

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

BUILDING INSPECTION

PERMIT

PERMIT ISSUED
 Permit Number: 060566
 MAY 19 2006
 CITY OF PORTLAND

This is to certify that FOREST CITY CHEVROLET (Gaftek)
 has permission to Install a 2000 gal tank on a 8' x 18' concrete pad in parking area
 AT 1000 BRIGHTON AVE 263 B049001

provided that the person or persons performing or accepting this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission procured before this building or part thereof is laid or closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____
 Health Dept. _____
 Appeal Board _____
 Other _____
Department Name

[Signature]
 Director - Building & Inspection Services
 5/19/06

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0566	Issue Date: MAY 19 2006	CHL: 263 B043001
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Location of Construction: 1000 BRIGHTON AVE	Owner Name: FOREST CITY CHEVROLET	Owner Address: 1000 BRIGHTON AVE CITY OF PORTLAND	Phone:
Business Name:	Contractor Name: Gaftek	Contractor Address: 528 Millvale Rd Bucksport	Phone: 2074693907
Lessee/Buyer's Name	Phone:	Permit Type: Tanks - Commercial	Zone: B-2

Past Use: Commercial	Proposed Use: Commercial Install a 2000 gal tank on a 8' x 18' concrete pad in parking area	Permit Fee: \$561.00	Cost of Work: \$60,175.00	CEO District: 3
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Proposed Project Description: Install a 2000 gal tank on a 8' x 18' concrete pad in parking area	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>See Conditions</i>	INSPECTION: Use Group: U Type: N/A 5/19/06
	Signature: <i>Rosey Cass</i>	Signature: <i>[Signature]</i>

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action Approved Approved w/Conditions Denied

Signature _____ Date _____

Permit Taken By: dmartin	Date Applied For: 04/18/2006	Zoning Approval
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> <i>ok with condit 3</i> Date: <i>5/1/06</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied late	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>[Signature]</i>
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0566	Date Applied For: 04/18/2006	CBL: 263 B043001
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Location of Construction: 1000 BRIGHTON AVE	Owner Name: FOREST CITY CHEVROLET	Owner Address: 1000 BRIGHTON AVE	Phone:
Business Name:	Contractor Name: Gaftek	Contractor Address: 528 Millvale Rd Bucksport	Phone (207) 469-3907
Lessee/Buyer's Name	Phone:	Permit Type: Tanks - Commercial	

Commercial Install a 2000 gal gasoline tank on a 8' x 18' concrete pad in parking area

Install a 2000 gal tank on a 8' x 18' concrete pad in parking area

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 05/01/2006**Note:** 5/1/06 site plan exemption given to planning**Ok to Issue:**

- 1) It is understood that this permit is for the business use only and not for public use. A public use gasoline dispensing would need a separate approval from the planning board.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 05/19/2006**Note:****Ok to Issue:**

- 1) Must comply with NFPA and State Gas Regs.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 05/11/2006**Note:** Need nfpa 30 compliance**Ok to Issue:**

- 1) Installation shall comply with NFPA 30 and all DEP regulations

Comments:

5/11/2006-dmartin: Mailed site plan exempt form permit on hold waiting for return. / dm

5/15/2006-GG: received partial site plan exemption. /gg

5/19/2006-mjn: Plans are not stamped, advised the applicant. Spoke with Steve Dixon/State Fire Marshall, they require an engineers stamp for 10,000 gallons or more this is only 2000.

**INSTRUCTIONS for Application for Permit for
Aboveground Storage of Flammable and Combustible Liquids**

Requirements for Aboveground Storage of Flammable and Combustible Liquids are found in Title 25, **MRSA §2481 et seq.**, 16-219 CMR Chapter 34, NFPA 30, NFPA 30-A, NFPA 385, and other referenced codes and standards.

Place the "Name of Facility", "Location of Facility", and "Date of Application" in the spaces provided at the top of each page so pages do not get lost while they are separated for photocopying.

1. Location of Facility: Must be sufficiently specific that an inspector can drive right to the facility. Include directions and/or a map if necessary.
2. Legal Address: Name of actual city or town where facility is located. For example, Trevett is actually in Boothbay; legal Address would be Boothbay.
3. Name of owner or Permit Holder: The name as you want it to appear on the permit.
4. Fee: The fee must be received with the application.
5. New Facility: A facility that **HAS NOT HAD A PERMIT** in the past, no matter how long it has been in existence.
6. Existing Facility: A facility that has had a permit in the past. **ENCLOSE A COPY OF THE PAST PERMIT.**
7. Plans and Specifications: If the aggregate capacity of the facility is greater than 10,000 gallons, the plans **MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER.** Plans for a facility not more than 10,000 gallons do not require an engineer's certification. but they must be clear and show all the required information. Plans must show the information listed on the attached plan pages of this application. Plans prepared for a SPCC plan can be used if they clearly show the information listed on the plan pages. If plans and specifications are clear or complete, a permit may be issued based on the plans and specifications. If the plans and specifications are NOT clear or complete, a site visit will be required which will add a substantial time delay in deciding if a permit should be issued.
8. Equipment Supply: Tank supplies fixed equipment such as a generator or fire pump. Aboveground storage tanks connected to household furnaces or boilers are regulated by the Dept. of Business Regulation, Oil & Solid Fuel Board.
9. Tank Identification Number: Number YOU will use to refer to the tank. This number will be used on the diagrams as well.
10. Chamber Identification Number: Number YOU will use to refer to the chamber if the tank has more than one chamber. This number will be used on the diagrams as well. This does NOT apply to the interstitial space of a secondary containment tank.
11. Are Support Structures 12" or less at the lowest point?: If support structures are more than 12" high at the lowest point, they must be protected to achieve at least a 2 hour fire resistance rating so the tank supports will not fail. If the bottom of the tank is less than 12' above the pad, the installation meets this requirement.
12. Marking of Tanks: Gasolines are "Flammable"; Diesel, Kerosene, and k-1 are "Combustible". "On Road" and "Off Road" are taxation issues and do not affect the fire characteristics of the product. For the purposes of this permit. that distinction is not considered.
13. Weather Protection: Weather Protection is not required. If it is provided, it must be included on this application. A new application will be required if you decide later to add weather protection. If more than 50 % of the total wall area is enclosed, the structure is classified as a building and strict requirements apply to it. A roof or canopy must be no less than 3 feet above the top of the tank. The normal vent must extend above the roof or canopy. Weather protection must allow natural ventilation and access for firefighting.
14. Storage Tank Building: A building that encloses more than 50% of the wall area must have a 2 hour fire resistance rating, exiting, emergency lighting, and alarm system in compliance with life Safety Code NFPA 101, and mechanical venting.
15. Structures: Any structure in a diked area, ladder, cat walk, pump house, etc. must be constructed of **NONCOMBUSTIBLE** materials, not wood.
16. Vault: A vault is a concrete structure totally enclosing the tank. A concrete vault is NOT a vault. Setback distances can be reduced if the tank is placed in an approved vault.
17. Earthen Dikes and Remote Impounding areas require an "Impervious Layer" to prevent product from soaking into the ground.
18. Drains for dikes **MUST BE KEPT CLOSED AT ALL TIMES**, except when being watched during draining operations.
19. Propane may not be stored in a diked area for storage of flammable or combustible liquids.
20. No storage is allowed in a dike(d) area. The area must be kept clear of combustible materials including vegetation and trash.
21. A permit based on this application is NOT VALID if the facility is not built according to these plans and specifications.
22. A new permit is required if the facility is to be changed from what is described on this application.
23. A permit based on this application does not exempt a facility from any rules or requirements of any other agency or jurisdiction.
24. No other agency or jurisdiction can waive the rules or requirements of the Office of the State Fire Marshal.
25. A copy of the permit must be available at the facility for examination by an inspector of the Office of the State Fire Marshal.



General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted

Total Square Footage of Proposed Structure 144 sq. ft.		Square Footage of Lot 232 610 sq. ft.	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 263-B-43-1		Owner: QUIRK CHEVROLET THOMAS QUIRK -VICE PRESIDENT	
Lessee/Buyer's Name (If Applicable)		Telephone: 207-774-5971	
Applicant name, address & telephone: THOMAS QUIRK 1000 BRIGHTON AVE. PORTLAND, ME 04104		Cost Of Work: \$ 60,175 Fee: \$ 561 C of O Fee: \$ _____	
Current Specific use: AVTOMOBILE DEALER			
If vacant, what was the previous use? _____			
Proposed Specific use: _____			
Project description: Install a 2,000-gallon aboveground gasoline tank on an 8 ft X 18 ft concrete pad outside in the current parking area.			
Contractor's name, address & telephone: GAFTEK 528 MILLVALE RD, BUCKSPORT, ME 04416 207-469-3907			
Who should we contact when the permit is ready: CHRIS GAUDET			
Mailing address: (GAFTEK)		Phone: 207-469-3907 307-1154	

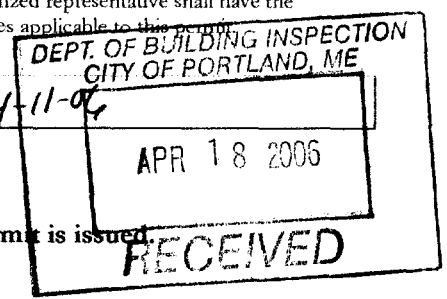
Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: *[Signature]*

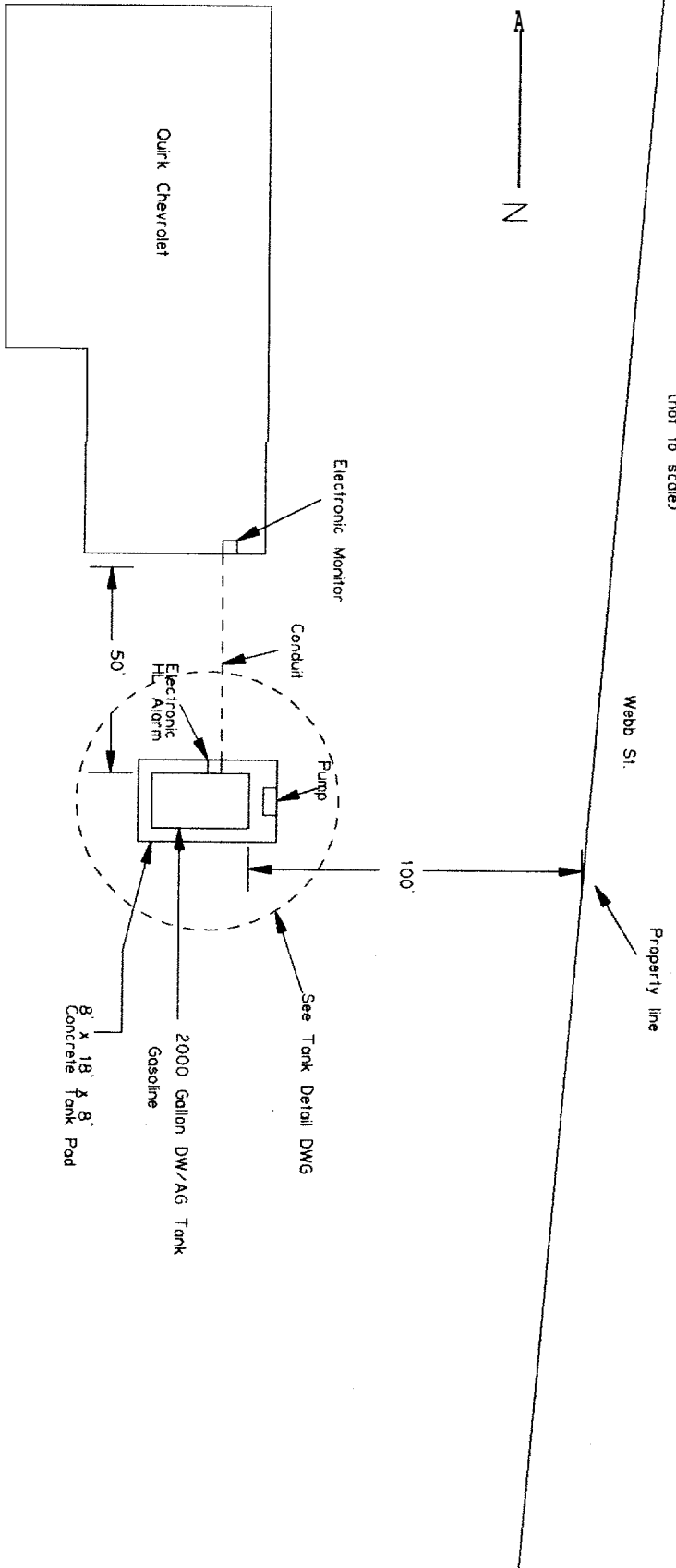
Date: **4-11-06**



This is not a permit; you may not commence ANY work until the permit is issued

Quirk Chevrolet - Site Plan

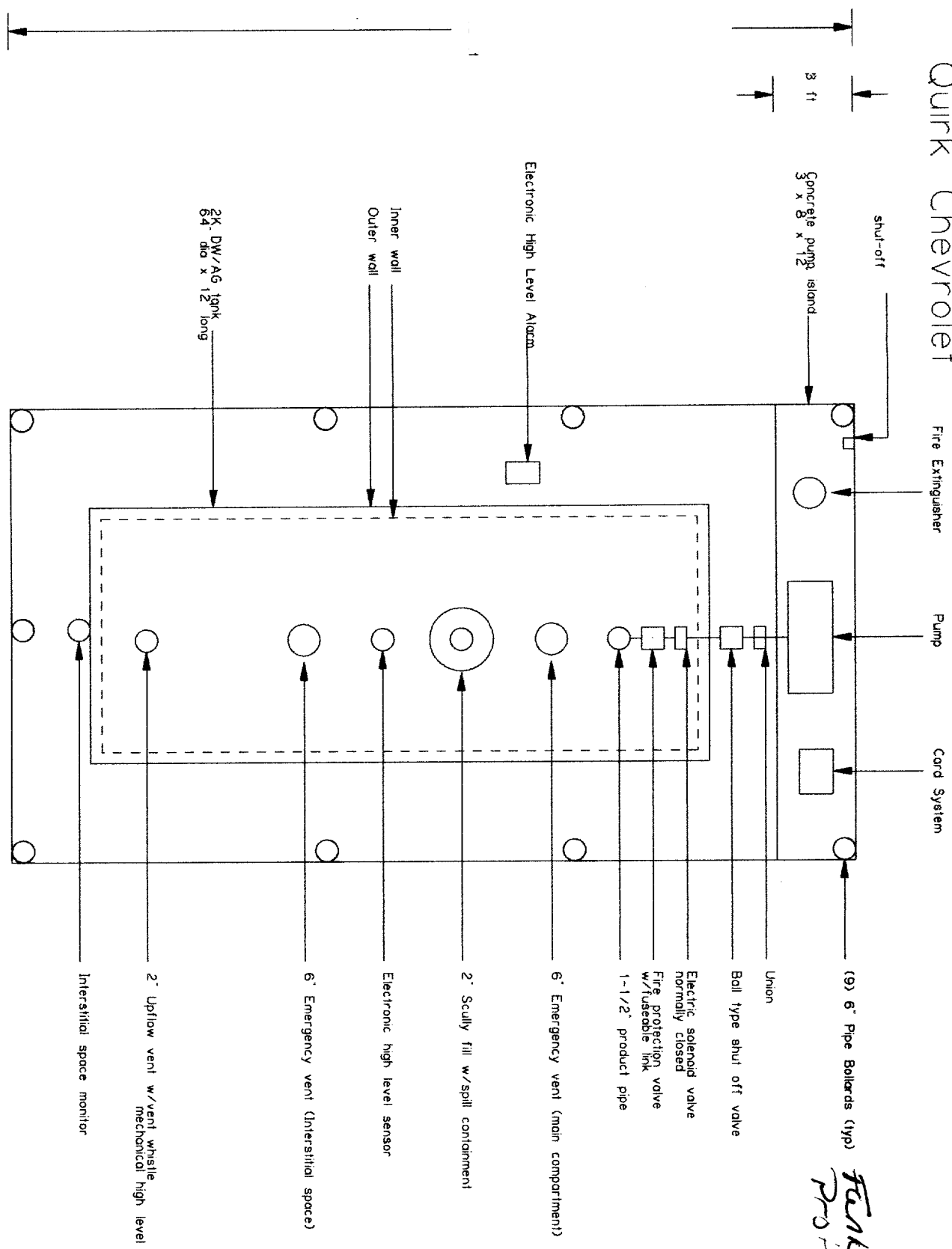
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Gartek, LLC
Chris Gaudel
Private fleet fueling facility
04/04/06
207-327-1154

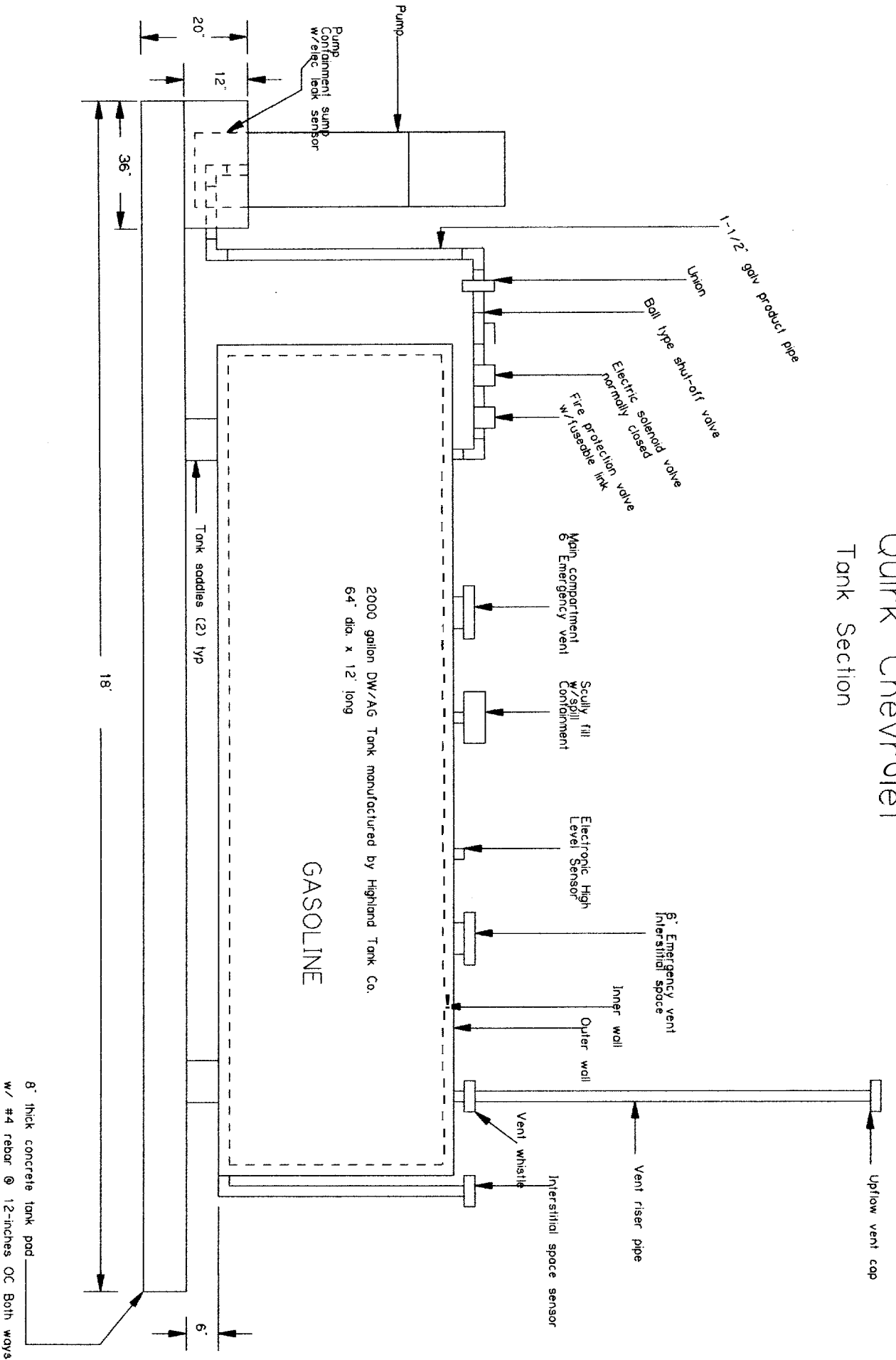
Quirk Chevrolet

Tank Detail DWG



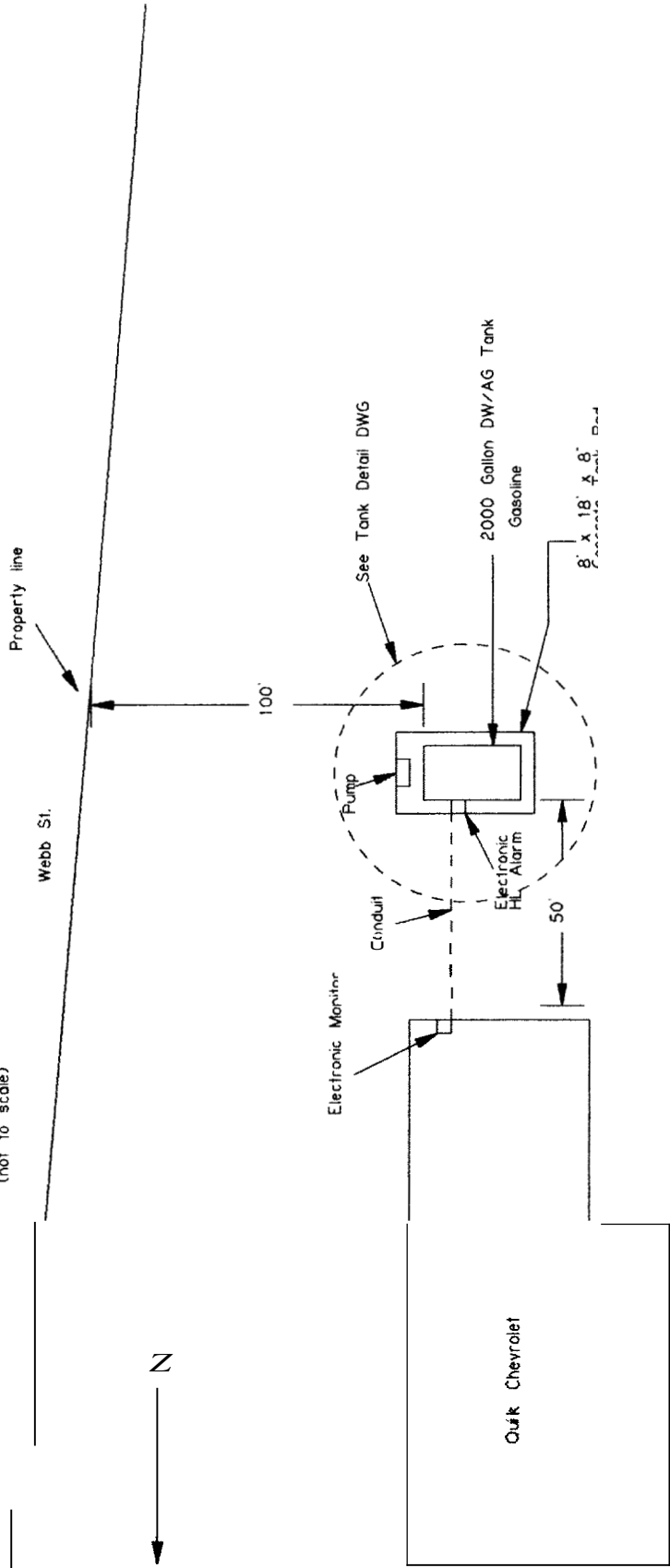
*Tank
Pro Section*

Quirk Chevrolet Tank Section



Quirk Chevrolet - Site Plan

(not to scale)



Brighton Ave
Rt 25

Gaftek, LLC
Chris Gaudet
207-327-1154
04/04/06
Private fleet fueling facility



TO: Captain Cass DATE: May 9, 2006

FAX #: 207-874-8410

COMPANY: City of Portland - Fire Department

FROM: George Urbanneck PAGES: 3

Please call 207-244-3031 if you do not receive all of the pages.

RE: Quirk Chevrolet Building Permit Application - Above-Ground Fuel Tank

Captain Cass,

Attached is a section from NFPA 30 indicating that it is allowable to have an above-ground double-walled tank provided that **"The tank shall be capable of resisting the damage from the impact of a motor vehicle or suitable collision barriers shall be provided."**

We are proposing to install nine 6-inch pipe bollards around the perimeter of the concrete pad for tank protection as indicated on the tank detail drawing provided with our application.

Thank you for your consideration of this *issue*.

If you have any other questions please call me at 244-3031

Thank you,
George Urbanneck

- (5) Means shall be provided to prevent overfilling by sounding an alarm when the liquid level in the tank reaches 90 percent of capacity and by automatically stopping delivery of liquid to the tank when the liquid level in the tank reaches 95 percent of capacity. In no case shall these provisions restrict or interfere with the proper functioning of the normal vent or the emergency vent.
- (6) Spacing between adjacent tanks shall be not less than 0.9 m (3 ft).
- (7) The tank shall be capable of resisting the damage from the impact of a motor vehicle or suitable collision barriers shall be provided.
- (8) Where the means of secondary containment is enclosed, it shall be provided with emergency venting in accordance with 4.2.5.2.
- (9) Means shall be provided to establish the integrity of the secondary containment, in accordance with 4.4.2.3 and 4.4.2.4. The secondary containment shall be designed to withstand the hydrostatic head resulting from a leak from the primary tank of the maximum amount of liquid that can be stored in the primary tank.

4.3.2.3.4 Equipment, Piping, and Fire Protection Systems in Remote Impoundment Areas or Diked Areas.

4.3.2.3.4.1* Piping Location. Only piping for product, utility, or fire protection purposes directly connected to a tank or tanks within a single diked area shall be routed through a diked area, a remote impoundment area, a spillway draining to a remote impoundment area, or above a storage tank drainage area where the piping can be exposed to a fire.

Exception: Piping for other product lines and from adjacent tanks shall be permitted to be routed through such areas if engineering designs are provided to incorporate features to prevent the piping from creating an exposure hazard.

4.3.2.3.4.2 Drainage. Drainage shall be arranged to prevent accumulation of any liquid under the piping by sloping the grade in accordance with 4.3.2.3.2. Corrosion-resistant piping and piping that is protected against corrosion shall be permitted to be buried where such drainage is not provided or is not practical.

4.3.2.3.4.3* Equipment Location. If located in a remote impoundment area, a diked area, or a spillway draining to a remote impoundment area, process equipment, pumps, instrumentation, and electrical utilization equipment shall be located or protected so that a fire involving such equipment does not constitute an exposure hazard to the tank or tanks in the same area for a period of time consistent with the response and suppression capabilities of the fire-fighting operations available to the location.

4.3.2.3.4.4 Fire Protection Systems. Hose connections, controls, and control valves for application of fire protection foam or water to tanks shall be located outside remote impoundment areas, diked areas, or spillways draining to a remote impoundment area.

4.3.2.3.4.5 Combustible Materials. Structures such as stairways, walkways, instrumentation shelters, and supports for piping and equipment that are located in a remote impoundment area, diked area, or spillway draining to a remote impoundment area shall be constructed of noncombustible materials.

4.3.2.4 Vent Piping for Aboveground Tanks. Piping for normal and emergency relief venting shall be constructed in accordance with Chapter 5.

4.3.2.5 Tank Openings Other than Vents for Aboveground Tanks.

4.3.2.5.1 Each connection to an aboveground tank through which liquid can normally flow shall be provided with an internal or an external valve located as close as practical to the shell of the tank.

4.3.2.5.2 Each connection below the liquid level through which liquid does not normally flow shall be provided with a liquidtight closure such as a valve, plug, or blind, or a combination of these.

4.3.2.5.3 Openings for gauging on tanks storing Class I liquids shall be provided with a vaportight cap or cover.

4.3.2.5.4* Fill pipes that enter the top of a tank shall terminate within 150 mm (6 in.) of the bottom of the tank. Fill pipes shall be installed or arranged so that vibration is minimized.

Exception No. 1: Fill pipes in tanks whose vapor space under the expected range of normal operating conditions is not in the flammable range or is inerted need not meet this requirement.

Exception No. 2: Fill pipes in tanks handling liquids with minimal potential for accumulation of static electricity need not meet this requirement provided that the fill line is designed and the system is operated to avoid mist generation and an adequate level of residence time is provided downstream of filters or screens such that the charge generated is dissipated.

4.3.2.5.5 Filling and emptying connections for Class I, Class II, and Class IIIA liquids that are connected and disconnected shall be located outside of buildings at a location free from any source of ignition. They shall be located not less than 1.5 m (5 ft) away from any building opening. Such connections for any liquid shall be closed and liquidtight when not in use and shall be properly identified.

4.3.2.6 Requirements for Aboveground Tanks Located in Areas Subject to Flooding.

4.3.2.6.1 Vertical tanks shall be located so that the tops of the tanks extend above the maximum flood stage by at least 30 percent of their allowable storage capacity.

4.3.2.6.2 Horizontal tanks that are located where more than 70 percent of the tank's storage capacity will be submerged at the established flood stage shall be secured by one of the following methods:

- (1) Anchored to resist movement
- (2) Attached to a foundation of steel and concrete or of concrete having sufficient weight to provide adequate load for the tank when filled with liquid and submerged by flood water to the established flood stage
- (3) Adequately secured from floating by other means

4.3.2.6.3 Tank vents or other openings that are not liquidtight shall extend above the maximum flood stage water level.

4.3.2.6.4 A dependable water supply shall be available for filling an empty or partially filled tank.

Exception: Where filling the tank with water is impractical or hazardous because of the contents of the tank, the tank shall be protected by other means against movement or collapse.

4.3.2.6.5 Spherical or spheroid tanks shall be protected by any of the methods specified in this 4.3.2.6.

TANK STORAGE

30-23

- (2) The impounding area shall have a capacity not less than that of the largest tank that can drain into it.

Exception: Where this is not possible because there is not enough open area around the tanks or is impractical, "partial" remote impounding for some percentage of the required capacity remote from any tank or adjoining property shall be permitted to be provided. The required volume exceeding the capacity of the partial remote impoundment shall be provided for by diking meeting the requirements of 4.3.2.3.2.

- (3) The route of the drainage system shall be so located that, if the liquid in the drainage system is ignited, the fire will not seriously expose tanks or adjoining property.
- (4) The confines of the impounding area shall be located so that, when filled to capacity, the liquid level will not be closer than 15 m (50 ft) from any property line that is or can be built upon or from any tank. Where partial remote impounding is used, the liquid level in the partial impounding shall meet the requirements of 4.3.2.3.1. The excess volume shall meet the requirements of impounding by diking as provided or as in 4.3.2.3.2. Tank spacing shall be determined based on the diked tank provisions of Table 4.3.2.2.1.

4.3.2.3.2 Impounding Around Tanks by Diking. Where protection of adjoining property or waterways is by means of impounding by diking around the tanks, such systems shall comply with 4.3.2.3.2(A) through 4.3.2.3.2(H).

(A) A slope of not less than 1 percent away from the tank shall be provided for at least 15 m (50 ft) or to the dike base, whichever is less.

(B)* The volumetric capacity of the diked area shall not be less than the greatest amount of liquid that can be released from the largest tank within the diked area, assuming a full tank. To allow for volume occupied by tanks, the capacity of the diked area enclosing more than one tank shall be calculated after deducting the volume of the tanks, other than the largest tank, below the height of the dike.

(C) To permit access, the outside base of the dike at ground level shall be no closer than 3 m (10 ft) to any property line that is or can be built upon.

(D)* Walls of the diked area shall be of earth, steel, concrete, or solid masonry designed to be liquidtight and to withstand a full hydrostatic head. Earthen walls 0.9 m (3 ft) or more in height shall have a flat section at the top not less than 0.6 m (2 ft) wide. The slope of an earthen wall shall be consistent with the angle of repose of the material of which the wall is constructed.

(E) The walls of the diked area shall be restricted to an average interior height of 1.8 m (6 ft) above interior grade.

Exception: Dikes shall be permitted to exceed this height where provisions are made for normal access, necessary emergency access to tanks, valves, and other equipment, and safe egress from the diked enclosure, and where the following requirements are met:

- (1) Where the average height of the dike containing Class I liquids is over 3.6 m (12 ft) high, measured from interior grade, or where the distance between any tank and the top inside edge of the dike wall is less than the height of the dike wall, provisions shall be made for normal operation of valves and for access to tank roofs) without entering below the top of the dike. These provisions shall be permitted to be met through the use of remote-operated valves, elevated walkways, or similar arrangements.

- (2) Piping passing through dike walls shall be designed to prevent excessive stresses as a result of settlement or fire exposure.
- (3) The minimum distance between tanks and toe of the interior dike walls shall be 1.5 m (5 ft).

(F) Each diked area containing two or more tanks shall be subdivided, preferably by drainage channels or at least by intermediate dikes, in order to prevent spills from endangering adjacent tanks within the diked area as follows:

- (1) Where storing normally stable liquids in vertical cone roof tanks constructed with weak roof-to-shell seams or in floating roof tanks, or when storing crude petroleum in producing areas in any type of tank, one subdivision shall be provided for each tank greater than 1590 m³ (420,000 gal or 10,000 bbl) capacity. In addition, one subdivision shall be provided for each group of tanks [no individual tank exceeding 1590 m³ (420,000 gal or 10,000 bbl) capacity] having an aggregate capacity not greater than 2385 m³ (630,000 gal or 15,000 bbl).
- (2) Where storing normally stable liquids in tanks not covered in 4.3.2.3.2(F)(1), one subdivision shall be provided for each tank greater than 380 m³ (100,000 gal or 2380 bbl) capacity. In addition, one subdivision shall be provided for each group of tanks [no individual tank exceeding 380 m³ (100,000 gal or 2380 bbl) capacity] having an aggregate capacity not greater than 570 m³ (150,000 gal or 3570 bbl).
- (3)* Where storing unstable liquids in any type of tank, one subdivision shall be provided for each tank.

Exception: Tanks installed with drainage meeting the requirements of NFPA 15, *Standard for Water Spray Fixed Systems for Fire Protection*, need not meet this requirement.

- (4) Whenever two or more tanks storing Class I liquids, any one of which is over 45 m (150 ft) in diameter, are located in a common diked area, intermediate dikes shall be provided between adjacent tanks to hold at least 10 percent of the capacity of the tank so enclosed, not including the volume displaced by the tank.
- (5) The drainage channels or intermediate dikes shall be located between tanks so as to take full advantage of the available space with due regard for the individual tank capacities. Intermediate dikes, where used, shall be not less than 450 mm (18 in.) in height.

(G) Where provision is made for draining water from diked areas, such drains shall be controlled to prevent liquids from entering natural water courses, public sewers, or public drains. Control of drainage shall be accessible under fire conditions from outside the dike.

(H) Storage of combustible materials, empty or full drums, or barrels, shall not be permitted within the diked area.

4.3.2.3.3 Secondary Containment Tanks. Where a secondary containment tank is used to provide spill control, the tank shall meet all of the following requirements:

- (1) The capacity of the tank shall not exceed 45,400 L (45.4 m³ or 12,000 gal).
- (2) All piping connections to the tank shall be made above the normal maximum liquid level.
- (3) Means shall be provided to prevent the release of liquid from the tank by siphon flow.
- (4) Means shall be provided for determining the level of liquid in the tank. This means shall be accessible to the delivery operator.



TO: Captain Cass DATE: May 9, 2006

FAX #: 207-874-8410

COMPANY: City of Portland - Fire Department

FROM: George Urbanneck PAGES: 9

Please call 207-244-3031 if you do not receive all of the pages.

RE: **Quirk Chevrolet Building Permit Application - Above-Ground Fuel Tank**

Captain Cass,

Attached is the State Fire Marshall Permit Application which we submitted about April 10, 2006.

If you have any other questions please call me at 244-3031

Thank you,
George Urbanneck

SENT
4/10/06

Application for Permit for Aboveground Storage Tank

Maine Department of Public Safety
State Fire Marshal's Office
52 State House Station
Augusta, Maine 04333-0052
(207) 626-3888 (toll)
(207) 267-6231 (fax)

Copy this form to applicant. Use additional sheets as needed.
See Instructions & Information on page 6.

Permit Fee Registration #:	
Permit Grant:	
Site Inspection Date:	
APPROVAL:	
<input type="checkbox"/>	Approved per plan
<input type="checkbox"/>	Approved per plan & inspection
<input type="checkbox"/>	Denied
By:	
Date:	
FEE:	
Amount:	
Date Received:	
Check Number:	

Name: QUIRK CHEVROLET PORTLAND		SEP Registration #	N/A	(if any)
Physical Location: 1000 BRIGHTON AVE.		UTM Coordinates	N	
City/Town: PORTLAND	County: CUMBERLAND	Legal Jurisdiction:		
Facility Telephone: 603-210-16	Current Permit: 7001 QUIRK	Contact Telephone: 945-9401		

Name: QUIRK CHEVROLET BANGOR		
Mailing Address: 293 HOGAN RD.		
City/Town: BANGOR	State: ME	Zip Code: 04401
Telephone: 945-9401	Fax: 945-0164	E-mail:

Name: CHRIS GAUDET GAFTEK, LLC		
Mailing Address: 528 MILLVALE RD.		
City/Town: BUCKSPORT	State: ME	Zip Code: 04416
Telephone: 469-3907	Fax: 469-3829	E-mail:
Applicant's Signature: <i>[Signature]</i>	Date: 04/04/06	

- Original Permit to Owner/Permit Holder.
- Duplicate Permit to Owner/Permit Holder for facility. (Copy of permit must be available at the facility.)
- Send copy of permit to applicant.

<input checked="" type="checkbox"/> PERMIT for Aboveground Storage Tank	Fee: \$15.00
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APPLICATION TYPE:	
<input checked="" type="checkbox"/> New Facility	<input type="checkbox"/> Change of Facility* (See Fee Change Below)
<input type="checkbox"/> Existing Facility	<input type="checkbox"/> Addition/Removal of Tank
<input type="checkbox"/> Change of Ownership	<input type="checkbox"/> Replacement of Tank
	<input type="checkbox"/> Change of Product
*Submit a copy of tank existing permit under registration with this application.	

Form 115B

- 2 -

Application for Permit/Registration for ABOVEGROUND STORAGE TANK
Facility Location

Application Date:

Facility Name:

Tank or Chamber Identifier (What will you call the tank or chamber?)	Capacity of Tank or Chamber (U.S. Gallons)	Product
TANK # 1	2000	GASOLINE
Total Number of Tanks: 1	Total Capacity of Tanks: 2000	
Total Number of Chambers: 1		

PERMIT REQUIREMENTS

Service Station (either or major repair work is done to vehicles on site)

Public (serves general public)

Private (serves only vehicles owned by owner/tenant holder)

Self Service (A separate permit is required for, and additional requirements apply to public self-service facilities)

Fueling Facility (no repair work is done to vehicles on site)

Public (serves general public)

Private (serves only vehicles owned by owner/tenant holder)

Automotive

Marine

Aviation

Bulk Storage (Product is brought to facility removed from site in bulk by tank vehicle, tank trailer, rail car, marine vessel, etc.)

Equipment Supply (Tank is connected to a dry tank or fixed location equipment)

Other Specify:

NOTE

For facilities with a capacity greater than 10,000 gallons, plans and specifications certified by a professional engineer must be submitted with this application. SPCC Plans DO NOT provide the information requested, therefore they WILL NOT be accepted to meet this requirement.

For facilities with a total capacity of 10,000 gallons or less, plans and specifications must be submitted with this application. Plans do not need to be certified by a professional engineer. (See pages 4, 5, & 6 of this application)

ADDITIONAL REQUIREMENTS

Yes No Are there any other permits or authorizations required for this facility?
(A permit issued by the State for Marine Oil Use does not exempt a facility from the permit requirements of any other agency or jurisdiction.)

If "Yes", have those other permits been obtained? Yes No

If "No", have applications been submitted for those other permits? Yes No

Yes No Is a Spill Prevention Control & Countermeasure (SPCC) Plan required for this facility?
(A SPCC is required for any facility with an aggregate capacity greater than 1000 gallons)
(See 40 CFR 112 (Code of Federal Regulations))

If "Yes", is there a certified SPCC for this facility? Yes No

If "No", is a certified SPCC being prepared by this facility? Yes No

Yes No Is this facility in a designated flood area?

Yes No Is there any underground piping at the facility?
(Underground piping must comply with Maine Department of Environmental Protection (MDEP) rules)
(See Chapter 610, Title 26 M.R.S.A. Section 510-E.)

If "Yes", does the underground piping comply with MDEP rules? Yes No

If "Yes", what is the MDEP Registration Number?

Application for Permit/Registration for ABOVEGROUND STORAGE TANK
 Tank No./Location: Application Date:

Facility Name:

TANK SPECIFICATIONS:

Tank Number (same as on Page 3)	TANK # 1	1				
Cluster Number (if any) (same as on Page 3)		1				
Capacity (GAL. or METERS)		2000				
Product		GAS				
Is the product under pressure?		NO				
Is the tank approved/listed for use with the product?		YES				
Is the tank approved/listed for use as an Above-ground Storage Tank?		YES				
Is the tank Horizontal or Vertical? (Circle Answer)		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Are support structures 12" or less at the lowest point?		YES				
If "Yes", Are the support structures built to minimum 2 hour fire resistance rating?						
Is the tank inside a building? (See Note 3)		NO				
Is the tank in a vault? (See Note 3)		NO				
If "Yes", Is the vault lined by a nationally-recognized independent testing laboratory?						
Is there weather protection for the tank?		NO				
Type of secondary containment:						
Double Wall Tank (15,000 gallons or less)		YES				
Dike, Curbs		NO				
Dike, Ditch with impervious liner		NO				
Excavation impervious with liner		NO				
Capacity of Dike or Excavation Impervious						
Minimum Vent (Type and Size)		2" BELOW				
Emergency Vent (Type and Size)		6" - 8" OR				
Type of Overfill Protection		ELECTRONIC AND VENT WHISTLE				
Leak Detection		ELECTRONIC INTERSTITIAL SENSOR				
Does the type detection within 6" of the bottom of the tank?		NO				
Is Electrical Wiring equipment for use in the specified hazard area?		YES				
Type of Protection from vehicle collision damage.		6" PIPE BALLARDS / CONCRETE PAD				
Type of Security (Please include passkeys, locks on dispensers, etc.)		CARD SYSTEM				
Marking of Tank:						
Product Name		GAS				
Hazard Classification		1203				
Color Code (if any)		WHITE				
Distance from tank to nearest building		50'				
Distance from tank to property line		100'				
Distance from tank to nearest side of public way		100'				
Distance from tank to other tanks (5 foot minimum)						
Distance from tank to dispensers		2'				
Distance from tank to property storage						
Is any tank or piping located:						
Within 500 feet of a public water supply?		NO				
Within 1000 feet of a public water supply?		NO				
On or over a geologically unstable soil ground aquifer mapped by Minn. Geological Survey?		NO				

-4-

Application for Permit/operation for ABOVEGROUND STORAGE TANK
TANKS Location

Facility Name:

Applicant's Name:

Site Plan		Notes REMARKS WITH APPROVAL
<p>Show the Following on Site Plan:</p> <p>A. Location of:</p> <ul style="list-style-type: none"> 1. Tank & Tank 2. Loading/Unloading Piping 3. Dispenser 4. Tanker Storage 5. Spill Prevention & Equipment 6. Tankerway Paving that CE 7. Leak Detection Setup 8. Collision Protection 9. Security Fence 10. Building 11. Warning Lines 12. Site Relinquishing Equipment <p>B. Other Items to include:</p> <ul style="list-style-type: none"> 1. Other Tanks 2. Buildings 3. Equipment 4. Property Storage 5. Property Lines 6. Public Ways 		
<p>SEE ATTACHED DWG</p>		

-5-

Application for Permit/Registration for ABOVEGROUND STORAGE TANK

Permit/Registration

Facility Location:

Application Date:

CROSS SECTION & ELEVATIONS PLAN

Show the following on this plan:

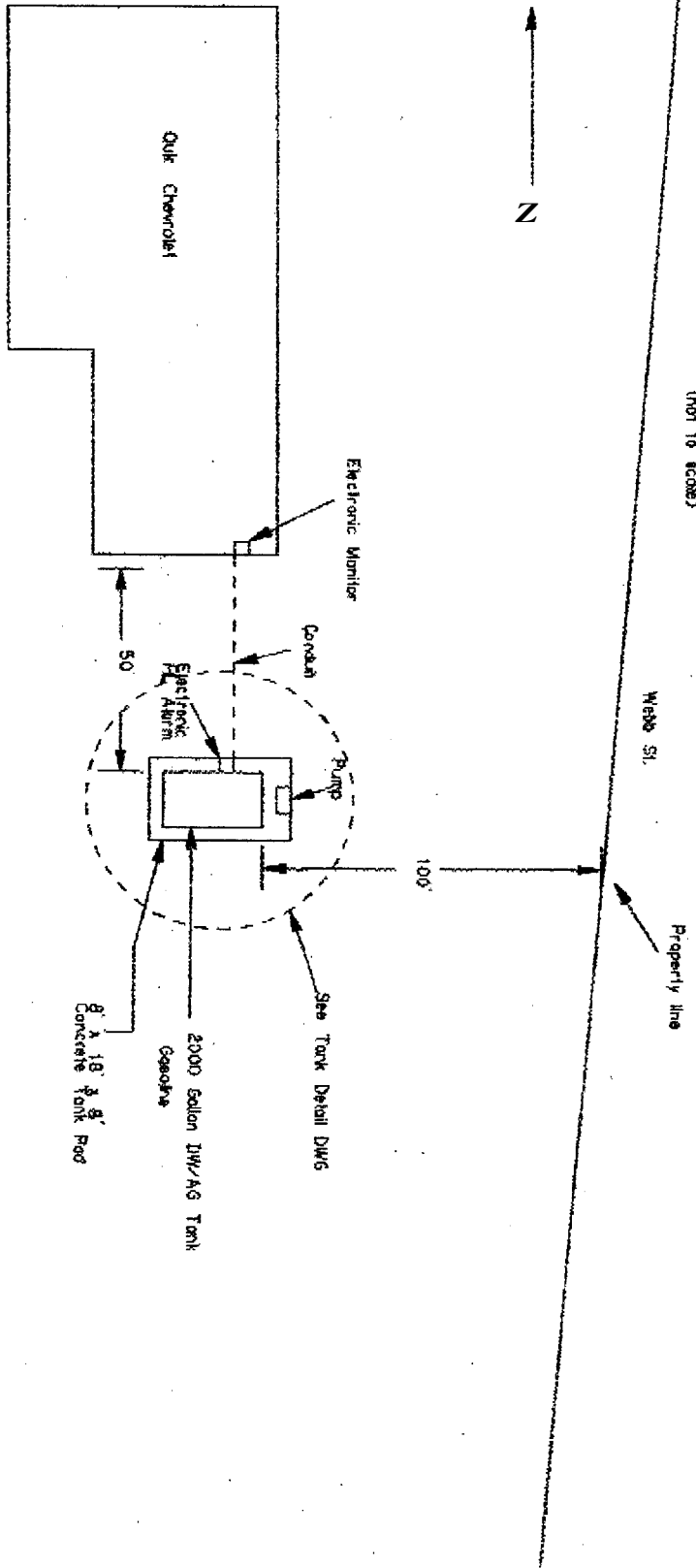
<p>A. Tank Material</p> <p>B. Lining</p> <ol style="list-style-type: none"> 1. Outer Liner Material 2. Seal 3. Joint Sealant/Seal 4. Sealant 	<p>C. Steps</p> <ol style="list-style-type: none"> 1. Excavation 2. Installation <p>A. Tank Installation</p> <ol style="list-style-type: none"> 1. Excavation 2. Foundation 3. Formwork 4. Pour Concrete 5. Sealant 	<p>D. Venting</p> <ol style="list-style-type: none"> 1. Manual Vent <ol style="list-style-type: none"> a. Type & Size 2. Emergency Vent <ol style="list-style-type: none"> a. Type & Size 	<p>E. Piping</p> <ol style="list-style-type: none"> 1. Support 2. Installation Details 3. Pipe Labels 4. Wash 5. Schedule <p>F. Loading/Unloading</p> <ol style="list-style-type: none"> 1. Vehicle Compartment 2. Loading/Unloading 3. Seal/Clamp/Valve 	<p>G. Loading/Unloading Code</p> <p>(See Table 101.01 for Details)</p> <ol style="list-style-type: none"> 1. Tank/Line 2. Manual/Computer 3. Other <p>(See Table 101.01 for Details)</p>
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SEE ATTACHED DWG'S

Brighton Ave RI 25

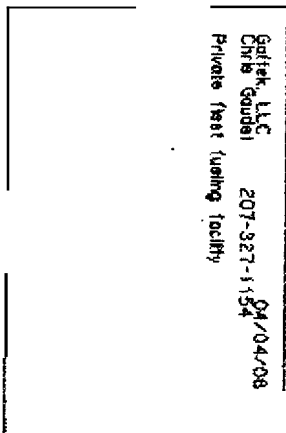
Quirk Chevrolet - Site Plan

(not to scale)



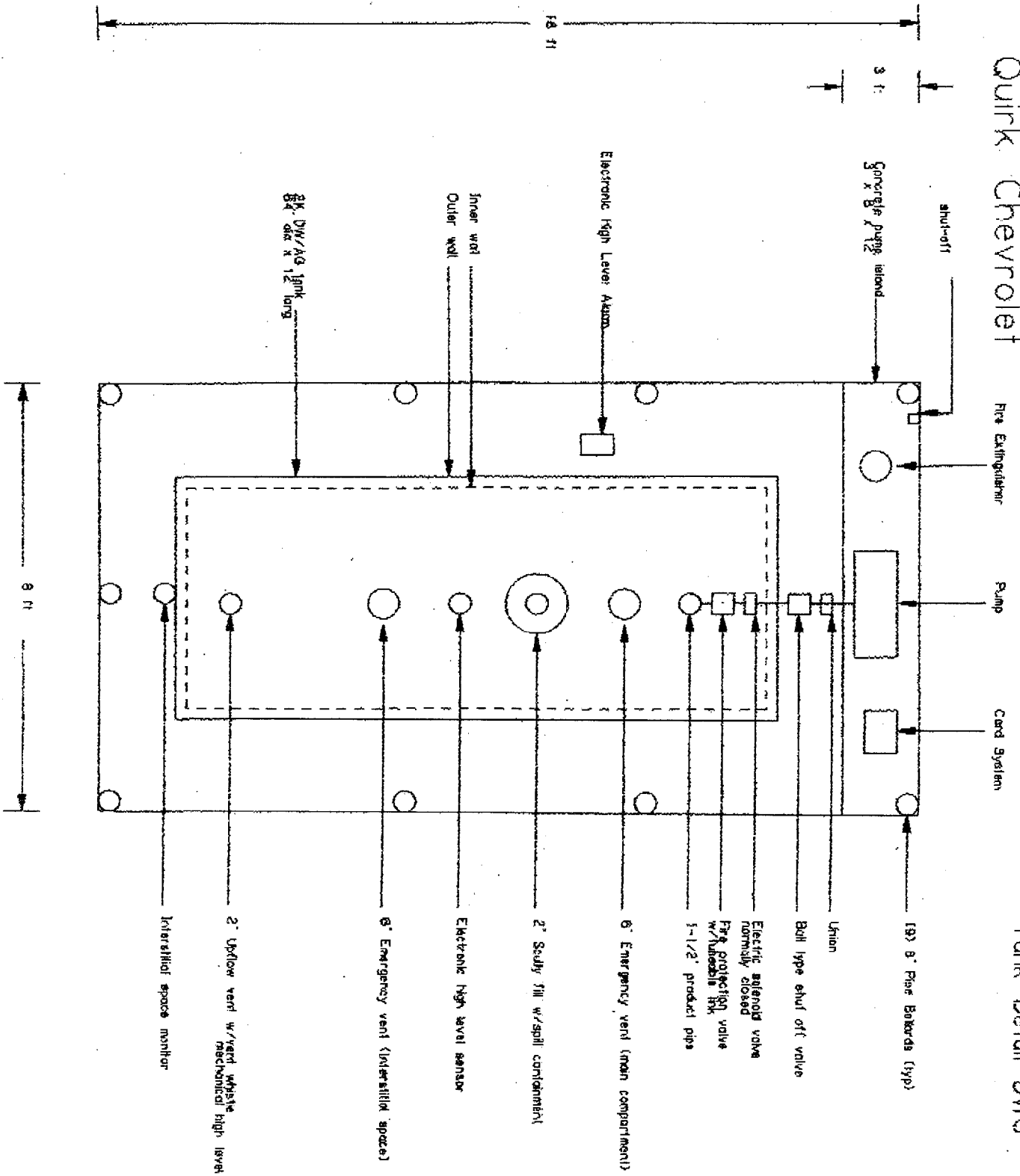
Road Hd

Goffek LLC
 Chris Gossel 207-827-1134
 Private Fuel Fueling facility
 04/04/08

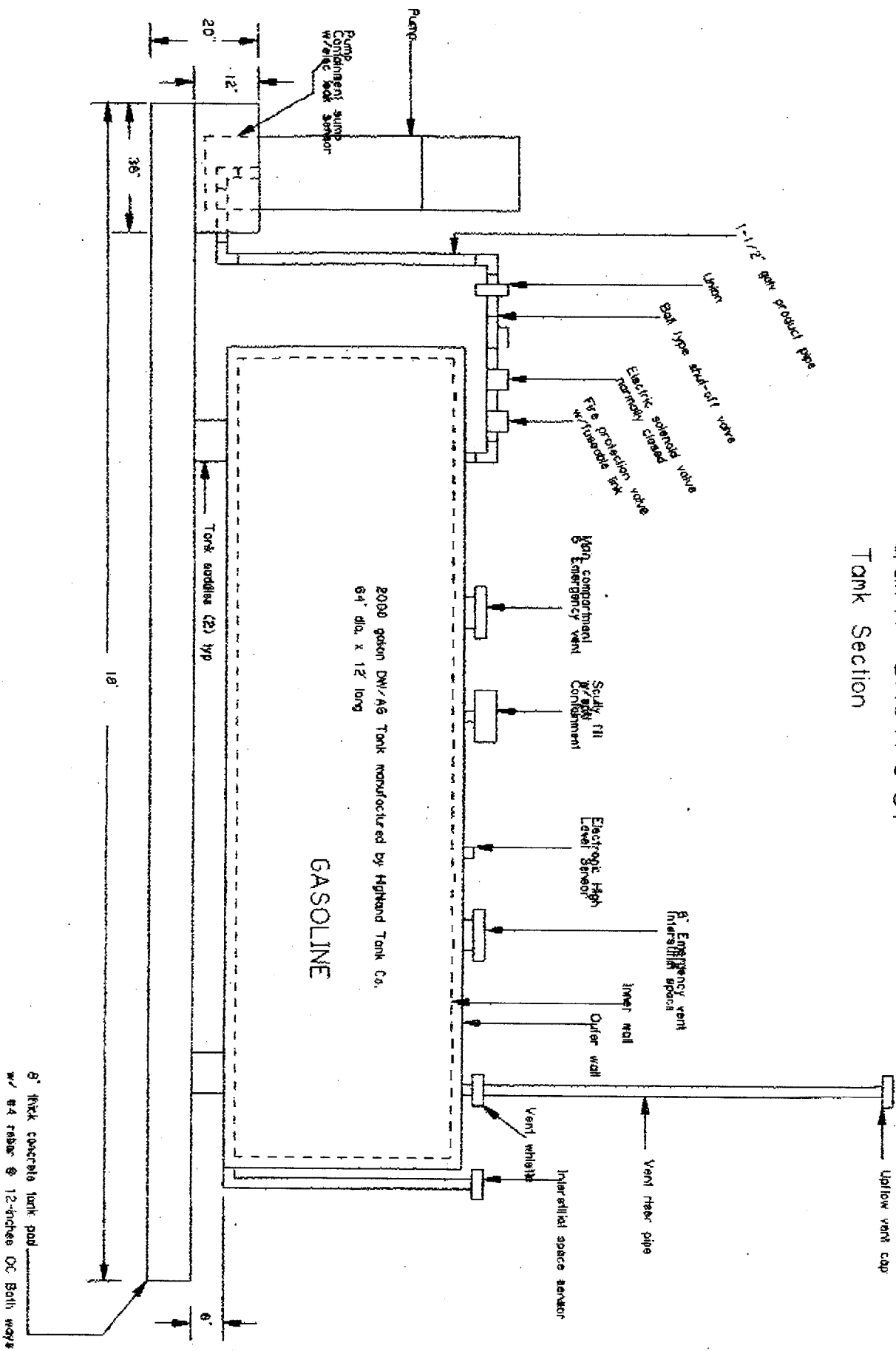


Quirk Chevrolet

Tank Detail DWG



Quirk Chevrolet Tank Section



GEORGE R. URBANNECK
 PH 207-244-9696
 RT 102 KELLEYTOWN RD P O BOX 65
 SEAL COVE, ME 04674

1593


4/10/06 DATE

52-175/112 BRANCH 03

PAY TO THE ORDER OF Maine State Treasurer \$ 15.00

Fifteen & XX/100 DOLLARS

BOLD WAVE CHECKING

 Bank of the East
 BIR HARBOR BANKING & TRUST COMPANY
 SOUTHWEST HARBOR, MAINE 04679

FOR Quirk Fire Marshall Permit B. Urbanneck

⑆011201759⑆ 821-4412 9⑈ 1593



TO: Captain Cass DATE: May 10, 2006

FAX #: 207-874-8410

COMPANY: City of Portland - Fire Department

FROM: George Urbanneck PAGES: 3

Please call 207-244-3031 if you do not receive all of the pages.

RE: Quirk Chevrolet Building Permit Application - Above-Ground Fuel Tank

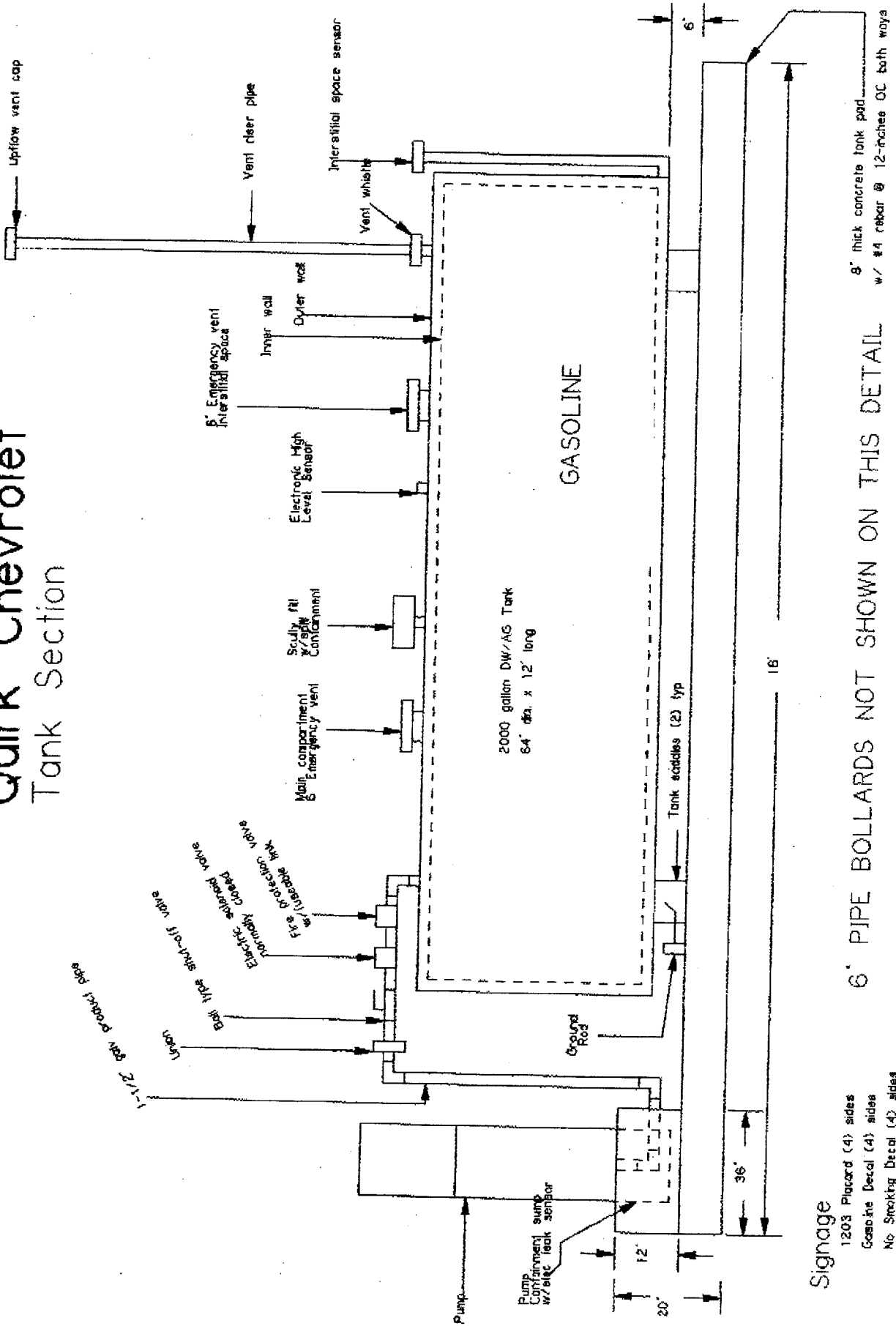
Captain Cass,

Attached is the revised tank section drawing indicating the grounding rod and the proposed signage. Also attached is a letter from Gaftek indicating compliance with NFPA 30.

If you have any *other* questions please call me at 244-3031

Thank you,
George Urbanneck

Quirk Chevrolet Tank Section



8" thick concrete tank pad
w/ #4 rebar @ 12-inches OC both ways

6" PIPE BOLLARDS NOT SHOWN ON THIS DETAIL

Signage
1203 Placard (4) sides
Gasoline Decal (4) sides
No Smoking Decal (40) sides



528 Millvale Road
Bucksport, Maine 04416
TEL 207-469-3907
1-888-485-3829
FAX 207-469-3829

05/09/06

From:
Chris Gaudet
Sales/Estimating
T-207-327-1154
F-207-327-2027
C-207-944-9887
E-MERubicon@wmconnect.com

To:
Greg Cass
Portland Fire Department
T-207-874-8405

RE: AG tank at Quirk Auto Perk, Portland, ME.

Mr. Cass,

This letter is to state that the AG tank to be installed at Quirk Auto Park in Portland, ME will be installed according to NFPA 30 regulations. All components used are UL Listed for this type of application.

We normally install grounding rods on AG tanks; I had not indicated that on the drawing, however, I have revised DWG #3 to show the rod.

Placarding is also done on all (4) sides of the tank. 1203, NO SMOKING, and GASOLINE will be attached.

Gaftek, LLC is a reputable petroleum contractor with offices in Bucksport, ME and Loudon, NH. We regularly install AG and UG petroleum tanks all over New England and are well acquainted with NFPA 30 and ME/DEP laws and follow them to the letter.

If there are any further concerns regarding this project please contact one of the following directly;

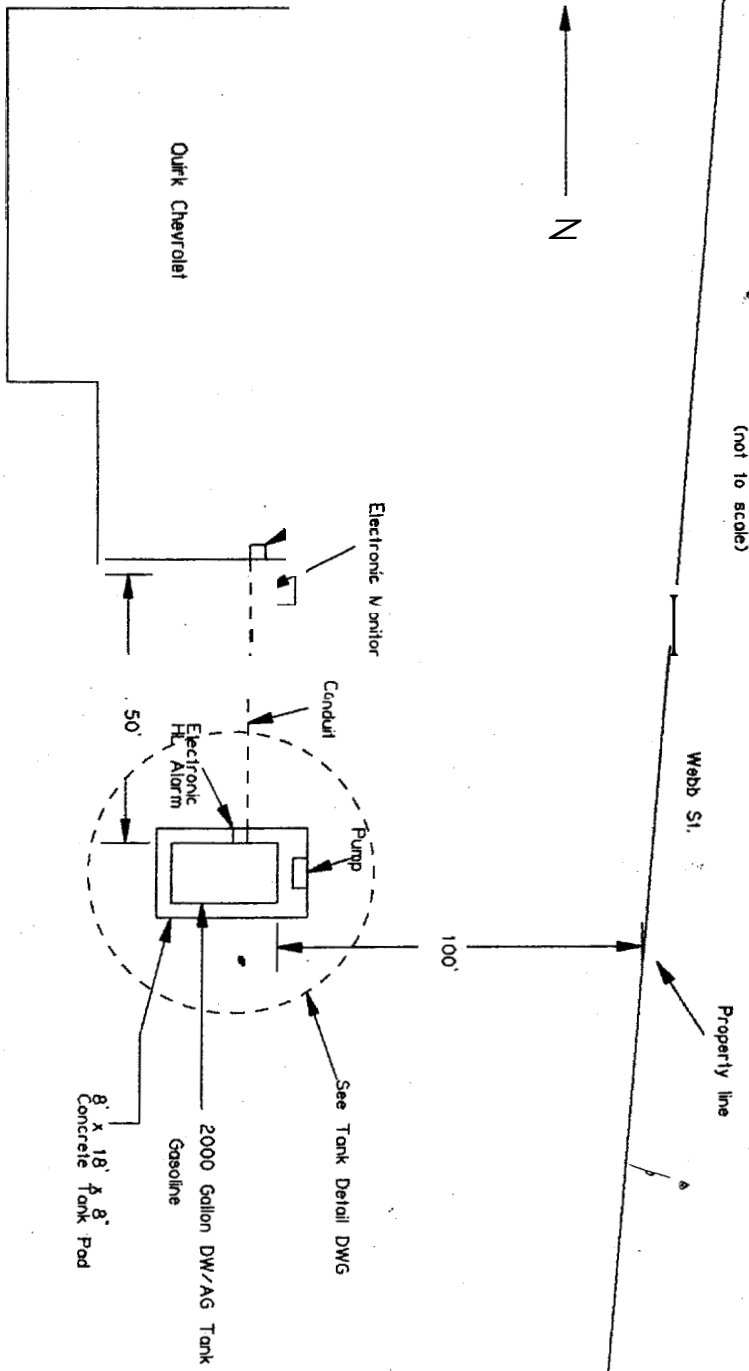
Chris Gaudet
Estimating
Gaftek, LLC
207-327-1154

Gary Kane
Compliance Officer
Gaftek, LLC
1-888-485-5731

Reginald Faulkingham
General Manager
Gaftek, LLC
1-888-485-5731

Quirk Chevrolet - Site Plan

(not to scale)



Goffick, LLC
Chris Gaudet 04/04/06
207-327-1154
Private fleet fueling facility