

**CORPORATION OF THE VILLAGE OF BARNWELL  
IN THE  
PROVINCE OF ALBERTA**

**SIDEWALK/CURB AND GUTTER MANAGEMENT  
POLICY NO. 3-98**

Purpose:

To establish priorities and a system of inspection for maintenance of sidewalks/curb and gutters within the Village of Barnwell. This policy will ensure the Village of Barnwell's Sidewalk/curb and Gutter infrastructure is managed in an effective, efficient manner which mitigates potential liability claims against the Village.

**A. Inspections**

- 1) All sidewalks within the Village of Barnwell shall be normally scheduled to be inspected every 2 years on a rotating basis with an area of the Village being inspected each year. The two areas are: (see attached schedule A1 & A2)
  - a. **Area A** - Heritage Rd. N. & West of Heritage Rd. S.
  - b. **Area B** - East of Heritage Rd. S.

Frequency of inspections may be over-ridden based on the Village's available resources.

- 2) All inspections will assess the conditions of the sidewalk and curbs as outlined in Section B of this policy. The results of the inspection shall be recorded on the Concrete Field Survey form attached as Schedule "B".
- 3) All defects and hazards shall be classified on a 4 point rating system as follows:
  - a. **Satisfactory** - no effect on service (no action required)
  - b. **Minor** - serviceable, but low priority
  - c. **Moderate** - serviceable - requiring attention within the next 2 to 5 years
  - d. **Major** - requiring immediate seasonal repair
- 4) The Village does rely on the general public to assist in identifying hazards and defects.

**B. Parameters**

The Village of Barnwell will consider carrying out maintenance on Sidewalks/Curb and Gutters, subject to the following parameters:

**VILLAGE OF BARNWELL  
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1. Vertical Separations
2. Crack Width
3. Spalled Concrete
4. Multi-Directional Cracking
5. Gutter Ponding
6. Logical Limits

The criteria used for assessing and establishing these parameters will be based on:

- a) Safety and Liability
- b) Budget
- c) Drainage

When assessing the parameters for maintenance of sidewalks/curb and gutters, the following guidelines will be used:

1. Vertical Separations
  - Vertical Separations exceeding 12 mm (½ inch) are reviewed for repair or replacement.
2. Crack Width
  - Cracks 12 mm (½ inch) or under are not considered for any maintenance.
  - Cracks over 12 mm (½ inch) are assessed and the sidewalk is considered for repair or replacement
3. Spalled concrete
  - Concrete not normally replaced
  - Severe cases where spalling exceeds 50% of the sidewalk surface, concrete will be considered for repair or replacement
4. Multi-Directional Cracking
  - Multi-directional cracking is reviewed on a site specific basis
  - Repair or replacement may occur if there is vertical separation or increased possibility of concrete moving.
5. Gutter Ponding
  - Gutter ponding exceeding 75 mm (3 inches) is reviewed for repair and replacement
6. Logical limits
  - This is a somewhat subjective parameter
  - Latitude from all the other parameters is considered
  - Level of service, objectivity, cost, age and geographic areas are also factors

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C. Repairs and Maintenance

1. The Village will consider all viable options available for repair or sidewalks, curbs and gutter, including:
  - Crack sealing
  - Grinding
  - Surface treatments
  - Asphalt overlays
  - Replacement
  - Other viable technological methods
  
2. All repairs and maintenance of sidewalks, curbs and gutters are based on the Village's available financial resources.

	Date	Resolution #
Approved	Sept. 17/98	145/98
Amended		
Amended		

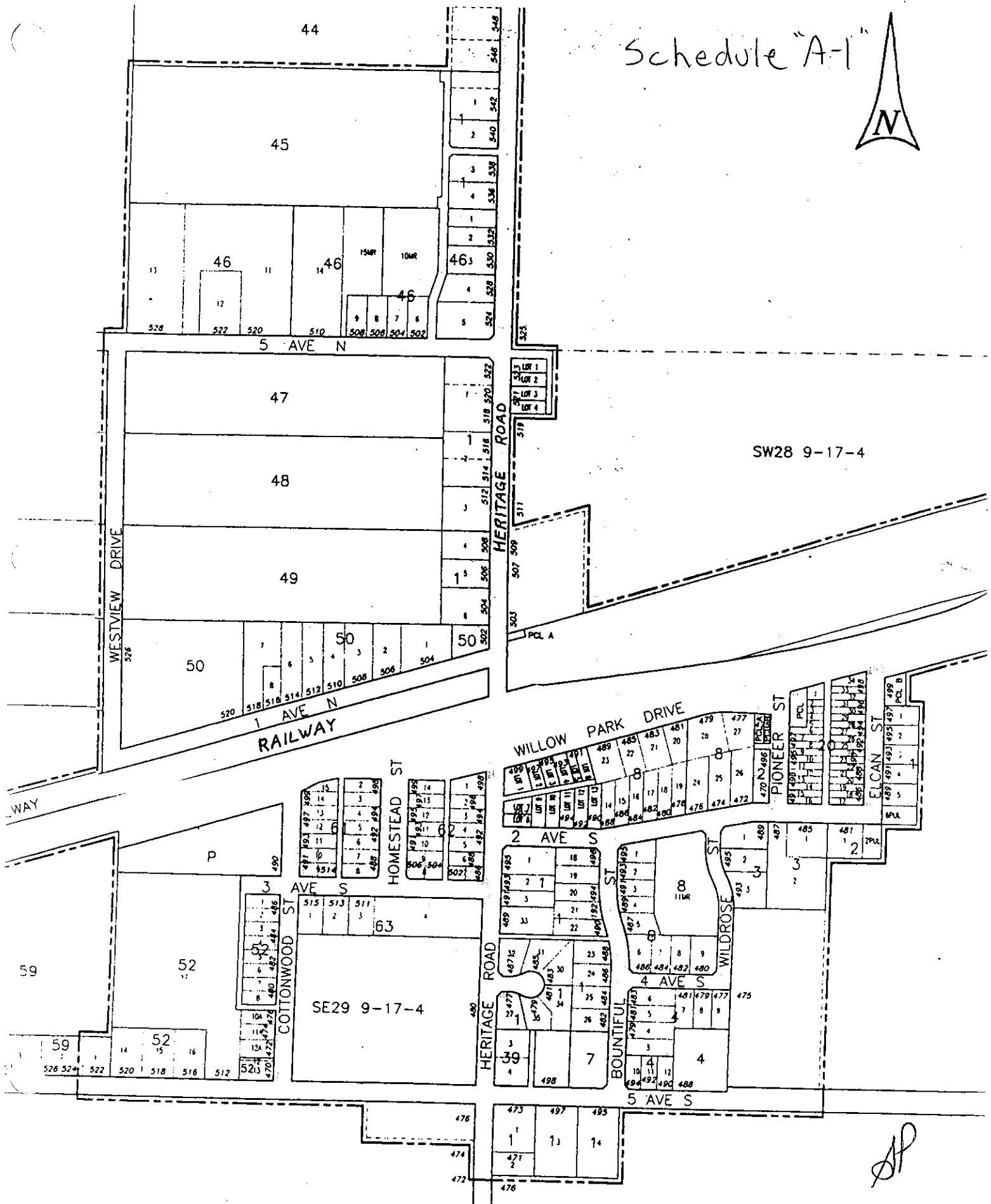
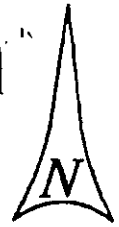
  
MAYOR

  
ADMINISTRATOR



# VILLAGE OF BARNWELL (STREET ADDRESSES)

Schedule "A-1"



**SCHEDULE A-2  
SIDEWALK INSPECTION AREAS**

**AREA A - Heritage Rd. N. and West of Heritage Road S.**

1)	Heritage Rd. N. (North Of 5 Avenue N)	West side
2)	Heritage Rd. N. (North of 1 Avenue N.)	East side
3)	Heritage R. N. ( Between 1 Ave. N. and Railroad track)	West side
4)	Heritage Rd. S	West side
5)	Willow Park Dr. (Between Heritage Rd. & Homestead St.)	South side
6)	Homestead St.	East side
7)	3 Avenue South (Between Heritage R. & Homestead St.)	North side
8)	3 Avenue South	South side
9)	Cottonwood St. (North of 3 Ave. S.)	East side
10)	Cottonwood St. (South of 3 Ave. S.)	West side

**AREA B - East of Heritage Road**

1)	Willow Park Drive (East of Heritage Rd.)	South side
2)	Pioneer St.	West side
3)	Pioneer St.	East side
4)	Elcan St.	West side
5)	Highway # 3 (old) (Between Pioneer St. & Elcan St.)	South side
6)	2 Ave. S. (Between Elcan St. & Pioneer St.)	North side
7)	2 Ave. S. (Between Pioneer St. & Heritage Rd.)	North side
8)	2 Ave. S. (Between Heritage Rd. & Bountiful St.)	South side
9)	Bountiful St.	West side
10)	Bountiful St.	East side
11)	4 Ave. S.	North side
12)	Heritage Place	Cul-de-Sac
13)	Heritage Park	all

*AP*

**VILLAGE OF BARNWELL  
CONCRETE FIELD SURVEY FORM  
SCHEDULE "B"**

STREET: \_\_\_\_\_

DATE: \_\_\_\_\_

AREA A: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

AREA B: \_\_\_\_\_

PARAMETERS	SATISFAC- TORY	MINOR	MODER- ATE	MAJOR	COMMENTS, (ADDRESS, # OF DEFFECTS ETC.)
1. VERTICAL SEPARATION					
2. CRACK WIDTH					
3. SPALLED					
4. MULTIDIRECTIONAL					
5. GUTTER PONDING					
6. LOGICAL LIMITS					

*SP*