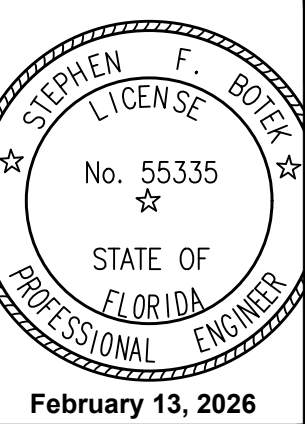


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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY STEPHEN F. BOTEK, P.E. ON THE DATE ADJACENT TO THE SEAL.

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WATER AND SANITARY SEWER PLAN

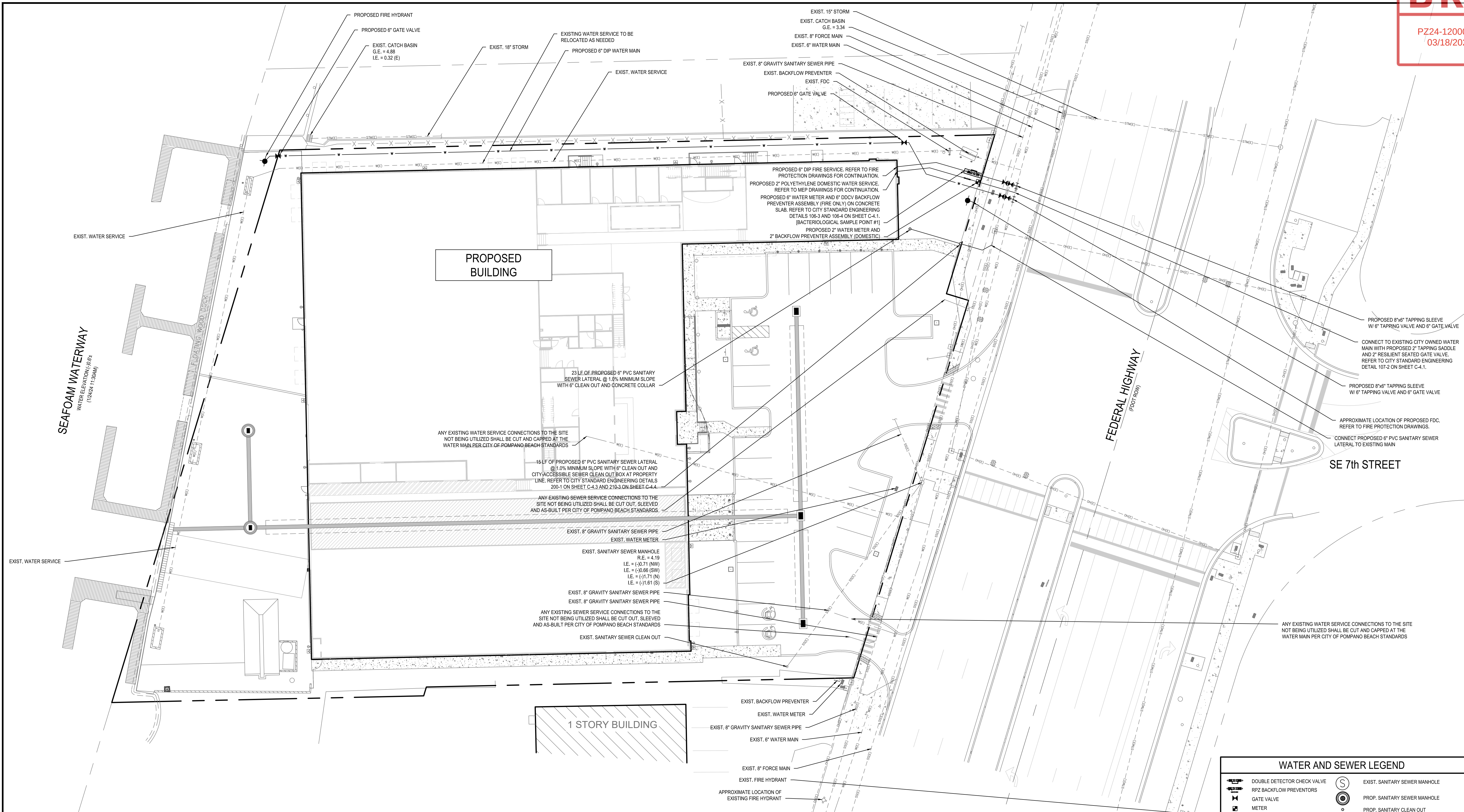
**POMPANO BEACH MARINE CENTER**  
701 Federal Highway  
Pompano Beach, Florida 33062

**Botek Thurlow Engineering, Inc.**  
3400 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309  
www.botekthurlow-eng.com P: 954-568-8888 F: 954-568-0757

BTE PROJECT #:  
**23-1102**

PROJECT DATE:  
**7-9-25**

SHEET #:  
**C-4**



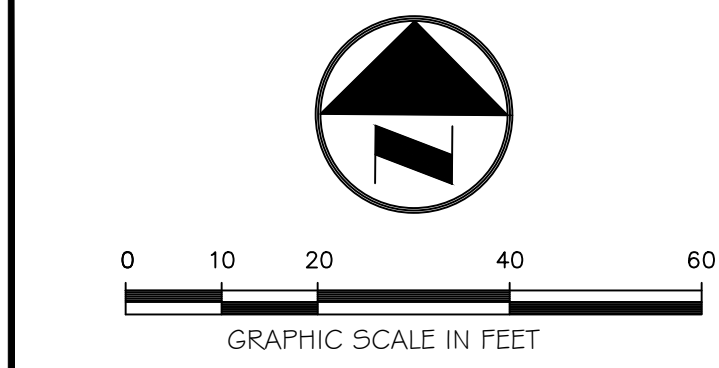
- UNDERGROUND UTILITIES NOTES:**
- SITE MAY CONTAIN EXISTING UTILITIES (DOMESTIC WATER, IRRIGATION, TELEPHONE, ELECTRIC, GAS, STORM DRAINAGE, SANITARY SEWER AND OTHERS).
  - NOT ALL** EXISTING UTILITIES ARE SHOWN HEREON. SOME ARE SHOWN ON THIS PLAN AS OBTAINED FROM UTILITY LOCATES, ATLASSES AND THE SURVEY.
  - ALL EXISTING UTILITIES WITHIN THE BOUNDARY OF THE SITE ARE TO BE REMOVED - EXCEPT WHERE NOTED OTHERWISE (SUCH AS "TO REMAIN" TO BE RELOCATED) ETC.). THIS PLAN IS LIMITED TO WATER AND SANITARY SEWER ONLY. NO DESIGN OF FPL, COMCAST, GAS, TELEPHONE IS SHOWN HEREON.
  - CONTRACTOR IS RESPONSIBLE FOR SEQUENCING ALL UTILITY REMOVAL/RELOCATION SUCH THAT NO OTHER USER OF SAID IS AFFECTED.
- FIRE LINE NOTES:**
- ALL PROPOSED FIRE MAINS, SERVICES, "SIAMSE" CONNECTION LINES ETC. MUST BE INSTALLED BY A STATE LICENSED FIRE LINE CONTRACTOR PER FLORIDA STATUTE 633.
  - ALL FIRE LINES ARE TO BE INSPECTED BY CERTIFIED FIRE LINE INSPECTORS PRIOR TO BEING PLACED INTO SERVICE.
  - UPON COMPLETION OF REQUIRED TESTING A STATE LICENSED FIRE LINE CONTRACTOR SHALL ISSUE A "LICENSED UNDERGROUND TEST CERTIFICATE". THE CERTIFICATE MUST BE ISSUED AND THE FIRE LINE MUST BE ACCEPTED BY THE BROWARD COUNTY HEALTH DEPT. (WHERE APPLICABLE) PRIOR TO BEING PLACED INTO SERVICE.
  - FIRE LINE SYSTEM COMPONENTS (FDC, DDV, FIRE LINE PIPING, ETC.) SHOWN ON THESE PLANS ARE TO BE COORDINATED WITH THE FIRE PROTECTION DRAWINGS AND DESIGN AND FIRE PROTECTION SHOP DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO INSTALLATION OF ANY PORTION OF THE FIRE PROTECTION SYSTEM.

- CITY OF POMPAÑO BEACH WATER AND SEWER NOTES**
- ANY EXISTING WATER AND/OR SEWER SERVICE CONNECTIONS TO THE SITE NOT BEING UTILIZED SHALL BE CUT AND CAPPED AT THE WATER MAIN IF A WATER SERVICE AND CUT OUT AND SLEEVED IF A SEWER LATERAL. SEWER LATERALS THAT ARE CUT AND CAPPED SHALL BE AS-BUILT PER CITY OF POMPAÑO BEACH AS-BUILT STANDARDS.
- HOW TO RETIRE OLD SEWER LATERALS:**
- IF THE EXISTING MAIN IS CLAY PIPE AND A CIPP LINDER IS INSTALLED - INSTALL A SECTIONAL LINER IN THE MAIN OVER THE OLD LATERAL, THUS ELIMINATING THE LATERAL.
  - IF THE EXISTING MAIN IS A CLAY PIPE - DIG DOWN CUT OLD CLAY PIPE. SLEEVE BACK IN WITH PVC AND CITY APPROVED COUPLINGS.
  - IF THE EXISTING MAIN IS CLAY PIPE, YOU MUST RETIRE MULTIPLE LATERALS FOR A PROJECT. IT MAY BE CHEAPER FOR THE CONTRACTOR TO INSTALL A CITY APPROVED CIPP LINER FROM MANHOLE TO MANHOLE AND NOT CUT OUT THE LATERALS THAT THEY ARE RETIRING.
  - IF THE EXISTING MAIN IS PVC PIPE - REMOVE THE LATERAL PIPE FROM THE PVC WYE FITTING AND INSTALL A PLUG INTO THE WYE. INSTALL A GREEN LOCATING MARKING BALL AT THE LATERAL LOCATION, NO DEEPER THAN 4 FEET BELOW GRADE.
- GENERAL WATER NOTES**
- NO GATE VALVES IN CURBS.
  - WATER SHALL BE AVAILABLE TO FIRE HYDRANTS BEFORE INTERIOR BUILDING CONSTRUCTION CAN BEGIN.
  - ALL EXISTING WATER SERVICES TO THE PROPERTY THAT ARE NOT BEING RE-USED SHALL BE CUT AND CAPPED AND ABANDONED IN ACCORDANCE WITH THE PUBLIC UTILITY'S MINIMUM STANDARDS.
  - AFTER WATER CONNECTIONS, RESTORE ALL RIGHT OF WAY (PAVEMENT, SIDEWALK, CURB, ETC.) IN ACCORDANCE WITH CITY OF POMPAÑO BEACH AND/OR FDOT MINIMUM STANDARDS.
  - ALL ELEVATIONS SHOWN IN THIS PLAN ARE IN THE NAVD DATUM. WHERE ELEVATIONS WERE REQUIRED TO BE CONVERTED, THE FOLLOWING CONVERSION WAS USED: NAVD = NGVD - 1.51'
  - ALL EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED ON THE BEST AVAILABLE INFORMATION. THE EXISTING UTILITY INFORMATION SHOWN HERE IS FOR THE CONTRACTOR'S CONVENIENCE AND THE E.O.R. ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. BEFORE COMMENCING CONSTRUCTION CONTRACTOR TO CALL FOR UTILITY LOCATES, VERIFY ALL EXISTING UTILITIES LOCATIONS AND DEPTHS, AND NOTIFY E.O.R. OF ANY CONFLICTS.

- GENERAL SANITARY SEWER NOTES**
- SLOPE OR PITCH SANITARY SEWER MANHOLE CASTINGS WITH DESIGN ROAD SECTIONS.
  - ALL SANITARY SEWER CLEANOUTS LOCATED IN ROADWAY ARE TO BE TRAFFIC-RATED.
  - ALL EXISTING SANITARY SERVICES TO THE PROPERTY THAT ARE NOT BEING RE-USED SHALL BE CUT AND CAPPED AND ABANDONED IN ACCORDANCE WITH THE PUBLIC UTILITY'S MINIMUM STANDARDS.
  - AFTER SEWER CONNECTIONS, RESTORE ALL RIGHT OF WAY (PAVEMENT, SIDEWALK, CURB, ETC.) IN ACCORDANCE WITH CITY OF POMPAÑO BEACH AND/OR FDOT MINIMUM STANDARDS.
  - MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS ARE TO BE SEALED WITH NONSHRINKING MORTAR OR OTHER APPROPRIATE MATERIAL.
  - INLET AND OUTLET PIPES BE JOINED TO THE MANHOLE WITH A GASKETED FLEXIBLE WATERTIGHT CONNECTION OR ANOTHER WATERTIGHT CONNECTION ARRANGEMENT THAT ALLOWS DIFFERENTIAL SETTLEMENT OF THE PIPE AND MANHOLE WALL.
  - WATERTIGHT MANHOLE COVERS SHALL BE USED (RSWF 34.8).
  - SANITARY SEWER SERVICES ARE NOT TO BE PLACED INTO OPERATION UNTIL THE OPERATION LICENSE(S) IS OBTAINED FROM THE RELEVANT ISSUING AUTHORITY.
  - ALL ELEVATIONS SHOWN IN THIS PLAN ARE IN THE NAVD DATUM. WHERE ELEVATIONS WERE REQUIRED TO BE CONVERTED, THE FOLLOWING CONVERSION WAS USED: NAVD = NGVD - 1.51'
  - ALL EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED ON THE BEST AVAILABLE INFORMATION. THE EXISTING UTILITY INFORMATION SHOWN HERE IS FOR THE CONTRACTOR'S CONVENIENCE AND THE E.O.R. ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. BEFORE COMMENCING CONSTRUCTION CONTRACTOR TO CALL FOR UTILITY LOCATES, VERIFY ALL EXISTING UTILITIES LOCATIONS AND DEPTHS, AND NOTIFY E.O.R. OF ANY CONFLICTS.

| WATER AND SEWER LEGEND                |                             |                                       |                               |
|---------------------------------------|-----------------------------|---------------------------------------|-------------------------------|
|                                       | DOUBLE DETECTOR CHECK VALVE |                                       | EXIST. SANITARY SEWER MANHOLE |
|                                       | RP2 BACKFLOW PREVENTORS     |                                       | PROP. SANITARY SEWER MANHOLE  |
|                                       | GATE VALVE                  |                                       | PROP. SANITARY CLEAN OUT      |
|                                       | METER                       |                                       | PROP. METER VAULT             |
|                                       | TEE / TAP                   |                                       | PROP. BACTERIOLOGICAL SAMPLE  |
|                                       | FIRE HYDRANT                |                                       | PROP. REDUCER                 |
|                                       | FIRE DEPT. CONNECTION       |                                       |                               |
|                                       | PROP. PLUG / CAP            |                                       |                               |
| <b>ABBREVIATIONS</b>                  |                             |                                       |                               |
| PROP. SANITARY SEWER PIPE             | SS                          | PROP. UNKNOWN UNDERGROUND             | UNKNOWN                       |
| PROP. WATER PIPE                      | WS                          | EXIST. FP UNDERGROUND                 | FP                            |
| EXIST. WATER PIPE                     | WS                          | EXIST. BROWARD TRAFFIC COMMUNICATIONS | BTCC                          |
| EXIST. SANITARY SEWER PIPE            | SS                          | EXIST. BROWARD FIBER OPTIC            | BF                            |
| EXIST. STORM PIPE                     | ST                          | EXIST. COMCAST UNDERGROUND            | CM                            |
| EXIST. ATT UNDERGROUND                | ATT                         | EXIST. ELECTRICAL UNDERGROUND         | EL                            |
| EXIST. UNKNOWN UNDERGROUND            | UNKNOWN                     | EXIST. ATT UNDERGROUND                | ATT                           |
| EXIST. BROWARD TRAFFIC COMMUNICATIONS | BTCC                        | EXIST. OVERHEAD                       | OH                            |
| EXIST. BROWARD FIBER OPTIC            | BF                          | EXIST. TELEPHONE UNDERGROUND          | TEL                           |
| EXIST. COMCAST UNDERGROUND            | CM                          |                                       |                               |
| EXIST. ELECTRICAL UNDERGROUND         | EL                          |                                       |                               |
| EXIST. FIBER OPTIC UNDERGROUND        | FO                          |                                       |                               |

SYMBOLS FOR FITTINGS, VALVES, ETC. ARE DIAGRAMMATIC ONLY AND DO NOT REFLECT ACTUAL SIZE; FOR ACTUAL DIMENSIONS REFER TO MANUFACTURER'S SPECIFICATIONS.



Always call 811 two full business days before you dig to have underground utilities located and marked.

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