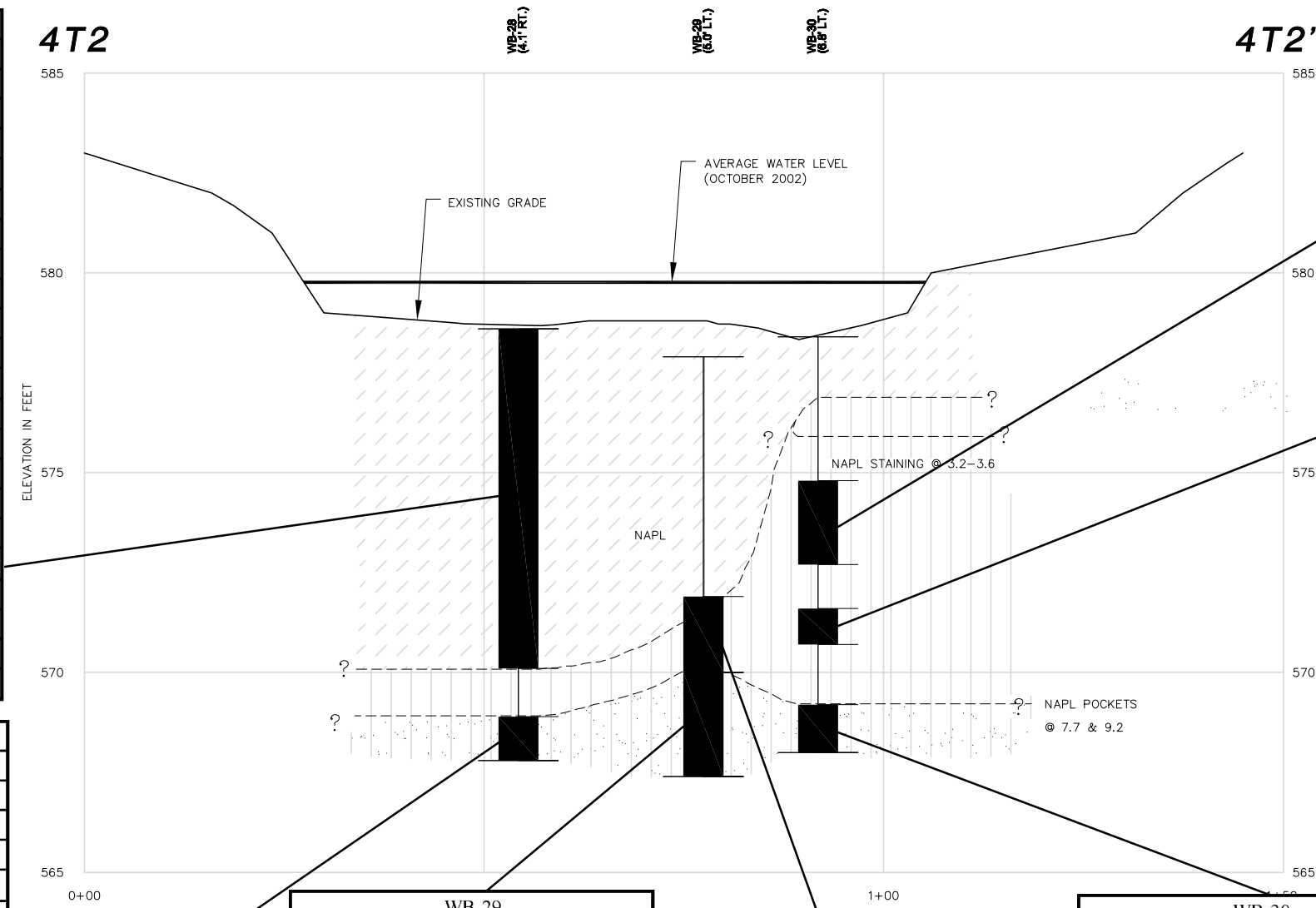
WB-28	
Elevation 578.6 - 570.1	
Parameter	**Conc.**
2-Methylnaphthalene	68000
Acenaphthene	**86000**
Acenaphthylene	**3900**
Anthracene	**34000**
Benzo(a)anthracene	**35000**
Benzo(a)pyrene	**16000**
Benzo(b)fluoranthene	13000
Benzo(ghi)perylene	8000
Benzo(k)fluoranthene	6900
Chrysene	**57000**
Dibenz(a,h)anthracene	**3300**
Fluoranthene	**33000**
Fluorene	**30000**
Indeno(1,2,3-cd)pyrene	5100
Naphthalene	**6400**
Phenanthrene	**99000**
Pyrene	**96000**
Total LPAHs	260000
Total HPAHs	270000
Total PAHs	**530000**

WB-28	
Elevation 568.9 - 567.8	
Parameter	**Conc.**
2-Methylnaphthalene	240000
Acenaphthene	**170000 (J)**
Acenaphthylene	**4400 (J)**
Anthracene	**65000**
Benzo(a)anthracene	**25000**
Benzo(a)pyrene	**16000 (J)**
Benzo(b)fluoranthene	9200
Benzo(ghi)perylene	5200 (J)
Benzo(k)fluoranthene	15000 (J)
Chrysene	**24000**
Dibenz(a,h)anthracene	**1100 (J)**
Fluoranthene	**39000**
Fluorene	**46000**
Indeno(1,2,3-cd)pyrene	4300 (J)
Naphthalene	**400000**
Phenanthrene	**190000**
Pyrene	**98000**
Total LPAHs	880000 (J)
Total HPAHs	240000 (J)
Total PAHs	**1100000 (J)**



WB-30	
Elevation 574.8 - 572.7	
Parameter	**Conc.**
Total LPAHs	260 U
Total HPAHs	400 U
Total PAHs	400 U

WB-30	
Elevation 571.6 - 570.7	
Parameter	**Conc.**
Acenaphthene	**650 J**
Benzo(a)anthracene	330 J
Benzo(a)pyrene	260 J
Chrysene	440 J
Fluoranthene	740 J
Phenanthrene	990
Pyrene	880 J
Total LPAHs	1600 J
Total HPAHs	2700 J
Total PAHs	4300 J

WB-29	
Elevation 570 - 567.4	
Parameter	**Conc.**
2-Methylnaphthalene	37000
Acenaphthene	**36000**
Acenaphthylene	**2200**
Anthracene	**22000**
Benzo(a)anthracene	**12000**
Benzo(a)pyrene	**5400**
Benzo(b)fluoranthene	3100
Benzo(ghi)perylene	2700
Benzo(k)fluoranthene	3800
Chrysene	**7000**
Dibenz(a,h)anthracene	**1200**
Fluoranthene	**19000**
Fluorene	**27000**
Indeno(1,2,3-cd)pyrene	2300
Naphthalene	**41000**
Phenanthrene	**51000**
Pyrene	**36000**
Total LPAHs	180000
Total HPAHs	93000
Total PAHs	**270000**

WB-29	
Elevation 571.9 - 570	
Parameter	**Conc.**
2-Methylnaphthalene	13000
Acenaphthene	**9900**
Anthracene	**3900**
Benzo(a)anthracene	**1300**
Benzo(a)pyrene	910
Benzo(b)fluoranthene	410 J
Benzo(k)fluoranthene	670 J
Chrysene	**1600**
Fluoranthene	**2700**
Fluorene	**4900**
Naphthalene	**17000**
Phenanthrene	**8300**
Pyrene	**3800**
Total LPAHs	44000
Total HPAHs	11000 J
Total PAHs	**55000 J**

WB-30	
Elevation 569.2 - 568	
Parameter	**Conc.**
2-Methylnaphthalene	320000
Acenaphthene	**270000**
Acenaphthylene	**4600 (J)**
Anthracene	**110000**
Benzo(a)anthracene	**45000 (J)**
Benzo(a)pyrene	**32000**
Benzo(b)fluoranthene	5700 (J)
Benzo(ghi)perylene	4300 (J)
Benzo(k)fluoranthene	4100 (J)
Chrysene	**46000**
Dibenz(a,h)anthracene	**2000 (J)**
Fluoranthene	**74000**
Fluorene	**110000**
Indeno(1,2,3-cd)pyrene	3300 (J)
Naphthalene	**430000**
Phenanthrene	**310000**
Pyrene	**160000**
Total LPAHs	1200000 (J)
Total HPAHs	380000 (J)
Total PAHs	**1600000 (J)**

LEGEND

- SILTY SANDS
- ORGANIC SILTS
- WELL-GRADED SANDS
- INORGANIC SILTS AND FINE SANDS
- POORLY GRADED GRAVELS
- INORGANIC CLAY
- SILTY GRAVELS
- HIGHLY ORGANIC SOILS

U = NON DETECTED
J = ESTIMATED
LT. = DISTANCE LEFT OF TRANSECT
RT. = DISTANCE LEFT OF TRANSECT
UNITS = µg/kg = ppb
CONC. = CONCENTRATION
NAPL = NON-AQUEOUS PHASE LIQUID

SAMPLE INCREMENT
NATIVE BOUNDARY
AVERAGE WATER LEVEL (OCTOBER 2002)

NOTES

1. ELEVATIONS ARE NGVD 29
2. VERTICAL EXAGGERATION = 5
3. CONCENTRATIONS INCLUDED IN TABLES ARE DETECTED VALUES ONLY, WITH THE EXCEPTION OF TOTALED VALUES. COMPLETE DATA TABLES ARE INCLUDED IN APPENDIX A.

5 0 5 10 15
SCALE IN FEET
HORIZONTAL SCALE

1 0 1 2 3
SCALE IN FEET
VERTICAL SCALE

WEST BRANCH OF THE GRAND CALUMET RIVER
FIGURE 4-12B
REACH 4 TRANSECT T2
PAH CONCENTRATIONS

FOSTER WHEELER ENVIRONMENTAL CORPORATION

DESIGNED: –
DRAWN: AEC
CHECKED: –
APPROVED
DATE: 8/1/03
SCALE: AS NOTED
DRAWING NO. **MGCAXS05**
- / -

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