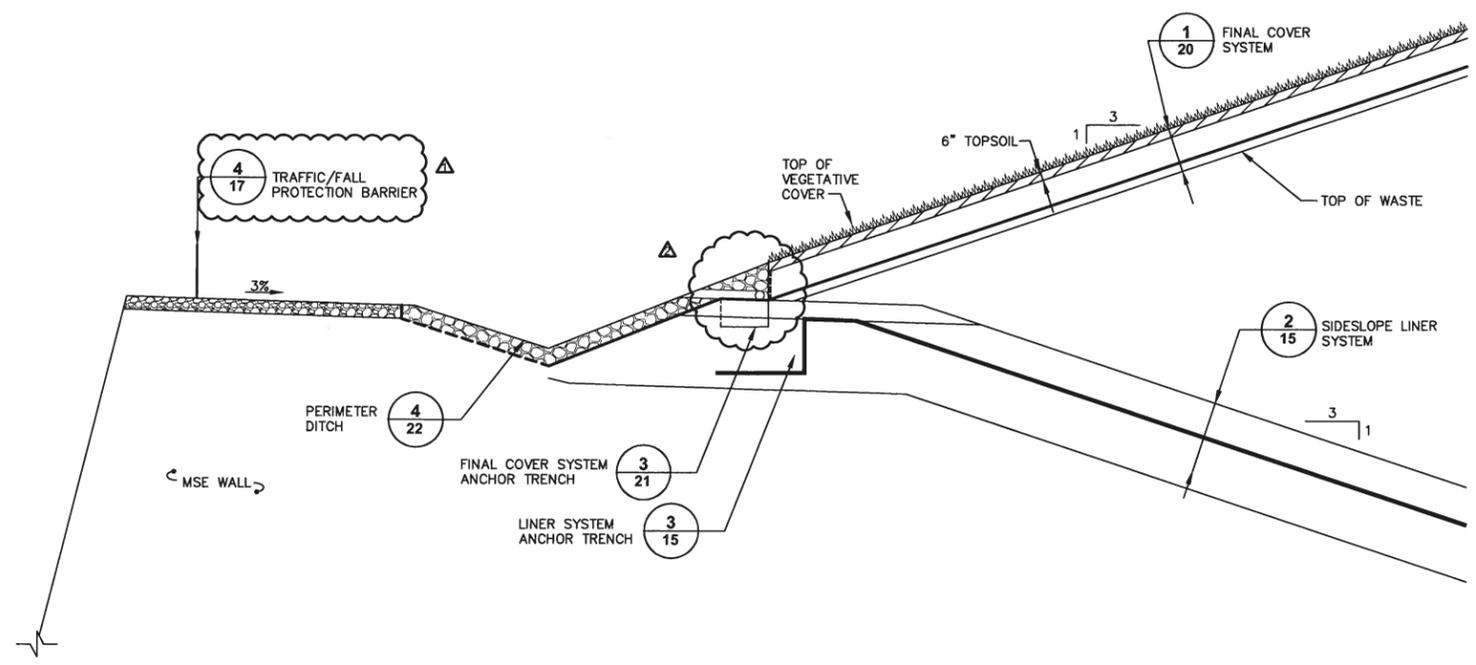
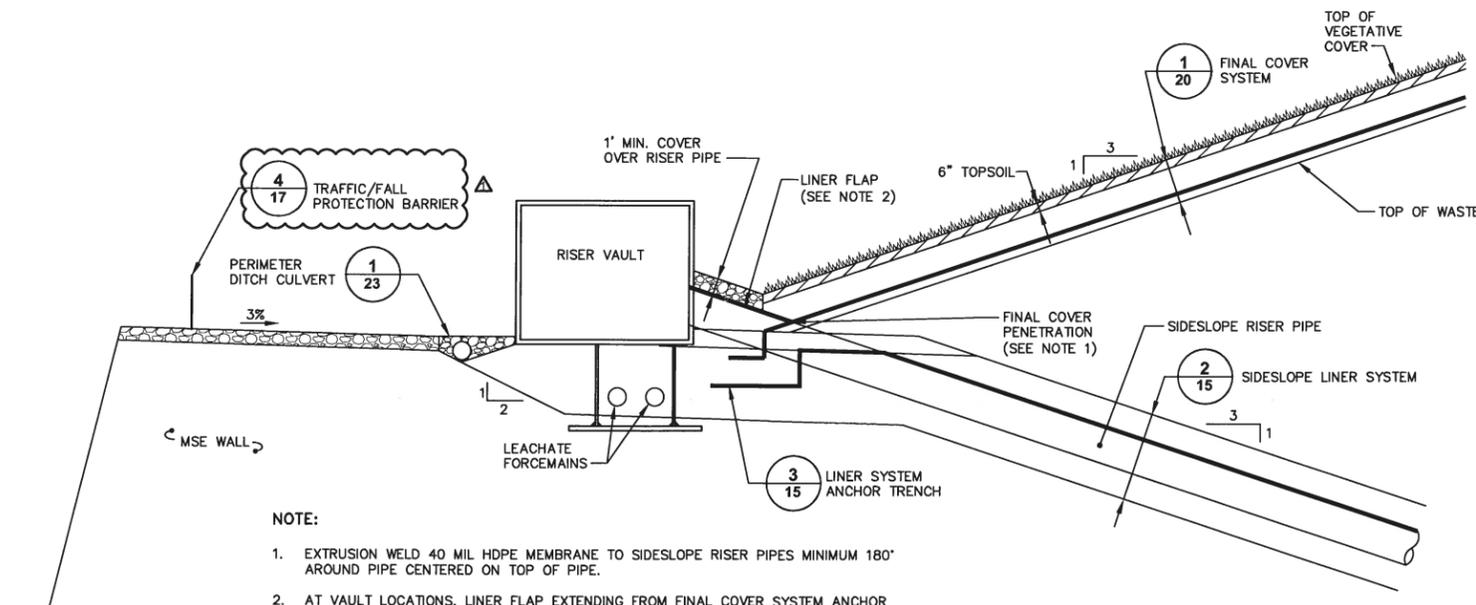


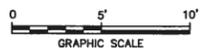
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 VIEWS: 23725X00



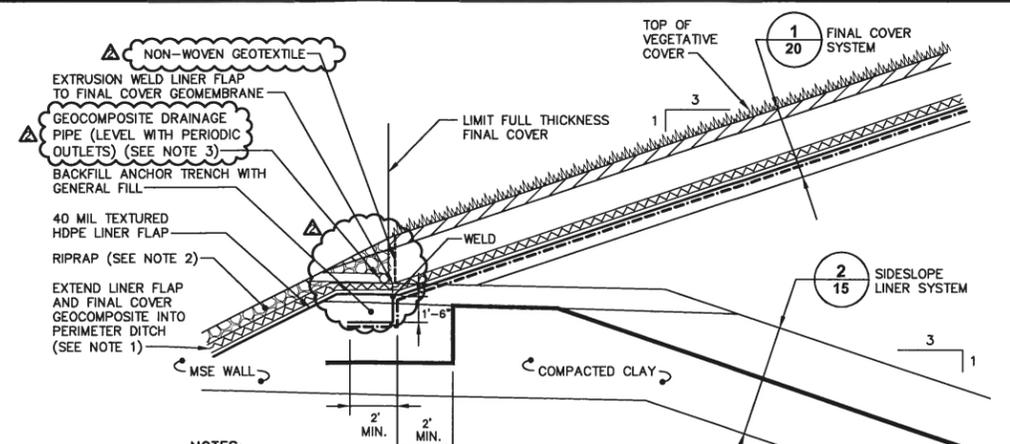
TYPICAL FINAL COVER TERMINATION 1



FINAL COVER TERMINATION AT RISER VAULT 2



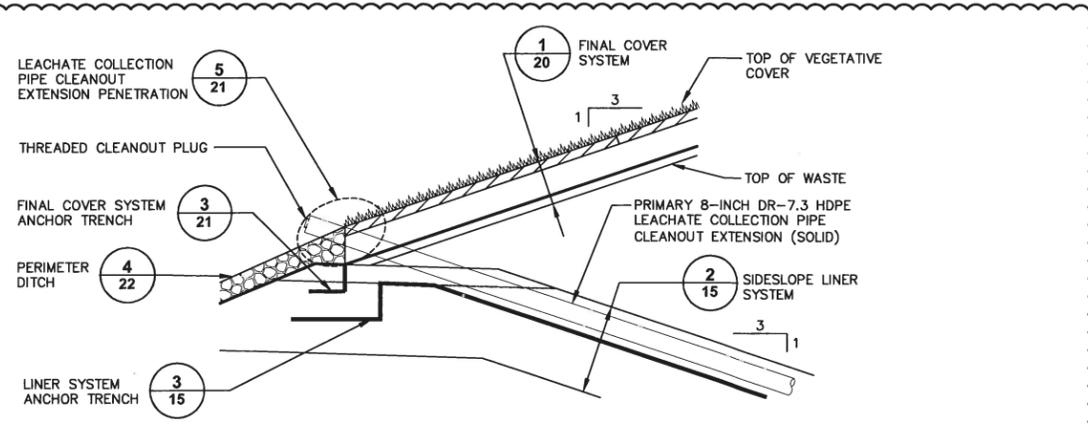
- NOTE:**
- EXTRUSION WELD 40 MIL HDPE MEMBRANE TO SIDESLOPE RISER PIPES MINIMUM 180° AROUND PIPE CENTERED ON TOP OF PIPE.
 - AT VAULT LOCATIONS, LINER FLAP EXTENDING FROM FINAL COVER SYSTEM ANCHOR TRENCH SHALL BE INSTALLED ABOVE RISER PIPE AND SECURED TO RISER VAULT.



- NOTES:**
- LINER FLAP AND FINAL COVER GEOCOMPOSITE SHALL EXTEND TO INVERT OF PERIMETER DITCH.
 - REFER TO DETAIL 4 ON SHEET 22 FOR INSTALLATION SEQUENCING OF RIPRAP DITCH LINING.
 - GEOCOMPOSITE DRAINAGE PIPE SHALL BE 6\"/>

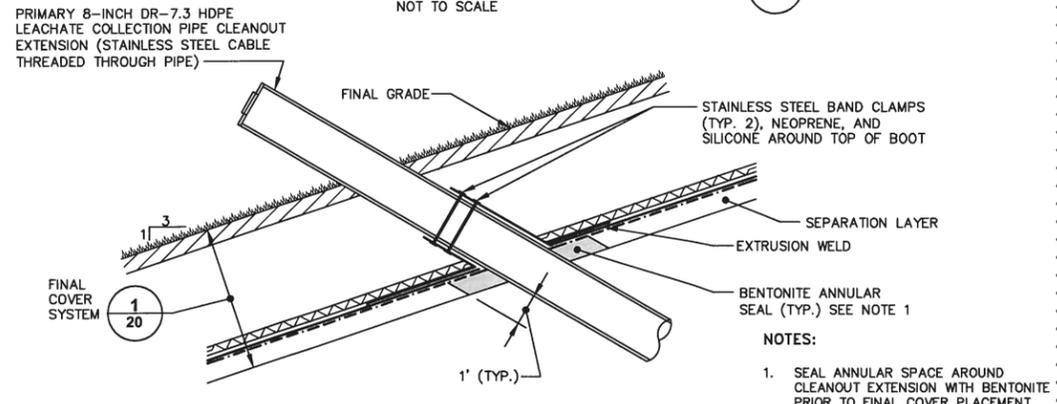
FINAL COVER SYSTEM ANCHOR TRENCH 3

NOT TO SCALE



TYPICAL LEACHATE COLLECTION PIPE CLEANOUT TERMINATION (UPSTREAM) 4

NOT TO SCALE

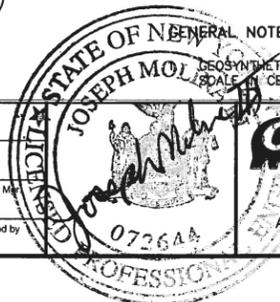


LEACHATE COLLECTION PIPE CLEANOUT EXTENSION PENETRATION 5

NOT TO SCALE

- NOTES:**
- SEAL ANNULAR SPACE AROUND CLEANOUT EXTENSION WITH BENTONITE PRIOR TO FINAL COVER PLACEMENT.

GENERAL NOTE:
 DIMENSIONS ARE SHOWN AT AN EXAGGERATED SCALE FOR CERTAIN DETAILS FOR CLARITY.



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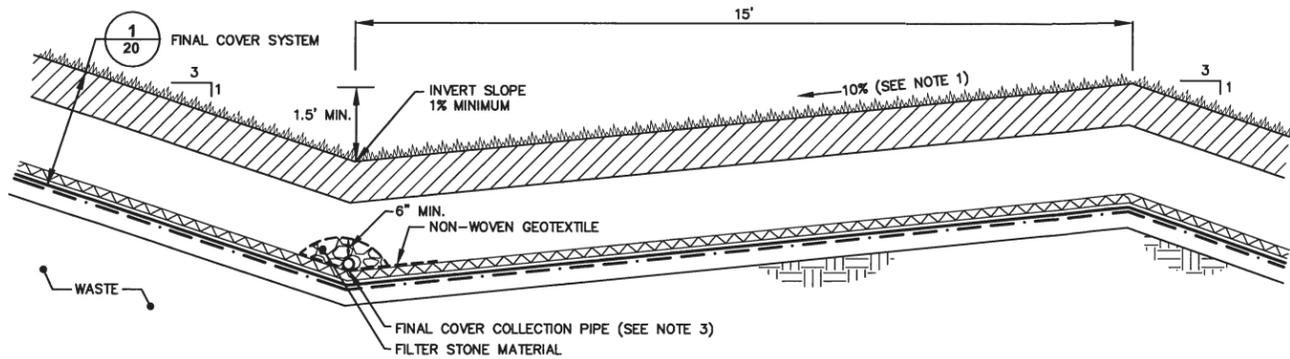
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FINAL COVER DETAILS

GENERAL

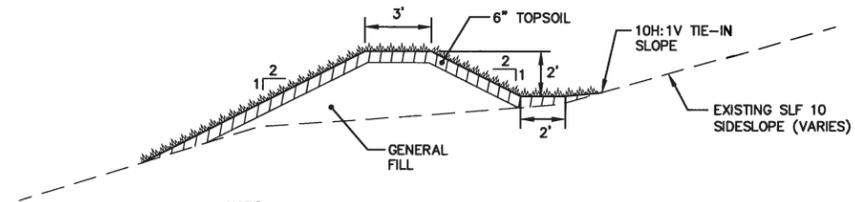
ARCADIS Project No.
 B0023725.2009.00006
 Date
 AUGUST 2009
 ARCADIS of New York, Inc.
 6723 Towpath Road
 P.O. Box 66
 Syracuse, New York
 TEL. 315.446.9120

CITY: SYRACUSE DIV/GRP: ENVCAD DB: K. DAVIS K. SARTORI K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LVR: ON*-OFF*-REF*
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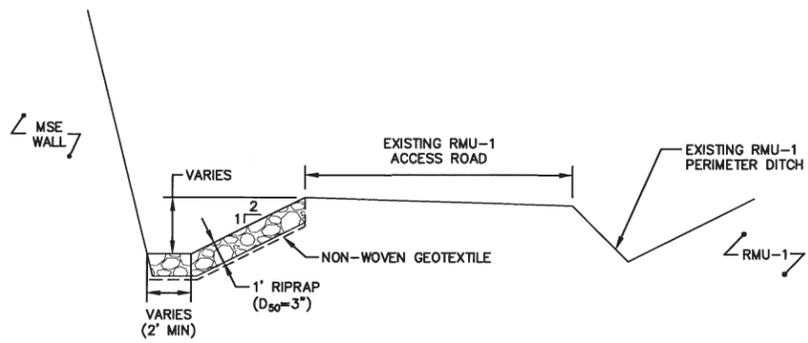
- NOTES:**
1. MINIMUM OUTBOARD CHANNEL SIDESLOPE FOR UNCAPPED AREAS IS 10%.
 2. INTERIOR SIDESLOPES OF SURFACE WATER DIVERSION BERMS SHALL BE LINED WITH TEMPORARY EROSION CONTROL MAT.
 3. FINAL COVER COLLECTION PIPE SHALL BE 6"Ø. PIPES SHALL BE PERFORATED SMOOTH-BORE CORRUGATED HDPE.

SURFACE WATER DIVERSION BERM 1
NOT TO SCALE

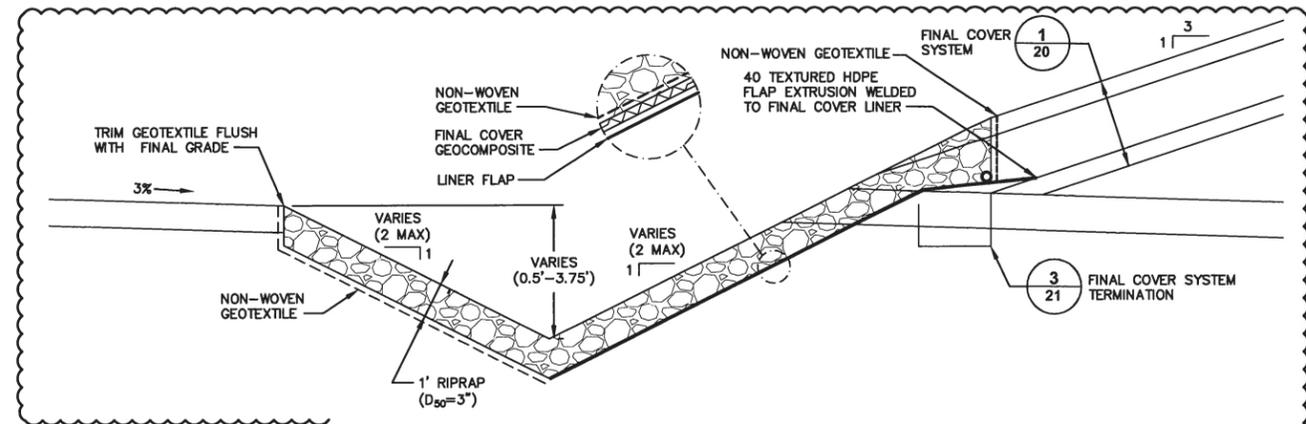


- NOTE:**
1. INTERIOR SIDESLOPES OF SLF 10 DIVERSION CHANNEL SHALL BE LINED WITH TEMPORARY EROSION CONTROL MAT.

SLF 10 DIVERSION CHANNEL 2
SCALE: 1"=4'

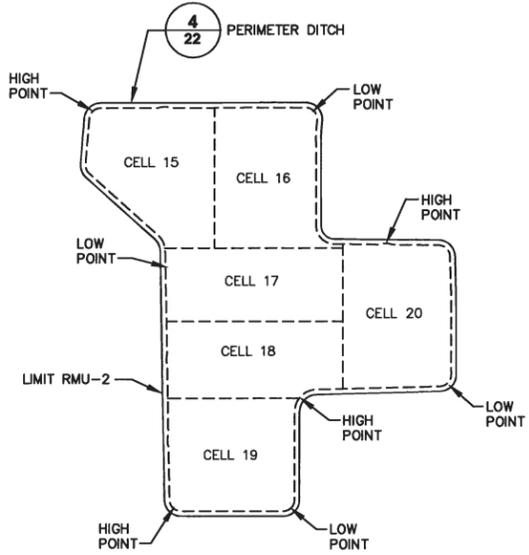


RMU-1/RMU-2 DITCH 3
SCALE: 1"=4'

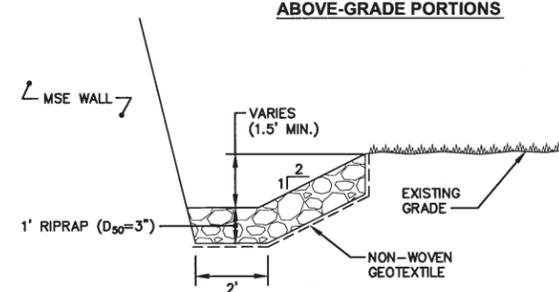
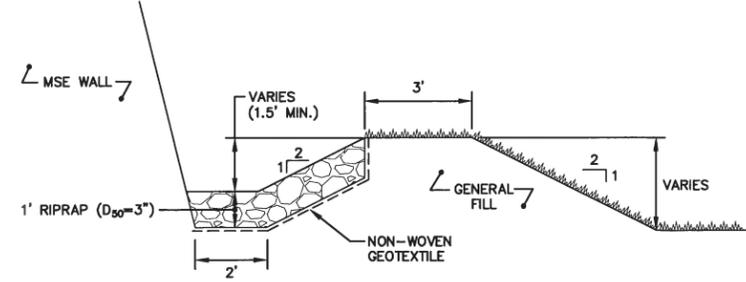


- NOTES:**
1. RIPRAP LINING MAY BE INSTALLED IMMEDIATELY FOLLOWING CONSTRUCTION OF DITCH OR DELAYED UNTIL CONSTRUCTION OF ADJACENT FINAL COVER AREAS. IF RIPRAP IS INSTALLED IMMEDIATELY FOLLOWING DITCH CONSTRUCTION, LINER FLAP SHALL BE OMITTED UNTIL ADJACENT FINAL COVER AREAS ARE CONSTRUCTED.

PERIMETER DITCH 4
SCALE: 1"=2.5'



PERIMETER DITCH LOCATION PLAN 6
SCALE: 1"=400'



SLF 10 DITCH 5
SCALE: 1"=2.5'

- GENERAL NOTE:**
1. GEOSYNTHETICS IN SELECT DETAILS ARE SHOWN AT AN EXAGGERATED SCALE FOR CLARITY.

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

State: NY Date Signed: 2/21/13 Project Mgr: WAR
Designed by: BMS/PTO Drawn by: SJK Checked by: BMS



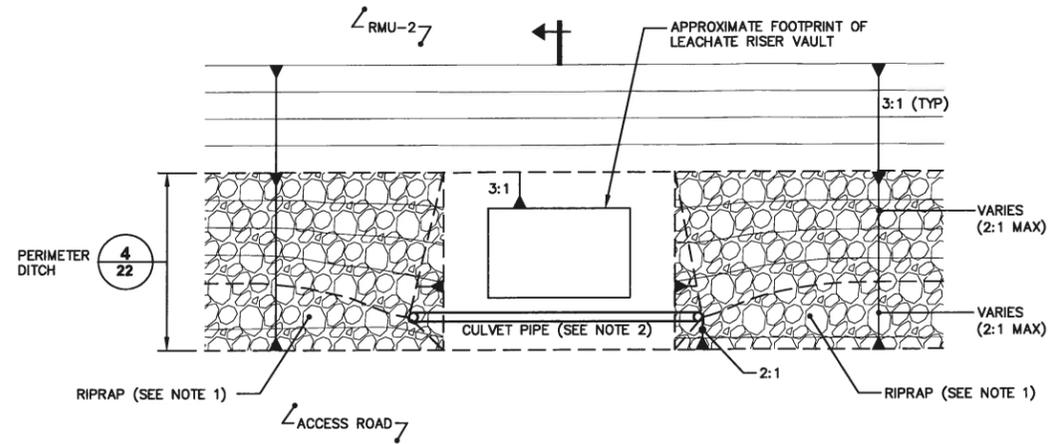
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SURFACE WATER MANAGEMENT DETAILS

GENERAL

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Date: AUGUST 2009
ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
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TEL. 315.446.9120

CITY: SYRACUSE DIV/GROUP: ENV/CAD DB: K. DAVIS G. STOWELL L. FORAKER K. SARTORI LD: PIC: W. POPHAM PW: W. RANKIN TM: B. STONE LVR: ON*OFF=REF
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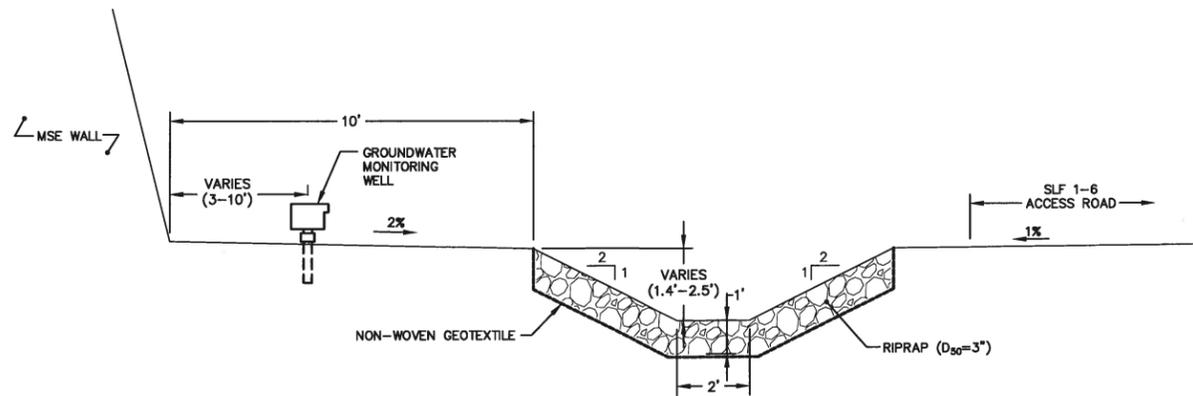
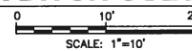


CULVERT SCHEDULE	
CULVERT ID	DESCRIPTION
CV-1	1-18-IN-DIA HDPE @ 0.3%
CV-2	1-24-IN-DIA HDPE @ 0.3%
CV-3	1-15-IN-DIA HDPE @ 0.3%
CV-4	1-24-IN-DIA HDPE @ 0.3%
CV-5	1-24-IN-DIA HDPE @ 0.3%

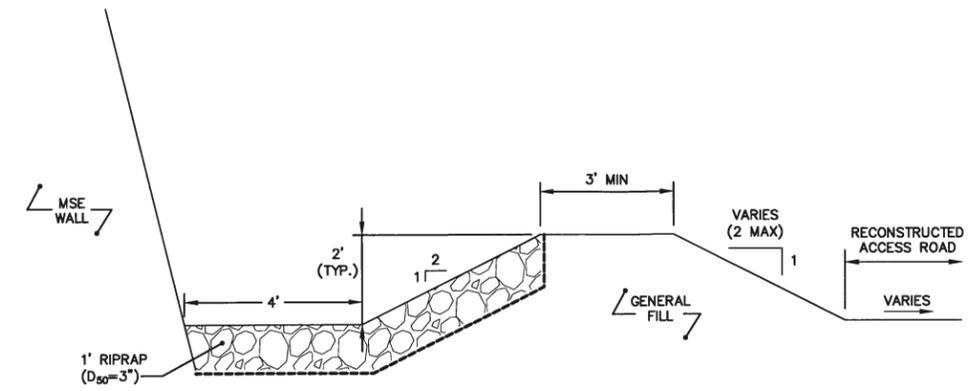
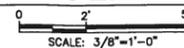
NOTES:

- RIPRAP SHALL HAVE $D_{50}=3$ INCHES AND $D_{max}=5$ INCHES. RIPRAP SHALL BE PLACED IN A 12-INCH-THICK LAYER.
- CULVERT PIPES SHALL BE SMOOTH-BORE CORRUGATED HDPE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REFER TO CULVERT SCHEDULE FOR PIPE DIAMETERS.

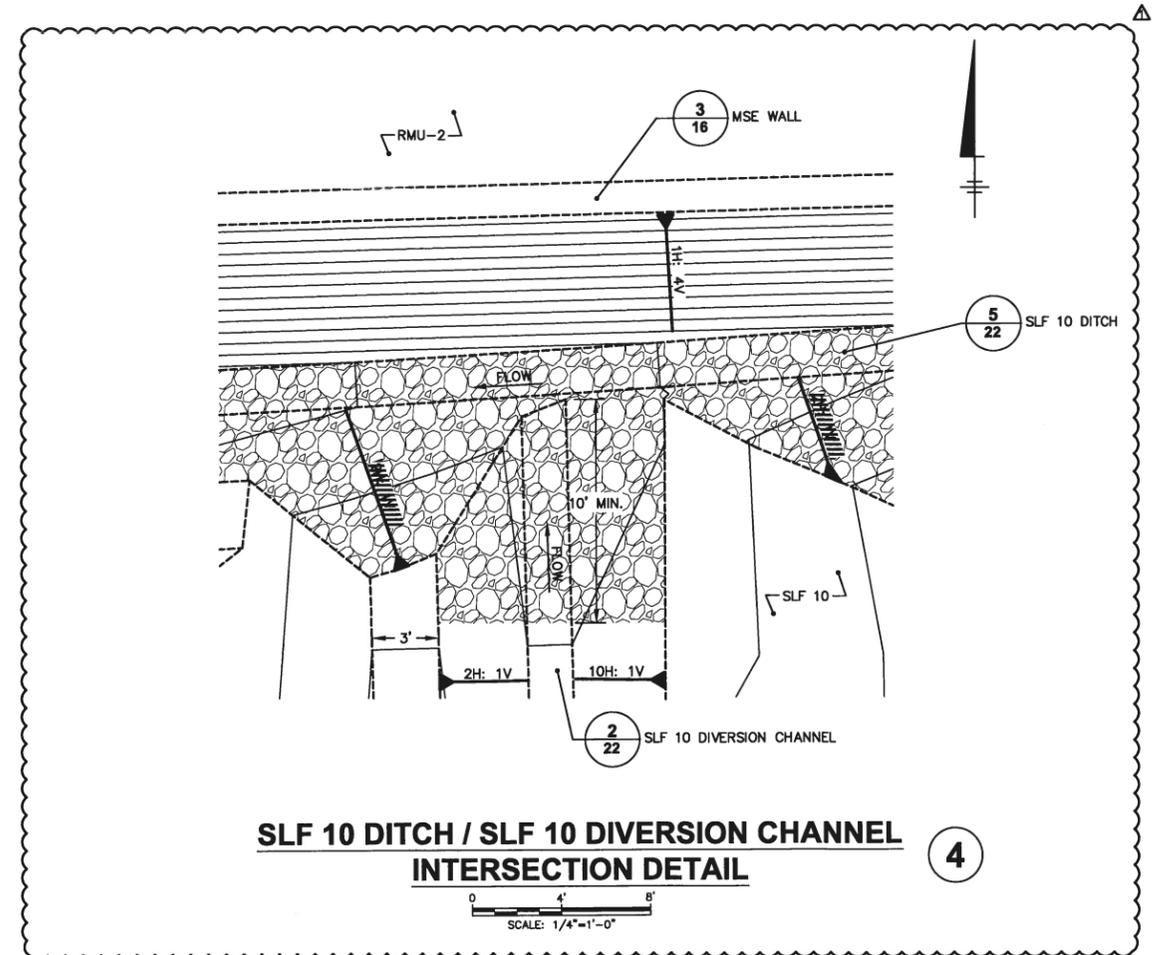
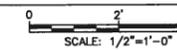
PERIMETER DITCH CULVERT DETAIL (1)



SLF 1-6 EAST PERIMETER DITCH (2)



RMU-2 SOUTH DITCH (3)



SLF 10 DITCH / SLF 10 DIVERSION CHANNEL INTERSECTION DETAIL (4)



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4	1/2012	ADDED DETAIL 4		

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

State
NY

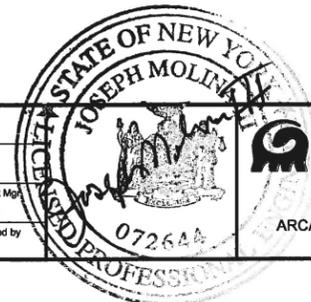
Date Signed
2/27/13

Project Mgt.
WAR

Designed by
SJK

Drawn by
SJK

Checked by
BMS



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SURFACE WATER MANAGEMENT DETAILS

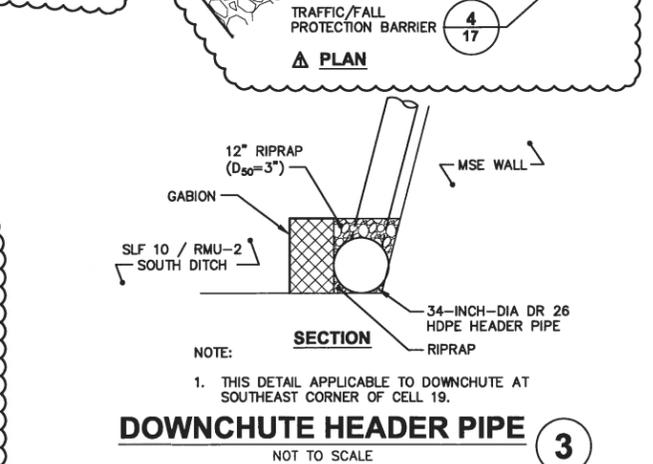
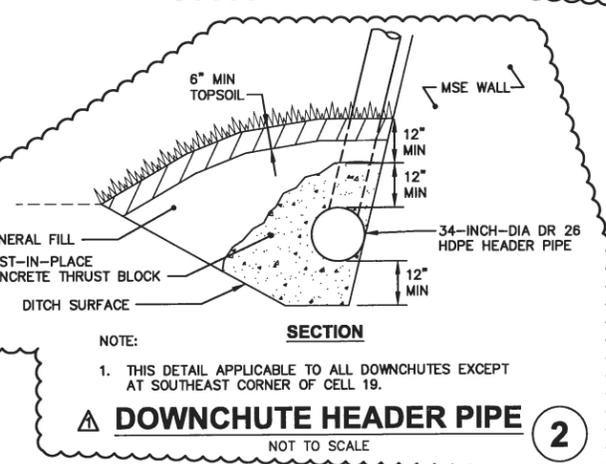
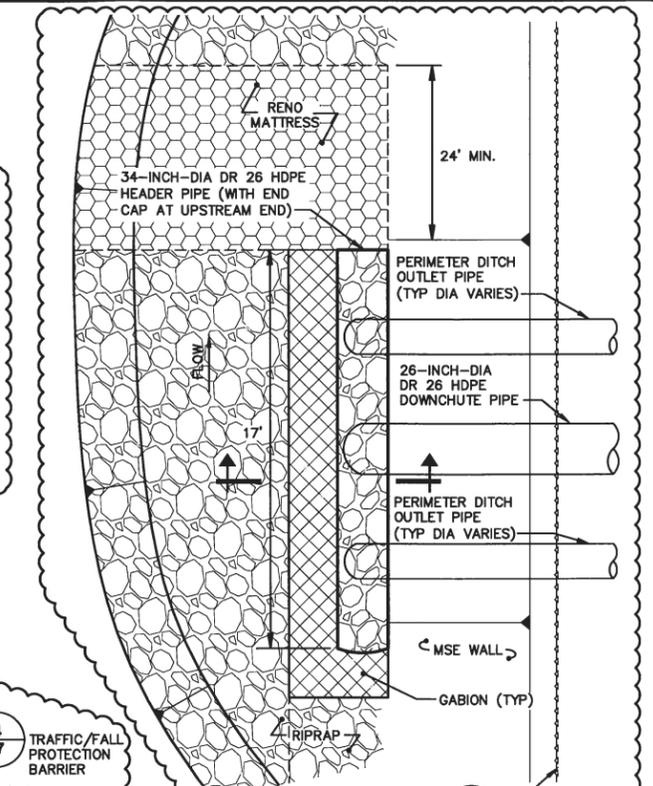
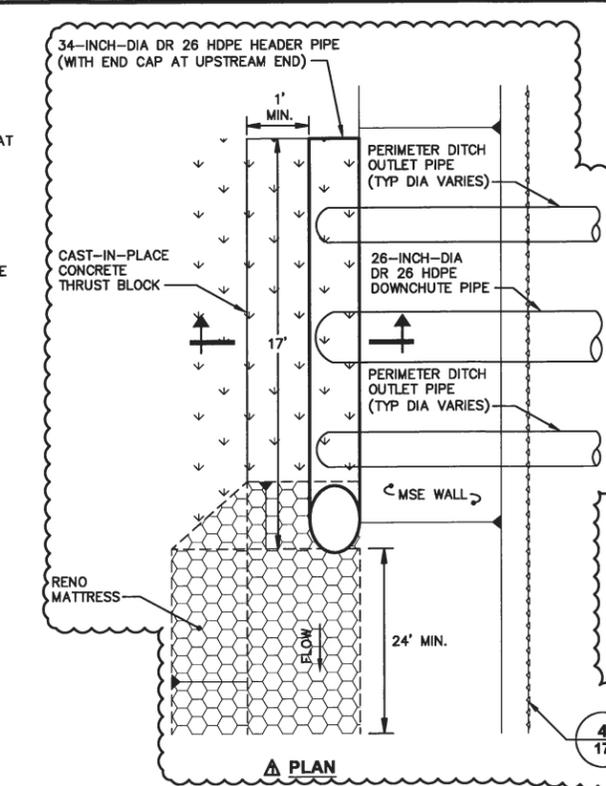
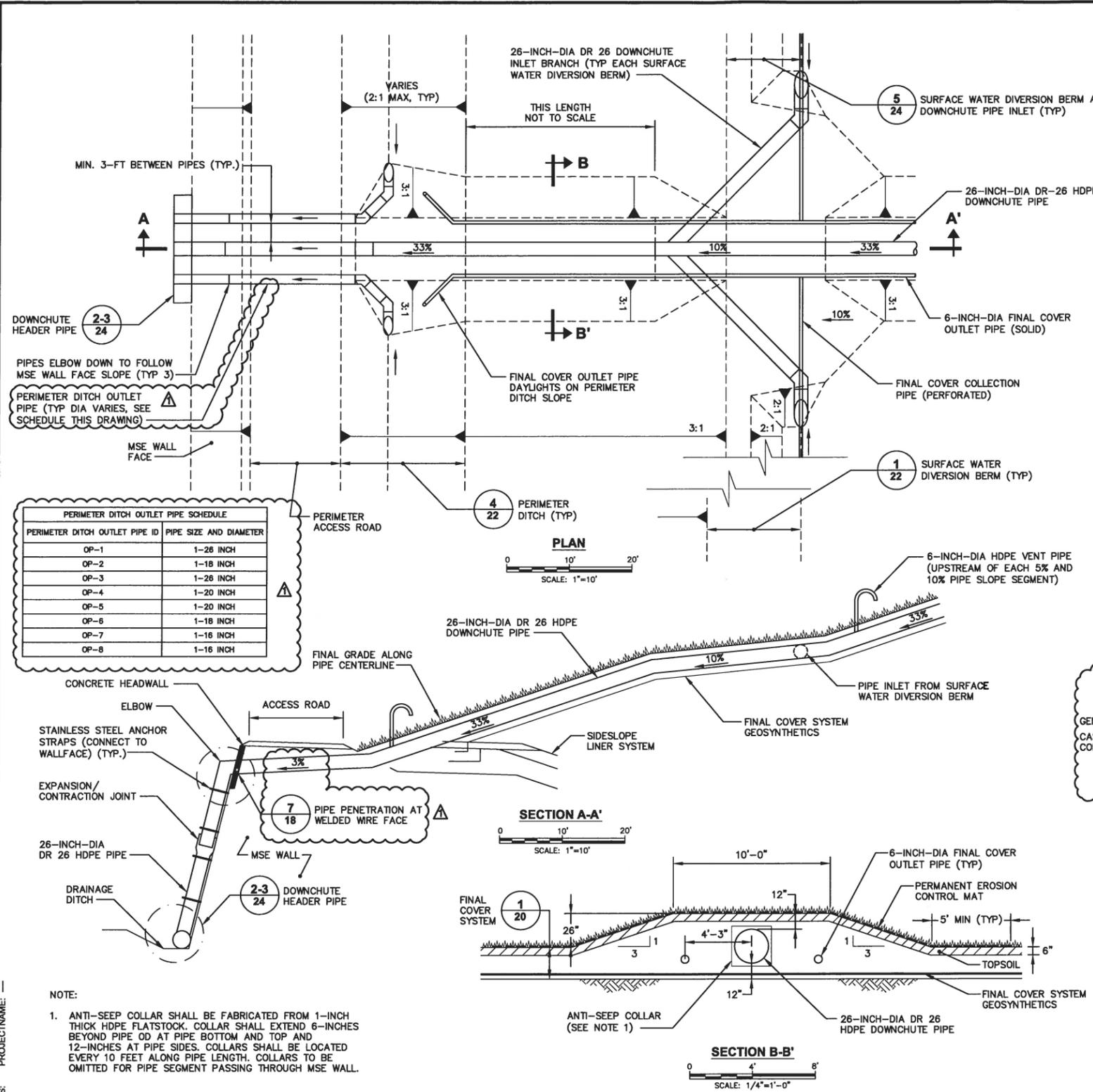
GENERAL

ARCADIS Project No.
80023725.2009.00006

Date
AUGUST 2009

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 68
Syracuse, New York
TEL: 315.446.9120

CITY: SYRACUSE DIV/GROUP: ENV/CAO DB: N. SMITHGALL, K.SARTORI, K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LVR: ONP-OFF-REF-
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DOWNCHUTE COLLECTION PIPE 1

SURFACE WATER DIVERSION BERM AT DOWNCHUTE PIPE INLET 5

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No.	Date	Revisions	By	Ckd
2/2013		REVISED THRUST BLOCK DETAIL AND ADDED OUTLET PIPE SCHEDULE	NWF	BMS

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

Professional Engineer's Seal: JOSEPH MOLINA, STATE OF NEW YORK, 072644, PROFESSIONAL ENGINEER

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SURFACE WATER MANAGEMENT DETAILS

GENERAL

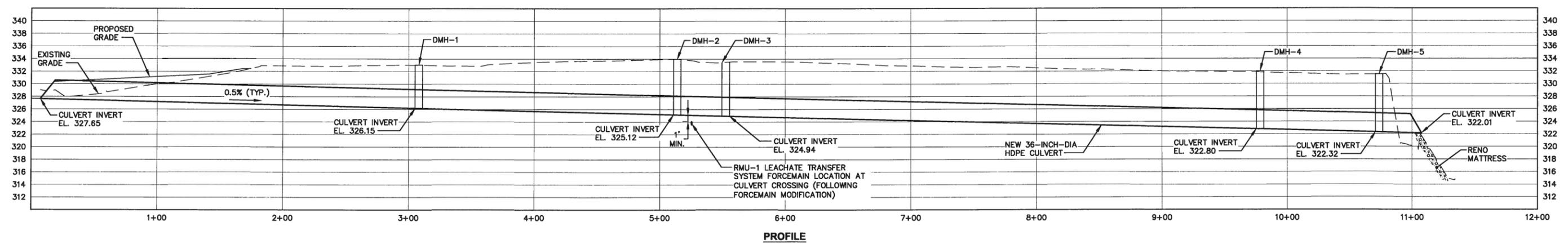
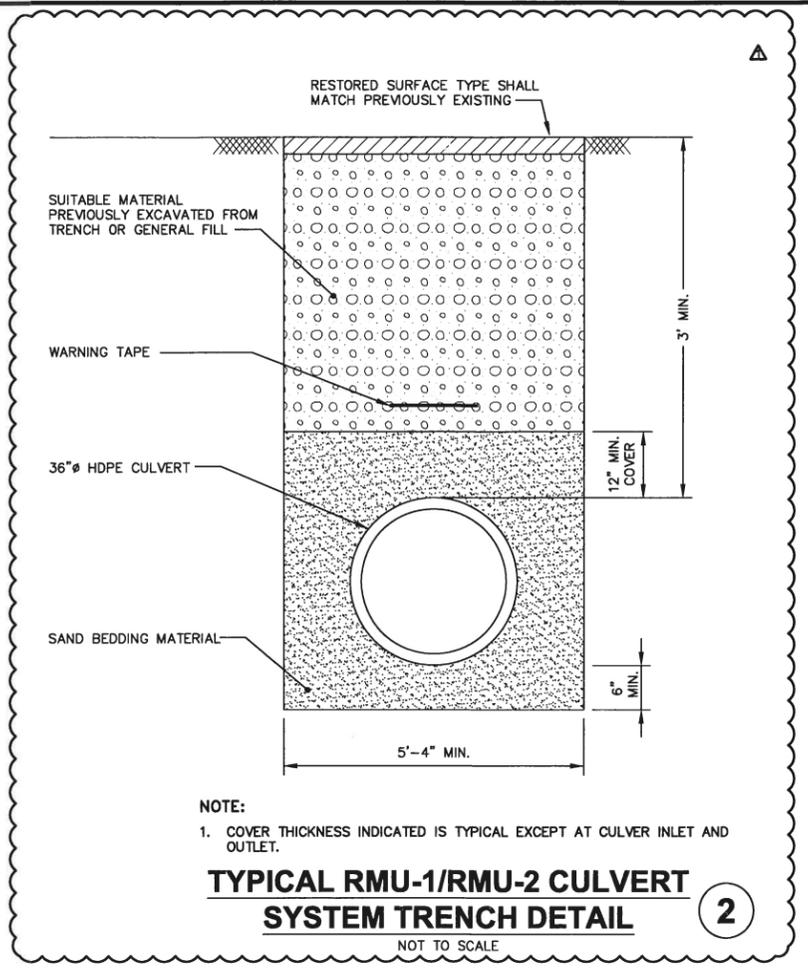
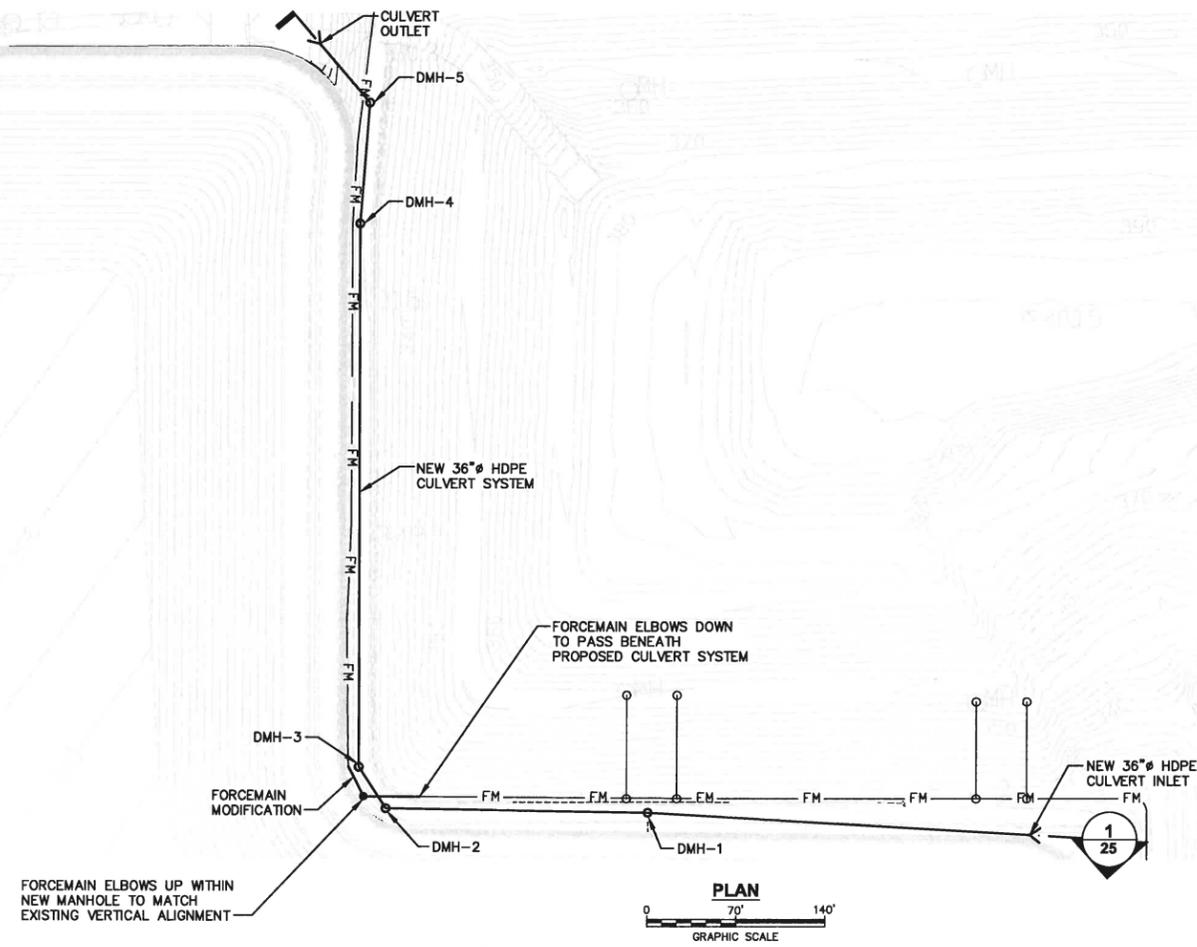
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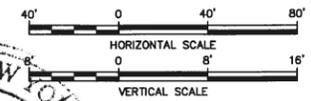
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Syracuse, New York
TEL. 315.446.9120

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CITY: SYRACUSE DIV:GROUP: ENVCAD DB: K. DAVIS L. FORAKER K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LYN: ONE-OFF-REF: G5ENVCADSYRACUSEACT180023725201100003DWDGIRMU_20372525.dwg LAYOUT: 25 SAVED: 2/11/2013 1:19 PM ACADVER: 18.1S (LMS TECH) PAGES: 18.1S (LMS TECH) PLOT: 2/25/2013 1:15 PM BY: SARTORI, KATHERINE



RMU-1/RMU-2 CULVERT SYSTEM 1



GENERAL NOTE:
1. NEW CULVERT SHALL BE CORRUGATED, SMOOTH-BORE HDPE PIPE.

SCALE(S) AS INDICATED	Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING.	State: NY, Date Signed: 2/21/13, Project Mgr: WAR, Checked by: BMS
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Professional Engineer's Name: **JOSEPH MOLINA**
Professional Engineer's No.: 072644

State: NY, Date Signed: 2/21/13, Project Mgr: WAR, Checked by: BMS

Designed by: PDB, Drawn by: SJK

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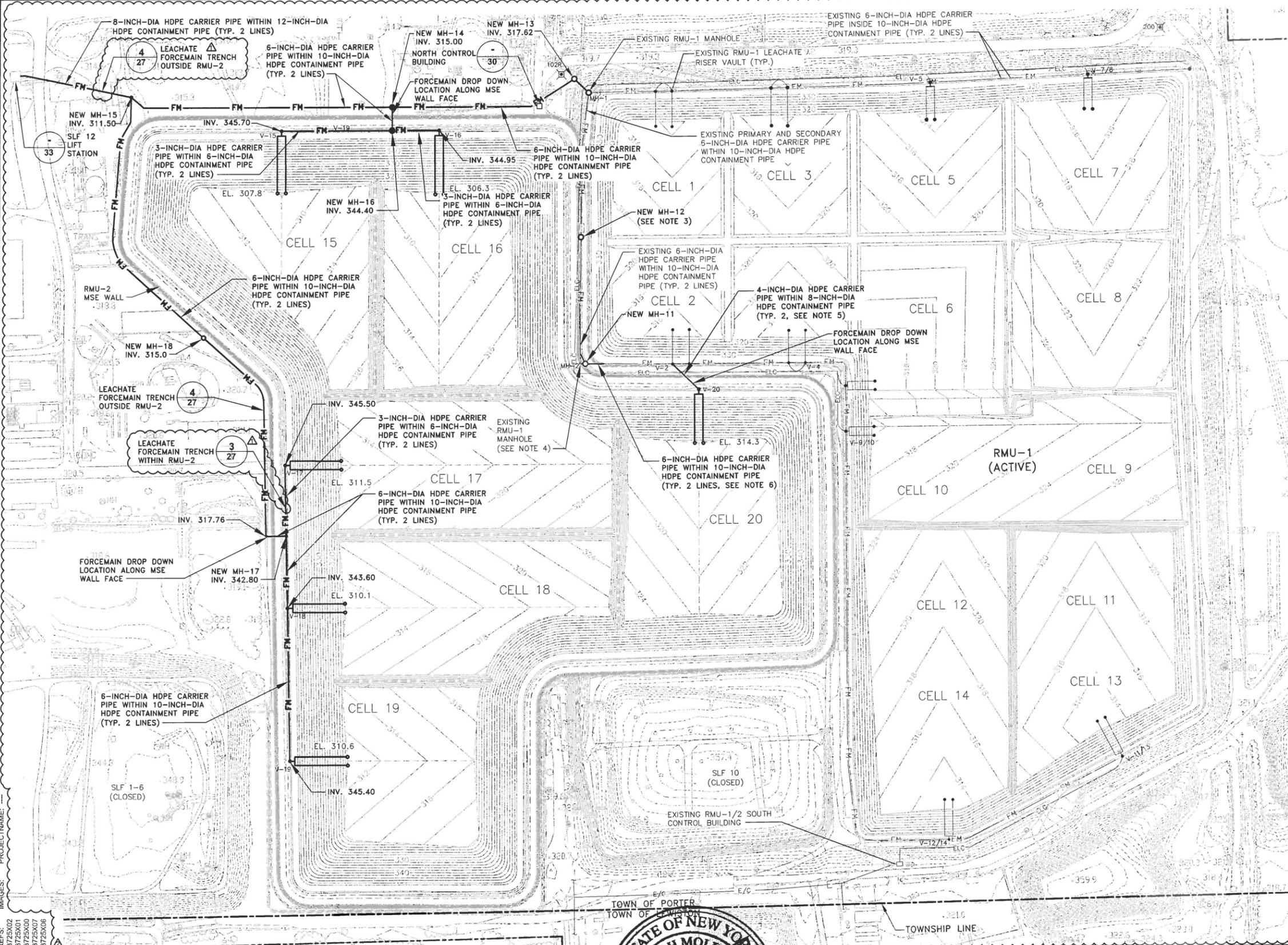
RMU-1/RMU-2 CULVERT SYSTEM PLAN AND PROFILE

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
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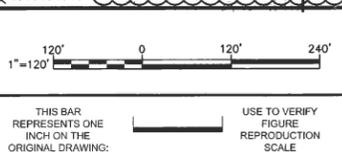
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 PROJECT NAME: RMU-2 PERMIT DRAWING PLOTTED: 8/14/2013 9:12 AM BY: STEINBERGER, GEORGE
 XREFS: 23725X02 23725X01 23725X00 23725X07 23725X06



LEGEND:

- APPROXIMATE PROPERTY LINE
- TOWNSHIP LINE
- ELEVATION CONTOUR
- GRADE BREAK
- FM EXISTING FORCEMAIN
- FM PROPOSED FORCEMAIN
- △ EXISTING CELL LEACHATE COLLECTION SUMP AND RISER PIPE
- PROPOSED CELL LEACHATE COLLECTION SUMP AND RISER PIPE
- ELC EXISTING RMU-1 ELECTRICAL/COMMUNICATION CONDUIT
- V-16 LEACHATE RISER VAULT AND ID NO.
- △ LEACHATE JUNCTION MANHOLE (TYP. MH-14, MH-15, MH-16 AND MH-17) 1
27
- LEACHATE TRANSFER MANHOLE (TYP. MH-11, MH-12, MH-13 AND MH-18) 2
27
- EL 311.02 TOP OF OPERATIONS LAYER ELEVATION AT CELL LOW POINT
- 200' PERMANENT CONTROL MONUMENT
- 12500' N 10000' COORDINATE GRID
- 2
14 DETAIL REFERENCE NUMBER
- 14 DRAWING REFERENCE NUMBER

- NOTES:**
1. REFER TO DRAWING NO. 2 FOR ADDITIONAL BASE MAP INFORMATION.
 2. PROPOSED RMU-2 GRADES SHOWN ARE TOP OF OPERATIONS LAYER GRADES (REFER TO DRAWING NO. 5). RMU-1 GRADES ARE PERMIT TOP OF OPERATIONS LAYER GRADES.
 3. EXISTING RMU-1 LIFT STATION TO BE REMOVED. EXISTING FORCEMAIN TO TIE INTO NEW MH-12 NEAR FORMER LIFT STATION LOCATION.
 4. EXISTING MH-2 TO BE REMOVED AND REPLACED WITH NEW MH-11 AND TIE IN WITH EXISTING FORCEMAIN.
 5. RMU-2 CELL 20 LEACHATE TRANSFER SYSTEM TO TIE INTO EXISTING RMU-1 FORCEMAIN AT CELL 2 VAULT.
 6. EXISTING FORCEMAINS IN RMU-1 PERIMETER BERM TO BE MODIFIED AT SOUTHWEST CORNER OF CELL 2 AS NECESSARY TO ACCOMMODATE PROPOSED RMU-1/RMU-2 CULVERT SYSTEM. REFER TO DRAWING 25 FOR ADDITIONAL INFORMATION.
 7. PIPE INVERTS REPRESENT INVERT ELEVATION OF INNER CARRIER PIPE.



No.	Date	Revisions	By	Ckd
1	8/2013	REVISED MANHOLE SYMBOL AND CALLOUTS	PTO	PHB
2	2/2013	REVISED FORCEMAIN LAYOUT AND SIZES	GNG	BMS
3	1/2012	ADDITIONAL CALLOUT	NWF	BMS

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

State: NY Date Signed: 8/15/13 Project Mgr.: WAR
Designed by: BMS/PTO Drawn by: SJK Checked by: BMS

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LEACHATE TRANSFER SYSTEM PLAN

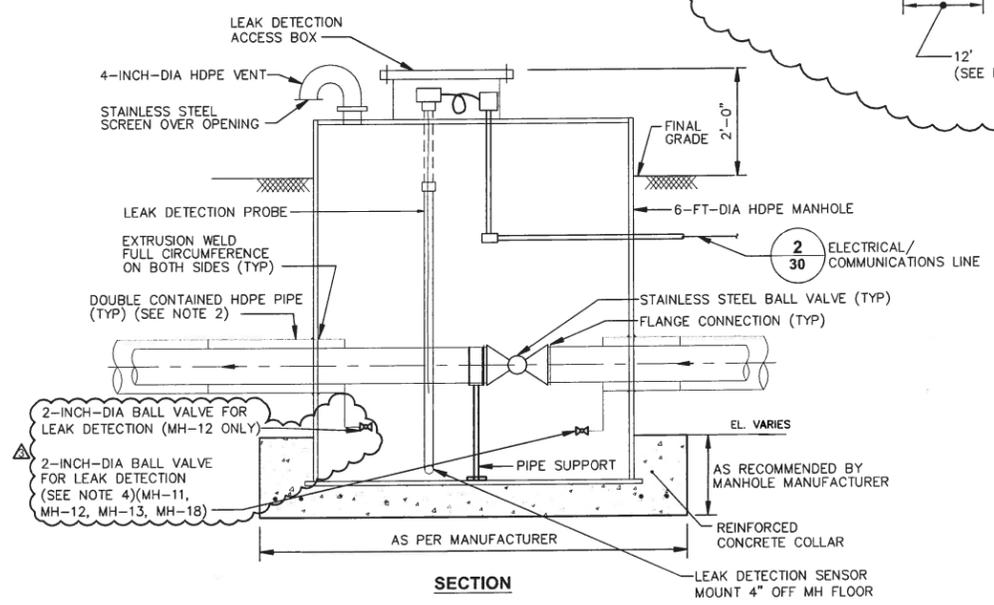
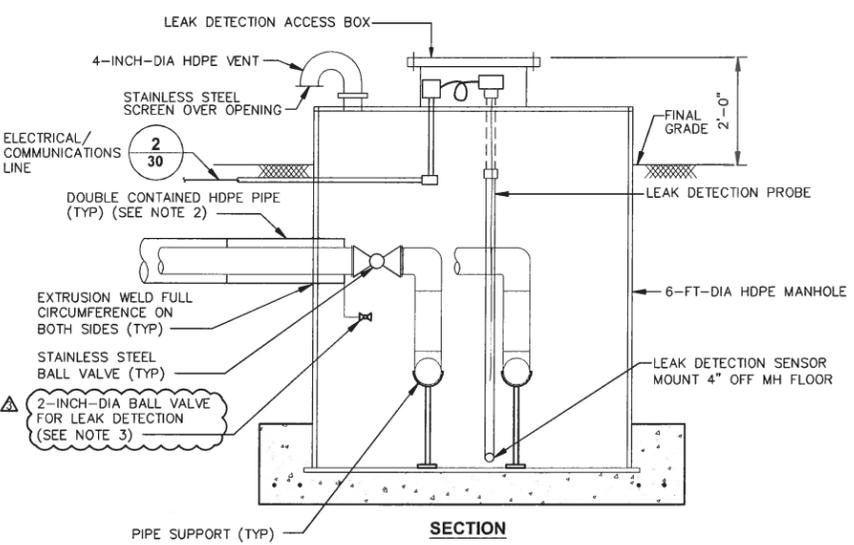
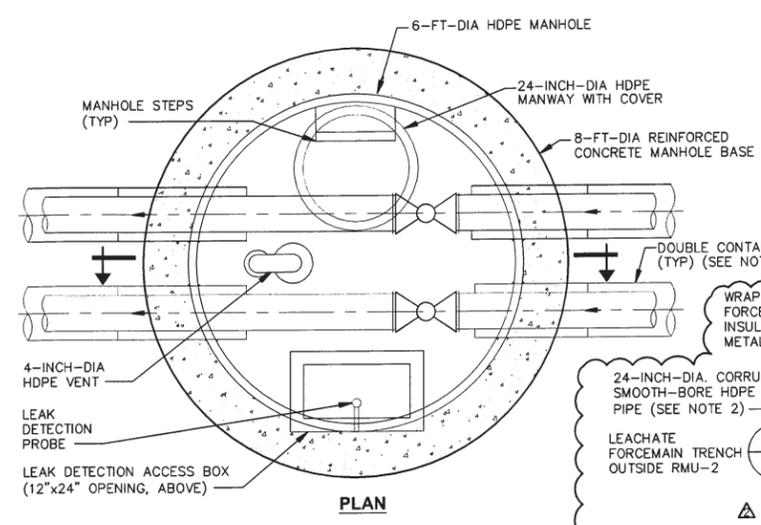
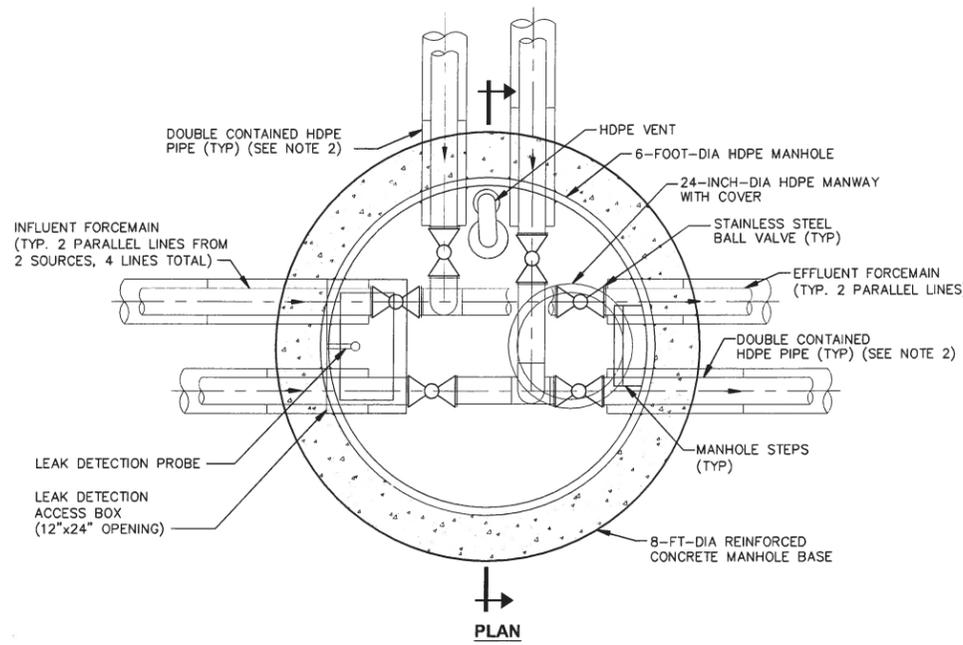
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B0023725.2009.00006

Date
AUGUST 2009

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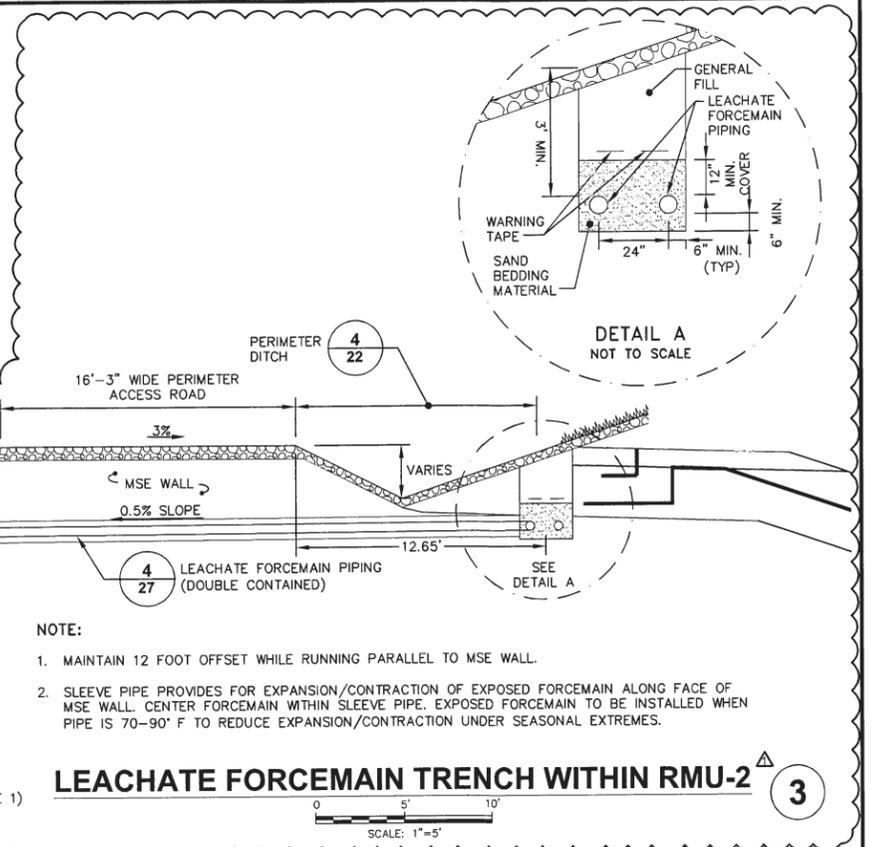


- NOTES:**
1. TYPICAL DETAIL FOR MANHOLES MH-14, MH-15, MH-16, AND MH-17. SEE DRAWING 26 FOR MANHOLE LOCATION.
 2. PIPE SIZES VARY DEPENDING ON MANHOLE LOCATION. SEE DRAWING 26 FOR PIPE SIZES.
 3. LEAK DETECTION PIPE AND VALVES INSTALLED AT LOW POINTS OF DOUBLE CONTAINED HDPE PIPE ONLY.
 4. SEAL END OF SECONDARY TRANSFER HDPE PIPE FOR TESTING PURPOSES. 1" THICK FLATSTOCK RING TO BE EXTRUSION WELDED TO BOTH PRIMARY AND SECONDARY PIPES.

TYPICAL LEACHATE JUNCTION MANHOLE 1

- NOTES:**
1. TYPICAL DETAIL FOR MANHOLES MH-11, MH-12, MH-13, AND MH-18. SEE DRAWING 26 FOR MANHOLE LOCATION.
 2. PIPE SIZES VARY DEPENDING ON MANHOLE LOCATION. SEE DRAWING 26 FOR PIPE SIZES.
 3. PIPE PENETRATION AND CONFIGURATION INSIDE MANHOLES MAY VARY DEPENDING ON MANHOLE LOCATION.
 4. LEAK DETECTION PIPE AND VALVES INSTALLED AT LOW POINTS OF DOUBLE CONTAINED HDPE PIPE ONLY.
 5. SEAL END OF SECONDARY TRANSFER HDPE PIPE FOR TESTING PURPOSES. 1" THICK FLATSTOCK RING TO BE EXTRUSION WELDED TO BOTH PRIMARY AND SECONDARY PIPES.

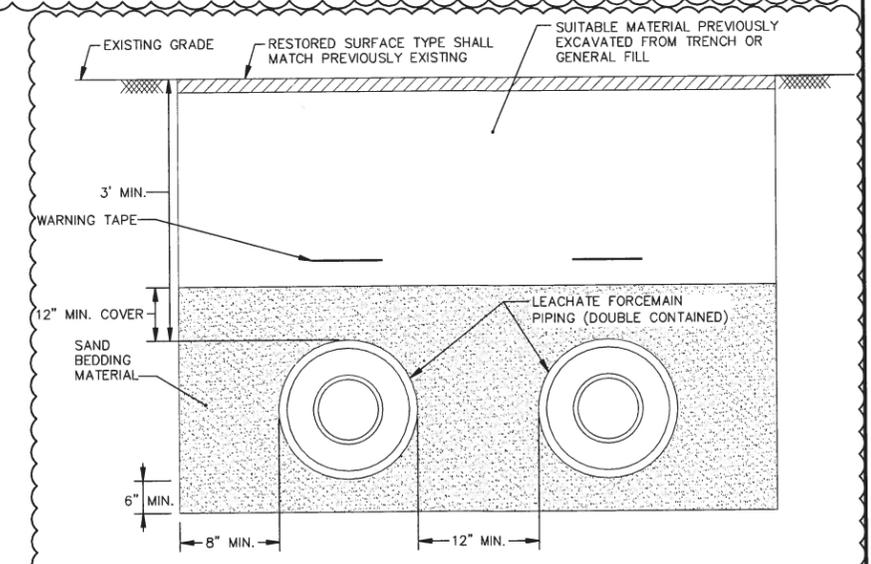
TYPICAL LEACHATE TRANSFER MANHOLE 2



LEACHATE FORCEMAIN TRENCH WITHIN RMU-2 3

NOTE:

1. MAINTAIN 12 FOOT OFFSET WHILE RUNNING PARALLEL TO MSE WALL.
2. SLEEVE PIPE PROVIDES FOR EXPANSION/CONTRACTION OF EXPOSED FORCEMAIN ALONG FACE OF MSE WALL. CENTER FORCEMAIN WITHIN SLEEVE PIPE. EXPOSED FORCEMAIN TO BE INSTALLED WHEN PIPE IS 70-90' F TO REDUCE EXPANSION/CONTRACTION UNDER SEASONAL EXTREMES.



LEACHATE FORCEMAIN TRENCH OUTSIDE RMU-2 4

GENERAL NOTE:

1. ALL PIPING EXCEPT MSE WALL SLEEVE PIPE TO BE HDPE DR-11

NOT TO SCALE

No.	Date	Revisions	By	Ckd
1	8/2013	REVISED DETAIL 1 AND 2 AND GENERAL NOTES	GNG	BMS
2	2/2013	REVISED DETAILS 1-3	GNG	BMS
3	1/2012	ADDED DETAIL 4 AND GENERAL NOTE 3	NWF	BMS

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

State: NY Date Signed: 8/15/13 Project: WAR
Designed by: BMS/PTO Drawn by: SJK Checked by: BMS

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LEACHATE COLLECTION AND TRANSFER SYSTEM DETAILS

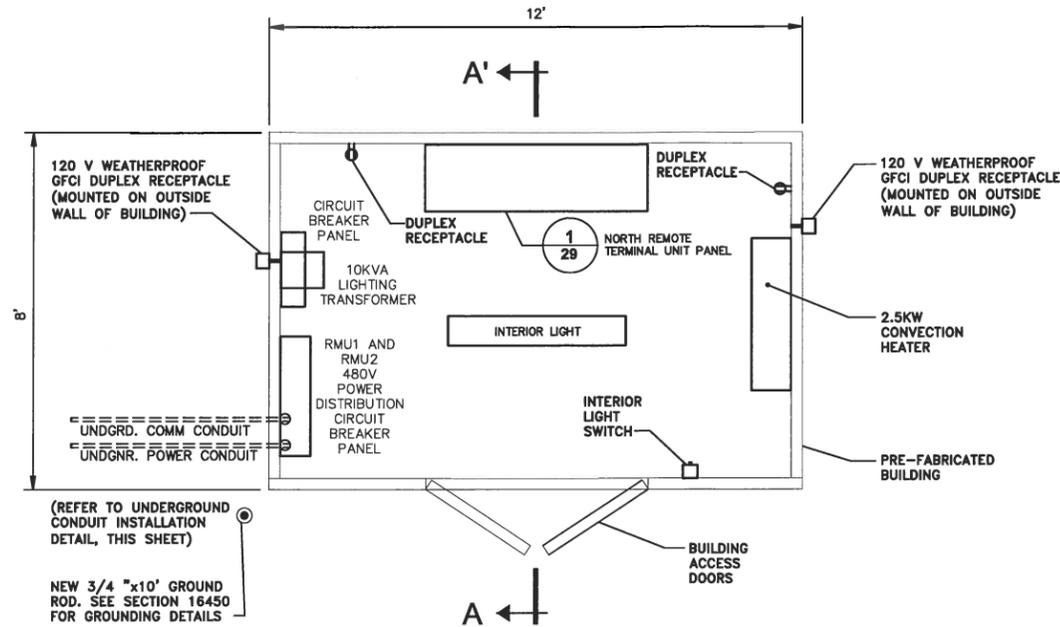
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ARCADIS Project No.
B0023725.2009.00006

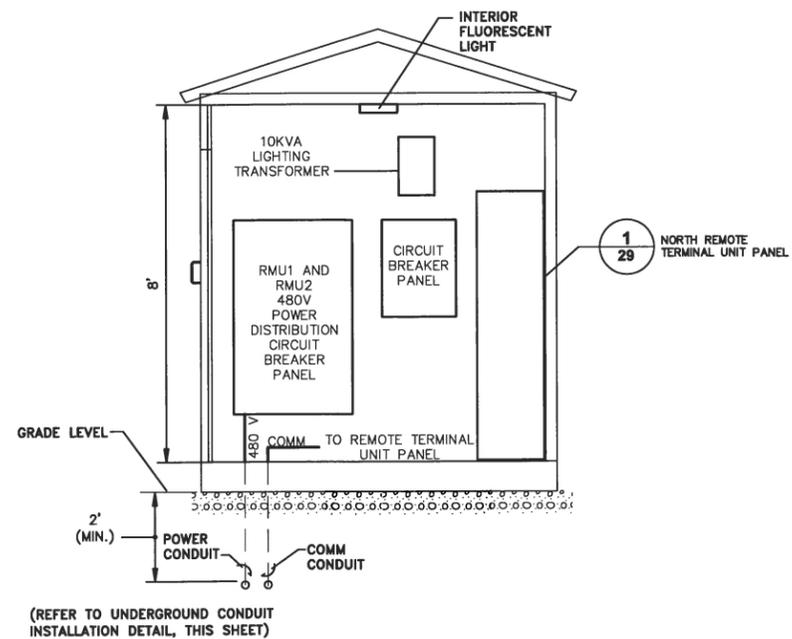
Date
AUGUST 2009

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse, New York
TEL: 315.446.9120

27

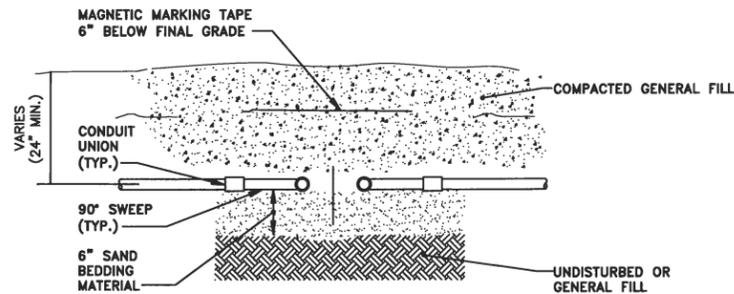


NORTH REMOTE CONTROL BUILDING PLAN ①



- NOTES:
- BUILDING DIMENSIONS AND PANEL LAYOUT ARE APPROXIMATE.
 - FINAL BUILDING AND PANEL LAYOUT MAY VARY.

SECTION A-A'



- NOTES:
- NUMBER AND SIZE OF CONDUITS MAY VARY.
 - CONDUITS TO BE SPACED 6" APART MINIMUM.
 - POWER CONDUITS: RIGID STEEL PVC COATED (PLASTI-BOND), SIZE MAY VARY.
 - 1/0 COMM CONDUIT: 1" RIGID STEEL PVC COATED (PLASTI-BOND).

TYPICAL UNDERGROUND CONDUIT INSTALLATION DETAIL ②

CITY: SYRACUSE DIV/GROUP: ENV/CAD DB: K. DAVIS L. FORAKER K. DAVIS LD: PIC: W. POPHAM PW: W. RANKIN TM: B. STONE LVR: ON="OFF=REF"
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No.	Date	Revisions	By	Ckd	

Professional Engineer's Name
JOSEPH MOLINA

Professional Engineer's No.
072644

State
NY

Date Signed
2/27/13

Project
WAR

Designed by
ACS, INC.

Drawn by
SJK

Checked by
TPA

ARCADIS OF NEW YORK, INC.



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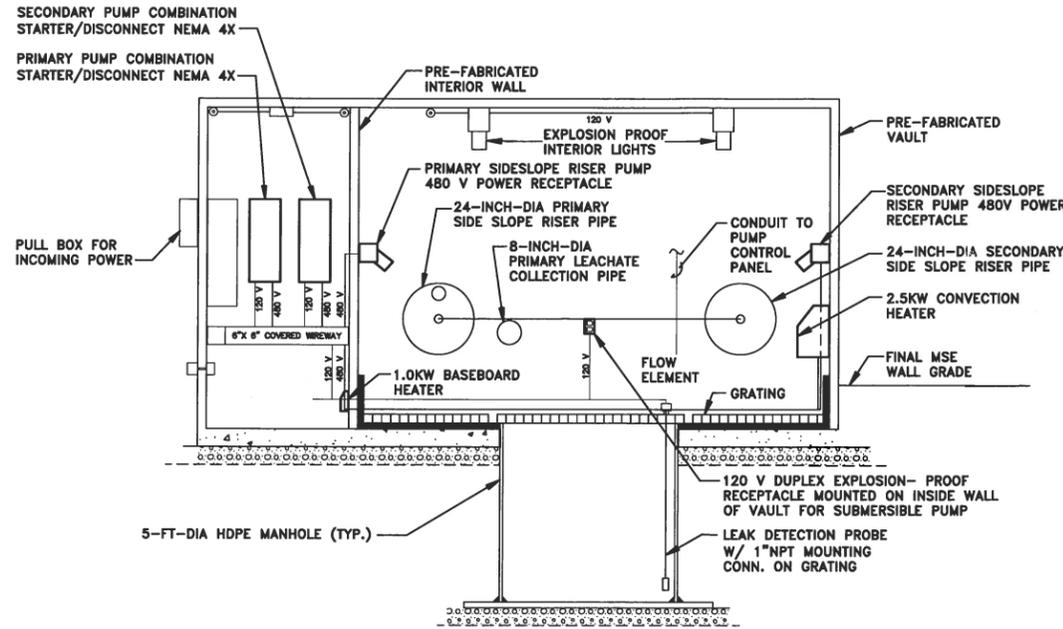
ARCADIS

NORTH REMOTE CONTROL BUILDING LAYOUT

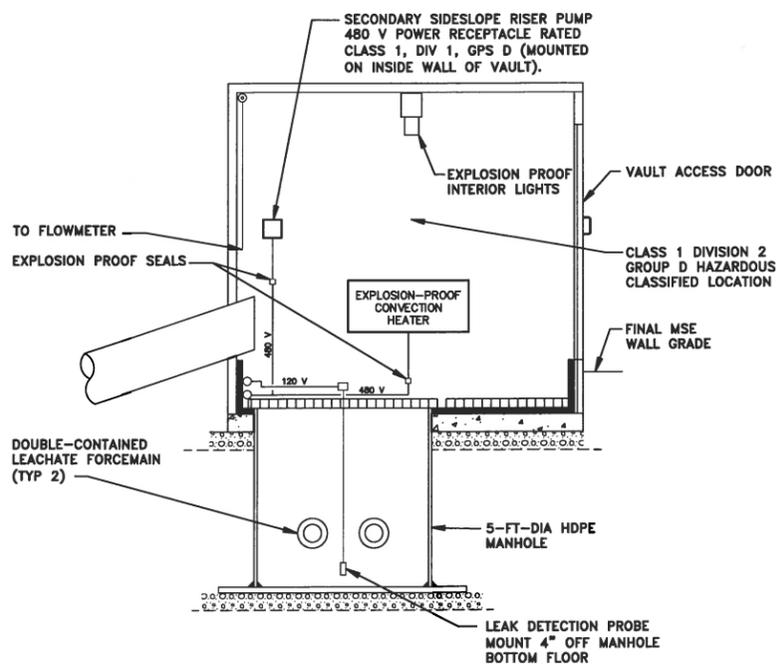
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ARCADIS Project No. B0023725.2009.00006	30
Date AUGUST 2009	
ARCADIS of New York, Inc. 6723 Towpath Road P.O. Box 66 Syracuse, New York TEL. 315.446.9120	

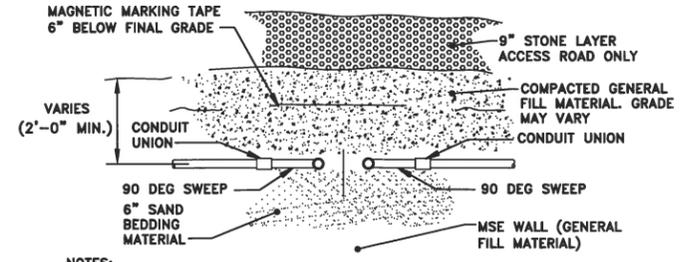
CITY: SYRACUSE DIV/GROUP: ENV/CAD DB: K. DAVIS L. FORAKER K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LVR: ON=OFF=REF
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 PROJECTNAME: 23725X00
 XREFS: 23725X00



SECTION A-A'

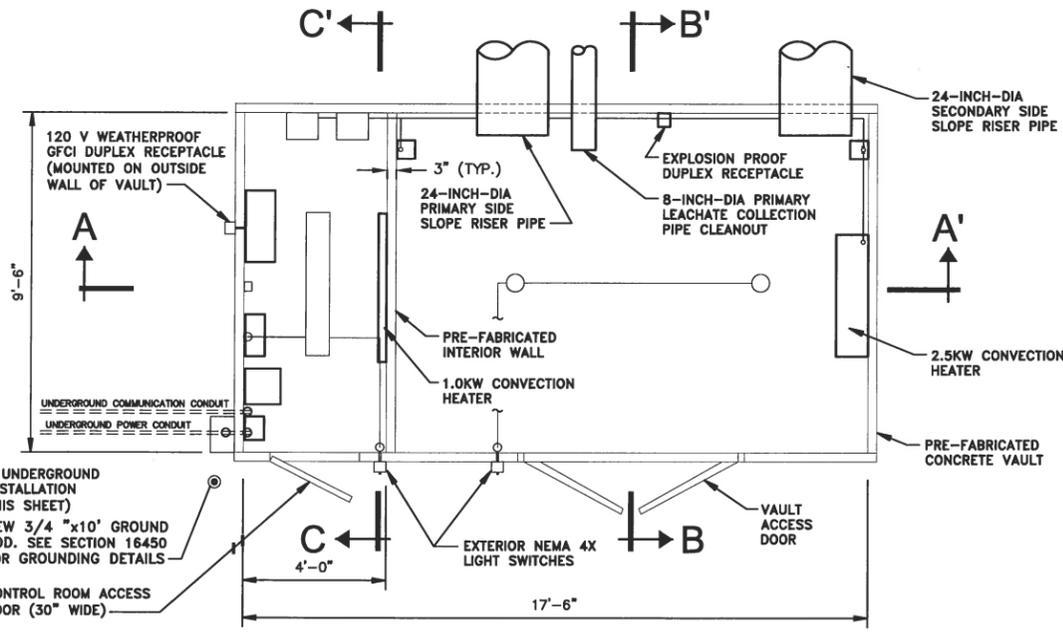


SECTION B-B'

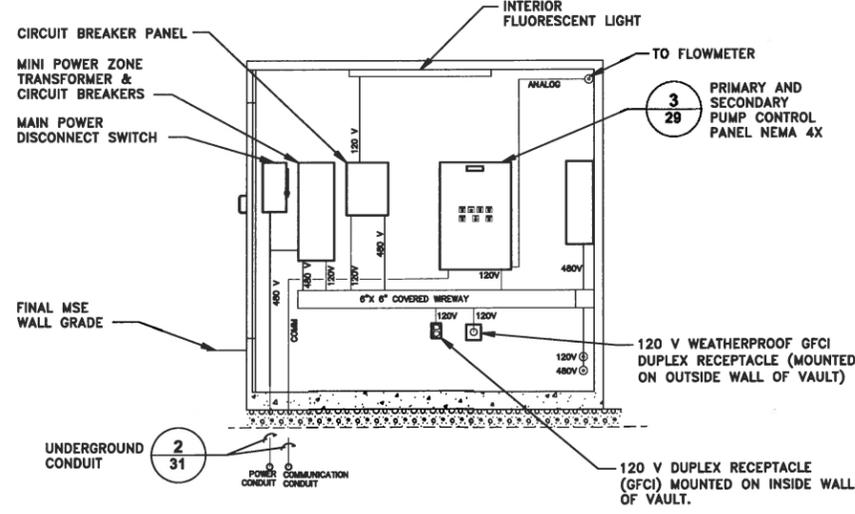


- NOTES:**
1. NUMBER AND SIZE OF CONDUITS MAY VARY.
 2. CONDUITS TO BE SPACED 6" APART MINIMUM.
 3. POWER CONDUITS: RIGID STEEL PVC COATED (PLASTI-BOND). SIZE MAY VARY.
 4. I/O COMMUNICATION CONDUIT: 1" RIGID STEEL PVC COATED (PLASTI-BOND).

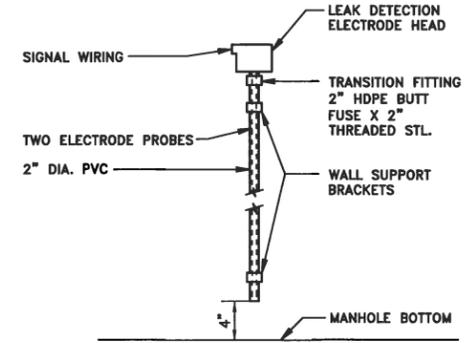
MSE WALL UNDERGROUND CONDUIT INSTALLATION DETAILS ②



PLAN 1



SECTION C-C'



- NOTES:**
1. MOUNT PROBE FITTING 6" ABOVE GRATING IN RISER VAULTS.
 2. EXTEND ELECTRODES TO 1/2" ABOVE BOTTOM OF 2" HDPE PIPE.

RISER VAULT LEAK DETECTION DETAIL ③

- GENERAL NOTES:**
1. LINWORK FROM AUTOMATED CONTROL SOLUTIONS, INC. 1000 YOUNG STREET, SUITE 450 TONAWANDA, NY 14150, 4/2/02 "RMU-2 RISER VAULT ELECTRICAL DIAGRAM AND DETAILS" DWG27.DWG.
 2. LOCATE VAULT LEAK DETECTION PROBE ON INLET SIDE OF LEACHATE COLLECTION HDPE MANHOLE. MOUNT PROBE 4" FROM FLOOR.
 3. ALL CONDUIT TO BE RUN AGAINST WALLS NEAR GRATING OR HIGH NEAR CEILING CORNERS, AS APPROPRIATE. USE CONDUIT SEALS PER N.E.C. ARTICLE 500 FOR ALL CONDUITS IN THE MAIN PUMPING AREA OF THE RISER VAULT.
 4. REFER TO ELECTRICAL SPECIFICATIONS FOR CONDUIT AND CABLE INFORMATION.
 5. REFER TO DRAWING 28 FOR RISER VAULT MECHANICAL DETAILS.

SCALE AS NOTED

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING.

USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

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

State: NY Date Signed: 2/27/13 Project No: WAR
Designed by: ACS, INC. Drawn by: LAF Checked by: TPA

ARCADIS
ARCADIS OF NEW YORK, INC.



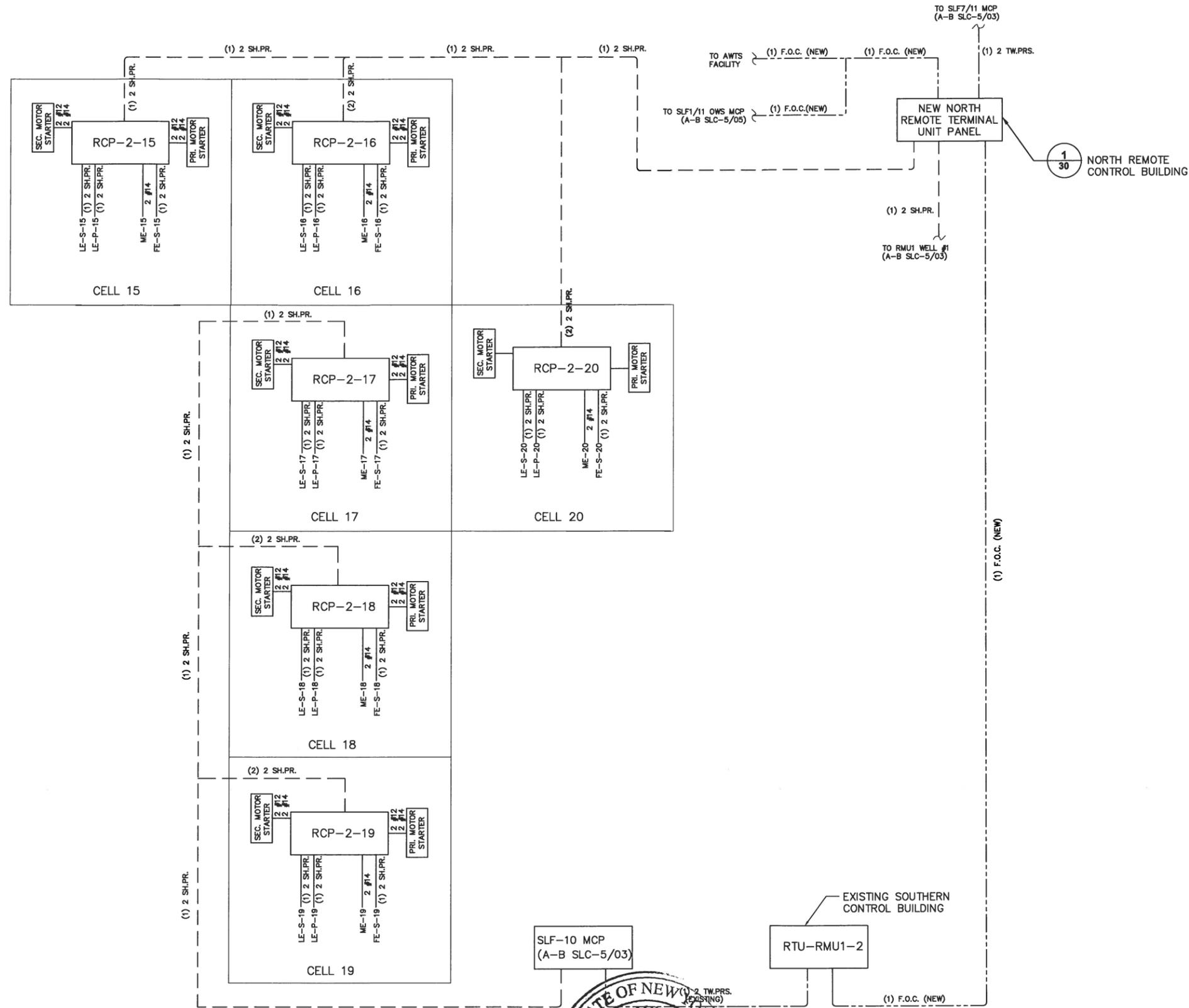
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RMU-2 RISER VAULT ELECTRICAL DIAGRAM AND DETAILS

GENERAL

ARCADIS Project No. B0023725.2009.00006
Date: AUGUST 2009
ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 68
Syracuse, New York
TEL. 315.446.9120

CITY: SYRACUSE DIV/GROUP: ENVCAD DB: L. FORAKER K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LVR: ON+OFF=REF
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 XREFS: IMAGES: PROJECTNAME: --
 PLOTTED: 2/25/2013 1:18 PM BY: SARTORI, KATHERINE



GENERAL NOTES:

1. LINWORK FROM AUTOMATED CONTROL SOLUTIONS, INC. 1000 YOUNG STREET, SUITE 450 TONAWANDA, NY 14150, 6/10/02 "RMU2 INSTRUMENT RISER DIAGRAM" DWG28.DWG.
2. THIS DRAWING SHOWS PROCESS INSTRUMENTATION AND CONTROL WIRING REQUIREMENTS. ASSOCIATED AC POWER AND GROUNDING CONDUCTORS ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRING, WHETHER SHOWN OR NOT, NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.
3. ALL SHIELDED AND UNSHIELDED CONDUCTORS SHALL BE RUN IN CONDUIT. SHIELDED CONDUCTORS SHALL NOT BE COMBINED WITH UNSHIELDED CONDUCTORS IN ANY CONDUIT. NEITHER SHIELDED NOR UNSHIELDED CONDUCTORS SHALL BE INCLUDED IN THE SAME CONDUIT AS THREE PHASE POWER.
4. THIS DRAWING DOES NOT SHOW CONDUIT SYSTEMS. PROVIDE, AS A MINIMUM, PULL BOXES AS RECOMMENDED BY CONDUCTOR MANUFACTURER. CONDUIT SHALL NOT BE USED AS PULL BOX.
5. CONDUIT SHALL BE SIZED FOR CONDUCTORS SHOWN PLUS REQUIRED SPARES.
6. CONDUCTORS SHALL NOT BE SPLICED EXCEPT AT TERMINALS.

LIST OF ABBREVIATIONS:

- FE - FLOW ELEMENT
- FV - FLOW VALVE
- LE - LEVEL ELEMENT
- ME - MOISTURE ELEMENT
- PRI - PRIMARY (RISER)
- SEC - SECONDARY (RISER)

LEGEND:

- () #12 (QUANTITY) #12 THWN CONDUCTORS
- () #14 (QUANTITY) #14 THWN CONDUCTORS
- () SH. PR. (QUANTITY) SHIELDED PAIR (DUPLINE DATA HIGHWAY)
- () 2 TW PRS (QUANTITY) 2 TWISTED PAIRS CABLE (RS-485 DATA HIGHWAY)
- () F.O.C. (QUANTITY) FIBER OPTIC CABLE (FULL DUPLEX, MULTI-MODE)



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No.	Date	Revisions	By	Ckd

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

State: NY Date Signed: 2/27/10 Project Mgr: WAR
Designed by: LAF Drawn by: LAF Checked by: TPA

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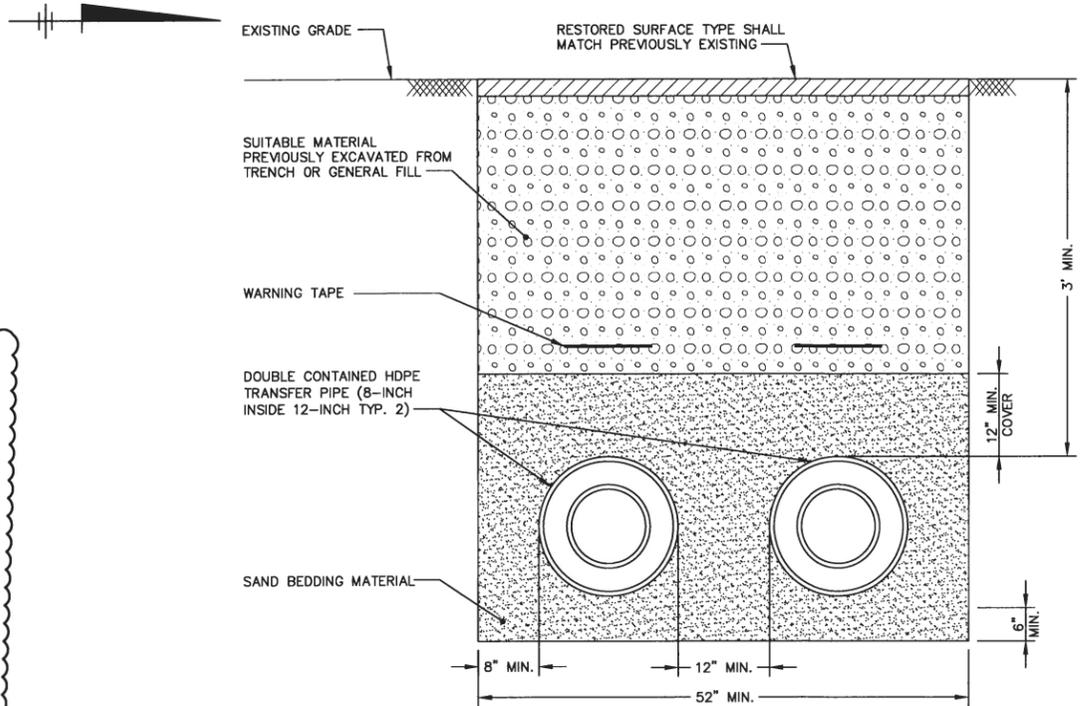
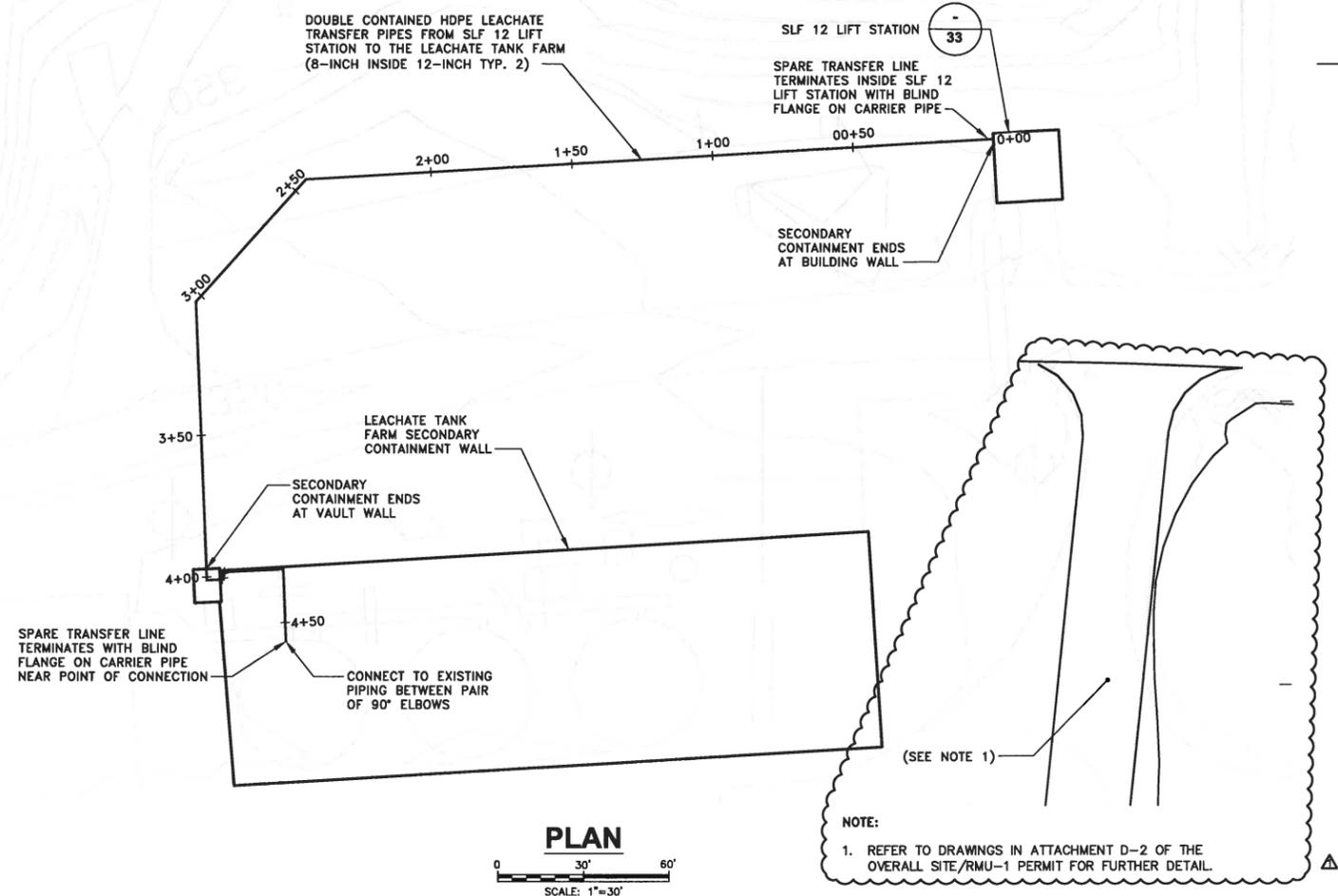
RMU-2 RISER VAULT INSTRUMENTATION DIAGRAM

GENERAL

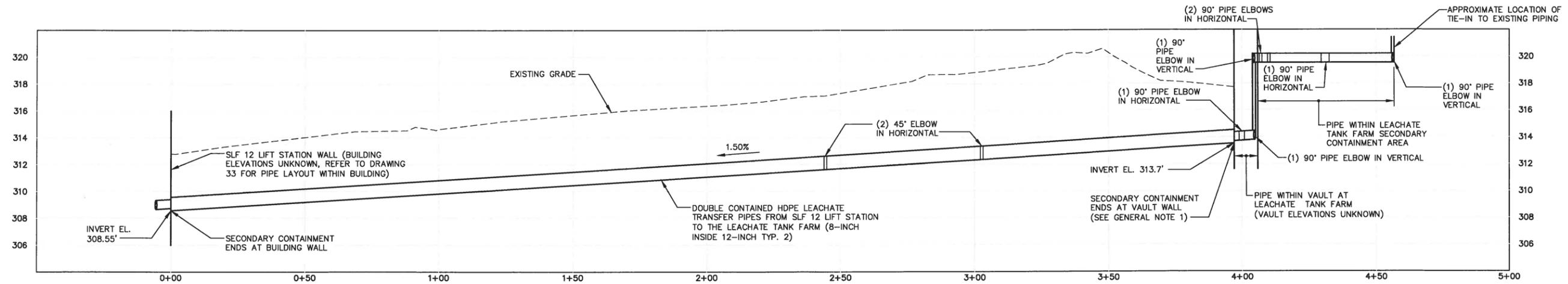
ARCADIS Project No. 80023725.2009.00006
Date: AUGUST 2009
ARCADIS of New York, Inc.
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32

CITY: SYRACUSE DIV/GRP: ENV/CAD DB: K. DAVIS, L. FORAKER, K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LYS: ONF-CFF-REF
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 XREFS: 23725602 23725601 23725600
 IMAGES: PROJECTNAME: 1



TANK T-150 TRANSFER LINE TRENCH DETAIL 1
NOT TO SCALE



PROFILE

GENERAL NOTES:

- SEAL END OF SECONDARY TRANSFER HDPE PIPE FOR TESTING PURPOSES. 1" THICK FLATSTOCK RING TO BE EXTRUSION WELDED TO BOTH PRIMARY AND SECONDARY PIPES.
- ELEVATIONS REFERENCED REPRESENT INVERT OF THE CONTAINMENT PIPE (OUTER).
- SECOND TRANSFER PIPELINE INSTALLED AS SPARE. SPARE TRANSFER LINE TO BE CAPPED AT EACH END FOR FUTURE USE.

SCALE(S) AS INDICATED				
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING:	USE TO VERIFY FIGURE REPRODUCTION SCALE			
No.	Date	Revisions	By	Ckd
1	1/2013	REMOVED FAC POND 5 GRADING AND RENUMBERED DWG	NWF	BMS

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

State: NY Date Signed: 2/27/13 Project Name: WAR Checked by: BMS

Designed by: NWF Drawn by: SJK

ARCADIS
ARCADIS OF NEW YORK, INC.

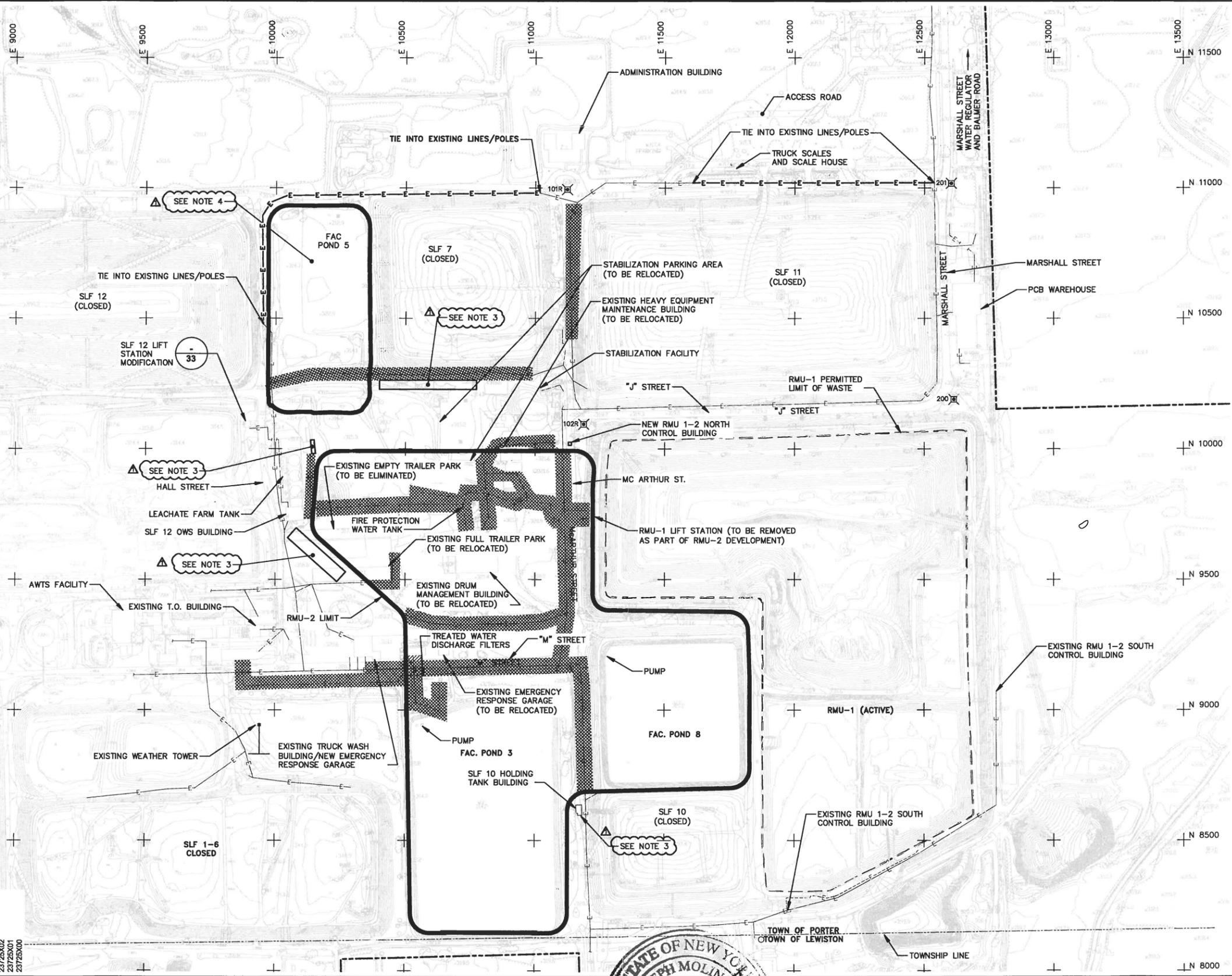


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RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING

TANK T-150 TRANSFER PIPELINES

ARCADIS Project No. B0023725.2009.00006
Date: JANUARY 2012
ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse, New York
TEL. 315.446.9120

CITY: SYRACUSE DIV/GROUP: ENV/CAD DB: K. DAVIS K. DAVIS K. WOOD LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LTR: ON*OFF=REF
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 REFS: 23725X02 23725X01 23725X00



LEGEND:

- BRUSHLINE
- CABLE MARKER
- ⊖ CATCH BASIN
- DROP INLET
- - - FENCE
- ▲ FIRE HYDRANT
- +— GUARD RAIL
- ⊕ LIGHT POLE
- MISCELLANEOUS
- △ POLE
- MONUMENT POST
- +— RAILROAD TRACKS
- ▼ SIGN
- ⊕ SWAMP
- +— TRAFFIC LIGHT
- TREE
- ~ TREELINE
- UNIDENTIFIED OBJECT
- ⊕ UTILITY POLE
- VALVE

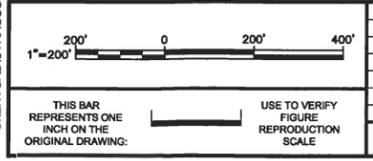
- WATER LINE
- EXISTING CONTOUR
- EXISTING GRADEBREAK
- PROPERTY LINE

- █ ELECTRICAL UTILITIES TO BE REMOVED
- ABOVE-GROUND ELECTRICAL UTILITIES
- UNDERGROUND ELECTRICAL UTILITIES
- PROPOSED ABOVE-GROUND ELECTRICAL UTILITIES

- 200' CONTROL MONUMENT (SEE TABLE BELOW)
- 2 DETAIL REFERENCE NUMBER
- 33 DRAWING REFERENCE NUMBER

COORDINATE GRID (SEE NOTE 3)

- NOTES:**
- REFER TO DRAWING NO. 2 FOR ADDITIONAL BASEMAP INFORMATION.
 - ELECTRICAL UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON SITE OBSERVATIONS MADE IN 2003 BY BLASLAND, BOUCK & LEE, INC. (NOW KNOWN AS ARCADIS) AND INPUT FROM CWM. POINT OF CONNECTION BETWEEN EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE.
 - REFER TO DRAWINGS IN ATTACHMENT D-1 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
 - REFER TO DRAWINGS IN ATTACHMENT D-2 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
 - ALL UTILITY MODIFICATIONS MAY NOT BE NECESSARY FOR THE CONSTRUCTION OF INDIVIDUAL ELEMENTS.



No.	Date	RENUMBERED DWG., REVISED CALLOUTS & NOTES	By	Ckd
2/2013				

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

State: NY Date Signed: 2/27/12 Project: WAR
Designed by: BMS/NWF Drawn by: SJK Checked by: BMS



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SITE ELECTRICAL FEED RELOCATION PLAN

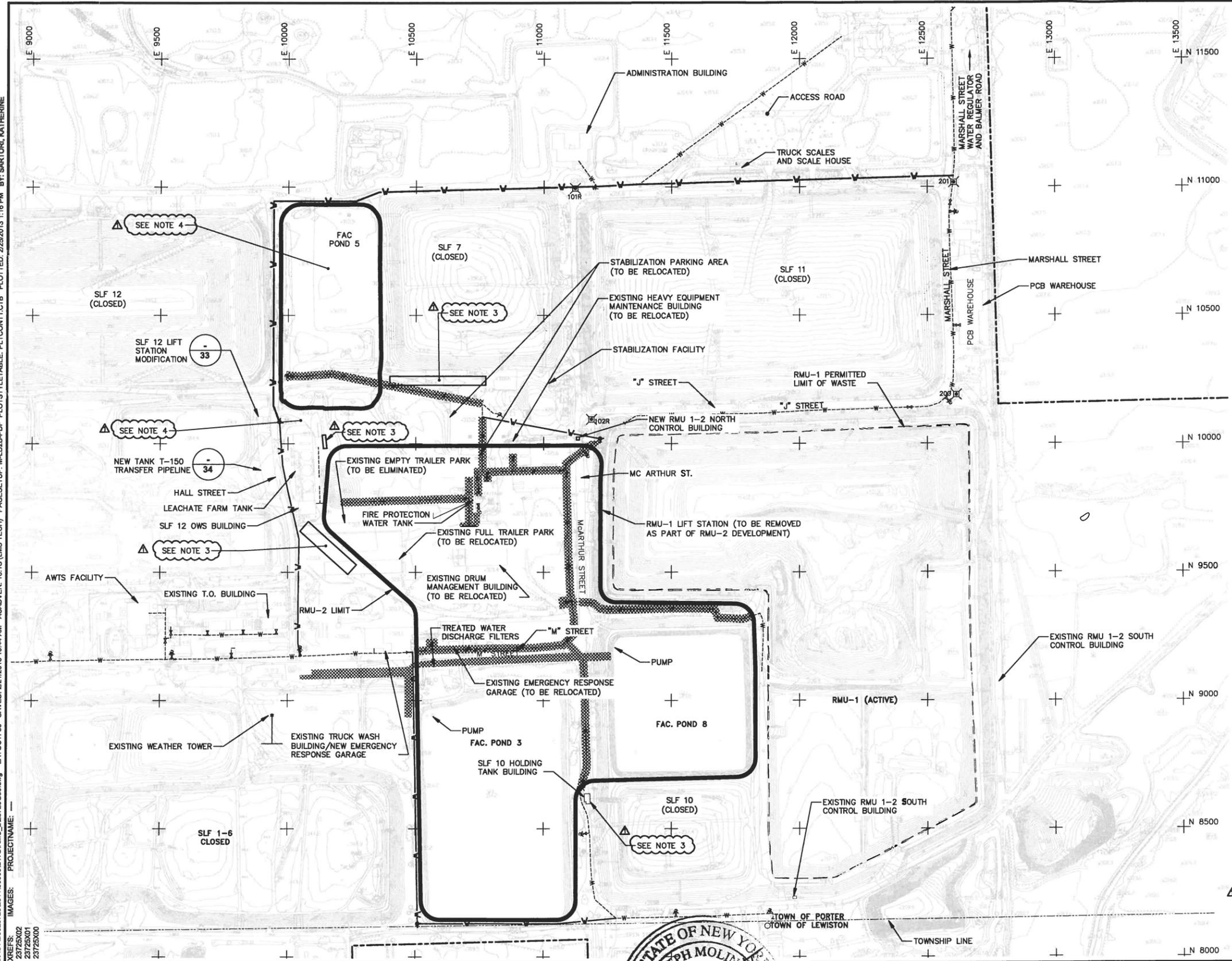
GENERAL

ARCADIS Project No.
B0023725.2009.00008

Date
AUGUST 2009

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 68
Syracuse, New York
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CITY: SYRACUSE DIV/GROUP: ENVCAD DB: K. DAVIS K. DAVIS K. WOOD LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LVR: ON="OFF=REF"
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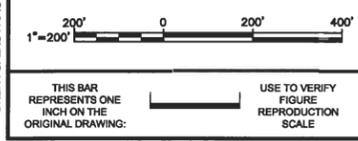


LEGEND:

- BRUSHLINE
- CABLE MARKER
- CATCH BASIN
- DROP INLET
- FENCE
- FIRE HYDRANT
- GUARD RAIL
- LIGHT POLE
- MISCELLANEOUS
- POLE
- MONUMENT POST
- RAILROAD TRACKS
- SIGN
- SWAMP
- TRAFFIC LIGHT
- TREE
- TREELINE
- UNIDENTIFIED OBJECT
- UTILITY POLE
- VALVE
- PROPOSED FIRE HYDRANT
- POTABLE WATER
- REROUTE OF WATER SUPPLY
- NEW WATERLINE
- EXISTING CONTOUR
- EXISTING GRADEBREAK
- PROPERTY LINE
- ACTIVE WATER SUPPLY LINES TO BE DISCONNECTED AND ABANDONED IN PLACE AND/OR REMOVED
- 200' CONTROL MONUMENT
- 2
- 33
- COORDINATE GRID

NOTES:

1. REFER TO DRAWING NO. 2 FOR ADDITIONAL BASEMAP INFORMATION.
2. WATER SUPPLY LINES SHOWN ARE APPROXIMATE AND ARE BASED ON SITE OBSERVATIONS MADE IN 2003 BY BLASLAND, BOUCK & LEE, INC. (NOW KNOWN AS ARCADIS) AND INPUT FROM CWM. POINT OF CONNECTION BETWEEN EXISTING AND PROPOSED WATER SUPPLY LINES ARE APPROXIMATE.
3. REFER TO DRAWINGS IN ATTACHMENT D-1 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
4. REFER TO DRAWINGS IN ATTACHMENT D-2 OF THE OVERALL SITE/RMU-1 PERMIT FOR FURTHER DETAIL.
5. ALL UTILITY MODIFICATIONS MAY NOT BE NECESSARY FOR THE CONSTRUCTION OF INDIVIDUAL ELEMENTS.



No.	Date	Revisions	By	Ckd
2/2013		RENUMBERED DWG., REVISED CALLOUTS AND NOTES		

Professional Engineer's Name
JOSEPH MOLINA

Professional Engineer's No.
072644

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

ARCADIS
ARCADIS OF NEW YORK, INC.

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

SITE WATER SUPPLY RELOCATION PLAN

GENERAL

ARCADIS Project No. B0023725.2009.00006
 Date: JANUARY 2012
 ARCADIS of New York, Inc.
 6723 Towpath Road
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 Syracuse, New York
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36