

CONSTRUCTION PLANS PHASE 1 - CARICA CONNECTION VANDERBILT BEACH RD & AIRPORT PULLING TRANSMISSION WATER MAIN IMPROVEMENT

FOR

COLLIER COUNTY PUBLIC UTILITIES

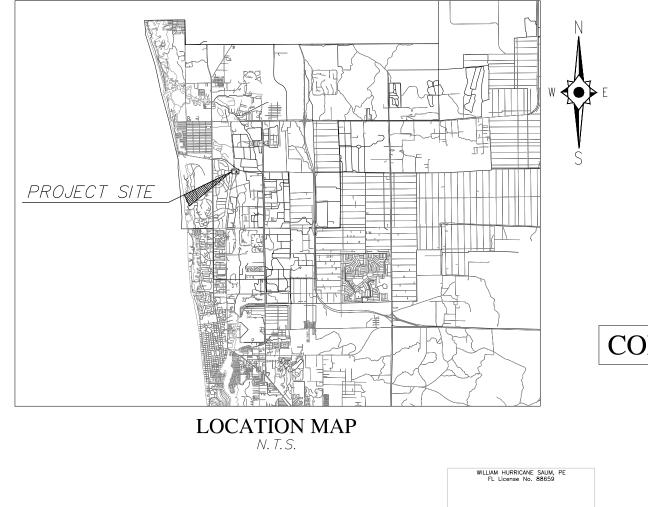
LOCATED IN

SECTION 03; TOWNSHIP 49 SOUTH; RANGE 25 EAST

COLLIER COUNTY, FLORIDA

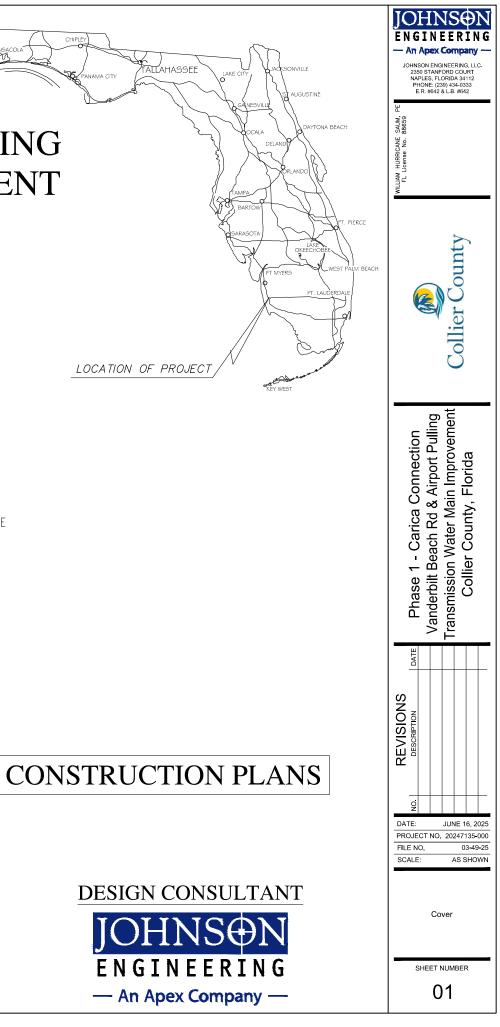
JUNE 16, 2025

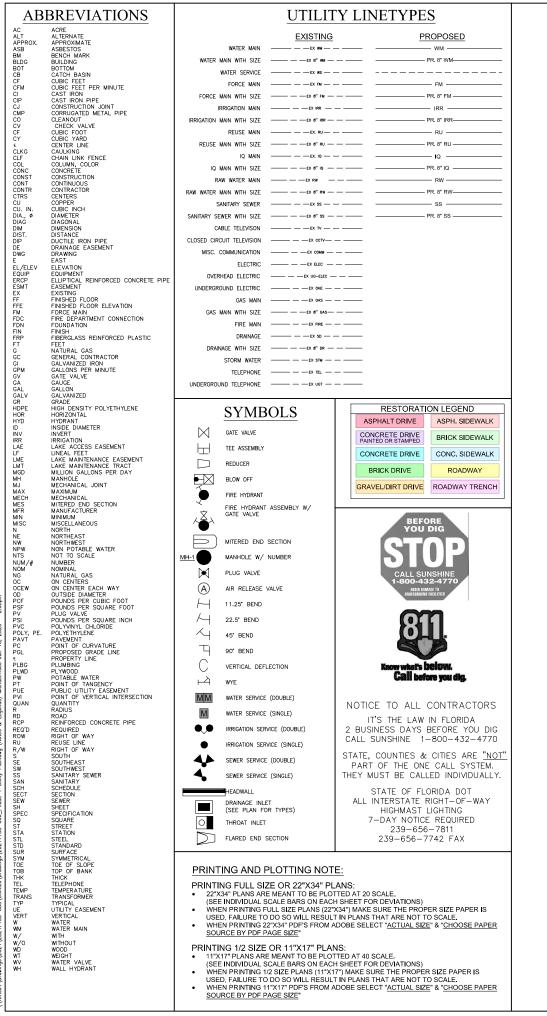
COLLIER COUNTY CONTRACT NO. 23-8193 COLLIER COUNTY DESIGN PROJECT NO. 70268.1, 70285.1, 70286.1 COLLIER COUNTY CONSTRUCTION PROJECT NO. TBD



For Information Regarding	
This Project, Contact:	
WILLIAM HURRICANE SAUM,	PE

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GENERAL NOTES:

- 1. ALL ELEVATIONS REFER TO NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD88) ONVERSION FROM NAVD88 TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) IS AS FOLLOWS: NAVD88 + 1.24 = NGVD29
- THE CONTRACTOR SHALL POTHOLE TO LOCATE (HORIZONTALLY AND VERTICALLY) ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE COUNTY. EXTREME CAUTION TO BE USED WHEN EXCAVATING, AS NUMBER AND LOCATION OF EXISTING UTILITIES ARE BASED ON RECORD INFORMATION THAT HAS NOT BEEN FIELD VERIFIED.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION TO PROTECT ANY EXISTING UTILITIES. DAMAGE TO EXISTING UTILITIES AND PROPERTY DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE COUNTY.
- 4. THE CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY OWNERS PRIOR TO THE BEGINNING OF CONSTRUCTION AND COORDINATE WITH ALL UTILITY OWNERS IN THE AREA PRIOR TO AND DURING CONSTRUCTION
- 5. EXISTING FACILITIES INCLUDING FENCES, GATES, UNDERGROUND PIPING, CONDUITS, DRIVEWAYS, SIDEWALKS, UTILITIES AND OTHER EXISTING FACILITIES SHALL BE RESTORED TO A CONDITION EQUAL OR BETTER THAN WHAT EXISTED PRIOR TO COMMENCING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE COUNTY.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE/REPAIR ANY EXISTING LANDSCAPING/PRIVATE IMPROVEMENTS WITHIN THE R/W OR WORK AREA, E.G. SOD, BUSHES, AND TREES, SPRINKLER PIPING, SPRINKLER HEADS, IRRIGATION SYSTEMS, AND FENCING THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COSTS TO THE OWNER. CONTRACTOR TO REPLACE OR REPAIR DAMAGED PROPERTY OR IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL TEMPORARILY CONNECT IRRIGATION COMPONENTS DURING CONSTRUCTION TO ENSURE IRRIGATION SYSTEMS CONTINUED USE DURING CONSTRUCTION
- 7. ANY SURVEY MONUMENTS INCLUDING PROPERTY CORNERS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE ANT SOLVET INFORMENTS INCLOUND REPORT FOUNDARY INFORM THE LIMITS OF CONSTRUCTION ARE TO BE REPORTECTED. IF A MONUMENT IS IN DANGER OF BEING DISCUSSED, THE CONTRACTOR SHALL PROPERLY REFERENCE ITS LOCATION AND RESET THE MONUMENT AS REQUIRED BY THE CONTRACTOR'S FLORIDA LICENSED SURVEYOR, AT NO ADDITIONAL COST TO THE OWNER.
- 8. THE CONTRACTOR IS REQUIRED TO ADJUST ALL VALVE BOXES, MANHOLE RIMS, GRATES, ETC, AS NECESSARY TO MATCH PROPOSED GRADES PAVEMENT AROUND VALVES, MANHOLES, AND METER BOXES SHALL BE FLUSH WITH ACCESS TO ALL UTILITIES MAINTAINED AT ALL TIMES. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK AS THE COST IS INCIDENTAL TO THE COST OF CONSTRUCTION.
- 9. CONTRACTOR SHALL RELOCATE OR ADJUST MAILBOXES, MANHOLES, VALVES, GRATES, SIGNS, ETC. IN CONFLICT WITH THE PROPOSED CONSTRUCTION AND SHALL REPAIR ADJUST AND/OR REPLACE ITEM AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER. MAILBOXES REMOVED OR DAMAGED DURING REPLACE THEM SINCESSART AT NO ADDITIONAL OSCI REINSTALLED AND/OR REPLACED PER FDOT STANDARD INDEX NO. 532 OR TO MATCH THE PRECONSTRUCTION CONDITION AS APPROVED BY THE OWNER. TEMPORARILY REPLACED AND/OR REINSTALLED MAILBOX SHALL BE INSTALLED PER USPS GUIDELINES (41-45" ABOVE GRADE TO BOTTOM OF MAILBOX WITH THE FRONT OF THE MAILBOX 6-8" FROM THE EDGE OF PAVEMENT)
- 10. THE CONTRACTOR SHALL NOTIFY THE COUNTY PROJECT MANAGER OF ANY ENCROACHMENT ONTO PRIVATE PROPERTY A MINIMUM OF 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 11. THE CONTRACTOR SHALL NOTIFY COLLIER COUNTY UTILITIES DEPARTMENT AT LEAST 10 CALENDAR DAYS IN ADVANCE OF ALL PLANNED SERVICE INTERRUPTIONS & REQUESTS FOR VALVE OPERATION AND RECEIVE COUNTY PROJECT MANAGER'S APPROVAL BEFORE PROCEEDING WITH PLANNED INTERRUPTIONS. ONLY COUNTY EMPLOYEES ARE PERMITTED TO OPERATE VALVES
- 12. THE CONTRACTOR SHALL PROVIDE A 10 DAY WRITTEN NOTICE TO THE ENGINEER OF RECORD, OWNER'S CEI REPRESENTATIVE, AND COLLIER COUNTY PROJECT MANAGER PRIOR TO THE FOLLOWING ACTIVITIES:
- a. COMMENCEMENT OF CONSTRUCTION b. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, AND RESIDENT SUPERINTENDENT
- WATER SYSTEM
- HOT TAPS PRESSURE TESTS
- CHLORINATION OF WATER MAINS
- FLUSHING
- BACTERIOLOGICAL SAMPLING FINAL CONNECTION OF NEW MAINS BEGINNING AC PIPE REMOVAL
- FINAL ABANDONMENT OF EXISTING MAINS
- WATER SERVICE AND WATER METER SWITCH OVER BACKFLOW DEVICE INSTALLATION
- d WASTEWATER SYSTEM
- TESTING OF BYPASS PUMP STATION INFILTRATION/EXFILTRATION TESTS
- LAMPING OF SEWER LINE
- TELEVISION VIDEO TAPING OF SEWER LINES
- 13. CONTRACTOR TO PROVIDE SILT FENCE, STACKED SYNTHETIC BALES AND OTHER APPROPRIATE MEASURES TO AFFECT THE FILTRATION OF SURFACE WATER FLOWS AND TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES. PROTECTION IS TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOILS HAVE BEEN STABILIZED WITH GRASS OR SUITABLE EROSION PROTECTION TREATMENT

14 EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION

- 15. SHOP DRAWINGS FOR ANY EQUIPMENT AND MATERIAL MUST BE APPROVED BY EOR AND COLLIER COUNTY PRIOR TO ABRICATION AND INSTALLATIO
- 16. CONTRACTOR SHALL RETAIN, ON THE WORK SITE, COPIES OF ALL PERMITS NECESSARY FOR CONSTRUCTION
- 17. CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER OF RECORD AND COUNTY PROJECT MANAGER WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS. ALL PROPOSED AND APPROVED DEVIATIONS SHALL BE AT NO ADDITIONAL COST TO THE COUNTY.
- CONTRACTOR SHALL REPORT ALL FIELD CHANGES TO THE ENGINEER OF RECORD, CEI REPRESENTATIVE, AND COUNTY PROJECT MANAGER WITHIN 24 HOURS.

- ESTABLISHED/ROOTED.

- DURATION OF THE PROJECT.
- SPECIFICATIONS
- RENEWAL AS REQUIRED.
- OF A BREAK

- APPLICABLE REGULATIONS
- AREAS
- ON THEIR PERSON, CLEARLY DISPLAYED, AT ALL TIMES.

- CLEAN AND INSTALLED IN THE TRENCH

19. CLEARING AND GRUBBING SHALL BE LIMITED TO THE RIGHT-OF-WAY ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS DISTURBED BY THEIR WORK. ALL DISTURBED AREAS SHALL BE SODDED TO MATCH EXISTING CONDITIONS WITH SOD SET NO MORE THAN ½" BELOW ADJACENT DRIVEWAYS, NEWLY INSTALLED SOD SHALL BE WATERED WHATEVER REASON, CONTRACTOR SHALL BE REQUIRED TO BE REMINISTALLED DURING THE COURSE OF CONSTRUCTION FOR WHATEVER REASON, CONTRACTOR SHALL BE REQUIRED TO WATER REINSTALLED SECTIONS UNTIL THEY ARE

20. AFTER SUBSTANTIAL COMPLETION AND PRIOR TO FINAL COMPLETION. THE CONTRACTOR SHALL ACCURATELY RECORD AND PLOT THE LOCATIONS AND DEPTHS OF ALL IMPROVEMENTS INSTALLED ON A FINAL SET OF RECORD DRAWINGS WHICH SHALL BE DELIVERED TO THE ENGINEER OF RECORD, CEI REPRESENTATIVE, AND COLLIER COUNTY.

21. SURVEY LAYOUT AND RECORD DRAWINGS ARE TO BE PERFORMED BY A FLORIDA LICENSED LAND SURVEYOR PROVIDED BY THE CONTRACTOR AND SHALL INCLUDE PROPERTY CORNERS AND RIGHT-OF-WAY LINES. ALL ELEVATIONS MUST REFER TO N.A.V.D.-88. AS-BUILTS/RECORD DRAWINGS SHALL INCLUDE VALVE & HYDRANT MANUFACTURER, SIZE, & MODEL NUMBER. IN ADDITION TO THE SURVEYED RECORD DRAWINGS, THE CONTRACTOR SHALL PROVIDE THE ENGINEER A COMPLETE SET OF REDLINES DEPICTING ALL CHANGES MADE TO THE CONTRACT DRAWINGS.

22. CONTRACTOR SHALL STAKE THE LOCATION OF EACH PROPERTY CORNER AT THE RIGHT-OF-WAY LINES, PROPERTY LINES, AND EASEMENT LINES ALONG THE ENTIRE PROJECT WITHIN 10 DAYS OF NTP AND MAINTAIN THE STAKES THROUGHOUT THE

23. CONTRACTORS WILL BE RESPONSIBLE FOR STORING ALL MATERIALS FOR THE PROJECT, INCLUDING ALL MATERIALS PURCHASED BY COLLIER COUNTY IN A SECURED, FENCED IN STORAGE AREA. CONTRACTOR IS TO PROVIDE LEASE AGREEMENT WITH PROPERTY OWNER, RIGHT-OF-WAY PERMITS, AND TEMPORARY USE PERMITS TO THE ENGINEER AND COUNTY WITHIN TEN (10) DAYS OF THE ISSUED NOTICE TO PROCEED, NO MATERIAL MAY BE STORED WITHIN THE RIGHT-OF-WAY, ALL MATERIAL STORED SHALL BE COVERED, PER THE MANUFACTURER'S RECOMMENDATIONS AND COUNTY

24. ALL STORAGE LOTS USED FOR THE PROJECT MUST BE MAINTAINED DAILY INCLUDING, BUT NOT LIMITED TO; MOWING AND WEEDING, LITTER REMOVAL, FENCE AND SCREEN REPAIR AS NEEDED, DAILY SWEEPING AND DUST CONTROL, AND PERMIT

25. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING UTILITY SERVICE AT ALL TIMES DURING CONSTRUCTION WITHIN THE PROJECT LIMITS. THIS INCLUDES HAVING A SUPPLY OF REPAIR MATERIALS ONSITE THAT MATCHES EXISTING IN THE EVENT

26. CONTRACTOR MUST PROVIDE A TWO (2) WEEK LOOK AHEAD FOR ALL CONSTRUCTION ACTIVITIES EVERY TWO (2) WEEKS AND ATTEND ALL MEETINGS AT THE COUNTY'S DISCRETION. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE AN UPDATED, COMPLETE PROJECT GANTT SCHEDULE WITH EVERY MONTHLY PAY APPLICATION.

27. CONTRACTOR SHALL NOT LEAVE TRENCHES OR HOLES OPEN OVER NIGHT OR OVER WEEKENDS/HOLIDAYS.

28. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH

29. WORK AREAS ARE TO BE CLEANED ON A DAILY BASIS INCLUDING, BUT NOT LIMITED TO LITTER COLLECTION, TO SWEEPING STREETS AND DAILY WATERING. (TO BE COMPLETED THROUGHOUT THE WORKDAY AS NEEDED), INCLUDING LOT STORAGE

30. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING RIGHT-OF-WAY, TREE REMOVAL, AND DEWATERING PERMITS, IF

31. ALL CONTRACTORS AND REPRESENTATIVES ON-SITE MUST HAVE COLLIER COUNTY CONTRACTOR IDENTIFICATION BADGES

32, CONTRACTOR SHALL CLEAN AND SWAB EACH SECTION OF PIPE MATERIAL, INCLUDING ALL FITTINGS, VALVES, AND APPURTENANCES, WITH A CHLORINE SOLUTION, PRIOR TO INSTALLATION.

33. EACH PIPE SECTION, FITTING, VALVE, ETC., SHALL BE INSTALLED IN A DRY TRENCH, AND NO DIRT OR DEBRIS MAY ENTER THE PIPE MATERIAL AFTER IT IS CLEANED.

34. CONTRACTOR SHALL USE A PLUG, OR OTHER DEVICES, TO MAINTAIN CLEAN PIPE MATERIALS AFTER THEY HAVE BEEN

PUBLIC UTILITIES DIVISION 5N-RELIABILITY ENGINEERING & OPERATIONS REQUIREMEN THE CONTRACTOR'S SPECIAL ATTENTION IS NEEDED TO ASSURE COMPLIANCE WITH TH COLLIER COUNTY PUBLIC UTILITIES FIVE NS. THESE RELATE TO ALL COUNTY UTILITIES FACILITIES INCLUDING, BUT NOT LIMITED TO, WATER AND WASTEWATER TREATMENT FACILITIES: BAW WATER PLIMPING AND TRANSMISSION FACILITIES: POTABLE WATER TROUGHES, NAME AND A STATE TO A STATE AND PUMPING, TRANSMISSION, AND DISTRIBUTION SYSTEMS; AND SOLID WASTE TRANSFEI STATION AND LANDFILL FACILITIES, ANY DEVIATION TO THESE REQUIREMENTS SHALL REVIEWED AND CONSIDERED ON A CASE-BY-CASE BASIS BY UTILITY AND OTHER COUN

THE FIVE NS ARE

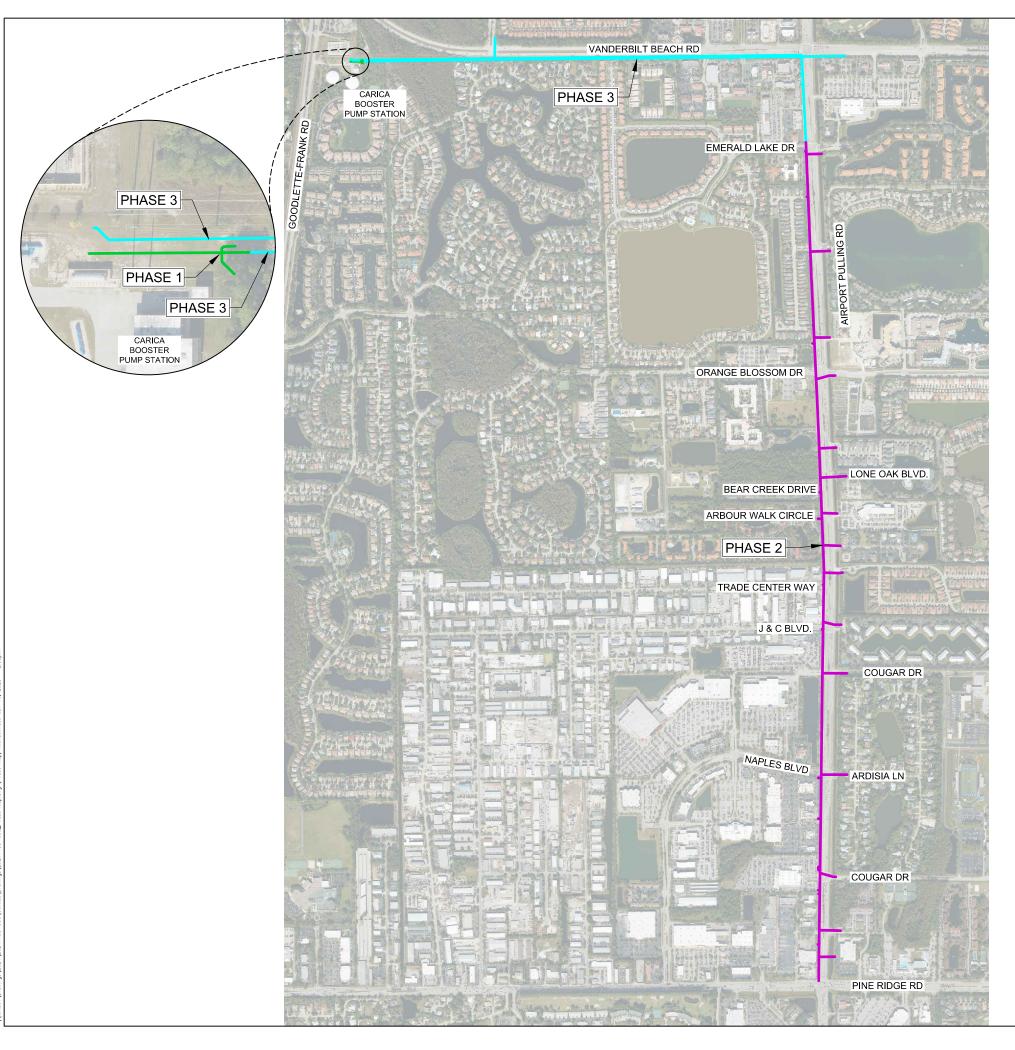
- NO OFFSITE ODOR AT ANY TIME. (24 HOURS PER DAY, 7 DAYS PER WEEK, 365 DAYS PER YEAR)
- 2. NO SANITARY SEWER OVERFLOWS (SSOS-SPILLS). (7 DAYS PER WEEK, 365 DAYS P YEAR) NO EUGITIVE DUST EMISSIONS (7 DAYS PER WEEK, 365 DAYS PER YEAR)
- NO OFSITE DOST EMISSIONS (1 DATS PER VICEA, 305 DATS PER TEAR).
 NO OFFSITE NOISES, ALL SOUND EMISSION SHALL BE MITIGATED PRIOR TO FENCE LINE PER LAND DEVELOPMENT CODE. (7 DAYS PER WEEK, 365 DAYS PER YEAR)
 NO OFFSITE LIGHT EMISSION, ALL LIGHT EMISSIONS SHALL BE MITIGATED PRIOR TO NO OFFSITE LIGHT EMISSION, ALL LIGHT EMISSIONS SHALL BE MITIGATED PRIOR TO FENCE LINE PER LAND DEVELOPMENT CODE.
- COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAIL NOTE

ALL REFERENCES TO COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAILS ARE ERG THE 202C COLLER COUNTY UTILITIES UTILITIES STANDARDS MANUAL, THESE STANDA DETAILS WERE PREPARED BY OR AT THE DIRECTION OF COLLIER COUNTY AND WERE FURNISHED TO JOHNSON ENGINEERING, LLC.

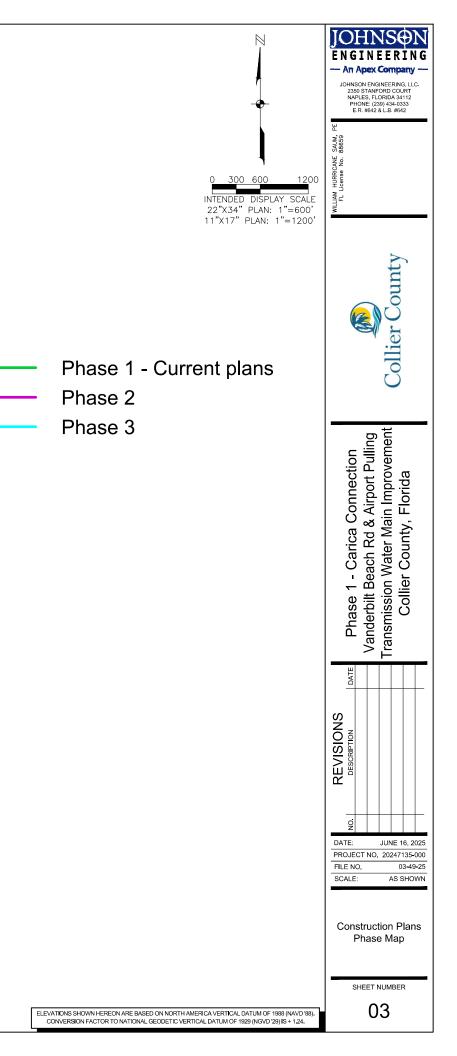
THE DESIGN STANDARDS REFERENCED WITHIN THIS PLAN SET HAVE BEEN INCORPORATED HEREIN VERBATIM AS SET FORTH WITHIN THE ABOVE REFERENCED COLLIER COUNTY UTILITIES STANDARDS MANUAL, OR HAVE BEEN MODIFIED AT THE DIRECTION OF COLLIER COUNTY.

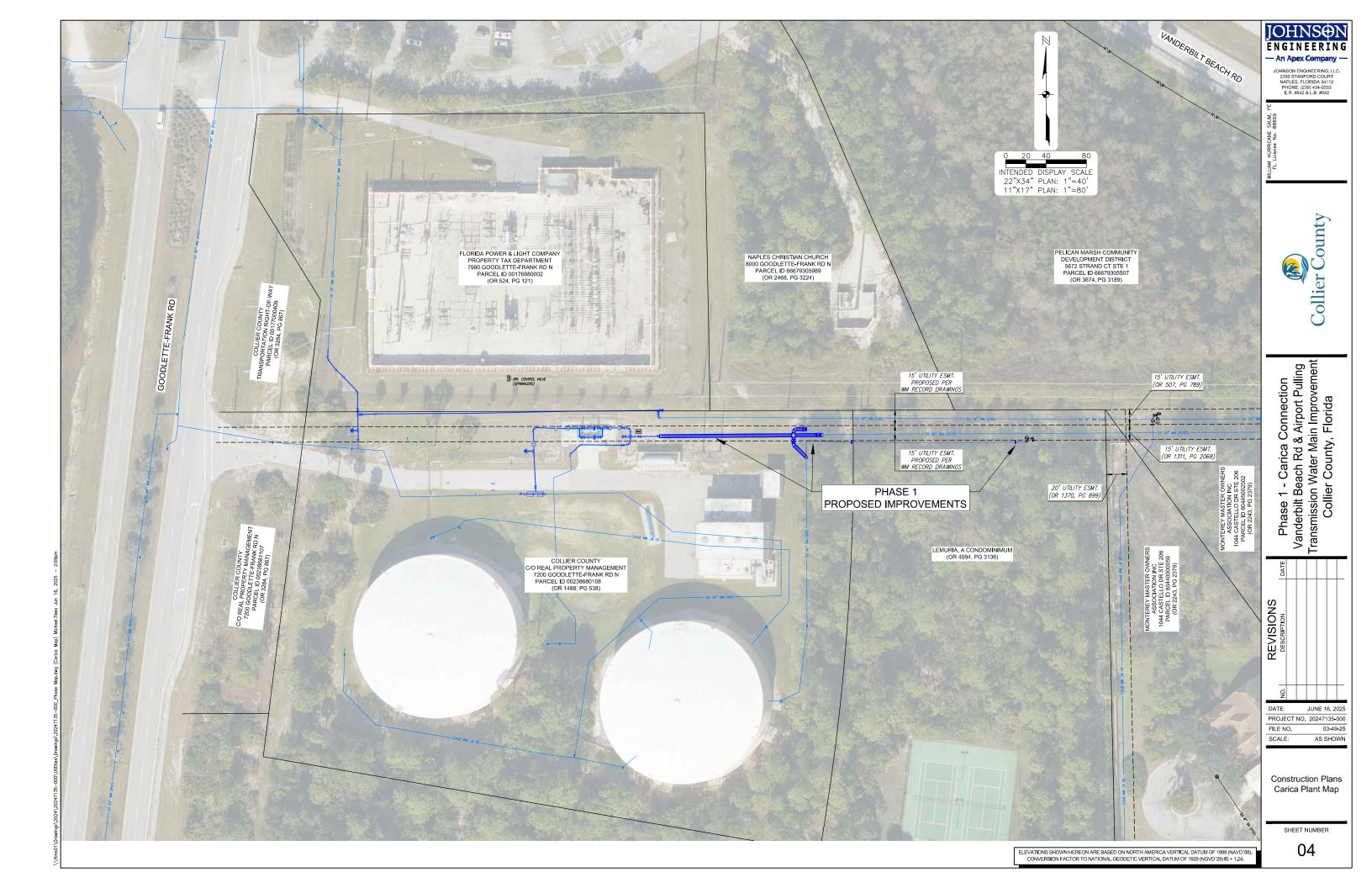
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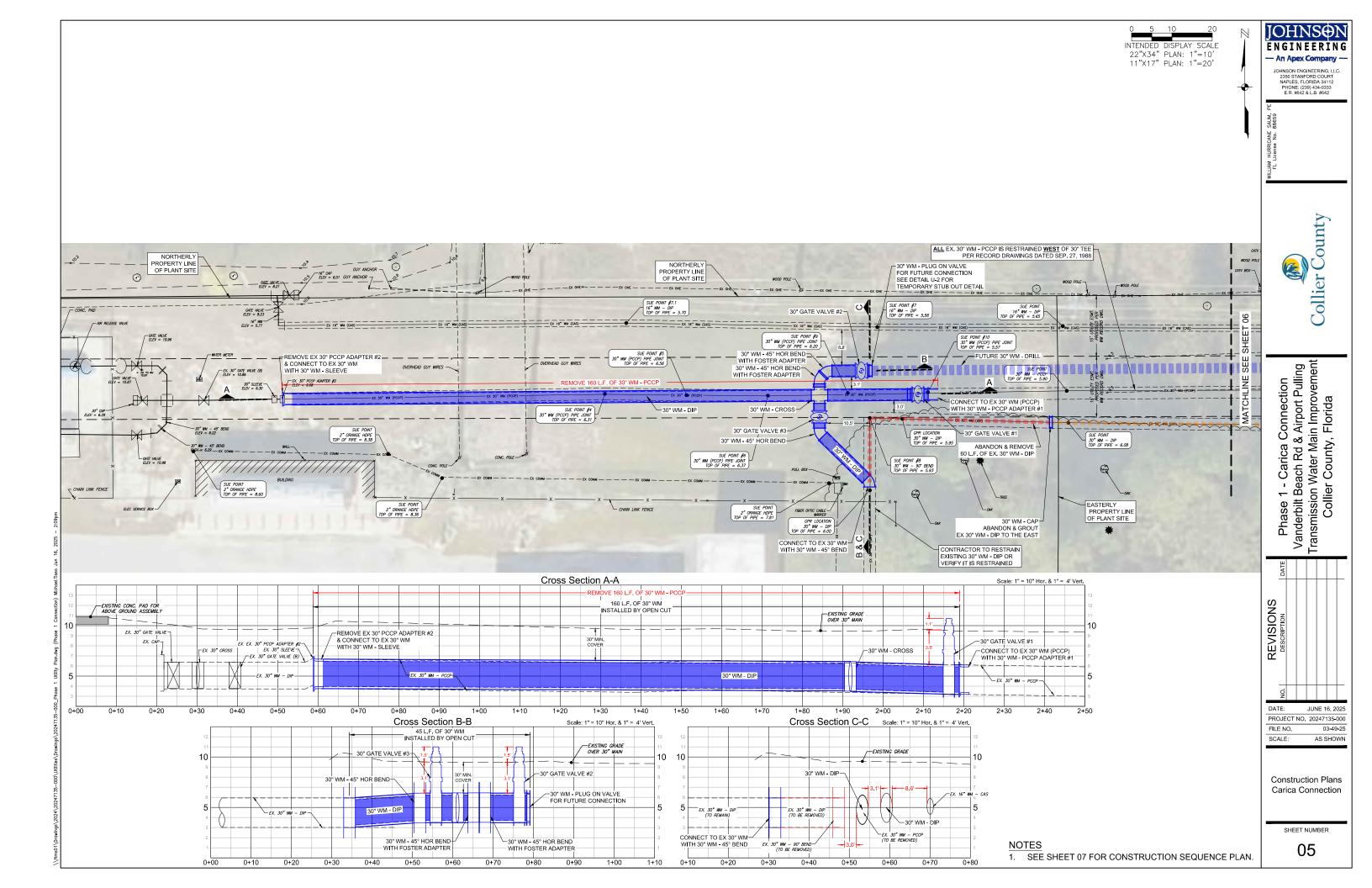
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	MADLES, FLORIDA 34112 PHONE (229) 434-0333 HER. #642 & LB. #642		
	Collier County		
	Phase 1 - Carica Connection Vanderbilt Beach Rd & Airport Pulling Transmission Water Main Improvement Collier County, Florida		
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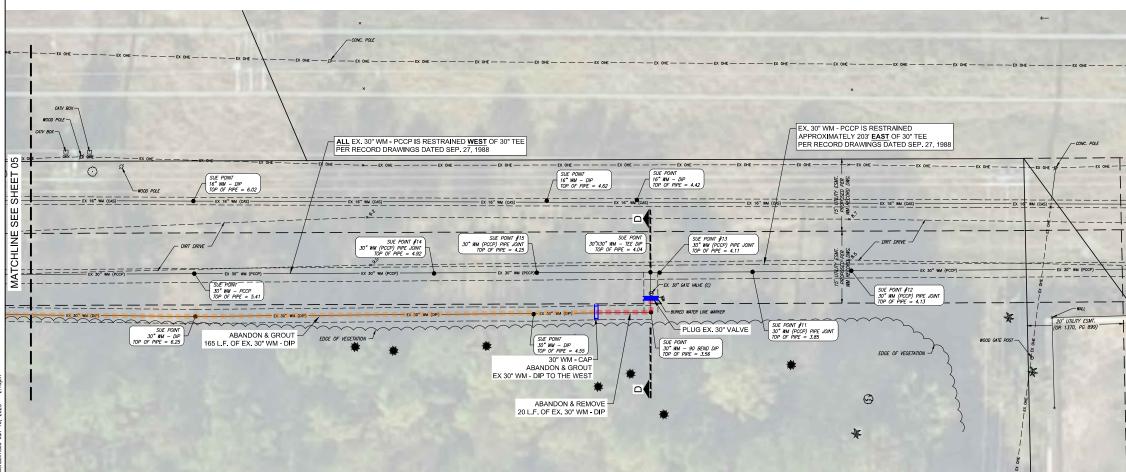


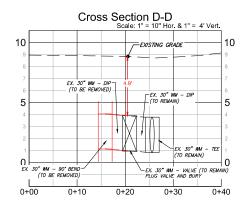
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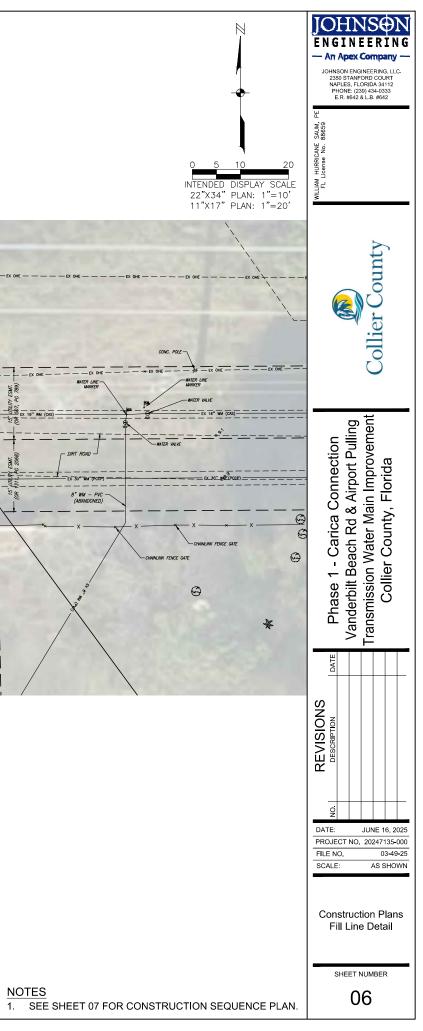


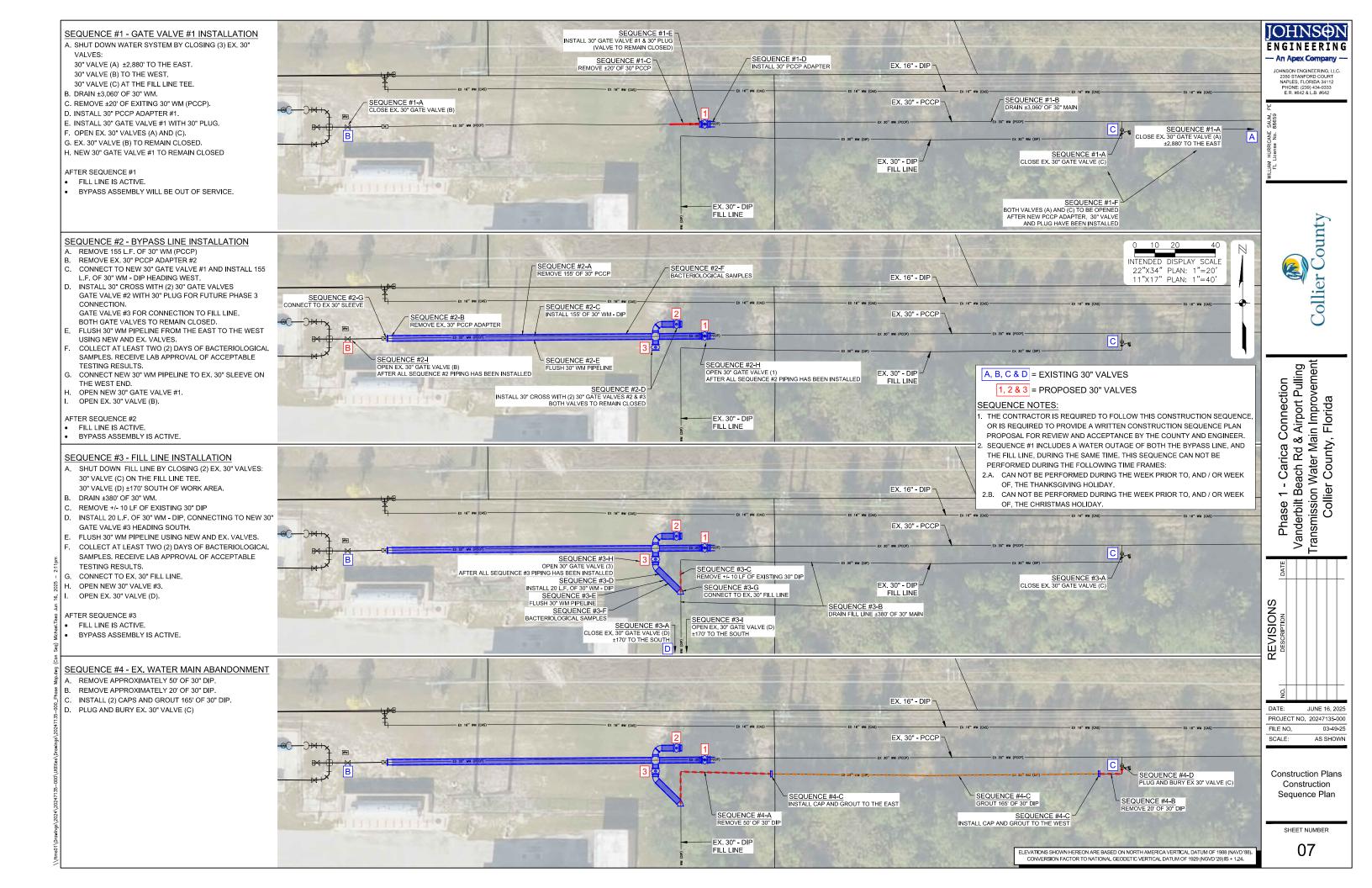


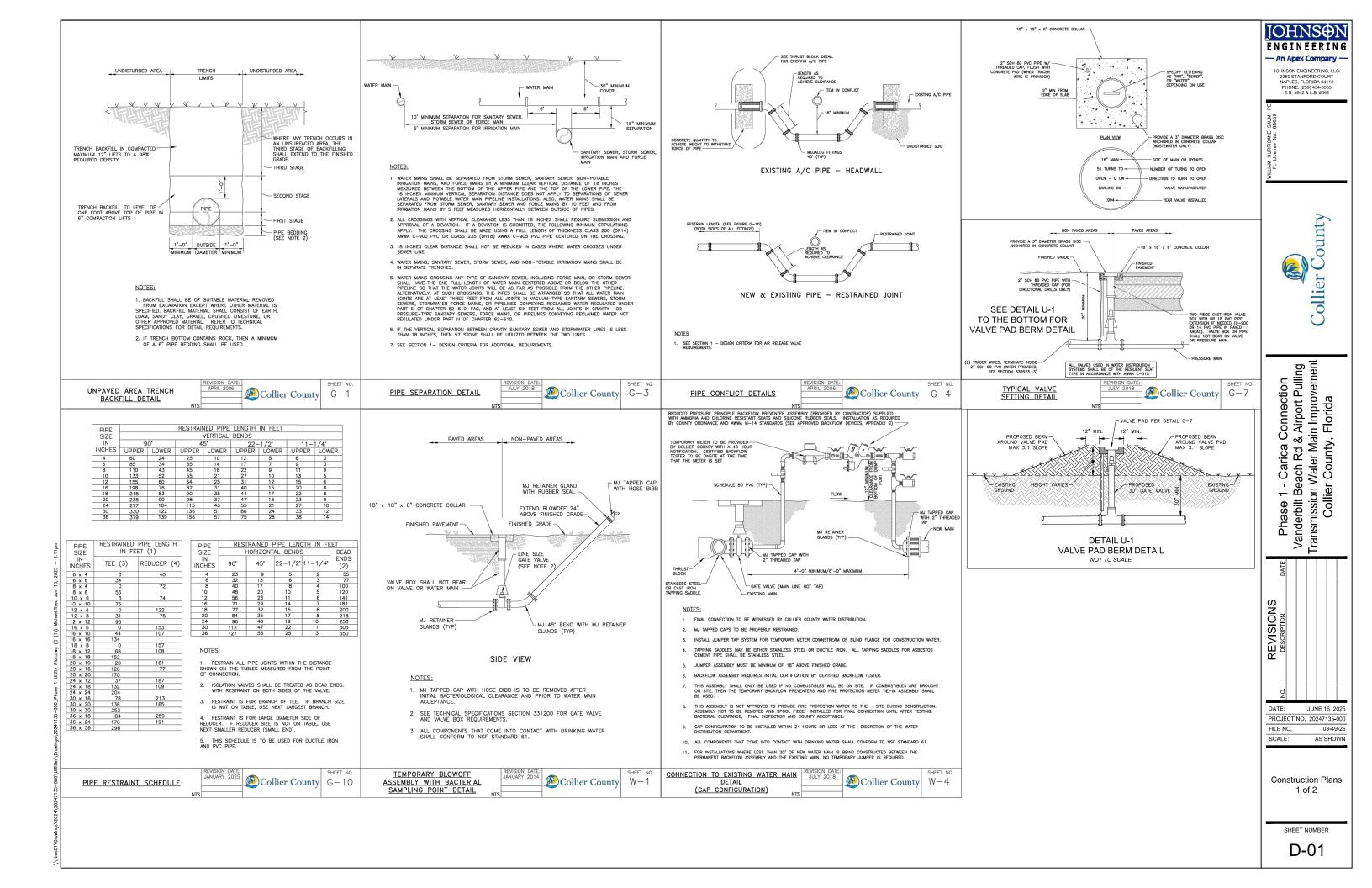


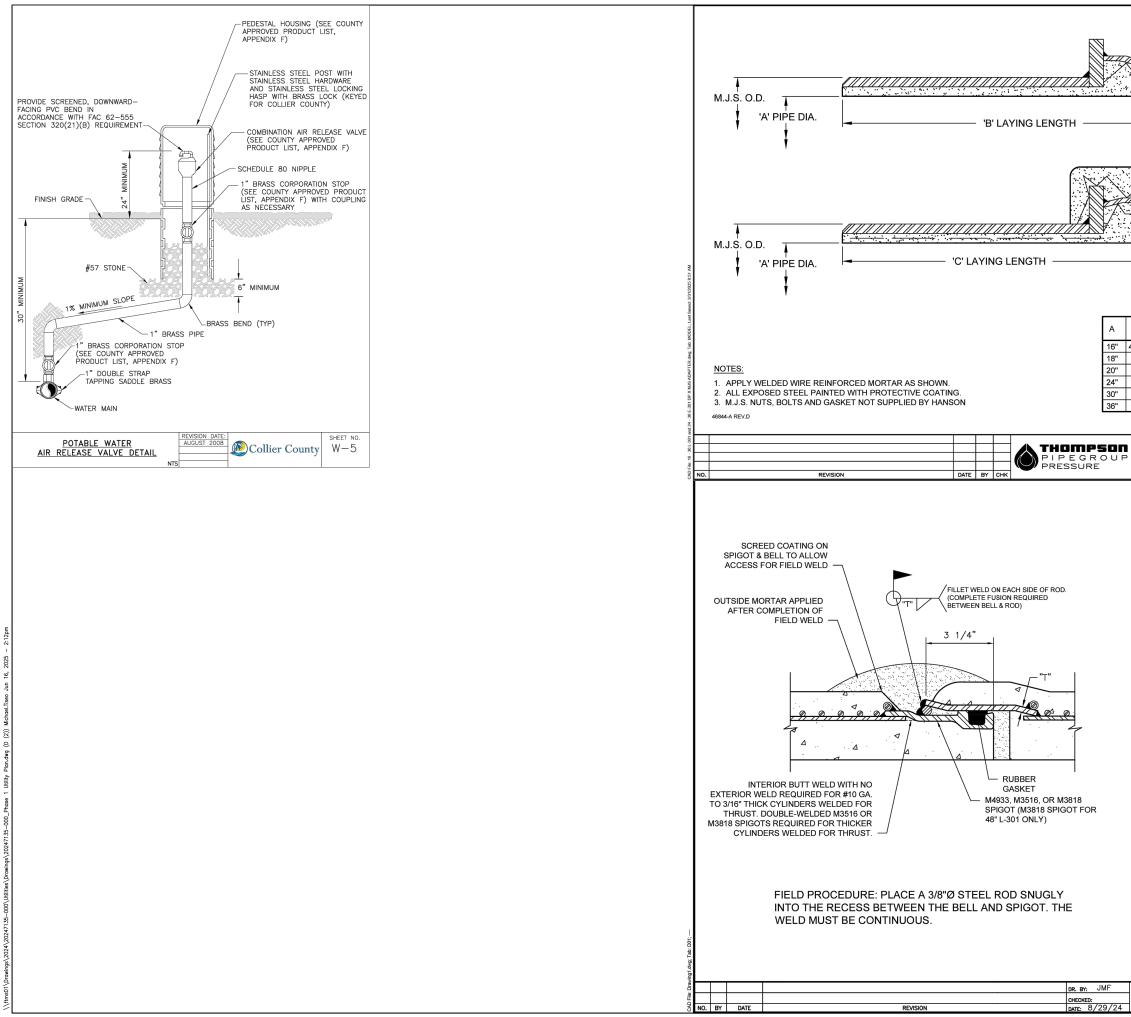












CHECKED: DATE: 8/29/24

Α

18"

20"

24"

30"

36"

