

PLAN N.T.

E.) ALL PIPE MATERIAL BEFORE THE WATER METER AND RPZ SHALL BE COPPER, DUCTILE IRON OR BRASS.

1" DOMESTIC SERVICE WITHIN BUILDING

WATTS MODEL # 009M2QT (1") BACKFLOW PREVENTION DEVICE WITH STRAINER- CHECK

COUNTER, SHELF, OR OTHER OBSTRUCTION

12" MIN. CLEARANCE ABOVE RPZ

8" MIN.

1" Ø 90° THREADED ELBOW

WATTS SERIES U5B WATER PRESSURE REDUCING VALVE

4 1/4"

4"

2" AIR GAP (MIN.)

1" COPPER SERVICE

1" GATE VALVE OR QUARTER TURN VALVE

1" METER ASSEMBLY

1" GATE VALVE OR QUARTER TURN BALL VALVE

1" NEPTUNE T-10 WITH PROREAD HEAD READING IN GALLONS

CENTERLINE OF UNIT MUST BE BETWEEN 30"-60" FROM FINISH FLOOR

30" MIN, 60" MAX. FROM FINISH FLOOR

18" MIN. CLEAR TO RELIEF PORT

6" DIA. FUNNEL

4" PVC

2" AIR GAP (MIN.)

FLOOR DRAIN

SLOPE FLOOR TO DRAIN

4" FLOOR DRAIN TO BE CONNECTED TO SANITARY SEWER SYSTEM PROVIDE TRAP

4" FLOOR DRAIN

8" MIN.

SLOPE FLOOR TO DRAIN

INCOMING 1" WATER SERVICE FROM MAIN

PROFILE

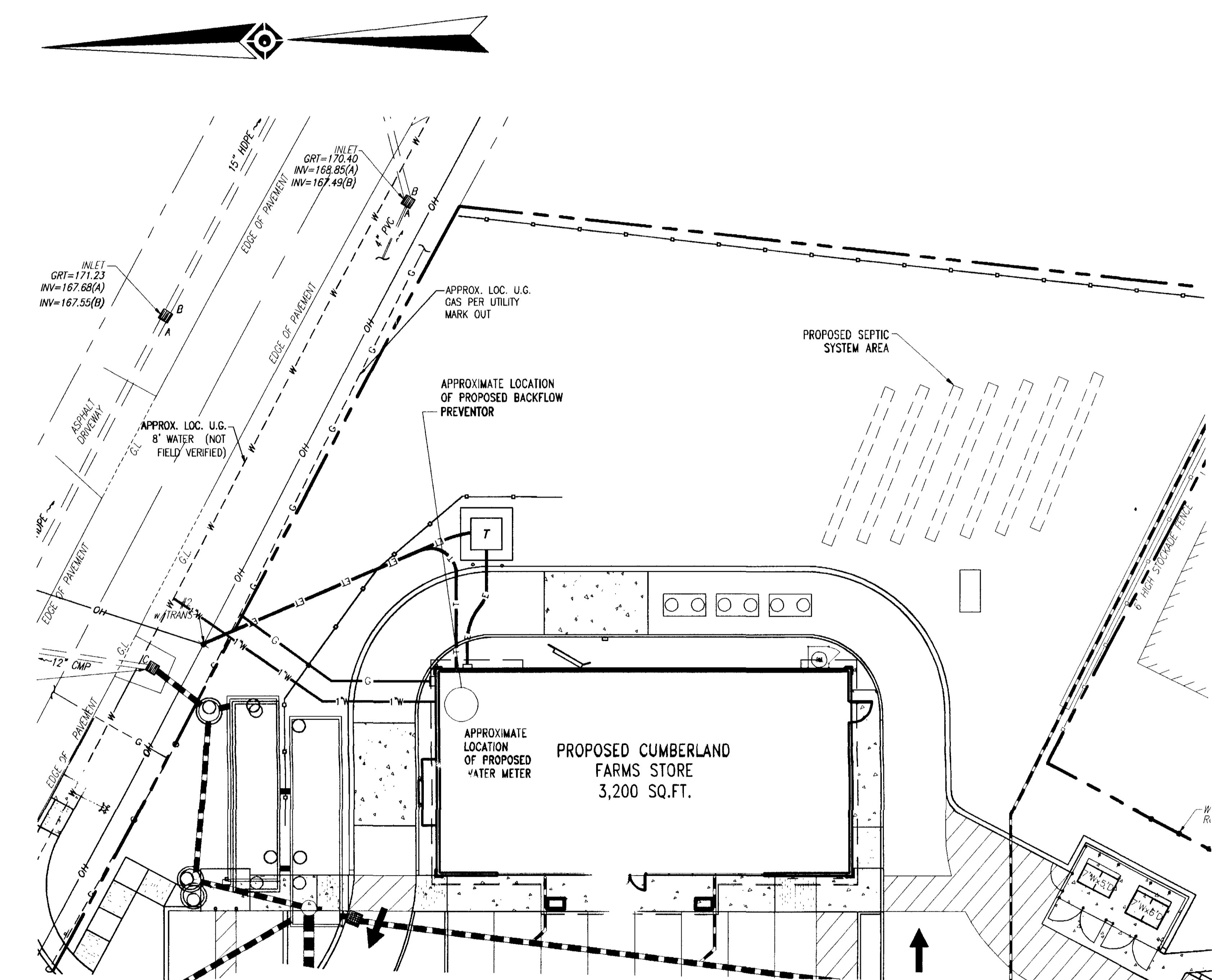
REDUCED PRESSURE ZONE DEVICE (BACKFLOW PREVENTER)

ASSEMBLY DETAIL FOR BUILDING

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. (NYS EDUCATION LAW SECTION 7209-2)

ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH TOWN STANDARD DETAILS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THESE DOCUMENTS FOR USE ON THE JOB.

1. FLOOR DRAIN SHALL BE WADE W-1102-STD-6 WITH OVERSIZED FUNNEL FOR DISCHARGE FROM RPZ. DEVICE. RUN DISCHARGE LINE TO SANITARY SEWER.
2. OWNER IS AWARE THAT WATER MAY BE DISCHARGED ON FLOOR AND THAT NOTHING OF VALUE WILL BE STORED ON THE FLOOR IN THE SAME ROOM.
3. CONTRACTOR SHALL PROVIDE ADEQUATE SUPPORT TO PREVENT LATERAL MOVEMENT OF DEVICE.
4. CONTRACTOR SHALL PROVIDE ADEQUATE HEAT AND LIGHT AT RPZ DEVICE.
5. THE PROPERTY WHERE THE FACILITY IS TO BE CONSTRUCTED IS NOT LOCATED WITHIN A DESIGNATED 100 YEAR FLOOD PLAIN.
6. ANY ALTERATION OF THE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF A NYS. LICENSED AND REGISTERED PROFESSIONAL ENGINEER IS A VIOLATION OF THE NYS. EDUCATION LAW.
7. RPZ ASSEMBLY TO BE INSPECTED AND TESTED BY A CERTIFIED INSPECTOR UPON INITIAL INSTALLATION AND PRIOR TO PLACING THE UNITS IN SERVICE, AND THEN ANNUAL THEREAFTER. TEST REPORTS TO BE PROVIDED TO THE COUNTY HEALTH DEPARTMENT AND THE TOWN.
8. ANY CHANGES TO THE APPROVED PLAN WILL REQUIRE REVIEW AND REAPPROVAL BY THE COUNTY HEALTH DEPARTMENT AND THE TOWN.



PLAN

Computer Drive West
Albany, NY 12205
518.438.9900
fax: 518.438.0900
www.bohlereng.com

REV.	DATE	COMMENT	BY
11	11/6/07	REVISED PER TOWN COMMENTS	ECR
10	10/29/07	REVISED PER TOWN COMMENTS	ECR
9	10/1/07	RESIDENTIAL LANDSCAPE BUFFER INCREASED	ECR
8	7/30/07	REVISED PER TOWN COMMENTS	SG
7	6/20/07	BLDG. CANOPY REDUCED / SITE REDESIGNED	SG
6	4/27/07	TRUCK DELIVERY / MAPLE AVE ACCESS	JRG
5	4/18/07	REVISED PER DOT COMMENTS	SG
4	2/28/07	REVISED PER TOWN COMMENTS	ECR
3	12/12/06	REVISED PER CLIENT COMMENTS	ECR
2	11/21/06	SITE LAYOUT REVISED - 90% SUBMITTAL	ECR
1	10/24/06	BLDG. FOOTPRINT REVISED	SG

 BOHLER ENGINEERING, P.C.		777 Deuhant Street, Carlton, Massachusetts 02021	
VIL & CONSULTING ENGINEERS		PROJECT MANAGERS	
ENVIRONMENTAL & SITE PLANNERS		MUNICIPAL ENGINEERS	
Other Office Locations:			
Chalfont, PA	■ Ronkonkoma, NY	■ Sterling, VA	■ Warrenton, VA
			■ Warren, NJ
			■ Towson, MD
			■ Albany, NY
			■ Southborough, MA
PROJECT: CUMBERLAND FARMS, INC. <i>PROP. CONVENIENCE STORE & GAS STATION</i> LOTS 7, 8 & 12, BLOCK 1, SECTION 121.04 NEW YORK STATE HIGHWAY ROUTE 9W TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK		TITLE: BACKFLOW PREVENTION PLAN	
L.H. BOHLER		W.D. GOEBEL	
<hr/> PROFESSIONAL ENGINEER NEW YORK LICENSE No. 63409 NEW JERSEY LICENSE No. 27410 PENNSYLVANIA LICENSE No. 37184 CONNECTICUT LICENSE No. 17518 MASSACHUSETTS LICENSE No. 37025		<hr/> PROFESSIONAL ENGINEER NEW YORK LICENSE No. 071284 CONNECTICUT LICENSE No. 21854 VERMONT LICENSE No. 7735 MASSACHUSETTS LICENSE No. 42644 RHODE ISLAND LICENSE No. 7268	
SCALE: (H) 1"=20' (V) NONE		DATE: 9/12/06	
DRAWN BY: ER		PROJECT No: B050649	
CHECKED BY: RT		CAD I.D. #: B050649ss14	
CONSTRUCTION CHECK		DATE	
REV. No.		11	
SHEET No:		19	
OF 19			

12/06	SHEET No:
50649	19
9ss14	OF 19
	REV. No.
ATE	11