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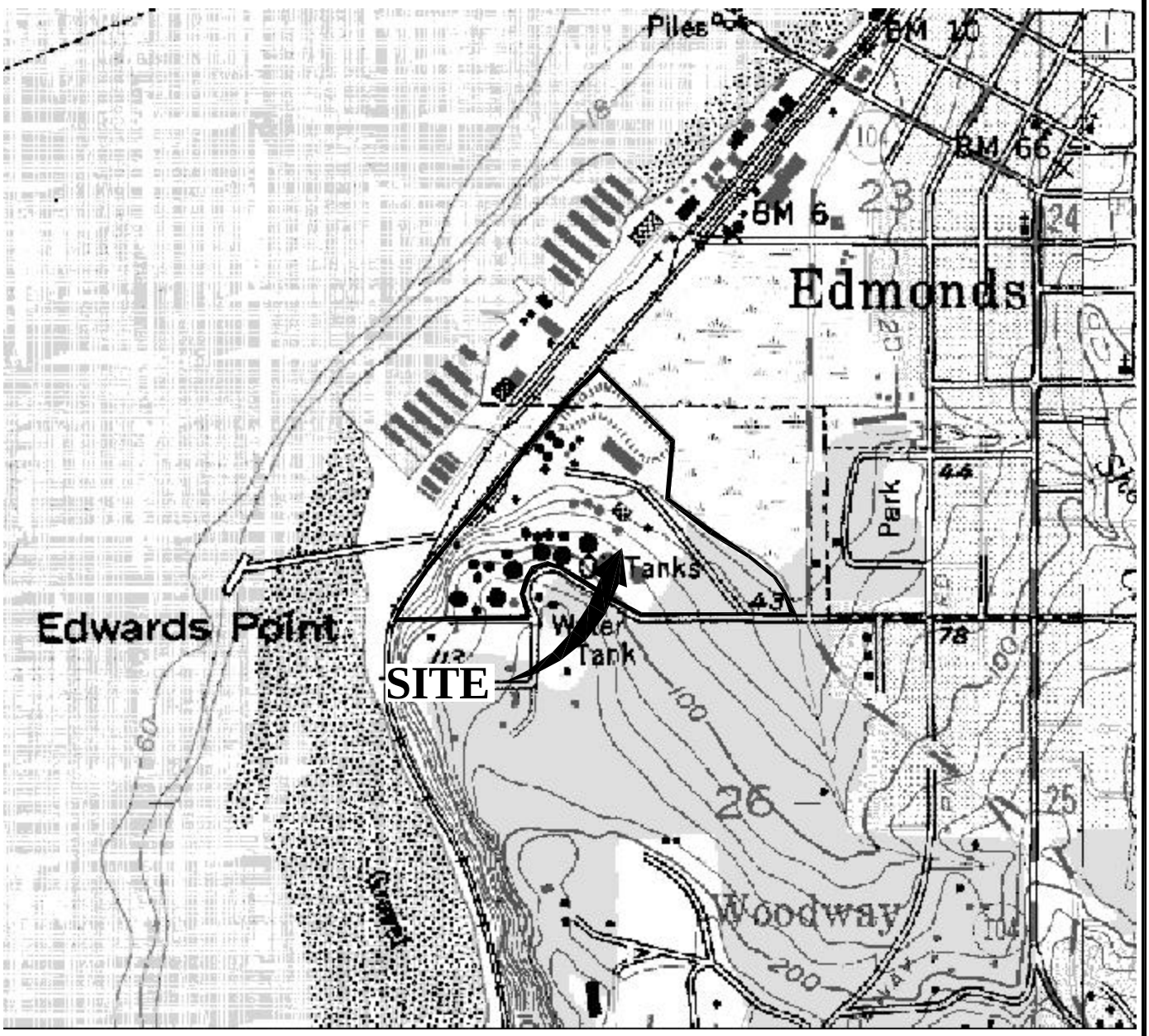

Base map prepared from DeLorme 3-D TopoQuads (1999).

0 1000 2000

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PROJECT NO.
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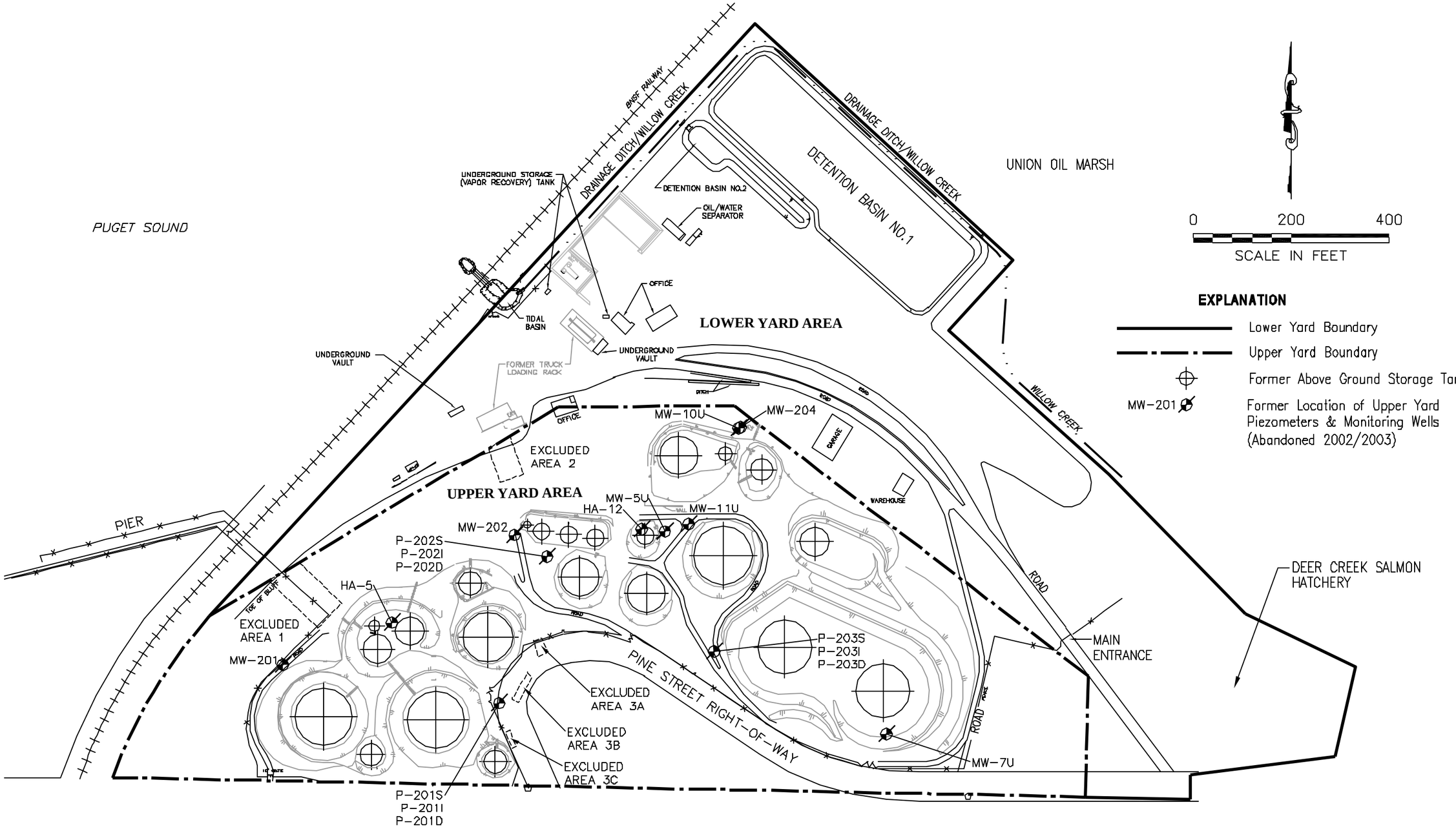
Figure 1-1
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

SITE LOCATION MAP

LAYOUT: 1



Source: Union Oil Company of California – Los Angeles, California. Site area study General Arrangement Edmonds Terminal – Edmonds, Washington. 10/12/92

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Figure 2-1
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

SITE PLAN

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-SITE PLAN.DWG Last edited: AUG. 26, 2003 @ 09:34 a.m. by: ayoung Xrefs: none black/white

LAYOUT: 1

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%C

LEGEND:

UPPER YARD BOUNDARY

TPH EXCAVATION AREA

FORMER SOIL BORING LOCATION

FORMER TEST PIT LOCATION

PERFORMANCE SAMPLE LOCATION

D-D1WALL-2 LOCATION AND DESIGNATION FOR NON-NODE SAMPLE

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED AT METHOD REPORTING LIMIT (MRL)

J = ESTIMATED VALUE

NOTES:

1) PRE-EXCAVATION TOPOGRAPHY IS SHOWN.

2) ALL CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).

3) ANALYTICAL RESULTS FOR PERFORMANCE SAMPLES COLLECTED AT EACH GRID NODE ARE LISTED TO THE SIDE OF THE NODE LOCATION, UNLESS OTHERWISE NOTED.

4) MRL FOR GRO = 5.00 mg/kg
MRL FOR DRO = 10.00 mg/kg
MRL FOR HO = 25.00 mg/kg

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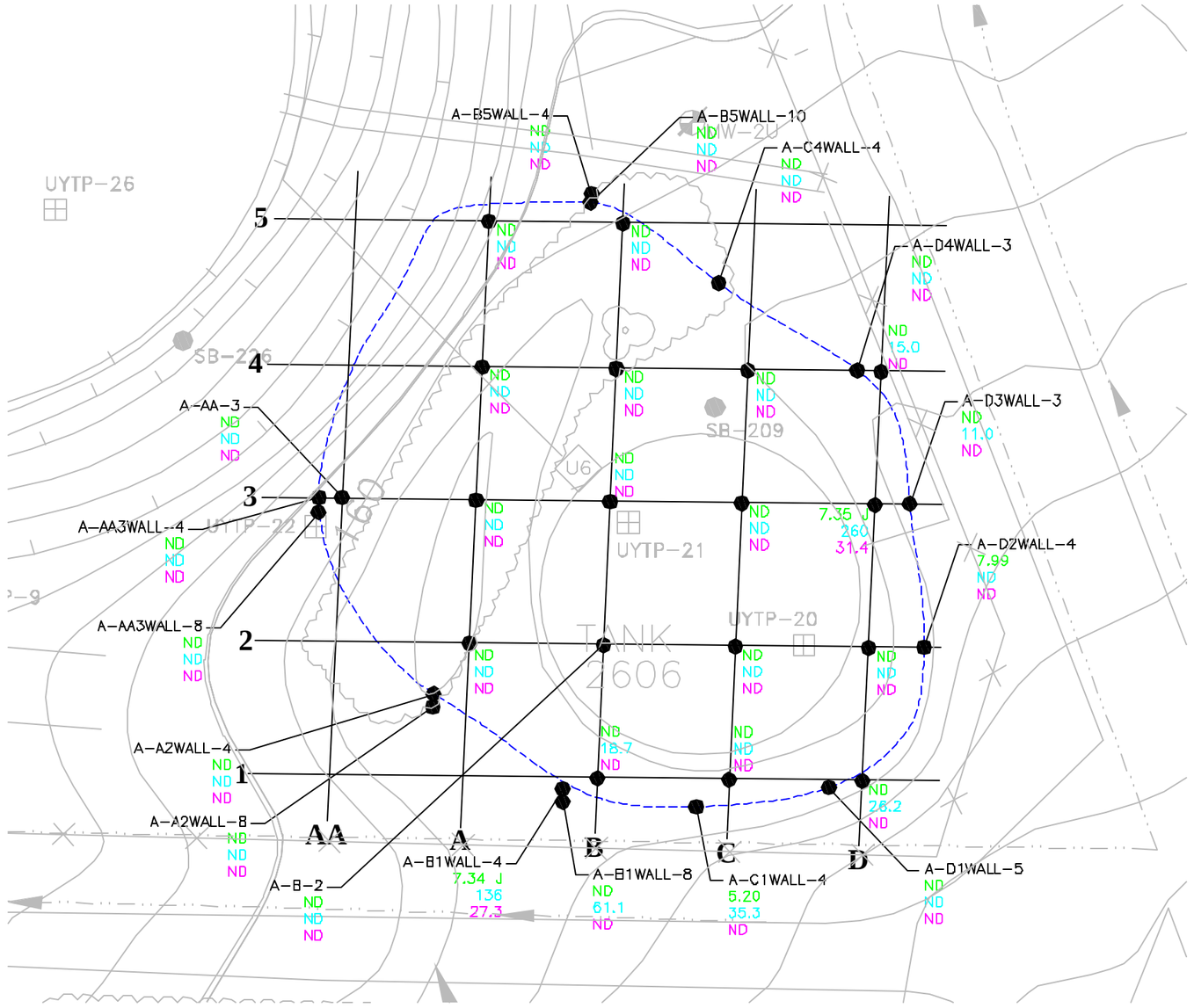
Figure 5-1
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

LEGEND & NOTES

LAYOUT: Legend



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

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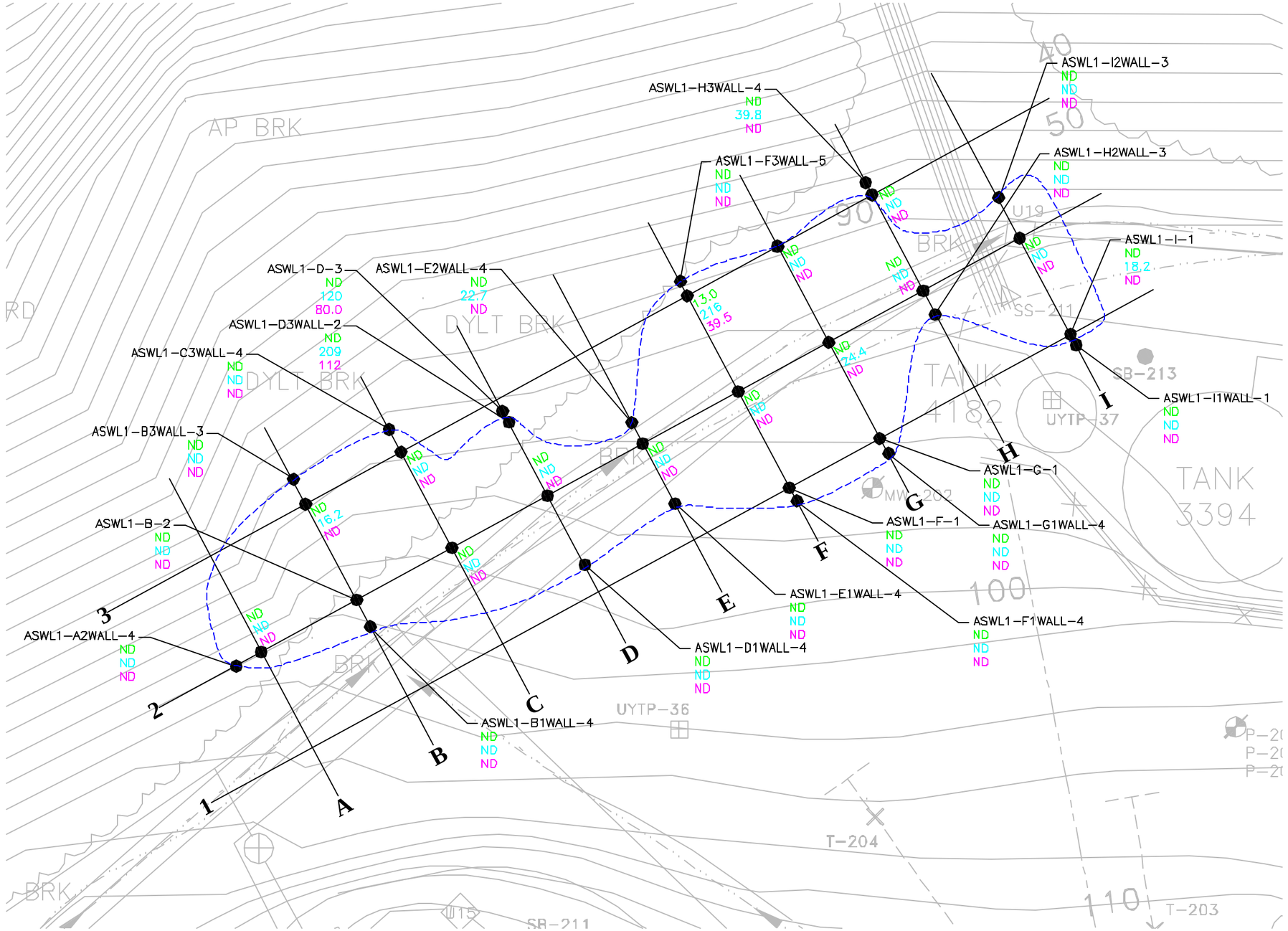
Figure 5-2
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA A (BASIN 2606)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: A



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

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Figure 5-3
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA ASWL1 (ASPHALT SWALE 1)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: ASWL1

LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

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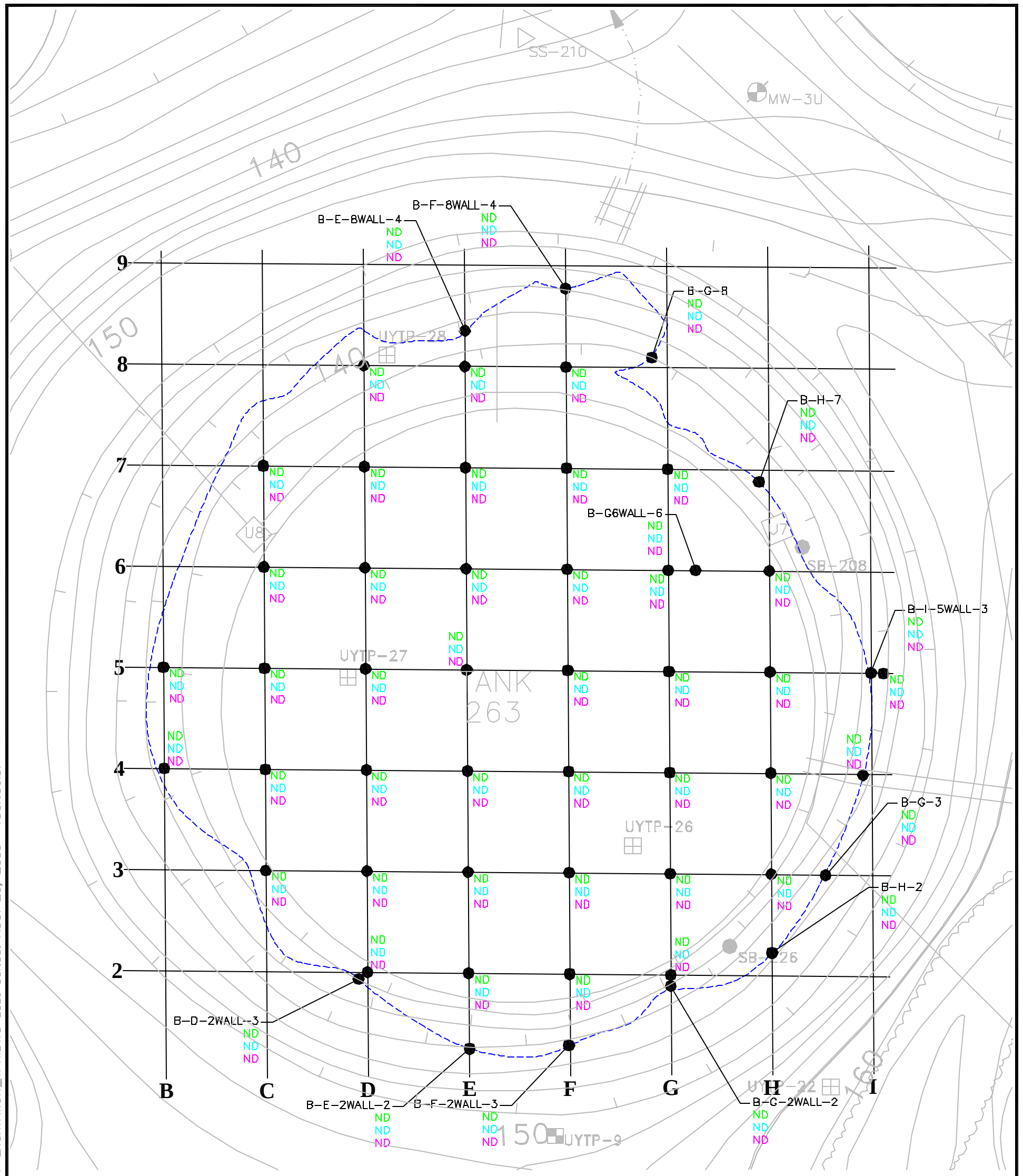
Figure 5-4
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA ASWL2 (ASPHALT SWALE 2)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color
LAYOUT: ASWL2



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

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Figure 5-5
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA B (BASIN 263)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: B

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%C

LEGEND:

----- TPH EXCAVATION AREA

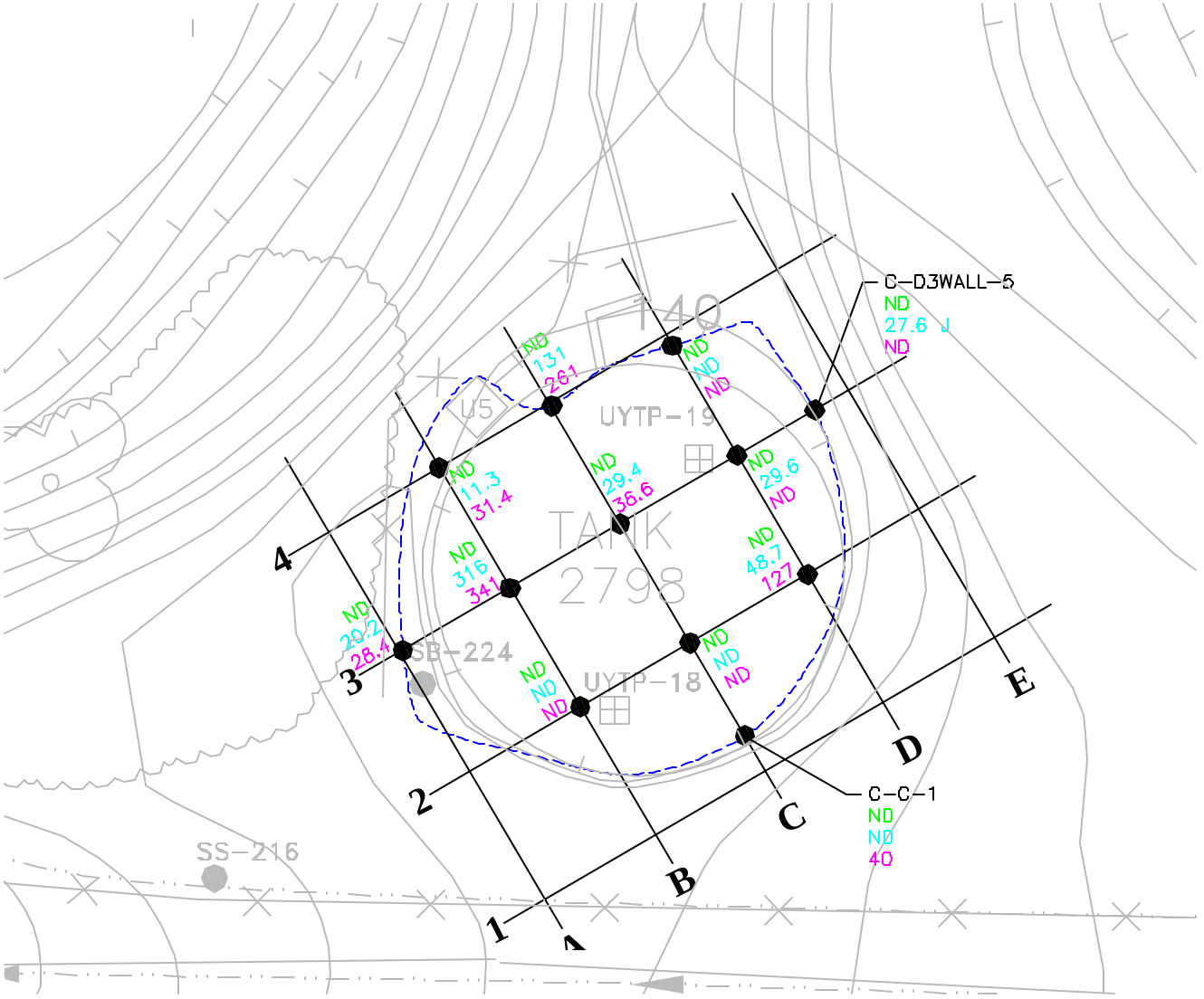
ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED



0 20 40

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Figure 5-6
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA C (BASIN 2798)

LAYOUT: C

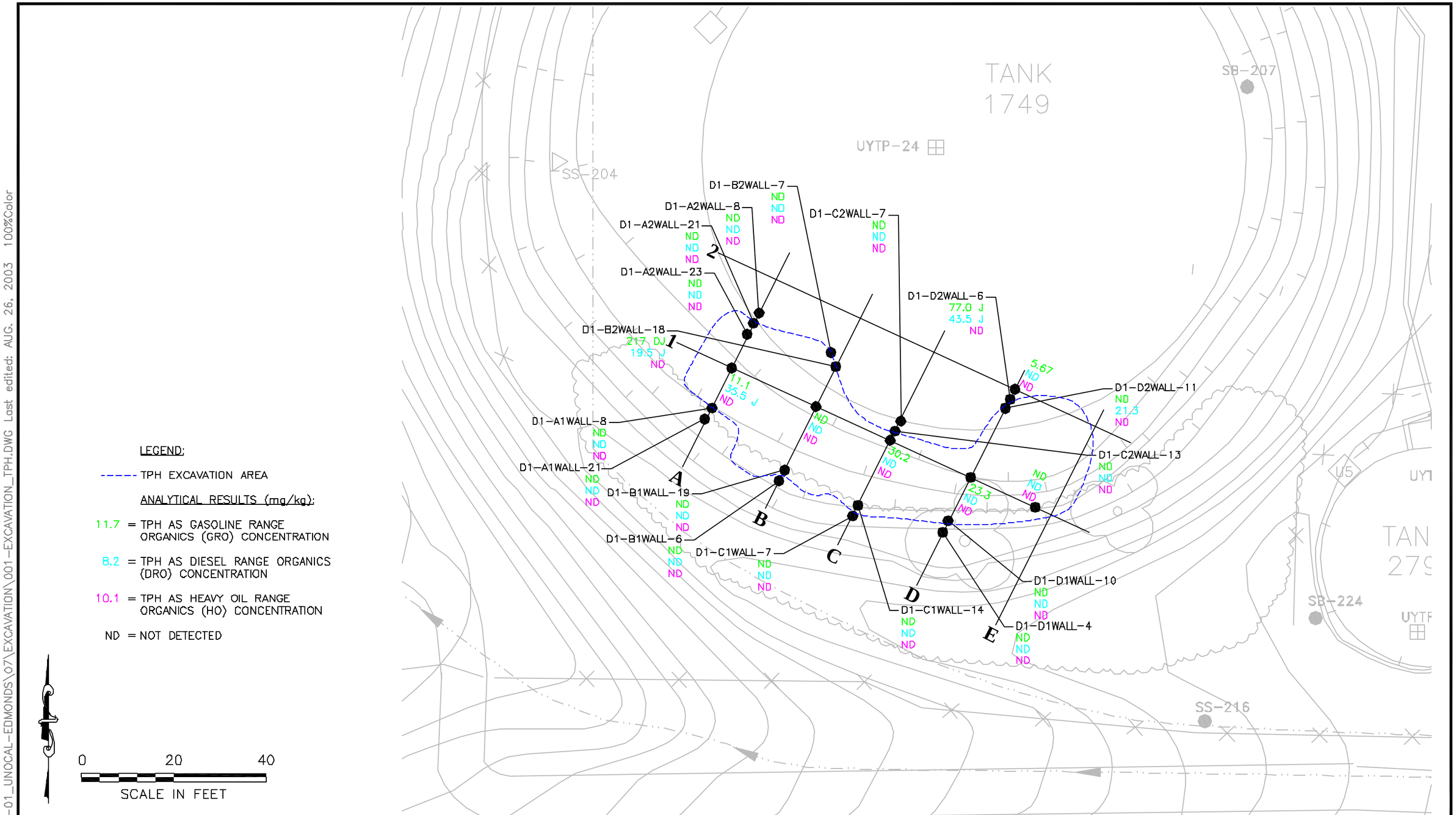

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Figure 5-7
UNOCAL EDMONDS TERMINAL
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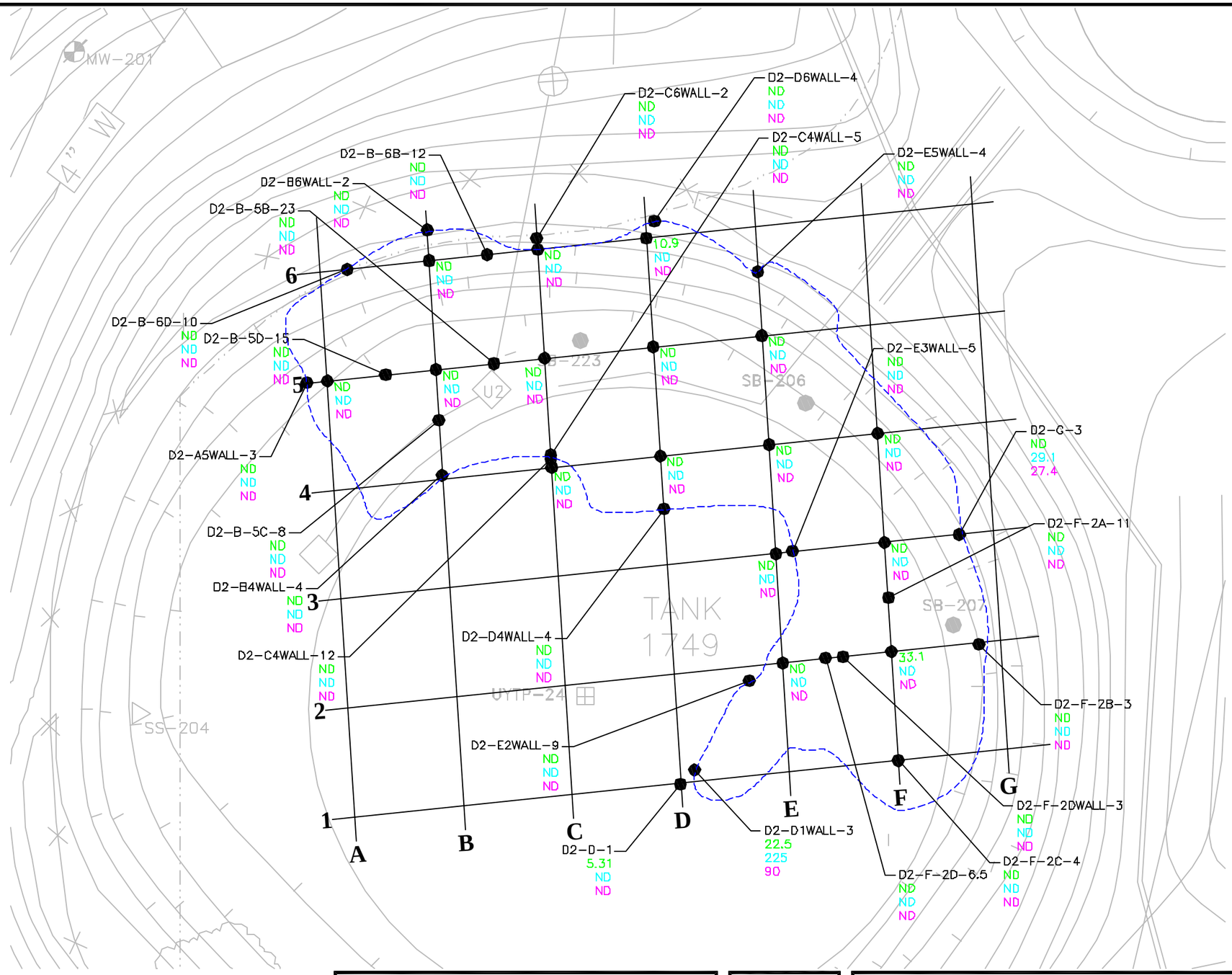
TPH AREA D1 (BASIN 1749)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: D1



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

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Figure 5-8
UNOCAL EDMONDS TERMINAL
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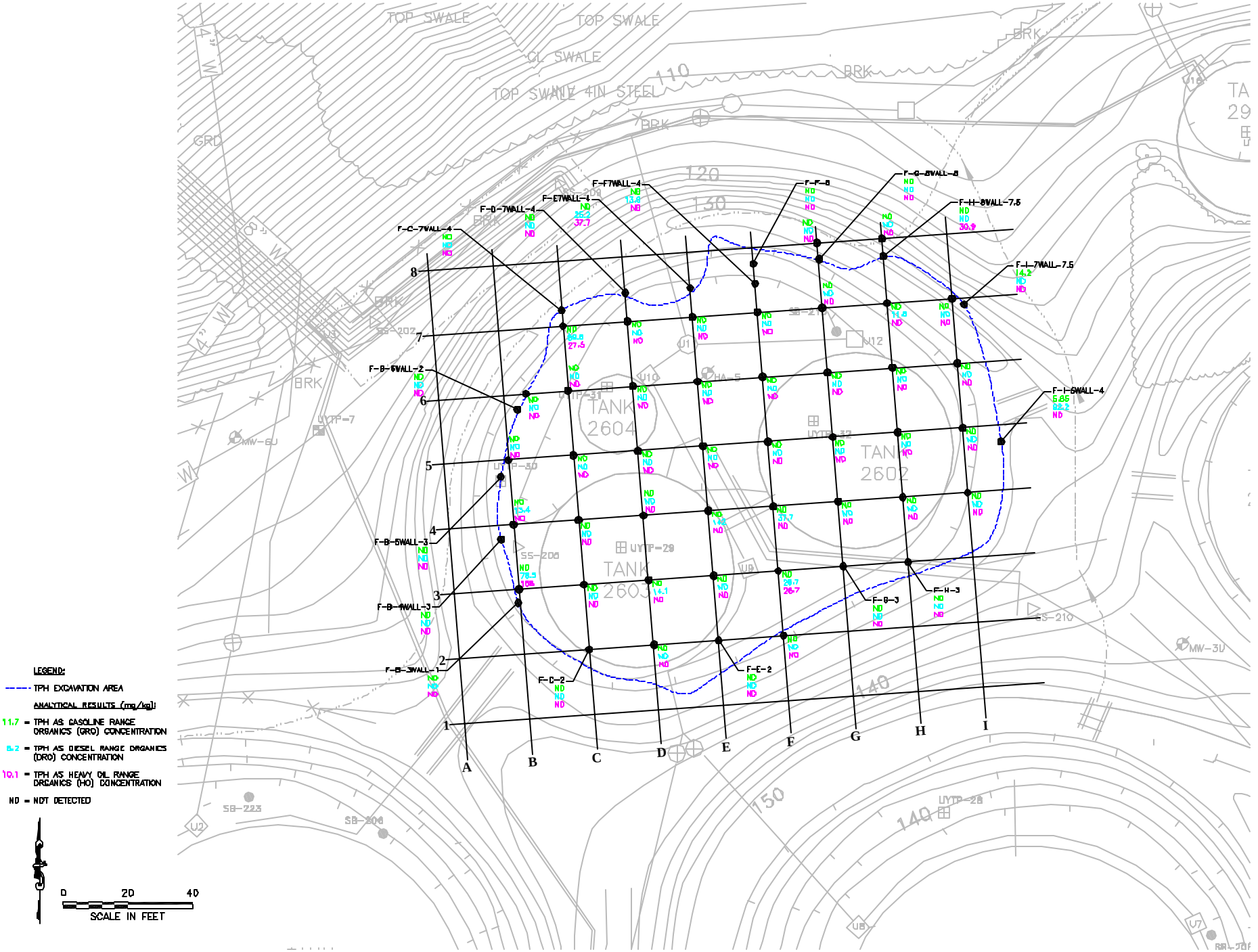
TPH AREA D2 (BASIN 1749)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: D2



LEGEND:

- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

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Figure 5-9
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA F (BASINS 2602, 2603 & 2604)

File: C:\9000\9077-01_UNOCAL_EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 10:09 Color

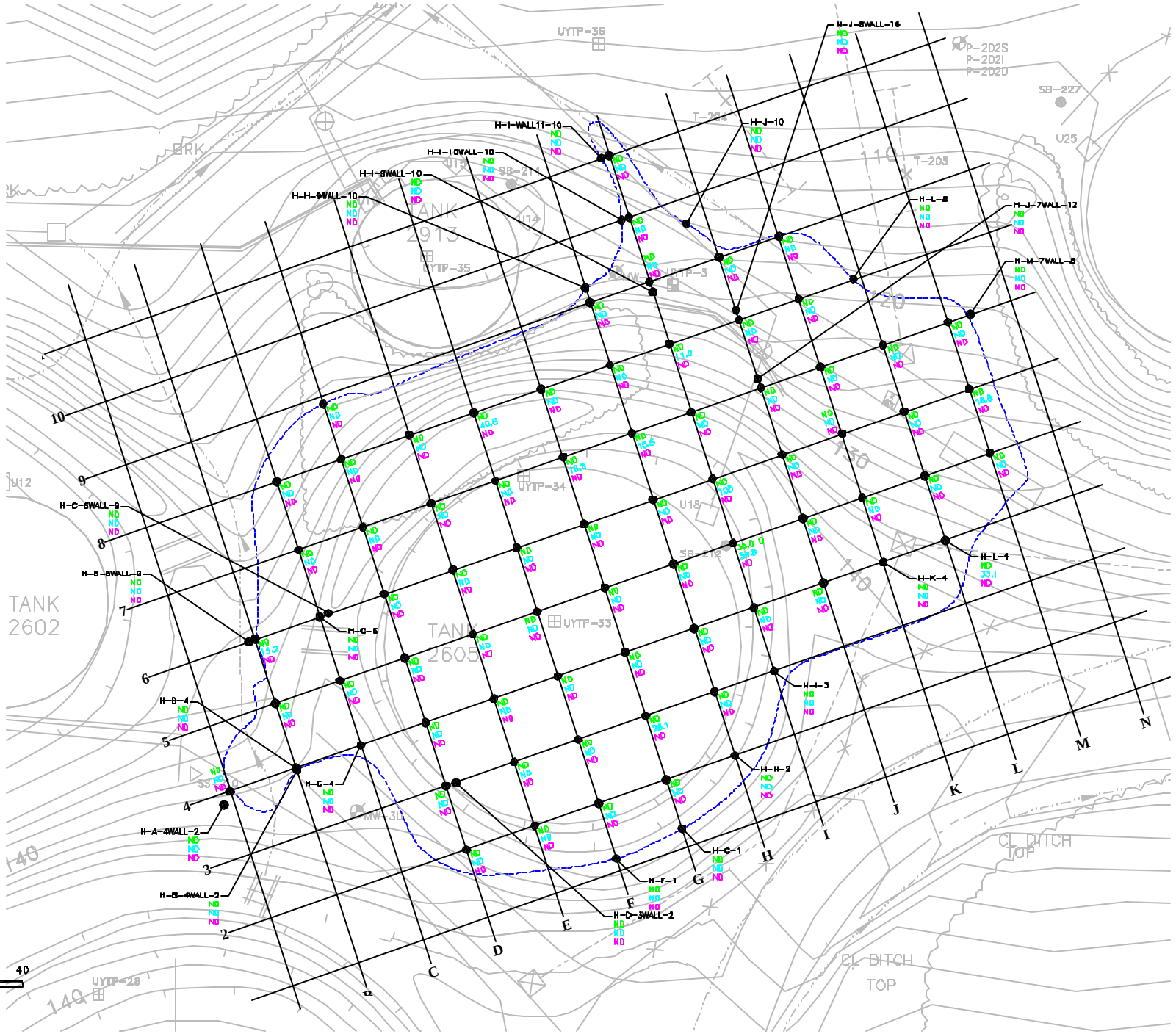

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Figure 5-10
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA H (BASIN 2605)

File: C:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 10:09:06 by

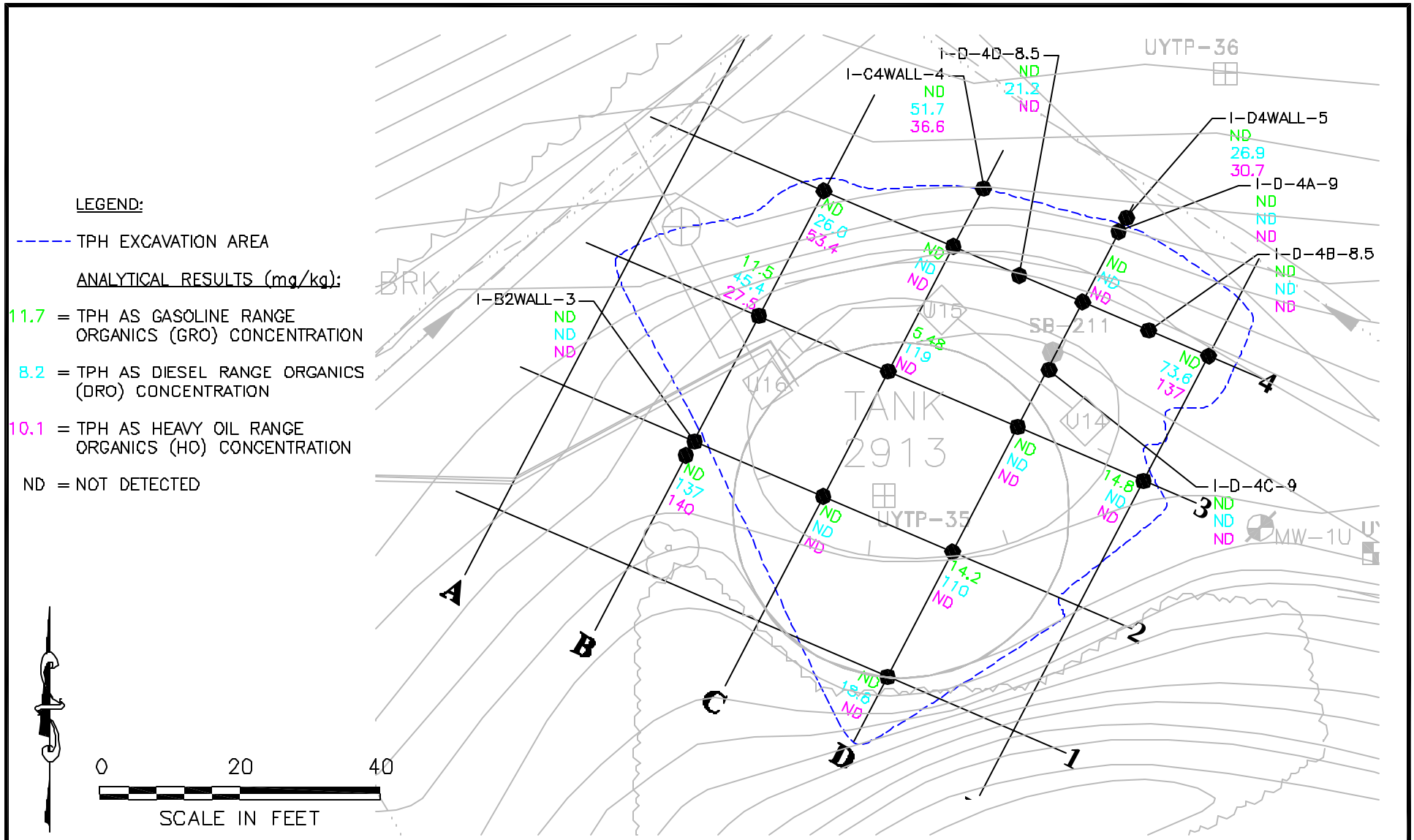

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Figure 5-11
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA I (BASIN 2913)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%C

LAYOUT: I

LEGEND:

- - - - - TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

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Figure 5-12
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA K (T-203 SWALE)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: K

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: L

LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

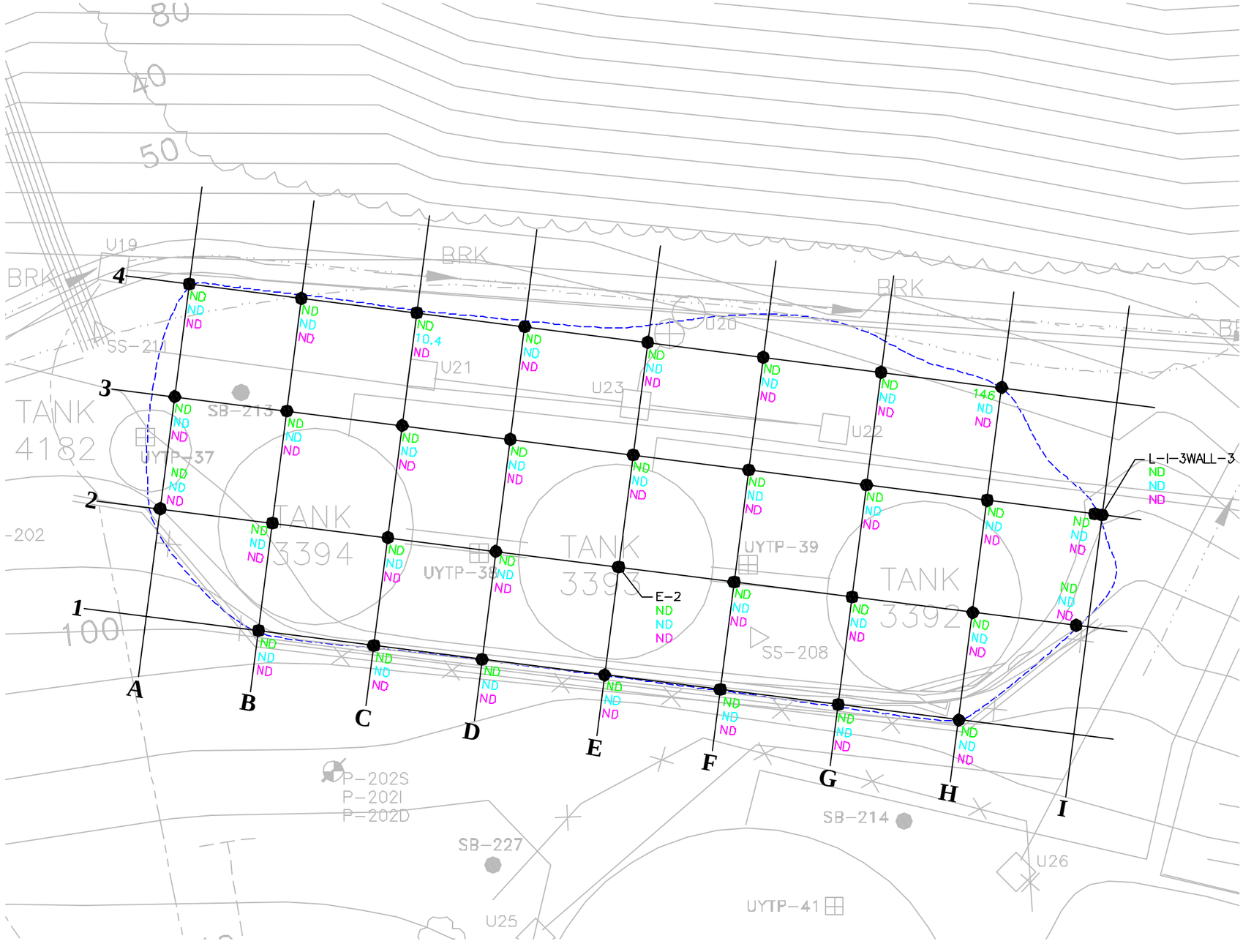

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Figure 5-13
UNOCAL EDMONDS TERMINAL
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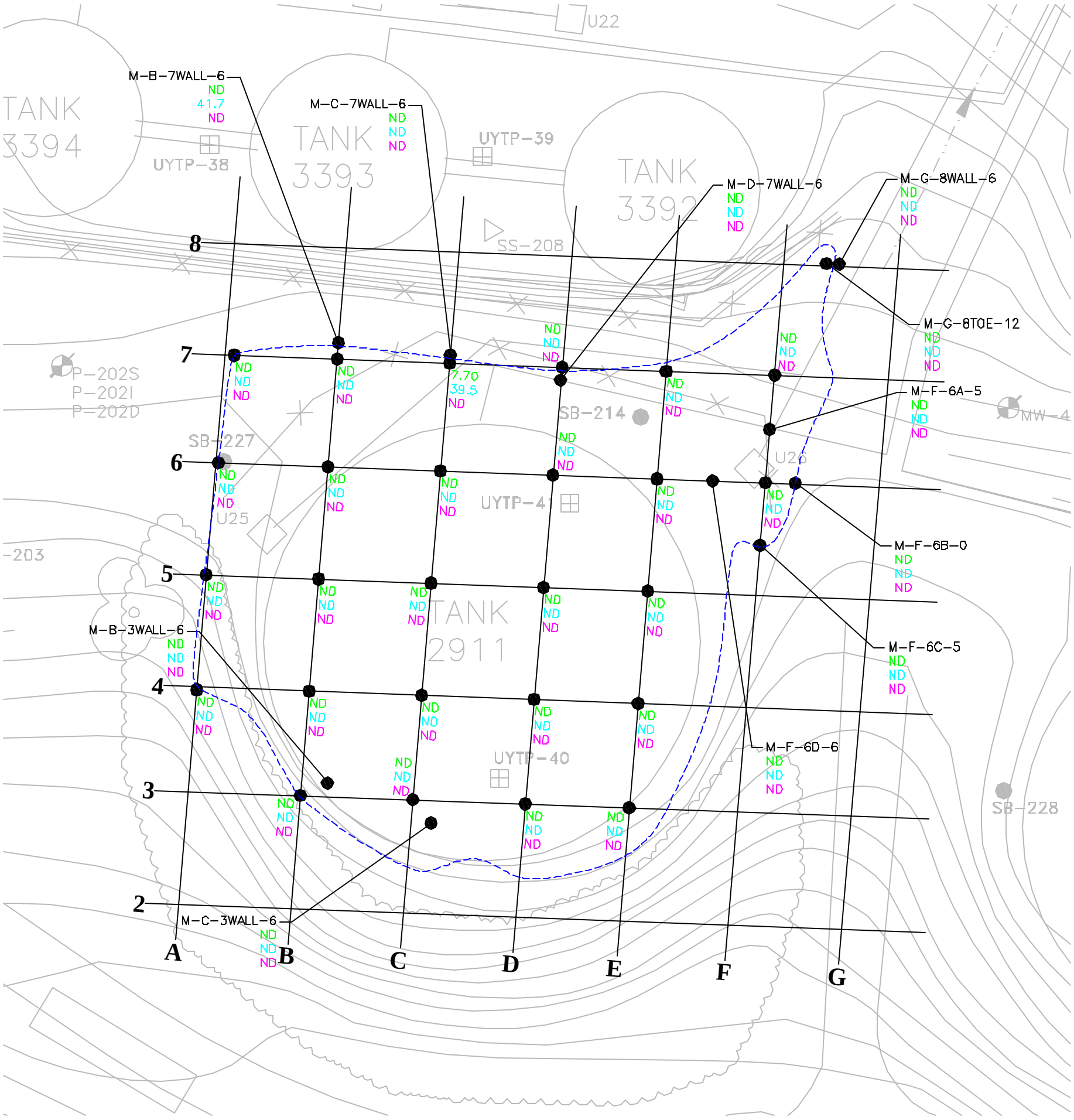
TPH AREA L (BASINS 3392, 3393, 3394 & 4182)



0 20 40

SCALE IN FEET

LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

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Figure 5-14
UNOCAL EDMONDS TERMINAL
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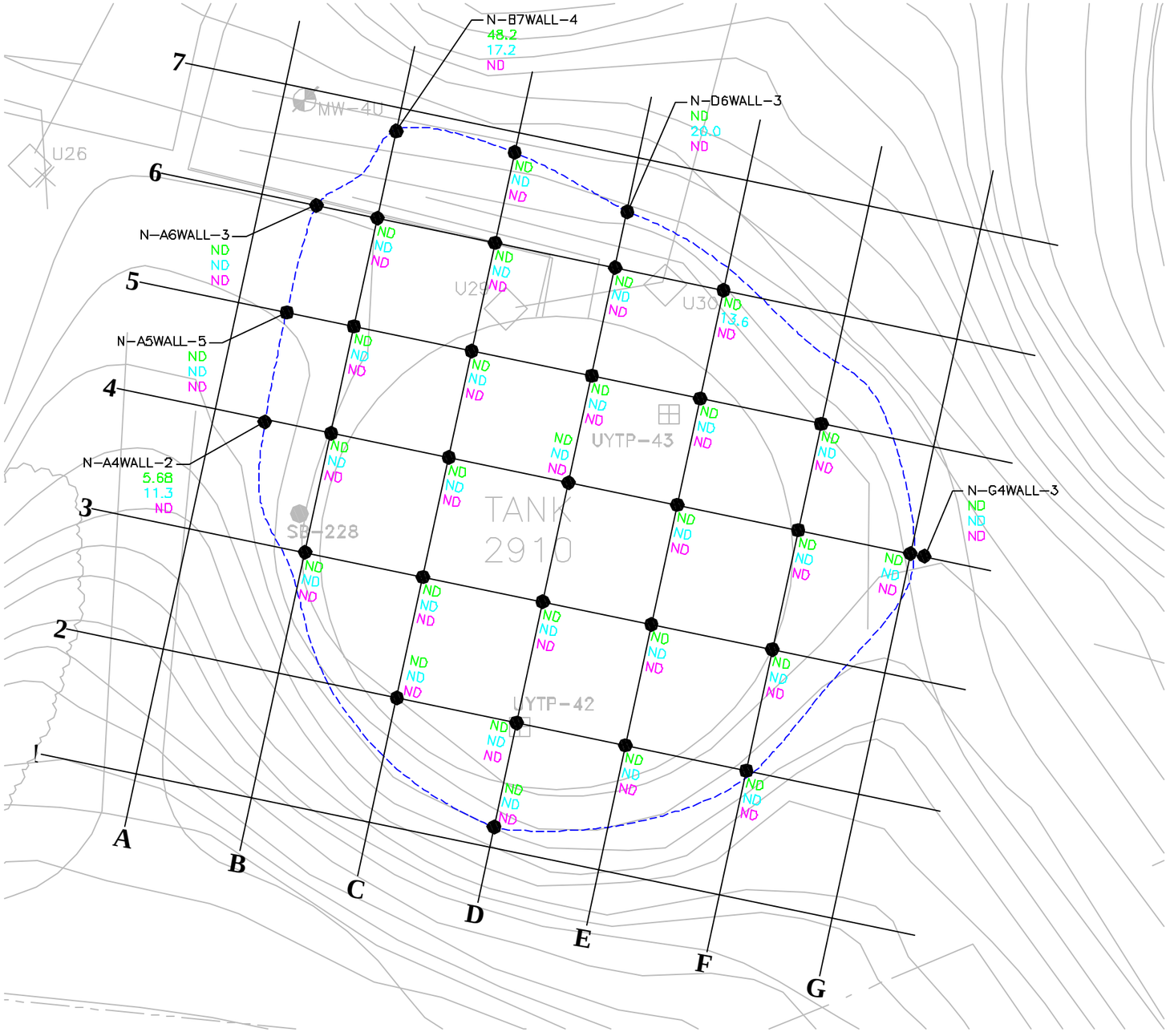
TPH AREA M (BASIN 2911)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: M



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

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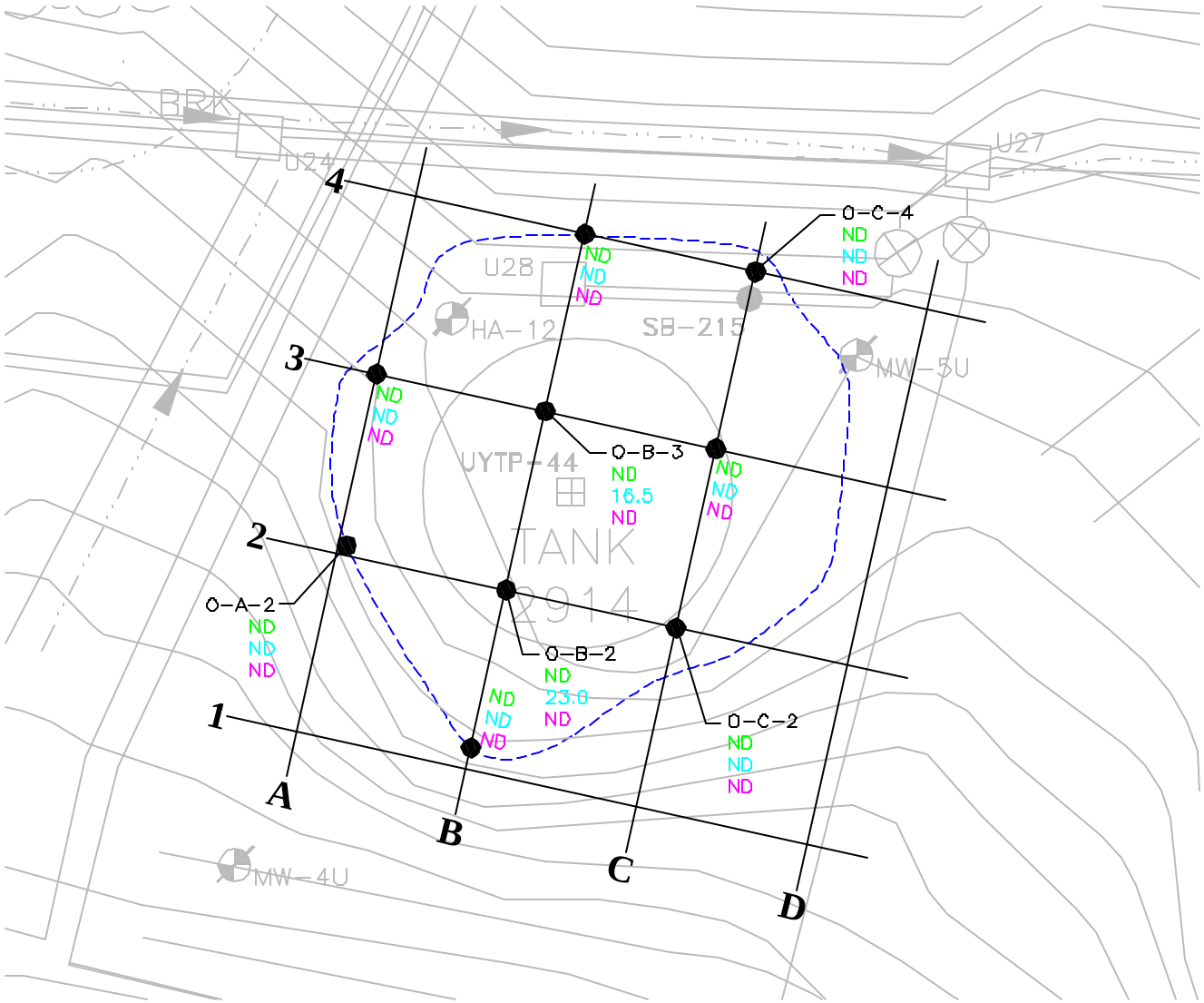
Figure 5-15
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA N (BASIN 2910)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: N



LEGEND:

TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

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Figure 5-16
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA O (BASIN 2914)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%C

LAYOUT: 0

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

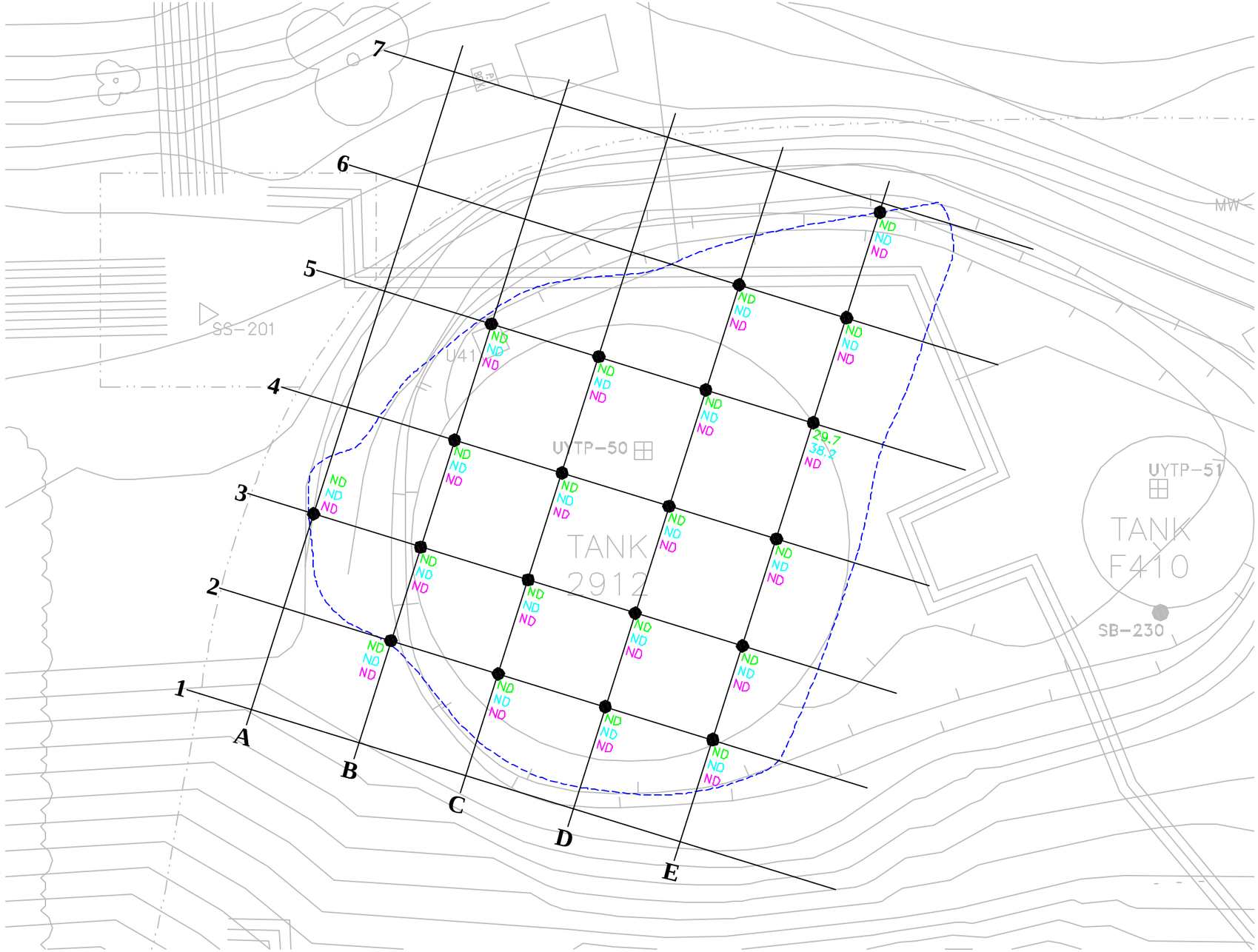

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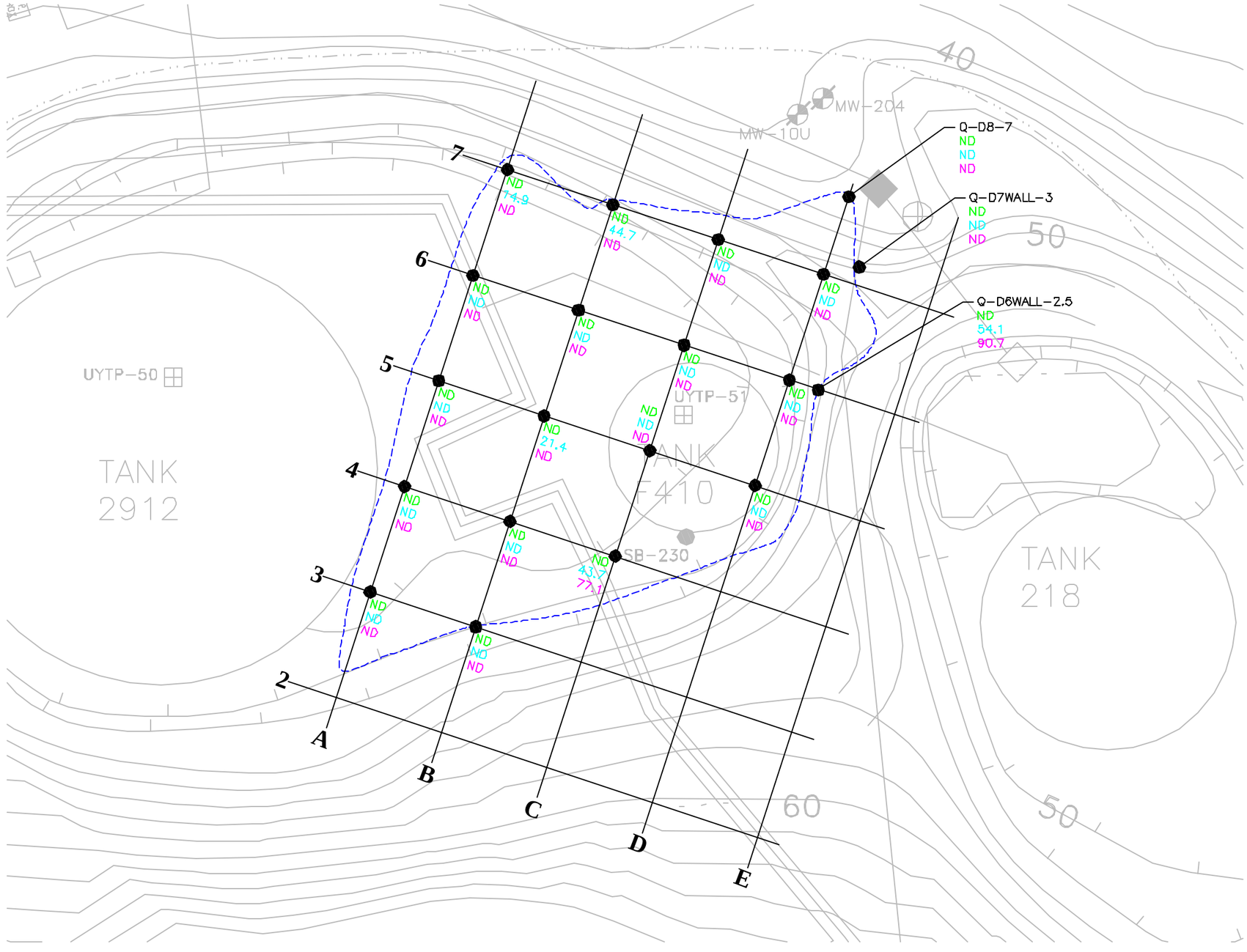
Figure 5-17
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA P (BASIN 2912)

LAYOUT: P



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

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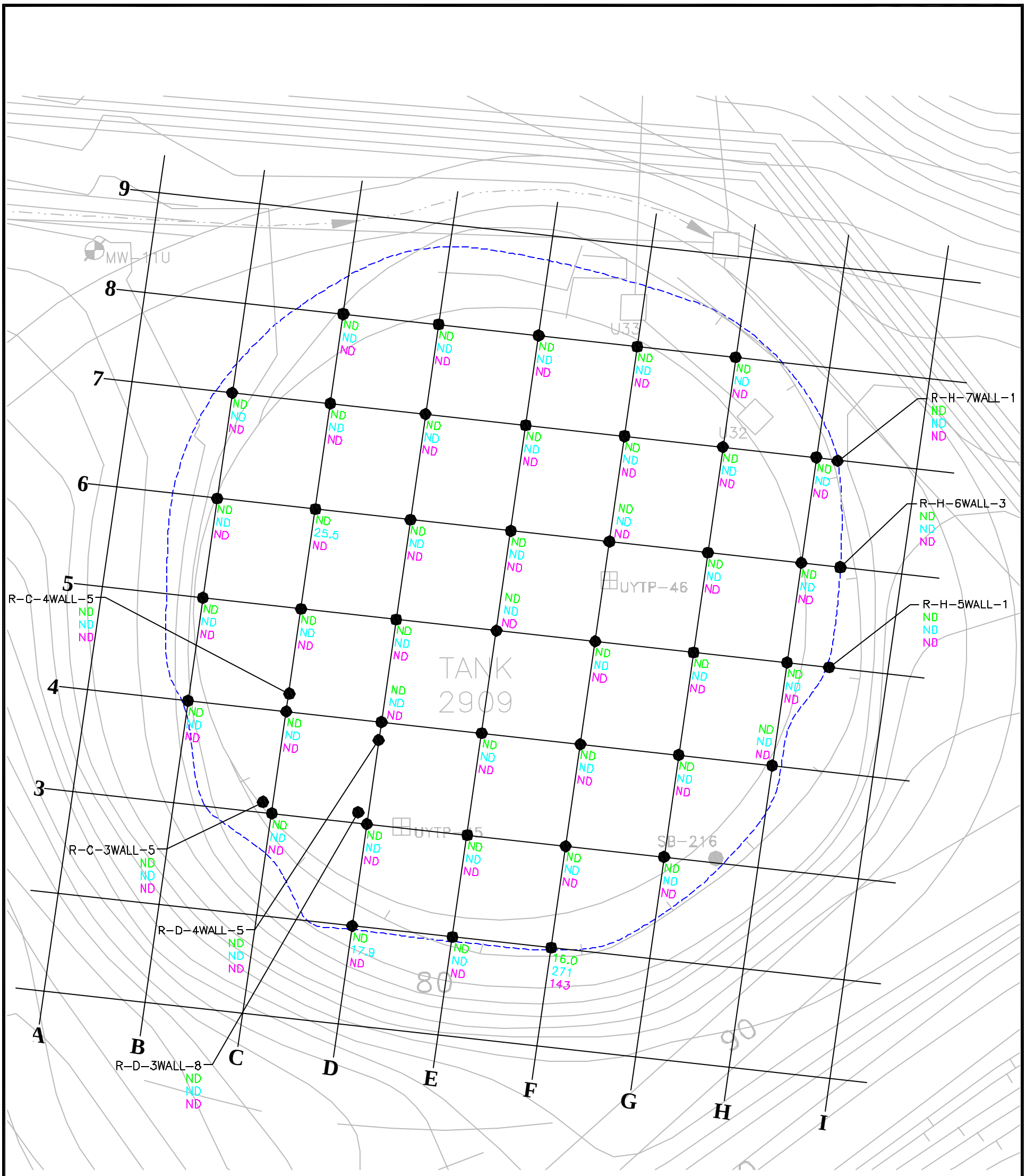
Figure 5-18
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA Q (BASIN F410)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: P



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

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Portland: (971) 544-2139

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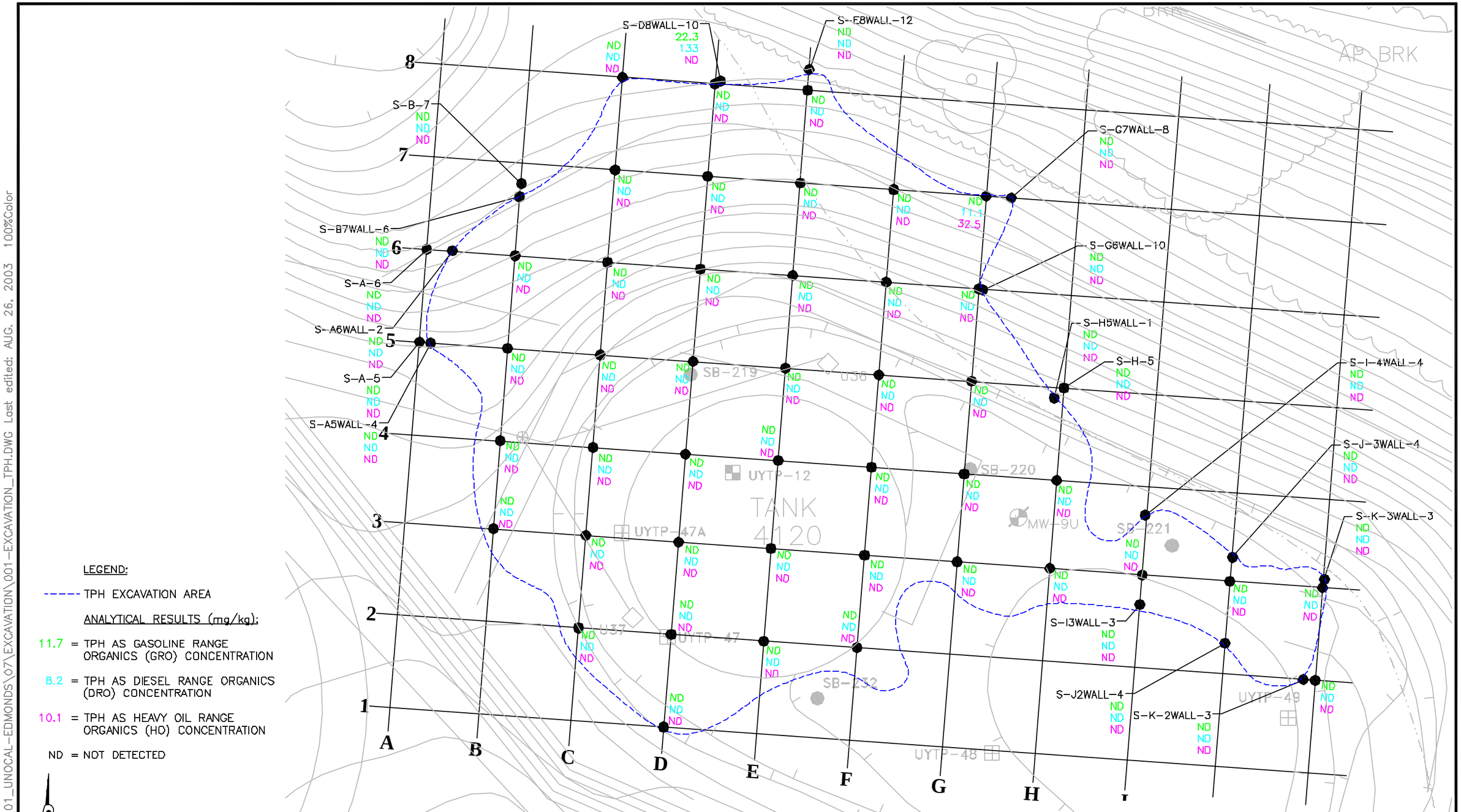
Figure 5-19
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA R (BASIN 2909)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: B



LEGEND:

TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

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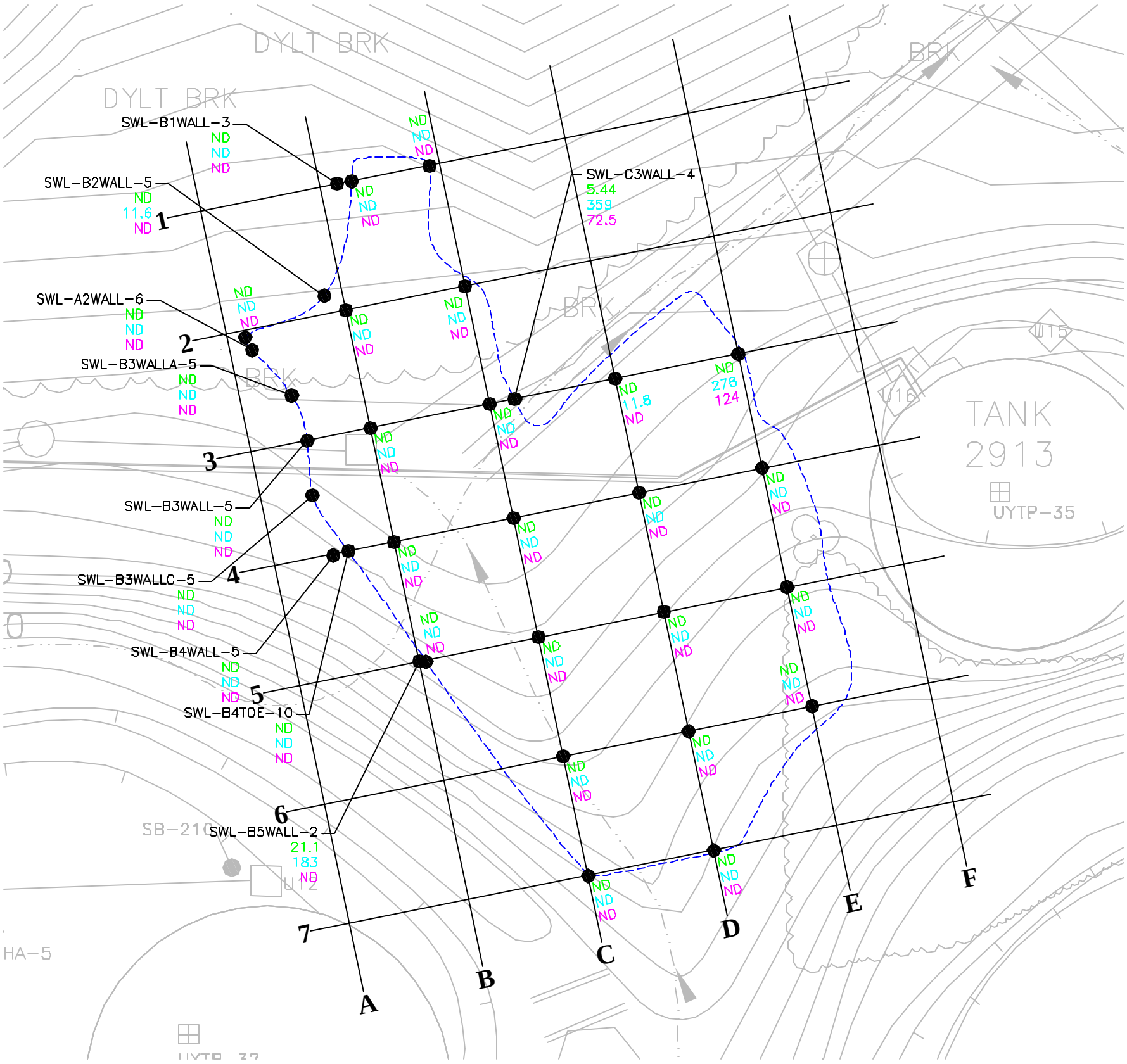
Figure 5-20
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA S (BASIN 4120)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07_EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: S



0 20 40

SCALE IN FEET

LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

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Figure 5-21
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA SWL (SWALE WEST OF BASIN 2913)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: SWL

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%C

LEGEND:

----- TPH EXCAVATION AREA

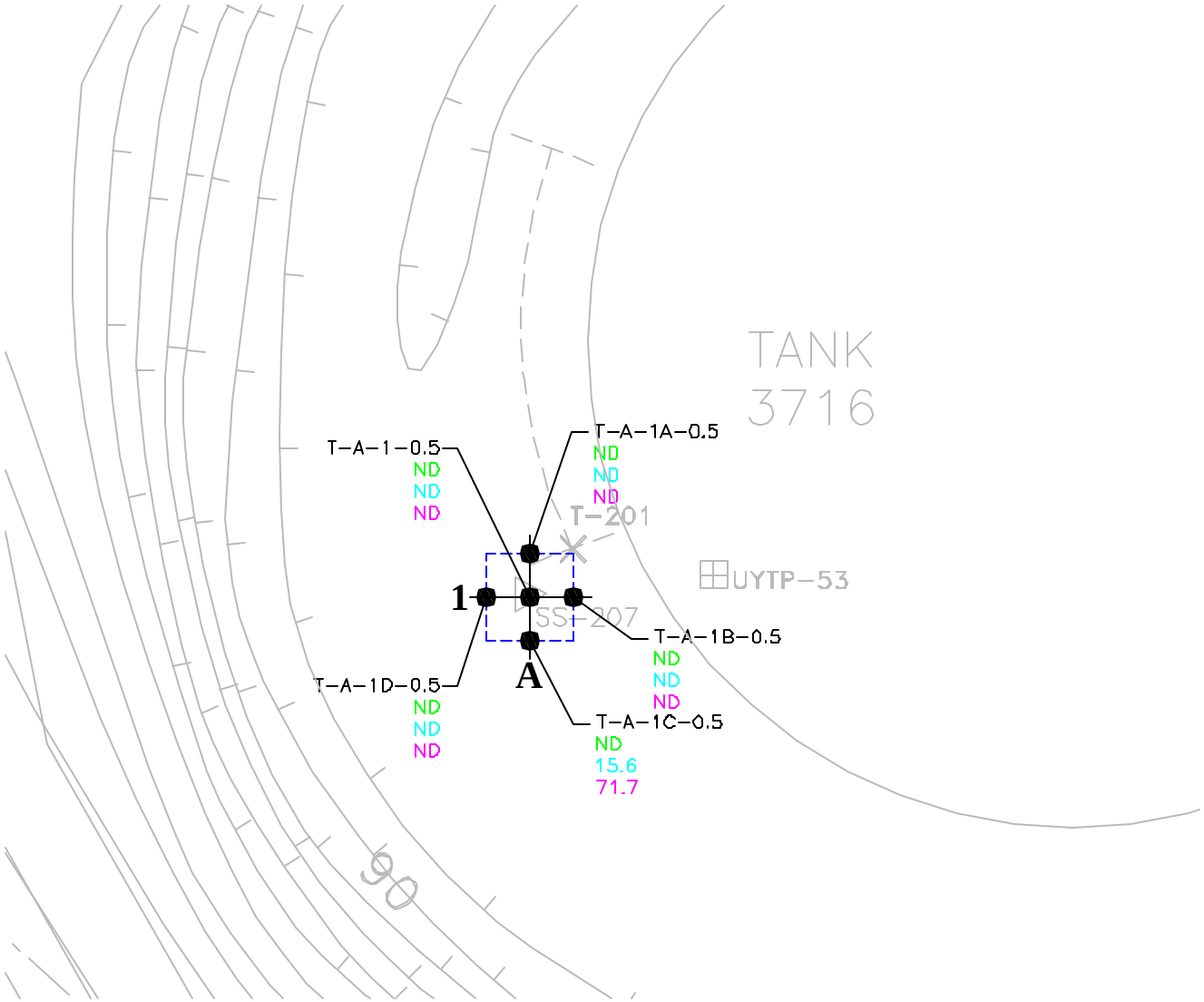
ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED



0 20 40

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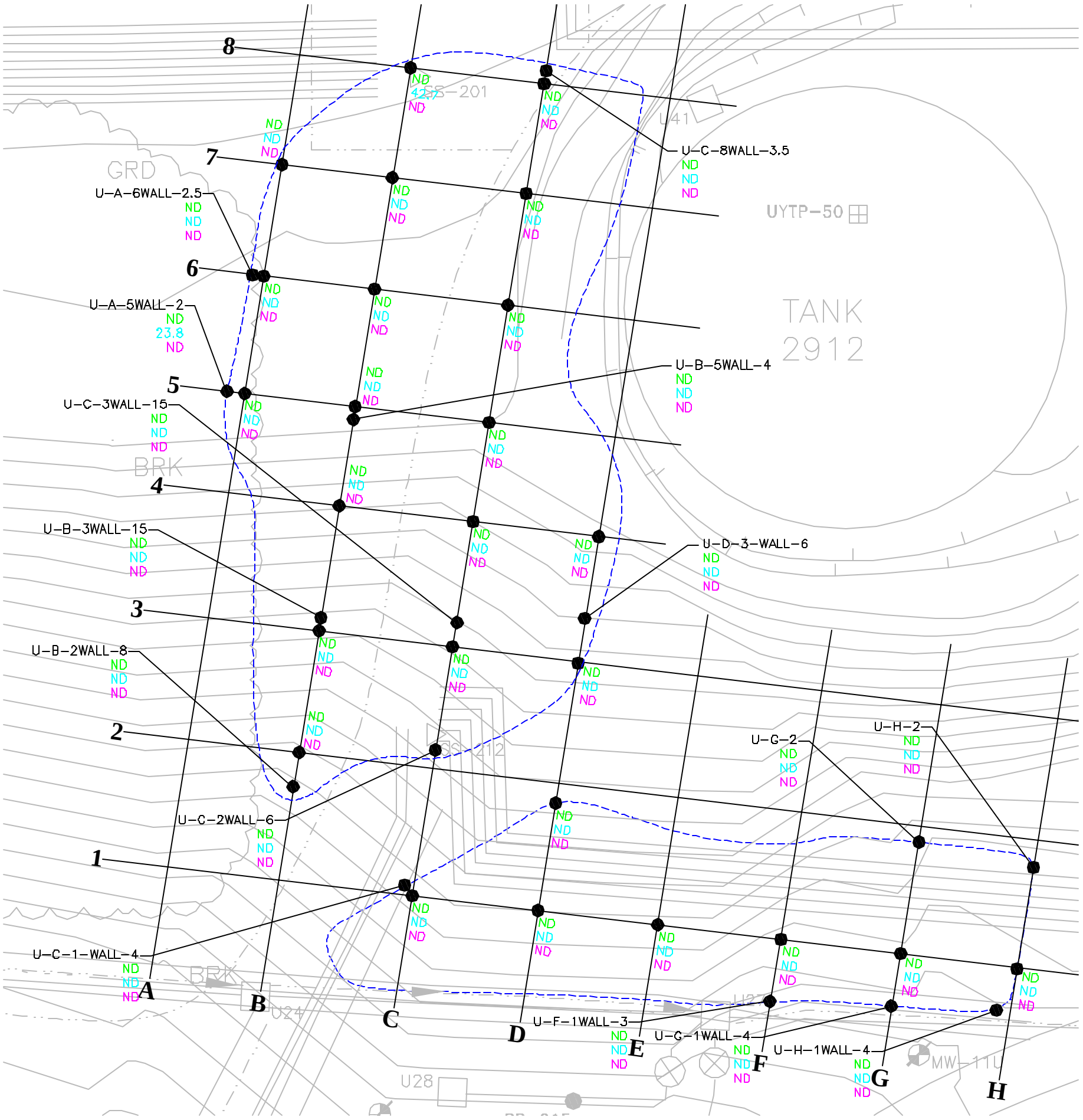
Figure 5-22
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA T (BASIN 3716)

LAYOUT: T



0 20 40

SCALE IN FEET

LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

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Figure 5-23
UNOCAL EDMONDS TERMINAL
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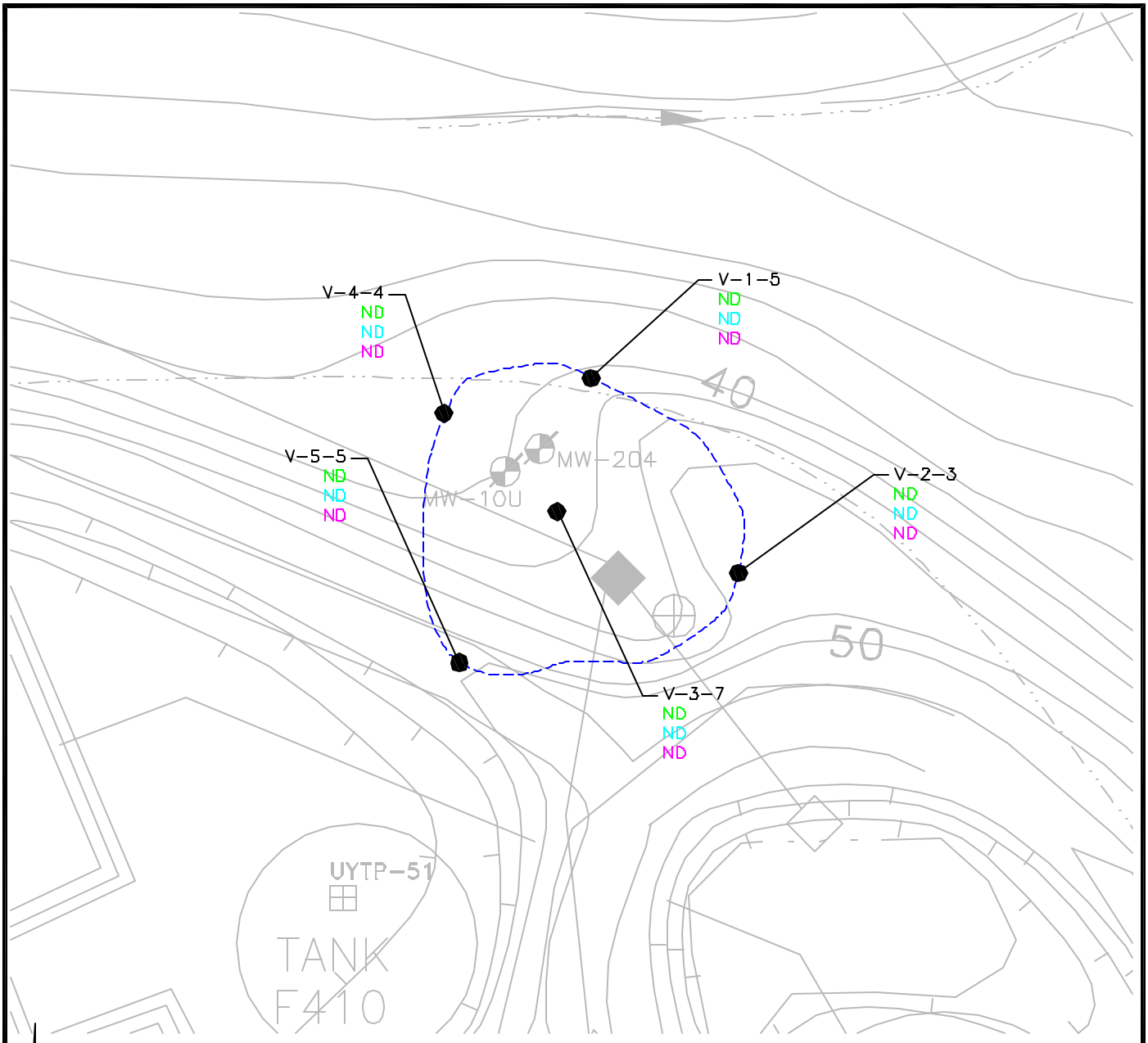
TPH AREA U (PIPE RUN, WEST OF BASIN 2912)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: U



LEGEND:

----- TPH EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = TPH AS GASOLINE RANGE ORGANICS (GRO) CONCENTRATION

8.2 = TPH AS DIESEL RANGE ORGANICS (DRO) CONCENTRATION

10.1 = TPH AS HEAVY OIL RANGE ORGANICS (HO) CONCENTRATION

ND = NOT DETECTED

0 20 40

SCALE IN FEET

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Figure 5-24
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA V (MW-204 AREA)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: V

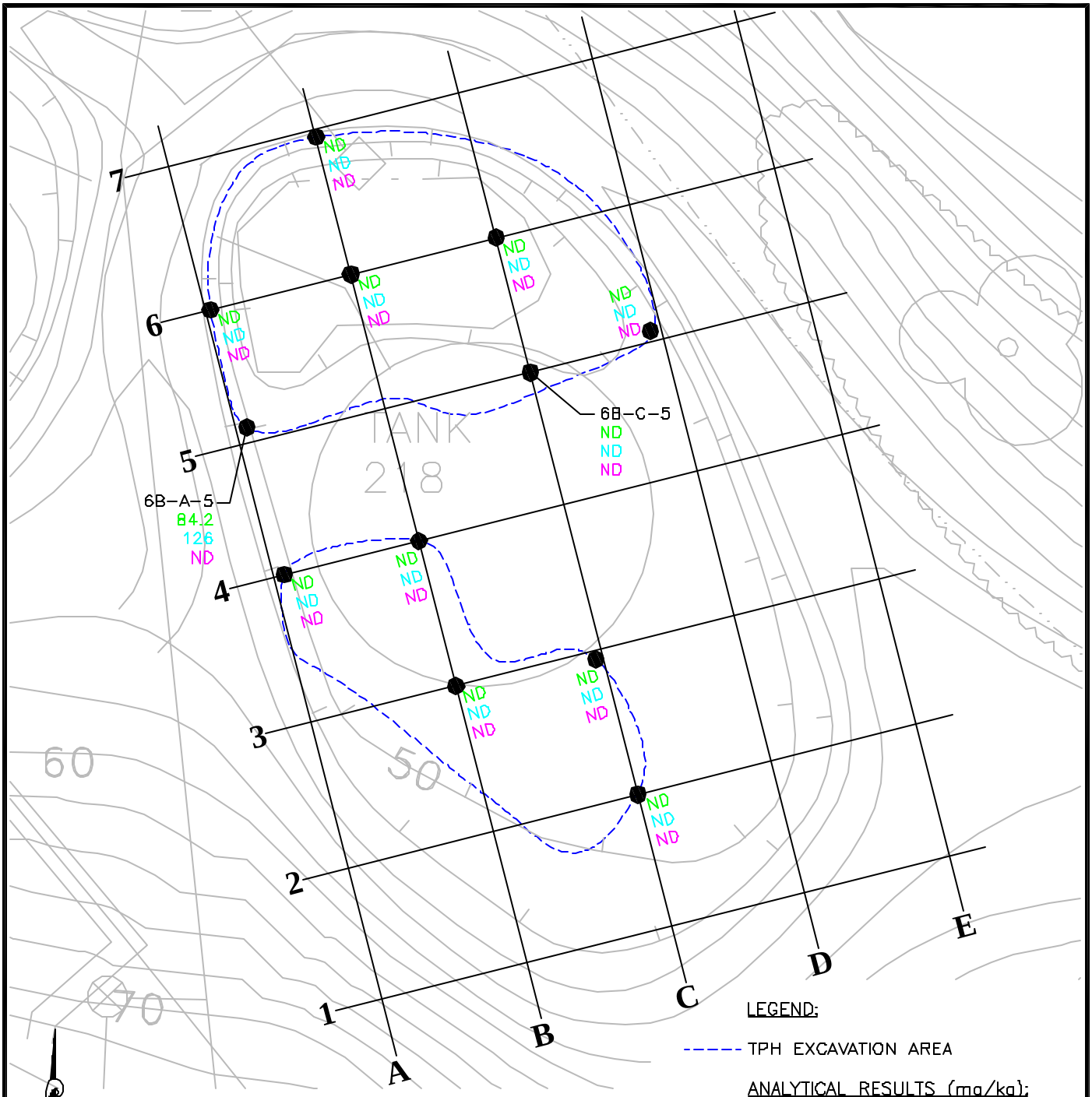

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Figure 5-25
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

TPH AREA 6B (BASIN 218)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_TPH.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: 6B

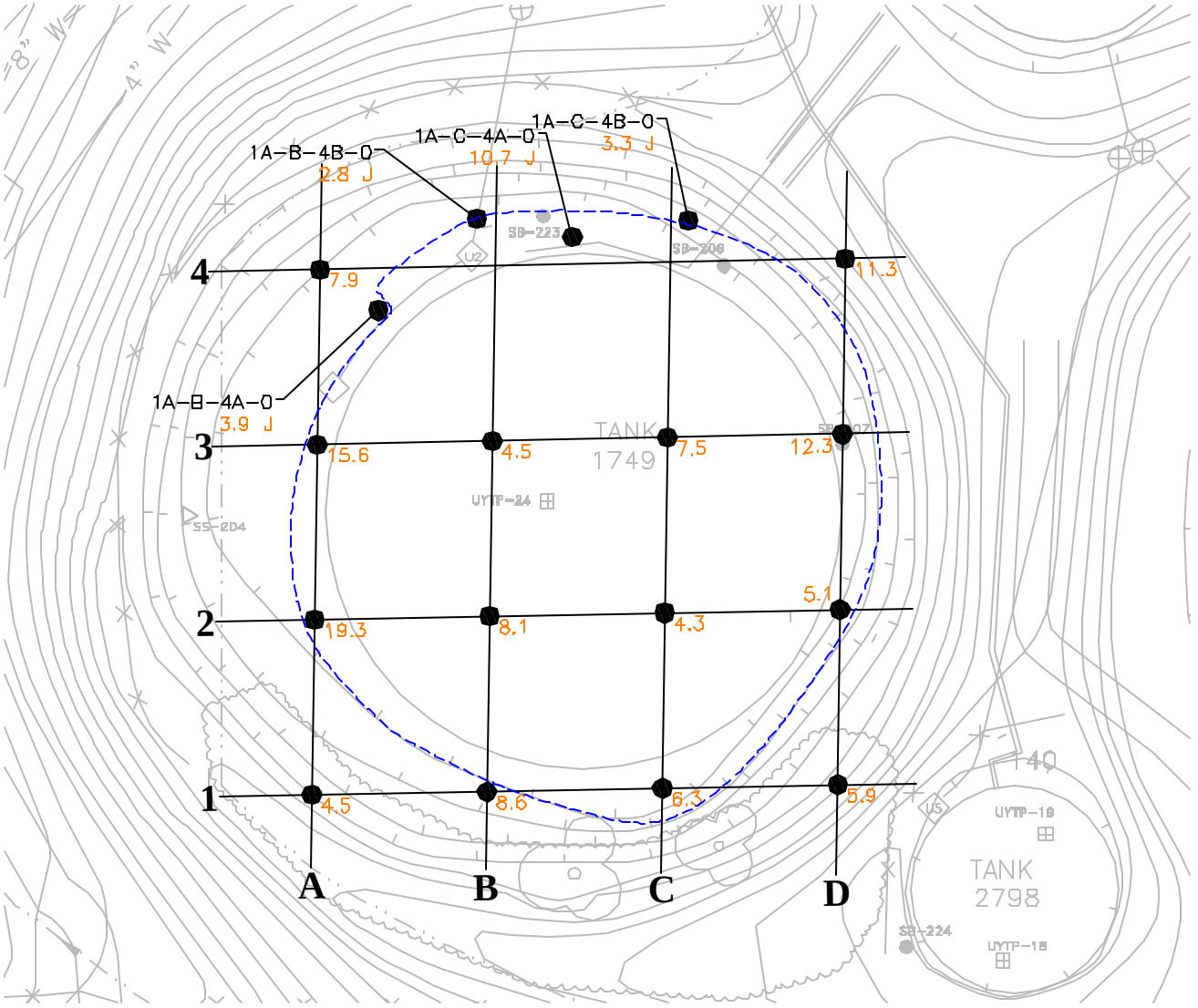
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LEGEND:

METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-26
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA 1A (BASIN 1749)

LAYOUT: 1A

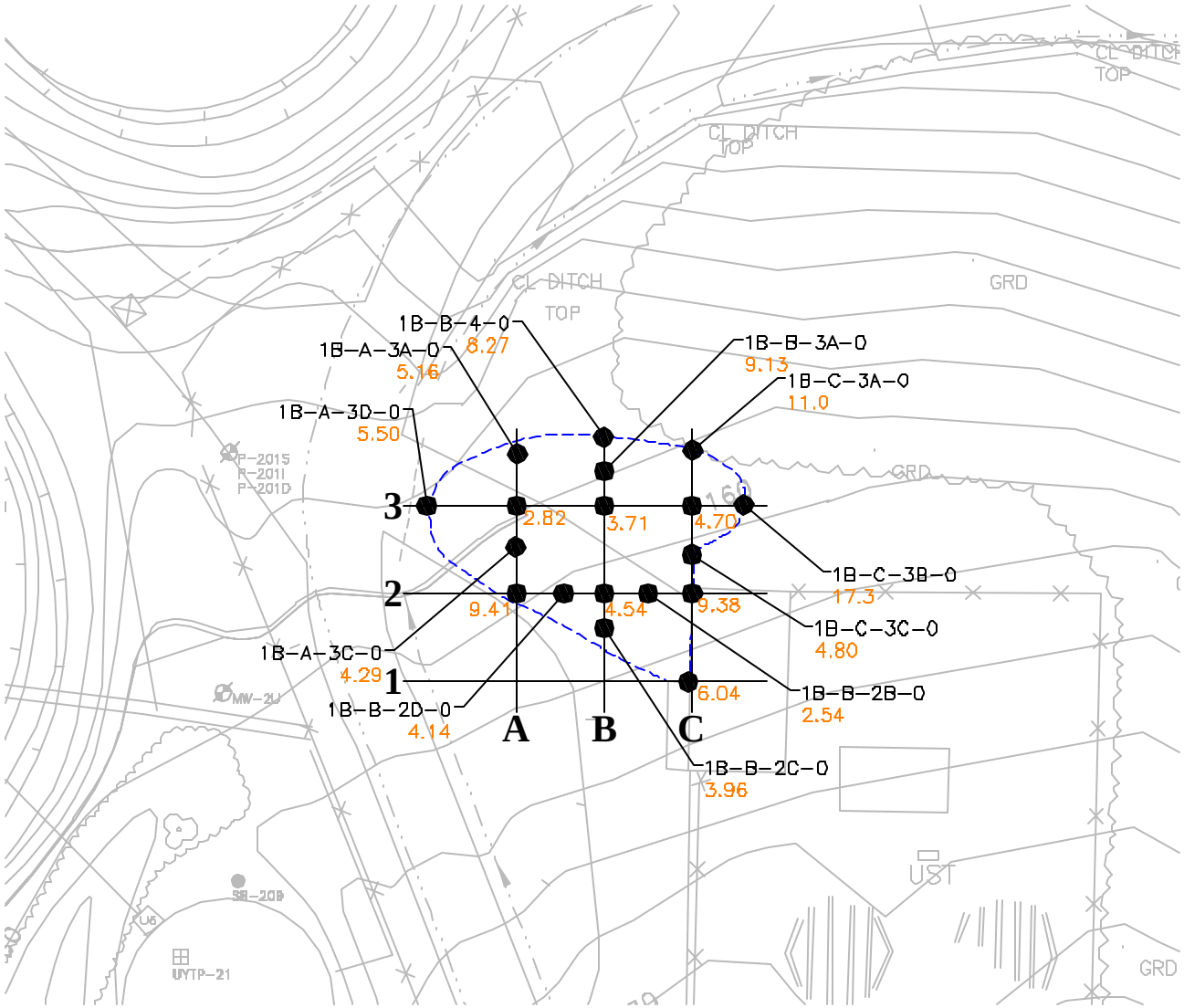
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-27
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA 1B

LAYOUT: 1B

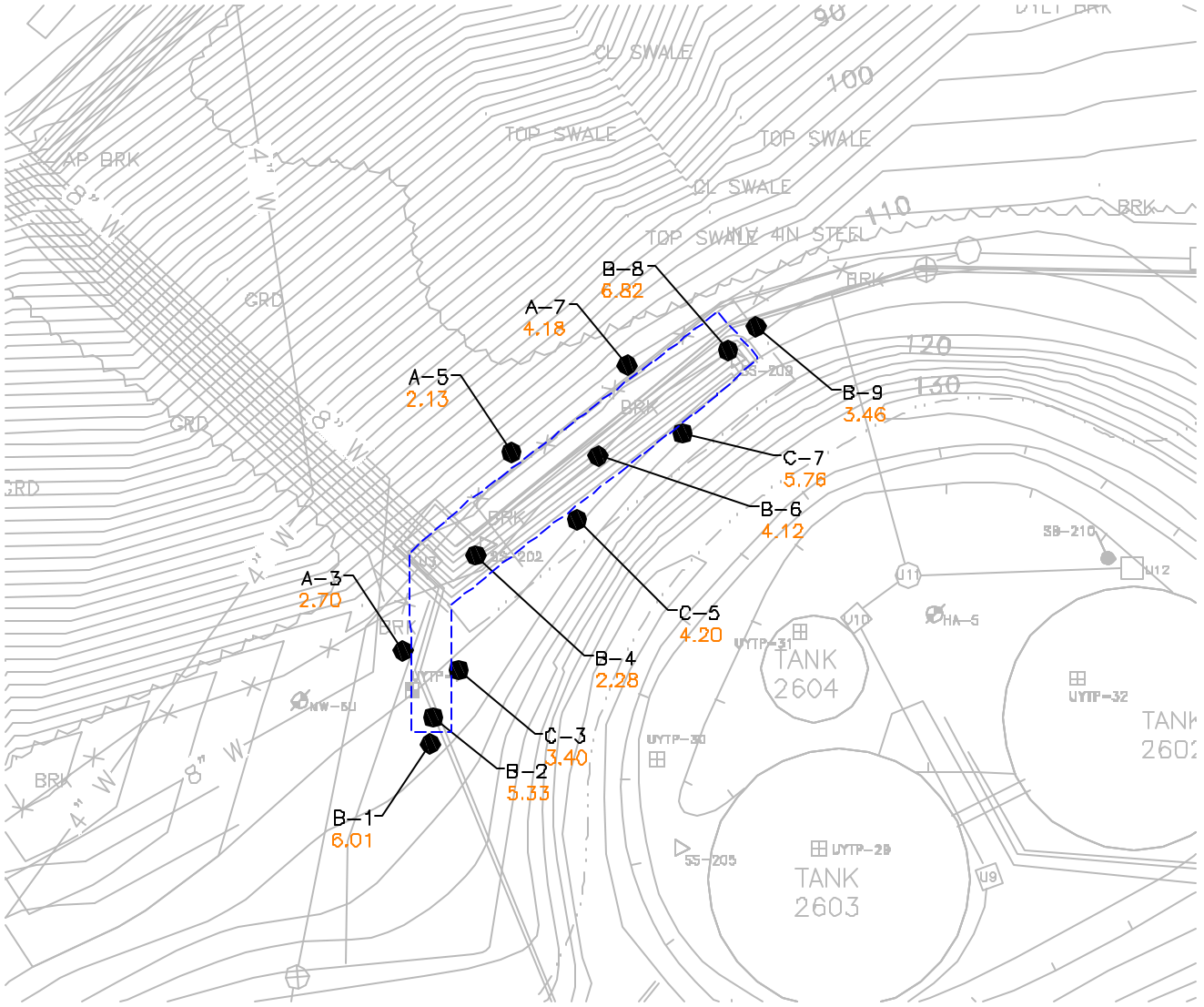
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-28
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA 2

LAYOUT: 2

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION

4-M-8A-0 7.78
4-M-8C-0 6.88
4-M-8D-0 9.18
4-N-8 11.8
4-N-7A-0 4.3
4-N-7 13.5
4-N-7D-0 3.78
4-O-8 14.4
4-Q-9A-0 2.16
4-Q-9C-0 6.13
4-R-9 2.73
4-L-8A-0 7.75
4-L-8B-0 12.9
4-K-8 18.8
4-J-8A-0 8.20
4-J-8 4.01
4-J-8C-0 7.91
4-D-10 2.50
4-R-8A-0 2.61
4-S-7A-0 8.47
4-T-7A-0 4.71
4-T-7D-0 4.62
4-G-7A-0 2.31
4-T-7C-0 6.73
4-H-7 3.11
4-S-7C-0 13.5
4-R-8C-0 3.53
4-G-7B-0 2912 13.3
4-G-7 2.31
4-C-7D-0 9.93
4-G-5D-0 3.86
4-P-7 3.26
4-O-7D-0 5.54
4-O-7A-0 9.27
4-O-7 5.97
4-O-7C-0 5.52
4-N-7C-0 2.57
4-N-6 2.46
4-N-7B-0 3.63
4-L-8 9.15
4-L-8C-0 7.24
4-L-6 3.99
4-K-6D-0 12.8
4-K-6 11.5
4-J-8B-0 4.51
4-J-8D-0 17.6
4-K-6B-0 5.39
4-K-6A-0 3.37
4-K-6C-0 7.62

0 40 80
SCALE IN FEET

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Figure 5-29
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA 4

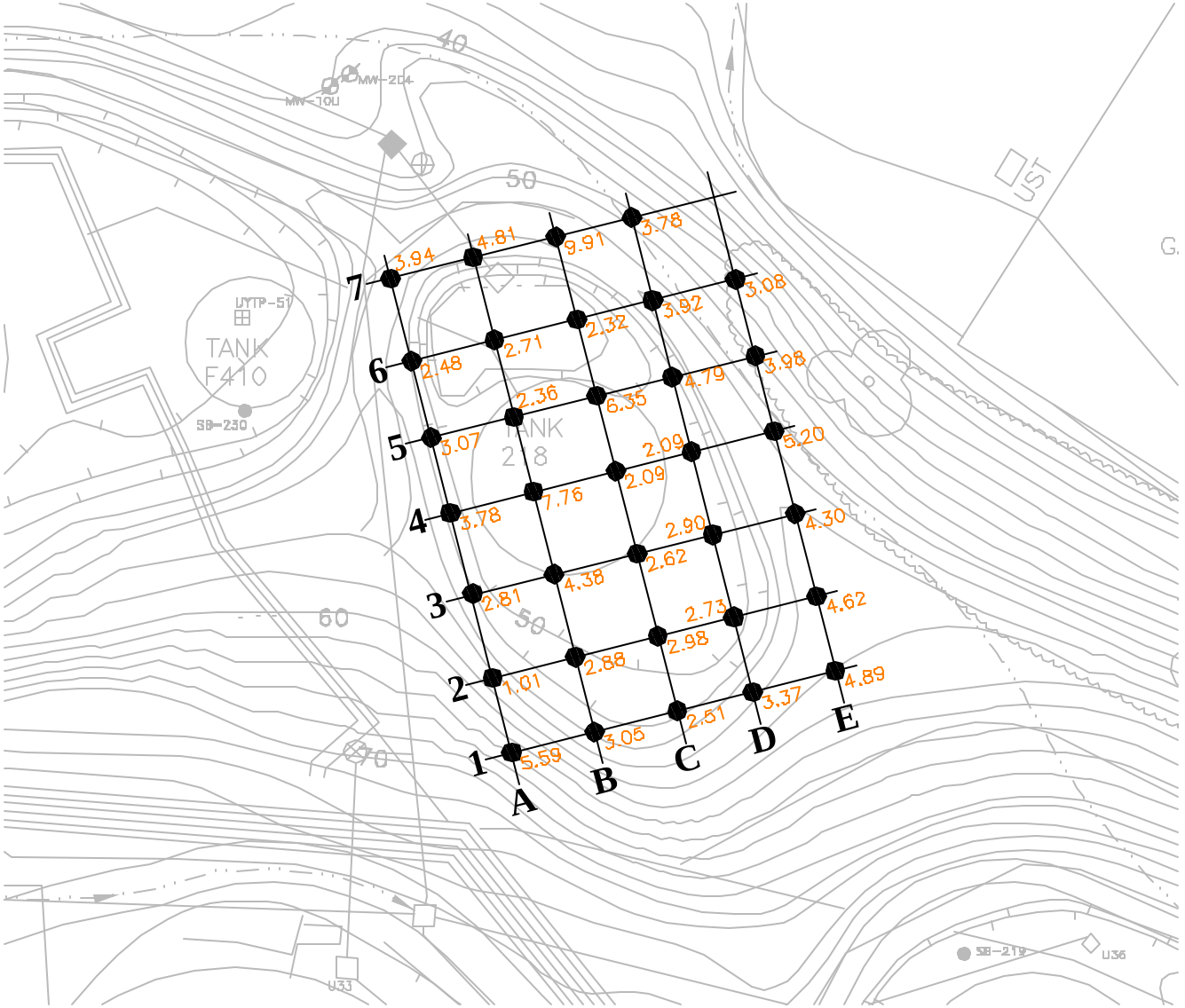
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: 4

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-30
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA 6B (BASIN 218)

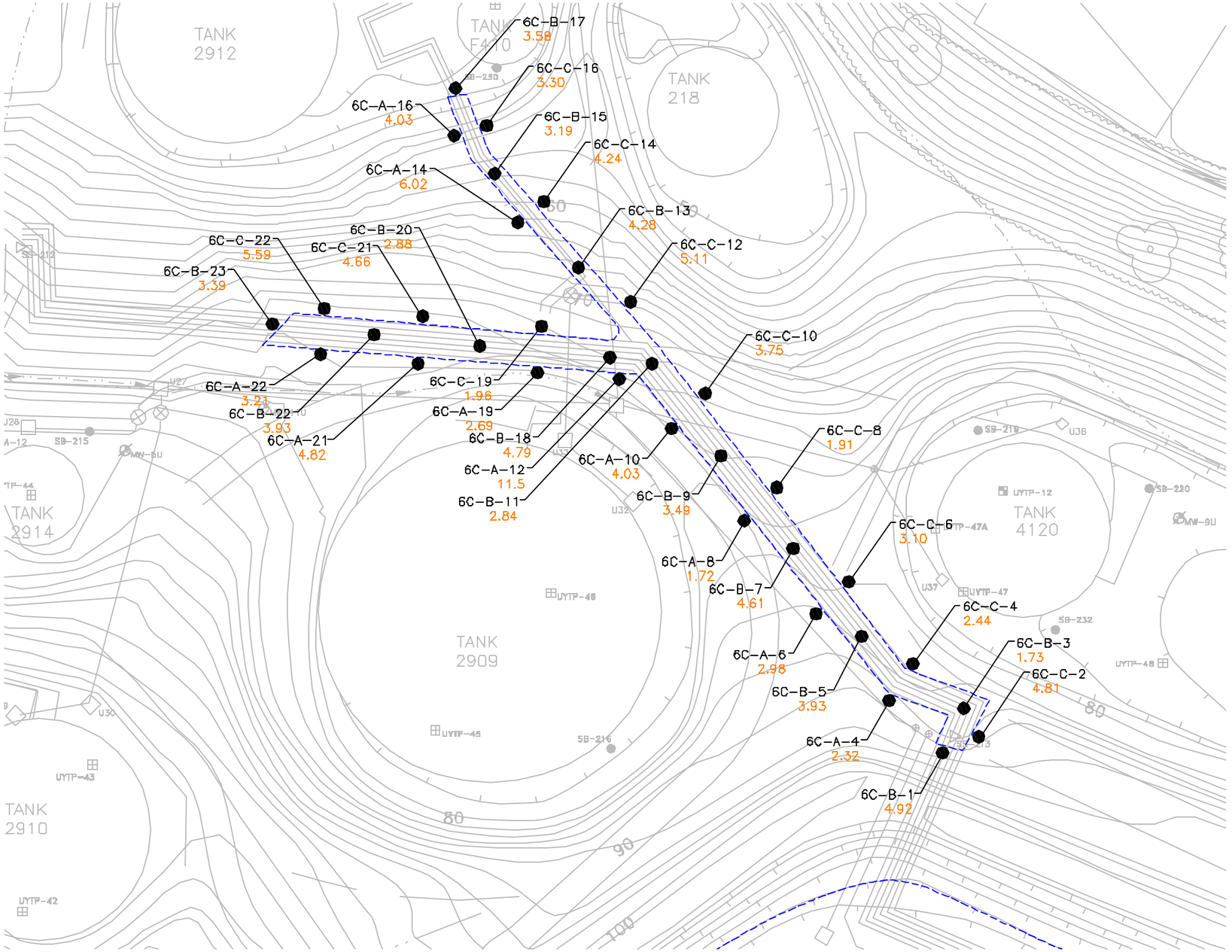
LAYOUT: 6B

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-31
UNOCAL EDMONDS TERMINAL
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METALS AREA 6C

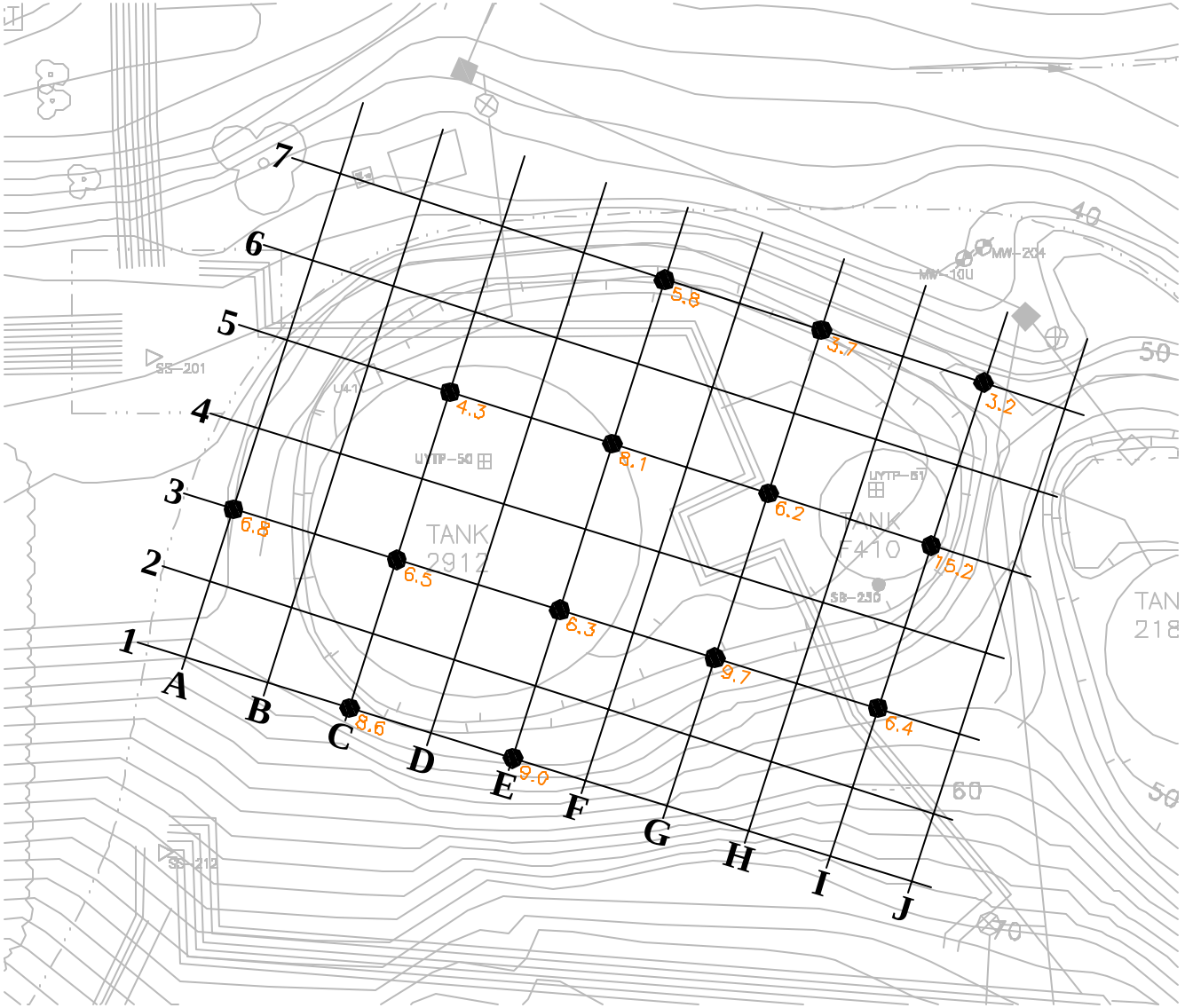
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: 6C

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-32
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA 8 (BASINS 2912 & F410)

LAYOUT: 8

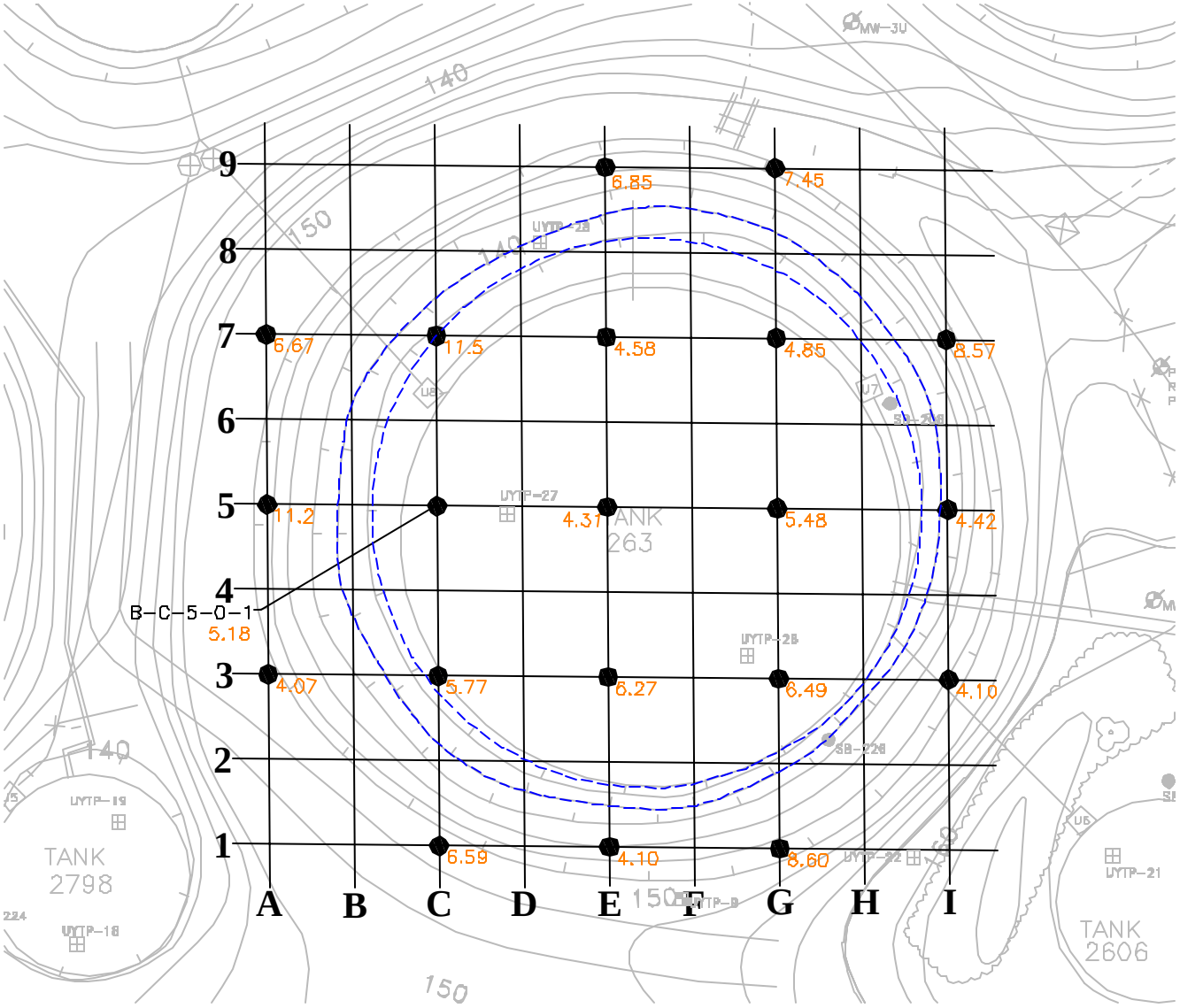
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-33
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA B (BASIN 263)

LAYOUT: B

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION

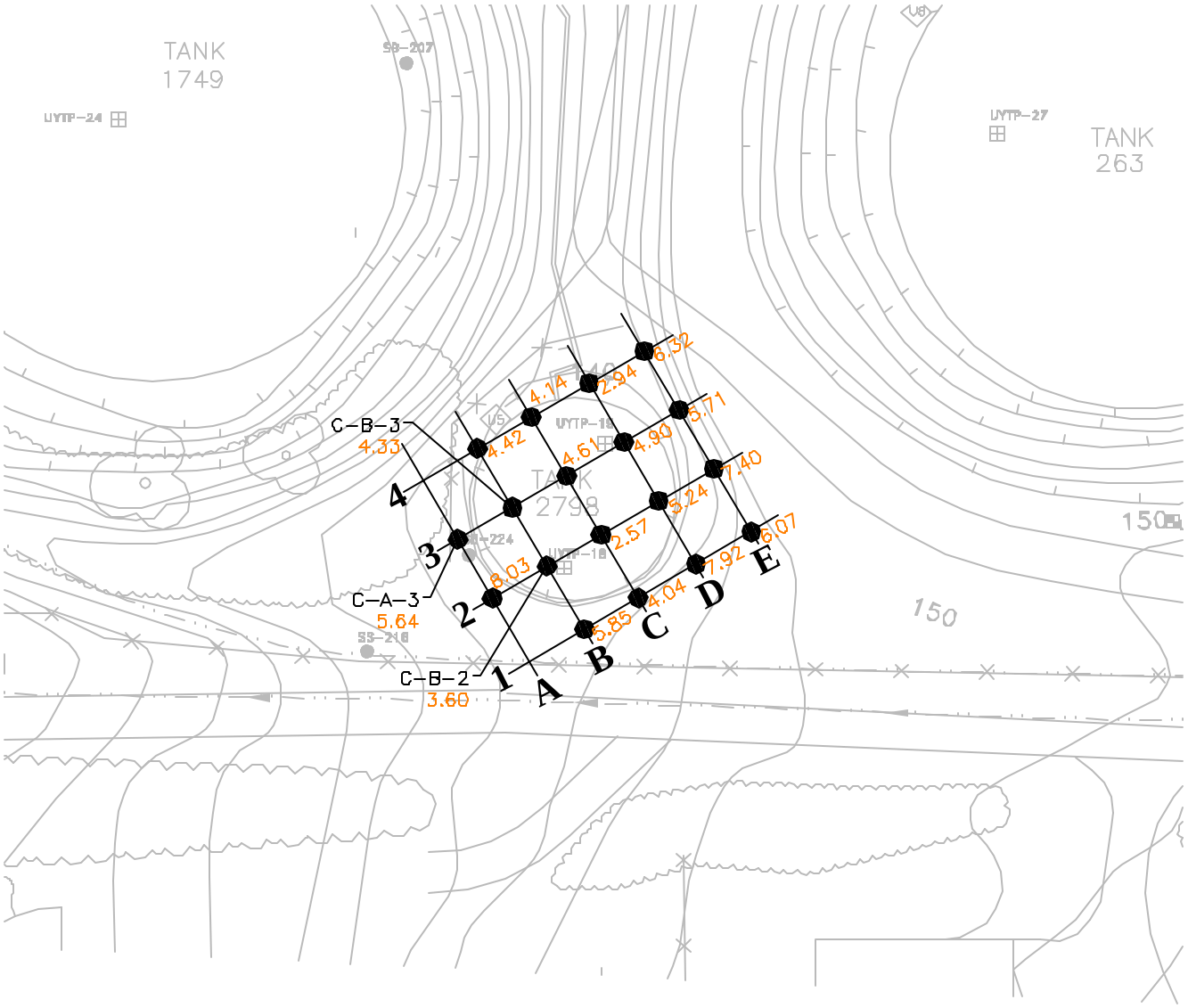

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Figure 5-34
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA C (BASIN 2798)

LAYOUT: C

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION

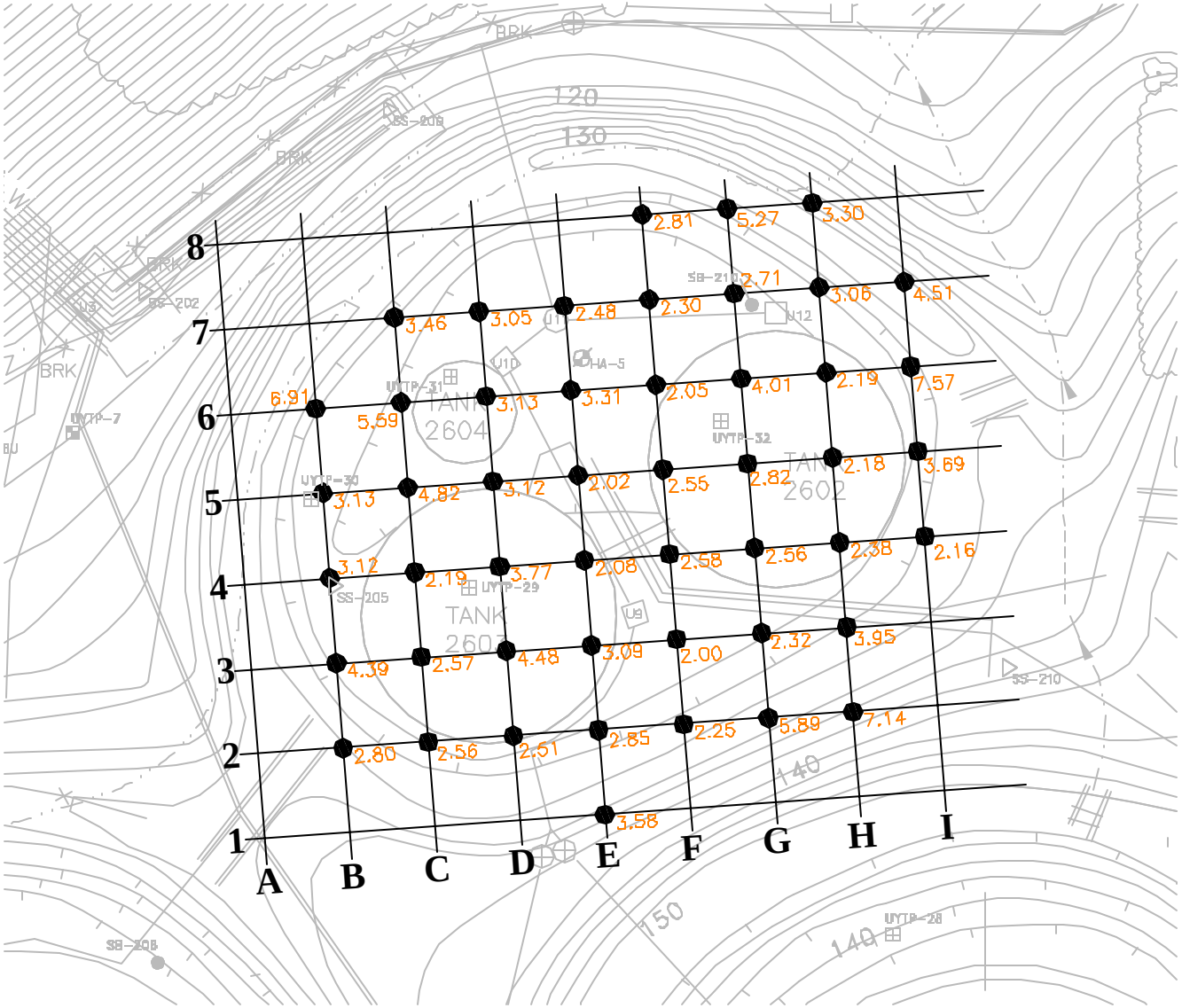

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Figure 5-35
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA F (BASINS 2602, 2603 & 2604)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

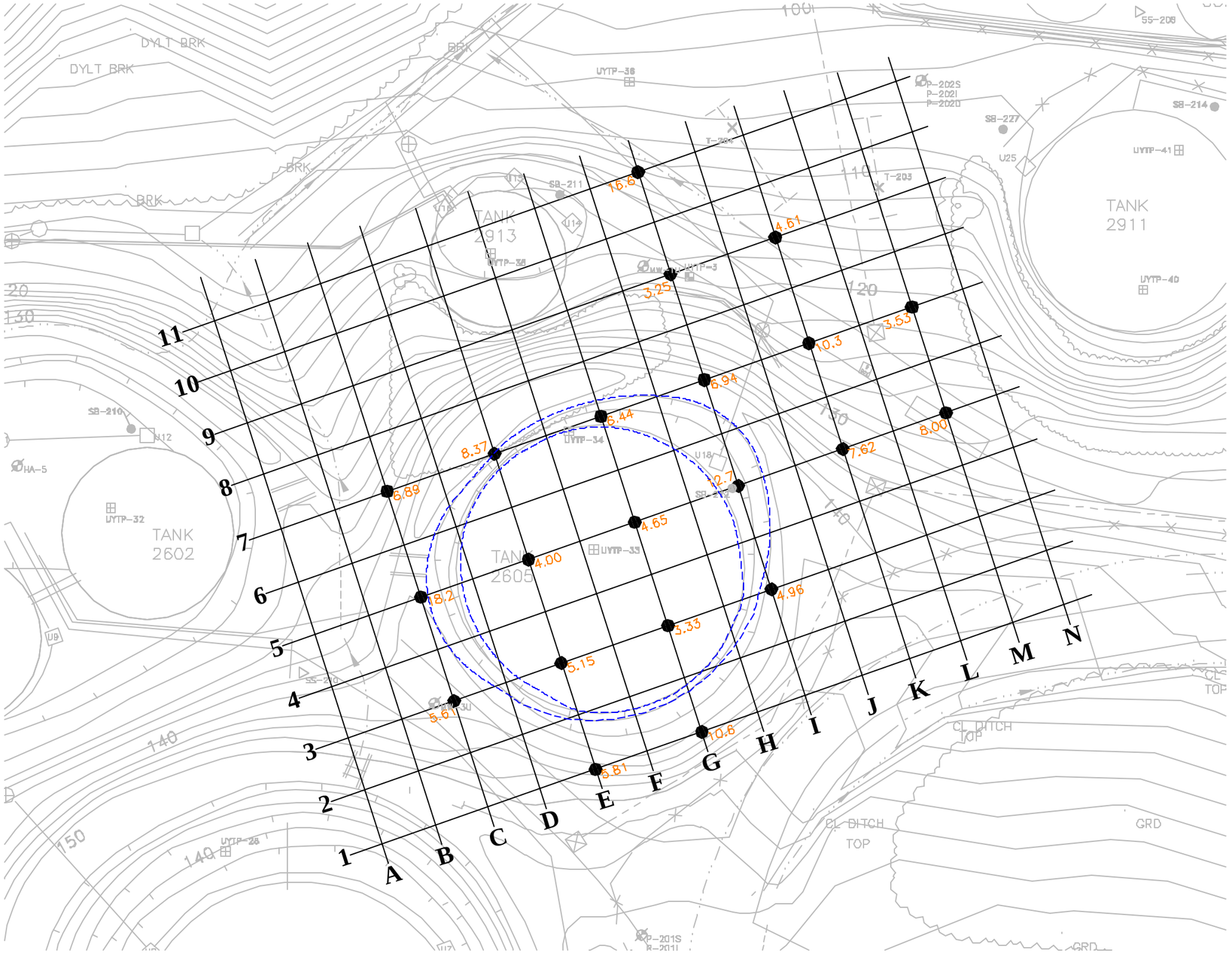
LAYOUT: F

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-36
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA H (BASIN 2605)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: H

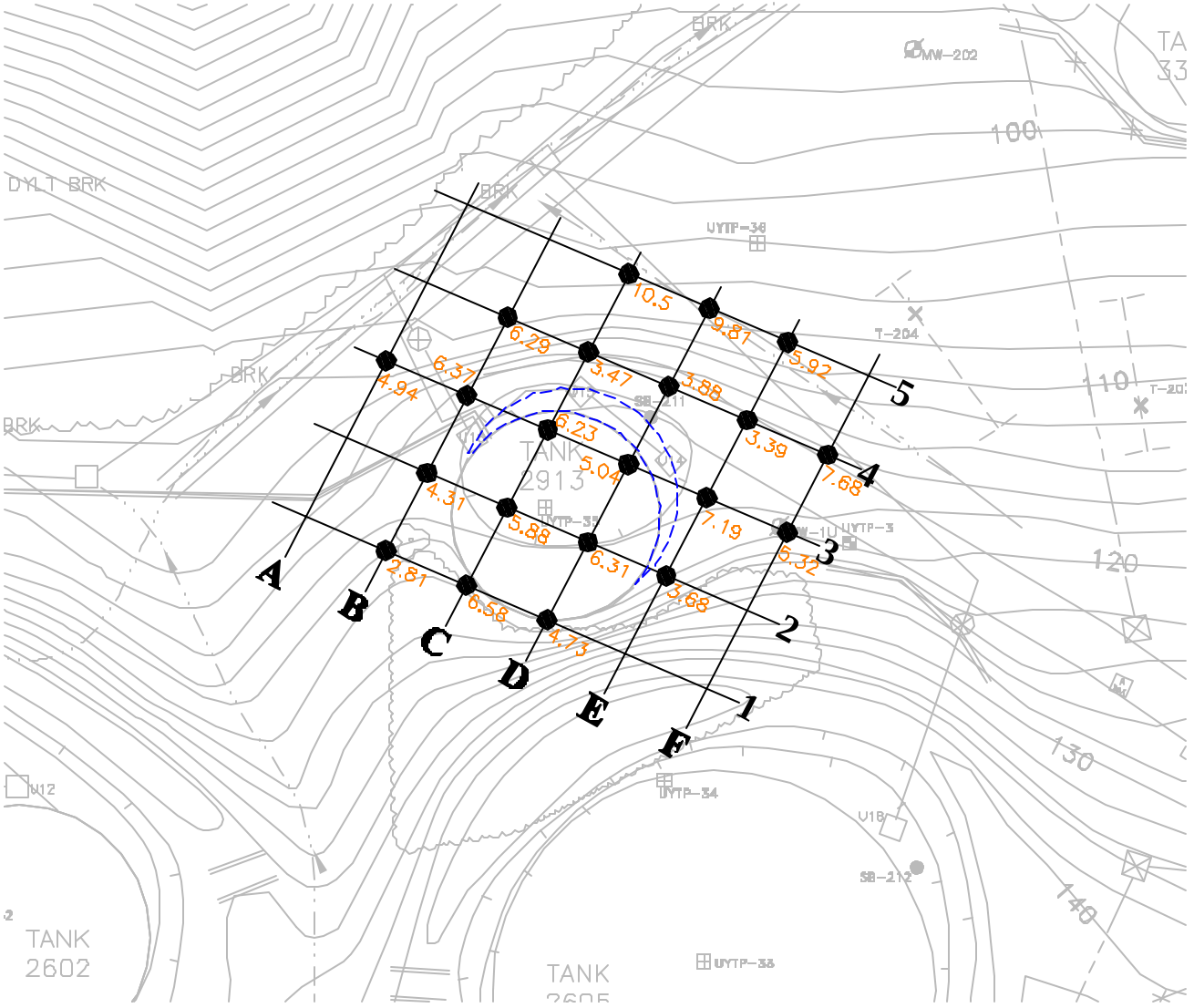
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-37
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA I (BASIN 2913)

LAYOUT: 1

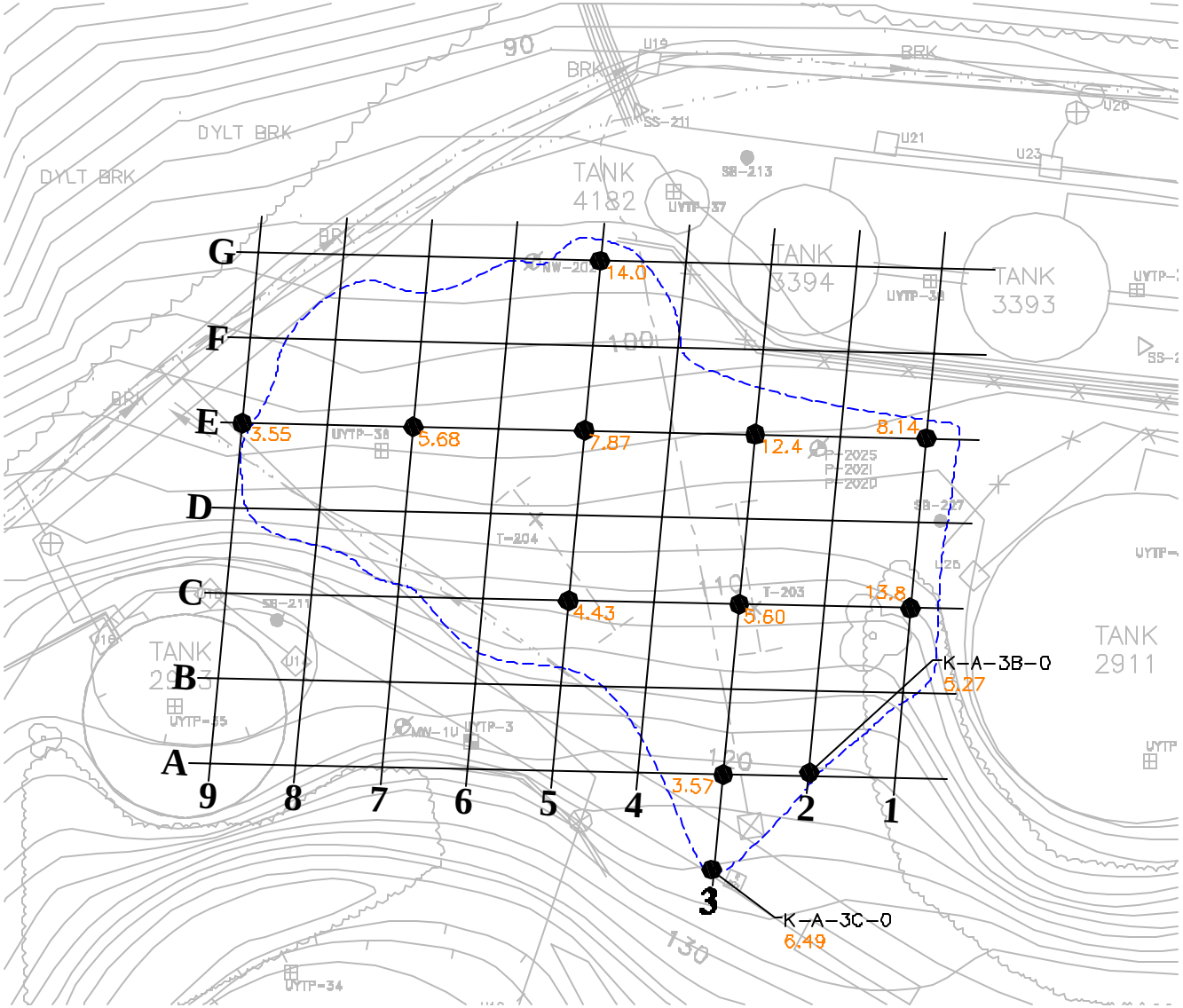
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LEGEND:

METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-38
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

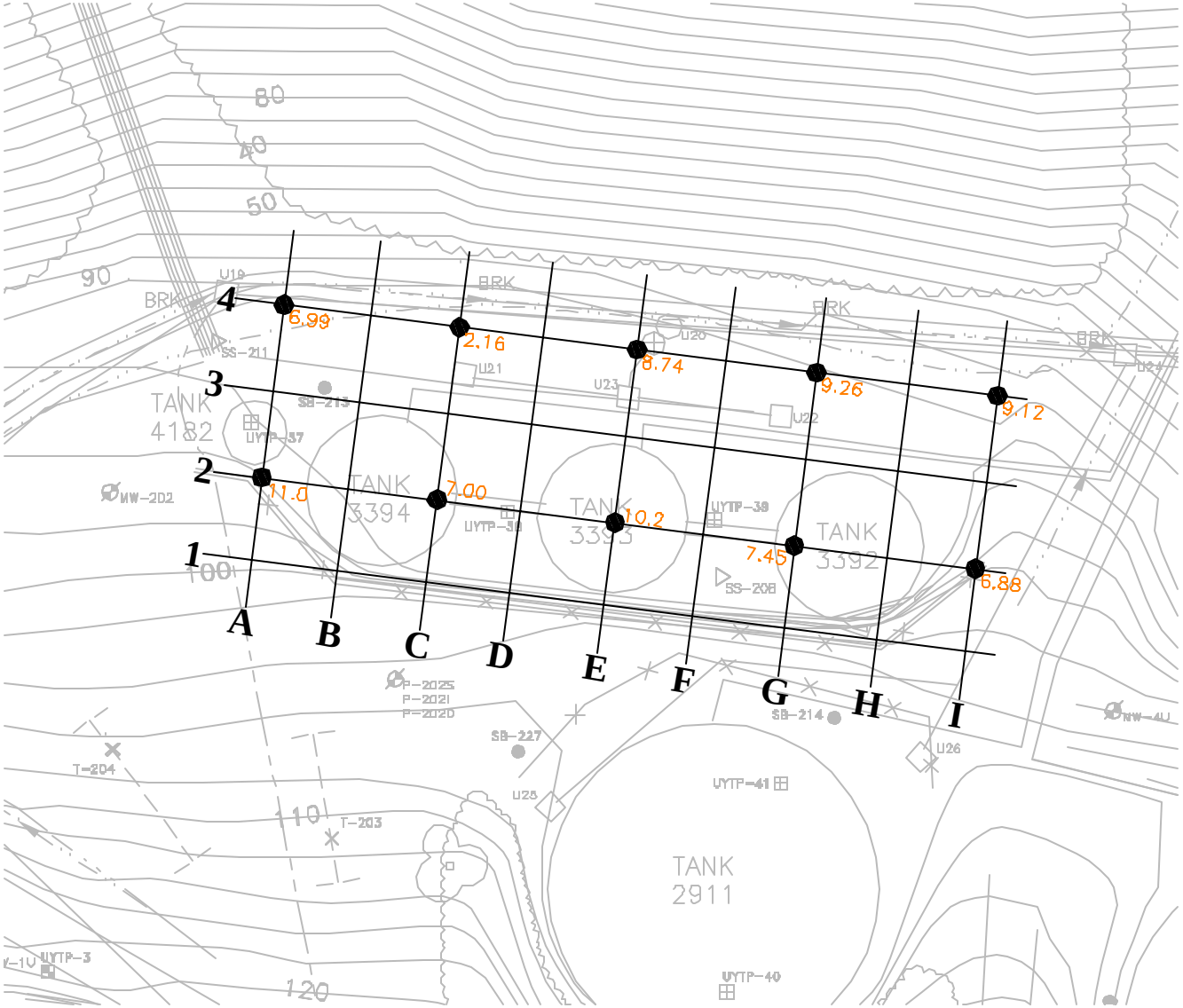
METALS AREA K (T-203 SWALE)

LAYOUT: K

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

SCALE IN FEET

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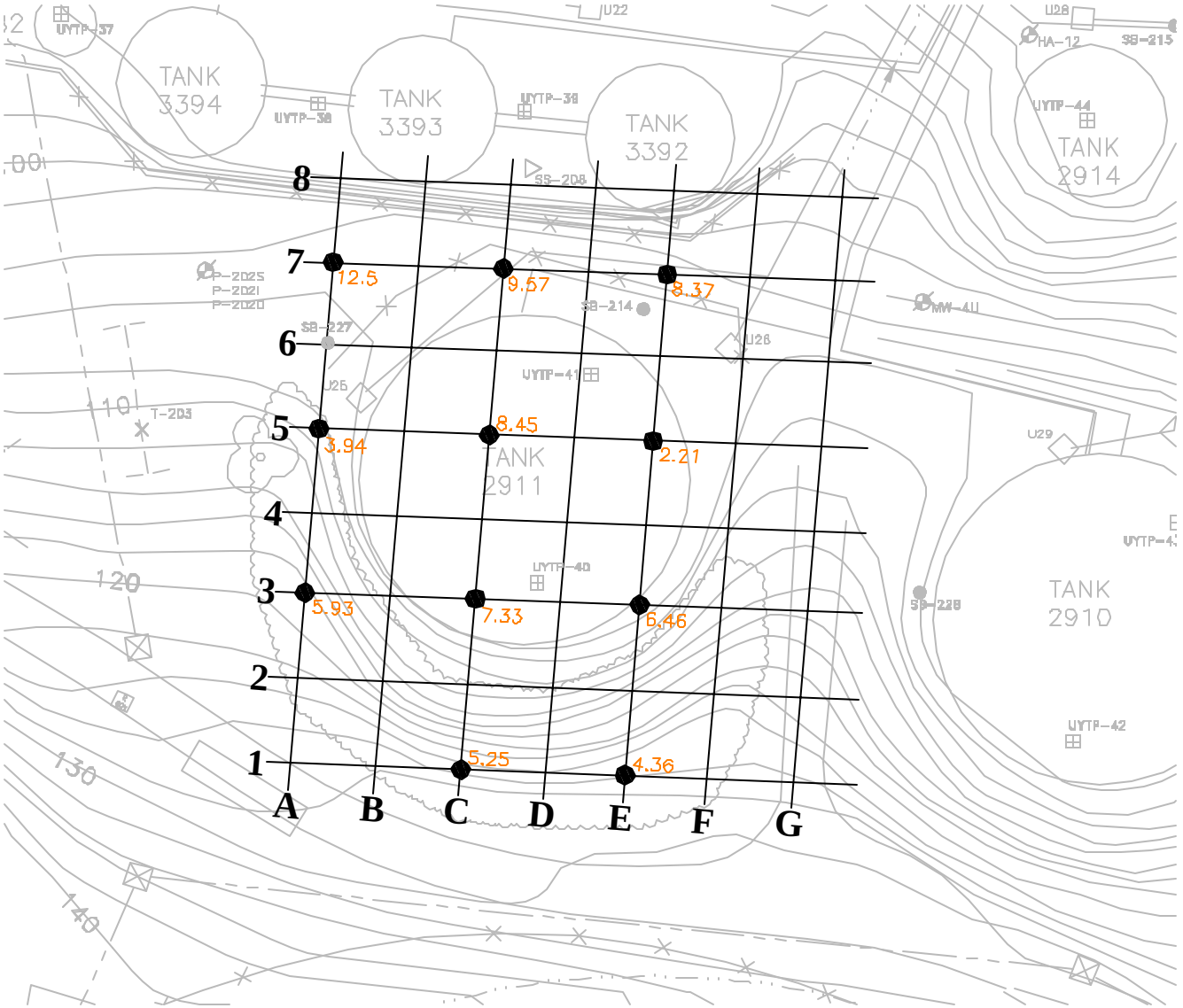
Figure 5-39
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA L (BASINS 3392, 3393, 3394 & 4182)

LAYOUT: L

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-40
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA M (BASIN 2911)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LAYOUT: M

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LAYOUT: N

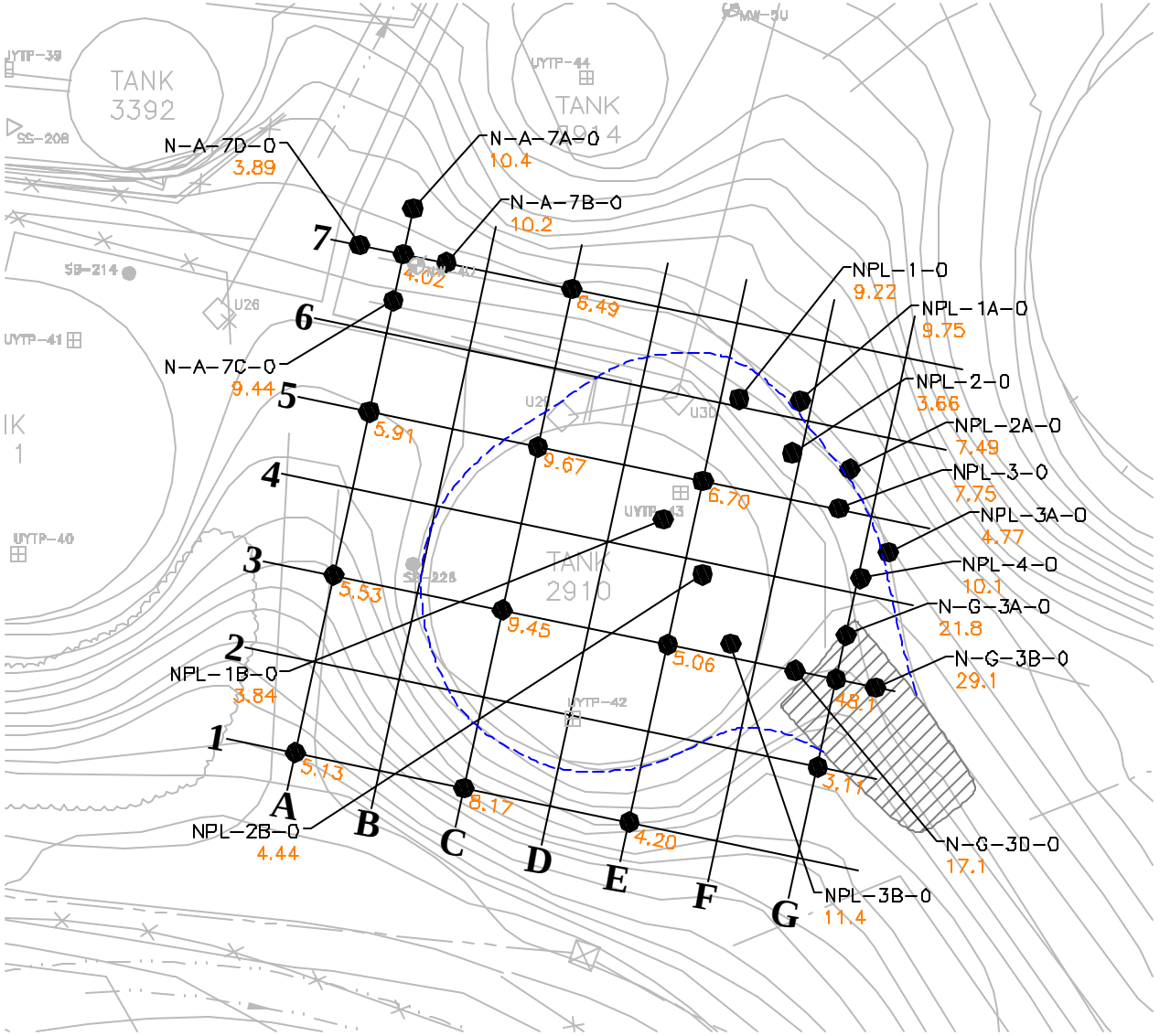
LEGEND:

------ METALS EXCAVATION AREA

BASIN 2910 RAMP AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-41
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA N (BASIN 2910)
AND METALS AREA NPL (AREA N PIPELINE)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

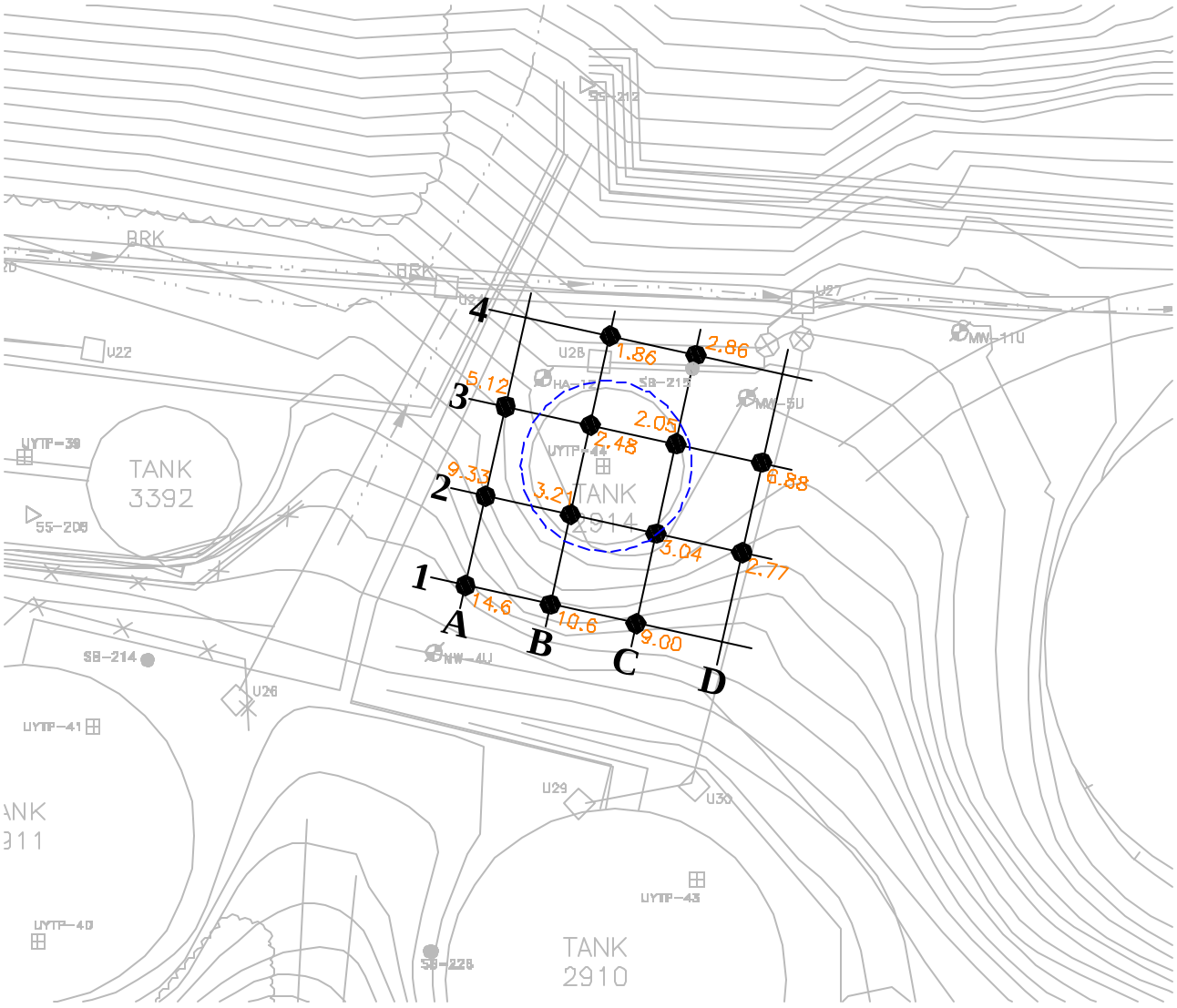
LAYOUT: 0

LEGEND:

------ METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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Figure 5-42
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA O (BASIN 2914)

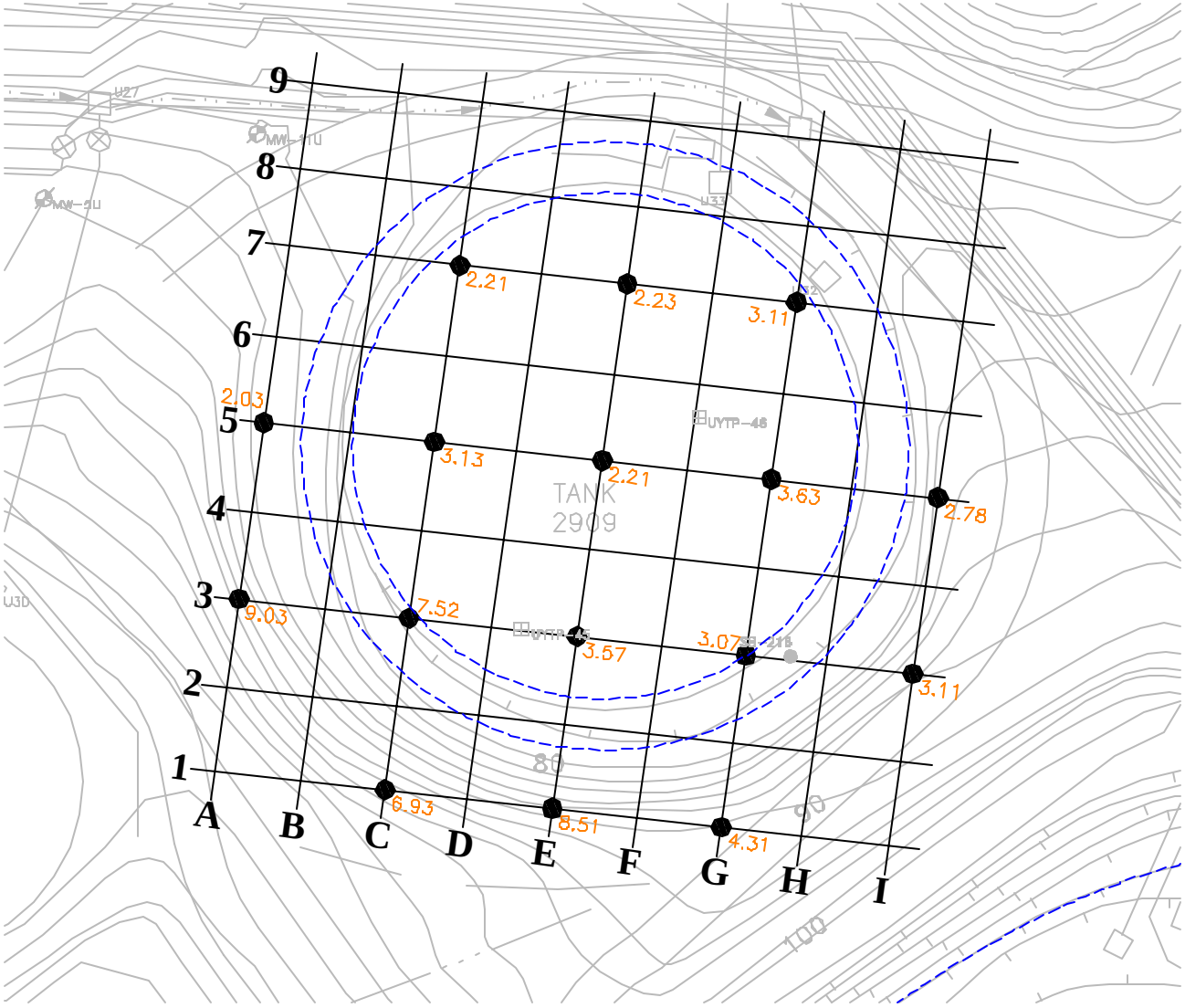
File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LEGEND:

METALS EXCAVATION AREA

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

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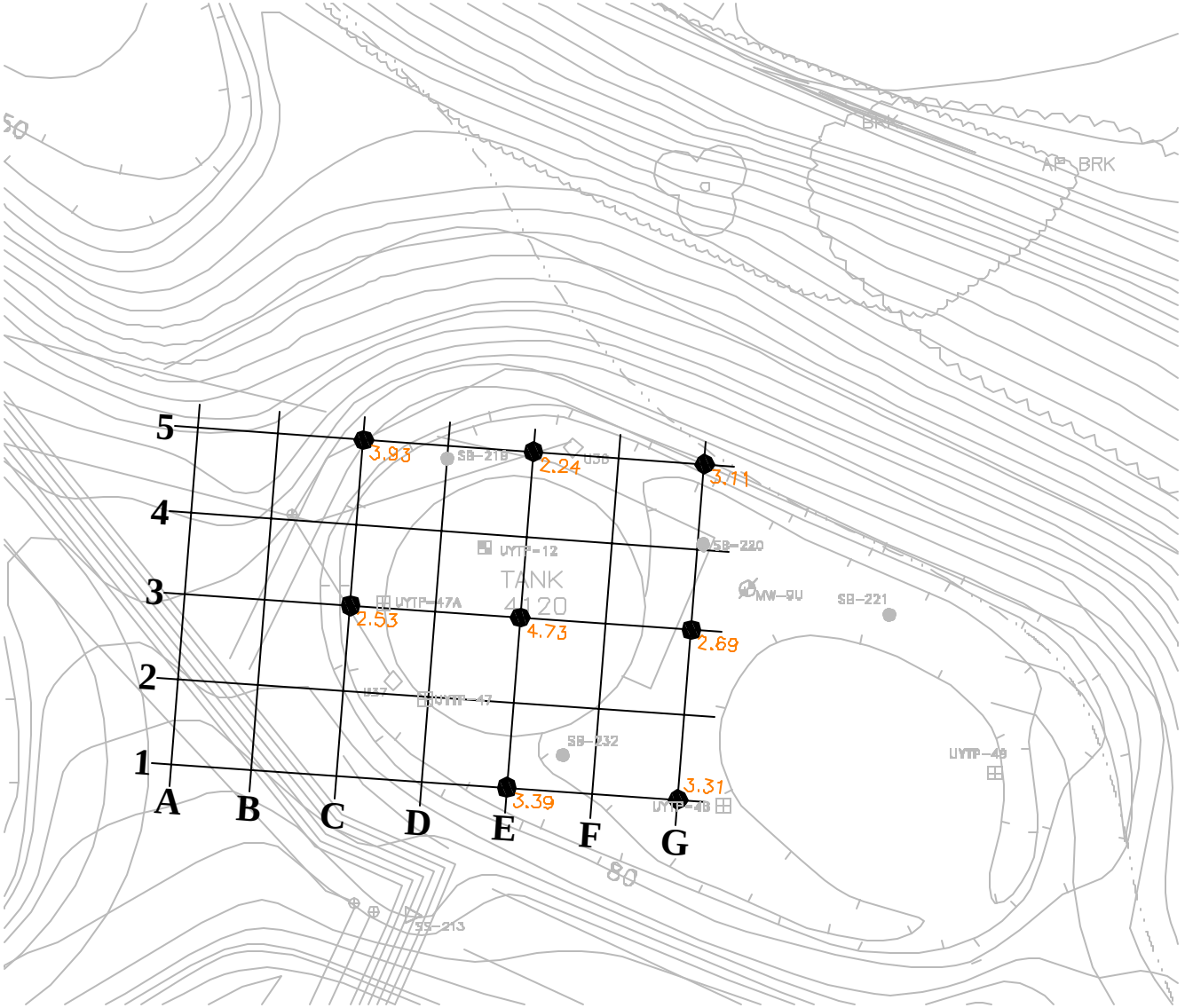
Figure 5-43
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA R (BASIN 2909)

LAYOUT: R

ANALYTICAL RESULTS (mg/kg):

11.7 = ARSENIC CONCENTRATION



0 40 80

SCALE IN FEET

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Figure 5-44
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA S (BASIN 4120)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 10(

LAYOUT: S

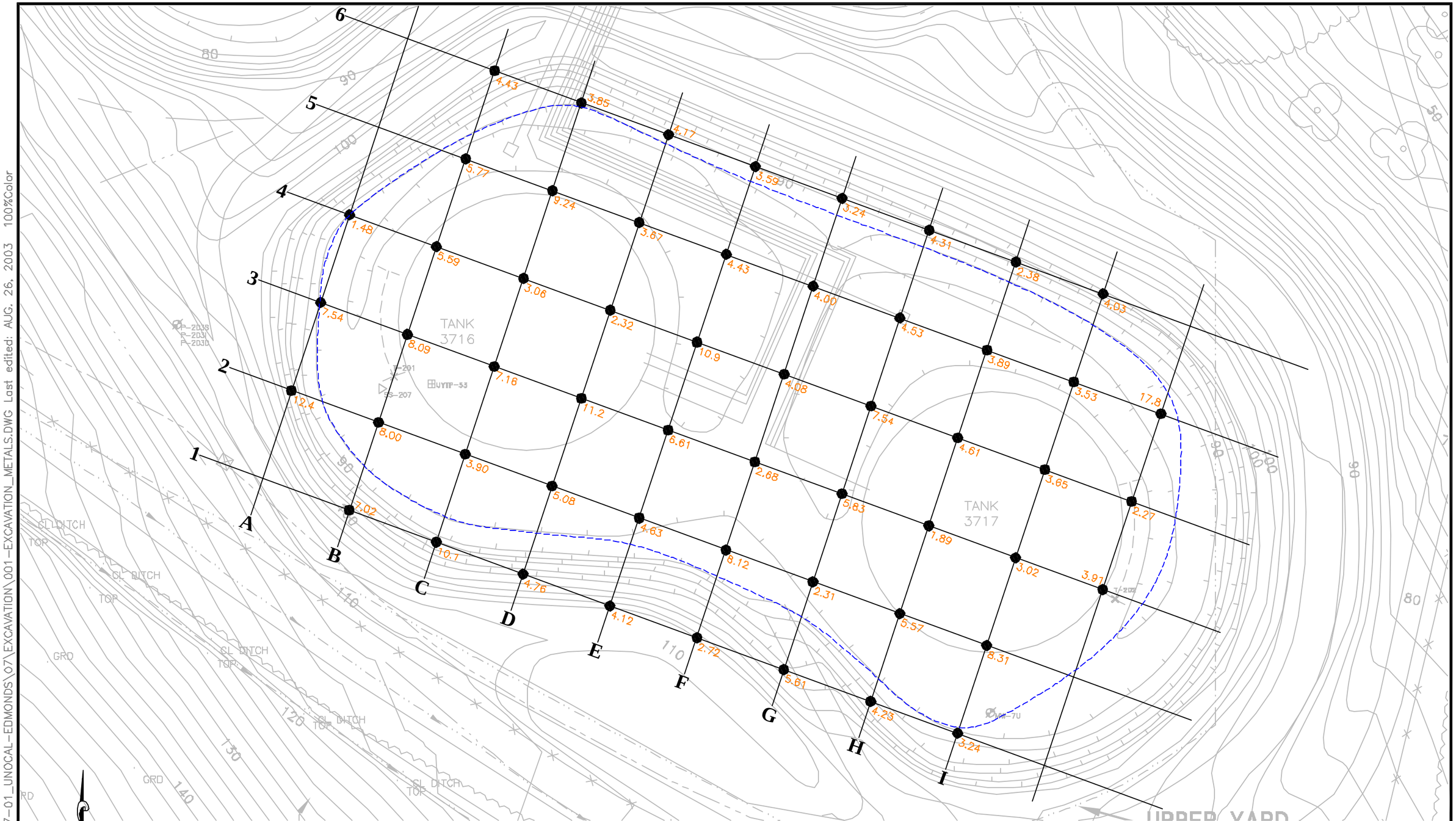

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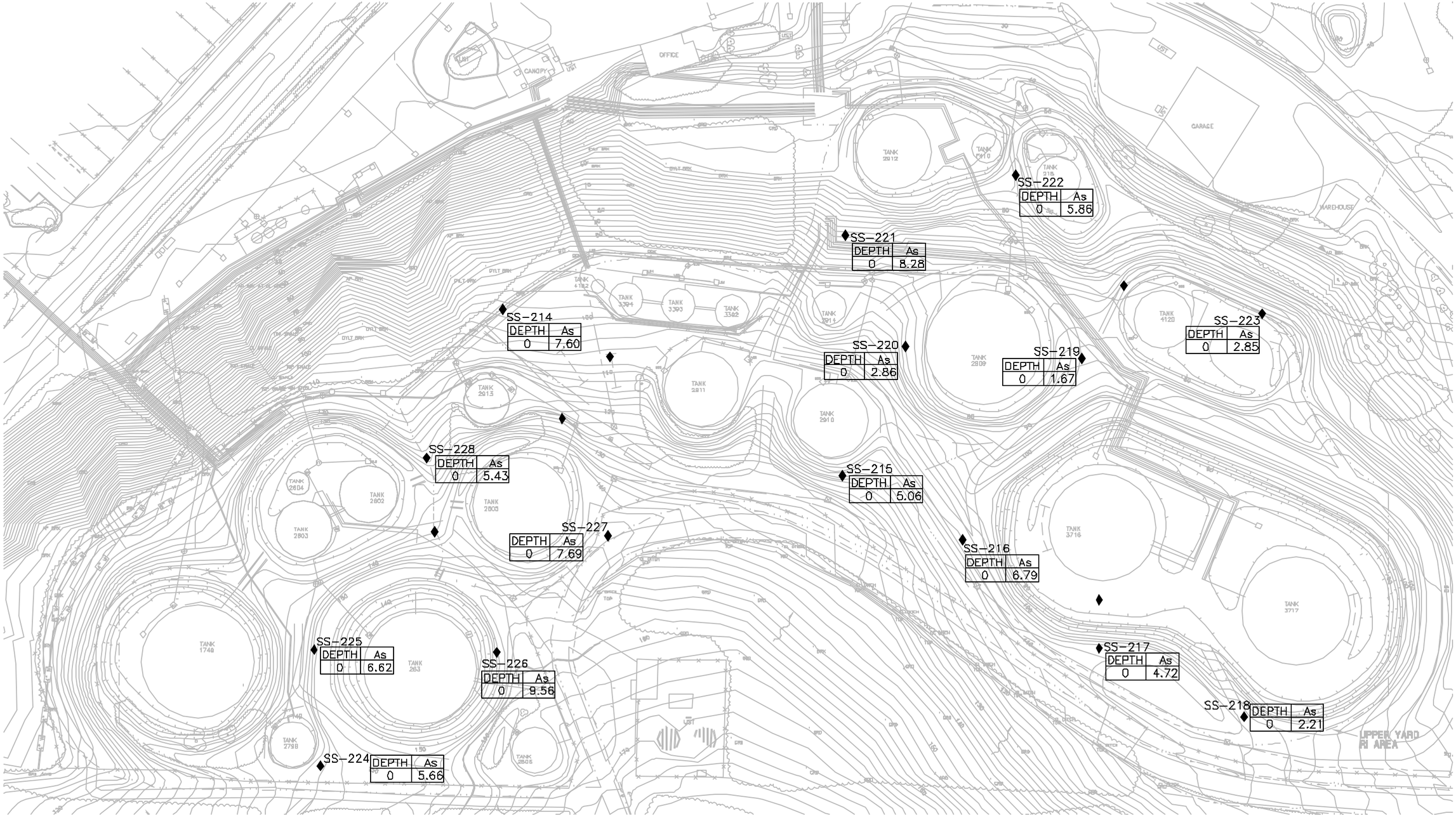
Figure 5-45
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

METALS AREA T (BASINS 3716 & 3717)

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-EXCAVATION_METALS.DWG Last edited: AUG. 26, 2003 100%Color

LAYOUT: T



Sample depth (in feet below ground surface) | Arsenic (mg/kg)
0 | 0

◆ RANDOMLY – SELECTED SAMPLE LOCATION

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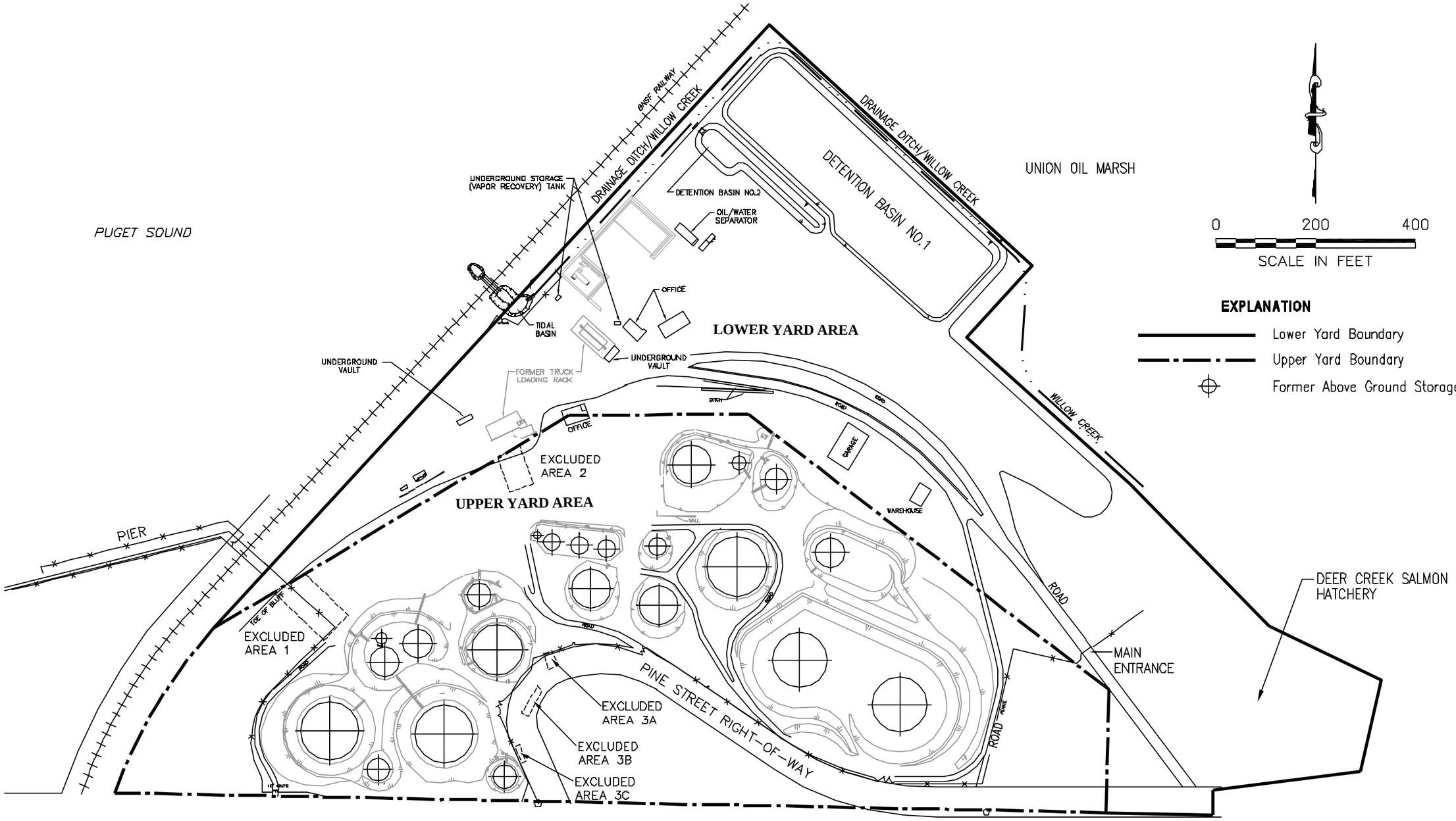
Figure 5-46
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

ADDITIONAL METALS SAMPLE LOCATIONS

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-METALS SAMPLES.DWG Last edited: AUG. 26, 2003 @ 09:32 a.m. Xrefs: Upper yard base black/

LAYOUT: 1

File: G:\9000\9077-01_UNOCAL-EDMONDS\07\EXCAVATION\001-SITE PLAN.DWG Last edited: AUG. 26, 2003 @ 09:33 a.m. by: ayoung Xrefs: none black/white



Source: Union Oil Company of California – Los Angeles, California. Site area study General Arrangement Edmonds Terminal – Edmonds, Washington. 10/12/92

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Figure 5-47
UNOCAL EDMONDS TERMINAL
EDMONDS, WASHINGTON

AREAS EXCLUDED FROM COMPLIANCE DEMONSTRATION

LAYOUT: 2