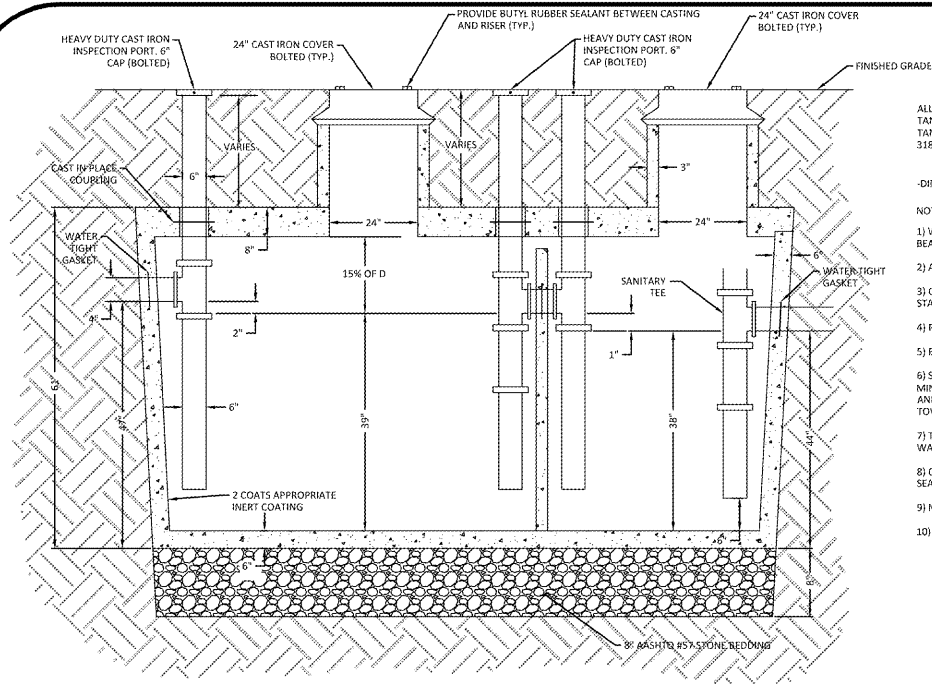


# WAWA UTILITY DETAILS

REV. JULY 28, 2016



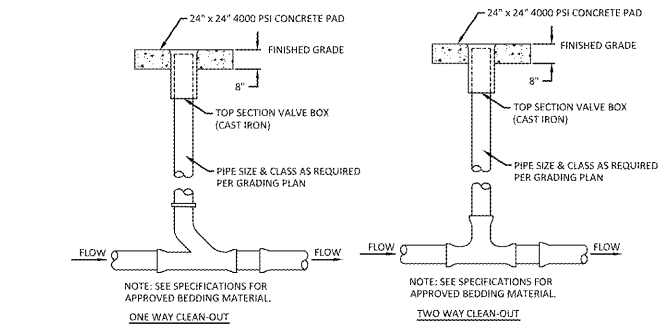
NOTE: 1250 GALLON (2 COMPARTMENT) TANK  
**GREASE TRAP DETAIL**  
NTS

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) CONFORMS TO ACI 318-16-4.5.1 AND 318-16-4.5.2, ASTM A615 AND A183

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

NOTES:

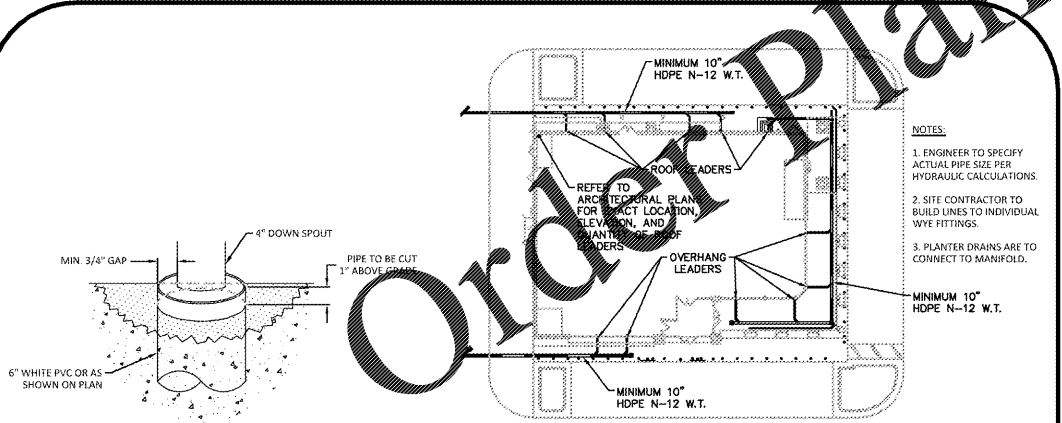
- 1) WHEN LOCATED IN DRIVEWAYS OR PAVED AREAS, GREASE TRAP TO BE DESIGNED FOR APPROPRIATE LOAD BEARING. CONDITIONS. GREASE TRAP SHALL BE CAPABLE OF WITHSTANDING HS-20 LOADING.
- 2) ALL PIPE PENETRATIONS SHALL BE WATERTIGHT.
- 3) GREASE TRAP SHALL BE PROVIDED WITH GAS-TIGHT MANHOLE COVERS, IN ACCORDANCE WITH TOWNSHIP STANDARD SPECIFICATIONS.
- 4) PRECAST CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH 5000 PSI.
- 5) EXTERIOR CONCRETE SURFACES BELOW GRADE SHALL HAVE 2 COATS OF COAL TAR EPOXY.
- 6) 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.
- 7) 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.
- 8) CAST IRON SHALL BE BOLTED TO CONCRETE WITH MASTIC TAPE (KENT SEAL OR APPROVED EQUIVALENT) SEALANT.
- 9) MAXIMUM EARTH COVER=5.0', HS-20 LOADING.
- 10) INLET AND OUTLET EQUIPPED WITH PIPE SEALS.



**CLEAN OUT DETAIL**  
NTS

# WAWA DRAINAGE DETAILS

REV. JULY 28, 2016



**ROOF DRAIN CONNECTION DETAIL**  
NTS

**ROOF DRAIN MANIFOLD DETAIL**  
NTS

NOTES:

1. ENGINEER TO SPECIFY ACTUAL PIPE SIZE PER HYDRAULIC CALCULATIONS.
2. SITE CONTRACTOR TO BUILD LINES TO INDIVIDUAL WYE FITTINGS.
3. PLANTER DRAINS ARE TO CONNECT TO MANIFOLD.

# FOR SITE ACCESSIBILITY PLAN

REVISED JULY 28, 2016

## SITE LEGEND

- ACCESSIBLE AREAS  
SEE REQUIREMENTS BELOW
- PROJECT BOUNDARY
- CW  
CROSSWALK TO MEET ADA SPECIFICATIONS AND FOOT INDEX 304 AND 17348. MAX CROSS SLOPE 2%. SEE REQUIREMENTS BELOW.
- SWR  
RAMPS TO MEET ADA SPECIFICATIONS, FOOT INDEX 304 & FLORIDA ACCESSIBILITY CODE 4.1.2 (1) SEE REQUIREMENTS BELOW.

## ACCESSIBILITY REQUIREMENTS

1. GENERAL: ALL PEDESTRIAN USE AREAS (INCLUDING SIDEWALK AROUND BUILDING) TO MEET AMERICANS WITH DISABILITIES ACT AND FLORIDA ACCESSIBILITY CODE SPECIFICATIONS.
2. 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: 3'0"
  - d. RAMP MAXIMUM RISE (NO RAIL): 6"
  - e. RAMP MAXIMUM SLOPE: 1:12
3. EMERGENCY EXITS: MINIMUM 60% OF EMERGENCY EXITS TO HAVE AN ACCESSIBLE ROUTE, AS DEFINED ABOVE, AWAY FROM BUILDING.
4. HANDICAP PARKING & LOADING:
 

TOTAL NUMBER OF SPACES:	48 SPACES
REQUIRED HANDICAP SPACES:	2 SPACES
PROVIDED HANDICAP SPACES:	2 SPACES

  - a. MINIMUM REQUIRED NUMBER OF SPACES PER FLORIDA ACCESSIBILITY CODE & AMERICANS WITH DISABILITY ACT
  - b. MAXIMUM DESIGN CROSS SLOPE: 1:48 (2.08%)
5. GAS PUMPS: AN ACCESSIBLE ROUTE, AS DEFINED ABOVE, IS REQUIRED FROM THE MAIN ENTRANCE TO THE NEAREST FUELING POSITION.
6. EMERGENCY STOPS: AN ACCESSIBLE ROUTE, AS DEFINED ABOVE, IS REQUIRED FROM THE BUILDING AND CANOPY TO THE NEAREST EMERGENCY STOP.
7. PEDESTRIAN CONNECTIONS TO PUBLIC TO BE AN ACCESSIBLE ROUTE, AS DEFINED ABOVE.
8. HANDICAP OUTDOOR SEATING TABLE:
  - a. WHEELCHAIR DINING POSITION MAXIMUM DESIGN CROSS SLOPE: 1:48 (2.08%)
  - b. ACCESSIBLE ROUTES, AS DEFINED ABOVE, ARE REQUIRED FROM THE HANDICAP SPACE AND THE MAIN ENTRANCE TO THE WHEELCHAIR DINING POS.
9. AIR PUMP: ACCESSIBLE AREAS ARE REQUIRED ADJACENT TO AIR PUMP
  - a. TO BE AN ACCESSIBLE ROUTE AS DEFINED ABOVE.
  - b. ACCESSIBLE ROUTE 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"
10. 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

- INITIAL ITEMS THAT MEET REQUIREMENTS.
- CONTRACTOR TO COMPLETE AND PROVIDE TO ENGINEER MINIMUM OF 20 DAYS PRIOR TO C.C.
- TO BE COMPLETED BY CONTRACTOR & PROVIDED TO ENGINEER PRIOR TO ENGINEER'S REVIEW.
- NOTE ISSUES, DEFICIENCIES, ETC ADJACENT TO INITIAL BOXES.

	CONTRACTOR	ENGINEER
1. GENERAL	<input type="checkbox"/>	<input type="checkbox"/>
2. ACCESSIBLE ROUTES	<input type="checkbox"/>	<input type="checkbox"/>
3. EMERGENCY EXITS	<input type="checkbox"/>	<input type="checkbox"/>
4. HANDICAP PARKING & LOADING	<input type="checkbox"/>	<input type="checkbox"/>
5. GAS PUMPS	<input type="checkbox"/>	<input type="checkbox"/>
6. EMERGENCY STOPS	<input type="checkbox"/>	<input type="checkbox"/>
7. PEDESTRIAN CONNECTIONS	<input type="checkbox"/>	<input type="checkbox"/>
8. HANDICAP OUTDOOR SEATING	<input type="checkbox"/>	<input type="checkbox"/>
9. AIR PUMPS	<input type="checkbox"/>	<input type="checkbox"/>
10. DRIVEWAY CONNECTIONS	<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: \_\_\_\_\_

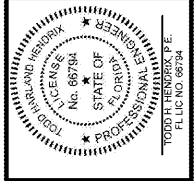
SIGNATURE, SEAL, DATE:  
 \_\_\_\_\_

## NOTES:

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



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**A Full Service A & E Firm**  
 Plans Prepared By:  
**CPH, Inc.**  
 3277A Fruitville Rd., Suite 2  
 Sarasota, FL 34237  
 Ph: 841.366.4771  
 Licenses:  
 Eng. C.O.A. No. 3215  
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 Lndscp. Lic. No. LC0000298



0000 H. HENZEL P.E.  
 F.L.C. NO. 06794

No.	Date	Revision
1	03/06/19	PER MDC DRIVE WAY PERMIT
2	01/08/19	PER PUBLIC WORKS COMMENTS
3	07/18/18	PER DERM COMMENTS
4	06/12/18	PER CITY COMMENTS

Designed: J.G.  
 Drawn: J.C./I.G.  
 Checked: J.L.J.  
 Job No.: U1207  
 Date: OCT / 2017 © 2019

WAWA DETAILS  
**WAWA**  
 3300 NW 87TH AVENUE  
 MIAMI, FLORIDA



THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

Sheet No.  
**C.11**