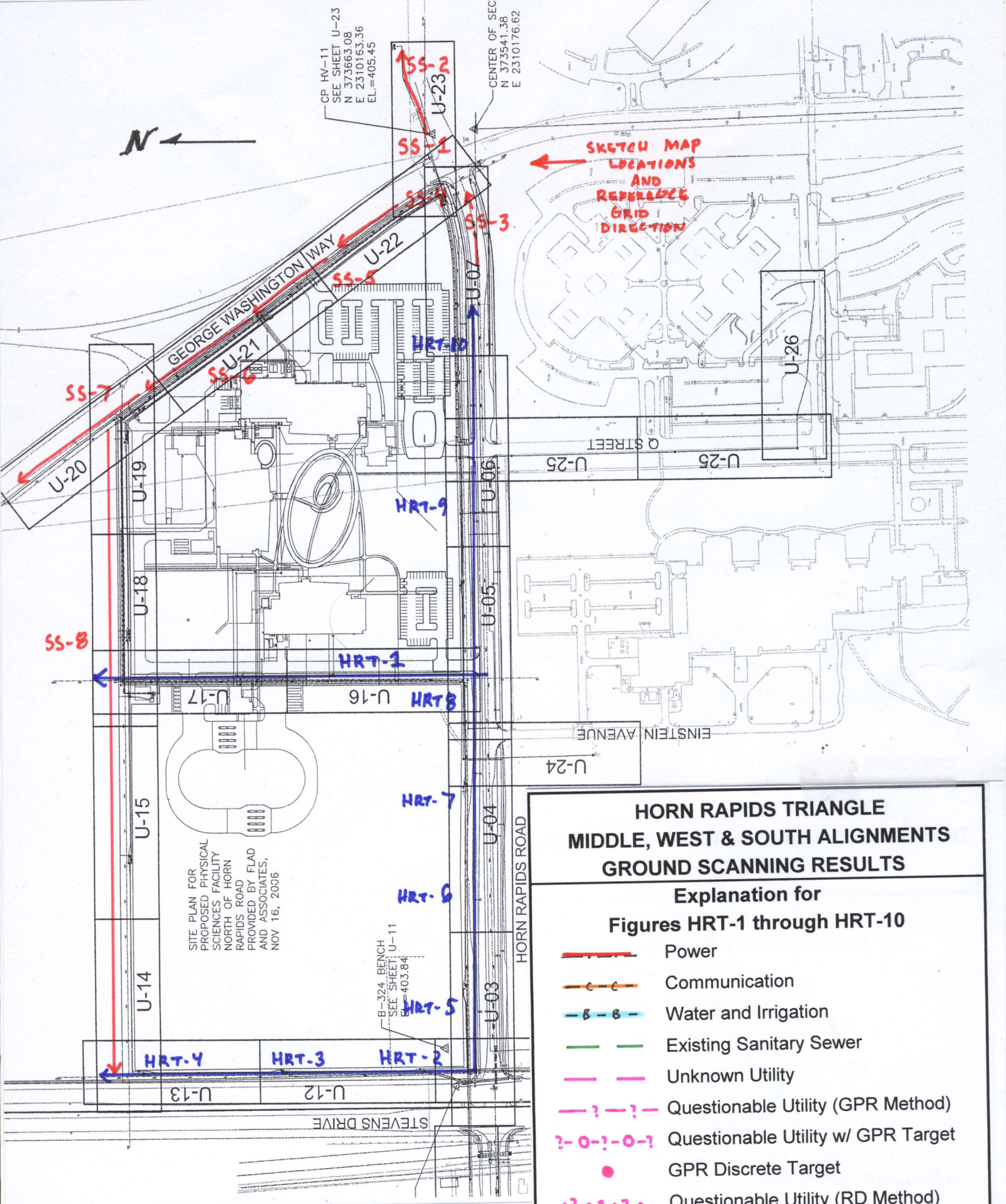


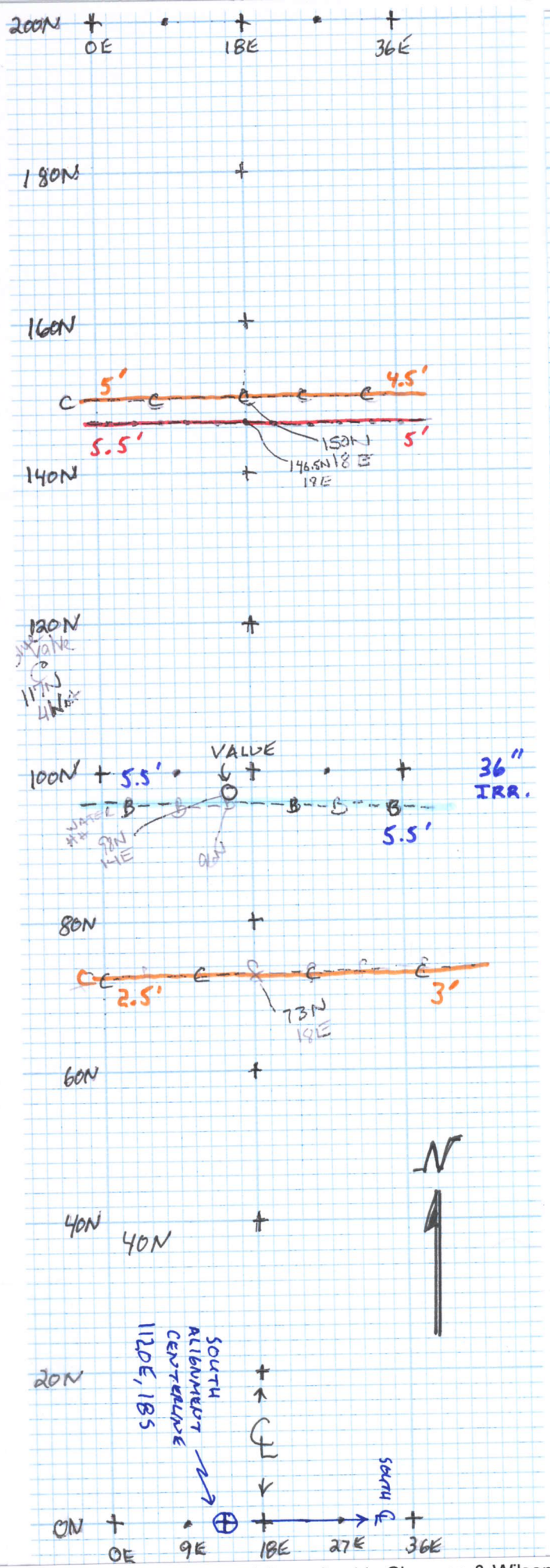
HORN RAPIDS TRIANGLE
MIDDLE, WEST & SOUTH ALIGNMENTS
GROUND SCANNING RESULTS

Explanation for Figures HRT-1 through HRT-10

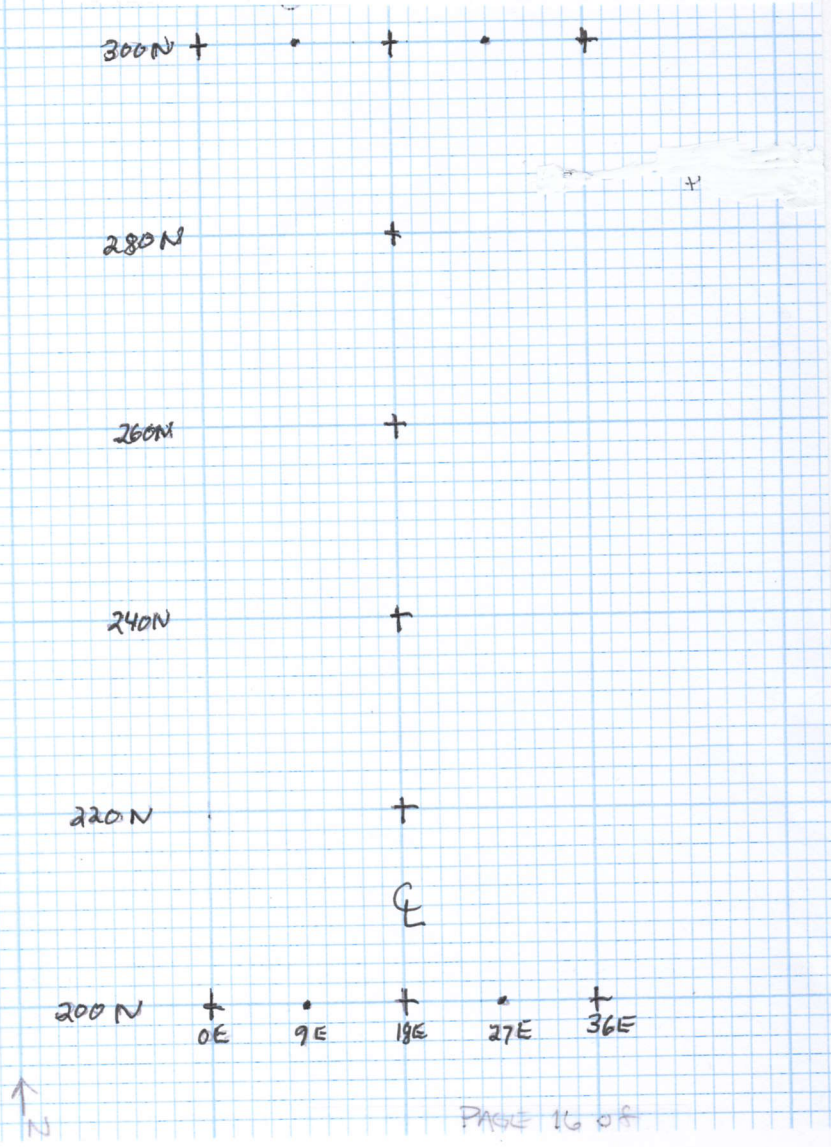
- Power
- Communication
- Water and Irrigation
- Existing Sanitary Sewer
- Unknown Utility
- Questionable Utility (GPR Method)
- Questionable Utility w/ GPR Target
- GPR Discrete Target
- Questionable Utility (RD Method)

Depths in feet are approximate to tops of features.

Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 20, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

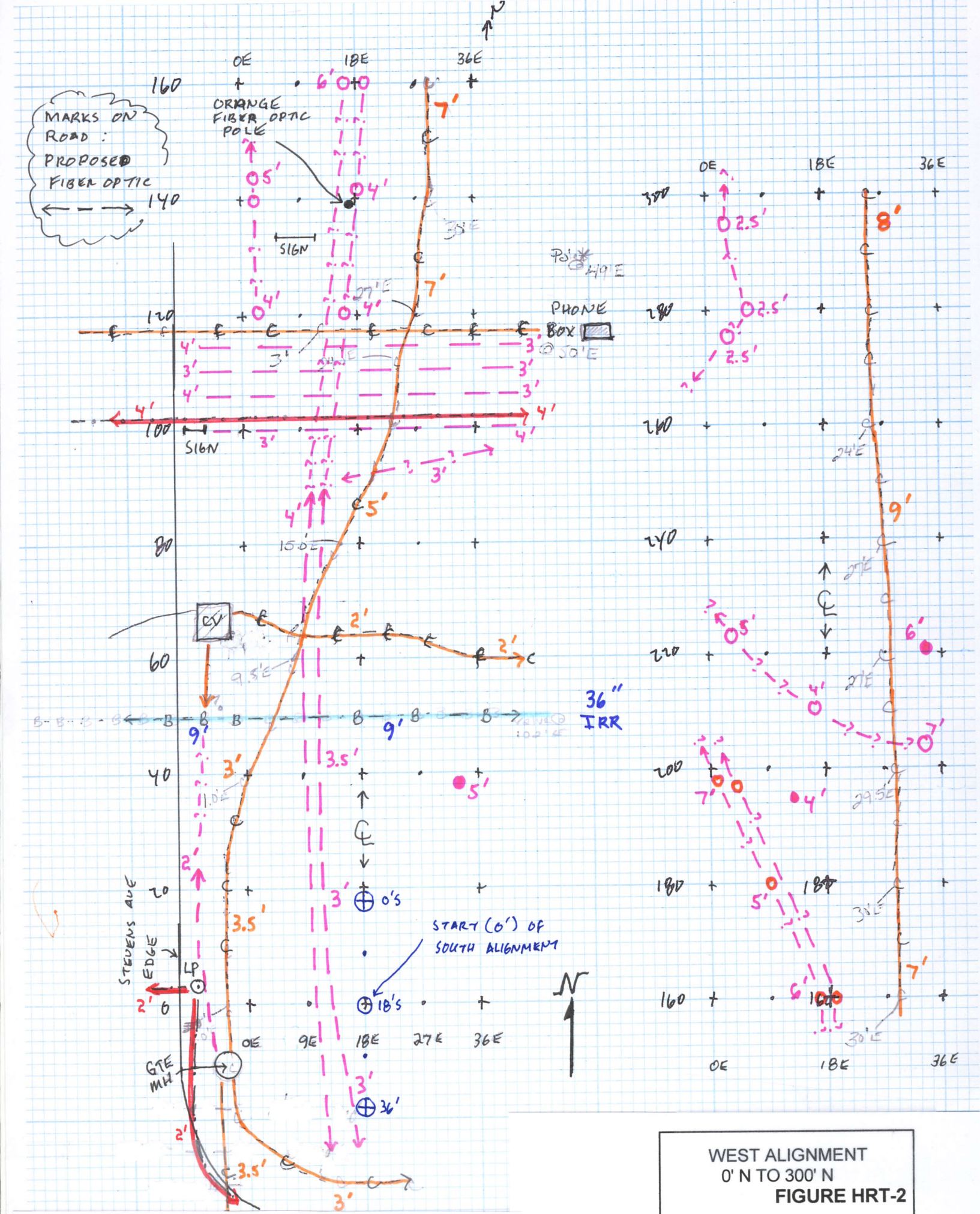


END of Middle Alignment at 980' North
No Features between 300' N and 980' N.



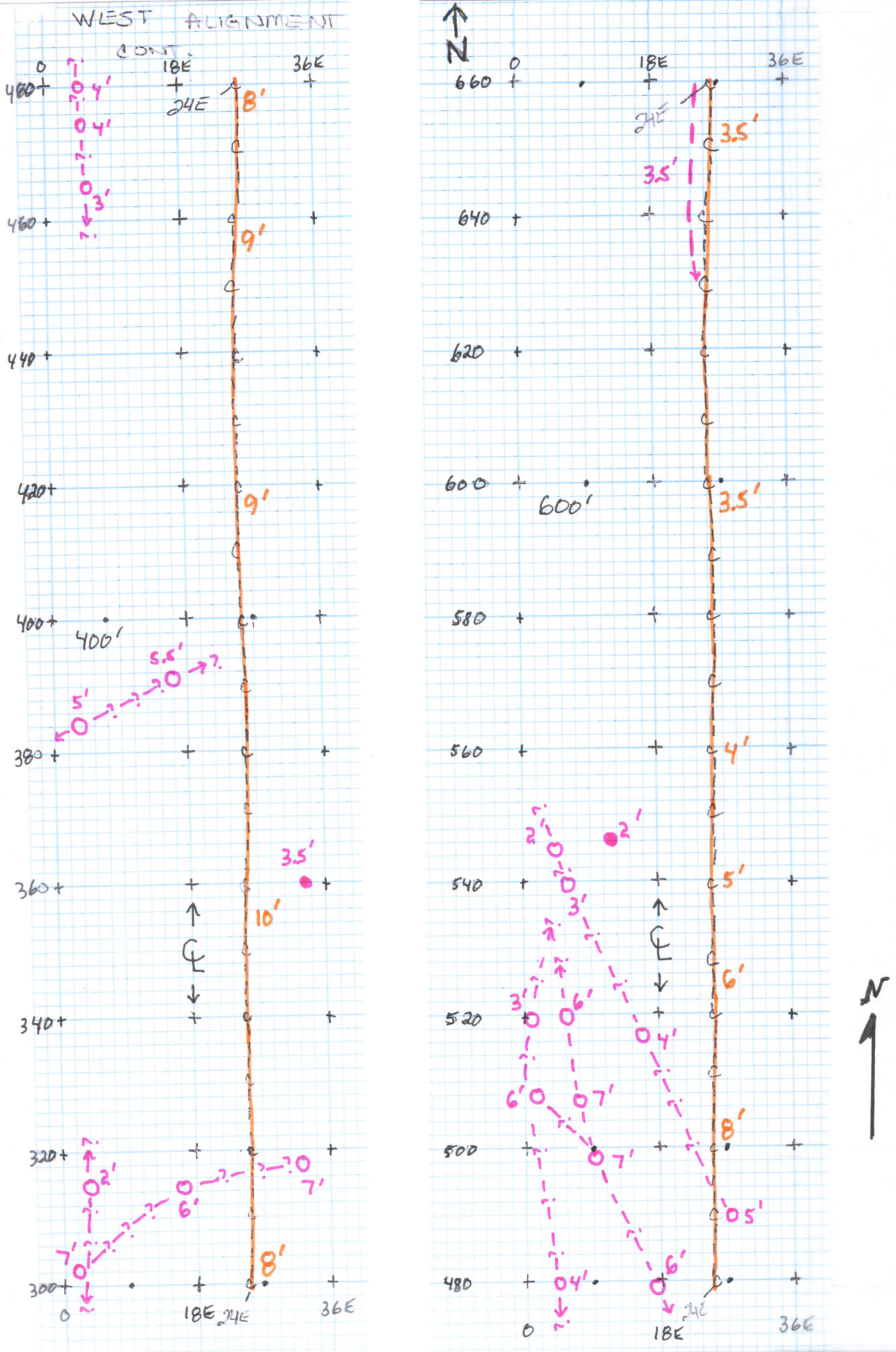
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

MIDDLE ALIGNMENT
0' N TO 980' N
FIGURE HRT-1



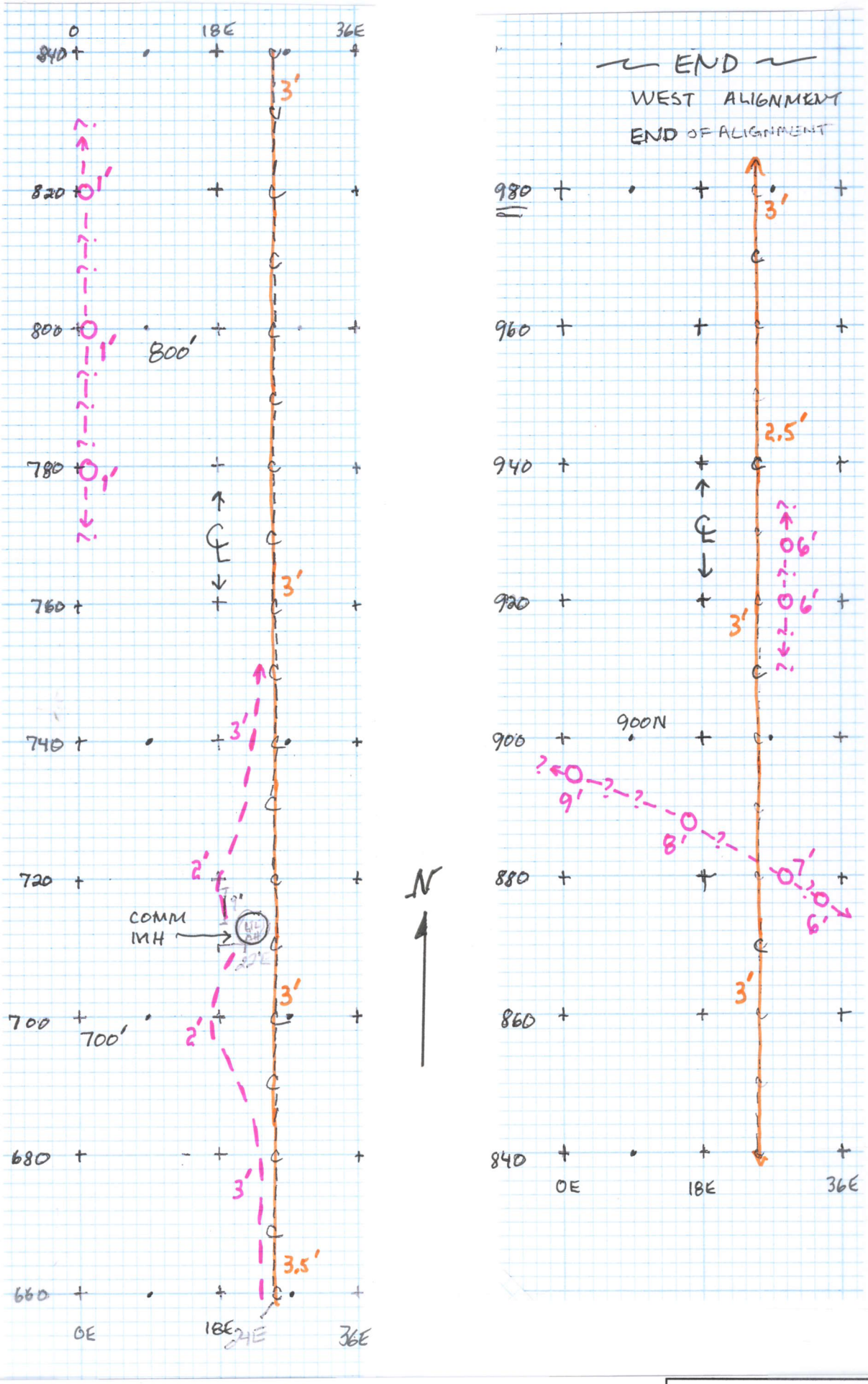
WEST ALIGNMENT
0' N TO 300' N
FIGURE HRT-2

Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA



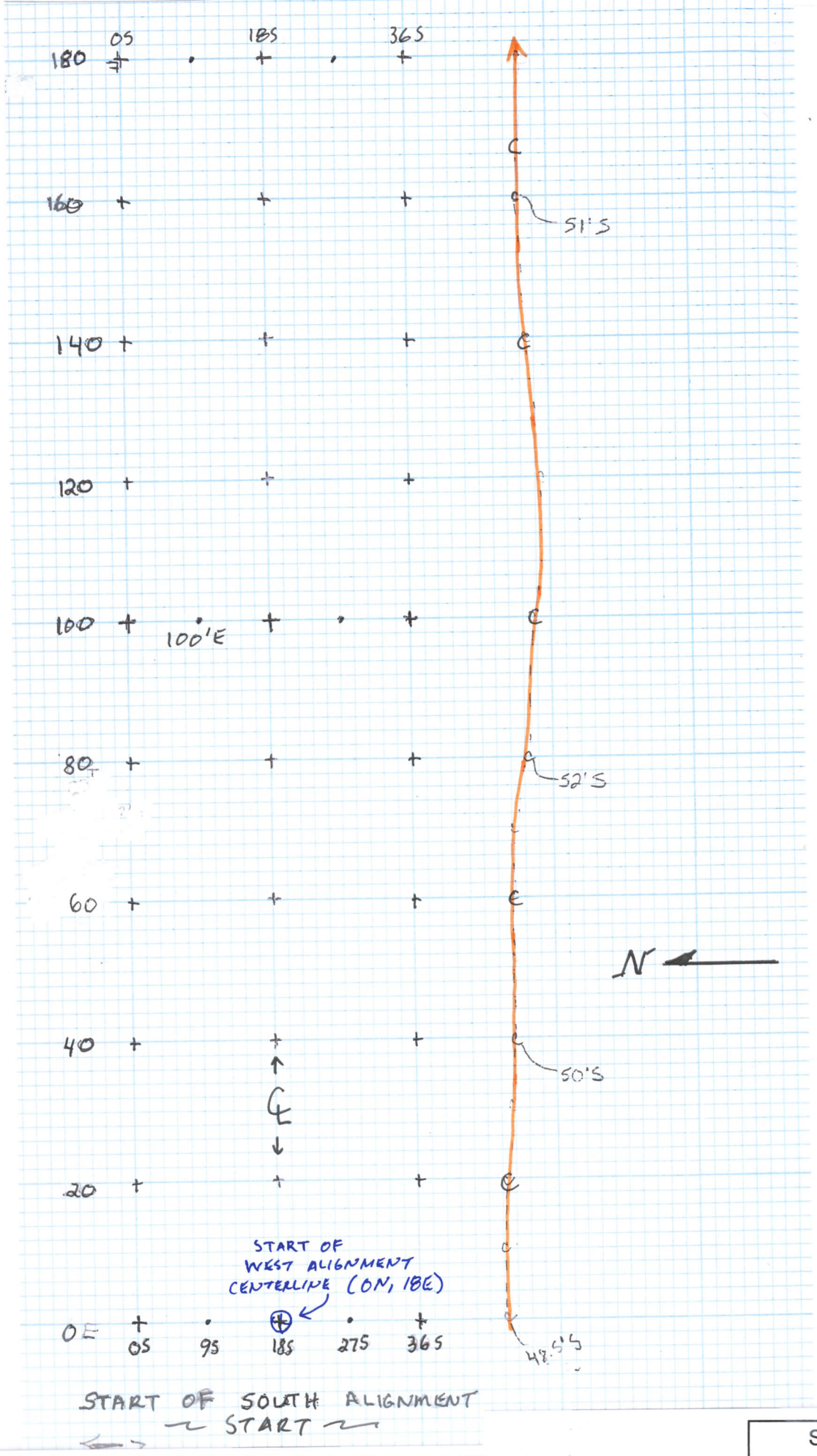
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

WEST ALIGNMENT
300' N TO 660' N
FIGURE HRT-3



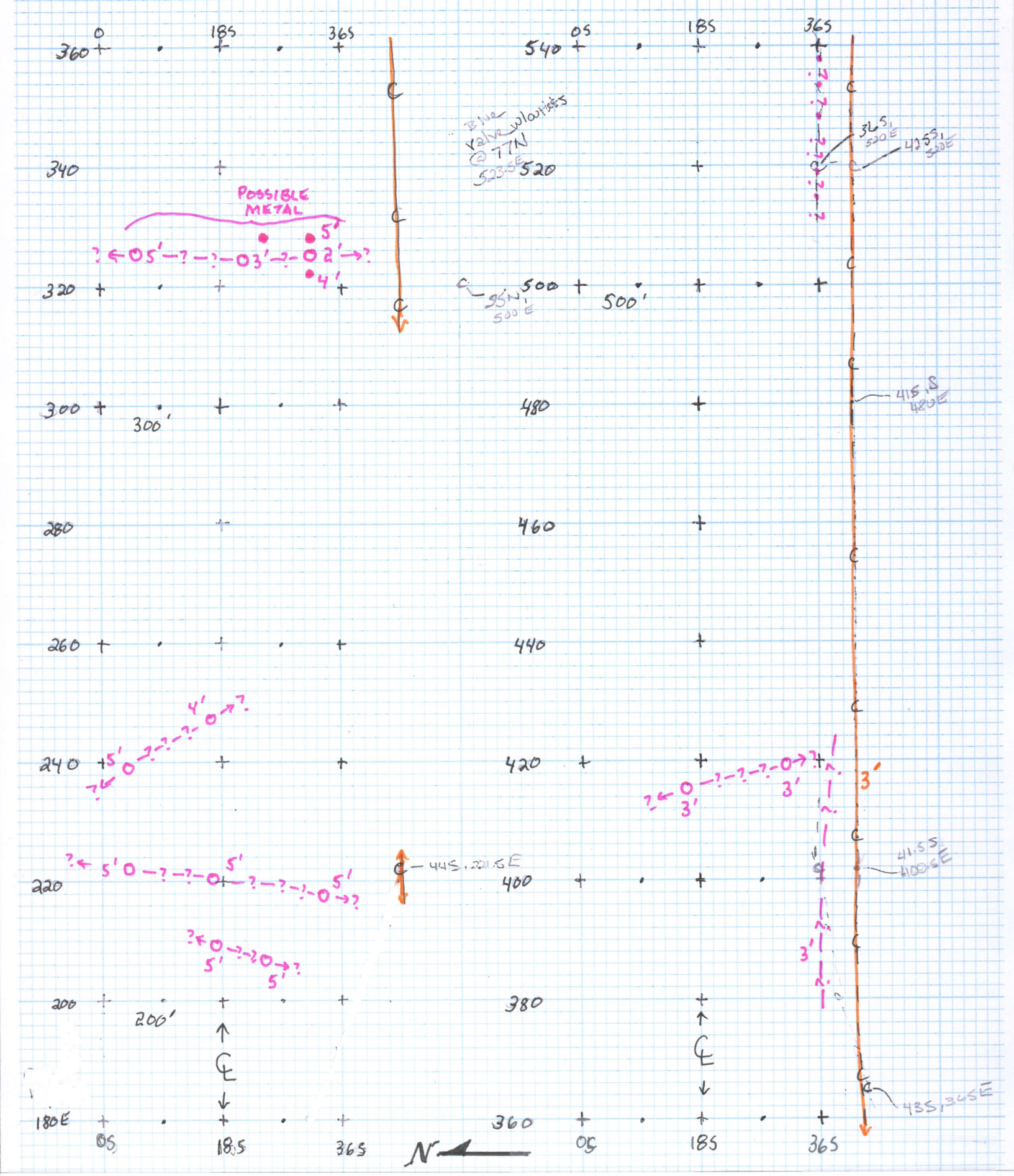
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

WEST ALIGNMENT
660' N TO 980' N
FIGURE HRT-4



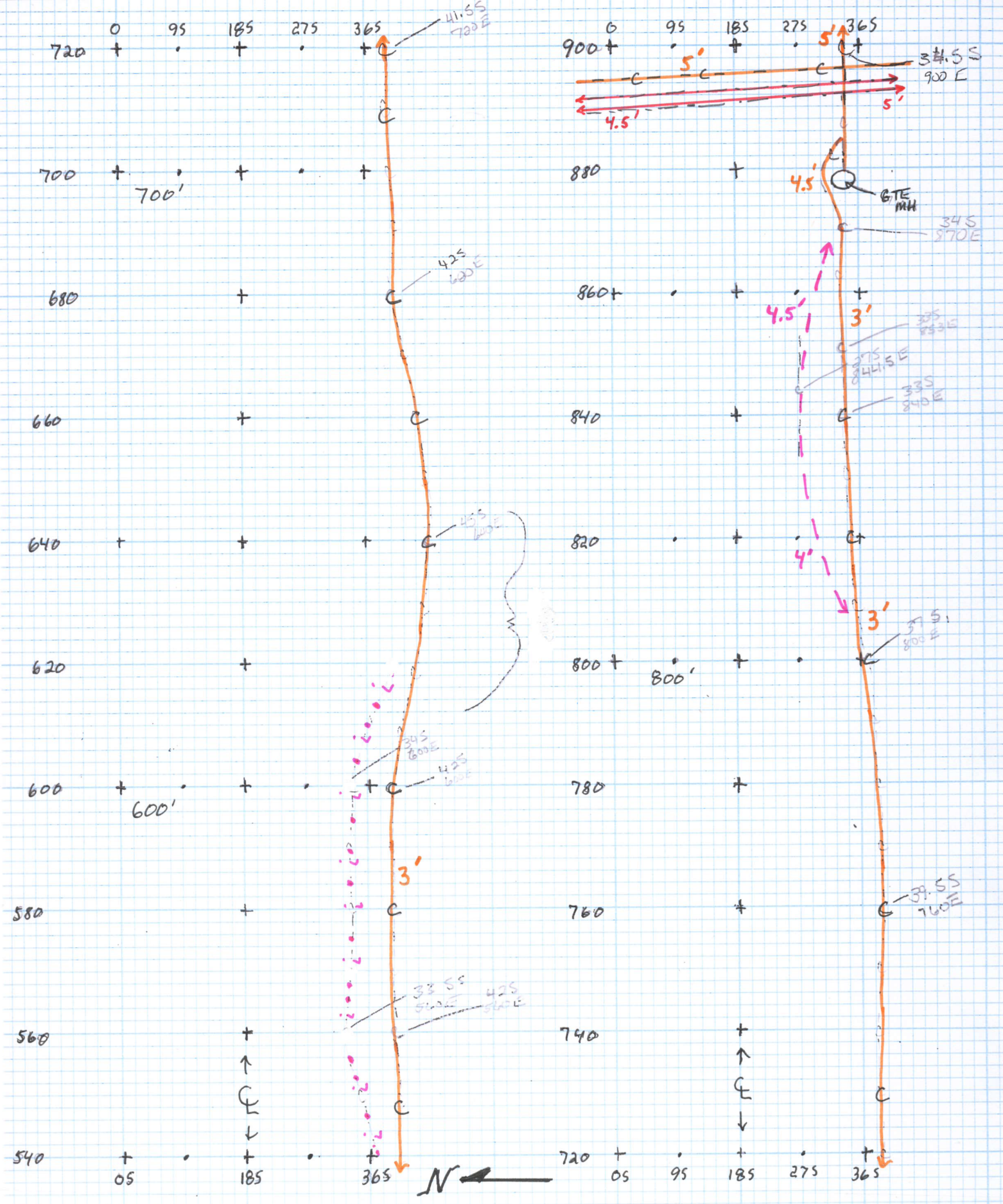
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

SOUTH ALIGNMENT
0' E TO 180' E
FIGURE HRT-5



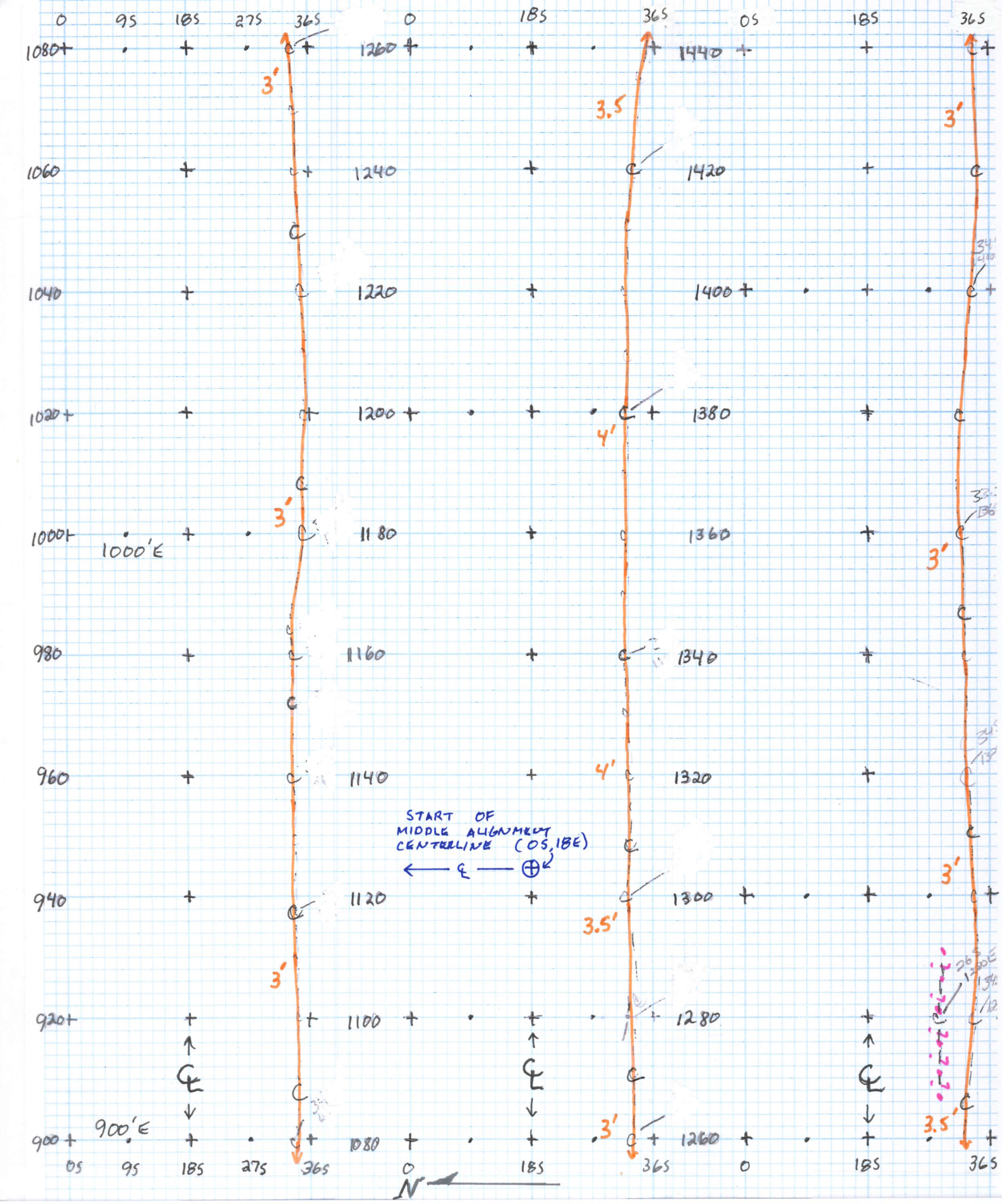
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

SOUTH ALIGNMENT
180' E TO 540' E
FIGURE HRT-6



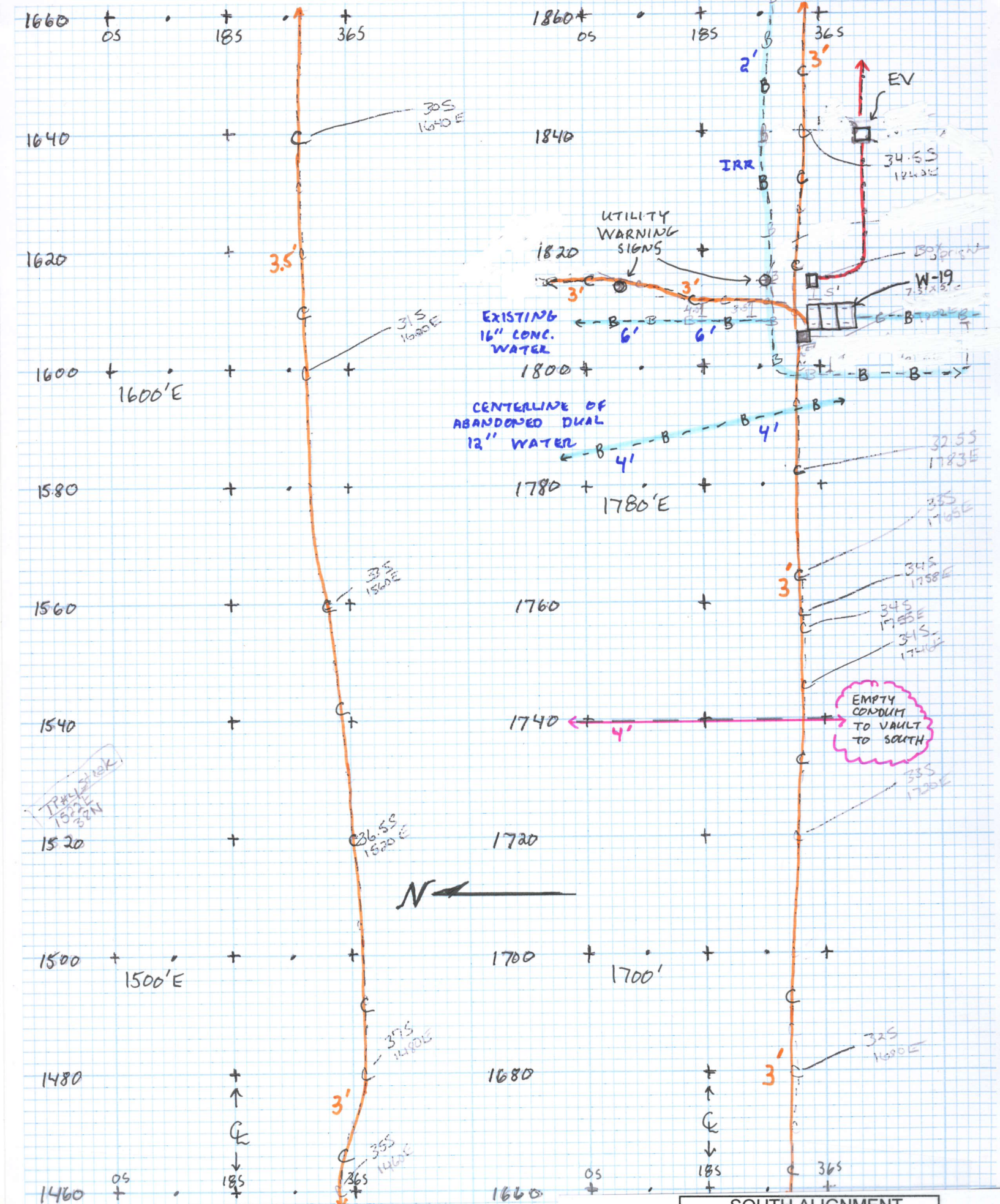
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

SOUTH ALIGNMENT
540' E TO 900' E
FIGURE HRT-7



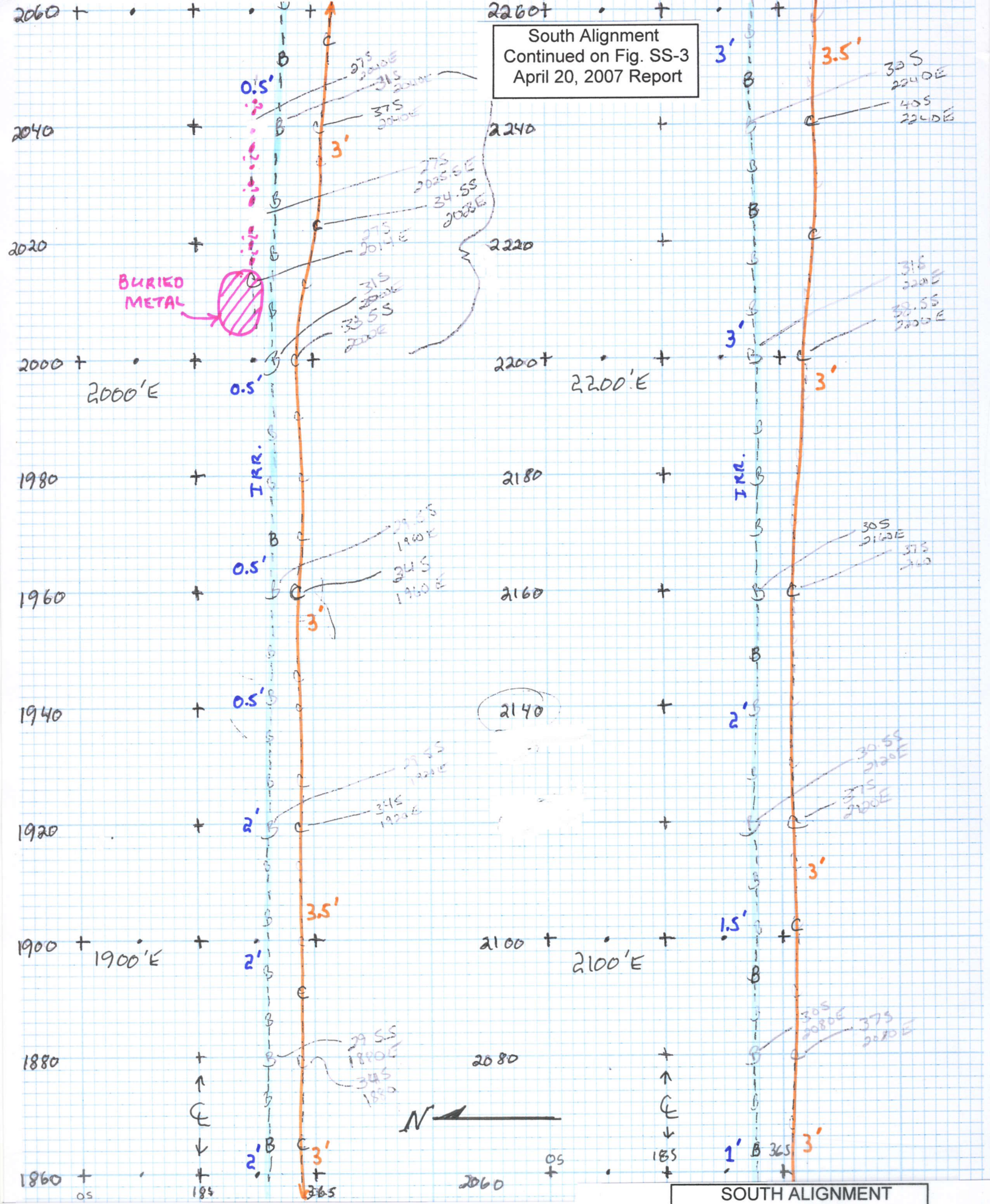
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

SOUTH ALIGNMENT
900' E TO 1440' E
FIGURE HRT-8



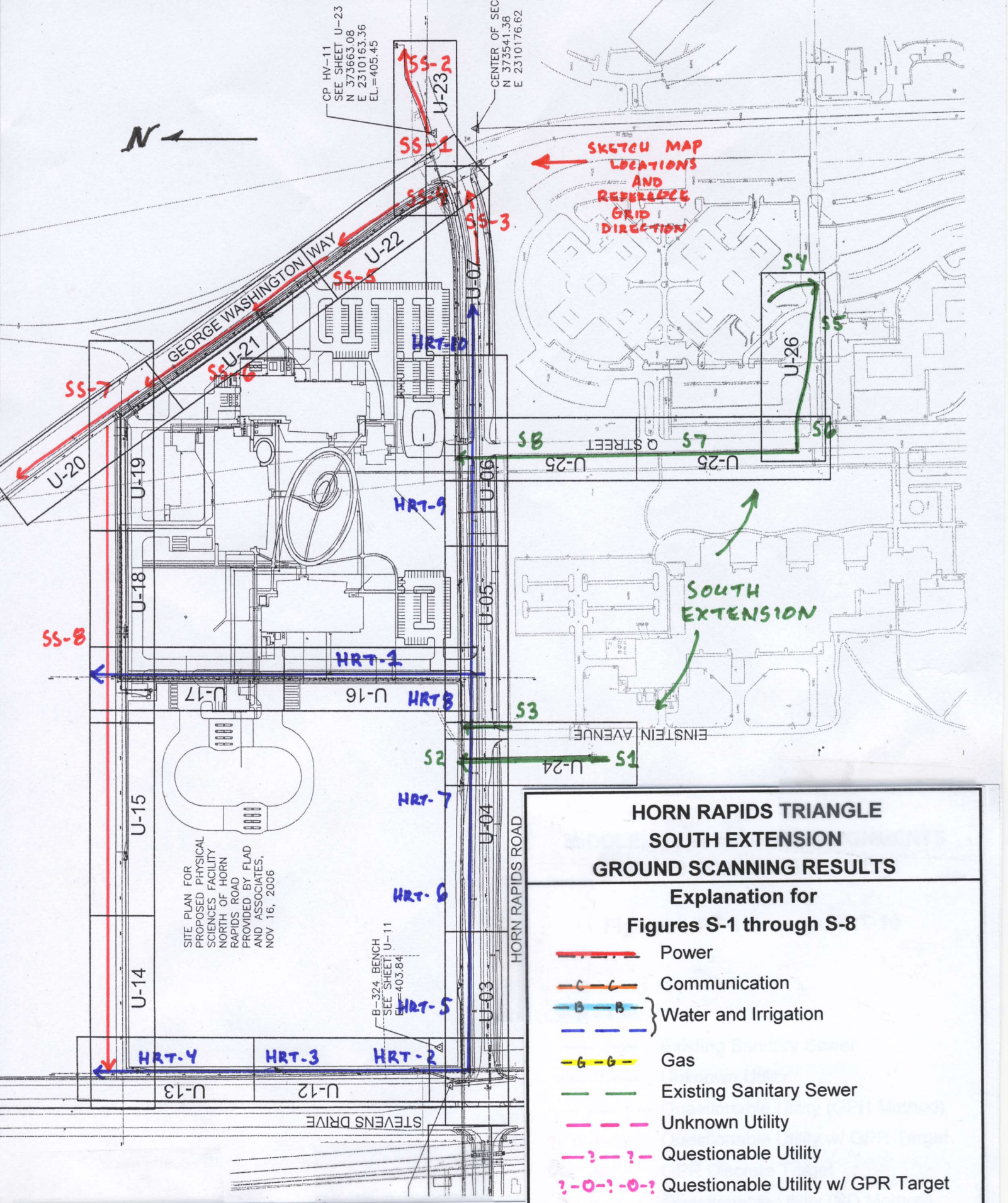
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

SOUTH ALIGNMENT
1460' E TO 1860' E
FIGURE HRT-9



Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 27, 2007 , Job 772-07, Horn Rapids Triangle, Richland, WA

SOUTH ALIGNMENT
1860' E TO 2260' E
FIGURE HRT-10



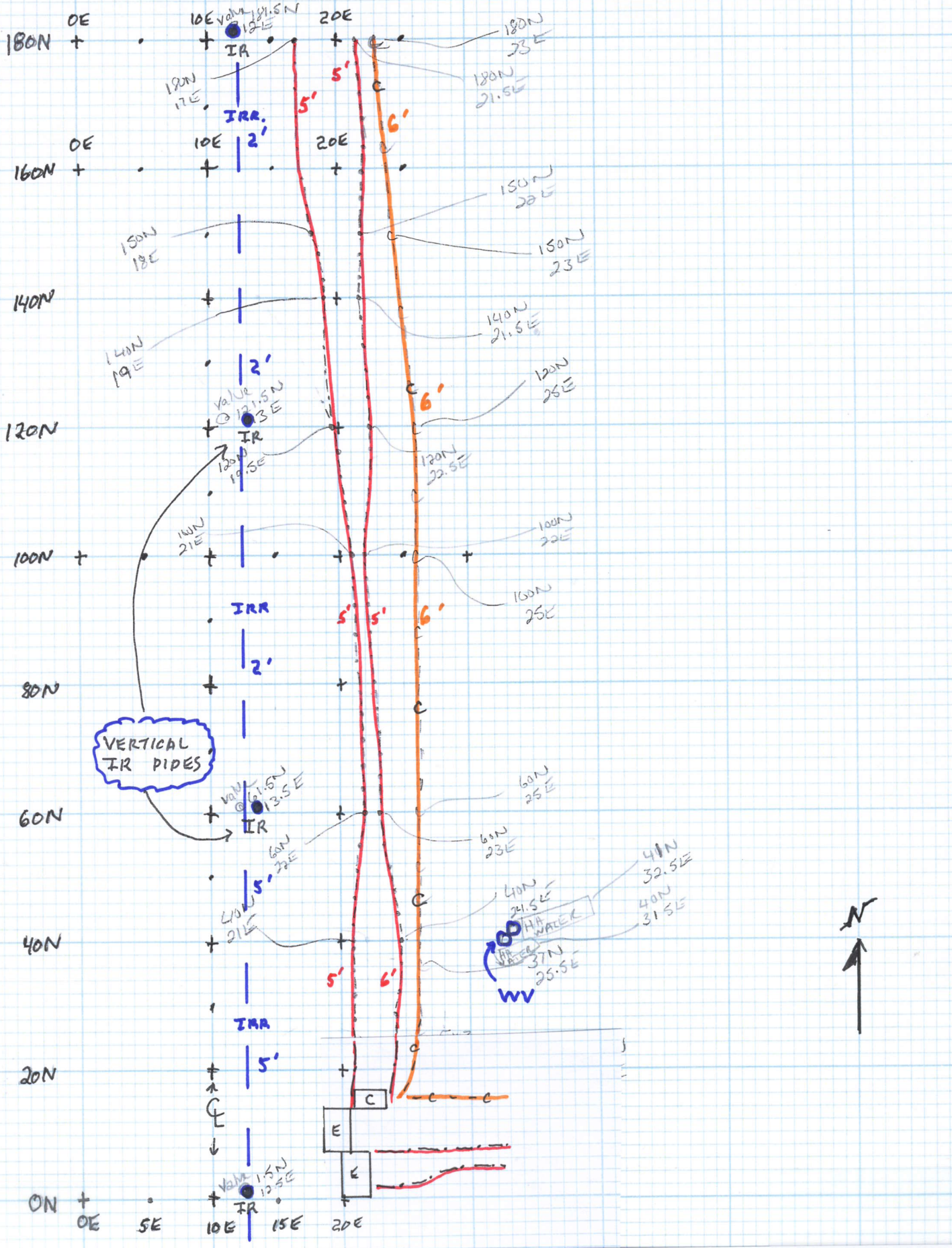
HORN RAPIDS TRIANGLE
SOUTH EXTENSION
GROUND SCANNING RESULTS

Explanation for
Figures S-1 through S-8

- Power
- Communication
- Water and Irrigation
- Gas
- Existing Sanitary Sewer
- Unknown Utility
- Questionable Utility
- Questionable Utility w/ GPR Target
- GPR Discrete Target

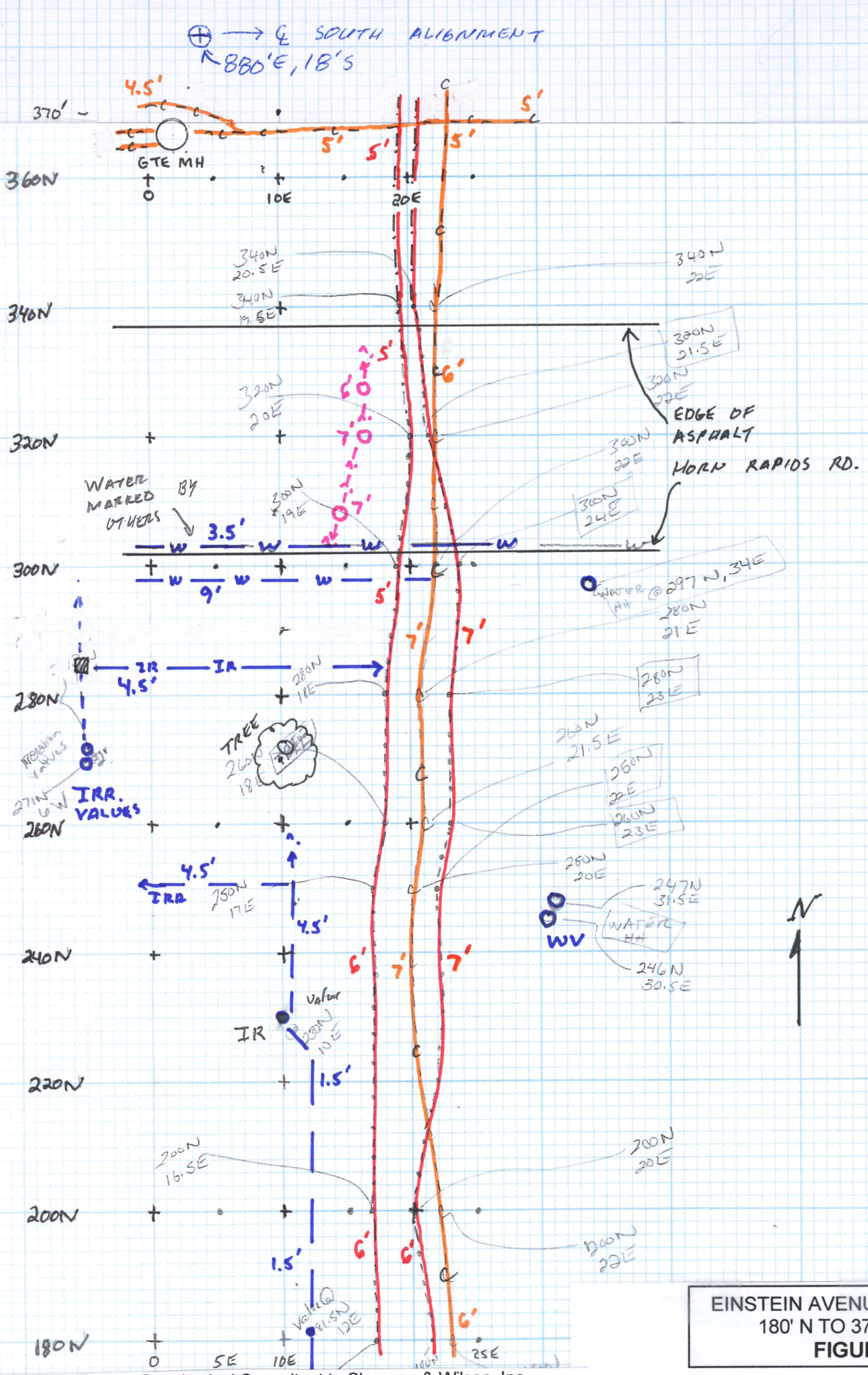
Depths in feet are approximate to tops of features.

Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA



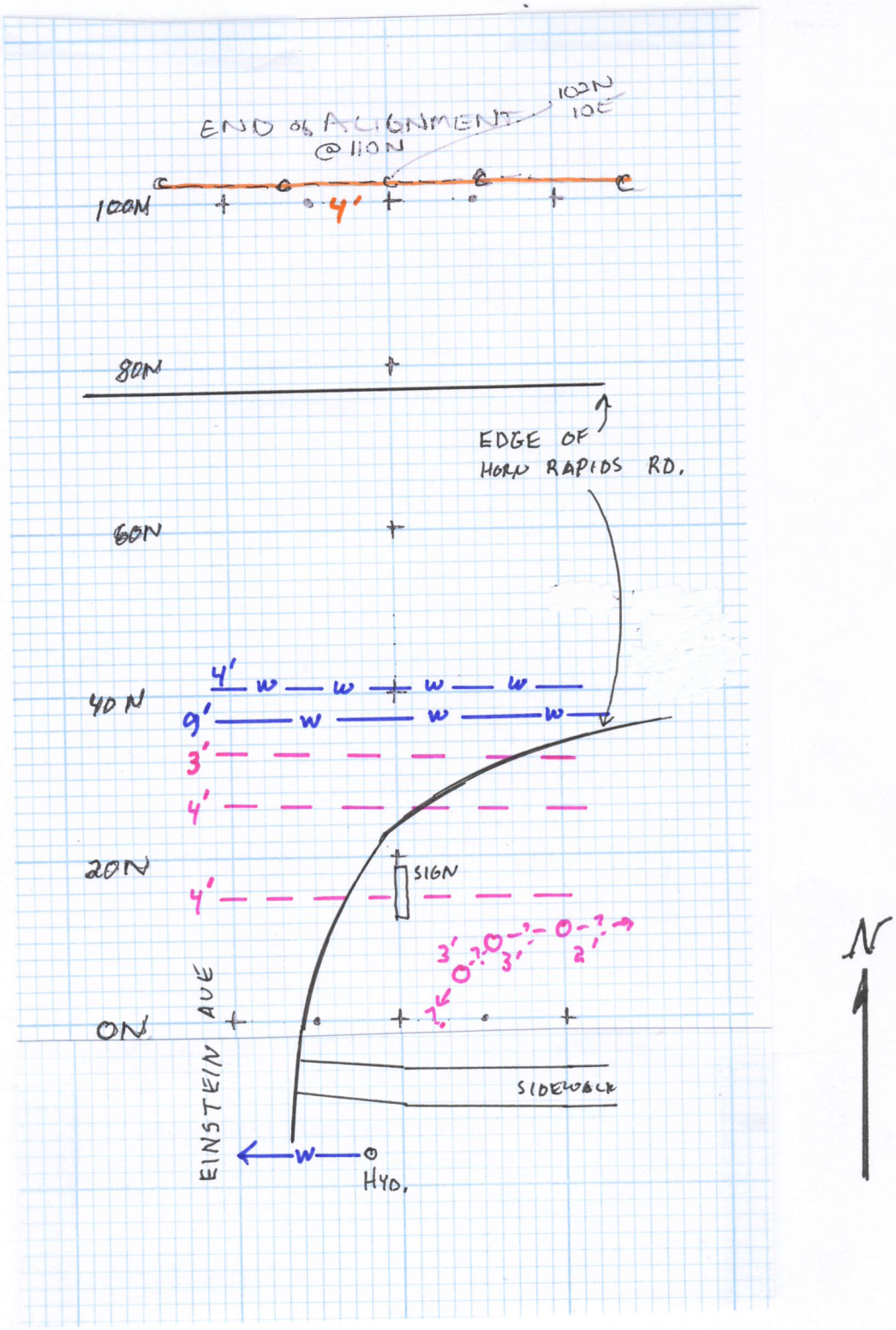
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

EINSTEIN AVENUE WEST
0' N TO 180' N
FIGURE S-1



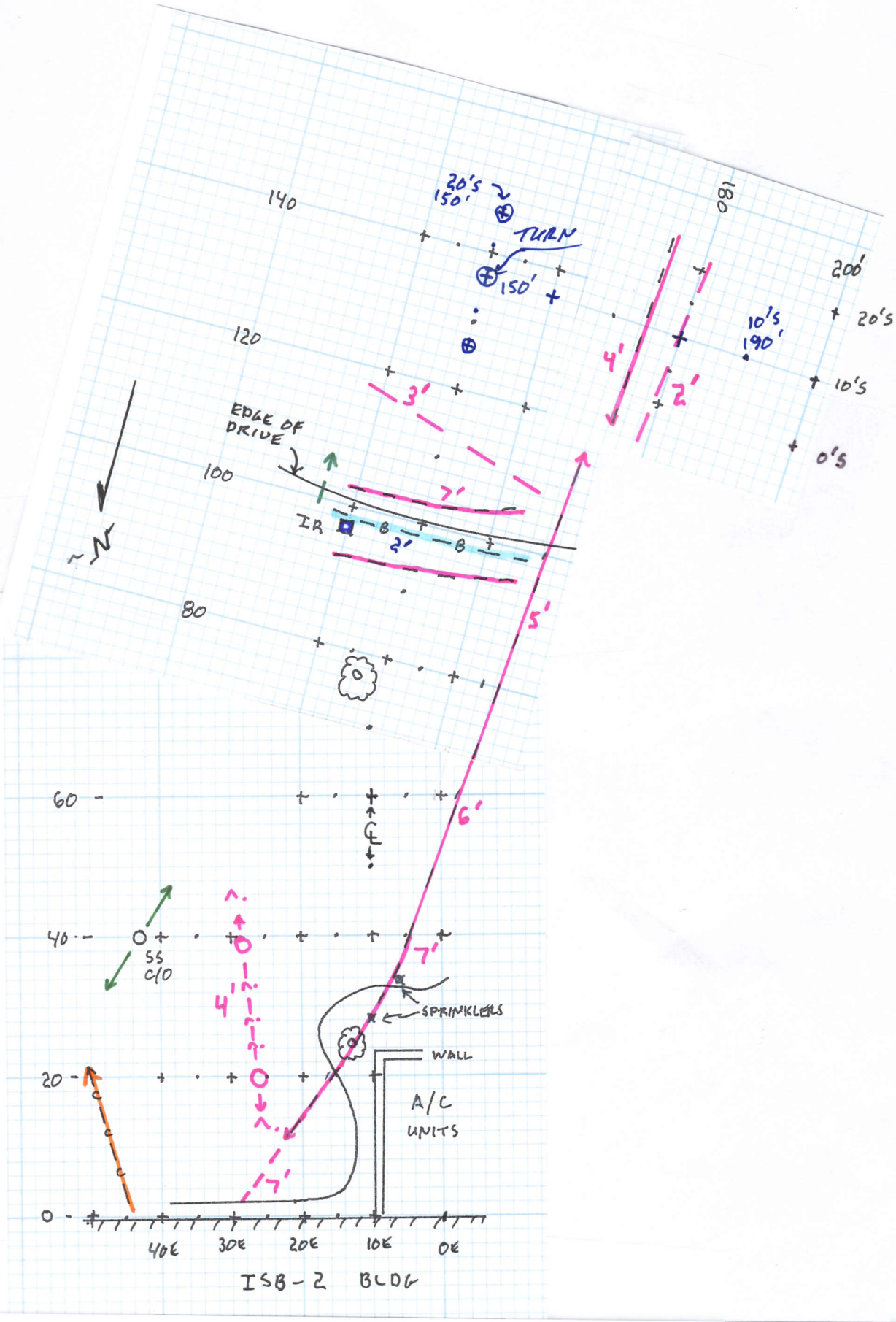
EINSTEIN AVENUE WEST
180' N TO 370' N
FIGURE S-2

Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA



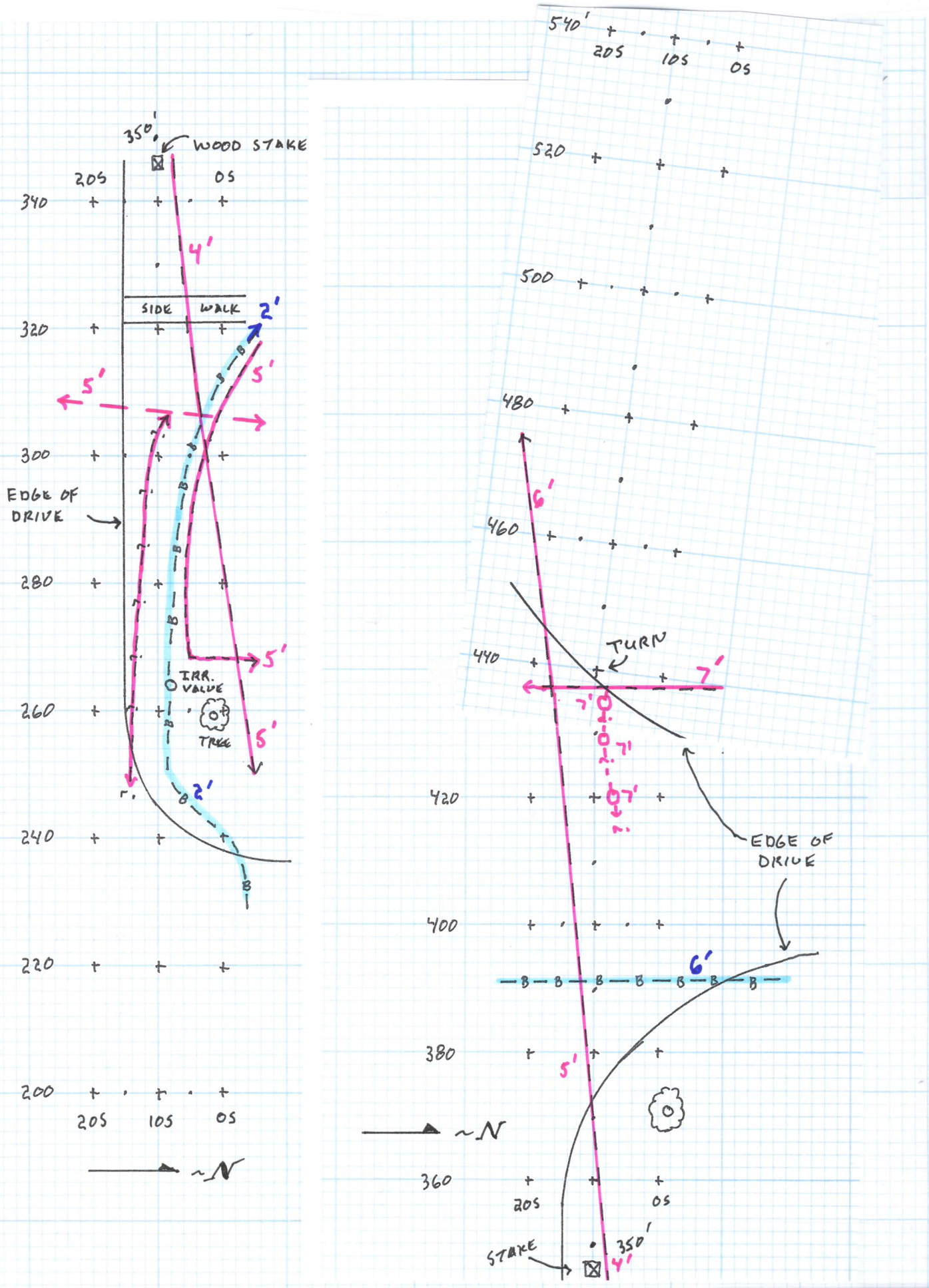
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

EINSTEIN AVENUE EAST
0' N TO 110' N
FIGURE S-3



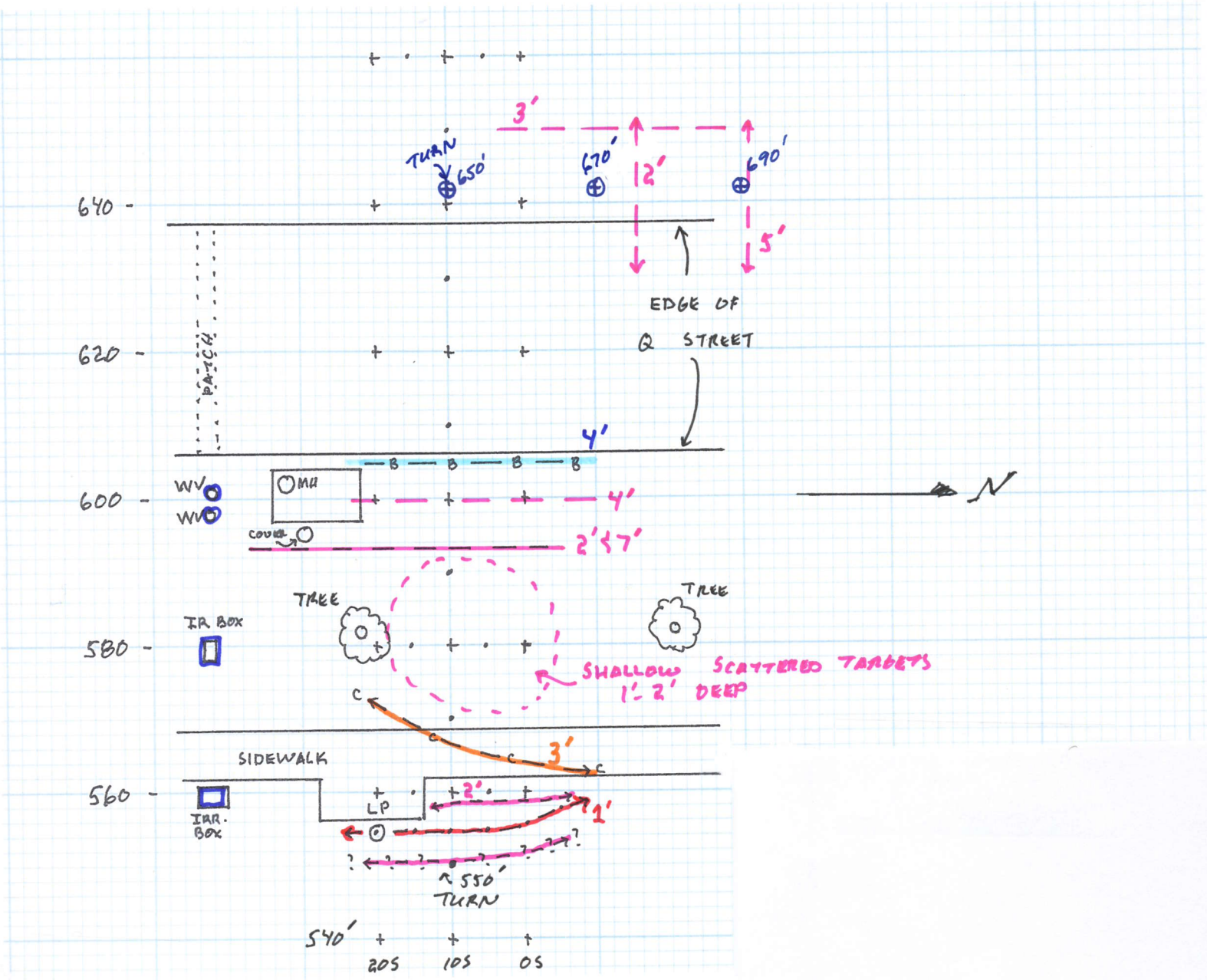
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

ISB-2 and Q STREET
0' N TO 200' N
FIGURE S-4



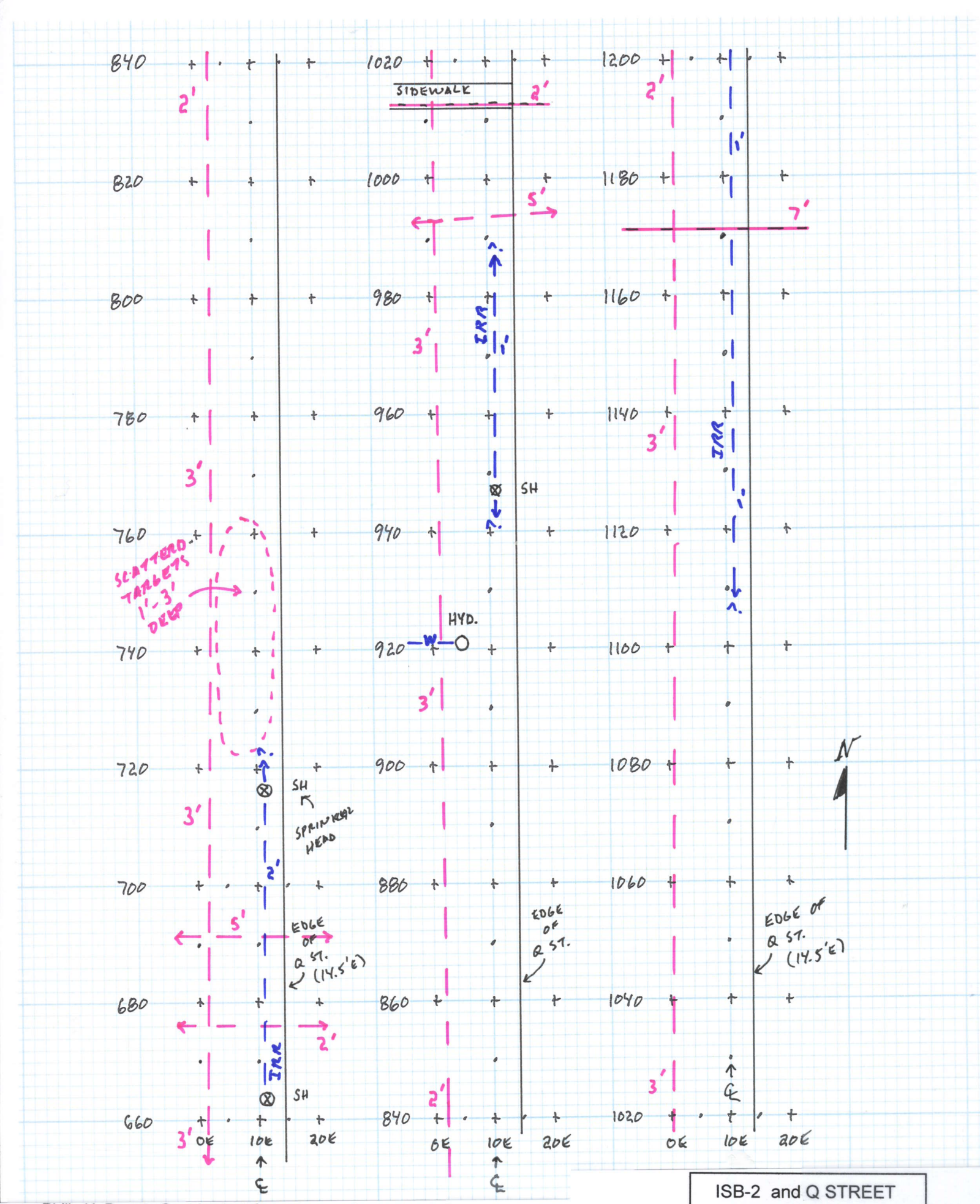
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

ISB-2 and Q STREET
200' N TO 540 N
FIGURE S-5



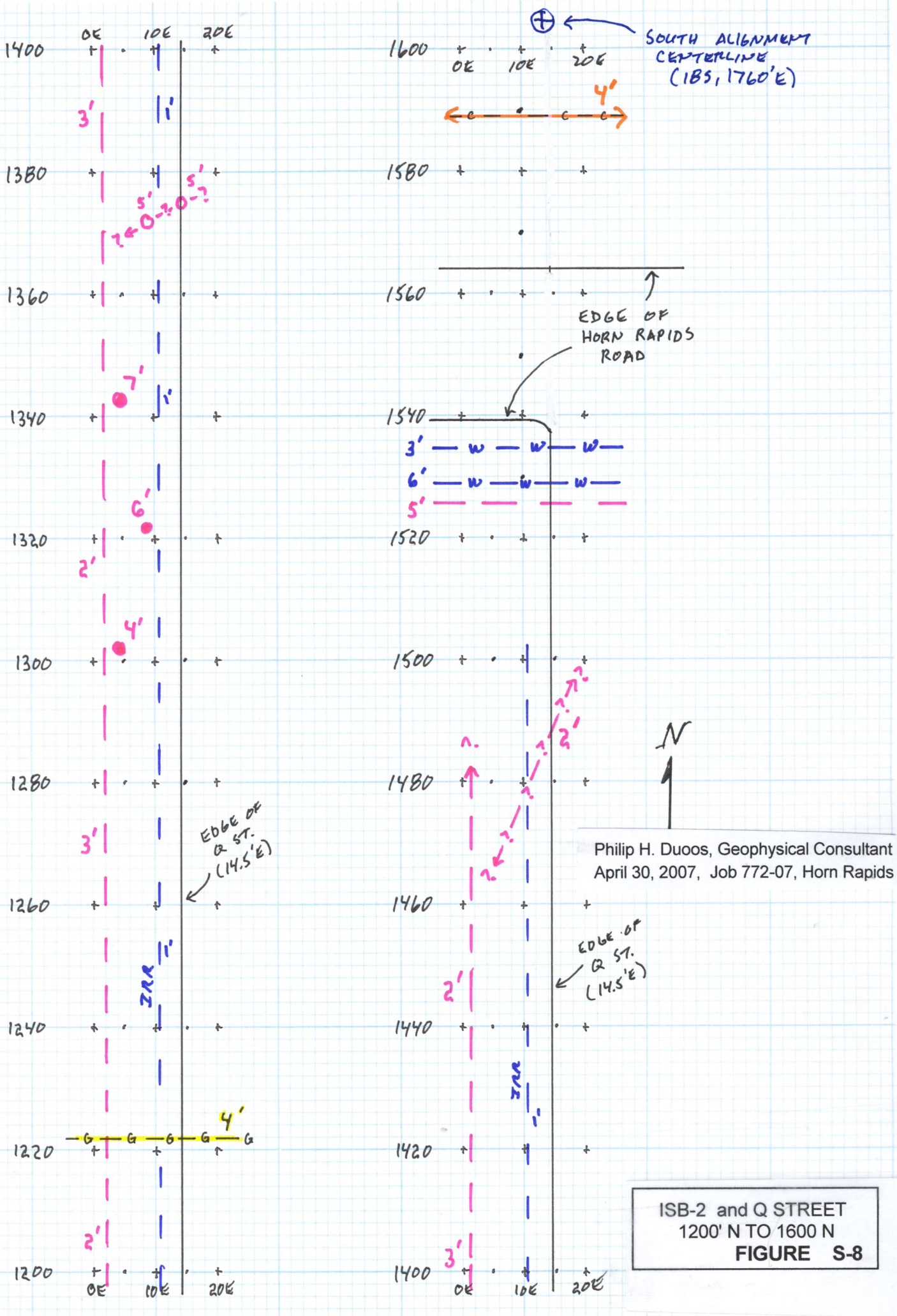
Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

ISB-2 and Q STREET
540' N TO 690' N
FIGURE S-6



Philip H. Duoos, Geophysical Consultant to Shannon & Wilson, Inc.
April 30, 2007, Job 772-07, Horn Rapids Triangle, Richland, WA

ISB-2 and Q STREET
660' N TO 1200 N
FIGURE S-7



Philip H. Duoos, Geophysical Consultant
April 30, 2007, Job 772-07, Horn Rapids

ISB-2 and Q STREET
1200' N TO 1600 N
FIGURE S-8