



May 31, 2007

TO: Michele Britton, 4-4776

FROM: Bryan Dias, 4-4770

SUBJECT: I-5 OL-3451
Grandmound to Maytown Widening
MP 86.87 to MP 96.21 Vicinity
PH and Resistivity Report

The Olympic Region Materials Office has completed the requested soils testing for the Grandmound to Maytown Widening project located in Thurston County.

Hand test holes were dug within the boundary limits of the project using a manual post hole digger. This memo contains a general description of the soils encountered along with the PH and Resistivity levels.

Test Holes From MP 86.87 to MP 92.21, Located left and right of center line, consisted of the following:

<u>PH</u>	<u>RESISTIVITY</u>
3.9 to 5.2	10,000 to 29,000 OHMS

0" to 9" – moist, dark brownish black, loose, soil with roots and grasses
9" to 4'9" – moist, dark brown, sandy, with some clay, Gravel.

Test Holes from MP 92.21 to MP 93.1, located left and right of center line, consisted of the following:

<u>PH</u>	<u>RESISTIVITY</u>
4.6 to 5.2	11,000 to 20,000 OHMS

0" to 5" – moist, dark brown, very loose, soil with roots and grasses
5" to 5' - Moist, dark red, to light red, stratified, gravelly, with some sand, Clay.

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Test Holes From MP 93.1 to MP 94.7, located left and right of center line, consisted of the following:

PH
3.9 to 5.2

RESISITIVITY
2900 to 20,000 OHMS

0" to 8" – moist, dark black, soil with roots and sod.

8" to 3'2" – very moist, dense, dark black to dark gray, stratified, clay.

3'2" to 5' – very wet, dense, light blue, gray, with some red, stratified clay.

Test Holes From MP 94.7 to MP 96.21, located left and right of centerline, consisted of the following:

PH
3.8 to 5.4

RISISITIVITY
2300 to 5900 OHMS

0" to 7" – moist, dark black, roots, moss, sod, with grasses

7" to 2'9" – wet, dense, stratified, tan, light red, dark red, clay

2'9" to 4'2" – moist, gray, reddish, clay with scattered gravels and sand.

BD:cv
CV

cc: Scott Gowan, Jeff Petterson, 4-4776
Don Williams 4-47365



EXPIRES: 04/09/07