

## **SNOW AND ICE REMOVAL POLICY**

### PLOWING AND ICE CONTROL STANDARDS

#### A: SERVICE

Road snow removal will be performed by municipal and contracted crews in accordance with this policy on municipal roads to:

- A) Clear snow and mitigate ice build-up.
- B) Ensure roads are kept passable subject to manpower, machinery and "**SNOW AND ICE REMOVAL**" budget resources.

#### B: SPECIFICATIONS

##### Performance Standard

- Plowing will be performed to endeavour to keep snow accumulations below the maximum desirable depths, set out in Section C, within the desired response time for the category of area or route.
- Loose snow and ice will be controlled while plowing to allow for traffic passage under reasonable winter driving conditions. Plowing will be undertaken to allow for traffic flow at reduced winter speeds for vehicles equipped with good winter tires.

##### Miscellaneous

- Plow speeds will be adjusted to minimize inconvenience and prevent damage to persons or property or both. Maximum 50 km/h.
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- Winter abrasives and/or de-icing chemicals will be applied to increase traction and safety for traffic travelling at appropriate safe winter speeds.
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- Reasonable efforts will be made to minimize damage to roadways or private property. The District of North Cowichan will be responsible for repairing any damage to roadways caused during plowing operations within a reasonable time period when weather permits. Private driveways will not be plowed, nor will routine windrows of snow be removed from driveway accesses.
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- Cul-de-sac roads plowing will be restricted to a straight-in, straight-out path.
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- Alleys and lanes will not be plowed.
- Paved walkways as specified in Appendix 2 will be widened and plowed, or compacted snow will be treated within 48 hours of completion of normal plowing operations, as per scheduling set out in Part (C) herein, except on Saturdays, Sundays, or Statutory Holidays.

C: SCHEDULING

It is the goal of the District to have plowed the surface of all municipal roads within 48 hours of the end of the last measurable snowfall, subject to manpower, equipment, weather, and budget availability.

Roads which are listed on the Priority Route (as set out in Appendix 1) will have plowing started when snow depths have reached 7.5 cm; return plowing will begin when total accumulations have reached 15 cm.. On all other routes, crews will be alerted and available equipment deployed when snow depths exceed 15 cm.

Roads which are determined by Operations staff to be hazardous to either plowing or sanding equipment, or staff or contracted employees, will not be plowed until safety is ensured.

D: RESOURCES AVAILABILITY

From November 15 until March 15, between the hours of 00:30 to 08:30, the District will have one or more employee(s) assigned to a night shift road patrol for snow and ice conditions. Patrolling required outside of the night shift hours, or before November 15 and after March 15 ,will be arranged, subject to Di, Dii and Diii, by a Duty Foreman upon receipt of a request for service or notification of hazardous conditions. He/she will contact available employees willing to work extra hours, and patrolling will take place on the priority routes; other roads will follow thereafter.

Manpower availability:

- < Available manpower will be restricted to those employees trained for plowing and ice control and who may be available within the confines of the Collective Agreement; and to two contract grader operators as available.
- < Should all scheduled "Night Sander Operators" be unavailable for reasons of sickness or scheduled days off, the District will, upon receipt of a request for service, or notification of hazardous conditions by the RCMP or the public, call out an operator to respond.

i) Compacted snow on pavement:

The maximum desirable period of time from the end of an accumulation of 7.5 cm of snow until plowing on roads with compacted snow will be as follows, except for Statutory Holidays:

Priority routes:	8 hours
Other paved roads:	24 hours
Gravel roads:	48 hours

ii) Ice on pavement:

The maximum desirable period of time after icy road conditions appear until application of abrasives or de-icing chemical will be as follows, except for Statutory Holidays:

Priority routes: 8 hours

Other paved roads: 24 hours

Gravel roads: 48 hours

iii) Sidewalks:

All sidewalks fronting municipal property as set out in Appendix 3 herein will be plowed within 48 hours following the end of an accumulation of 7.5 cm of snow.

(Subject to Bylaw 2261)

iv) Paths, Trails and other walkways

No paths, trails, unpaved walkways or stairs leading in, through, around, or across any parkland or other municipal property will be plowed or otherwise treated for snow and ice accumulation, except for the Municipal Hall, Fuller Lake Arena, Cowichan Aquatic Center, the Municipal Fire Halls, and the R.C.M.P. police station.

## **PRIORITY ROUTE ROADS**

### **Route 1**

Somenos Road (south from Hiway 18 to Sherman); turn left

Sherman Road (down, **RCMP parking lot**)

then up Philip, up Islay; continue to:

Cowichan Lake Rd: head towards Berkey's corner; turn left

Cowichan Lake Rd from Berkey's corner to Hiway 18 (including Tansor Rd)

turn around, return to

Berkey's corner, right onto Cowichan Lake Rd; then south to

Gibbins Road to Menzies, Menzies to Cowichan Lake Road, then turn right to

Tansor Rd intersection, turn around, head back out Cowichan Lake Rd to the boundary, turn around

Cowichan Lake Road (from boundary to Menzies; turn right)

Menzies and Gibbins, turn right at bottom; go to

Islay, Phillip, Canada Ave and Sherman back to Somenos

Down Drinkwater, left on TCH (deadhead); right on Norcross, right on Bell McKinnon, up Drinkwater

Somenos Road from Drinkwater to Highway 18 ; turn around, return to Drinkwater, turn left, widen and (*cross Highway to Bell McKinnon if going to route 3*)

### **Route 3**

Chemainus Road from Pinson's corner to

Henry Road (To TCH, then back to Chemainus Rd., turn left)

Chemainus Rd. To Victoria Rd ("Old"), turn left

Victoria Road ("Old") to boundary, return to

Channel Boulevard (to Sunset Drive, turn around)

Victoria Rd. ("Old") To Chemainus Rd.

Oak Street to Esplanade, to Cedar, Seaview, Severne , right turn onto

Pine Street to Chemainus Rd., turn around, return

Pine Street, then turn right to Esplanade, turn right onto Oak

Oak Street to Chemainus Rd., turn right onto

Chemainus Road to boundary, turn around

Chemainus Road to Victoria Street, turn left

Victoria and Croft Street, across Oak to Esplanade

Esplanade to Cedar, turn around, return on

Esplanade to Croft, and Victoria Street, turn left

Chemainus Road, turn right on

River Road to TCH

Panorama Ridge subdivision

River Road back to Chemainus Road, turn right (CHECK HENRY RD ON WAY BY)

Crozier Road, Cottonwood Road, Fuller Lake Road, turn around, head south on Chemainus Road to Pinson's corner

**Priority Routes:**

**Route 2**

Beverly Street (from Canada Ave) to Lakes Road  
 Lakes Road to Herd, turn around, return to  
 Roome Road  
 Lakes Road to City Boundary, then proceed to  
 Maple Bay Road from Queen of Angels to Beaumont, turn around  
 Maple Bay Road to Herd, turn right  
 Herd Road to Drummond, turn right; turn around and return up Drummond, turn right  
 Herd Road to TCH, turn around  
 Herd Road to Maple Bay Road; Maple Bay Road back to Queen of Angels; Lakes from boundary to  
 Beverly St; Beverly St to Canada Ave.

**Route 4**

Osborne Bay Road/York Ave from Herd to Chaplin Street  
 Robert Street to firehall from York both ways  
 Hay Road to pulpmill entrance both ways  
 McDonald Road to gate both ways, return to  
 York Road/Osborne Bay Road, turn around, return to  
 Chilco Road to Georgia Park Place, return to  
 Adelaide Street (to Queen Street), turn left  
 Queen Street to Chaplin Street, turn around  
 Queen Street to Adelaide Street, turn right  
 Adelaide Street to York, proceed to  
 Joan Avenue both ways

Appendix 2

Paved Walkways - 2008 (Dec 19)							
No.	Street	Start	Finish	Walkways on one or both sides of the road shown	Walkway by a School ? ?	Fronts DNC land	Area
1	Chemainus Road	Dogwood Road	Hawthorne St	both	parts		CHEM
2	Chemainus Road	Halhed (s of)	Hastings	one	parts		CHEM
3	Chemainus Road	Hastings	Bridge	both			CHEM
4	Victoria Road	Channel Blvd	Boundary n. of View St	one	part		CHEM
5	Alder Street	Willow St	Cedar Street	one			CHEM
6	Elm Street	Chemainus Road	Ball Park	one	yes	y	CHEM
7	Cypress Street	Chemainus Road	Willow Street	one		y	CHEM
8	Garner Street	School	Cook St	one	yes		CHEM
9	Douglas Street	Victoria Rd	Tracks	one	near		CHEM
10	Daniel Street	Pine Street	Elliott Street	one	yes		CHEM
11	Elliott Street	School	Beach Drive	one	yes		CHEM
12	Henry Road	Chemainus Road	Trans Canada Highway	one			CHEM
13	Fuller Lake Road	Cottonwood Road	Trans Canada Highway	one		y	CHEM

14	Cottonwood Road	Crozier Road	Fuller Lake Road	one			CHEM
15	Crozier Road	Chemainus Road	Cottonwood Avenue	one			CHEM
16	Hay Road	Crofton Road	Catalyst Mill	one			CROF
17	Cecil Street	Crofton Road	Trailer Park	one			CROF
18	Queen Street	Chaplin St	Joan Avenue	one			CROF
19	Edmund Street	Chaplin St	Robert Street	one	near		CROF
20	Coronation Street	York Road	Edmund Street	one	near		CROF
21	Osborne Bay Road	Adelaide Street	Tatlo	one			CROF
22	Osborne Bay Road	Tatlo	Herd	both			CROF
23	Herd Road	Maple Bay Rd	Herd Bridge	both			SE
24	Herd Road	Bridge	Trans Canada Highway	none			SE
25	Genoa Bay Road	Maple Bay Road	Marine Crescent (+)	one			MBay
26	Beaumont Avenue	Drummond Avenue	Arbutus Avenue	one			MBay
27	Maple Bay Road	Drummond Avenue	Osprey	both	part		MBay
	Maple Bay Road	Osprey	Tzouhalem Road				
28	McKenzie Drive	Donnay Drive	Nevilane Drive	both	near		MBay
29	McKenzie Drive	Donnay Drive	Maple Bay Road	one	near		MBay
30	Lakes Road	Herd Road	Stamps	both			SE
31	Lakes Road	Woodland	City Boundary	both	near		SE
32	Calais Road	Wicks Road	Lakes Road	one			SE
33	Wicks Road	Lakes Road	Calais Road	one			SE
34	Inverarity Road	Meadow Park Road	Wicks Road	one			SE
35	Roome Road	Lakes Road	Tulare Drive	one	yes		SE
	Meadow Park Road	Roome Road	Inverarity Road	one	near		SE
37	Clements Street	James Street	Fair Grounds	one			SE
38	Mary Street	Sherman Road	Philip Street	one			SE
39	Philip Street	Canada Avenue	Mary Street	one			SE
40	George Street	Mary Street	Truesdale Street	one			SE
41	Drinkwater Road	Somenos Road	WalMart west driveway	one	near		SE
42	Auchinachie Road	North Road	Somenos Road	one	parts		SE
43	Lane Road	"S" Bend	Drinkwater Road	one	yes		SE
	Cowichan Lake Road	Sherman Road	Cowichan Lake Rd (@ Tansor)	both	near		SE
45	Cowichan Lake Road	Tansor Road	Valley boundary	none			SE
46	Cowichan Lake Road	Hospital rear access	Sherman Road	bike lane			SE
47	Tansor Road	Cowichan Lake Road	Highway 18	both			SE
48	Gibbins Road	Carmel	Menzies Road	one			SE
49	Vimy Road	Gibbins Rd	Scarpe Rd	one			SE
50	Somenos Road	Auchinachie	Drinkwater Road	one	near		SE
	Boys Road	Trans Canada Highway	Mission Road	one			SE
52	Bell McKinnon Road	Westholme Road	Trans Canada Highway	one			SE
53	Sprott Road	Public Works Yard	Trans Canada Highway	one	near		SE

## Appendix 3

### **CHEMAINUS:**

- 1) Chemainus Rd. in front of Gerry Smith Park as far north as McBride's south property line
- 2) Chemainus Rd. in front of the tourist bureau opposite Mill Street
- 3) Mill St. in front of Heritage Park
- 4) Chemainus Rd. in front of Heritage Park (@ Mill Street)
- 5) Chemainus Rd. and Pine Street in front of Fire/Police/Ambulance
- 6) Chemainus Rd in front of Askew Park
- 7) Willow Street in front of the Tourist info by Cypress St and old Chemainus Firehall
- 8) Alder Street: all of south side below Waterwheel Park
- 9) Croft Street: all of west side from Alder to Mill Street
- 10) Mill Street around to Waterwheel Crescent on north side
- 11) Otter St (in front of park property) (in Vista Grande estates off of Cook St)

### **CROFTON:**

- 12) In front of park on Queen Street
- 13) End of Joan Avenue in front of the Museum

### **SOUTH END:**

- 14) Beverly Street in front of the sewer plant at Lakes Road; cross the Lakes Road bridge and complete to 5928 Lakes Rd driveway
- 15) Beverly Street, south side, in front of Sportsplex parking area to Lakes Rd
- 16) Somenos Creek footbridge and walkway
- 17) Beverly Street (opposite entrance to Thrifty's Foods from Canada Ave to Oil Check property)
- 18) Chesterfield Sportsplex frontage sidewalk
- 19) Duncan Street in front of North Cowichan fire hall
- 20) James Street in front of the Aquatic Center
- 21) Alderlea Street in front of Kinsmen Park
- 22) Canada Avenue in front of Berkeley Street sewer pump station
- 23) Canada Avenue in front of the RCMP building

- 24) Sherman Road in front of the soccer fields
  - 25) Quailview Rd (off Fairview Way) in front of park entrance
  - 26) Palahi Rd (new section in Herons Wood) by traffic bulb in front of park
  - 27) Somenos Road (from Sherman, to first driveway past soccer field, east side of Somenos)
  - 28) Cowichan Lake Road (pedestrian accesses on Dodds bridge )
  - 29) Cowichan Lake Rd n.w. of Agira Rd (100 m)
  - 30) Manor Drive (Stonehaven Estates) in front of park
  - 31) Maple Bay Road at entrance to the Properties, and up to Donnay Drive
  - 32) Donnay Drive from Kingsview Road to the School parking lot
  - 33) Donnay Drive from Stonehouse Way to Everest Way
  - 34) Kingsview Rd beside park and tennis courts
- Algonkin Rd @ corner near Crestwood in front of ravine