

GENERAL CONSTRUCTION NOTES

- 1. ALL WORK SHOWN ON THESE PLANS IS WITHIN OWNER PROPERTY AND WITHIN THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY. NO ACCESS OR WORK IS PERMITTED OUTSIDE OF THE LIMITS OF DISTURBANCE SHOWN ON THESE PLANS.
2. ALL TIMBER SHALL BE SALVAGED, WHEN POSSIBLE, FOR USE ON SITE. TOP SOIL SHALL BE SALVAGED, STOCK PILED AND SPREAD ON AREAS TO BE VEGETATED. TREES OUTSIDE OF THE CLEARING LINE SHALL BE PROTECTED FROM DAMAGE BY APPROPRIATE MARKINGS.
3. NO RIP RAP SHALL BE PLACED IN ANY WETLAND AREA OR IN ANY LOCATION OR MANNER SO AS TO IMPAIR SURFACE WATER FLOW UNLESS SHOWN ON THE DRAWINGS.
4. ALL TEMPORARY FILLS SHALL BE REMOVED IN THEIR ENTIRETY.
5. NO BURY PITS ARE ALLOWED.
6. SITE TOPOGRAPHY WAS COMPILED FROM THE FOLLOWING GROUND SURVEYS COMPLETED BY SURVEYING AND MAPPING, LLC ON JANUARY 3, 2024. THE HORIZONTAL COORDINATE SYSTEM IS NAD83 FLORIDA STATE PLANES, EAST ZONE, US FOOT.
7. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
8. THE EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES SHOWN ARE APPROXIMATE; ACCURACY IN LOCATION, ELEVATION, DIMENSION AND COMPLETENESS IS NOT GUARANTEED. THE UTILITIES ARE SHOWN ACCORDING TO INFORMATION AVAILABLE AT THE PREPARATION OF THESE CONTRACT DOCUMENTS. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING HIS WORK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE A REVIEW OF THE SITE TO DETERMINE EXISTING CONDITIONS. ANYTHING NOT SHOWN ON THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY AND SHALL NOT CONSTITUTE GROUNDS FOR CHANGE ORDER, UNLESS APPROVED BY THE OWNER.
10. ANY AND ALL AREAS NOT SPECIFIED FOR CONSTRUCTION WHICH ARE DISTURBED AND OR DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THE STANDARDS OF THE CONTRACT DOCUMENTS TO THE EXISTING LOCATION, ELEVATION AND DIMENSION AND TO THE SATISFACTION OF THE OWNER.
11. THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY IF ANY CONFLICTS ARE FOUND IN THE CONTRACT DOCUMENTS.
12. THE CONTRACTOR'S CONSTRUCTION MEANS AND METHODS SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CONSTRUCTION AND SAFETY CODES, WHERE APPLICABLE THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LICENSES AND PERMITS AT ITS OWN EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
13. THE CONTRACTOR SHALL ALSO STABILIZE THE SITE AT THE END OF EACH WORK DAY.
14. ALL MATERIAL SHALL BE NEW, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
15. CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES. ACCESS TO THE SITE IS SHOWN ON THE PLANS.
16. INFORMATION REGARDING UNDERGROUND UTILITIES ON THESE PLANS IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL REQUEST A FIELD LOCATION THROUGH THE UTILITIES PROTECTION CENTER AND ANY UTILITY OWNERS THOUGHT TO HAVE FACILITIES IN THE AREA. THE CONTRACTOR SHALL PROMPTLY COMPARE THESE FIELD-MARKED LOCATIONS WITH THE PROJECT PLANS AND THEN NOTIFY THE ENGINEER OF ANY ANTICIPATED PROBLEMS OR NEED FOR DESIGN CHANGES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE OR CAUSE THE UTILITY OWNER TO EXCAVATE FOR THE PURPOSE OF DETERMINING EXACT ELEVATIONS OR LOCATIONS AT UTILITY CROSSINGS AND OTHER CRITICAL LOCATIONS WELL IN ADVANCE OF THE WORK UNDER THIS CONTRACT. DAMAGE TO EXISTING UTILITIES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION, SIZE, AND MATERIAL OF ANY EXISTING WATER OR SANITARY SEWER FACILITY PROPOSED FOR CONNECTION OR USE BY THIS PROJECT.
17. FINISHED GRADE SHOWN ON THE DRAWINGS REFERS TO THE FINAL GRADE AFTER THE INSTALLATION OF FINAL EROSION CONTROL MEASURES AND GROUND TREATMENT.
18. THE CONTRACTOR SHALL PROTECT ALL UTILITIES THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO THE SATISFACTION OF THE CITY AND PROPERTY OWNERS. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED MAINTENANCE OF TRAFFIC AND ACCESS TO PRIVATE PROPERTIES AS NEEDED FOR PROJECT CONSTRUCTION.
20. NO WORK SHALL OCCUR OUTSIDE OF THE LIMITS OF DISTURBANCE.
21. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ANY DEBRIS LOCATED WITHIN THE PROJECT LIMITS (I.E. FENCE, ASPHALT, CONCRETE, WOOD).

CITY OF PALM COAST NOTES

- 1. CONTRACTOR TO ATTEND MANDATORY PRE-CONSTRUCTION MEETING WITH CITY STAFF PRIOR TO ANY DISTURBANCE OF THE PROPERTY.
2. ALL UTILITIES SHALL BE LOCATED UNDERGROUND.
3. FIRE HYDRANT(S), FDC'S, DEDICATED FIRE FLOW ASSEMBLIES, ETC. ARE TO BE LOCATED A MINIMUM DISTANCE OF 36 INCHES FROM EDGE OF FIRE DEPARTMENT ACCESS ROADS.
4. MINIMUM HEIGHT OF VEHICULAR OBSTRUCTIONS SHALL NOT BE LESS THAN 13 FEET AND 6 INCHES.

GRAVITY SANITARY SEWER GENERAL NOTES

- 1. ALL PIPELINE MATERIAL AND INSTALLATION SHALL CONFORM TO THE CITY OF PALM COAST STANDARDS (JULY, 2022), CONTRACT DOCUMENTS, TECHNICAL SPECIFICATIONS AND ALL APPLICABLE LOCAL AND STATE REQUIREMENTS.
2. THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE COMMENCEMENT OF CONSTRUCTION.
3. ALL UTILITY OWNERS AND SUNSHINE STATE ONE CALL (800) 432-4770 MUST BE NOTIFIED SEVENTY-TWO (72) HOURS PRIOR TO STARTING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY FIBER OPTICS COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBER OPTIC CABLE IS LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.
5. ALL PIPING AND/OR APPURTENANCES CONNECTING TO ADJACENT CONSTRUCTION SHALL BE PLUGGED IF ADJACENT WORK HAS NOT BEEN COMPLETED.
6. ALL PROPOSED DUCTILE IRON PIPE AND FITTINGS WITHIN FIFTY (50) FEET OF AN EXISTING GAS MAIN SHALL BE POLYETHYLENE ENCASED.
7. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN DERIVED FROM EXISTING UTILITY RECORDS. ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, DEPTH AND CHARACTER OF ALL UTILITIES PRIOR TO EXCAVATION IN ORDER TO PROTECT THESE UTILITIES DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND EXISTING UTILITIES. THE EXPLORATORY EXCAVATIONS SHALL BE MADE FORTY-EIGHT (48) HOURS IN ADVANCE OF THE PROPOSED WORK. IF THERE IS A CONFLICT THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST IMMEDIATELY. INFORMATION ON THE OBSTRUCTION SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL INCLUDE: LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.
9. LOCATIONS AND DIMENSIONS OF EXISTING RIGHTS-OF-WAY AND EASEMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE LIMITS OF RIGHTS-OF-WAY AND EASEMENTS IN ORDER TO AVOID ENCROACHMENTS.
10. THE CONTRACTOR SHALL REPLACE SOD 3 FEET FROM ALL DISTURBED AREAS; STRUCTURES, SIDEWALKS, ROADS, AND POND IMPROVEMENT AREAS. ALL OTHER DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE DRAWINGS.
11. THE CONTRACTOR SHALL REPLACE, BUT NOT BE LIMITED, TO PAVING, STABILIZED EARTH, DRIVEWAYS OR ANY ITEMS DISTURBED OR DAMAGED BY THE CONSTRUCTION OR ITS RELATED ACTIVITIES. THE CONTRACTOR SHALL REPLACE WITH EQUAL MATERIAL OR AS DIRECTED BY THE CITY OF PALM COAST.
12. THE DISPOSAL OF ANY EXCESS EARTHWORK MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE HIS WORK WITH THE WORK SCHEDULE OF ADJACENT CONTRACTORS AS WELL AS THE STAFF OF THE CITY OF PALM COAST.

GRAVITY SANITARY SEWER GENERAL NOTES (CONTINUED)

- 14. THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST UTILITY DEPARTMENT 72 HOURS BEFORE COMMENCING WITH CONSTRUCTION.
15. WHERE MINIMUM SEPARATION BETWEEN UTILITIES IS REQUIRED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
16. PVC PIPE AND FITTINGS 4-INCHES THROUGH 15-INCHES SHALL CONFORM TO ASTM D3034, SDR35 OR 26.
17. PVC PIPE AND FITTINGS FITTINGS 18-INCHES THROUGH 27-INCHES SHALL CONFORM TO ASTM F679-11, SDR 35.
18. PVC PIPE AND FITTINGS SHALL BE SOLID GREEN IN COLOR.
19. DUCTILE IRON PIPE FOR GRAVITY OR NON-PRESSURE SERVICE SHALL BE DESIGNED IN ACCORDANCE WITH AND CONFORMING TO THE REQUIREMENTS OF ASTM A746 FOR INSTALLATION WITH TRENCH TYPE II, OR IN ACCORDANCE WITH ANS/AWWA C150/A21.50 AND ANS/AWWA C151/A21.51.
20. DUCTILE IRON FITTINGS FOR USE IN GRAVITY OR NON-PRESSURE SERVICE SHALL CONFORM TO THE REQUIREMENTS OF ANS/AWWA C153/A21.53, COMPACT DUCTILE IRON FITTINGS.
21. DUCTILE IRON PIPE AND FITTINGS FOR GRAVITY OR NON-PRESSURE SERVICE SHALL HAVE AN INTERIOR LINING CONSISTING OF A MINIMUM 40 MILS OF A CERAMIC EPOXY COATING. REFER TO SPECIFICATIONS FOR DETAILS.
22. ALL NEW SANITARY SEWER MAINS SHALL BE INSTALLED WITH A MIN. OF 3'-0" OF COVER, UNLESS OTHERWISE NOTED.
23. MATERIAL FOR GRAVITY SEWER PIPE AND FITTINGS SHALL BE AS SHOWN FOR THE FOLLOWING DEPTHS OF EXCAVATION:
A. 3' TO 4': EPOXY LINED DUCTILE IRON
B. 4' TO 12' PVC, ASTM 3034/ASTM F679, SDR 35
C. GREATER THAN 12': PVC, ASTM 3034, SDR 26 OR EPOXY-LINED DUCTILE IRON.
24. IN AREAS WHERE CONSTRUCTION ACTIVITIES RESTRICT NORMAL ACCESS TO PROPERTIES, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALTERNATE ACCESS ROUTES WHICH ARE SUBJECT TO APPROVAL BY THE CITY OF PALM COAST.
25. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.
26. ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD), 1988.
27. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL BY THE CITY OF PALM COAST PRIOR TO PROCUREMENT.
28. THE CONTRACTOR SHALL VIDEO THE ENTIRE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION. ONE COPY OF THE PRE-CONSTRUCTION VIDEO SHALL BE SUBMITTED TO THE CITY OF PALM COAST.
29. PIPE MEASUREMENTS ON THE MAIN "TRUNK" SEWER SHALL BE FROM CENTER TO CENTER OF MANHOLES OR CLEANOUTS, UNLESS OTHERWISE NOTED.
30. PIPE MEASUREMENTS FOR SERVICE LATERALS SHALL BE FROM THE MAIN "TRUNK" SEWER TO THE PROPERTY LINE. THE DEPTH OF THE LATERAL AT THE PROPERTY LINE SHALL BE MEASURED AND RECORDED ON THE RECORD DRAWINGS.
31. TESTING OF GRAVITY SEWER SYSTEMS AND MANHOLES SHALL FOLLOW THE REQUIREMENTS FOUND WITHIN THE SPECIFICATIONS.
32. CONFLICT BETWEEN WATER MAINS, STORM AND REUSE SYSTEMS AND PROPOSED SANITARY SEWER MAINS SHALL BE RESOLVED BY ADJUSTING THE PRESSURE MAINS AS NECESSARY. SEE "UTILITY SEPARATION DETAIL" AND ACCOMPANYING NOTES AS SHOWN ON THE CIVIL DETAIL (CD) SHEETS OF THE PLAN SET.
33. ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
34. FOR A SCHEDULED INTERRUPTION OF SANITARY SEWER MAIN FLOW, THE CONTRACTOR SHALL PROVIDE TO THE CITY OF PALM COAST FOR REVIEW A WRITTEN SCHEDULE AS TO THE METHOD AND DURATION OF FLOW INTERRUPTION.
35. THE CITY OF PALM COAST SHALL REVIEW THE SUBMITTAL AND SHALL INFORM THE CONTRACTOR REGARDING APPROVAL OR DENIAL OF THEIR REQUEST. IF THEIR REQUEST IS REJECTED BY THE CITY OF PALM COAST, THE CONTRACTOR MAY RESUBMIT THEIR REQUEST MODIFYING IT TO THE SATISFACTION OF THE OWNER. ALL CONNECTIONS SHALL BE MADE ONLY ON THE AGREED UPON TIME AND DATE ESTABLISHED IN THE SUBMITTAL.
36. DURING NORMAL SANITARY SEWER MAIN FLOW INTERRUPTION, THE CONTRACTOR SHALL PROVIDE UNINTERRUPTED BY-PASS FLOW AND SHALL PROVIDE ALL EQUIPMENT NECESSARY TO ACCOMPLISH THE SAME IN THE FORM OF, BUT NOT LIMITED TO, THE FOLLOWING: POWER, PUMPS, PIPING, APPURTENANT VALVES AND FITTINGS AND/OR SEPTIC TANKER TRUCK PUMPING, HAULING AND DISPOSAL SERVICES.
37. ALL BURIED UTILITY PIPES TO BE ABANDONED IN PLACE SHALL BE CUT, PLUGGED AND FILLED WITH GROUT.
38. IT IS THE INTENT OF THIS CONTRACT FOR THE CONTRACTOR TO MAINTAIN CONTINUOUS RESTORATION BEHIND THE UTILITY WORK ON A DAILY BASIS. NO MORE THAN FIFTY (50) LINEAR FEET OF UNRESTORED LINE WORK SHALL REMAIN AT THE END OF EACH WORK DAY.

POTABLE AND RAW WATER MAINS GENERAL NOTES

- 1. ALL PIPELINE MATERIAL AND INSTALLATION SHALL CONFORM TO THE CITY OF PALM COAST STANDARDS (JULY, 2022), CONTRACT DOCUMENTS, TECHNICAL SPECIFICATIONS AND ALL APPLICABLE LOCAL AND STATE REQUIREMENTS.
2. THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE COMMENCEMENT OF CONSTRUCTION.
3. ALL UTILITY OWNERS AND SUNSHINE STATE ONE CALL (800) 432-4770 MUST BE NOTIFIED SEVENTY-TWO (72) HOURS PRIOR TO STARTING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY FIBEROPTICS COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBEROPTIC CABLE IS LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.
5. ALL PIPING AND/OR APPURTENANCES CONNECTING TO ADJACENT CONSTRUCTION SHALL BE PLUGGED IF ADJACENT WORK HAS NOT BEEN COMPLETED.
6. CONTRACTOR SHALL PROVIDE TEMPORARY THRUST RESTRAINTS, BRACING, TEST PLUGS AND/OR OTHER DEVICES NECESSARY TO SUCCESSFULLY COMPLETE PRESSURE TESTING OF ALL PRESSURE PIPING SYSTEMS.
7. ALL FITTINGS FOR BURIED PIPING 4-INCH AND LARGER, SHALL BE COMPACT DUCTILE IRON MECHANICAL JOINT (D.I.M.J.) BITUMEN COATED EXTERIOR, APPLIED PER ANS/AWWA A21.53/C153 UNLESS NOTED OTHERWISE. THESE FITTINGS SHALL INCORPORATE RESTRAINING RINGS, MEGA-LUGS OR OTHER APPROVED EQUIVALENT MECHANICAL DEVICES.
8. ALL BURIED PIPING SPECIFIED FOR PRESSURE SERVICE SHALL BE PROVIDED WITH RESTRAINING DEVICES AT ALL DIRECTIONAL CHANGES, UNLESS NOTED OTHERWISE.
9. ALL PROPOSED DUCTILE IRON PIPE, FITTINGS AND RESTRAINTS WITHIN FIFTY (50) FEET OF AN EXISTING GAS MAIN SHALL BE POLYETHYLENE ENCASED.
10. ALL FASTENERS SHALL BE MANUFACTURED OF NON-CORROSIVE MATERIALS. WHEN STAINLESS STEEL IS REQUIRED, 304 S.S. SHALL BE USED FOR ALL BURIED APPLICATIONS AND 316 S.S. SHALL BE USED FOR ABOVE GROUND OR CORROSIVE ENVIRONMENTS.
11. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN DERIVED FROM EXISTING UTILITY RECORDS AND ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, DEPTH AND CHARACTER OF ALL UTILITIES PRIOR TO EXCAVATION IN ORDER TO PROTECT THEM DURING CONSTRUCTION.
12. WHERE MINIMUM SEPARATION BETWEEN UTILITIES IS REQUIRED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
13. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND EXISTING UTILITIES. THE EXPLORATORY EXCAVATIONS SHALL BE MADE FORTY-EIGHT (48) HOURS IN ADVANCE OF THE PROPOSED WORK. IF THERE IS A CONFLICT THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST IMMEDIATELY. INFORMATION ON THE OBSTRUCTION SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL INCLUDE: LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.
14. LOCATIONS AND DIMENSIONS OF EXISTING RIGHTS-OF-WAY AND EASEMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE LIMITS OF RIGHTS-OF-WAY AND EASEMENTS IN ORDER TO AVOID ENCROACHMENTS.
15. THE CONTRACTOR SHALL REPLACE SOD 3 FEET FROM ALL DISTURBED AREAS; STRUCTURES, SIDEWALKS, ROADS, AND POND IMPROVEMENT AREAS. ALL OTHER DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE DRAWINGS.
16. THE CONTRACTOR SHALL REPLACE, BUT NOT BE LIMITED TO, PAVING, STABILIZED EARTH, DRIVEWAYS OR ANY ITEMS DISTURBED OR DAMAGED BY THE CONSTRUCTION OR ITS RELATED ACTIVITIES. THE CONTRACTOR SHALL REPLACE WITH EQUAL MATERIAL OR AS DIRECTED BY THE CITY OF PALM COAST.

POTABLE AND RAW WATER MAINS GENERAL NOTES (CONTINUED)

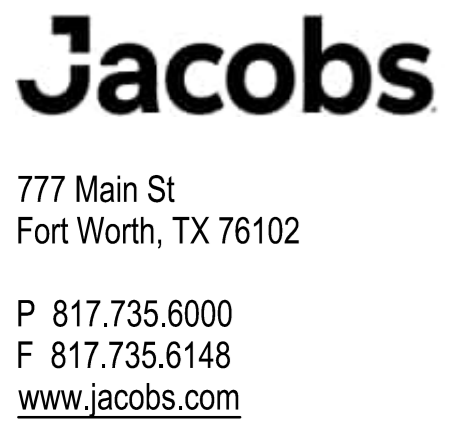
- 17. THE DISPOSAL OF ANY EXCESS EARTHWORK MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
18. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.
19. ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD), 1988.
20. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE HIS WORK WITH THE WORK SCHEDULE OF ADJACENT CONTRACTORS AS WELL AS THE OPERATIONS STAFF OF THE CITY OF PALM COAST.
21. THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST 72 HOURS BEFORE COMMENCING WITH CONSTRUCTION.
22. PIPE MEASUREMENTS SHALL BE CENTER TO CENTER OF FITTINGS OR VALVES.
23. PVC PIPE LESS THAN 2-INCHES SHALL CONFORM TO ASTM D1785. THREADED PIPE AND FITTINGS SHALL BE SCH. 80 AND CONFORM TO ASTM D2464. UNTHREADED PIPE AND FITTINGS SHALL BE SCH. 40 WITH SOLVENT CEMENTED JOINTS. CEMENTED JOINTS AND FITTINGS SHALL COMPLY WITH ASTM D2466 AND D2855.
24. 2", 2 1/2" AND 3" PVC PIPE SHALL CONFORM TO ASTM D2241. PIPE SHALL BE FURNISHED IN 20-FOOT LENGTHS, SHALL HAVE DIMENSION RATIO (DR21) AND A WATER PRESSURE RATING OF 200 PSI.
25. PVC PIPE 4-INCHES THROUGH 60-INCHES SHALL CONFORM TO AWWA STANDARD C900 (DR18)
26. DUCTILE IRON PIPE SHALL CONFORM TO AWWA STANDARD C151, PRESSURE CLASS 350 FOR 4-INCH THROUGH 12-INCH DIAMETER PIPE; PRESSURE CLASS 250 FOR PIPE LARGER THAN 12-INCHES IN DIAMETER UNLESS NOTED OTHERWISE.
27. VALVES FOR POTABLE WATER MAINS SHALL BE DUCTILE IRON (D.I.) EPOXY COATED GATE VALVES OR BUTTERFLY VALVES. VALVES FOR RAW WATER MAINS SHALL BE DUCTILE IRON (D.I.) EPOXY COATED GATE VALVES ONLY. SEE SPECIFICATIONS FOR DETAILS.
28. ALL POLYETHYLENE PRESSURE PIPE AND FITTINGS 4-INCH AND LARGER SHALL CONFORM TO AWWA STANDARD C906 (DR11) PRESSURE CLASS 160 AND ASTM STANDARD D3350, D2837 PE 3408.
29. ALL POLYETHYLENE PIPE FOR SERVICE TUBING SHALL CONFORM TO AWWA STANDARD C901 (DR9) PRESSURE CLASS 200 AND STANDARD D2737 PE 3408.
30. ALL PIPE AND POLYETHYLENE SERVICE TUBING SHALL BEAR THE NATIONAL SANITATION FOUNDATION (NSF) SEAL OF APPROVAL FOR POTABLE WATER SERVICE.
31. FITTINGS FOR BOTH PVC AND DUCTILE IRON PIPE SHALL BE DUCTILE IRON COMPACT FITTINGS CONFORMING TO THE REQUIREMENTS OF ANS/AWWA C153/A21.53.
32. DUCTILE IRON PIPE AND FITTINGS SHALL HAVE A CEMENT MORTAR INTERIOR LINING CONFORMING TO THE REQUIREMENTS OF ANS/AWWA A21.4/C104. DUCTILE IRON PIPE AND FITTINGS FOR RAW WATER SHALL INCORPORATE A DOUBLE LINING OF THE CEMENT MORTAR ON THE INTERIOR SURFACE.
33. PROPER BACKFLOW PREVENTION ASSEMBLIES SHALL BE PROVIDED IN ACCORDANCE WITH RULE 62-555.360, F.A.C. AND AWWA MANUAL M14, "BACKFLOW PREVENTION AND CROSS CONNECTION CONTROL" AND THE CITY OF PALM COAST "CROSS CONNECTION CONTROL MANUAL." (LATEST EDITION).
34. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS, LATEST REVISIONS. HYDROSTATIC TESTING FOR PVC MAINS SHALL BE 150 PSI FOR A MINIMUM OF 2 HOURS AND MEET AWWA STANDARD C605. DUCTILE IRON MAINS SHALL BE TESTED AT 150 PSI FOR 2 HOURS PER AWWA C600. ALL NEW MAINS SHALL BE DISINFECTED PER AWWA STANDARD C651. BACTERIOLOGICAL TESTS FOR 2 CONSECUTIVE DAYS SHALL BE APPROVED PRIOR TO PLACING SYSTEM INTO SERVICE.
35. PVC POTABLE WATER MAINS SHALL BE SOLID BLUE IN COLOR. DUCTILE IRON WATER MAINS SHALL INCORPORATE 3 BLUE STRIPES, PAINTED AT THE TOP AND SIDES OF THE PIPE, ALONG IT'S ENTIRE LENGTH.
36. PVC RAW WATER MAINS SHALL BE SOLID BLUE IN COLOR. DUCTILE IRON RAW WATER MAINS SHALL INCORPORATE 3 WHITE STRIPES, PAINTED AT THE TOP AND SIDES OF THE PIPE, ALONG IT'S ENTIRE LENGTH.
37. ALL POTABLE AND RAW WATER MAINS SHALL BE INSTALLED WITH THE MINIMUM VERTICAL/HORIZONTAL SEPARATION FROM ALL EXISTING AND/OR PROPOSED SANITARY, STORM AND REUSE WATER PIPING AS REQUIRED BY FDEP RULES. CONFLICTS BETWEEN REUSE WATER MAINS, STORM AND SANITARY SEWER SYSTEMS, FORCE MAINS AND PROPOSED POTABLE OR RAW WATER MAINS SHALL BE RESOLVED BY ADJUSTING THE PROPOSED POTABLE/RAW WATER MAIN. SEE "UTILITY SEPARATION DETAIL" AND ACCOMPANYING NOTES AS SHOWN ON STANDARD DETAIL (SD) SHEETS OF THIS PLAN SET.
38. ALL POLYETHYLENE PIPE FOR SERVICE TUBING SHALL CONFORM TO AWWA STANDARD C901 (DR9) PRESSURE CLASS 200 AND STANDARD D2737 PE 3408.
39. ALL PIPE AND POLYETHYLENE SERVICE TUBING SHALL BEAR THE NATIONAL SANITATION FOUNDATION (NSF) SEAL OF APPROVAL FOR
40. ALL WATER MAINS SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE SHALL BE INSTALLED DURING THE BACKFILLING 12 INCHES ABOVE AND DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "CAUTION - WATER MAIN BURIED BELOW". THE TAPE SHALL BE PLASTIC, NON-METALLIC AND BE BLUE IN COLOR FOR POTABLE WATER OR WHITE FOR RAW WATER.
41. ALL WATER MAINS INSTALLED BY OPEN CUT SHALL BE CONTINUOUSLY UNDERLAIN WITH 10 GAGE SINGLE STRAND, THWN SOLID COPPER CLAD STEEL MARKING WIRE. THE WIRE SHALL INCORPORATE A 30MIL HDPE JACKET AND SHALL BE BLUE INSULATION FOR POTABLE WATER OR WHITE INSULATION FOR RAW WATER. INSTALLATION SHALL CONFORM TO THE DETAIL DRAWINGS. TRACING WIRE SHALL HAVE A BREAK LOAD OF 513 LBS.
42. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND ACCOUNTING FOR AS WELL AS RECONNECTING ALL SERVICE CONNECTIONS AFFECTED BY THE PROPOSED WATER MAIN INSTALLATION.
43. RE-USE EXISTING VALVES AND FITTINGS WHERE CONDITIONS ALLOW AND WHICH HAVE BEEN DETERMINED TO BE IN GOOD CONDITION AND IN WORKING ORDER. THE CITY OF PALM COAST WILL MAKE THE DECISION REGARDING THE INCORPORATION OF USED MATERIAL INTO THE WORK.
44. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL TO THE CITY OF PALM COAST PRIOR TO PROCUREMENT.
45. ALL NEW WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 3'-0" OF COVER, UNLESS NOTED OTHERWISE.
46. THE CONTRACTOR SHALL VIDEO THE ENTIRE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION. ONE COPY OF THE PRE-CONSTRUCTION VIDEO SHALL BE SUBMITTED TO THE CITY OF PALM COAST.
47. IT IS THE INTENT OF THIS CONTRACT FOR THE CONTRACTOR TO MAINTAIN CONTINUOUS RESTORATION BEHIND THE UTILITY WORK ON A DAILY BASIS. NO MORE THAN FIFTY (50) LINEAR FEET OF UNRESTORED LINE WORK SHALL REMAIN AT THE END OF EACH WORK DAY.
48. THE CONTRACTOR SHALL SUBMIT TO THE CITY OF PALM COAST, A CONSTRUCTION SCHEDULE ADDRESSING THE INTERRUPTION OF SERVICE IN THE POTABLE WATER DISTRIBUTION SYSTEM. IT IS THE INTENT OF THE CONTRACT FOR THE CONTRACTOR TO FIELD INVESTIGATE ALL POSSIBLE METHODS TO ELIMINATE OR MINIMIZE INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS. UNDER NO CIRCUMSTANCES SHALL THE CONSTRUCTION ACTIVITIES RESULT IN A SYSTEM PRESSURE OF LESS THAN 20 P.S.I.
49. ALL CONNECTIONS TO WATER MAINS SHALL BE MADE BY THE CONTRACTOR ONLY AFTER THE CONNECTION PROCEDURE AND HIS WORK SCHEDULE REGARDING THIS ACTIVITY ARE REVIEWED AND APPROVED BY THE CITY OF PALM COAST. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE OWNER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO COMMENCEMENT OF CONNECTION ACTIVITIES. IN THE REQUEST, THE CONTRACTOR SHALL OUTLINE THE FOLLOWING:
A. POINTS OF CONNECTION, FITTINGS TO BE USED AND METHOD OF FLUSHING AND DISINFECTION.
B. ESTIMATED CONSTRUCTION TIME FOR SAID ACTIVITY.
C. POSSIBLE SYSTEM PRESSURE LOSS.
THE CITY OF PALM COAST SHALL REVIEW THE SUBMITTAL AND INFORM THE CONTRACTOR REGARDING APPROVAL OR DENIAL OF THEIR REQUEST. IF THEIR REQUEST IS REJECTED BY THE CITY OF PALM COAST, THE CONTRACTOR MAY RESUBMIT THEIR REQUEST MODIFYING IT TO THE SATISFACTION OF THE OWNER. ALL CONNECTIONS SHALL ONLY BE MADE ON THE AGREED UPON TIME AND DATE OR RESCHEDULE. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES IN THE SYSTEM.
48. THREE (3") INCH AND LARGER BURIED UTILITY MAINS TO BE ABANDONED IN PLACE, SHALL BE CUT, PLUGGED AND FILLED WITH GROUT.
49. TWO-INCH (2") AND SMALLER METER/BACKFLOW DEVICES WILL BE SUPPLIED BY THE CITY AND INSTALLED BY THE DEVELOPER. DEVICES LARGER THEN TWO INCH SHALL BE SUPPLIED AND INSTALLED BY THE DEVELOPER.

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REUSE WATER MAIN GENERAL NOTES

- 1. ALL PIPELINE MATERIAL AND INSTALLATION SHALL CONFORM TO THE CITY OF PALM COAST STANDARDS (JULY, 2022), CONTRACT DOCUMENTS, TECHNICAL SPECIFICATIONS AND ALL APPLICABLE LOCAL AND STATE REQUIREMENTS.
2. THE CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS ARE IN HAND BEFORE COMMENCEMENT OF CONSTRUCTION.
3. ALL UTILITY OWNERS AND SUNSHINE STATE ONE CALL (800) 432-4770 MUST BE NOTIFIED SEVENTY-TWO (72) HOURS PRIOR TO STARTING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY FIBEROPTICS COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBEROPTIC CABLE IS LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.
5. ALL NEW REUSE WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 3'-0" OF COVER, UNLESS NOTED OTHERWISE.
6. ALL PIPING AND/OR APPURTENANCES CONNECTING TO ADJACENT CONSTRUCTION SHALL BE PLUGGED IF ADJACENT WORK HAS NOT BEEN COMPLETED.
7. CONTRACTOR SHALL PROVIDE TEMPORARY THRUST RESTRAINT, BRACING, TEST PLUGS AND/OR OTHER DEVICES NECESSARY TO SUCCESSFULLY COMPLETE PRESSURE TESTING OF ALL PRESSURE PIPING SYSTEMS.
8. ALL FITTINGS FOR BURIED PIPING 4-INCHES AND LARGER SHALL BE COMPACT DUCTILE IRON MECHANICAL JOINT (D.I.M.J.) BITUMEN COATED EXTERIOR APPLIED PER ANS/AWWA A21.53/C153 UNLESS OTHERWISE NOTED. THESE FITTINGS SHALL INCORPORATE RESTRAINING RINGS, MEGA-LUGS OR OTHER APPROVED EQUIVALENT MECHANICAL DEVICES.
9. ALL PROPOSED DUCTILE IRON PIPE, FITTINGS AND RESTRAINTS WITHIN FIFTY (50) FEET OF AN EXISTING GAS MAIN SHALL BE POLYETHYLENE ENCASED.
10. ALL FASTENERS SHALL BE MANUFACTURED OF NON-CORROSIVE MATERIAL. WHEN STAINLESS STEEL IS REQUIRED, 304 S.S. SHALL BE USED FOR ALL BURIED APPLICATIONS AND 316 S.S. SHALL BE USED FOR ABOVE GROUND OR CORROSIVE ENVIRONMENTS.
11. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN DERIVED FROM EXISTING UTILITY RECORDS. ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, DEPTH AND CHARACTER OF ALL UTILITIES PRIOR TO EXCAVATION IN ORDER TO PROTECT THESE UTILITIES DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND EXISTING UTILITIES. THE EXPLORATORY EXCAVATIONS SHALL BE MADE FORTY-EIGHT (48) HOURS IN ADVANCE OF THE PROPOSED WORK. IF THERE IS A CONFLICT THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST IMMEDIATELY. INFORMATION ON THE OBSTRUCTION SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL INCLUDE: LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.
13. LOCATIONS AND DIMENSIONS OF EXISTING RIGHTS-OF-WAY AND EASEMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE LIMITS OF RIGHTS-OF-WAY AND EASEMENTS IN ORDER TO AVOID ENCROACHMENTS.
14. WHERE MINIMUM SEPARATION BETWEEN UTILITIES IS REQUIRED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
15. THE CONTRACTOR SHALL REPLACE SOD 3 FEET FROM ALL DISTURBED AREAS, STRUCTURES, SIDEWALKS, ROADS AND POND IMPROVEMENT AREAS. ALL OTHER DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE DRAWINGS.
16. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.
17. THE CONTRACTOR SHALL REPLACE, BUT NOT BE LIMITED TO, PAVING, STABILIZED EARTH, DRIVEWAYS OR ANY ITEMS DISTURBED OR DAMAGED BY THE CONSTRUCTION OR ITS RELATED ACTIVITIES. THE CONTRACTOR SHALL REPLACE WITH EQUAL MATERIAL OR AS DIRECTED BY THE CITY OF PALM COAST.
18. THE DISPOSAL OF ANY EXCESS EARTHWORK MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK WITH THE WORK SCHEDULE OF ADJACENT CONTRACTORS AS WELL THE STAFF OF THE CITY OF PALM COAST.
20. THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST UTILITY DEPARTMENT 72 HOURS BEFORE COMMENCING WITH CONSTRUCTION.
21. PVC PIPE LESS THAN 2-INCHES SHALL CONFORM TO ASTM D1785. THREADED PIPE AND FITTINGS SHALL BE SCH. 80 AND CONFORM TO ASTM D2464. UNTHREADED PIPE AND FITTINGS SHALL BE SCH. 40 WITH SOLVENT CEMENTED JOINTS. CEMENTED JOINTS AND FITTINGS SHALL COMPLY WITH ASTM D2466 AND D2855.
22. 2", 2 1/2" AND 3" PVC PIPE SHALL CONFORM TO ASTM D2241. PIPE SHALL BE FURNISHED IN 20-FOOT LENGTHS, SHALL HAVE DIMENSION RATIO (DR21) AND A WATER PRESSURE RATING OF 200 PSI.
23. PVC PIPE 4-INCHES THROUGH 60-INCHES SHALL CONFORM TO AWWA STANDARD C900 (DR18).
24. DUCTILE IRON PIPE SHALL CONFORM TO AWWA STANDARD C151, PRESSURE CLASS 350 FOR 4-INCH THROUGH 12-INCH DIAMETER PIPE; PRESSURE CLASS 250 FOR PIPE LARGER THAN 12-INCHES IN DIAMETER UNLESS NOTED OTHERWISE.
25. VALVES FOR REUSE MAINS SHALL BE DUCTILE IRON, EPOXY COATED GATE VALVES OR BUTTERFLY VALVES. REFER TO SPECIFICATIONS FOR DETAILS.
26. ALL POLYETHYLENE PRESSURE PIPE AND FITTINGS 4-INCH AND LARGER SHALL CONFORM TO AWWA STANDARD C906 (DR11) PRESSURE CLASS 160 AND ASTM STANDARD D3350, D2837, PE 3408.
27. FITTINGS FOR BOTH PVC AND DUCTILE IRON PIPE SHALL BE DUCTILE IRON COMPACT FITTINGS CONFORMING TO THE REQUIREMENTS OF ANS/AWWA C153/A21.53.
28. DUCTILE IRON PIPE AND FITTINGS SHALL HAVE A CEMENT MORTAR INTERIOR LINING CONFORMING TO THE REQUIREMENTS OF ANS/AWWA C104/A21.4.
29. PVC REUSE MAINS SHALL BE SOLID LAVENDER IN COLOR. DUCTILE IRON PIPE FOR REUSE MAINS SHALL INCORPORATE 3 LAVENDER STRIPES, PAINTED AT THE TOP AND SIDES OF THE PIPE, ALONG IT'S ENTIRE LENGTH.
30. PIPE MEASUREMENTS SHALL BE CENTER TO CENTER OF FITTINGS OR VALVES.
31. ALL REUSE MAINS SHALL BE INSTALLED WITH THE MINIMUM VERTICAL/HORIZONTAL SEPARATION FROM ALL EXISTING AND/OR PROPOSED SANITARY, STORM AND POTABLE WATER PIPING AS REQUIRED BY FDEP RULES. CONFLICTS BETWEEN WATER MAINS, STORM AND SANITARY SEWER SYSTEMS, FORCE MAINS AND PROPOSED REUSE MAINS SHALL BE RESOLVED BY ADJUSTING THE PROPOSED REUSE MAIN AS NECESSARY. SEE "UTILITY SEPARATION DETAIL" AND ACCOMPANYING NOTES AS SHOWN ON STANDARD DETAIL (SD) SHEETS OF THE PLAN SET.
32. ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
33. ALL REUSE MAINS SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE SHALL BE INSTALLED DURING THE BACKFILLING 12 INCHES ABOVE AND DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "CAUTION - REUSE MAIN BURIED BELOW". THE TAPE SHALL BE PLASTIC, NON-METALLIC AND BE PURPLE IN COLOR.
34. ALL REUSE MAINS SHALL BE CONTINUOUSLY UNDERLAIN WITH 10 GAGE, SINGLE STRAND, THIN SOLID COPPER-CLAD STEEL TRACING WIRE. THE WIRE SHALL HAVE PURPLE INSULATION AND INSTALLATION SHALL CONFORM TO THE DETAIL DRAWINGS.
35. ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD 88.)
36. ALL REUSE MAINS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C600 FOR DUCTILE IRON PIPE; C905 FOR PVC PIPE; ASTM F2164 FOR HDPE PIPE. HYDROSTATIC TESTING FOR ALL PIPE MATERIAL SHALL BE 150 PSI FOR A MINIMUM OF 2 HOURS.
37. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL TO THE CITY OF PALM COAST PRIOR TO PROCUREMENT.
38. THE CONTRACTOR SHALL VIDEO THE ENTIRE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION. ONE COPY OF THE PRE-CONSTRUCTION VIDEO SHALL BE SUBMITTED TO THE CITY OF PALM COAST.
39. REUSE EXISTING VALVES AND FITTINGS WHERE CONDITIONS ALLOW AND WHICH HAVE BEEN DETERMINED TO BE IN GOOD CONDITION AND IN WORKING ORDER. THE CITY OF PALM COAST SHALL MAKE THE DECISION REGARDING THE INCORPORATION OF USED MATERIAL INTO THE WORK.
40. THE CONTRACTOR SHALL SUBMIT TO THE CITY OF PALM COAST A CONSTRUCTION SCHEDULE ADDRESSING THE INTERRUPTION OF SERVICE IN THE REUSE DISTRIBUTION SYSTEM. IT IS THE INTENT OF THE CONTRACT FOR THE CONTRACTOR TO FIELD INVESTIGATE ALL POSSIBLE METHODS TO ELIMINATE OR MINIMIZE INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS. UNDER NO CIRCUMSTANCES SHALL THE CONSTRUCTION ACTIVITIES RESULT IN A SYSTEM PRESSURE OF LESS THAN 20 P.S.I..
41. ALL FLANGED COUPLING ADAPTERS SHALL HAVE A MINIMUM OF 4 - 3/4" S S STAINLESS STEEL RESTRAINING RODS EQUALLY SPACED.
42. ALL BURIED UTILITY PIPE TO BE ABANDONED IN PLACE SHALL BE CUT, PLUGGED AND FILLED WITH GROUT.
43. IT IS THE INTENT OF THIS CONTRACT FOR THE CONTRACTOR TO MAINTAIN CONTINUOUS RESTORATION BEHIND THE UTILITY WORK ON A DAILY BASIS. NO MORE THAN FIFTY (50) LINEAR FEET OF UNRESTORED LINE WORK SHALL REMAIN AT THE END OF EACH WORK DAY.

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Discipline Principal, FL License No. 40772. 2025-09-15. This item has been digitally signed and sealed by Mitchell Lee Griffin on the date adjacent to the seal. Signature must be verified on any electronic copies.

Table with 3 columns: NO., DATE, DESCRIPTION. Row 1: 1.0, 2025-08-20, TECHNICAL SITE PLAN APPLICATION. Row 2: 2.0, 2025-01-29, TECHNICAL SITE PLAN - 2ND SUBMISSION.

GUMBO. PROJECT ADDRESS: 1035 TOWN CENTER BLVD, PALM COAST, FL 32164. Project Number: K4018368. Drawn By: CEW, Approved By: MG, Design Team: Civil.

GENERAL NOTES. Discipline: CIVIL. Scale: Sheet Size: A0 - 33.1" x 46.8". Sheet Number: C-002. Current Rev: 2.0. Phase: TECHNICAL SITE PLAN APPLICATION. Model Name: GUMBO-CIVIL. Native File Format: Autodesk Civil 3D 2022.