BAK

Remediation and Liability Management Company Inc.

James F. Hartnett
Program Manager

January 31, 2008

Ms. Susan Edwards, P.E.
Bureau of Central Remedial Action
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th floor
Albany, New York 12233

Re: Ley Creek PCB Dredgings Site (Registry # 7-34-044)
NYSDEC Order on Consent Index # D-7-0008-97-06
2007 Annual OM&M Inspection Report

Dear Ms. Edwards,

The purposes of this letter are to summarize Operation, Maintenance, and Monitoring (OM&M) activities that were conducted at the Ley Creek PCB Dredgings Site (Site) in 2007 and present REALM's proposed modifications regarding continued wetland monitoring activities at the Site. The 2007 OM&M activities included one annual site inspection and one annual wetland evaluation.

2007 Annual Site Inspection
The site inspection was performed on June 29, 2007 in accordance with the NYSDEC-approved OM&M Manual (O'Brien & Gere 2001) for the Site, and in accordance with NYSDEC's letter dated May 30, 2007, which approved an annual inspection frequency. A letter report summarizing the annual site inspection was submitted to you on August 14, 2007. The table in Attachment 1 summarizes the status of the site inspection recommendations, as well as recommendations from the five-year review that were outstanding at the time of the August 2007 site inspection report.

As requested in the five-year review report, a certification that remedy-related OM&M is being performed is presented as Attachment 2.

2007 Wetland Evaluation
The OM&M Manual specified that a wetland evaluation was to be performed following the first full growing season (2001) and the subsequent four years (2002 through 2005). Based on the results of the 2005 evaluation, the restoration goal was met in three of the four sample plots evaluated in 2005. Since the restoration goal was not met in the fourth sample plot, an additional year (2006) of monitoring was recommended. Based on the results of the 2006 evaluation, the restoration goal was once again met in three of the four sample plots evaluated in 2006. Since the restoration goal was not met in the fourth sample plot, additional restoration activities in the area not meeting the restoration goal were

GM Remediation Team • 1 General Motors Drive• Syracuse, NY 13206-1127
Phone (315) 463 2391 • FAX (315) 432 5023 • Email: jim.f.hartnett@gm.com

recommended. These included discing, fertilization, mulching, and an additional year (2007) of monitoring. It was also recommended that monitoring be discontinued in the areas meeting the restoration goal. NYSDEC concurred with these recommendations in their letter dated May 30, 2007.

The area not meeting the restoration goal was disced, reseeded with a wetland vegetation mix, and mulched with straw in May 2007, and the 2007 annual wetland evaluation was performed on this area. The letter report in Attachment 3 dated January 29, 2008 summarizes the 2007 wetland evaluation. Results of the 2007 evaluation indicated that the reseeded wetland area has improved slightly in 2007 as compared to the observations made during the 2006 evaluation, but does not meet the restoration goal of 90% ground cover.

As detailed in the letter report in Attachment 3, it is recommended that, as an offset to the 0.06 acre wetland deficit, and in lieu of continued wetland monitoring, an additional 0.6 acre area of vegetation buffer be established at the Site. This buffer area would provide opportunity for wildlife cover and forage in a buffer/transition area for the restored wetlands which is ten times larger than the area that currently does not meet the goal at the Site. The existing wetlands and reseeded area would continue to be managed as restored wetland at the Site.

REALM would appreciate NYSDEC's concurrence with the proposed modifications contained herein. Should you or your staff have any questions regarding the contents of this annual OM&M inspection report, in particular the proposed modifications, please contact me at (315) 463-2391.

Sincerely,

James F. Hartnett/BAE

James F. Hartnett
Remediation Program Manager

Enclosure

cc: James Burke (NYSDEC)
Robert Nunes (USEPA)
Douglas Crawford, P.E. (O'Brien & Gere)
Maureen S. Markert, P.E. (O'Brien & Gere)

Attachment 1

Status of 2007 recommendations

Issue	Recommended Action	Status
Conduct an assessment of actions to control burrowing animals at the site (*e.g.*, removal of burrowing animals). Where needed, topsoil should be placed in holes and seed and fertilizer applied (USEPA 2007).	A New York State licensed trapper will trap burrowing animals from the Site in the areas noted in the June 2007 OM&M inspection report.	To be performed in spring 2008.
Repair pavement depression with like asphalt (USEPA 2007).	Depression will be repaired.	Completed in September 2007.
Replace grates in catch basins with trash racks to minimize clogging (USEPA 2007).	Evaluation of engineering controls being conducted to minimize clogging at CB-1, CB-2, and CB-3. CB-5/004 receives minimal flow and CB-4/003 does not generally clog with debris.	Evaluated in August 2007. Installation of recommended trash racks to be performed in spring 2008.
Exposed erosion control fabric within CB-3 overflow spillway (O'Brien & Gere 2007).	Topsoil and seed will be placed.	Completed in September 2007.
Lack of vegetation within CB-3 overflow spillway (O'Brien & Gere 2007).	Additional topsoil and seed will be placed.	Completed in September 2007.
Soil covering MW-12 and MW-13 due to burrowing animal (O'Brien & Gere 2007).	A New York State licensed trapper will trap burrowing animals from areas. Material covering and around the monitoring wells will be placed back in the burrow and additional topsoil and seed placed, if necessary. If excess material is generated, it will be properly characterized and disposed.	Material replacement and seeding completed in September 2007. Trapping to be performed in spring 2008.
Implement repair by placing additional crushed stone and improve drainage of the stone access road by constructing small drainage channels to convey ponded water from the road to Ley Creek. This could be performed by removal of less than 1 foot of vegetative cover material with subsequent replacement of crushed stone.	Additional stone was placed within there areas. In lieu of construction of drainage channels, the areas with historical rutting will be monitored in future inspections.	Areas will be observed during future OM&M inspections.
Phragmites in asphalt (O'Brien & Gere 2007).	Herbicide will be applied to the areas.	Phragmites were cut and herbicide was applied in September 2007.

USEPA. 2007. United Stated Environmental Protection Agency. *Five Year Review Report, Ley Creek PCB Dredgings Subsite Onondaga Lake Site, Onondaga County, Town of Salina, New York.* January 2007.

O'Brien & Gere. 2007. O'Brien & Gere Engineers, Inc. *June 2007 OM&M Inspection Report.* August 2, 2007.

Attachment 2

OM&M Certification

ENGINEER'S CERTIFICATION

Owner: REALM
Site: Ley Creek PCB Dredgings Site
Registry Site # 7-34-044
Project: Operation and Maintenance
Engineer: O'Brien & Gere
Contractor: Royal Environmental

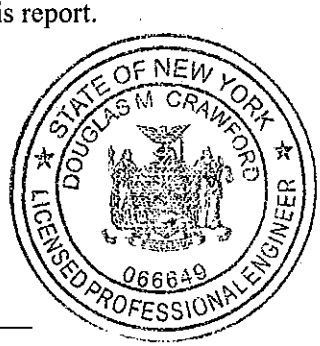
Recitals

1. Remediation and Liability Management Company (REALM) and the New York State Department of Environmental Conservation (NYSDEC) entered into an Order on Consent (Index # D-7-0008-97-06) that became effective upon the signature by the NYSDEC on July 15, 1999 (the "Order"). The Order requires REALM, among other things, to conduct Operation and Maintenance (O&M) activities at the Ley Creek PCB Dredgings Site (the "Site") in accordance with the approved O&M Manual for the Site.

2. The NYSDEC has approved the following document, which details the O&M requirements for the Site:
   - Operation, Maintenance, and Monitoring Manual; Ley Creek PCB Dredgings Site; Syracuse, New York. September 2001.

Certification

The annual inspection of the Site was performed under my supervision. Based on my inquiry of the person or persons responsible for conducting the inspection, I hereby certify that the OM&M activities were performed as described in this report.



By: Douglas M. Crawford
Douglas M. Crawford, P.E.
Vice President
O'Brien & Gere Engineers, Inc.

Date: 1/30/08

Attachment 3

2007 Wetland Evaluation Report

O'BRIEN & GERE

January 29, 2008

Mr. James F. Hartnett
General Motors Corporation
One General Motors Drive STE2
Syracuse, NY 13206-1127

Re: Ley Creek PCB Dredgings Site
2007 OM&M Wetland Evaluation

File: 4966/34124 #2

Dear Jim:

This letter presents the results of wetland evaluation efforts performed at the Ley Creek PCB Dredgings Site (the Site), located in Syracuse, New York. Mr. Ron Chiarello and Ms. Carol Thomas of O'Brien & Gere performed the evaluation on October 5, 2007, in accordance with Section 2.6 of the September 2001 *Operation, Maintenance, and Monitoring Manual* (OM&M Manual) and the May 30, 2007 correspondence from Ms. Susan Edwards of the New York State Department of Environmental Conservation (NYSDEC) to you, dated May 30, 2007.

The OM&M Manual specifies that a wetland evaluation was to be performed following the first full growing season (2001) and the subsequent four years (2002 through 2005). Based on the results of the 2005 evaluation, the restoration goal was met in three of the four sample plots evaluated in 2005. Since the restoration goal was not met in the fourth sample plot, an additional year (2006) of monitoring was recommended. As noted in the evaluation prepared in 2006, the restoration goal was once again met in three of the four sample plots evaluated in 2006. Since the restoration goal was not met in the fourth sample plot, additional restoration activities in the area not meeting the restoration goal were recommended. These included discing, fertilization, reseeding, mulching, and an additional year (2007) of monitoring. It was also recommended that monitoring be discontinued in the areas meeting the restoration goal. NYSDEC concurred with these recommendations in their letter dated May 30, 2007. As documented in the June 2007 OM&M inspection report, the area depicted on Figures 1 and 2 was reseeded with a wetland vegetation mix (Attachment 1).

Therefore, the 2007 evaluation effort was performed on the area of additional restoration activities as depicted on Figures 1 and 2. For this evaluation, the wetland area of additional restoration activities is referred to as the "reseeded wetland area."

BACKGROUND

As documented in the *Wetland Delineation Report* for the Site, dated January 1998, eight emergent wetlands, totaling approximately 1.4 acres and dominated by dense stands of common reed (*Phragmites australis*) were identified at the Site prior to implementation of the Remedial Action. These wetlands were considered fringe wetlands based on their location adjacent to Ley Creek. The implementation of the Remedial Action at the Site temporarily eliminated these wetlands. A Wetland Mitigation Plan (letter

implementation of the Remedial Action at the Site temporarily eliminated these wetlands. A Wetland Mitigation Plan (letter report dated September 15, 2000), which consisted of the planting of reed canary grass (*Phalaris arundincea*), was prepared by O'Brien & Gere on behalf of General Motors Corporation and approved by NYSDEC and the United States Environmental Protection Agency (USEPA) for the impacted wetlands at the Site. The Wetland Mitigation Plan was based on an evaluation of pre-remediation site conditions and anticipated post-remediation site conditions. The wetland mitigation was incorporated in the Remedial Design. Figures 1 through 5 of this letter report depict the locations of the restored wetland areas at the Site.

INSPECTION ACTIVITIES

In accordance with the OM&M Manual, a site visit was performed by a qualified O'Brien & Gere wetland scientist on October 5, 2007 to evaluate the reseeded wetland area and to identify recommendations that would support the success of the wetland mitigation.

RESTORATION EVALUATION OBJECTIVES

This letter report presents the results of the 2007 evaluation effort for the restored wetlands at the Site. Restoration success is based on the target percentage of ground cover and the density of planted and seeded species. The restoration goal for restored wetlands at the Site, as specified in Section 2.6 of the OM&M Manual, is 90% ground cover within the sample plots of seeded and wetland species. The performance standard for wetlands restoration at the Site is measured by the percent of established ground cover, either through planting or natural recruitment.

Consistent with the OM&M Manual, one 9-square-foot sample plot was used to evaluate ground cover in the reseeded wetland area during the 2007 evaluation. Data collected for the sample plot were recorded on a field data form developed by O'Brien & Gere; the completed form is included as Attachment 2 of this letter report. The sample plot location is identified on Figure 1 of this letter report.

In accordance with the OM&M Manual, the percent ground cover evaluation plot was located randomly in a representative area along the access road at the Site. The percent vegetative ground cover and percent ground cover by species was visually estimated within the plot and recorded on a field data form (Attachment 2). The data form included:

- species observed within the sample plot
- percent ground cover for each species observed
- the United States Fish and Wildlife Service (USFWS) indicator status for each species as described in the USFWS NERC-99/18.21 document dated 1988 - *National List of Plant Species That Occur in Wetlands* and the 1995 Northeast Supplement
- total percent ground cover
- percent of the total ground which are hydrophytic species based on their USFWS indicator status.

RESULTS AND DISCUSSION

One ground cover sample plot was evaluated within the reseeded wetland area at the Site. Data collected from the sample plot are presented on the field data form included as Attachment 2. The comparison of observed percent ground cover to the restoration goal is presented in Table 1. As depicted on the field data form and Table 1, the sample plot (Plot #1) did not meet the restoration goal ground cover percentage. Plot #1 had a total desirable ground cover of 60% (55% reed canary grass and 5% Japanese millet – *Echinochloa crusgalli frumenta*). The co-dominant species in Plot #1 were Lathco flat pea (*Lathyrus sylvestris*) and clover (*Trifolium pratense*). Lathco flat pea was a component of the seed mix used to vegetate the main site area. The presence of these species in Plot #1 is likely a result of this species encroaching into the reseeded wetland area from the main site area.

As this sample plot result indicates, an improvement in the percent cover of desirable ground cover species was observed within Plot #1 for the 2007 evaluation year, as compared to 2006. In 2007, the percent of desirable species was 60% as compared to 50% desirable species cover in 2006. A photograph log of the sample plot area is included as Attachment 3.

Common reed (*Phragmites australis*) and purple loosestrife (*Lythrum salicaria*), two highly invasive species, were generally observed in large numbers along the banks of Ley Creek in the Site area; however, it did not appear that these species were dominating the reseeded wetland area. Neither of these species was present in the sample plot evaluated in 2007.

CONCLUSIONS AND RECOMMENDATIONS

Evaluation efforts performed during the seventh full growing season (Year 2007 evaluation) indicated that the reseeded wetland area has improved slightly in 2007 as compared to the observations made during the 2006 evaluation. Plot #1 did not meet the target ground cover percentage of 90% reed canary grass and other desirable wetland species. However, as compared to the 2006 percent cover data in Plot #1, the percent cover of desirable wetland species increased from 50% to 60%.

Although the vegetation within the reseeded wetland area has become well established and a high percentage of desirable species is present, based on the 2007 monitoring event, the reseeded wetland area does not currently meet the OM&M Manual ground cover restoration goal (60% observed ground cover of desirable species versus the 90% goal). This could be for one of several reasons, including the somewhat dry summer that the area experienced this past year and/or encroachment of species from the adjacent vegetative cover (seeded species).

Based on restoration activities performed at the site, approximately 1.5 acres of wetlands were created at the site, as documented in the Remedial Action Engineering Report, dated September 2001, to meet the 1.4-acre wetland mitigation requirement. Based on monitoring activities performed to date, approximately 1.34 acres of wetland have been successfully created (1.5 acres originally created versus a 0.16-acre area that does not meet the target vegetation goal – the reseeded wetland area). The wetland creation deficit at the site is therefore approximately 0.06 acres. As an offset to this deficit, in lieu of continued monitoring, O'Brien & Gere recommends that an additional area of vegetation buffer (up to 5 feet from the vegetative cover/created wetland edge) be established. This buffer area

would be managed to encourage seed/forage production for wildlife use and would consist of vegetative species currently in place. Figures 1 through 5 of this letter report depict the location of the buffer area at the Site. As recommended by the USFWS during the initial design of Site restoration, a seed mix suitable for wildlife forage was utilized for the Site vegetative cover. Based on observations made for this evaluation, it appears that the vegetative cover consists of species seeded, including Lathco flat pea, clover, ryegrass, and timothy, during the initial site restoration activities.

The buffer area will be left to vegetate naturally (no mowing) with the exception of controlling the growth of woody vegetation, similar to the ongoing control of woody species at the Site. The proposed buffer area totals approximately 0.6 acres and is proposed to replace the potential loss of 0.06 acres of wetland (reseeded area) that does not currently meet the goal. However, the reseeded area will continue to be managed as restored wetland at the Site (*i.e.,* no mowing). The implementation of this recommendation will provide opportunity for wildlife cover and forage in a buffer/transition area for the restored wetlands, which is ten times larger than the area that currently does not meet the goal at the Site. Based on the results of the 2007 evaluation and the addition of the buffer/transition area, and in accordance with the OM&M Manual, continued monitoring of the restored wetland areas is no longer required.

If you should have any questions pertaining to the information presented in this letter, please feel free to contact Maureen Markert or me at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Bradley A. Kubiak, P.E.
Senior Project Engineer

\\NEWGEMINI\ALT\SYRACUSE\DIV71\Projects\4966\34124\2_corres\Client\2007 Wetland Monitoring\2007 report.doc

cc: Ronald P. Chiarello – O'Brien & Gere
Douglas M. Crawford, P.E. – O'Brien & Gere
Maureen S. Markert, P.E.- O'Brien & Gere

Table 1. *Summary of Ground Cover Evaluation*

Sample Plot #	**Desirable Ground Cover Goal**[a]	Observed Ground Cover	Observed Desirable Ground Cover[b]
1	**90%**	120%[c]	60%

[a] Ground cover of seeded and wetland-dependent species.

[b]Calculated by subtracting % cover of undesirable wetland species, *i.e., Lythrum salicaria, Phragmites australis*, if present, and non-wetland species from total % ground cover.

[c]Ground cover in plot measured over 100% because species are layered within the plot and overlap each other within same plot.

Attachment 1

Wetland Seed Mix

Royal ENVIRONMENTAL

FACSIMILE TRANSMITTAL SHEET

TO: Ed Rahn
FROM: Maria
COMPANY: CBG
DATE: June 6
FAX NUMBER: 463-7504
TOTAL NO. OF PAGES INCLUDING COVER: 2
PHONE NUMBER:
SENDER'S REFERENCE NUMBER:
RE:
YOUR REFERENCE NUMBER:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

SEED TAG MIX USED IN 2007 SEEDED WETLAND AREA BY ROYAL

* PER TODD SCOVILLE (ROYAL) CONVERSATION WITH ED RAHN (O'BRIEN & GERE)

RECEIVED
JUN 06 2007
O'BRIEN & GERE ENGINEERS
SYRACUSE, NY

P.O. Box 15719 • Rochester, NY 14615 • (585) 254-1840 • (585) 254-3134
1 General Motors Dr. • Syracuse, NY 13206 • (315) 446-6142 • (315) 446-6145

ERNST *Conservation Seeds LP*
9006 Mercer Pike, Meadville, PA 16335-9299
(800) 873-3321 or (814) 336-2404

Seasonally Flooded Wildlife Food Seed Mix

Item	*Botanical Name*	Purity	Germ	Hard	Dorm	Production Origin	Genetic Origin
Virginia Wild Rye	*Elymus virginicus*	19.91%	94.5%			PA	
Fox Sedge	*Carex vulpinoidea*	17.31%	84.0%		8.0%	PA	
Deer Tongue, Tioga	*Panicum clandestinum*	14.99%	14.0%		82.0%	PA	
PA Smartweed	*Polygonum pensylvanicum*	14.97%	70.0%			NE	
Japanese Millet	*Echinochloa crusgalli frumenta*	14.94%	96.0%			KS	
Switch Grass, Variety Not Stated	*Panicum virgatum, VNS*	4.99%	51.5%		37.5%	PA	
Blunt Broom Sedge	*Carex scoparia*	2.59%	84.0%		8.0%	PA	
Autumn Bentgrass	*Agrostis perennans*	1.97%	87.0%			OR	
Awl Sedge	*Carex atgata*	1.74%	90.0%			PA	
Showy Ticktrefoil	*Desmodium canadense*	1.00%	84.0%	6.0%		PA	
Bladder (Star) Sedge	*Carex intumescens*	0.99%	4.5%		88.5%	PA	
Path Rush	*Juncus tenuis*	0.97%	1.5%		78.5%	ID	

Other Crop: 0.02%
Inert Matter: 3.57%
Weed Seed: 0.04%

Net Weight: 4 LB
Lot Number: ERNMX-128-070309
Date Tested: January 2007

Attachment 2

Field Data Form

GROUND COVER DATA FORM

Site: REALM Ley Creek PCB Dredgings Site - Restored Wetland
Date: 10/5/2007
Investigator(s): C. Thomas & R. Chiarello
Plot: Plot #1 (re-seed area)
Wetland type: Emergent

Species	Wetland Indicator Status	Percent cover
Phalaris arundinacea	FACW+	55
Lathyrus sylvestris	NI (non-seeded)	20
Dipsacus sylvestris	FACU-	10
Echinochloa crusgalli frumenta	NI (seeded)	5
Lotus corniculatus	FACU-	5
Trifolium pratense	FACU-	25
	Total ground cover (%)	120[a]
	% desirable ground cover	60[b]

Note
[a]Ground cover in plot measured over 100% because species are layered within the plot and overlap each other within same plot.
[b]Calculated by subtracting % cover of undesirable wetland species, *i.e., Lythrum salicaria, Phragmites australis,* if present, non-wetland (FACU, FACU- and UPL), and non-indicator (NI), non-seeded species from total % ground cover.

Wetland Indicator Status Range
UPL (obligate upland) = probability of occurrence in wetland <1%
FACU (facultative upland) = probability of occurrence in wetland in the range 1 to 33%
FACU- (facultative upland -) = probability of occurrence in wetland in the lower part of the range 1 to 33%
FACU+ (facultative upland +) = probability of occurrence in wetland in the upper part of the range 1 to 33%
FAC (facultative) = probability of occurrence in wetland in the range 34 to 66%
FAC- (facultative -) = probability of occurrence in wetland in the lower part of the range 34 to 66%
FAC+ (facultative +) = probability of occurrence in wetland in the upper part of the range 34 to 66%
FACW (facultative wetland) = probability of occurrence in wetland in the range 67 to 99%
FACW- (facultative wetland -) = probability of occurrence in wetland in the lower part of the range 67 to 99%
FACW+ (facultative wetland +) = probability of occurrence in wetland in the upper part of the range 67 to 99%
OBL (obligate wetland) = probability of occurrence in wetland >99%
NI = non indicator species (not included on indicator listing)

Attachment 3

Photograph Log

Photo 1: Looking west at western portion of reseeded wetland area - Plot #1.
Date photo taken: 10/5/2007

Jan 29, 2008 - 8:37am

FIGURE 1

LANDS NOW OR FORMERLY
NIAGARA MOHAWK POWER CORPORATION
BOOK 598 PAGE 194
BOOK 607 PAGE 126
BOOK 557 PAGE 79

LEY CREEK

12" LIGHT RIP-RAP

AREA RESEEDED AND MONITORED IN 2007

PROPOSED WETLAND BUFFER

LANDS NOW OR FORMERLY
NIAGARA MOHAWK POWER CORPORATION
BOOK 598 PAGE 194
BOOK 607 PAGE 126
BOOK 557 PAGE 79

WETLAND GROUND COVER SAMPLE PLOT 1

MATCHLINE "B-B" FOR CONTINUATION SEE FIG. 2

MW-13

OVERFLOW SPILLWAY

CB-1

15" DOUBLE SWING GATE

HP

15"X21" CMP-ARCH

15"X21" CMP-ARCH

15"X21" CMP-ARCH

FACTORY AVENUE

PK NAIL
BENCHMARK #5
ELEV = 379.15
NORTHING = 1126932.5
EASTING = 941347.3

PK NAIL
BENCHMARK #6
ELEV = 379.08
NORTHING = 1126859.0
EASTING = 940864.8

LEGEND

- SEEDED WITH CANARY GRASS
- OHW — OVERHEAD WIRES
- PROPERTY BOUNDARY
- EDGE OF WOODS
- UTILITY POLE
- GUY WIRE
- SAN — SANITARY SEWER
- SMH — SANITARY MANHOLE
- CATCH BASIN
- SECURITY FENCE (SEE GENERAL NOTE 4)
- PAVEMENT
- GRAVEL ACCESS ROAD
- LIMITS OF SOIL LOCATED ALONG FACTORY AVENUE RELOCATED BENEATH COVER SYSTEM
- CATCH BASIN
- MW-OBG7C — MODIFIED MONITORING WELL
- MONITORING WELL PRESUMED DESTROYED
- ABANDONED MONITORING WELL
- NEW MONITORING WELL
- LIMITS OF EROSION CONTROL MAT
- LIMITS OF COVER SYSTEM
- LIMITS OF NON-WOVEN GEOTEXTILE
- WETLAND GROUND COVER SAMPLE PLOT LOCATION
- PROPOSED WETLAND BUFFER

LEY CREEK PCB DREDGINGS SITE
SYRACUSE, NEW YORK
SITE REMEDIATION PROJECT

OM&M PARTIAL SITE PLAN WETLAND EVALUATION

1"=40' 40 0 40

FILE NO. 4966.34124.070
JANUARY 2008

O'BRIEN & GERE ENGINEERS, INC.

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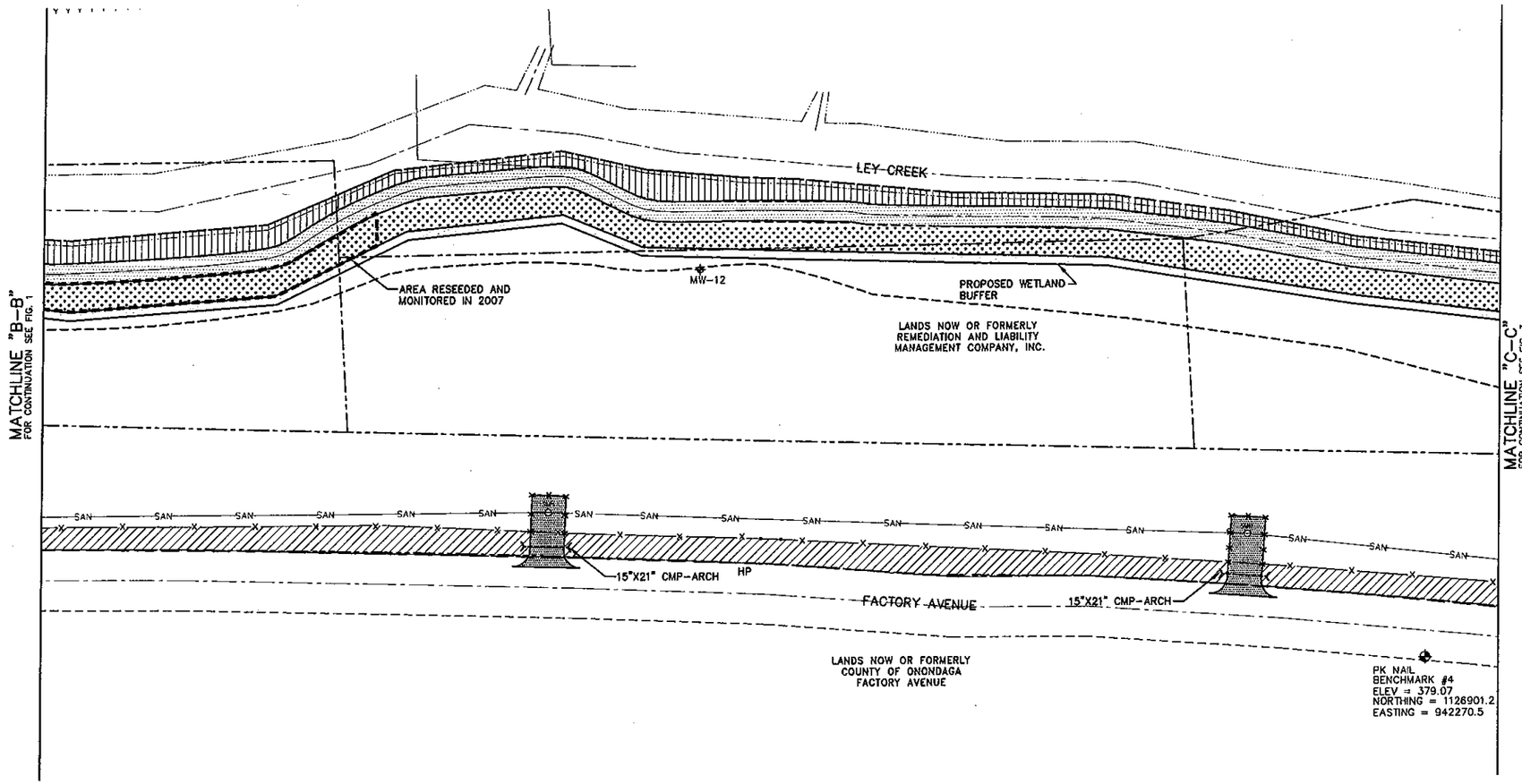


FIGURE 2

LEGEND

- SEEDED WITH CANARY GRASS
- OHW — OVERHEAD WIRES
- PROPERTY BOUNDARY
- EDGE OF WOODS
- UTILITY POLE
- GUY WIRE
- SAN — SANITARY SEWER
- SMH — SANITARY MANHOLE
- CATCH BASIN
- SECURITY FENCE (SEE GENERAL NOTE 4)
- PAVEMENT
- GRAVEL ACCESS ROAD
- LIMITS OF SOIL LOCATED ALONG FACTORY AVENUE RELOCATED BENEATH COVER SYSTEM
- CATCH BASIN
- MW-OBG7C — MODIFIED MONITORING WELL
- MONITORING WELL PRESUMED DESTROYED
- ABANDONED MONITORING WELL
- NEW MONITORING WELL
- LIMITS OF EROSION CONTROL MAT
- LIMITS OF COVER SYSTEM
- LIMITS OF NON-WOVEN GEOTEXTILE
- WETLAND GROUND COVER SAMPLE PLOT LOCATION
- PROPOSED WETLAND BUFFER

LEY CREEK PCB DREDGINGS SITE
SYRACUSE, NEW YORK
SITE REMEDIATION PROJECT

OM&M PARTIAL SITE PLAN WETLAND EVALUATION

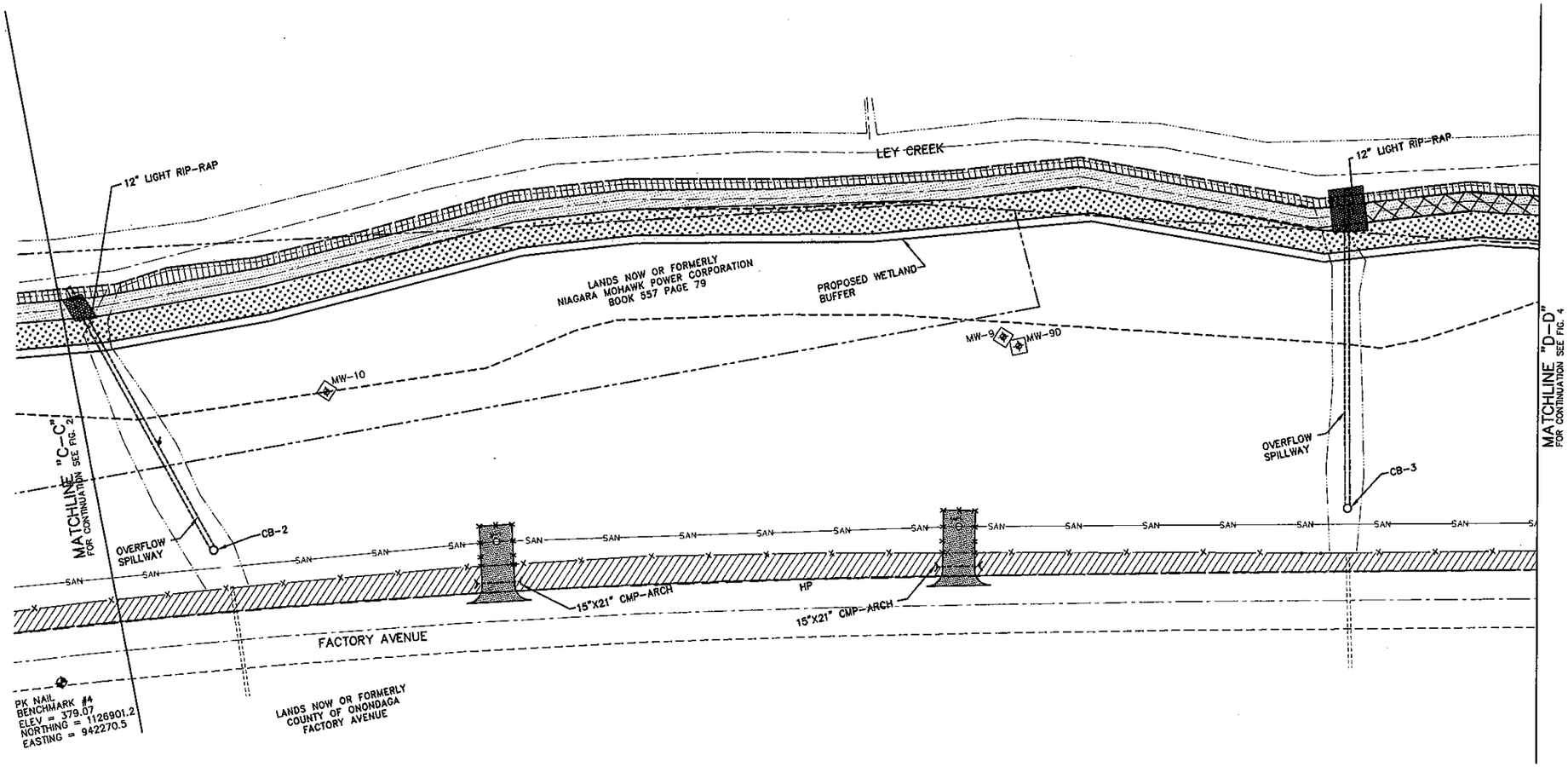
1"=40' 40 0 40

FILE NO. 4966.34124.071
JANUARY 2008

O'BRIEN & GERE ENGINEERS, INC.

Jan 29, 2008 - 8:28am

FIGURE 3



LEGEND

- SEEDED WITH CANARY GRASS
- OHW — OVERHEAD WIRES
- PROPERTY BOUNDARY
- EDGE OF WOODS
- UTILITY POLE
- GUY WIRE
- SAN — SANITARY SEWER
- SMH — SANITARY MANHOLE
- CATCH BASIN
- SECURITY FENCE (SEE GENERAL NOTE 4)
- PAVEMENT
- GRAVEL ACCESS ROAD
- LIMITS OF SOIL LOCATED ALONG FACTORY AVENUE RELOCATED BENEATH COVER SYSTEM
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- MW-OBG7C — MODIFIED MONITORING WELL
- MONITORING WELL PRESUMED DESTROYED
- ABANDONED MONITORING WELL
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- WETLAND GROUND COVER SAMPLE PLOT LOCATION
- PROPOSED WETLAND BUFFER

LEY CREEK PCB DREDGINGS SITE
SYRACUSE, NEW YORK
SITE REMEDIATION PROJECT

OM&M PARTIAL SITE PLAN WETLAND EVALUATION

1"=40' 40 0 40

FILE NO. 4966.34124.072
JANUARY 2008

O'BRIEN & GERE ENGINEERS, INC.

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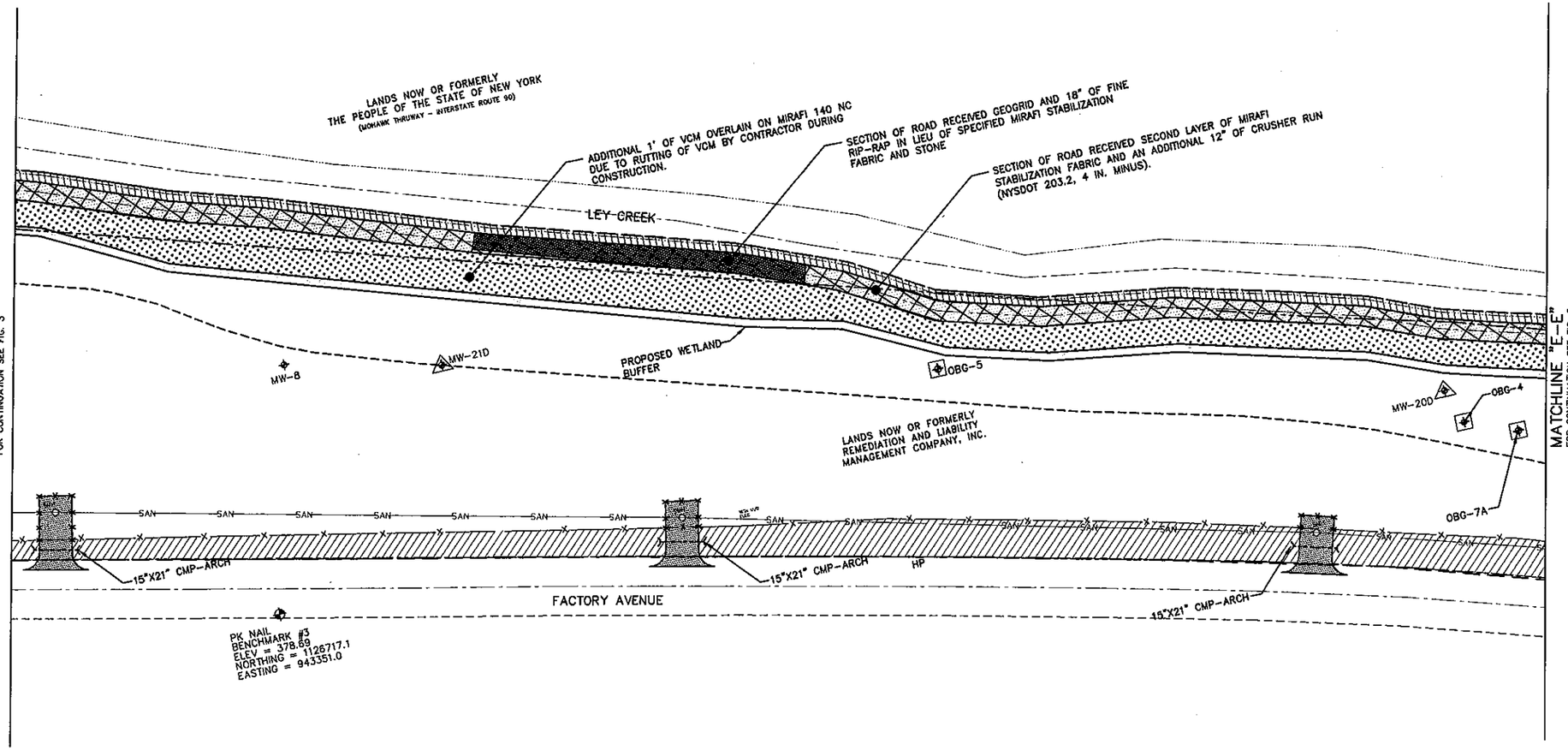

FIGURE 4

LEGEND

- SEEDED WITH CANARY GRASS
- OVERHEAD WIRES
- PROPERTY BOUNDARY
- EDGE OF WOODS
- UTILITY POLE
- GUY WIRE
- SANITARY SEWER
- SANITARY MANHOLE
- CATCH BASIN
- SECURITY FENCE (SEE GENERAL NOTE 4)
- PAVEMENT
- GRAVEL ACCESS ROAD
- LIMITS OF SOIL LOCATED ALONG FACTORY AVENUE RELOCATED BENEATH COVER SYSTEM
- CATCH BASIN
- MW-OBG7C MODIFIED MONITORING WELL
- MONITORING WELL PRESUMED DESTROYED
- ABANDONED MONITORING WELL
- NEW MONITORING WELL
- LIMITS OF EROSION CONTROL MAT
- LIMITS OF COVER SYSTEM
- LIMITS OF NON-WOVEN GEOTEXTILE
- WETLAND GROUND COVER SAMPLE PLOT LOCATION
- PROPOSED WETLAND BUFFER

LEY CREEK PCB DREDGINGS SITE
SYRACUSE, NEW YORK
SITE REMEDIATION PROJECT

OM&M PARTIAL SITE PLAN WETLAND EVALUATION

1"=40' 40 0 40

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JANUARY 2008

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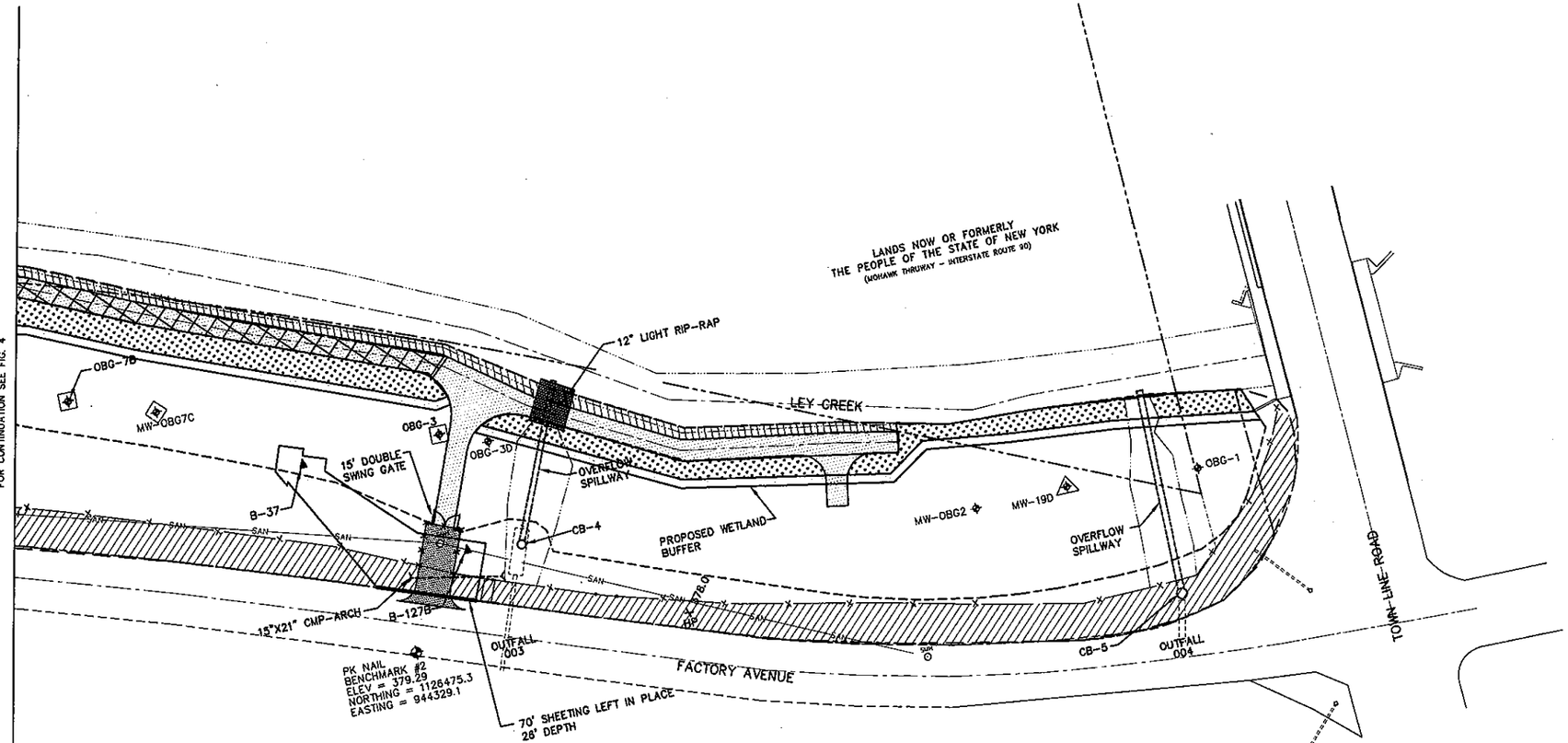

FIGURE 5

LEGEND

- SEEDED WITH CANARY GRASS
- OHW — OVERHEAD WIRES
- PROPERTY BOUNDARY
- EDGE OF WOODS
- UTILITY POLE
- GUY WIRE
- SAN — SANITARY SEWER
- SMH — SANITARY MANHOLE
- CATCH BASIN
- SECURITY FENCE (SEE GENERAL NOTE 4)
- PAVEMENT
- GRAVEL ACCESS ROAD
- LIMITS OF SOIL LOCATED ALONG FACTORY AVENUE RELOCATED BENEATH COVER SYSTEM
- CATCH BASIN
- MW-08G7C — MODIFIED MONITORING WELL
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