

PRE DEVELOPMENT DRAINAGE AREA		
DRAINAGE AREA NUMBER	AREA (M ²)	RUNOFF CURVE NUMBER
1		
EXISTING BUILDING	90	98
2		
GRAVEL COMPOUND	410	89

COMPOSITE CN = 90.7

STORAGE REQUIRED UNDER PRE-DEVELOPMENT = 69M³

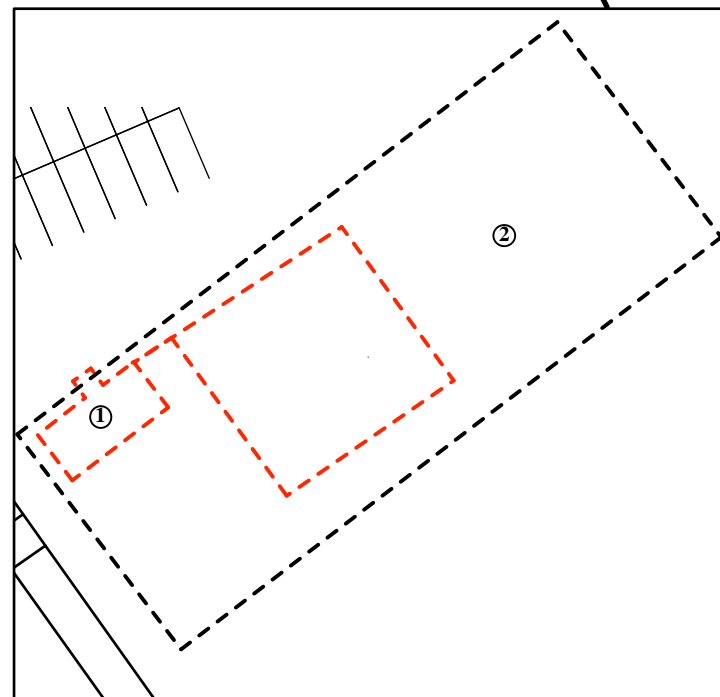
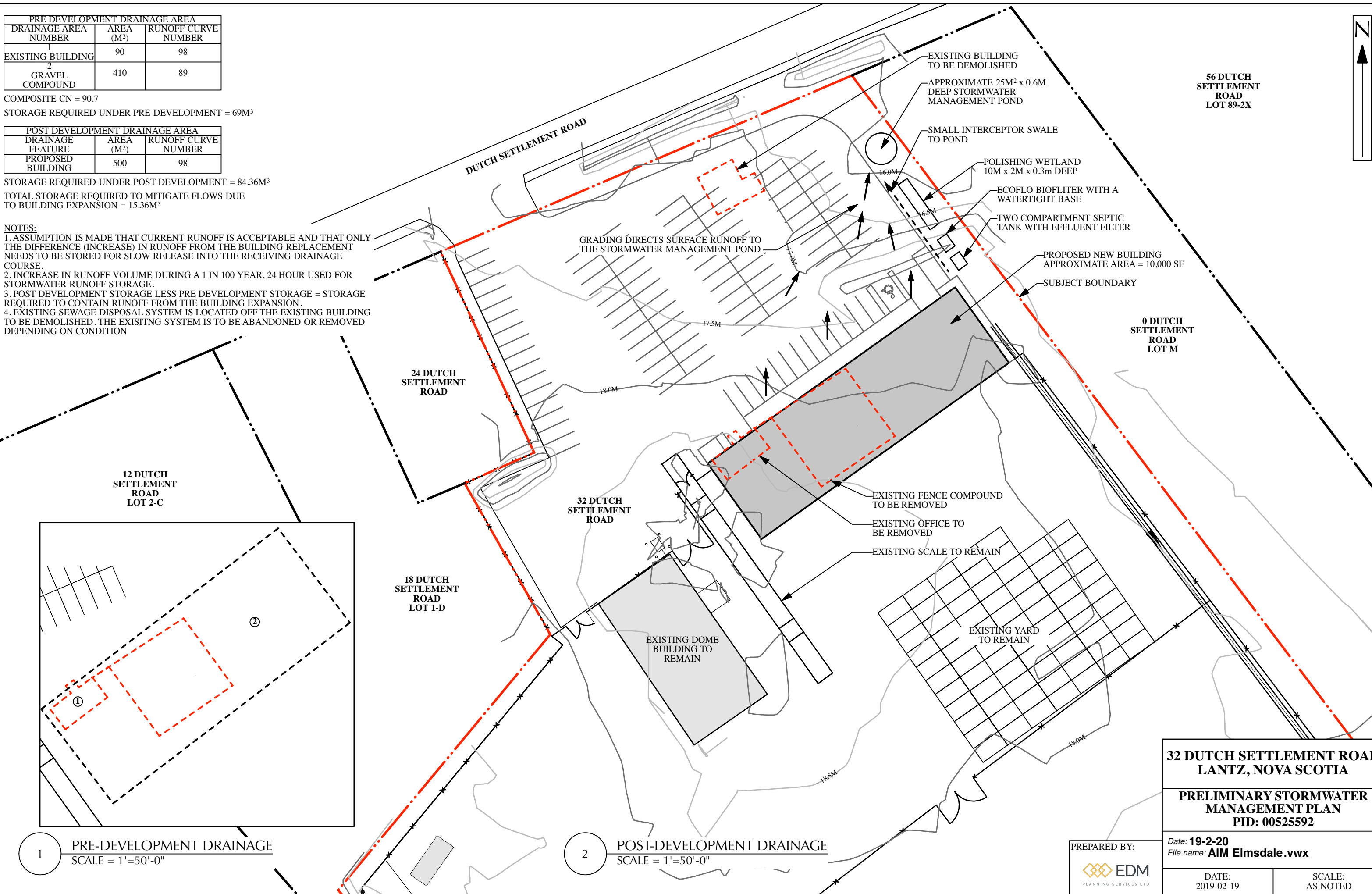
POST DEVELOPMENT DRAINAGE AREA		
DRAINAGE FEATURE	AREA (M ²)	RUNOFF CURVE NUMBER
1		
PROPOSED BUILDING	500	98

STORAGE REQUIRED UNDER POST-DEVELOPMENT = 84.36M³

TOTAL STORAGE REQUIRED TO MITIGATE FLOWS DUE TO BUILDING EXPANSION = 15.36M³

NOTES:

1. ASSUMPTION IS MADE THAT CURRENT RUNOFF IS ACCEPTABLE AND THAT ONLY THE DIFFERENCE (INCREASE) IN RUNOFF FROM THE BUILDING REPLACEMENT NEEDS TO BE STORED FOR SLOW RELEASE INTO THE RECEIVING DRAINAGE COURSE.
2. INCREASE IN RUNOFF VOLUME DURING A 1 IN 100 YEAR, 24 HOUR USED FOR STORMWATER RUNOFF STORAGE.
3. POST DEVELOPMENT STORAGE LESS PRE DEVELOPMENT STORAGE = STORAGE REQUIRED TO CONTAIN RUNOFF FROM THE BUILDING EXPANSION.
4. EXISTING SEWAGE DISPOSAL SYSTEM IS LOCATED OFF THE EXISTING BUILDING TO BE DEMOLISHED. THE EXISTING SYSTEM IS TO BE ABANDONED OR REMOVED DEPENDING ON CONDITION



1 PRE-DEVELOPMENT DRAINAGE
SCALE = 1"=50'-0"

2 POST-DEVELOPMENT DRAINAGE
SCALE = 1"=50'-0"

**32 DUTCH SETTLEMENT ROAD
LANTZ, NOVA SCOTIA**

**PRELIMINARY STORMWATER
MANAGEMENT PLAN
PID: 00525592**

PREPARED BY:

EDM
PLANNING SERVICES LTD

Date: **19-2-20**
File name: **AIM Elmsdale.vwx**

DATE: 2019-02-19
SCALE: AS NOTED