

| AGENCY | PERMIT # | SUBMITTED | STATUS |
|---------------|------------------|------------|--------|
| SUMTER COUNTY | SD25-000054 | 12/12/2025 | |
| SWFWMD | APP#931750 | 12/12/2025 | |
| FDEP NPDES | | | |
| FDEP WATER | | | |
| FDEP SEWER | | | |
| FDOT DRAINAGE | 2025-D-592-00078 | 12/17/2025 | |
| FDOT WATER | 2026-H-592-00035 | 12/17/2025 | |
| FDOT SEWER | 2026-H-592-00036 | 12/17/2025 | |

| DATE | REVISIONS | BY |
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PERMIT NOTES:

1. FDOT UTILITY PERMIT 2026-H-592-00035 (WATER LINE CONNECTION) - CONNECT PROPOSED 6" WATER LINE TO EXISTING 10" WATER LINE ON THE WEST SIDE OF SR 471; INCLUDES DIRECTIONAL DRILL UNDER SR 471
2. FDOT UTILITY PERMIT 2026-H-592-0036 (WASTEWATER CONNECTION) - CONNECT PROPOSED 2" SANITARY FORCE MAIN TO EXISTING 8" SANITARY FORCE MAIN ON THE EAST SIDE OF SR 471.
3. FDOT PERMIT 2026-H-592-00035 AND 2026-H-592-00036 ARE RELATED AND REQUIRED TO PROVIDE WATER AND WASTEWATER SERVICES TO THE NEW BUSHNELL TRUSS - WEBSTER PLANT BUILDING.

IMPROVEMENT PLANS OF BUSHNELL TRUSS - WEBSTER PLANT

LEGAL DESCRIPTION

PARCEL 1:

THE NORTHERLY 1037.40 FEET OF THE FOLLOWING DESCRIBED PARCEL OF LAND: THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 19, TOWNSHIP 21 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA. LESS ROAD RIGHT OF WAY; AND LESS THE NORTH 300 FEET OF THE WEST 300 FEET OF THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4; AND LESS THE EAST 417.42 FEET OF THE WEST 989.17 FEET OF THE SOUTH 233.71 FEET OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4; AND LESS THE SOUTH 350.00 OF THE NORTH 827.40 FEET OF THE WEST 672.76 FEET OF THE SOUTH 3/4 OF THE WEST 1/2 OF THE SOUTHWEST 1/4; AND LESS THE SOUTH 177.40 FEET OF THE NORTH 477.40 FEET OF THE WEST 300 FEET OF THE SOUTH 3/4 OF THE WEST 1/2 OF THE SOUTHWEST 1/4; AND LESS THE EAST 90 FEET OF WEST 390 FEET OF THE NORTH 477.40 FEET OF THE SOUTH 3/4 OF THE WEST 1/2 OF THE SOUTHWEST 1/4; AND LESS THE NORTH 477.40 FEET OF THE EAST 282.78 FEET OF THE WEST 672.78 FEET OF THE SOUTH 3/4 OF THE WEST 1/2 OF THE SOUTHWEST 1/4; AND LESS ANY PORTION THEREOF CONTAINED IN LIMITED LIABILITY COMPANY WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 4458, PAGE 553, LIMITED LIABILITY COMPANY WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 4458, PAGE 555, LIMITED LIABILITY COMPANY WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 4458, PAGE 557, AND LIMITED LIABILITY COMPANY WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 4458, PAGE 559, PUBLIC RECORDS OF SUMTER COUNTY, FLORIDA.

PARCEL 2:

THE EASTERLY 125.00 FEET OF THE FOLLOWING DESCRIBED LANDS: THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 19, TOWNSHIP 21 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA, LESS THE NORTHERLY 1037.40 FEET THEREOF; ALSO LESS ROAD RIGHT OF WAY.

DESCRIPTION:

THE SOUTH 210.00 FEET OF THE NORTH 1037.40 FEET OF THE WEST 672.76 FEET OF THE SOUTH 3/4 OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SECTION 19, TOWNSHIP 21 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA, LESS THE WEST 50.00 FEET FOR RIGHT OF WAY OF STATE ROAD 471.

NOTE:

THE LEGAL DESCRIPTION PROVIDED HEREON IS FOR PERMITTING AND/OR CONSTRUCTION PURPOSES ONLY AND SHOULD NOT BE USED FOR TRANSFER OF RIGHT, TITLE OR INTEREST.

CABLE/FIBER
CHARTER COMMUNICATIONS
c/o DUFFY MCCLELLAND
5833 SEVEN MILE DRIVE, STE 102
WILDWOOD, FL 34785
(352) 527-2189

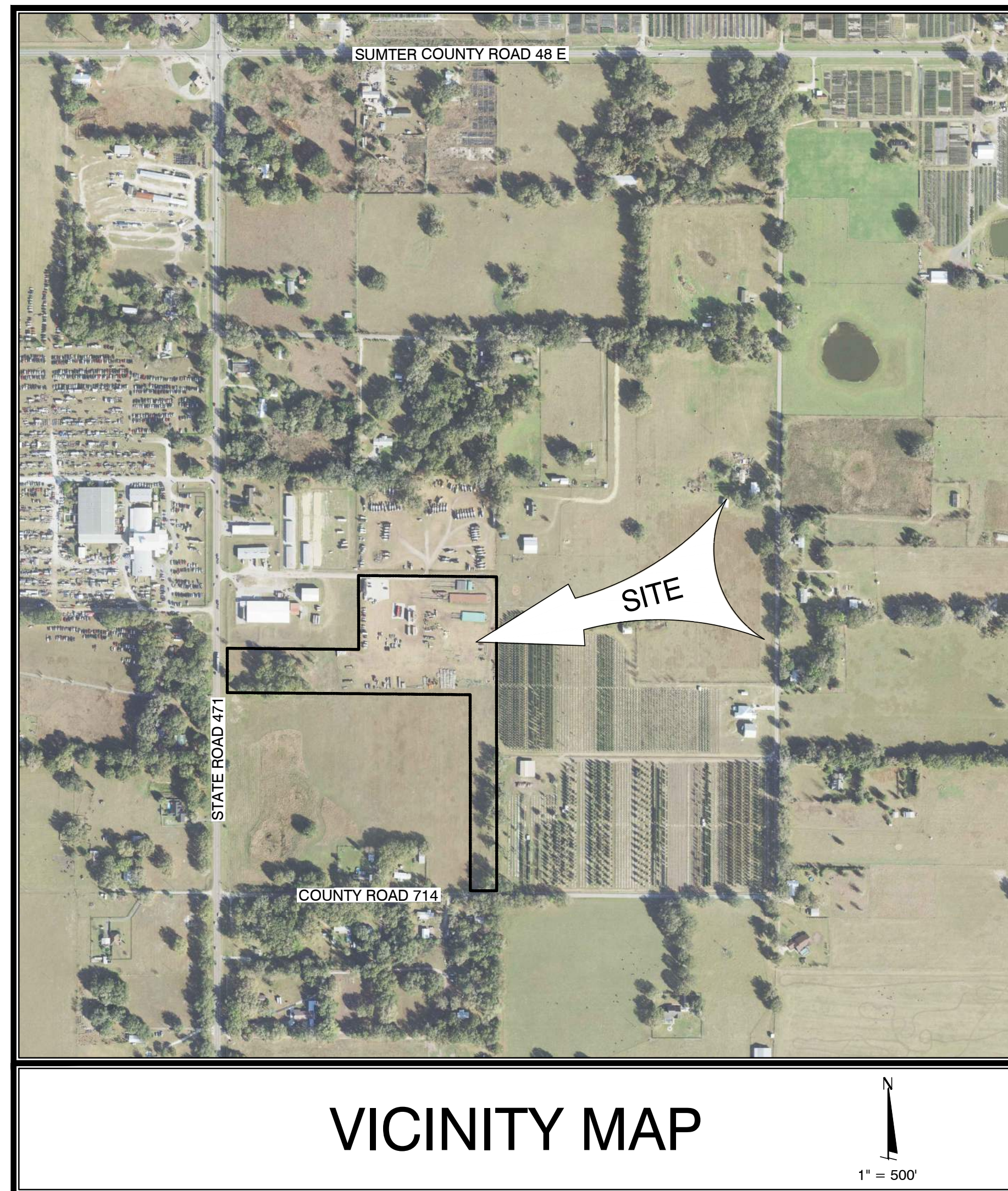
FIBER/TELEPHONE
CENTURYLINK
c/o BILL MCCLLOUD
425 N 3RD STREET
LEESBURG, FL 34748
(850) 815-3144

STORMWATER/WATER
CITY OF WEBSTER
c/o MARK CHESSER
85 E CENTRAL AVENUE
WEBSTER, LA 71203
(352) 524-0850

ELECTRIC
DUKE ENERGY - OCALA
c/o DUKE'S CUSTOMER SERVICE CENTER
4359 SE MARICAMP ROAD
OCALA, FL 34480
(407) 629-1010

FIBER
LUMEN
c/o LUMEN CENTURYLINK
100 CENTURYLINK DRIVE
MONROE, LA 71203
(877) 366-8344 x2

ELECTRIC
SUMTER ELECTRIC COOPERATIVE, INC.
c/o HILLARY BREWER
5879 SW 17TH STREET
BUSHNELL, FL 33513
(352) 770-7326



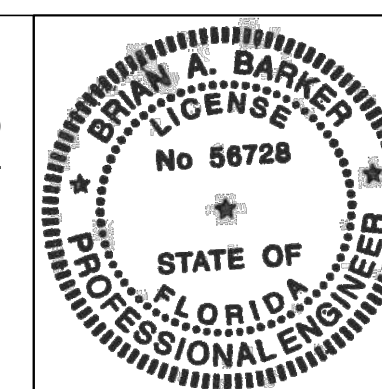
SECTION 19; TOWNSHIP 21 SOUTH; RANGE 23 EAST
SUMTER COUNTY, FLORIDA
VERTICAL DATUM - NAVD 1988

OWNER/DEVELOPER
BUSHNELL TRUSS ENTERPRISES, LLC
ZACHARY KEEN
PO BOX 936
BUSHNELL, FL 33513
ZKEEN@YAHOO.COM
(352) 303-4267

ENGINEER
CLYMER FARNER BARLEY, Inc.
314 S. MISSOURI AVE, SUITE 101
CLEARWATER, FL 33756
BRIAN A. BARKER, PE
FL. LIC. NO. 56728
(727) 519-1030

SURVEYOR
CLYMER FARNER BARLEY SURVEYING, LLC
7413 ALFORD AVE.
MIDDLETON, FL 34762
DAVID R. SHAW, PSM
FL. REG. NO. 7119
(352) 748-3126

THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY **BRIAN A. BARKER, P.E.**
ON THE DATE ADJACENT TO THE SEAL.



SHEET INDEX

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GENERAL NOTES:

- 1. THESE GENERAL NOTES APPLY TO ALL WORK IN THIS SET OF DRAWINGS
2. THE APPLICANT (BUSHNELL TRUSS ENTERPRISES, LLC) WILL OWN AND MAINTAIN THE IMPROVEMENTS ON SAID PARCEL PER LEGAL DESCRIPTION
3. THIS PARCEL IS LOCATED WITHIN THE CITY OF WEBSTER
4. THE STANDARD DETAILS FOR THIS PROJECT SHALL BE FOUND IN:
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) (LATEST EDITION)
FDOT STANDARD PLANS FOR ROAD CONSTRUCTION
CITY OF WEBSTER STANDARD WATER AND SEWER DETAILS AND CONSTRUCTION SPECIFICATIONS
CITY OF WEBSTER LAND DEVELOPMENT REGULATIONS
CITY OF WEBSTER DESIGN DISTRICT STANDARDS
5. ALL SIGNAGE, PAVEMENT MARKING, AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FHWA 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS' AND LOCAL REGULATORY SIGNS (STOP, ETC.) SHALL BE IN PLACE PRIOR TO FINAL INSPECTION OF PAVING IMPROVEMENTS.
6. CONTRACTOR SHALL REVIEW ALL PERMITS PRIOR TO CONSTRUCTION FOR ANY CHANGES TO THE DESIGN INCLUDED THEREIN. NOTIFY ENGINEER/OWNER OF ANY REQUIRED CHANGES PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR(S) SHALL ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THEREIN. PERMITS INCLUDED (BUT NOT NECESSARILY LIMITED TO) ARE:
CITY OF WEBSTER
WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT (ERP)
FDEP WATER AND SEWER
SUMTER COUNTY
LOCAL UNDERGROUND UTILITIES
9. ALL MATERIALS, MACHINERY, AND VEHICLES SHALL BE STORED ON-SITE IN AN ORDERLY ORGANIZED FASHION.
10. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, GAS AND CABLE TV COMPANIES.
11. PRIOR TO COMMENCEMENT, CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER WITH CONSTRUCTION SCHEDULE FOR VARIOUS SITE WORK ELEMENTS.
12. CONTRACTOR SHALL FURNISH THE ENGINEER/OWNER WITH ACCURATE SURVEY RECORD DRAWINGS SHOWING AS-CONSTRUCTED HORIZONTAL AND VERTICAL DIMENSIONING OF THE WORK. ALL INFORMATION WHICH IS UNCHANGED AND CURRENT SHALL BE NOTED BY CHECKING OFF OR CIRCLING. ALL REVISED INFORMATION SHALL BE CROSSED THROUGH AND NEW DATA ADDED.
13. AT THE BEGINNING OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES CRITICAL TO COMPLETING THE PROJECT (INCLUDING WATER, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV) AND SHALL EVALUATE POTENTIAL CONFLICTS. ALL SUCH CONFLICTS SHALL BE REPORTED TO ENGINEER/OWNER IMMEDIATELY UPON DISCOVERY.
14. THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIELD LOCATIONS AND FOR ANY RELOCATIONS OF THE VARIOUS EXISTING UTILITIES WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY FASHION TO MINIMIZE THE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE CAUSED BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
15. ANY DIFFERING SITE CONDITION FROM THAT WHICH IS REPRESENTED HEREIN, WHETHER ABOVE, ON, OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND OWNER IN WRITING PRIOR TO CONSTRUCTION IN THE AREA IMPACTED BY THE CONFLICT. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF THE CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE ENGINEER AND OWNER.
16. ALL RECOMMENDATIONS AND REQUIREMENTS OF INSPECTION PERSONNEL OTHER THAN OWNERS SHALL BE REPORTED TO ENGINEER/OWNER PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY ENGINEER/OWNER.
17. ALL WORK SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE LOCAL JURISDICTION, OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER AND REGULATORY AGENCIES.
18. CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE INFORMATION PROVIDED IN THESE PLANS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENT.
19. CONTRACTOR SHALL CONFIRM COMPATIBILITY OF PIPE SLOPES AND INVERTS DURING SHOP DRAWING AND MATERIALS ORDERING PHASE OF PROJECT AND ADVISE ENGINEER OF ANY DISCREPANCIES.
20. NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS APPROVED DURING THE SHOP DRAWING APPROVAL PROCESS.
21. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEER APPROVAL PRIOR TO PROCUREMENT OF MATERIALS.
22. CONTRACTOR TO SUBMIT COPIES OF ALL TESTING REPORTS TO THE OWNER AND ENGINEER FOR ACCEPTANCE AND CERTIFICATIONS.
23. CONTRACTOR TO PRESERVE ALL MONITORING WELLS IDENTIFIED ONSITE.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS. WHERE A TRAFFIC MAINTENANCE PLAN REQUIRED IT SHALL BE PREPARED BY AN FDOT CERTIFIED DESIGNER AND SUBMITTED BY CONTRACTOR FOR APPROVAL BY OWNER, ENGINEER, AND CITY OR COUNTY.
25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROJECT SITE DURING CONSTRUCTION TO PREVENT TRESPASSING OF UNAUTHORIZED PEDESTRIANS AND/OR VEHICLES IN ALL WORK AREAS. THE CONTRACTOR SHALL POST SIGNS, CONSTRUCT BARRIERS, OR IMPLEMENT OTHER METHODS NECESSARY TO CONTROL ACCESS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR TRESPASSING ON THE CONSTRUCTION SITE OR DAMAGES TO ANY WORK RELATED THERETO.
26. CONTRACTOR SHALL PROTECT ALL ADJACENT WETLANDS, WATERBODIES, AND PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.
27. CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN IN THE PLANS OR DESIGNATED IN THE FIELD. CONTRACTOR SHALL BECOME FAMILIAR WITH AND CONFORM WITH ALL TREE PROTECTION/PRESERVATION PROVISIONS OF THE CONTRACT DOCUMENTS AND LOCAL GOVERNMENT.
28. ALL FDOT DESIGN INDICES ARE HEREBY INCORPORATED AS PLAN REFERENCES HEREIN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING COMPLETE COPIES OF ALL APPLICABLE INDEX DRAWINGS AND CONSTRUCTING ALL WORKS IN CONFORMANCE WITH THE FDOT DESIGN STANDARDS, LATEST EDITION.
29. CONTRACTOR SHALL APPLY FOR A RIGHT-OF-WAY UTILIZATION PERMIT, AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO THE SCHEDULED START DATE, FOR ANY WORK TO BE DONE WITHIN THE CITY'S RIGHT-OF-WAY.
30. APPROVAL OF CIVIL PLANS DO NOT APPROVE THE SIGNAGE OR ITS LOCATION; A SEPARATE REVIEW WILL BE REQUIRED.

PAVING, GRADING & DRAINAGE NOTES:

- 1. SITE PAVING AND DRAINAGE MATERIALS AND CONSTRUCTION SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITIONS, INSOFAR AS THEY APPLY TO THESE DESIGNS HEREIN, AND THE LOCAL JURISDICTION REGULATIONS AND SPECIFICATIONS, WHERE SUCH SPECIFICATIONS DIFFER, THE MORE STRINGENT SHALL APPLY, SUBJECT TO DETERMINATION OF THE ENGINEER.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY MONUMENTATION. DISTURBED MONUMENTATION SHALL BE RESTORED BY A FLORIDA-LICENSED LAND SURVEYOR SELECTED BY THE OWNER AT CONTRACTOR'S EXPENSE.
3. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO ENSURE AGAINST POLLUTING, SILTING, OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING ONSITE AND OFFSITE DRAINAGE SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL PERMIT REQUIREMENTS RELATED TO SUCH MEASURES. ANY MEASURES SHOWN OR DETAILED IN THESE DRAWINGS SHALL BE CONSIDERED MINIMUMS AND SHALL NOT ALLEVIATE CONTRACTOR FROM THE RESPONSIBILITY TO IMPLEMENT ANY MEASURES NECESSARY TO PROVIDE PROTECTION.
4. THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY HAS AUTHORIZED THE STATE OF FLORIDA TO ADMINISTER THE NATIONAL POLLUTANTS DISCHARGE ELIMINATION SYSTEM (NPDES). CONTRACTOR IS ADVISED THAT OPERATORS ARE REQUIRED TO FILE WITH FDEP, A NOTICE OF INTENT TO USE THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT THE NOTICE OF INTENT (NOI) TO FDEP WITH A COPY TO THE OWNER AND THE ENGINEER AT LEAST 48 HOURS BEFORE INITIATING CONSTRUCTION.
5. CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILT DIMENSIONS AND ELEVATIONS OF THE STORMWATER MANAGEMENT AREAS AFTER FINAL GRADING AND PRIOR TO GRASSING THE SLOPES. CONTRACTOR MUST OBTAIN ENGINEER'S APPROVAL PRIOR TO GRASSING. IF ANY MODIFICATIONS ARE NEEDED, ADDITIONAL AS-BUILTS MUST BE FURNISHED.
6. GEOTECHNICAL SERVICES HAVE BEEN PROVIDED DIRECTLY TO THE OWNER. GEOTECHNICAL RECOMMENDATIONS ARE NOT THE RESPONSIBILITY OF CLYMER FARNER BARLEY, INC. (CFB). CFB ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS, OR ACCURACY OF GEOTECHNICAL INFORMATION.
7. ELEVATIONS OF GRASSED AREAS ARE GIVEN AT FINISHED GRADE (TOP OF SOD OR SEEDED SURFACE).
8. ALL DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT UNLESS INDICATED OTHERWISE.
9. PIPE LENGTHS SHOWN REPRESENT DISTANCES BETWEEN CENTERLINES OF DRAINAGE STRUCTURE AND FROM INVERTS OF ENDWALLS AND/OR PIPE ENDS. BIDDERS SHALL ADJUST FOR PIPE LENGTHS WHEN BIDDING PIPE ENDS.
10. ALL OFF-SITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION, OR BETTER.
11. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING OF ALL WASTE MATERIALS CONSISTENT WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND.
12. CONTRACTOR SHALL INSTRUCT THE GEOTECHNICAL TESTING LABORATORY PERFORMING CONSTRUCTION TESTING TO PROVIDE CFB WITH COPIES OF ALL SITE-WORK TEST REPORTS AS THEY ARE GENERATED. RECEIPT OF COPIES OF GEOTECHNICAL REPORTS BY CFB IN NO WAY OBLIGATES CFB TO ANY REVIEW, COMMENTS OR ACTIONS REGARDING THE WORK.
13. DURING CONSTRUCTION, THE GEOTECHNICAL ENGINEER PERFORMING TESTING SHALL MONITOR GROUNDWATER CONDITIONS AND PROVIDE RECOMMENDATIONS FOR ADDITIONAL ROADWAY UNDERDRAINS AS NEEDED. ENGINEER SHALL BE NOTIFIED OF ANY SUCH RECOMMENDATIONS.
14. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD STAKE AND PROTECT CONSERVATION AREA LIMITS. OWNER RESERVES THE RIGHT TO CHECK THE STAKING AND PROTECTIONS AND REQUIRE IT TO BE RELOCATED IF NECESSARY. PROTECTIONS SHALL REMAIN IN PLACE UNTIL ADJACENT CONSTRUCTION IS COMPLETE.
15. NO WATER VALVE BOXES, METERS, PORTIONS OF MANHOLES, OR OTHER APPURTENANCES RELATING TO ANY UNDERGROUND UTILITIES SHALL BE LOCATED IN ANY PORTION OF ANY TYPE OF CURB. ADVISE ENGINEER IMMEDIATELY UPON DISCOVERY OF A POTENTIAL CONFLICT.
16. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENTS TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHOULD AREAS OF POOR DRAINAGE BE OBSERVED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACEMENT OF CURBS OR PAVEMENT, SO THAT RECOMMENDATIONS FOR CORRECTION MAY BE MADE.
17. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR PRE-POUR INSPECTION PRIOR TO ANY SIDEWALK AND/OR RAMP CONCRETE POURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL RAMP TEXTURED SURFACES AND SIDEWALK LONGITUDINAL AND CROSS SLOPES ARE IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL A.D.A. STANDARDS.
18. ALL DISTURBED PUBLIC AND PRIVATE RIGHTS OF WAY SHALL BE RESTORED. SOD SHALL BE REPLACED FROM BACK OF CURB OR EDGE OF PAVEMENT TO RIGHT-OF-WAY AND ALL AREAS SHALL MATCH OR EXCEED PRECONSTRUCTION CONDITIONS.
19. CONTRACTOR SHALL NOT COMPACT, STABILIZE, OR CONSTRUCT BASE COURSE WITHIN LANDSCAPE ISLANDS, TRACTS, OR MEDIANS, WHERE SUCH TREATMENT DOES OCCUR, IT SHALL BE REMOVED AND REPLACED WITH SUITABLE PLANTING SOILS ACCEPTABLE TO OWNERS LANDSCAPE ARCHITECT.
20. CONTRACTOR SHALL REMOVE ALL UNSUITABLE SOILS IN CONSTRUCTION AREAS AND AREAS TO BE FILLED. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS.
21. ENGINEER RESERVES THE RIGHT TO WITHHOLD APPROVALS FOR PAYMENT FOR ANY ROADWORK WHICH HAS NOT BEEN TESTED BY A FLORIDA-REGISTERED GEOTECHNICAL ENGINEER AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
22. SITE CONTRACTOR SHALL GRADE ANY UTILITY EASEMENTS, AS SHOWN OR NOTED ON THE PLAT OR CONSTRUCTION DRAWINGS, ADJACENT TO THE RIGHT-OF-WAY LINE TO FINAL DESIGN GRADE.
23. CONTRACTOR SHALL STABILIZE AND PROTECT ALL END WALL, MITERED END SECTION, FLARED END SECTION, ETC. STRUCTURES THROUGHOUT THE PROJECT UNTIL THE POND SLOPES ARE STABILIZED AND ACCEPTED BY OWNER.
24. CONTRACTOR/BIDDER SHALL OBSERVE OFFSITE ROADWAYS FOR FRICTION COURSE REMOVAL AND RESTORATION REQUIREMENTS AND FOR LEVELING COURSE REQUIREMENTS WHICH SHALL BE INCLUDED IN THE BID AND IN THE WORK.
25. OVER-EXCAVATION OF RETENTION BASINS SHALL NOT BE ALLOWED UNLESS SPECIFICALLY AUTHORIZED BY ENGINEER/OWNER. SHOULD UNAUTHORIZED OVER-EXCAVATION OCCUR, IT SHALL BE BACKFILLED, REGRADED, RESOODED, AND/OR RESEEDED AS REQUIRED BY OWNER AT CONTRACTOR'S EXPENSE TO OWNERS SPECIFICATIONS.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING A GEOTECHNICAL CONSULTANT TO PROVIDE FIELD PERMEABILITY TESTS TO ENSURE THE STORMWATER PONDS WILL FUNCTION AS DESIGNED AND MEET THE DESIRED INFILTRATION RATES. THE REPORT SHALL BE FORWARDED TO THE OWNER AND THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO THE COMPLETION OF THE POND CONSTRUCTION.
27. SEE GEOTECHNICAL REPORT PROVIDED TO OWNER FOR FOUNDATION UNDERCUTTING AND BACKFILL SPECIFICATIONS IN AND AROUND BUILDING.

PAVING, GRADING & DRAINAGE MATERIAL SPECIFICATIONS:

- 1. STORM DRAINS SHALL BE CONSTRUCTED WITH FDOT-APPROVED MATERIALS. PIPE JOINTS SHALL BE WRAPPED PER FDOT INDEX 430-001.
2. ALL STORM STRUCTURES SHALL BE IN CONFORMANCE WITH FDOT STANDARD INDEX DRAWINGS. GRATES SHALL BE CAST IRON UNLESS OTHERWISE SPECIFIED OR APPROVED.
3. ALL TYPE "P" STRUCTURE BOTTOMS SHALL BE PER FDOT INDEX NO. 425-010.
4. ALL TYPE "J" STRUCTURE BOTTOMS SHALL BE PER FDOT INDEX NO. 425-010.
5. ALL CONCRETE WORK SHALL BE 3,000 PSI MINIMUM, UNLESS OTHERWISE SPECIFIED.
6. HDPE PIPE (WHERE SPECIFIED) SHALL BE INSTALLED BY A CERTIFIED HDPE CONTRACTOR.
7. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR INSPECTION OF STORM SEWERS PRIOR TO PAVING. CONTRACTOR SHALL PROVIDE EQUIPMENT FOR LAMPING INSPECTION BY ENGINEER. FURTHER TESTING WITH MANDRELS OR VIDEO TAPING OF PIPES MAY BE REQUIRED BY ENGINEER.
8. PAVING MATERIALS SHALL CONFORM WITH FDOT STANDARD SPECIFICATIONS LATEST EDITION.
9. UNDERDRAIN SHALL BE HEAVY-DUTY CORRUGATED POLYETHYLENE PIPE WITH FACTORY INSTALLED FABRIC AS MANUFACTURED BY ADVANCE DRAINAGE SYSTEMS (ADS), OR APPROVED EQUAL.
10. UNDERDRAIN DISCHARGE PIPE SHALL BE PVC PER ASTM D3034 SDR 35 WITH ELASTOMERIC JOINTS, NON-PERFORATED.
11. FILL PLACEMENT AND SPECIFICATIONS SHALL CONFORM TO THE RECOMMENDATIONS OF THE PROJECT'S GEOTECHNICAL CONSULTANT.
12. CONTRACTOR SHALL PROVIDE FOR POSITIVE DRAINAGE FROM SUBGRADE THROUGH FINAL LIFT OF ASPHALT. STRUCTURE BASES SHALL BE FABRICATED IN ACCORDANCE WITH FDOT STANDARD INDEX 425-00. TEMPORARY DRAINS FOR SUBGRADE AND BASE, AS NOTED IN THE INDEX, WILL BE CONSIDERED INCIDENTAL TO THE PRICE OF THE STRUCTURE.
13. SOIL TESTING RESULTS SHALL BE PROVIDED FOR THE PAVEMENT CONSTRUCTION. AFTER PLACEMENT AND FIELD COMPACTION, THE WEARING SURFACE SHALL BE CORED TO EVALUATION MATERIAL THICKNESS AND TO PERFORM LABORATORY DENSITIES. THE LOCATION AND NUMBER OF SAMPLE CORES SHALL BE DETERMINED BY THE GEOTECHNICAL CONSULTANT. THE TESTING REPORT SHALL DENOTE THE TEST LOCATIONS.

AMERICANS WITH DISABILITIES ACT NOTES:

THE CONTRACTOR & OWNER WILL BE HELD ACCOUNTABLE DURING THE CONSTRUCTION FOR ALL SITE IMPROVEMENTS. COMPLIANCE WITH SECTION 553.503 FLORIDA STATUTES (FS), AND THE 8TH EDITION (2023 FLORIDA ACCESSIBILITY CODE) FOR BUILDING CONSTRUCTION (FACBC), IS MANDATORY. IF INCORRECT AT FINAL INSPECTION, CONTRACTOR WILL BE REQUIRED TO MODIFY CONSTRUCTION TO COMPLY WITH FS AND FACBC. THE FOLLOWING ITEMS TAKE PRECEDENCE AND SUPERSEDE OTHER SITE DETAILS ON DRAWINGS:

- 1. ACCESSIBLE PARKING SPACE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE NO LESS THAN 44" WIDE SO THAT USERS WILL NOT BE COMPELLED TO WALK OR WHEEL BEHIND PARKED VEHICLES EXCEPT BEHIND HIS OR HER OWN VEHICLE. §208.1 AND §502.3, FACBC AND FS 553.5041.
2. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE FROM THE ACCESSIBLE (H/C) PARKING TO AN ACCESSIBLE ENTRANCE. §208.3.1, FACBC AND FS 553.5041 (5)(B).
3. ACCESSIBLE PARKING SPACES SHALL BE 12' WIDE, AND OUTLINES WITH BLUE PAINT. §502.2 AND §502.6, FACBC.
4. ACCESS AISLES REQUIRED ADJACENT TO MONITORING SPACES SHALL BE 5' WIDE WITH DIAGONAL STRIPING. §502, FACBC
5. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL (NOT TO EXCEED 1:48) ON A STABLE, FIRM AND SLIP RESISTANT SURFACE. RE: §302.1 AND §502.3, FACBC
6. ACCESSIBLE PARKING SIGNS SHALL BE FDOT APPROVED AND SHALL READ 'PARKING BY DISABLED PERMIT ONLY' AND SHALL INDICATE A \$250 FINE FOR ILLEGAL USE. INSTALL SIGNS A MINIMUM 60" (INCHES) FROM THE GROUND TO THE BOTTOM OF THE SIGN(S). RE: §502.6, FACBC AND FS 553.5041.
7. CURB RAMPS SHALL NOT EXCEED 1:12 SLOPE, AND CURB RAMP FLARES SHALL NOT EXCEED 1:10 SLOPE. CURB RAMPS AND FLARED SIDES SHALL NOT ENCROACH UPON PARKING SPACES, ACCESS AISLES, OR VEHICULAR TRAFFIC LANES. THE COUNTER SLOPE OF ADJACENT ROAD SURFACES AND GUTTERS SHALL NOT EXCEED 1:20. RE: §405.2, §406.2 AND §5, FACBC
8. A LANDING WITH A MINIMUM CLEAR LENGTH OF 36" SHALL BE LOCATED AT THE TOP SIDE OF EACH CURB RAMP WITH A CLEAR WIDTH AT LEAST AS WIDE AS THE CURB RAMP. (EXCLUDING FLARED SIDES) LEADING TO IT. EXCEPTION: FOR ALTERATIONS, WHERE THERE IS NO LANDING, CURB RAMP FLARES SHALL BE PROVIDED, AND SHALL NOT BE STEEPER THAN 1:12 SLOPE. RE: §406, FACBC
9. ALL RAMPS WITH A RISE GREATER THAN 6" SHALL PROVIDE EDGE PROTECTION COMPLYING WITH §405.9 FACBC. RAMPS SHALL HAVE A 60" MIN LEVEL LANDINGS AT THE TOP AND BOTTOM. RE: §405.7, FACBC
10. ALL RAMPS WITH A RISE GREATER THAN 6" SHALL HAVE HANDRAILS ON BOTH SIDES WITH 12" HORIZONTAL EXTENSIONS AT THE TOP AND BOTTOM OF THE RAMP. RE: §1010.9 FBC-B (FLORIDA BUILDING CODE - BUILDING) AND §505-10 FACBC
11. ACCESSIBLE ROUTES TO 'MAIN ENTRY' FROM AN ACCESSIBLE PARKING SPACE, AND FROM THE 'PUBLIC WAY', SHALL NOT EXCEED 1:20 SLOPE (UNLESS RAMPS AND HANDRAILS ARE PROVIDED) WITH CROSS SLOPE NOT IN EXCESS OF 1:48. RE: §206, §402 AND §403, FACBC.
12. CONNECT BUILDINGS WITHIN THE SAME SITE WITH AN ACCESSIBLE ROUTE WHICH SHALL NOT EXCEED 1:20 SLOPES (UNLESS RAMPS AND HANDRAILS ARE PROVIDED) AND A MAX CROSS SLOPE OF 1:48. RE: §206, FACBC.
* EXCEPTION: AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED BETWEEN ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES IF THE ONLY MEANS OF ACCESS BETWEEN THEM IS A VEHICULAR WAY NOT PROVIDING PEDESTRIAN ACCESS. RE: §206.2.2, FACBC

SANITARY SEWER NOTES

- 1. ALL SANITARY SEWER MAINS & LATERALS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.
2. ALL SANITARY SEWER MAINS & SERVICE LATERALS SHALL BE CONSTRUCTED OF POLYVINYL CHLORIDE PIPE, SDR 35 OR AS OTHERWISE INDICATED ON THE CONSTRUCTION DRAWINGS.
3. ALL SANITARY SEWER WORK SHALL CONFORM WITH LOCAL REGULATORY STANDARDS AND SPECIFICATIONS.
4. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING NEW WORK TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING CONNECTION POINT AND NOTIFY OWNERS ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
5. PVC PIPE AND FITTINGS SHALL CONFORM TO ASTM SPECIFICATIONS DESIGNATION D-3034-77C, MA SDR 35. INSTALLATION OF SDR 35 PIPE SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF ASTM SPECIFICATION SECTION D2321. ALL SANITARY SEWER PIPELINES SHALL BE SOLID GREEN IN COLOR.
6. ALL PVC FORCE MAINS SHALL BE CLASS 200, SDR 21, COLOR GREEN, WITH A GREEN MAGNETIC TAPE A MINIMUM OF 2" WIDE, PLACED 1 FOOT BELOW THE PROPOSED GRADE, THE PRINTING ON THE MAGNETIC TAPE SHOULD READ "FORCEMAIN".
7. ALL DUCTILE IRON PIPE SHALL BE CLASS 52 IN ACCORDANCE WITH ANSI A 21.50 (AWWA C 150) AND ANSI A21.51 (AWWA C 151). DUCTILE IRON PIPE SHALL RECEIVE INTERIOR AND EXTERIOR BITUMINOUS COATING IN ACCORDANCE WITH ANSI A 21.6, A 21.8, OR A 21.51.
8. ALL SANITARY SEWER GRAVITY MAINS OR SANITARY SEWER FORCEMAINS THAT REQUIRE D.I.P. ARE TO BE POLYUNED OR EPOXY LINED.
9. ALL SANITARY SEWER COVERS SHALL BE TRAFFIC RATED FOR H-20 LOADING.
10. ALL NEW UTILITIES SHALL HAVE LOCATOR WIRE INSTALLED.

WATER SYSTEM NOTES:

- 1. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.
2. ALL WATER SYSTEM WORK SHALL CONFORM WITH LOCAL REGULATORY STANDARDS AND SPECIFICATIONS.
3. ALL DUCTILE IRON PIPE SHALL BE CLASS 52 IN ACCORDANCE WITH ANSI A 21.50 (AWWA C 150) AND ANSI A 21.31 (AWWA C 151) AND PIPE SHALL RECEIVE EXTERIOR BITUMINOUS COATING IN ACCORDANCE WITH ANSI A 21.6, A 21.8 OR A 21.51 AND SHALL BE MORTAR LINED, STANDARD THICKNESS, AND BITUMINOUS SEALED IN ACCORDANCE WITH ANSI A (AWWA C 104-71).
4. ALL FITTINGS LARGER THAN 2" SHALL BE DUCTILE IRON CLASS 63 IN ACCORDANCE WITH AWWA C 110 WITH A PRESSURE RATING OF 350 PSI. JOINTS SHALL BE MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C-111. FITTINGS SHALL BE CEMENT MORTAR LINED AND COATED IN ACCORDANCE WITH AWWA C-104.
5. ALL PVC WATER MAINS 4" THROUGH 12" SHALL BE IN ACCORDANCE WITH AWWA C-900. PIPE SHALL BE CLASS 150 AND MEET THE REQUIREMENTS OF SDR 18 IN ACCORDANCE WITH ASTM D-2241.
6. WATER MAIN PIPING OF LESS THAN 4" SHALL BE PER PVC SDR26.
7. ALL FITTINGS 2" AND SMALLER SHALL BE PVC SDR21 WITH PUSH ON JOINTS.
8. ALL GATE VALVES 2" OR LARGER SHALL BE RESILIENT SEAT OR RESILIENT WEDGE MEETING THE REQUIREMENTS OF AWWA C509
9. ALL FIRE HYDRANTS SHALL MEET THE REQUIREMENTS OF AWWA C502 AND SHALL BE APPROVED BY THE LOCAL UTILITY AND FIRE MARSHAL.
10. THE CONTRACTOR IS TO INSTALL TEMPORARY BLOW-OFFS AT THE END OF WATER SERVICE LATERALS TO ASSURE ADEQUATE FLUSHING AND DISINFECTION.
11. THRUST BLOCKING SHALL BE PROVIDED AT ALL FITTINGS AND HYDRANTS AS SHOWN ON DETAILS.
12. MATERIALS AND CONSTRUCTION METHODS FOR WATER DISTRIBUTION SYSTEM SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY CODES.
13. THE IRRIGATION SYSTEM SHALL HAVE COLOR CODED PIPING AND LABELING ON THE PIPE TO INSURE DIFFERENTIATION FROM POTABLE WATER PIPING.
14. ALL NEW UTILITIES SHALL HAVE LOCATOR WIRE INSTALLED.

WATER SYSTEM TESTING AND INSPECTION REQUIREMENTS

THE PERMIT HOLDER SHALL MAKE THE APPLICABLE TESTS PRESCRIBED IN SECTIONS 312.2 THROUGH 312.9 OF THE 2004 FLORIDA BUILDING CODES. AS UPDATED, TO DETERMINE COMPLIANCE WITH THE PROVISIONS OF THIS CODE THE PERMIT HOLDER SHALL GIVE REASONABLE ADVANCE NOTICE TO THE CODE OFFICIAL WHEN THE PLUMBING WORK IS READY FOR TESTS. THE EQUIPMENT, MATERIAL, POWER AND LABOR NECESSARY FOR THE INSPECTION AND TEST SHALL BE FURNISHED BY THE PERMIT HOLDER, AND THE PERMIT HOLDER SHALL BE RESPONSIBLE FOR DETERMINING THAT THE WORK WILL WITHSTAND THE TEST PRESSURE PRESCRIBED IN THE ABOVE MENTIONED SECTIONS. ALL PLUMBING SYSTEM PIPING SHALL BE TESTED WITH EITHER WATER OR, FOR PIPING SYSTEMS OTHER THAN PLASTIC, BY AIR. AFTER THE PLUMBING FIXTURES HAVE BEEN SET AND THEIR TRAPS FILLED WITH WATER, THE ENTIRE DRAINAGE SYSTEM SHALL BE SUBMITTED TO FINAL TESTS. THE CODE OFFICIAL SHALL REQUIRE THE REMOVAL OF ANY CLEANOUTS IF NECESSARY TO ASCERTAIN WHETHER THE PRESSURE HAS REACHED ALL PARTS OF THE SYSTEM.

ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER AND THE CODE OFFICIAL. CONTRACTOR TO NOTIFY OWNERS ENGINEER AND CODE OFFICIAL 48 HOURS IN ADVANCE OF PERFORMING TESTS.

VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES

- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED STORMWATER FORCE MAIN OR RECLAIMED WATER PIPELINE REGULATED UNDER PART 62-610, F.A.C. SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE THE OTHER PIPELINE. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED STORM SEWER OR VACUUM SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 6 INCHES MINIMUM, 12 INCHES PREFERRED, ABOVE THE OTHER PIPELINE.
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART 62-610, F.A.C. SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
(C) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 6 INCHES ABOVE, 12 INCHES IS PREFERRED, ABOVE THE OTHER PIPELINE.
(D) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING BELOW ANY OTHER PIPELINE, AS DESCRIBED ABOVE, MUST HAVE AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
(E) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A), (B), (C) AND (D) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE TYPE SANITARY SEWERS, SANITARY SEWER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR SEWER FORCE MAINS AND RECLAIMED WATER PIPELINES.

- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
(C) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(D) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED 'ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM' AS DEFINED IN SECTION 381.006(2), F.S., AND RULE 64E-6.002, F.A.C.

EXCEPTIONS TO HORIZONTAL AND VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR SEWER FORCE MAINS AND RECLAIMED WATER PIPELINES.

WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALLY SENSIBLE TO COMPLY WITH THE REQUIREMENTS OS 62-555.314(1) OR (2), F.A.C., THE DEPARTMENT SHALL ALLOW EXCEPTIONS TO THESE REQUIREMENTS IF SUPPLIERS OF WATER OR CONSTRUCTION PERMIT APPLICANTS PROVIDE TECHNICAL OR ECONOMIC JUSTIFICATION FOR EACH EXCEPTION AND PROVIDE ALTERNATIVE CONSTRUCTION FEATURES THAT AFFORD A SIMILAR LEVEL OF RELIABILITY AND PUBLIC HEALTH PROTECTION.

WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE:
(A) USE OF PRESSURE-RATED PIPE CONFORMING TO THE AMERICAN WATER WORKS ASSOCIATION STANDARDS INCORPORATED INTO RULE 62055.330, F.A.C., FOR THE OTHER PIPELINE IF IT IS A GRAVITY- OR VACUUM TYPE-TYPE PIPELINE;
(B) USE OF WELDED, FUSED, OR OTHERWISE RESTRAINED JOINTS FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE; OR
(C) USE OF WATERTIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE.

WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THREE FEET HORIZONTALLY FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS BEING LAID LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE:
(A) USE OF PIPE, OR CASING PIPE, HAVE HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR BOTH THE WATER MAIN AND FOR THE OTHER PIPELINE IF IT IS NEW AND IS CONVEYING WASTEWATER OR RECLAIMED WATER.

SANITARY SEWER TESTING AND INSPECTION REQUIREMENTS

- 1. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A TELEVISION INSPECTION BY THE OWNERS CONTRACTOR. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION.
2. THE CONTRACTOR SHALL PERFORM AN EXFILTRATION TEST ON ALL GRAVITY SEWERS INSTALLED IN ACCORDANCE WITH THE REGULATION AGENCY HAVING JURISDICTION. MAXIMUM ALLOWABLE LEAKAGE RATE: 200 GPD PER INCH PIPE DIAMETER PER MILE. TEST RESULTS ARE TO BE SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.
3. ALL FORCE MAINS SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.

Table with columns for REVISIONS and DATE, containing a grid for tracking changes.

CFB CLYMER FARNER BARLEY logo and contact information: 7413 ALFORD AVE, MIDDLETON, FL 34762 (882)746-3126

Vertical sidebar containing project name (BUSHNELL TRUSS - WEBSTER PLANT), address (7795 STATE ROAD 471), location (WEBSTER, FL), notes & specifications, and a metadata table with fields for SAVE DATE, DRAWN BY, CHECKED BY, PROJECT #, and FILE NAME.

SITE DATA

- PROPERTY AREA = 14.055 AC (612,257 SQ. FT.)
- PARCEL ID NUMBER: Q19-060, Q19-090 & Q19-091
- ZONING: INDUSTRIAL
- FUTURE LAND USE: INDUSTRIAL
- PROJECT ADDRESS: 7795 SR 471 BUSHNELL, FL 33513
- FLOOD ZONE: "X" & "A" MAP PANEL ID: 12119C0243D REVISED MAP: 9/27/2013
- BUILDING SETBACK:

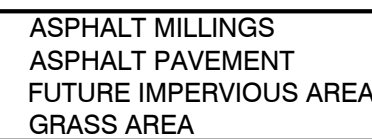
| | REQUIRED | PROVIDED |
|--------------|----------|----------|
| FRONT (WEST) | 75' | 993.1' |
| SIDE (NORTH) | 20' | 83.3' |
| SIDE (SOUTH) | 25' | 1105.2' |
| REAR (EAST) | 20' | 81.7' |
- BUILDING HEIGHT: 35' MAX. 24'-4"
- PARKING DATA:

| | REQUIRED | PROVIDED |
|------------------------------------|-------------|-----------|
| *INDUSTRIAL (1/EMPLOYEE (25) + 10) | = 35 SPACES | 35 SPACES |
| HANDICAP PARKING SPACES | = 2 SPACES | 2 SPACES |
| HANDICAP PARKING SPACES (1 PER 25) | = 37 SPACES | 37 SPACES |
- LOADING ZONES (1 PER 10,000 SF) = 6 5 (IN BUILDING) 1 (SOUTH DRIVE)
- LOCATED IN SECTION 19, TOWNSHIP 21 SOUTH, RANGE 23 EAST BUSHNELL, SUMTER COUNTY, FLORIDA
- AREAS FOR TOTAL SITE (BASED ON FOOTPRINT, NOT INTERIOR SQ. FOOTAGE)

| PARCEL SUMMARY & SITE DATA | EXISTING | PROPOSED |
|--------------------------------|--------------------------------|-------------------------|
| TOTAL BUILDING AREA | = 0 SQ. FT. (0%) | 60,000 SQ. FT. (9.8%) |
| TOTAL ASPHALT, CONCRETE, SHELL | = 0 SQ. FT. (0%) | 135,975 SQ. FT. (22.2%) |
| TOTAL FUTURE IMPERVIOUS | = 0 SQ. FT. (0%) | 78,405 SQ. FT. (12.8%) |
| TOTAL DIRT DRIVEWAY | = 11,409 SQ. FT. (1.9%) | 0 SQ. FT. (0%) |
| TOTAL IMPERVIOUS AREA | = 11,409 SQ. FT. (1.9%) | 211,770 SQ. FT. (44.8%) |
| TOTAL GREEN AREA | = 600,848 SQ. FT. (98.1%) | 400,487 SQ. FT. (55.2%) |
| TOTAL PROPERTY AREA | = 612,257 SQ. FT. (14.055 AC.) | |
- MAXIMUM LOT COVERAGE (ISR) = 0.35
- FLOOR AREA RATIO (FAR) = 0.10
- SOLID WASTE: ON-SITE DUMPSTER

- *PARKING DEVIATION APPROVED BY MS. DEANNA NAUGLER, CITY MANAGER

LEGEND

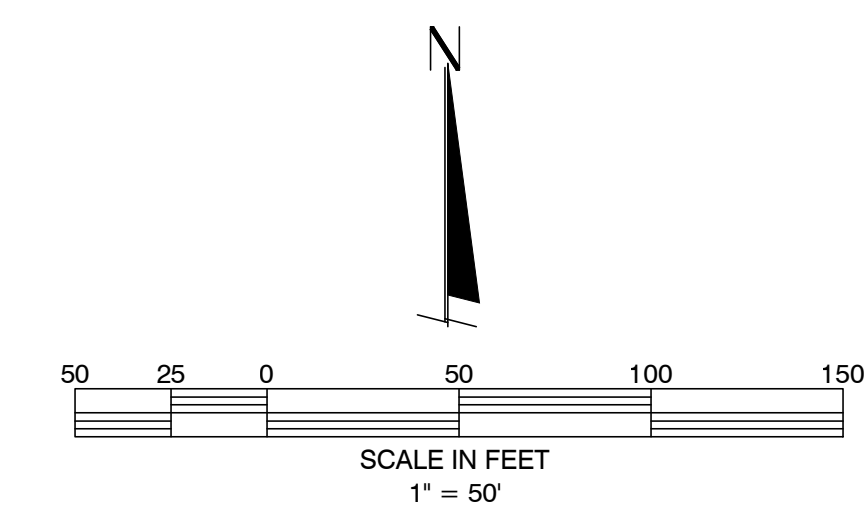
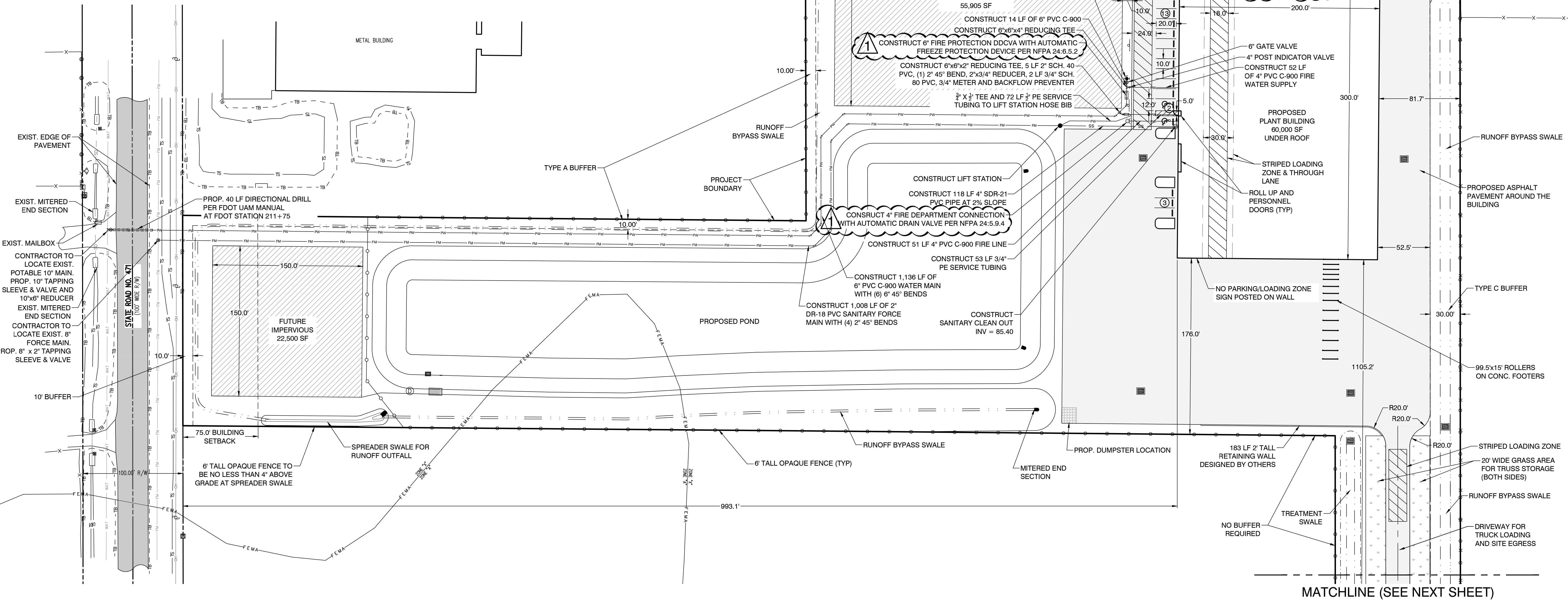
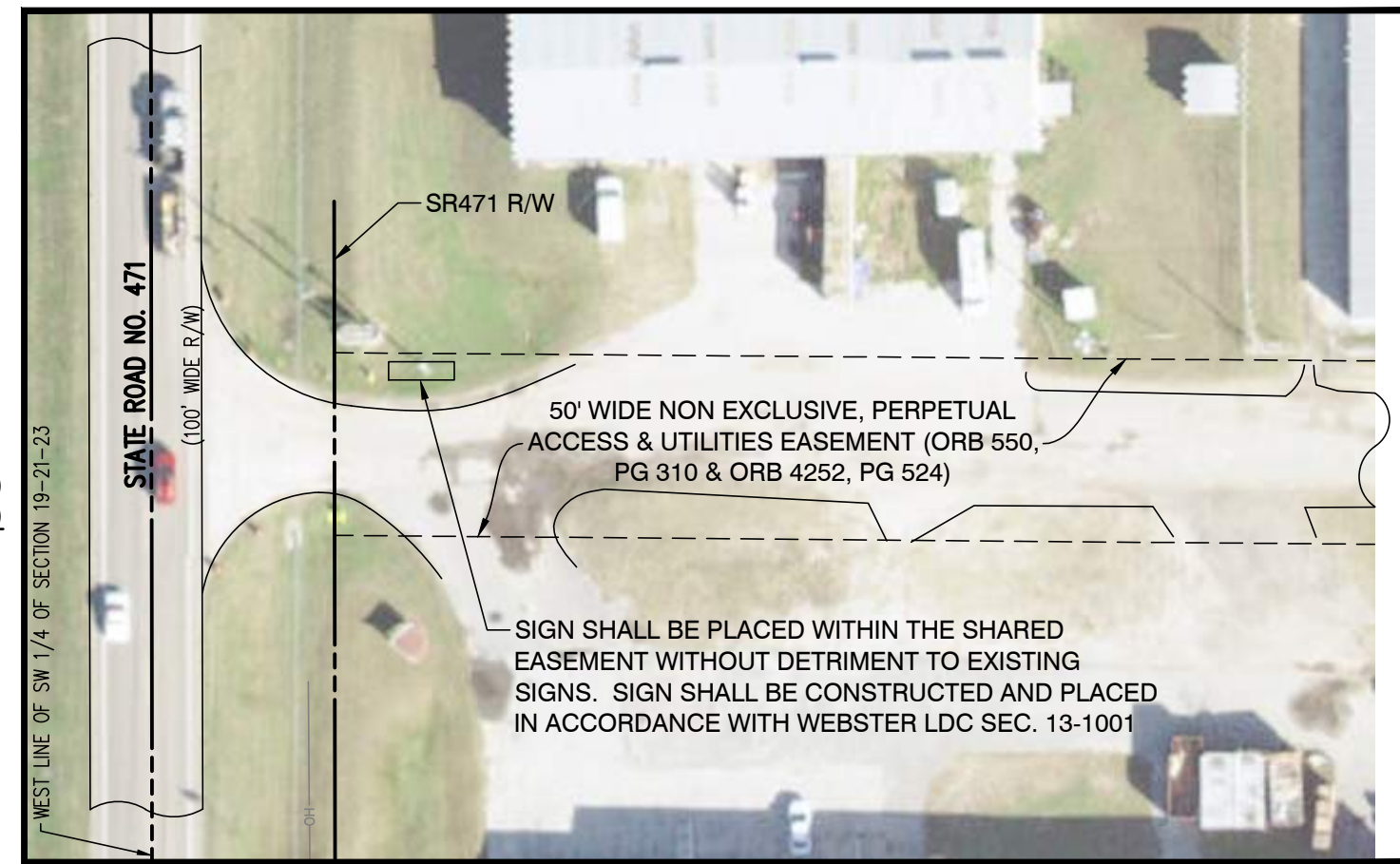


SUMTER COUNTY FIRE NOTES:

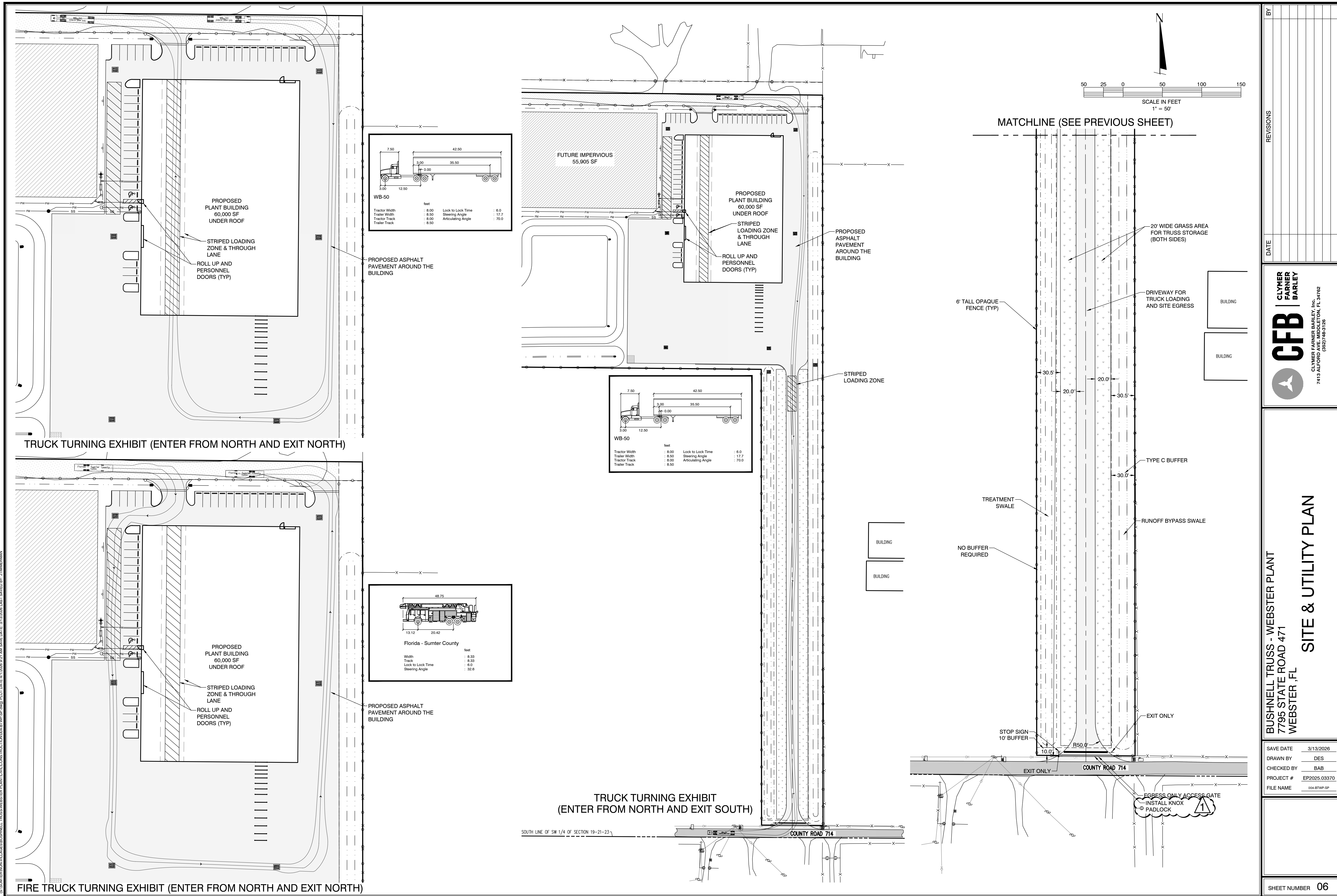
- CONSTRUCTION MATERIAL IS STEEL AND IS CLASS II (000)
- FIRE FLOW REQUIREMENT FOR THE 60,000 SF BUILDING IS 5,250 GPM FOR 4 HOURS. THE AUTOMATIC SPRINKLER SYSTEM REDUCES THE FLOW REQUIREMENT BY 75% TO 1313 GPM FOR 2 HOURS PER FPC 1-18.4.5.3.4
- THE AVAILABLE FIRE FLOW IS 1541 GPM AT 20 PSI RESIDUAL PRESSURE
- FIRE LANE SIGNS SHALL USE THE WORDING "NO PARKING IN FIRE LANE BY ORDER OF THE FIRE DEPARTMENT."
- FIRE LANE SIGNS SHALL BE 12" X 18" WITH WHITE BACKGROUND AND RED LETTERS AND SHALL BE A MAXIMUM OF 7' HEIGHT FROM ROAD TO BOTTOM OF SIGN.
- THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING TO SUMPTER COUNTY FIRE PRIOR TO INSTALLATION.
- HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 25, CHAPTER 7.3 INSTALLATION.
- THE BUILDING SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13. SEE ARCHITECTURAL DRAWINGS FOR SPRINKLER DETAILS AND SPECIFICATIONS

DIRECTIONAL DRILL NOTES:

- BORING SHALL OCCUR NO LESS THAN 60" BELOW ROAD SUBGRADE.
- BORING PITS SHALL BE LOCATED AWAY FROM THE EDGE OF PAVEMENT.
- SETTLEMENT MONITORING SHALL BE MONITORED DURING AND AFTER THE DRILLING.
- ANY DAMAGE TO THE EXISTING ROAD WILL REQUIRE FULL DEPTH RESTORATION. DAMAGE INCLUDES BUT IS NOT LIMITED TO RUTTING, CRACKING AND DEPRESSIONS.
- CONTRACTOR SHALL ESTABLISH MAINTENANCE OF TRAFFIC CONSISTENT WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 102 PRIOR TO INITIATING CONSTRUCTION IN THE RIGHT OF WAY.
- MAINTENANCE OF TRAFFIC SHALL BE PER INDEXES 102-601 AND 102-602.
- CONTRACTOR TO NOTIFY OWNERS OF ADJACENT PROPERTIES PRIOR TO WORK IN THE RIGHT OF WAY.
- FOOT RIGHT OF WAY IS TO BE RESTORED WITH SOD AFTER CONSTRUCTION IS COMPLETE. ANY DISTURBANCE OF EXISTING DRAINAGE DITCHES SHOULD BE RESTORED.
- UNDERGROUND UTILITY INSTALLATION SHALL BE DONE IN ACCORDANCE WITH FDOT 2017 UAM 3.16.
- CONTRACTOR SHALL LOCATE BOTH WATER AND SEWER LINES WITH SOFT DIGS PRIOR TO EXCAVATION FOR THE DIRECTIONAL DRILL.
- WORK WITHIN THE FDOT RIGHT OF WAY FALLS WITHIN THE LIMITS OF AN ONGOING FDOT PROJECT WITH FPID 445295-1-52-01 AND CONTRACT E58F1



| | |
|---|---|
| BY | JT |
| DATE | 2026-03-13 |
| REVISIONS | REVISIONS PER COUNTY COMMENTS ISSUED ON 3-11-26 |
| | |
| CLYMER FARNER BARLEY CLYMER FARNER BARLEY, INC. 7413 ALFORD AVE., MIDDLETON, FL 34762 (882)748-3126 | |
| BUSHNELL TRUSS - WEBSTER PLANT 7795 STATE ROAD 471 WEBSTER, FL | |
| SITE & UTILITY PLAN | |
| SAVE DATE | 3/13/2026 |
| DRAWN BY | DES |
| CHECKED BY | BAB |
| PROJECT # | EP2025.03370 |
| FILE NAME | 004-8TWP-SP |
| SHEET NUMBER 05 | |



REVISIONS

DATE

CFB
 CLYMER FARNER BARLEY
 CLYMER FARNER BARLEY, INC.
 7413 ALFORD AVE., MIDDLETON, FL 34762
 (882)748-3126

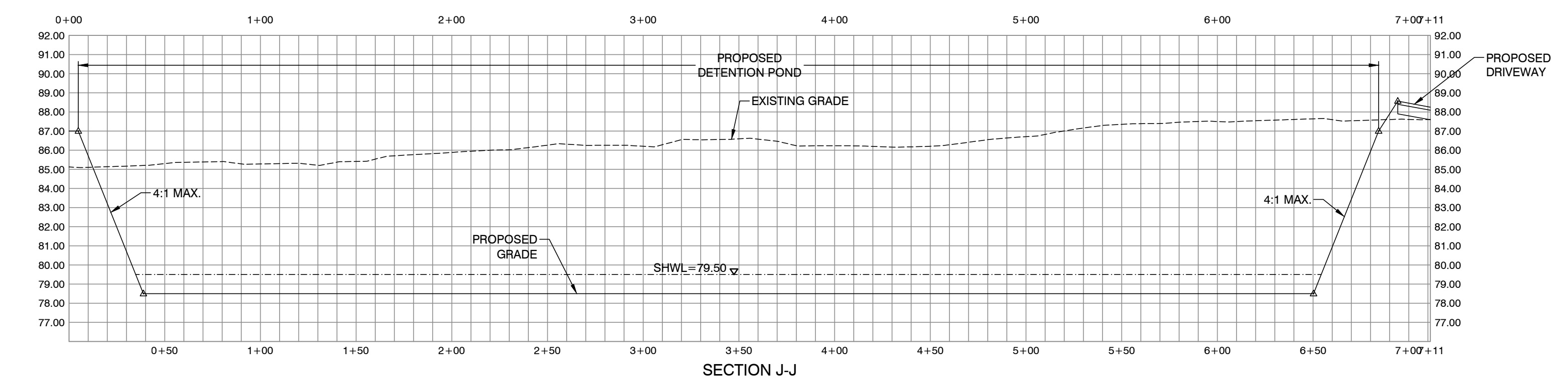
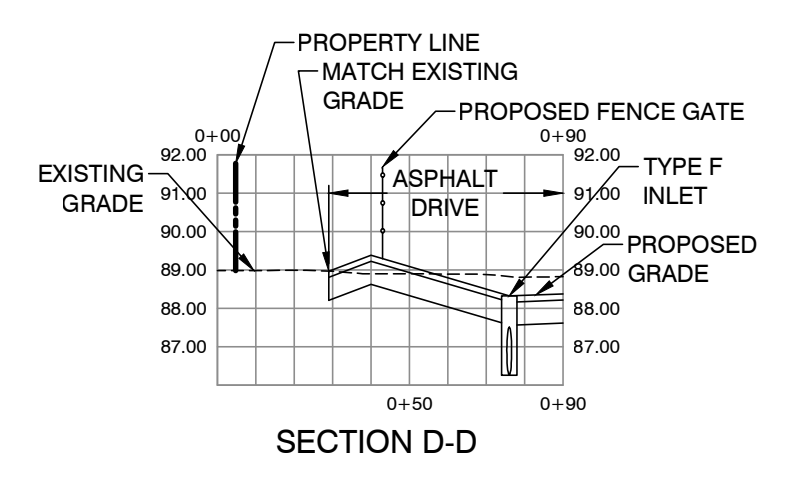
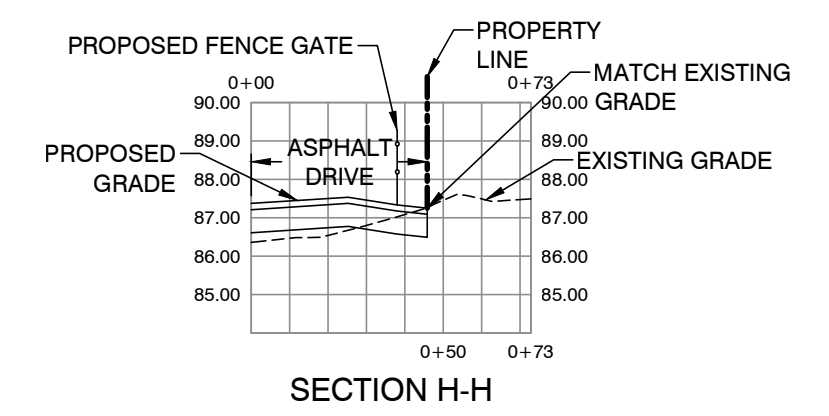
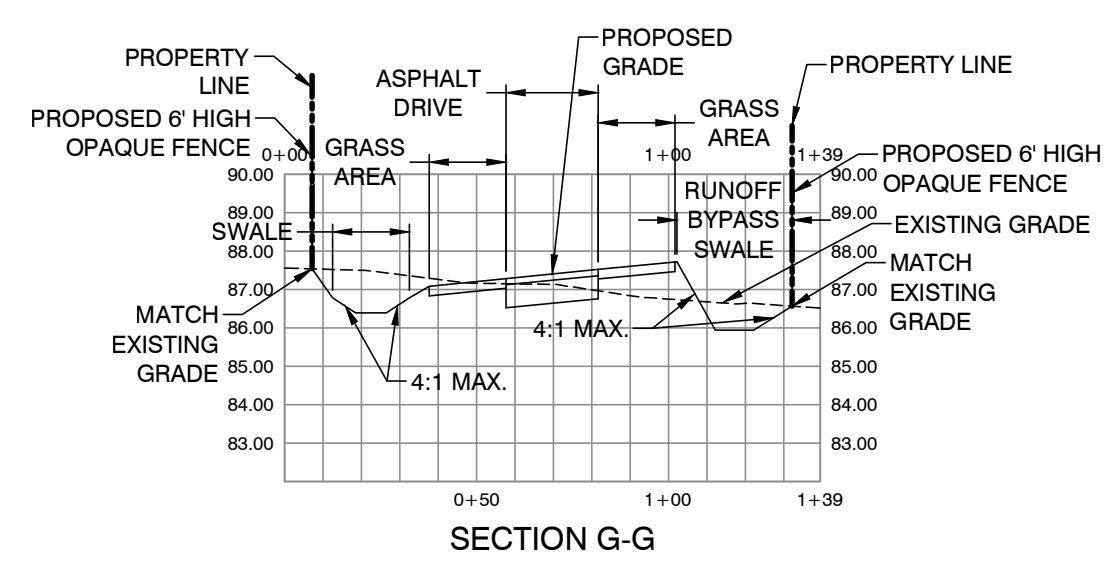
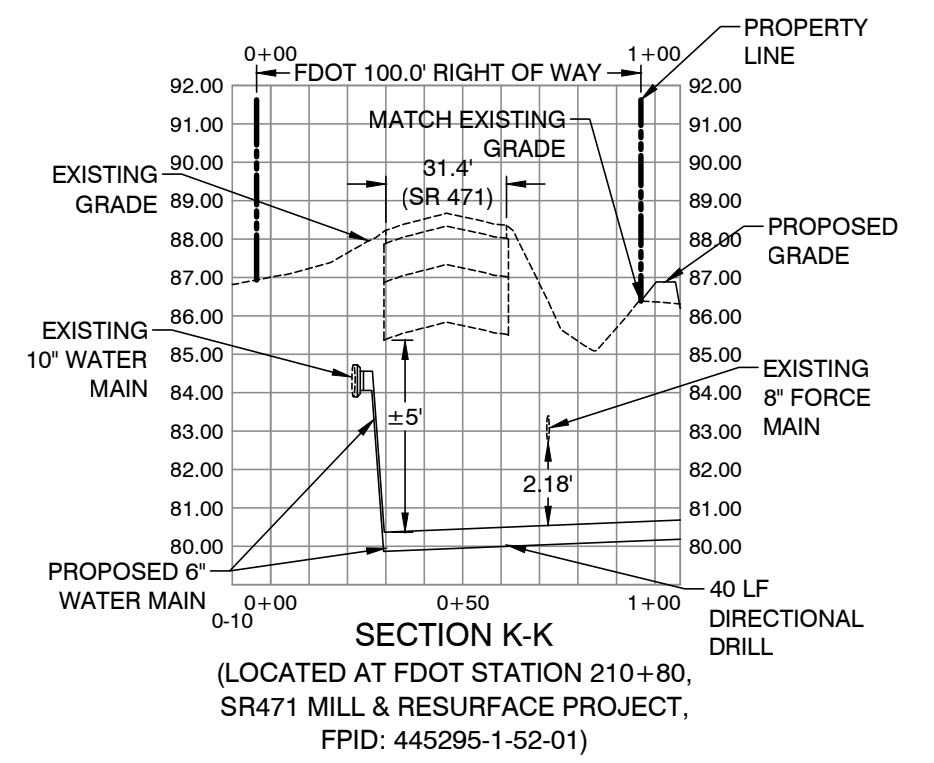
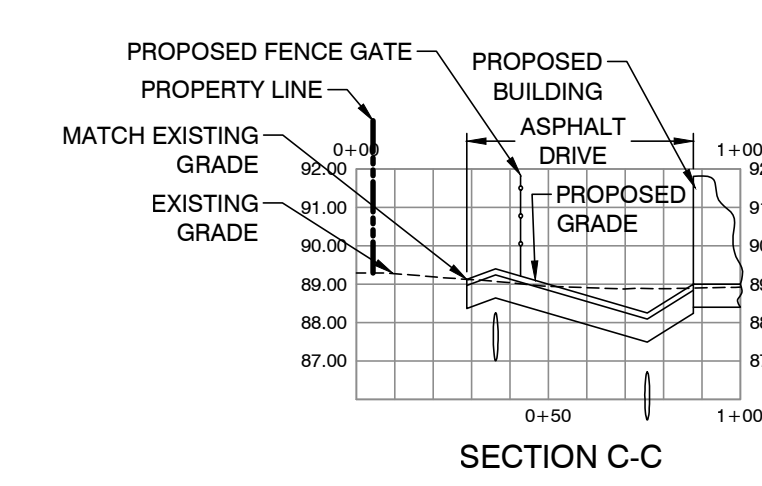
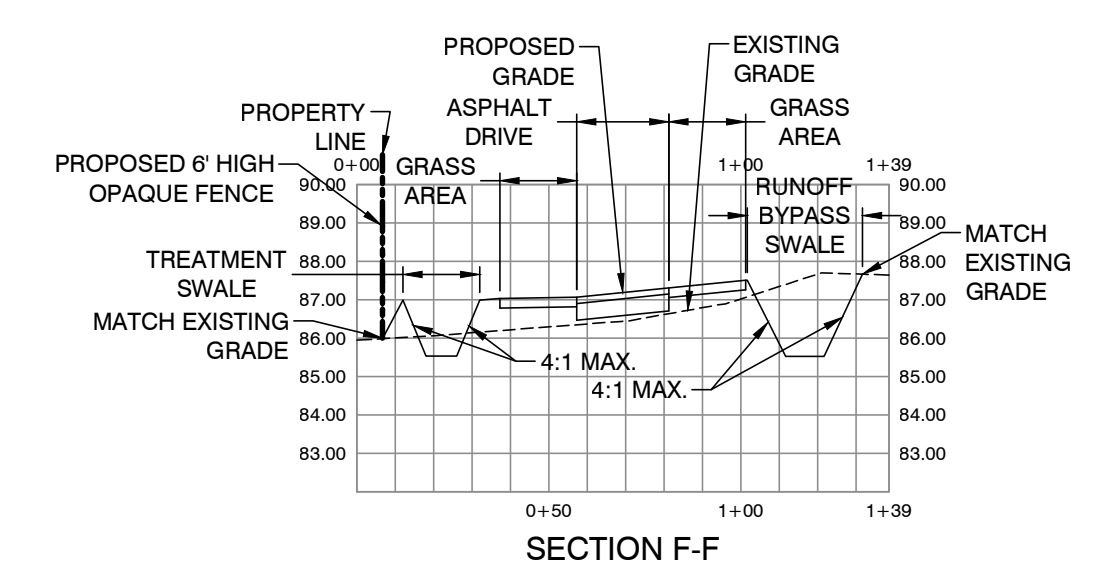
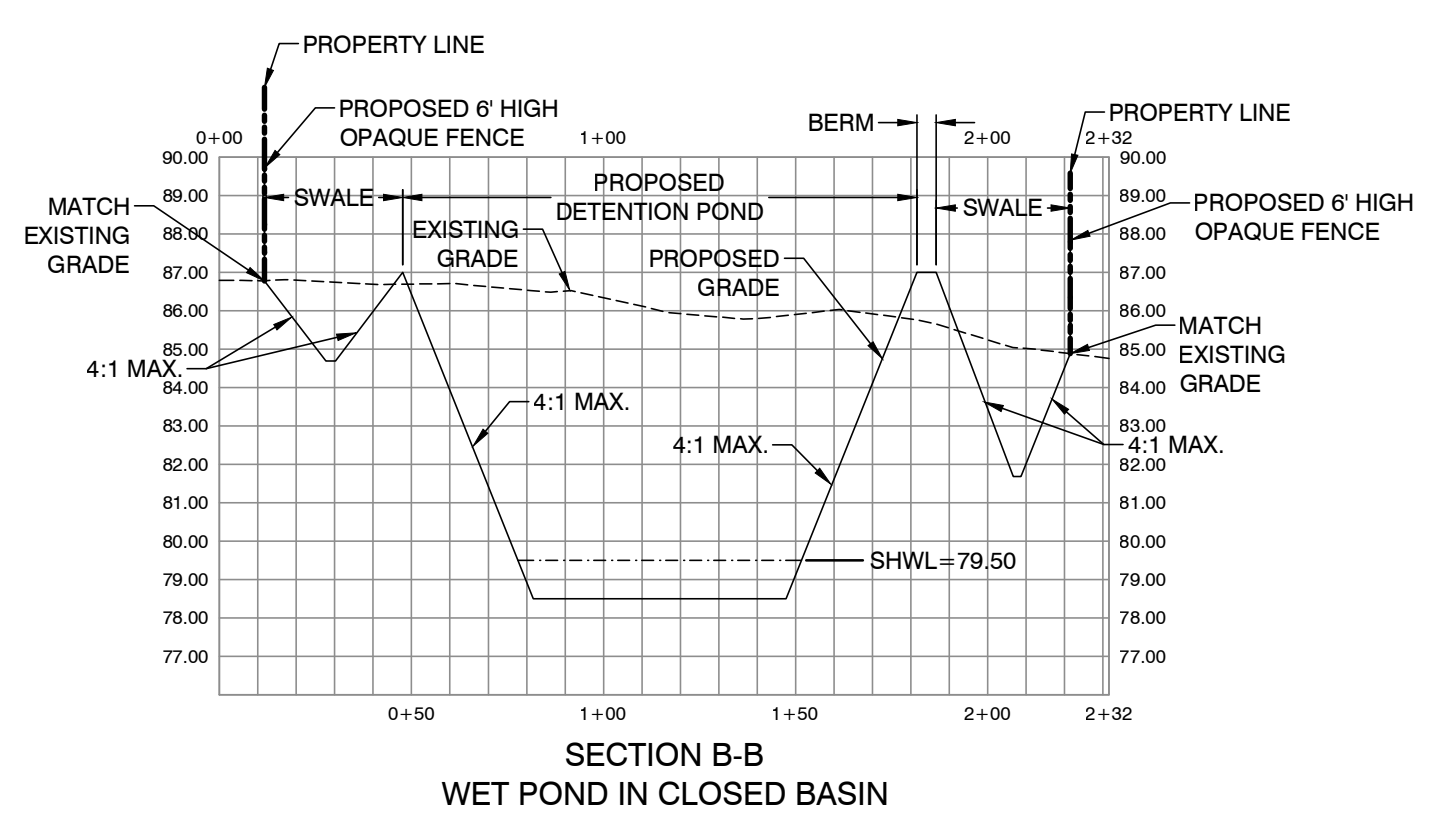
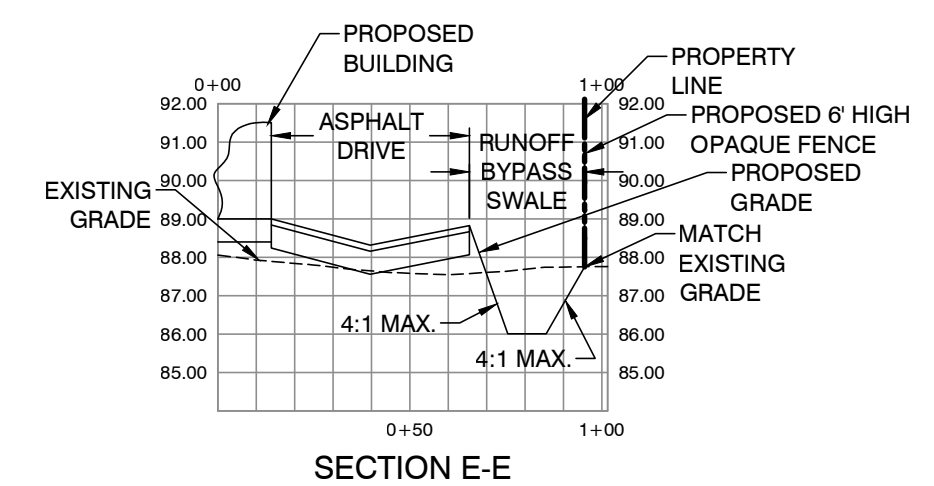
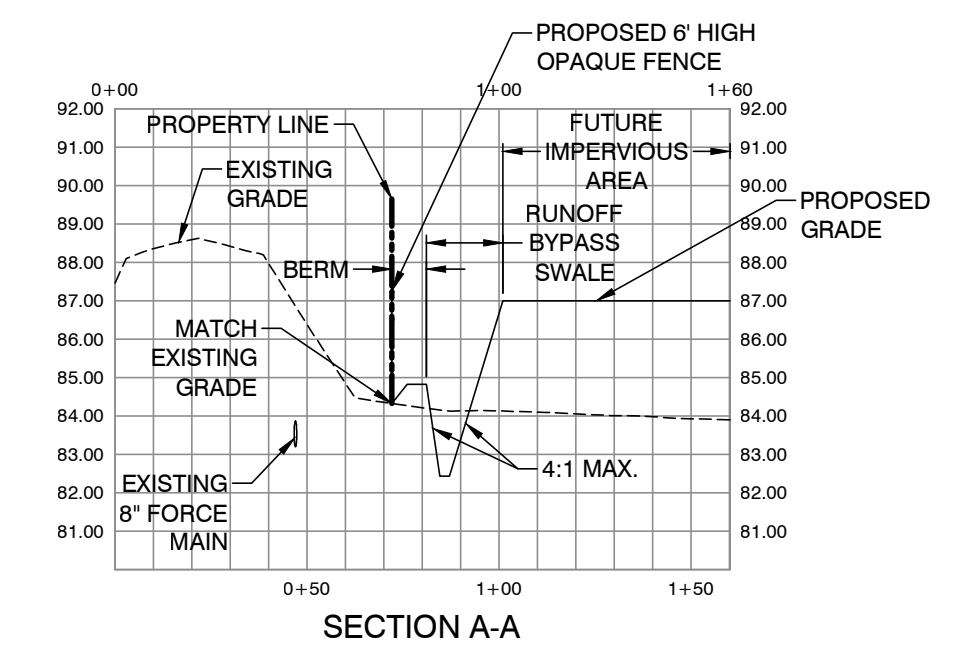
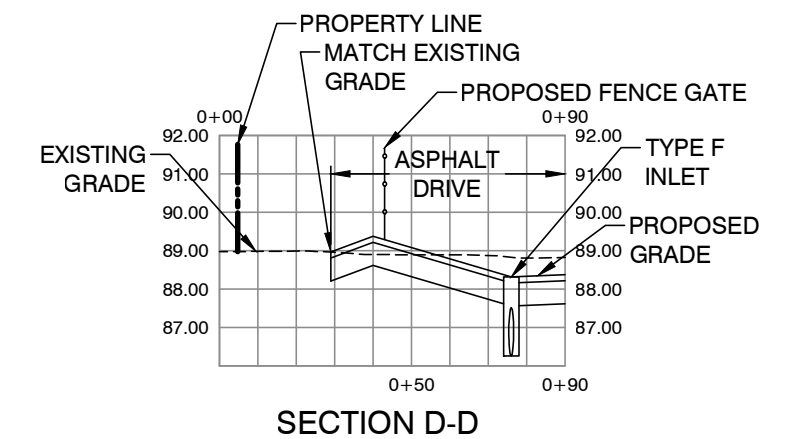
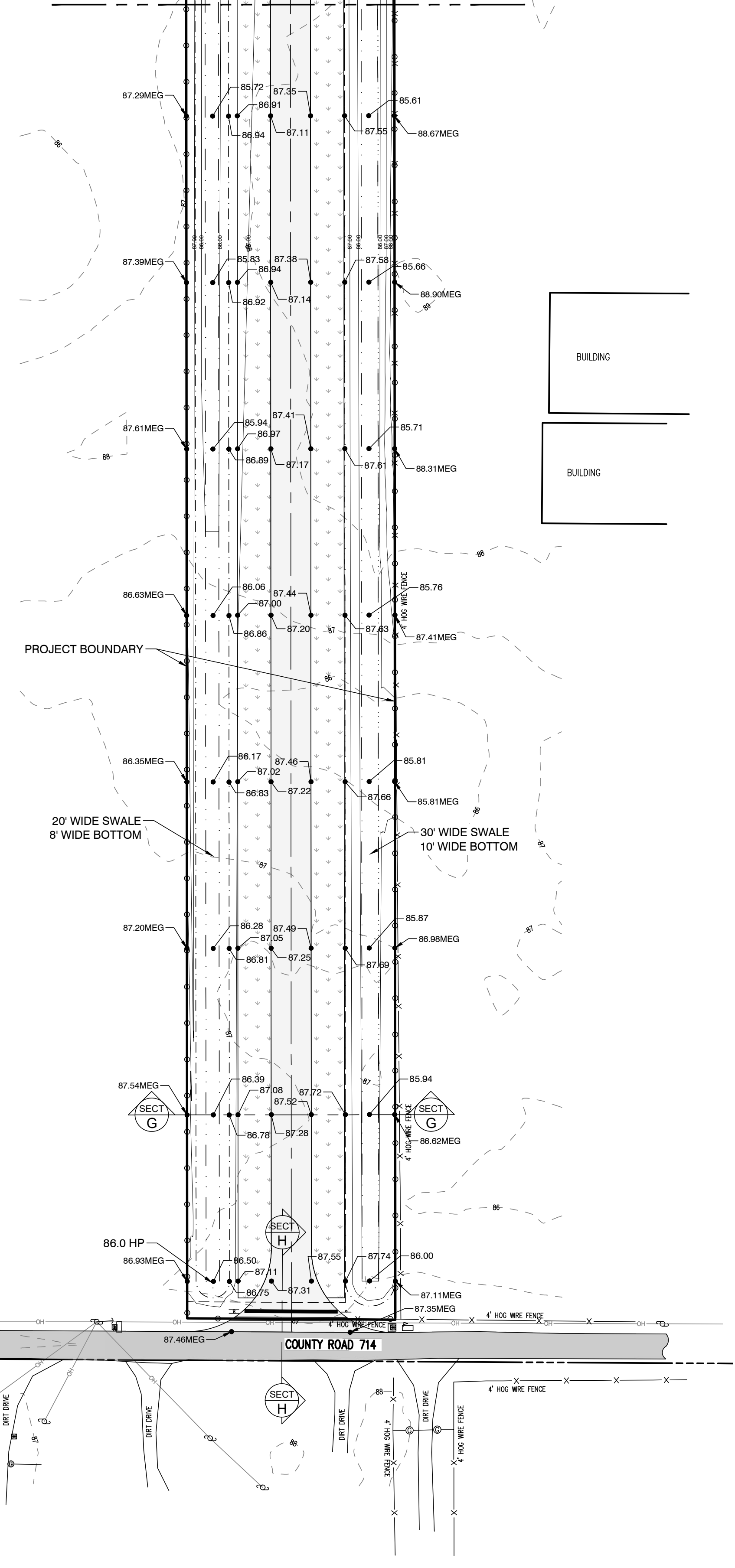
BUSHNELL TRUSS - WEBSTER PLANT
7795 STATE ROAD 471
WEBSTER, FL

SITE & UTILITY PLAN

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|------------|--------------|
| SAVE DATE | 3/13/2026 |
| DRAWN BY | DES |
| CHECKED BY | BAB |
| PROJECT # | EP2025.03370 |
| FILE NAME | 004-BTWP-SP |

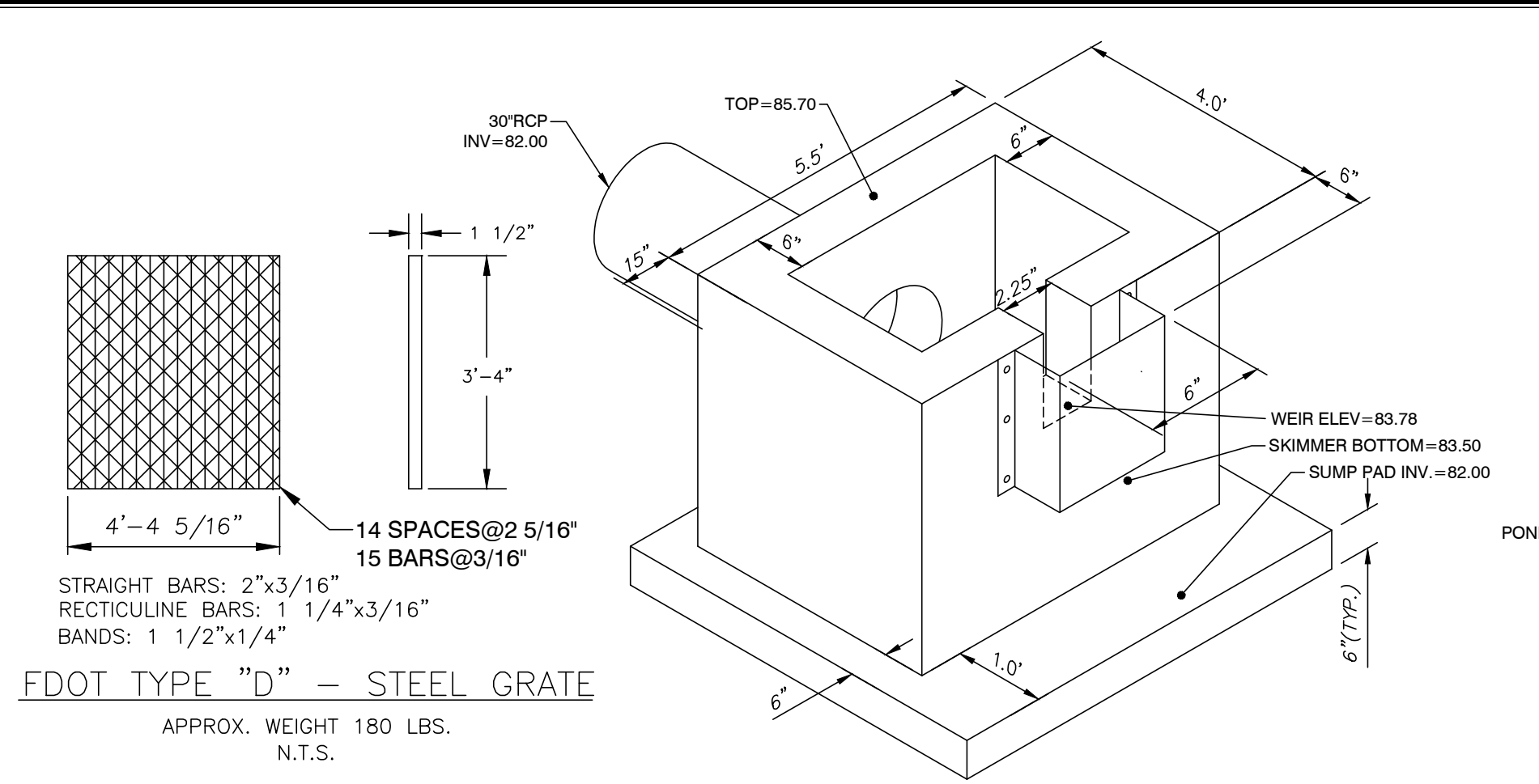
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MATCHLINE (SEE PREVIOUS SHEET)

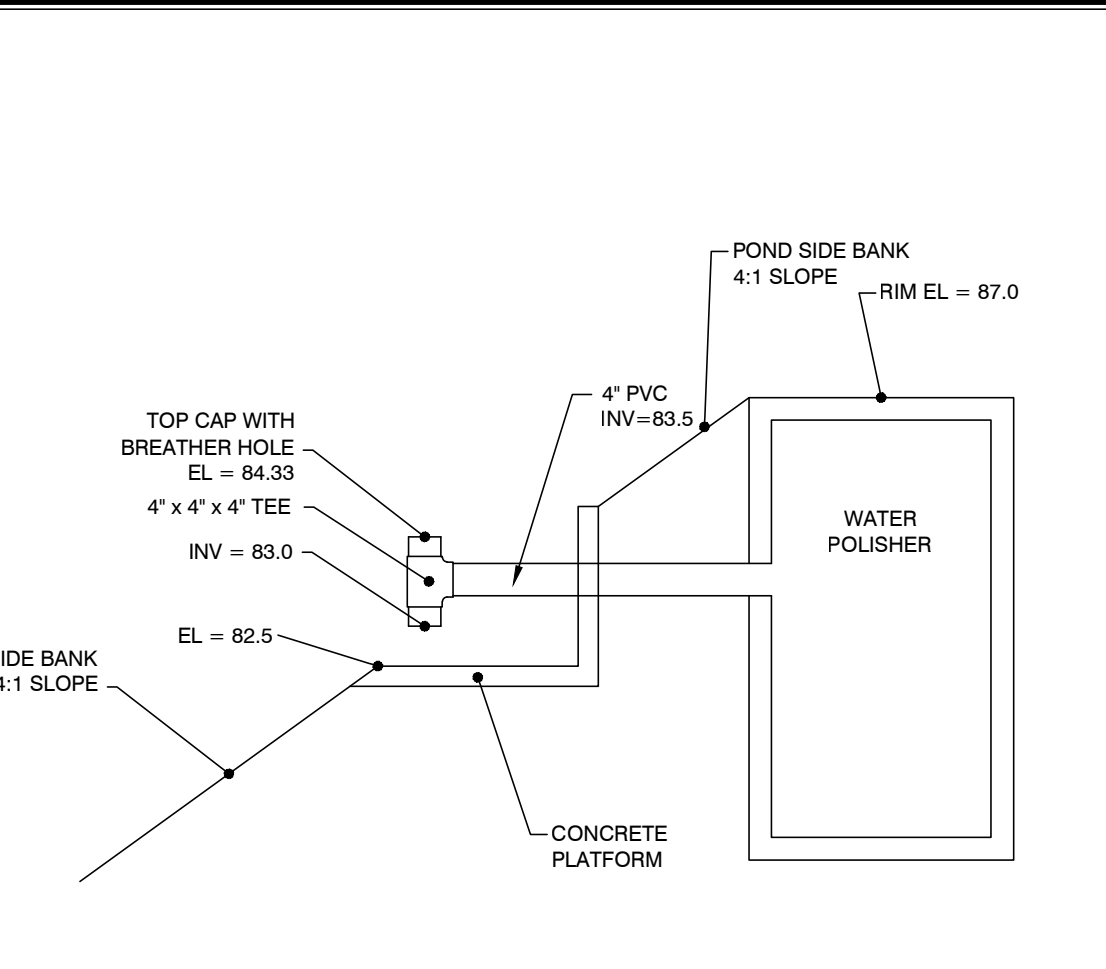


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| | |
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| BY | |
| REVISIONS | |
| DATE | |
| CLYMER FARNER BARLEY, INC. 7413 ALFORD AVE., MIDDLETON, FL 34762 (882)748-3126 | |
| BUSHNELL TRUSS - WEBSTER PLANT 7795 STATE ROAD 471 WEBSTER, FL PAVING GRADING & DRAINAGE PLAN | |
| SAVE DATE | 3/31/2026 |
| DRAWN BY | DES |
| CHECKED BY | BAB |
| PROJECT # | EP2025.03370 |
| FILE NAME | 005-BTWP-PGD |
| SHEET NUMBER | 08 |



OUTFALL CONTROL STRUCTURE
SCALE: N.T.S. MODIFIED FDOT TYPE "E"



WATER POLISHER INTAKE PIPE
SCALE: N.T.S.

| SITE SPECIFIC DATA* | | WP PERFORMANCE DATA | |
|-------------------------------|------------------------------|--------------------------------------|----------|
| PROJECT NUMBER | ----- | TREATMENT FLOW RATE (CFS) | 0.517 |
| PROJECT NAME | BUSHNELL TRUSS WEBSTER PLANT | MEDIA SURFACE AREA (SF) | 58 |
| PROJECT LOCATION | WEBSTER FL | LOADING RATE (GPM/SF) | 4.00 |
| STRUCTURE ID | ----- | TOTAL SEDIMENT STORAGE CAPACITY (CF) | 150.00 |
| WATER QUALITY FLOW RATE (CFS) | 0.517 | | |
| PEAK FLOW RATE (CFS) | N/A | | |
| PEAK STORM DURATION (HOURS) | N/A | | |
| PIPE DIA. | 4" | MATERIAL | DIAMETER |
| INLET PIPE | 83.50 | | |
| OUTLET PIPE | 82.00 | | |
| RIM ELEVATION | 87.00 | H2O D | |
| SURFACE LOADING REQUIREMENT | 100 D | (C) #3" | |
| FRAME AND COVER | | | |
| KNOWN ORDNANCE ELEVATION | | | |

GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS, AND COORDINATES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS, AND ACCESSORIES PLEASE CONTACT CONTRACTOR UPON REQUEST.
- ALTERNATE NOTICES OR MANHOLES AVAILABLE UPON REQUEST.

INSTALLATION NOTES

- CONTRACTOR TO REMOVE ALL LABOR EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE UNIT AND APPURTENANCES IN ACCORDANCE WITH THE DRAWING AND THE MANUFACTURER'S SPECIFICATIONS UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT. MANUFACTURER'S REQUIREMENTS FOR 4"-12" (L) RIBBON RISE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
- ALL PIPES MUST BE FLOW WITH INSIDE SURFACE OF CONCRETE. PIPES CANNOT INTRUDE BEYOND FLOOR.
- ALL GAPS AROUND PIPES SHALL BE SEALED UNDERGROUT WITH A NON-SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PRE CONNECTION STANDARDS.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS AND MANHOLES. ALL COVERS SHALL BE SHIPPED LOOSE. CONTRACTOR TO GROUT ALL MANHOLES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.

NOTES:

- THIS INDEX APPLIES TO TWO-LANE, TWO-WAY AND MULTILANE ROADWAYS, INCLUDING MEDIAN OR DIVIDER ROADWAYS, WITH WORK ON THE SHOULDER.
- L = Taper Length
B = Buffer Length
See Index 102-600 for "L", "B", "W", and channelizing device spacing values.
- When work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
- When four or more work vehicles enter the through traffic lanes in a one hour period including establishing and terminating the work area, use a Flagger or Lane Closure to accommodate work vehicle ingress and egress.
- For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a Lane Closure.
- The "Speeding Fines Doubled when Workers Present" signs (TTC-011A-25) and "End Road Work" signs (W20-1F) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
- Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
- When there is no paved shoulder, the "Water" sign (W21-5a) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

WP-6-12-96 WATER POLISHER-UP FLOW MEDIA FILTER STANDARD DETAIL

GENERAL NOTES:

- Work this index with Index 425-001 and Index 425-010.
- Chamfer all exposed edges and corners 1/4" chamfer or tool to 1/4" radius.
- All reinforcing is Grade 60 Bars with 2" minimum cover unless otherwise noted. Cut or bend bars for 130° clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.
- Use Concrete Apron on inlets without slots and inlets with non-traversable slots only when called for in the Plans.
- Quantity is for informational and estimating purposes only.
- Slots are not permitted on sides with grate seats.

TABLE OF CONTENTS:

| Sheet | Description |
|-------|---|
| 1 | General Notes and Contents |
| 2 | Type C - Dimensional, Reinforcing, and Grate Details |
| 3 | Type D - Dimensional, Reinforcing, and Grate Details |
| 4 | Type E - Dimensional, Reinforcing, and Grate Details |
| 5 | Type H (2 & 3 Grate) - Dimensional, Reinforcing, and Steel Grate Details |
| 6 | Type H (4 Grate) - Dimensional, Reinforcing, and Steel Grate Details |
| 7 | Cast Iron Grate Details |
| 8 | Non-Traversable Inlet Details |
| 9 | Traversable Inlet Without Slot Details |
| 10 | Traversable Inlet With Slot Details |
| 11 | Case 1 - Add Traversable Slots to Existing Inlets |
| 12 | Case 2 - Add Traversable Slots (Partial) to Existing Inlets |
| 13 | Case 3 - Add Traversable Slots (Partial) to Existing Inlets and Ditch Block |
| 14 | Alternate A Structure Bottom - Top Slab Details |

TABLE 3 HORIZONTAL WALL REINFORCING SCHEDULE

| WALL DEPTH | SCHEDULE | AREA (in ² /ft) | MAX. SPACING | BAR | WWR |
|------------|----------|----------------------------|--------------|-----|-----|
| 0' - 5' | A12 | 0.20 | 12" | #4 | 8" |
| 0' - 7.5' | A6 | 0.20 | 6" | #4 | 5" |
| 7.5' - 10' | B5 | 0.24 | 5" | #3 | 5" |
| 10' - 15' | C8 | 0.37 | 4" | #3 | 6" |

NOTES:

- Grate, Concrete Apron, and Slot not shown on structure detail.
- See Sheet 8, 9, and 10 for Concrete Apron and Sill Detail.

NOTE:

- This index applies to Two-Lane, Two-Way and Multilane Roadways, including Median or Divider Roadways, with work on the shoulder.
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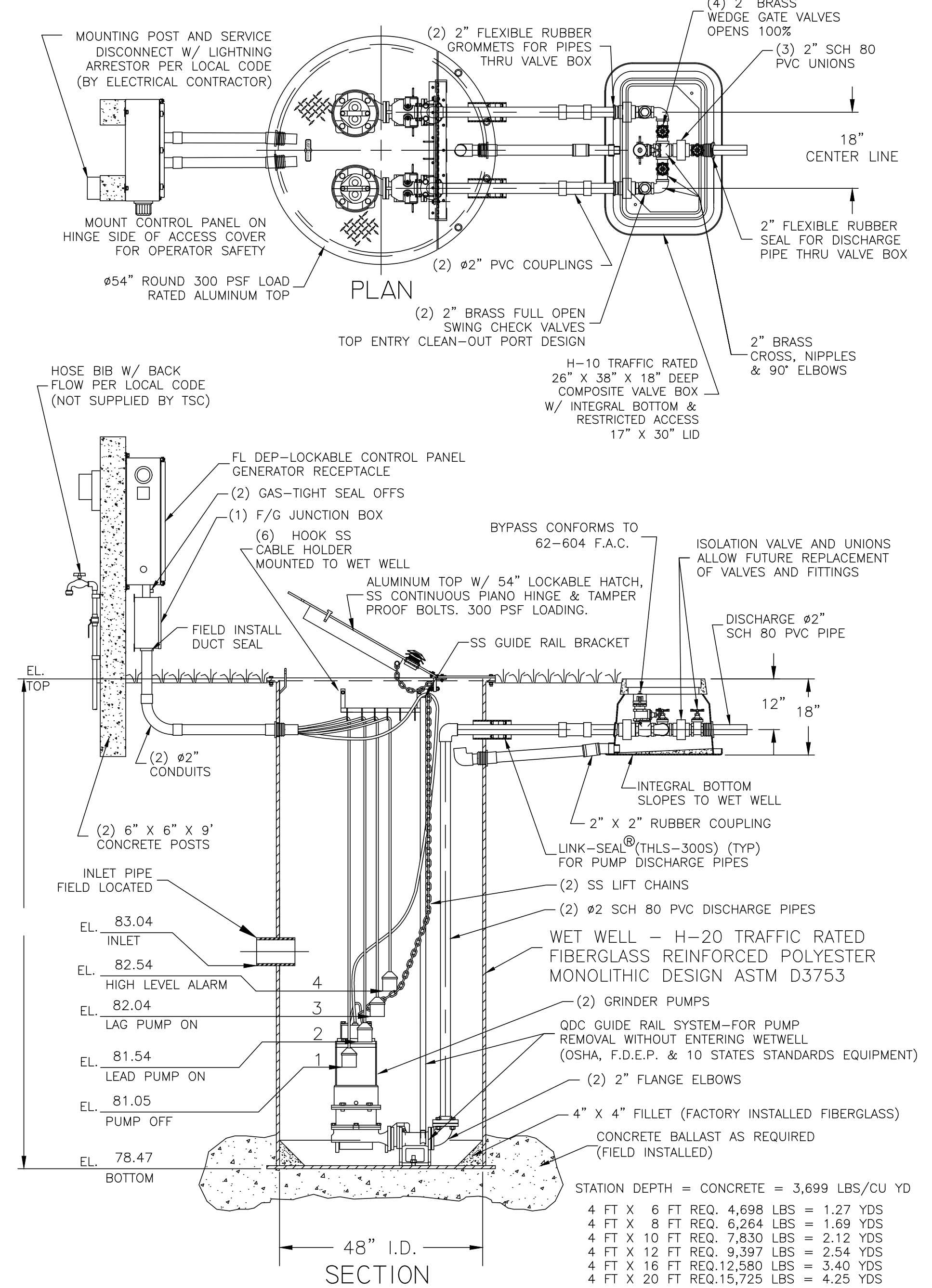
CFB
CLYMER FARNER BARLEY
7413 ALFORD AVE, MIDDLETON, FL 34762
(882)748-3126

BUSHNELL TRUSS - WEBSTER PLANT
7795 STATE ROAD 471
WEBSTER, FL

CONSTRUCTION DETAILS

SAVE DATE: 4/1/2026
DRAWN BY: DES
CHECKED BY: BAB
PROJECT #: EP2025.03370
FILE NAME: 007-BTWP-DETAILS

SHEET NUMBER 09



48" DUPLEX STATION - 2" PIPING
WITH SLIDE RAIL SYSTEM, V.B. AND F.D.E.P. PANEL
TSC PRE-FAB PUMP SOLUTIONS

2. GROUT FILLET (1 TO 1 SLOPE TO "HOPPER" BOTTOM)
 1. HOSE BIBB WITH REDUCED PRESSURE BACK FLOW PREVENTER
 FIELD INSTALL BY CONTRACTOR

JOB: _____

QS: _____

GENERAL NOTES

FURNISH AND INSTALL LIBERTY SUBMERSIBLE GRINDER PUMPS:
 DESIGN CONDITION:

| | | | |
|-----------|----------------|-------|----------|
| MODEL | LGH | 10 | HP |
| GPM | 32 | 195 | FT/TDH |
| VOLTAGE | 208/230 OR 460 | THREE | PHASE |
| DISCHARGE | 2" | 7.5" | IMPELLER |

- SEWAGE GRINDER PUMP:**
- RATED FOR FIFTEEN (15) STARTS PER HOUR.
 - OIL FILLED MOTOR DESIGNED FOR SEWAGE APPLICATION WITH CLASS H INSULATION.
 - DUAL MECHANICAL SHAFT SEALS (SILICON CARBIDE / SILICON CARBIDE)
 - HIGH TEMPERATURE BALL BEARINGS B-10 RATING OF 100,000 HOURS, UPPER - SINGLE ROW, LOWER - DOUBLE ROW
 - PUMP SHAFT HORSEPOWER (BHP) SHALL NOT EXCEED MOTOR RATED HORSEPOWER THROUGHOUT THE ENTIRE OPERATING RANGE OF THE PUMP PERFORMANCE CURVE.
 - MOTORS SHALL BE DUAL WOUND AND CAPABLE OF OPERATING ON 208/230 VOLT WITH A 10% TOLERANCE VOLTAGE (190 TO 260) OR OPERATE ON 460 VOLT BY CHANGING THE MOTOR LEADS INSIDE THE PUMP.

FIBERGLASS WET WELL: SHALL BE A ONE PIECE UNIT WITH INTEGRAL BOTTOM, WALL AND UPPER FLANGE. THE ENTIRE FIBERGLASS WET WELL SHALL HAVE A DYNAMIC LOAD RATING OF 16,000 FT/LBS. EACH UNIT MUST BE SERIAL NUMBERED TO IDENTIFY THE TEST PROCEDURE. ASTM D 9753 & H-20 SPECIFICATIONS SHALL BE REQUIRED AS MINIMUM.

ALUMINUM HATCH: TSC MODEL-54FM (54") ROUND WITH LOCKABLE HATCH, REINFORCED FOR LOAD RATING OF 300 LBS/FT WITH HOLD OPEN SAFETY ARM, LOCKING DEVICE FOR HASP TYPE PADLOCK AND STAINLESS STEEL HARDWARE.

VALVE BOX: FIBERGLASS COMPOSITE (H-10 TRAFFIC RATED) WITH INTEGRAL BOTTOM. (FOR 1 1/4" AND 2" DISCHARGE PIPING SXS HEADER SYSTEM) SHALL BE 26" X 38" X 18" WITH 17" X 30" LIMITED ACCESS LID

ACCESSORIES: #304 S/S - GUIDE RAILS, UPPER GUIDE RAIL BRACKETS, CABLE HOLDER, ANCHOR BOLTS AND PUMP LIFTING CHAINS.

VALVES: SHALL BE SEWAGE SERVICE DESIGN BRASS SWING CHECK VALVES WITH TOP ENTRY CLEAN-OUT PORT AND BRASS WEDGE GATE VALVES OPEN 100%.

PIPING: 2" SCHEDULE 80 PVC.

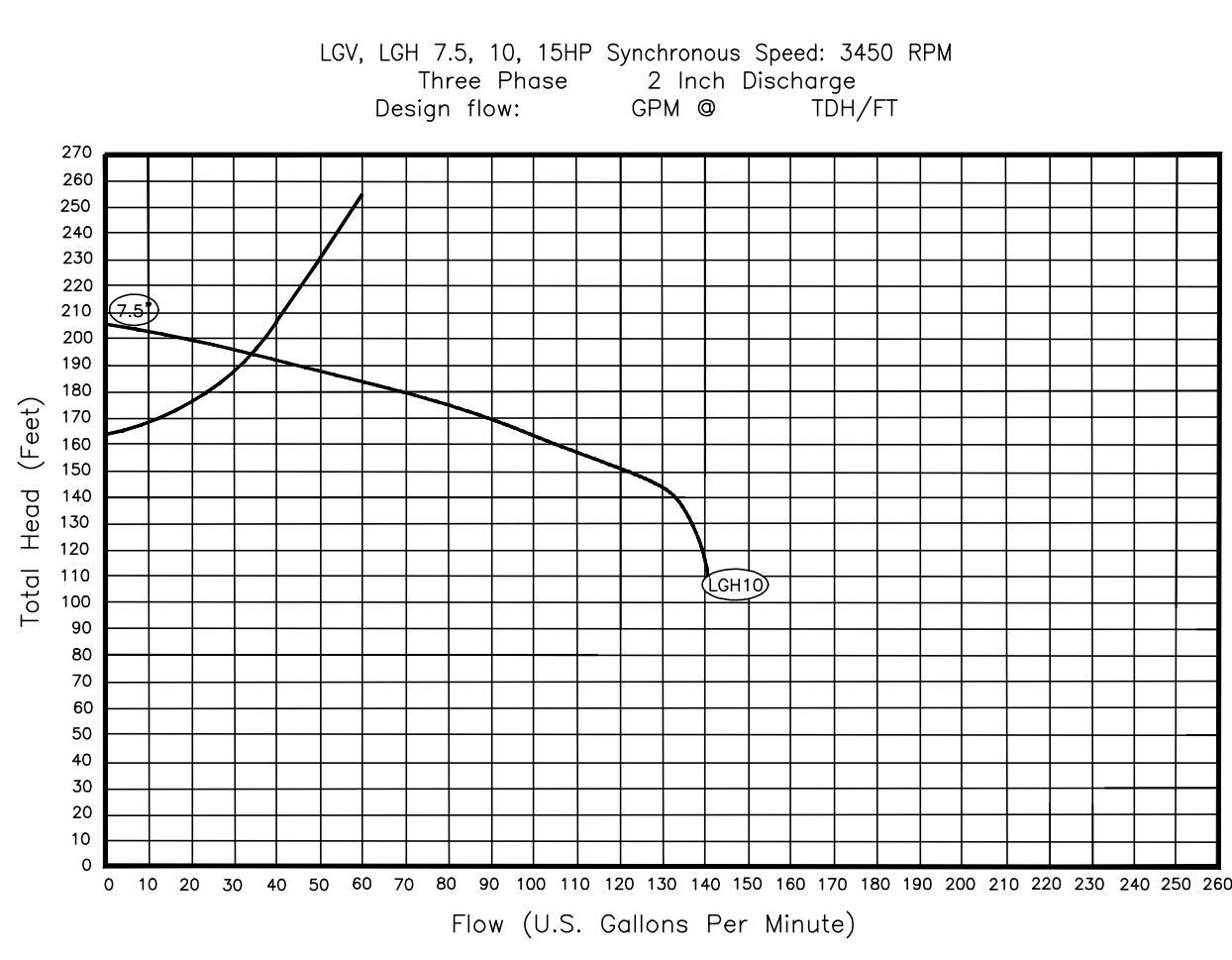
FLOAT SWITCHES: UL LISTED SJ ELECTRO MODEL (SJ 30 SWENO).

PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, CONTROL PANEL, JUNCTION BOX, FLOAT SWITCHES, ALUMINUM HATCH AND ACCESSORIES TO INSURE PROPER OPERATION AND WARRANTY.

THE COMPLETE PACKAGE PUMPING STATION SHALL HAVE PUMP BASES, SLIDE RAIL ASSEMBLIES AND DISCHARGE PIPING ASSEMBLED BY TECHNICAL SALES CORPORATION READY TO SHIP FOR FIELD INSTALLATION. THE MANUFACTURER OF PRE-FAB PUMP SOLUTIONS®.

TECHNICAL SALES CORPORATION, 4621 N. HALE AVE TAMPA, FL 33614 (813)876-9256

LIBERTY ENGINEERED PRODUCTS



PUMP PERFORMANCE CURVE

CONTROL PANEL - SHALL CONFORM TO FL DEP 62-604 F.A.C.

CONTROL PANEL SHALL BE TSC MODEL # 38-D IN NEMA 4X FIBERGLASS ENCLOSURE. THE PANEL SHALL MEET STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), ENVIRONMENTAL PROTECTION COMMISSION (EPC) AND LOCAL CODE REQUIREMENTS GOVERNING PRIVATE LIFT STATIONS.

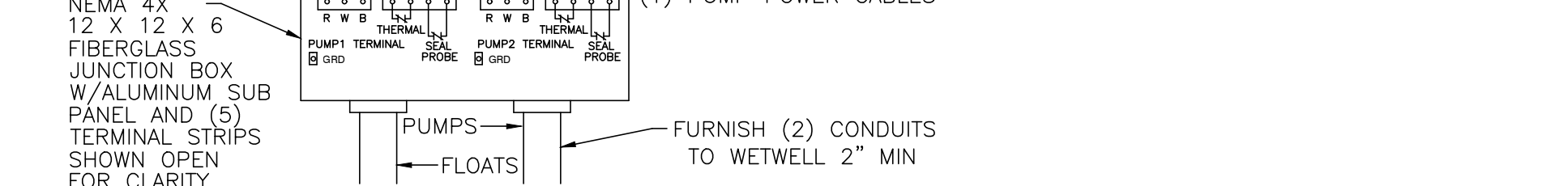
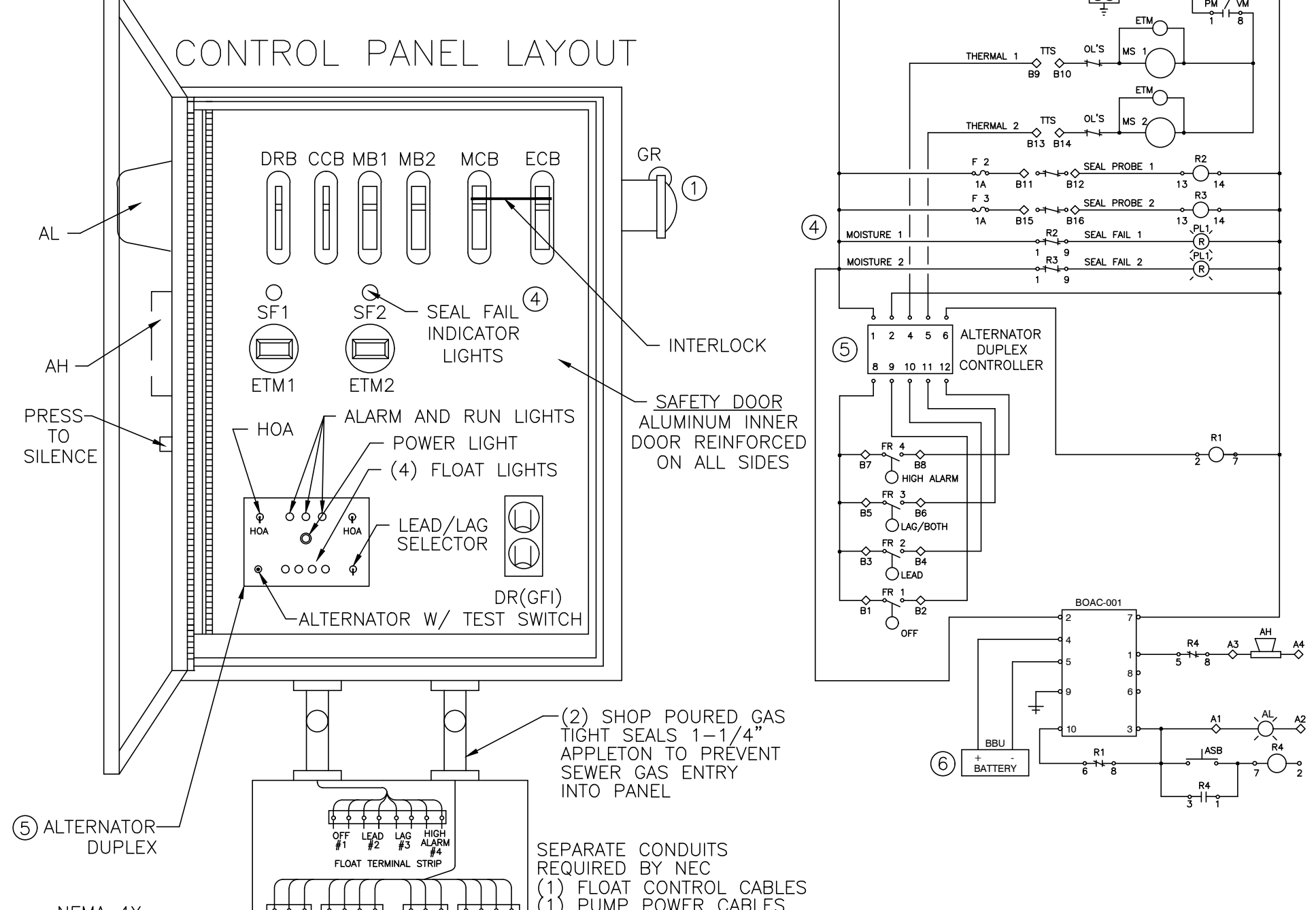
FLOAT SWITCHES AND CONTROL SYSTEM SHALL BE UL LISTED AND INTRINSICALLY SAFE. ALL COMPONENTS SHALL BE UL LISTED.

A JUNCTION BOX IS REQUIRED, WITH SHOP POURED SEALS BETWEEN BOX AND CONTROL PANEL TO PREVENT SEWER GAS ENTRY INTO CONTROL PANEL.

ELECTRICAL CONTRACTOR TO PROVIDE SERVICE DISCONNECT WITH LIGHTNING ARRESTOR MOUNTED PER LOCAL CODES.

THE CONTROL PANEL SHALL BE SUITABLY INSTALLED TO PREVENT SETTLING OR TIPPING.

BATTERY BACK-UP ALARM SYSTEM TO BE INCORPORATED INTO CONTROL PANEL PER THE "10 STATES STANDARDS"



PANEL WIRING DIAGRAM

- PANELS SHALL CONFORM TO FLORIDA DEP 62-604 F.A.C.
- GENERATOR RECEPTACLE FOR EMERGENCY POWER CONNECTION WITH INTERLOCK
 - SURGE PROTECTION AND LIGHTNING PROTECTION ON ALL INCOMING LEGS
 - PHASE PROTECTION SHALL BE PROVIDED
 - SHAFT SEAL FAIL DETECTION
 - ALTERNATOR W/TEST SWITCH
 - BATTERY BACK-UP UNIT
- PANEL MANUFACTURER SHALL BE A "UL" LISTED SHOP.

TSC DUPLEX PUMP STATION
 FIBERGLASS WET WELL

TECHNICAL SALES CORPORATION
 TSC PRE-FAB PUMP SOLUTIONS®
 WATERWORKS & WASTEWATER SPECIALTIES

Representing Innovative Manufacturers
 MODEL TSCE2-48.3®

4621 N. HALE AVENUE PH (813)876-9256
 TAMPA, FL 33614 FAX (813)874-1194
 EMAIL: Sales@TSCtampa.com
 REV-21 SCALE: N.T.S.

| | | |
|-----------|------|----|
| REVISIONS | DATE | BY |
| | | |
| | | |

CLYMER FARNER BARLEY
CFB
 CLYMER FARNER BARLEY, INC.
 7413 ALFORD AVE. MIDDLETON, FL 34762
 (882)748-3126

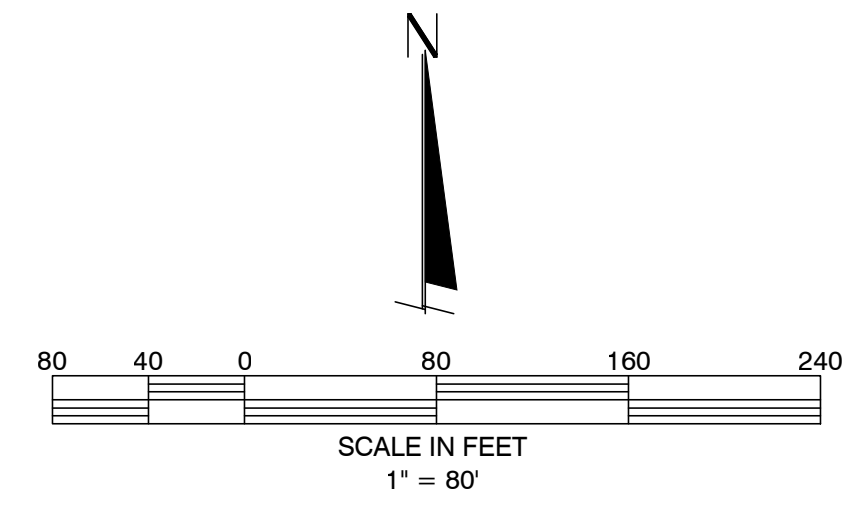
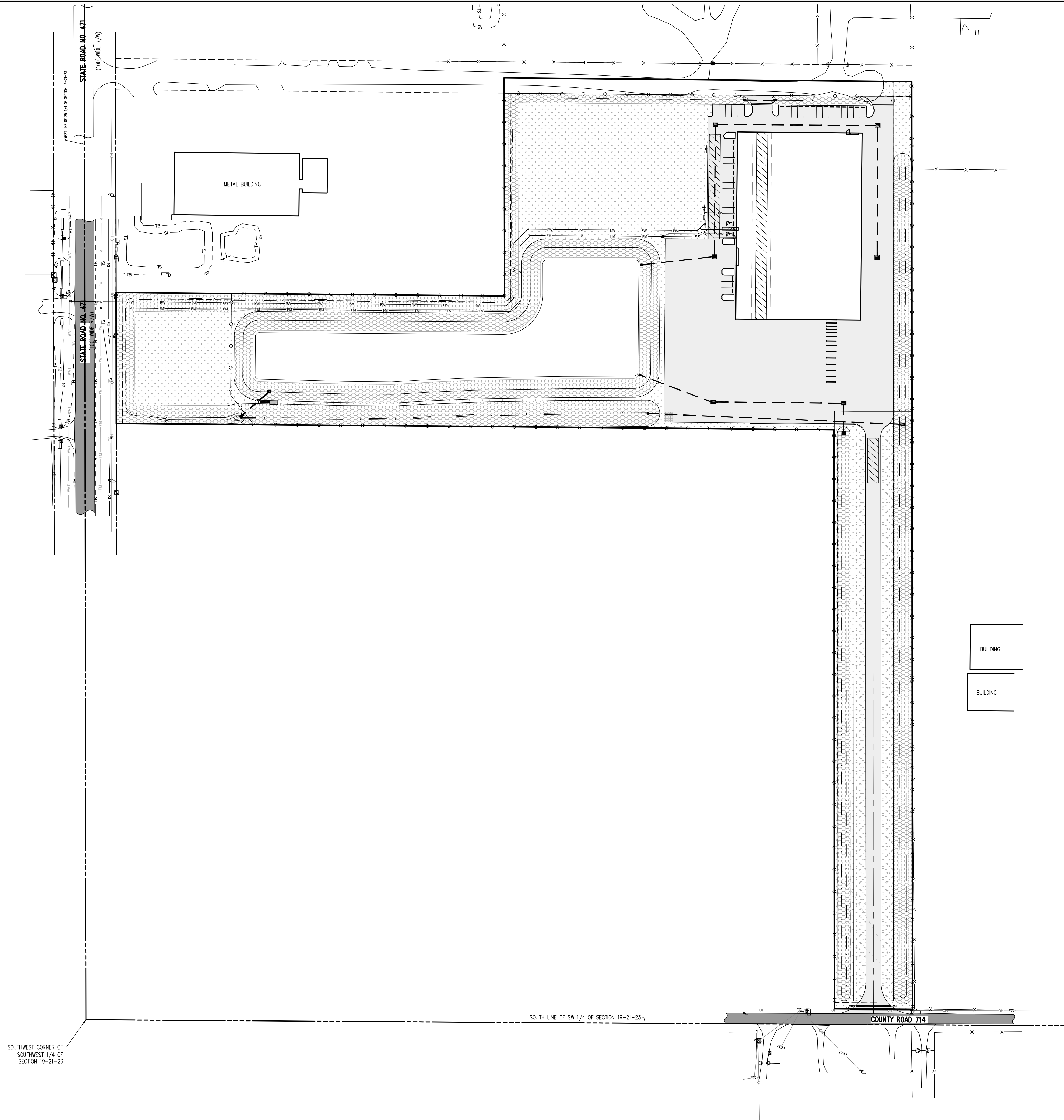
BUSHNELL TRUSS - WEBSTER PLANT
 7795 STATE ROAD 471
 WEBSTER, FL

LIFT STATION DETAILS

SAVE DATE 4/1/2026
 DRAWN BY DES
 CHECKED BY BAB
 PROJECT # EP2025.0370
 FILE NAME 007-BTWP-DETAILS

SHEET NUMBER 11

| LEGEND | |
|--------|------------------------|
| | ASPHALT MILLINGS |
| | ASPHALT PAVEMENT |
| | FUTURE IMPERVIOUS AREA |
| | GRASS AREA |



| LEGEND | |
|--------|--------------|
| | SEED & MULCH |
| | U.C. BAHIA |

- NOTES:
1. ALL AREAS SEEDED OR SODDED SHOULD BE WATERED UNTIL THE PLANTINGS ARE ESTABLISHED.
 2. ALL SOD PLACED ON POND BANKS AND SWALE SIDE SLOPES IS TO BE PINNED.

| REVISIONS | DATE | BY |
|-----------|------|----|
| | | |
| | | |
| | | |
| | | |

CFB
CLYMER FARNER BARLEY
7413 JALOPED AVE. MIDDLETON, FL 34762
(852) 748-3126

BUSHNELL TRUSS - WEBSTER PLANT
7795 STATE ROAD 471
WEBSTER, FL

GRASSING PLAN

| | |
|------------|----------------|
| SAVE DATE | 2/20/2026 |
| DRAWN BY | DES |
| CHECKED BY | BAB |
| PROJECT # | EP2025.03370 |
| FILE NAME | 008-BTWP-GRASS |

| | |
|--------------|----|
| SHEET NUMBER | 12 |
|--------------|----|

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