Appendix VI. Slurry Pipeline Alignment Sheets and Proposed Bore Location as CSX Railroad

APPENDIX D

INTERMEDIATE DESIGN DRAWINGS

NOTICE:
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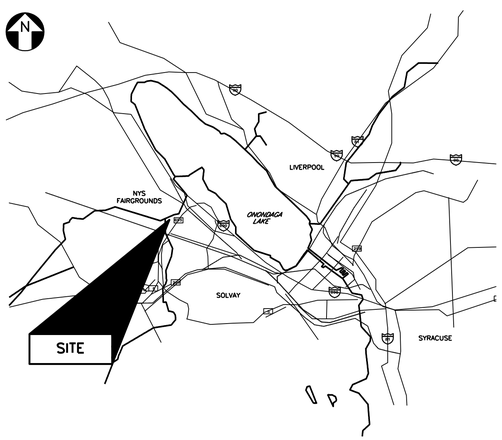
SEDIMENT MANAGEMENT INTERMEDIATE DESIGN SYRACUSE, NEW YORK

Prepared For:

HONEYWELL

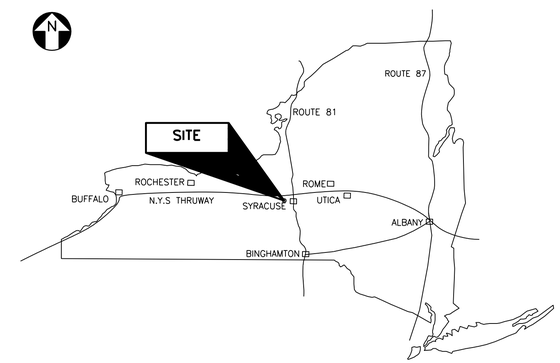


SITE LOCATION MAP

NOT TO SCALE

DRAWING INDEX

NUMBER	REV	TITLE
444853-200-G-001	B	TITLE SHEET AND DRAWING INDEX
444853-200-C-001	B	SITE PLAN OVERVIEW
444853-200-C-002	B	WASTEBEDS 12-15 PLAN
444853-200-C-003	B	PROCESS AREA PLAN
444853-200-C-004	B	SLURRY PIPELINE AND PUMP STATION LOCATION PLAN
444853-200-C-005	B	STORM WATER BASIN 1 PLAN
444853-200-C-006	B	STORM WATER BASIN 2 PLAN
444853-200-C-007	B	STORM WATER BASINS SECTIONS AND DETAILS
444853-200-C-101	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 1 INDEX
444853-200-C-102	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 2
444853-200-C-103	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 3
444853-200-C-104	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 4
444853-200-C-105	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 5
444853-200-C-106	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 6
444853-200-C-107	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 7
444853-200-C-108	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 8
444853-200-C-109	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 9
444853-200-C-110	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 10
444853-200-C-111	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 11
444853-200-C-112	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 12
444853-200-C-113	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 13
444853-200-C-114	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 14
444853-200-C-115	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 15
444853-200-C-116	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 16
444853-200-C-117	B	SLURRY PIPELINE ALIGNMENT PLANS SHEET 17
444853-200-D-001	B	MASS BALANCE PROCESS FLOW DIAGRAM PHASE 1
444853-200-D-002	B	MASS BALANCE PROCESS FLOW DIAGRAM PHASE 1 TABLES
444853-200-D-003	B	MASS BALANCE PROCESS FLOW DIAGRAM PHASE 2
444853-200-D-004	B	MASS BALANCE PROCESS FLOW DIAGRAM PHASE 2 TABLES
444853-200-D-101	B	P&ID LEGEND AND ABBREVIATION SHEET
444853-200-D-102	B	SLURRY TRANSPORT SYSTEM P&ID SLURRY PIPELINE
444853-200-D-103	B	SLURRY TRANSPORT SYSTEM P&ID SLURRY PIPELINE
444853-200-D-104	B	SLURRY TRANSPORT SYSTEM P&ID SLURRY PIPELINE
444853-200-D-105	B	SLURRY TRANSPORT SYSTEM P&ID SLURRY PRECONDITIONING
444853-200-D-106	B	SLURRY TRANSPORT SYSTEM P&ID SLURRY PRECONDITIONING PHASE 2
444853-200-D-107	B	SLURRY TRANSPORT SYSTEM P&ID SAND SEPARATION SYSTEM # 1 PHASE 2
444853-200-D-108	B	SLURRY TRANSPORT SYSTEM P&ID SAND SEPARATION SYSTEM # 2 PHASE 2
444853-200-D-109	B	SLURRY TRANSPORT SYSTEM P&ID SLURRY PRECONDITIONING PHASE 2
444853-200-D-110	B	SLURRY TRANSPORT SYSTEM P&ID POLYMER FEED SYSTEM
444853-200-D-111	B	SLURRY TRANSPORT SYSTEM P&ID SCA AND BASIN 1 - NORTHWEST
444853-200-D-112	B	SLURRY TRANSPORT SYSTEM P&ID SCA AND BASIN 2 - NORTHEAST
444853-200-D-113	B	SLURRY TRANSPORT SYSTEM P&ID DRY POLYMER MIXING AND MAKE-UP WATER
444853-200-M-001	B	PROCESS AREA PLAN
444853-200-E-001	B	POWER DISTRIBUTION ONE-LINE DIAGRAM
444853-200-E-002	B	BOOSTER PUMP STATIONS ONE-LINE DIAGRAMS



THE STATE OF NEW YORK

NOT TO SCALE

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	TCD	DDS
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY: JTS — DATE: 12/21/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
TITLE SHEET AND DRAWING INDEX

SCALE: NO SCALE

DRAWING NO. 444853-200-G-001 — REV. B

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PLOT DATE: 2/18/2010 11:02 AM PLOTTED BY: SMALIA, JACK

NOTICE:
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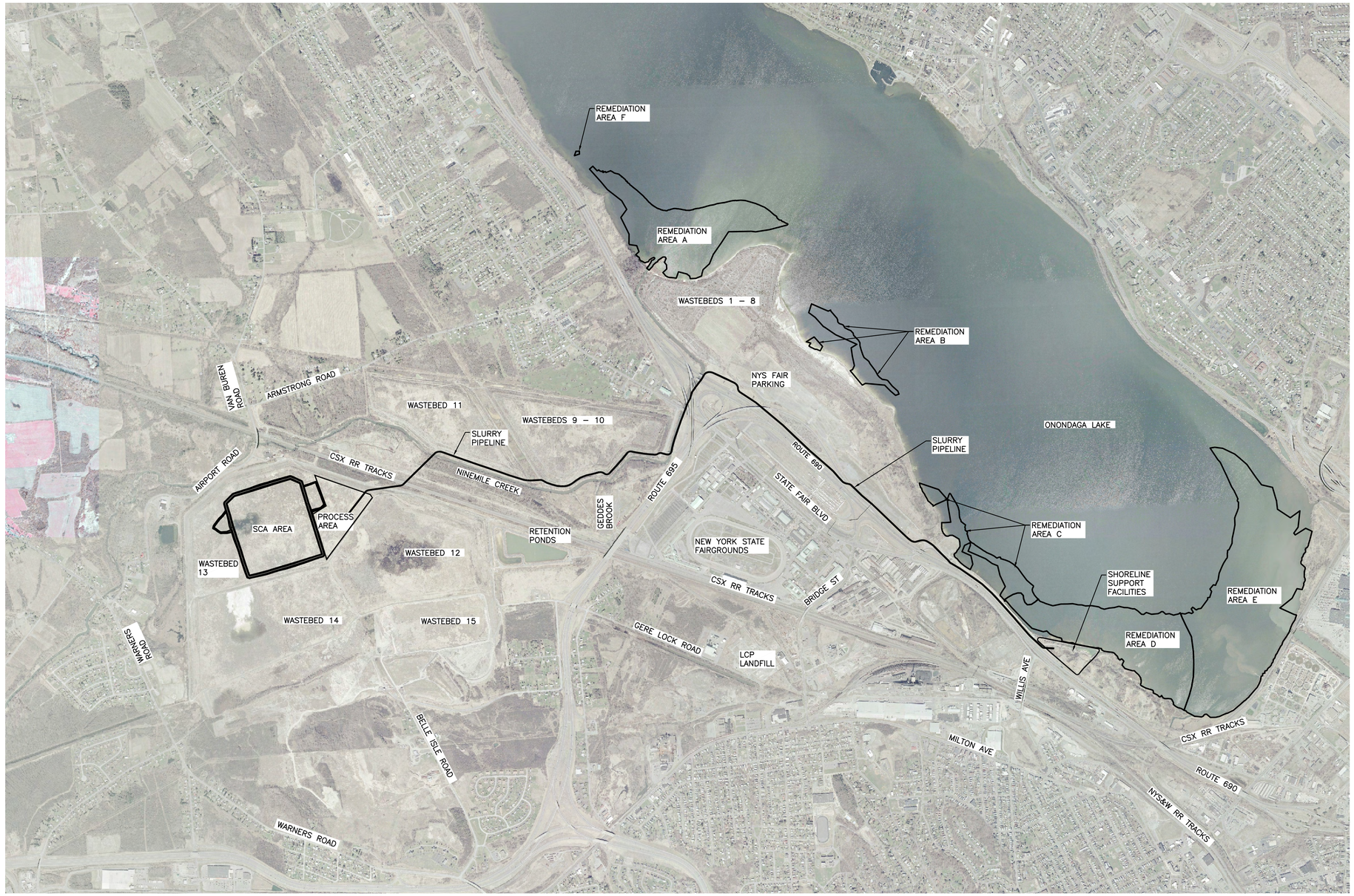

NOT FOR CONSTRUCTION

1200 600 0 1200 2400
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NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APP'D
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A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY JTS	DATE 12/21/09	SEAL
CHECKED BY	DATE –	
APPROVED BY	DATE –	
PROJECT MGR.	DATE –	

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301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SITE PLAN OVERVIEW

SCALE
SCALE 1"=1200'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-001
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 – LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-001.DWG
PLOT DATE: 2/18/2010 1:27 PM PLOTTED BY: SIVALIA, JACK

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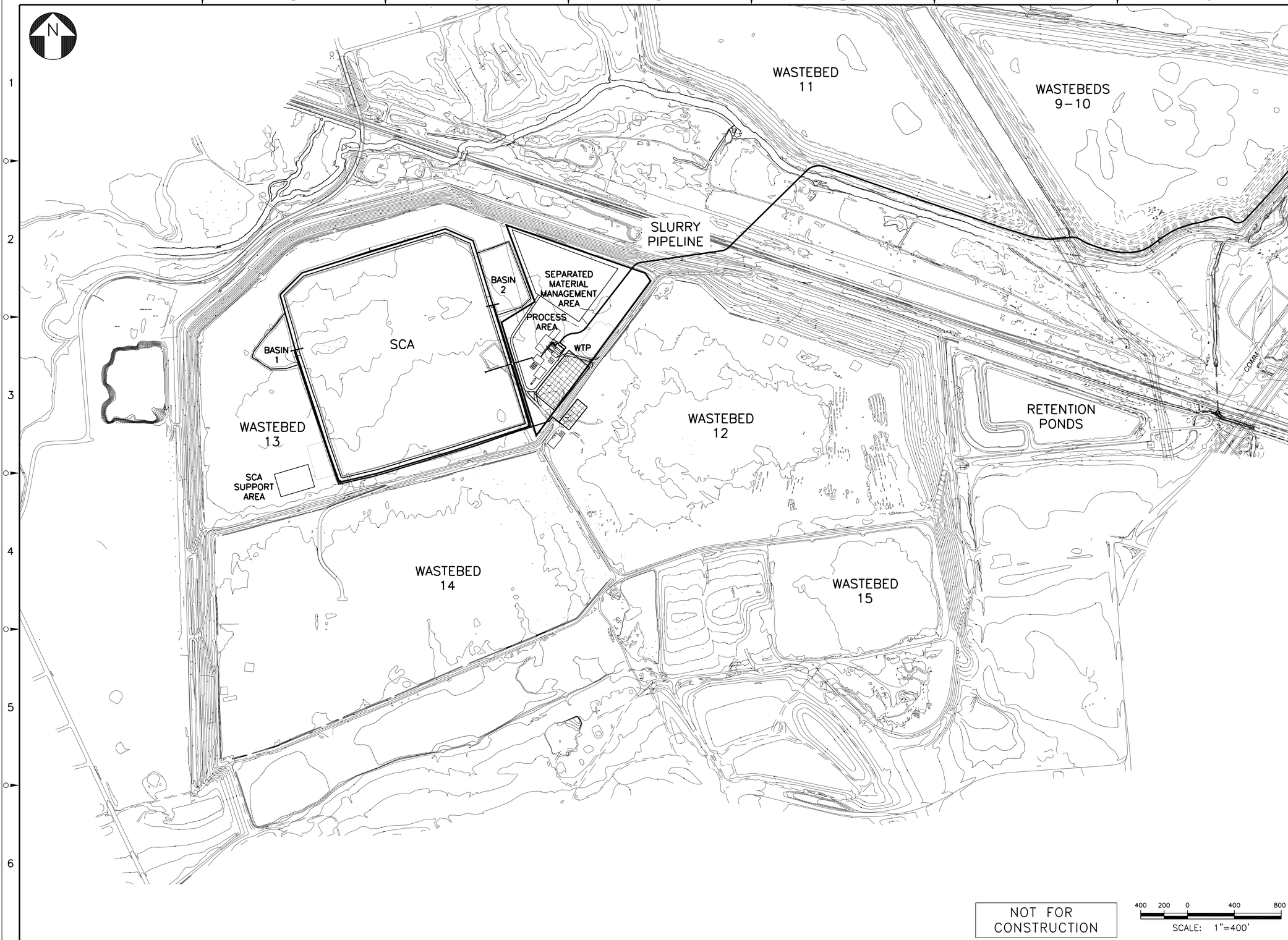

NOT FOR CONSTRUCTION

400 200 0 400 800
SCALE: 1"=400'

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
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A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY JTS	DATE 12/16/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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SYRACUSE, NY 13212
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JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
WASTEBEDS 12–15 PLAN

SCALE SCALE 1"=400'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-002
REV. B

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PLOT DATE: 2/18/2010 1:32 PM PLOTTED BY: SVALIA, JACK

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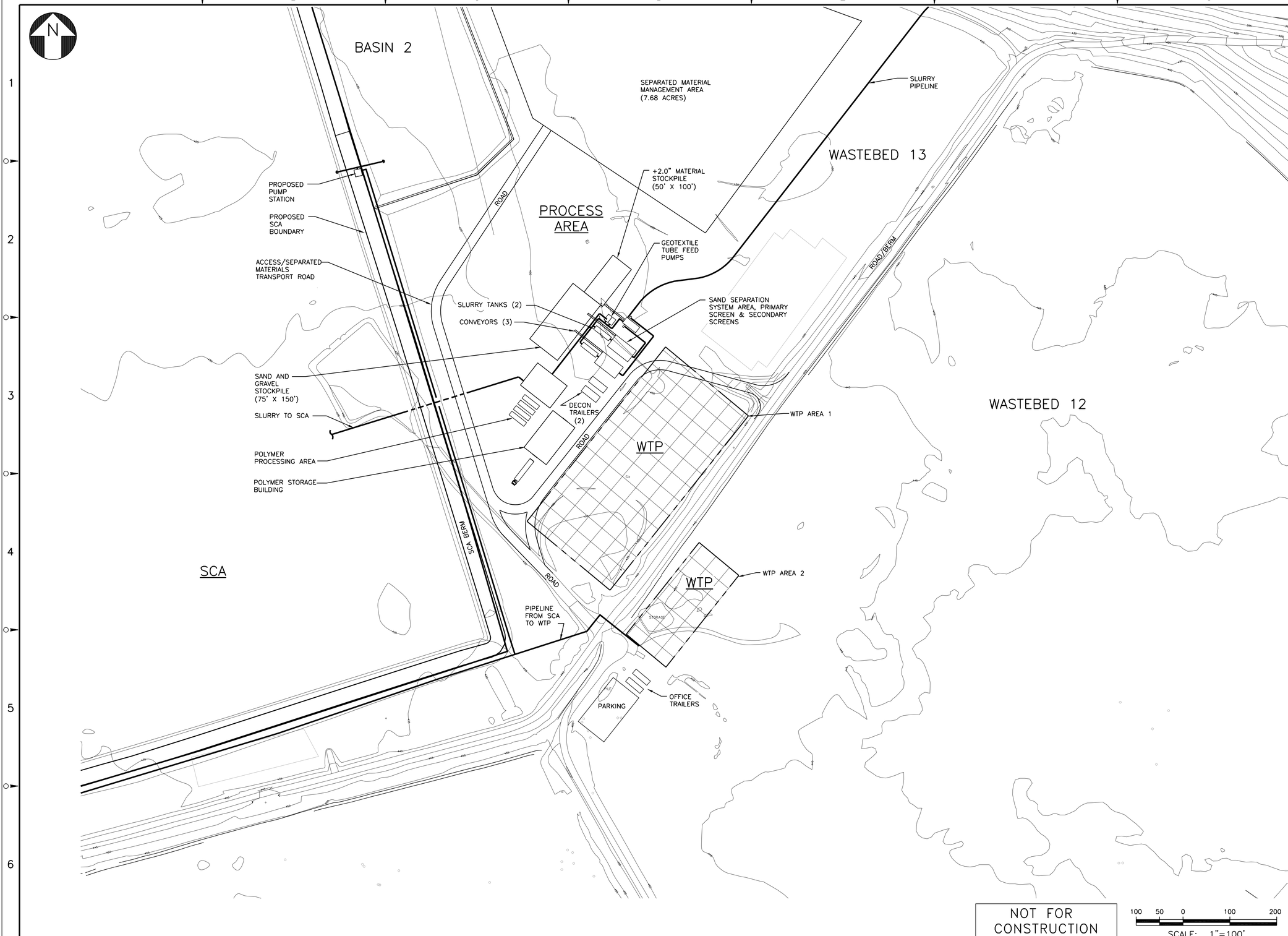

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
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A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY: JTS	DATE: 12/16/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
PROCESS AREA PLAN

SCALE: SCALE 1"=100' (IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-003
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-003.DWG
PLOT DATE: 2/18/2010 1:37 PM PLOTTED BY: SVALIA, JACK

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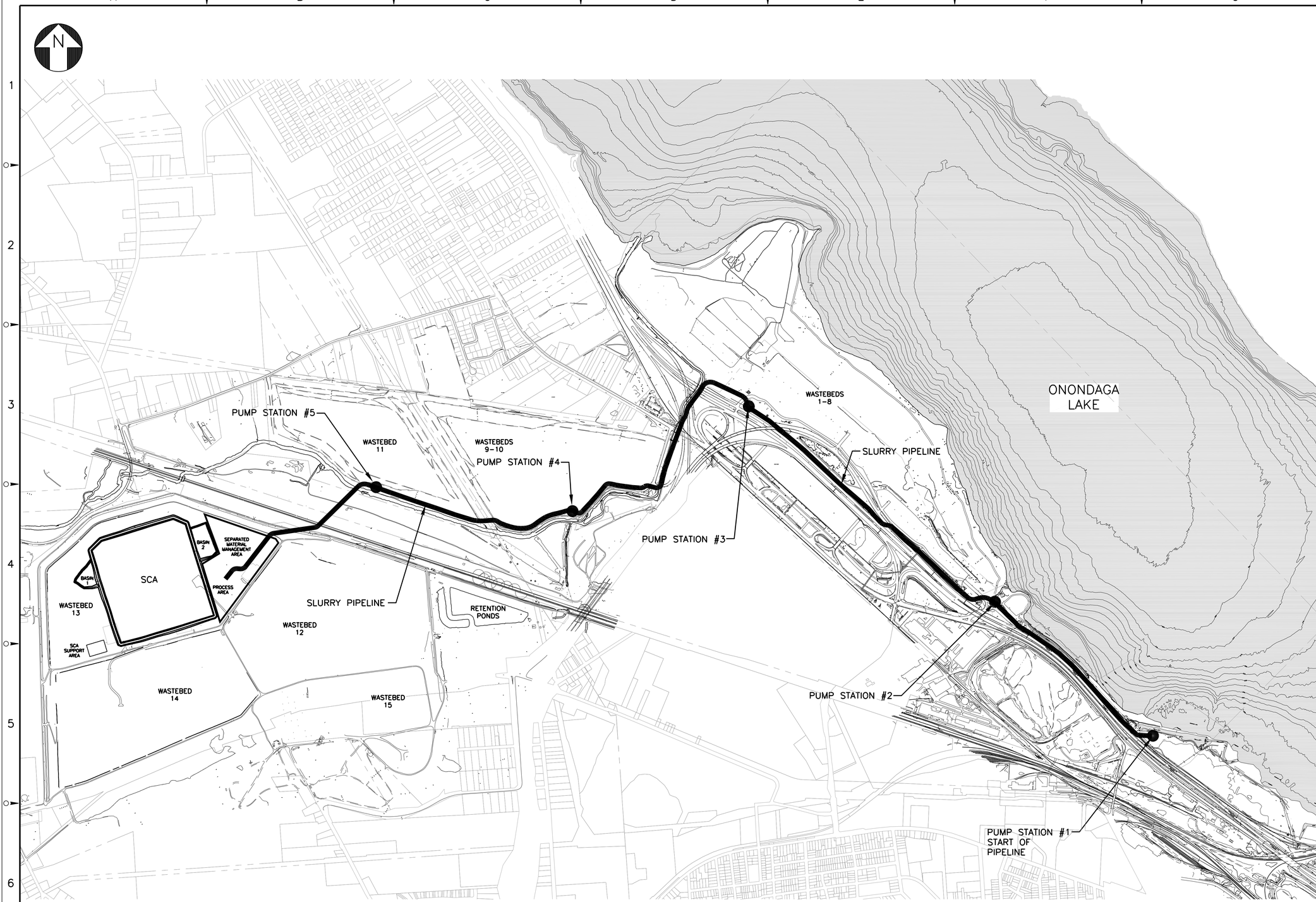

LEGEND:

● PRELIMINARY PUMP STATION LOCATIONS

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
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A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY JTS	DATE 9/29/09
CHECKED BY	DATE
APPROVED BY	DATE
PROJECT MGR.	DATE

SEAL

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COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE AND PUMP STATION LOCATION PLAN

SCALE
SCALE 1"=800'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-004
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-004.DWG
PLOT DATE: 2/18/2010 1:43 PM PLOTTED BY: SIVALIA, JACK

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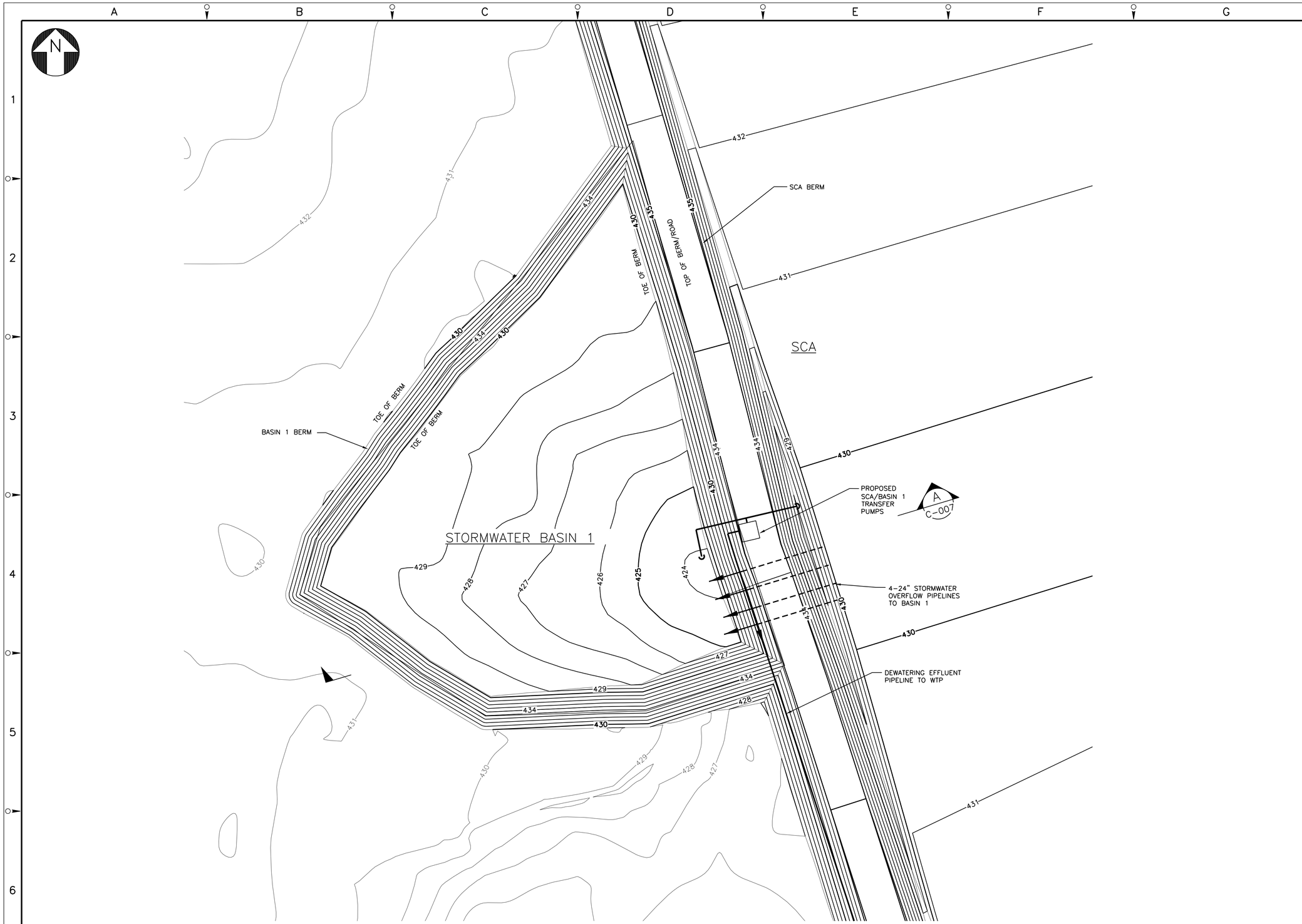

NOTES:

1. SEE SCA DESIGN DRAWINGS DEVELOPED BY GEOSYNTEC FOR SCA DESIGN PLANS AND DETAILS.
2. CONTOURS IN SCA ARE TOP OF DRAINAGE GRAVEL.

LEGEND:

- 431 — EXISTING ELEVATION CONTOUR
- 431 — NEW MINOR ELEVATION CONTOUR
- 430 — NEW MAJOR ELEVATION CONTOUR

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	TCD	DDS
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY: JTS	DATE: 1/11/10	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
STORMWATER BASIN 1
PLAN

SCALE 1"=40'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-005
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVL\444853-200-C-005 TO 007.DWG
PLOT DATE: 2/18/2010 12:16 PM PLOTTED BY: SNALIA, JACK

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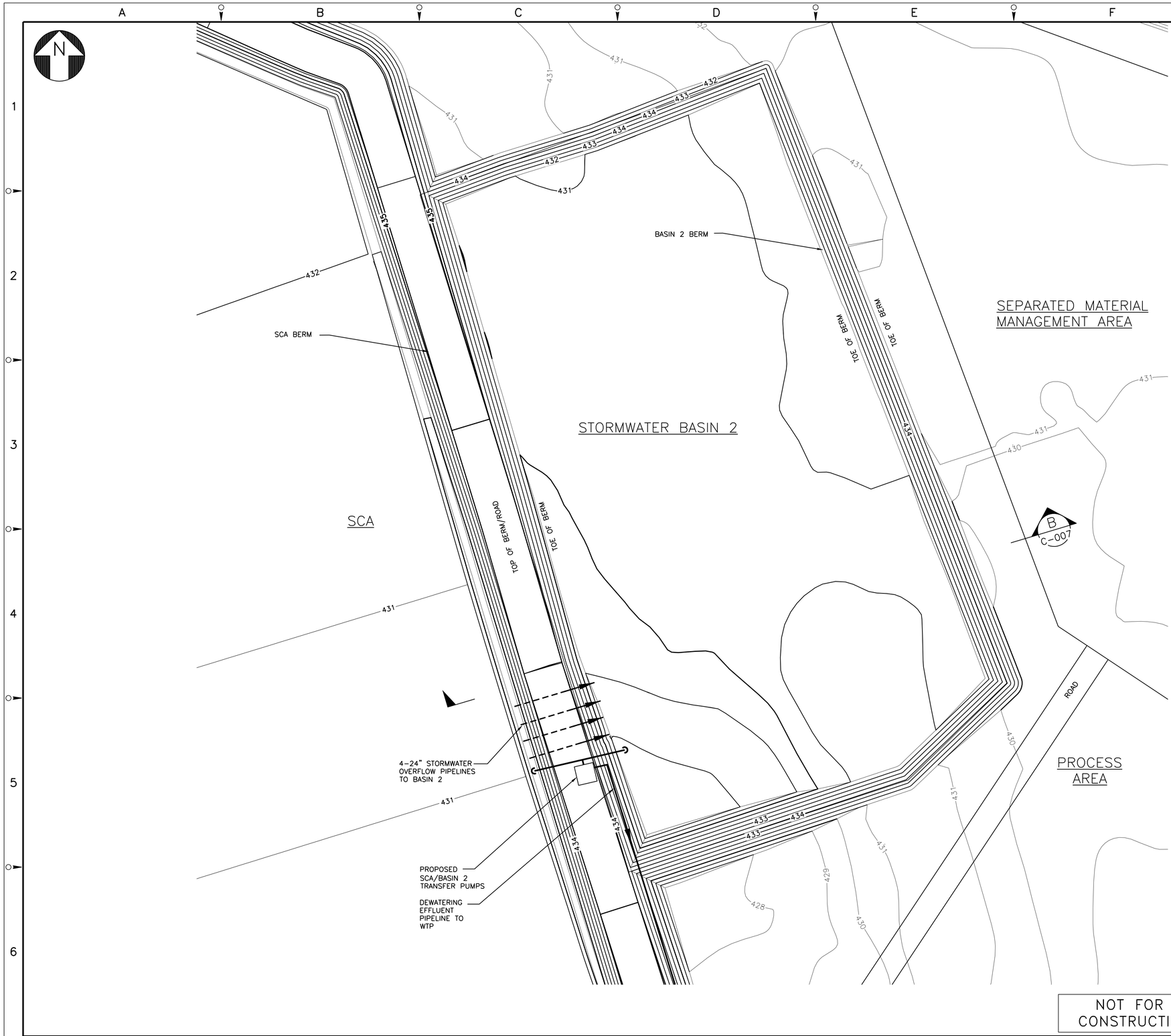

NOTES:

1. SEE SCA DESIGN DRAWINGS DEVELOPED BY GEOSYNTEC FOR SCA DESIGN PLANS AND DETAILS.
2. CONTOURS IN SCA ARE TOP OF DRAINAGE GRAVEL.

LEGEND:

- 431 — EXISTING ELEVATION CONTOUR
- 431 — NEW MINOR ELEVATION CONTOUR
- 430 — NEW MAJOR ELEVATION CONTOUR

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	TCD	DDS
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY JTS	DATE 1/11/10	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
STORMWATER BASIN 2
PLAN

SCALE
SCALE 1"=40'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-006
REV. B

NOT FOR CONSTRUCTION

40 20 0 40 80
SCALE: 1"=40'

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PLOT DATE: 2/18/2010 12:13 PM PLOTTED BY: SIVALIA, JACK

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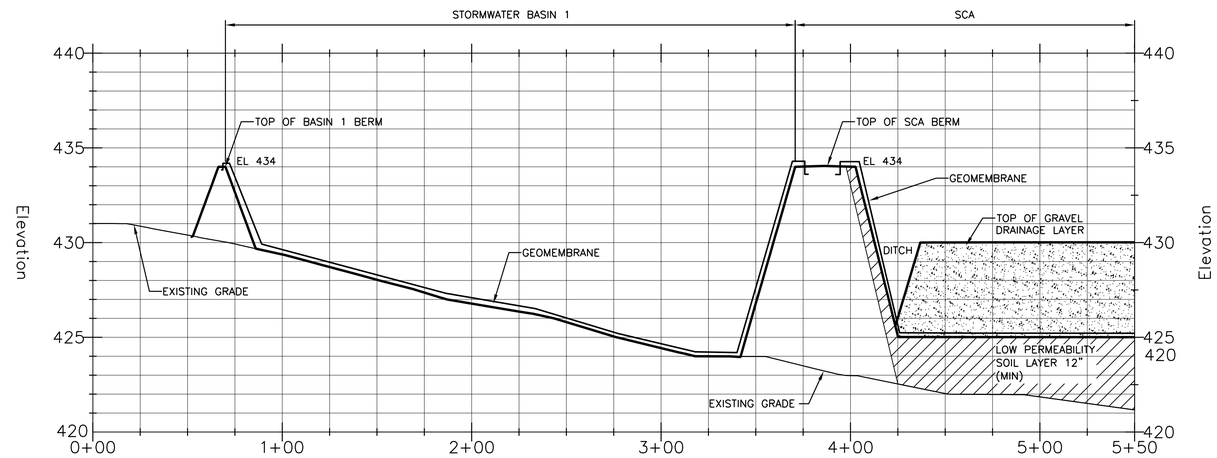
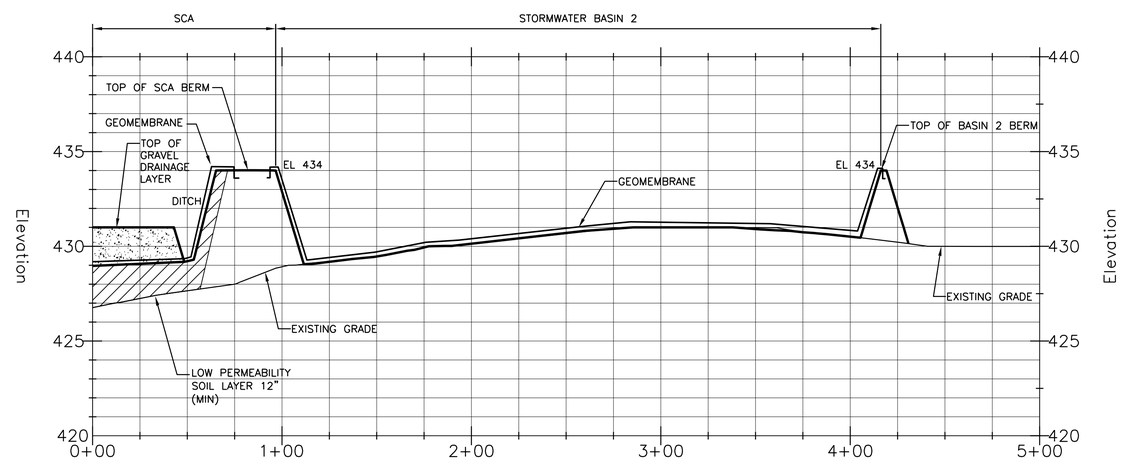


STORMWATER BASIN 1
SECTION A / C-005
SCALE: 1"=40' HORIZ.
1"=4' VERT.



STORMWATER BASIN 2
SECTION B / C-006
SCALE: 1"=40' HORIZ.
1"=4' VERT.

NOTES:

1. SEE SCA DESIGN DRAWINGS DEVELOPED BY GEOSYNTEC FOR SCA DESIGN PLANS AND DETAILS.

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	TCD	DDS
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY: JTS — DATE: 1/11/10
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
STORMWATER BASINS
SECTIONS AND DETAILS

SCALE: SCALE 1"=40' (IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-007 — REV. B

NOT FOR CONSTRUCTION

40 20 0 40 80
SCALE: 1"=40'

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-005 TO 007.DWG
PLOT DATE: 2/18/2010 1:17 PM PLOTTED BY: SVALIA, JACK

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NOT FOR CONSTRUCTION

GENERAL NOTES:

1. SURVEY COORDINATES ARE REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE) AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. GRID NORTH IS REFERENCED TO NAD83 AND PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE).
3. PROPERTY BOUNDARIES OBTAINED FROM AVAILABLE TAX MAPS AND SIMILAR DOCUMENTS. BOUNDARIES ARE APPROXIMATE AND ARE PROVIDED FOR INFORMATION ONLY.
4. SITE PLAN TOPOGRAPHY AND FEATURES WERE COMPILED FROM SEVERAL SURVEY SOURCE DRAWINGS. THE BASE SITE PLAN DEPICTS KNOWN EXISTING CONDITIONS AND REFLECTS THE BEST AVAILABLE INFORMATION AT THE TIME THESE DRAWINGS WERE DEVELOPED.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY: JTS — DATE: 9/29/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 1 INDEX

SCALE: NOT TO SCALE

DRAWING NO.: 444853-200-C-101
REV.: B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 3:54 PM PLOTTED BY: SIVALIA, JACK

NOTICE:
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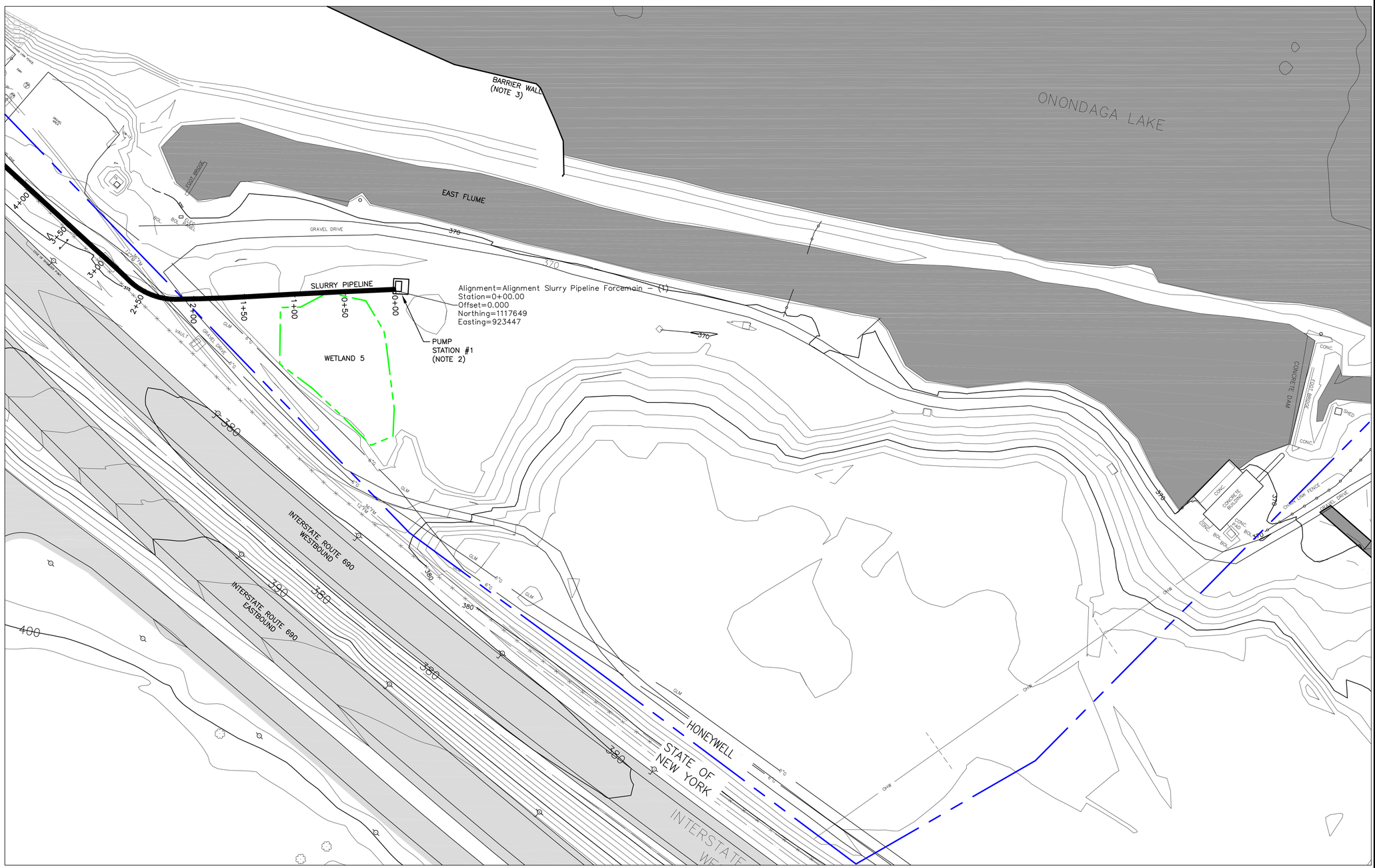

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. PRELIMINARY PUMP STATION LOCATION.
3. EXISTING GRADE CONTOURS PRIOR TO INSTALLATION OF BARRIER WALL ARE SHOWN. SITE MODIFICATIONS AND RESTORATION PLANS OF THIS AREA WILL BE DEVELOPED AT A FUTURE DATE. EXISTING GRADE ALONG PIPELINE ALIGNMENT REMAINS UNCHANGED.

LEGEND:

PROPERTY LINE

WETLAND BOUNDARY

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 2

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-102
REV. B

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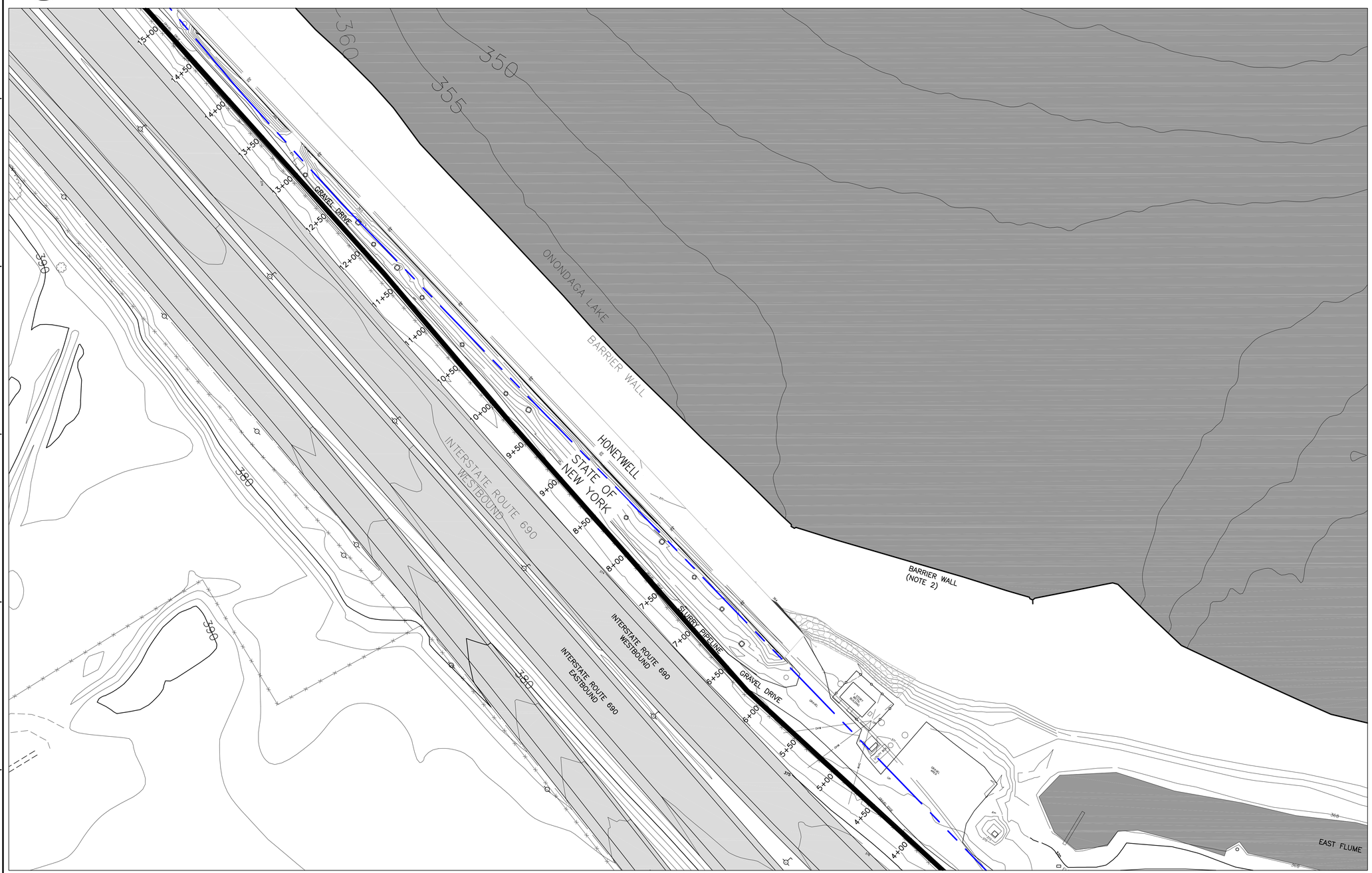

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. EXISTING GRADE CONTOURS PRIOR TO INSTALLATION OF BARRIER WALL ARE SHOWN. SITE MODIFICATIONS AND RESTORATION PLANS OF THIS AREA WILL BE DEVELOPED AT A FUTURE DATE. EXISTING GRADE ALONG PIPELINE ALIGNMENT REMAINS UNCHANGED.

LEGEND

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
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SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 3

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-103
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 3:44 PM PLOTTED BY: SIVALIA, JACK

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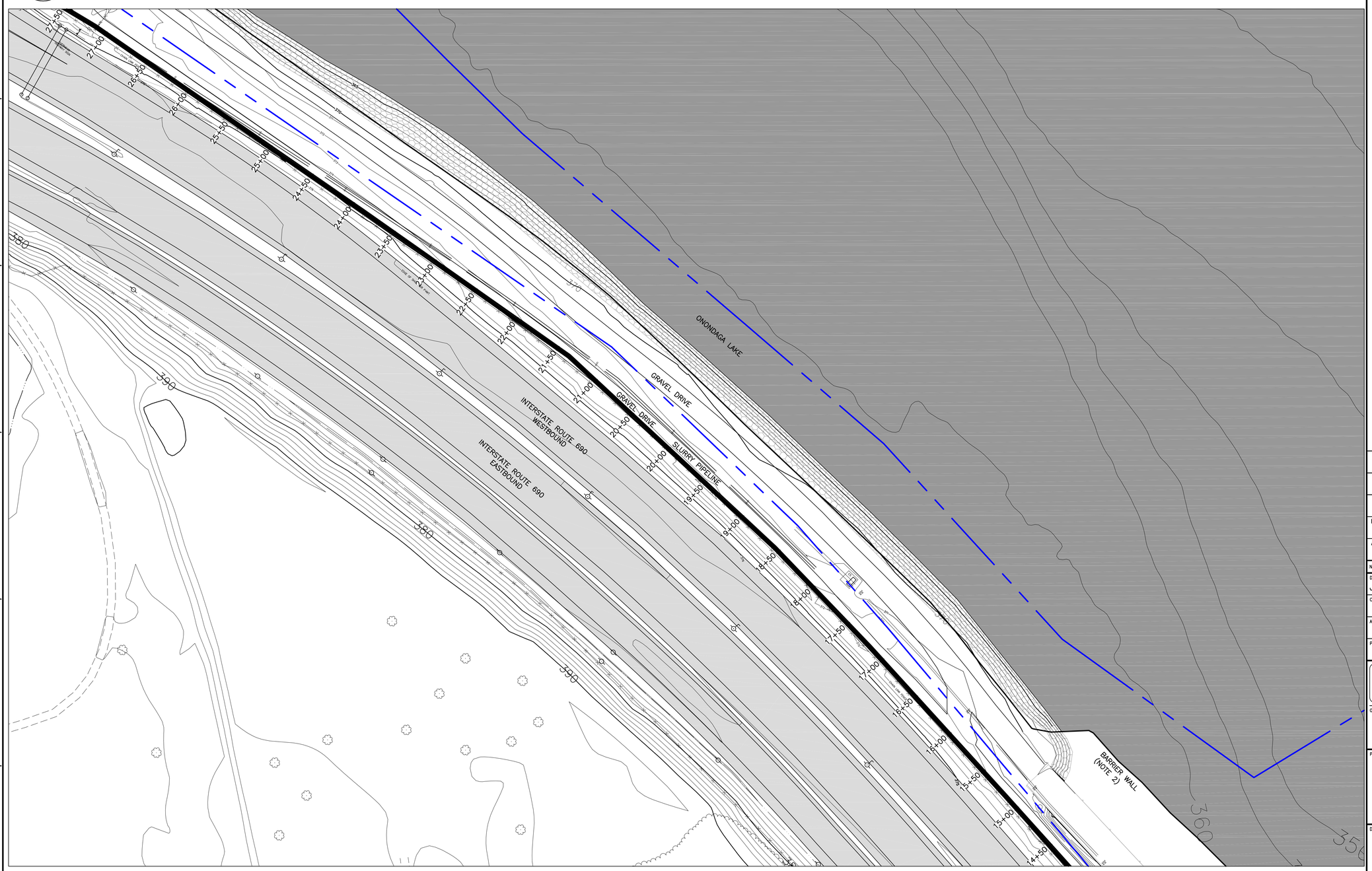

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. EXISTING GRADE CONTOURS PRIOR TO INSTALLATION OF BARRIER WALL ARE SHOWN. SITE MODIFICATION AND RESTORATION PLANS OF THIS AREA WILL BE DEVELOPED AT A FUTURE DATE. EXISTING GRADE ALONG PIPELINE ALIGNMENT REMAINS UNCHANGED.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09
CHECKED BY	DATE
APPROVED BY	DATE
PROJECT MGR.	DATE

SEAL

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OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 4

SCALE SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-104
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 3:57 PM PLOTTED BY: SNAIA, JACK

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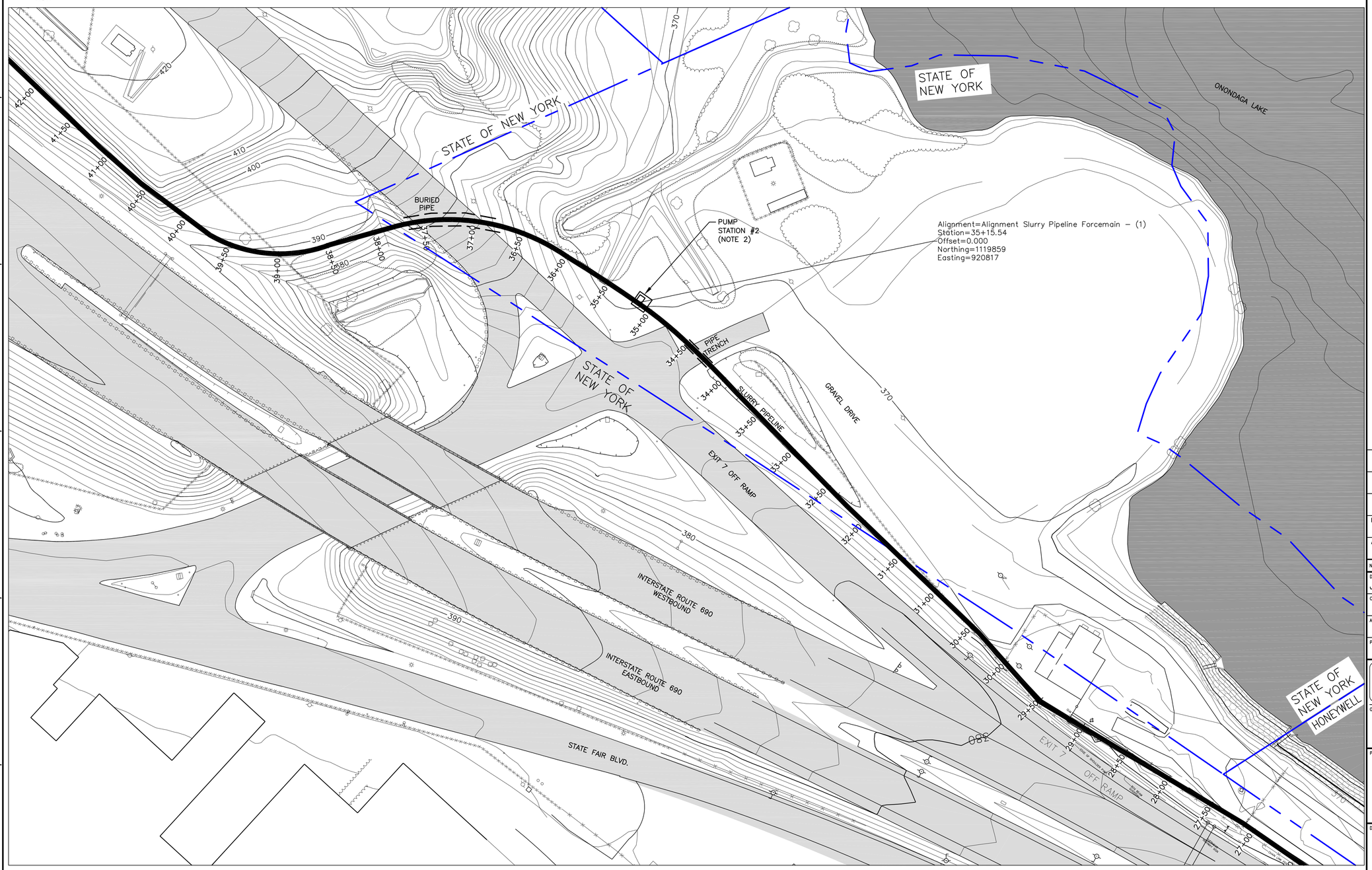

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. PRELIMINARY PUMP STATION LOCATION.

LEGEND:

PROPERTY LINE

NOT FOR CONSTRUCTION

50 25 0 50 100

SCALE: 1"=50'

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 5

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO: 444853-200-C-105
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 4:18 PM PLOTTED BY: SIVALIA, JACK

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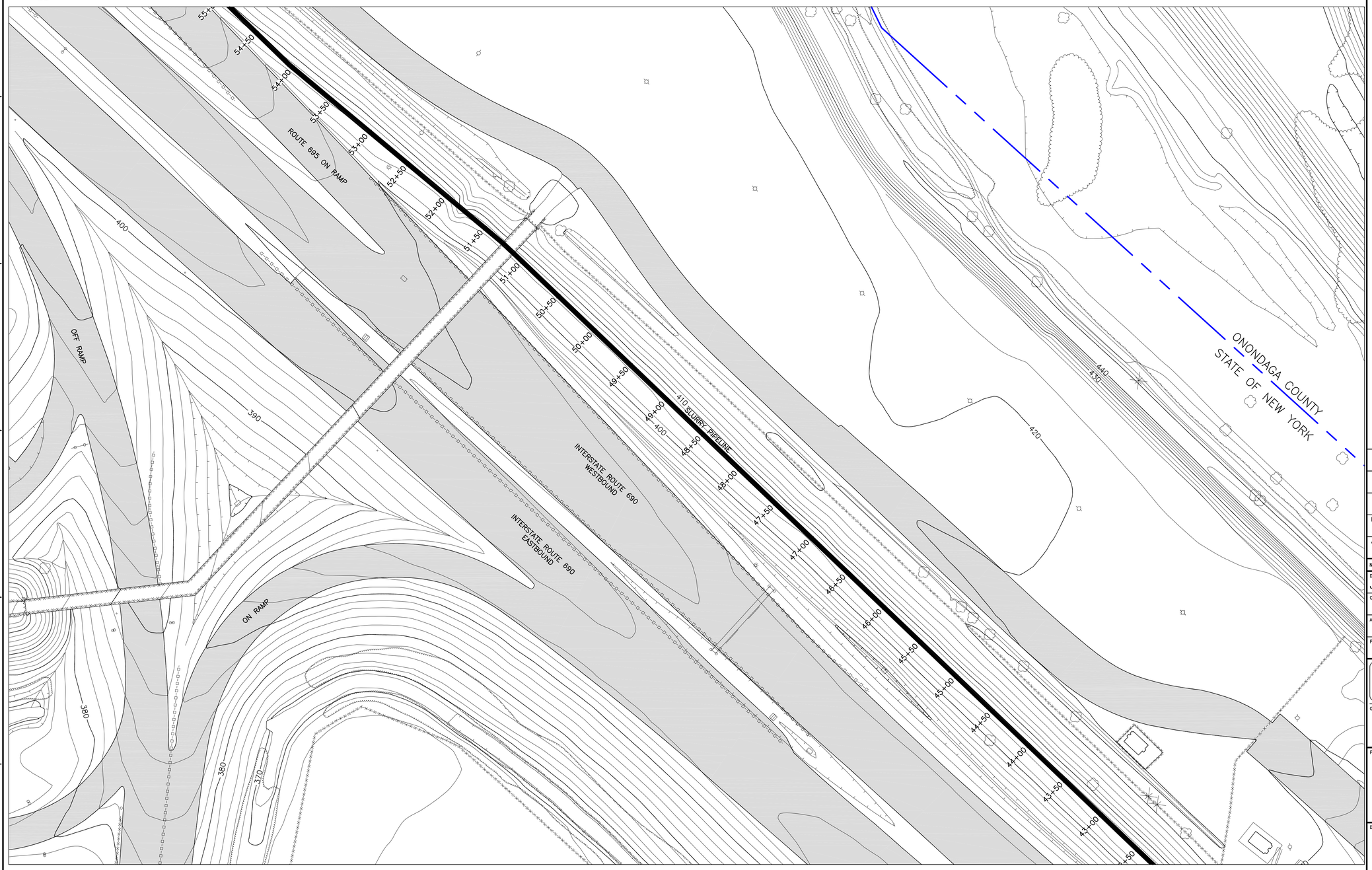

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT
PLANS
SHEET 6

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-106
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 4:39 PM PLOTTED BY: SVALIA, JACK

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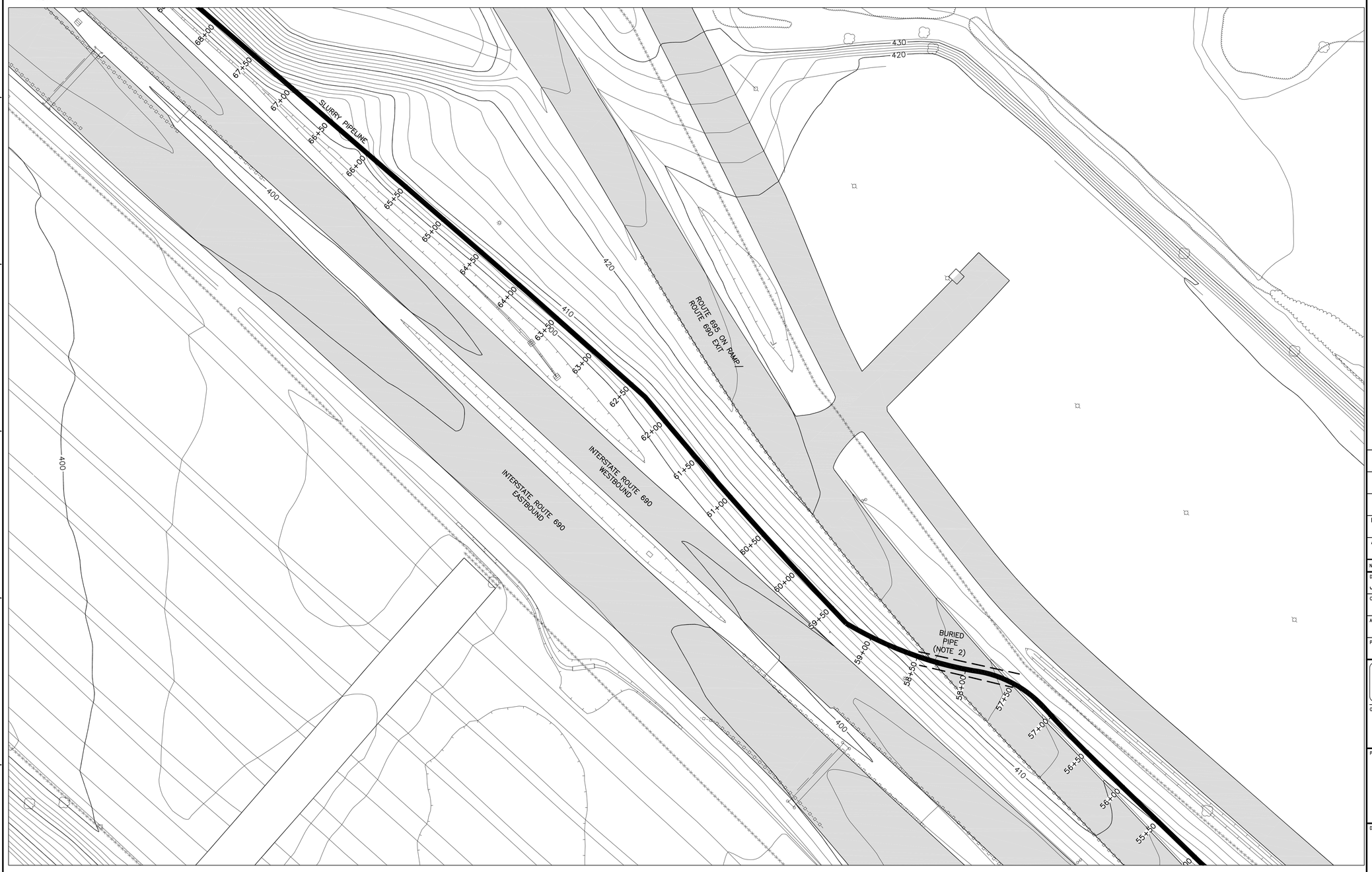

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. BURIED PIPELINE BELOW EXIT RAMP WILL BE INSTALLED USING TRENCHLESS TECHNOLOGY. DETAILED INSTALLATION WILL BE ADDRESSED IN THE FINAL DESIGN DOCUMENTS AND WILL BE IN ACCORDANCE WITH NYSDOT REQUIREMENTS.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 7

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-107
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\DWL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 4:45 PM PLOTTED BY: SNALIA, JACK

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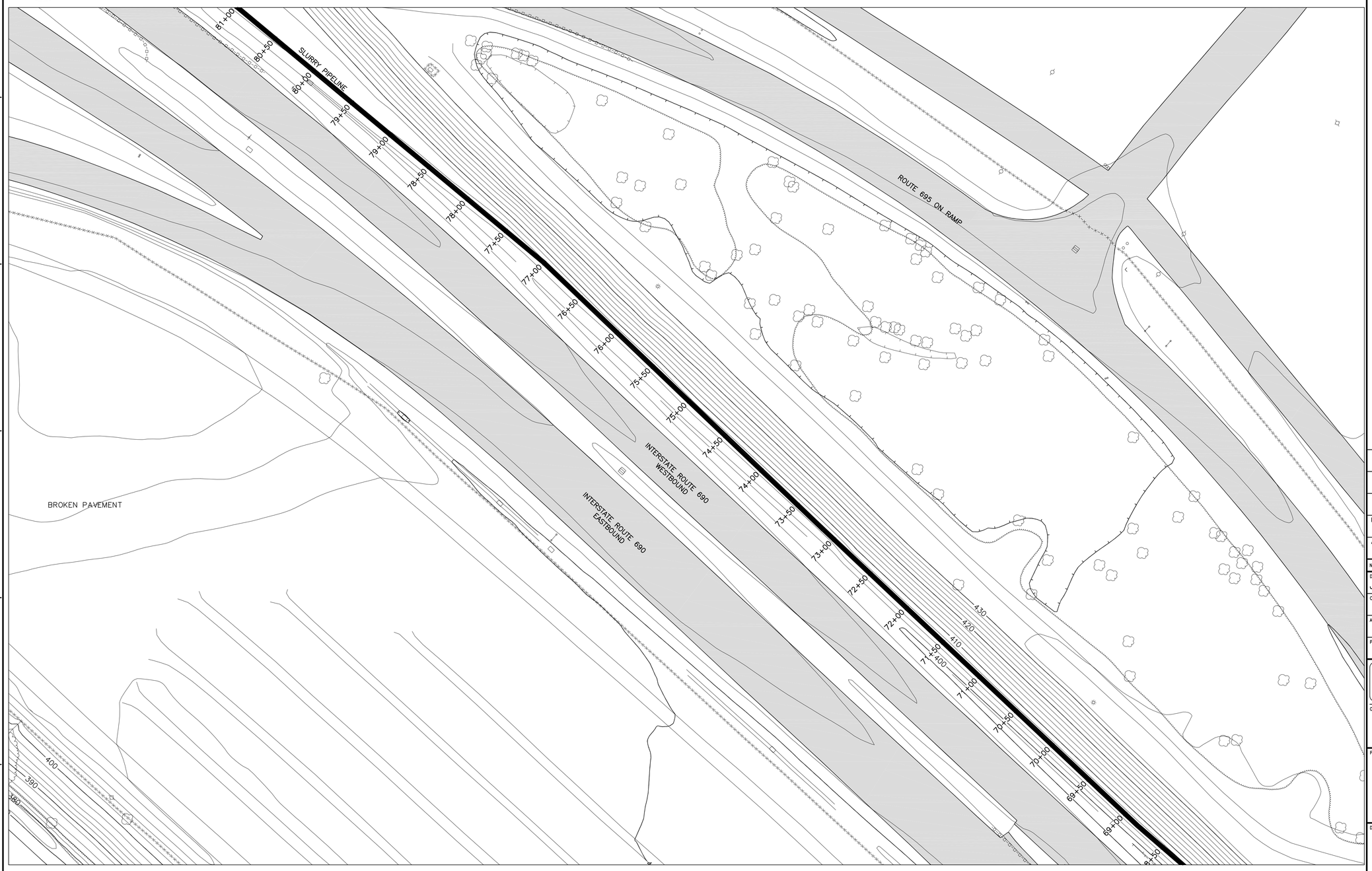

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY: JTS — DATE: 9/2/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

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COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT
PLANS
SHEET 8

SCALE: SCALE 1"= 50' (IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-108 — REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 4:47 PM PLOTTED BY: SIVALIA, JACK

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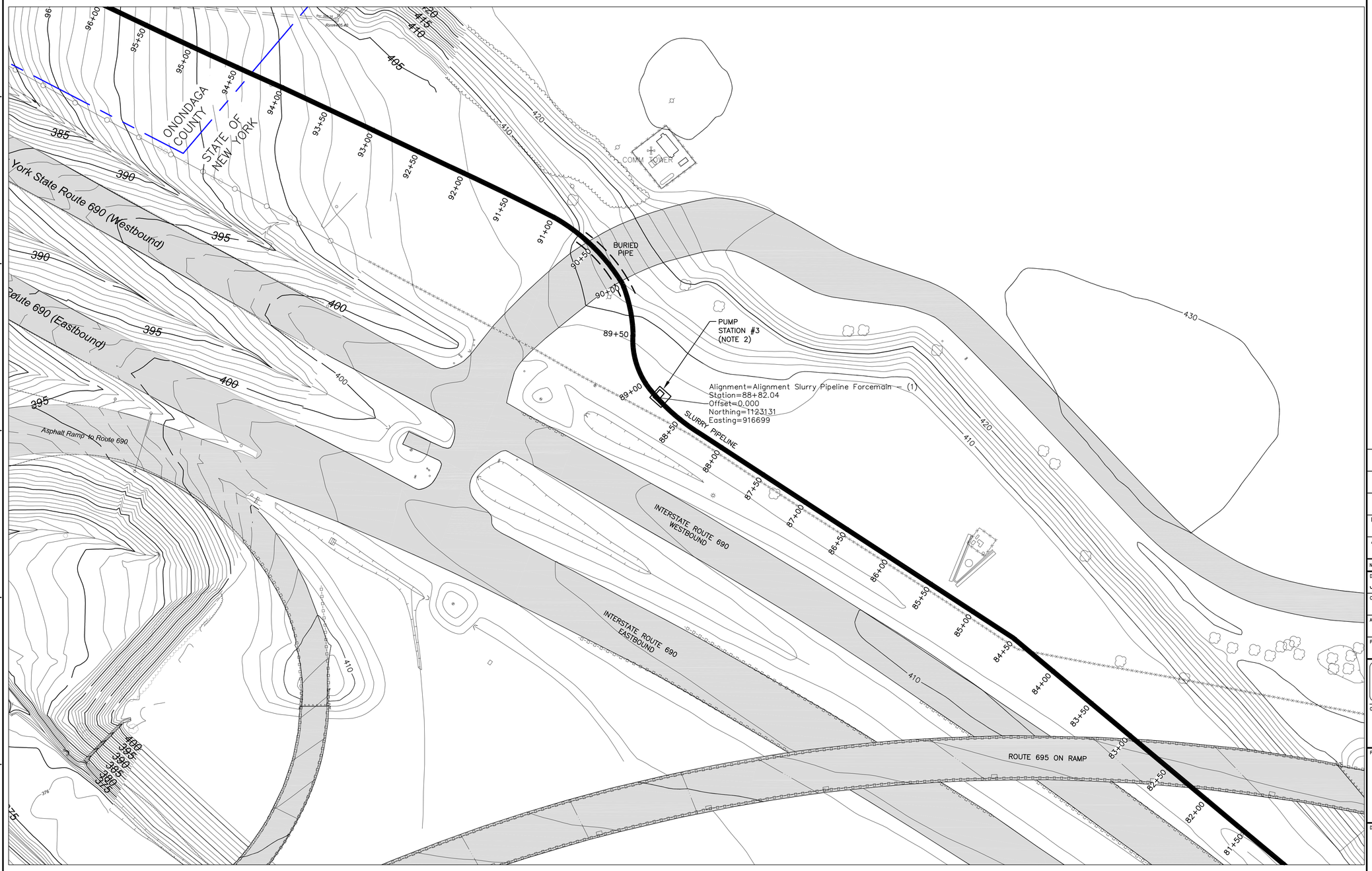

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. PRELIMINARY PUMP STATION LOCATION.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09
CHECKED BY	DATE
APPROVED BY	DATE
PROJECT MGR.	DATE

SEAL

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SYRACUSE, NY 13212
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JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 9

SCALE SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-109
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/19/2010 4:37 PM PLOTTED BY: SIVALIA, JACK

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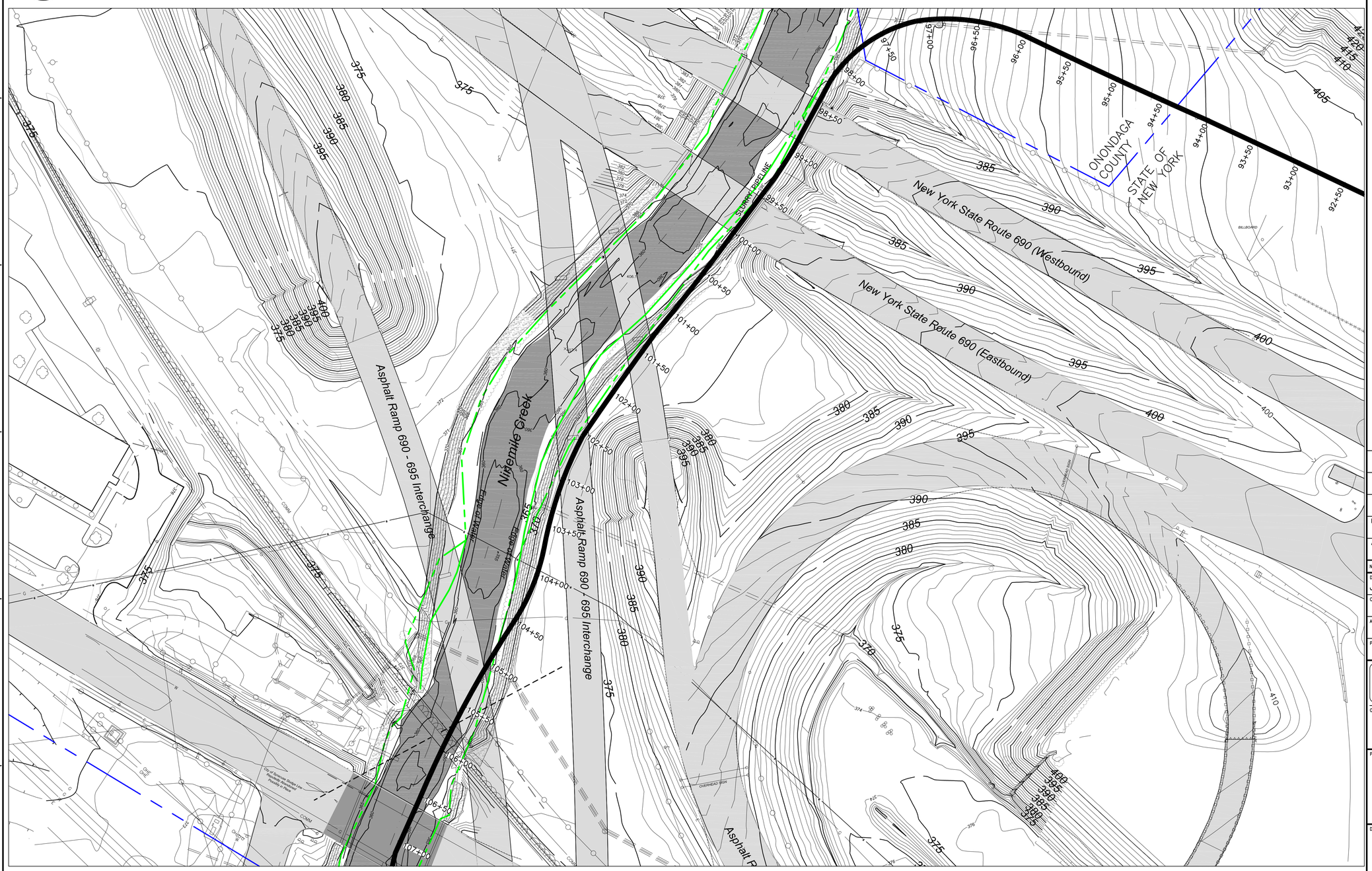

NOT FOR CONSTRUCTION

50 25 0 50 100

SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.

LEGEND:

PROPERTY LINE

WETLAND BOUNDARY

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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SYRACUSE, NY 13212
(315) 451-9560

JOB 444853

WBS 04620

PROJECT TITLE

Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE

SLURRY PIPELINE ALIGNMENT
PLANS
SHEET 10

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO.
444853-200-C-110

REV. B

NOTICE:
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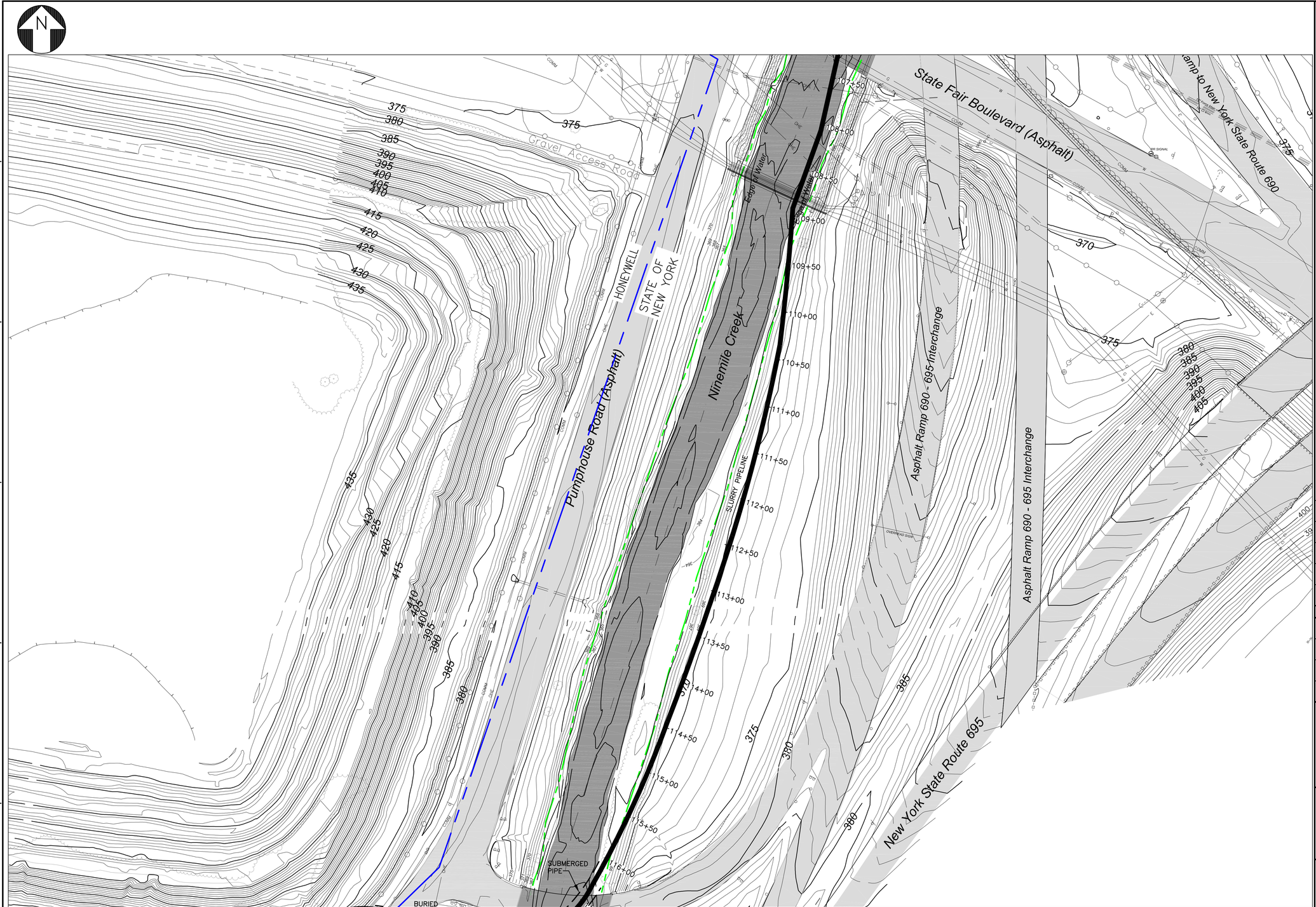

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.

LEGEND:

PROPERTY LINE

WETLAND BOUNDARY

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT
PLANS
SHEET 11

SCALE SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-111
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 6:50 PM PLOTTED BY: SVALIA, JACK

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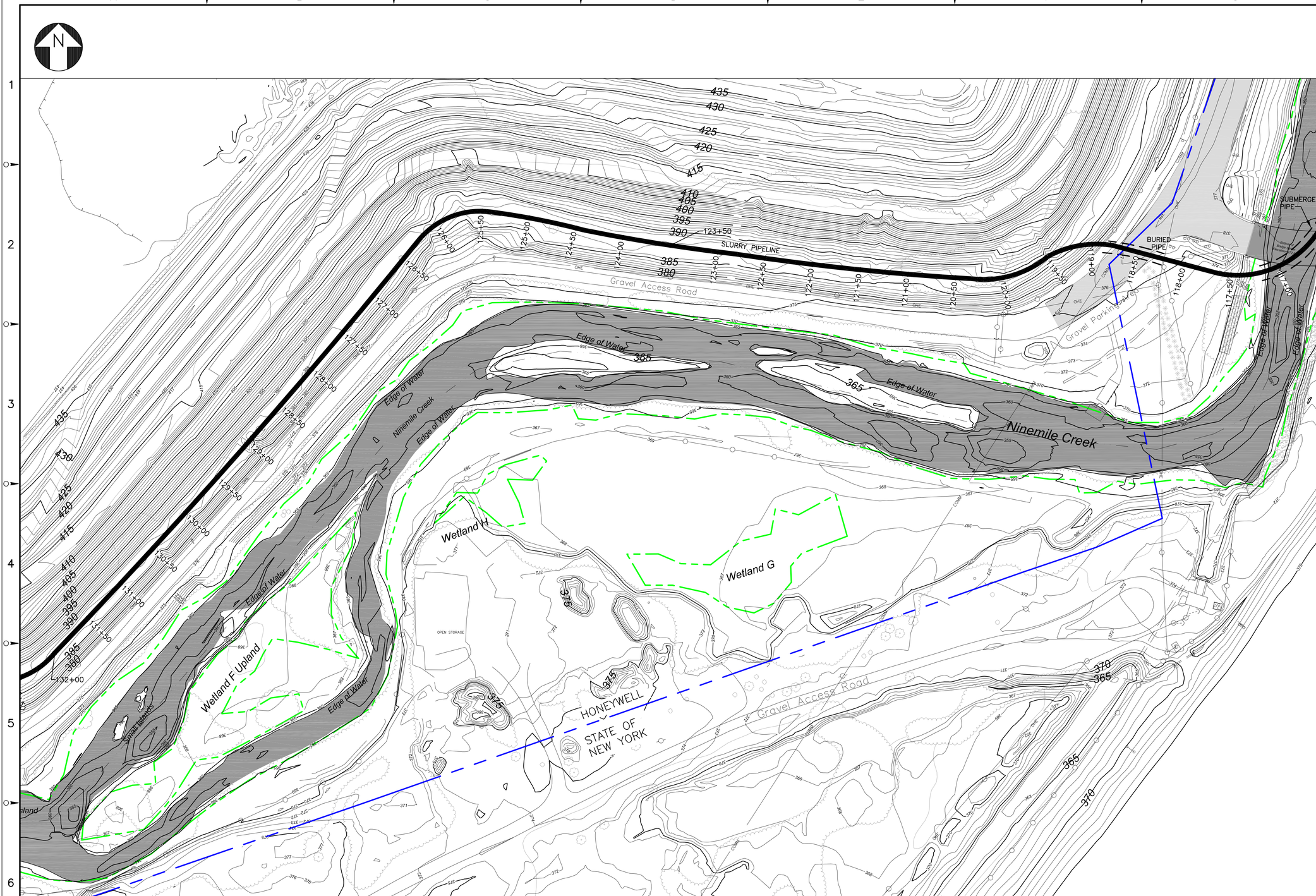

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.

LEGEND:

PROPERTY LINE

WETLAND BOUNDARY

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
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PROJECT MGR.	DATE	

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SYRACUSE, NY 13212
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JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT
PLANS
SHEET 12

SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-112
REV. B

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 7:03 PM PLOTTED BY: SIVALIA, JACK

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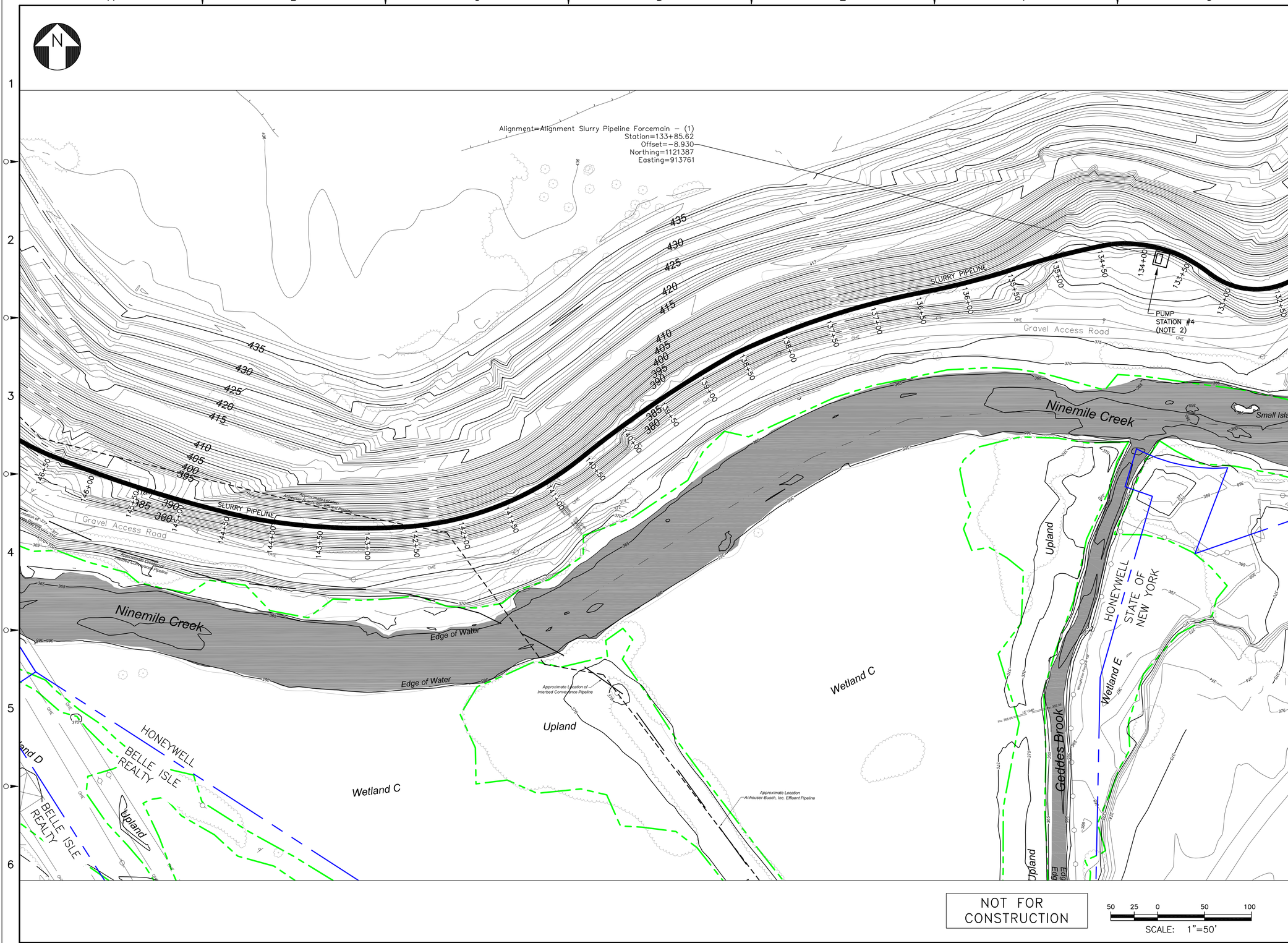

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. PRELIMINARY PUMP STATION LOCATION.

LEGEND:

PROPERTY LINE

WETLAND BOUNDARY

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 13

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-113
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/19/2010 4:43 PM PLOTTED BY: SIVALIA, JACK

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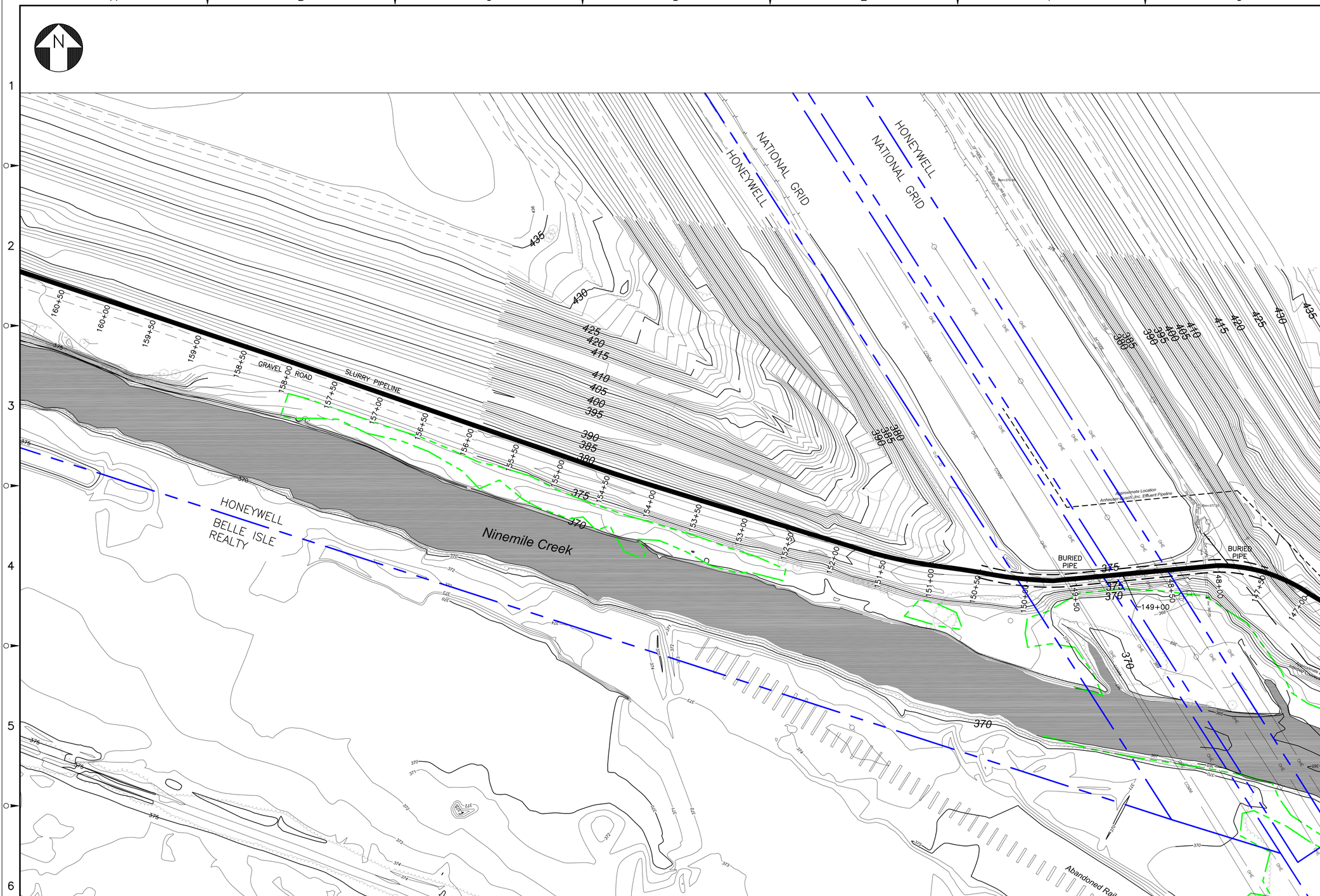

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.

LEGEND:

PROPERTY LINE

WETLAND BOUNDARY

NOT FOR CONSTRUCTION

50 25 0 50 100

SCALE: 1"=50'

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853

WBS 04620

PROJECT TITLE

Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE

SLURRY PIPELINE ALIGNMENT
PLANS
SHEET 14

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-114

REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 7:15 PM PLOTTED BY: SVALIA, JACK

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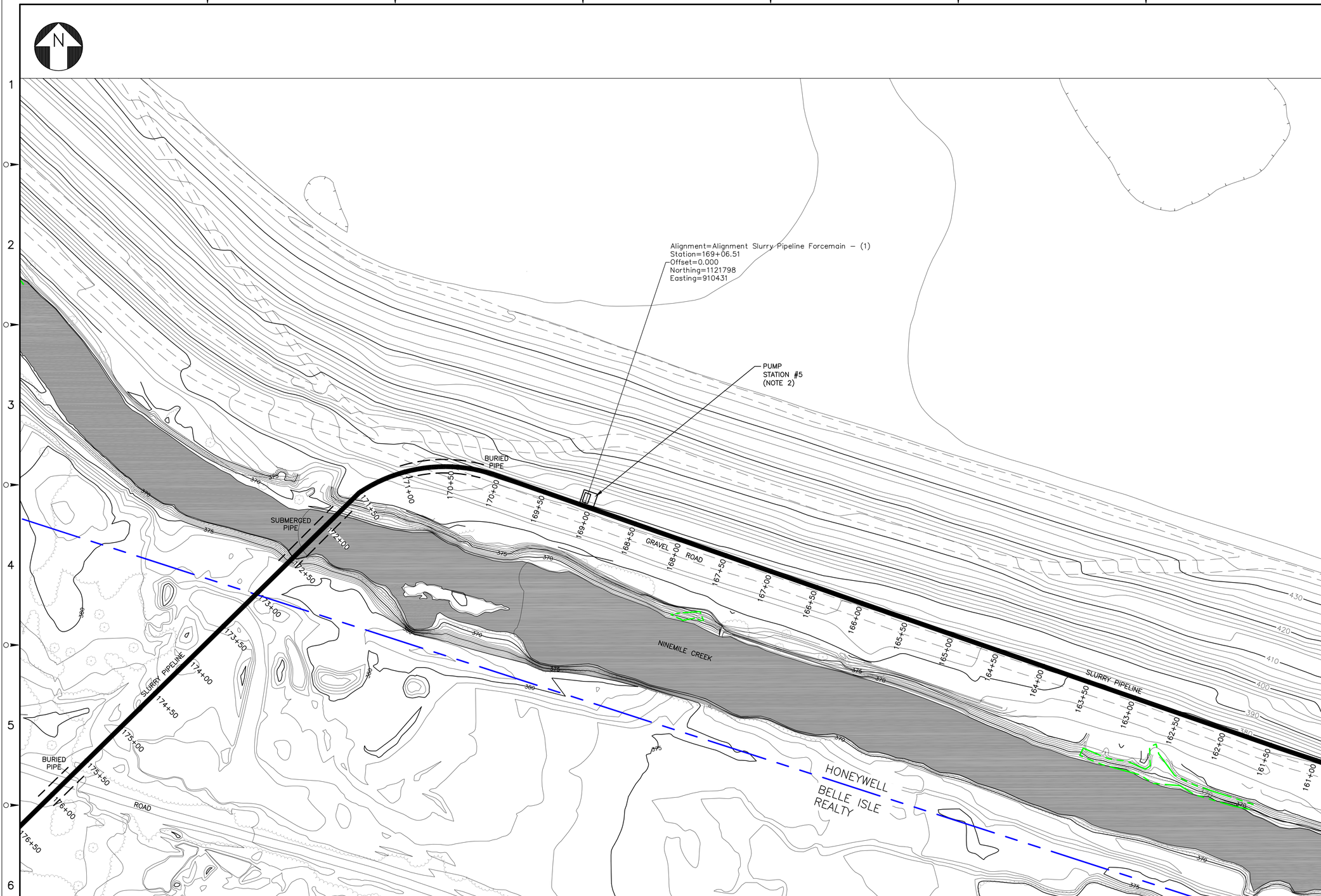

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. PRELIMINARY PUMP STATION LOCATION.
3. WETLAND INVESTIGATION FROM STATIONS 172+50 TO 189+00 TO BE PERFORMED.

LEGEND:

PROPERTY LINE

WETLAND BOUNDARY

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 15

SCALE
SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-115
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVIL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 7:19 PM PLOTTED BY: SUVALA, JACK

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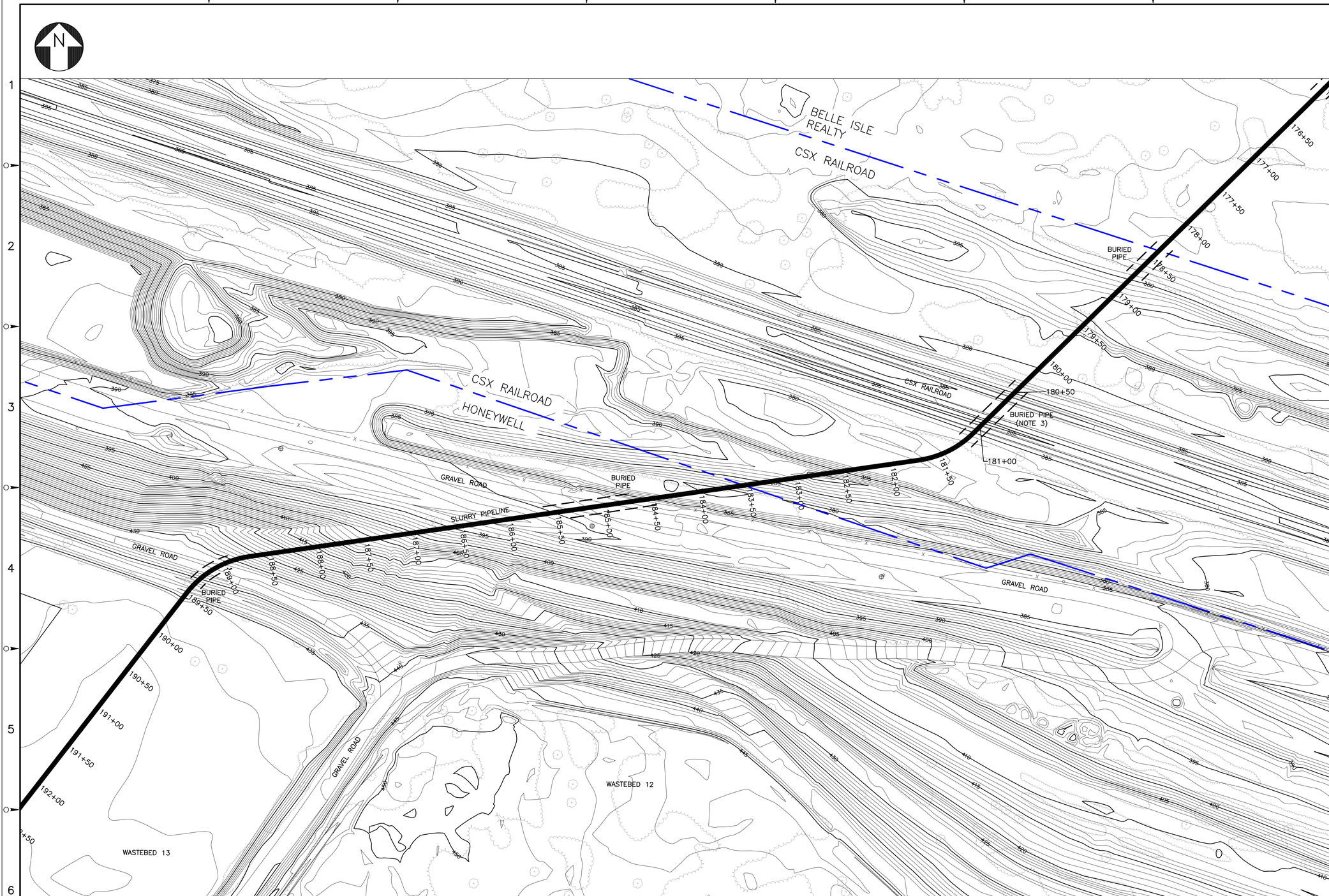

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.
2. WETLAND INVESTIGATION FROM STATIONS 172+50 TO 189+00 TO BE PERFORMED.
3. BURIED PIPELINE BELOW RAILROAD WILL BE INSTALLED USING TRENCHLESS TECHNOLOGY. DETAILED INSTALLATION WILL BE ADDRESSED IN THE FINAL DESIGN DOCUMENTS AND WILL BE IN ACCORDANCE WITH CSX REQUIREMENTS.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY: JTS	DATE: 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560

JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 16

SCALE: SCALE 1"= 50' (IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-116 REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 7:25 PM PLOTTED BY: SVALIA, JACK

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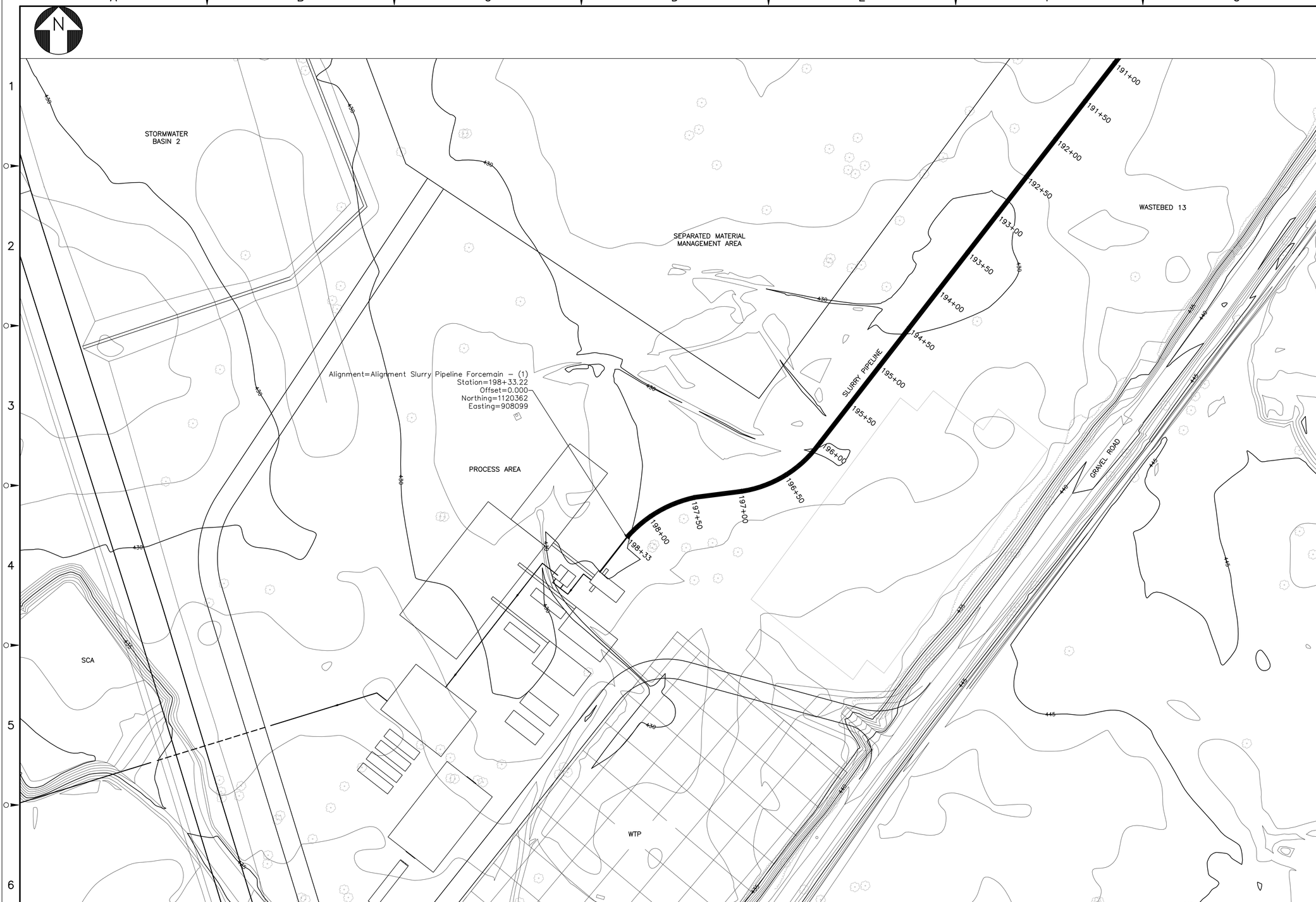

NOT FOR CONSTRUCTION

50 25 0 50 100
SCALE: 1"=50'

NOTES:

1. SEE GENERAL NOTES ON DRAWING 444853-200-C-101.

LEGEND:

PROPERTY LINE

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XD	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS	DATE 9/2/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PIPELINE ALIGNMENT PLANS
SHEET 17

SCALE SCALE 1"= 50'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-C-117
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\CIVL\444853-200-C-101 TO 117.DWG
PLOT DATE: 2/18/2010 7:28 PM PLOTTED BY: SVALIA, JACK

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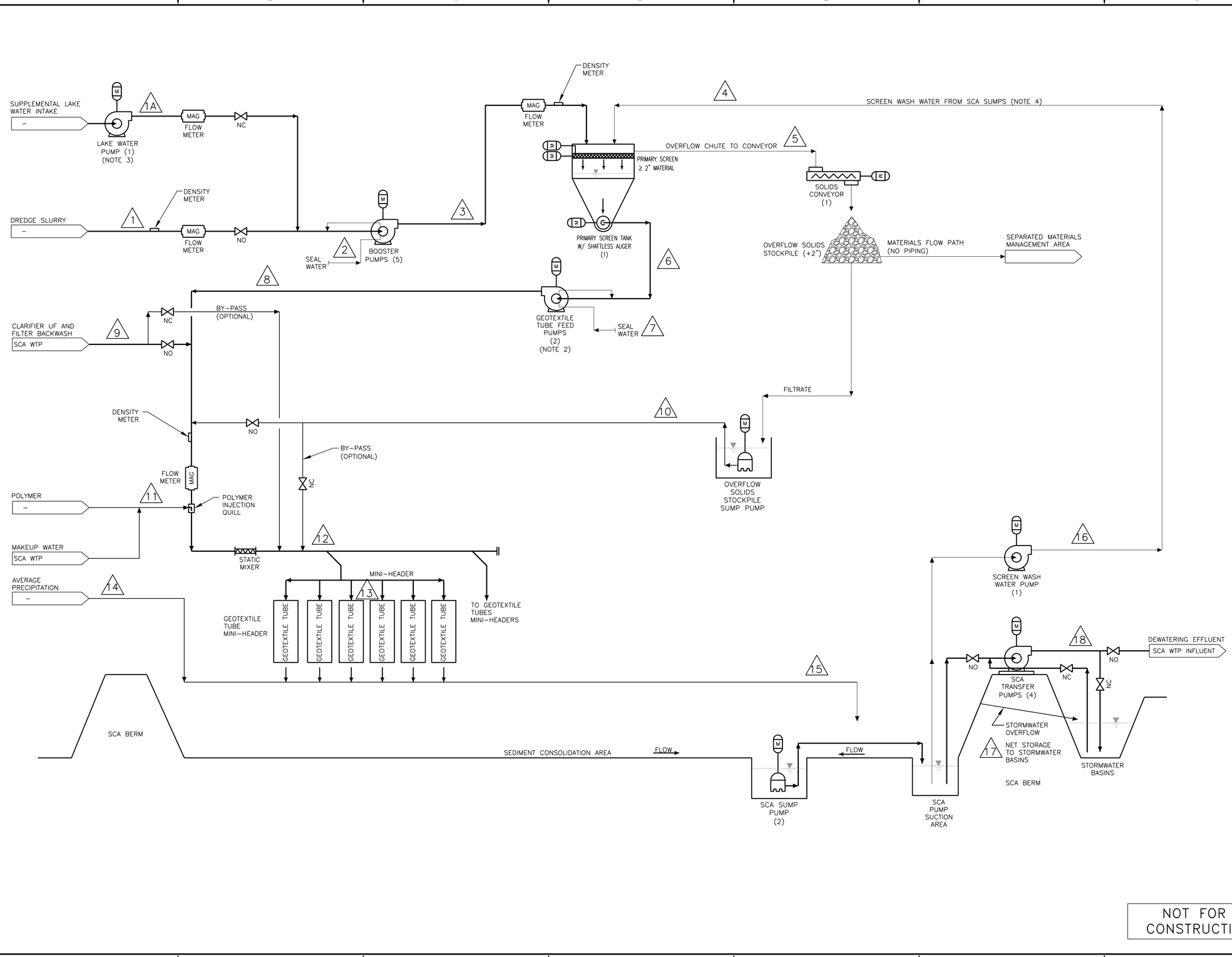

NOT FOR CONSTRUCTION

NOTES:

1. SEE DRAWING 444853-200-D-002 FOR MASS BALANCE PROCESS FLOW DIAGRAM TABLES.
2. TWO PUMPS INSTALLED, ONE DUTY AND ONE BACKUP.
3. LAKE WATER PUMP IS ONLY USED TO CLEAR SLURRY PIPELINE IF/WHEN DREDGE PUMP IS INOPERABLE.
4. ALTERNATE SOURCE OF WATER FOR SCREEN RINSING WILL BE UTILIZED IF/WHEN THE REQUIRED FLOW IS NOT AVAILABLE FROM THE SCA SUMPS (E.G. STARTUP). WATER SOURCE TO BE FINALIZED AS PART OF FINAL DESIGN.

LEGEND:

9 — INDICATES MASS BALANCE STREAM NUMBER

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY: JTS — DATE: 10/22/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
MASS BALANCE
PROCESS FLOW DIAGRAM
PHASE 1

SCALE: NO SCALE

DRAWING NO. 444853-200-D-001 — REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PFD\444853-200-D-001.DWG
PLOT DATE: 2/19/2010 4:33 PM PLOTTED BY: SVALIA, JACK

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MASS BALANCE TABLE - PHASE 1 MAXIMUM FLOW SCENARIO 5,000 GPM

STREAM NUMBER	1	1A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
DESCRIPTION	DREDGE SLURRY	SUPPLEMENTAL LAKE WATER INTAKE	BOOSTER PUMPS SEAL WATER		PRIMARY SCREEN WASH WATER FROM SCA SUMPS	OVER-SIZED REMOVED FROM PRIMARY SCREEN		GEOTEXTILE TUBE FEED PUMPS SEAL WATER		CLARIFIER UNDERFLOW AND FILTER BACKWASH FROM SCA WTP	FILTRATE FROM SCREENED MATERIAL STOCKPILE	POLYMER AND MAKEUP WATER FROM SCA WTP		GEOTEXTILE TUBE RETENTION	AVERAGE PRECIPITATION		PRIMARY SCREEN WASH WATER	NET FLOW TO STORMWATER BASIN	DEWATERING EFFLUENT TO SCA WTP INFLUENT
TOTAL (GPM)	5,000	0	250	5,250	102	(0.7)	5,351	15	5,366	1,065.9	0.1	175.0	6,607	(742.6)	141	6,006	(102)	(150)	5,754
WATER (GPM)	4,792	0	250	5,042	102	(0.3)	5,144	15	5,159	1,065.0	0.1	174.5	6,398	(534.0)	141	6,006	(102)	(150)	5,753
SOLIDS (GPM) (NOTE 2)	208.0	0.0	0.0	208.0	0.0	(0.4)	207.6	0.0	207.6	0.9	0.00001	0.5	209.0	(208.5)	0.0	0.4	0.0	(0.01)	0.4
SOLIDS (LBS/MIN) (NOTE 2)	4,443.5	0.0	0.0	4,443.5	0.0	(8.9)	4,434.6	0.0	4,434.6	19.3	0.0002	2.9	4,456.8	(4,447.4)	0.0	9.4	0.0	(0.2)	9.2

NOTES:

1. STREAM NUMBER WITHOUT DESCRIPTION INDICATES THE TOTAL FLOW AT THAT POINT.
2. THEORETICAL DRY WEIGHT BASIS.
3. NUMBERS WITHIN PARENTHESIS REPRESENT DIVERTED FLOWS.

MASS BALANCE TABLE - PHASE 1 AVERAGE FLOW SCENARIO 3,500 GPM

STREAM NUMBER	1	1A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
DESCRIPTION	DREDGE SLURRY	SUPPLEMENTAL LAKE WATER INTAKE	BOOSTER PUMPS SEAL WATER		PRIMARY SCREEN WASH WATER FROM SCA SUMPS	OVER-SIZED REMOVED FROM PRIMARY SCREEN		GEOTEXTILE TUBE FEED PUMPS SEAL WATER		CLARIFIER UNDERFLOW AND FILTER BACKWASH FROM SCA WTP	FILTRATE FROM SCREENED MATERIAL STOCKPILE	POLYMER AND MAKEUP WATER FORM SCA WTP		GEOTEXTILE TUBE RETENTION	AVERAGE PRECIPITATION		PRIMARY SCREEN WASH WATER	NET FLOW TO STORMWATER BASIN	DEWATERING EFFLUENT TO SCA WTP INFLUENT
TOTAL (GPM)	3,500	0	175	3,675	71	(0.5)	3,746	11	3,756	1,065.9	0.1	122.8	4,945	(520.7)	141	4,566	(71)	0	4,494
WATER (GPM)	3,354	0	175	3,529	71	(0.2)	3,601	11	3,611	1,065.0	0.1	122.4	4,799	(374.5)	141	4,566	(71)	0	4,494
SOLIDS (GPM) (NOTE 2)	145.6	0.0	0.0	145.6	0.0	(0.3)	145.3	0.0	145.3	0.9	0.00001	0.3	146.6	(146.2)	0.0	0.3	0.0	0.0	0.3
SOLIDS (LBS/MIN) (NOTE 2)	3,110.4	0.0	0.0	3,110.4	0.0	(6.2)	3,104.2	0.0	3,104.2	19.3	0.0001	2.0	3,125.6	(3,118.5)	0.0	7.1	0.0	0.0	7.1

NOTES:

1. STREAM NUMBER WITHOUT DESCRIPTION INDICATES THE TOTAL FLOW AT THAT POINT.
2. THEORETICAL DRY WEIGHT BASIS.
3. NUMBERS WITHIN PARENTHESIS REPRESENT DIVERTED FLOWS.

NOT FOR CONSTRUCTION

NOTES:

1. SEE DRAWING 444853-200-D-001 FOR MASS BALANCE PROCESS FLOW DIAGRAM.

LEGEND:

9 INDICATES MASS BALANCE STREAM NUMBER

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APP'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS — DATE 10/22/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
MASS BALANCE
PROCESS FLOW DIAGRAM
PHASE 1 TABLES

SCALE NO SCALE

DRAWING NO. 444853-200-D-002 REV. B

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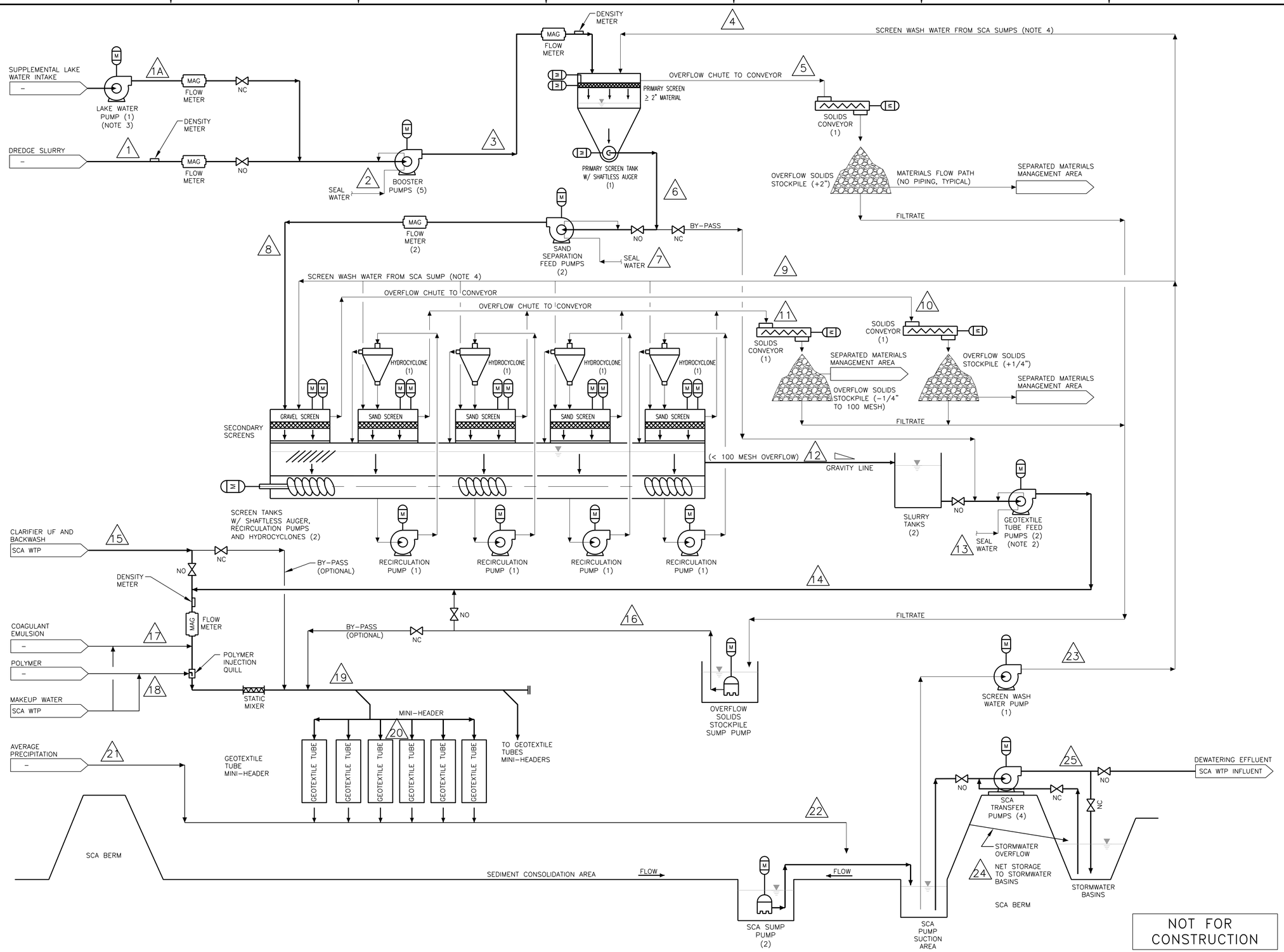

NOTES:

1. SEE DRAWING 444853-200-D-004 FOR MASS BALANCE PROCESS FLOW DIAGRAM TABLES.
2. TWO PUMPS INSTALLED, ONE DUTY AND ONE BACKUP.
3. LAKE WATER PUMP IS ONLY USED TO CLEAR SLURRY PIPELINE IF/WHEN DREDGE PUMP IS INOPERABLE.
4. ALTERNATE SOURCE OF WATER FOR SCREEN RINSING WILL BE UTILIZED IF/WHEN THE REQUIRED FLOW IS NOT AVAILABLE FROM THE SCA SUMPS (E.G. STARTUP). WATER SOURCE TO BE FINALIZED AS PART OF FINAL DESIGN.

LEGEND:

9 INDICATES MASS BALANCE STREAM NUMBER

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY: JTS — DATE: 10/22/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE: Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE: MASS BALANCE PROCESS FLOW DIAGRAM PHASE 2

SCALE: NO SCALE

DRAWING NO. 444853-200-D-003 — REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PFD\444853-200-D-003.DWG
PLOT DATE: 2/19/2010 4:32 PM PLOTTED BY: SMALIA, JACK

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MASS BALANCE TABLE - PHASE 2 MAXIMUM FLOW SCENARIO 5,000 GPM

STREAM NUMBER	1	1A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
DESCRIPTION	DREDGE SLURRY	SUPPLEMENTAL LAKE WATER INTAKE	BOOSTER PUMPS SEAL WATER		PRIMARY SCREEN WASH WATER FROM SCA SUMPS	OVER-SIZED REMOVED FROM PRIMARY SCREEN		SAND SEPARATION FEED PUMPS SEAL WATER		SECONDARY SCREEN AND HYDROCYCLONE SCREEN WASH WATER	GRAVEL REMOVED FROM SECONDARY SCREEN	SAND REMOVED FROM HYDROCYCLONE		GEOTEXTILE TUBE FEED PUMPS SEAL WATER		CLARIFIER UNDERFLOW AND FILTER BACKWASH FROM SCA WTP	FILTRATE FROM SCREENED MATERIAL STOCKPILE	COAGULANT EMULSION AND MAKEUP WATER FROM SCA WTP	POLYMER AND MAKEUP WATER FROM SCA WTP		GEOTEXTILE TUBE RETENTION	AVERAGE PRECIPITATION		PRIMARY, SECONDARY AND HYDROCYCLONE SCREEN WASH WATER	NET FLOW TO STORMWATER BASIN	DEWATERING EFFLUENT TO SCA WTP INFLUENT
TOTAL (GPM)	5,000	0	250	5,250	102	(5.4)	5,347	30	5,377	510	(48.3)	(137.4)	5,701	15	5,716	1,065.9	30.4	66.8	92.3	6,971	(320.6)	141	6,792	(612)	(442.7)	5,737
WATER (GPM)	4,798	0	250	5,048	102	(2.1)	5,148	30	5,178	510	(19.2)	(54.6)	5,614	15	5,629	1,065.0	30.4	66.1	92.0	6,883	(232.4)	141	6,792	(612)	(442.6)	5,737
SOLIDS (GPM) (NOTE 2)	201.9	0.0	0.0	201.9	0.0	(3.2)	198.7	0.0	198.7	0.0	(29.1)	(82.8)	86.8	0.0	86.8	0.9	0.002	0.6	0.3	88.6	(88.2)	0.0	0.4	0.0	(0.03)	0.4
SOLIDS (LBS/MIN) (NOTE 2)	4,449.1	0.0	0.0	4,449.1	0.0	(71.2)	4,377.9	0.0	4,377.9	0.0	(640.7)	(1,824.1)	1,913.1	0.0	1,913.1	19.3	0.05	5.5	1.5	1,939.5	(1,929.7)	0.0	9.8	0.0	(0.6)	9.2

NOTES:

1. STREAM NUMBER WITHOUT DESCRIPTION INDICATES THE TOTAL FLOW AT THAT POINT.
2. THEORETICAL DRY WEIGHT BASIS.
3. NUMBERS WITHIN PARENTHESIS REPRESENT DIVERTED FLOWS.

MASS BALANCE TABLE - PHASE 2 AVERAGE FLOW SCENARIO 3,500 GPM

STREAM NUMBER	1	1A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
DESCRIPTION	DREDGE SLURRY	SUPPLEMENTAL LAKE WATER INTAKE	BOOSTER PUMPS SEAL WATER		PRIMARY SCREEN WASH WATER	OVER-SIZED REMOVED FROM PRIMARY SCREEN		SAND SEPARATION FEED PUMPS SEAL WATER		SECONDARY SCREEN AND HYDROCYCLONE SCREEN WASH WATER	GRAVEL REMOVED FROM SECONDARY SCREEN	SAND REMOVED FROM HYDROCYCLONE		GEOTEXTILE TUBE FEED PUMPS SEAL WATER		CLARIFIER UNDERFLOW AND FILTER BACKWASH FROM SCA WTP	FILTRATE FROM SCREENED MATERIAL STOCKPILE	COAGULANT EMULSION AND MAKEUP WATER FROM SCA WTP	POLYMER AND MAKEUP WATER FROM SCA WTP		GEOTEXTILE TUBE RETENTION	AVERAGE PRECIPITATION		PRIMARY, SECONDARY AND HYDROCYCLONE SCREEN WASH WATER	NET FLOW TO STORMWATER BASIN	DEWATERING EFFLUENT TO SCA WTP INFLUENT
TOTAL (GPM)	3,500	0	175	3,675	71	(3.8)	3,743	21	3,764	357	(33.8)	(96.2)	3,991	11	4,001	1,065.9	21.3	46.9	64.9	5,200	(225.3)	141	5,116	(428)	0	4,688
WATER (GPM)	3,359	0	175	3,534	71	(1.5)	3,604	21	3,625	357	(13.4)	(38.3)	3,930	11	3,940	1,065.0	21.3	46.5	64.7	5,138	(163.4)	141	5,116	(428)	0	4,687
SOLIDS (GPM) (NOTE 2)	141.4	0.0	0.0	141.4	0.0	(2.3)	139.1	0.0	139.1	0.0	(20.4)	(58.0)	60.8	0.0	60.8	0.9	0.002	0.5	0.2	62.3	(62.0)	0.0	0.3	0.0	0.0	0.3
SOLIDS (LBS/MIN) (NOTE 2)	3,114.4	0.0	0.0	3,114.4	0.0	(49.8)	3,064.5	0.0	3,064.5	0.0	(448.5)	(1,276.9)	1,339.2	0.0	1,339.2	19.3	0.03	3.9	1.1	1,363.5	(1,356.1)	0.0	7.4	0.0	0.0	7.4

NOTES:

1. STREAM NUMBER WITHOUT DESCRIPTION INDICATES THE TOTAL FLOW AT THAT POINT.
2. THEORETICAL DRY WEIGHT BASIS.
3. NUMBERS WITHIN PARENTHESIS REPRESENT DIVERTED FLOWS.

NOT FOR CONSTRUCTION

NOTES:

1. SEE DRAWING 444853-200-D-003 FOR MASS BALANCE PROCESS FLOW DIAGRAM.

LEGEND:

9 INDICATES MASS BALANCE STREAM NUMBER

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	XH	TCD
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	XH	TCD

DRAWN BY JTS DATE 10/22/09
CHECKED BY DATE –
APPROVED BY DATE –
PROJECT MGR. DATE –
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP
OFFICE 301 PLAINFIELD ROAD SYRACUSE, NY 13212 (315) 451-9560
JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
MASS BALANCE
PROCESS FLOW DIAGRAM
PHASE 2 TABLES

SCALE NO SCALE

DRAWING NO. 444853-200-D-004 REV. B

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GENERAL INSTRUMENT SYMBOLS

SINGLE FUNCTION | MULTIPLE FUNCTION

- OR — FIELD MOUNTED INSTRUMENT OR DEVICE
- OR — FRONT OF PANEL-MOUNTED INSTRUMENT ON LOCAL PANEL
- OR — FRONT OF PANEL-MOUNTED INSTRUMENT ON MAIN PANEL
- OR — REAR OF PANEL-MOUNTED INSTRUMENT ON LOCAL PANEL
- OR — REAR OF PANEL-MOUNTED INSTRUMENT ON MAIN PANEL
- OR — SOFTWARE-GENERATED ANALOG FUNCTION (OPERATOR ACCESSIBLE)
- OR — SOFTWARE-GENERATED ANALOG FUNCTION (NOT OPERATOR ACCESSIBLE)
- OR — SOFTWARE-GENERATED DIGITAL FUNCTION (OPERATOR ACCESSIBLE)
- OR — SOFTWARE GENERATED DIGITAL FUNCTION (NOT OPERATOR ACCESSIBLE)
- PLC CP-1 — PLC INPUT/OUTPUT, LOCATED IN LOCAL CONTROL PANEL (CP-1)

FIRST LETTER(S)
SUCCEEDING LETTERS
CODES AND ABBREVIATIONS
XX
XXX
XXX
ITEM DESIGNATOR USED WHEN THERE ARE IDENTICAL COMPONENTS WITH THE SAME P&ID SHEET & LOOP NUMBER
LOOP NUMBER PER P&ID SHEET
P&ID SHEET IDENTIFIER

- I — HARDWIRED INTERLOCK
- P — PURGE SYSTEM, SEE SPECIFICATIONS

ABBREVIATIONS AND CODES

*	SUPPLIED WITH ELECTRICAL OR MECHANICAL EQUIPMENT
A/M	AUTO/MANUAL
C/L	COMPUTER/LOCAL
D/S	DUTY/STANDBY
E/S	EMERGENCY/STOP
F/S	FAST/SLOW
FOR	FORWARD/OFF/REVERSE
FOS	FAST/OFF/SLOW
FSOA	FAST/SLOW/OFF/AUTO
HOA	HAND/OFF/AUTO
HOR	HAND/OFF/REMOTE
LAR	LOWER/AUTO/RAISE
L/LLO	LEAD/LAG LOCK OUT
SL/R	STOP LOWER/RAISE
MOA	MANUAL/OFF/AUTO
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OAC	OPEN/AUTO/CLOSE
O/C	OPEN/CLOSE
O/O	ON/OFF
OOA	ON/OFF/AUTO
OOR	ON/OFF/REMOTE
ORC	OPEN/REMOTE/CLOSE
PB	PUSH BUTTON
SD	SHUTDOWN
SEL	SELECTOR
S/F	SLOWER/FASTER
S/S	START/STOP
SCA	SEDIMENT CONSOLIDATION AREA

LINE CODES

- PROCESS OR MECHANICAL LINE
- MINOR PROCESS LINE OR MECHANICAL
- CONNECTION SIGNAL LINE (ELECTRICAL, DIGITAL OR ANALOG)
- NO ELECTRICAL CONNECTION
- ELECTRICAL CONNECTIONS (INDICATED BY DOTS)
- HEAT TRACED
- TELEPHONE LINE
- SOFTWARE OR DATA
- PNEUMATIC LINE
- HYDRAULIC LINE
- CAPILLARY
- DATA HIGHWAY COMMUNICATIONS
- LINK FLEXIBLE TUBING
- FLEXIBLE HOSE
- FLOW DIRECTION
- PIPE INSULATION
- TO/FROM XXXX — PROCESS LINE OR ELECTRICAL SIGNAL CONTINUATION TO/FROM
- SHT # — SHEET NUMBER INDICATED

FUNCTION IDENTIFICATION LETTERS

LETTER	FIRST LETTER: MEASURED OR INITIATING VARIABLE	FIRST LETTER: MODIFIER	SUCCEEDING LETTERS: READOUT OR PASSIVE FUNCTION	SUCCEEDING LETTERS: OUTPUT FUNCTION	SUCCEEDING LETTERS: MODIFIER
A	ANALYSIS		ALARM		
B	BURNER		PROGRAMMER		
C	CONDUCTIVITY (ELECTRICAL)			CONTROL	
D	DENSITY (MASS) OR SPECIFIC GRAVITY	DIFFERENTIAL			
E	VOLTAGE (EMF)		PRIMARY ELEMENT		
F	FLOW RATE	RATIO (FRACTION)			FILTER
G	GAUGE		GLASS (VIEWING)		
H	HAND				HIGH (OPEN)
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN			
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT (PILOT)		LOW (CLOSED)
M	MOTOR				MIDDLE OR INTERMEDIATE
N					
O	OPERATION	OFFSET	ORIFICE (RESTRICTION)		
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY, EVENT	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD, PRINT		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION (MECHANICAL ANALYSIS)			VALVE, DAMPER, LOUVER	
W	WEIGHT, FORCE, TORQUE		WELL		
X	UNCLASSIFIED	X (AXIS)	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y (AXIS)		RELAY, COMPUTE, CONVERT	
Z	POSITION, DIMENSION	Z (AXIS)		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

LINE DESIGNATION

PROCESS LINE — XX"-XX-XXX-XXX

- LINE SIZE
- SYSTEM CODE
- SEQUENCE NUMBER (OPTIONAL)
- MATERIAL CODE (OR CLASS)

SYSTEM CODE

BWW	BACK WASH WATER
CHEM	CHEMICAL
CNDS	CONDENSATE
DR	DRAIN
EFF	EFFLUENT
INF	INFLUENT
O/F	OVERFLOW
PLW	PLANT WATER (REUSE)
POL	POLYMER
PRCS	PROCESS
RTN	RETURN
SAN	SAND SEPARATION
SLU	SLURRY
SWW	SCREEN WASH WATER
SPLY	SUPPLY
ST	STEAM
U/F	UNDERFLOW
V	VENT
W	WATER (POTABLE)
WW	WASTE WATER

EQUIPMENT NOTATION

AZ	AUTOMATIC SAMPLER
B	BLOWER (AIR)
BFP	BELT FILTER PRESS
BS	BAR SCREEN
C	COMPRESSOR
CP-X	CONTROL PANEL No 'X'
EQB	EQUALIZATION BASIN
F	FAN
FP-XXX	FIELD PANEL No 'XXX'
HC	HYDROCYCLONE
M	MOTOR
MCC	MOTOR CONTROL CENTER
MX	MIXER MOTOR
OWS	OIL WATER SEPARATOR
P	PUMP
S	SUMP
SC	SCREEN
T	TANK

PIPE MATERIAL CODES

BI	BLACK IRON
CS	CARBON STEEL
CU	COPPER
DI	DUCTILE IRON
FRP	FIBER REINFORCED PLASTICS
GALV	GALVANIZED
HDPE	HIGH DENSITY POLYETHYLENE
PVC	POLYVINYL CHLORIDE
SS	STAINLESS STEEL
STL	STEEL

PROCESS SYMBOLS

VALVES

- 3-WAY VALVE
- 4-WAY VALVE
- AIR RELIEF VALVE
- ANGLE VALVE (HAND OPERATED)
- B, D — BACK FLOW PREVENTER
- BACK PRESSURE REGULATING VALVE (SELF CONTAINED)
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE (ARROW FLOW DIRECTION)
- CONTROL VALVE
- DIAPHRAGM VALVE
- FLOAT CONTROL VALVE
- GATE VALVE
- GLOBE VALVE
- K — KNIFE GATE VALVE
- NEEDLE VALVE
- PLUG VALVE
- PNEUMATIC ACTUATED BALL VALVE
- PNEUMATIC DIAPHRAGM CONTROL VALVE
- PRESSURE REGULATING VALVE (SELF CONTAINED)
- QUICK OPENING VALVE
- RELIEF VALVE (PRESSURE OR VACUUM)
- S — SOLENOID CONTROL VALVE
- S — SOLENOID CONTROL VALVE (3- WAY)
- T — THERMOSTATIC AIR VENT VALVE

GATES

- S — SLIDE OR BLAST GATE
- SLUICE GATE
- STOP GATE
- W — WEIR GATE
- WEIR

PUMPS

- POSITIVE CENTRIFUGAL PUMP OR BLOWER
- POSITIVE DISPLACEMENT PUMP OR BLOWER
- AIR ACTUATED DIAPHRAGM PUMP
- CHEMICAL PUMP
- GEAR PUMP
- SCREW PUMP
- OR M — SUBMERSIBLE PUMP

MIXERS AND MOTORS

- MX — MIXER/AGITATOR
- M — PROPELLER AERATOR
- M — MOTOR

FLOW AND LEVEL ELEMENTS

- FLOW METER
- ORIFICE METER
- FI — ROTOMETER
- SIGHT GLASS
- MAG — MAGNETIC FLOW METER
- TURBIDITY METER
- VENTURI TUBE
- VTX — VORTEX FLOW METER
- L — ALARM BEACON (LIGHT)
- ALARM HORN
- VFD — VARIABLE FREQUENCY DRIVE

MISCELLANEOUS MECHANICAL ITEMS

- CALIBRATION CHAMBER
- CAMLOC FITTING (HOSE CONNECTION)
- CHEMICAL DIAPHRAGM SEAL
- DIAPHRAGM CHECK VALVE (FLOW DIRECTION SHOWN)
- BASKET FILTER
- END CAP
- PRESSURE / VACUUM — RUPTURE DISC
- CONCENTRIC / ECCENTRIC — REDUCER (RDCR)
- DESCRIP VLV# — DRAIN or SAMPLE (D= DRAIN) (S= SAMPLE)
- FLAME ARRESTOR
- PULSATION DAMPENER
- LOCAL / REMOTE — SAMPLE TAP
- PLUGGED
- UNION
- "Y" TYPE STRAINER (FLOW DIRECTION SHOWN)

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NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP
OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
P&ID LEGEND AND ABBREVIATION SHEET

SCALE: NOT TO SCALE
DRAWING NO.: 444853-200-D-101
REV.: B

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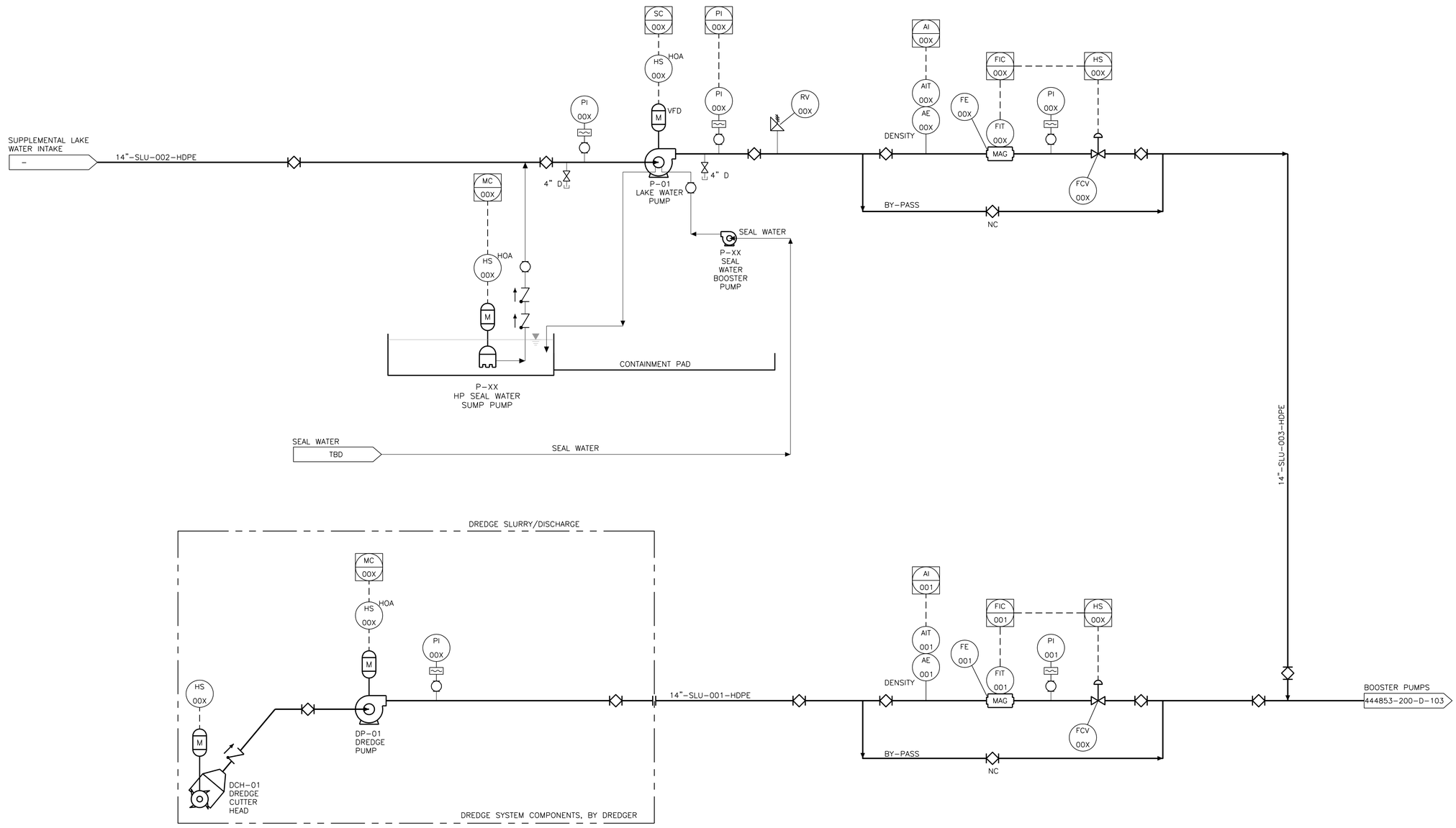

DCH–01
DREDGE CUTTER HEAD
MFR: XXX
MODEL: XXX
CAPACITY: XXX XXHP,

DP–01
DREDGE PUMP 01
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH XXHP,

P–XX
SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH XXHP, XXV

P–01
LAKE WATER WATER PUMP 01
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH XXHP, 460V, VFD

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

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PARSONS
COMMERCIAL TECHNOLOGY GROUP
OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451–9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SLURRY PIPELINE

SCALE: NO SCALE
DRAWING NO. 444853–200–D–102 — REV. B

FILE NAME: P:\HONEYWELL –SYR\444853 – LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED–MGMT DESIGN\PID\444853–200–D–102 TO D–112.DWG
PLOT DATE: 2/19/2010 12:53 PM PLOTTED BY: SIVALIA, JACK

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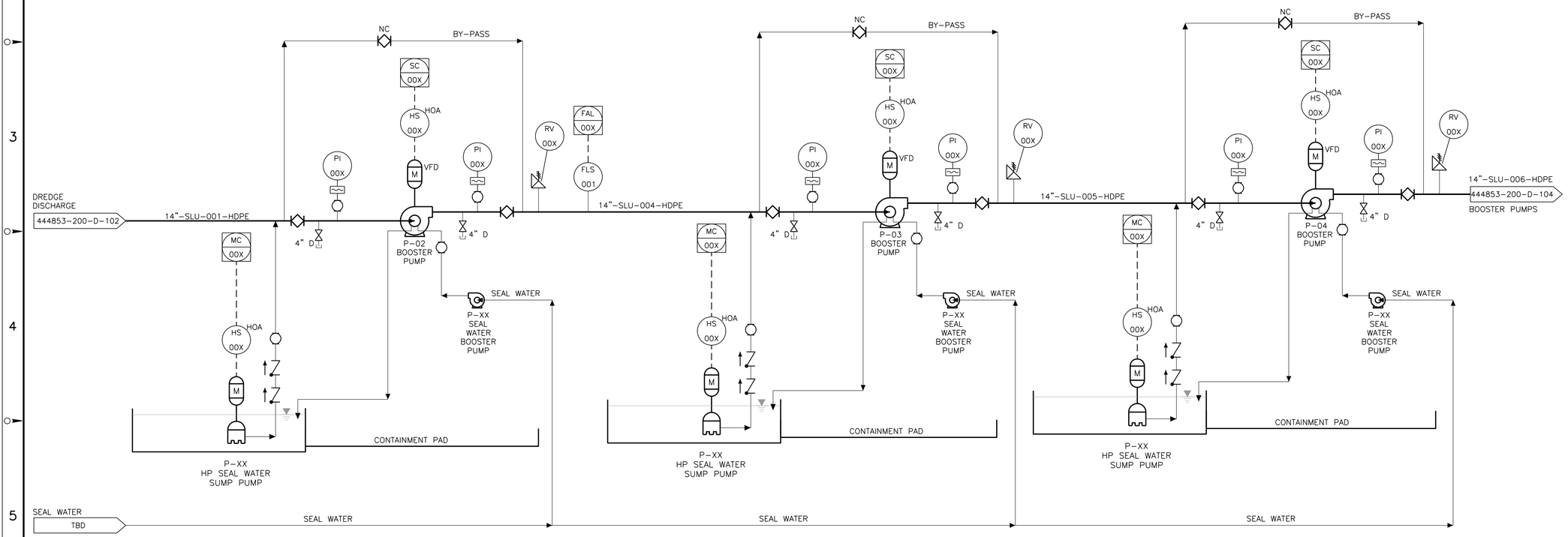

P-XX
SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, XXV

P-02
BOOSTER PUMP 02
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, 460V, VFD

P-XX
SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, XXV

P-03
BOOSTER PUMP 03
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, 460V, VFD

P-XX
SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, XXV

P-04
BOOSTER PUMP 04
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, 460V, VFD

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SLURRY PIPELINE

SCALE: NO SCALE
DRAWING NO. 444853-200-D-103
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 12:55 PM PLOTTED BY: SVALIA, JACK

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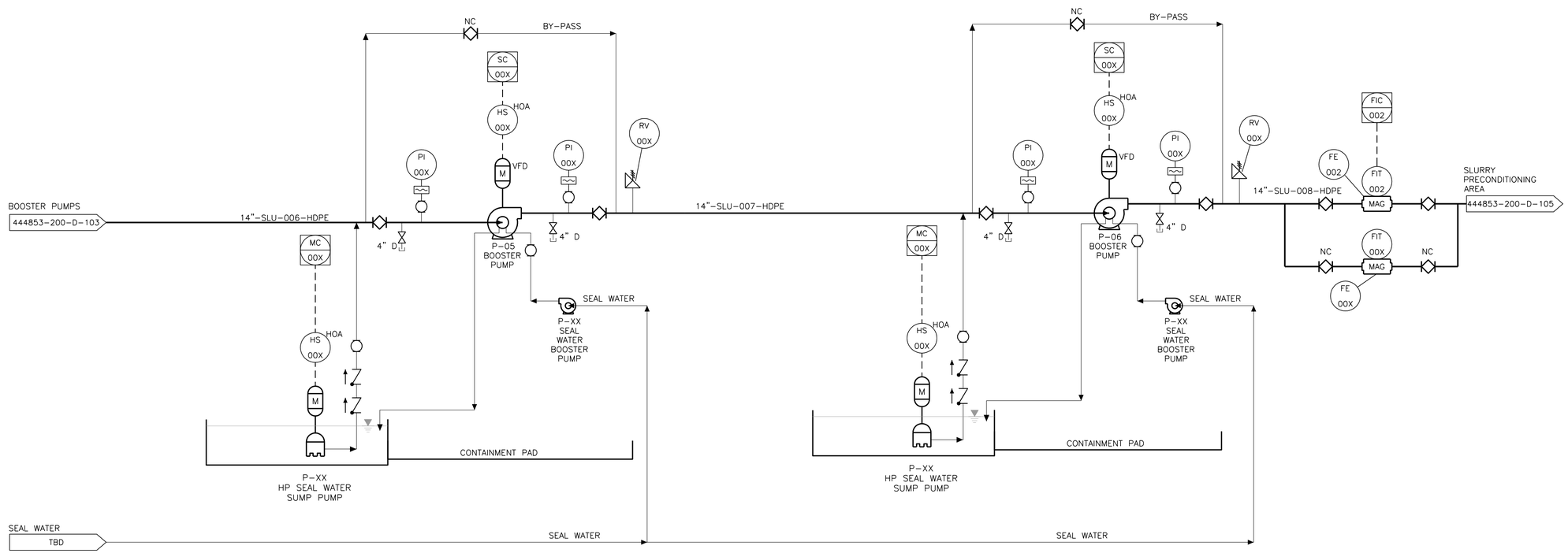

P-XX
SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, XXV

P-05
BOOSTER PUMP 05
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, 460V, VFD

P-XX
SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, XXV

P-06
BOOSTER PUMP 06
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, 460V, VFD

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SLURRY PIPELINE

SCALE: NO SCALE

DRAWING NO. 444853-200-D-104 — REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 12:55 PM PLOTTED BY: SVALIA, JACK

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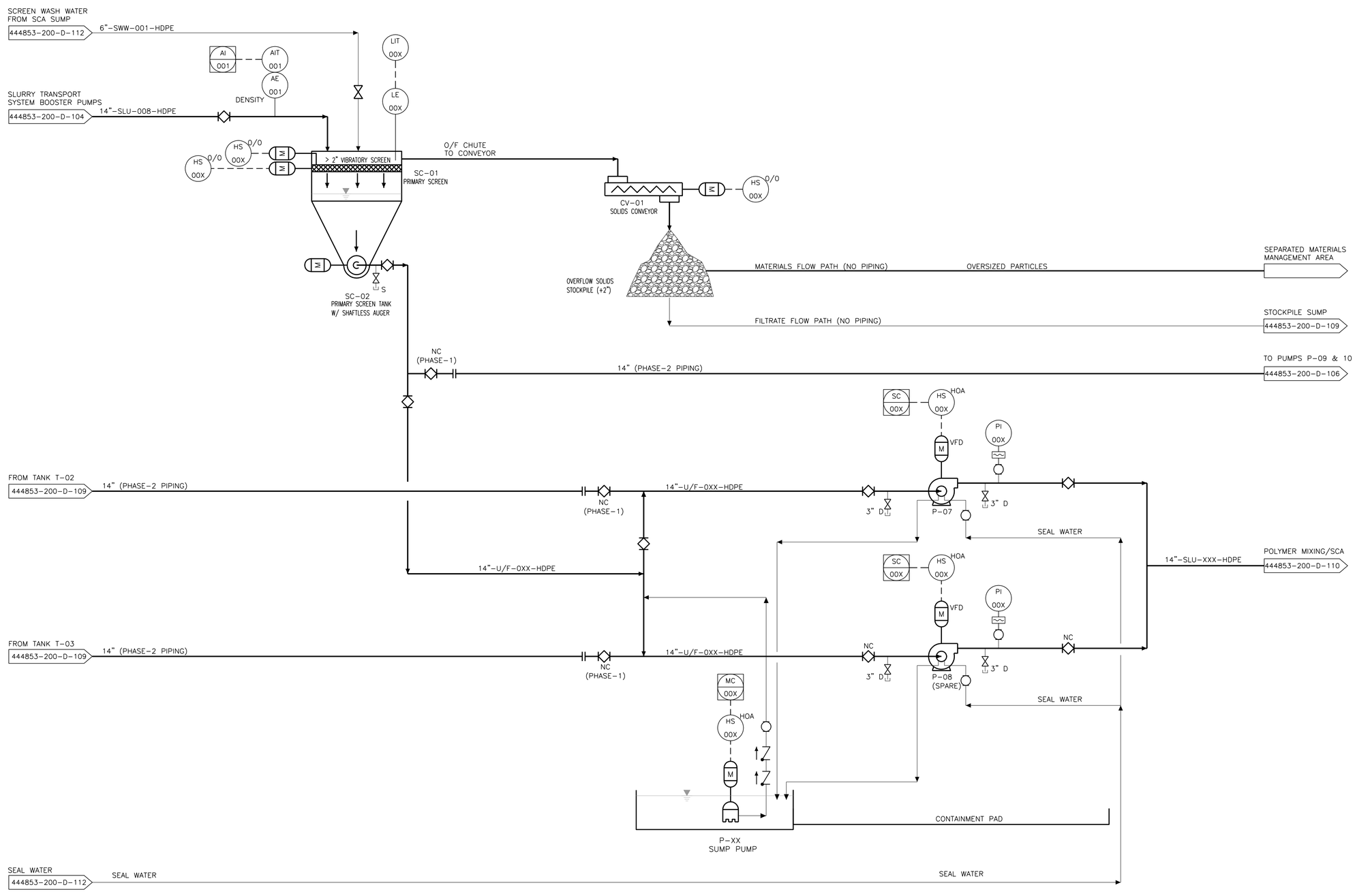

SC-01	SC-02	CV-01	P-XX	P-07, 08
PRIMARY SCREENS	PRIMARY SCREEN TANK W/ AUGER	SOLIDS CONVEYOR	SUMP PUMP XX	GEOTEXTILE TUBE FEED PUMPS 07 & 08
MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX
MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX
CAPACITY: XXX	CAPACITY: XXX GAL	CAPACITY: XXX	CAPACITY: XXX GPM @ XX' TDH	CAPACITY: 6000 GPM @ XX' TDH
SIZE: XXX	XX' DIA x X'	XX' DIA x X'	XXHP, XXV	XXHP, 460V, VFD
5HP, 2-VIBRATORY SCREEN MOTORS	15 HP, SHAFTLESS AUGER MOTOR	10 HP, CONVEYOR MOTOR		

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY JTS DATE 9/14/09
CHECKED BY DATE
APPROVED BY DATE
PROJECT MGR. DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP
OFFICE 301 PLAINFIELD ROAD SYRACUSE, NY 13212 (315) 451-9560
JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SLURRY PRECONDITIONING

SCALE NO SCALE
DRAWING NO. 444853-200-D-105
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 12:56 PM PLOTTED BY: SNALIA, JACK

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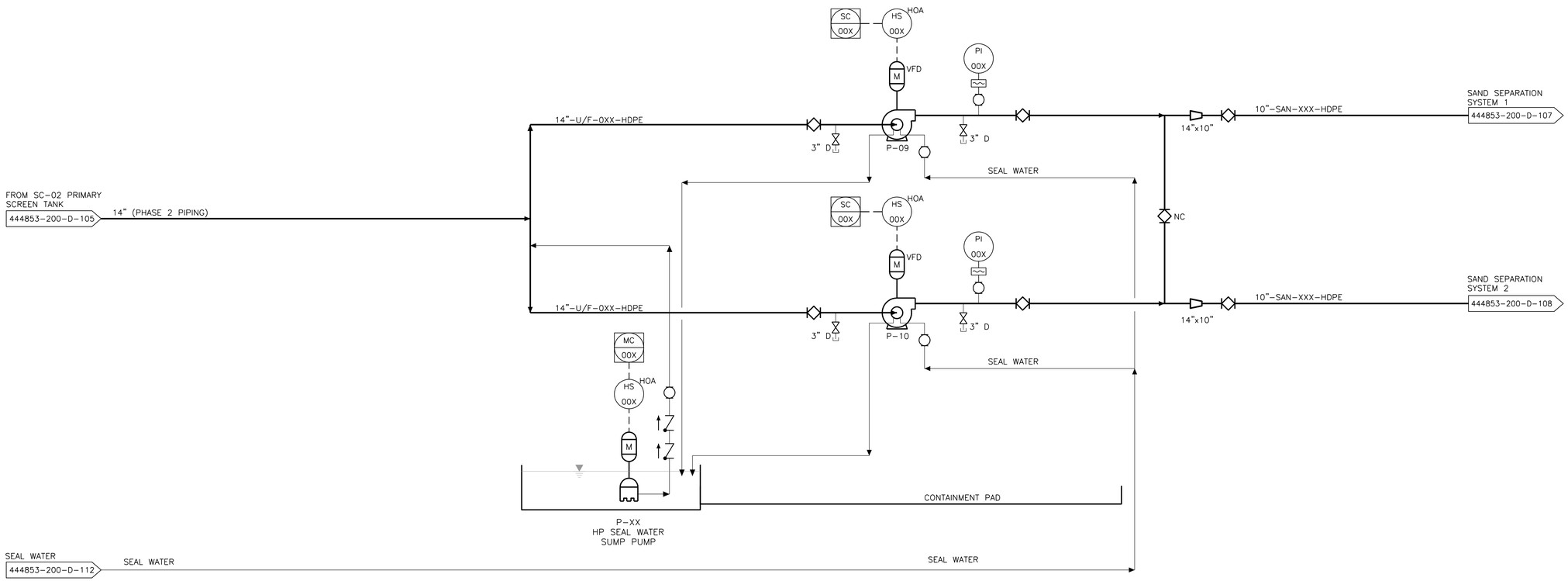

P-XX

SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
XXHP, XXV

P-09 & 10

SAND SEPARATION FEED PUMPS 09 & 10
MFR: XXX
MODEL: XXX
CAPACITY: XXX GPM @ XX' TDH
75 HP, 460V, VFD

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SLURRY PRECONDITIONING
PHASE 2

SCALE: NO SCALE

DRAWING NO. 444853-200-D-106 — REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 12:57 PM PLOTTED BY: SVALIA, JACK

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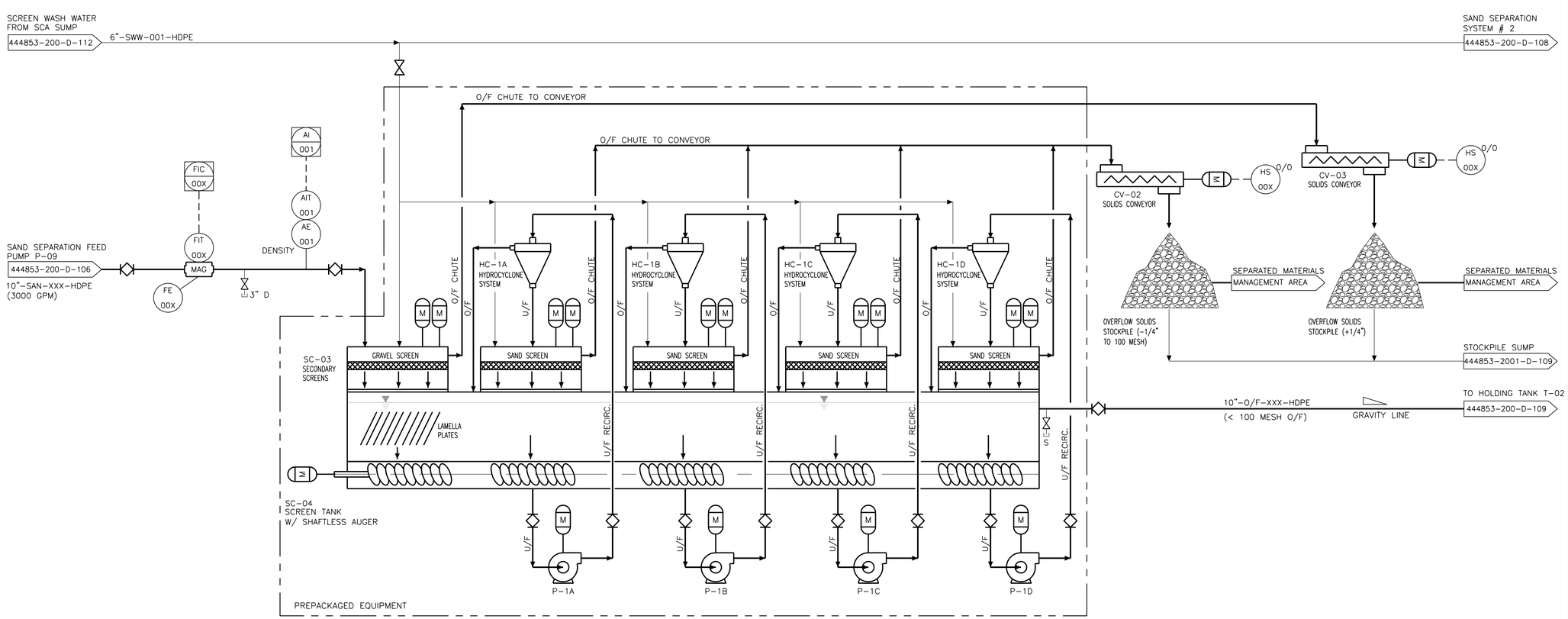

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SAND SEPARATION SYS. #1
PHASE 2

SCALE: NO SCALE

DRAWING NO. 444853-200-D-107 — REV. B

SC-03
SECONDARY SCREENS (5)
MFR: XXX
MODEL: XXX
CAPACITY: XXX
SIZE: XXX
5HP, 2-VIBRATORY SCREEN MOTORS EACH (10 MOTORS TOTAL)

SC-04
SCREEN TANK W/ AUGER
MFR: XXX
MODEL: XXX
CAPACITY: XXX GAL
XX' DIA x X'
10 HP, SHAFTLESS AUGER MOTOR

HC-1A, 1B, 1C, 1D
HYDROCYCLONE SYSTEMS 1A, 1B, 1C, 1D
MFR: XXX
MODEL: XXX
CAPACITY: XXX

P-1A, 1B, 1C & 1D
SC-04 RECIRC. PUMPS 1A, 1B, 1C, 1D
MFR: XXX
MODEL: XXX
CAPACITY: XX GPM @ XX' TDH
75 HP, 460V, VFD

CV-02 & 03
SOLIDS CONVEYORS 02, 03
MFR: XXX
MODEL: XXX
CAPACITY: XXX
XX' DIA x X'
10 HP, CONVEYOR MOTOR

NOT FOR CONSTRUCTION

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 12:57 PM PLOTTED BY: SIVALIA, JACK

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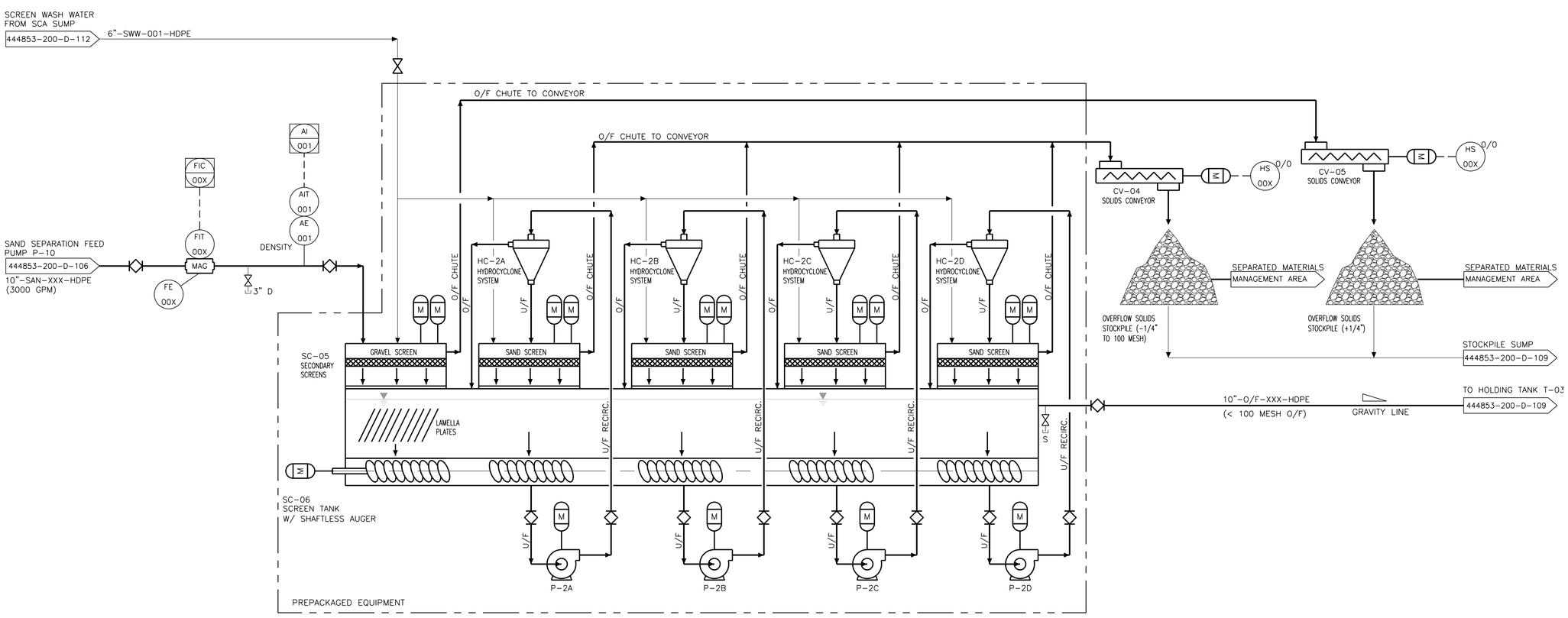

B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO
NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SAND SEPARATION SYS. #2
PHASE 2

SCALE: NO SCALE

DRAWING NO. 444853-200-D-108 — REV. B

SC-05
SECONDARY SCREENS (5)
MFR: XXX
MODEL: XXX
CAPACITY: XXX
SIZE: XXX
5HP, 2-VIBRATORY SCREEN MOTORS EACH (10 MOTORS TOTAL)

SC-06
SCREEN TANK W/ AUGER
MFR: XXX
MODEL: XXX
CAPACITY: XXX GAL
XX' DIA x X'
10 HP, SHAFTLESS AUGER MOTOR

HC-2A, 2B, 2C, 2D
HYDROCYCLONE SYSTEMS 2A, 2B, 2C, 2D
MFR: XXX
MODEL: XXX
CAPACITY: XXX

P-2A, 2B, 2C & 2D
SC-06 RECIRC. PUMPS 2A, 2B, 2C, 2D
MFR: XXX
MODEL: XXX
CAPACITY: XX GPM @ XX' TDH
75 HP, 460V, VFD

CV-04 & 05
SOLIDS CONVEYORS 04, 05
MFR: XXX
MODEL: XXX
CAPACITY: XXX
XX' DIA x X'
10 HP, CONVEYOR MOTOR

NOT FOR CONSTRUCTION

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 12:58 PM PLOTTED BY: SIVALIA, JACK

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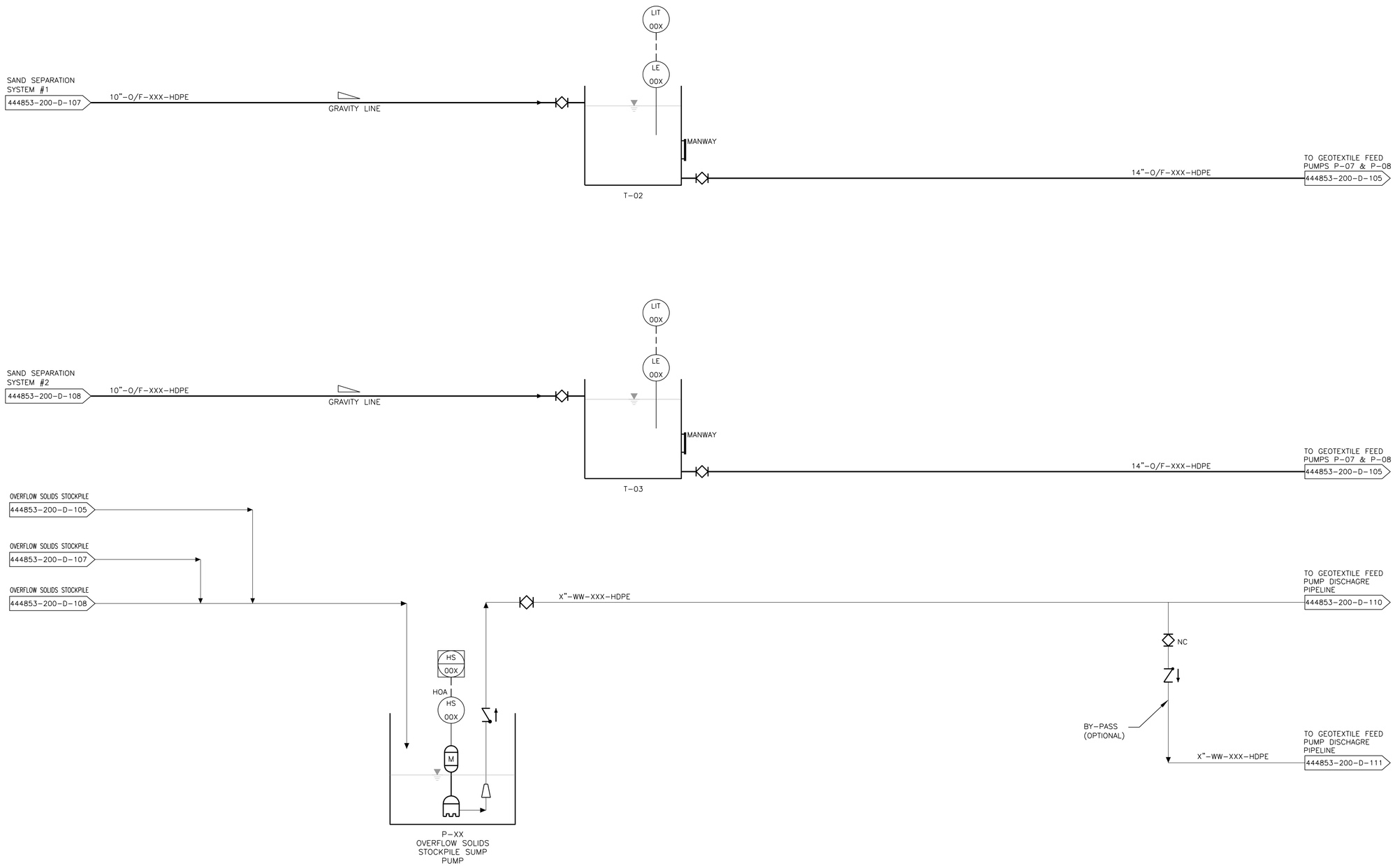

P-XX
OVERFLOW SOLIDS STOCKPILE SUMP PUMP XX
MFR: XXX
MODEL: XXX
CAPACITY: GPM @ XX' TDH
XXHP, XXV

T-02 & 03
SLURRY TANKS 02 & 03
MFR: XXX
MODEL: XXX
CAPACITY: 18,100 GAL
XX' DIA x X'

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SLURRY PRECONDITIONING
PHASE 2

SCALE: NO SCALE

DRAWING NO. 444853-200-D-109 — REV. B

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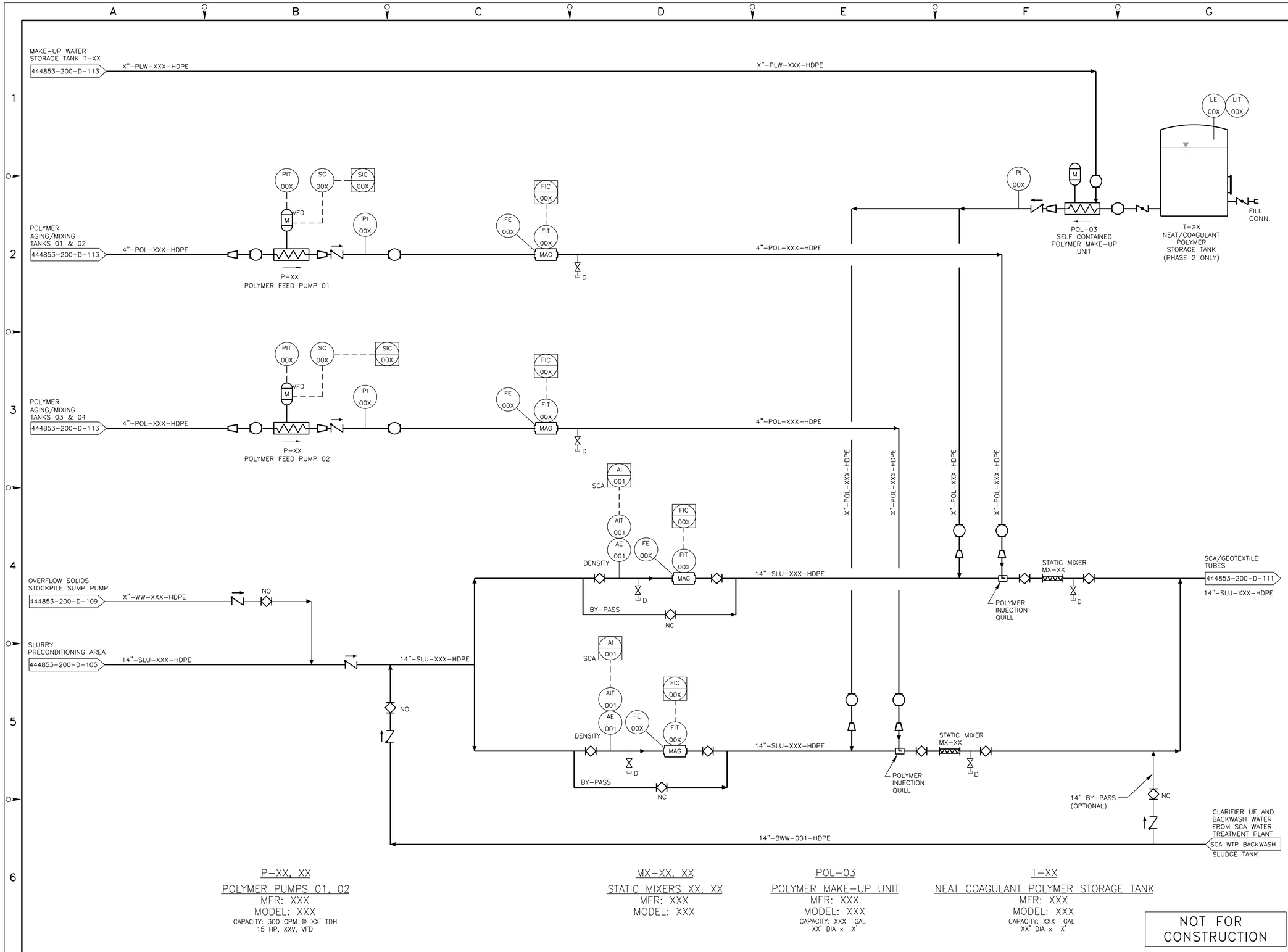

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY	JTS	DATE	9/14/09
CHECKED BY		DATE	
APPROVED BY		DATE	
PROJECT MGR.		DATE	

SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
POLYMER FEED SYSTEM

SCALE NO SCALE

DRAWING NO. 444853-200-D-110
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 4:17 PM PLOTTED BY: SVALIA, JACK

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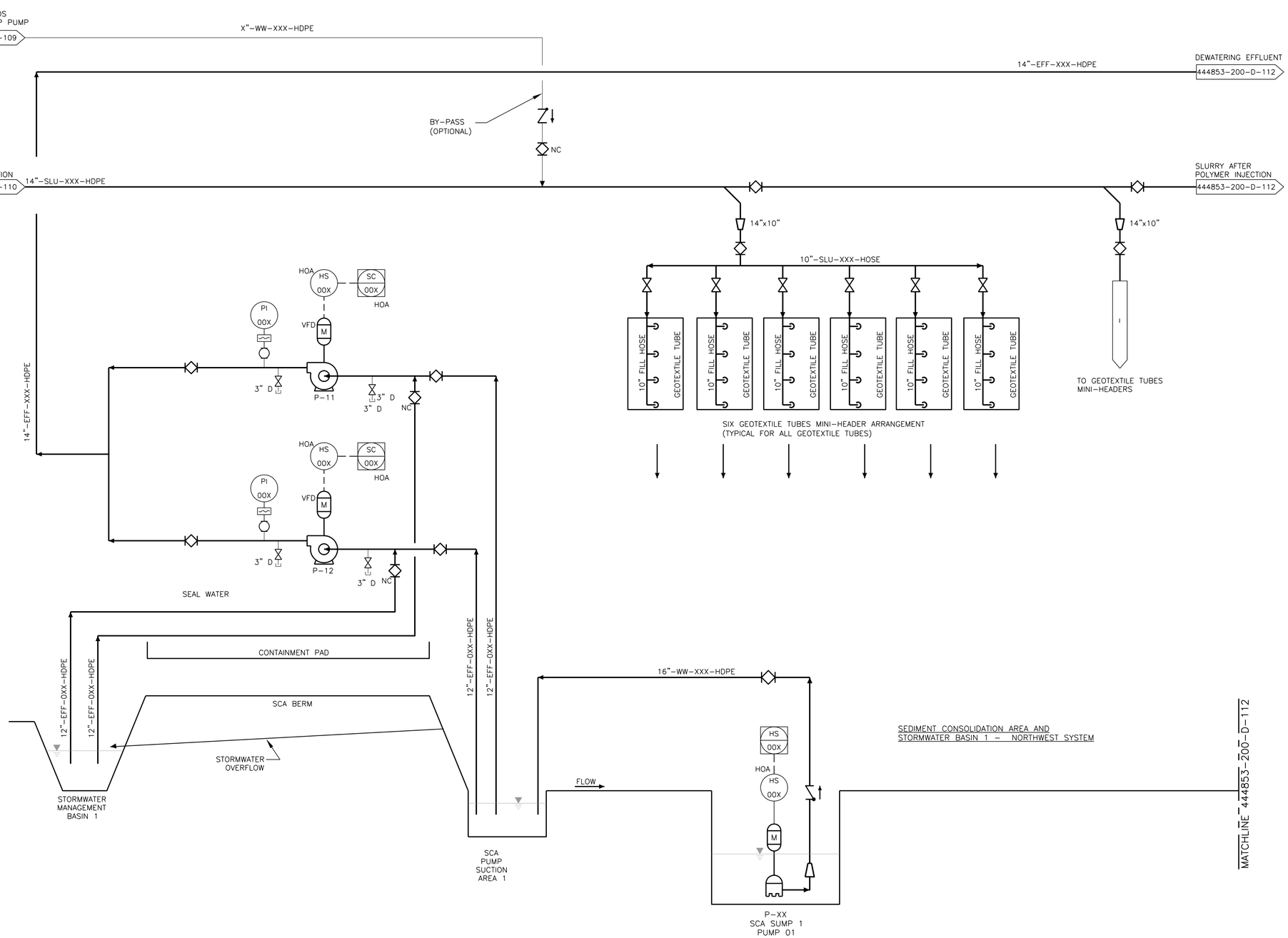

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS — DATE: 9/14/09
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SCA AND BASIN 1 - NORTHWEST

SCALE: NO SCALE

DRAWING NO. 444853-200-D-111 — REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 1:00 PM PLOTTED BY: SVALIA, JACK

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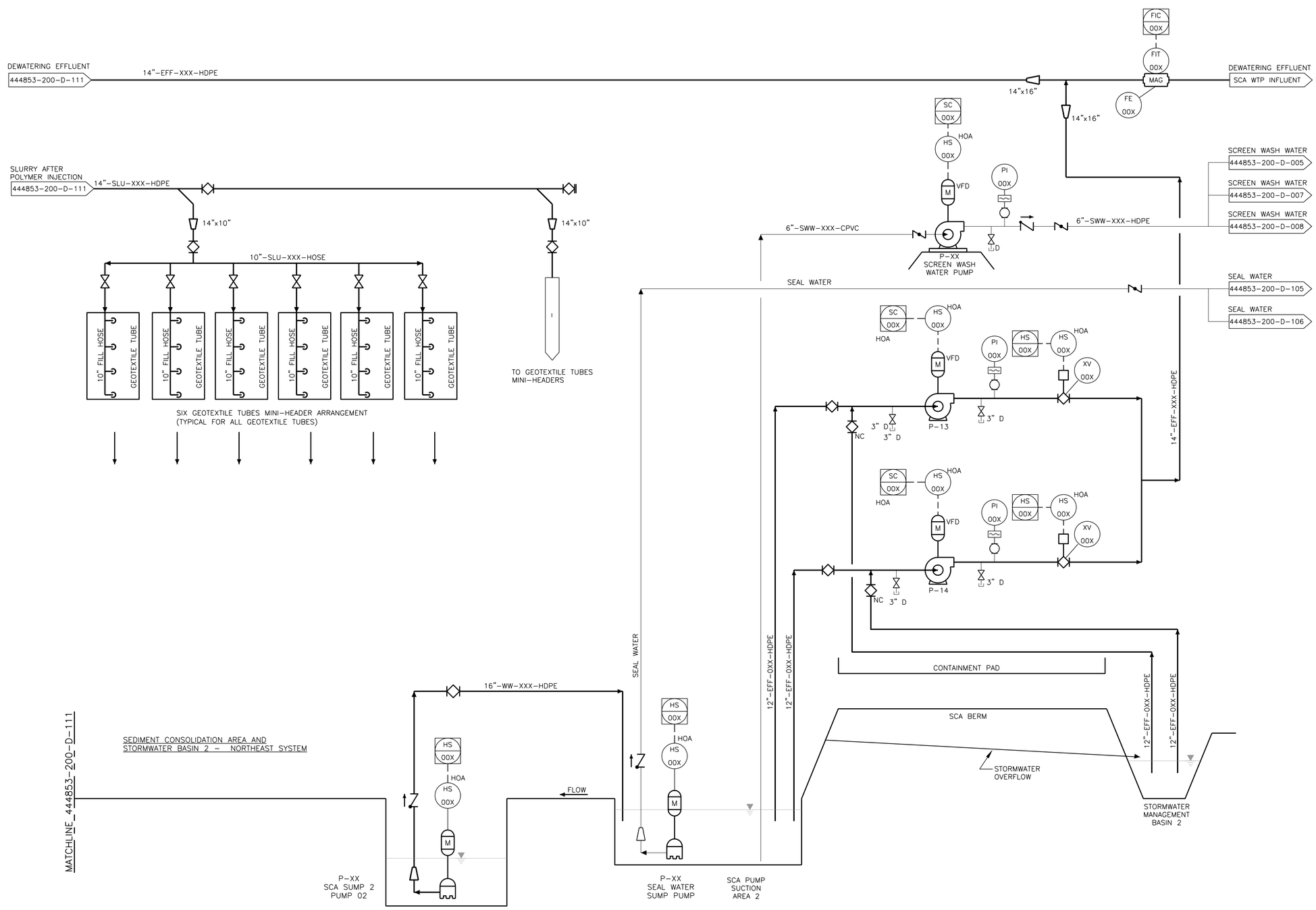

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	EWJ	MTO

DRAWN BY: JTS	DATE: 9/14/09
CHECKED BY	DATE
APPROVED BY	DATE
PROJECT MGR.	DATE

SEAL

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COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
SCA AND BASIN 2 - NORTHEAST

SCALE NO SCALE

DRAWING NO. 444853-200-D-112 REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 1:00 PM PLOTTED BY: SHALIA, JACK

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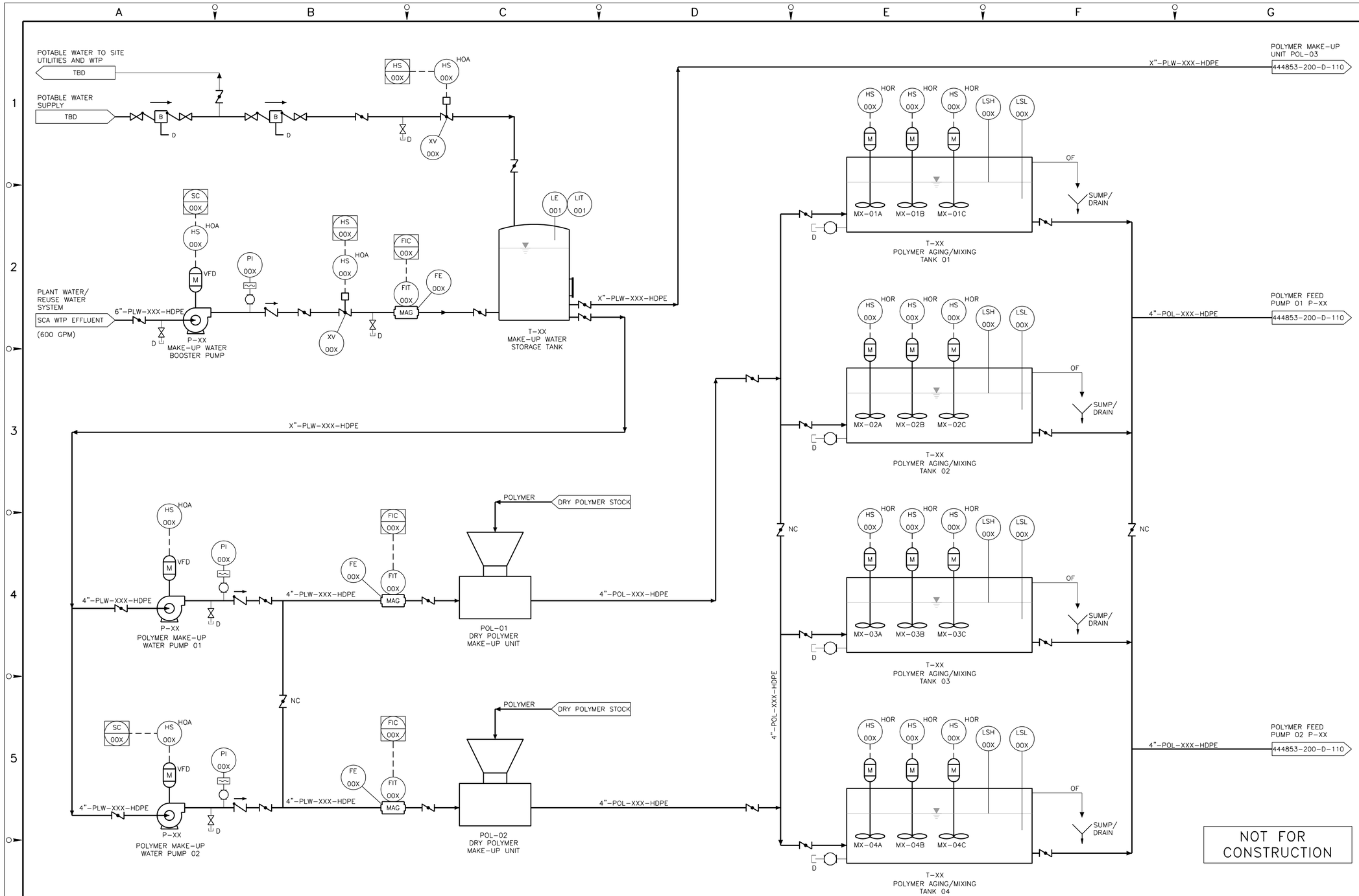

NOT FOR CONSTRUCTION

P-XX & XX POLYMER MAKE-UP WATER PUMPS 01 & 02	P-XX MAKE-UP WATER BOOSTER PUMP	POL-01 & 02 DRY POLYMER MAKE-UP UNIT	T-XX MAKE-UP WATER STORAGE TANK	T-XX, XX, XX & XX POLYMER AGING/MIXING TANKS 01, 02, 03 & 04	MX-01A,B,C POLYMER MIXERS	MX-02A,B,C POLYMER MIXERS	MX-03A,B,C POLYMER MIXERS	MX-04A,B,C POLYMER MIXERS
MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX	MFR: XXX
MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX	MODEL: XXX
CAPACITY: 300 GPM @ XX' TDH 15 HP, XXV, VFD	CAPACITY: 600 GPM @ XX' TDH 15 HP, XXV, VFD	CAPACITY: XXX GAL XX' DIA x X'	CAPACITY: 17,500 GAL XX' DIA x X'	CAPACITY: 17,500 GAL XX' DIA x X'	SIZE: XXX RPM XXHP, XXV,	SIZE: XXX RPM XXHP, XXV,	SIZE: XXX RPM XXHP, XXV,	SIZE: XXX RPM XXHP, XXV,

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	EWJ	MTO
A	NOT ISSUED				

DRAWN BY JTS	DATE 9/14/09	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY TRANSPORT SYSTEM P&ID
DRY POLYMER MIXING AND
MAKE-UP WATER

SCALE NO SCALE

DRAWING NO. 444853-200-D-113
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\PID\444853-200-D-102 TO D-112.DWG
PLOT DATE: 2/19/2010 4:19 PM PLOTTED BY: SVALIA, JACK

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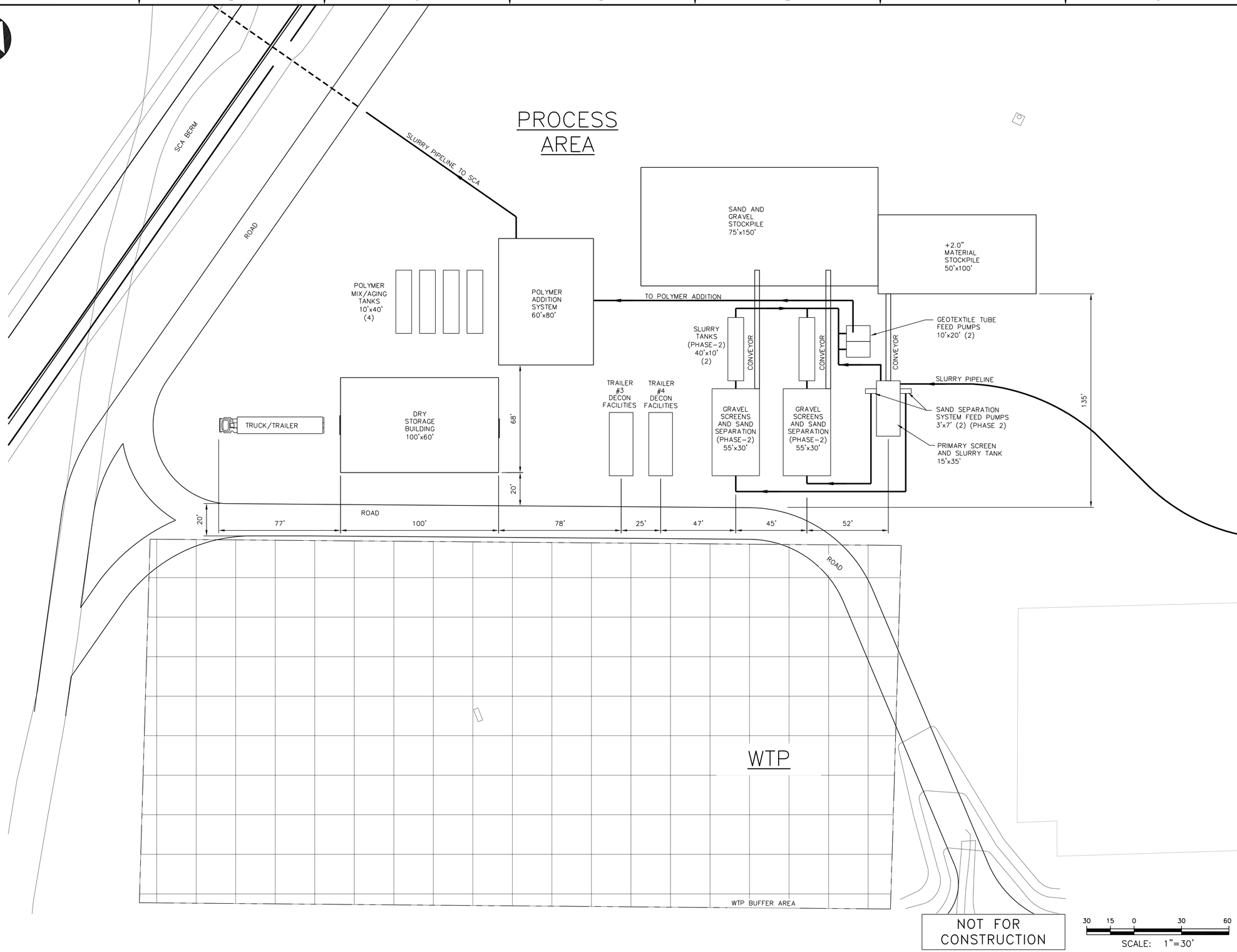

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	TCD	DDS
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY: JTS	DATE: 12/16/09	SEAL
CHECKED BY	DATE: –	
APPROVED BY	DATE: –	
PROJECT MGR.	DATE: –	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
PROCESS AREA PLAN

SCALE
SCALE 1"=30'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-200-M-001
REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\MECH\444853-200-M-001.DWG
PLOT DATE: 2/19/2010 1:07 PM PLOTTED BY: SVALVA, JACK

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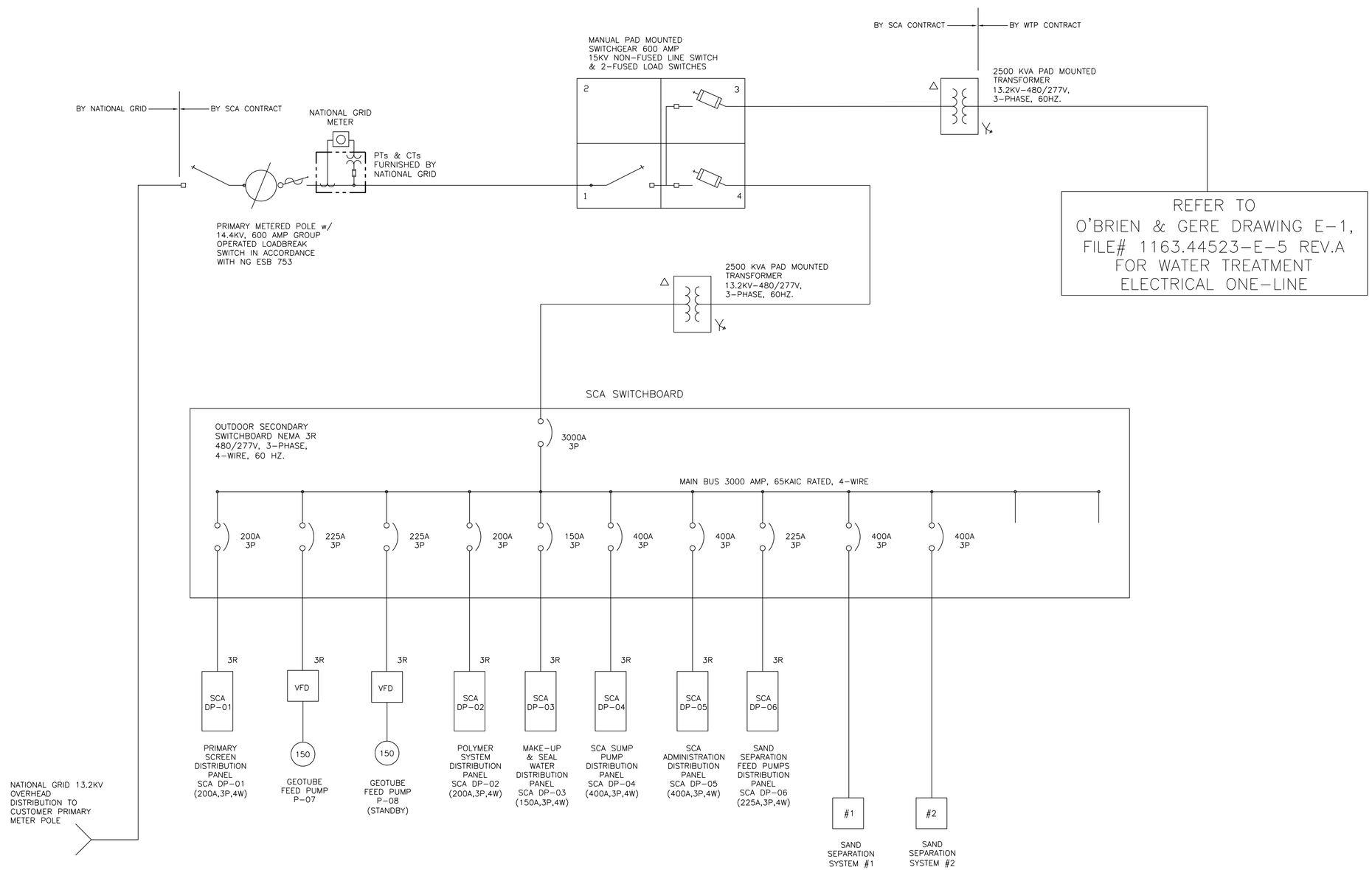

SCA ELECTRICAL ONE-LINE

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	WGS	EWJ	DDS
A	ISSUED FOR CLIENT REVIEW	01/20/10	WGS	EWJ	DDS

DRAWN BY: WGS — DATE: 01/18/10
CHECKED BY — DATE
APPROVED BY — DATE
PROJECT MGR. — DATE
SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP

OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560
JOB: 444853
WBS: 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
POWER DISTRIBUTION ONE-LINE DIAGRAM

SCALE: NO SCALE

DRAWING NO. 444853-200-E-001 — REV. B

FILE NAME: P:\HONEYWELL -SYR\444853 - LAKE DETAIL DESIGN\10 TECHNICAL CATEGORIES\10.1 CAD\DESIGN_TASK 200 SED-MGMT DESIGN\ELEC\444853-200-E-001.DWG
PLOT DATE: 2/19/2010 1:03 PM PLOTTED BY: SVALIA, JACK

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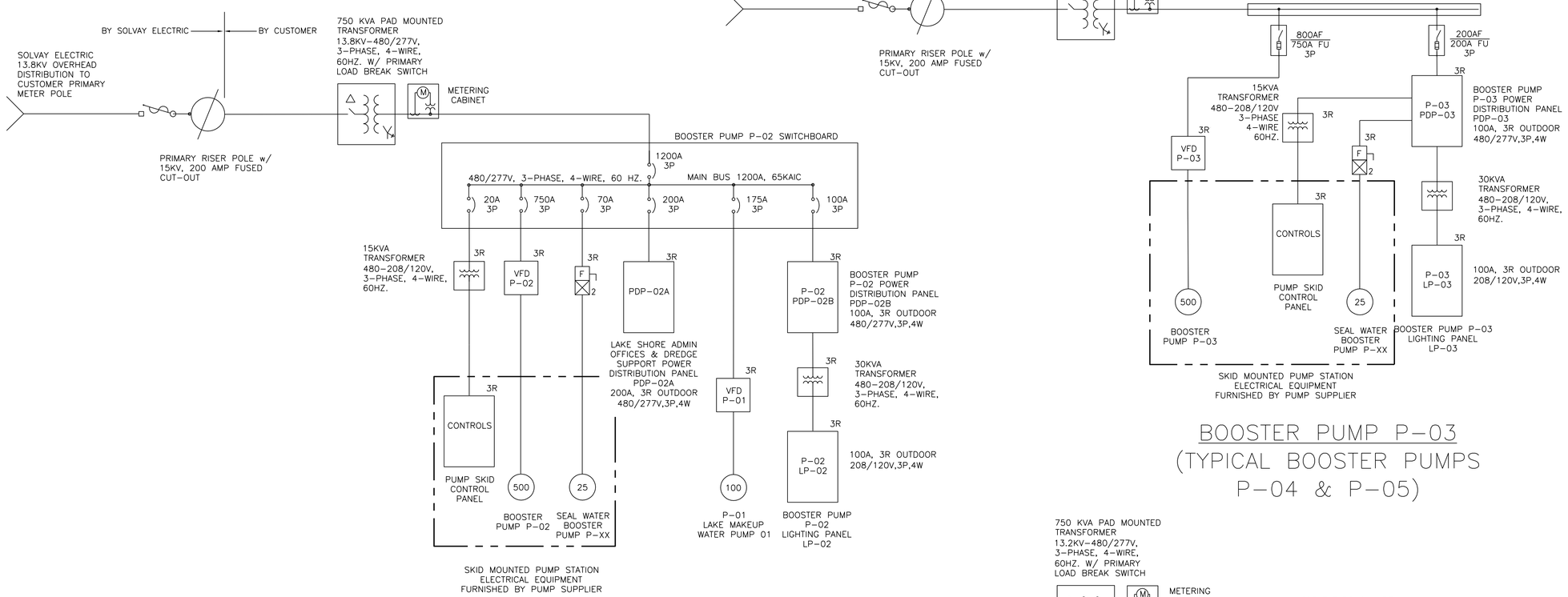

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PROJECT MGR.		DATE	

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PARSONS
COMMERCIAL TECHNOLOGY GROUP

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JOB 444853
WBS 04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
BOOSTER PUMP STATIONS
ONE-LINE DIAGRAMS

SCALE NO SCALE

DRAWING NO. 444853-200-E-002 REV. B

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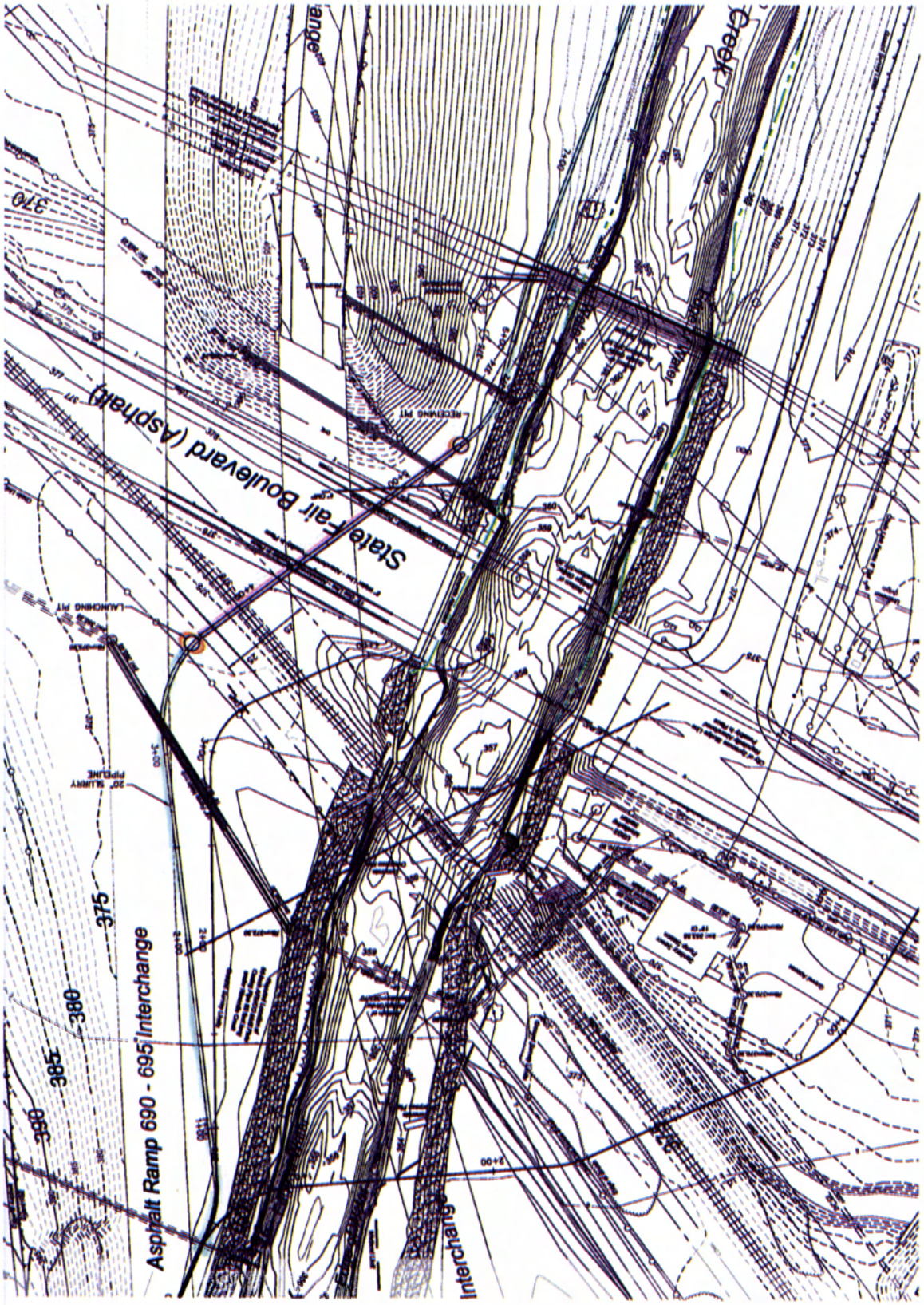
Asphalt Ramp 690 - 695 Interchange
State Fair Boulevard (Asphalt)
Interchange
Creek
RECEIVING PIT
LAUNCHING PIT
20" SLURRY PIPELINE
375
380
385
390
370