



Public Works and
Government Services
Canada

Travaux publics et
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Canada

DRAWING LIST

**SEWAGE TREATMENT UPGRADES
SPRINGHILL INSTITUTION
SPRINGHILL N.S.
CUMBERLAND COUNTY
NOVA SCOTIA
PROJECT NO. R.061876.001**

CIVIL

- C01 LOCATION PLAN / GENERAL NOTES
- C02 WASTEWATER TREATMENT FACILITY EXISTING CONDITIONS AND REMOVALS PLAN
- C03 CONSTRUCTION AND DECOMMISSIONING SEQUENCE
- C04 OVERALL SITE PLAN IMPERVIOUS LINER, SECURITY FENCE AND LAYOUT PLAN
- C05 OVERALL SITE PLAN, SANITARY SEWER AND SUB-DRAINAGE PIPE LAYOUT
- C06 AERATION SYSTEM LAYOUT
- C07 LAGOON NORTH SITE GRADING & EROSION CONTROL PLAN
- C08 LAGOON SOUTH SITE GRADING & EROSION CONTROL PLAN
- C09 SANITARY SEWER PLAN & PROFILE SAMH 01 TO 05 SAMH 02 TO 06
- C10 SANITARY SEWER PLAN & PROFILE SAMH 07 TO 05 SAMH 10 TO 15
- C11 SANITARY SEWER PLAN & PROFILE SAMH 08 TO 05 MAIN DIKE
- C12 SANITARY SEWER PLAN & PROFILE SAMH 11 TO 13 SAMH 13 TO 16
- C13 CROSS SECTION A & B
- C14 CROSS SECTION C & D
- C15 CROSS SECTION E & F
- C16 PIPING AND BAR SCREEN AT SPRINGHILL INSTITUTION PLAN AND PROFILE
- C17 AERATION SYSTEM DETAILS
- C18 LINER AND BAFFLE CURTAIN WALL TYPICAL INSTALLATION DETAILS
- C19 MISCELLANEOUS DETAILS
- C20 MANUAL BY-PASS AND METERING CHAMBER DETAILS
- C21 SECURITY CHAMBER DETAILS
- C22 MANHOLE DETAILS
- C23 SANITARY STOP LOG MANHOLE DETAILS
- C24 LAGOON LEVEL CONTROL SAMH REINFORCED CONCRETE WALL DETAILS & SAMH-5 DETAIL
- C25 SAMH-6 & SAMH-9 MANHOLE DETAILS
- C26 SAMH-10 & SAMH-12 MANHOLE DETAILS
- C27 SAMH-3 MANHOLE & MISC DETAILS

STRUCTURAL

- S01 TREATMENT BUILDING FOUNDATION PLAN, SECTIONS AND DETAILS
- S02 TREATMENT BUILDING UV ROOM FOUNDATION PLAN, SECTIONS AND DETAILS
- S03 TREATMENT BUILDING HEADWORKS ROOM FOUNDATION PLAN, SECTIONS AND DETAILS
- S04 TREATMENT BUILDING MISCELLANEOUS DETAILS
- S05 TREATMENT BUILDING ROOF FRAMING PLAN AND EXTERIOR WALL ELEVATIONS
- S06 TREATMENT BUILDING MASONRY WALL SECTIONS AND DETAILS

MECHANICAL

- M01 HEADWORKS CHANNEL PLAN AND SECTION
- M02 UV ROOM PLAN AND SECTION
- M03 SANITARY AND DOMESTIC PLUMBING LAYOUT
- M04 PLUMBING DETAILS & SCHEDULES
- M05 FLOOR PLAN SCHEDULES, & DETAILS VENTILATION
- M06 MECHANICAL FLOOR PLAN & BLOWER SECTIONS

ELECTRICAL

- E01 ELECTRICAL EXISTING SITE PLANS
- E02 ELECTRICAL SITE PLAN
- E03 ELECTRICAL SITE DETAILS
- E04 ELECTRICAL SITE DETAILS
- E05 ELECTRICAL SINGLE LINE, POWER LAYOUT & HEATER SCHEDULE
- E06 ELECTRICAL LIGHTING LAYOUT AND SCHEDULE
- E07 ELECTRICAL - COMMUNICATIONS LAYOUT
- E08 ELECTRICAL CONTROLS LAYOUT & NETWORK LAYOUT
- E09 ELECTRICAL STATION CONTROL PANEL LAYOUT AND I/O WIRING
- E10 ELECTRICAL I/O WIRING
- E11 ELECTRICAL I/O WIRING
- E12 ELECTRICAL I/O WIRING
- E13 ELECTRICAL SINGLE LINE DIAGRAM

INSTRUMENTATION

- I01 P & ID

ARCHITECTURAL

- A01 ARCHITECTURAL FLOOR PLAN
- A02 ARCHITECTURAL ROOF PLAN AND CEILING PLAN
- A03 BUILDING ELEVATIONS AND PERSPECTIVE
- A04 BUILDING ELEVATIONS AND PERSPECTIVE
- A05 SECTIONS AND LOUVER ELEVATIONS
- A06 DETAILS
- A07 ASSEMBLIES AND DETAILS
- A08 WINDOW, DOOR AND INTERIOR ELEVATIONS

BUILDING CODE DATA MATRIX		NBC 2015 REFERENCE	
1	Project Description: Waste Water Treatment Facility Springhill Institution, Springhill NS	<input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input type="checkbox"/> Change in Use	<input checked="" type="checkbox"/> Part 3 <input type="checkbox"/> Part 9
2	Major Occupancies(a) Group F, Division 3 (Low Hazard, Industrial)		3.2.2.85
3	Building Area (m ²) Existing 0 New 403 m² Total 403 m²		3.2.2.5.
4	Gross Area (m ²) Existing 0 New 403 m² Total 403 m²		3.2.2.5.
5	Number of Storeys Above Grade 1 Below Grade 1		3.2.2.5.
6	Height of Building (m) 1 Storey		3.2.2.5.
7	Number of Streets/Access Routes 1		3.2.2.10.
8	Building Classification Group F, Division 3 (Low Hazard, Industrial)		3.2.2.85.
9	Existing Building <input type="checkbox"/> sprinklered <input type="checkbox"/> not sprinklered		
10	Sprinkler System Proposed <input type="checkbox"/> entire building <input type="checkbox"/> basement only <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> phased		3.2.2.85.
11	Standpipe required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.5.8.
12	Fire Alarm required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.4.1.
13	Water Service/Adequate Supply <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.2.5.7.
14	High Building <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.6.1.
15	Construction <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Non-combustible <input type="checkbox"/> Both		3.2.2.50.
16	Mezzanine(s) Area (m ²)		3.2.1.1.
17	Total Occupant Load 2 persons Based on <input type="checkbox"/> m ² /person <input checked="" type="checkbox"/> design of building		3.1.17.1.
18	Barrier-free Design <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.8.
19	Hazardous Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.3.6.1.
20	Required Fire Resistance Rating (FRR)	Horizontal Assemblies FRR (Hours) Floors Non-Rated Hours Roof Non-Rated Hours Mezzanine Non-Rated Hours FRR of Supporting Members To be Confirmed Floors Non-Rated Hours Roof Non-Rated Hours Mezzanine (P.H.) 45 min. Hours Walls 45 min. Hours FRR of Non-Supporting Members D 2.1.1: 1HR F.R. Walls (Interior) D 2.1.1: 1HR F.R. Electrical Rooms - 1h Blower Room - 1h	Listed Design No. or Description
21	Maximum Area of Glazing for Closures and FS (m ²) Wired Glass in Door <input type="checkbox"/> Glass Block/Wired Glass (not in a door)		DOOR LISTING AND 3.1.8.16.
22	Spatial Separation - Construction of Exterior Walls		
	East	Area of EWP (m ²)	L.O. (h)
	North		
	South		
	East		
	West		

