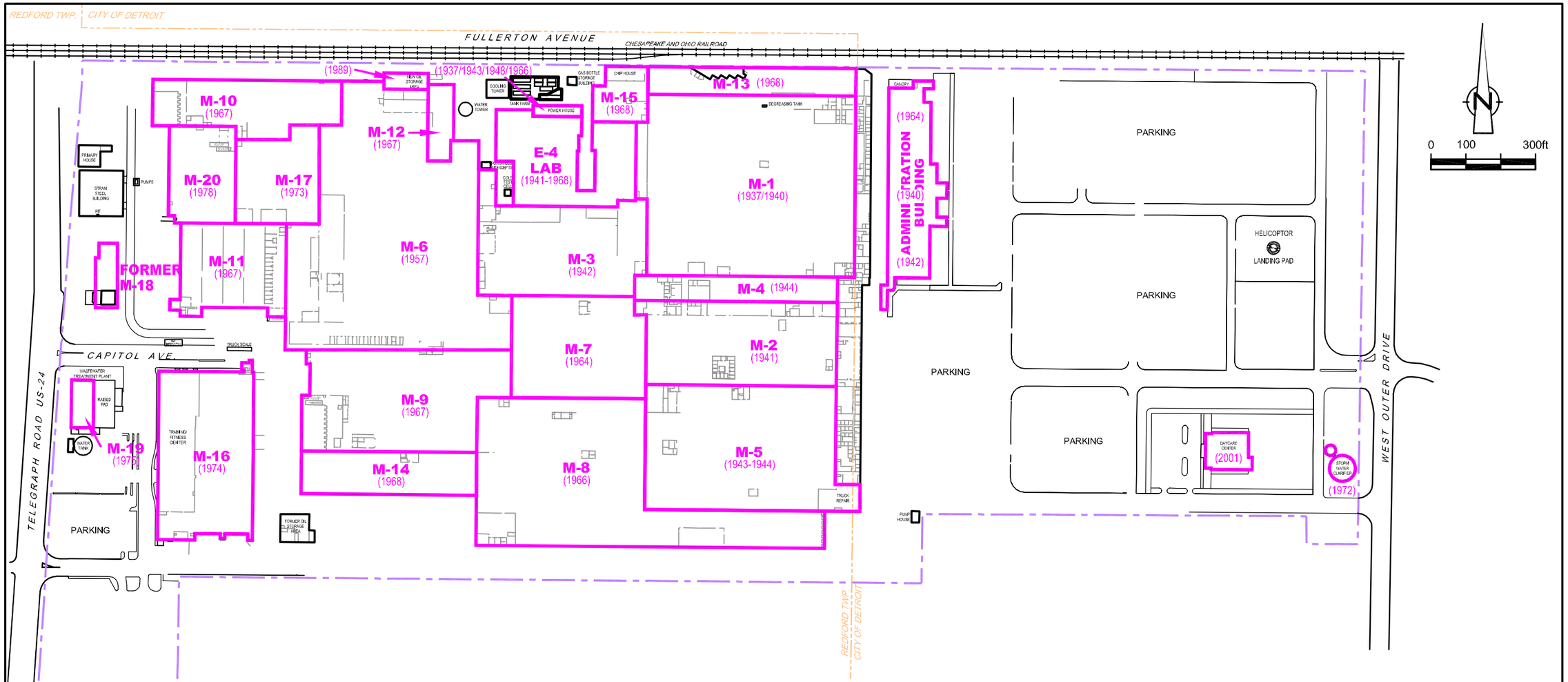


LEGEND

- PROPERTY BOUNDARY
- CITY OF DETROIT/REDFORD TOWNSHIP BOUNDARY
- RAILROAD
- M-3 (1942) BUILDING/AREA AND CONSTRUCTION DATE
- BUILDING LOCATION

LIST OF BUILDINGS

BUILDING	ACTIVITIES	BUILDING	ACTIVITIES
M-1	MANUFACTURING	M-11	ENGINE TESTING
M-2	MAINTENANCE	M-12	HEAVY ENGINE TESTING
M-3	MANUFACTURING	M-13	RECEIVING/STORAGE
M-4	MAINTENANCE/GENERAL STORES	M-14	MACHINING
M-5	MANUFACTURING	M-15	WASTE STORAGE AREA
M-6	ASSEMBLY LINES	M-16	STORAGE/TRAINING & FITNESS CENTER
M-7	MACHINING	M-17	ENGINE PAINTING
M-8	MANUFACTURING	M-18	FORMER TRUCK REPAIR GARAGE
M-9	STORAGE	M-19	WASTEWATER TREATMENT PLANT
M-10	SHIPPING DOCK	M-20	SKID STORAGE DECK

BASE SOURCES:

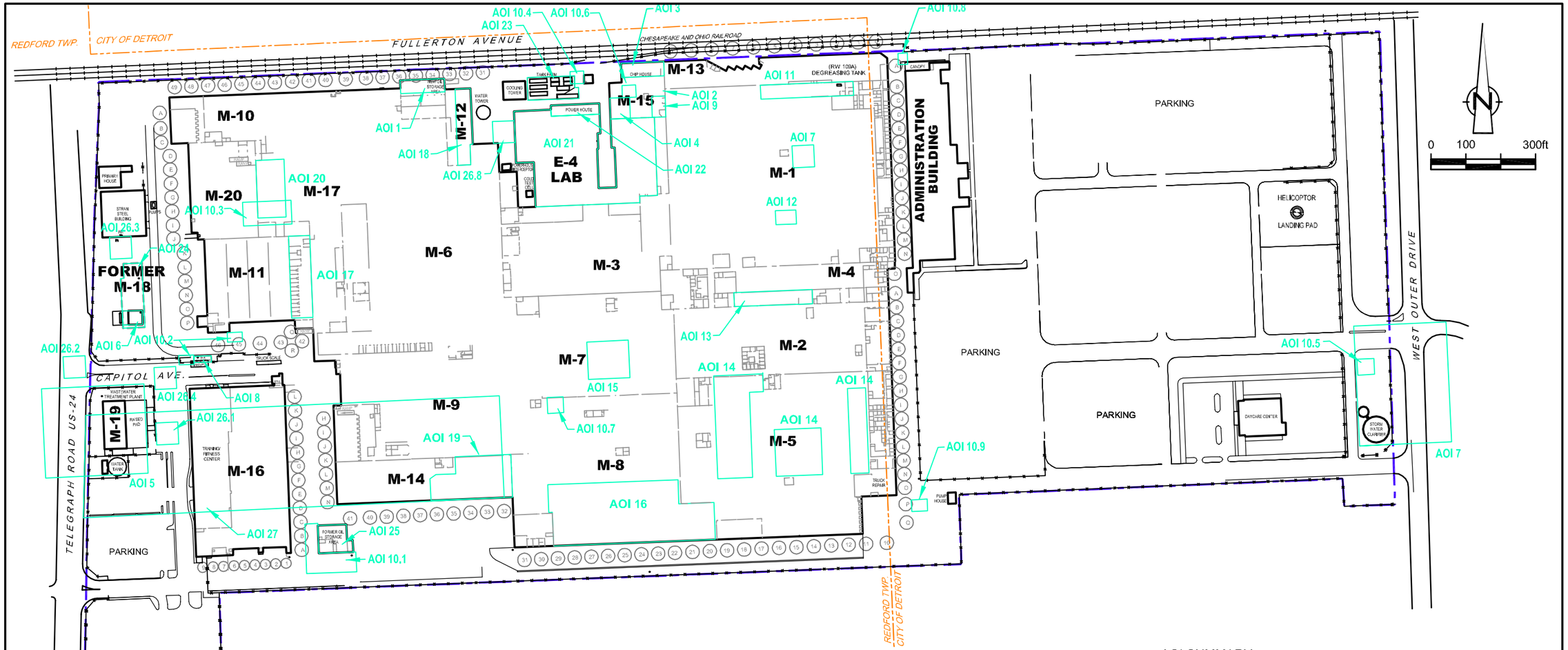
1) SURVEY No.17690 BY DAVID C. ADAMS & SON, DATED JUNE 1, 1990

2) AUTOCAD FILE NAMED "PROPERTY LINE" RECEIVED FROM DETROIT DIESEL CORPORATION, JAN. 10, 2001

figure 1

SITE PLAN
DETROIT DIESEL CORPORATION SITE
Redford Twp / Detroit, Michigan

059381-01(001)GN-DE006 DEC 30/2009



LEGEND

- PROPERTY BOUNDARY
- CITY OF DETROIT/REDFORD TOWNSHIP BOUNDARY
- FENCE
- RAILROAD
- **M-3** BUILDING/AREA
- AOI 14 AREA OF INTEREST LOCATION

LIST OF BUILDINGS

BUILDING	HISTORICAL OPERATIONS
M-1	MANUFACTURING
M-2	MAINTENANCE
M-3	MANUFACTURING
M-4	MANUFACTURING/GENERAL STORES
M-5	MANUFACTURING
M-6	ASSEMBLY LINES
M-7	MACHINING
M-8	MANUFACTURING
M-9	STORAGE
M-10	SHIPPING DOCK
M-11	ENGINE TESTING
M-12	HEAVY ENGINE TESTING
M-13	RECEIVING/STORAGE
M-14	MACHINING
M-15	WASTE STORAGE AREA
M-16	STORAGE/TRAINING & FITNESS CENTER
M-17	ENGINE PAINTING
M-18	FORMER TRUCK REPAIR GARAGE/INCINERATOR
M-19	WASTEWATER TREATMENT PLANT
M-20	SKID STORAGE DECK

AOI SUMMARY

AOI ID	DESCRIPTION	AOI ID	DESCRIPTION
AOI 1	FORMER HAZARDOUS WASTE UST	AOI 15	BUILDING M-7
AOI 2	HAZARDOUS WASTE CONTAINER STORAGE AREA (CSA)	AOI 16	BUILDING M-8
AOI 3	SCRAP METAL PITS	AOI 17	BUILDING M-11
AOI 4	NON-HAZARDOUS PAINT AND GRINDING SLUDGE AREA	AOI 18	BUILDING M-12
AOI 5	WASTEWATER TREATMENT PLANT (WWTP)	AOI 19	BUILDING M-14
AOI 6	FORMER WASTE PAINT SLUDGE CSA	AOI 20	BUILDING M-17
AOI 7	STORMWATER CLARIFIER	AOI 21	E-4 LAB
AOI 8	FORMER WASTE CHEMICAL STORAGE AREA	AOI 22	POWERHOUSE
AOI 9	BATTERY ACCUMULATION AREA	AOI 23	TANK FARM
AOI 10	FORMER USTS	AOI 24	FORMER BUILDING M-18
AOI 11	DEPARTMENT 109	AOI 25	FORMER OIL STORAGE AREA
AOI 12	COLUMN K-5 SUMP AREA	AOI 26	MISCELLANEOUS RELEASES
AOI 13	DEPARTMENT 169	AOI 27	FORMER AUTOMOTIVE JUNKYARD
AOI 14	BUILDING M-5		

BASE SOURCES:
1) SURVEY No. 17690 BY DAVID C. ADAMS & SON, DATED JUNE 1, 1990
2) AUTOCAD FILE NAMED "PROPERTY LINE" RECEIVED FROM DETROIT DIESEL CORPORATION, JAN. 10, 2001

figure 2

AOI LOCATIONS
DETROIT DIESEL CORPORATION SITE
Redford Twp / Detroit, Michigan

059381-01(001)GN-DE007 DEC 30/2009

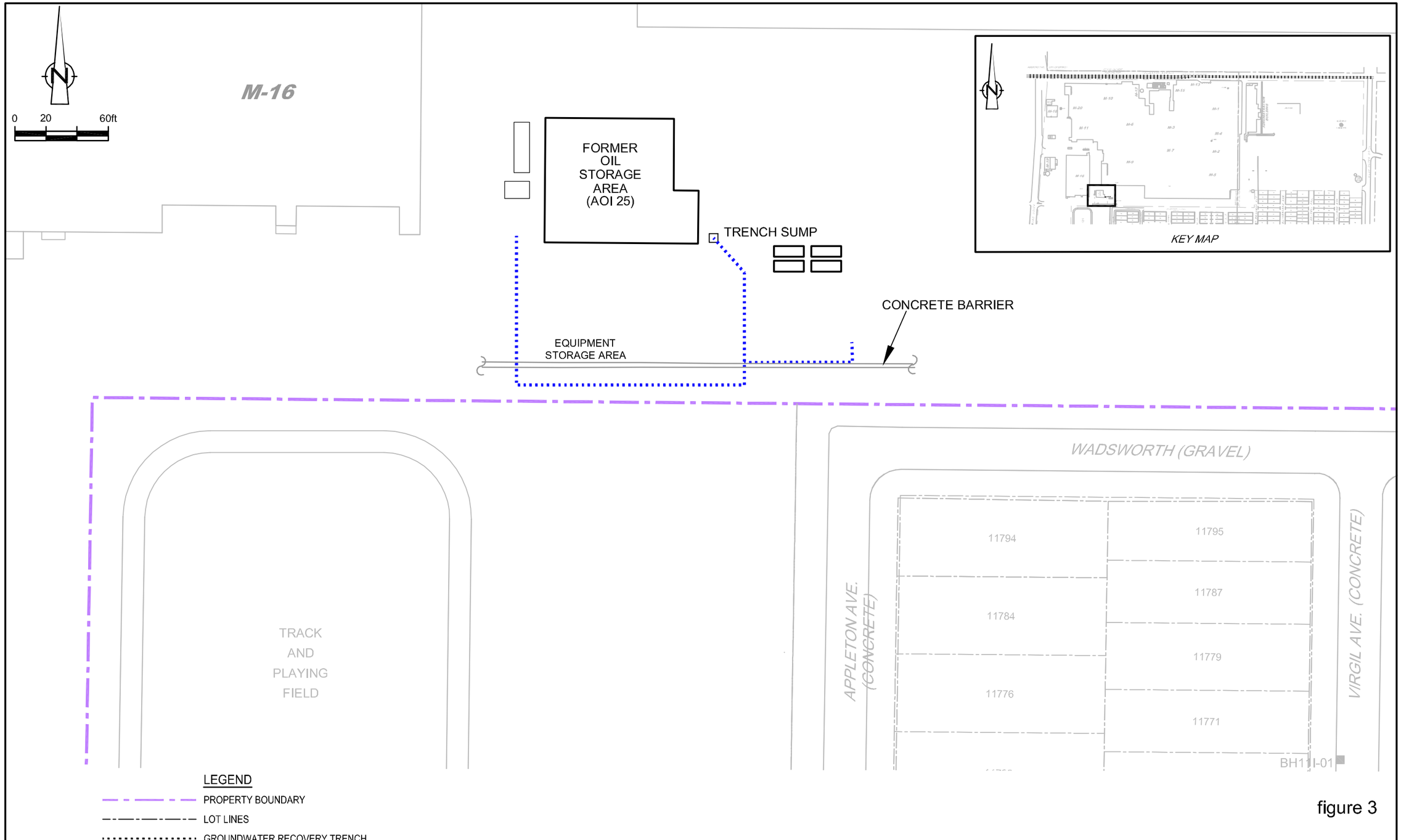
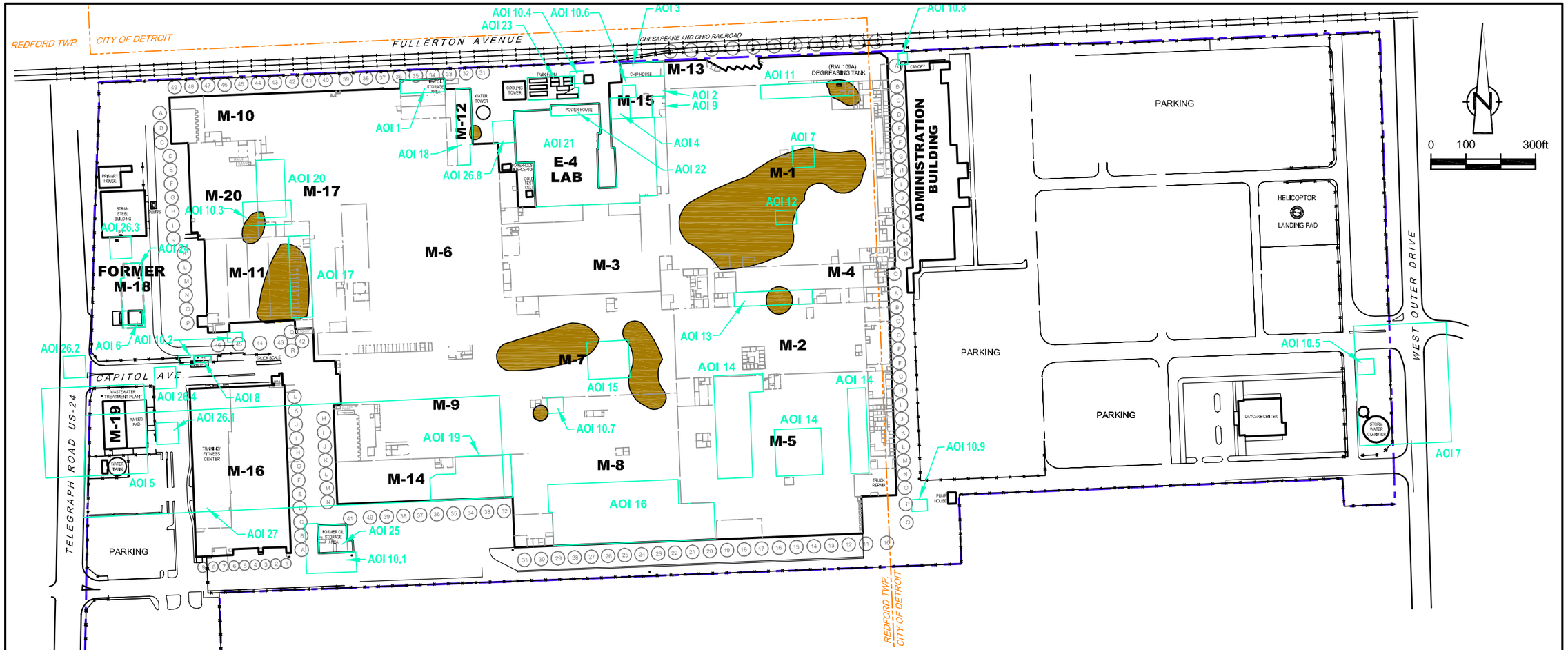


figure 3

AOI 25 LOCATION
DETROIT DIESEL CORPORATION SITE
Redford Twp / Detroit, Michigan

059381-01(001)GN-DE008 DEC 30/2009



LEGEND

- PROPERTY BOUNDARY
- CITY OF DETROIT/REDFORD TOWNSHIP BOUNDARY
- FENCE
- RAILROAD
- M-3 BUILDING/AREA
- AOI 14 AREA OF INTEREST LOCATION
- APPROXIMATE LNAPL LIMITS

LNAPL PLUME CHARACTERISTICS (2002)

AOI	APPROXIMATE LATERAL AREA OF DELINEATED LNAPL PLUME (sq. ft.)	OBSERVED/AVERAGE THICKNESS (ft.)
7 AND 12	97,100	1.47
10.3	4,550	3.09
10.7	1,450	0.82
11	4,900	0.87
13	4,700	0.92
15 (WEST PLUME)	26,700	0.71
15 (EAST PLUME)	19,600	1.10
17	26,100	2.07
18	1,100	0.02

BASE SOURCES:
1) SURVEY No.17690 BY DAVID C. ADAMS & SON, DATED JUNE 1, 1990
2) AUTOCAD FILE NAMED "PROPERTY LINE" RECEIVED FROM DETROIT DIESEL CORPORATION, JAN. 10, 2001

figure 4

LNAPL AOIs
DETROIT DIESEL CORPORATION SITE
Redford Twp / Detroit, Michigan

059381-01(001)GN-DE009 DEC 30/2009

TABLE 1

AOI SUMMARY
DETROIT DIESEL CORPORATION SITE
REDFORD TOWNSHIP/DETROIT, MICHIGAN

Area of Interest		*Status*	*Corrective Action Determination*
AOI 1	Former Hazardous Waste UST	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 2	Hazardous Waste CSA	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 3	Scrap Metal Pits	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 4	Non-hazardous Paint and Grinding SSA	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 5	Wastewater Treatment Plant	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 6	Former Waste Paint Sludge CSA	Investigated in conjunction with AOI 24. RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 7	Stormwater Clarifier	RFI sample results did not exceed industrial screening criteria; LNAPL observed and delineated.	Proposed corrective measures to address LNAPL.
AOI 8	Former Waste Chemical Storage Area	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.

TABLE 1

AOI SUMMARY
DETROIT DIESEL CORPORATION SITE
REDFORD TOWNSHIP/DETROIT, MICHIGAN

Area of Interest		*Status*	*Corrective Action Determination*
AOI 9	Battery Accumulation Area	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 10	Former USTs	RFI sample results did not exceed pertinent industrial screening criteria or appropriate location-specific criteria; LNAPL observed and delineated at AOI 10.3 and 10.7.	Proposed corrective measures at AOI 10.3 and 10.7 to address LNAPL. No further action warranted at remaining sub-AOIs based on industrial land use criteria.
AOI 11	Department 109	RFI sample results did not exceed pertinent industrial screening criteria; LNAPL observed and delineated.	Proposed corrective measures to address LNAPL.
AOI 12	Column K-5 Sump Area	RFI sample results did not exceed pertinent industrial screening criteria; LNAPL observed and delineated.	Proposed corrective measures to address LNAPL.
AOI 13	Department 169	RFI sample results did not exceed industrial screening criteria; LNAPL observed and delineated.	Proposed corrective measures to address LNAPL.
AOI 14	Building M-5	RFI sample results did not exceed pertinent industrial screening criteria or appropriate location-specific criteria.	No further action warranted based on industrial land use criteria.
AOI 15	Building M-7	RFI sample results exceeded pertinent industrial screening criteria for phenanthrene and PCBs in one groundwater sample, but believed to be attributed to LNAPL; LNAPL observed and delineated.	Proposed corrective measures to address LNAPL.

TABLE 1

AOI SUMMARY
DETROIT DIESEL CORPORATION SITE
REDFORD TOWNSHIP/DETROIT, MICHIGAN

Area of Interest		*Status*	*Corrective Action Determination*
AOI 16	Building M-8	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 17	Building M-11	RFI sample results did not exceed pertinent industrial screening criteria; LNAPL observed and delineated.	Proposed corrective measures to address LNAPL.
AOI 18	Building M-12	RFI sample results did not exceed pertinent industrial screening criteria; LNAPL observed and delineated.	Proposed corrective measures to address LNAPL.
AOI 19	Building M-14	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 20	Building M-17	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 21	E-4 Lab	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 22	Powerhouse	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.
AOI 23	Tank Farm	RFI sample results did not exceed industrial screening criteria or appropriate location-specific criteria.	No further action warranted based on industrial land use criteria.
AOI 24	Former Building M-18	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.

TABLE 1

AOI SUMMARY
DETROIT DIESEL CORPORATION SITE
REDFORD TOWNSHIP/DETROIT, MICHIGAN

Area of Interest		*Status*	*Corrective Action Determination*
AOI 25	Former Oil Storage Area	Interim measures completed. Groundwater collection system extended and in-situ chemical oxidation using potassium permanganate conducted.	Interim measures proposed to be adopted as final corrective measures.
AOI 26	Miscellaneous Releases	No investigation was performed under the RFI because the miscellaneous releases were remediated at the time of occurrence.	No further action warranted.
AOI 27	Former Automotive Junkyard	RFI sample results did not exceed pertinent industrial screening criteria.	No further action warranted based on industrial land use criteria.

NOTES:
AOI – Area of Interest
LNAPL – Light Non-Aqueous Phase Liquid
RFI – RCRA Facility Investigation

TABLE 2

CRITERIA FOR EVALUATING GROUNDWATER MONITORING DATA
DETROIT DIESEL CORPORATION SITE
REDFORD TOWNSHIP/DETROIT, MICHIGAN

			Michigan Act 451, Part 201 Groundwater: Residential and Industrial-Commercial Generic Cleanup Criteria [1]			
			Residential & Commercial I Drinking Water	*Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation*	*Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation*	*Groundwater Contact*
Chemical	CAS Number	Unit				
Inorganics						
Aluminum	7429-90-5T	mg/l	0.05	NLV	NLV	64000
Antimony	7440-36-0T	mg/l	0.006	NLV	NLV	68
Arsenic	7440-38-2T	mg/l	0.01	NLV	NLV	4.3
Barium	7440-39-3T	mg/l	2	NLV	NLV	14000
Beryllium	7440-41-7T	mg/l	0.004	NLV	NLV	290
Cadmium	7440-43-9T	mg/l	0.005	NLV	NLV	190
Calcium	7440-70-2T	mg/l				
Chromium	7440-47-3T	mg/l	0.1	NLV	NLV	460
Cobalt	7440-48-4T	mg/l	0.04	NLV	NLV	2400
Copper	7440-50-8T	mg/l	1	NLV	NLV	7400
Iron	7439-89-6T	mg/l	0.3	NLV	NLV	58000
Lead	7439-92-1T	mg/l	0.004	NLV	NLV	ID
Magnesium	7439-95-4T	mg/l	400	NLV	NLV	1000000
Manganese	7439-96-5T	mg/l	0.05	NLV	NLV	9100
Mercury	7439-97-6T	mg/l	0.002	0.056	0.056	0.056
Nickel	7440-02-0T	mg/l	0.1	NLV	NLV	74000
Potassium	7440-09-7T	mg/l				
Selenium	7782-49-2T	mg/l	0.05	NLV	NLV	970
Silver	7440-22-4T	mg/l	0.034	NLV	NLV	1500
Sodium	7440-23-5T	mg/l	120	NLV	NLV	1000000
Thallium	7440-28-0T	mg/l	0.002	NLV	NLV	13
Vanadium	7440-62-2T	mg/l	0.0045	NLV	NLV	970
Zinc	7440-66-6T	mg/l	2.4	NLV	NLV	110000
PCBs						
Aroclor-1016 (PCB-1016)	12674-11-2	ug/l	0.5	45	45	3.3
Aroclor-1221 (PCB-1221)	11104-28-2	ug/l	0.5	45	45	3.3
Aroclor-1232 (PCB-1232)	11141-16-5	ug/l	0.5	45	45	3.3
Aroclor-1242 (PCB-1242)	53469-21-9	ug/l	0.5	45	45	3.3
Aroclor-1248 (PCB-1248)	12672-29-6	ug/l	0.5	45	45	3.3
Aroclor-1254 (PCB-1254)	11097-69-1	ug/l	0.5	45	45	3.3
Aroclor-1260 (PCB-1260)	11096-82-5	ug/l	0.5	45	45	3.3
Semi-Volatile Organic Compounds						
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	300000	300000	19000
1,2-Diphenylhydrazine	122-66-7	ug/l				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	108-60-1	ug/l				
2,2'-oxybis(2-Chloropropane)	39638-32-9	ug/l				
2,4,5-Trichlorophenol	95-95-4	ug/l	730	NLV	NLV	170000
2,4,6-Trichlorophenol	88-06-2	ug/l	120	NLV	NLV	10000
2,4-Dichlorophenol	120-83-2	ug/l	73	NLV	NLV	48000
2,4-Dimethylphenol	105-67-9	ug/l	370	NLV	NLV	520000
2,4-Dinitrophenol	51-28-5	ug/l				
2,4-Dinitrotoluene	121-14-2	ug/l	7.7	NLV	NLV	8600
2,6-Dinitrotoluene	606-20-2	ug/l				
2-Chloronaphthalene	91-58-7	ug/l	1800	ID	ID	6700
2-Chlorophenol	95-57-8	ug/l	45	ID	ID	94000
2-Methylnaphthalene	91-57-6	ug/l	260	ID	ID	25000
2-Methylphenol	95-48-7	ug/l	370	NLV	NLV	810000
2-Nitroaniline	88-74-4	ug/l				
2-Nitrophenol	88-75-5	ug/l	20	NLV	NLV	79000
3,3'-Dichlorobenzidine	91-94-1	ug/l	1.1	NLV	NLV	180
3-Nitroaniline	99-09-2	ug/l				
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	20	NLV	NLV	9500
4-Bromophenyl phenyl ether	101-55-3	ug/l				
4-Chloro-3-methylphenol	59-50-7	ug/l	150	NLV	NLV	79000
4-Chloroaniline	106-47-8	ug/l				
4-Chlorophenyl phenyl ether	7005-72-3	ug/l				
4-Methylphenol	106-44-5	ug/l	370	NLV	NLV	810000
4-Nitroaniline	100-01-6	ug/l				
4-Nitrophenol	100-02-7	ug/l				
Acenaphthene	83-32-9	ug/l	1300	4200	4200	4200
Acenaphthylene	208-96-8	ug/l	52	3900	3900	3900
Acetophenone	98-86-2	ug/l	1500	6100000	6100000	6100000
Anthracene	120-12-7	ug/l	43	43	43	43
Atrazine	1912-24-9	ug/l	3	NLV	NLV	5400
Benzaldehyde	100-52-7	ug/l				
Benzidine	92-87-5	ug/l	0.3	NLV	NLV	7.1
Benzo(a)anthracene	56-55-3	ug/l	2.1	NLV	NLV	9.4

TABLE 2

CRITERIA FOR EVALUATING GROUNDWATER MONITORING DATA
DETROIT DIESEL CORPORATION SITE
REDFORD TOWNSHIP/DETROIT, MICHIGAN

			Michigan Act 451, Part 201 Groundwater: Residential and Industrial-Commercial Generic Cleanup Criteria [1]			
			Residential & Commercial I Drinking Water	*Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation*	*Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation*	*Groundwater Contact*
Chemical	CAS Number	Unit				
Benzo(a)pyrene	50-32-8	ug/l	5	NLV	NLV	1
Benzo(b)fluoranthene	205-99-2	ug/l	1.5	ID	ID	1.5
Benzo(g,h,i)perylene	191-24-2	ug/l	1	NLV	NLV	1
Benzo(k)fluoranthene	207-08-9	ug/l	1	NLV	NLV	1
Biphenyl (1,1-Biphenyl)	92-52-4	ug/l				
bis(2-Chloroethoxy)methane	111-91-1	ug/l				
bis(2-Chloroethyl)ether	111-44-4	ug/l	2	38000	210000	5700
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	6	NLV	NLV	320
Butyl benzylphthalate	85-68-7	ug/l	1200	NLV	NLV	2700
Caprolactam	105-60-2	ug/l	5800	NLV	NLV	390000000
Carbazole	86-74-8	ug/l	85	NLV	NLV	7400
Chrysene	218-01-9	ug/l	1.6	ID	ID	1.6
Dibenz(a,h)anthracene	53-70-3	ug/l	2	NLV	NLV	2
Dibenzofuran	132-64-9	ug/l	ID	ID	ID	ID
Diethyl phthalate	84-66-2	ug/l	5500	NLV	NLV	1100000
Dimethyl phthalate	131-11-3	ug/l	73000	NLV	NLV	4200000
Di-n-butylphthalate	84-74-2	ug/l	880	NLV	NLV	11000
Di-n-octyl phthalate	117-84-0	ug/l	130	NLV	NLV	400
Fluoranthene	206-44-0	ug/l	210	210	210	210
Fluorene	86-73-7	ug/l	880	2000	2000	2000
Hexachlorobenzene	118-74-1	ug/l	1	440	3000	4.6
Hexachlorobutadiene	87-68-3	ug/l	15	1600	3200	400
Hexachlorocyclopentadiene	77-47-4	ug/l	50	130	420	1600
Hexachloroethane	67-72-1	ug/l	7.3	27000	50000	1900
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	2	NLV	NLV	2
Isophorone	78-59-1	ug/l	770	NLV	NLV	990000
Naphthalene	91-20-3	ug/l	520	31000	31000	31000
Nitrobenzene	98-95-3	ug/l	3.4	280000	550000	11000
N-Nitrosodimethylamine	62-75-9	ug/l				
N-Nitrosodi-n-propylamine	621-64-7	ug/l	5	NLV	NLV	360
N-Nitrosodiphenylamine	86-30-6	ug/l	270	NLV	NLV	35000
Pentachlorophenol	87-86-5	ug/l	1	NLV	NLV	200
Phenanthrene	85-01-8	ug/l	52	1000	1000	1000
Phenol	108-95-2	ug/l	4400	NLV	NLV	29000000
Pyrene	129-00-0	ug/l	140	140	140	140
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	77	15000	96000	30000
1,1,1-Trichloroethane	71-55-6	ug/l	200	660000	1300000	1300000
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	8.5	12000	77000	4700
1,1,2-Trichloroethane	79-00-5	ug/l	5	17000	110000	21000
1,1-Dichloroethane	75-34-3	ug/l	880	1000000	2300000	2400000
1,1-Dichloroethene	75-35-4	ug/l	7	200	1300	11000
1,1-Dichloropropene	563-58-6	ug/l				
1,2,3-Trichlorobenzene	87-61-6	ug/l				
1,2,3-Trichloropropane	96-18-4	ug/l	42	ID	ID	84000
1,2,4-Trichlorobenzene	120-82-1	ug/l	70	300000	300000	19000
1,2,4-Trimethylbenzene	95-63-6	ug/l	63	56000	56000	56000
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ug/l	0.2	1200	1200	390
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l	0.05	2400	15000	25
1,2-Dichlorobenzene	95-50-1	ug/l	600	160000	160000	160000
1,2-Dichloroethane	107-06-2	ug/l	5	9600	59000	19000
1,2-Dichloroethene (total)	540-59-0	ug/l				
1,2-Dichloropropane	78-87-5	ug/l	5	16000	36000	16000
1,3,5-Trimethylbenzene	108-67-8	ug/l	72	61000	61000	61000
1,3-Dichlorobenzene	541-73-1	ug/l	6.6	ID	ID	2000
1,3-Dichloropropane	142-28-9	ug/l				
1,3-Dichloropropene	542-75-6	ug/l	8.5	3900	26000	5500
1,4-Dichlorobenzene	106-46-7	ug/l	75	16000	74000	6400
2,2-Dichloropropane	594-20-7	ug/l				
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ug/l	13000	240000000	240000000	240000000
2-Chloroethyl vinyl ether	110-75-8	ug/l	ID	ID	ID	ID
2-Chlorotoluene	95-49-8	ug/l	150	220000	370000	44000
2-Hexanone	591-78-6	ug/l	1000	4200000	8700000	5200000
2-Phenylbutane (sec-Butylbenzene)	135-98-8	ug/l	80	ID	ID	4400
4-Chlorotoluene	106-43-4	ug/l				
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	108-10-1	ug/l	1800	20000000	20000000	13000000
Acetone	67-64-1	ug/l	730	1000000000	1000000000	31000000
Acetonitrile	75-05-8	ug/l	140	24000000	45000000	5600000
Acrolein	107-02-8	ug/l	120	2100	4200	3400000
Acrylonitrile	107-13-1	ug/l	2.6	34000	190000	14000

TABLE 2

CRITERIA FOR EVALUATING GROUNDWATER MONITORING DATA
DETROIT DIESEL CORPORATION SITE
REDFORD TOWNSHIP/DETROIT, MICHIGAN

			Michigan Act 451, Part 201 Groundwater: Residential and Industrial-Commercial Generic Cleanup Criteria [1]			
			Residential & Commercial I Drinking Water	*Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation*	*Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation*	*Groundwater Contact*
Chemical	CAS Number	Unit				
Benzene	71-43-2	ug/l	5	5600	35000	11000
Bromobenzene	108-86-1	ug/l	18	180000	390000	12000
Bromodichloromethane	75-27-4	ug/l	80	4800	37000	14000
Bromoform	75-25-2	ug/l	80	470000	3100000	140000
Bromomethane (Methyl Bromide)	74-83-9	ug/l	10	4000	9000	70000
Carbon disulfide	75-15-0	ug/l	800	250000	550000	1200000
Carbon tetrachloride	56-23-5	ug/l	5	370	2400	4600
Chlorobenzene	108-90-7	ug/l	100	210000	470000	86000
Chlorobromomethane	74-97-5	ug/l				
Chloroethane	75-00-3	ug/l	430	5700000	5700000	440000
Chloroform (Trichloromethane)	67-66-3	ug/l	80	28000	180000	150000
Chloromethane (Methyl Chloride)	74-87-3	ug/l	260	8600	45000	490000
cis-1,2-Dichloroethene	156-59-2	ug/l	70	93000	210000	200000
cis-1,3-Dichloropropene	10061-01-5	ug/l				
Cyclohexane	110-82-7	ug/l				
Cymene (p-Isopropyltoluene)	99-87-6	ug/l				
Dibromochloromethane	124-48-1	ug/l	80	14000	110000	18000
Dibromomethane	74-95-3	ug/l	80	ID	ID	530000
Dichlorodifluoromethane (CFC-12)	75-71-8	ug/l	1700	220000	300000	300000
Dichlorofluoromethane	75-43-4	ug/l				
Ethyl Ether	60-29-7	ug/l	10	61000000	61000000	35000000
Ethylbenzene	100-41-4	ug/l	74	110000	170000	170000
Hexachlorobutadiene	87-68-3	ug/l	15	1600	3200	400
Isopropylbenzene	98-82-8	ug/l	800	56000	56000	56000
Methyl acetate	79-20-9	ug/l				
Methyl cyclohexane	108-87-2	ug/l				
Methyl Tert Butyl Ether	1634-04-4	ug/l	40	47000000	47000000	610000
Methylene chloride	75-09-2	ug/l	5	220000	1400000	220000
Naphthalene	91-20-3	ug/l	520	31000	31000	31000
n-Butylbenzene	104-51-8	ug/l	80	ID	ID	5900
n-Propylbenzene	103-65-1	ug/l	80	ID	ID	15000
Styrene	100-42-5	ug/l	100	170000	310000	9700
tert-Butylbenzene	98-06-6	ug/l	80	ID	ID	8900
Tetrachloroethene	127-18-4	ug/l	5	25000	170000	12000
Tetrahydrofuran	109-99-9	ug/l	95	6900000	16000000	1600000
Toluene	108-88-3	ug/l	790	530000	530000	530000
trans-1,2-Dichloroethene	156-60-5	ug/l	100	85000	200000	220000
trans-1,3-Dichloropropene	10061-02-6	ug/l				
Trichloroethene	79-01-6	ug/l	5	15000	97000	22000
Trichlorofluoromethane (CFC-11)	75-69-4	ug/l	2600	1100000	1100000	1100000
Trifluorotrichloroethane (Freon 113)	76-13-1	ug/l	170000	170000	170000	170000
Vinyl acetate	108-05-4	ug/l	640	4100000	8900000	8000000
Vinyl chloride	75-01-4	ug/l	2	1100	13000	1000
Xylene (total)	1330-20-7	ug/l	280	190000	190000	190000
Cyanide (total)	57-12-5T	mg/l	0.2	NLV	NLV	57

NOTES:
(1) Criteria identified by MDEQ RRD Op Memo No. 1 updated 1/23/2006, pursuant to 1994 PA 451 as amended.
Applicable pathways for on-Site uses include: Industrial Groundwater Volatilization to Indoor Air Inhalation and Groundwater Contact
Applicable pathways for off-Site uses include: Residential Groundwater Volatilization to Indoor Air Inhalation and Groundwater Contact