Appendix II. Selected Additional Draft Figures for Wastebeds 1-8 from O'Brien and Gere for Honeywell

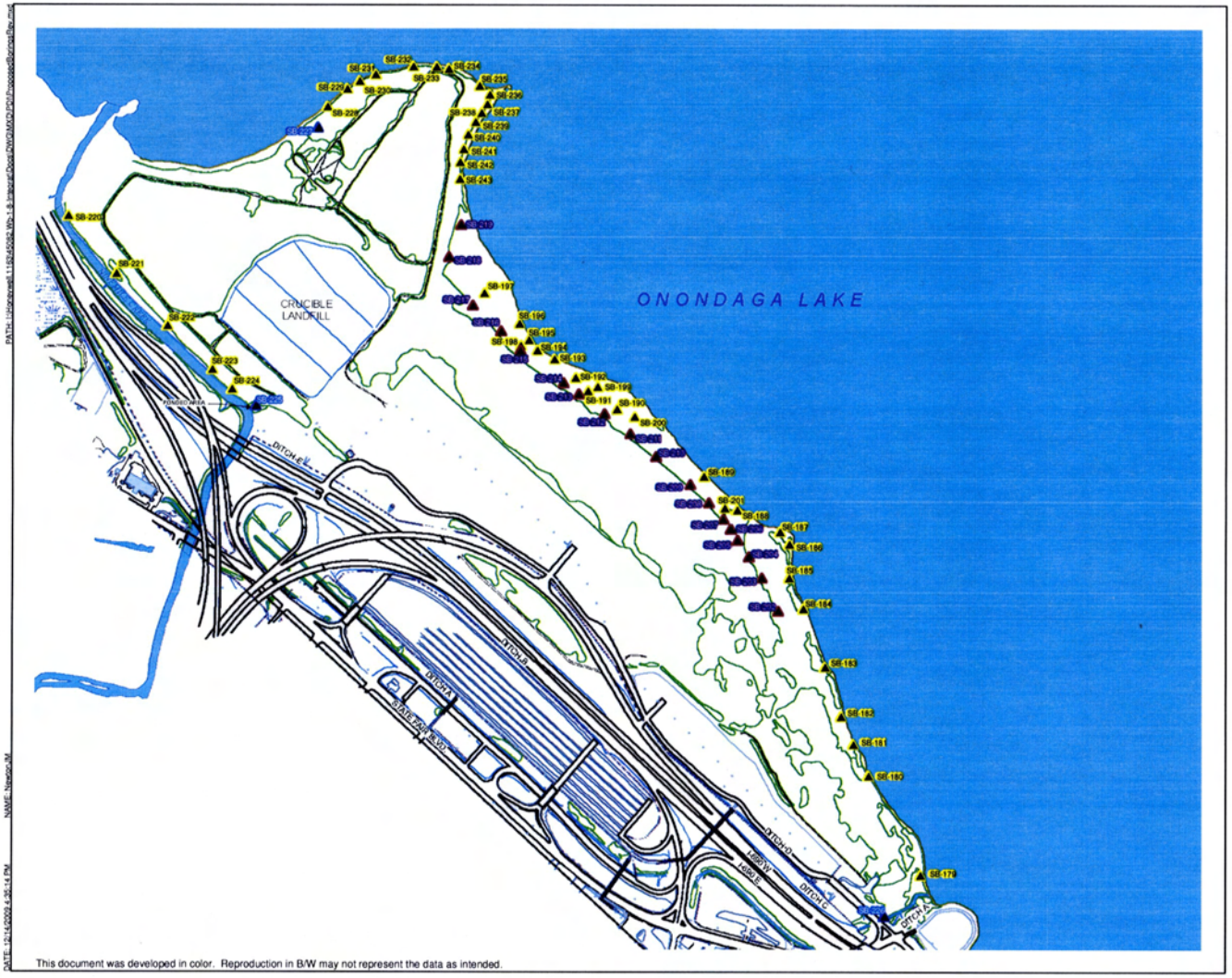


FIGURE 5

N

LEGEND

PROPOSED BORING LOCATIONS

- 15-FT BORING
- MAXIMUM 60-FT IN SILT AND CLAY
- REFUSAL OR BEDROCK

HONEYWELL
WASTEBEDS 1 - 8
PRE-DESIGN INVESTIGATION
GEDDES, NEW YORK

PROPOSED BORING LOCATION PLAN

0 350 700 1,400
Feet

DECEMBER 2009
1163.45082

O'BRIEN & GERE

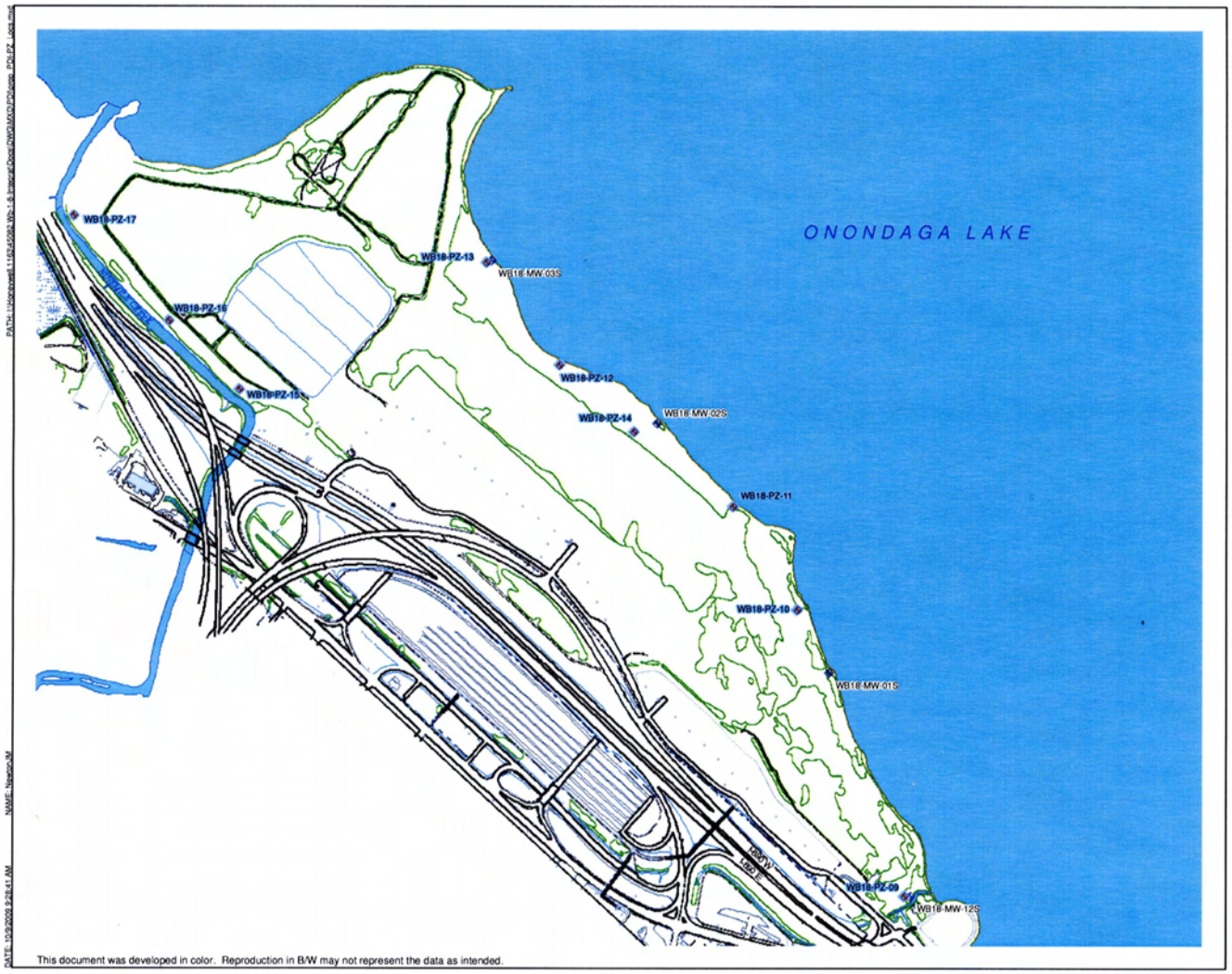


FIGURE 6

N

LEGEND

- PROPOSED PIEZOMETER
- EXISTING MONITORING WELL

HONEYWELL
WASTEBEDS 1 - 8
PRE-DESIGN INVESTIGATION
GEDDES, NEW YORK

PROPOSED PIEZOMETER LOCATION PLAN

0 350 700 1,400
Feet

DECEMBER 2009
1163.45082

O'BRIEN & GERE

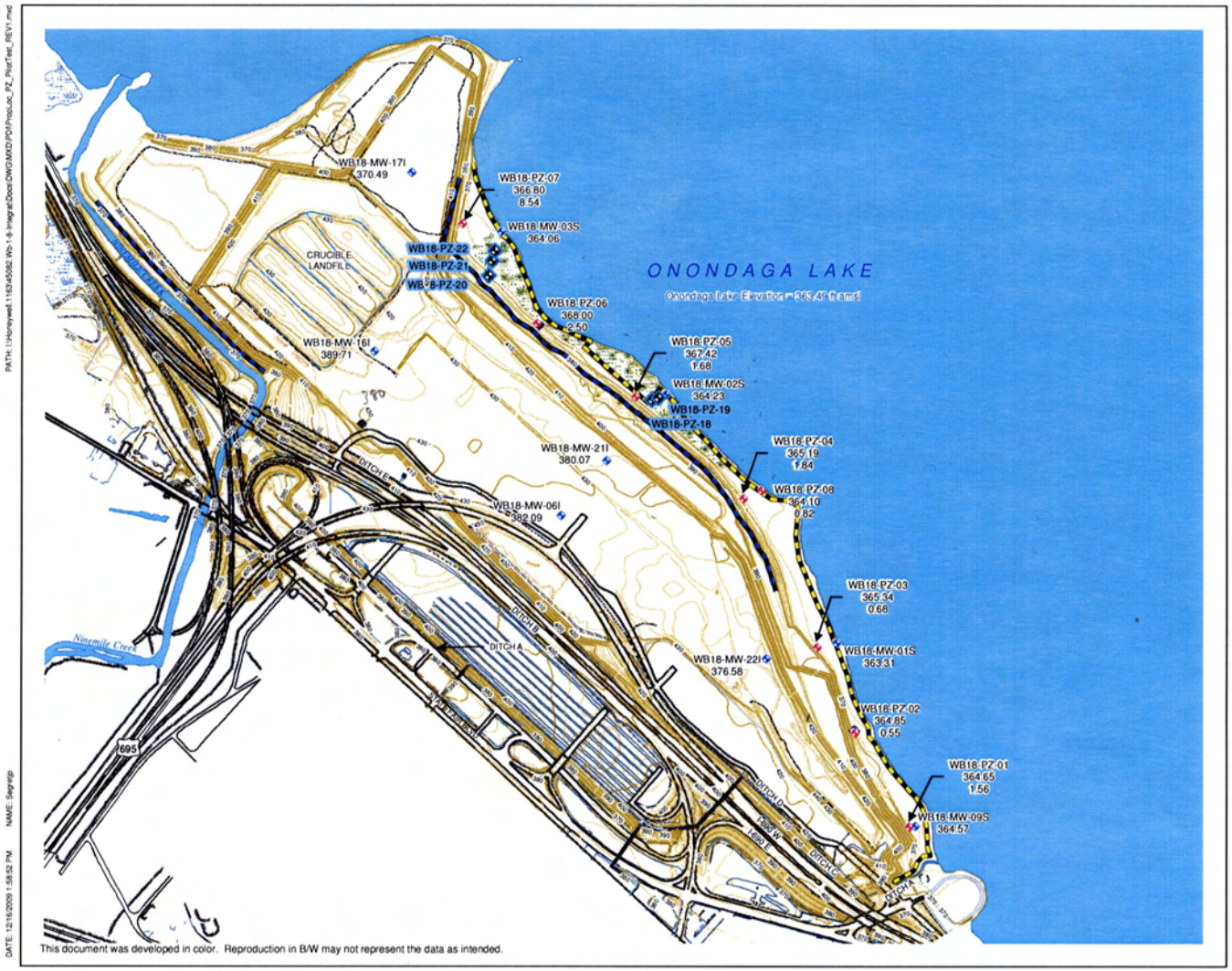


FIGURE 7

N

Legend

PROPOSED PIEZOMETER LOCATIONS
- PIEZOMETER CLUSTER

EXISTING LOCATIONS
- TEST/OBSERVATION WELL
- PIEZOMETER W/MACROCORE
- MONITORING WELL

PROPOSED IRM COMPONENTS
- SEEP COLLECTION TRENCH
- GROUNDWATER COLLECTION TRENCH
- MITIGATION WETLAND (LAKE HABITAT RESTORATION)

WB18-PZ-07 - LOCATION ID
366.80 - GROUNDWATER ELEVATION (ft amsl)
8.54 - HYDRAULIC CONDUCTIVITY (ft/day)

HONEYWELL
WASTEBEDS 1 - 8
PRE-DESIGN INESTIGATION
GEDDES, NEW YORK

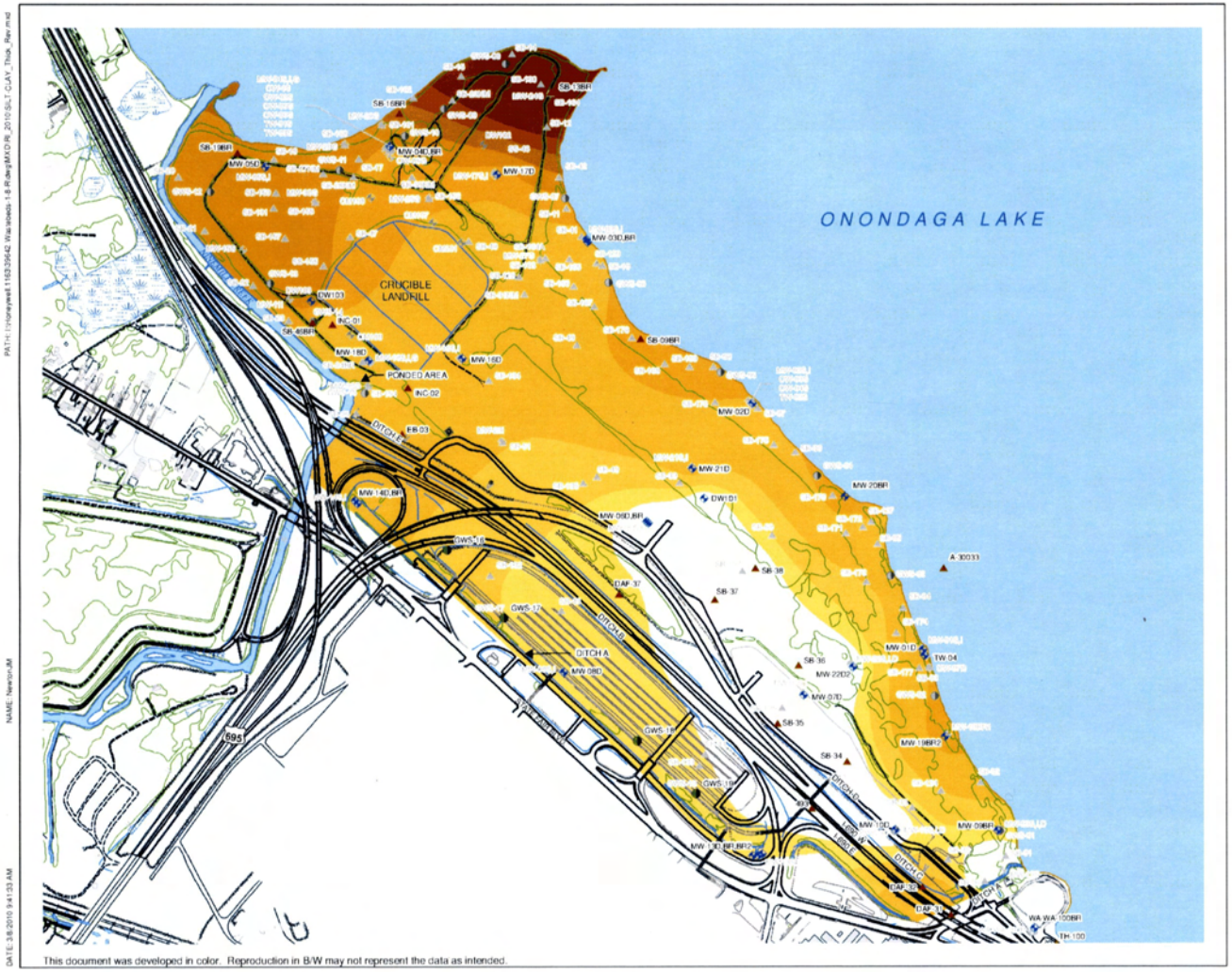
PROPOSED WETLAND AREA PIEZOMETER LOCATION PLAN

0 350 700 1,400
Feet

DECEMBER 2009
1163.45082

O'BRIEN & GERE

PATH: I:\Honeywell\1163\45082\Wb 1-8 Integrit\Docs\DWG\MXD\PDI\Propo.loc_PZ_PilotTest_REV1.mxd
DATE: 12/16/2009 1:58:52 PM NAME: Segrelp



This document was developed in color. Reproduction in B/W may not represent the data as intended.

FIGURE 17

LEGEND

SAMPLE LOCATIONS

USED TO DEVELOP ISOPACH

- GROUNDWATER SCREENING
- MONITORING WELL
- SOIL BORING

NOT USED TO DEVELOP ISOPACH

- MONITORING WELL
- CRUCIBLE WELL
- GROUND WATER SCREENING
- SOIL BORING

SILT/CLAY THICKNESS (ft)

- 0
- <5
- 5 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 80
- 80 - 100

HONEYWELL
WASTEBEDS 1 - 8
REMEDIAL INVESTIGATION
GEDDES, NEW YORK

APPROXIMATE SILT AND CLAY LAYER ISOPACH

0 350 700 1,400
Feet

MARCH 2010
1163.39642

O'BRIEN & GERE

PATH: I:\Honeywell 1163.39642 Wastebeds 1-8\Ray\MXD\RI_2010\SILT_CLAY_Thick_Rev.mxd

NAME: Newton JM

DATE: 3/8/2010 9:41:33 AM

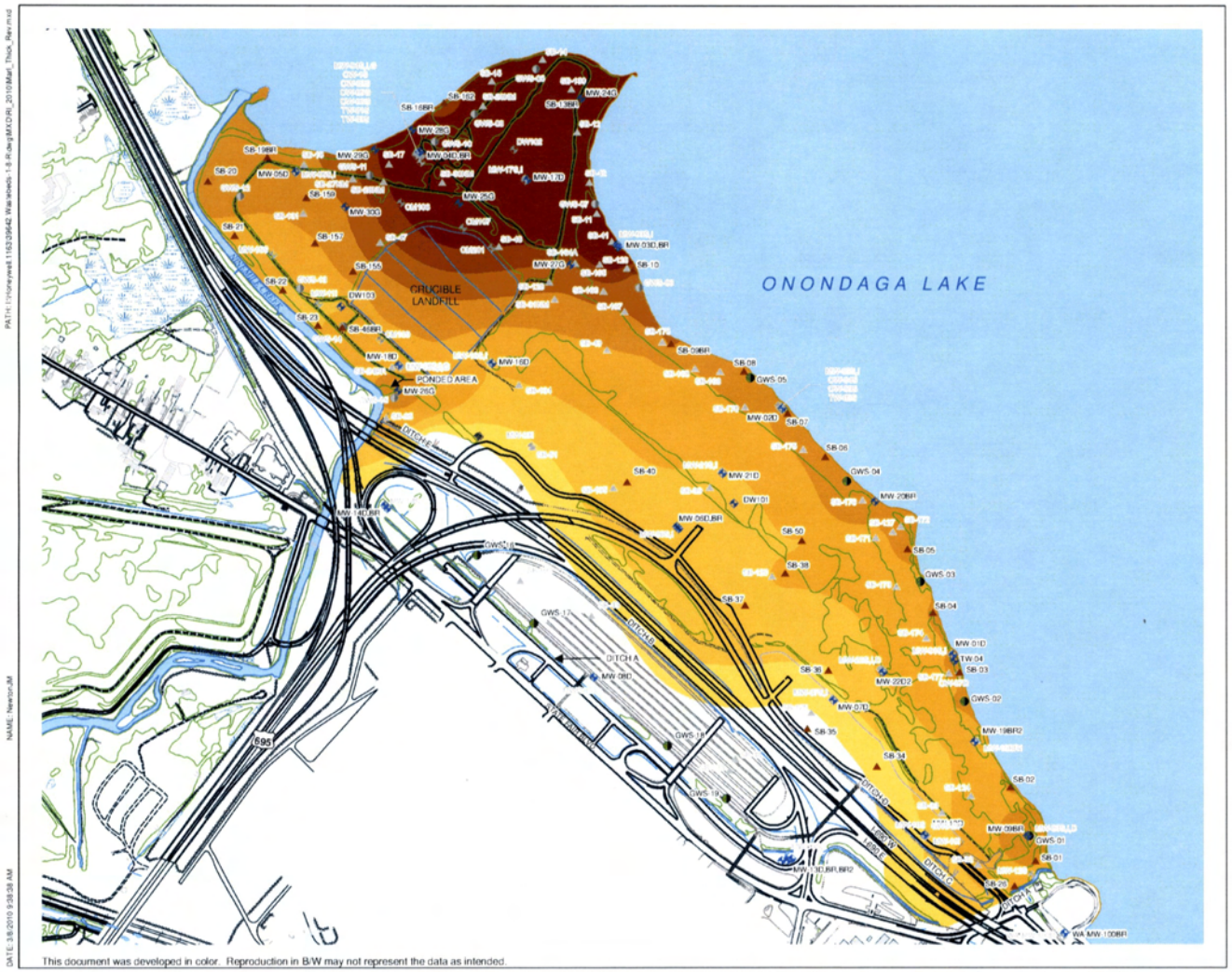


FIGURE 18

LEGEND

SAMPLE LOCATIONS

USED TO DEVELOP ISOPACH

- GROUNDWATER SCREENING
- MONITORING WELL
- SOIL BORING

NOT USED TO DEVELOP ISOPACH

- MONITORING WELL
- CRUCIBLE WELL
- GROUND WATER SCREENING
- SOIL BORING

MARL LAYER THICKNESS (ft)

- 0
- < 5
- 5 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60

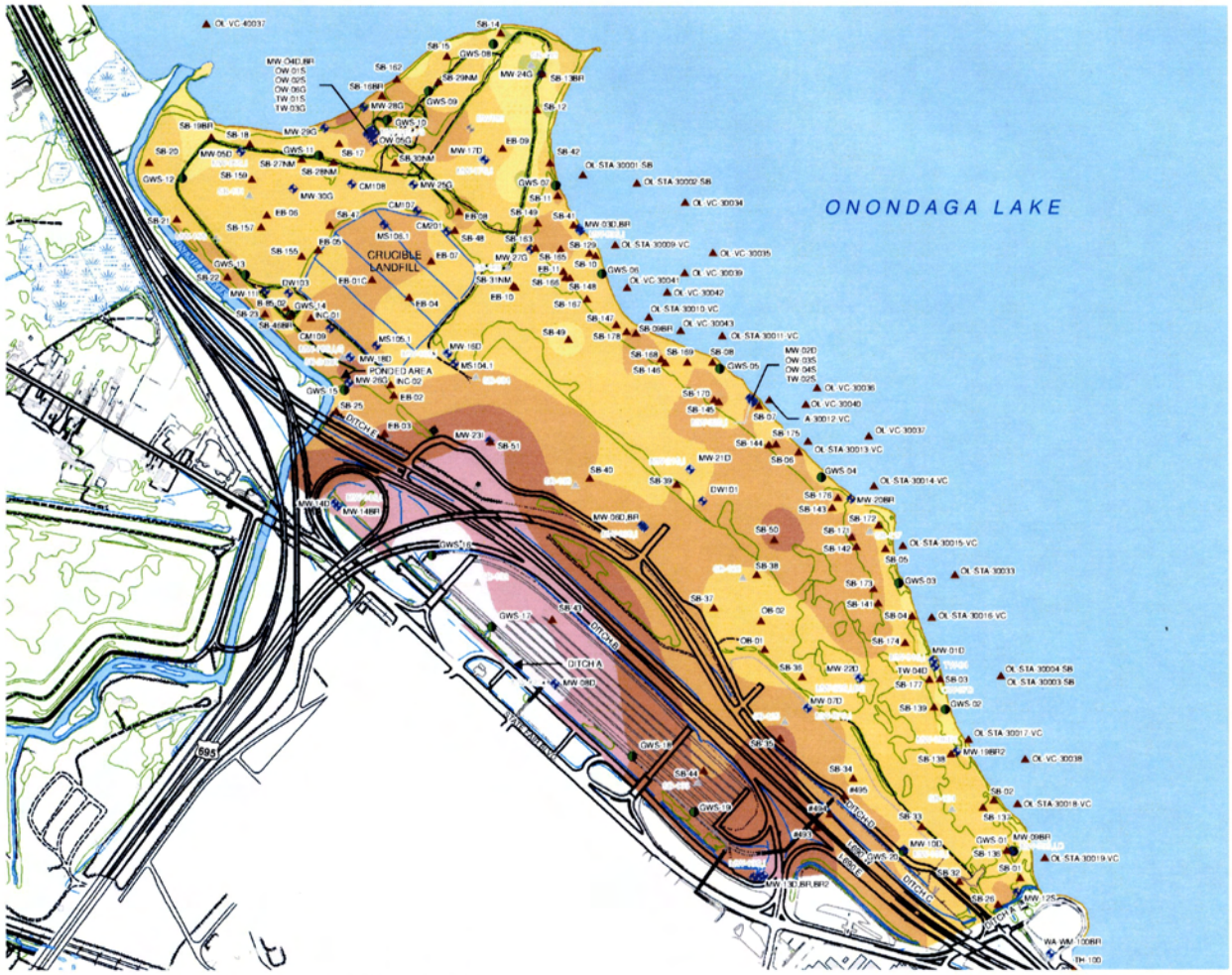
HONEYWELL
WASTEBEDS 1 - 8
REMEDIAL INVESTIGATION
GEDDES, NEW YORK

APPROXIMATE MARL LAYER ISOPACH

0 350 700 1,400
Feet

MARCH 2010
1163.39642

O'BRIEN & GERE



This document was developed in color. Reproduction in B/W may not represent the data as intended.

FIGURE 20

LEGEND

SAMPLE LOCATIONS

USED TO DEVELOP SURFACE

- GROUNDWATER SCREENING
- MONITORING WELL
- SOIL BORING

NOT USED TO DEVELOP SURFACE

- MONITORING WELL
- CRUCIBLE WELL
- GROUND WATER SCREENING
- SOIL BORING

BOTTOM OF FILL

ELEVATION (ft AMSL)

- <345
- 345 - 350
- 350 - 355
- 355 - 360
- 360 - 365
- 365 - 370
- 370 - 375
- 375 - 380

HONEYWELL
WASTEBEDS 1 - 8
REMEDIAL INVESTIGATION
GEDDES, NEW YORK

APPROXIMATE BOTTOM (ELEVATION) OF FILL

0 350 700 1,400
Feet

MARCH 2010
1153.39642

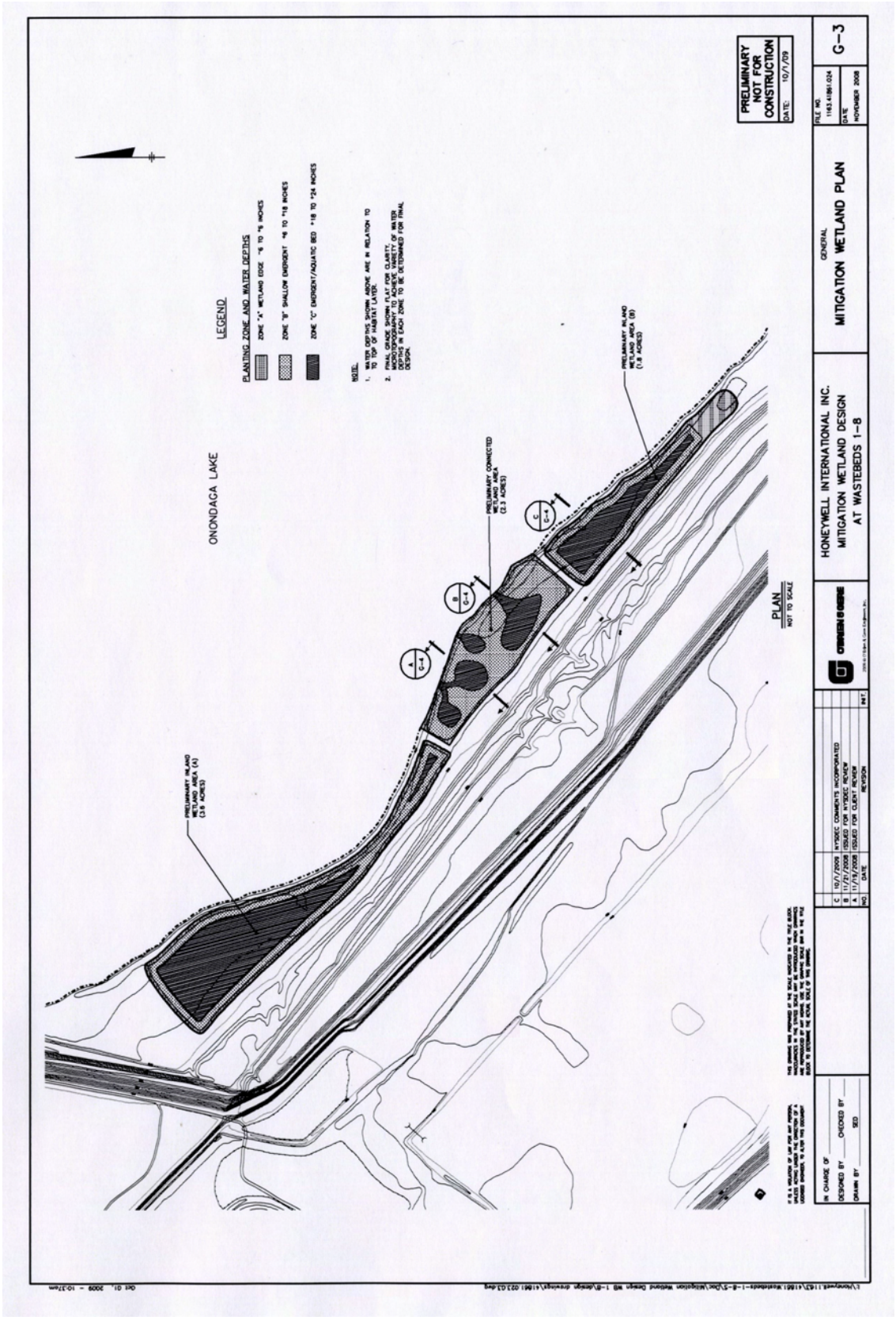
O'BRIEN & GERE

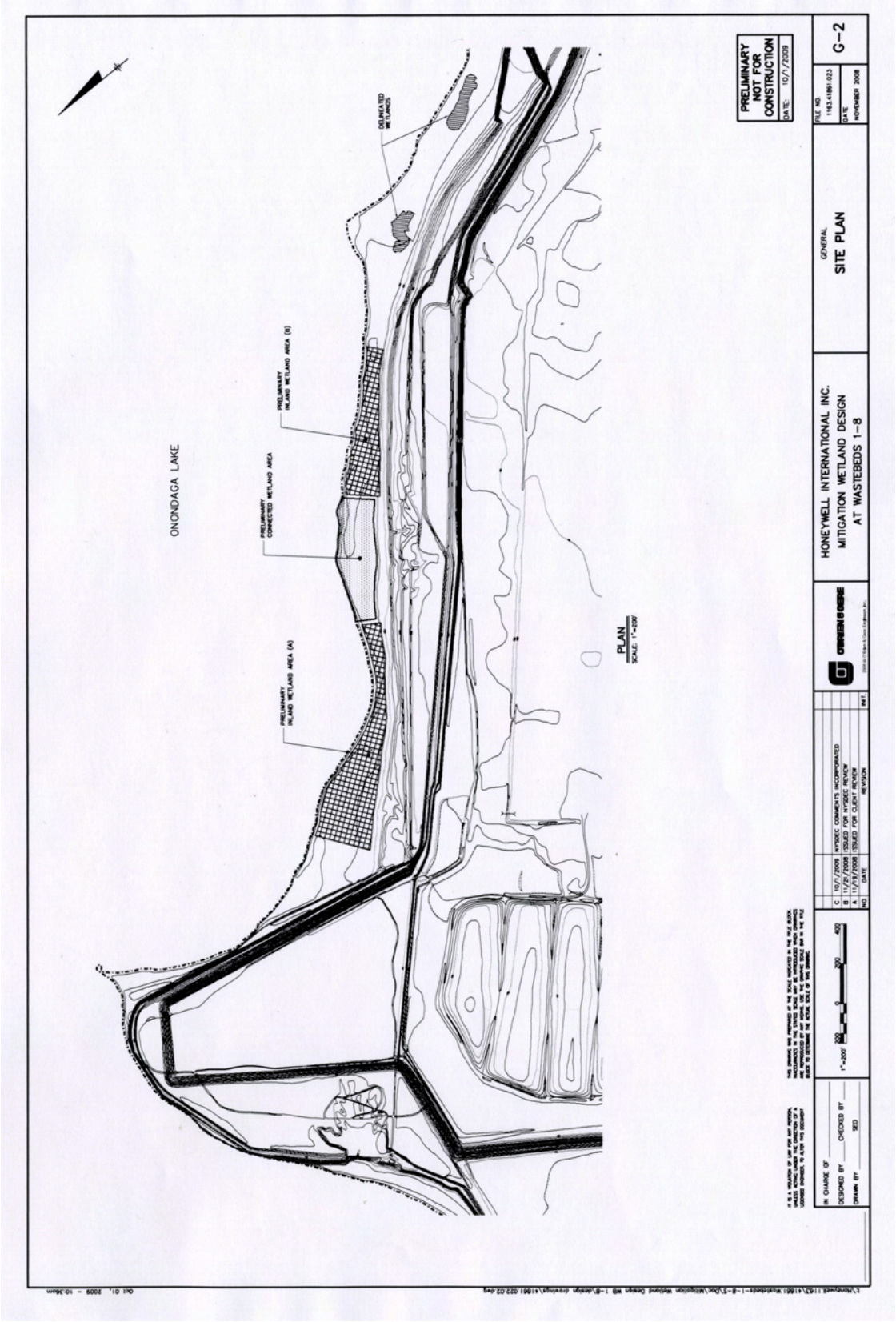
PATH: I:\Honeywell 1153.39642 Wastebeds 1-8 Re-eval\MXD\RI_2010\Bottom_Of_Fill_Rev.mxd

NAME: Newton,AM

DATE: 3/8/2010 9:53:32 AM

FIGURE 1
LEGEND
SITE BOUNDARY
CONNECTED WETLAND
VEGETATION
INLAND WETLAND
PRELIMINARY WATERSHED BOUNDARIES
TOPOGRAPHIC CONTOURS
10 ft INTERVAL
PRELIMINARY FLOW PATHS
HONEYWELL INTERNATIONAL INC.
MITIGATION WETLAND DESIGN
AT WASTEBEDS 1-8
PRELIMINARY
INLAND WETLAND
WATERSHED AREAS
O'BRIEN & GERE
ONONDAGA LAKE
PROPOSED INLAND WETLAND AREA 'A'
PROPOSED INLAND WETLAND AREA 'B'
ORVILLE LANDFILL
NINEMILE CREEK


PRELIMINARY NOT FOR CONSTRUCTION
DATE: 10/1/09
LEGEND
PLANTING ZONE AND WATER DEPTHS
ZONE "A" WETLAND EDGE "6 TO "6 INCHES
ZONE "B" SHALLOW EMERGENT "6 TO "18 INCHES
ZONE "C" EMERGENT/AQUATIC BED "18 TO "24 INCHES
NOTE:
1. WATER DEPTHS SHOWN ABOVE ARE IN RELATION TO TO TOP OF HABITAT LAYER.
2. FINAL GRADE SHOWN FLAT FOR CLARITY. MICROTOPOGRAPHY TO ACHIEVE VARIETY OF WATER DEPTHS IN EACH ZONE TO BE DETERMINED FOR FINAL DESIGN.
ONONDAGA LAKE
PRELIMINARY INLAND WETLAND AREA (A) (3.9 ACRES)
PRELIMINARY CONNECTED WETLAND AREA (2.3 ACRES)
PRELIMINARY INLAND WETLAND AREA (B) (1.8 ACRES)
A C-4
B C-4
C C-4
PLAN
NOT TO SCALE
HONEYWELL INTERNATIONAL INC.
MITIGATION WETLAND DESIGN
AT WASTEBEDS 1-8
GENERAL
MITIGATION WETLAND PLAN
FILE NO. 1143.41961.024
DATE NOVEMBER 2008
G-3
C 10/1/2009 NYSDEC COMMENTS INCORPORATED
B 11/21/2008 ISSUED FOR NYSDEC REVIEW
A 11/14/2008 ISSUED FOR CLIENT REVIEW
NO. DATE REVISION
INIT.
IN CHARGE OF
DESIGNED BY CHECKED BY
DRAWN BY SED


ONONDAGA LAKE
PRELIMINARY INLAND WETLAND AREA (A)
PRELIMINARY CONNECTED WETLAND AREA
PRELIMINARY INLAND WETLAND AREA (B)
DELINEATED WETLANDS
PLAN
SCALE: 1"=200'
PRELIMINARY NOT FOR CONSTRUCTION
DATE: 10/1/2009
GENERAL
SITE PLAN
HONEYWELL INTERNATIONAL INC.
MITIGATION WETLAND DESIGN
AT WASTEBEDS 1-8
FILE NO
1163.41061.023
DATE
NOVEMBER 2008
G-2
IN CHARGE OF
DESIGNED BY
CHECKED BY
DRAWN BY
SZD
1"=200'
C 10/1/2009 NYSDEC COMMENTS INCORPORATED
B 11/21/2008 ISSUED FOR NYSDEC REVIEW
A 11/19/2008 ISSUED FOR CLIENT REVIEW
NO DATE REVISION
INIT