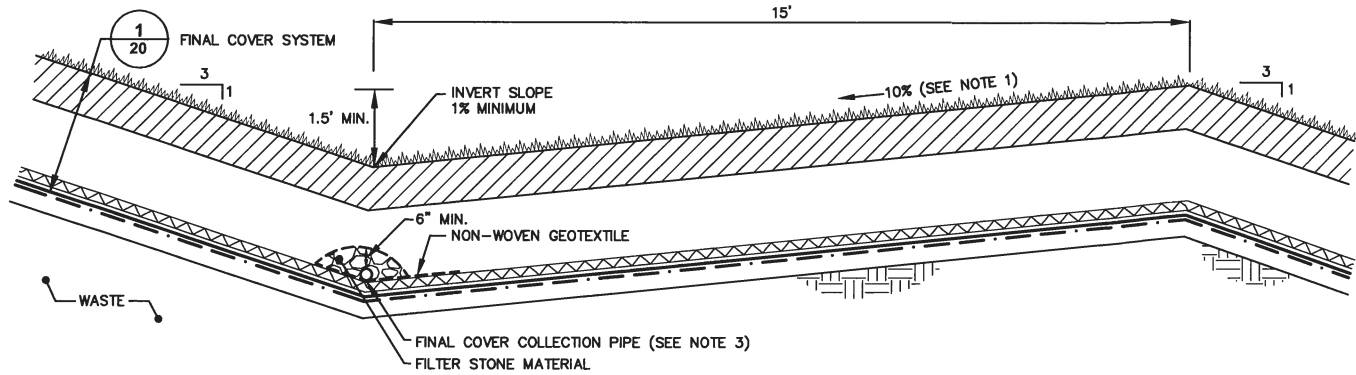
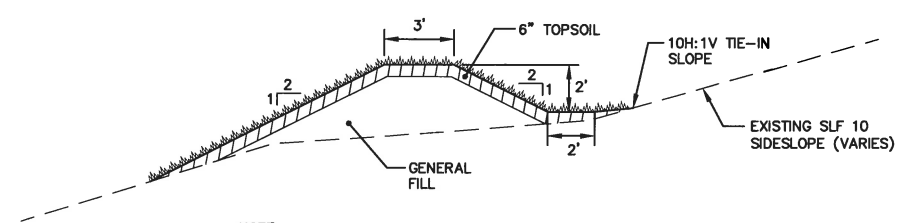




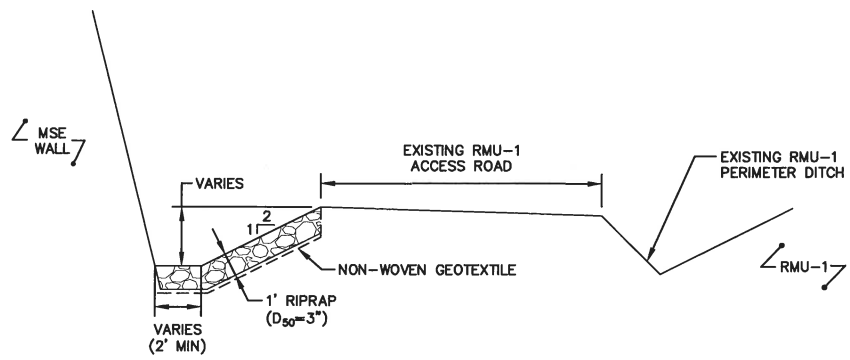
- NOTES:
1. MINIMUM OUTBOARD CHANNEL SIDESLOPE FOR UNCAPPED AREAS IS 10%.
 2. INTERIOR SIDESLOPES OF SURFACE WATER DIVERSION BERMS SHALL BE LINED WITH TEMPORARY EROSION CONTROL MAT.
 3. FINAL COVER COLLECTION PIPE SHALL BE 6"Ø. PIPES SHALL BE PERFORATED SMOOTH-BORE CORRUGATED HDPE.

SURFACE WATER DIVERSION BERM 1
NOT TO SCALE

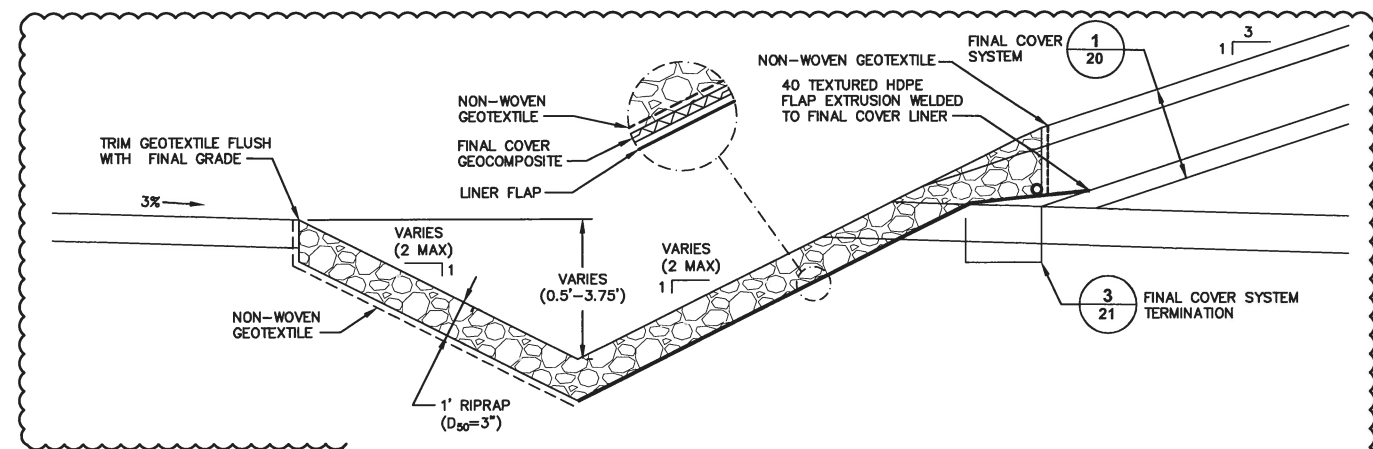


- NOTE:
1. INTERIOR SIDESLOPES OF SLF 10 DIVERSION CHANNEL SHALL BE LINED WITH TEMPORARY EROSION CONTROL MAT.

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

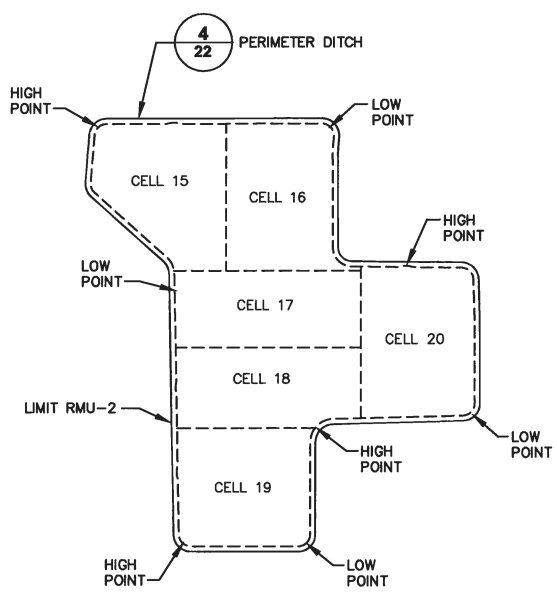


RMU-1/RMU-2 DITCH 3
SCALE: 1"=4'

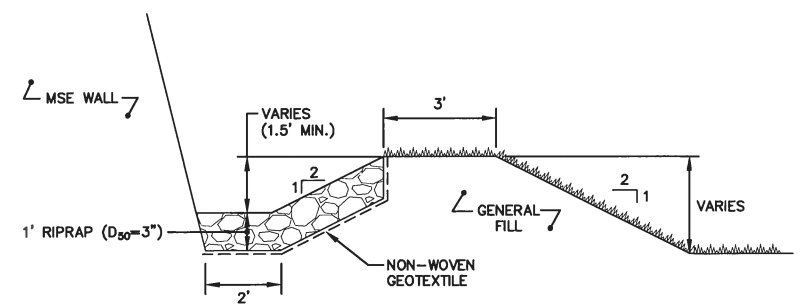


- NOTES:
1. RIPRAP LINING MAY BE INSTALLED IMMEDIATELY FOLLOWING CONSTRUCTION OF DITCH OR DELAYED UNTIL CONSTRUCTION OF ADJACENT FINAL COVER AREAS. IF RIPRAP IS INSTALLED IMMEDIATELY FOLLOWING DITCH CONSTRUCTION, LINER FLAP SHALL BE OMITTED UNTIL ADJACENT FINAL COVER AREAS ARE CONSTRUCTED.

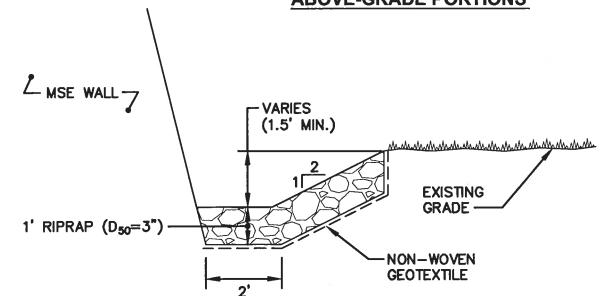
PERIMETER DITCH 4
SCALE: 1"=2.5'



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



ABOVE-GRADE PORTIONS



BELOW-GRADE PORTIONS

SLF 10 DITCH 5
SCALE: 1"=2.5'

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

CITY: SYRACUSE DIV/GRP: ENV/CD DB: K. DAVIS K. SARTORI K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LVR: ON=OFF=REF*
G:\ENV\CD\SYRACUSE\ACT\B0023725\2011\00003\DWG\RMU_2023725\25022.dwg LAYOUT: 22 SAVED: 2/25/2013 1:32 PM ACADVER: 18.1S (LMS TECH) PAGES: 22
XREFS: IMAGES: PROJECTNAME: 23725X00

SCALE(S) AS INDICATED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</
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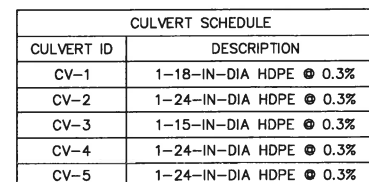
Professional Engineer's Name JOSEPH MOLINA		Professional Engineer's No. 072644	
State NY	Date Signed 2/21/13	Project Mgr. WAR	Checked by BMS
Designed by BMS/PTO	Drawn by SJK		



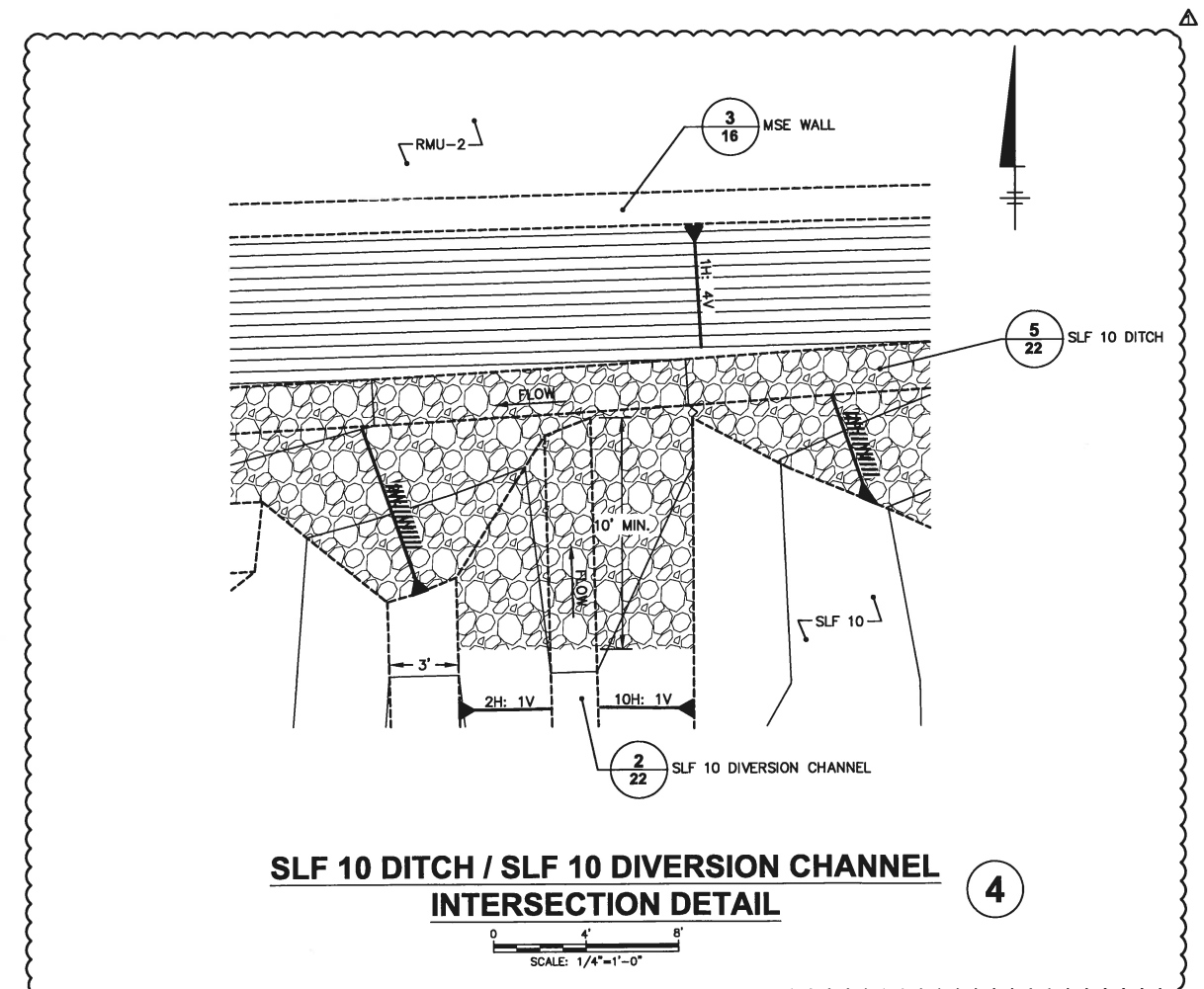
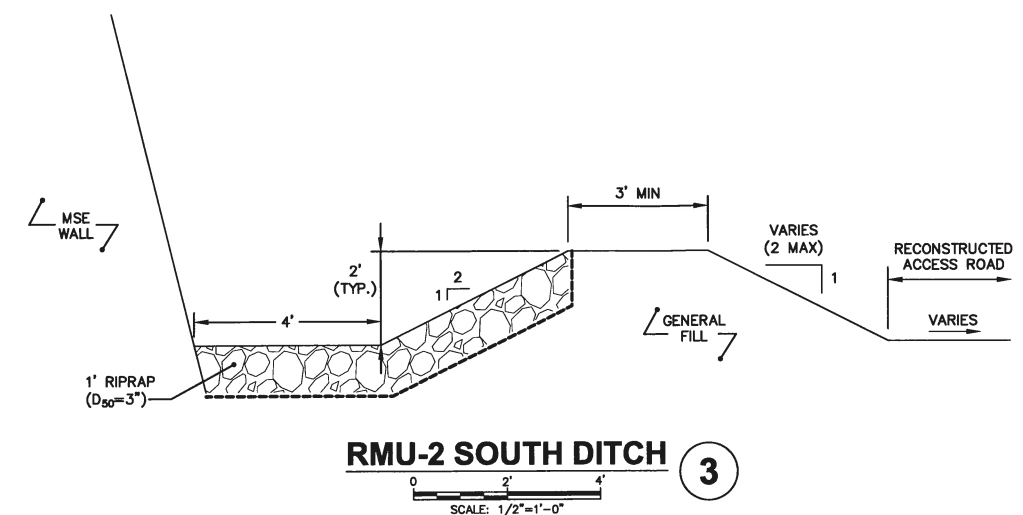
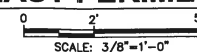
ARCADIS
ARCADIS OF NEW YORK, INC.

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



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





①



ARCADIS OF NEW YORK, INC.



2)

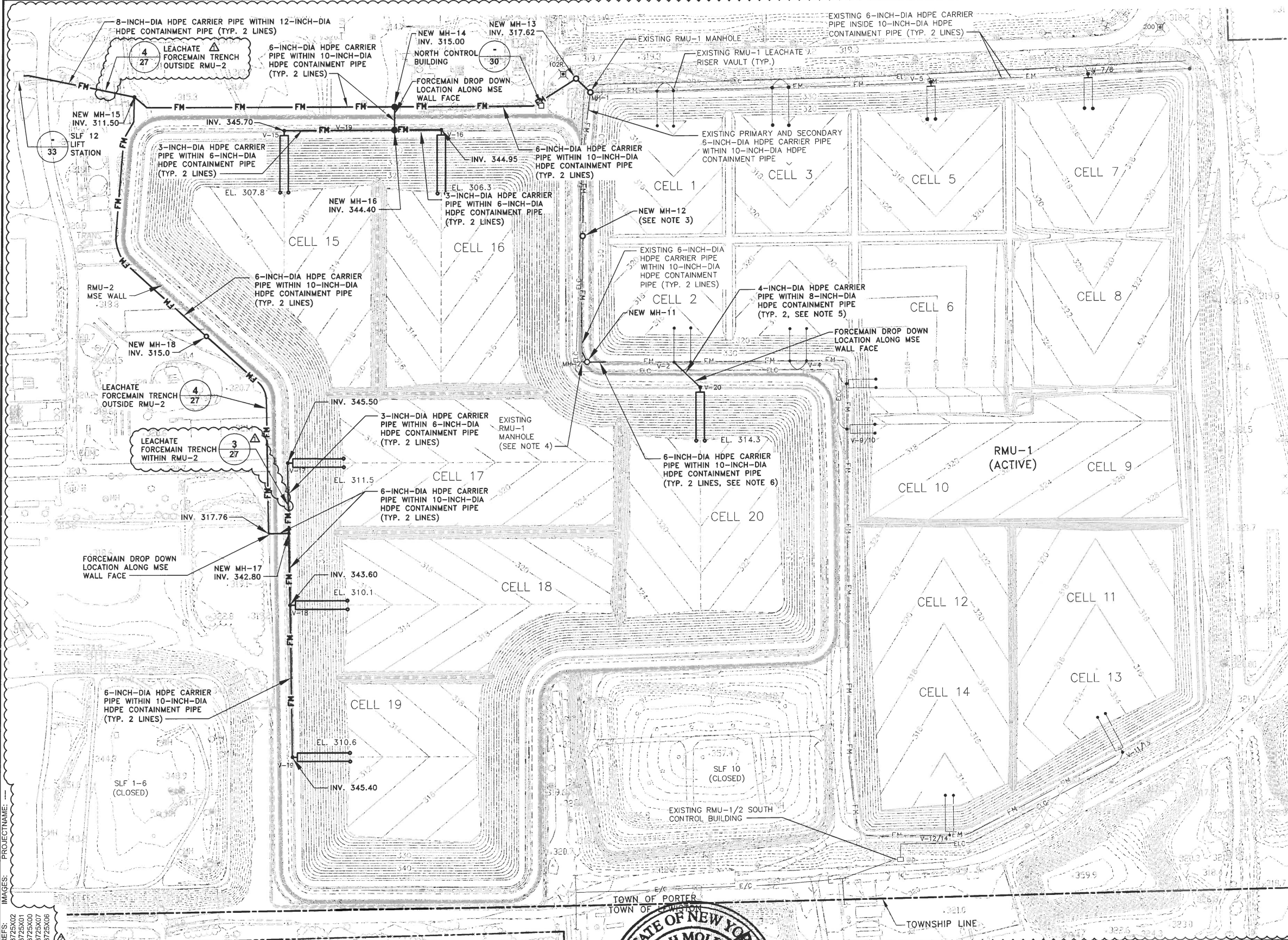
NOT TO SCALE

GENERAL

25

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CITY: SYRACUSE DIV/GRUP: ENVCAD DB: K. DAVIS L. FORAKER K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LYN: ONT-OFF=REF-
G:\ENVCAD\SYRACUSE\ACT\B0023725\201100003\DWG\RMU_2\23725G06.dwg LAYOUT: 26 SAVED: 8/14/2013 9:09 AM ACADVER: 18.15 (LMS TECH) PAGES: 27 PLOT: 26 PLOTSTYLETABLE: PLTCONT1.CTB PLOTTED: 8/14/2013 9:12 AM BY: STEINBERGER, GEORGE



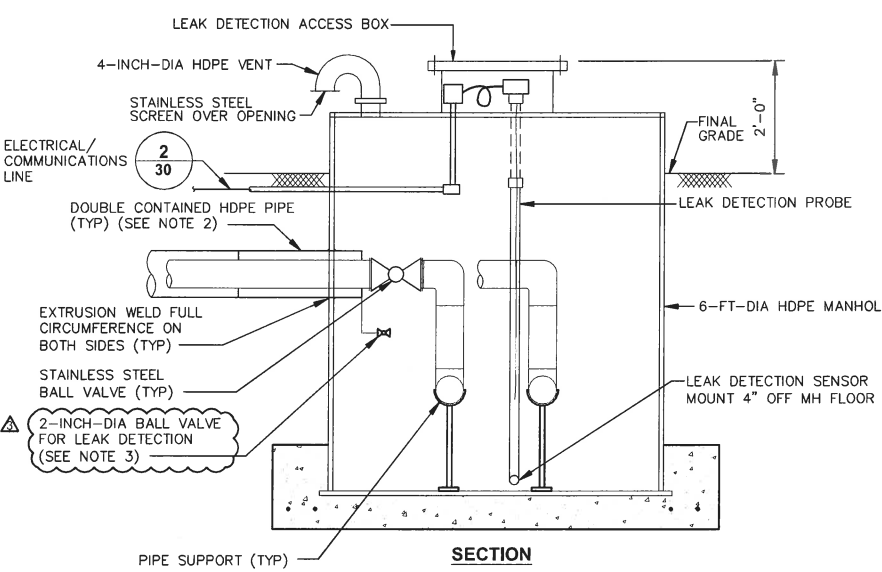
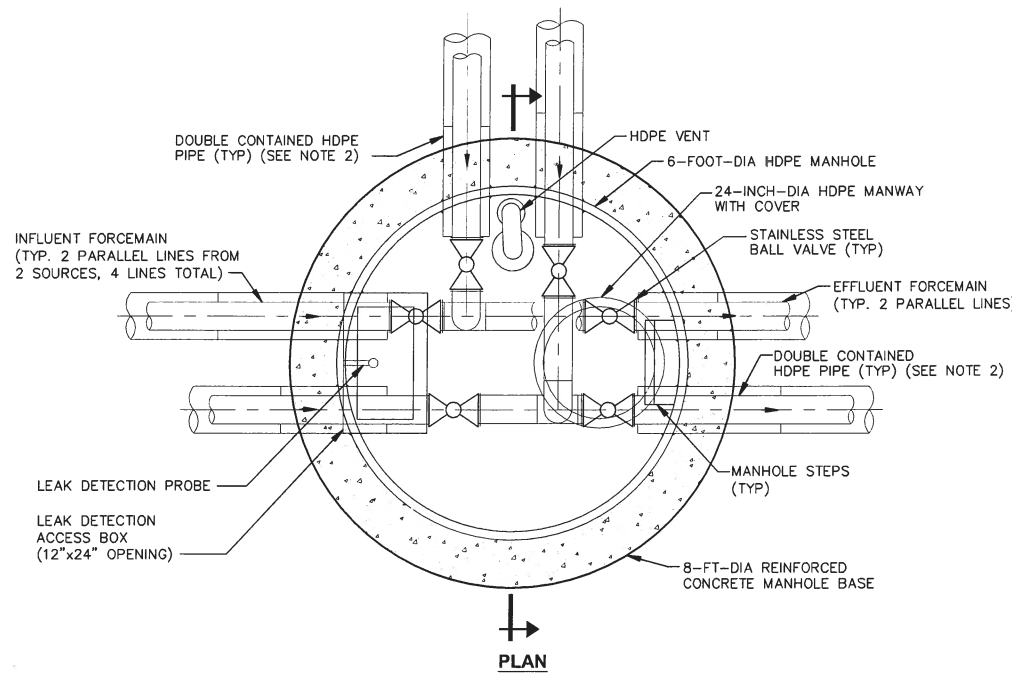
LEGEND:

- 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)
- LEACHATE TRANSFER MANHOLE (TYP. MH-11, MH-12, MH-13 AND MH-18)
- EL 311.02 TOP OF OPERATIONS LAYER ELEVATION AT CELL LOW POINT
- 200' PERMANENT CONTROL MONUMENT
- 12500' N 10000' COORDINATE GRID
- 2 • DETAIL REFERENCE NUMBER
- 14 • DRAWING REFERENCE NUMBER

- NOTES:**
- REFER TO DRAWING NO. 2 FOR ADDITIONAL BASE MAP INFORMATION.
 - 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.
 - EXISTING RMU-1 LIFT STATION TO BE REMOVED. EXISTING FORCEMAIN TO TIE INTO NEW MH-12 NEAR FORMER LIFT STATION LOCATION.
 - EXISTING MH-2 TO BE REMOVED AND REPLACED WITH NEW MH-11 AND TIE IN WITH EXISTING FORCEMAIN.
 - RMU-2 CELL 20 LEACHATE TRANSFER SYSTEM TO TIE INTO EXISTING RMU-1 FORCEMAIN AT CELL 2 VAULT.
 - 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.
 - PIPE INVERTS REPRESENT INVERT ELEVATION OF INNER CARRIER PIPE.

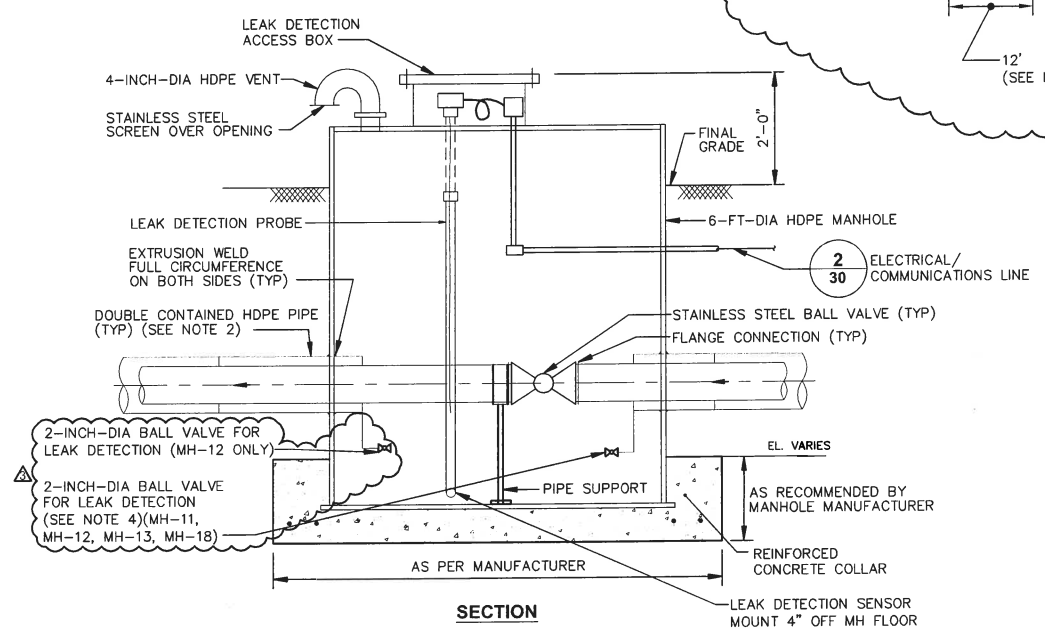
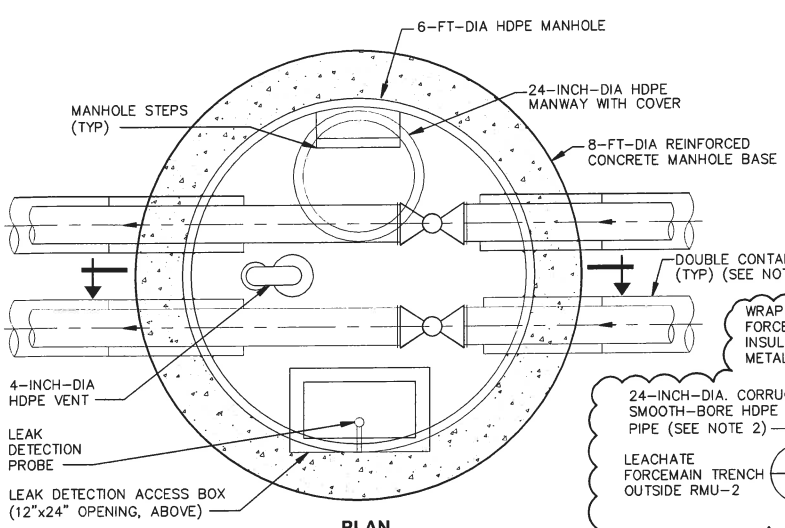
		Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644 State NY Date Signed 8/15/13 Project Mgr. WAR Checked by BMS		CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING LEACHATE TRANSFER SYSTEM PLAN GENERAL		ARCADIS Project No. B0023725.2009.00006 Date AUGUST 2009 ARCADIS of New York, Inc. 6723 Towpath Road P.O. Box 66 Syracuse, New York TEL: 315.446.9120	26
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY FIGURE REPRODUCTION SCALE		THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REUSED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.		Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644 State NY Date Signed 8/15/13 Project Mgr. WAR Checked by BMS		ARCADIS of New York, Inc.	

CITY: SYRACUSE DIV: GROUP: ENV: CAD DB: G. STOWELL L. FORAKER K. DAVIS LD: PIC: W. PORHAM PM: V. RANKIN TM: B. STONE LTR: ONE-OFF=REF-
 G:\ENV\CAD\SYRACUSE\PROJECTS\201409232\DWG\RMU_2\23725G27.dwg LAYOUT: 27 SAVED: 8/14/2013 9:09 AM ACADVER: 18.15 (LMS TECH) PAGES: 27 PLOT: 8/14/2013 9:12 AM BY: STEINBERGER, GEORGE
 PROJECTNAME: 23725X00



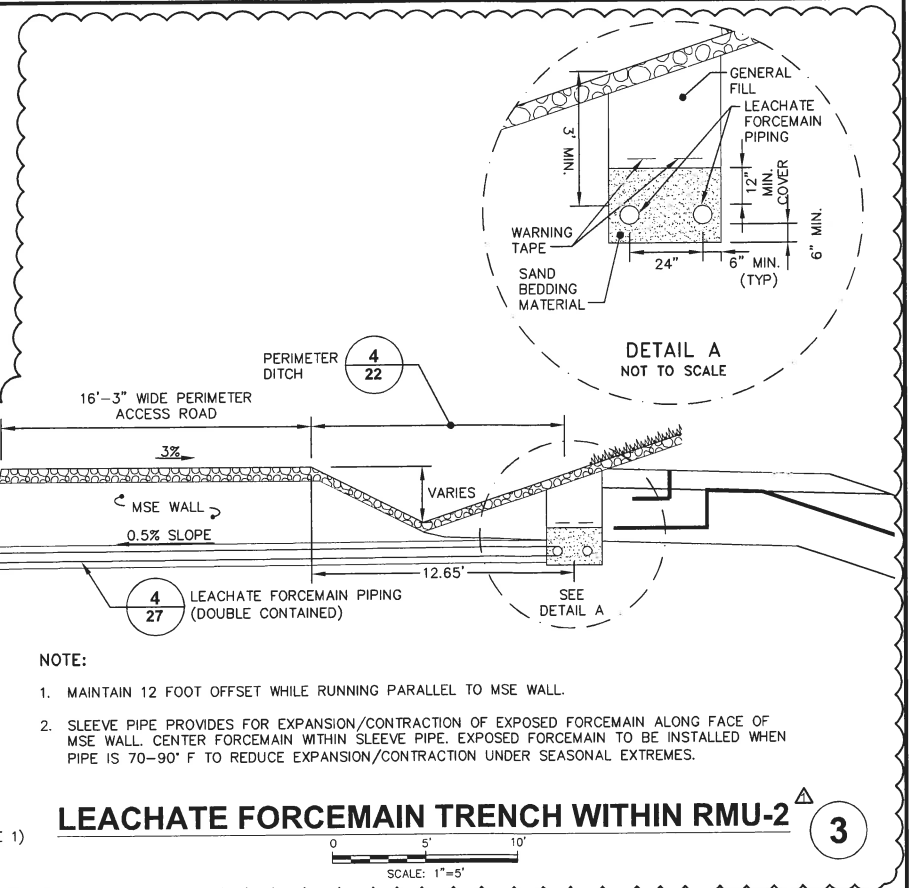
- NOTES:**
1. TYPICAL DETAIL FOR MANHOLES MH-14, MH-15, MH-16, AND MH-17. SEE DRAWING 26 FOR MANHOLE LOCATION.
 2. PIPE SIZES VARY DEPENDING ON MANHOLE LOCATION. SEE DRAWING 26 FOR PIPE SIZES.
 3. LEAK DETECTION PIPE AND VALVES INSTALLED AT LOW POINTS OF DOUBLE CONTAINED HDPE PIPE ONLY.
 4. SEAL END 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



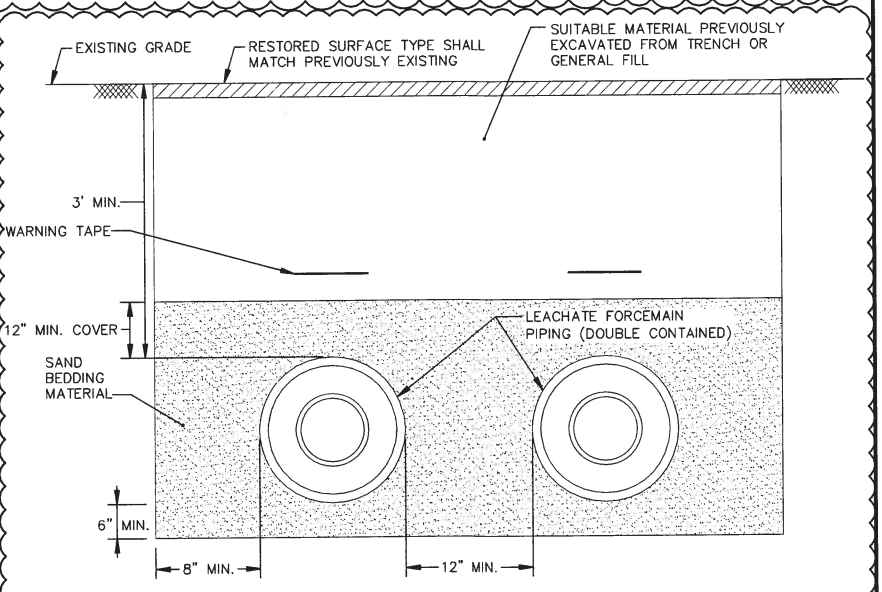
- NOTES:**
1. TYPICAL DETAIL FOR MANHOLES MH-11, MH-12, MH-13, AND MH-18. SEE DRAWING 26 FOR MANHOLE LOCATION.
 2. PIPE SIZES VARY DEPENDING ON MANHOLE LOCATION. SEE DRAWING 26 FOR PIPE SIZES.
 3. PIPE PENETRATION AND CONFIGURATION INSIDE MANHOLES MAY VARY DEPENDING ON MANHOLE LOCATION.
 4. LEAK DETECTION 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



- 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.

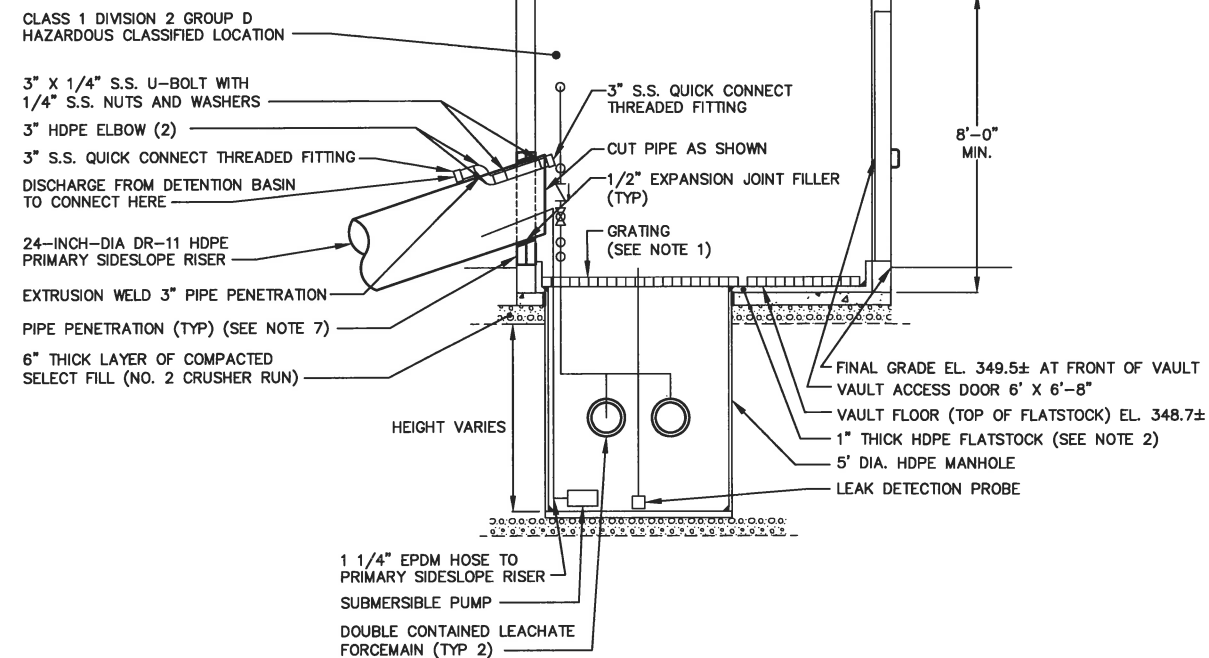
LEACHATE FORCEMAIN TRENCH WITHIN RMU-2



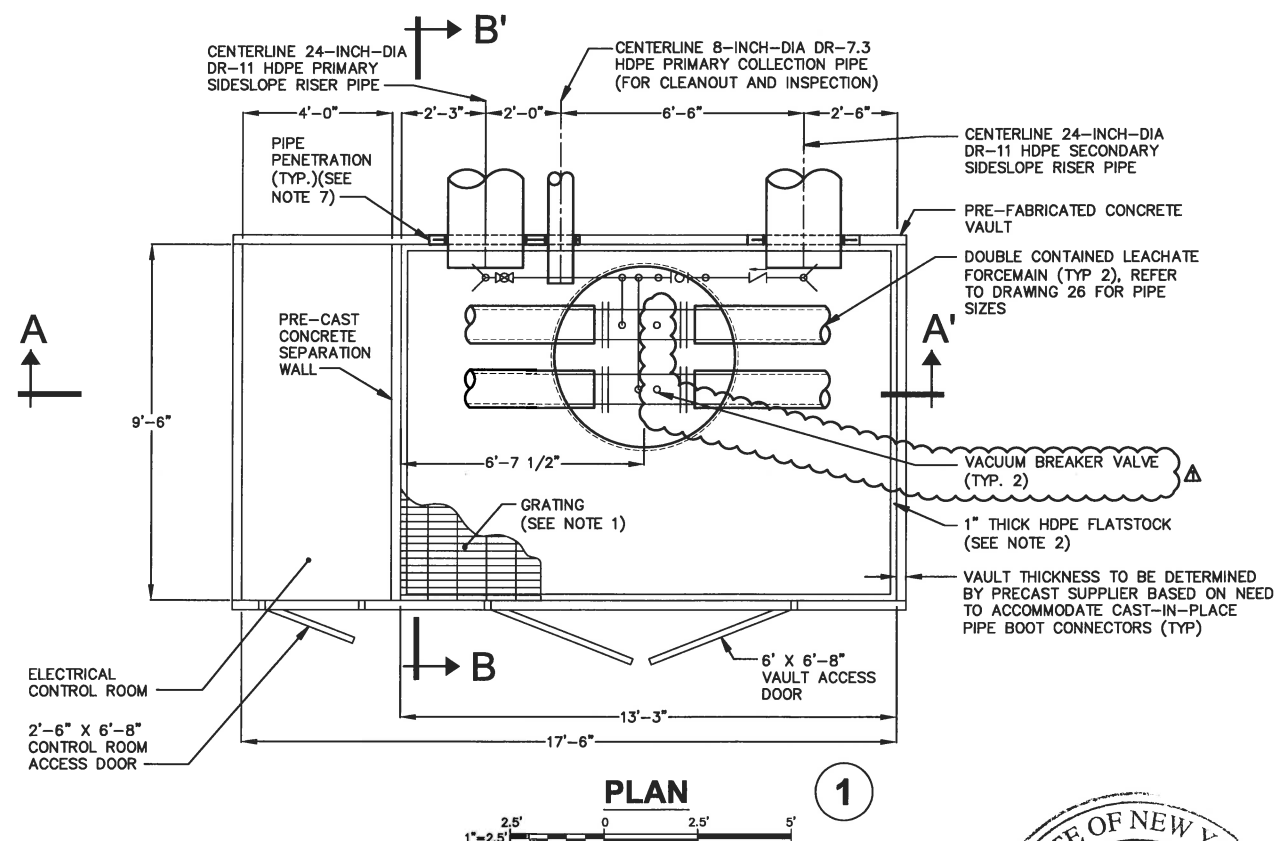
LEACHATE FORCEMAIN TRENCH OUTSIDE RMU-2

- GENERAL NOTE:**
1. ALL PIPING EXCEPT MSE WALL SLEEVE PIPE TO BE HDPE DR-11

NOT TO SCALE		Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644		CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING LEACHATE COLLECTION AND TRANSFER SYSTEM DETAILS		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	
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING:		USE TO VERIFY FIGURE REPRODUCTION SCALE		THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REUSED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.		27	



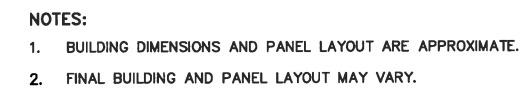
SECTION B-B'



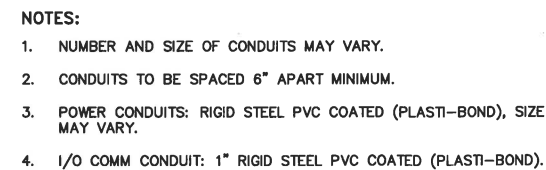
1. GRATING TO BE FIBERGLASS CONSTRUCTION, PLACED LOOSE, WITH REMOVABLE SECTION OVER MANHOLE TO FACILITATE ACCESS.
2. 1" THICK HDPE FLATSTOCK WITHIN VAULT TO BE CONTINUOUS, HEAT FUSED AT ALL SEAMS, AND TO TOP EDGE OF HDPE MANHOLE.
3. LOCATE VAULT LEAK DETECTION PROBE ON INLET SIDE OF LEACHATE COLLECTION/TRANSFER PIPING.
4. ALL PIPING TO BE HDPE DR-11.
5. RISER VAULT PIPING CONFIGURATIONS MAY VARY WITH FIELD CONDITIONS.
6. SEE DRAWING NO. 31 FOR ELECTRICAL DETAILS.
7. PIPE PENETRATIONS SHALL BE ACHIEVED USING CAST-IN-PLACE BOOT CONNECTORS.
8. ANY PROPOSED ALTERNATE BUILDING DESIGNS TO BE APPROVED BY ENGINEER.
9. INSTALL LEAK DETECTION VALVES AT LOW POINTS ONLY.
10. SEAL END OF SECONDARY TRANSFER HDPE PIPE FOR TESTING PURPOSES. 1" THICK FLATSTOCK RING TO BE EXTRUSION WELDED TO BOTH PRIMARY AND SECONDARY PIPES.
11. PIPE LAYOUTS SHOWN WITHIN RISER VAULTS ARE PRELIMINARY AND MAY BE MODIFIED BASED ON AS-BUILT CONDITIONS WITHIN THE VAULTS AND/OR TO ACCOMMODATE SPECIFIC RECOMMENDATIONS FROM EQUIPMENT MANUFACTURERS.

A

[illegible]



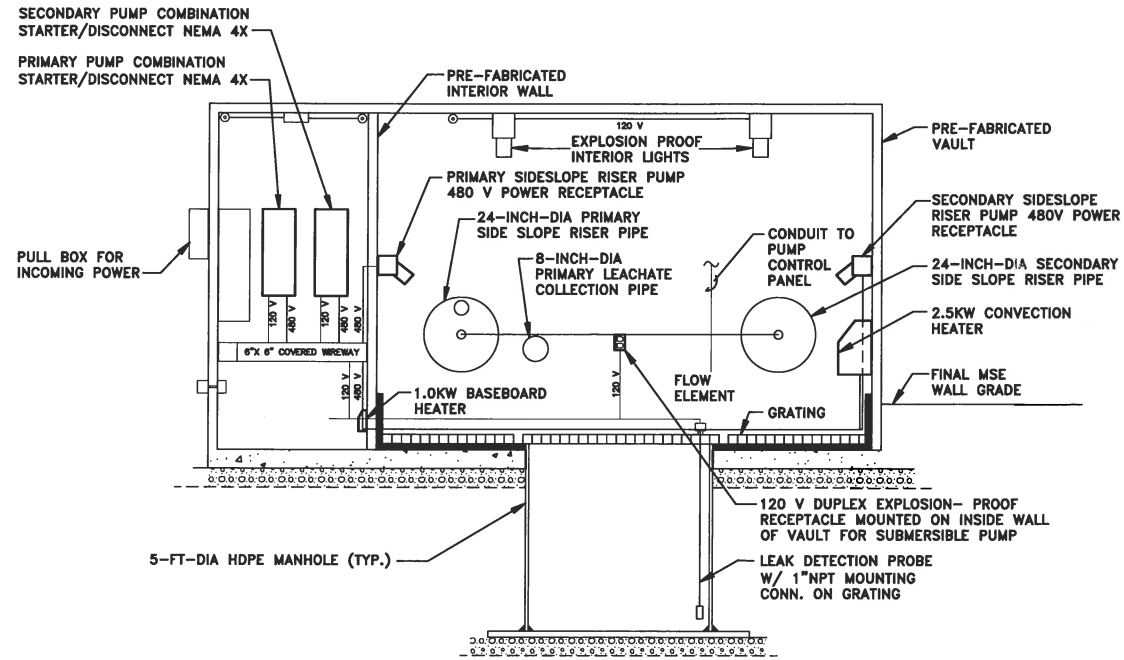
SECTION A-A'



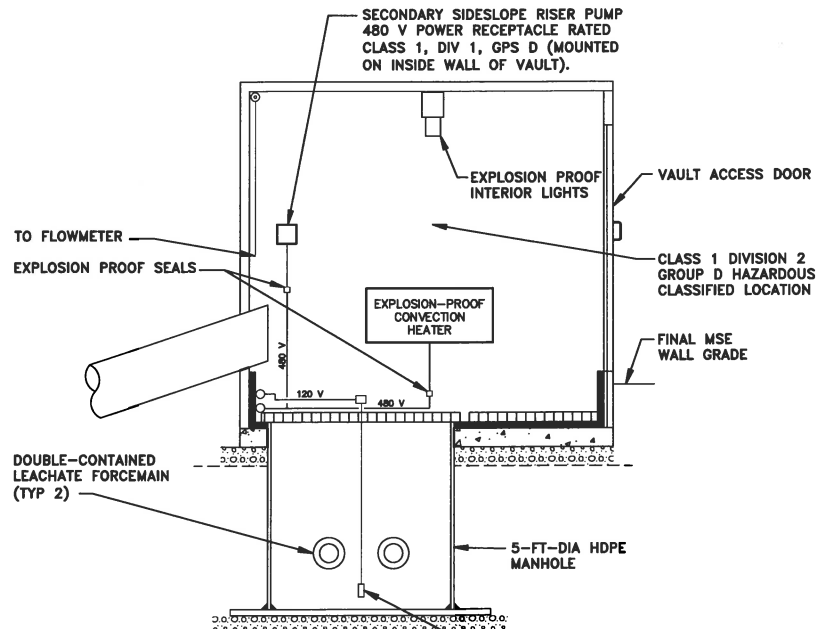
TYPICAL UNDERGROUND CONDUIT INSTALLATION DETAIL

NOT TO SCALE		Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644		 ARCADIS ARCADIS OF NEW YORK, INC.		CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING		ARCADIS Project No. B0023725.2009.00006		30
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: 		USE TO VERIFY REPRODUCTION SCALE		State NY Date Signed 2/27/13 Project No. WAR Checkered by TPA		Date AUGUST 2009		ARCADIS of New York, Inc. 6723 Towpath Road P.O. Box 68 Syracuse, New York TEL. 315.446.9120		
THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REUSED OR ALTERED IN WHOLE OR IN PART WITHOUT THE		No. Date Revisions By Ckd		Designed by ACS INC Drawn by S.I.K		GENERAL				

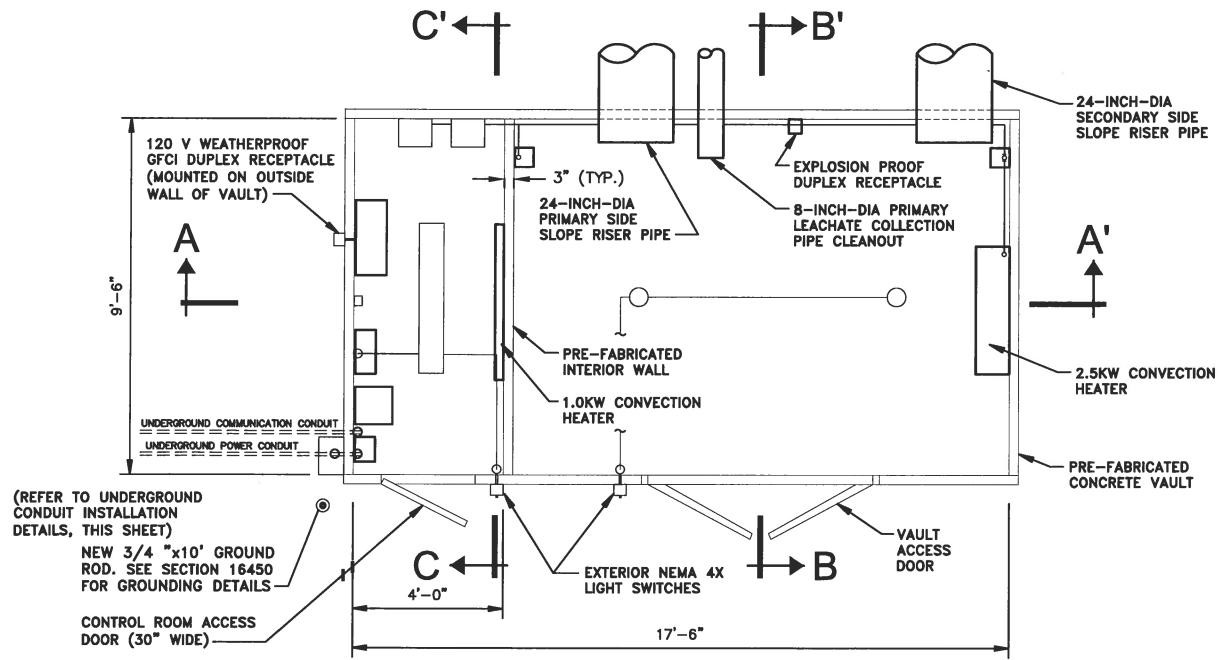
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PROJECTNAME: 23725X00
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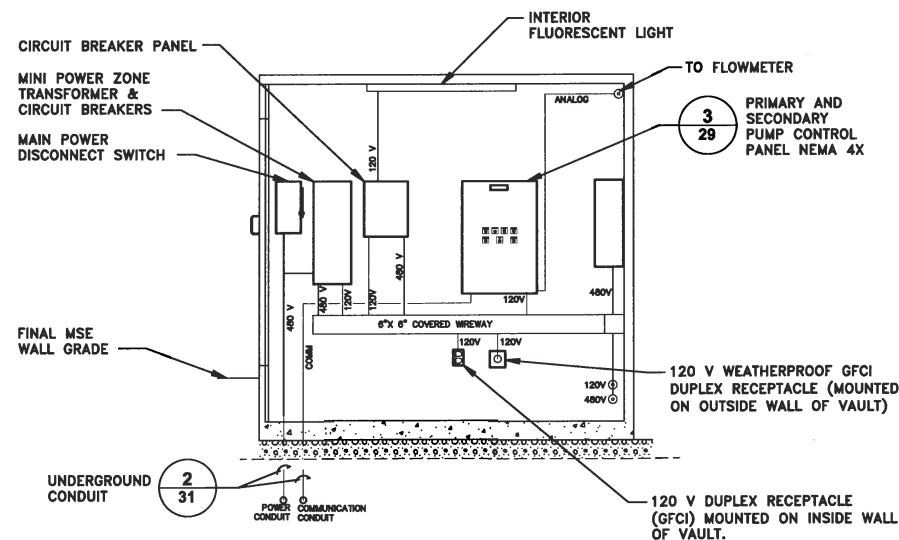
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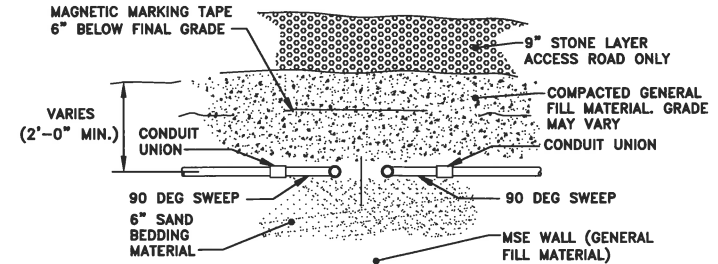
SECTION B-B'



PLAN 1

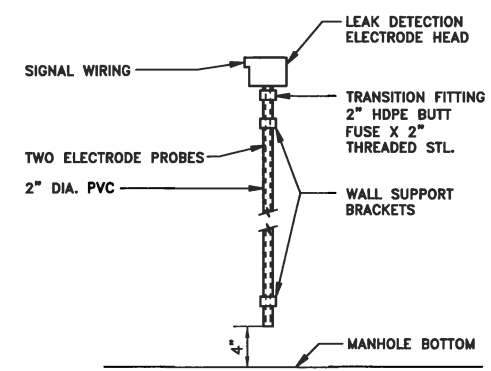


SECTION C-C'



- 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



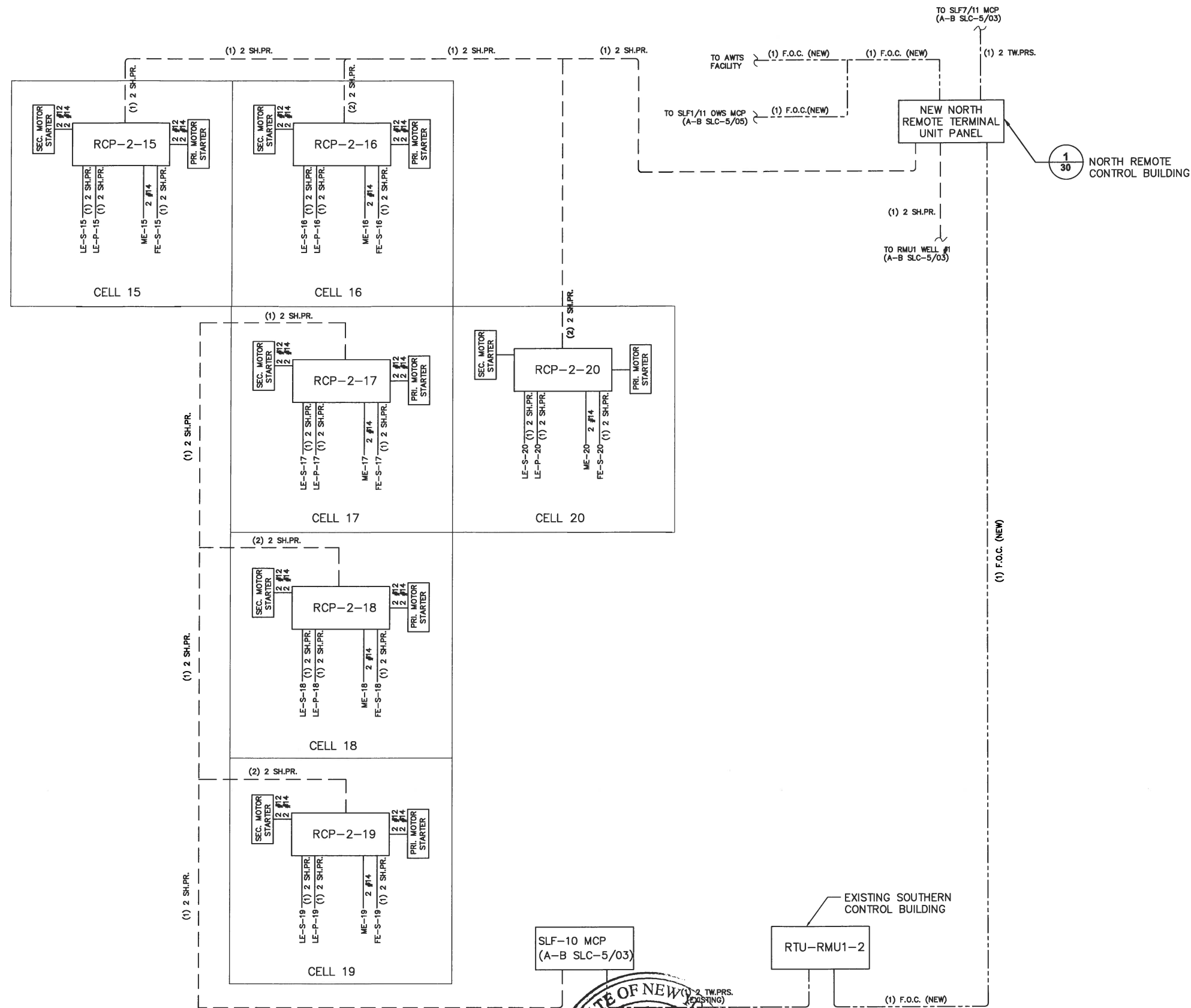
- NOTES:
1. MOUNT PROBE FITTING 6" ABOVE GRATING IN RISER VAULTS.
 2. EXTEND ELECTRODES TO 1/2" ABOVE BOTTOM OF 2" HDPE PIPE.

RISER VAULT LEAK DETECTION DETAIL

- GENERAL NOTES:
1. LINework 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		Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644		State NY		Date Signed 2/27/13		Project Mgr. WAR		Checked by TPA		Designed by ACS, INC.		Drawn by LAF		Professional Engineer's Seal JOSEPH MOLINA 072644 STATE OF NEW YORK ELECTRICAL ENGINEER		ARCADIS ARCADIS OF NEW YORK, INC.		CH2M CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING 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 66 Syracuse, New York TEL. 315.446.9120		31	
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING.		USE TO VERIFY FIGURE REPRODUCTION SCALE		THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REUSED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.																					

CITY: SYRACUSE DIV: GROUP: ENV: CAD: DB: L. FORAKER K. DAVIS LD: PIC: W. POPHAM PM: W. RANKIN TM: B. STONE LVR: ON: "OFF" "REF" XREFS: 22725X00 IMAGES: PROJECTNAME: PLTCONT1.CTB 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)

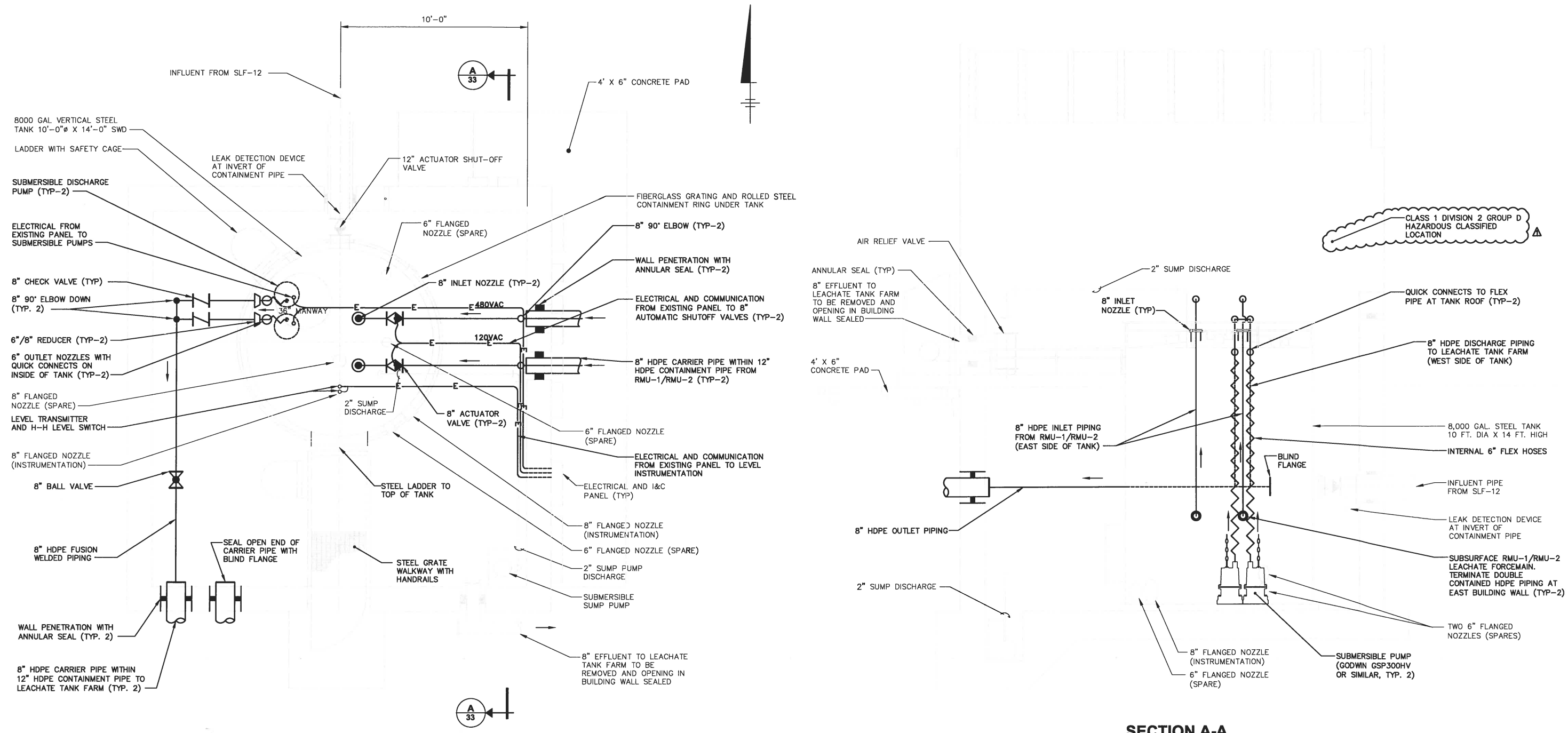
LEGEND:

- () #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	
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Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644			State NY Date Signed 2/27/10 Project Mgr. WAR Checked by TPA		
Designed by ACS, INC.			Drawn by LAF		
ARCADIS OF NEW YORK, INC.					
CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING					
RMU-2 RISER VAULT INSTRUMENTATION DIAGRAM					
GENERAL					
ARCADIS Project No. B0023725.2009.00006 Date AUGUST 2009 ARCADIS of New York, Inc. 6723 Tawpath Road P.O. Box 66 Syracuse, New York TEL. 315.446.9120				32	

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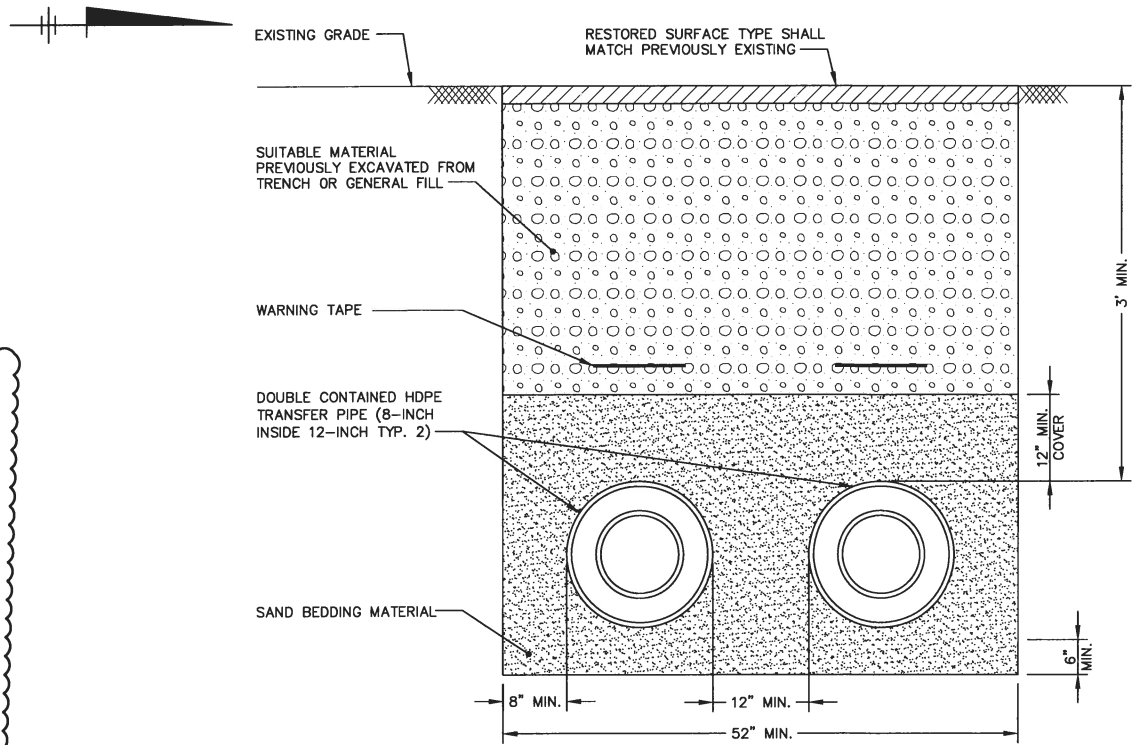
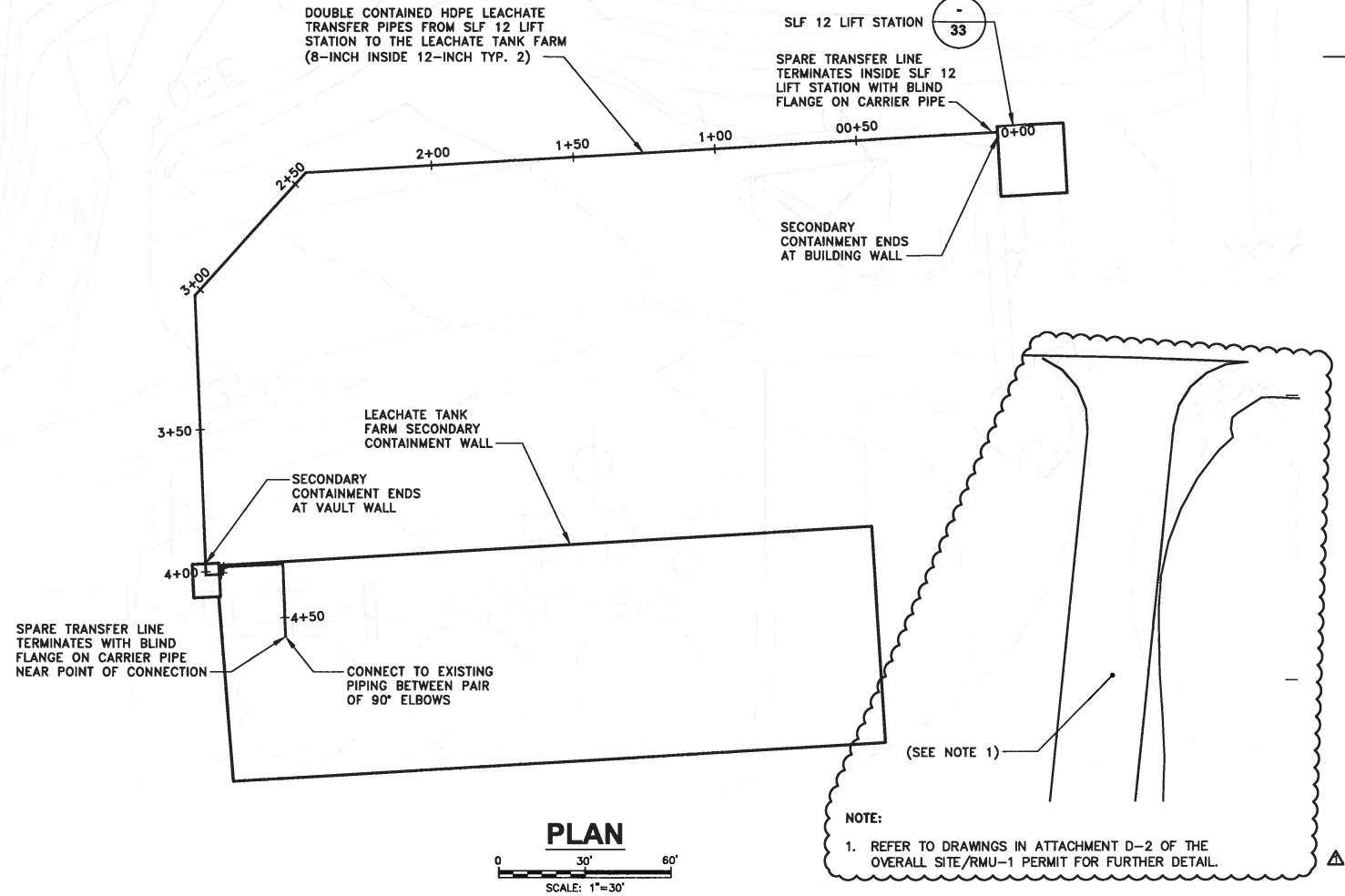
PROCESS PLAN

SECTION A-A

NOTES:

- 1. BASEMAP INFORMATION ON THIS DRAWING WAS DIGITIZED FROM A PHOTOCOPY PROVIDED BY CWM.
- 2. EXISTING TANK DISCHARGE LINES NOT SHOWN FOR CLARITY.
- 3. EXISTING TANK DISCHARGE LINES (INCLUDING PIPES, VALVES, PUMPS, ETC.) TO BE REMOVED AND REPLACED AS REQUIRED.

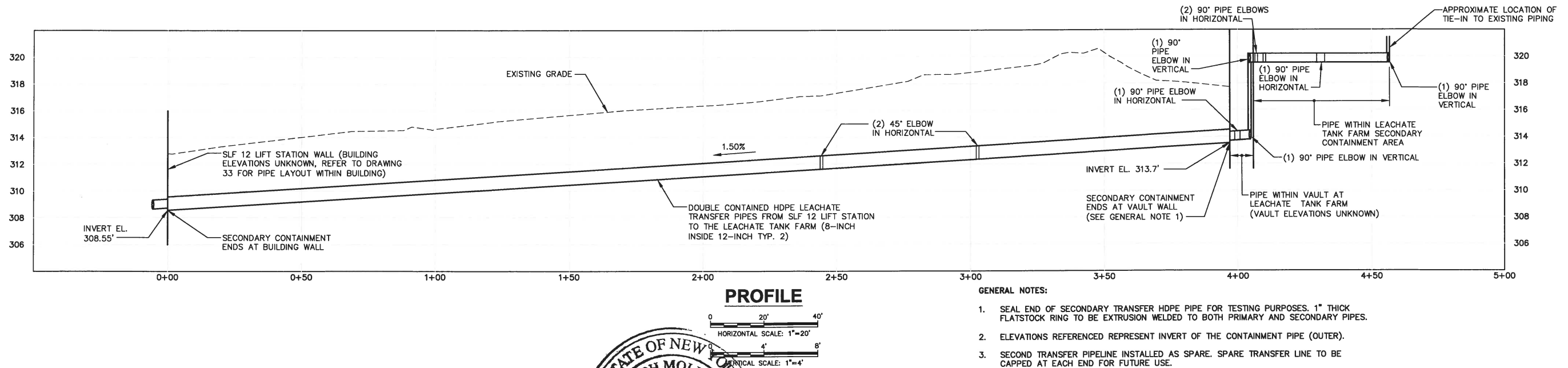
NOT TO SCALE						Professional Engineer's Name JOSEPH MOLINA Professional Engineer's No. 072644		  ARCADIS OF NEW YORK, INC. GENERAL		CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING		ARCADIS Project No. B0023725.2009.00006		33							
										Date AUGUST 2009		ARCADIS of New York, Inc. 6723 Towpath Road P.O. Box 88 Syracuse, New York TEL. 315.446.9120									
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING:		USE TO VERIFY FIGURE REPRODUCTION SCALE		2/2013		ADDED CLASS 1 DIVISION 2 LOCATION		NWF BMS By Ckd		State NY		Date Signed 2/21/13			Project Mgr. WAR		Designed by BMS/PTO		Drawn by LAF		Checked by BMS
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TANK T-150 TRANSFER LINE TRENCH DETAIL

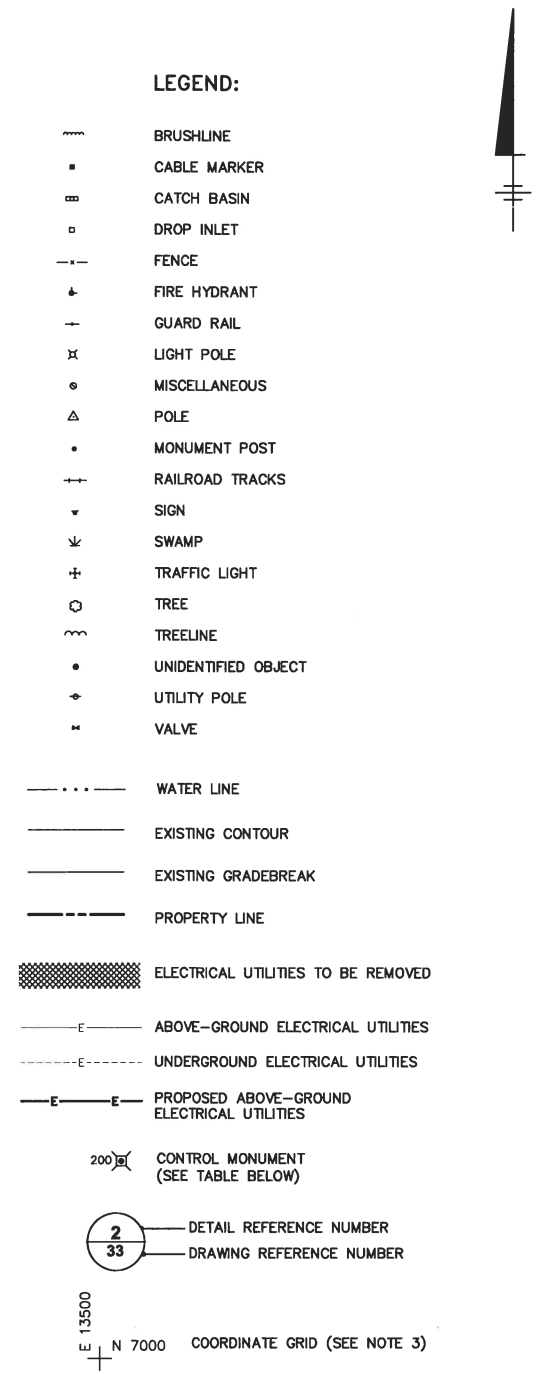
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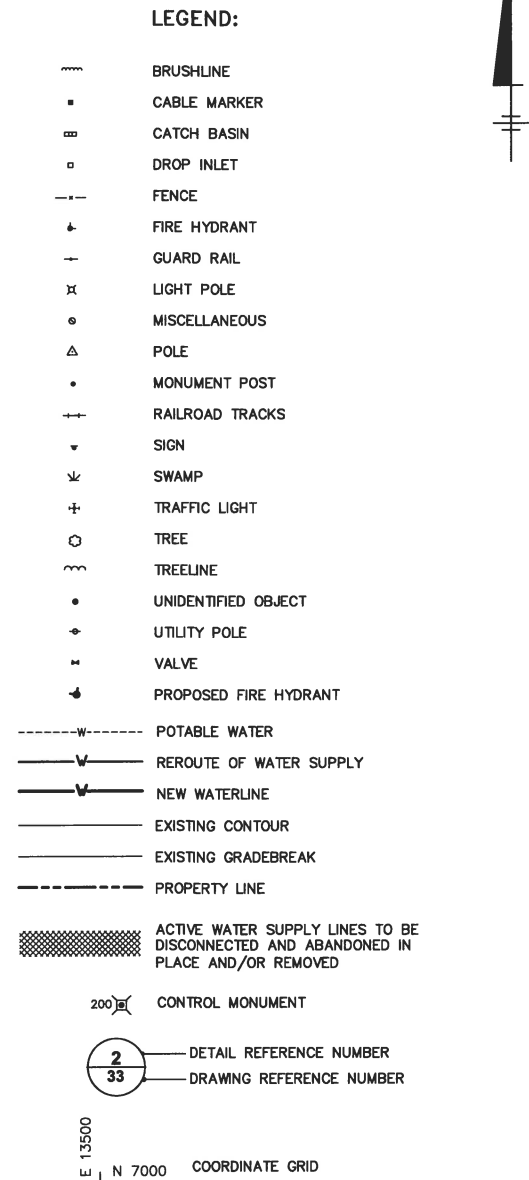
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PROJECTNAME: 1
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XREFS:
23725X02
23725X01
23725X00

SCALE(S) AS INDICATED		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		Professional Engineer's Seal JOSEPH MOLINA 072644 PROFESSIONAL ENGINEER		ARCADIS ARCADIS OF NEW YORK, INC.		CWM CHEMICAL SERVICES, LLC • MODEL CITY, NEW YORK RESIDUALS MANAGEMENT UNIT 2 PERMIT DRAWING		TANK T-150 TRANSFER PIPELINES		GENERAL		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		34	
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING.		USE TO VERIFY FIGURE REPRODUCTION SCALE		1/2013		REMOVED FAC POND 5 GRADING AND RENUMBERED DWG NWF BMS		No.		Date		Revisions		By		Ckd		THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REUSED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.									

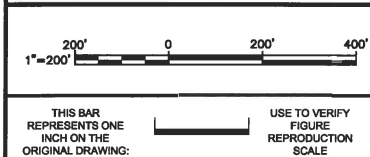


- NOTES:**
1. REFER TO DRAWING NO. 2 FOR ADDITIONAL BASEMAP INFORMATION.
 2. ELECTRICAL UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON SITE OBSERVATIONS MADE IN 2003 BY BLASLAND, BOUCK & LEE, INC. (NOW KNOWN AS ARCADIS) AND INPUT FROM CWM. POINT OF CONNECTION BETWEEN EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE.
 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.





- 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	Description	By	Ck'd
		RENUMBERED DWG., REVISED CALLOUTS AND NOTES	GNG	BML
		Revisions		

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

State NY	Date Signed 2/27/13
Designed by RMS/AWE	Drawn by LAE

Project Mgr.	WAR
Checked by	RMS



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 P.O. Box 66 Syracuse, New York TEL. 315.446.9120