



Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
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

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

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

Item	BUILDING CODE DATA MATRIX					NBC 2015 REFERENCE		
1	Project Description: Waste Water Treatment Facility Springhill Institution, Springhill Ns <div><input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input type="checkbox"/> Change in Use</div>					<input checked="" type="checkbox"/> Part 3	<input type="checkbox"/> Part 9	
2	Major Occupancies(s) Group F, Division 3 (Low Hazard, Industrial)					3.2.2.85		
3	Building Area (m <sup>2</sup> ) Existing 0 New 403 m <sup>2</sup> Total 403 m <sup>2</sup>					3.2.2.5.		
4	Gross Area (m <sup>2</sup> ) Existing 0 New 403 m <sup>2</sup> Total 403 m <sup>2</sup>					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					3.2.2.83.		
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 <sup>2</sup> )					3.2.1.1.		
17	Total Occupant Load 2 persons Based on <input type="checkbox"/> m <sup>2</sup> /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)		Listed Design No. or Description				
		Floors	Non-Rated Hours					
		Roof	Non-Rated Hours					
		Mezzanine	Hours					
		FRR of Supporting Members		Listed Design No. or Description				
		Floors	Non-Rated Hours	To be Confirmed				
		Roof	Non-Rated Hours	To be Confirmed				
		Mezzanine (F.H.)	Hours					
		Walls	45 min. Hours	D 2.1.1: 1HR F.R.				
		FRR of Non Supporting Members		Listed Design No. or Description				
		Walls (interior)	Hours					
		Electrical Rooms - 1h Blower Room - 1h	D 2.1.1: 1HR F.R.					
21	Maximum Area of Glazing for Closures and FS (m <sup>2</sup> ) 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							
Wall	Area of EBP (m <sup>2</sup> )	L/H or L/V (m)	Permitted Max. % of Openings	Proposed FRR (Hours)	Listed Design No. or Description	Non-Comb. Separation	Combustible Construction Non-combustible Cladding	Non-Comb. Separation
North	---	---	---	---	---	---	---	---
South	---	---	---	---	---	---	---	---
East	---	---	---	---	---	---	---	---
West	---	---	---	---	---	---	---	---

