

Revised 8-31-10

ATTACHMENT B



King County
Department of Transportation

COUNTY ROAD ENGINEER'S REPORT

Project: NE Woodinville-Duvall Road

At 212th Avenue NE

CIP 101404

An ordinance in the matter of the King County Council for the Location and Establishment of a County Road, King County, Washington. I, the undersigned, County Road Engineer of the County of King, State of Washington, duly directed by the King County Council, on the 3 day of June, 2010, to make an examination, and if necessary, a survey of that certain proposed road relating to the establishment of that certain road therein designated, report that I consider such a road or modified route thereof practicable and submit my opinion.

J. D. Norman
County Road Engineer

6/3/10
Date

FIRST

That the ROAD is a necessity and ought to be established and opened.

SECOND

That the terminal points, general course and length of said ROAD along the Establishment centerline as surveyed by King County is as follows:

Those portions of the Southeast Quarter of Section 8 and of the Southwest Quarter of Section 9, all in Township 26 North, Range 6 East, Willamette Meridian, King County, Washington and being described as follows:

COMMENCING at the Southeast corner of said Section 8;

Thence North $01^{\circ}02'59''$ East along the east line of said Section 8 being also the West line of said Section 9, a distance of 1785.77 feet to the point of curvature of a non-tangent curve to the right, the radial center of which bears South $88^{\circ}55'53''$ East, a distance of 380.00 feet, said point being POINT OF BEGINNING of this establishment centerline, said point having a calculated NAD83-91 Washington State plane coordinate of North 276893.28, East 1340287.27 at Engineers Station 99+73.50;

Thence along said curve to the right, through a central angle of $40^{\circ}28'51''$, an arc distance of 268.48 feet to Engineers Station 102+41.98;

Thence North $41^{\circ}44'20''$ East, on a non-tangent bearing, a distance of 170.64 feet to Engineers Station 104+12.62, said point being on the Right of Way Centerline of NE Woodinville-Duvall Road, said point having a calculated NAD83-91 Washington State Plane coordinate of North 277265.57, East 1340496.42, and the terminus of said Establishment centerline.

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The length of said Establishment centerline to be 439.12 feet or 0.08 miles.

THIRD

THAT said ROAD should be established at a variable right-of-way width left and right of the above mentioned establishment centerline and described as follows:

RIGHT OF WAY DESCRIBED AS FOLLOWS:

Those portions of the Southwest Quarter of Section 9, all in Township 26 North, Range 6 East, Willamette Meridian, King County, Washington and being described as follows:

COMMENCING at the Southwest corner of said Section 9;

Thence North 01°02'59" East along the west line of said Section 9, a distance of 1785.77 feet to the point of curvature of a non-tangent curve to the right, the radial center of which bears South 88°55'53" East, a distance of 380.00 feet, said point having a calculated NAD83-91 Washington State plane coordinate of North 276893.28, East 1340287.27 at Engineers Station 99+73.50 of King County Survey 8-26-6-12 filed at the office of the King County Engineer;

Thence along said curve to the right, through a central angle of 22°54'03", an arc distance of 151.88 feet to a point on the east margin of existing 212th Avenue NE said point being Engineers Station 101+25.38 of said Survey, said point being the POINT OF BEGINNING;

Thence North 01°02'59" East a distance of 87.78 feet along said east margin to the point of curvature of a non-tangent curve to the right, the radial center of which bears South 54°59'09" East, a distance of 422.00 feet, said point being 42.00 feet left of Engineers Station 101+98.63 of said survey;

Thence along said curve to the right, through a central angle of 6°32'41", an arc distance of 48.20 feet, to a point having a calculated NAD83-91 Washington State Plane coordinate of North 277166.14, East 1340351.43;

Thence North 41°44'20" East, on a non-tangent bearing, a distance of 95.71 feet to the point of curvature of a tangent curve to the left, the radial center of which bears North 48°15'40" West, a distance of 25.00 feet, said point being 42.00 feet left of Engineers Station 103+37.62 of said survey;

Thence along said curve to the left, through a central angle of 90°00'00", an arc distance of 39.27 feet, to a point being 67.00 feet left of Engineers Station 103+62.62 of said survey;

Thence North 48°15'40" West a distance of 104.46 feet to a point on the east margin of existing 212th Avenue NE, said point being the point of curvature of a non-tangent curve to the right, the radial center of which bears South 36°43'27" East, a distance of 25.00 feet, said point being 171.46 feet left of Engineers Station 103+62.62 of said survey;

Thence along said curve to the right, through a central angle of 78°27'46", an arc distance of 34.24 feet to a point on the southwesterly margin of NE Woodinville-Duvall Road, said point being 146.97 feet left of Engineers Station 103+82.62 of said survey;

Thence South 48°15'40" East along said southwesterly margin a distance of 500.82 feet, to a point being 353.85 feet right of Engineers Station 103+82.62 of said survey;

Thence South 41°44'00" West a distance of 20.00 feet, to a point being 353.85 feet right of Engineers Station 103+62.62 of said survey;

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Thence North 48°15'40" West a distance of 286.85 feet to the point of curvature of a tangent curve to the left, the radial center of which bears South 41°44'20" West, a distance of 25.00 feet, said point being 67.00 feet right of Engineers Station 103+62.62 of said survey;

Thence along said curve to the left, through a central angle of 90°00'00", an arc distance of 39.27 feet, to a point being 42.00 feet right of Engineers Station 103+37.62 of said survey;

Thence South 41°44'20" West a distance of 95.57 feet to the point of curvature of a non-tangent curve to the left, the radial center of which bears South 48°27'44" East, a distance of 338.00 feet, said point being 42.00 feet right of Engineers Station 102+42.05 of said survey;

Thence along said curve to the left, through a central angle of 40°28'10", an arc distance of 238.74 feet, to a point being 42.00 feet right of Engineers Station 99+73.50 of said survey;

Thence North 88°55'53" West a distance of 12.00 feet to a point on the east margin of existing 212th Avenue NE, said point being 30.00 feet right of Engineers Station 99+73.50 of said survey;

Thence North 01°02'59" East along said east margin, a distance of 147.87 feet to the point of beginning.

Containing approximately 31,822 square feet (0.73 acres).

FOURTH

That such other facts, matters and things as are deemed of importance to be considered by the Council are as follows: The adoption of this ordinance will establish the alignment of the newly constructed road centerline, and is necessary to formally establish the new alignment as part of the network of surveyed centerline monuments defining public roads in unincorporated King County.

FIFTH

Estimated cost of construction is \$1,465,000.