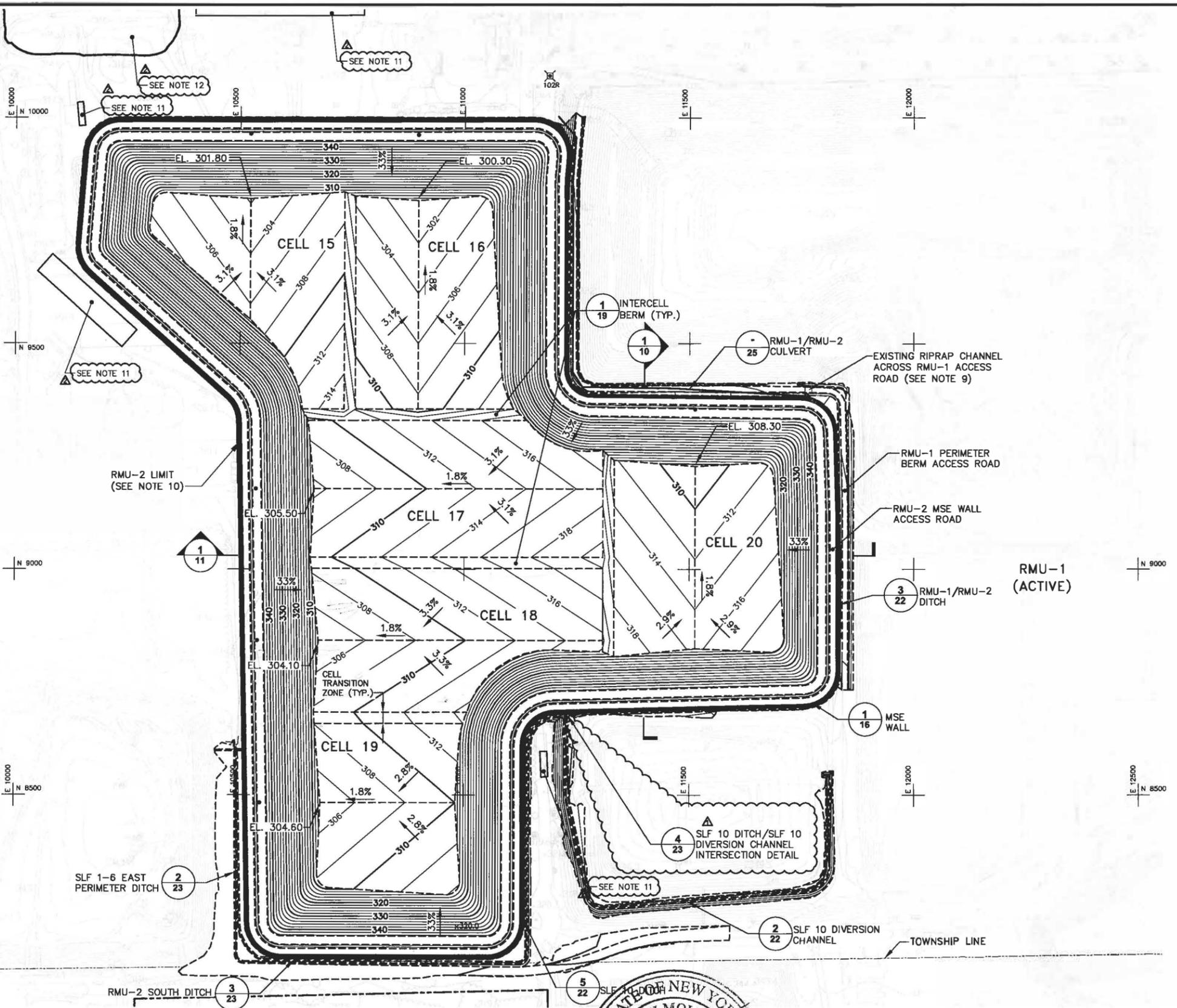


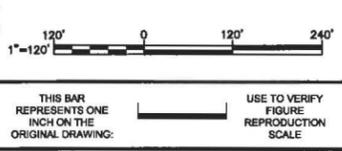
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 PROJECTNAME: 1
 SHEETS: 23725G02 23725G01 23725G00 23725G05



LEGEND:

- APPROXIMATE PROPERTY LINE
- 310— PROPOSED INDEX ELEVATION CONTOUR
- 30B— PROPOSED INTERMEDIATE ELEVATION CONTOUR
- - - - - PROPOSED GRADE BREAK
- PROPOSED LEACHATE RISER VAULT
- x320.0 PROPOSED SPOT ELEVATION
- LP PROPOSED LOW POINT
- 200' PERMANENT CONTROL MONUMENT
- E 12500 N 10000 COORDINATE GRID
- 4 13 DETAIL REFERENCE NUMBER
- 1 10 SECTION REFERENCE

- NOTES:**
1. REFER TO DRAWING NO. 2 FOR ADDITIONAL BASE MAP INFORMATION.
 2. PROPOSED GRADES INSIDE PERIMETER MSE WALL ARE TOP OF FINISHED SUBGRADE (BOTTOM OF LINER SYSTEM) AFTER PROOF ROLLING. PROPOSED GRADES SHOWN FOR MSE WALL AND AREA BEYOND WALL ARE FINAL GRADES.
 3. TOPSOIL, GENERAL FILL AND CLAY WITHIN THE CONSTRUCTION AREA WILL BE STRIPPED AND STOCKPILED IN AREAS DETERMINED BY CWM.
 4. SURFACE DRAINAGE SHALL BE DIRECTED AROUND EXCAVATIONS. SURFACE WATER SHALL BE PUMPED TO ADJACENT DRAINAGE DITCHES AND ROUTED TO EXISTING STORMWATER RETENTION BASINS DURING CONSTRUCTION.
 5. CELL TRANSITION ZONES ALLOW FOR GRADE TRANSITIONS BETWEEN INDICATED CELLS.
 6. PROPOSED SPOT ELEVATIONS AT CELL LOW POINTS REPRESENT GENERAL FLOOR SUBGRADE ELEVATIONS AND DO NOT REPRESENT SUMP SUBGRADES. ADDITIONAL EXCAVATION IS REQUIRED BELOW GRADES SHOWN ON THIS DRAWING AT EACH CELL SUMP LOCATION. SEE DRAWING NOS. 12, 13, AND 14 FOR ADDITIONAL INFORMATION. PRIOR TO SUMP EXCAVATION, THE POTENTIAL FOR UPLIFT WILL BE IDENTIFIED BY THE PROTOCOL OUTLINED IN THE RMU-2 CONSTRUCTION QUALITY ASSURANCE MANUAL. APPROPRIATE CONDITIONS WILL EXIST PRIOR TO SUMP EXCAVATIONS.
 7. RELOCATE OR ABANDON UTILITIES PER PROJECT SPECIFICATIONS AND WITH AUTHORIZATION OF OWNER.
 8. DEMOLISH EXISTING FACILITIES (e.g., BUILDING STRUCTURES, FOUNDATIONS) WITHIN LIMITS OF LANDFILL PER PROJECT SPECIFICATIONS AND WITH AUTHORIZATION OF OWNER.
 9. EXISTING RIPRAP CHANNEL ACROSS ACCESS ROAD CONVEYS RUNOFF FROM RMU-1 PERIMETER CHANNEL TO NEW RMU-1/RMU-2 PERIMETER CHANNEL.
 10. RMU-2 LIMIT REPRESENTS TOE OF PERIMETER MSE WALL.
 11. REFER TO DRAWINGS IN ATTACHMENT D-1 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
 12. REFER TO DRAWINGS IN ATTACHMENT D-2 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
 13. REFER TO SPECIFICATION SECTION 02402 FOR REQUIREMENTS FOR LEAK LOCATION SURVEYING.



No.	Date	Revisions	By	Ckd
2	2/2013	REVISED CALLOUTS AND NOTES	GNG	BMS
1	1/2012	ADDITIONAL CALLOUT	NWF	BMS

Professional Engineer's Name
JOSEPH MOLINA
Professional Engineer's No.
072644

State: NY Date Signed: 2/27/13 Project: WAR
Designed by: SJK Drawn by: SJK Checked by: BMS

ARCADIS
ARCADIS OF NEW YORK, INC.



CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK
RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING

SUBGRADE GRADES

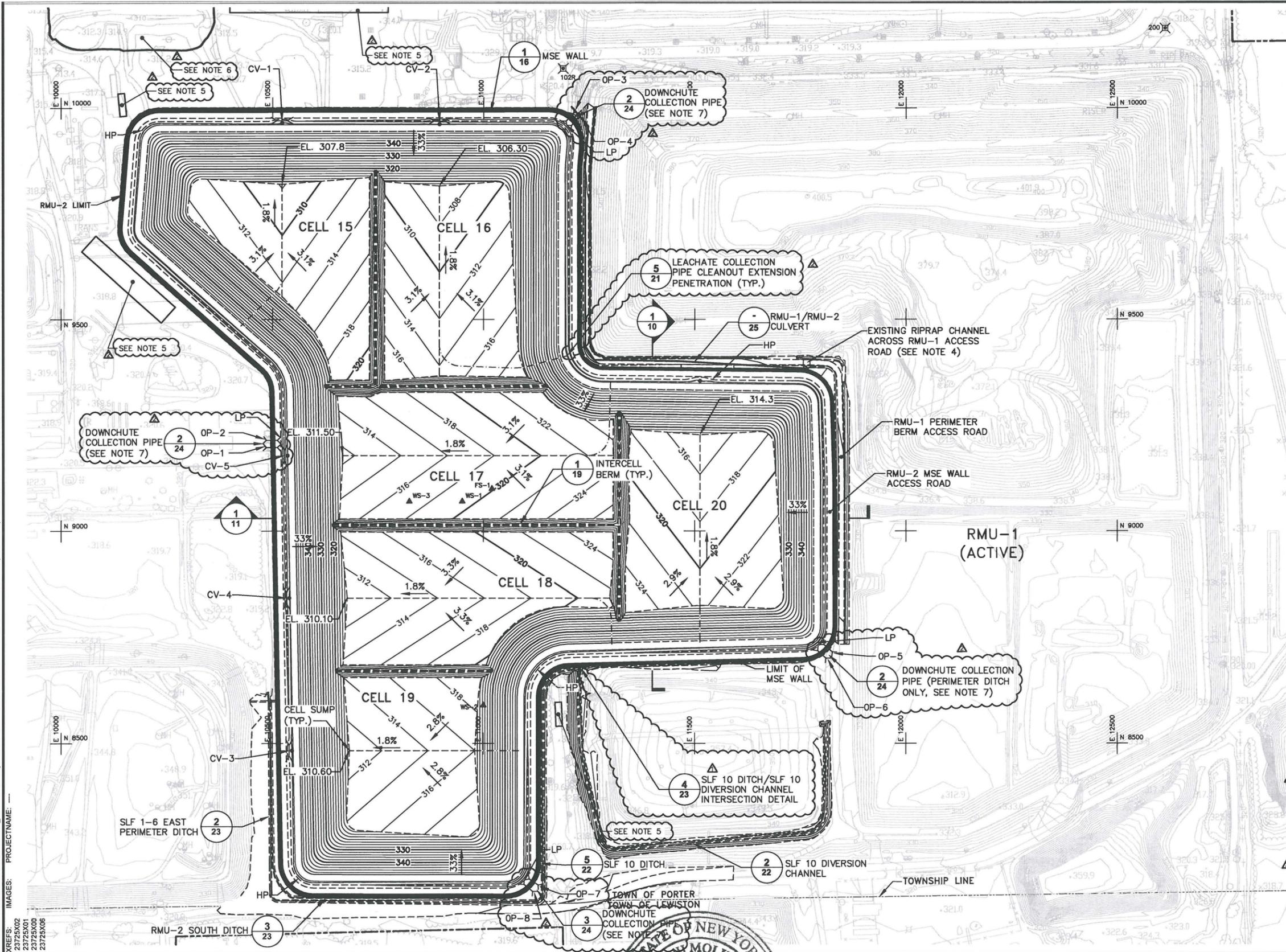
GENERAL

ARCADIS Project No.
B0023725.2009.00006

Date
AUGUST 2009

ARCADIS of New York, Inc.
8723 Tonawanda Road
P.O. Box 88
Syracuse, New York
TEL. 315.446.9120

CITY, SYRACUSE, DIV/GRP: EN/CAD, DB: K. DAVIS, L. FORAKER, K. DAVIS, LD: PIC: W. POPHAM, PM: W. RANKIN, TM: B. STONE, LYR: ON*OFF-REF-
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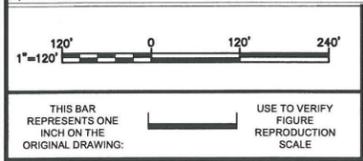


LEGEND:

- APPROXIMATE PROPERTY LINE
- 310--- PROPOSED INDEX ELEVATION CONTOUR
- 308--- PROPOSED INTERMEDIATE ELEVATION CONTOUR
- PROPOSED GRADE BREAK
- LEACHATE COLLECTION PIPE CLEANOUT
- PROPOSED LEACHATE RISER VAULT
- CV-1 PROPOSED PERIMETER DITCH CULVERT AND ID (1/23)
- OP-3 PROPOSED PERIMETER DITCH CULVERT AND ID (1/24)
- x 320.0 PROPOSED SPOT ELEVATION
- LP PROPOSED PERIMETER DITCH LOW POINT
- HP PROPOSED PERIMETER DITCH HIGH POINT
- ▲ FS-1 EXAMPLE FLOOR SETTLEMENT CALCULATION POINT
- ▲ WS-1 EXAMPLE WASTE SETTLEMENT CALCULATION POINT
- 200' PERMANENT CONTROL MONUMENT
- E 12500 N 10000 COORDINATE GRID
- 2 14 DETAIL REFERENCE NUMBER
- 1 10 SECTION REFERENCE

NOTES:

1. REFER TO DRAWING NO. 2 FOR ADDITIONAL BASE MAP INFORMATION.
2. PROPOSED GRADES INSIDE OF PERIMETER DITCH REPRESENT TOP OF OPERATIONS LAYER, PROPOSED GRADES WITHIN AND OUTSIDE OF PERIMETER DITCH REPRESENT FINAL GRADE.
3. ACCESS ROADS TO BE CONSTRUCTED UP TO TOP OF MSE WALL AND OVER CELL SEPARATION BERM LOCATIONS AS NEEDED.
4. EXISTING RIPRAP CHANNEL ACROSS RMU-1 PERIMETER BERM ACCESS ROAD CONVEYS RUNOFF FROM RMU-1 PERIMETER CHANNEL TO NEW RMU-1/RMU-2 PERIMETER CHANNEL.
5. REFER TO DRAWINGS IN ATTACHMENT D-1 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
6. REFER TO DRAWINGS IN ATTACHMENT D-2 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
7. PERIMETER DITCH OUTLET PIPES AND PORTION OF CENTRAL DOWNCHUTE PIPE THAT IS WITHIN MSE WALL TO BE INSTALLED CONCURRENT WITH MSE WALL CONSTRUCTION.
8. LEACHATE COLLECTION PIPE CLEANOUT EXTENSION BEGINS AT UPSTREAM END OF LEACHATE COLLECTION PIPE. CHANGES IN HORIZONTAL ALIGNMENT ARE MADE USING 11.25-DEGREE ELBOWS AS NECESSARY. IF MORE THAN ONE ELBOW IS NEEDED, SUCCESSIVE ELBOWS ARE SPACED A MINIMUM OF 10-FT APART. AT THE INTERSECTION OF THE CELL SIDESLOPE AND FLOOR, A SINGLE 18.4-DEGREE ELBOW IS USED TO ACCOMMODATE CHANGE IN VERTICAL ALIGNMENT.



No.	Date	Revisions	By	Ckd
1	10/2013	REVISED LEACHATE COLLECTION PIPE CLEANOUTS, ADDED NOTE 8	PTO	BMS
2	2/2013	REVISED CALLOUTS AND NOTES	GNG	BMS
3	1/2012	ADDITIONAL CALLOUT	NWF	BMS

Professional Engineer's Name
JOSEPH MOLINA
Professional Engineer's No.
072644

State: NY Date Signed: Project Mgr: WAR
Checked by: BMS

Designed by: BMS/PTO Drawn by: SJK

ARCADIS OF NEW YORK, INC.



CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK
RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING

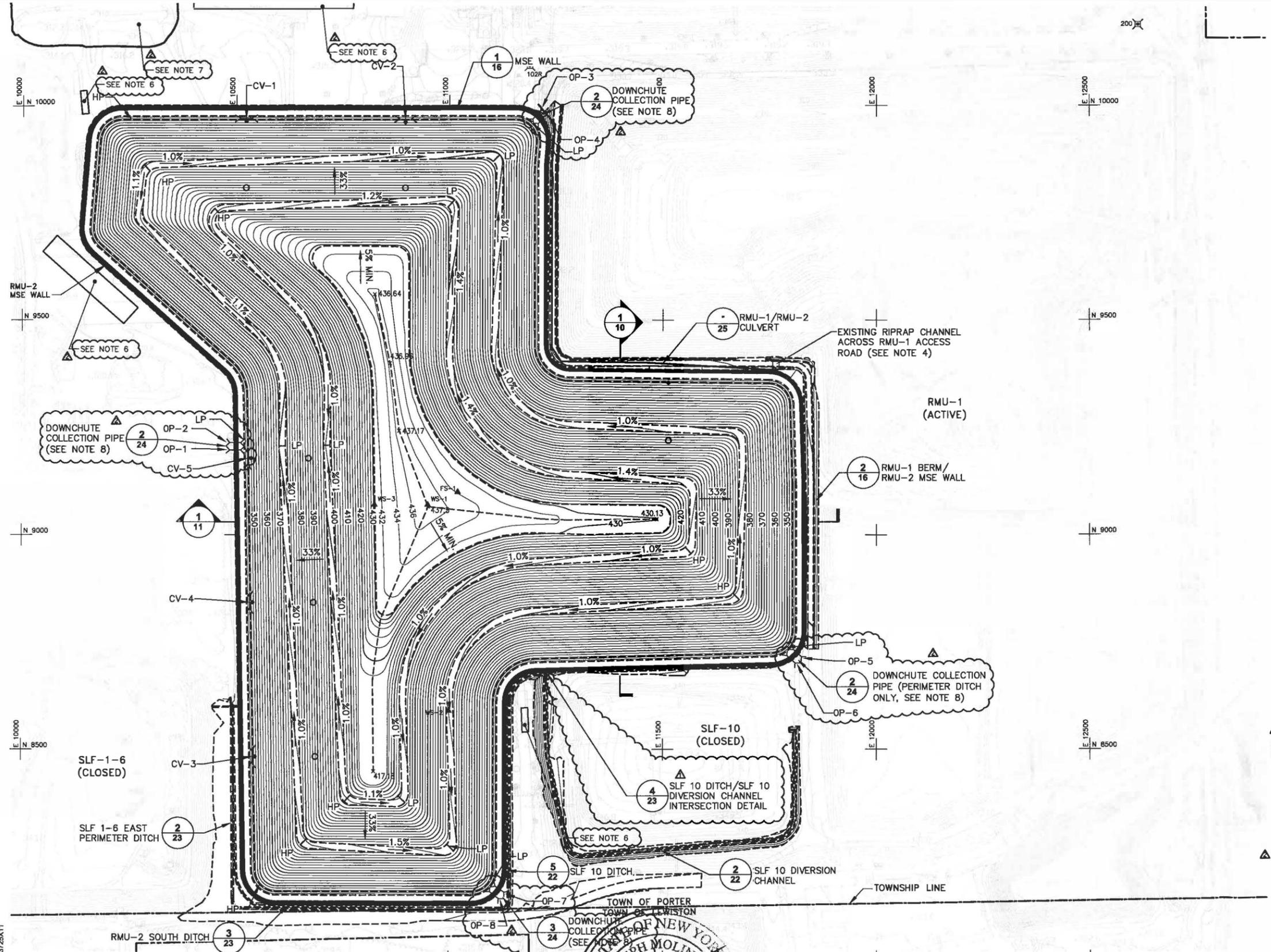
TOP OF OPERATIONS LAYER GRADES

ARCADIS Project No. B0023725.2009.00006
Date: AUGUST 2009
ARCADIS of New York, Inc.
6723 Towpath Road
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5

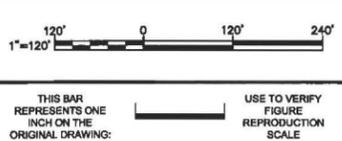
GENERAL

CITY: SYRACUSE DIV:GROUP: ENVCAD DB: K. DAVIS L. FORAKER K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LYN: ONI-OFF-REF
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 PROJECTNAME: ---
 XREFS: 237252002 237252001 237252000 237252011



- LEGEND:**
- APPROXIMATE PROPERTY LINE
 - 310— PROPOSED INDEX ELEVATION CONTOUR
 - 428— PROPOSED INTERMEDIATE ELEVATION CONTOUR
 - - - - PROPOSED GRADE BREAK
 - PROPOSED RISER MANHOLE (2/13)
 - PROPOSED LEACHATE RISER VAULT
 - CV-1 PROPOSED CULVERT AND ID (1/23)
 - OP-3 PROPOSED PERIMETER DITCH CULVERT AND ID (1/24)
 - x320.0 PROPOSED SPOT ELEVATION
 - LP PROPOSED PERIMETER DITCH LOW POINT
 - HP PROPOSED PERIMETER DITCH HIGH POINT
 - ▲FS-1 EXAMPLE FLOOR SETTLEMENT CALCULATION POINT
 - 200' PERMANENT CONTROL MONUMENT
 - COORDINATE GRID
 - 2/14 DETAIL REFERENCE NUMBER
 - 1/10 SECTION REFERENCE

- NOTES:**
1. REFER TO DRAWING NO. 2 FOR ADDITIONAL BASE MAP INFORMATION.
 2. PROPOSED GRADES SHOWN INSIDE OF PERIMETER DITCH ARE TOP OF WASTE GRADES. PROPOSED GRADES WITHIN AND OUTSIDE PERIMETER DITCH ARE FINAL GRADES.
 3. MSE WALL ACCESS RAMPS TO BE DESIGNED/CONSTRUCTED AS NEEDED DURING LANDFILL OPERATION.
 4. EXISTING RIPRAP CHANNEL ACROSS RMU-1 PERIMETER BERM ACCESS ROAD CONVEYS RUNOFF FROM RMU-1 PERIMETER CHANNEL TO NEW RMU-1/RMU-2 PERIMETER CHANNEL.
 5. PROPOSED TOP OF WASTE GRADES DO NOT REFLECT LOCAL GRADING PROXIMATE TO PIPE DOWNCHUTES. PROPOSED TOP OF WASTE GRADES DO NOT REFLECT EXISTENCE OF INFILTRATION CHANNEL AT LANDFILL PERIMETER.
 6. REFER TO DRAWINGS IN ATTACHMENT D-1 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
 7. REFER TO DRAWINGS IN ATTACHMENT D-2 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
 8. PERIMETER DITCH OUTLET PIPES AND PORTION OF CENTRAL DOWNCHUTE PIPE THAT IS WITHIN MSE WALL TO BE INSTALLED CONCURRENT WITH MSE WALL CONSTRUCTION.

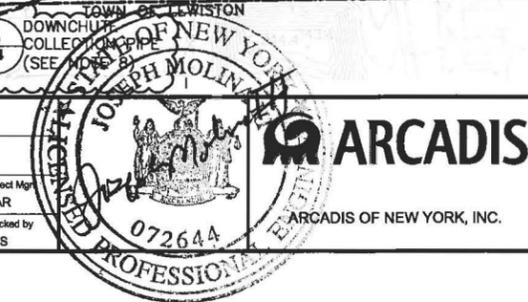


No.	Date	Revisions	By	Ckd
1	2/2013	REVISED CALLOUTS AND NOTES	GNG	BMS
2	1/2012	ADDITIONAL CALLOUT	NWF	BMS

Professional Engineer's Name
JOSEPH MOLINA
 Professional Engineer's No.
 072644

Date Signed: 2/27/13
 Project Mgr: WAR
 Drawn by: SJK
 Checked by: BMS

State: NY
 Designed by: BMS/PTO



CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK
 RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING

TOP OF WASTE GRADES

GENERAL

ARCADIS Project No.
 B0023725.2009.00006
 Date
 AUGUST 2009
 ARCADIS of New York, Inc.
 6723 Towpath Road
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 Syracuse, New York
 TEL. 315.448.9120