REACH 4

REACH 5
(See Figure 2)

MATCH LINE

REACH 3

REACH 2

REACH 1

DRGG

LAKEVIEW AVE.

HAMILTON BLVD.

CORNELL DUBILIER
ELECTRONICS SITE

NEW MARKET RD.

SPICER AVE.

BOUND BROOK

BELMONT AVE.

N

258557

GRAPHIC SCALE

156 0 78.0 156 312

(IN FEET)
1 inch = 156 ft.
(APPROXIMATE)

FIGURE 1 - SITE MAP - BOUND BROOK
CORNELL DUBILIER ELECTRONICS SITE - REACHES 1-4
SOUTH PLAINFIELD, NEW JERSEY
OCTOBER 1997

US EPA REMOVAL ACTION BRANCH
SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
CONTRACT# 68-W5-0019

WESTON Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

IN ASSOCIATION WITH PRC ENVIRONMENTAL MANAGEMENT, INC., C.C. JOHNSON & MALHOTRA, P.C., RESOURCE APPLICATIONS, INC., R.E. SARRIERA ASSOCIATES, AND GRB ENVIRONMENTAL SERVICES, INC.

EDITED BY : J. HAMPTON JR.
EPA TASK MONITOR: D. HARKAY
START PROJECT MANAGER: M. MAHNKOPF

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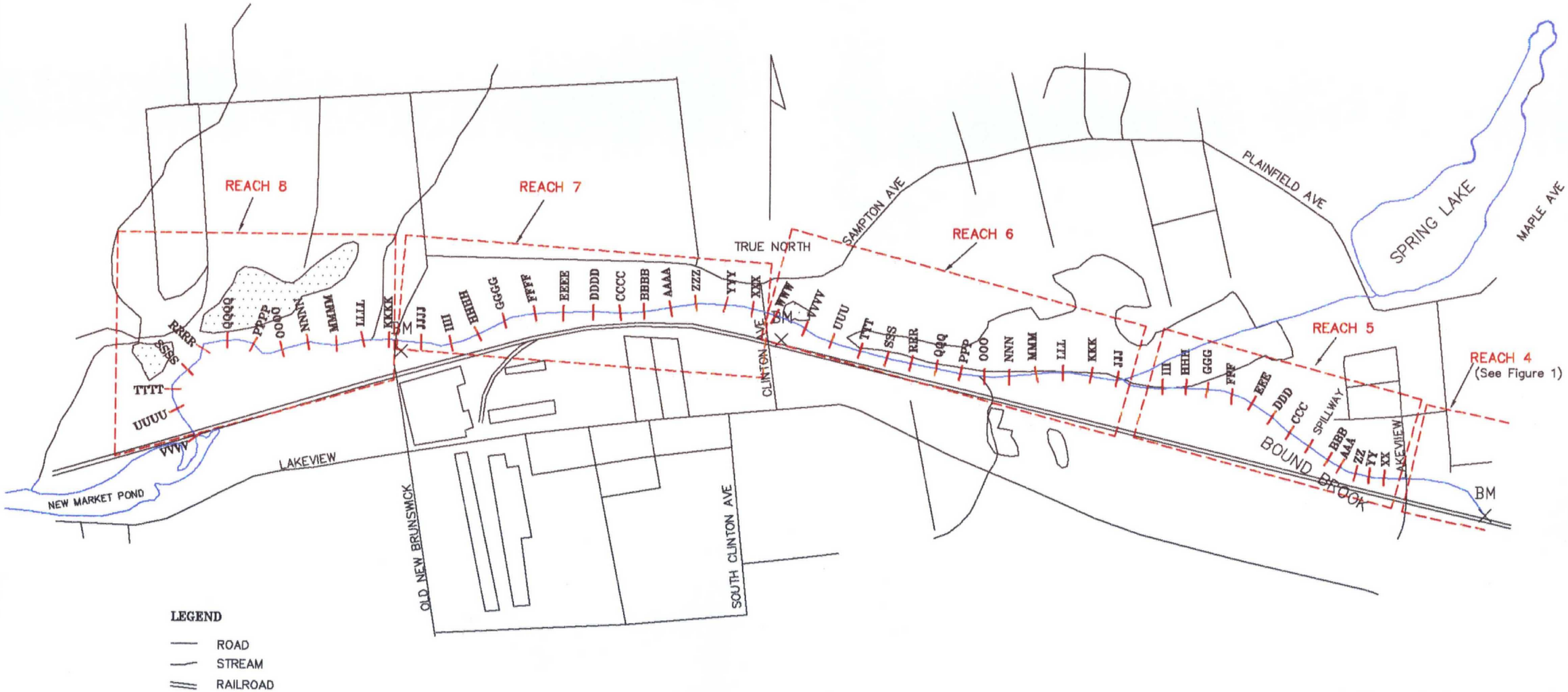

0 100 200 300 400 500 600

SCALE IN METERS

FIGURE 2 - SITE MAP - BOUND BROOK
CORNELL-DUBILIER ELECTRONICS - REACHES 5-8
SOUTH PLAINFIELD, NEW JERSEY
DECEMBER 1997

US EPA REMOVAL ACTION BRANCH

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
CONTRACT# 68-W5-0019

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DRAWN BY : J. HAMPTON JR.
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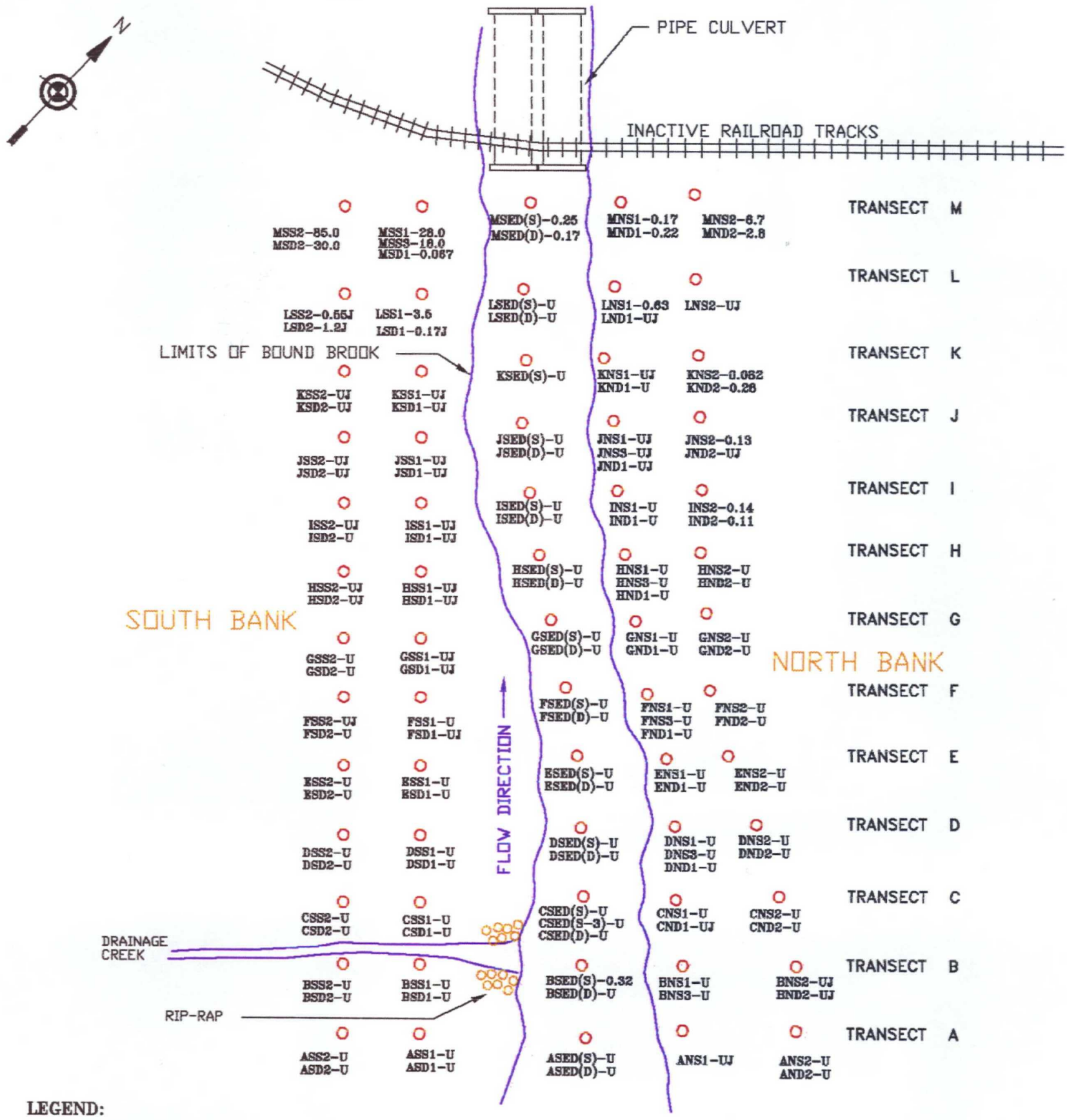

LEGEND:

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE

SAMPLE DESIGNATION EXAMPLE No. 1

ANS1
A = TRANSECT A
N = NORTH BANK
S = SURFACE (0-6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

BSD2 WHERE:
B = TRANSECT B
S = SOUTH BANK
D = DEPTH (18"-24" OR 0-6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

CSED(S) WHERE:
C = TRANSECT C
SED = SEDIMENT SAMPLE
(S) = SURFACE (0-6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"-24" OR 0-6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

TRANSECTS ARE SPACED ON 50 FEET CENTERS

- DRAWING NOT TO SCALE -

FIGURE 3 - CORNELL-DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK - REACH 1/TRANSECTS A - M

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CONTRACT# 68-W5-0019

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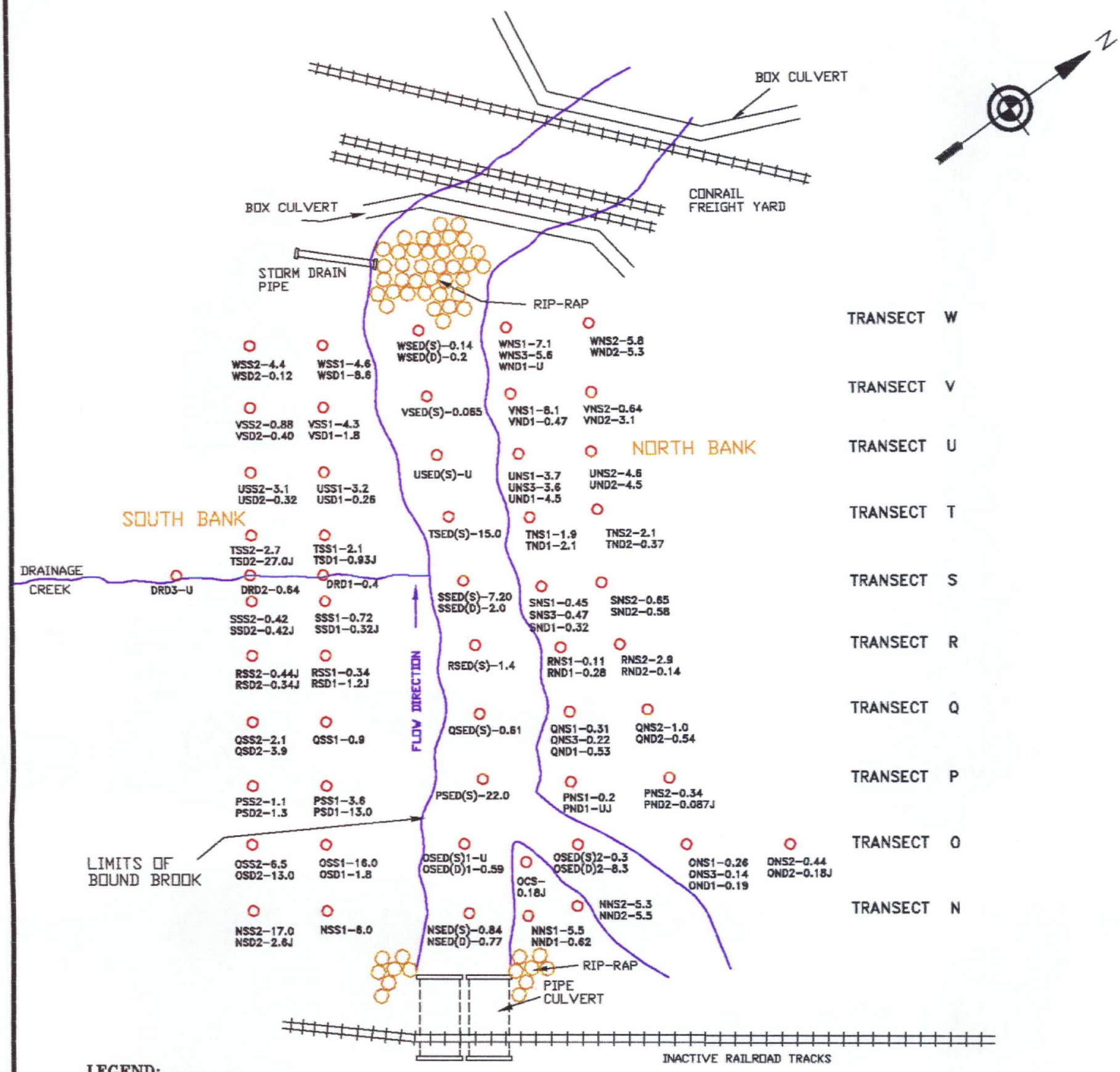

LEGEND:

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE

SAMPLE DESIGNATION EXAMPLE No. 1

NNS1
N = TRANSECT N
N = NORTH BANK
S = SURFACE (0–6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

OSD2 WHERE:
O = TRANSECT O
S = SOUTH BANK
D = DEPTH (18"–24" OR 0–6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

PSED(S) WHERE:
P = TRANSECT P
SED = SEDIMENT SAMPLE
(S) = SURFACE (0–6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"–24" OR 0–6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

TRANSECTS ARE SPACED ON 50 FEET CENTERS

– DRAWING NOT TO SCALE –

FIGURE 4 – CORNELL-DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK – REACH 2/TRANSECTS N – W

US EPA REMOVAL ACTION BRANCH

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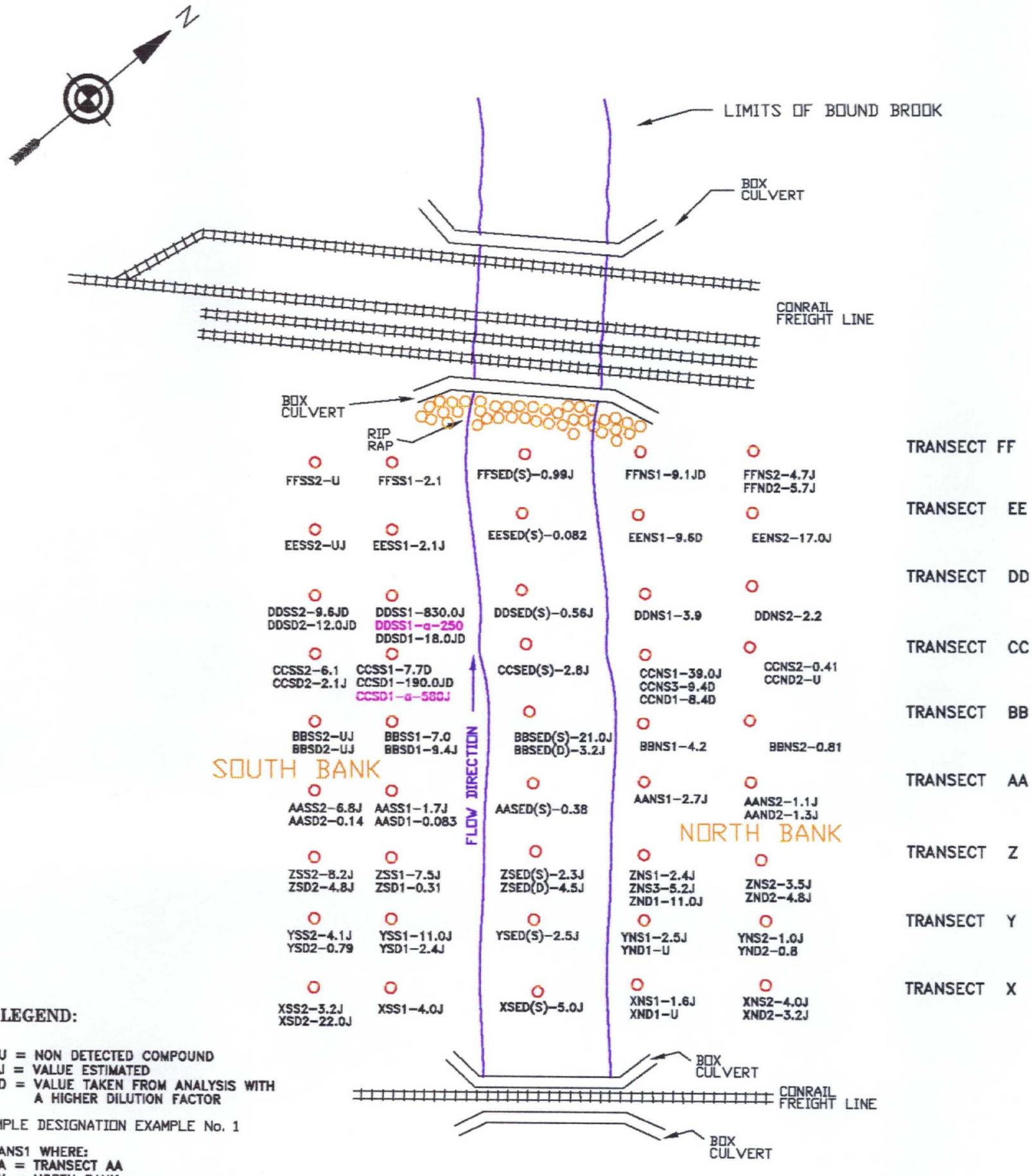

LEGEND:

U = NON DETECTED COMPOUND
J = VALUE ESTIMATED
D = VALUE TAKEN FROM ANALYSIS WITH A HIGHER DILUTION FACTOR

SAMPLE DESIGNATION EXAMPLE No. 1

AANS1 WHERE:
AA = TRANSECT AA
N = NORTH BANK
S = SURFACE (0-6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

BBSD2 WHERE:
BB = TRANSECT BB
S = SOUTH BANK
D = DEPTH (18"-24" OR 0-6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

CCSED(S) WHERE:
CC = TRANSECT CC
SED = SEDIMENT SAMPLE
(S) = SURFACE (0-6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"-24" OR 0-6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

TRANSECTS ARE SPACED ON 50 FEET CENTERS

- DRAWING NOT TO SCALE -

FIGURE 5 - CORNELL-DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK - REACH 3/TRANSECTS X - FF

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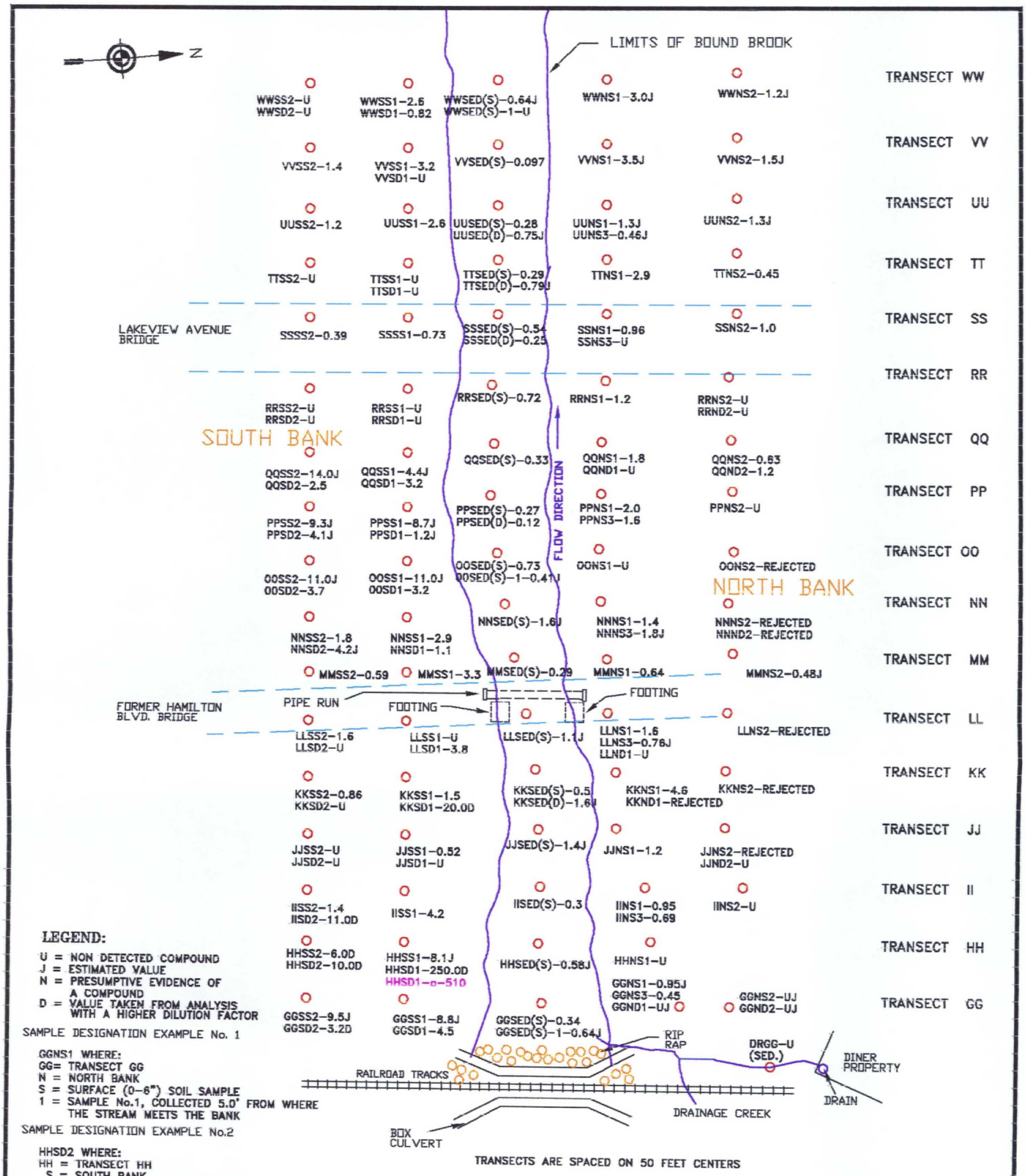

LEGEND:

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE
N = PRESUMPTIVE EVIDENCE OF A COMPOUND
D = VALUE TAKEN FROM ANALYSIS WITH A HIGHER DILUTION FACTOR

SAMPLE DESIGNATION EXAMPLE No. 1

GGNS1 WHERE:
GG= TRANSECT GG
N = NORTH BANK
S = SURFACE (0-6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

HHSD2 WHERE:
HH = TRANSECT HH
S = SOUTH BANK
D = DEPTH (18"-24" OR 0-6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

KKSED(S) WHERE:
KK = TRANSECT KK
SED = SEDIMENT SAMPLE
(S) = SURFACE (0-6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"-24" OR 0-6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

TRANSECTS ARE SPACED ON 50 FEET CENTERS

- DRAWING NOT TO SCALE -

FIGURE 6 - CORNELL-DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK - REACH 4/TRANSECTS GG - WW

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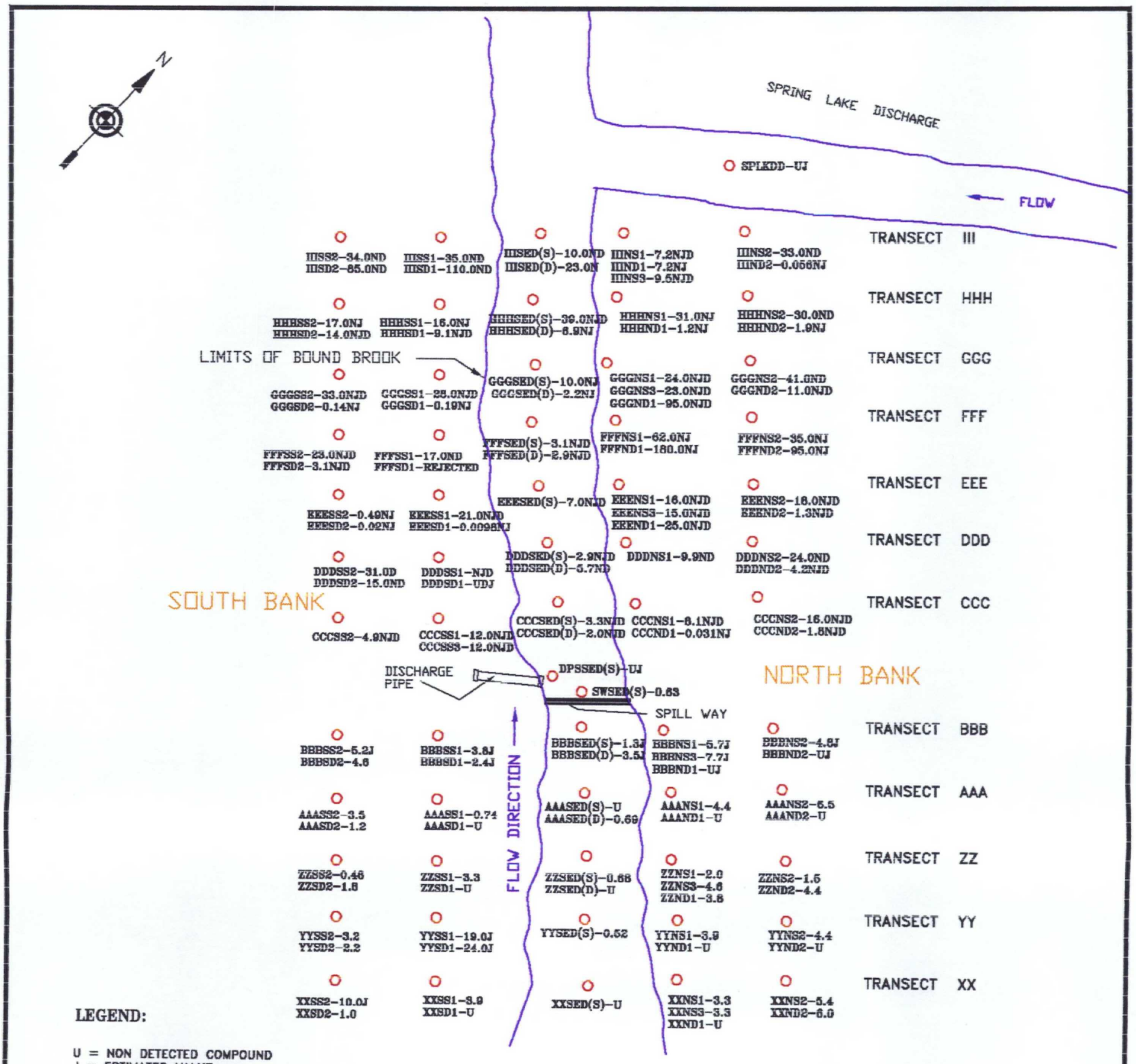

LEGEND:

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE
N = PRESUMPTIVE EVIDENCE OF A COMPOUND
D = VALUE TAKEN FROM ANALYSIS WITH A HIGHER DILUTION FACTOR

SAMPLE DESIGNATION EXAMPLE No. 1

XXNS1 WHERE:
XX = TRANSECT XX
N = NORTH BANK
S = SURFACE (0-6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

YYSD2 WHERE:
YY = TRANSECT YY
S = SOUTH BANK
D = DEPTH (18"-24" OR 0-6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

AAASED(S) WHERE:
AAA = TRANSECT AAA
SED = SEDIMENT SAMPLE
(S) = SURFACE (0-6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"-24" OR 0-6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

TRANSECTS XX - BBB ARE SPACED ON 100 FEET CENTERS
TRANSECTS BBB - III ARE SPACED ON 200 FEET CENTERS

- DRAWING NOT TO SCALE -

FIGURE 7 - CORNELL-DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK - REACH 5/TRANSECTS XX - III

US EPA REMOVAL ACTION BRANCH

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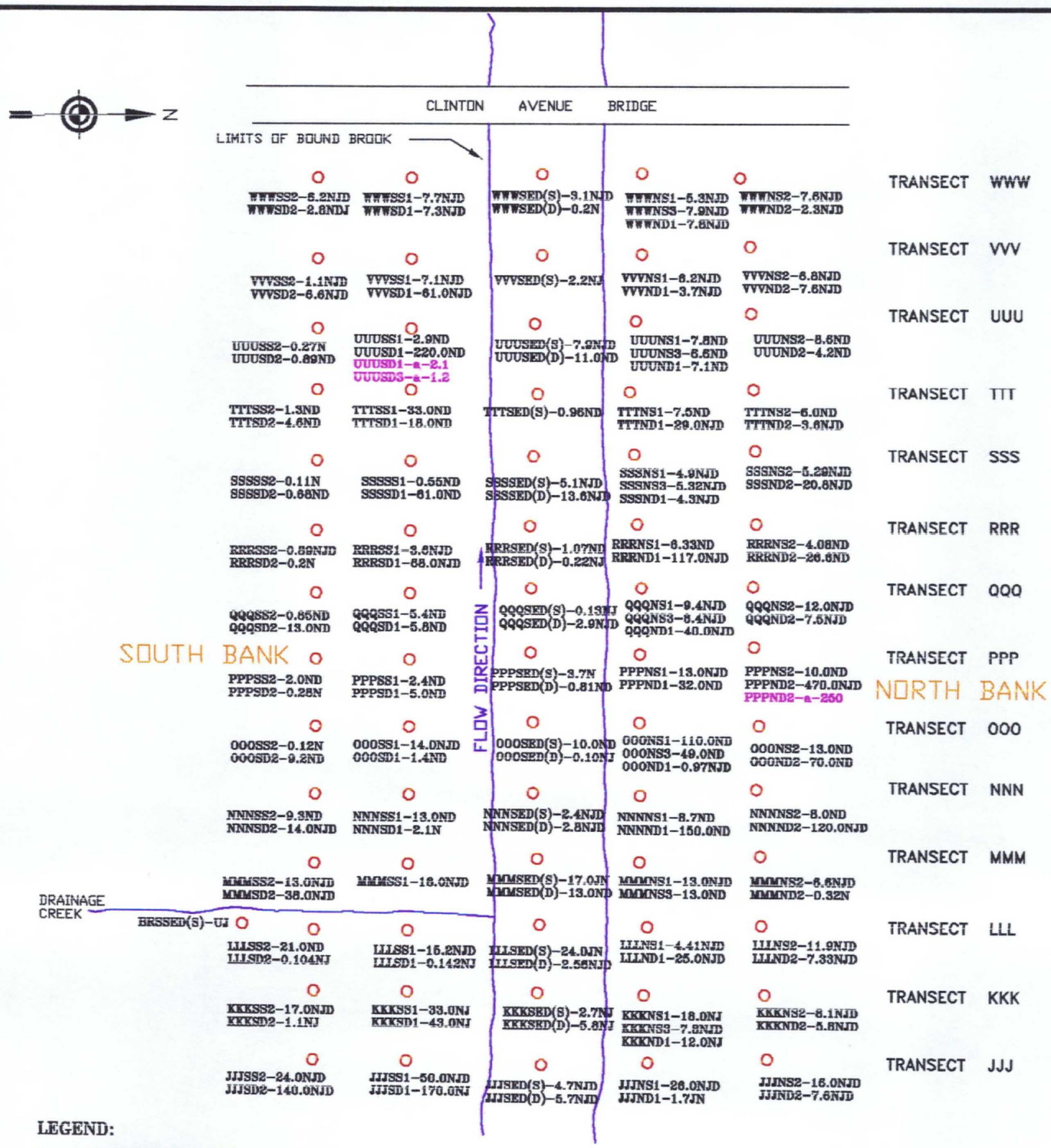

LEGEND:

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE
N = PRESUMPTIVE EVIDENCE OF A COMPOUND
D = VALUE TAKEN FROM ANALYSIS WITH A HIGHER DILUTION FACTOR

TRANSECTS ARE SPACED ON 200 FEET CENTERS

SAMPLE DESIGNATION EXAMPLE No. 1

JJJNS1 WHERE:
JJJ = TRANSECT JJJ
N = NORTH BANK
S = SURFACE (0-6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

KKKSD2 WHERE:
KKK = TRANSECT KKK
S = SOUTH BANK
D = DEPTH (18"-24" OR 0-6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

LLLSED(S) WHERE:
LLL = TRANSECT LLL
SED = SEDIMENT SAMPLE
(S) = SURFACE (0-6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"-24" OR 0-6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

- DRAWING NOT TO SCALE -

FIGURE 6 - CORNELL-DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK - REACH 6/TRANSECTS JJJ - WWW

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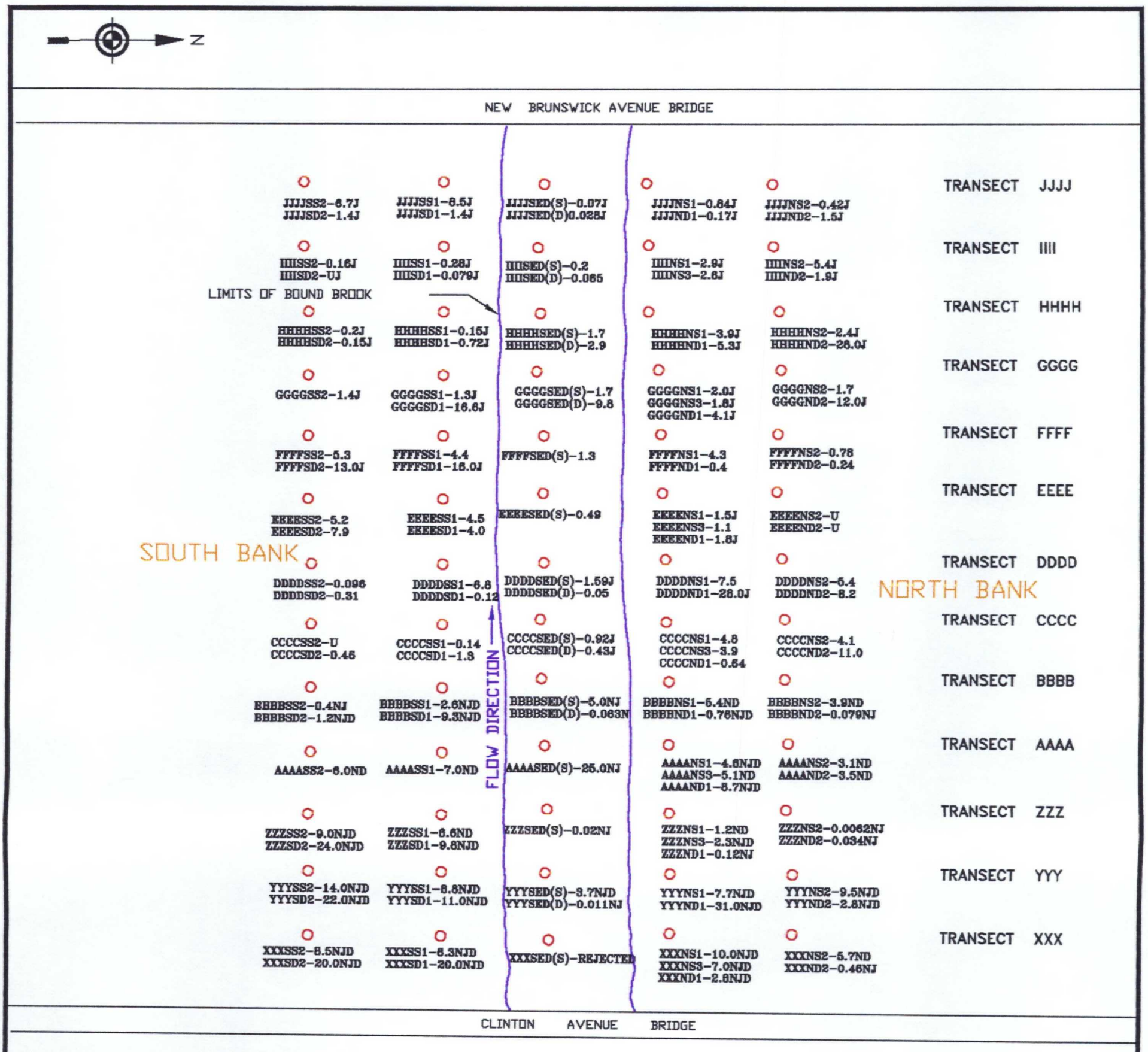

LEGEND:

TRANSECTS ARE SPACED ON 200 FEET CENTERS

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE
N = PRESUMPTIVE EVIDENCE OF A COMPOUND
D = VALUE TAKEN FROM ANALYSIS WITH A HIGHER DILUTION FACTOR

SAMPLE DESIGNATION EXAMPLE No. 1

XXXNS1 WHERE:
XXX = TRANSECT XXX
N = NORTH BANK
S = SURFACE (0–6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

YYYSD2 WHERE:
YYY = TRANSECT YYY
S = SOUTH BANK
D = DEPTH (18"–24" OR 0–6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

ZZZSED(S) WHERE:
ZZZ = TRANSECT ZZZ
SED = SEDIMENT SAMPLE
(S) = SURFACE (0–6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"–24" OR 0–6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

– DRAWING NOT TO SCALE –

FIGURE 9 – CORNELL–DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK – REACH 7/TRANSECTS XXX – JJJJ

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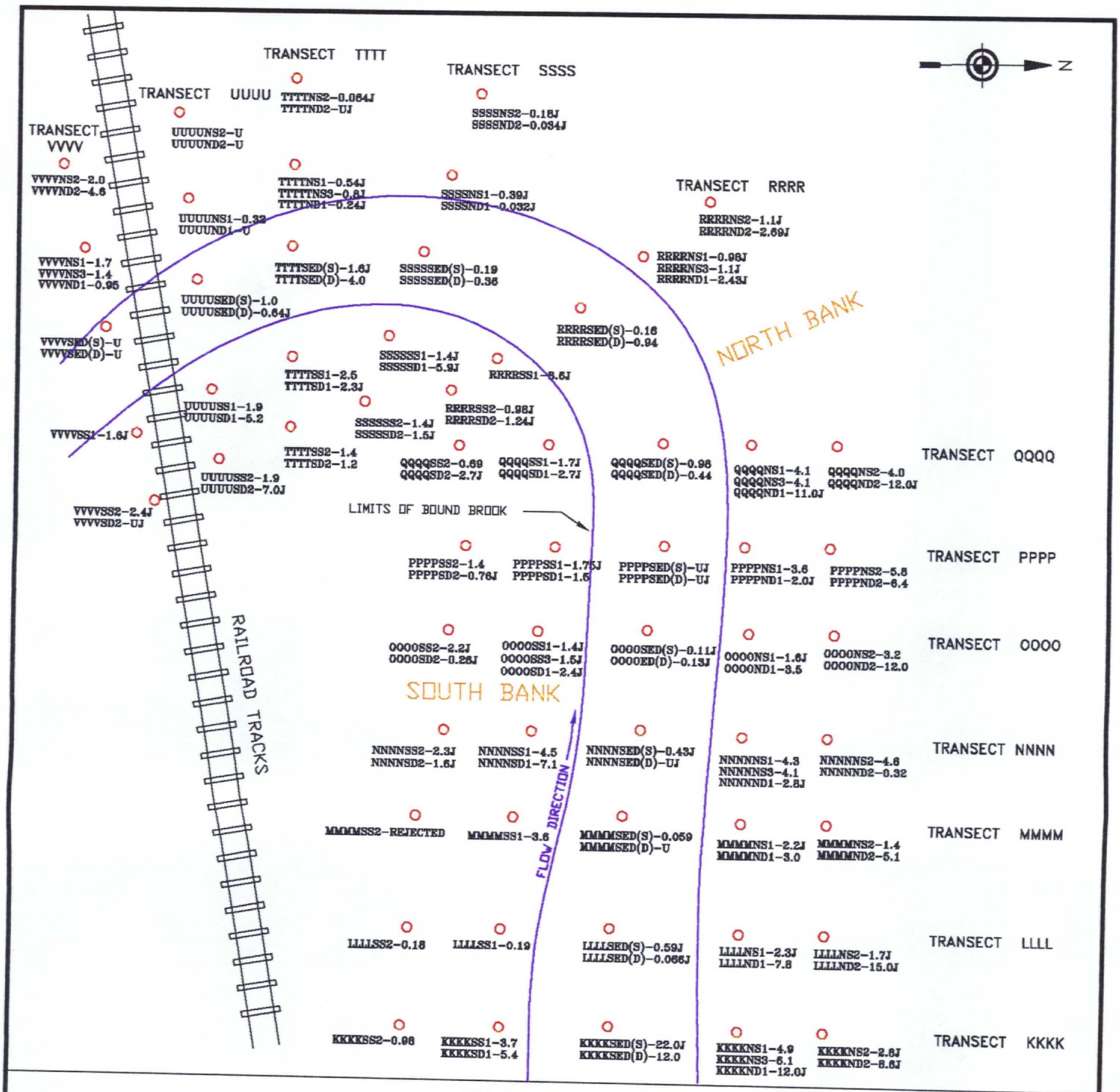

LEGEND:

TRANSECTS ARE SPACED ON 200 FEET CENTERS

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE
N = PRESUMPTIVE EVIDENCE OF A COMPOUND
D = VALUE TAKEN FROM ANALYSIS WITH A HIGHER DILUTION FACTOR

SAMPLE DESIGNATION EXAMPLE No. 1

KKKKNS1 WHERE:
KKKK = TRANSECT KKKK
N = NORTH BANK
S = SURFACE (0–6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

LLLLSD2 WHERE:
LLLL = TRANSECT LLLL
S = SOUTH BANK
D = DEPTH (18"–24" OR 0–6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

MMMMSED(S) WHERE:
MMMM = TRANSECT MMMM
SED = SEDIMENT SAMPLE
(S) = SURFACE (0–6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"–24" OR 0–6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

– DRAWING NOT TO SCALE –

FIGURE 10 – CORNELL–DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK – REACH 6/TRANSECTS KKKK – VVVV

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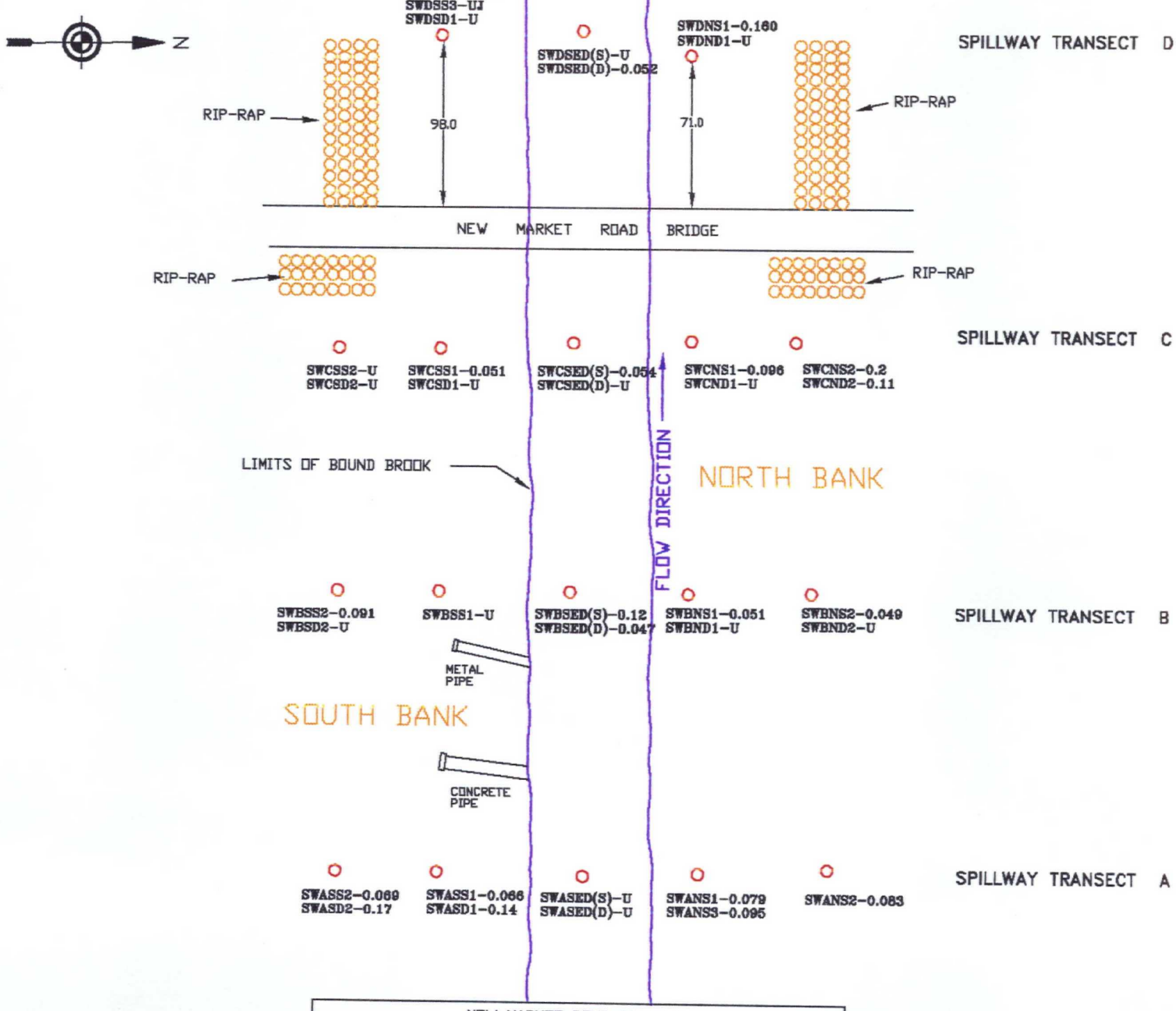

LEGEND:

U = NON DETECTED COMPOUND
J = ESTIMATED VALUE
N = PRESUMPTIVE EVIDENCE OF A COMPOUND
D = VALUE TAKEN FROM ANALYSIS WITH A HIGHER DILUTION FACTOR

SPILLWAY TRANSECTS A – C ARE SPACED ON 50 FEET CENTERS

SAMPLE DESIGNATION EXAMPLE No. 1

SWANS1 WHERE:
SWA = SPILLWAY TRANSECT A
N = NORTH BANK
S = SURFACE (0–6") SOIL SAMPLE
1 = SAMPLE No.1, COLLECTED 5.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No.2

SWBSD2 WHERE:
SWB = SPILLWAY TRANSECT B
S = SOUTH BANK
D = DEPTH (18"–24" OR 0–6" INTERVAL ABOVE FIRST GROUNDWATER OR REFUSAL) SOIL SAMPLE
2 = SAMPLE No.2, COLLECTED 10.0' FROM WHERE THE STREAM MEETS THE BANK

SAMPLE DESIGNATION EXAMPLE No. 3

SWCSED(S) WHERE:
SWC = SPILLWAY TRANSECT C
SED = SEDIMENT SAMPLE
(S) = SURFACE (0–6") SAMPLE COLLECTED FROM THE STREAM BED; (D) = 18"–24" OR 0–6" ABOVE REFUSAL.

* All results expressed in mg/kg (ppm).

– DRAWING NOT TO SCALE –

FIGURE 11 – CORNELL-DUBILIER ELECTRONICS SOIL AND SEDIMENT SAMPLING LOCATIONS INDICATING TOTAL PCB CONCENTRATIONS. BOUND BROOK – REACH 9/SPILLWAY TRANSECTS A–D

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