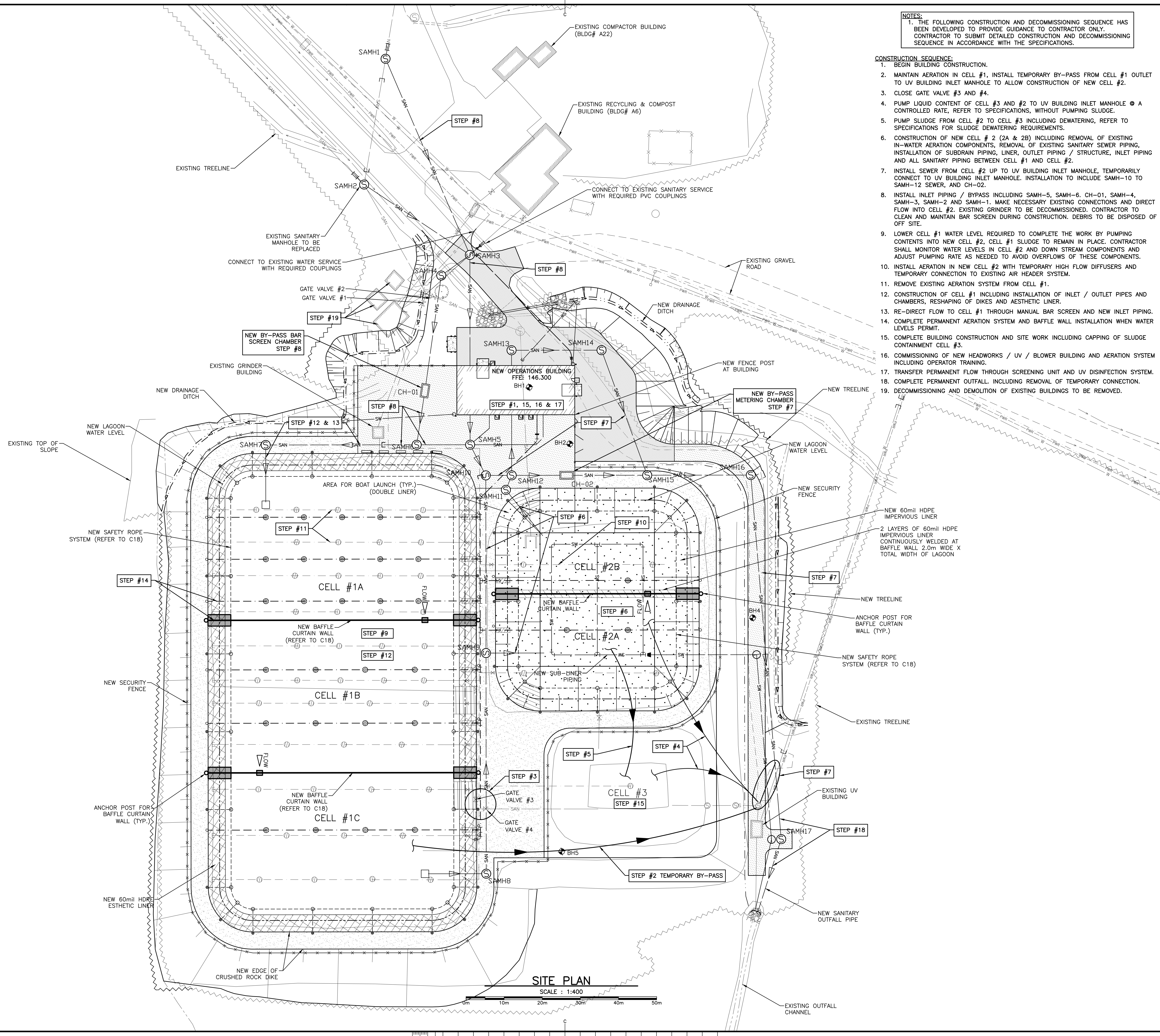


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NOTES:
1. THE FOLLOWING CONSTRUCTION AND DECOMMISSIONING SEQUENCE HAS BEEN DEVELOPED TO PROVIDE GUIDANCE TO CONTRACTOR ONLY. CONTRACTOR TO SUBMIT DETAILED CONSTRUCTION AND DECOMMISSIONING SEQUENCE IN ACCORDANCE WITH THE SPECIFICATIONS.

- CONSTRUCTION SEQUENCE:
- BEGIN BUILDING CONSTRUCTION.
 - MAINTAIN AERATION IN CELL #1, INSTALL TEMPORARY BY-PASS FROM CELL #1 OUTLET TO UV BUILDING INLET MANHOLE TO ALLOW CONSTRUCTION OF NEW CELL #2.
 - CLOSE GATE VALVE #3 AND #4.
 - PUMP LIQUID CONTENT OF CELL #3 AND #2 TO UV BUILDING INLET MANHOLE @ A CONTROLLED RATE, REFER TO SPECIFICATIONS, WITHOUT PUMPING SLUDGE.
 - PUMP SLUDGE FROM CELL #2 TO CELL #3 INCLUDING DEWATERING, REFER TO SPECIFICATIONS FOR SLUDGE DEWATERING REQUIREMENTS.
 - CONSTRUCTION OF NEW CELL # 2 (2A & 2B) INCLUDING REMOVAL OF EXISTING IN-WATER AERATION COMPONENTS, REMOVAL OF EXISTING SANITARY SEWER PIPING, INSTALLATION OF SUBDRAIN PIPING, LINER, OUTLET PIPING / STRUCTURE, INLET PIPING AND ALL SANITARY PIPING BETWEEN CELL #1 AND CELL #2.
 - INSTALL SEWER FROM CELL #2 UP TO UV BUILDING INLET MANHOLE, TEMPORARILY CONNECT TO UV BUILDING INLET MANHOLE. INSTALLATION TO INCLUDE SAMH-10 TO SAMH-12 SEWER, AND CH-02.
 - INSTALL INLET PIPING / BYPASS INCLUDING SAMH-5, SAMH-6, CH-01, SAMH-4, SAMH-3, SAMH-2 AND SAMH-1. MAKE NECESSARY EXISTING CONNECTIONS AND DIRECT FLOW INTO CELL #2. EXISTING GRINDER TO BE DECOMMISSIONED. CONTRACTOR TO CLEAN AND MAINTAIN BAR SCREEN DURING CONSTRUCTION. DEBRIS TO BE DISPOSED OF OFF SITE.
 - LOWER CELL #1 WATER LEVEL REQUIRED TO COMPLETE THE WORK BY PUMPING CONTENTS INTO NEW CELL #2, CELL #1 SLUDGE TO REMAIN IN PLACE. CONTRACTOR SHALL MONITOR WATER LEVELS IN CELL #2 AND DOWN STREAM COMPONENTS AND ADJUST PUMPING RATE AS NEEDED TO AVOID OVERFLOWS OF THESE COMPONENTS.
 - INSTALL AERATION IN NEW CELL #2 WITH TEMPORARY HIGH FLOW DIFFUSERS AND TEMPORARY CONNECTION TO EXISTING AIR HEADER SYSTEM.
 - REMOVE EXISTING AERATION SYSTEM FROM CELL #1.
 - CONSTRUCTION OF CELL #1 INCLUDING INSTALLATION OF INLET / OUTLET PIPES AND CHAMBERS, RESHAPING OF DIKES AND AESTHETIC LINER.
 - RE-DIRECT FLOW TO CELL #1 THROUGH MANUAL BAR SCREEN AND NEW INLET PIPING.
 - COMPLETE PERMANENT AERATION SYSTEM AND BAFFLE WALL INSTALLATION WHEN WATER LEVELS PERMIT.
 - COMPLETE BUILDING CONSTRUCTION AND SITE WORK INCLUDING CAPPING OF SLUDGE CONTAINMENT CELL #3.
 - COMMISSIONING OF NEW HEADWORKS / UV / BLOWER BUILDING AND AERATION SYSTEM INCLUDING OPERATOR TRAINING.
 - TRANSFER PERMANENT FLOW THROUGH SCREENING UNIT AND UV DISINFECTION SYSTEM.
 - COMPLETE PERMANENT OUTFALL, INCLUDING REMOVAL OF TEMPORARY CONNECTION.
 - DECOMMISSIONING AND DEMOLITION OF EXISTING BUILDINGS TO BE REMOVED.



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REGISTERED PROFESSIONAL ENGINEER
DATE 2020-02-28
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PROVINCE OF NOVA SCOTIA

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SEWAGE TREATMENT
UPGRADES
SPRINGHILL INSTITUTION
SPRINGHILL, NS

CONSTRUCTION
AND
DECOMMISSIONING
SEQUENCE

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|-----------------------|---------------------------------|---------------|
| designed | GMG | conçu |
| date | 2018-08-09 | |
| drawn | GMG | dessiné |
| date | 2018-08-09 | |
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