



Land Use Planning Division
 1600 SE 190th Ave, Ste 116
 Portland OR 97233
 Ph: 503-988-3043 Fax: 503-988-3389
 land.use.planning@multco.us
 www.multco.us/landuse

**STORM WATER DRAINAGE CONTROL CERTIFICATE
 FOR LAND DIVISIONS & PROPERTY LINE ADJUSTMENTS**

Please take your proposed Tentative Plan Map to an Oregon Licensed Professional Engineer and have them complete this Certificate for each proposed or reconfigured parcel/lot:

Existing Property Address: 13801 NW CHARLTON RD PORTLAND OR 97231

Current Legal Description: 2N1W16TL900

Proposed Parcel/Lot #: PARCEL 1 Proposed Parcel/Lot Size (acres): 98.9

Square Footage of Existing Impervious Surfaces: 13,866 SQ. FT.

Construction of an on-site storm water drainage control system is not required. The rate of surface storm water run-off rate or volume attributed to the existing or proposed development (during a 10-year/24-hour storm event) on the new or reconfigured parcel at all property lines is no greater than that occurring before division or adjustment. I certify through the attached stamped and signed site plan and stamped and signed REPORT dated 5-6-20 that the proposal will meet the requirements listed above.

Construction of an on-site storm water drainage control system is required. The rate of surface storm water run-off rate or volume attributed to the existing or proposed development (during a 10-year/24-hour storm event) on the new parcel at one or all property lines will be greater than that occurring before division or adjustment. I certify the attached stamped and signed site plan, stamped and signed storm water system design details, and stamped and signed calculations dated _____ will meet the requirements listed above.

NOTE to Engineer: Please check one box above. Multnomah County does not use the City of Portland's storm water Ordinance. As part of your review, you must consider all new and existing structures and impervious areas and determine that the generated storm water is in compliance with Oregon law for a 10 year/24 hour storm event. This Storm Water Drainage Control Certificate does not apply to shingle or roof replacement on lawful structures.

Signature John Middleton

Print Name JOHN MIDDLETON

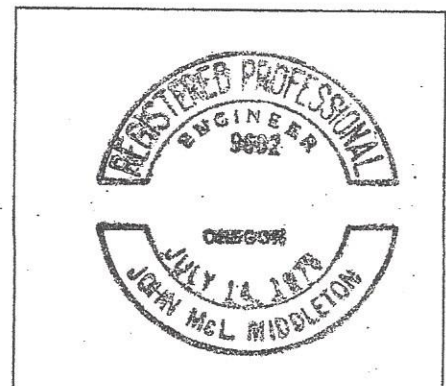
Business Name ZTEC ENGINEERS

Address 3880 SE 8TH AVE SUITE 280
PORTLAND OR 97202

Phone # 503-235-8795

Date 5-6-2020

Engineer's Stamp Below:





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Existing Property Address: 13801 NW CHARLTON RD PORTLAND OR 97231

Current Legal Description: 2N1W16TL900

Proposed Parcel/Lot #: PARCEL 2 Proposed Parcel/Lot Size (acres): 2.0

Square Footage of Existing Impervious Surfaces: 3,360 SQ. FT.

Construction of an on-site storm water drainage control system is not required. The rate of surface storm water run-off rate or volume attributed to the existing or proposed development (during a 10-year/24-hour storm event) on the new or reconfigured parcel at all property lines is no greater than that occurring before division or adjustment. I certify through the attached stamped and signed site plan and stamped and signed REPORT dated 5-6-20 that the proposal will meet the requirements listed above.

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Signature *John Middleton*

Print Name JOHN MIDDLETON

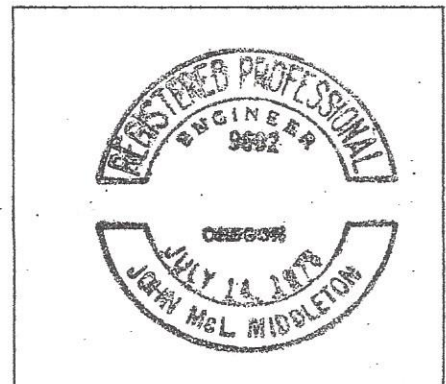
Business Name ZTEC ENGINEERS

Address 3880 SE 8TH AVE SUITE 280
PORTLAND OR 97202

Phone # 503-235-8795

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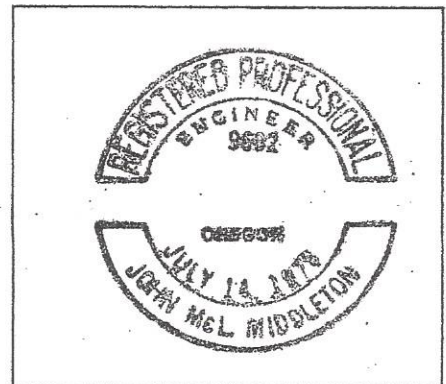
Existing Property Address: 13801 NW CHARLTON RD PORTLAND OR 97231
 Current Legal Description: 2N1W16TL900
 Proposed Parcel/Lot #: PARCEL 3 Proposed Parcel/Lot Size (acres): 2.0
 Square Footage of Existing Impervious Surfaces: 0

- Construction of an on-site storm water drainage control system is not required.** The rate of surface storm water run-off rate or volume attributed to the existing or proposed development (during a 10-year/24-hour storm event) on the new or reconfigured parcel at all property lines is no greater than that occurring before division or adjustment. I certify through the attached stamped and signed site plan and stamped and signed REPORT dated 5-6-20 that the proposal will meet the requirements listed above.
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Signature John Middleton
 Print Name JOHN MIDDLETON
 Business Name ZTEC ENGINEERS
 Address 3880 SE 8TH AVE SUITE 280
PORTLAND OR 97202
 Phone # 503-235-8795
 Date 5-6-2020

Engineer's Stamp Below:



ZTec Engineers, Inc.

Civil ♦ Surveying

3880 SE 8th Ave.,

Ross Island Plaza, Suite 280,

Portland, OR 97202

(503) 235-8795

FAX: (503) 233-7889

E-mail: john@ztecengineers.com

John McL. Middleton, P.E.

Chris C. Fischborn, P.L.S.

Ronald B. Sellards, P.E

Date: 5-6-20

To: Robert Wiley

From: John Middleton PE

Re: Storm Water Certification

Attached is a report I put together to address the lack of calculations. Included is a signed/stamped "Site Plan".

I also revised the certifications for each parcel with an updated certificate referencing the report and dated 5-6-20.

I re-read the regulation we are trying to address and it specifically notes NEW impervious area. Without any new impervious areas there is nothing to calculate.

I hope the attached meets the County requirements.



John Middleton

ZTec Engineers, Inc.

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5-6-2020

13801 NW Charlton Rd
Proposed 3 Parcel Partition
Storm Water Report

The property owner, Wiley Farm Enterprises LLC, proposes to divide the 103 Ac. property into 3 parcels. The property is identified on the Oregon State system as 2N1W16-00900.

The property will be divided into 3 parcels per the attached site plan:

Parcel 1- 98.9 Ac. This parcel has the existing gravel access road, an existing modular home, 2 existing barns, and 3 existing sheds. No new impervious areas are proposed for this parcel at this time.

Parcel 2 – 2 Ac. This parcel has an existing house and existing parking area. No new impervious areas are proposed for this parcel at this time.

Parcel 3- 2 Ac. This parcel has no existing impervious areas. No new impervious areas are proposed for this parcel at this time.

MCC 39.4245(F) (2) states: "Stormwater/drainage control systems are required for NEW impervious surfaces. The system shall be adequate to ensure that the rate of runoff from the lot for the 10 year 24-hour storm event is no greater than that before development.

No new impervious areas are proposed for any of the parcels so there is no area available upon which to base a calculation.

Future Stormwater Treatment/Disposal:

Stormwater runoff from any future new impervious areas can be handled with on-site surface or sub-surface disposal.

The native soil on Western portion of Lot 1, all of Parcel 2 and all of Parcel 3 is identified on the Soils Survey of Multnomah County as Burlington. It is categorized as Hydrologic group A.

The permeability rates are:

0 to 12" deep -2" to 6" per hour

12" to 60" deep- 6" to 20" per hour

These rates are high and indicate the native soil in this area is an excellent candidate for installation of surface and sub-surface stormwater treatment and disposal systems to deal with future runoff from new impervious areas.

Storm water runoff from future impervious areas can be treated and disposed of on-site without increasing existing runoff from the individual parcels.

Methods of treatment and disposal will vary with the size of the impervious area and the proximity to the property boundary lines.

Surface treatment/disposal can include:

Downspout extension disposing to vegetated areas.

Filter strips

Rain gardens

Swales

Basins

Planters

Pervious Pavement

Sub-surface methods can include:

Soakage Trenches

Drywells

Conclusion: 1. There are no new impervious areas being proposed at this time so there are no storm water runoff calculations to be made.

2. The permeability rate of the native soil is high so the degree of certainty that runoff from future new impervious areas will be treated and disposed of on each individual parcel is high.

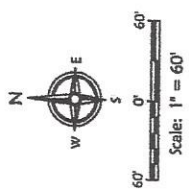


SITE PLAN

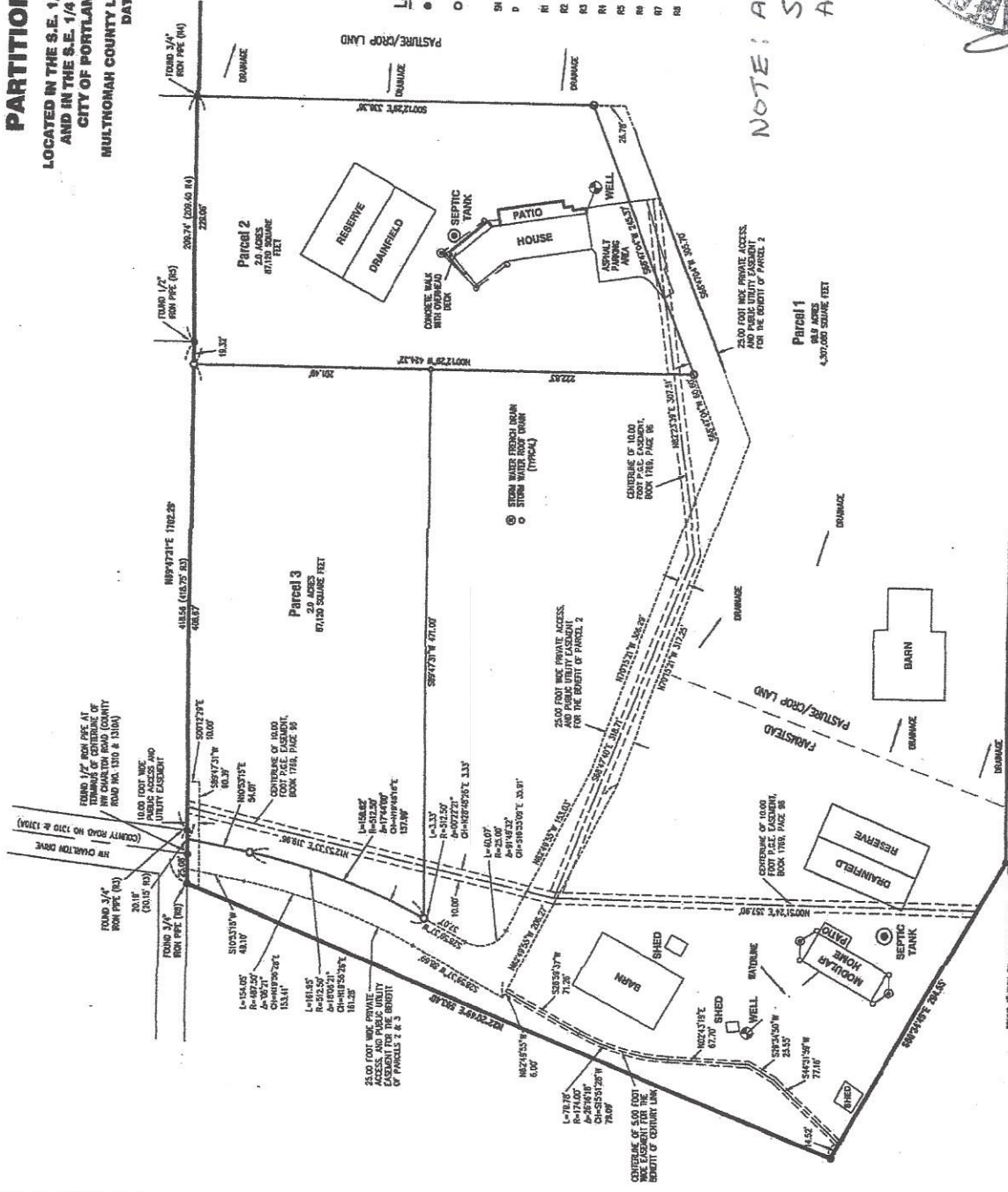
PARTITION PLAT NO.

LOCATED IN THE S.E. 1/4 SECTION 16, THE N.E. 1/4 SECTION 21,
AND IN THE S.E. 1/4 SECTION 15, T. 2 N., R. 1 W., W.M.
CITY OF PORTLAND, MULTNOMAH COUNTY, OREGON
MULTNOMAH COUNTY LAND DIVISION CASE NO. _____
DATE: OCTOBER 1, 2018

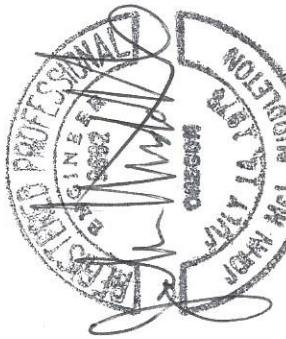
SHEET 3 OF 3



- LEGEND**
- POINTS FOUND 3/4" FROM PPE (60) UNLESS NOTED OTHERWISE
 - POINTS 5/8" DIAMETER BY 3/4" LONG BORN AND WITH A PLASTIC CAP STAMPED "COMPASS LAND SURVEYORS" SET ON
 - SH SURVEY MARKER, MULTNOMAH COUNTY SURVEY RECORDS
 - D DOCUMENT NO. 2018-00098 MULTNOMAH COUNTY DEED RECORDS
 - R1 SH 7024A (1922)
 - R2 SH 23417
 - R3 SH 33010
 - R4 SH 33018
 - R5 SH 26079
 - R6 SH 60072
 - R7 SH 81608
 - R8 SH 30722



NOTE: ALL IMPERVIOUS SURFACES SHOWN ARE EXISTING



EXP. 12-31-20



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 Snapshot

VICINITY MAP

