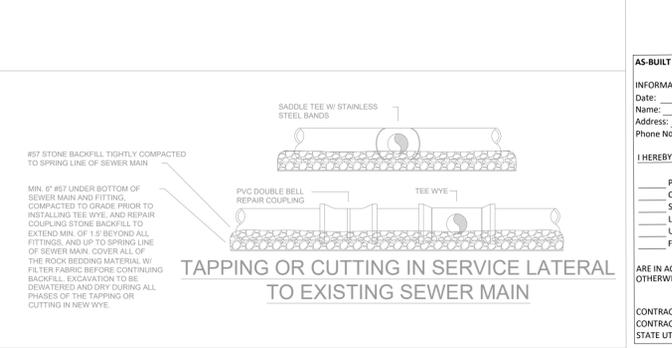


- NOTES**
- SEE CITY OF ST AUGUSTINE APPROVED MATERIALS MANUAL AND SYSTEM DETAILS FOR REQUIREMENTS.
 - SINGLE BAND SADDLES MAYBE UTILIZED ON NEW 1" WATER SERVICES WHICH ARE INSTALLED ON A DRY 10" SIZE OR SMALLER WATER MAIN (NEW WATER MAIN CONSTRUCTION). FOR WET TAPS OR WATER MAINS 12" SIZE AND LARGER, A DOUBLE BAND SADDLE IS REQUIRED.
 - NO OPEN CUT UNDER ROADWAY PAVING ALLOWED UNLESS THE ROADWAY IS BEING RECONSTRUCTED OR IF DIRECTED OTHERWISE BY CITY OF ST AUGUSTINE. CONSTRUCT POLY LINE WITH 36" (MIN.) COVER UNDER ROADWAYS. THE POLY WATER SERVICE LINE SHALL BE SAME SIZE AS THE METER (3/4" MINIMUM) AND BE INSTALLED PERPENDICULAR TO THE MAIN AND NOT EXCEED 100LF UNLESS OTHERWISE APPROVED BY CITY OF ST AUGUSTINE.
 - INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS "NOT IN USE" (I.E., IF NO METER IS INSTALLED). IN ADDITION, INSTALL A 6" P.T. FENCE POST (TOP PAINTED BLUE) 12" OFF SIDE OF METER BOX. THE REMOVAL OR TRANSFER OF A WATER SERVICE SHALL INCLUDE BRASS METER COUPLINGS (HEX ON BARREL TYPE).
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE BOXES, METERS OR ELECTRONIC DEVICES IF DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.
 - METER BOX AND TOP SHALL BE CLEAR OF ALL DEBRIS TO ALLOW FULL ACCESS TO BOX (I.E., NO DIRT, TRASH OR OTHER DEBRIS PLACED ON TOP OF BOX).
 - LOCATE WIRING REQUIRED ON ALL LONG AND SHORT SERVICES.

WATER SERVICE DETAIL- 2" AND SMALLER METER



UTILITY NOTES

U2 M.J. TEE
 U7 PROPOSED LOCATION FOR WATER SERVICE LATERAL TO THE INTO BUILDING.
 U8 PROPOSED LOCATION FOR SANITARY SERVICE LATERAL TO THE INTO BUILDING.

1" HDPE WATER MAIN

SEWER PUMPING STATION CALCULATION SUMMARY:
 SEWER FLOW RATE: 500GPD
 DOWNSTREAM CONNECTION PRESSURE: 60TDH PER CDSA
 SIZE OF FM: 2"
 GRINDER PUMP MODEL: LIBERTY D369L6SG
 PUMP MOTOR: (2) 2HP
 OPERATING POINT FLOW RATE @ HEAD: 36GPM @ 70TDH
 PS TOP ELEV.: 38.50 FT
 FM CONNECTION HW: 54.33 FT
 ALARM LEVEL: 54.05 FT
 PS INFLUENT INV.: 33.16 FT
 PUMP ON ELEV.: 33.58 FT
 PUMP OFF ELEV.: 31.58 FT
 PS BOTTOM ELEV.: 30.50 FT

NOTE:
 1) EXISTING SEPTIC TANK WILL BE DECOMMISSIONED FILLED WITH DIRT, AND LEAVE IN PLACE.
 2) EXISTING SEPTIC DRAIN FIELD WILL BE DECOMMISSIONED AND REMOVED IN ACCORDANCE TO COUNTY HEALTH DEPARTMENT AND FDEP STANDARDS.
 3) PUMP STATION SHALL HAVE ALARM BELL/LIGHT.

SPECIMEN TREE NOTES:

- WHERE GRADE CUTS ARE NECESSARY UNDER SPECIMEN TREES, PROPER ROOT PRUNING SHALL BE REQUIRED. WITHIN THE TREE'S PROTECTED AREA, ALL EXCAVATION SHALL BE BY HAND, AND ROOTS TWO (2) INCHES AND LARGER SHALL BE EVENLY CUT.
- WHEN UNDERGROUND UTILITIES ARE NECESSARY UNDER SPECIMEN TREES, TUNNELING SHALL BE REQUIRED. THE UNDERGROUND UTILITY TUNNEL SHALL BEGIN AT THE TREE'S PROTECTED AREA AND BE A MINIMUM OF FOUR (4) FEET DEEP. NO OPEN VERTICAL TRENCHES SHALL BE ALLOWED WITHIN A SPECIMEN TREE'S PROTECTED AREA. LDC 4.01.05.D4&5.
- COUNTY STAFF AND CERTIFIED ARBORIST SHALL BE CONTACTED TO MONITOR ANY ACTIVITIES WITHIN THE DRIP LINE OF THE SPECIMEN TREE PRIOR TO CONDUCTING THOSE ACTIVITIES.

AS-BUILT - PROFESSIONAL SURVEYOR AND MAPPER CERTIFICATION

INFORMATION PROVIDED BY:
 Date: 01/09/2025
 Name: IME Civil and Surveying, LLC
 Address: 1870 County Road 214, St. Augustine, FL 32084
 Phone No.: 904-429-7764

I HEREBY CERTIFY THAT THE

Pavement	Chilled Water
Curb & Gutter	Water Main
Storm & Drainage System	Reclaimed Water Main
Lake or Pond	Force Main
Underdrain Connections	Sanitary Gravity System
Fire Water Main	Lift Station

ARE AT THE HORIZONTAL AND VERTICAL LOCATIONS AS SHOWN ON THESE "AS-BUILT" DRAWINGS AND THE ACCOMPANYING ELECTRONIC FILE HAVE BEEN LOCATED AND MAPPED UNDER MY DIRECTION AND OBSERVATION IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING AND MAPPING IN THE STATE OF FLORIDA AS PER CHAPTER 54-17.051 AND 54-17.052, F.A.C. AND THE CITY OF ST. AUGUSTINE STANDARDS FOR AS-BUILT DRAWINGS. I FURTHER CERTIFY THAT THE CONTRACTOR'S WORD OR SKETCH (OR OTHER ENTITY) WAS NOT USED TO REPLACE ON-SITE SURVEY METHODS TO RECORD THE AS-BUILT DATA REPRESENTED HEREON AND IN THE ELECTRONIC FILE.

ELECTRONIC DRAWING FILE NAME: 071218.6 - 130 N Volusia - ASBUILTS.dwg
 FILE DATE: 02/03/2025
 DATE OF FIELD SURVEY: 01/29/2025

SIGNATURE: _____
 NAME: Brandon D. Shugart
 PSM No.: FL PSM7009

DATE: _____

THIS REPORT AND ELECTRONIC FILE ARE NOT FULL AND COMPLETE WITHOUT THE OTHER AND ARE NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.

REVISION NOTE: PIPE SIZES UPDATED PER CONTRACTOR COMMENTS 04/30/2024

AS-BUILT - CONTRACTOR CERTIFICATION

INFORMATION PROVIDED BY:
 Date: _____
 Name: _____
 Address: _____
 Phone No.: _____

I HEREBY CERTIFY THAT THE

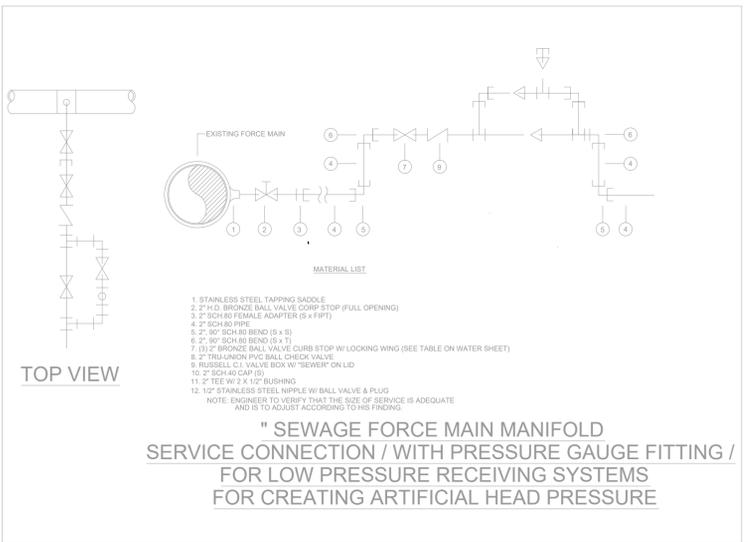
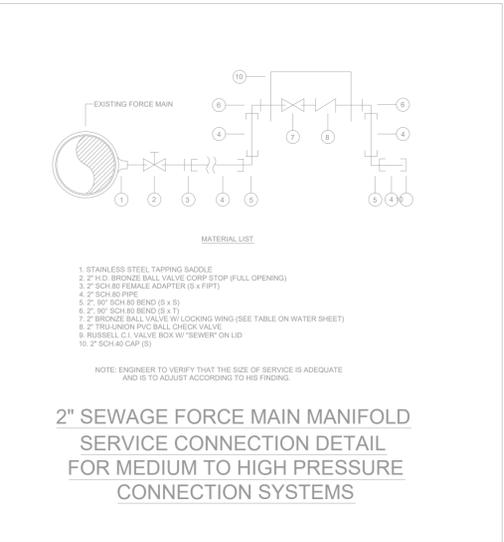
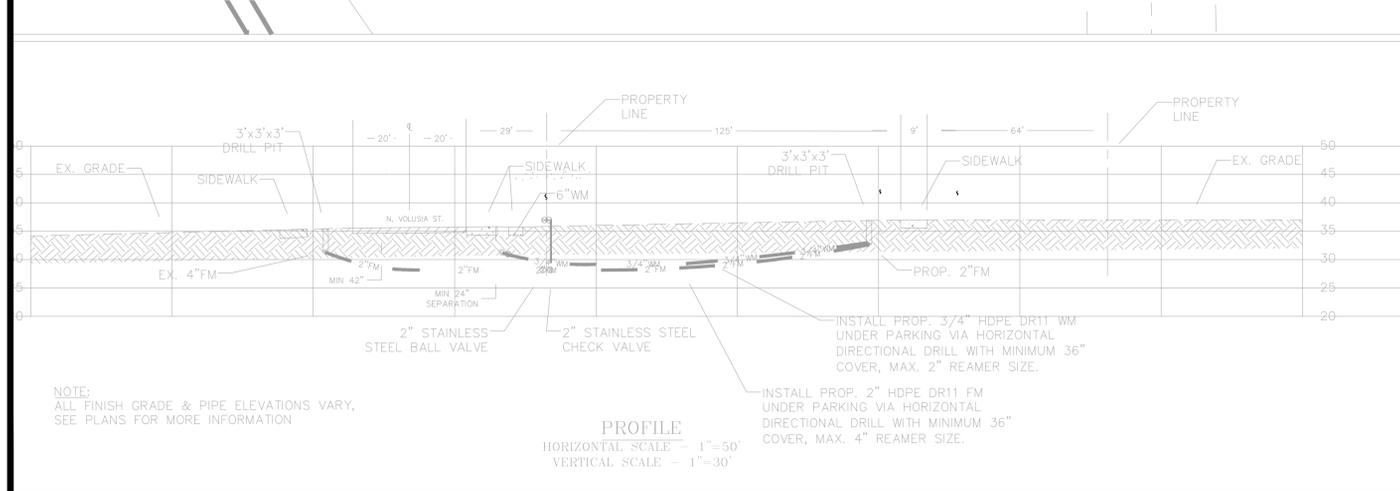
Pavement	Chilled Water
Curb & Gutter	Water Main
Storm & Drainage System	Reclaimed Water Main
Lake or Pond	Force Main
Underdrain Connections	Sanitary Gravity System
Fire Water Main	Lift Station

ARE IN ACCORDANCE WITH THE APPROVED PLANS AND CITY STANDARDS, UNLESS OTHERWISE APPROVED BY THE CITY.

CONTRACTOR'S SIGNATURE: _____ DATE: _____
 CONTRACTOR'S NAME: BRIAN ELY
 STATE UTILITIES LICENSE NO.: _____

UTILITY AS-BUILT

CITY OF ST. AUGUSTINE



2510 US 1 SOUTH SUITE D
 ST. AUGUSTINE, FL 32086
 PHONE: (904) 793-1760
 FAX: (904) 793-1768
 qvo60@mc-engineer.com

MAI ENGINEERING SERVICES, INC.

REGISTERED PROFESSIONAL ENGINEER
 LICENSE NO. CA10004, CA1
 FL #6-4006, CA#28162

UTILITIES PLAN
 808 BOUNCE
 ST. AUGUSTINE, FLORIDA
 PREPARED FOR
 808 BOUNCE LLC

DATE: 5/2/2023

DSGN BY: QHM
 DWG BY: GMG
 CHK BY: QHM
 DATE: 5/2/2023