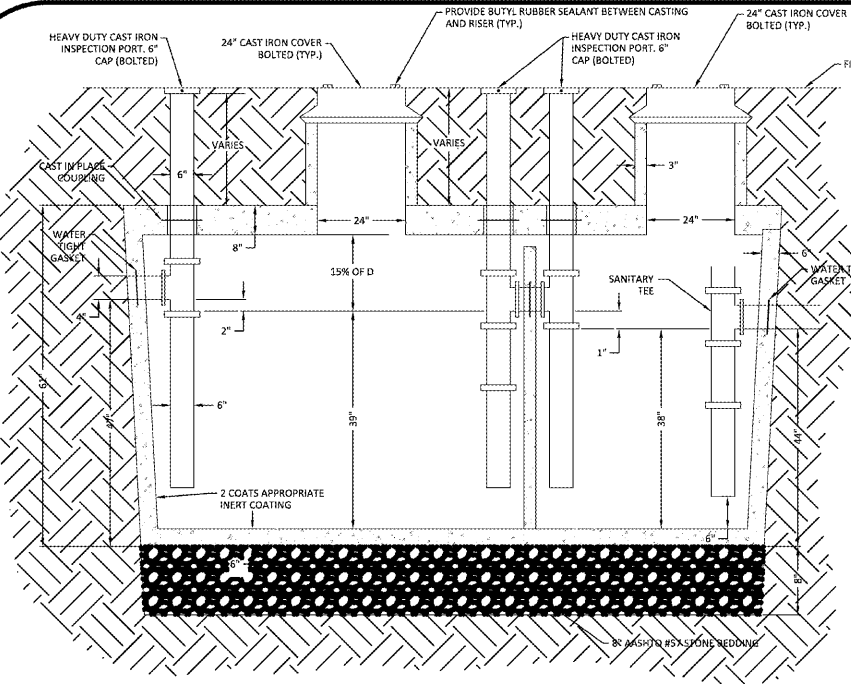


**WAWA UTILITY DETAILS**

REV. JULY 28, 2016



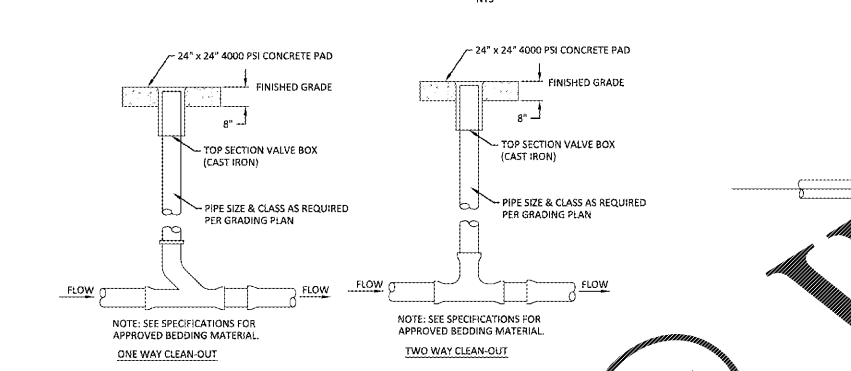
ALL INLET AND OUTLET PIPES SHALL BE INSTALLED NO MORE THAN 6" FROM THE BOTTOM OF THE GREASE TRAP. TANK TAPERS TOP TO BOTTOM AND IS TRAPEZOIDAL IN CROSS SECTION. TANK IS 5000 PSI CONCRETE-STEEL REINFORCED (@ 28 DAYS) CONCRETE CONFORMS TO ACI 318-16-4.5.1 AND 318-16-4.5.2, ASTM A615 AND A185

• DIMENSION: 10'7" INTERIOR/ 11'7" EXTERIOR LENGTH x 5'2" INTERIOR/ 6'2" EXTERIOR WIDTH

NOTES:

- WHEN LOCATED IN DRIVEWAYS OR PAVED AREAS, GREASE TRAP TO BE DESIGNED FOR APPROPRIATE LOAD BEARING CONDITIONS. GREASE TRAP SHALL BE CAPABLE OF WITHSTANDING HS-20 LOADING.
- ALL PIPE PENETRATIONS SHALL BE WATERTIGHT.
- GREASE TRAP SHALL BE PROVIDED WITH GAS-TIGHT MANHOLE COVERS, IN ACCORDANCE WITH TOWNSHIP STANDARD SPECIFICATIONS.
- PRECAST CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH 5000 PSI.
- EXTERIOR CONCRETE SURFACES BELOW GRADE SHALL HAVE 2 COATS OF COAL TAR EPOXY.
- SPECIFIC SEALANT DETAIL AT CONCRETE RISER TO CONCRETE VAULT INTERFACE SHALL BE WATERTIGHT. AT A MINIMUM, THE JOINT SHALL BE SEALED WITH BUTYL RUBBER SEALANT (KENT SEAL #2 OR APPROVED EQUIVALENT) AND THE EXTERIOR OF THE JOINT SHALL BE SEALED WITH NON-SHRINK GROUT IN CONFORMANCE WITH THE TOWNSHIP STANDARD GREASE TRAP DETAIL.
- TANK SHALL BE TESTED FOR WATER TIGHTNESS BY FILLING FOR 24 HRS. TO SOAK, THEN TOPPED OFF, AND THEN WATCHED FOR 24 HRS. NO DROP IN WATER IS ALLOWED.
- CAST IRON SHALL BE BOLTED TO CONCRETE WITH MASTIC TAPE (KENT SEAL OR APPROVED EQUIVALENT) SEALANT.
- MAXIMUM EARTH COVER=5.0', HS-20 LOADING.
- INLET AND OUTLET EQUIPPED WITH PIPE SEALS.

**GREASE TRAP DETAIL**  
NTS

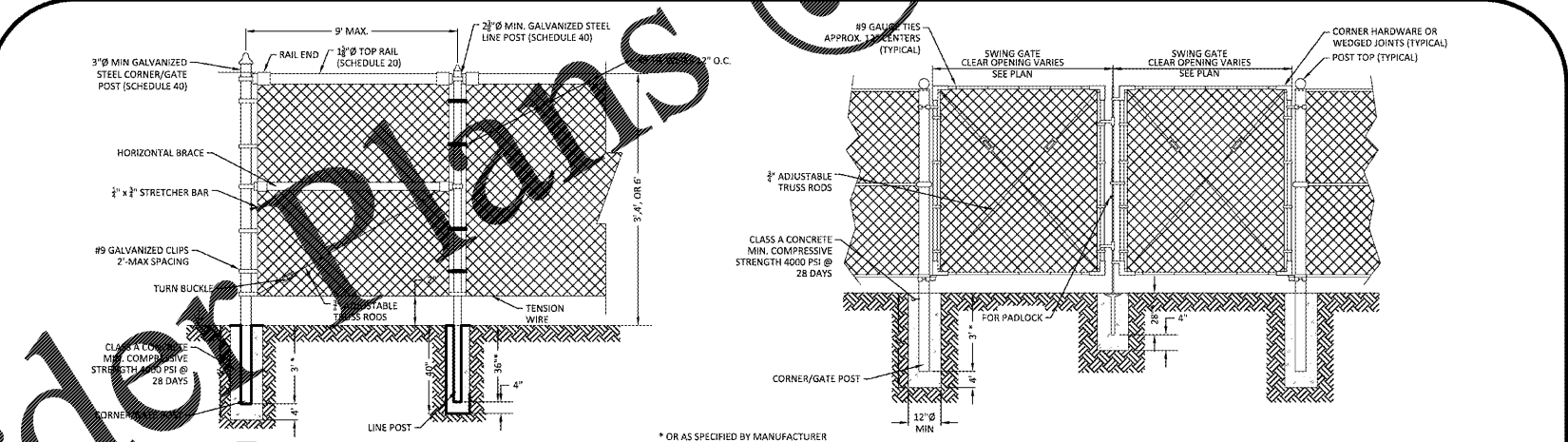


**CLEAN OUT DETAIL**  
NTS

**FLOWLINE BACKFLOW PREVENTER PAD DETAIL**  
NTS

**WAWA FENCE DETAILS**

REV. JULY 28, 2016



NOTE:

- GALVANIZED WIRE MESH FENCE TO BE 9 GAUGE WITH BLACK VINYL COATING.
- POSTS, RAILS, AND ALL HARDWARE TO BE GALVANIZED STEEL WITH BLACK VINYL COATING.
- CONTRACTOR TO ADHERE TO LOCAL SPECIFICATION IF MORE STRINGENT.
- TRUSS BARS ARE REQUIRED FOR EACH GATE SECTION AND THE FIRST SPAN ON EACH SIDE OF A CORNER POST ONLY.

**CHAIN LINK FENCE DETAIL**  
NTS

**FOR SITE ACCESSIBILITY PLAN**

REVISED JULY 28, 2016

**SITE LEGEND**

- ACCESSIBLE AREAS SEE REQUIREMENTS BELOW
- PROJECT BOUNDARY
- CROSSWALK TO MEET ADA SPECIFICATIONS AND FOOT INDEX 304 AND 1734R. MAX CROSS SLOPE 2%, SEE REQUIREMENTS BELOW.
- RAMPS TO MEET ADA SPECIFICATIONS, FOOT INDEX 304 & FLORIDA ACCESSIBILITY CODE 4.1.2 (1). SEE REQUIREMENTS BELOW.

**ACCESSIBILITY REQUIREMENTS**

- GENERAL: ALL PEDESTRIAN USE AREAS (INCLUDING SIDEWALK AROUND BUILDING) TO MEET AMERICANS WITH DISABILITIES ACT AND FLORIDA ACCESSIBILITY CODE SPECIFICATIONS.
- ACCESSIBLE ROUTES, AS REQUIRED BELOW, SHOULD MEET THE FOLLOWING:
  - a. MAXIMUM DESIGN CROSS SLOPE: 1:48 (2.08%)
  - b. MAXIMUM DESIGN LONGITUDINAL SLOPE: 1:20 (5%)
  - c. MINIMUM WIDTH: 36"
  - d. RAMP MAXIMUM RISE (NO PAVERS)
  - e. RAMP MAXIMUM SLOPE: 1:12
- EMERGENCY EXITS: MINIMUM 60% OF EMERGENCY EXITS TO HAVE AN ACCESSIBLE ROUTE TO BE DEFINED ABOVE AND FAR FROM BUILDING.
- HANDICAP PARKING: SEE PLAN
  - a. TOTAL NUMBER OF SPACES PER ACCESSIBLE ROUTE: 2
  - b. MINIMUM UNPAVED NUMBER OF SPACES PER FLORIDA ACCESSIBILITY CODE & AMERICANS WITH DISABILITIES ACT
  - c. MAXIMUM DESIGN CROSS SLOPE: 1:48 (2.08%)
- PUMPS: AN ACCESSIBLE ROUTE, AS DEFINED ABOVE, IS REQUIRED FROM MAIN ENTRANCE TO THE NEAREST FUELING POSITION.
- EMERGENCY STOPS: AN ACCESSIBLE ROUTE, AS DEFINED ABOVE, IS REQUIRED FROM THE BUILDING AND CANOPY TO THE NEAREST EMERGENCY STOP.
- PEDESTRIAN CONNECTIONS TO PUBLIC TO BE AN ACCESSIBLE ROUTE, AS DEFINED ABOVE.
- HANDICAP OUTDOOR DINING TABLE:
  - a. WHEELCHAIR DINING POSITION MAXIMUM DESIGN CROSS SLOPE: 1:48 (2.08%)
- AIR PUMP:
  - a. 16'X20' ACCESSIBLE AREA REQUIRED ADJACENT TO AIR PUMP
  - b. ACCESSIBLE AREA MAXIMUM DESIGN CROSS SLOPE: 1:48 (2.08%)
  - c. AIR PUMP SHOULD BE WITHIN 10' OF AN ACCESSIBLE ROUTE, AS DEFINED ABOVE.
  - d. AIR PUMP MAXIMUM HEIGHT RELATIVE TO ACCESSIBLE ROUTE: 48"
- DRIVEWAY CONNECTIONS ACROSS SIDEWALKS:
  - a. RAMPS TO MEET REQUIREMENTS, AS DESCRIBED ABOVE UNDER ACCESSIBLE ROUTES.
  - b. CROSSWALKS ACROSS DRIVEWAYS TO BE AN ACCESSIBLE ROUTE AS DESCRIBED ABOVE.

**AS-BUILT CHECKLIST**

INITIALS THAT MEET REQUIREMENTS. CONTRACTOR TO COMPLETE AND PROVIDE TO ENGINEER WITHIN 30 DAYS PRIOR TO C.C. TO BE CO-INITIALED BY CONTRACTOR & PROVIDED TO ENGINEER PRIOR TO ERECTING CURB. FOR ISSUES, DISCREPANCIES, ETC ADJACENT TO INITIAL BOXES.

CONTRACTOR	ENGINEER
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

**CONTRACTOR CERTIFICATION:**

I CERTIFY THAT THE ITEMS INITIALED ABOVE HAVE BEEN VERIFIED TO MEET THE REQUIREMENTS SPECIFIED ABOVE.

COMPANY NAME: \_\_\_\_\_  
 NAME OF SIGNATOR: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

**ENGINEER REVIEW:**

**DESIGN:** THE ACCESSIBLE AREAS SHOWN ON THIS PLAN WERE DESIGNED TO MEET THE ACCESSIBILITY REQUIREMENTS SPECIFIED ABOVE.

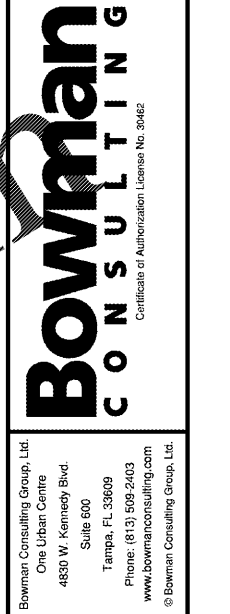
**AS BUILT:** BASED ON REVIEW OF THE AS-BUILT SURVEY PROVIDED BY \_\_\_\_\_, DATED \_\_\_\_\_, IT IS OUR OPINION THAT THE ITEMS INITIALED ABOVE MEET THE REQUIREMENTS SPECIFIED ABOVE.

COMPANY NAME: \_\_\_\_\_  
 NAME OF SIGNATOR: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 LICENSE NUMBER: \_\_\_\_\_

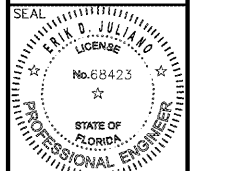
SIGNATURE, SEAL, DATE: \_\_\_\_\_

**NOTES:**

- SITE PLAN: SEE SITE PLAN FOR AIR PUMP LOCATION, DIMENSIONS, ETC.
- GRADING PLAN: SEE GRADING PLAN FOR GRADING DESIGN.
- SITE DETAILS: SEE SITE DETAILS SHEET FOR ACCESSIBILITY AND OTHER DETAILS.
- ARCHITECTURAL PLANS: ARCHITECTURAL PLAN REFERENCES ARE FOR INFORMATIONAL PURPOSES ONLY. REFER TO ARCHITECTURAL PLANS FOR ACTUAL LOCATIONS AND SPECIFICATIONS.



**WAWA STANDARD DETAILS**  
**WAWA**  
**COUNTRYSIDE BLVD & U.S. HWY 19**  
**CLEARWATER, PINELLAS COUNTY**  
**FLORIDA**



ERIK D. JULIANO, P.E.  
 LICENSE NO. 68423  
 05/24/2017

PLAN STATUS	DATE	REVIEW
DESIGN	02/16/17	JM
DRAWN	03/09/17	JM
CHKD	05/16/17	JM

DATE	DESCRIPTION
02/16/17	DESIGN REVIEW
03/09/17	DRAWING REVIEW
05/16/17	CITY REVIEW