOR.
**STABILIZING**
STABILIZED SUBGRADE SHALL BE CONSTRUCTED TO THE FLORIDA BEARING VALUE AS PER PLAN FOR THE DEPTH AND LIMITS SHOWN ON THE PLAN, AND IN ACCORDANCE WITH SECTION 160 OF THE STANDARD SPECIFICATIONS.
(TYPE C STABILIZATION) ALL STABILIZED AREAS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
**BASE COURSE**
THE BASE SHALL BE CONSTRUCTED OF EITHER LIMEROCK MATERIAL IN ACCORDANCE WITH SECTION 911 OR CEMENTED COQUINA SHELL MATERIAL IN ACCORDANCE WITH SECTION 915 OF THE STANDARD SPECIFICATIONS.
LIMEROCK BASE AND CEMENTED COQUINA SHELL BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 200 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE ROCK PIT CERTIFICATION FOR CEMENTED COQUINA SHELL MATERIAL. BASE SHALL BE COMPACTED BY AT LEAST 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. BASE SHALL BE APPROVED PRIOR TO PRIME COAT.
**PRIME AND TACK COAT**
PRIME AND TACK COAT FOR THE BASE SHALL BE IN ACCORDANCE WITH SECTION 300 OF THE STANDARD SPECIFICATIONS.
**ASPHALTIC CONCRETE SURFACE COURSE (A.C.S.C.)**
TYPE SP-9.5 AND TYPE SP-12.5 ACSC SHALL BE CONSTRUCTED FOR THE DEPTH AND LIMITS SHOWN ON THE PLAN, IN ACCORDANCE WITH SECTIONS 320, AND 330 OF THE STANDARD SPECIFICATIONS.
**TESTING**
THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN APPROVED INDEPENDENT TESTING LABORATORY TO CONDUCT ALL REQUIRED TESTS ON SUBGRADE, BASE AND SURFACE COURSE MATERIALS. TEST RESULTS MUST BE SUBMITTED PRIOR TO ANY REQUEST FOR PAYMENT ON THE ABOVE ITEMS.
THE SCHEDULE FOR TESTING OF THE ROAD CONSTRUCTION SHALL BE AS FOLLOWS:
A. SUBGRADE:
1. FLORIDA BEARING VALUE TESTS SHALL BE TAKEN AT INTERVALS OF NOT MORE THAN 200 FEET, OR CLOSER AS MIGHT BE NECESSARY IN THE EVENT OF VARIATIONS IN SUBSOIL CONDITIONS.
2. DENSITY TESTS SHALL BE TAKEN AT INTERVALS OF NOT MORE THAN 200 FEET OR CLOSER AS MIGHT BE NECESSARY.
B. BASE:
1. DENSITY TESTS SHALL BE TAKEN AT INTERVALS OF NOT MORE THAN 500 FEET OR CLOSER AS MIGHT BE NECESSARY.
ALL TESTING SHALL BE TAKEN IN A STAGGERED SAMPLING PATTERN FROM A POINT 1 1/2 INCHES INSIDE THE LEFT EDGE, TO THE CENTER, TO A POINT 12 INCHES INSIDE THE RIGHT EDGE OF THE ITEM TESTED.
IF ANY TEST INDICATES THAT THE WORK DOES NOT MEET THE SPECIFICATIONS, THE SUBSTANDARD AREA SHALL BE REWORKED OR CORRECTED AND RETESTED, AT THE CONTRACTOR'S EXPENSE, UNTIL THE PROVISIONS OF THESE SPECIFICATIONS ARE MET.
ALL PASSING TESTS SHALL BE PAID FOR BY THE OWNER. ALL FAILING TESTS SHALL BE PAID FOR BY THE CONTRACTOR.
**CLEAN-UP**
THE CONTRACTOR MUST PROVIDE CLEAN-UP OF EXCESS CONSTRUCTION MATERIAL UPON COMPLETION OF THE PROJECT. THE SITE MUST BE LEFT IN A NEAT, CLEAN, GRADED CONDITION.
**CONSTRUCTION IN STREETS AND ROAD RIGHT-OF-WAYS**
1. OPEN ROAD CUTS REQUIRES PRIOR APPROVAL OF THE CITY, COUNTY, STATE OR ANY OTHER AGENCY WHICH MAY HAVE JURISDICTION.
2. ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARDS.
3. ALL AREAS IN EXISTING RIGHT-OF-WAYS DISTURBED BY CONSTRUCTION SHALL RECEIVE SOLID SOD WITHIN 3 DAYS.
4. STREET RESTORATION TO BE DONE AS PER FDOT AND ST. LUCIE COUNTY STANDARDS.
5. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF THE STATE, COUNTY AND CITY AUTHORITIES REGARDING CLOSING OR RESTRICTING THE USE OF PUBLIC STREETS OR HIGHWAYS.
6. TRAFFIC CONTROL ON ALL COUNTY AND STATE HIGHWAY RIGHT-OF-WAYS SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/PHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION.
7. CONTRACTOR TO SUBMIT A PEDESTRIAN DETOUR / SIDEWALK CLOSURE PLAN THAT CONFORMS TO F.D.O.T. STANDARDS AND WHICH IS APPROVED BY THE COUNTY TRAFFIC DEPARTMENT. (THIS APPLIES TO THE PROPOSED WATER UTILITY CONNECTION.)

**DRAINAGE SPECIFICATIONS**

STORM INLETS AND MANHOLES SHALL BE CONSTRUCTED IN GENERAL ACCORDANCE WITH SECTION 425 OF THE STANDARD SPECIFICATIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION.
CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 3000 PSI.
ALL REINFORCING STEEL TO BE ASTM A 615-72 GRADE 40, FYP = 40,000 PSI, AND SHALL BE HANDLED AND PLACED IN ACCORDANCE WITH ACI 318-71.
PRECAST CONCRETE MANHOLES AND STORM INLETS MAY BE USED UPON THE ENGINEER'S APPROVAL OF THE MANUFACTURER'S SHOP DRAWINGS.
STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 430 AND RELATED SECTIONS OF THE STANDARD SPECIFICATIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION.
**IMPORTED MATERIALS**
ALL IMPORTED FILL SHALL BE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS AS SPECIFIED IN THE PLANS AND GEOTECHNICAL SOILS REPORT FOR THE APPLICATIONS IT IS BEING USED. THE CONTRACTOR SHALL PROVIDE APPROPRIATE TEST REPORTS AS REQUIRED BY INDUSTRY STANDARDS, PERFORMED BY A LAB CERTIFIED IN THE STATE OF FLORIDA, DEMONSTRATING THE MATERIALS MEET OR EXCEED THE REQUIREMENTS AS SPECIFIED. FOR ITS INTENDED APPLICATION, FILL MATERIAL BEING USED FOR DRY POND FILTRATION MATERIAL SHALL PROVIDE 40%-50% VERTICAL POROSITY AND BETWEEN 1%-2% PASSING THE NO. 200 SIEVE.
**CONCRETE**
UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE AND THE APPLICABLE BUILDING CODES HAVING JURISDICTION IN THE AREA.
**CULVERT PIPES**
REINFORCED CONCRETE PIPE (R.C.P.) SHALL BE IN ACCORDANCE WITH SECTION 449 OF THE STANDARD SPECIFICATIONS.
**PRECAST CONCRETE DRAINAGE PRODUCTS**
ALL PRECAST CONCRETE DRAINAGE PRODUCTS (INCLUDING BUT NOT LIMITED TO ROUND CONC. PIPE, ELLIPTICAL CONC. PIPE, UNDERDRAINS, MANHOLES, INLETS, ENDWALLS, JUNCTION BOXES, THREE SIDED CONC. CULVERTS, AND CONC. BOX CULVERTS) SHALL BE IN ACCORDANCE WITH SECTION 449 OF THE STANDARD SPECIFICATIONS.
**GROUNDWATER**
GROUNDWATER MAY BE ENCOUNTERED ON THIS SITE. THE CONTRACTOR IS TO PLAN ACCORDINGLY. FOR DEWATERING TO PROVIDE FOR PIPE INSTALLATION, A SYSTEM CAPABLE OF MAINTAINING A GROUNDWATER LEVEL AT LEAST 2' BELOW BOTTOM OF PIPE LEVEL SHALL BE UTILIZED.
**RECORD DRAWINGS**
CONTRACTOR SHALL KEEP AND MAINTAIN RECORD DRAWINGS ON THE PROJECT SITE AT ALL TIMES WHICH SHALL BE ANNOTATED BY THE CONTRACTOR DEPICTING ANY CHANGES MADE IN THE FIELD WHICH DIFFER FROM THE CONTRACT DRAWINGS. RECORD DRAWINGS SHALL INCLUDE, BUT NOT LIMITED TO, INVERT AND TOP ELEVATIONS OF CULVERTS AND INLET STRUCTURES. CONTRACTOR SHALL SUBMIT COMPLETE AND FINAL RECORD DRAWINGS TO ENGINEER UPON COMPLETION OF PROJECT AND PRIOR TO FINAL INSPECTION AND FINAL PAYMENT.
**INSPECTION**
MINIMUM CONSTRUCTION INSPECTION CHECKPOINTS
THE ENGINEER SHALL BE NOTIFIED:
1. PRIOR TO ANY MAJOR DEVIATION FROM THE APPROVED PLANS.
2. PRIOR TO BACKFILLING ANY PIPE TRENCHES.
3. UPON COMPLETION OF SUBGRADE GRADING AND COMPACTION.
4. UPON BEGINNING OF SPREADING OF ROCK BASE MATERIAL.
5. UPON COMPLETION OF GRADING AND COMPACTION OF THE BASE MATERIAL AND PRIOR TO PRIMING.
6. IMMEDIATELY PRIOR TO AND UPON APPLICATION OF A.C.S.C.
7. UPON COMPLETION OF CONSTRUCTION.
8. ENGINEER SHALL BE NOTIFIED TO INSPECT IMPORTED BACKFILL FOR PLACEMENT IN AND AROUND THE DRY RETENTION AREAS PRIOR TO USE. AT THE REQUEST OF THE ENGINEER, THE CONTRACTOR SHALL PROVIDE TESTS FROM A LAB CERTIFIED IN THE STATE OF FLORIDA TO CONFIRM THAT THE SPECIFIED HYDRAULIC CONDUCTIVITIES CAN BE ACHIEVED BY THE SOIL THAT WAS DELIVERED.

**GENERAL NOTES**

- 1. CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.
2. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK.
3. ALL WORK SHALL BE IN WORKMANLIKE MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS AND/OR CODES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES REQUIRED TO BEGIN WORK.
4. ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH REQUIREMENTS OF THE CITY OF FORT PIERCE, WATER MANAGEMENT DISTRICT, FDEP AND THESE PLANS AND SPECIFICATIONS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST 48 HOURS IN ADVANCE FOR CONSTRUCTION OPERATIONS.
6. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
7. CONTRACTOR SHALL SUPPLY DENSITY TESTS TO ENGINEER ON ALL SUB-GRADE AND BASE. TESTS SHALL BE PREPARED PER AASHTO T-180 METHOD.
8. SLOPE GRADES FROM ELEVATIONS SHOWN TO EXISTING GRADE AT PROPERTY LINE. MAXIMUM SLOPE 4:1.
9. ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR ANY INSPECTION.
10. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH M.U.T.C.D. STANDARDS, CITY OF FORT PIERCE AND F.D.O.T.
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
12. THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE. WHEN GROUNDWATER IS ENCOUNTERED THE CONTRACTOR SHALL PLAN ACCORDINGLY.
13. EROSION CONTROL FENCING MUST BE IN PLACE PRIOR TO GRADING.
14. PIPE LENGTHS AND SLOPES SHOWN ARE APPROXIMATE.
15. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
16. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUDED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
17. CONTRACTOR SHALL ADJUST INLET/STRUCTURE OR CONNECTION LOCATION AS REQUIRED TO ENSURE PROPOSED STRUCTURES AND PIPES ARE IN PROPER ALIGNMENT AND MATCH SLOPE OF EXISTING PIPES OR CONNECTIONS.
18. THIS PLAN CONTEMPLATES ACCESS CONNECTIONS TO ADJACENT ROADS AS SHOWN.
19. FILL MATERIAL MAY NOT BE STOCKPILED HIGHER THAN SIX (6) VERTICAL FEET ONSITE PER CITY OF FORT PIERCE CODE.
20. DIMENSIONS SHOWN ARE TO EDGE OF GUTTER OR PAVEMENT. RADII SHOWN ARE TO FACE OF CURB.
21. ALL SIGNS SHALL BE PER M.U.T.C.D. STANDARDS.
22. ALL PAVEMENT MARKINGS, EXCEPT PARKING STALL STRIPING, SHALL BE THERMOPLASTIC PER CITY OF FORT PIERCE REQUIREMENTS.
23. THE USES PROPOSED AS PART OF THIS PLAN DO NOT REQUIRE A SUBMITTAL OF A RISK MANAGEMENT PLAN PURSUANT TO U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATIONS AND SHALL NOT EXCEED THE EPA'S RMP THRESHOLD QUANTITIES OF LISTED SUBSTANCES.
24. WATER FOR FIRE FIGHTING PURPOSES SHALL BE INDICATED WITH A BLUE ROADWAY REFLECTOR, PLACE ONE FOOT OFF OF THE CENTERLINE OF THE ROAD FACING THE FIRE HYDRANT. THIS INCLUDES NEW AND EXISTING SOURCES.
25. REGARDLESS OF PRIVATE OR PUBLIC DEDICATIONS, THERE SHALL BE NO UTILITY CONNECTIONS, METER BOXES OR VALVE BOXES IN EXISTING OR PROPOSED SIDEWALK OR DRIVEWAY AREAS.
26. CONTRACTOR SHALL ADJUST INLET/STRUCTURE OR CONNECTION LOCATION AS REQUIRED TO ENSURE PROPOSED STRUCTURES AND PIPES ARE IN PROPER ALIGNMENT AND MATCH SLOPE OF EXISTING PIPES OR CONNECTIONS.
27. ANY STATE AND FEDERAL PERMITS THAT MAY BE REQUIRED AS A RESULT OF LAND CLEARING AND LANDSCAPING ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
28. CONTRACTOR IS RESPONSIBLE TO PROTECT AND/OR REPLACE ALL SURVEY MONUMENTATION BY A LICENSED SURVEYOR IN THE STATE OF FLORIDA.
29. ALL PARKING SPACES WITH EXCEPTION OF THE HANDICAPPED PARKING SPACES SHALL BE STRIPED IN WHITE, TRAFFIC PAINT AND BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR FOR ROAD & BRIDGE CONSTRUCTION, SECTION 710, LATEST EDITION.
30. ALL HANDICAPPED PARKING SPACES SHALL BE PROPERLY SIGNED AND STRIPED IN ACCORDANCE WITH FDOT STANDARD INDEX 711-001, LATEST EDITION.
31. COMMERCIAL/MULTI-FAMILY BUILDINGS SHALL POST A MINIMUM 6 INCH NUMERICAL ADDRESS.
32. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE REQUIRED ON EXISTING / PROPOSED DRIVEWAYS THAT CONNECT TO THE COUNTY RIGHT-OF-WAY (ROW) AND PROPOSED PAVEMENT MARKINGS WITHIN 25' OF THE COUNTY ROW.
33. ALL SUBDIVISION CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE CITY OF FORT PIERCE ORDINANCES.
34. ALL NUISANCE EXOTIC VEGETATION EXISTING WITHIN DEVELOPMENT PROJECT SITE PROPERTY MUST BE REMOVED IN CONJUNCTION WITH SITE DEVELOPMENT.

MBV Engineering, Inc. 21-0328 BIBLE BAPTIST CHURCH SITE IMPROVEMENTS



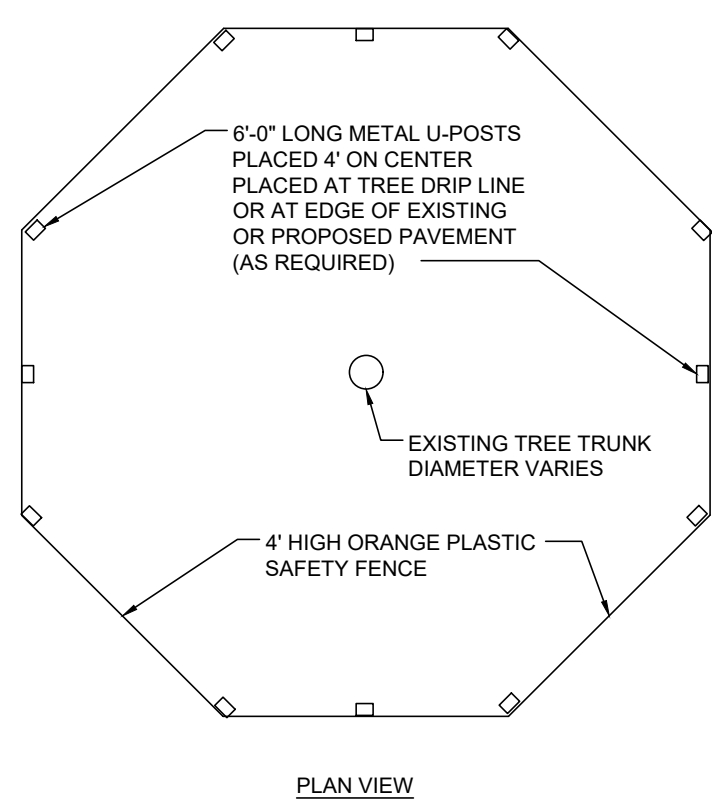
Table with columns: JOB NO., DESIGNED, DRAWN, DATE, CHECKED, DATE ISSUED, REVISIONS, DATE. Includes revision history for 21-0328.

MBV ENGINEERING, INC. logo and contact information: MOIA BOWLES VILLAMIZAR & ASSOCIATES CONSULTING ENGINEERING CA #3728. Address: 1801 S. 30TH STREET, FORT PIERCE, FL 34941. Phone: (888) 244-3310, (888) 244-3311, (888) 244-3312.

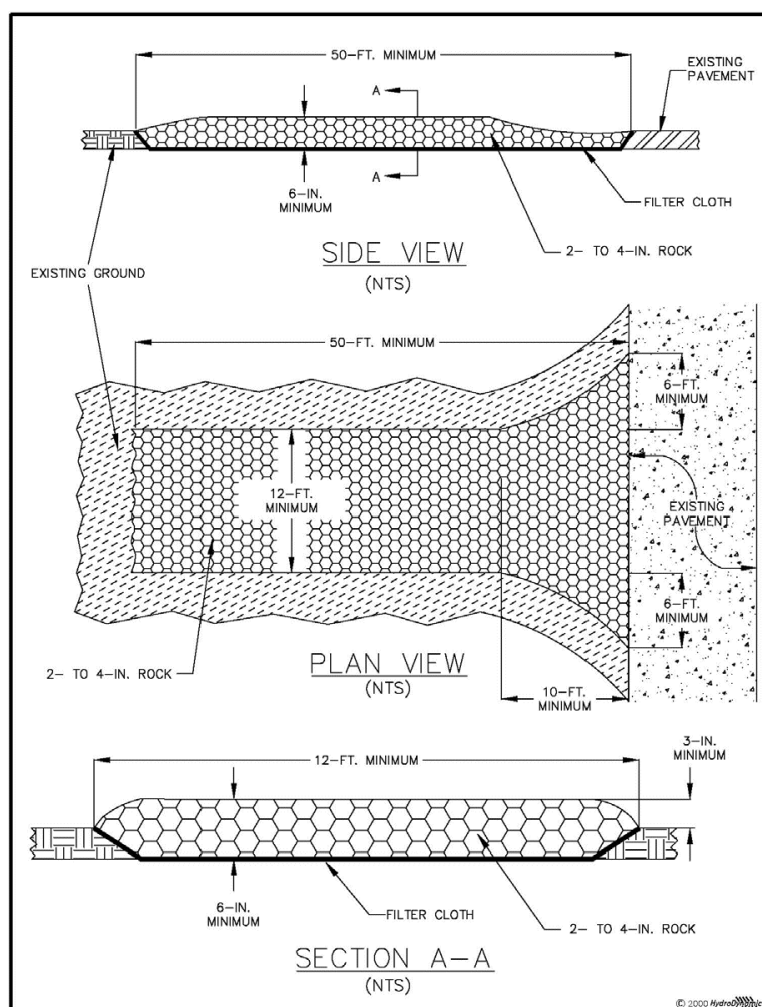
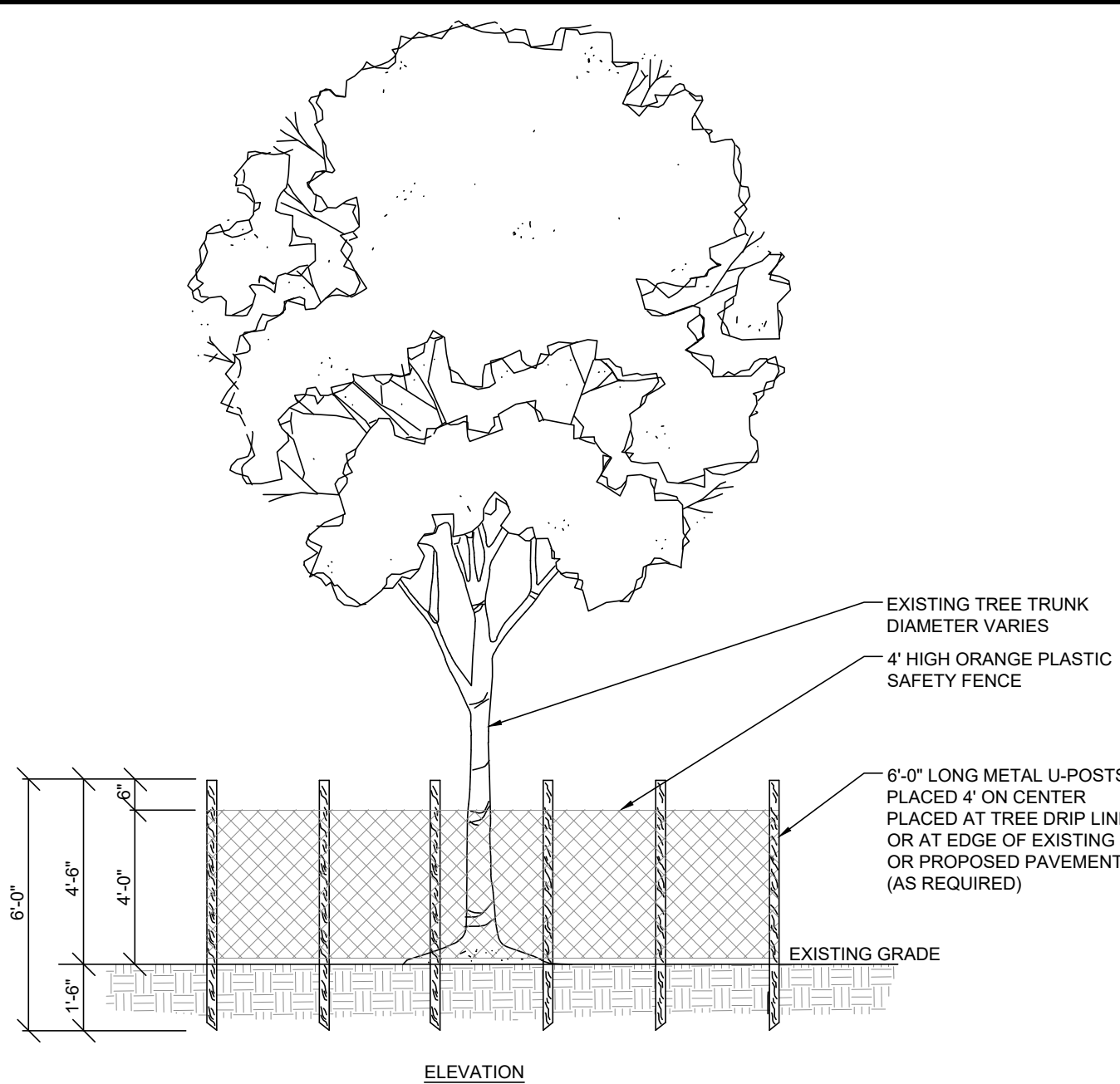
GENERAL NOTES

BIBLE BAPTIST CHURCH SITE IMPROVEMENTS. Professional Engineer License for Aaron J. Bowles, No. 55313, State of Florida. License expires 4/17/23. SHEET C2. 21-0328. CITY OF FORT PIERCE, FLORIDA.

- TREE PROTECTION NOTES:**
1. ALL TREES RETAINED ON A SITE SHALL BE PROTECTIVELY BARRICADED BEFORE AND DURING CONSTRUCTION ACTIVITIES.
  2. UNDERGROUND UTILITY LINES SHALL BE ROUTED AROUND EXISTING TREES TO THE OUTSIDE OF THE DRIP LINE WHERE ABLE.
  3. INSTALLATION OF FENCES AND WALLS SHALL TAKE INTO CONSIDERATION THE ROOT SYSTEMS OF EXISTING TREES.
  4. FENCES/BARRICADE SHALL BE INSTALLED AT PERIMETER OF ALL TREES OR GROUP OF TREES TO BE PRESERVED. FENCE SHALL BE MAINTAINED DURING CONSTRUCTION.



**TREE PROTECTION BARRIER DETAIL**



**SOIL TRACKING PREVENTION DEVICE DETAIL**

**SURVEYOR'S NOTES**

THE PARCEL DEPICTED AND DESCRIBED HEREON IS SUBJECT TO ANY RIGHTS-OF-WAYS, EASEMENTS, RESTRICTIONS, OR OTHER ENCUMBRANCES THAT A THOROUGH TITLE SEARCH MIGHT DISCLOSE.  
THIS SURVEY IN NO WAY GUARANTEES TITLE OR OWNERSHIP

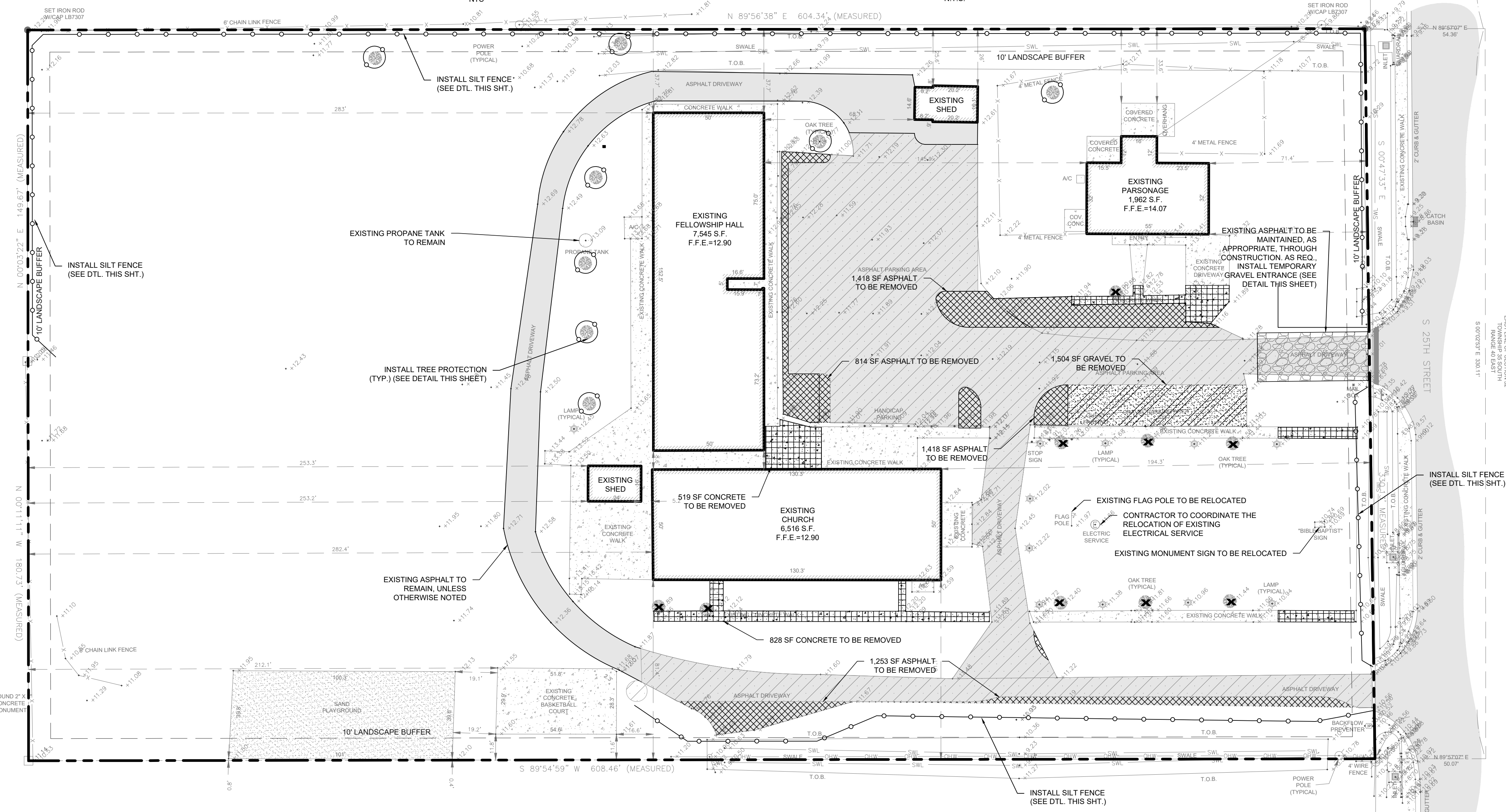
**BEARING BASE:**  
BEARING DATA BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM (N.A.D.) 83, FLORIDA EAST ZONE, AND THE WEST LINE OF SOUTH 25TH STREET IS TAKEN TO BEAR S 00°47'33\"/>

**LEGEND:**

- E- = OVERHEAD ELECTRIC
- T.O.B. = TOP OF BANK
- A/C = AIR CONDITIONER
- OAK TREE = EXISTING OAK TREE

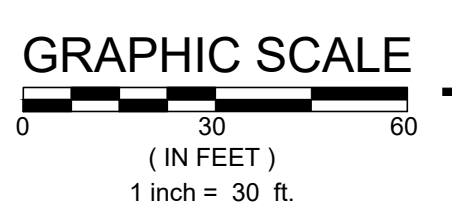
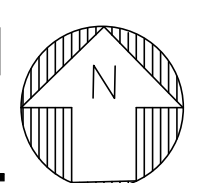
**DEMOLITION NOTES**

1. THE CONTRACTOR SHALL DETERMINE LOCATIONS, SIZES, AND INVERTS OF EXISTING UTILITIES AND TAKE PROTECTIVE MEASURES WHEN NECESSARY PRIOR TO PROCEEDING WITH THE DEMOLITION PLAN.
2. THE CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH REQUIREMENTS OF THE VARIOUS PERMITS INCLUDED IN THE BID SPECIFICATIONS. ENVIRONMENTAL CONTROLS SHALL BE USED AT LOCATIONS DESIGNATED IN THE PLANS AND/OR DESIGNATED BY THE ENGINEER.
3. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH PROJECT CONSTRUCTION. PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION.
4. CONTRACTOR SHALL PULL TREE REMOVAL PERMIT FOR ANY TREES TO BE REMOVED.
5. ANY EXISTING SERVICE LINES THAT NEED TO BE REMOVED OR RELOCATED MUST BE CUT/CAPPED AT THE CORPORATION STOP AT THE MAIN AND RUN A NEW SERVICE LINE.
6. ALL IMPACTS TO THE R-O-W SHALL BE SODDED WITHIN THREE (3) DAYS OF FINAL GRADING.



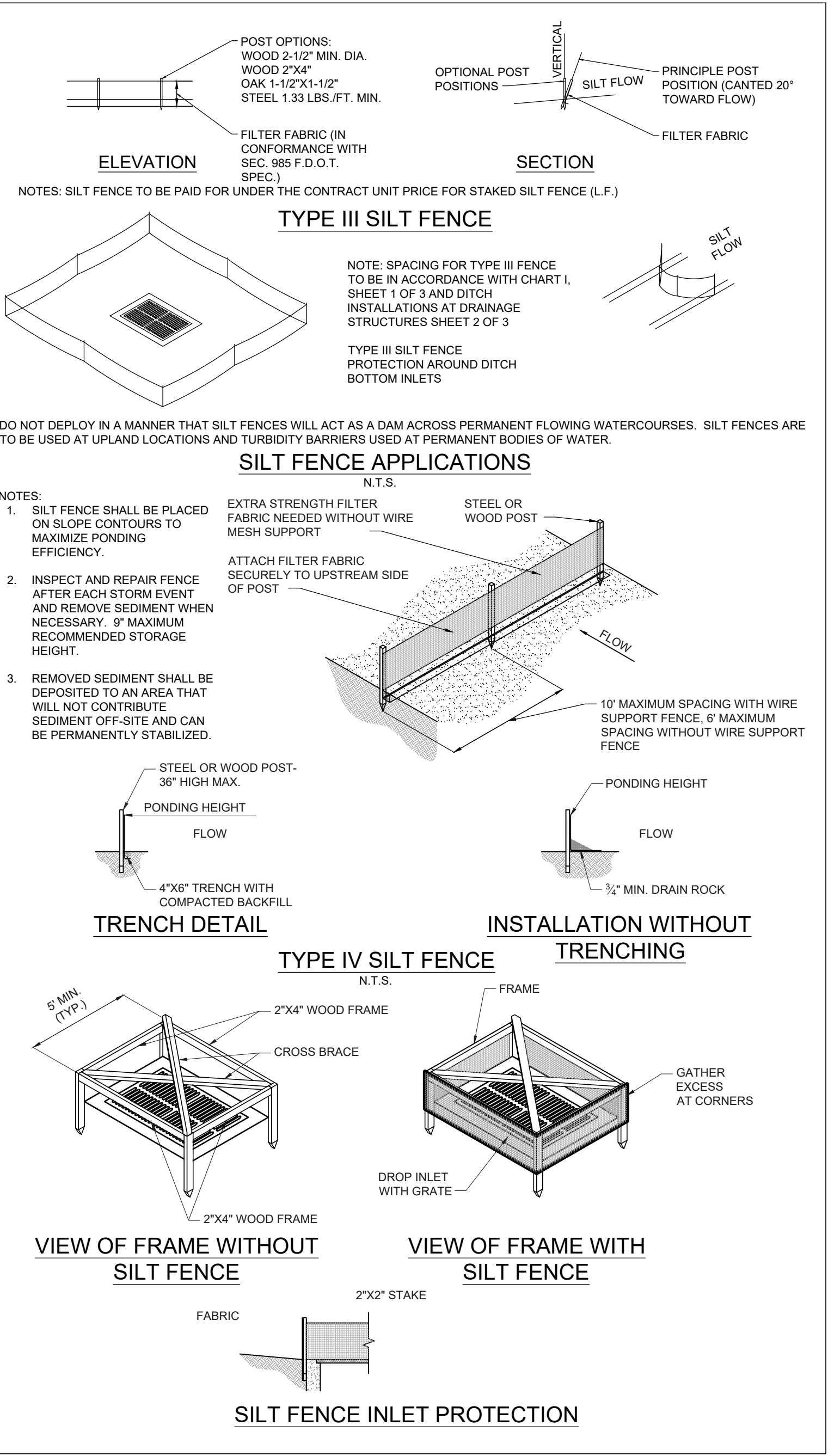
**EXISTING CONDITIONS, DEMOLITION AND EROSION CONTROL PLAN**

SCALE: 1" = 30'



**LEGEND**

- [Pattern] EXISTING CONCRETE
- [Pattern] EXISTING ASPHALT
- [Pattern] EXISTING CONCRETE TO BE DEMOLISHED
- [Pattern] EXISTING GRAVEL TO BE DEMOLISHED
- [Pattern] EXISTING ASPHALT MILLINGS TO BE DEMOLISHED
- [Pattern] EXISTING ASPHALT MILLINGS ROAD TO BE REMOVED AND REPLACED
- [Symbol] SILT FENCE
- [Symbol] TREE PROTECTION FENCE
- [Symbol] TREE TO BE REMOVED



NO.	REVISIONS	DATE
1		
2		
3		
4		
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6		

JOB NO.	DESIGNED	DRAWN	DATE	CHECKED	DATE	ISSUED
21-0328	RG	GWR	MARCH 2023	AIB	3/17/2023	

**MBV ENGINEERING, INC.**  
MOIA BOWLES VILLAMIZAR & ASSOCIATES  
CONSULTING ENGINEERING CA #2728  
1805 S. 20TH STREET  
P.O. BOX 644333  
MIAMI, FL 33164-4333  
TEL: (772) 784-8517

**EXISTING CONDITIONS, DEMOLITION AND EROSION CONTROL PLAN**

**BIBLE BAPTIST CHURCH SITE IMPROVEMENTS**

ARON J. BOWLES  
LICENSE  
No. 55313  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

ARON J. BOWLES  
FL. P.E. #55313 4/17/23

**C3**

21-0328

MBV ENGINEERING, INC. 1805 S. 20TH STREET, MIAMI, FL 33164-4333, TEL: (772) 784-8517, FAX: (772) 784-8517

72 HOURS BEFORE DIGGING  
CALL TOLL FREE  
**811**  
Know what's below.  
Call before you dig.

**PROJECT INFORMATION**

**SITE ADDRESS**  
4401 S 25TH STREET  
FORT PIERCE, FLORIDA 34981

**OWNER/APPLICANT**  
BIBLE BAPTIST CHURCH OF FP INC.  
4401 S 25TH STREET  
FORT PIERCE, FLORIDA 34981  
PHONE: (772) 461-6630

**ENGINEER**  
MBV ENGINEERING, INC.  
1835 20TH STREET  
VERO BEACH, FLORIDA 32960  
PHONE: (772) 569-0035

**SURVEYOR**  
SUBCON FIELD SERVICES, INC.  
2132 SE ELDER DRIVE  
STUART, FLORIDA 34984  
PHONE: (772) 360-5005

**TAX PARCEL I.D NUMBER(S)**  
2432-414-0020-000-0

**ZONING**  
R-1

**LAND USE**  
RL

**LATITUDE**  
27°23'06.70" N

**LONGITUDE**  
80°21'04.77" W

**PROJECT DESCRIPTION**  
THIS PROJECT PROPOSES TO ADD ADDITIONAL PARKING TO THE EXISTING CHURCH ALONG WITH LANDSCAPING AND STORMWATER IMPROVEMENTS.

**SITE DATA**

**EXISTING SITE DATA**

	SF	AC	%
SITE AREA	200,267 SF	4.60 AC	100%
IMPERVIOUS AREA	60,561 SF	1.39 AC	30.24%
EXISTING BUILDING	18,850 SF	0.38 AC	8.42%
EXISTING CONCRETE	12,744 SF	0.29 AC	6.36%
EXISTING PAVEMENT	30,962 SF	0.71 AC	15.46%
PERVIOUS AREA	139,706 SF	3.21 AC	69.76%

**PROPOSED SITE DATA**

	SF	AC	%
SITE AREA	200,267 SF	4.60 AC	100%
IMPERVIOUS AREA	78,297 SF	1.80 AC	39.10%
TOTAL BUILDING	18,850 SF	0.38 AC	8.42%
TOTAL CONCRETE	12,515 SF	0.29 AC	6.25%
TOTAL ASPHALT	39,878 SF	0.91 AC	19.81%
STABILIZED PARKING	9,251 SF	0.21 AC	4.62%
PERVIOUS AREA	121,970 SF	2.80 AC	60.90%
OPEN SPACE	121,970 SF	2.80 AC	60.90%

**NET NEW IMPERVIOUS**

+17,736 SF 0.41 AC

**ZONING DATA**

**CRITERIA**

CRITERIA	CODE	EXISTING	PROPOSED
LOT SIZE	12,000 SF	200,267 SF	200,267 SF
LOT WIDTH	75-FT	330-FT	330-FT
LOT DEPTH	110-FT	606-FT	606-FT
BUILDING SETBACKS			
FRONT	25-FT	71.4-FT	71.4-FT
SIDE	7-FT	25.6-FT	25.6-FT
REAR	20-FT	253.2-FT	253-FT
BUILDING COVERAGE	25% MAX	8.42%	8.42%
OPEN SPACE	20% MIN	70%	60.90%
BUILDING HEIGHT	25-FT MAX	-	28-FT MAX
<b>PARKING DATA</b>			
CHURCHES			
1 SP/	3 SEATS x 240 SEATS =	80	SPACES REQUIRED
		80	SPACES PROVIDED
		48	UNPAVED SPACES
		32	PAVED SPACES
		6	ADA SPACES
		74	STANDARD SPACES

**DRAINAGE STATEMENT**

STORMWATER TO BE COLLECTED VIA CONVENTIONAL DRAINAGE TRACT AND TREATED IN ON-SITE DRY RETENTION AREA. STORMWATER WILL CONTINUE TO DISCHARGE INTO THE EXISTING STORMWATER TRACT EAST OF THE PROPERTY.

**PERMITS REQUIRED**

CITY OF FORT PIERCE MINOR SITE PLAN APPROVAL  
CITY OF FORT PIERCE TREE REMOVAL PERMIT  
ST. LUCIE COUNTY SITE DEVELOPMENT PERMIT  
SFWMD ENVIRONMENTAL RESOURCES PERMIT  
FDEP NPDES NOI PERMIT

**FLOOD ZONE**

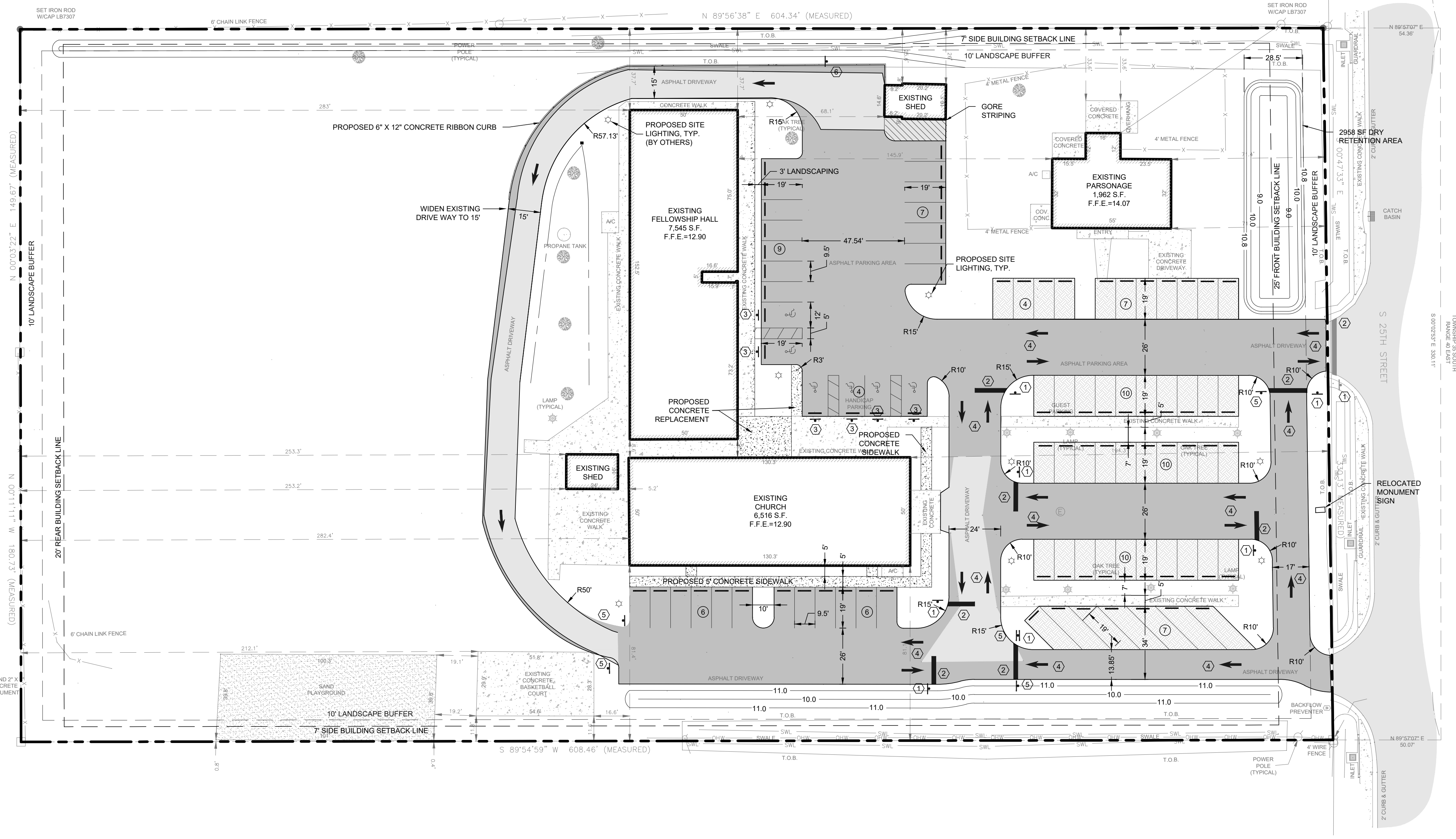
THE SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE "X", PER FLOOD INSURANCE RATE MAP NUMBER 12111C0188K, DATED FEB 19, 2020.

**LEGAL DESCRIPTION**

32.35 40 S 150 FT OF SE 1/4 OF NE 1/4 OF SE 1/4-LESS E 40 FT FOR RD R/W- AND N 1/2 OF NE 1/4 OF SE 1/4 OF SE 1/4-LESS S 150 FT AND LESS E 40 FT FOR RD R/W AND LESS FROM SE COR OF SEC RUN S 89 DEG 53 MIN 19 SEC W ALG S SEC 14 40 FT TO INT WITH WLY R/W 25 ST, TH N 00 DEG 03 MIN 12 SEC W ALG WLY R/W 1140 52 FT TO POB, TH CONT ALG SD R/W N 00 DEG 03 MIN 12 SEC W 330.17 FT, TH S 89 DEG 58 MIN 48 SEC W 14.60 FT, TH S 00 DEG 39 MIN 35 SEC E 330.20 FT, TH N 89 DEG 57 MIN 25 SEC E 11.10 FT TO POB (4.60 AC) (OR 286-738, 846-2142, 2143)

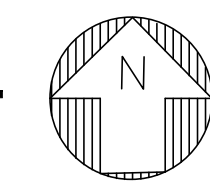
**CONSTRUCTION SCHEDULE**

START: JULY 2023  
FINISH: SEPTEMBER 2023



**SITE PLAN**

SCALE: 1" = 30'



**GRAPHIC SCALE**

(IN FEET)  
1 inch = 30 ft.

**SIGNAGE & PAVEMENT MARKING SCHEDULE**

SIGN ID NUMBER	SIZE	DESIGNATION / NOTES
①	30"	R1-1 "STOP" SIGN
②	24"	SOLID WHITE STOP BAR
③	12"	FTP-20-06 HC PARKING SIGN, SEE DETAIL SHEET C6
④		PAVEMENT MARKINGS PER FDOT INDEX #711-001
⑤		RS-1 "DO NOT ENTER" SIGN
⑥		R6-1 "ONE WAY" SIGN

**LEGEND**

	EXISTING CONCRETE
	EXISTING ASPHALT
	PROPOSED ASPHALT
	PROPOSED CONCRETE
	PROPOSED STABILIZED GRASS PARKING

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		
6		

21-0226	RG	GWR	MARCH 2023	AIB	3/17/2023
DESIGNED					
DRAWN					
CHECKED					
DATE ISSUED					

**MBV ENGINEERING, INC.**  
MOIA BOWLES VILLAMIZAR & ASSOCIATES  
CONSULTING ENGINEERING CA #3728

1835 20TH STREET  
VERO BEACH, FLORIDA 32960  
PHONE: (772) 569-0035

**SITE PLAN**

**BIBLE BAPTIST CHURCH SITE IMPROVEMENTS**

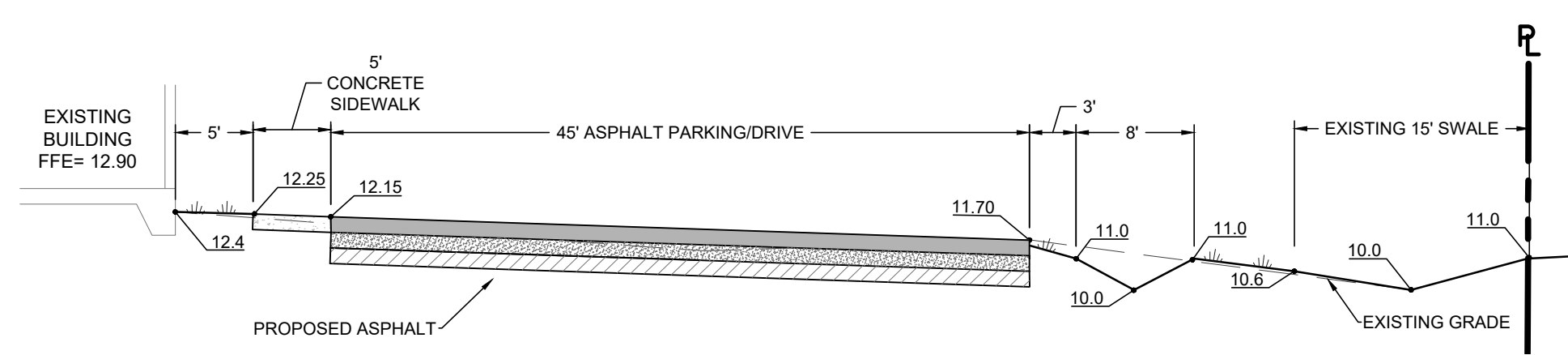
ARON J. BOWLES  
LICENSE  
No. 55313  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

ARON J. BOWLES  
FL. P.E. #55313 4/17/23

**C4**

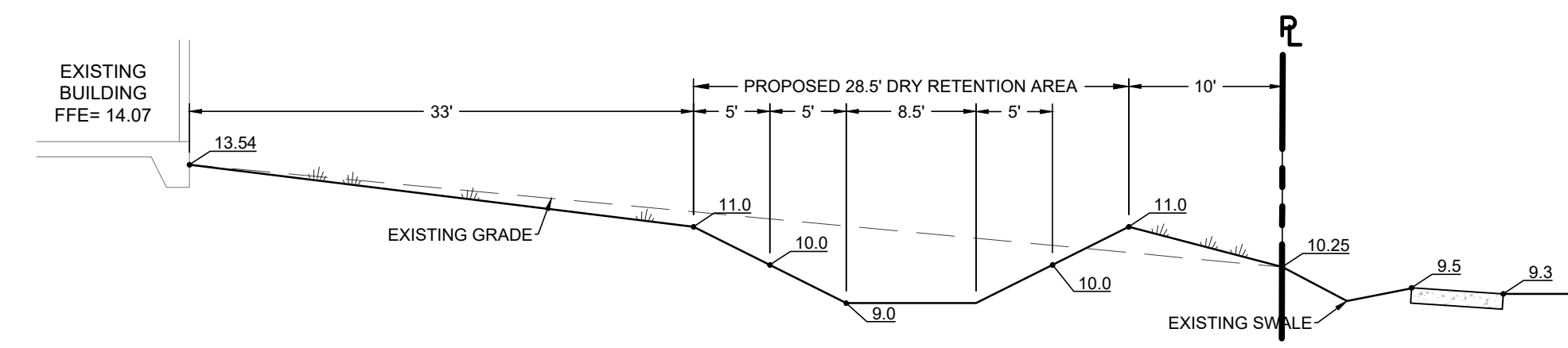


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 User: jbowles



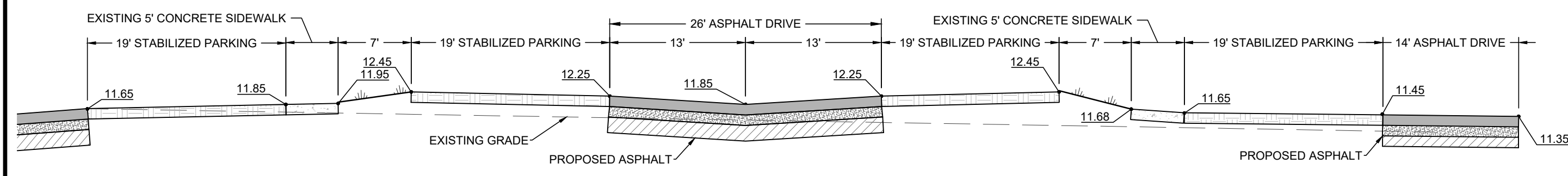
**SECTION A-A**

SCALE: N.T.S.



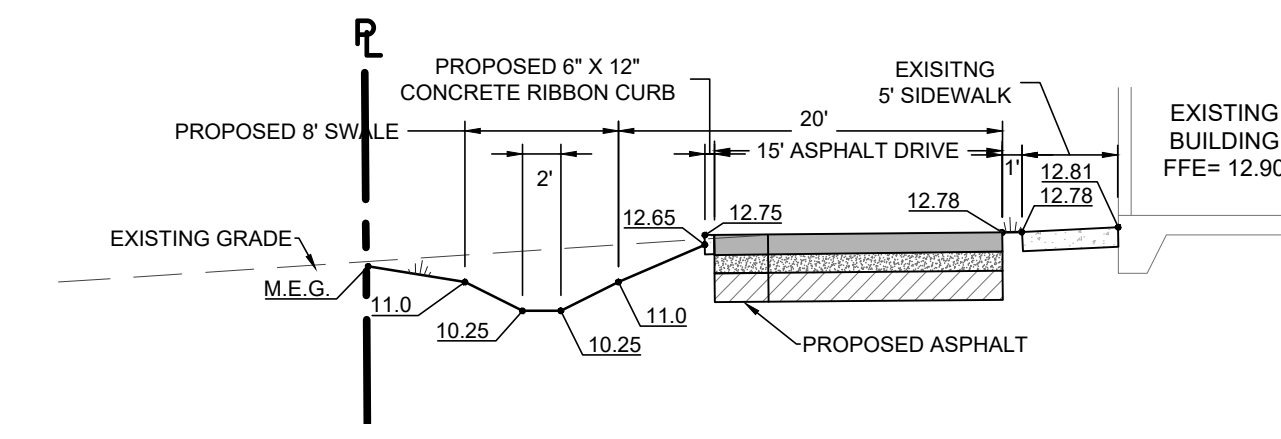
**SECTION C-C**

SCALE: N.T.S.



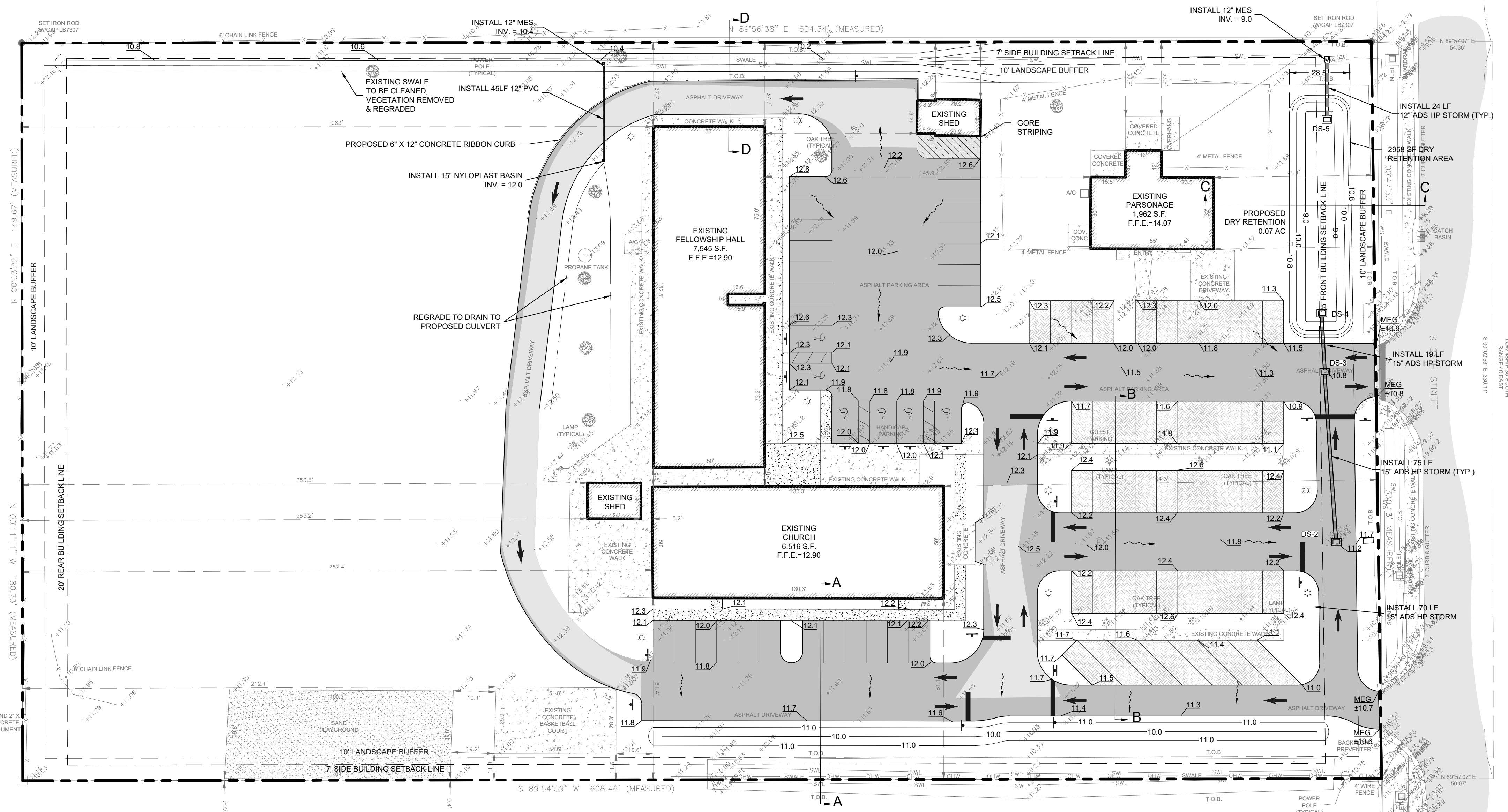
**SECTION B-B**

SCALE: N.T.S.



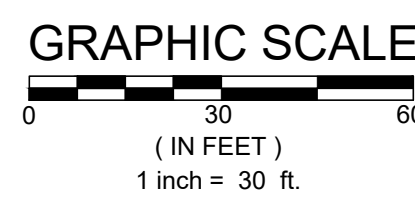
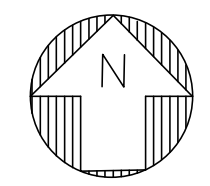
**SECTION D-D**

SCALE: N.T.S.



**PAVING, GRADING AND DRAINAGE PLAN**

SCALE: 1" = 30'



**LEGEND**

- EXISTING CONCRETE
- EXISTING ASPHALT
- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED STABILIZED GRASS PARKING
- EXISTING ELEVATION
- PROPOSED ELEVATION
- DRAINAGE FLOW ARROW

DRAINAGE STRUCTURE SCHEDULE	STRUCTURE NUMBER	DS-2	DS-3	DS-4	DS-5
		FOOT INDEX #	# 425-053	# 425-053	# 425-053
INVERT ELEVATION	DESCRIPTION	TYPE "F" DITCH BOTTOM INLET	TYPE "F" DITCH BOTTOM INLET	TYPE "C" DITCH BOTTOM INLET	TYPE "C" DITCH BOTTOM INLET
	RIM ELEV.	11.20'	10.80'	9.00'	10.50'
	PIPE DIA.	15.00"	15.00"	15.00"	12.00"
	COVER	3.55'	3.35'	1.65'	0.30'
	N	6.40 N	6.20 N	-	9.20 N
S	6.40 S	6.20 S	6.10 S	-	
E	-	-	-	-	
W	-	-	-	-	
BOTTOM ELEV.		5.90'	5.70'	5.60'	8.70'



NO.	REVISIONS	DATE
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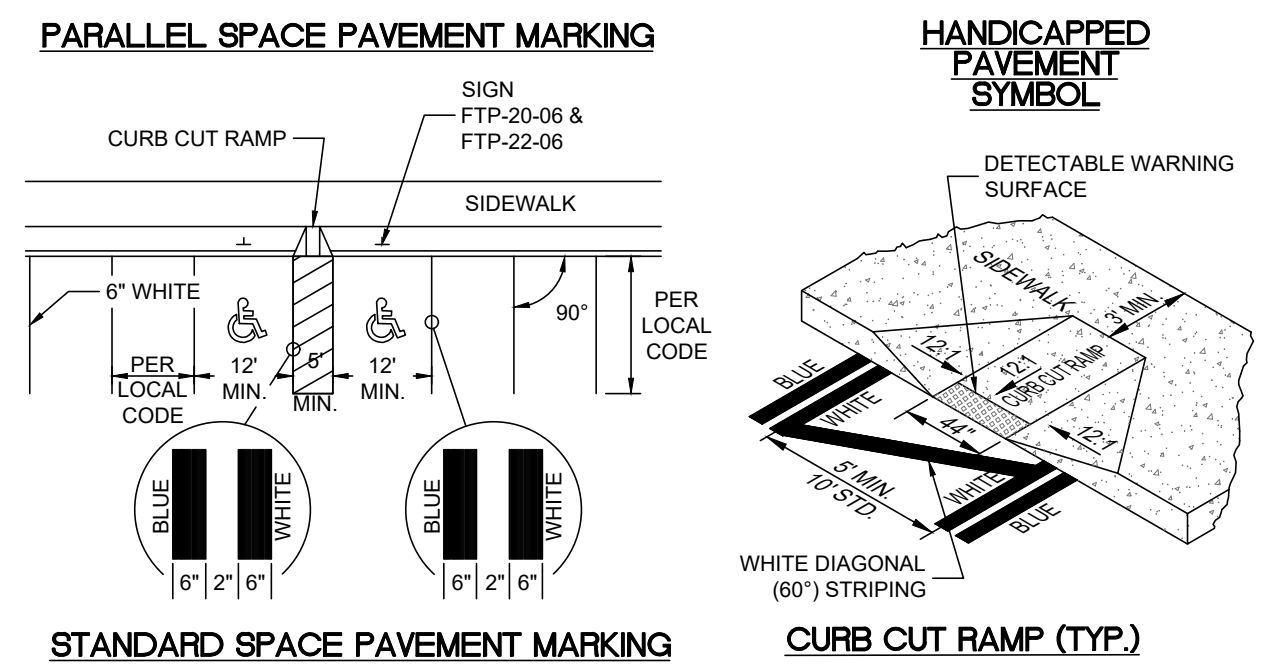
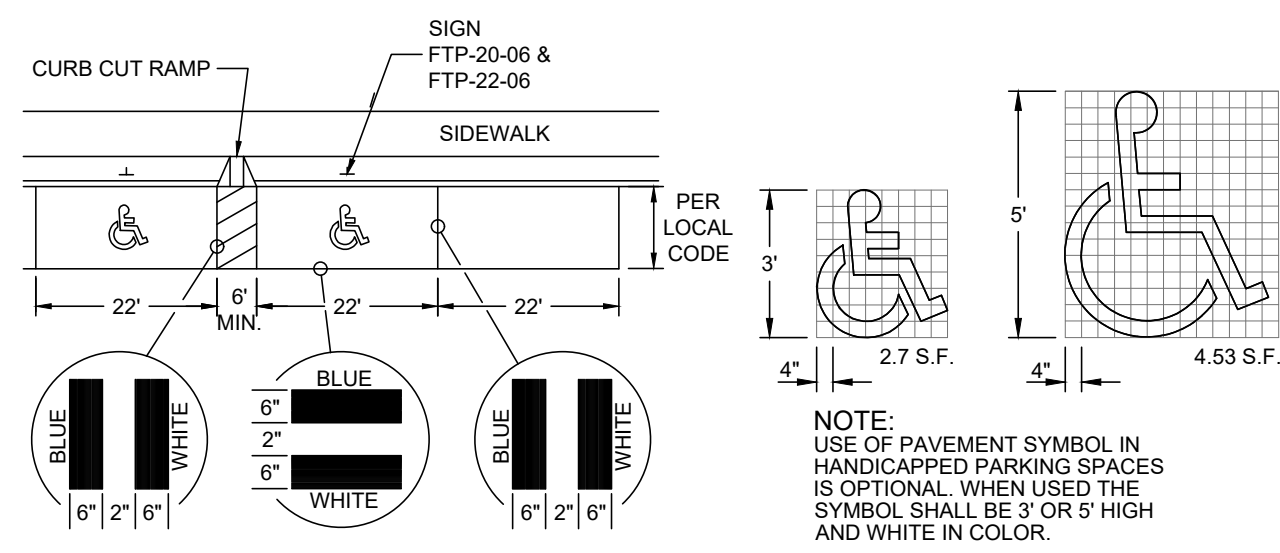
JOB NO.	21-0328
DESIGNED	RG
DRAWN	GWR
DATE	MARCH 2023
CHECKED	AIB
DATE ISSUED	3/17/2023

**MBV ENGINEERING, INC.**  
 MOIA BOWLES VILLAMIZAR & ASSOCIATES  
 CONSULTING ENGINEERING CA #3728  
 1845 SOUTH STREET  
 FT. PIERCE, FL 34939  
 TEL: (888) 888-8888  
 FAX: (888) 888-8888

**PAVING, GRADING AND DRAINAGE PLAN**

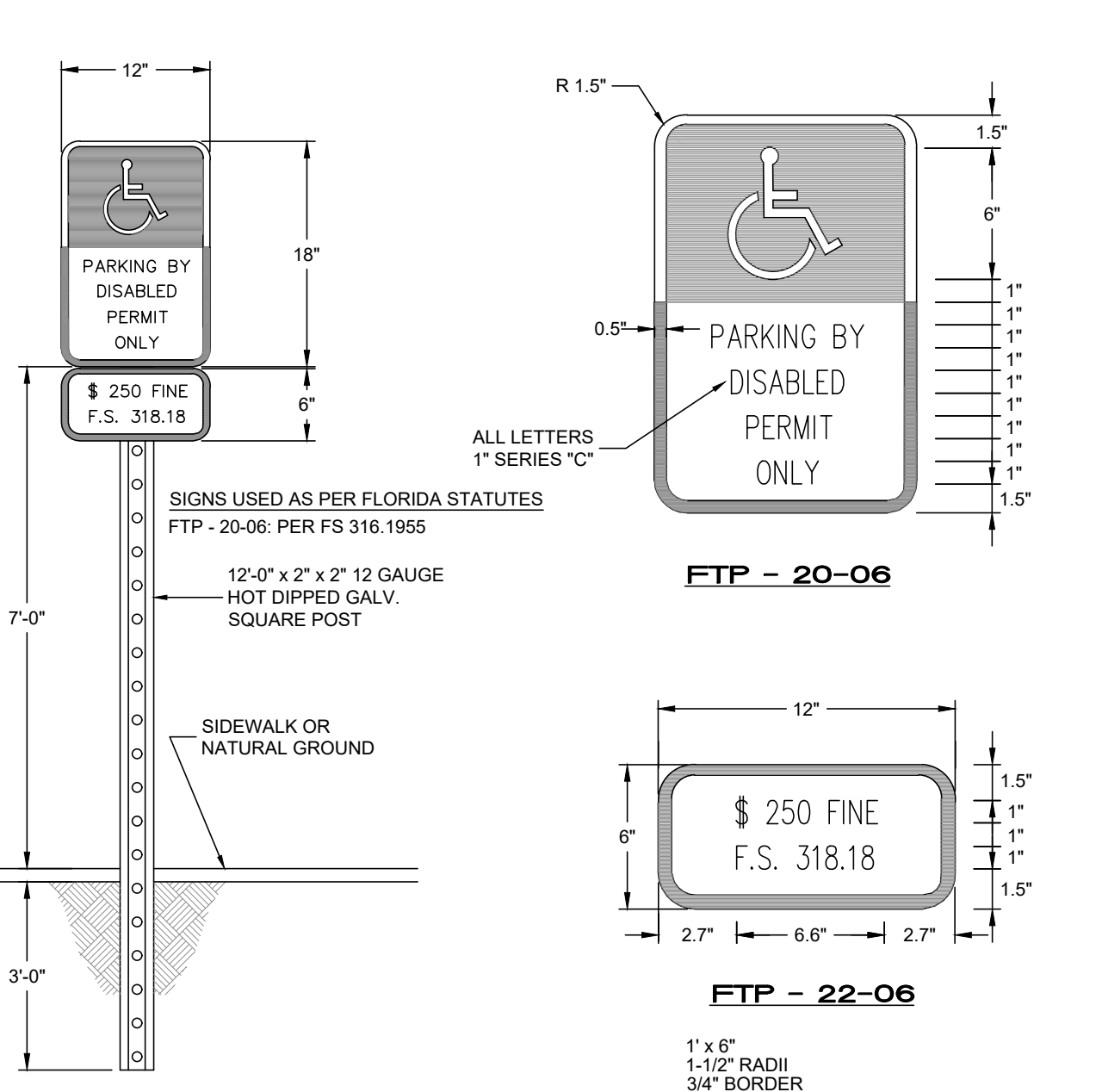
**BIBLE BAPTIST CHURCH SITE IMPROVEMENTS**

AARON J. BOWLES  
 LICENSE No. 55313  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER



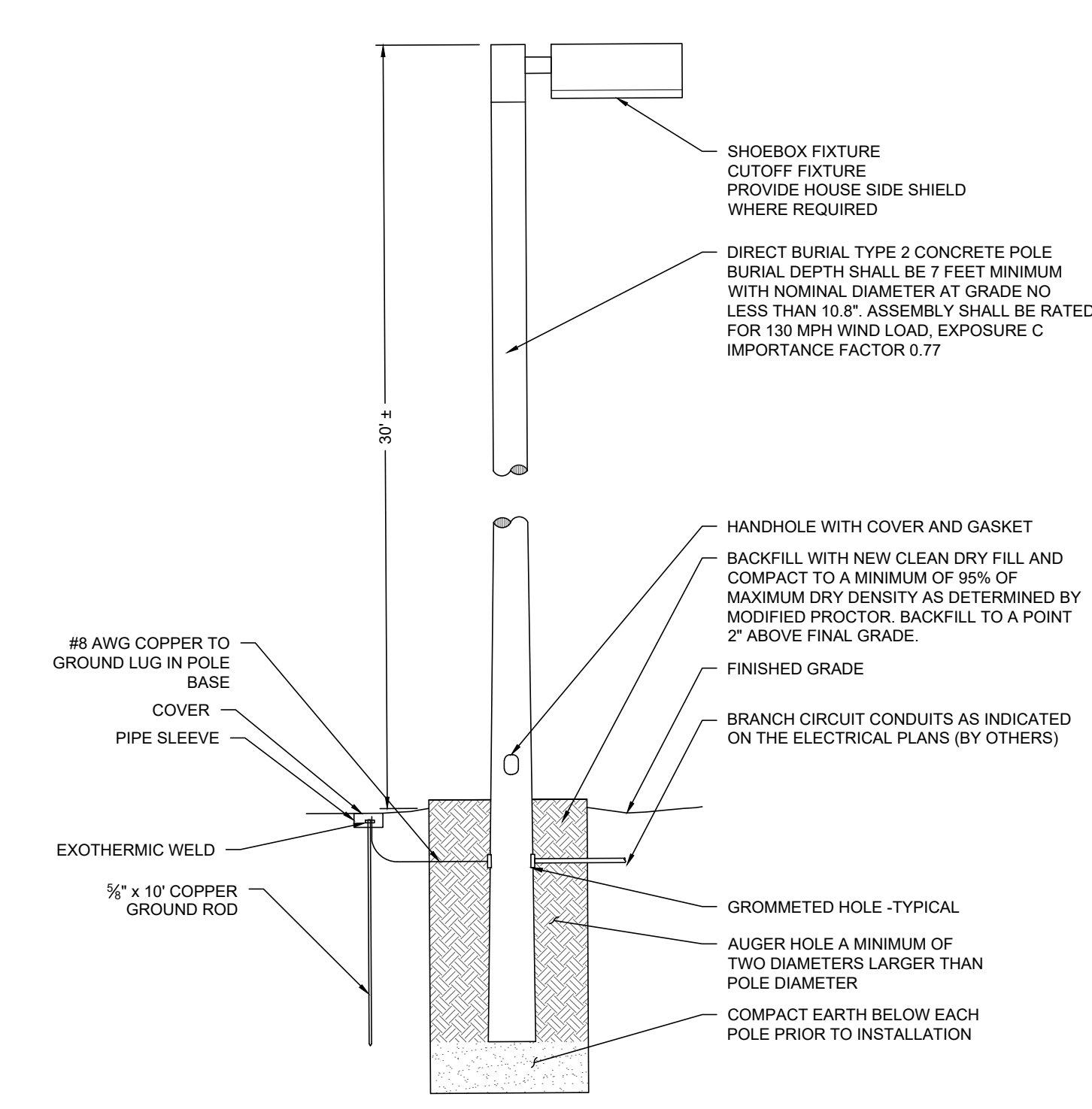
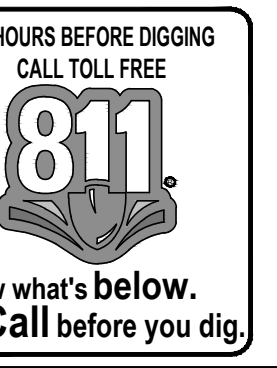
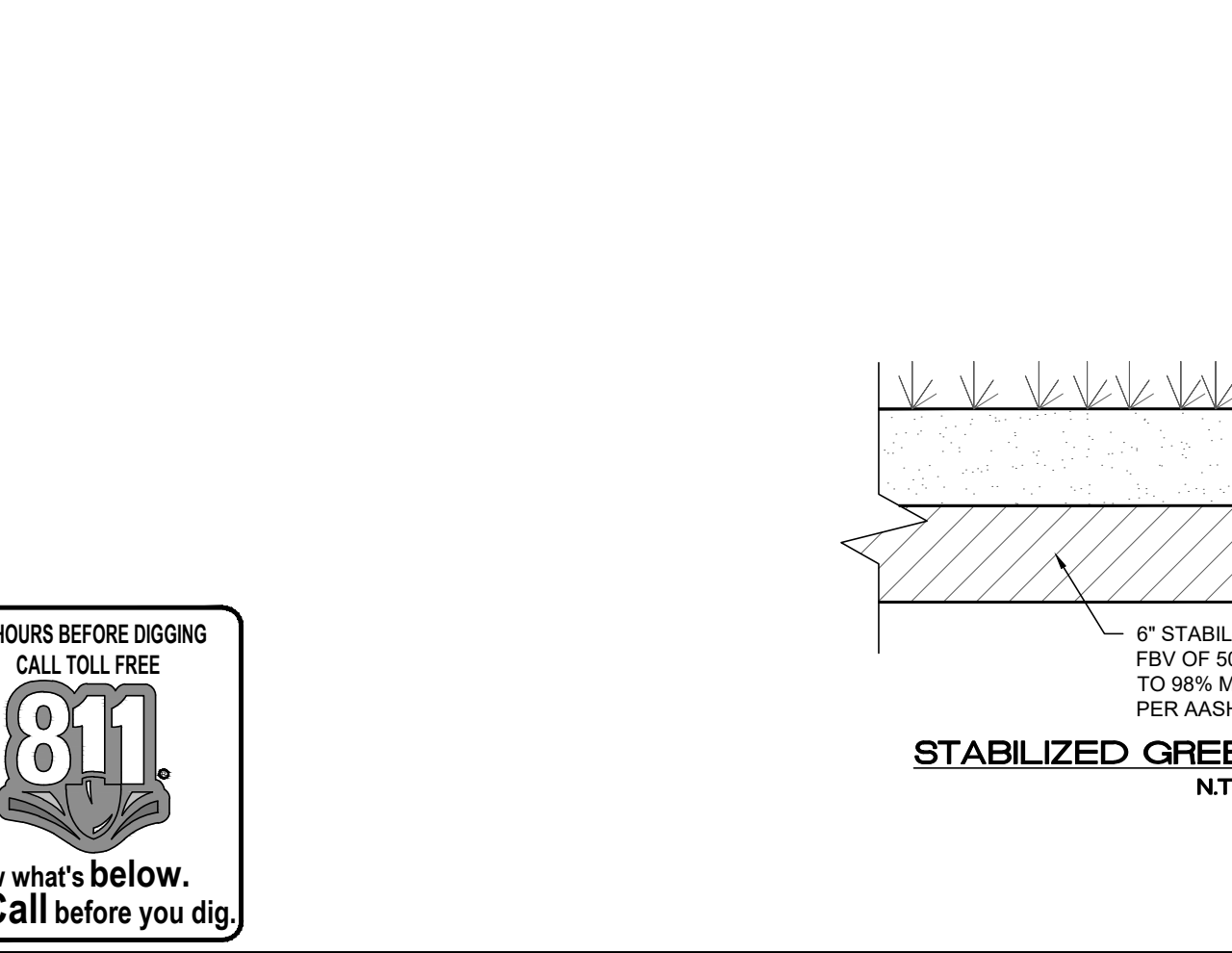
- GENERAL NOTES**
- CRITERIA FOR PAVEMENT MARKING ONLY, NOT CURB CUT RAMP LOCATIONS. FOR RAMP CRITERIA REFER TO FDOT STANDARD DESIGN INDEX #304, LATEST EDITION.
  - BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARD 595a.
  - CURB AND WHEELSTOP LOCATIONS SHALL BE AS PER DEPICTED ON THE PLANS.
  - FOR ANGLED PARKING APPLICATIONS, REFER TO FDOT STANDARD DESIGN INDEX #17346, LATEST EDITION.
  - PARKING STALL WIDTHS SHALL BE DIMENSIONED FROM CENTERLINE TO CENTERLINE OF THE WHITE STRIPES.

**HANDICAPPED RAMP AND PAVEMENT MARKING DETAIL**  
N.T.S.



- GENERAL NOTES**
- TOP PORTION OF FTP-20-06 SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.
  - BOTTOM PORTION OF FTP-20-06 SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
  - THE SIGN SHALL BE PLACED A MINIMUM OF 3' FROM THE WHEEL STOP OR THE BACK OF CURB (WHERE APPLICABLE).

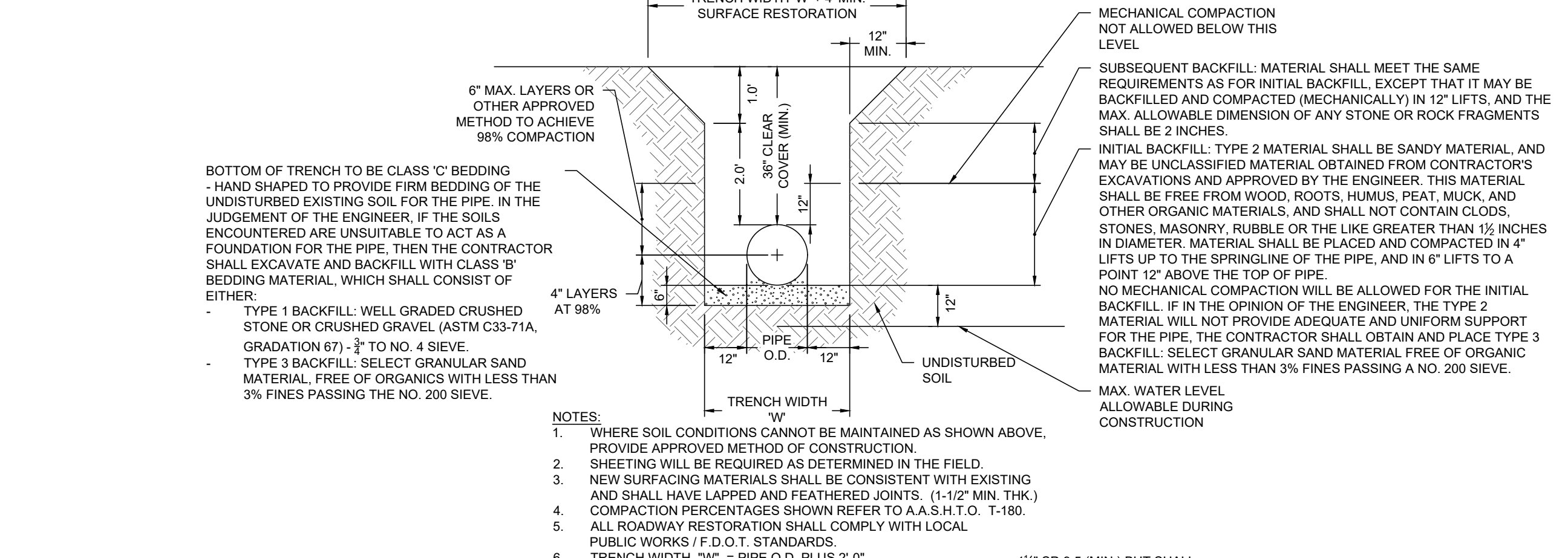
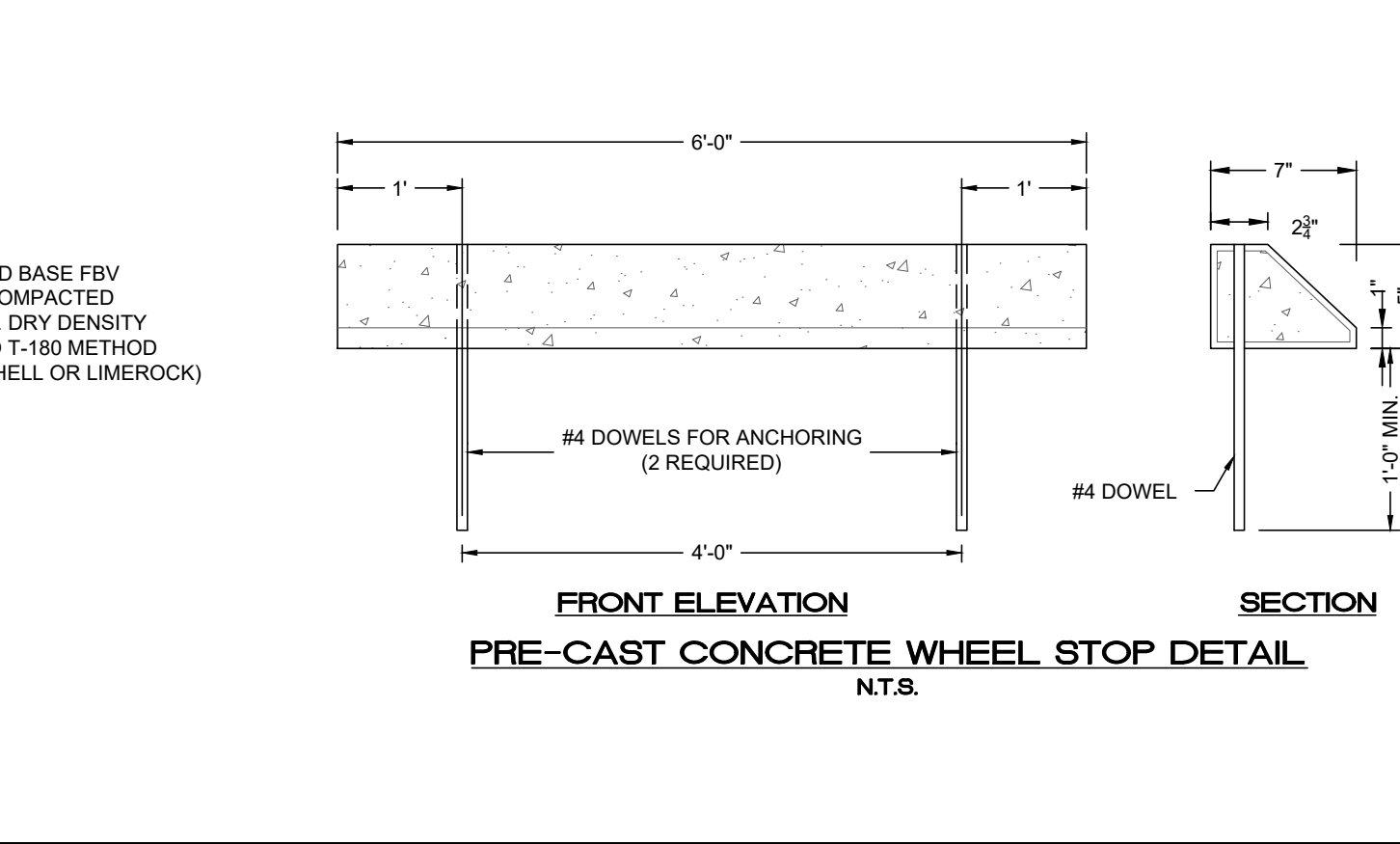
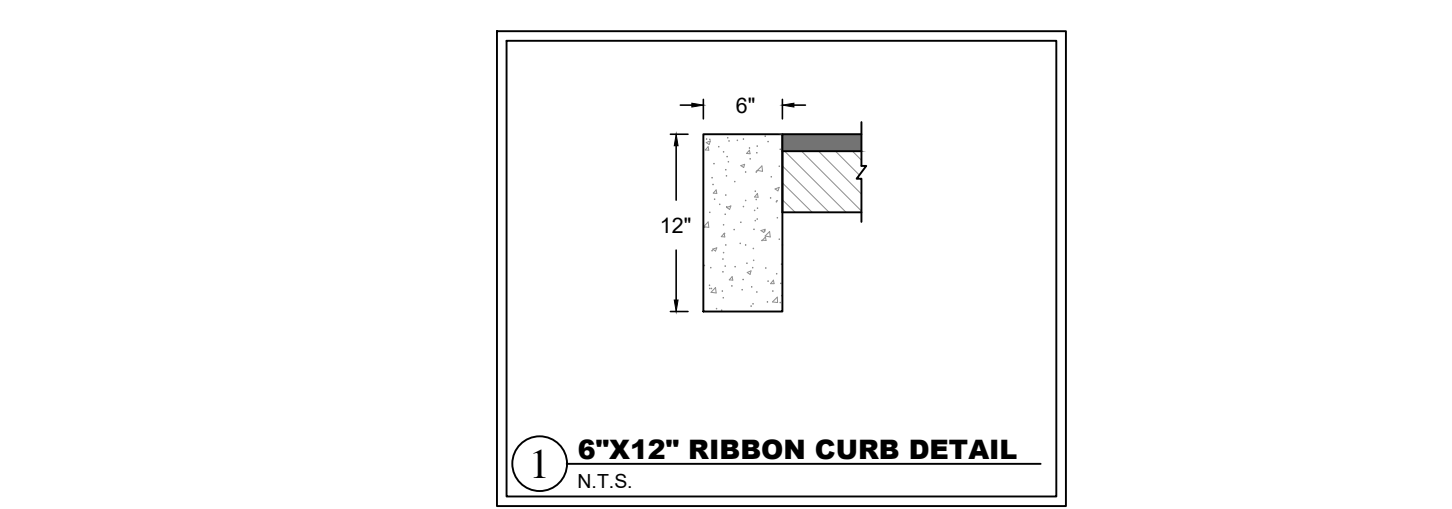
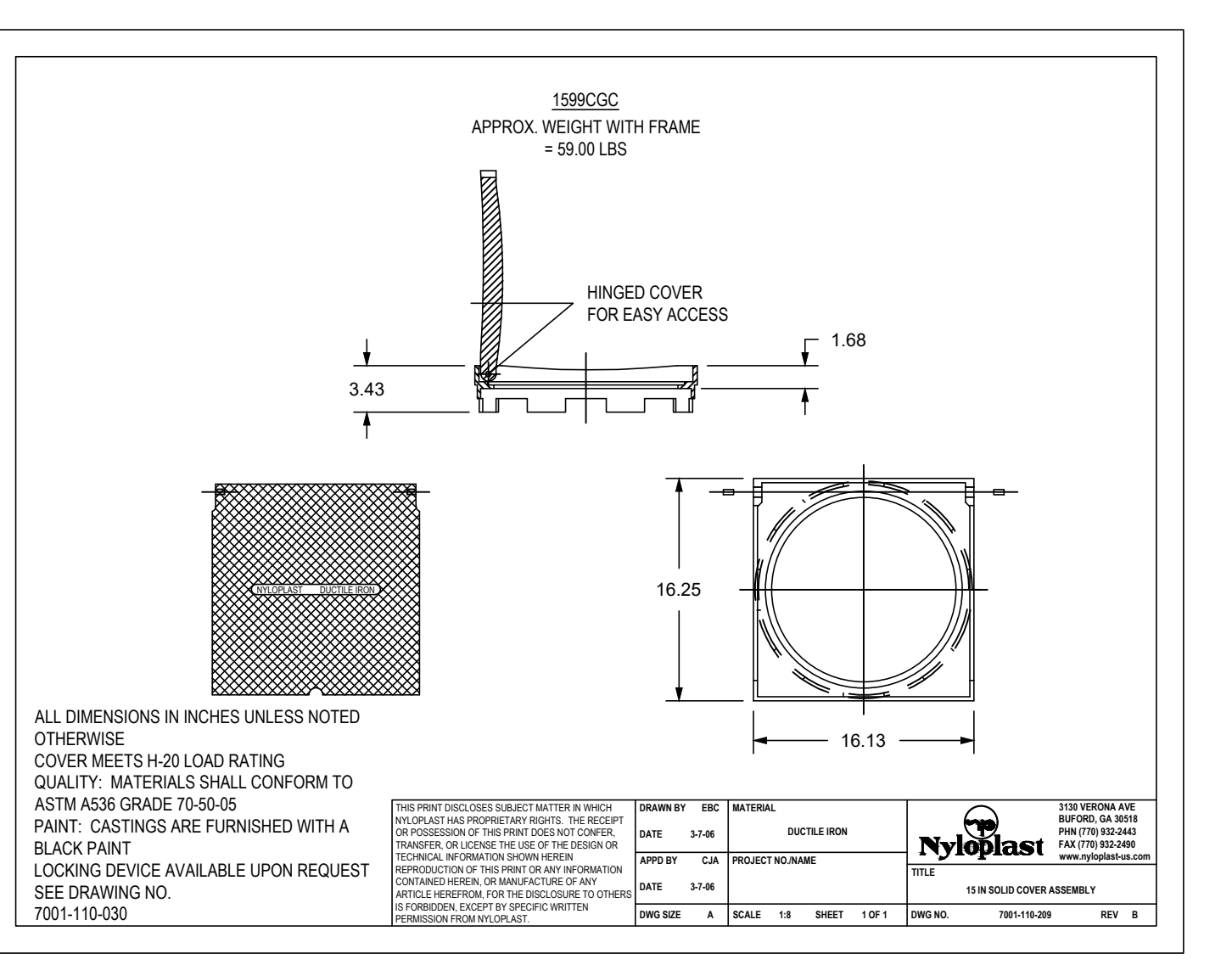
**HANDICAPPED SIGN DETAIL**  
N.T.S.



**GENERAL DESCRIPTION**  
DIRECT BURIAL TYPE 2 CONCRETE POLE WITH HANDHOLE COVER.

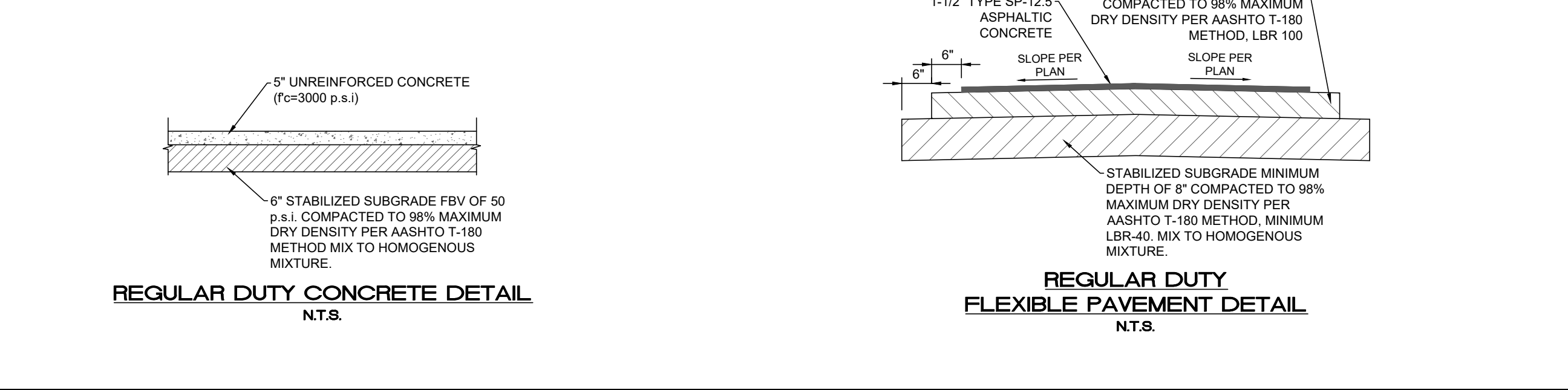
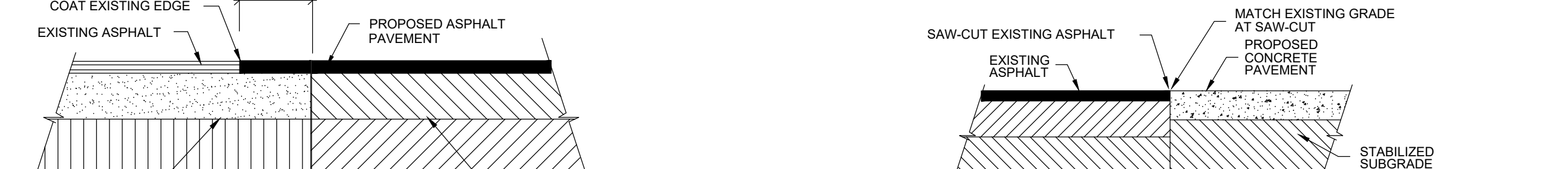
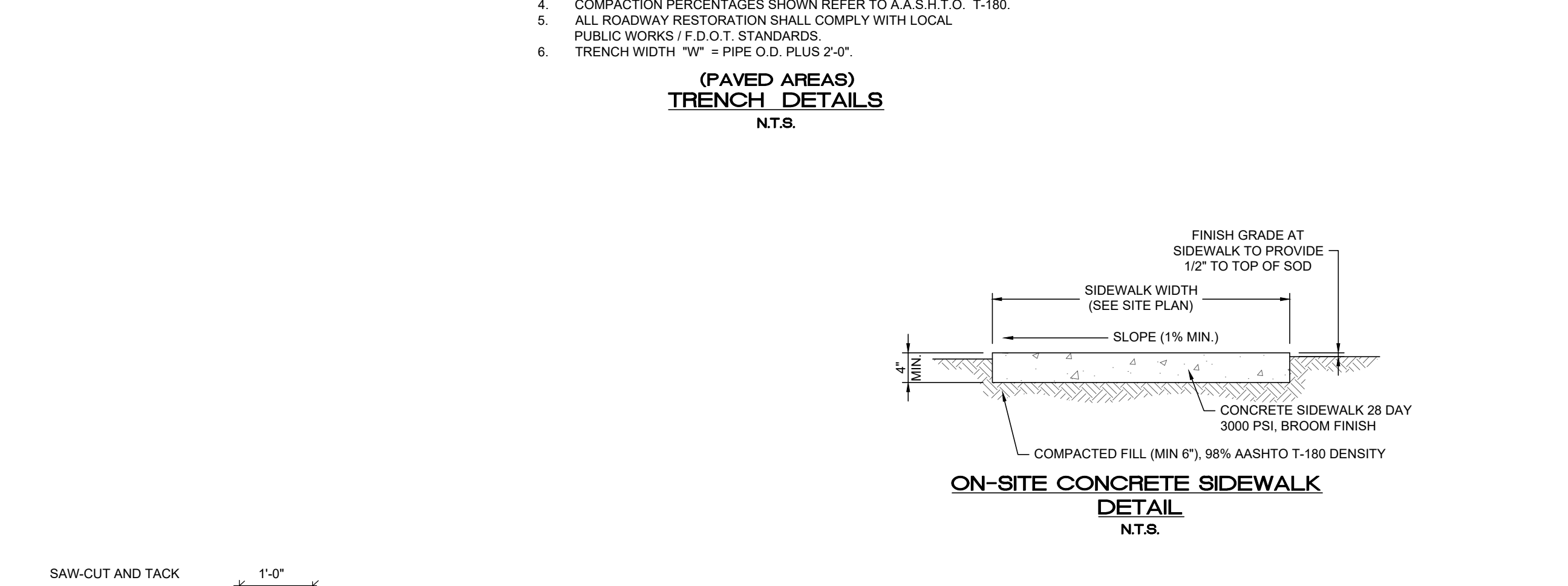
**ELECTRICAL**  
INTERNAL MOUNTING STUD SHALL BE PROVIDED FOR GROUND CONNECTION PROVIDE #8AWG FROM HANDHOLE TO LUMINAIRE.

**LIGHT POLE DETAIL**  
N.T.S.



- NOTES:**
- WHERE SOIL CONDITIONS CANNOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED METHOD OF CONSTRUCTION.
  - SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD.
  - NEW SURFACING MATERIALS SHALL BE CONSISTENT WITH EXISTING AND SHALL HAVE LAPPED AND FEATHERED JOINTS. (1-1/2" MIN. THK.)
  - COMPACTION PERCENTAGES SHOWN REFER TO A.A.S.H.T.O. T-180.
  - ALL ROADWAY RESTORATION SHALL COMPLY WITH LOCAL PUBLIC WORKS / F.D.O.T. STANDARDS.
  - TRENCH WIDTH "W" = PIPE O.D. PLUS 2'-0".

**(UNPAVED AREAS) TRENCH DETAILS**  
N.T.S.



NO.	REVISIONS	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

JOB NO.	DESIGNED	DRAWN	DATE	CHECKED	DATE ISSUED
21-0328	RG	GWR	MARCH 2023	AJB	3/17/2023

**MBV ENGINEERING, INC.**  
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FL PRFCE 16-1779-040-0001

**BIBLE BAPTIST CHURCH**  
SITE IMPROVEMENTS

FLORIDA

CITY OF FORT PIERCE

**ARON J. BOWLES**  
LICENSE  
No. 55313  
STATE OF FLORIDA  
PROFESSIONAL ENG'G

ARON J. BOWLES  
FL. P.E. #55313  
4/17/23

**C6**

21-0328