

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

Location of Construction: 1000 Brighton Ave.		Owner: Forest City Chevrolet Inc		Phone:		Permit No: 941272
Owner Address: 1000 Brighton Ave - Ptd, ME 04102		Leasee/Buyer's Name:		Phone:		
Contractor Name: Sprinkler Systems, Inc		Address: Box 1285 - Lewiston, ME 04243		Phone: 752-0194		<div style="border: 2px solid black; padding: 5px; text-align: center;"> PERMIT ISSUED DEC - 7 1994 </div>
Past Use: retail car sales		Proposed Use: retail car sales sprinkler system		COST OF WORK: \$ 5,000 PERMIT FEE: \$ 45 FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied INSPECTION: Use Group: 4 Type: 300A 82 Signature: <i>[Signature]</i>		
Proposed Project Description: install sprinkler system		PEDESTRIAN ACTIVITIES DISTRICT (P.U.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/> Signature: _____ Date: _____		Zone: <input checked="" type="checkbox"/> CBL: PORTLAND Zoning Approval: 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"/>		
Permit Taken By: L Chase		Date Applied For: 12/1/94				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 <input checked="" type="checkbox"/> Historic Preservation <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review

1. This permit application doesn't 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..

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 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 provisions of the code(s) applicable to such permit

SIGNATURE OF APPLICANT <i>[Signature]</i>		ADDRESS:		DATE: 12/1/94		PHONE:	
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE						PHONE:	

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

CEO DISTRICT 4
[Signature]

COMMENTS

9/23 System Installed ref to PFD OK *Hymus*

Inspection Record

Type	Date
Foundation: _____	_____
Framing: _____	_____
Plumbing: _____	_____
Final: _____	_____
Other: _____	_____

SPRINKLER SYSTEMS INC.

P.O. Box 1285
LEWISTON, ME 04243-1285

Letter of Transmittal

(207) 782-0104 FAX (207) 783-4865

TO CITY OF PORTLAND

DATE	<u>11-29-94</u>	JOB NO.	<u>94054</u>
ATTENTION			
RE: <u>FOREST CITY CHEVY ADDITION</u>			

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
<u>2</u>	<u>11-28-94</u>	<u>ONE</u>	<u>SPRINKLER PLAN</u>
<u>1</u>			<u>45.00 CHECK (5,000.00 JOB)</u>

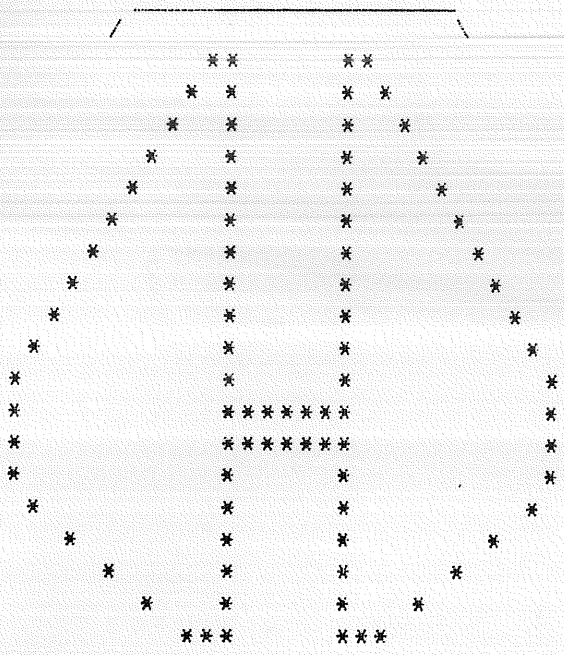
THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input checked="" type="checkbox"/> For review and comment | <input checked="" type="checkbox"/> <u>PERMIT</u> | |
| <input type="checkbox"/> FOR BIDS DUE _____ 19____ | | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US |

REMARKS _____

COPY TO _____ SIGNED: Tom Mower

If enclosures are not as noted, kindly notify us at once.



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[\\ \\ \\ \\ \\ \\ \\ \\]

...FIRE PROTECTION BY COMPUTER DESIGN

* SPRINKLER SYSTEMS INC. *
* LEWISTON, ME 04240 *
* 207-782-0104 *

* CONTRACTOR SPRINKLER SYSTEMS INC. *
* NAME FOREST CITY MOTOR CO. *
* LOCATION BRIGHTON AVE. PORTLAND, MAINE *
* SYSTEM NO. 1 WET *
* CONTRACT NO. 94054 *

SPRINKLER SYSTEMS INC.

LEWISTON, ME 04240
207-782-0104

HYDRAULIC DESIGN INFORMATION SHEET

NAME FOREST CITY MOTOR CO. DATE 11/28/94
 LOCATION BRIGHTON AVE. PORTLAND, MAINE
 BUILDING NEW ADDITION SYSTEM NO. 1 WET
 CONTRACTOR SPRINKLER SYSTEMS INC. CONTRACT NO. 94054
 CALCULATED BY CDS DRAWING NO. 1 OF 1
 CONSTRUCTION: () COMBUSTIBLE (X) NON-COMBUSTIBLE CEILING HEIGHT
 OCCUPANCY AUTOMOBILE REPAIR GARAGE

S ! (X) NFPA 13 () LT. HAZ. ORD. HAZ. GP. () 1 (X) 2 () 3 () EX. HAZ.
 Y ! () NFPA 231 () NFPA 231C FIGURE 2-2.1.1B CURVE
 S ! () OTHER
 T ! () SPECIFIC RULING MADE BY DATE

E !
 M ! AREA OF SPRINKLER OPERATION 1500 SYSTEM TYPE
 ! DENSITY- GPM .2 (X) WET () DRY () DELUGE () PREACTION
 D ! AREA PER SPRINKLER 130 SPRINKLER OR NOZZLE
 E ! HOSE ALLOWANCE GPM-INSIDE 0 MAKE RELIABLE MODEL "G"
 S ! HOSE ALLOWANCE GPM-OUTSIDE 250 SIZE 1/2" K-FACTOR 5.6
 I ! RACK SPRINKLER ALLOWANCE 0 TEMPERATURE RATING 165
 G !
 N !

=====
 CALCULATION ! GPM REQUIRED 369.07 PSI REQUIRED 60.27 AT BASE OF RISER
 SUMMARY ! C FACTOR USED: OVERHEAD 120 UNDERGROUND 140
 =====

W ! WATER FLOW TEST ! PUMP DATA ! TANK OR RESERVOIR
 A ! DATE OF TEST 08/06/93 ! RATED CAP 0 ! CAP. 0
 T ! TIME OF TEST AM ! AT PSI 0 ! ELEV. 0
 E ! STATIC (PSI) 70 ! ELEV 0 !
 R ! RESIDUAL (PSI) 64 ! ! WELL
 ! FLOW (GPM) 1061 ! !
 S ! ELEVATION 3.50' B.F.F. ! ! PROOF FLOW GPM 0
 U !
 P !

P ! LOCATION : 8" IN STREET
 L ! SOURCE OF INFORMATION : PORTLAND WATER DISTRICT
 Y !

=====
 ! COMMODITY CLASS LOCATION
 C ! STORAGE HT. AREA AISLE WIDTH
 O ! STORAGE METHOD: SOLID PILED % PALLETIZED % RACK %
 M !
 M ! () SINGLE ROW () CONVEN. PALLET () AUTO. STORAGE () ENCAP.
 ! R ! () DOUBLE ROW () SLAVE PALLET () SOLID SHELVING () NON-ENCAP
 S ! A ! () MULTIPLE ROW () OPEN SHELVING
 T ! C !
 O ! K ! FLUE SPACING: CLEARANCE: STORAGE TO CEILING
 R ! ! LONGITUDINAL TRANSVERSE
 A ! !
 G ! ! HORIZONTAL BARRIERS PROVIDED:
 E ! !
 =====

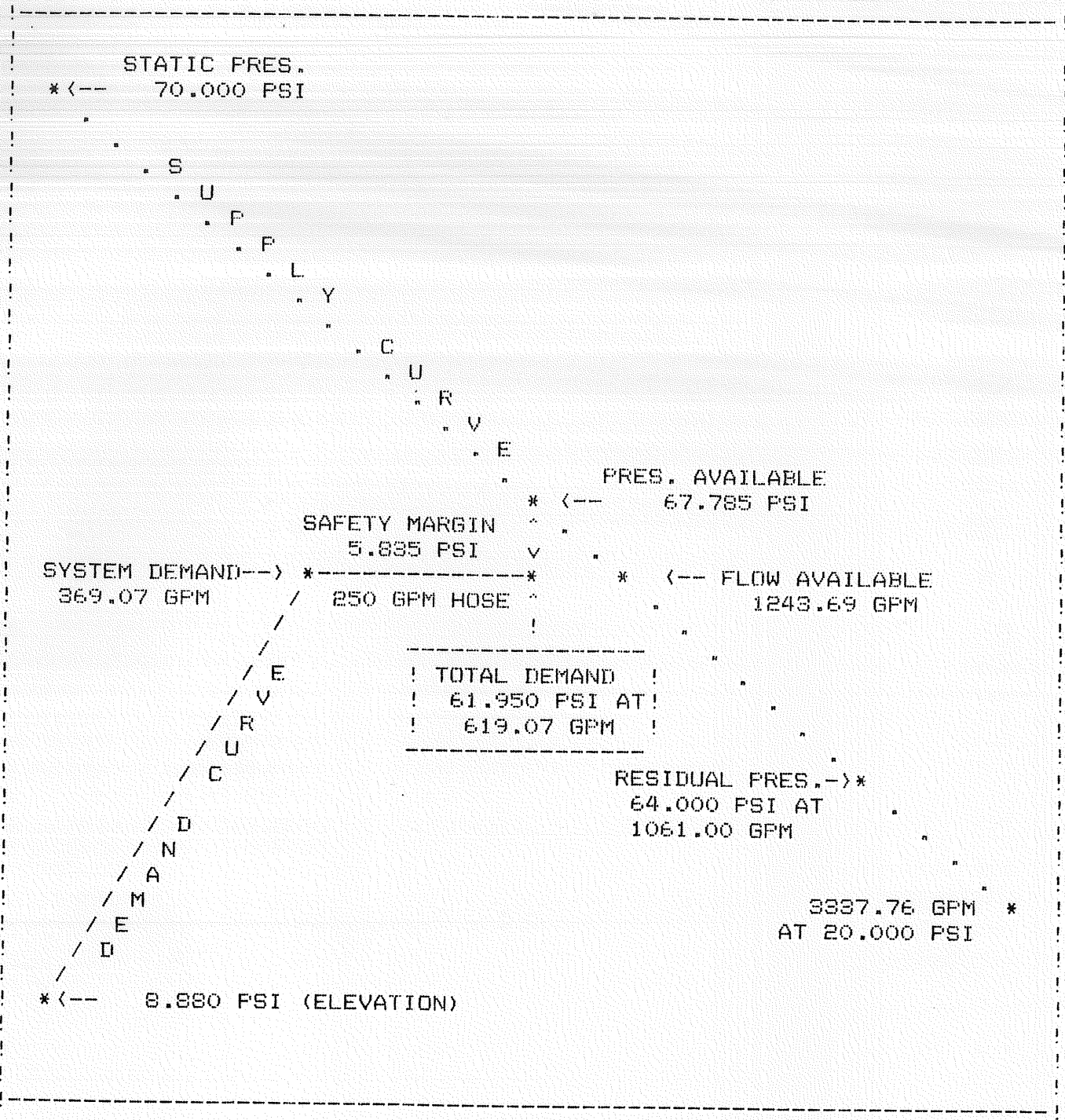
UNITS - DIAMETER (INCH) LENGTH (FOOT) FLOW (GPM) PRESSURE (PSI)

HYDRLC. REF. POINT	QA FLOW QT	"C" DIA. LOSS/F	EQUIV. FITTING LENGTHS	PIPE FTGS. TOT.	PT PE PF	PT PV PN	***** NOTES *****
1-1	26.19	1.452 C=120		8.33 0.00	21.88 0.00		K*SQR(P)) 0.20X130.0 K= 5.600 P= 21.88
	26.19	0.0439		8.33	0.37		
1-2	26.00	1.452 C=120		8.33 0.00	22.25 0.00	22.25 0.69	K= 5.600 P= 21.56 VELOCITY = 10.10
	52.19	0.1575		8.33	1.31	21.56	
1-3	26.68	1.687 C=120		8.33 0.00	23.56 0.00	23.56 0.86	K= 5.600 P= 22.70 VELOCITY = 11.31
	78.87	0.1628		8.33	1.36	22.70	
1-4	27.07	1.687 C=120		8.33 0.00	24.92 0.00	24.92 1.56	K= 5.600 P= 23.36 VELOCITY = 15.19
	105.94	0.2811		8.33	2.34	23.36	
1-5	27.87	1.687 C=120		8.33 0.00	27.26 0.00	27.26 2.49	K= 5.600 P= 24.77 VELOCITY = 19.19
	133.81	0.4331		8.33	3.61	24.77	
1-6	30.40	2.154 C=120	3E 5.0 1T10.0	15.00 25.00	30.87 0.00	30.87 1.41	K= 5.600 P= 29.46 VELOCITY = 14.45
	164.21	0.1924		40.00	7.70	29.46	
1	164.21				38.57		K 61= 26.440
2-1	26.19	1.452 C=120		8.33 0.00	21.88 0.00		K*SQR(P)) 0.20X130.0 K= 5.600 P= 21.88
	26.19	0.0439		8.33	0.37		
2-2	26.00	1.452 C=120		8.33 0.00	22.25 0.00	22.25 0.69	K= 5.600 P= 21.56 VELOCITY = 10.10
	52.19	0.1575		8.33	1.31	21.56	
2-3	26.68	1.687 C=120		8.33 0.00	23.56 0.00	23.56 0.86	K= 5.600 P= 22.70 VELOCITY = 11.31
	78.87	0.1628		8.33	1.36	22.70	
2-4	27.07	1.687 C=120		8.33 0.00	24.92 0.00	24.92 1.56	K= 5.600 P= 23.36 VELOCITY = 15.19
	105.94	0.2811		8.33	2.34	23.36	
2-5	27.87	1.687 C=120		8.33 0.00	27.26 0.00	27.26 2.49	K= 5.600 P= 24.77 VELOCITY = 19.19
	133.81	0.4331		8.33	3.61	24.77	
2-6	30.40	2.154 C=120	1E 5.0 1T10.0	10.00 15.00	30.87 0.00	30.87 1.41	K= 5.600 P= 29.46 VELOCITY = 14.45
	164.21	0.1924		25.00	4.81	29.46	

HYDRLC. REF. POINT	QA FLOW QT	DIA. "C" LOSS/F	EQUIV. FITTING LENGTHS	PIPE FTGS. TOT.	PT PE PF	PT PV PN	***** NOTES *****
2	164.21				35.68		K 62= 27.490
3-1	26.00	2.154 C=120	1E 5.0 1T10.0	10.00 15.00	21.56 0.00		QA= 0.20 X 130.00SDF K= 5.600 V = 2.29
	26.00	0.0063		25.00	0.16		
3	26.00				21.72		K 63= 5.580
1	164.20	4.260 C=120		20.00 0.00	38.57 0.00		Q=K*SQR(P) ; P= 38.57 K= 26.440 V = 3.69
	164.20	0.0069		20.00	0.14		
2	170.19	4.260 C=120		15.00 0.00	38.71 0.00	38.71	K= 27.490 P= 38.33 VELOCITY = 7.52
	334.39	0.0258		15.00	0.39	38.33	
3	34.68	4.260 C=120	8E10.0 1T20.0	225.00 112.00	39.10 0.00	39.10	K= 5.580 P= 38.63 VELOCITY = 8.30
	369.07	0.0310	12.00F.	337.00	10.48	38.63	
4	0.00	4.026 C=120	2E10.0 1T20.0	30.00 40.00	49.58 0.00		QA= 0.0 PT= 49.58 VELOCITY = 9.29
	369.07	0.0409		70.00	2.87		
5	0.00	6.065 C=120	2E14.0	21.00 28.00	52.45 0.00		QA= 0.0 PT= 52.45 VELOCITY = 4.09
	369.07	0.0055		49.00	0.27		
TOV	0.00	6.065 C=120		5.00 30.00	52.72 7.36		QA= 0.0 PT= 52.72 VELOCITY = 4.09
	369.07	0.0055	30.00F.	35.00	0.19		PE= FOR HT. OF 16.9
BASE	369.07				60.27		K 64= 47.540
BASE	369.07	7.980 C=140	3E29.2 1T51.8	4.00 139.65	60.27 0.00		QA= 369.0 PT= 60.27 VELOCITY = 2.37
	369.07	0.0010		143.65	0.16		
HOSE	250.00	11.980 C=140		1.00 0.00	60.43 1.52		QA= 250.0 PT= 60.43 VELOCITY = 1.76
	619.07	0.0003		1.00	0.00		PE= FOR HT. OF 3.5
TEST	619.07				61.95		K 65= 78.650

***** SPRINKLER SYSTEMS INC. *****
JOB- FOREST CITY MOTOR CO. JOB NO 94054 DATE 11/28/94 PAGE 4
***** .20/1500+250 REMOTE AREA*****

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HYDRLC. GA DIA. EQUIV. PIPE PT PT
REF. FLOW "C" FITTING FTGS. PE PV ***** NOTES *****
POINT QT LOSS/F LENGTHS TOT. PF PN
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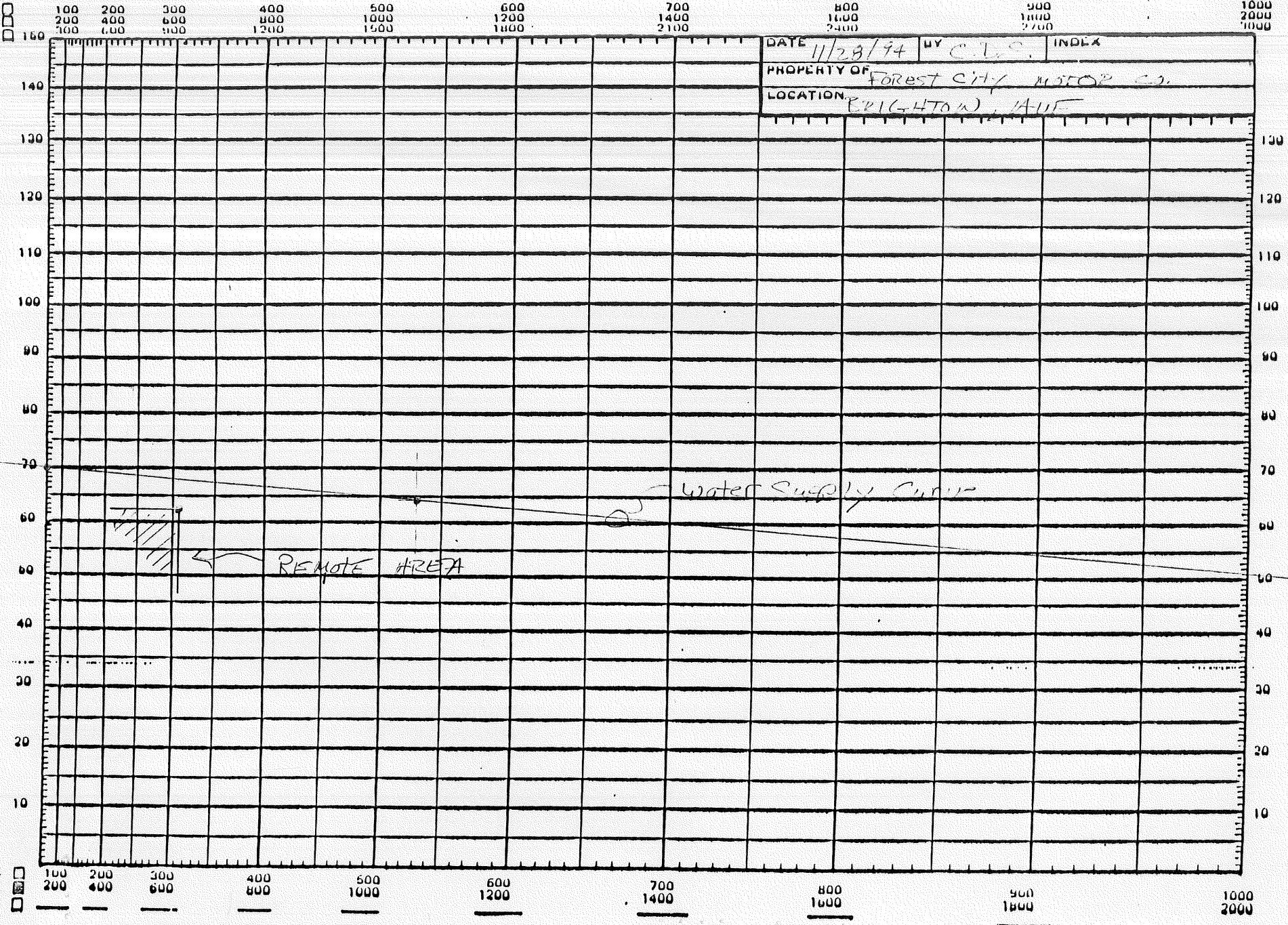


FLOW (GPM)

FLOW SUMMARY

SYSTEM FLOW	369.07 GPM
OUTSIDE HOSE	250.00 GPM
TOTAL DEMAND	619.07 GPM

WATER SUPPLY GRAPH NO. N 1.85



DATE 11/28/94 BY C.L.C. INDEX
PROPERTY OF FOREST CITY MOTOR CO.
LOCATION BRIGHAM AVE