

SIMPLIFIED APPROACH FORM

PROJECT INFORMATION WORKSHEET

Project/Permit Number: 39600 EVANS STREET

Land Use Case Number: _____

Contact Name: ROGER SALESPhone: 503.348.8988Email: VINTAGEFARMS@MSN.COM

Site Address/R Number(s) for all parcels:

39600 EVANS STREETSANDY, OR 97055Project Description: DUPLEX (2) LOTExisting impervious area: 1500(+/-) PTotal NEW impervious area: 3848 P

SITE CHARACTERISTICS

- S.1 Do slopes exceed 20% anywhere within the project area? Yes No
- S.2 Are there springs, seeps, or a high groundwater table within the project area? Yes No
- S.3 Geotech Report? Yes No
- S.4 Infiltration Test? Yes No

See back of form for required certifications.

SIMPLE PIT INFILTRATION TEST PROCEDURE

The person performing this test does not need a professional credential.

Test instructions:

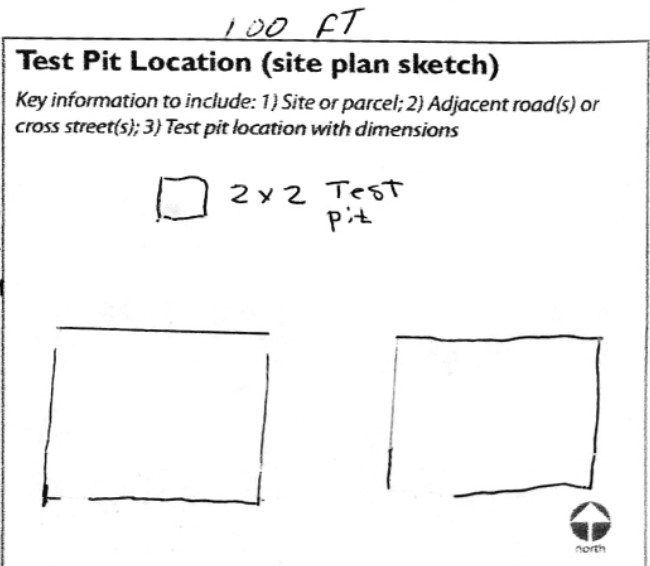
- Conduct the test in and/or near the location of the proposed infiltration facility.
- Excavate a 2' by 2' pit to a depth of: 2' below grade for facilities less than 2' deep or 3' below grade for facilities greater than 2' deep. Check for standing water or hardpan soil preventing excavation. If either is present, document conditions on this form and do not proceed with the test.
- Fill the pit with at least 12 inches of water and record the initial water depth and the time when the test starts. Check the water depth at regular intervals until all of the water has been absorbed or for 1 hour, whichever occurs first. Record the time and final water depth at the end of the test.
- Repeat the process two more times for a total of three rounds. Conduct the tests in succession to accurately characterize the soil's infiltration rates at different levels of saturation. The third test provides the best measure of the infiltration rate when saturated.
- Record infiltration test data in the table below and certify the results. Uncertified test results will not be accepted.

Required Infiltration Testing

Date of Test: Sept 4, 2023Depth of Excavation (ft): 2 FTDepth of Proposed Facility: 1.5 Ft

| | TEST 1 | TEST 2 | TEST 3 |
|---------------------------------------|--------|----------|----------|
| A. Time (of day) | 10 AM | 10:15 AM | 10:30 AM |
| B. Duration (minutes; 1 hour maximum) | 15min | 20 min | 45 min |
| C. Initial Water Depth (inches) | 12" | 12" | 12" |
| D. Final Water Depth (inches) | 0 | 0 | 0 |
| E. Infiltration Rate* (inches/hour) | 48 | 36 | 16 |

*Infiltration Rate = Initial Depth (in) - Final Depth (in) / Duration of Test (hours), hours = minutes/60



SIMPLIFIED APPROACH FORM

PROPOSED STORMWATER FACILITIES

Proposed Stormwater Facilities

Please note: Each individual tax lot is required to manage the stormwater runoff it generates on the same lot to the maximum extent feasible (for new construction or redevelopment). The following table includes accepted Simplified Approach facilities as described in Chapters 2 & 3 of the 2020 Stormwater Management Manual. Copies of the manual are available online at www.portlandoregon.gov/bes/SWMM.

| STORMWATER FACILITY TYPE | AREA DRAINING TO FACILITY (SF) | FACILITY SIZING FORMULA | FACILITY SIZE (surface area of facility) |
|---|--------------------------------|--|--|
| Ecoroof | | Area x 1 (1:1 ratio) | |
| Pervious Pavement | | Area x 1 (1:1 ratio) | |
| Rain garden | | Area x 0.10 | |
| Basin | | Area x 0.09 | |
| Planter | | Area x 0.06 | |
| Filter Strip | | See sizing table in SWMM Section 3.3.2.1 | |
| Driveway Center Strip | | Min. width is 3 ft; max. length is 50 ft if slope is 10-15% (max. slope is 15%). | |
| Drywell | | See Maximum Catchment Area Managed by a Single Drywell Table below | (Drywell diameter, depth number) |
| Soakage Trench | 3848 | 25 ft ² of soakage trench for every 500 ft ² of impervious area. (Depth = 1.5 ft; width & length vary) | 193 |
| Surface Sand Filter | | Area x 0.06 | |
| TOTAL IMPERVIOUS AREA (Managed, new, and redeveloped) | | Total impervious area must equal the total NEW AND REDEVELOPED impervious area being proposed. | |

Maximum Catchment Area Managed by a Single Drywell (ft²)

| MATERIAL | PLASTIC | CONCRETE | CONCRETE |
|---------------|---------------------|-----------------------|-----------------------|
| Ring Diameter | 24 inches | 28 inches | 48 inches |
| 2 ft deep | 500 ft ² | NA | NA |
| 5 ft deep | NA | 1,000 ft ² | 2,500 ft ² |
| 10 ft deep | NA | 2,500 ft ² | 4,500 ft ² |
| 15 ft deep | NA | 3,500 ft ² | 5,000 ft ² |

No more than 2 plastic drywells allowed per catchment area.

Required Certifications

SIMPLE PIT TEST

ROGER SALES

Name of Tester

Roger Sales

Signature of Tester

Sept. 4 2023

Date

PERSON RESPONSIBLE FOR APPLICATION ACCURACY

Roger Sales

Contact Name - Printed

Roger Sales

Signature

Sept 4-2023

Date