1. The basis of bearings and distances are determined from the Washington State Plane Coordinate System South Zone (NAD 83/91).

2. The distances shown are U.S. Feet. Washington State Plane Grid distances to obtain ground distances convert the grid distance to meters and then divide by the combined factor of 0.0009998651. Meters = Feet multiplied by (12/39.37).

3. Per RCW 58.09.130, any monument or corner disturbed by the contractor's operation shall be replaced at no cost to the Contracting agency.

COORDINATE SYSTEM SOUTH ZONE, (NAD 83/91).

DETERMINED FROM THE WASHINGTON STATE PLANE THE BASIS OF BEARINGS AND DISTANCES ARE METERS = FEET MULTIPLIED BY (12/39.37).

20TH ST DR E

Table: Curve Data

<table>
<thead>
<tr>
<th>P. Station</th>
<th>Delta</th>
<th>Radius</th>
<th>Tangent Length</th>
<th>End Pnt</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 8+57.93</td>
<td>45°44'0.7' LT</td>
<td>85.00</td>
<td>46.09</td>
<td>156.67</td>
</tr>
</tbody>
</table>

DRAFTED BY: L. Munir

CHECKED BY: J. Suazo

DESIGNED BY: L. King

CODE: 9 /30 /2019

SCALE IN FEET

0 20 40

NOTE:

- RIGHT-OF-WAY
- LIMITED ACCESS
- HIGHWAY LIMITS
- SECTION LINE
- 1/4 SECTION LINE
- 1/16 SECTION LINE
- CONSTRUCTION ALIGNMENT
- EXISTING ALIGNMENT EASEMENT
- EXISTING OVERHEAD TRANSMISSION LINE EASEMENT

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NOTES:
1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83/91).
2. THE DISTANCES SHOWN ARE U.S. FEET WASHINGTON STATE PLANE GRID DISTANCES TO A POINT GROUND DISTANCES CONVERT THE GRID DISTANCE TO METERS AND THEN DIVIDE BY THE COMBINED FACTOR OF 0.999986672.

METERS = FEET MULTIPLIED BY (12/39.37).

3. PER RCW 58.09.130, ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.

COORDINATE SYSTEM SOUTH ZONE, (NAD 83/91).

DETERMINED FROM THE WASHINGTON STATE PLANE GRID.

THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83/91).

FACTORS OF 0.999986672 METERS AND THEN DIVIDE BY THE COMBINED DISTANCES CONVERT THE GRID DISTANCE TO METERS AND THEN DIVIDE BY THE COMBINED FACTOR OF 0.999986672.

METERS = FEET MULTIPLIED BY (12/39.37).

3. PER RCW 58.09.130, ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.

COORDINATE SYSTEM SOUTH ZONE, (NAD 83/91).

DETERMINED FROM THE WASHINGTON STATE PLANE GRID.

THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83/91).
1. The basis of bearings and distances are determined from the Washington State Plane Coordinate System South Zone (NAD 83/91).

2. The distances shown are U.S. Feet Washington State Plane Grid Distances. To obtain ground distances, convert the grid distances to meters and then divide by the combined factor of 0.999986672.

3. Per ROW 58.03(10), any monument or corner disturbed by the contractor's operation shall be replaced at no cost to the contracting agency.

CURVE DATA

<table>
<thead>
<tr>
<th>PI STATION</th>
<th>DELTA</th>
<th>RADIUS</th>
<th>TANGENT</th>
<th>LENGTH</th>
<th>SUPER</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 21+45.79</td>
<td></td>
<td>141.90°</td>
<td>51.31°</td>
<td>106.81</td>
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<tr>
<td>E 22+72.85</td>
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</table>

NOTES:

1. The basis of bearings and distances are determined from the Washington State Plane Coordinate System South Zone (NAD 83/91).

2. The distances shown are U.S. Feet Washington State Plane Grid Distances. To obtain ground distances, convert the grid distances to meters and then divide by the combined factor of 0.999986672.

3. Per ROW 58.03(10), any monument or corner disturbed by the contractor's operation shall be replaced at no cost to the contracting agency.
NOTES:
1. THE BASIS OF Bearings AND DistaNCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83/91).
2. THE DISTANCES ShOWN ARE U.S. FEET WASHINGTON STATE PLANE GRID DISTANCES TO OBTAIN GROUND DISTANCES CONVERT THE GRID DISTANCE TO METERS AND THEN DIVIDE BY THE COMBINED FACTOR OF 0.999986672.

CURVE DATA

<table>
<thead>
<tr>
<th>P1 STATION</th>
<th>DELTA</th>
<th>RADIUS</th>
<th>TANGENT</th>
<th>LENGTH</th>
<th>SUPER</th>
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<tbody>
<tr>
<td>E 29+14.14</td>
<td>0'00.00</td>
<td>5500.00</td>
<td>34.78</td>
<td>43.55'</td>
<td>N/C</td>
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</table>

SCALE IN FEET

INTERSTATE 5
PORT OF TACOMA ROAD INTERCHANGE PHASE 2
ALIGNMENT AND RIGHT OF WAY PLAN

SHEET KEY

MATCH LINE
SEE SHEET AL05
MATCH LINE
NOTES:
1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (BAG 83). 
2. THE DISTANCES SHOWN ARE U.S. FEET. WASHINGTON STATE PLANE GRID DISTANCES TO OBTAIN GROUND DISTANCES CONVERT THE GRID DISTANCE TO METERS THEN MULTIPLY BY THE COMBINED FACTOR OF 0.999986672.
3. PER ROW 35.04151 ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.

LEGEND
- RIGHT-OF-WAY
- LIMITED ACCESS
- HIGHWAY LIMITS
- SECTION LINE
- ¼ SECTION LINE
- ½ SECTION LINE
- CONSTRUCTION ALIGNMENT
- EXISTING ALIGNMENT
- EASEMENT
- FENCE
- EXISTING OVERHEAD TRANSMISSION LINE EASEMENT

CURVE DATA

<table>
<thead>
<tr>
<th>P.I. STATION</th>
<th>DELTA</th>
<th>RADIUS</th>
<th>TANGENT LENGTH</th>
<th>SUPER</th>
</tr>
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<tbody>
<tr>
<td>A 23+00.40</td>
<td>22°07'02.1&quot;</td>
<td>1000.20</td>
<td>220.46</td>
<td>5%</td>
</tr>
</tbody>
</table>
NOTES:
1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (WAD 83/91).
2. THE DISTANCES SHOWN ARE U.S. FEET WASHINGTON STATE PLANE GRID DISTANCES TO OBTAIN GROUND DISTANCES CONVERT THE GRID DISTANCE TO 3.370025 FT PER METER WITH A SCALE FACTOR OF 0.9999972.
3. PER RCW 58.09.130, ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.

LEGEND
R.O.W. = RIGHT-OF-WAY
H.L. = LIMITED ACCESS
S.L. = SECTION LINE
1/4 S.L. = 1/4 SECTION LINE
1/8 S.L. = 1/8 SECTION LINE
C.A. = CONSTRUCTION ALIGNMENT
E.A. = EASEMENT
FENCE
T.L. = TRANSMISSION LINE
EASEMENT

SCALE: 3" = 100'
S. 2. T. 20N. R. 3E. W.M.

NOTE:
1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (MD 6391).
2. THE DISTANCES SHOWN ARE U.S. FEET WASHINGTON STATE PLANE GRID DISTANCES TO OBTAIN GROUND DISTANCES CONVNET THE GRID DISTANCE TO METERS AND THEN DIVIDE BY THE COMBINED FACTOR OF (0.999986672).
3. PER ROW 18.06.130 ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.

CURVE DATA

<table>
<thead>
<tr>
<th>P1 STATION</th>
<th>DELTA</th>
<th>RADIUS</th>
<th>TANGENT</th>
<th>LENGTH</th>
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<tbody>
<tr>
<td>D 26+27.73</td>
<td>18°21'38.8&quot; RT</td>
<td>760.00</td>
<td>44.87</td>
<td>168.48</td>
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SCALE IN FEET

RIGHT-OF-WAY

LIMITED ACCESS

HIGHWAY LIMITS

SECTION LINE

1/16 SECTION LINE

CONSTRUCTION ALIGNMENT

EXISTING REHAB

EASEMENT

EXISTING OVERHEAD

TRANSMISSION LINE EASEMENT

MATCH LINE E. R.TA. 23+50
SEE SHEET A10

DATA SHEET

DATE

REVISION

DESCRIPTION

DESIGNED BY:
L. KING

DRAFTED BY:
L. MUNIR

CHECKED BY:
S. BENNION

PROJ. MANGER:
S. BENNION
S. 2. T. 20N. R. 3E. W.M.

NOTES:
1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM THE WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83/91).
2. THE DISTANCES SHOWN ARE 0.999986672 METERS AND THEN DIVIDE BY THE COMBINED FACTOR OF 0.9999999972.
3. PER RCW 58.09.130, ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.

FACTOR OF 0.999986672
METERS AND THEN DIVIDE BY THE COMBINED DISTANCES CONVERT THE GRID DISTANCE TO STATE PLANE GRID DISTANCES. TO OBTAIN GROUND THE DISTANCES SHOWN ARE U.S. FEET WASHINGTON CONTRACTING AGENCY.

COORDINATE SYSTEM SOUTH ZONE, (NAD 83/91). DETERMINED FROM THE WASHINGTON STATE PLANE THE BASIS OF BEARINGS AND DISTANCES ARE 1.

RIGHT-OF-WAY SECTION LINE LIMITED ACCESS HIGHWAY LIMITS 1/4 SECTION LINE 1/16 SECTION LINE CONSTRUCTION ALIGNMENT EXISTING ALIGNMENT EASEMENT FENCE EXISTING OVERHEAD TRANSMISSION LINE EASEMENT

CURVE DATA

PI STATION DELTA RADIUS TANGENT LENGTH SUPER
C 31+84.11 1°16'23.7" RT 8000.00' 88°11'18" W
C 32+73.00 1°03'26" E 8000.00' 88°11'18" W
C 33+61.88 PT
C 34+71.82 (73.38' LT)
C 34+75.50 (77.76' LT)
C 34+79.56 (80.81' LT)
C 34+80.78 (82.17' LT)

SCALE IN FEET

0 20 40

PORT OF TACOMA RD EASEMENT

EXISTING SLOPE

34+71.82 (73.38' LT)
34+75.50 (77.76' LT)
34+79.56 (80.81' LT)
34+80.78 (82.17' LT)

CITY OF TACOMA RD

C 34+47.56 (70.50' RT)
C 34+53.19 (74.72' RT)
C 34+63.19 (85.24' RT)
C 34+88.17 (96.81' LT)
C 34+71.82 (73.38' LT)
C 34+75.50 (77.76' LT)
C 34+79.56 (80.81' LT)
C 34+80.78 (82.17' LT)

CITY OF TACOMA RD

C 37+21.01 PFD

P.I. STATION DELTA RADIUS TANGENT LENGTH SUPER
C 31+84.11 1°16'23.7" RT 8000.00' 88°11'18" W
C 32+73.00 1°03'26" E 8000.00' 88°11'18" W
C 33+61.88 PT
C 34+71.82 (73.38' LT)
C 34+75.50 (77.76' LT)
C 34+79.56 (80.81' LT)
C 34+80.78 (82.17' LT)

SCALE IN FEET

0 20 40