CITY OF NEW BEDFORD

APPLICATION FOR CONNECTION TO
PUBLIC SANITARY SEWER AND/OR STORM DRAIN

Application No. № 21745   Date 11-21-88

The undersigned hereby requests permission to connect a building sanitary and/or storm sewer from the premises located at _Willis St. s.w. cor. Pleasant_, Assessors' Plot 65-
Lot 133, to the public sanitary/storm sewer(s) in _Willis_ ;
Street
the same to be installed in accordance with the terms and conditions set forth herein, and the ordinances of the City of New Bedford.

Name of Property Owner: _N.B. Child & Family Services_ Tel. _996-8572_ X
Please Print

Owner's Mailing Address: _1061 Pleasant St. N.B. MA_

If application is being submitted by other than actual property owner, indicate that person's

Name: .... Tel. ....

Mailing Address: ....

and attach Letter of Authorization from Property Owner hereto.

BONDED CONTRACTOR OR DRAIN LAYER MAKING INSTALLATION

Name: _Sherry Cons_ Tel. _673-2051_
Address: _Sears Rd. P.O. Box 151 Swansea, MA 02777_

JOINT MAINTENANCE AGREEMENT REQUIRED

If this connection is to be part of a private service shared jointly with other building owners, attach copy of Recorded Joint Maintenance Agreement hereto.

PERMITS TO INDUSTRIAL AND/OR COMMERCIAL APPLICANTS

Permits can be issued to Industrial and/or Commercial Applicants only upon receipt and approval by the Commissioner of Public Works of such supplemental information, including drawings, composition and quantity data, and other pertinent information as he may require.

In addition, a valid Industrial User Discharge Permit issued by the City, and a valid Permit for Sewer System Extension or Connection issued by the Commonwealth of Massachusetts, Division of Water Pollution Control, shall be required for applicants wishing to discharge industrial wastes to the City's sewer system.

Industrial User Discharge Permit No. .... Date ....

Comm. Mass. Sewer Conn./Ext. Permit No. .... Date ....

TERMS

a) Type of Pipe Required: _PVC SDR-35_

b) Separate Sanitary and Storm connections are required where a 2 - pipe system exists in the street.

c) All work must be inspected and approved by a D.P.W. Inspector, both in the street and on private property, before backfilling.

d) A Filing and Inspection Fee of $ _30.00_, plus an Entrance Fee of $ .... where applicable, must accompany this application.

e) Other requirements: _Insp only - Sherry Cons. to do all work - Storm drain conn. only to exist catch Basin @ corner_

Applicant agrees to abide by the above terms, as well as all pertinent ordinances of the City of New Bedford, and such other special rules as the Commissioner of Public Works may deem necessary.

Kathleen J Burns   _New Bedford Child & Family Service_
Commissioner of Public Works   Signature of Property Owner

By: _Susan Harris_   By: _Maureen R O'Neill_
                                      Signature of Owner's Representative

31 - 144

Dyer|Brown

Dyer/Brown & Associates, Inc., Architects

75 Broad Street Boston MA 02109
617 426-1680   FAX 617 426-2187

65 William Street New Bedford MA 02740
508 999-6220   FAX 508 990-1265

John Chouteau Dyer AIA RIBA
Jeffrey W. Brown AIA
Ronald E. Swenson AIA
Christopher R. Gillespie AIA
Roger D. Shepley AIA

August 1, 1988

CALCULATIONS

City of New Bedford - Parking Lots   86124.05
Rain water run-off for new parking lots

CHILD AND FAMILY SERVICE - 1061 PLEASANT ST.

Calculations are based on a ten year storm.

$Q = CIA$

Q = Storm water run-off from an area, in cubic ft/sec.

C = Coefficient of run-off (percentage of rainfall that runs off)

I = Intensity of rainfall in inches per hour for a particular locality.

A = Area in acres (43,560 Sq. Ft. per acre)

AREA OF PAVING

AREA A: 62' x 80' = 4,960 Sq. Ft.

$Q = .95 \times 2" \times \dfrac{4,960}{43,560} = 0.216$ Cu. Ft./Sec.

Slope of Pipe = 1/2 in 12" = 4.16%

Ref. to chart Fig. 7-5,   5" diameter pipe req.

10" diameter pipe to be installed.

AREA B: 62' x 95' = 5,890 Sq. Ft.

$Q = .95 \times 2" \times \dfrac{5,890}{43,560} - .256$ Cu. Ft./Sec.

Slope of Pipe = 1/2" in 12" = 4.16%

Add area run-off A + B = 0.216 + .256 = .472 Cu. Ft./Sec.

Ref. to chart Fig. 7-5, 8" diameter required

10" diameter pipe to be installed.

86124.05
CALCULATIONS
8/1/88
Page 2

ASSOCIATION FOR RETARDED CITIZENS - 247 SMITH STREET

AREA C: 62' x 119' = 7,378 Sq. Ft.

$Q = .95 \times 2" \times \dfrac{7,378}{43,560} = .321$ Cu. Ft./Sec.

Slope of Pipe = 1/8" per 12" = 1.04% slope

Ref. to chart Fig. 7-5, 5" diameter pipe required.

10" diameter pipe to be installed

Velocity in pipe is more than 2.5 Ft./Sec for self-cleaning.

Dyer/Brown & Associates, Inc., Architects
P. Bargioni

PB:ld

THE CONT. IS TO HIRE THE CITY OF
NEW BEDFORD, D.P.W. TO MAKE THE
REQ'D CURB CUT & SIDE WALK RESTORATION

#WILLIS

LIGHT POST

SIDE

RE LOAM & SEED
AS REQUIRED

LOT 132

REMOVE
EXISTG TREES

TE #1 IS NOT ACCEPTED
FILL MATERIAL WILL
RED TO BLEND NEW
W/ EXISTING)

HANDICAPPED
PARKING SIGN
U.P.

A

REMOVE EX.
DRIVEWAY

B

REMOVE
EXISTG TREE

NEW 10' DR LANE

NEW C.B.
RIM=110.75
INV. OUT=103.75

HANDICAPPED
PARKING SIGN

FIRST FLOOR
ELEV.=114.52

REMOVE TREE STUMP

PAINTED STRIPES (TYP.)

REMOVE EXISTING BIT. CONC.

REMOVE
DRIVEWAY

NORTH

99.8
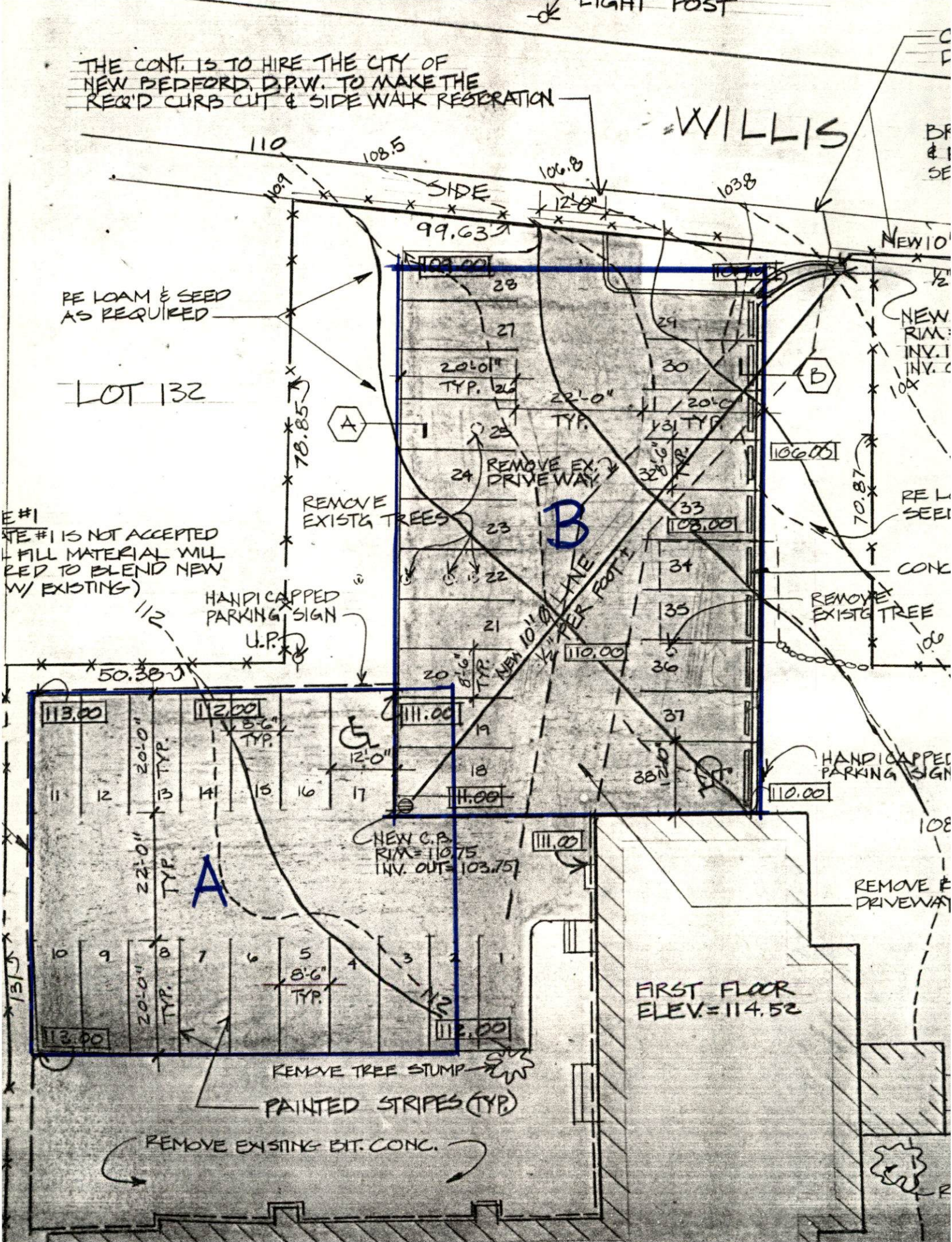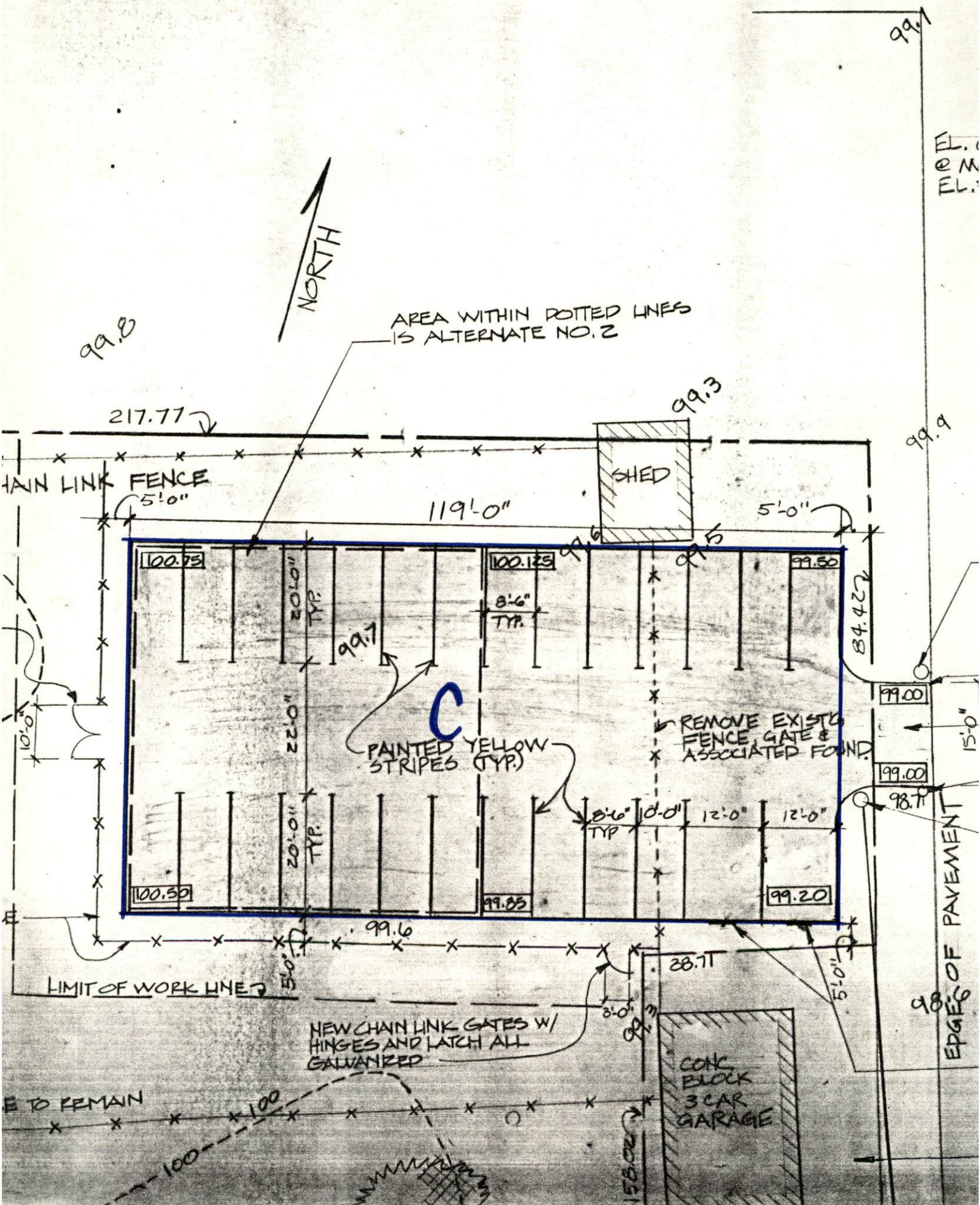
AREA WITHIN DOTTED LINES
IS ALTERNATE NO. 2

99.3

99.9

217.77

CHAIN LINK FENCE

5'-0"

119'-0"

SHED

5'-0"

99.6

99.5

100.75

20'-0" TYP.

100.125

8'-6" TYP.

99.50

99.7

20'-0" TYP.

C

PAINTED YELLOW
STRIPES (TYP.)

REMOVE EXISTG.
FENCE GATE &
ASSOCIATED FOUND.

99.00

15'-0"

99.00

98.75

100.50

20'-0" TYP.

99.85

8'-6" TYP.

10'-0"

12'-0"

12'-0"

99.20

99.6

5'-0"

5'-0"

LIMIT OF WORK LINE

10'-0"

84.477

99.1

EL. @ M...
EL.:

NEW CHAIN LINK GATES W/
HINGES AND LATCH ALL
GALVANIZED

3'-0"

88.77

99.3

158.02

CONC.
BLOCK
3 CAR
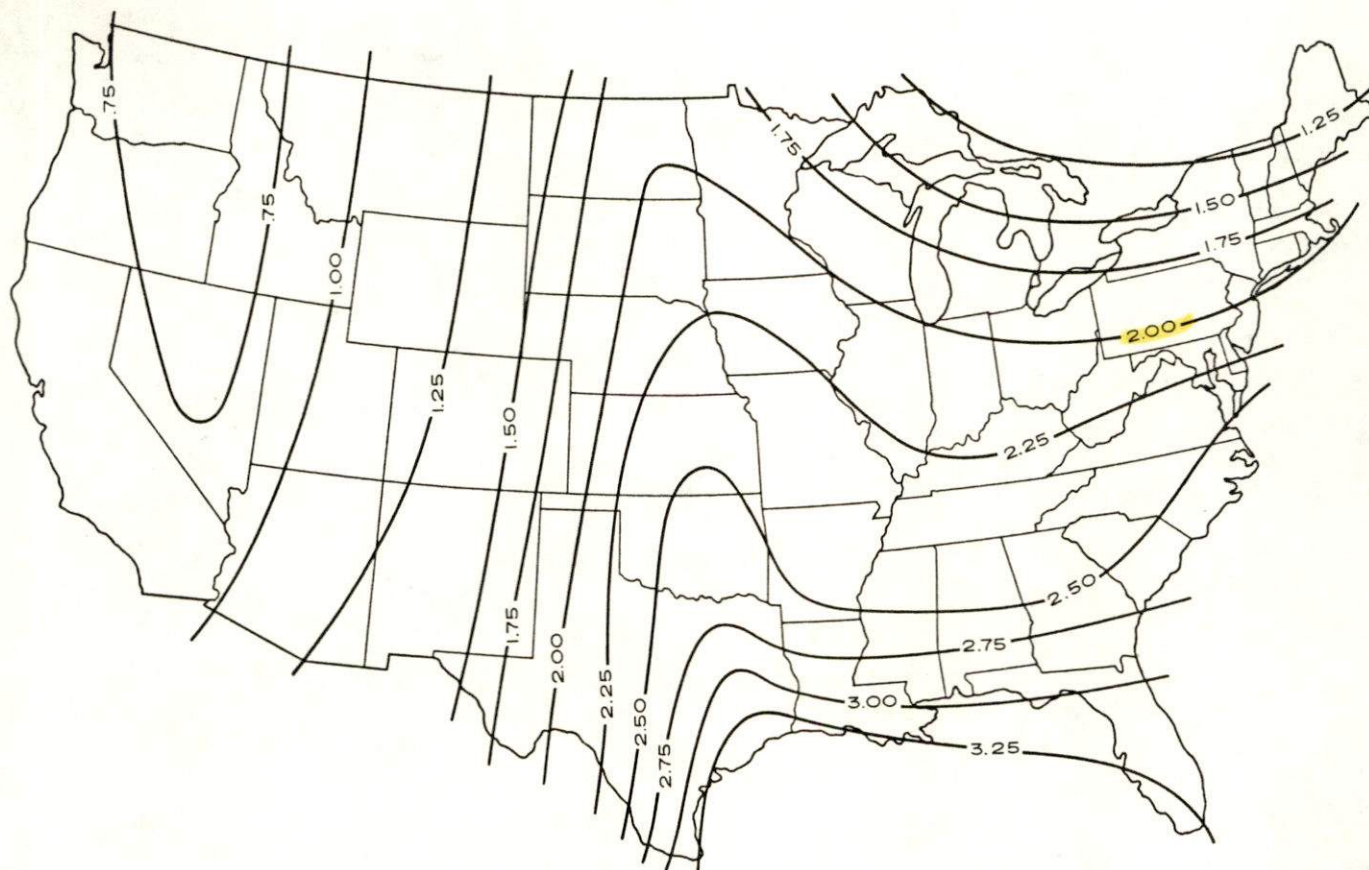GARAGE

EDGE OF PAVEMENT

98.6

E TO REMAIN

100

100

100

FIG. 7-8. Ten-year storm: one hour rainfall in inches per hour. D. L. Yarnell, "Rainfall Intensity-Frequency Data." *U. S. Dept. Agr. Misc. Publ. 204*, 1935.
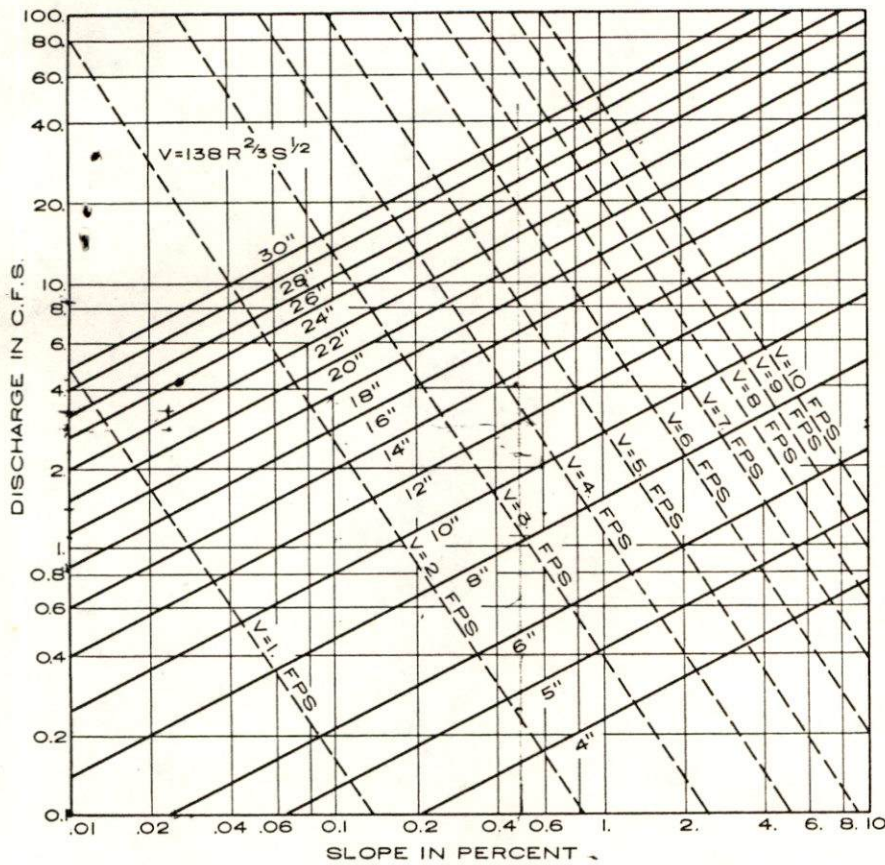
FIG. 7-5. Size of tile drain pipes. D. L. Yarnell, "The Flow of Water in Drain Tile," *U. S. Dept. Agr. Bull. 854, 1920.*

Values of C in Q = CIA

	Minimum	Optimum	Maximum
Roofs	0.90	0.95	1.00
Paving – concrete or asphalt	0.90	0.95	1.00
Macadam roads	0.70	0.80	0.90
Gravel	0.30	0.70	0.70
Unpaved streets	0.30	0.60	0.75
Cultivated land	0.30	0.60	0.82
Lawns or grass areas	0.10	0.35	0.60
Woodland	0.10	0.20	0.60
Pasture	0.10	0.16	0.60