TABLE 1
SWMU DESCRIPTION SUMMARY
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK, ROCHESTER, NEW YORK

Unit ID	Building	Unit Type	Unit Description	Status
X-061	B-202	RS	H-42 Locomotive Fueling Area Release Site	■
X-004	B-202	OB/OD	Former Open Burn/Refuse Area	■
X-005	B-202	PMR	Former Silver Recovery Burner	■
X-017	B-210	CS	Former Drum Storage Area	■
X-018	B-210	I	Former B-210 Drum Decontaminator	■
X-042	B-202	TS	Former Sewering Station TS #202-326	□
X-002	B-201	CS	Former 90-Day Container Storage Area	■
X-020	B-212	CS	Container Storage Area	□
X-022	B-212	CS	Container Storage Area	□
X-023	B-212	WP	Salvage Yard	■
X-024	B-213	SI	Former Truck Wash Station (unlined)	■
X-025	B-213	MA	Former Marshalling Area	□
X-057	B-213	CS	Former Container Crushing Area	□
X-059	B-213	TS	Former Wash Pad (Concrete Structure)	■
X-071	B-213	CS	90-Day Bulk Container Storage Area	□

Key:

■ Further Action
□ No Further Action

RS: Release Site
OB/OD: Open Burn/Open Detonation area
PMR: Precious Metals Recovery system
CS: Container Storage area
I: Incinerator
TS: Transfer Station
WP: Waste Pile
SI: Surface Impoundment
MA: Marshalling Area

TABLE D-1
XIA-202/208 CMS
KODAK PARK, ROCHESTER, NEW YORK

CAPITAL AND OPERATIONS & MAINTENANCE COST ESTIMATE
ALTERNATIVE NO. 1 - Maintain Existing Hydraulic Control/Protective Asphalt Covering of the B-208 Salvage Yard Area/ Protective Asphalt Covering of Current 90-day Storage Area

Direct Capital Cost ($)

Item	Unit Cost	Unit	Quantity	Years Incurred	Total Cost	Present Value Cost @ 5%
Protective Covering of B-208 Area Soils						
Asphalt Cover with Stone Base (1)	$ 21.60	SY	11500	1	$ 248,400	$ 248,400
Protective Covering of 90-Day Storage Area Soils						
Asphalt Cover with Stone Base (1)	$ 21.60	SY	6500	1	$ 140,400	$ 140,400
				Subtotal, Direct Capital Costs	$ 388,800	$ 388,800

Indirect Capital Costs ($)

Item		Total Cost	Present Value Cost @ 5%
Mobilization/Demobilization	10% of Capital Costs	$ 38,880	$ 38,880
Engineering/Administration	15% of Capital Costs	$ 58,320	$ 58,320
Legal/Deed Restrictions	Lump Sum	$ 2,500	$ 2,500
Startup	10% of Capital Costs	$ 38,880	$ 38,880
Contingencies	15% of Capital Costs	$ 58,320	$ 58,320
	Subtotal, Indirect Capital Costs	$ 196,900	$ 196,900
	Total Capital Costs (Direct and Indirect)	$ 585,700	$ 585,700

Annual Operations and Maintenance Costs ($), Direct

Item	Unit Cost	Unit	Quantity	Years Incurred	Annual Cost	30 Yr. Present Value Cost @ 5%
Asphalt Cover Maintenance	$ 2,000	Year	1	30	$ 2,000	$ 30,304
Groundwater Monitoring (2)						
Water Level Monitoring (17 wells, twice/year)	$ 18	Well	34	30	$ 612	$ 9,273
Groundwater Monitoring (1 well, once/year)	$ 1,300	Well	1	30	$ 1,300	$ 19,698
				Total Annual Cost (3)	$ 3,912	
				Subtotal, Direct O&M Costs (30 Years)	$ 117,360	$ 59,275

Annual Operation & Maintenance Cost, Indirect ($)		Annual Cost	30 Yr. Present Value Cost @ 5%
Engineering/Administration	15% of O&M Costs	$ 587	$ 8,891
Legal	5% of O&M Costs	$ 196	$ 2,964
Contingencies	15% of O&M Costs	$ 587	$ 8,891
	Subtotal, Indirect O&M Costs	$ 1,369	$ 20,746
	Total Annual O&M Cost (Direct and Indirect)	$ 5,281	
	Total O&M Costs (Direct and Indirect)	$ 158,436	$ 80,022

Total Costs ($)

	Total 30 Year Cost	30 Yr. Present Value Cost @ 5%
Total Cost of Alternative	$ 744,136	$ 665,722

Notes/Assumptions:
A 5% rate of return was used for calculating present value costs.
(1) Costs for asphalt cover includes a 6-inch stone base, 4-inch asphalt binder, and a 2-inch asphalt top.
(2) Costs for implementation of groundwater monitoring are based on actual current costs incurred by Kodak.

MARCH 2004

TABLE D-2
XIA-202/208 CMS
KODAK PARK, ROCHESTER, NEW YORK

033-9368

CAPITAL AND OPERATIONS & MAINTENANCE COST ESTIMATE
ALTERNATIVE NO. 2 - Maintain Existing Hydraulic Control/Protective Geosynthetic Cap and Cover System in B-208 Salvage Yard Area/ Protective Asphalt Covering of Current 90-Day Storage Area

Direct Capital Cost ($)

Item	Unit Cost	Unit	Quantity	Years Incurred	Total Cost	Present Value Cost @ 5%
Geosynthetic Covering of B-208 Area Soils						
Site Preparation (Dozer and smooth drum compactor)	$ 3,000	Day	1	1	$ 3,000	$ 3,000
Geotextile (10 ounce/square yard)	$ 1.80	SY	11500	1	$ 20,700	$ 20,700
40-mil HDPE Geomembrane	$ 4.00	SY	11500	1	$ 46,000	$ 46,000
Geocomposite (bonded on both sides with geotextile)	$ 4.50	SY	11500	1	$ 51,750	$ 51,750
24-inches Cover Soil with Compaction	$ 17	CY	7700	1	$ 130,900	$ 130,900
6-inches Topsoil	$ 21	CY	1920	1	$ 40,320	$ 40,320
Seed and Mulch	$ 1,400	Acre	2.5	1	$ 3,500	$ 3,500
Protective Covering of 90-Day Storage Area Soils						
Asphalt Cover with Stone Base (1)	$ 21.60	SY	6500	1	$ 140,400	$ 140,400
				Subtotal, Direct Capital Costs	$ 436,570	$ 436,570

Indirect Capital Costs ($)

Item		Total Cost	Present Value Cost @ 5%
Mobilization/Demobilization	10% of Capital Costs	$ 43,657	$ 43,657
Engineering/Administration	15% of Capital Costs	$ 65,486	$ 65,486
Legal/Deed Restrictions	Lump Sum	$ 2,500	$ 2,500
Startup	10% of Capital Costs	$ 43,657	$ 43,657
Contingencies	15% of Capital Costs	$ 65,486	$ 65,486
	Subtotal, Indirect Capital Costs	$ 220,785	$ 220,785
	Total Capital Costs (Direct and Indirect)	$ 657,355	$ 657,355

Annual Operations and Maintenance Costs ($), Direct

Item	Unit Cost	Unit	Quantity	Years Incurred	Annual Cost	30 Yr. Present Value Cost @ 5%
Asphalt Cover Maintenance	$ 1,000	Year	1	30	$ 1,000	$ 15,152
Lawn Maintenance	$ 1,500	Year	1	30	$ 1,500	$ 22,728
Groundwater Monitoring (2)						
Water Level Monitoring (17 wells, twice/year)	$ 18	Well	34	30	$ 612	$ 9,273
Groundwater Monitoring (1 well, once/year)	$ 1,300	Well	1	30	$ 1,300	$ 19,698
				Total Annual Cost (3)	$ 4,412	
				Subtotal, Direct O&M Costs (30 Years)	$ 132,360	$ 66,852

Annual Operation & Maintenance Cost, Indirect ($)		Annual Cost	30 Yr. Present Value Cost @ 5%
Engineering/Administration	15% of O&M Costs	$ 662	$ 10,028
Legal	5% of O&M Costs	$ 221	$ 3,343
Contingencies	15% of O&M Costs	$ 662	$ 10,028
	Subtotal, Indirect O&M Costs	$ 1,544	$ 23,398
	Total Annual O&M Cost (Direct and Indirect)	$ 5,956	
	Total O&M Costs (Direct and Indirect)	$ 178,686	$ 90,250

Total Costs ($)

	Total 30 Year Cost	30 Yr. Present Value Cost @ 5%
Total Cost of Alternative	$ 836,041	$ 747,605

Notes/Assumptions:
A 5% rate of return was used for calculating present value costs.
(1) Costs for asphalt cover includes a 6-inch stone base, 4-inch asphalt binder, and a 2-inch asphalt top.
(2) Costs for implementation of groundwater monitoring are based on actual current costs incurred by Kodak.

TABLE D-3
XIA-202/208 CMS
KODAK PARK, ROCHESTER, NEW YORK

CAPITAL AND OPERATIONS & MAINTENANCE COST ESTIMATE
ALTERNATIVE NO. 3 - Maintain Existing Hydraulic Control/Excavation and Disposal of Soils in B-208 Salvage Yard Area/ Protective Asphalt Covering of Current 90-Day Storage Area

Direct Capital Cost ($)

Item	Unit Cost	Unit	Quantity	Years Incurred	Total Cost	Present Value Cost @ 5%
Excavation, Disposal, and Backfill of B-208 Area Soils (1)						
Soil Excavation and Loading	$ 1.50	Ton	13700	1	$ 20,550	$ 20,550
Soil Trucking and Disposal	$ 38.50	Ton	13700	1	$ 527,450	$ 527,450
Soil Backfill and Compaction	$ 12.35	Ton	13700	1	$ 169,195	$ 169,195
Soil Sampling and Analysis for PCBs and PAHs (2)	$ 275.00	Each	20	1	$ 5,500	$ 5,500
Protective Covering of 90-Day Storage Area Soils						
Asphalt Cover with Stone Base (3)	$ 21.60	SY	6500	1	$ 140,400	$ 140,400
				Subtotal, Direct Capital Costs	$ 863,095	$ 863,095

Indirect Capital Costs ($)

Item		Total Cost	Present Value Cost @ 5%
Mobilization/Demobilization	10% of Capital Costs	$ 86,310	$ 86,310
Engineering/Administration	15% of Capital Costs	$ 129,464	$ 129,464
Legal/Deed Restrictions	Lump Sum	$ 2,500	$ 2,500
Startup	10% of Capital Costs	$ 86,310	$ 86,310
Contingencies	15% of Capital Costs	$ 129,464	$ 129,464
	Subtotal, Indirect Capital Costs	$ 434,048	$ 434,048
	Total Capital Costs (Direct and Indirect)	$ 1,297,143	$ 1,297,143

Annual Operations and Maintenance Costs ($), Direct

Item	Unit Cost	Unit	Quantity	Years Incurred	Annual Cost	30 Yr. Present Value Cost @ 5%
Asphalt Cover Maintenance	$ 1,000	Year	1	30	$ 1,000	$ 15,152
Groundwater Monitoring (4)						
Water Level Monitoring (17 wells, twice/year)	$ 18	Well	34	30	$ 612	$ 9,273
Groundwater Monitoring (1 wells, twice/year)	$ 1,300	Well	1	30	$ 1,300	$ 19,698
				Total Annual Cost (9)	$ 2,912	
				Subtotal, Direct O&M Costs (30 Years)	$ 87,360	$ 44,123

Annual Operation & Maintenance Cost, Indirect ($)

		Annual Cost	30 Yr. Present Value Cost @ 5%
Engineering/Administration	15% of O&M Costs	$ 437	$ 6,618
Legal	5% of O&M Costs	$ 146	$ 2,206
Contingencies	15% of O&M Costs	$ 437	$ 6,618
	Subtotal, Indirect O&M Costs	$ 1,019	$ 15,443
	Total Annual O&M Cost (Direct and Indirect)	$ 3,931	
	Total O&M Costs (Direct and Indirect)	$ 117,936	$ 59,566

Total Costs ($)

	Total 30 Year Cost	30 Yr. Present Value Cost @ 5%
Total Cost of Alternative	$ 1,415,079	$ 1,356,709

Notes/Assumptions:
A 5% rate of return was used for calculating present value costs.
(1) Vendor Quote. Assumes trucking and disposal by Waste Management at Mill Seat Landfill, Riga, NY as Non-TSCA Soil <25 ppm PCBs.
(2) Costs include field technician for sampling @ $25 per sample and analysis at $50 per sample for PCBs and $200 per sample for PAHs.
(3) Costs for asphalt cover includes a 6-inch stone base, 4-inch asphalt binder, and a 2-inch asphalt top.
(4) Costs for implementation of groundwater monitoring are based on actual current costs incurred by Kodak.

TABLE D-4
XIA-202/208 CMS
KODAK PARK, ROCHESTER, NEW YORK

CAPITAL AND OPERATIONS & MAINTENANCE COST ESTIMATE
ALTERNATIVE NO. 4 - Maintain Existing Hydraulic Control/Protective Asphalt Covering of the B-208 Salvage Yard Area/ Protective Soil Covering with Geotextile of Current 90-day Storage Area

Direct Capital Cost ($)

Item	Unit Cost	Unit	Quantity	Years Incurred	Total Cost	Present Value Cost @ 5%
Protective Covering of B-208 Area Soils						
Asphalt Cover with Stone Base (1)	$ 21.60	SY	11500	1	$ 248,400	$ 248,400
Geotextile & Soil Covering of 90-Day Storage Area Soils						
Site Preparation (Dozer and smooth drum compactor)	$ 3,000	Day	1	1	$ 3,000	$ 3,000
Geotextile (10 ounce/square yard)	$ 1.80	SY	6500	1	$ 11,700	$ 11,700
12-inches Cover Soil with Compaction	$ 17	CY	2200	1	$ 37,400	$ 37,400
6-inches Topsoil	$ 21	CY	1100	1	$ 23,100	$ 23,100
Seed and Mulch	$ 1,400	Acre	1.5	1	$ 2,100	$ 2,100
				Subtotal, Direct Capital Costs	$ 325,700	$ 325,700

Indirect Capital Costs ($)

		Total Cost	Present Value Cost @ 5%
Mobilization/Demobilization	10% of Capital Costs	$ 32,570	$ 32,570
Engineering/Administration	15% of Capital Costs	$ 48,855	$ 48,855
Legal/Deed Restrictions	Lump Sum	$ 2,500	$ 2,500
Startup	10% of Capital Costs	$ 32,570	$ 32,570
Contingencies	15% of Capital Costs	$ 48,855	$ 48,855
	Subtotal, Indirect Capital Costs	$ 165,350	$ 165,350
	Total Capital Costs (Direct and Indirect)	$ 491,050	$ 491,050

Annual Operations and Maintenance Costs ($), Direct

Item	Unit Cost	Unit	Quantity	Years Incurred	Annual Cost	30 Yr. Present Value Cost @ 5%
Asphalt Cover Maintenance	$ 1,500	Year	1	30	$ 1,500	$ 22,728
Lawn Maintenance	$ 1,000	Year	1	30	$ 1,000	$ 15,152
Groundwater Monitoring (2)						
Water Level Monitoring (17 wells, twice/year)	$ 18	Well	34	30	$ 612	$ 9,273
Groundwater Monitoring (1 well, once/year)	$ 1,300	Well	1	30	$ 1,300	$ 19,698
				Total Annual Cost	$ 4,412	
				Subtotal, Direct O&M Costs (30 Years)	$ 132,360	$ 44,123

Annual Operation & Maintenance Cost, Indirect ($)		Annual Cost	30 Yr. Present Value Cost @ 5%
Engineering/Administration	15% of O&M Costs	$ 662	$ 10,028
Legal	5% of O&M Costs	$ 221	$ 3,343
Contingencies	15% of O&M Costs	$ 662	$ 10,028
	Subtotal, Indirect O&M Costs	$ 1,544	$ 23,398
	Total Annual O&M Cost (Direct and Indirect) (9)	$ 5,956	
	Total O&M Costs (Direct and Indirect)	$ 178,686	$ 67,521

Total Costs ($)

	Total 30 Year Cost	30 Yr. Present Value Cost @ 5%
Total Cost of Alternative	$ 669,736	$ 558,571

Notes/Assumptions:
A 5% rate of return was used for calculating present value costs.
(1) Costs for asphalt cover includes a 6-inch stone base, 4-inch asphalt binder, and a 2-inch asphalt top.
(2) Costs for implementation of groundwater monitoring are based on actual current costs incurred by Kodak.

TABLE D-5
XIA-202/208 CMS
KODAK PARK, ROCHESTER, NEW YORK

CAPITAL AND OPERATIONS & MAINTENANCE COST ESTIMATE
ALTERNATIVE NO. 5 - Maintain Existing Hydraulic Control/Protective Geosynthetic Cap and Cover System in B-208 Salvage Yard Area/ Protective Soil Covering with Geotextile of Current 90-day Storage Area

Direct Capital Cost ($)

Item	Unit Cost	Unit	Quantity	Years Incurred	Total Cost	Present Value Cost @ 5%
Geosynthetic Covering of B-208 Area Soils						
Site Preparation (Dozer and smooth drum compactor)	$ 3,000	Day	1	1	$ 3,000	$ 3,000
Geotextile (10 ounce/square yard)	$ 1.80	SY	11500	1	$ 20,700	$ 20,700
40-mil HDPE Geomembrane	$ 4.00	SY	11500	1	$ 46,000	$ 46,000
Geocomposite (bonded on both sides with geotextile)	$ 4.50	SY	11500	1	$ 51,750	$ 51,750
24-inches Cover Soil with Compaction	$ 17	CY	7700	1	$ 130,900	$ 130,900
6-inches Topsoil	$ 21	CY	1920	1	$ 40,320	$ 40,320
Seed and Mulch	$ 1,400	Acre	2.5	1	$ 3,500	$ 3,500
Geotextile & Soil Covering of 90-Day Storage Area Soils						
Site Preparation (Dozer and smooth drum compactor)	$ 3,000	Day	1	1	$ 3,000	$ 3,000
Geotextile (10 ounce/square yard)	$ 1.80	SY	6500	1	$ 11,700	$ 11,700
12-inches Cover Soil with Compaction	$ 17	CY	2200	1	$ 37,400	$ 37,400
6-inches Topsoil	$ 21	CY	1100	1	$ 23,100	$ 23,100
Seed and Mulch	$ 1,400	Acre	1.5	1	$ 2,100	$ 2,100
				Subtotal, Direct Capital Costs	$ 373,470	$ 373,470

Indirect Capital Costs ($)

		Total Cost	Present Value Cost @ 5%
Mobilization/Demobilization	10% of Capital Costs	$ 37,347	$ 37,347
Engineering/Administration	15% of Capital Costs	$ 56,021	$ 56,021
Legal/Deed Restrictions	Lump Sum	$ 2,500	$ 2,500
Startup	10% of Capital Costs	$ 37,347	$ 37,347
Contingencies	15% of Capital Costs	$ 56,021	$ 56,021
	Subtotal, Indirect Capital Costs	$ 189,235	$ 189,235
	Total Capital Costs (Direct and Indirect)	$ 562,705	$ 562,705

Annual Operations and Maintenance Costs ($), Direct

Item	Unit Cost	Unit	Quantity	Years Incurred	Annual Cost	30 Yr. Present Value Cost @ 5%
Asphalt Cover Maintenance	$ 500	Year	1	30	$ 500	$ 7,576
Lawn Maintenance	$ 1,500	Year	1	30	$ 1,500	$ 22,728
Groundwater Monitoring (2)						
Water Level Monitoring (17 wells, twice/year)	$ 18	Well	34	30	$ 612	$ 9,273
Groundwater Monitoring (1 well, once/year)	$ 1,300	Well	1	30	$ 1,300	$ 19,698
				Total Annual Cost	$ 3,912	
				Subtotal, Direct O&M Costs (30 Years)	$ 117,360	$ 51,699

Annual Operation & Maintenance Cost, Indirect ($)		Annual Cost	30 Yr. Present Value Cost @ 5%
Engineering/Administration	15% of O&M Costs	$ 587	$ 8,891
Legal	5% of O&M Costs	$ 196	$ 2,964
Contingencies	15% of O&M Costs	$ 587	$ 8,891
	Subtotal, Indirect O&M Costs	$ 1,369	$ 20,746
	Total Annual O&M Cost (Direct and Indirect) (9)	$ 5,281	
	Total O&M Costs (Direct and Indirect)	$ 158,436	$ 72,446

Total Costs ($)

	Total 30 Year Cost	30 Yr. Present Value Cost @ 5%
Total Cost of Alternative	$ 721,141	$ 635,151

Notes/Assumptions:
A 5% rate of return was used for calculating present value costs.
(1) Costs for asphalt cover includes a 6-inch stone base, 4-inch asphalt binder, and a 2-inch asphalt top.
(2) Costs for implementation of groundwater monitoring are based on actual current costs incurred by Kodak.

TABLE D-6
XIA-202/208 CMS
KODAK PARK, ROCHESTER, NEW YORK

CAPITAL AND OPERATIONS & MAINTENANCE COST ESTIMATE
ALTERNATIVE NO. 6 - Maintain Existing Hydraulic Control/Excavation and Disposal of Soils in B-208 Salvage Yard Area/ Protective Soil Covering with Geotextile of Current 90-day Storage Area

Direct Capital Cost ($)

Item	Unit Cost	Unit	Quantity	Years Incurred	Total Cost	Present Value Cost @ 5%
Excavation, Disposal, and Backfill of B-208 Area Soils (1)						
Soil Excavation and Loading	$ 1.50	Ton	13700	1	$ 20,550	$ 20,550
Soil Trucking and Disposal	$ 38.50	Ton	13700	1	$ 527,450	$ 527,450
Soil Backfill and Compaction	$ 12.35	Ton	13700	1	$ 169,195	$ 169,195
Soil Sampling and Analysis for PCBs and PAHs (2)	$ 275.00	Each	20	1	$ 5,500	$ 5,500
Geotextile & Soil Covering of 90-Day Storage Area Soils						
Site Preparation (Dozer and smooth drum compactor)	$ 3,000	Day	1	1	$ 3,000	$ 3,000
Geotextile (10 ounce/square yard)	$ 1.80	SY	6500	1	$ 11,700	$ 11,700
12-inches Cover Soil with Compaction	$ 17	CY	2200	1	$ 37,400	$ 37,400
6-inches Topsoil	$ 21	CY	1100	1	$ 23,100	$ 23,100
Seed and Mulch	$ 1,400	Acre	1.5	1	$ 2,100	$ 2,100
				Subtotal, Direct Capital Costs	$ 799,995	$ 799,995

Indirect Capital Costs ($)

Item		Total Cost	Present Value Cost @ 5%
Mobilization/Demobilization	10% of Capital Costs	$ 80,000	$ 80,000
Engineering/Administration	15% of Capital Costs	$ 119,999	$ 119,999
Legal/Deed Restrictions	Lump Sum	$ 2,500	$ 2,500
Startup	10% of Capital Costs	$ 80,000	$ 80,000
Contingencies	15% of Capital Costs	$ 119,999	$ 119,999
	Subtotal, Indirect Capital Costs	$ 402,498	$ 402,498
	Total Capital Costs (Direct and Indirect)	$ 1,202,493	$ 1,202,493

Annual Operations and Maintenance Costs ($), Direct

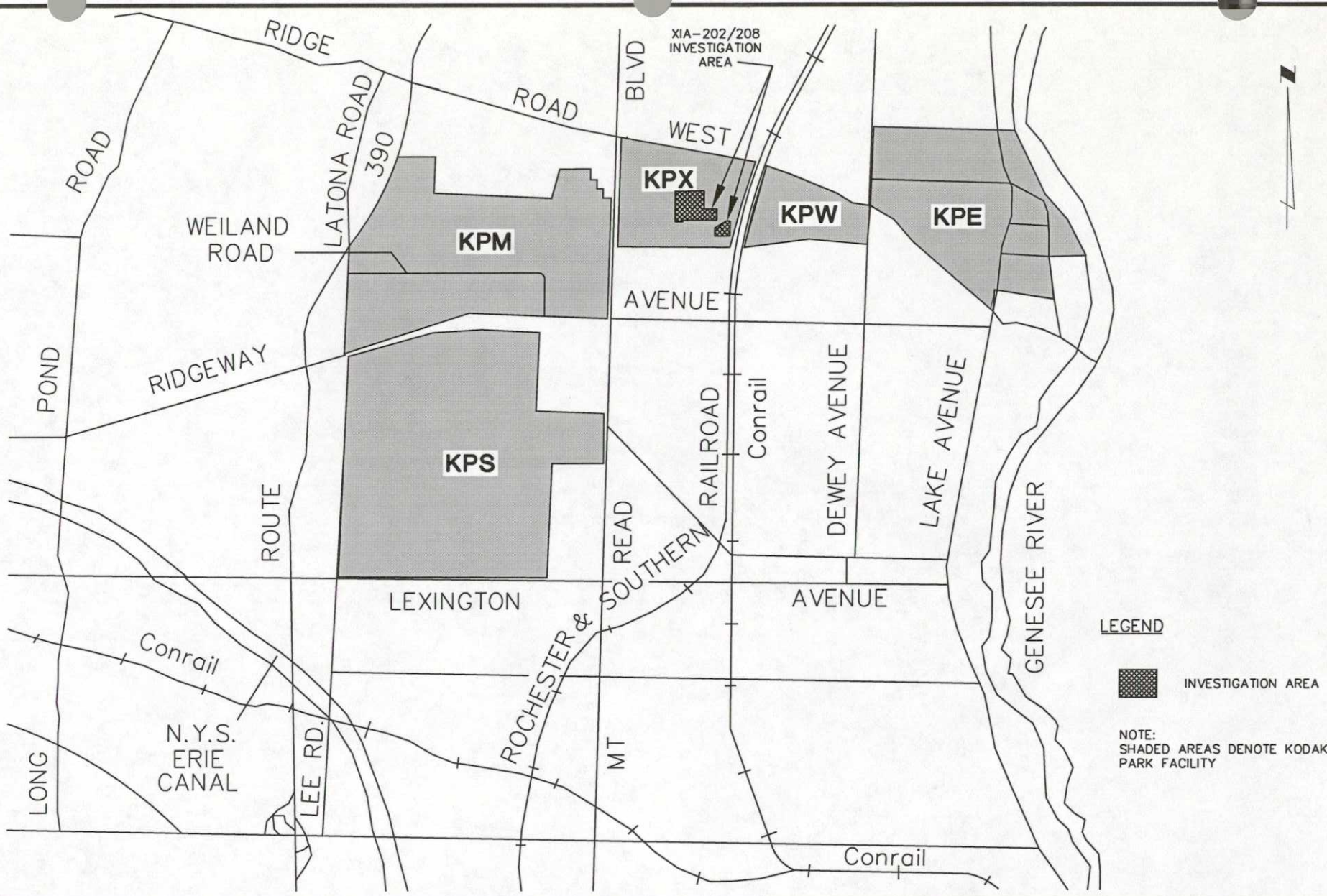
Item	Unit Cost	Unit	Quantity	Years Incurred	Annual Cost	30 Yr. Present Value Cost @ 5%
Asphalt Cover Maintenance	$ 500	Year	1	30	$ 500	$ 7,576
Lawn Maintenance	$ 1,500	Year	1	30	$ 1,500	$ 22,728
Groundwater Monitoring (3)						
Water Level Monitoring (17 wells, twice/year)	$ 18	Well	34	30	$ 612	$ 9,273
Groundwater Monitoring (1 wells, twice/year)	$ 1,300	Well	1	30	$ 1,300	$ 19,698
				Total Annual Cost (9)	$ 3,912	
				Subtotal, Direct O&M Costs (30 Years)	$ 117,360	$ 51,699

Annual Operation & Maintenance Cost, Indirect ($)		Annual Cost	30 Yr. Present Value Cost @ 5%
Engineering/Administration	15% of O&M Costs	$ 587	$ 8,891
Legal	5% of O&M Costs	$ 196	$ 2,964
Contingencies	15% of O&M Costs	$ 587	$ 8,891
	Subtotal, Indirect O&M Costs	$ 1,369	$ 20,746
	Total Annual O&M Cost (Direct and Indirect)	$ 5,281	
	Total O&M Costs (Direct and Indirect)	$ 158,436	$ 72,446

Total Costs ($)

	Total 30 Year Cost	30 Yr. Present Value Cost @ 5%
Total Cost of Alternative	$ 1,360,929	$ 1,274,938

Notes/Assumptions:
A 5% rate of return was used for calculating present value costs.
(1) Vendor Quote. Assumes trucking and disposal by Waste Management at Mill Seat Landfill, Riga, NY as Non-TSCA Soil <25 ppm PCBs.
(2) Costs include field technician for sampling @ $25 per sample and analysis at $50 per sample for PCBs and $200 per sample for PAHs.
(4) Costs for implementation of groundwater monitoring are based on actual current costs incurred by Kodak.



CLIENT/PROJECT

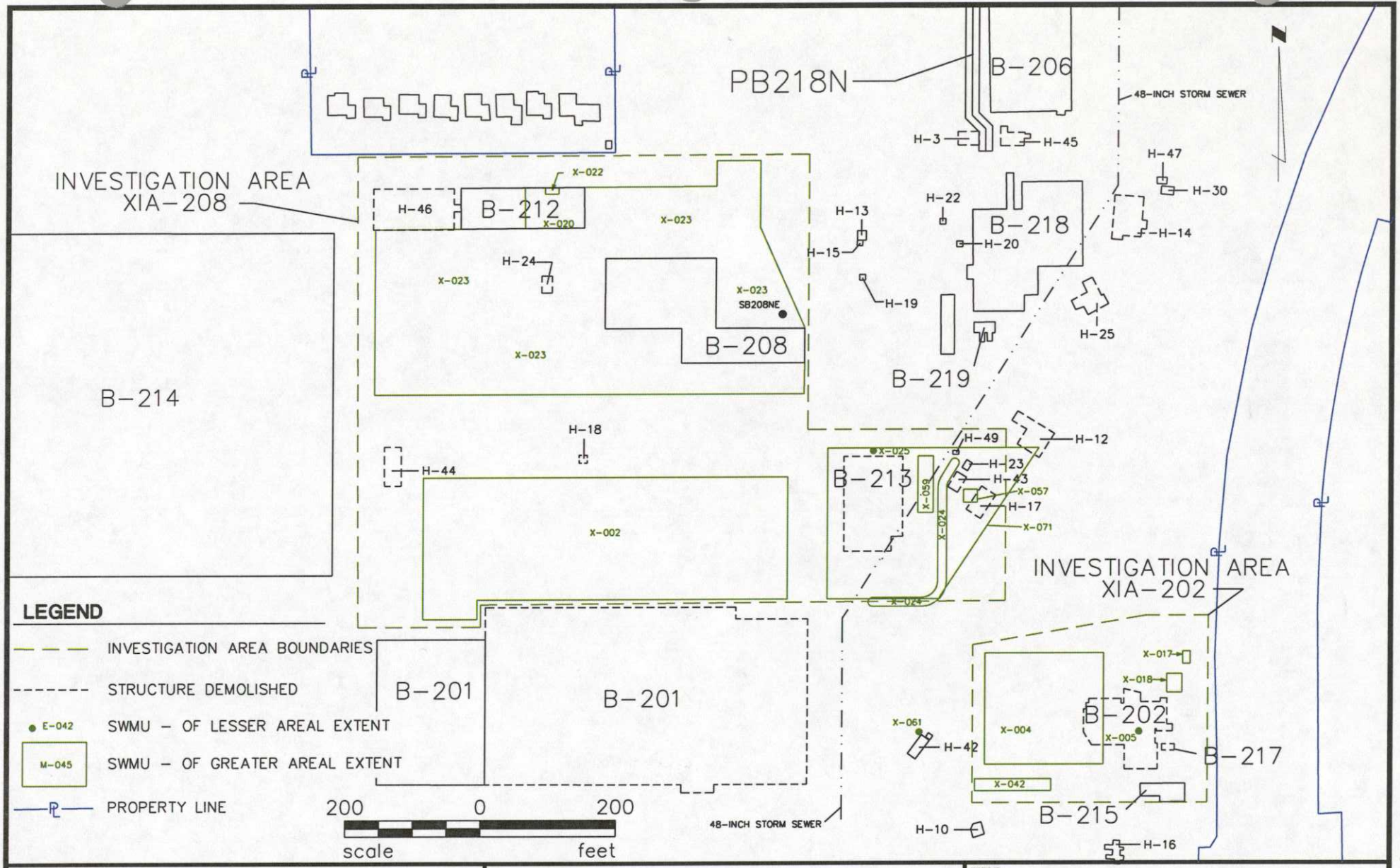
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

SITE LOCATION MAP

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	DCW	EMM	3/19/04	NA	033-9368	033-9368	0339368A402	1



CLIENT/PROJECT

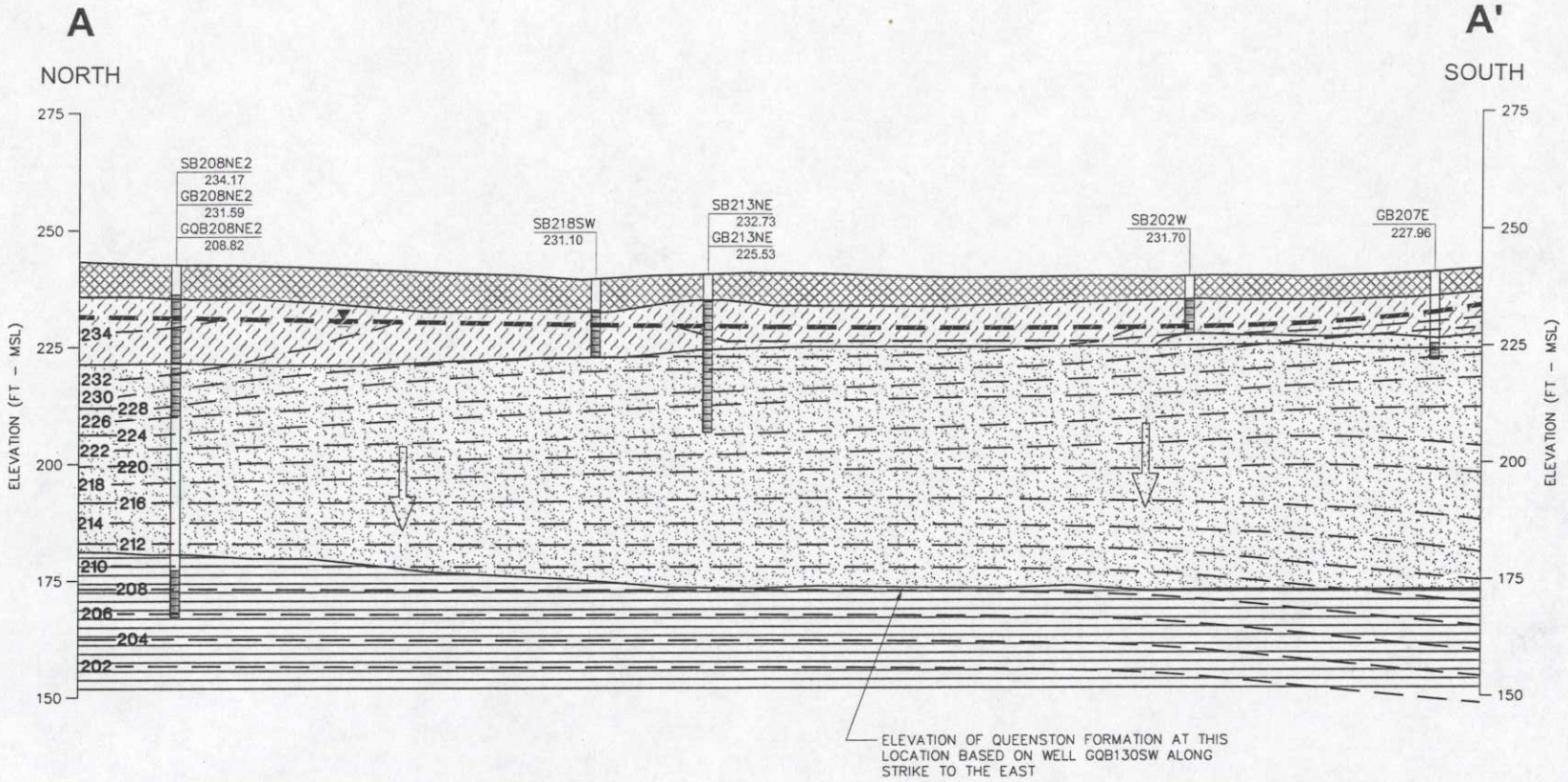
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

INVESTIGATION AREA LOCATION MAP

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	EMM		3/19/04	AS SHOWN	033-9368	033-9368	0339368A403	2



LEGEND

SB9IW — WELL ID
238.47 — GROUNDWATER ELEVATION
TOP OF WELL
SCREENED INTERVAL
BOTTOM OF WELL

240 — GROUNDWATER EQUIPOTENTIAL CONTOUR IN FEET (KODAK PARK DATUM)

UPPERMOST GROUNDWATER POTENTIOMETRIC SURFACE

GROUNDWATER FLOW DIRECTION

FILL
THOROLD
QUEENSTON FM.
OVERBURDEN
GRIMSBY FM.

NOTES

1.) WATER ELEVATIONS MEASURED ON FEBRUARY 25 AND MARCH 5, 2002.

2.) RESULTS OF RGFM MODELING USED AS GUIDANCE FOR EQUIPOTENTIAL LOCATIONS.

100 0 100
horizontal scale FEET

25 0 25
vertical scale FEET

Golder Associates
Buffalo, New York

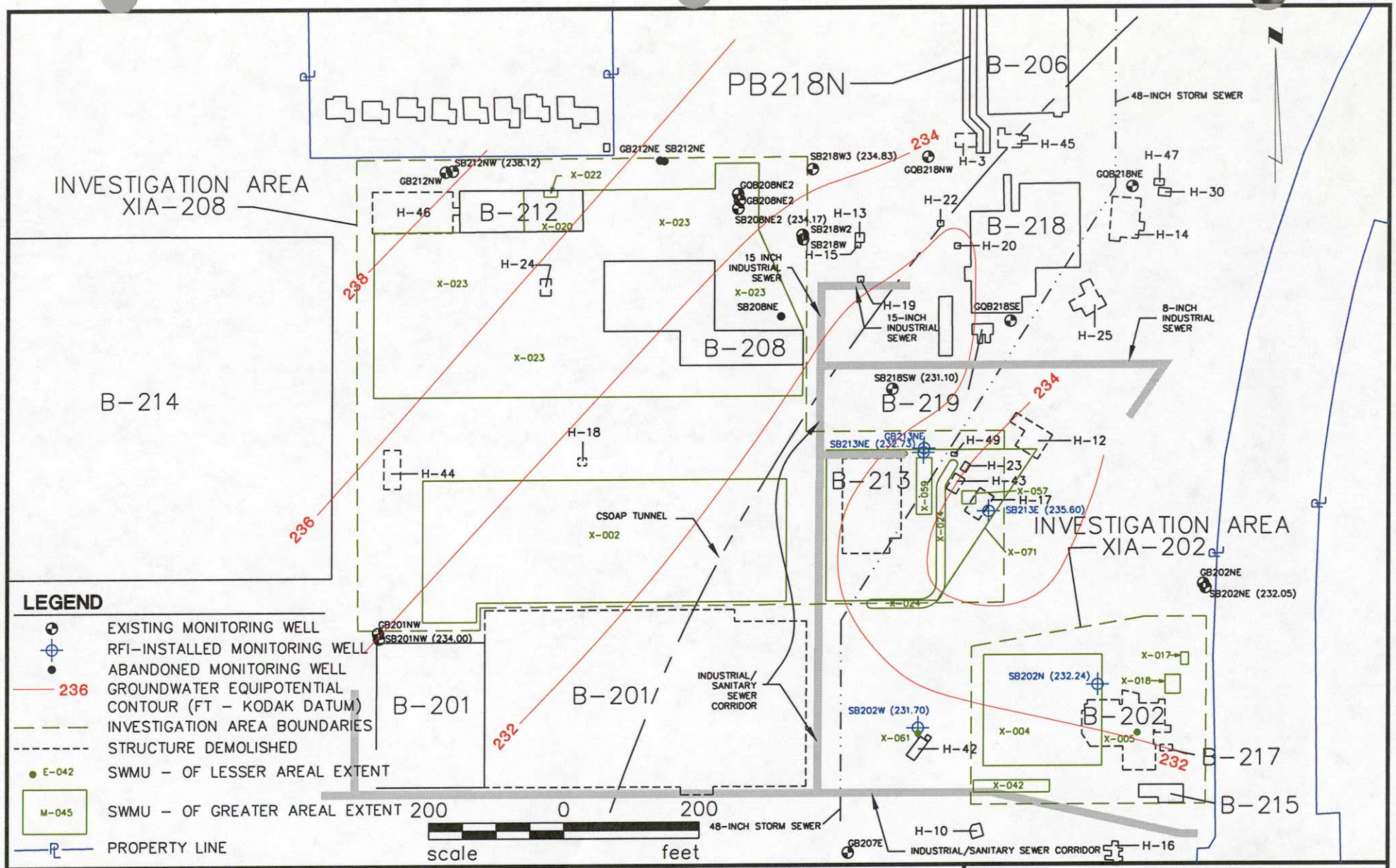
SCALE	AS SHOWN
DATE	3/19/04
DESIGN	DRW
CADD	MRM
CHECK	EMM
REVIEW	
FILE No.	0339368A404
PROJECT No.	033-9368 REV. 0

TITLE

GEOLOGIC CROSS-SECTION OF XIA-202/208

KODAK - XIA-202/208 CMS

FIGURE 3



CLIENT/PROJECT

Kodak

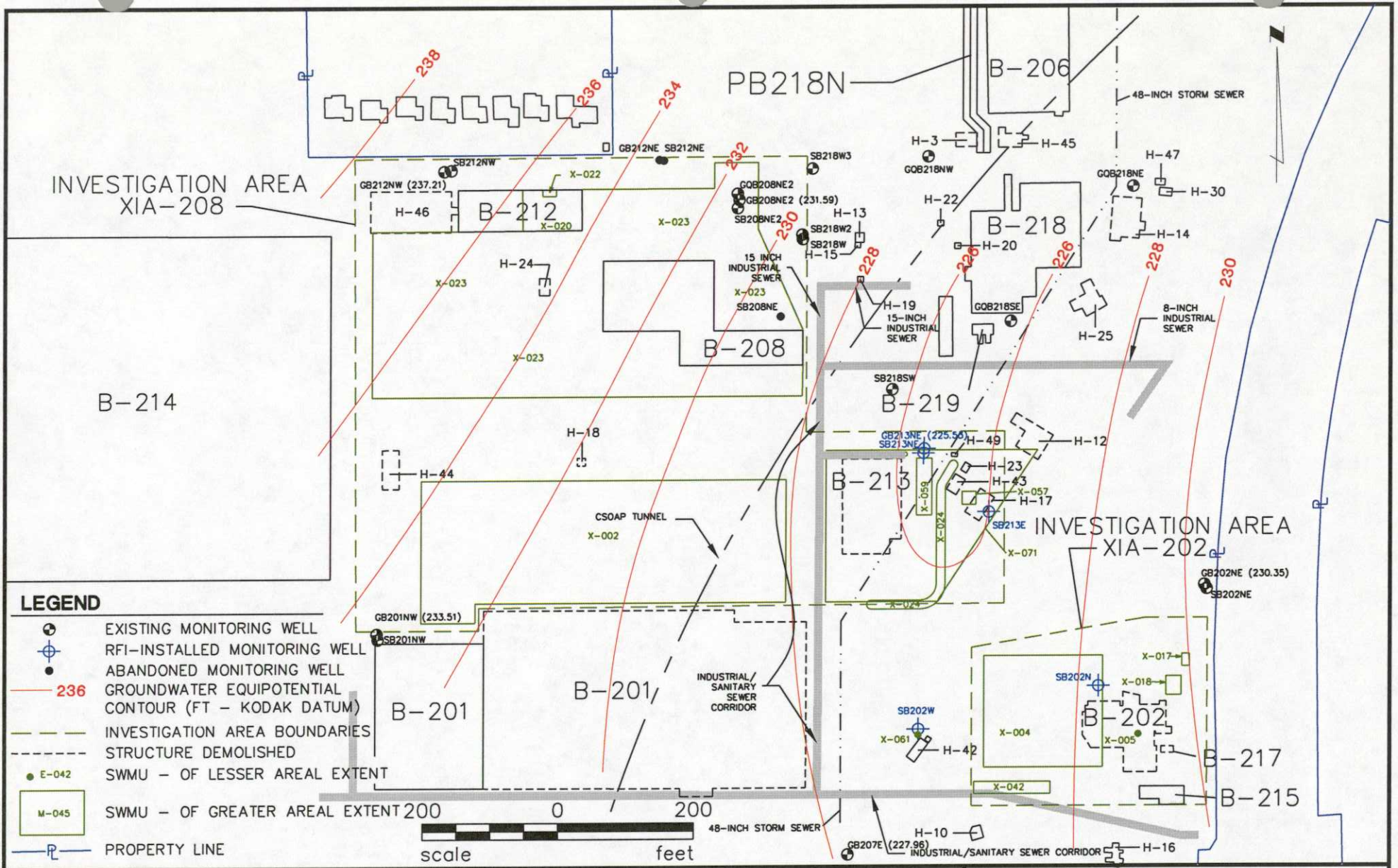
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

XIA-202/208 OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP - FEB. 25, 2002

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	DCW	EMM	3/19/04	AS SHOWN	033-9368	033-9368	0339368A405	4



CLIENT/PROJECT

Kodak

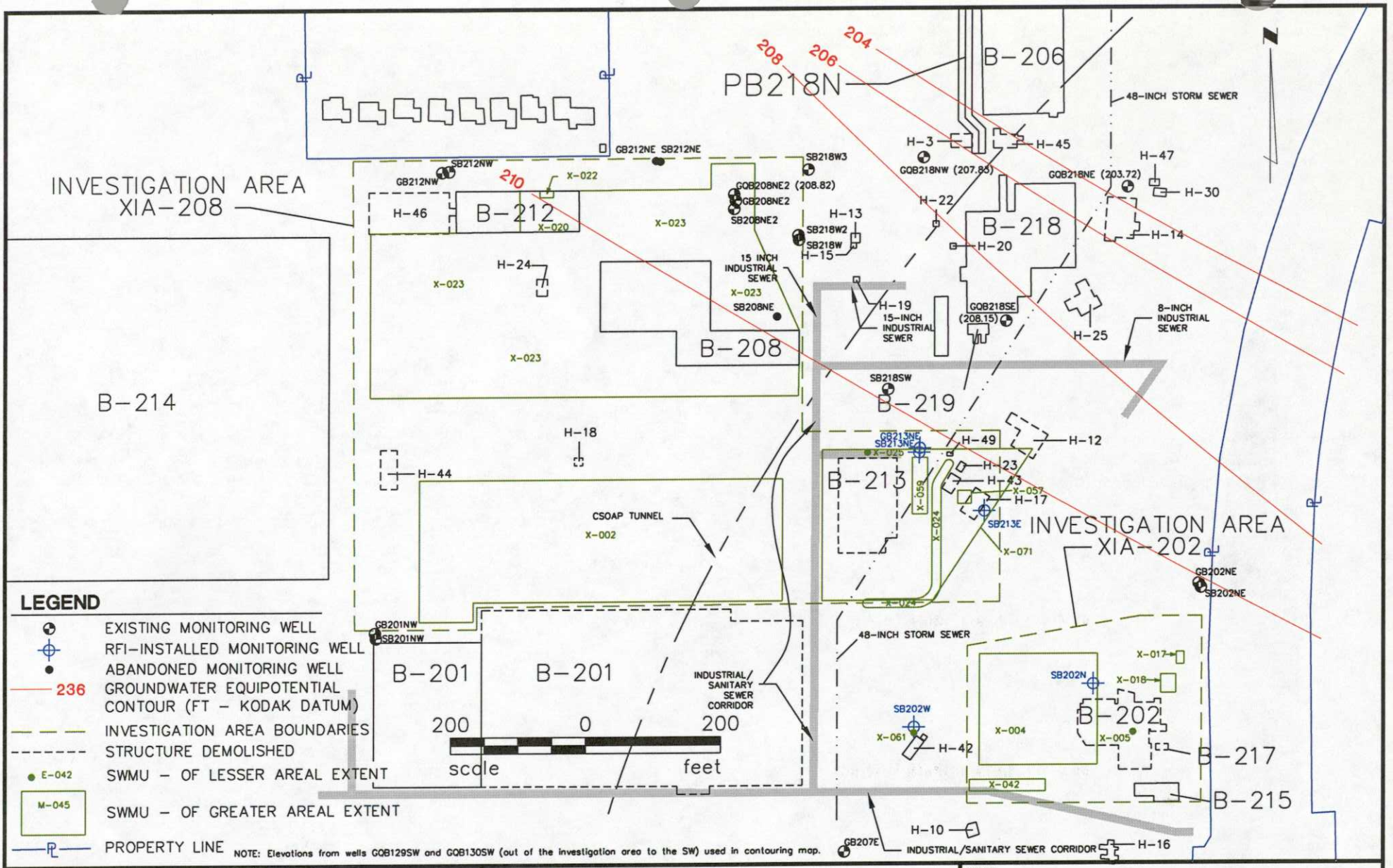
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

XIA-202/208 TOR
GROUNDWATER ELEVATION
CONTOUR MAP - FEB. 25, 2002

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	DCW	EMM	3/19/04	AS SHOWN	033-9368	033-9368	0339368A406	5



CLIENT/PROJECT

Kodak

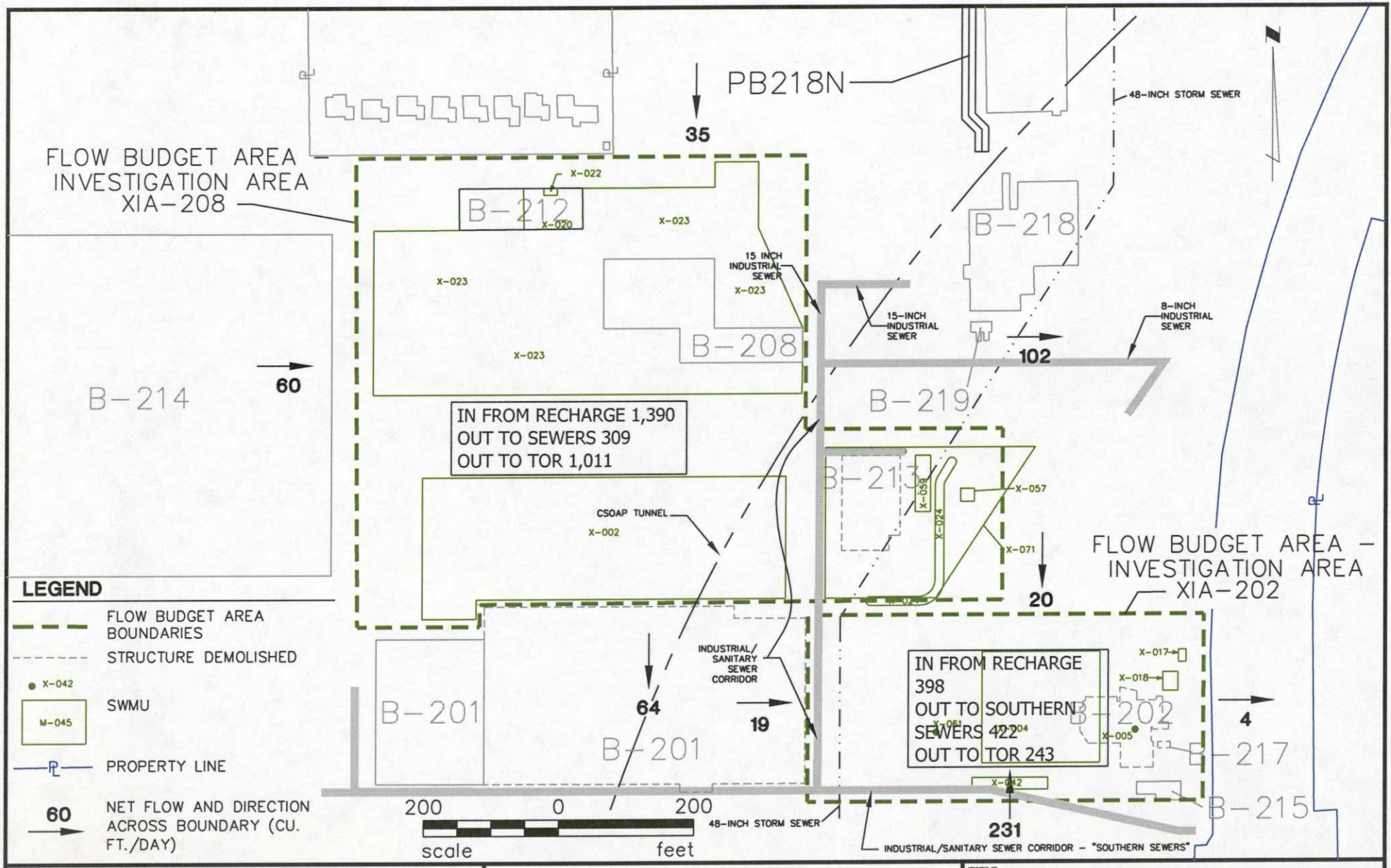
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

XIA-202/208 GQ GROUNDWATER ELEVATION CONTOUR MAP - MARCH 5, 2002

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	DCW	EMM	3/19/04	AS SHOWN	033-9368	033-9368	0339368A407	6



CLIENT/PROJECT

Kodak

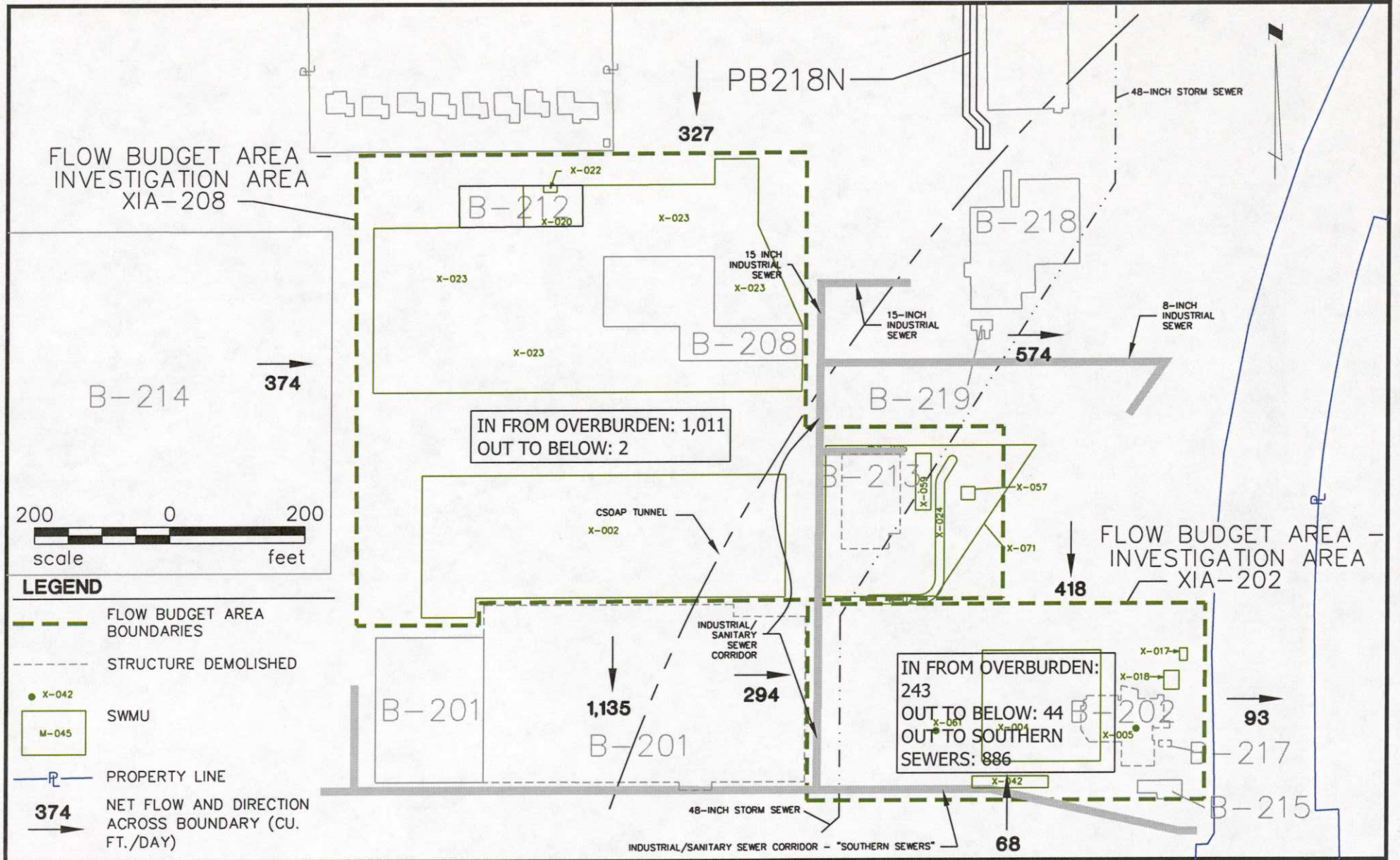
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

GROUNDWATER FLOW BUDGET FOR THE OVERBURDEN LAYER

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
AM	ACK		3/19/04	AS SHOWN	033-9368	033-9368	0339368A411	7



CLIENT/PROJECT

Kodak

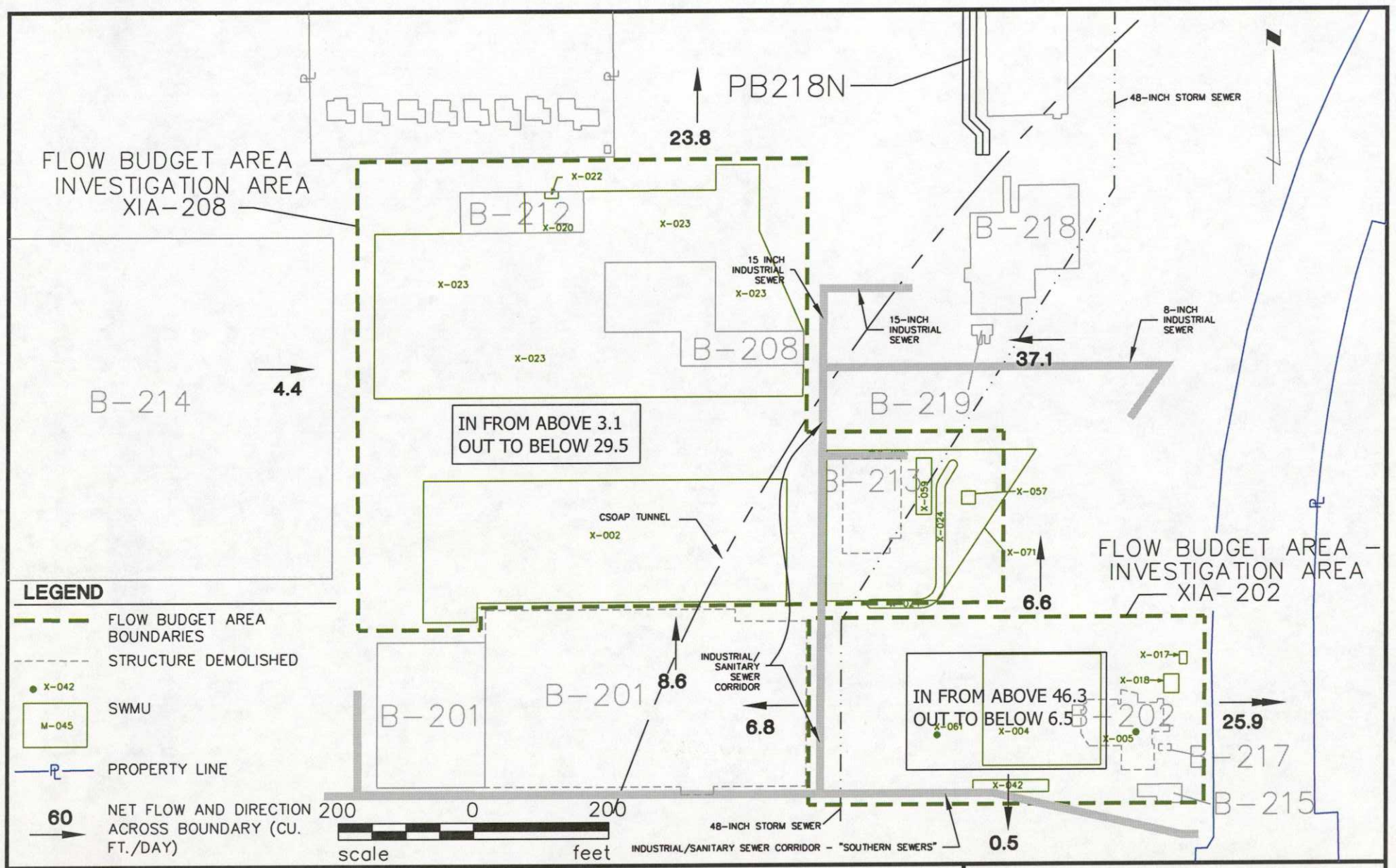
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

GROUNDWATER FLOW BUDGET FOR THE TOR LAYER

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
AM	ACK	DCW	3/19/04	AS SHOWN	033-9368	033-9368	0339368A412	8



CLIENT/PROJECT

XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

GROUNDWATER FLOW BUDGET FOR THE GQ LAYER

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	DCW	EMM	3/19/04	AS SHOWN	033-9368	033-9368	0339368A420	9

CLIENT/PROJECT

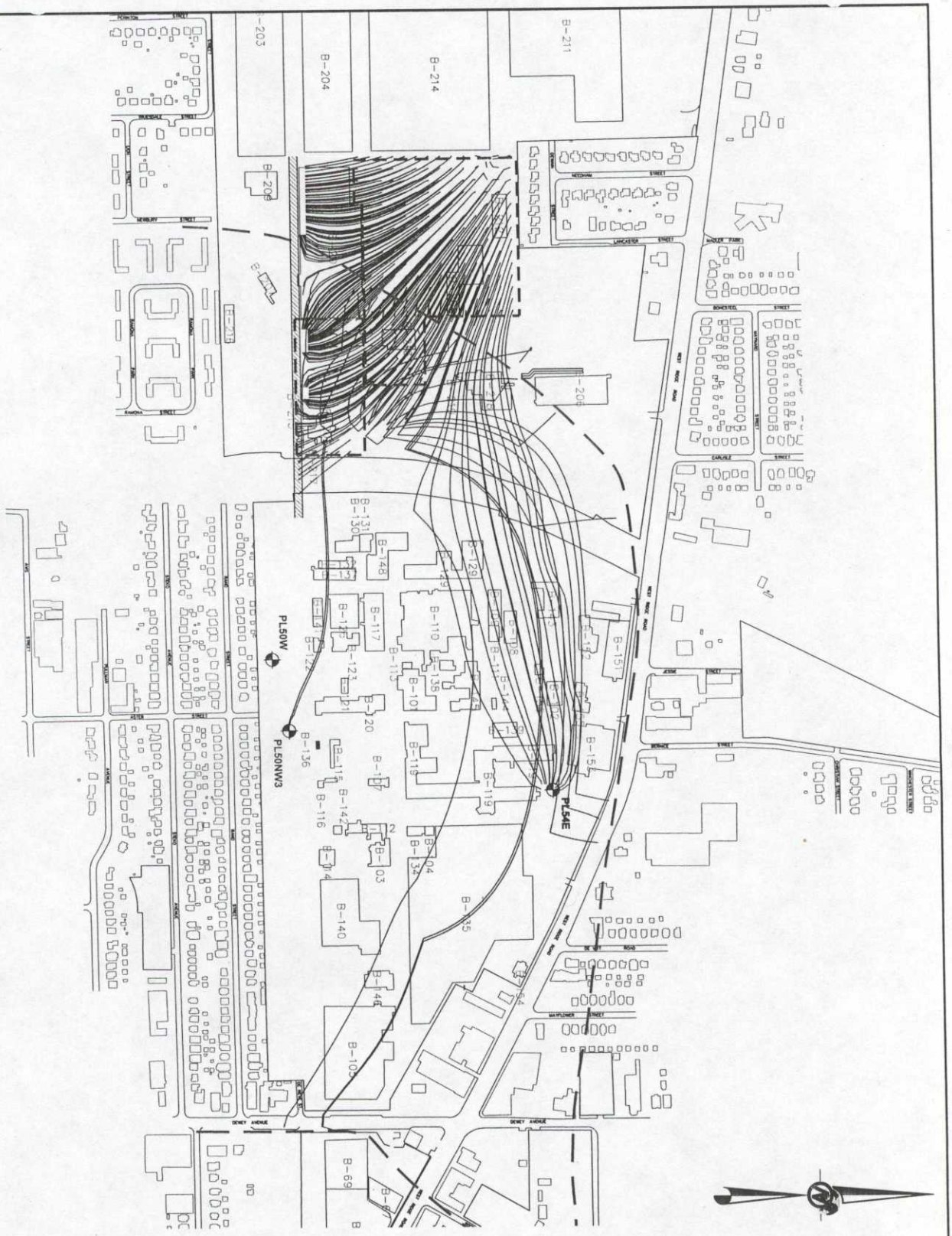
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

FATE DIAGRAM FOR THE OVERBURDEN LAYER

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	DCW	EMM	3/19/04	AS SHOWN	033-9368	033-9368	0339368A413	10



LEGEND

- PARTICLE PATHLINE
- CSOAP TUNNEL
- PL50NW3 — EXTRACTION WELL
- APPROXIMATE LOCATION OF SOUTHERN SEWERS

FIGURE 11

PROJECT No.	033-9368
FILE No.	033936841B
REV. 0	SCALE AS SHOWN
DESIGN	ACK 01/26/04
CADD	AM 02/05/04
CHECK	TPC 3/12/04
REVIEW	ETM 3/15/04

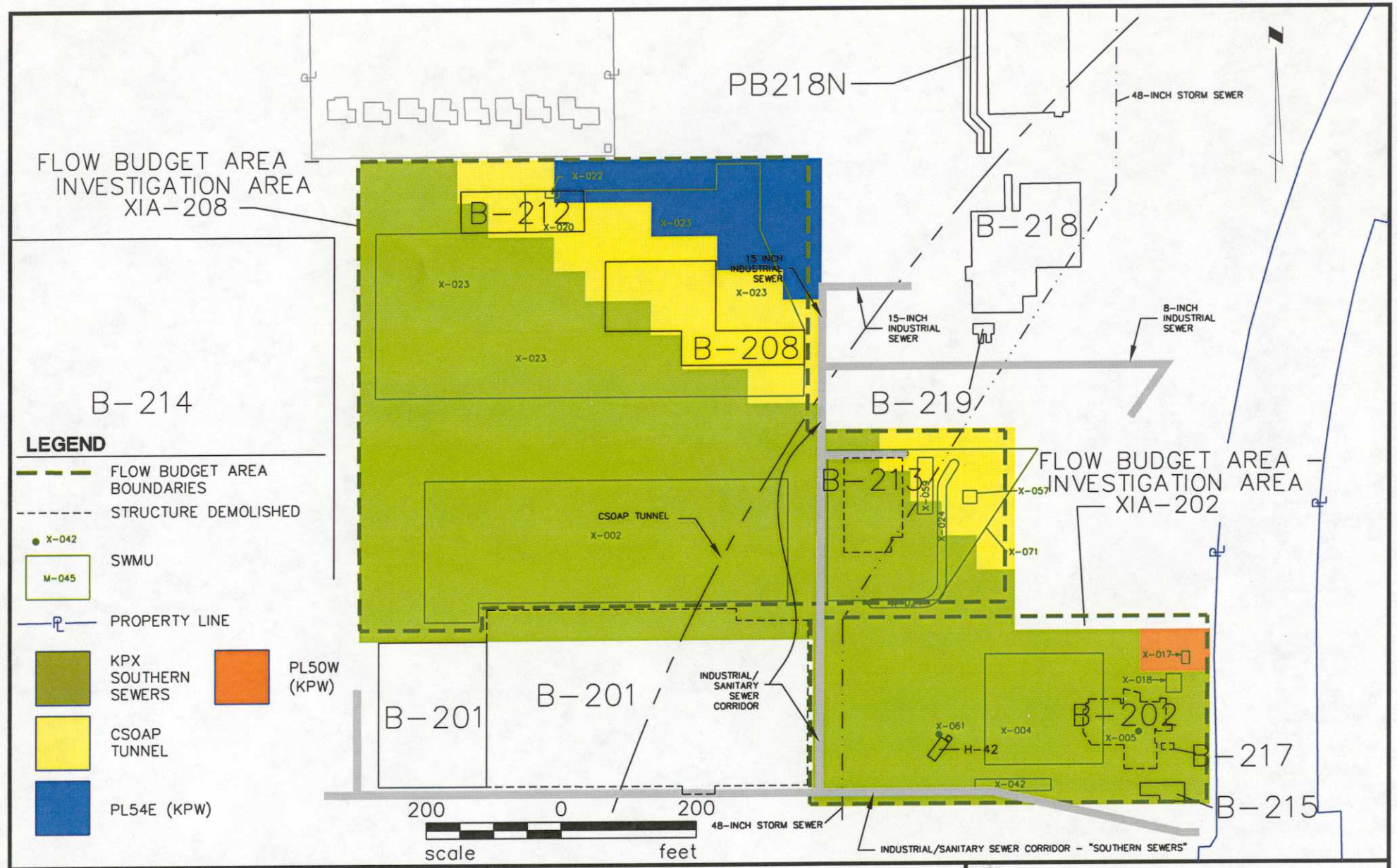
TITLE

GROUNDWATER PARTICLE PATHLINES FOR THE OVERBURDEN LAYER

PROJECT

XIA-202/208
CORRECTIVE MEASURES STUDY
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates
Philadelphia, USA



CLIENT/PROJECT

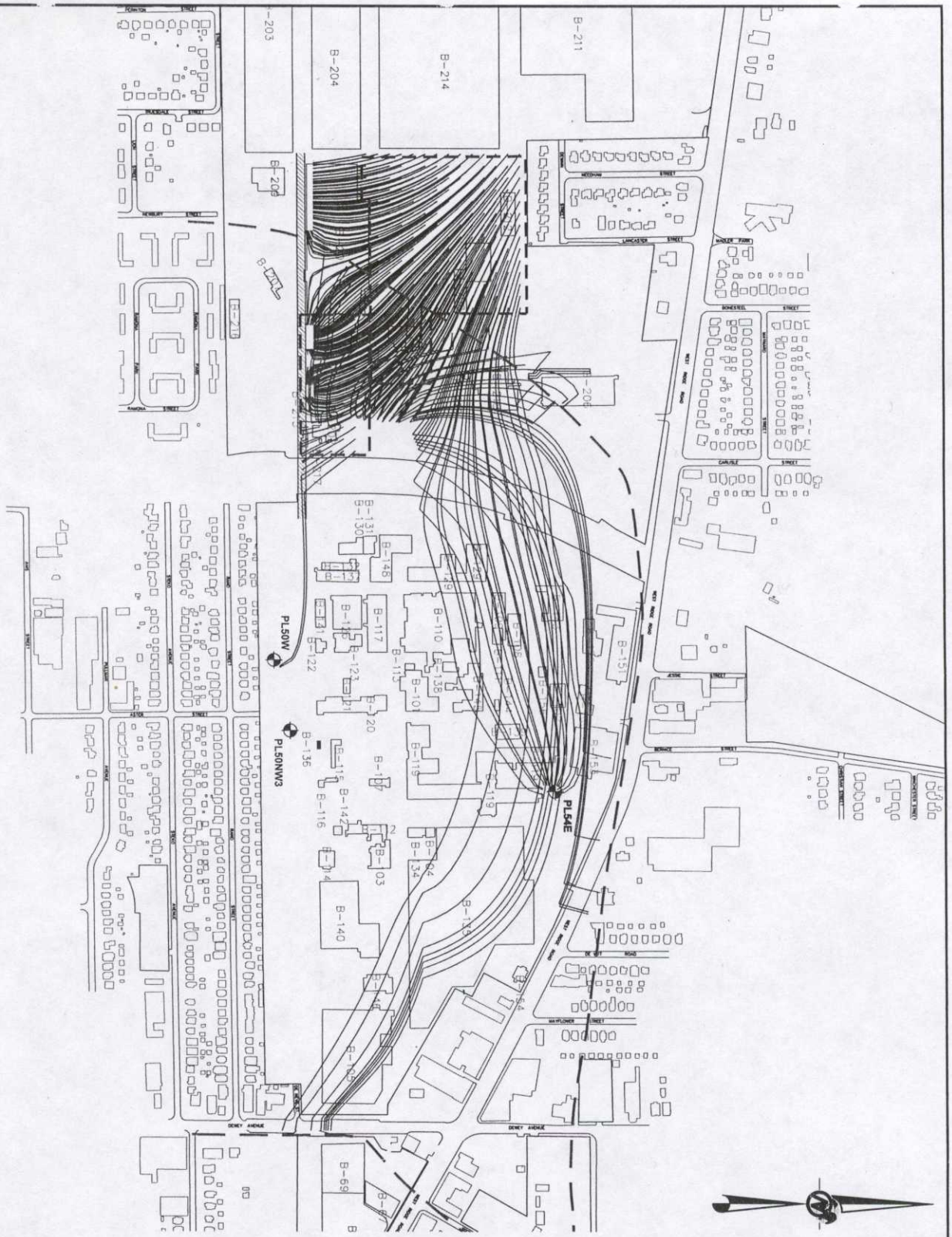
XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates Buffalo, New York

TITLE

FATE DIAGRAM
FOR THE TOR LAYER

DRAWN	CHECKED	REVIEWED	DATE	SCALE	FILE NO.	JOB NO.	DWG NO.	FIGURE
RGA	DCW	EMM	3/19/04	AS SHOWN	033-9368	033-9368	0339368A414	12



LEGEND

- PARTICLE PATHLINE
- CSOAP TUNNEL
- PL50NW3 — EXTRACTION WELL
- APPROXIMATE LOCATION OF SOUTHERN SEWERS

400 0 400
SCALE FEET

FIGURE 13

TITLE

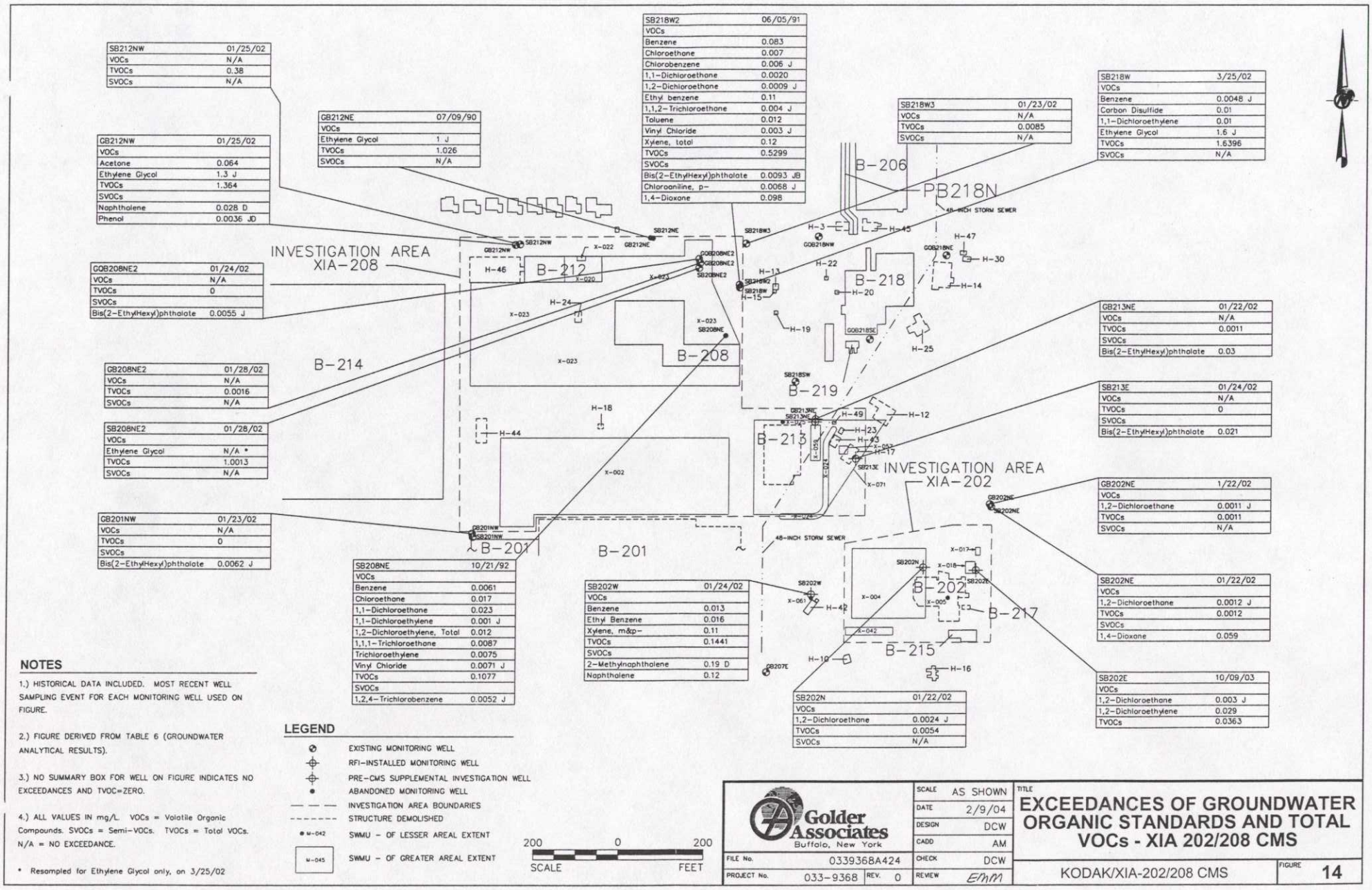
GROUNDWATER PARTICLE PATHLINES FOR THE TOR LAYER

PROJECT

XIA-202/208
CORRECTIVE MEASURES STUDY
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

Golder Associates
Philadelphia, USA

PROJECT No.	033-9368	
FILE No.	033936BA419	REV. 0 SCALE AS SHOWN
DESIGN	ACK	01/26/04
CADD	AM	02/05/04
CHECK	DV	3/31/04
REVIEW	CHM	3/31/04


SB212NW 01/25/02
VOCs N/A
TVOCs 0.38
SVOCs N/A
GB212NW 01/25/02
VOCs
Acetone 0.064
Ethylene Glycol 1.3 J
TVOCs 1.364
SVOCs
Naphthalene 0.028 D
Phenol 0.0036 JD
GB212NE 07/09/90
VOCs
Ethylene Glycol 1 J
TVOCs 1.026
SVOCs N/A
SB218W2 06/05/91
VOCs
Benzene 0.083
Chloroethane 0.007
Chlorobenzene 0.006 J
1,1-Dichloroethane 0.0020
1,2-Dichloroethane 0.0009 J
Ethyl benzene 0.11
1,1,2-Trichloroethane 0.004 J
Toluene 0.012
Vinyl Chloride 0.003 J
Xylene, total 0.12
TVOCs 0.5299
SVOCs
Bis(2-EthylHexyl)phthalate 0.0093 JB
Chloroaniline, p- 0.0068 J
1,4-Dioxane 0.098
SB218W3 01/23/02
VOCs N/A
TVOCs 0.0085
SVOCs N/A
SB218W 3/25/02
VOCs
Benzene 0.0048 J
Carbon Disulfide 0.01
1,1-Dichloroethylene 0.01
Ethylene Glycol 1.6 J
TVOCs 1.6396
SVOCs N/A
GB208NE2 01/24/02
VOCs N/A
TVOCs 0
SVOCs
Bis(2-EthylHexyl)phthalate 0.0055 J
GB208NE2 01/28/02
VOCs N/A
TVOCs 0.0016
SVOCs N/A
SB208NE2 01/28/02
VOCs
Ethylene Glycol N/A *
TVOCs 1.0013
SVOCs N/A
GB201NW 01/23/02
VOCs N/A
TVOCs 0
SVOCs
Bis(2-EthylHexyl)phthalate 0.0062 J
SB208NE 10/21/92
VOCs
Benzene 0.0061
Chloroethane 0.017
1,1-Dichloroethane 0.023
1,1-Dichloroethylene 0.001 J
1,2-Dichloroethylene, Total 0.012
1,1,1-Trichloroethane 0.0087
Trichloroethylene 0.0075
Vinyl Chloride 0.0071 J
TVOCs 0.1077
SVOCs
1,2,4-Trichlorobenzene 0.0052 J
SB202W 01/24/02
VOCs
Benzene 0.013
Ethyl Benzene 0.016
Xylene, m&p- 0.11
TVOCs 0.1441
SVOCs
2-Methylnaphthalene 0.19 D
Naphthalene 0.12
SB202N 01/22/02
VOCs
1,2-Dichloroethane 0.0024 J
TVOCs 0.0054
SVOCs N/A
GB213NE 01/22/02
VOCs N/A
TVOCs 0.0011
SVOCs
Bis(2-EthylHexyl)phthalate 0.03
SB213E 01/24/02
VOCs N/A
TVOCs 0
SVOCs
Bis(2-EthylHexyl)phthalate 0.021
GB202NE 1/22/02
VOCs
1,2-Dichloroethane 0.0011 J
TVOCs 0.0011
SVOCs N/A
SB202NE 01/22/02
VOCs
1,2-Dichloroethane 0.0012 J
TVOCs 0.0012
SVOCs
1,4-Dioxane 0.059
SB202E 10/09/03
VOCs
1,2-Dichloroethane 0.003 J
1,2-Dichloroethylene 0.029
TVOCs 0.0363
INVESTIGATION AREA XIA-208
INVESTIGATION AREA XIA-202
B-201
B-202
B-206
B-208
B-212
B-213
B-214
B-215
B-217
B-218
B-219
PB218N
48-INCH STORM SEWER
NOTES
1.) HISTORICAL DATA INCLUDED. MOST RECENT WELL SAMPLING EVENT FOR EACH MONITORING WELL USED ON FIGURE.
2.) FIGURE DERIVED FROM TABLE 6 (GROUNDWATER ANALYTICAL RESULTS).
3.) NO SUMMARY BOX FOR WELL ON FIGURE INDICATES NO EXCEEDANCES AND TVOC=ZERO.
4.) ALL VALUES IN mg/L. VOCs = Volatile Organic Compounds. SVOCs = Semi-VOCs. TVOCs = Total VOCs. N/A = NO EXCEEDANCE.
* Resampled for Ethylene Glycol only, on 3/25/02
LEGEND
EXISTING MONITORING WELL
RFI-INSTALLED MONITORING WELL
PRE-CMS SUPPLEMENTAL INVESTIGATION WELL
ABANDONED MONITORING WELL
INVESTIGATION AREA BOUNDARIES
STRUCTURE DEMOLISHED
SWMU - OF LESSER AREAL EXTENT
SWMU - OF GREATER AREAL EXTENT
200 0 200
SCALE FEET
Golder Associates
Buffalo, New York
FILE No. 0339368A424
PROJECT No. 033-9368 REV. 0
SCALE AS SHOWN
DATE 2/9/04
DESIGN DCW
CADD AM
CHECK DCW
REVIEW EMM
TITLE
EXCEEDANCES OF GROUNDWATER ORGANIC STANDARDS AND TOTAL VOCs - XIA 202/208 CMS
KODAK/XIA-202/208 CMS
FIGURE 14

L01B208N071592	07/15/92
PCBs	
Aroclor-1260	4.8
Metals	
Arsenic	21.2

B01B208NE12032001	12/03/01
PCBs	
Aroclor-1254	4:0
Metals	
Arsenic	54.7

4531-01-01	10/28/99
SVOCs	
Benzo(a)pyrene	4.7
Metals	
Arsenic	7.97

4531-02-01	10/28/99
SVOCs	
Benzo(a)pyrene	4.0
Metals	
Arsenic	5.85

SS01B213SE12032001	12/3/01
SVOCs	
Benzo(a)anthracene	20.0
Benzo(b)fluoranthene	18.0
Benzo(a)pyrene	18.0
Dibenzo(a,h)anthracene	6.0
Indeno(1,2,3-cd)pyrene	12.0
Metals	
Arsenic	16.2

SSAB8P12-01	8/24/00
Metals	
Arsenic	15.7

SSAB9P12-01	8/24/00
Metals	
Arsenic	14.2

L01B213E120594	12/5/94
SVOCs	
Benzo(a)anthracene	87.0
Benzo(b)fluoranthene	110.0
Benzo(a)pyrene	100.0
Dibenzo(a,h)anthracene	5.3
Metals	
Arsenic	10.2

B01B202W080394	8/3/94
SVOCs	
Benzo(a)pyrene	1.7
Metals	
Arsenic	7.17

INVESTIGATION AREA XIA-208

INVESTIGATION AREA XIA-202

PB218N

48-INCH STORM SEWER

48-INCH STORM SEWER

B-201

B-201

B-202

B-206

B-208

B-212

B-213

B-214

B-215

B-217

B-218

B-219

H-3 H-10 H-12 H-13 H-14 H-15 H-16 H-17 H-18 H-19 H-20 H-22 H-23 H-24 H-25 H-30 H-42 H-43 H-44 H-45 H-46 H-47 H-49

L01B208N071592

B01B208NE12032001
X-023

4531-01-01
4531-02-01

SSAB8P12-01
SSAB9P12-01

L01B213E120594

SS01B213SE12032001

B01B202W080394

150 0 150
scale feet

LEGEND

- EXPOSED SOIL SAMPLE LOCATION WITH I/C RBL EXCEEDANCE
- INVESTIGATION AREA BOUNDARIES
- STRUCTURE DEMOLISHED
- PROPERTY LINE
- AREAS OF POTENTIALLY EXPOSED SOILS TO BE COVERED
- AREAS OF POTENTIALLY EXPOSED SOILS TO BE COVERED OR REMOVED

NOTES

1.) ONLY EXPOSED SAMPLE LOCATIONS WITH I/C RBL EXCEEDANCES ARE SHOWN.
2.) SAMPLE LOCATIONS WITH ONLY CONCENTRATIONS OF ARSENIC IN EXCEEDANCE OF THE I/C RBL BUT BELOW THE EASTERN U.S. BACKGROUND CONCENTRATIONS (3-12 mg/kg) ARE NOT SHOWN.
3.) ALL CONCENTRATIONS REPORTED IN mg/kg.

Golder Associates — Buffalo, New York

CLIENT/PROJECT: Kodak — XIA-202/208 CORRECTIVE MEASURES STUDY
KODAK PARK CORRECTIVE ACTION PROGRAM
EASTMAN KODAK COMPANY
ROCHESTER, NEW YORK

TITLE: AREAS DESIGNATED FOR PROTECTIVE COVERING OR SOIL REMOVAL IN XIA-202/208 WHERE SUBSTANCES IN SOIL EXCEEDED I/C RBLs AND WERE NOT ELIMINATED BY INSTITUTIONAL CONTROLS

DRAWN	AJN	DATE	1/27/04	JOB NO.	033-9368
CHECKED	EMM	SCALE	AS SHOWN	DWG. NO.	0339368A401
REVIEWED	DCV	FILE NO.	033-9368	FIGURE NO.	15