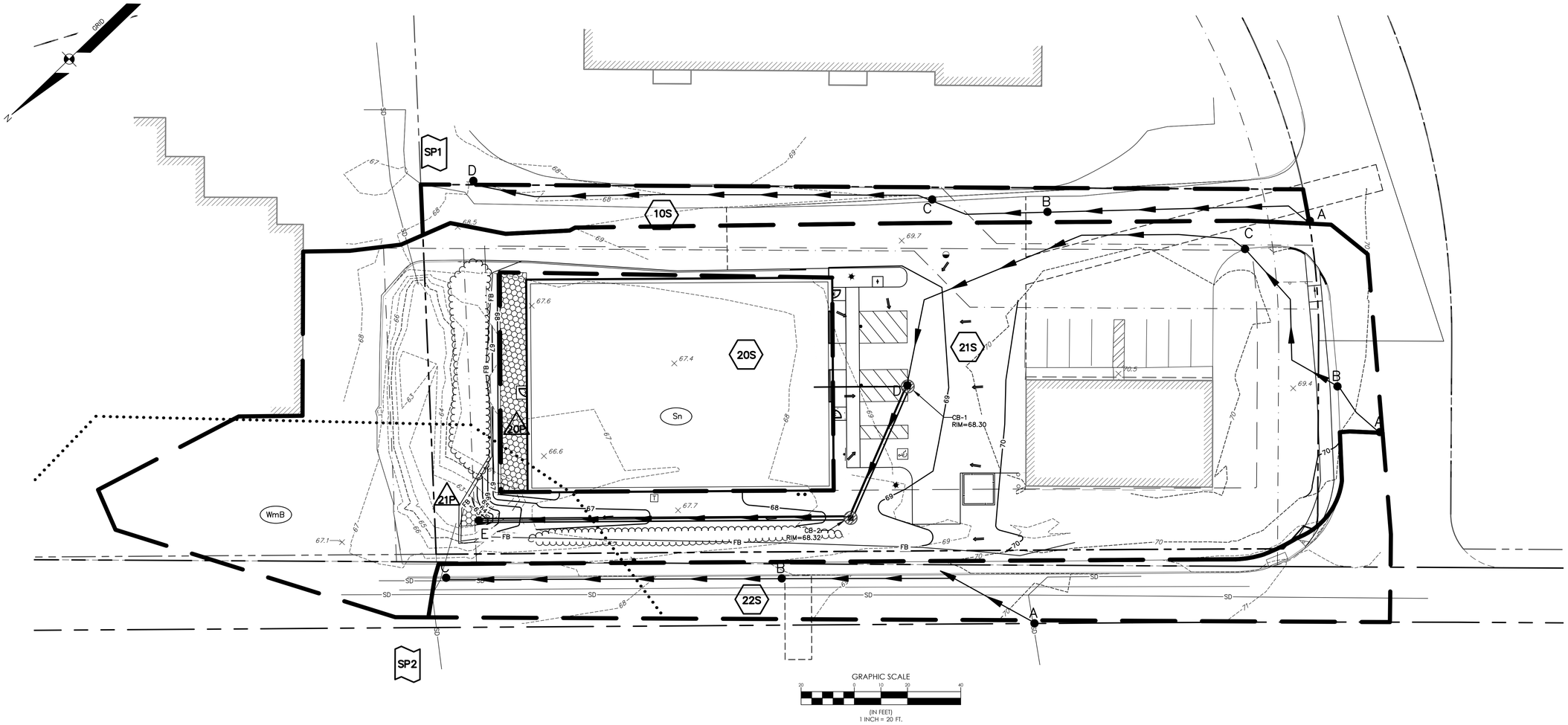


**Table 1: MDEP GENERAL STANDARD CALCULATIONS**

**Job #18002**

| AREA ID | WATERSHED SIZE (S.F.) | EXISTING ONSITE IMPERVIOUS AREA TO REMAIN (S.F.) | NEW ONSITE IMPERVIOUS AREA (S.F.) | EXISTING ONSITE LANDSCAPED AREA TO REMAIN (S.F.) | NEW ONSITE LANDSCAPED AREA (S.F.) | NET NEW DEVELOPED AREA (S.F.) | NET EXISTING DEVELOPED AREAS (S.F.) | TREATMENT PROVIDED? | IMPERVIOUS AREA TREATED (S.F.) | LANDSCAPED AREA TREATED* (S.F.) | DEVELOPED AREA TREATED (S.F.) | TREATMENT BMP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10S** | 4,717 | 3,128 | 0 | 1,589 | 0 | 0 | 4,717 | NO | 0 | 0 | 0 | |
| **20S** | 10,158 | 0 | 9,200 | 0 | 958 | 10,158 | 0 | YES | 9,200 | 958 | 10,158 | DripEdge |
| **21S** | 43,527 | 25,569 | 0 | 15,421 | 2,537 | 2,537 | 40,990 | NO | 0 | 0 | 0 | |
| **22S** | 9,044 | 8,975 | 0 | 69 | 0 | 0 | 9,044 | NO | 0 | 0 | 0 | |
| | | | | | | | | | | | | |
| **TOTAL (S.F.)** | **67,446** | **37,672** | **9,200** | **17,079** | **3,495** | **12,695** | **54,751** | | **9,200** | **958** | **10,158** | |

| | | | |
|---|---|---|---|
| **TOTAL NEW IMPERVIOUS AREA (S.F.)** | **9,200** | **TOTAL DEVELOPED AREA (S.F.)** | **12,695** |
| **TOTAL IMPERVIOUS AREA RECEIVING TREATMENT (S.F.)** | **9,200** | **TOTAL DEV. AREA RECEIVING TREATMENT (S.F.)** | **10,158** |
| **% OF IMPERVIOUS AREA RECEIVING TREATMENT** | **100.00%** | **% OF DEV. AREA RECEIVING TREATMENT** | **80.02%** |

STORMWATER PEAK DISCHARGE SUMMARY TABLE

| STUDY POINT | 2-YEAR STORM | | 10-YEAR STORM | | 25-YEAR STORM | |
|---|---|---|---|---|---|---|
| | PRE (CFS) | POST (CFS) | PRE (CFS) | POST (CFS) | PRE (CFS) | POST (CFS) |
| SP-1 | 0.26 | 0.26 | 0.41 | 0.41 | 0.53 | 0.53 |
| SP-2 | 2.81 | 2.79 | 4.67 | 4.42 | 5.89 | 5.59 |

SOIL TYPES

| SYMBOL | SOIL SERIES | SLOPE | HSG | DRAINAGE CLASS |
|---|---|---|---|---|
| WmB | WINDSOR LOAMY SAND | 0–8% | A | VERY WELL DRAINED |
| Sn | SCANTIC SILT LOAM | 0–3% | C | VERY POORLY DRAINED |

NOTES:
1. OFFSITE SOIL INFORMATION FOR THE PROJECT WAS OBTAINED VIA THE USDA UNITED STATES DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES CONSERVATION SERVICE'S WEB SOIL SURVEY. THE HYDROLOGIC SOIL GROUP (HSG) OF THE SITE SOILS ARE CLASSIFIED BY TECHNICAL RELEASE TR-55 OF THE SOIL CONSERVATION SERVICE.
2. Tc PATHS NOT SHOWN ARE ASSUMED TO HAVE A MINIMUM VALUE OF 6 MINUTES BASED ON TR-55 STANDARDS.

LEGEND

- WATERSHED BOUNDARY
- TIME OF CONCENTRATION (B → C)
- REACH
- WATERSHED LABEL (1)
- REACH (1)
- DETENTION POND (1)
- STUDY POINT (1)
- SOILS BOUNDARY
- SOIL MAP UNIT
- FLOW ARROW

NOT FOR CONSTRUCTION

AMBER R. FERLAND, PE 15451

11/30/18

| DESIGNED | CHECKED |
|---|---|
| ARF | PDO |

| REV. | BY: | DATE: | STATUS: |
|---|---|---|---|
| A | ARF | 11/30/18 | SITE PLAN TO CITY |

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POST-DEVELOPMENT STORMWATER PLAN
OF:
PROPOSED WAREHOUSE BUILDING
2 EVERGREEN DRIVE
PORTLAND, MAINE
FOR:
ROB DERREY
2 EVERGREEN DRIVE
PORTLAND, ME 04101

| PROJECT NO. | SCALE |
|---|---|
| 18002 | 1" = 20' |

SHEET 2 OF 2

18002SWP-POST.dwg, TAB:24x36