

City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 02-0066	Issue Date: MAR 4 2002	CBL: 254 A009001
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Location of Construction: 122 Pine Tree Ind Pkwy	Owner Name: Knowles Ellen M	Owner Address: 295 New Portland Rd	Phone:
Business Name: n/a	Contractor Name: Dead River Company	Contractor Address: PO Box 467 Scarborough	Phone: 2078839515
Lessee/Buyer's Name n/a	Phone: n/a	Permit Type: Commercial	Zone: EM

Past Use: Commercial / Office; Equipment Rental	Proposed Use: Commercial / Office; Install one 500 gallon gasoline, one 500 gallon diesel tank and one 1,000 gallon propane dispensing tank. All are for private fueling.	Permit Fee: \$30.00	Cost of Work: \$0.00	CEO District: 3
Proposed Project Description: Install a diesel, gasoline and propane tank for private fueling.		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: B Type: N/A 2/28/02 [Signature]	
		Signature: [Signature]	Signature: [Signature]	

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: Approved Approved w/Conditions Denied

Signature: _____ Date: _____

Permit Taken By: gg	Date Applied For: 01/23/2002	Zoning Approval
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. 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"/> Date: [Signature] 1/30/02	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 Date: _____	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: [Signature]
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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

2/12/02 Noted Diesel Tank to be min 10'
from edge. Skid Mounted Tanks, Double Wall
OK to Install

DEAD RIVER COMPANY

73 Pleasant Hill Road
Scarborough, Maine 04074

F A X C O V E R S H E E T

DATE: February 28, 2002 **TIME:** 2:58 PM
TO: Mr. Nugent **PHONE:**
City of Portland **FAX:** 874-8716
FROM: Dick Connolly **PHONE:** 883-9515
Dead River Company **FAX:** 883-5921

RE: 122 PINE TREE INDUSTRIAL PARKWAY
CC: CORMIER EQUIPMENT CO

Number of Pages Including Cover: 3

Mr. Nugent,

As you requested today, I am sending a specification sheet on the aboveground diesel/gasoline tanks and the vent alarms that Dead River Company is proposing to install at 122 Pine Tree Industrial Parkway. Also as you requested, protection from vehicle traffic will be provided by concrete Jersey Barriers, by Cormier Equipment Co.

In speaking with Mr. Steve Dixon of the State of Maine Fire Marshal's office it is my understanding that the distances as originally proposed and submitted by Dead River Company (specifically the diesel tank 5' from the building) are in fact acceptable and that the City of Portland will deem it them acceptable also; please advise. Thank you.

Dick

DAVE, PLEASE CONFIRM THE
BUILDING SETBACK REDUCTION
W/MAC - DIXON IS OK WITH IT
AND REVIEW THE ATTACHED
BUCA SECTION.

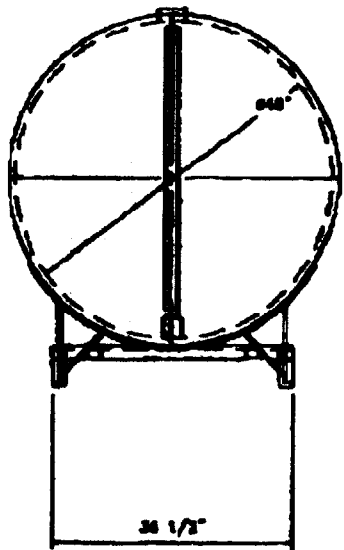
NOTE:
ALL DIMENSIONS REFERENCED TO CENTERLINE UNLESS OTHERWISE NOTED.
FITTING SCHEDULE IS TO BE SUPPLIED IN ANY FORM UNLESS THE WRITTEN PERMISSION
OF THE ENGINEER IS OBTAINED.
THE ENGINEER SHALL BE RESPONSIBLE ONLY FOR THE DESIGN OF THE FITTING SCHEDULE
AND THE PROVISION OF THE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE
CORRECTNESS OF THE LOCATION OF FITTINGS, ACCESSORIES & CHANGES SHOWN ON THIS DRAWING.

FITTING SCHEDULE

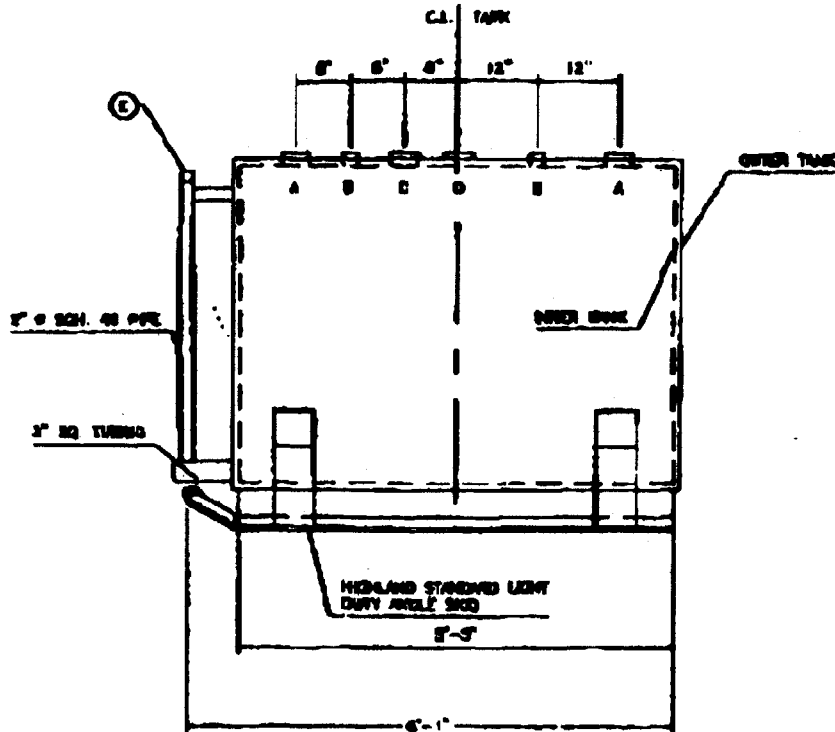
- A- 4" Ø NPT
- B- 2" Ø NPT
- C- 4" Ø NPT (PRIMARY EMERGENCY VIEW)
- D- 4" Ø NPT (SECONDARY EMERGENCY VIEW)
- E- 2" Ø NPT (LEAK DETECTION)

GENERAL NOTES

CAPACITY : 200 GALLONS
TYPE : SINGLE SHELL TYPE / 300', AIRBORNE
MATERIAL : 304 SS
NO. OF SHELLS : 2
CONSTRUCTION : 100% CARBON STEEL
THICKNESS : 5 P.S.I.
DESIGN BASIS ON PRESSURE (PER ILL. 142):
INSIDE SHELL : 12 GA. OUTER SHELL : 10 GA.
INSIDE SHELL : 12 GA. OUTER SHELL : 10 GA.
WELD :
WELDER : NONE
EXPOSURE : 100% FRESH
CONSTRUCTION : PLATE FLANGED HEADS, LAP WELD ALL
EXTERIOR SURFACES ONLY
APPROVED LABELS : 311, 142



END VIEW



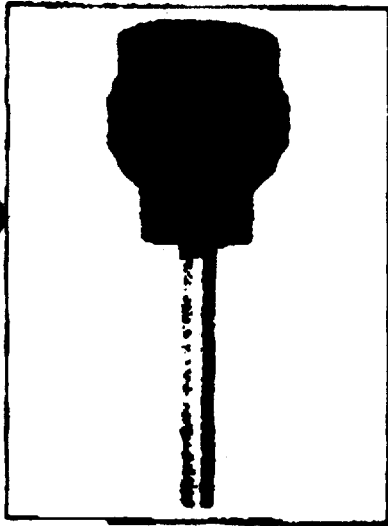
ELEVATION

Highland Tank	
DESIGN APPROVED FOR CONSTRUCTION	
DATE: _____	
PROJECT: _____	
DRAWING NO: _____	
SCALE: _____	

◆ Scully Tank Equipment ◆

Scully Tank Fill Signals The Original Tank Fill Whistle Alarms

Scully tank fill signals are the original whistle-stops. They whistle when the tank is filling. When the whistle stops, the tank is full. The calibrated whistle stems allow for product expansion and may be cut for flat style tanks. A patented screen keeps the whistle chamber free from pipe scale and bugs. Scully fill alarms stop costly spills and prevent ruptured tanks while improving your delivery efficiency. They are completely reliable and accurate. A one time installation usually outlasts the life of the tank. Models are available for most every type of tank installation.



Ventalarm® Signal
 VS524 or
 VS528

Ventalarm® Signals The First And The Finest

- Since 1936! The original Ventalarm tank fill signal built to last.
- Used for above and below ground tanks.
- Version for a 90° pipe elbow available.

Tank Size	Vent Pipe	Model Number	Part Number
1 1/4"	1 1/4"	VS 201	00201
1 1/2"	1 1/2"	VS 202	00202
1 1/2"	1 1/4"	VS 240	00206
2"	1 1/4"	VS 221	00215
2"	1 1/2"	VS 530	00216
2"	2"	VS 270 (Heavy oil)	00209
1 1/4" (90° Elbow)	1 1/4"	VS 230	00227
2"	1 1/2"	Cardinal Tank	00208
2"	2"	VS522 "1 1/4" - up to 2,000 gal.	00272
2"	2"	VS523 "2 1/4" - greater than 2,000 gal.	00274
2"	2"	VS524 For 275 gal. vertical & flat tanks	00275

*For correct vented air

DEAD RIVER FAX 8880 0100	Date <u>2/28/02</u> <u>Page 1</u>
To <u>Scully</u>	From <u>Jennifer</u>
Attn <u>John W. Kennedy</u>	By <u>Scully Signal Co.</u>
Phone <u>(207) 942-3197</u>	Phone <u>(617) 692-8620</u>

Popular Items Are Marked in Red Bold



Call 1-800-272-6569

02 0066

All Purpose 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.

Location/Address of Construction: <u>122 PINE TREE INDUSTRIAL PARKWAY</u>		
Total Square Footage of Proposed Structure	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>254 A 009</u>	Owner:	Telephone:
Lessee/Buyer's Name (If Applicable) <u>CORMIER EQUIPMENT CO</u>	Applicant name, address & telephone: <u>DEAD RIVER CO PO BOX 467 SCARBOROUGH, ME 04074 883-9515</u>	Cost Of Work: \$ _____ Fee: \$ <u>30</u>
Current use: <u>OFFICE / EQUIPMENT RENTAL</u>		
If the location is currently vacant, what was prior use: _____		
Approximately how long has it been vacant: _____		
Proposed use: <u>INSTALL ONE (1) FIVE HUNDRED GALLON GASOLINE & ONE (1) 500 GALLON</u>		
Project description: <u>DIESEL TANK, & ONE (1) 1,000 GAL PROPANE DISPENSING TANK - ALL ARE FOR PRIVATE FUELING</u>		
Contractor's name, address & telephone: <u>DEAD RIVER COMPANY 73 PLEASANT HILL RD SCARBOROUGH, ME 04074</u>		
Who should we contact when the permit is ready: <u>DICIC CONNOLLY 883-9515</u>		
Mailing address: <u>PO BOX 467 SCARBOROUGH, ME 04074</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>883-9515</u>		

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

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.

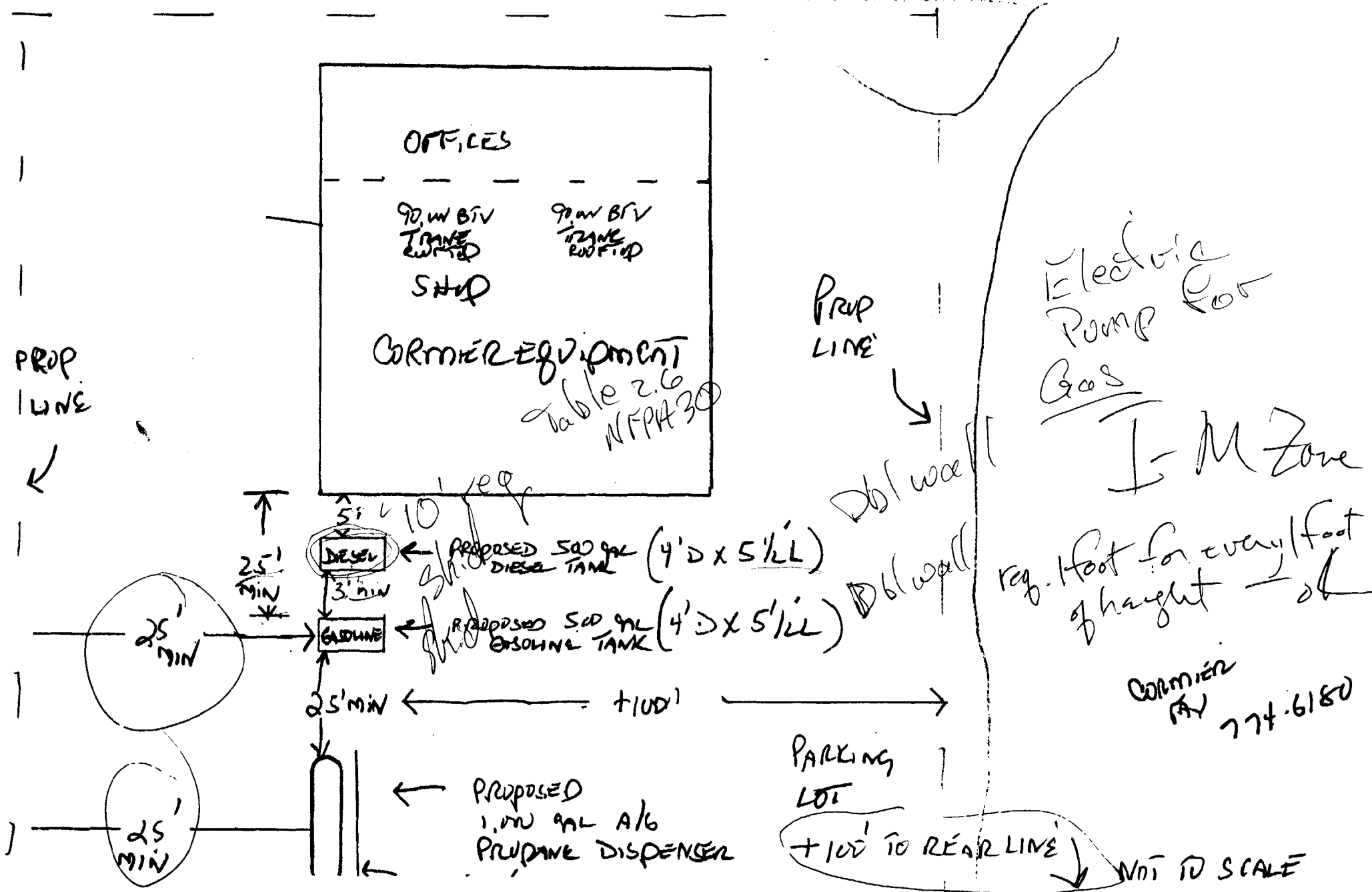
Signature of applicant: DEAD RIVER CO. by [Signature] Date: 1-22-2009

DEPT. OF BUILDING INSPECTION
CITY OF BOSTON

This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting ~~and fees~~ with the Planning Department on the 4th floor of City Hall

RECEIVED

PINE TREE INDUSTRIAL PARKWAY





State of Maine Department of Public Safety

Date: 2/14/02

STATE FIRE MARSHAL'S OFFICE Above Ground Storage

Site Permit No. 3337

In accordance with the provisions of R.S., Title 25 Sec. 2441 as amended, permit is hereby granted for the installation fo flammable liquid storage at:

Location	Owner
CORMIER EQUIPMENT CORP. 122 PINE TREE INDUSTRIAL PARKWAY PORTLAND, ME 04102	DEAD RIVER COMPANY P.O. BOX 467 SCARBOROUGH, ME 04074

TankNumber:	Chamber:	Liquid Description:	Chamber Capacity:
1	1	GASOLINE-UNSPECIFIED	500
Tank Total			500
2	1	DIESEL	500
Tank Total			500
Site Total:			1000

Permit Fee: \$15.00

S.P.C.C. Plan is Required. Below Ground piping must meet D.E.P. requirements. For more information call 287-2651

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below

N/A **Pre-construction Meeting:** Must be scheduled with your inspection team upon receipt of this permit. Jay Reynolds, Development Review Coordinator at 874-8632 must also be contacted at this time, before any site work begins on any project other than single family additions or alterations.

N/A **Footing/Building Location Inspection:** Prior to pouring concrete

N/A **Re-Bar Schedule Inspection:** Prior to pouring concrete

N/A **Foundation Inspection:** Prior to placing ANY backfill

N/A **Framing/Rough Plumbing/Electrical:** Prior to any insulating or drywalling

N/A **Final/Certificate of Occupancy:** Prior to any occupancy of the structure or use. NOTE: There is a \$75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection

N/A **If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

N/A **CERTIFICATE OF OCCUPANCIES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED**

[Signature]
Signature of applicant/designee

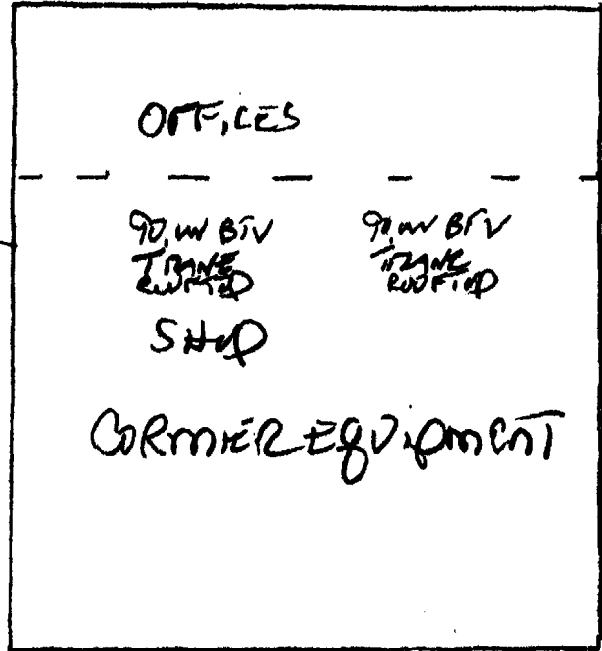
3/4/02
Date

[Signature]
Signature of Inspections Official

3/4/02
Date

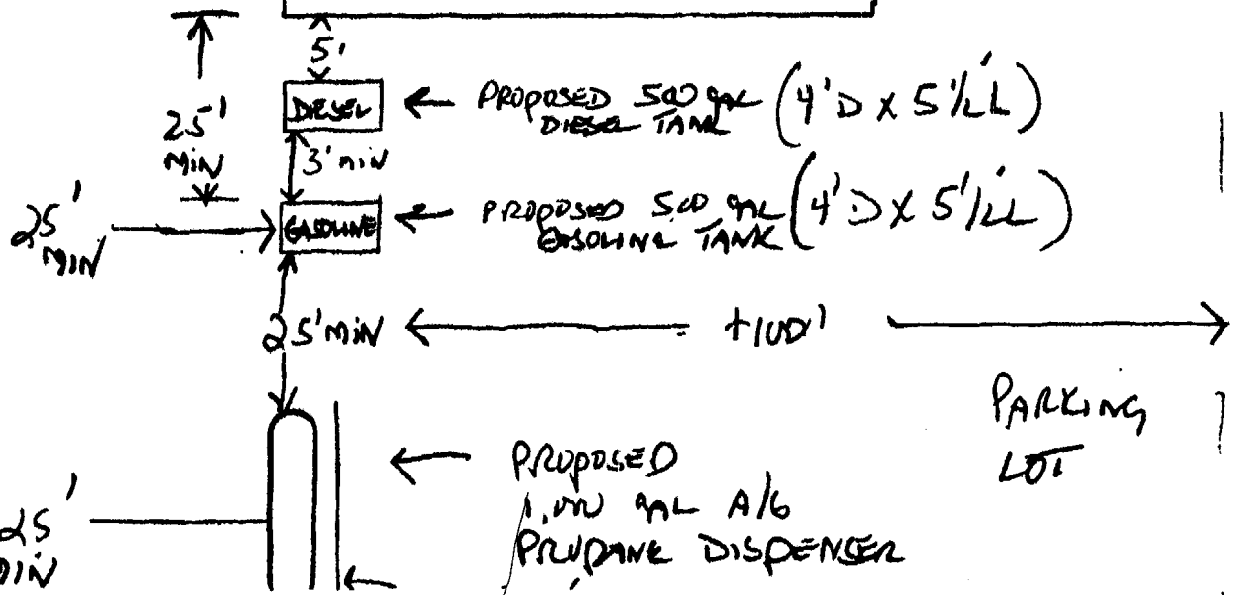
CBL: 254-A009 Building Permit #: 02-0066

PINE TREE INDUSTRIAL PARKWAY



PROP LINE

PROP LINE



COMMERCIAL
P.A.V. 774-1

NOT TO SCALE

APPLICATION FOR EXEMPTION FROM SITE PLAN REVIEW

DEAD RIVER COMPANY
 Applicant
PO BOX 467 SCARBOROUGH, ME 04074
 Applicant's Mailing Address
RICHARD CONNOLLY 883-9515
 Consultant/Agent/Phone Number

1-22-02
 Application Date
FUEL TANKS
 Project Name/Description
122 PINE TREE INDUSTRIAL PARKWAY
 Address of Proposed Site

CDL: 254-A-009

Description of Proposed Development:
INSTALL ONE (1) FIVE HUNDRED GALLON ABOVEGROUND GASOLINE TANK, ONE (1) FIVE HUNDRED GALLON DIESEL TANK, ONE (1) ONE THOUSAND GALLON PROPANE TANK FOR PRIVATE FUELING

Please Attach Sketch/Plan of Proposal/Development

Criteria for Exemptions:

See Section 14-523 (4)

- a) Within Existing Structures; No New Buildings, Demolitions or Additions
- b) Footprint Increase Less Than 500 Sq. Ft.
- c) No New Curb Cuts, Driveways, Parking Areas
- d) Curbs and Sidewalks in Sound Condition/ Comply with ADA
- e) No Additional Parking / No Traffic Increase
- f) No Stormwater Problems
- g) Sufficient Property Screening
- h) Adequate Utilities

Applicant's Assessment (Yes, No, N/A)	Planning Office Use Only
<u>YES</u>	<u>OK</u>
<u>YES</u>	<u>OK</u>
<u>YES</u>	<u>OK</u>
<u>YES</u>	<u>OK</u>
<u>YES</u>	<u>OK</u>
<u>UNKNOWN</u>	<u>OK</u>
<u>UNKNOWN</u>	<u>OK</u>
<u>YES</u>	<u>OK</u>

Planning Office Use Only:

Exemption Granted Partial Exemption Exemption Denied

Planner's Signature Kathleen Gallet Date 1/22/02

White - Planning Office

Pink - Inspections

Yellow - Applicant

417.6.5 Security: Any site occupied for the storage, utilization or handling of *hazardous materials* shall be provided with a fence not less than 6 feet (1829 mm) in height or otherwise secured from public access.

417.6.6 Fire suppression system: Areas occupied for the dispensing or utilization of *flammable hazardous materials* which are located within 50 feet (15240 mm) of either a storage area or building, and vehicle-loading racks where *flammable hazardous materials* are dispensed, shall be equipped with an approved *automatic fire suppression system*.

Exception: Motor vehicle service stations as defined in NFPA 30A listed in Chapter 35.

SECTION 418.0 USE GROUPS H-1, H-2, H-3 AND H-4

418.1 Scope: The provisions of this section shall apply to the storage and utilization of *hazardous materials* in excess of the exempt amounts listed in Section 307.8. All buildings and structures with an occupancy in Use Group H shall also comply with the applicable provisions of Section 417.0 and the fire prevention code listed in Chapter 35.

418.2 Use Group H-1: All occupancies in Use Group H-1 shall be constructed in accordance with the provisions of Sections 418.2.1 and 418.2.2 and the fire prevention code listed in Chapter 35.

418.2.1 Construction: Occupancies in Use Group H-1 shall not be located in buildings that are more than one story in height, have *basements* or other spaces below grade, or which are attached to other buildings. The minimum *fire separation distance* for all exterior walls of occupancies in Use Group H-1 shall be in accordance with the fire prevention code listed in Chapter 35. All floor surfaces shall be spark resistant.

418.2.2 Number of exits: There shall not be less than two *exits* from any area or space wherein Use Group H-1 materials are utilized or stored. All required *exits* shall discharge directly to the exterior of the building or structure.

418.3 Use Group H-2: Occupancies in Use Group H-2 shall be constructed in accordance with Sections 418.3.1 through 418.3.4 and the fire prevention code listed in Chapter 35.

418.3.1 Combustible dusts, grain processing and storage: The provisions of Sections 418.3.1.1 through 418.3.1.6 shall apply to all buildings in which materials that produce *combustible dusts* are stored or handled. Buildings which store or handle *combustible dusts* shall comply with the applicable provisions of NFPA 61, 120, 651, 654, 655, 664 and 8503 and the fire prevention code listed in Chapter 35.

418.3.1.1 Type of construction and height exceptions: All buildings shall be of Type 1, Type 2 or Type 4 construction, within the height and area limitations of Table 503 for Use Group H-2; except that where erected of Type 1 or Type 2 construction, the heights and areas of grain elevators and similar structures shall be unlimited, and where of Type 4 construction, the maximum height shall be 65 feet (19812 mm) and except further that, in isolated areas, the maximum height of Type 4 structures shall be increased to 85 feet (25908 mm).

418.3.1.2 Grinding rooms: Every room or space occupied for grinding or other operations that produce *combustible dusts* shall be enclosed with floors and walls that have not less than a 2-hour fire-resistance rating where the area is not more than 3,000 square feet (279 m²), and not less than a 4-hour fire-resistance rating where the area is greater than 3,000 square feet (279 m²).

418.3.1.3 Conveyors: All *conveyors*, chutes, piping and similar equipment passing through the enclosures of rooms or spaces shall be constructed dirt tight and vapor tight, and be of approved noncombustible materials complying with Section 3010.0.

418.3.1.4 Explosion relief: Means for explosion relief shall be provided as specified in Section 417.5.1, or spaces shall be equipped with the equivalent mechanical *ventilation* complying with the mechanical code listed in Chapter 35.

418.3.1.5 Grain elevators: Grain elevators, malt houses and buildings for similar occupancies shall not be located within 30 feet (9144 mm) of *interior lot lines* or structures on the same *lot*, except where erected along a railroad right-of-way.

418.3.1.6 Coal pockets: Coal pockets located less than 30 feet (9144 mm) from *interior lot lines* or from structures on the same *lot* shall be constructed of not less than Type 2A construction. Where more than 30 feet (9144 mm) from *interior lot lines*, or where erected along a railroad right-of-way, the minimum type of construction of such structures not more than 65 feet (19812 mm) in height shall be Type 4.

418.3.2 Flammable and combustible liquids: The storage, handling, processing and transporting of *flammable* and *combustible liquids* shall be in accordance with the mechanical code and the fire prevention code listed in Chapter 35. Where a Class I, II or IIIA *flammable* or *combustible liquid* is stored in tanks inside the building, the installation shall conform to Sections 418.3.2.1 through 418.3.2.10 and NFPA 30 listed in Chapter 35. The requirements shall only apply where tanks have an individual storage capacity that exceeds the exempt amounts specified in Tables 307.8(1) and 307.8(2). The *fire area* containing the tank(s) shall be classified as Use Group H-2.

418.3.2.1 Mixed use groups: Where the storage tank area is located in a building of two or more use groups, the Use Group H-2 *fire area* shall be completely separated from adjacent *fire areas* in accordance with the requirements of Section 313.1.2.

418.3.2.1.1 Height exception: Where storage tanks are located within only a single story, the *height* limitation of Section 503.3 shall not apply for the Use Group H-2 *fire area*.

418.3.2.2 Tank protection: All storage tanks shall be noncombustible and protected from physical damage. A *fire separation assembly* around the storage tank(s) shall be permitted to be classified as the method of protection from physical damage.

418.3.2.3 Tanks for Class I flammable liquid: All storage tanks for Class I *flammable liquids* shall be double-walled tanks. A double-walled tank shall consist of an approved tank conforming to the requirements of the fire prevention code listed in Chapter 35, installed within a completely enclosed noncombustible containment structure. The containment structure shall prevent the stored liquid from escaping into the room or area in which the tank is located. A leak detection alarm shall be provided to identify a leak of the primary wall of the tank. The alarm shall conform to Section 418.3.2.6.

418.3.2.4 Suppression: The Use Group H-2 *fire area* shall be equipped throughout with an approved *automatic fire sprinkler system*, installed in accordance with Section 906.2.1, or with a foam-extinguishing system. The *automatic fire suppression system* shall be supervised by method 1 of Section 924.1.

418.3.2.5 Leakage containment: A liquid-tight containment area compatible with the stored liquid shall be provided to retain 110 percent of the entire capacity of all the storage liquid in the event of a leak in a tank plus the capacity of the *automatic fire suppression system* activated for a period of 30 minutes. The storage tanks and the leakage containment area shall be provided with an approved method to drain manually the *flammable* or *combustible liquid*.

Exception: Rooms where only double-wall storage tanks conforming to Section 418.3.2.3 are used to store Class I, II and IIIA *flammable* and *combustible liquids* shall not be required to have a leakage containment area.

418.3.2.6 Leakage alarm: An approved automatic alarm shall be provided to indicate a leak in a storage tank and room. The alarm shall sound an audible signal, 15 dBA above the ambient sound level, at every point of entry into the room in which the leaking storage tank is located. An approved *sign* shall be posted on every entry door to the tank storage room indicating the potential hazard of the interior room environment, or the *sign* shall state, "Warning, when alarm sounds, the environment within the room may be hazardous." The leakage alarm shall also be supervised in accordance with Section 924.2 to transmit a trouble signal.

418.3.2.7 Tank vent: Storage tank vents shall terminate to the outdoor air. The vent termination shall be in an approved location a minimum of 12 feet (3658 mm) above adjacent ground level and 10 feet (3048 mm) from a *lot line*, *ventilation* intake opening, openable window or door.

418.3.2.8 Room ventilation: Storage tank areas storing Class I liquids, or Class II or IIIA liquids at temperatures above *flash point*, shall be *ventilated* at a rate sufficient to maintain the concentration of vapors within the area at or below 25 percent of the lower *explosive limit*. *Ventilation* requirements shall be determined by either calculations based on anticipated fugitive emissions or by sampling of the actual vapor concentration levels under normal operating conditions. The sampling shall be conducted at a 5-foot

radius from each potential vapor source in the storage area. Provision shall be made for make-up air to avoid short-circuiting the *ventilation*.

418.3.2.9 Explosion venting: Where Class I liquids are being stored, explosion venting shall be provided in accordance with Section 417.5.

418.3.2.10 Tank openings other than vents: Tank openings other than vents from tanks inside buildings shall be designed to ensure that liquids or vapor concentrations are not released inside the building and shall conform to Sections 418.3.2.10.1 through 418.3.2.10.5.

418.3.2.10.1 Liquid tight: All tank openings at the maximum liquid level or below shall be liquid tight.

418.3.2.10.2 Closed: All tank openings above the maximum liquid level shall be normally closed.

418.3.2.10.3 External valve: Each connection through which liquid is capable of gravity flow from a tank inside a building shall be provided with an external valve located as close as practical to, but not more than 2 feet from, the shell of the tank.

418.3.2.10.4 Valves on transfer connections: Tanks storing Class I or Class II liquids shall be provided with either a normally closed, remotely activated valve or an automatic-closing, heat-activated valve or other approved device on each liquid transfer connection below the liquid level, except for connections utilized for emergency disposal.

418.3.2.10.5 Overflow protection: Tanks shall be equipped with a device, or other means provided, to prevent overflow into the building.

418.3.3 Liquefied petroleum gas distribution facilities: The design and construction of propane, butane, propylene, butylene and other liquefied petroleum gas distribution facilities shall conform to the applicable provisions of Sections 418.3.3.1 through 418.3.3.5.2. The storage and handling of liquefied petroleum gas systems shall conform to the fire prevention code listed in Chapter 35. The design and installation of piping, equipment and systems which utilize liquefied petroleum gas shall be in accordance with the mechanical code listed in Chapter 35. Liquefied petroleum gas distribution facilities shall be *ventilated* in accordance with the mechanical code listed in Chapter 35 and Section 418.3.3.1.

418.3.3.1 Air movement: Liquefied petroleum gas distribution facilities shall be provided with air inlets and outlets arranged so that air movement across the floor of the facility will be uniform. The total area of both inlet and outlet openings shall be at least 1 square inch (645 mm²) for each 1 square foot (0.093 m²) of floor area. The bottom of such openings shall not be more than 6 inches (152 mm) above the floor.

418.3.3.2 Construction: Liquefied petroleum gas distribution facilities shall be constructed in accordance with Section 418.3.3.3 for separate buildings, Section 418.3.3.4 for attached buildings or Section 418.3.3.5 for rooms within buildings.



**DOMENECH
HICKS &
KROCKMALNIC
ARCHITECTS**

155 Massachusetts Ave.
Boston, MA 02115
617-267-6408
Fax 617-267-1990

**PHASE I
PARKING
GARAGE**
PREPARED FOR:
**PORTLAND
INT.
JETPORT**
PORTLAND,
MAINE

Dwg Title
RAMP ELEVATION

Filename
SKA08

Drawn By
ARC

Job No.
2003

Scale
1/8" = 1'-0"

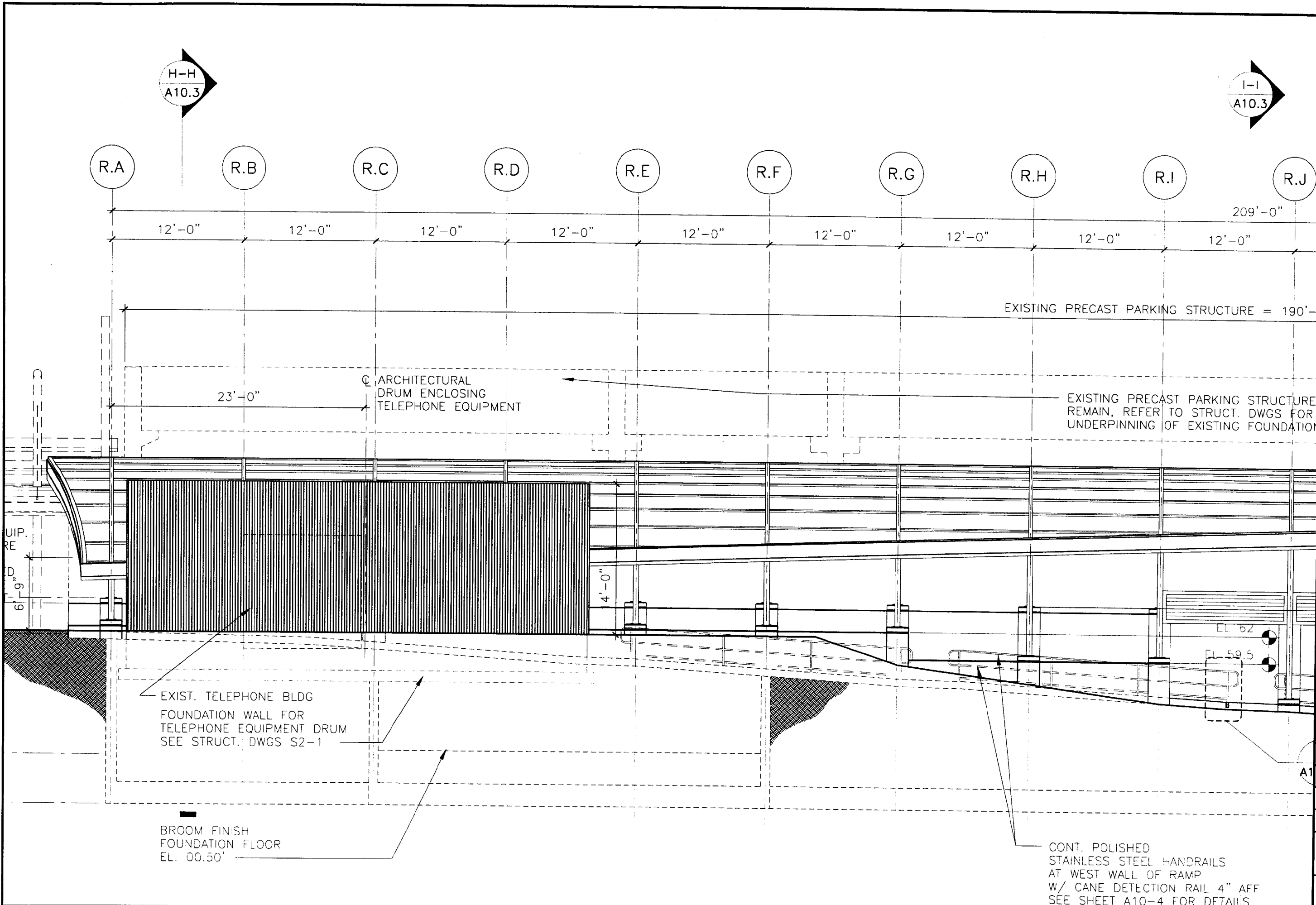
Date
2/26/02

Drawing Reference No.
2/A10-2

RFI 96

Sketch No.

SK A8



H-H
A10.3

I-I
A10.3

R.A. R.B. R.C. R.D. R.E. R.F. R.G. R.H. R.I. R.J.

12'-0" 12'-0" 12'-0" 12'-0" 12'-0" 12'-0" 12'-0" 12'-0" 12'-0" 12'-0" 209'-0"

EXISTING PRECAST PARKING STRUCTURE = 190'-

23'-0" ARCHITECTURAL DRUM ENCLLOSING TELEPHONE EQUIPMENT

EXISTING PRECAST PARKING STRUCTURE REMAIN, REFER TO STRUCT. DWGS FOR UNDERPINNING OF EXISTING FOUNDATION

6'-9" U.I.P. RE

EXIST. TELEPHONE BLDG FOUNDATION WALL FOR TELEPHONE EQUIPMENT DRUM SEE STRUCT. DWGS S2-1

BROOM FINISH FOUNDATION FLOOR EL. 00.50'

CONT. POLISHED STAINLESS STEEL HANDRAILS AT WEST WALL OF RAMP W/ CANE DETECTION RAIL 4" AFF SEE SHEET A10-4 FOR DETAILS

A1