



North Shore CAD and RMS Implementation Project

Landscape

North Vancouver City	44,914	11.95 Square Miles
North Vancouver District	85,741	160.47 Square Miles
West Vancouver District	42,418	87.43 Square Miles
Bowen Island	2,957	49.94 Square Miles
Lions Bay	1,497	2.55 Square Miles

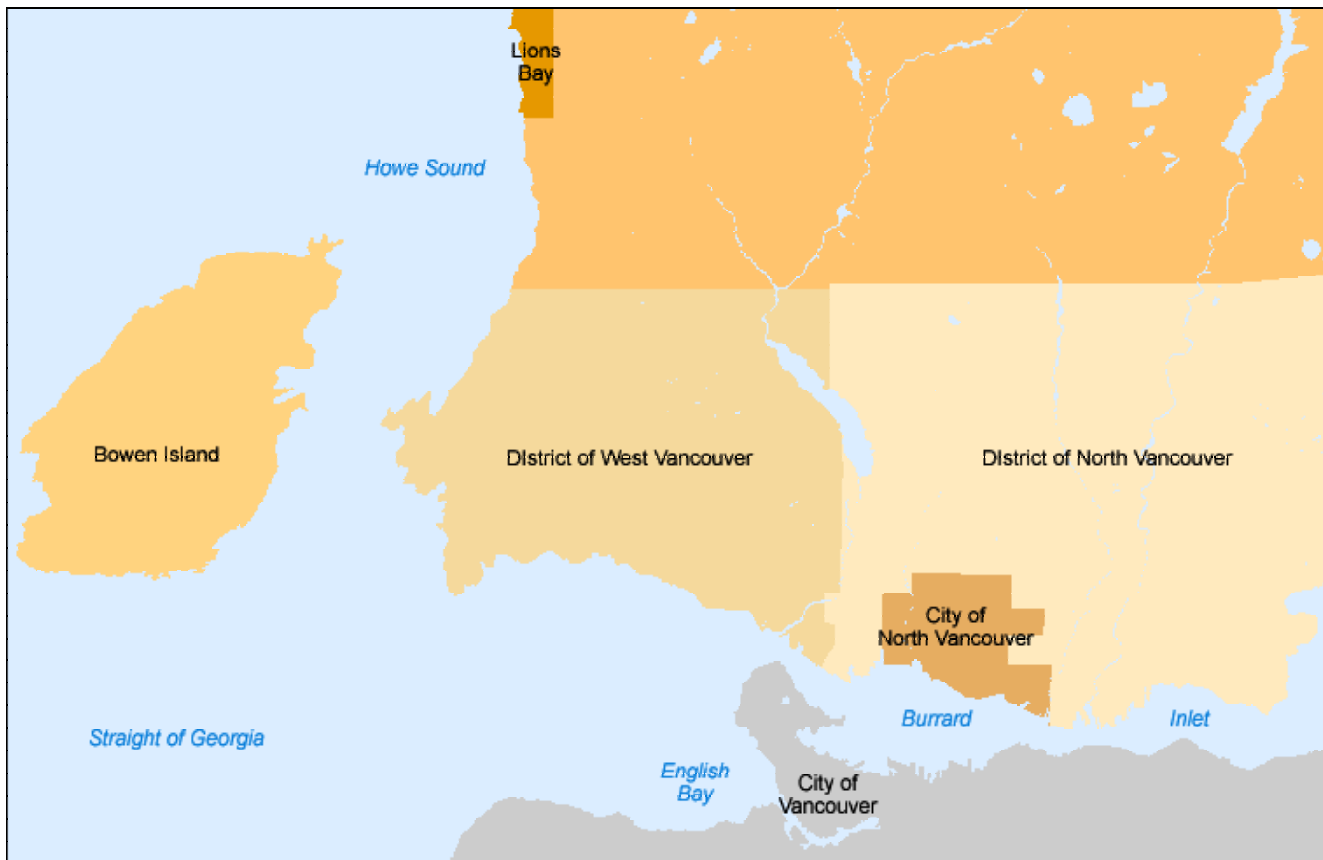
Fire Departments

Municipality	Fire Stations	Personnel
North Vancouver City	1	61
North Vancouver District	5	142
West Vancouver District	4	97

History

- Prior to 1993 each municipality did its own dispatching
- City and District were using GEAC
- August 1993 North Shore Dispatch Center
 - Management Group (Fire Chiefs)
 - Operations Group

North Shore



North Shore Combined CAD and Records Management Project

Benefits

- Cost savings – 1/3 per municipality
 - DNV, CNV, & DWV
- Closer cooperation between Departments
 - Fire Departments, ITS, & GIS
- Independent of E-Comm
- Identify and track incidents/emergencies across borders

Process

- Identify Implementation Team
- Select Process - CNV
- Select System Vendor – FDM Software
- Identify Information Sources
 - Source of GIS Data (GIS Innovations)
 - Legacy Data (GEAC)

FDM Software

- Provided a Regional Solution
- Provided an Integrated Solution
- Provided a Flexible, User Definable Solution
- 13 years experience in BC and North America
- Provided an GIS Based Solution

Risks

- Multiple Municipal Jurisdictions
 - Global vs Regional
- Lack of a single GIS coverage
 - CNV – ArcInfo by ESRI
 - DNV – ArcInfo by ESRI
 - DWV – AutoDesk products
- Antiquated Network Infrastructure
- Agreement on Process

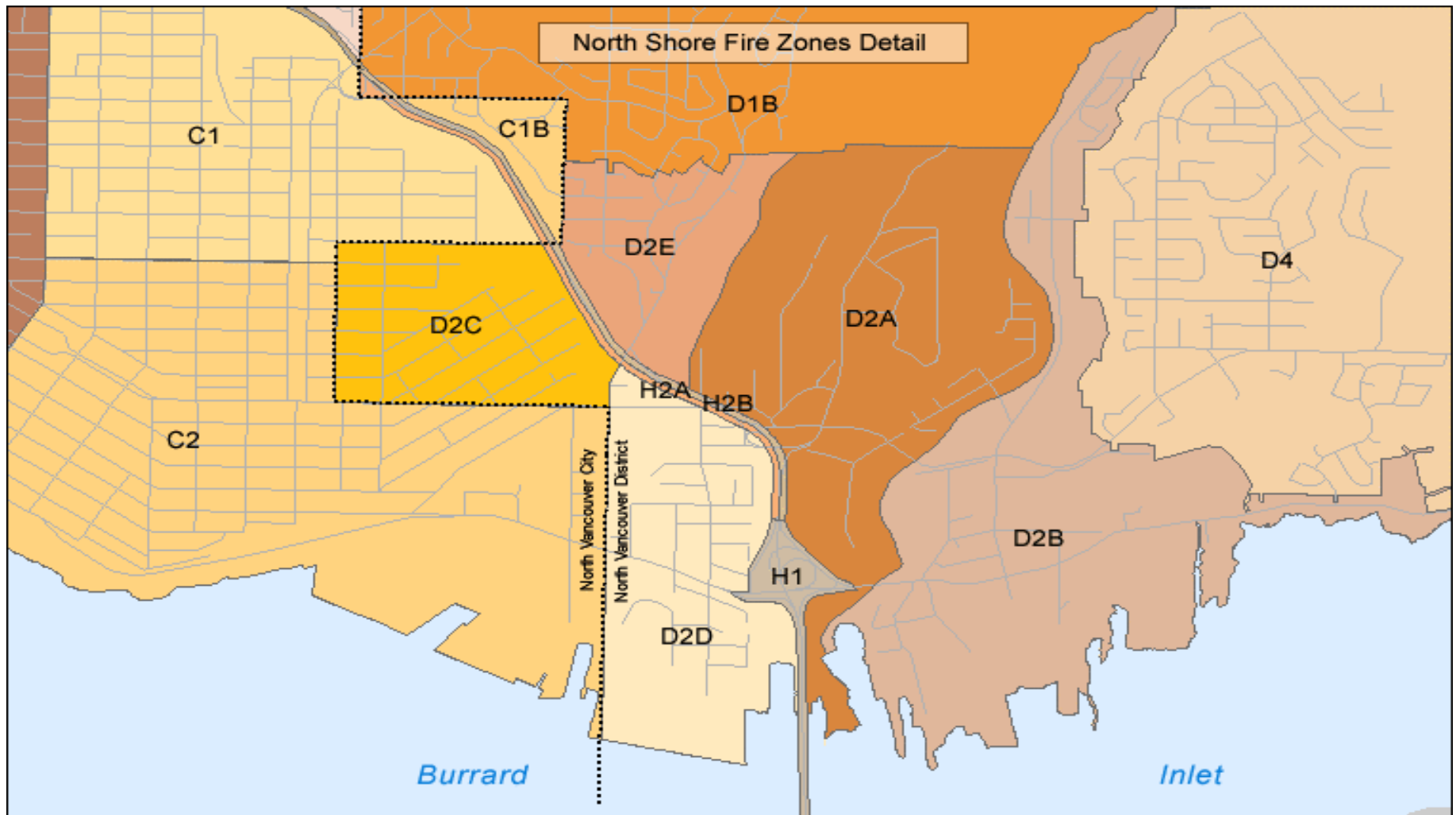
Map of the North Shore

- Map illustrating how the centerline from GIS innovations was used to bring the separate systems together and add Lions Bay and Bowen Island

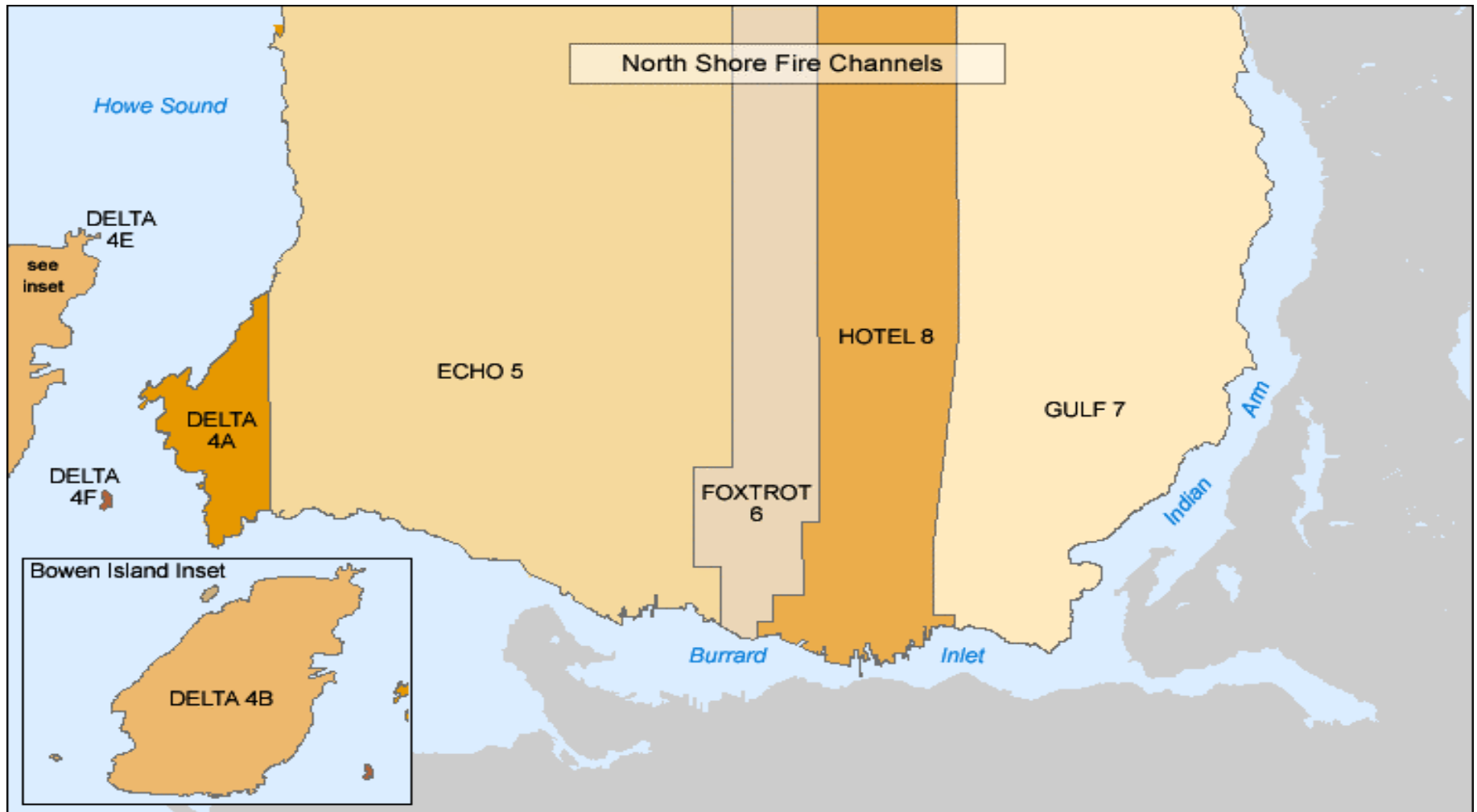
Fire Zones



Fire Zones - Detail



Tactical Channels



Address Detail



Future Map Layers

- Map Grids (in progress)
- Parcels
- Hydrants
- Parks
- Pre-Fire Plans
- Aerial Photography overlay

Solutions

- Purchased GIS Centerline coverage
 - Municipal and Private Sector partnership
- Identified an Implementation Team and Manager
- Expanded and rebuilt the Network Infrastructure

Implementation

- Created a needs analysis
- Identified what each Municipality was to do
- Set time lines – January to August, 2002
- DNV GIS assumed responsibility for GIS data

Go Live

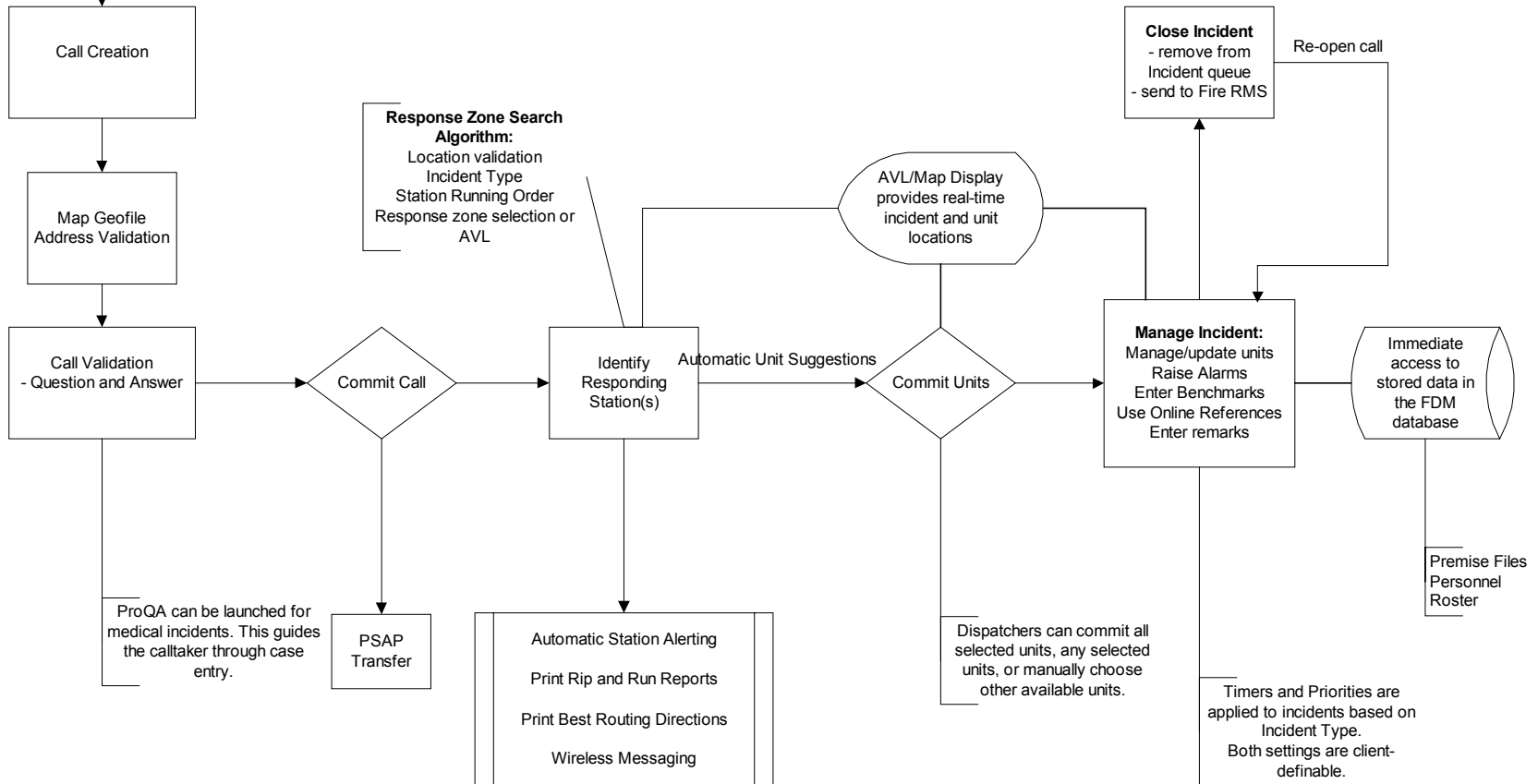
- During the same time period that the CAD project was being implemented, the CNV Fire Department had undertaken a seismic upgrading project to the Fire Station.
- FDM CAD went live on August 30, 2002 at 2100 hours.

Call Process

- Call input - 911
- Validate location on GIS - MSAG
- Assign resources based on Location and Incident Type
- Manage the Incident
- Transfer Incident information to RMS

CAD Call Flow Process

Calls are received in the following ways:
 - ANI/ALI Spill
 - Manual Initiation
 - Scheduled Calls



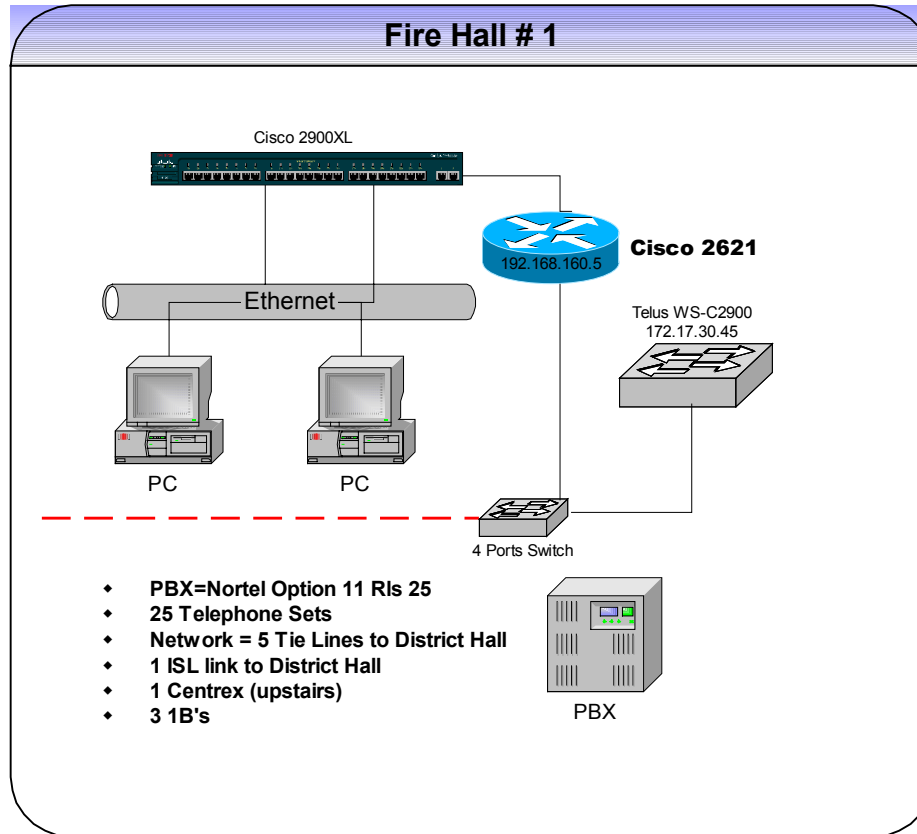
The Next Phase

- Mobile Radio
- Status Screens
- AVL
- Interface to RCMP CAD System
- Interface to ECOMM CAD System

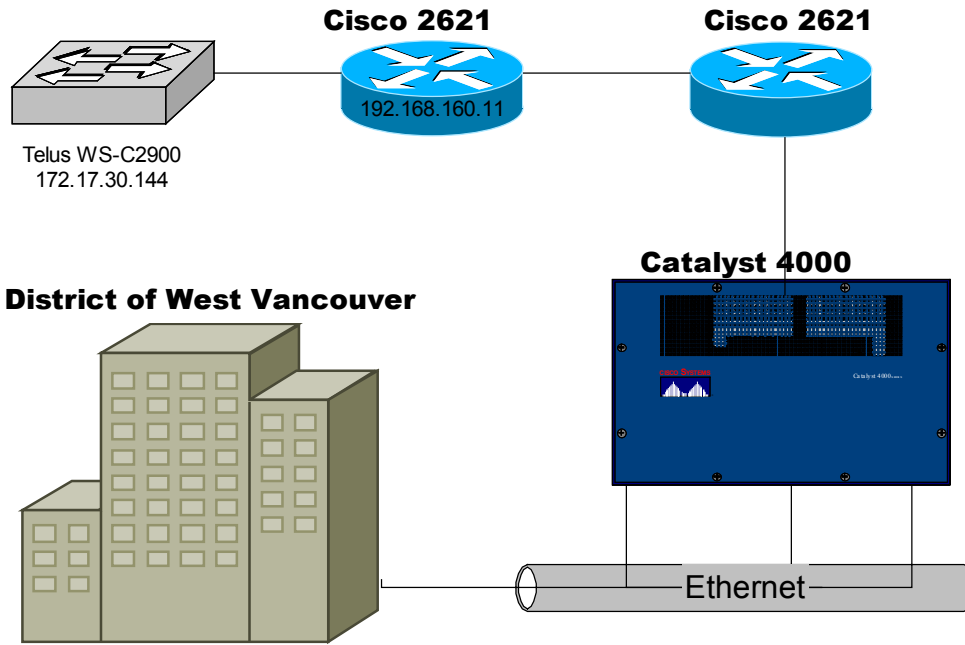
The background features a series of concentric, overlapping circles in shades of gray, creating a ripple effect. Several semi-transparent rectangular shapes are layered over the circles, some overlapping each other. The overall aesthetic is clean and modern.

100 MB
MuniLink

Fire Hall # 1



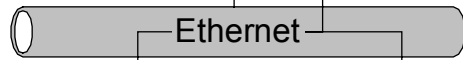
District of West Vancouver



Fire Hall # 3



1 Centrex



Ethernet



PC

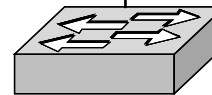


PC

Cisco 2621



192.168.160.4



Telus WS-C2900
172.17.30.15

