

FINAL DESIGN – REMEDIAL ACTION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

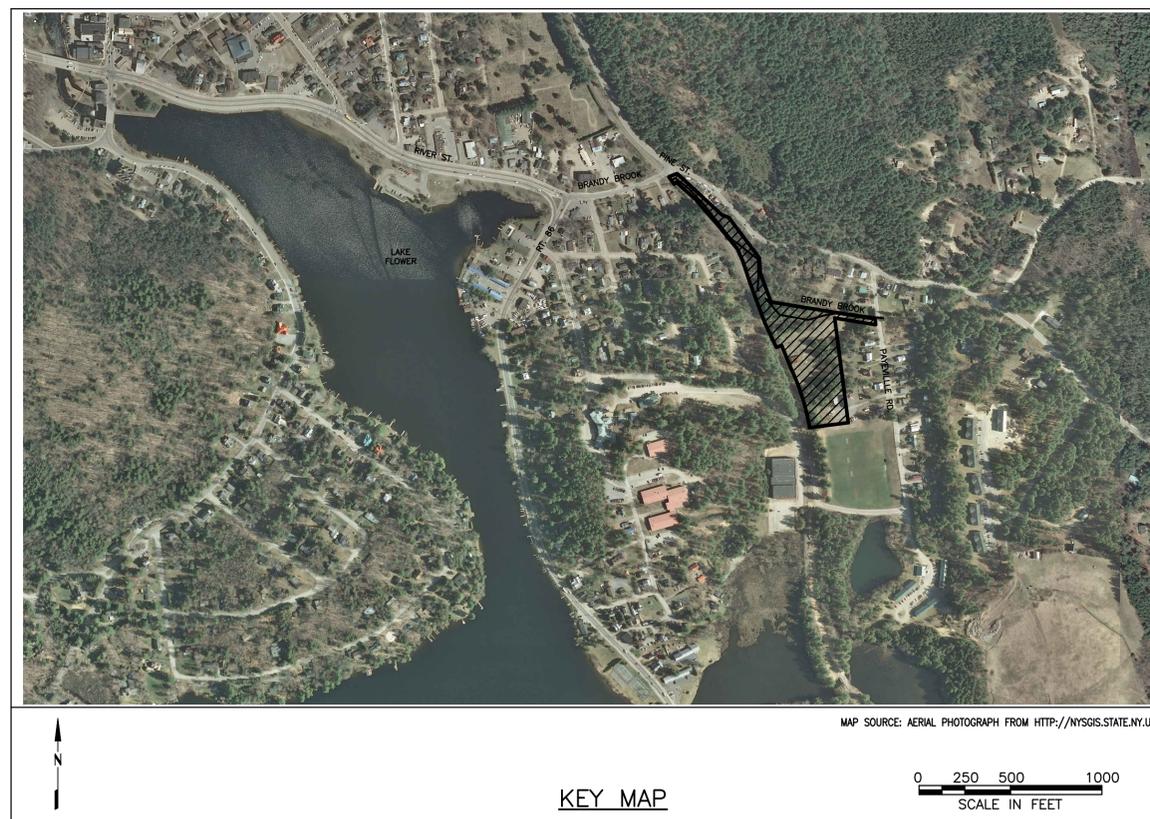
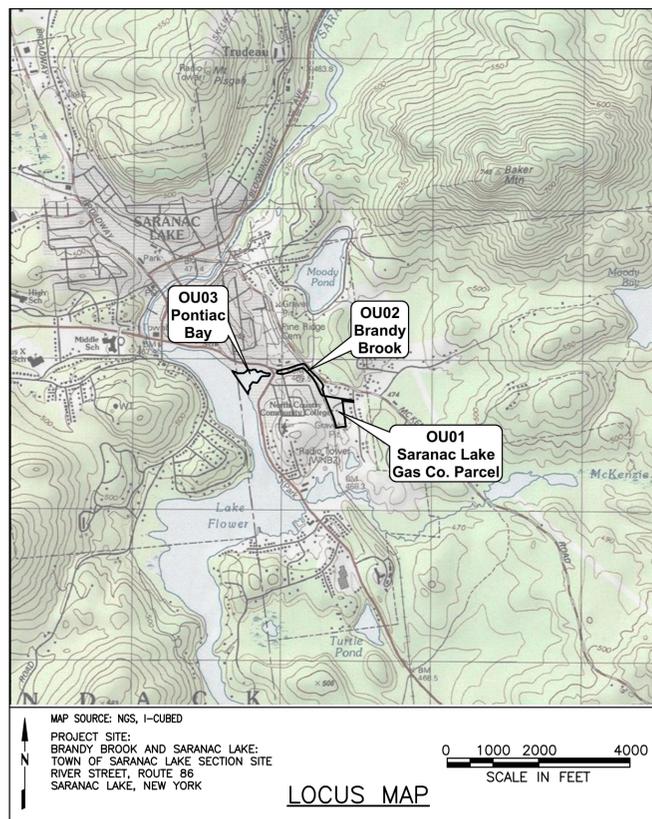
SARANAC LAKE GAS CO., INC., SITE NO. 516008

OU01: GAS COMPANY PARCELS

SARANAC LAKE, NEW YORK

JULY 1, 2020

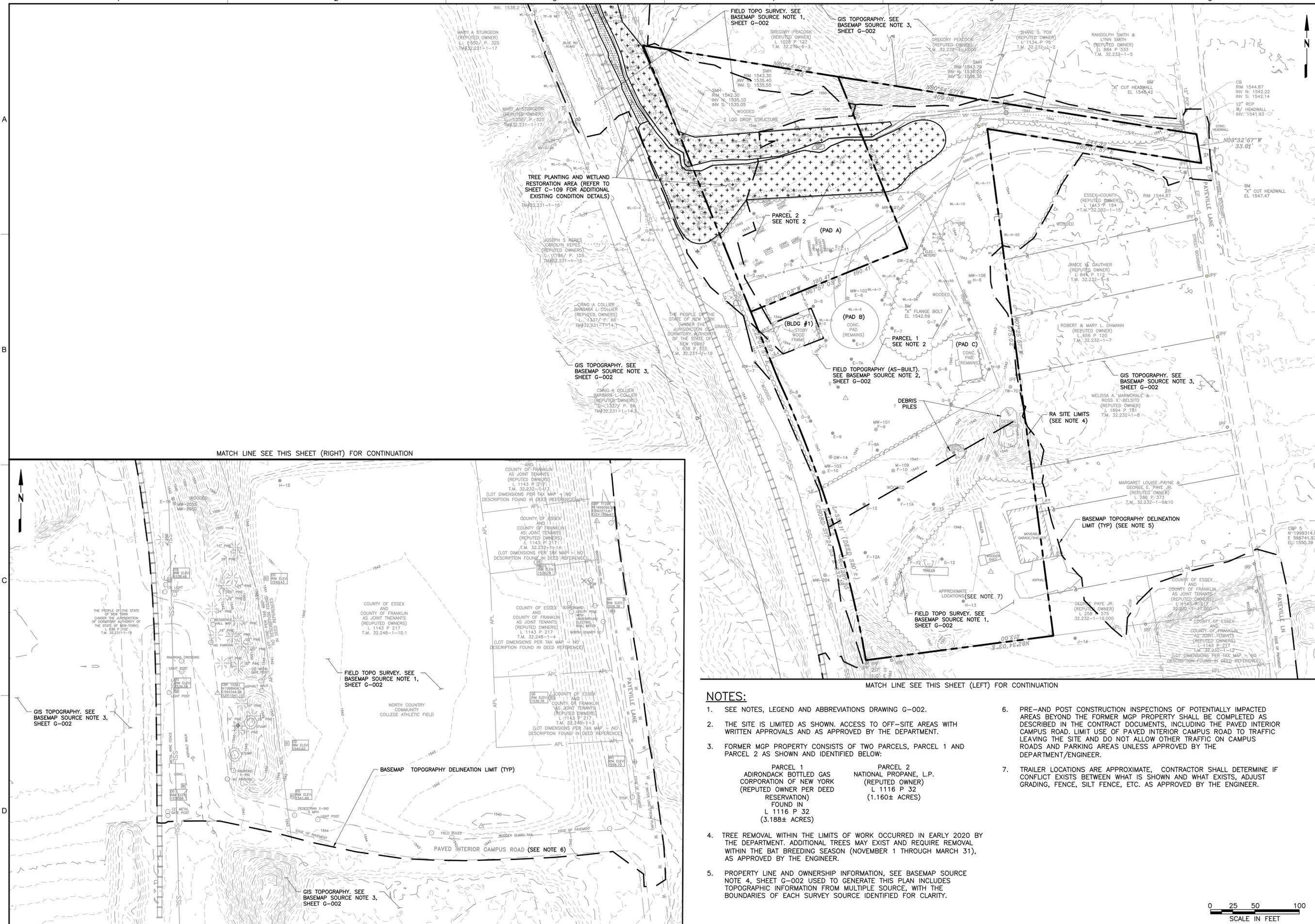
CONTRACT WA NO. D011909



DRAWING INDEX

INCLUDED THIS SUBMITTAL	SHEET NUMBER	DRAWING TITLE	DISCIPLINE NUMBER
•	1	COVER SHEET	G-001
•	2	NOTES, LEGENDS, AND ABBREVIATIONS	G-002
•	3	EXISTING CONDITIONS PLAN	C-101
•	4	CONCEPTUAL SITE LAYOUT, STAGING AND TRAFFIC PLAN	C-102
•	5	EROSION AND SEDIMENT CONTROL PLAN	C-103
•	6	DEMOLITION PLAN	C-104
•	7	EXCAVATION PLAN	C-105
•	8	SOLIDIFICATION PLAN	C-106
•	9	COVER SYSTEM SUBGRADE GRADING PLAN	C-107
•	10	FINAL GRADING PLAN	C-108
•	11	RESTORATION/LANDSCAPING PLAN	C-109
•	12	PROFILE – CONSTRUCTION BASELINE	C-201
•	13	EROSION AND SEDIMENT CONTROL NOTES	C-301
•	14	EROSION AND SEDIMENT CONTROL DETAILS	C-302
•	15	CIVIL DETAILS – 1	C-303
•	16	CIVIL DETAILS – 2	C-304
•	17	RESTORATION DETAILS	C-305
•	18	SANITARY SEWER LINE BYPASS DETAILS	C-306
•	19	CROSS SECTIONS – STA 0+50 TO STA 1+00	C-501
•	20	CROSS SECTIONS – STA 1+50 TO STA 2+00	C-502
•	21	CROSS SECTIONS – STA 2+50 TO STA 3+00	C-503
•	22	CROSS SECTIONS – STA 3+50 TO STA 4+00	C-504
•	23	CROSS SECTIONS – STA 4+50	C-505

 MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, ME 04106 (207) 775-5401	REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008	GENERAL COVER	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 	DATE: JULY 1, 2020 PROJ: 3611-19-1237 DWG: G-001 SHEET: 1 OF 23	
	ISSUED FOR BIDDING FINAL DESIGN 90% DESIGN STATUS SET 30% DESIGN REVISION	BBJ RSE BBJ RSE BBJ JDW BBJ JDW BBJ JDW BY APVD	DR BBJ JVM CHK MAP APVD	JMW JDW	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.
	7/01/20 E	5/22/20 D	4/13/20 C	3/27/20 B	1/17/20 A
	NO. DATE DSGN				

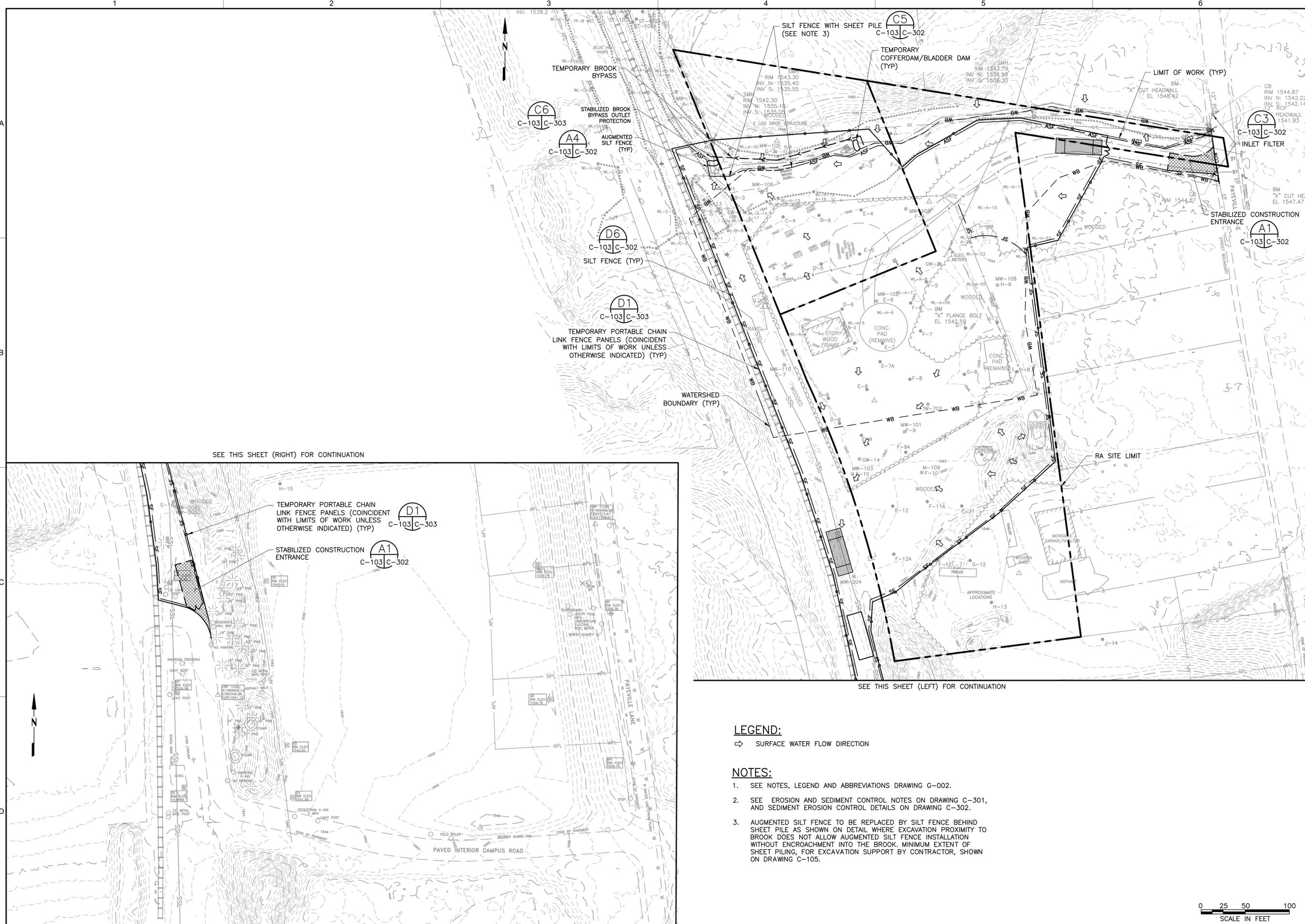


- NOTES:**
- SEE NOTES, LEGEND AND ABBREVIATIONS DRAWING G-002.
 - THE SITE IS LIMITED AS SHOWN. ACCESS TO OFF-SITE AREAS WITH WRITTEN APPROVALS AND AS APPROVED BY THE DEPARTMENT.
 - FORMER MGP PROPERTY CONSISTS OF TWO PARCELS, PARCEL 1 AND PARCEL 2 AS SHOWN AND IDENTIFIED BELOW:

PARCEL 1 ADIRONDACK BOTTLED GAS CORPORATION OF NEW YORK (REPUTED OWNER PER DEED RESERVATION) FOUND IN L 1116 P 32 (3.188± ACRES)	PARCEL 2 NATIONAL PROPANE, L.P. (REPUTED OWNER) L 1116 P 32 (1.16± ACRES)
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 - TREE REMOVAL WITHIN THE LIMITS OF WORK OCCURRED IN EARLY 2020 BY THE DEPARTMENT. ADDITIONAL TREES MAY EXIST AND REQUIRE REMOVAL WITHIN THE BAT BREEDING SEASON (NOVEMBER 1 THROUGH MARCH 31), AS APPROVED BY THE ENGINEER.
 - PROPERTY LINE AND OWNERSHIP INFORMATION, SEE BASEMAP SOURCE NOTE 4, SHEET G-002 USED TO GENERATE THIS PLAN INCLUDES TOPOGRAPHIC INFORMATION FROM MULTIPLE SOURCE, WITH THE BOUNDARIES OF EACH SURVEY SOURCE IDENTIFIED FOR CLARITY.
 - PRE- AND POST CONSTRUCTION INSPECTIONS OF POTENTIALLY IMPACTED AREAS BEYOND THE FORMER MGP PROPERTY SHALL BE COMPLETED AS DESCRIBED IN THE CONTRACT DOCUMENTS, INCLUDING THE PAVED INTERIOR CAMPUS ROAD. LIMIT USE OF PAVED INTERIOR CAMPUS ROAD TO TRAFFIC LEAVING THE SITE AND DO NOT ALLOW OTHER TRAFFIC ON CAMPUS ROADS AND PARKING AREAS UNLESS APPROVED BY THE DEPARTMENT/ENGINEER.
 - TRAILER LOCATIONS ARE APPROXIMATE, CONTRACTOR SHALL DETERMINE IF CONFLICT EXISTS BETWEEN WHAT IS SHOWN AND WHAT EXISTS, ADJUST GRADING, FENCE, SILT FENCE, ETC. AS APPROVED BY THE ENGINEER.

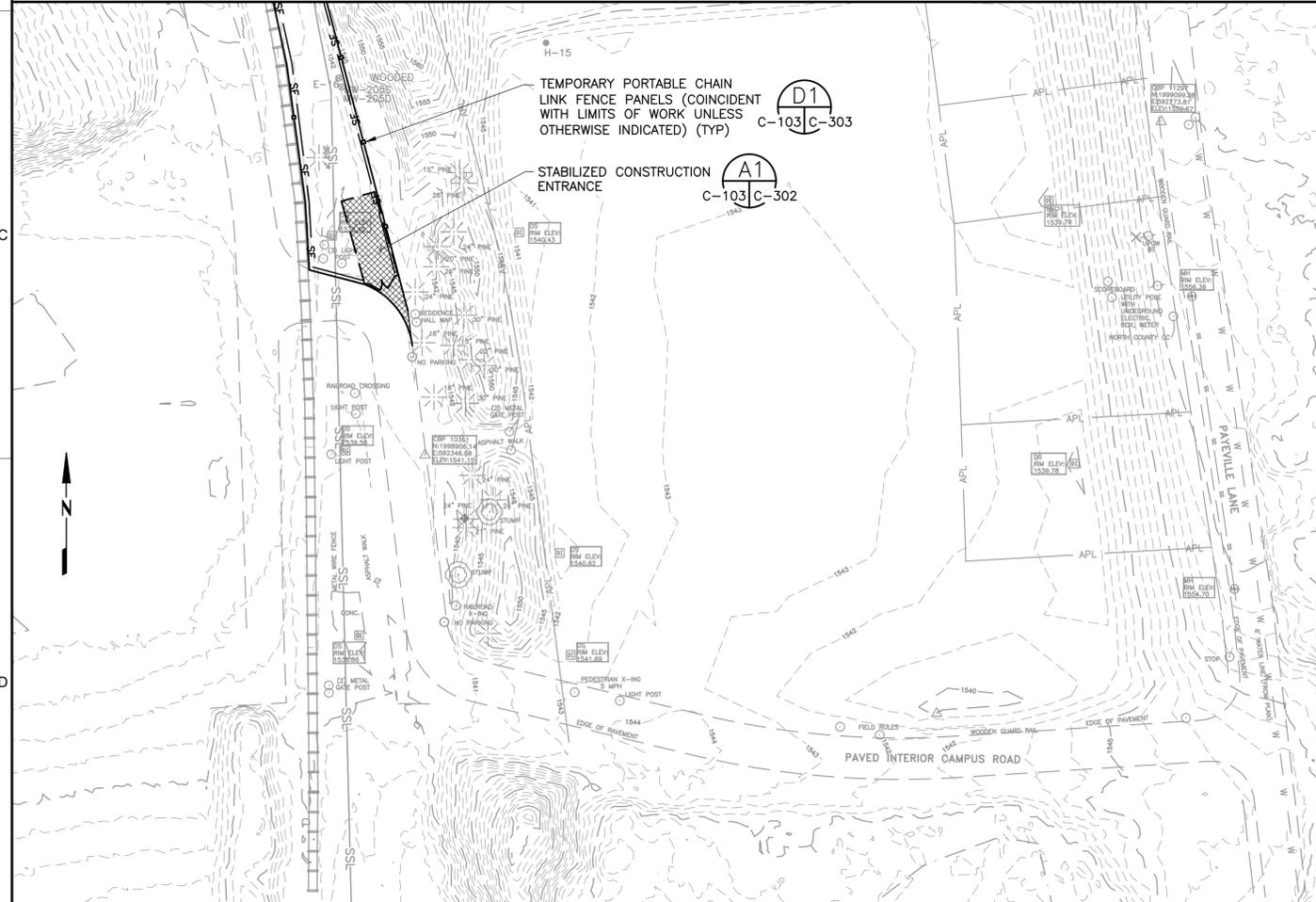
 MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, ME 04106 (207) 775-5401	REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008	CIVIL EXISTING CONDITIONS PLAN	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 			
	7/01/20 E	5/22/20 D	4/13/20 C	3/27/20 B	1/17/20 A	NO. DATE DSGN
	ISSUED FOR BIDDING FINAL DESIGN	90% DESIGN STATUS SET	30% DESIGN REVISION	BY APVD	JWM CHK	DR APVD
	BBJ RSE	BBJ RSE	BBJ JDW	BBJ JDW	BBJ JDW	BBJ JDW

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SEE THIS SHEET (RIGHT) FOR CONTINUATION

SEE THIS SHEET (LEFT) FOR CONTINUATION



LEGEND:

⇨ SURFACE WATER FLOW DIRECTION

NOTES:

- SEE NOTES, LEGEND AND ABBREVIATIONS DRAWING G-002.
- SEE EROSION AND SEDIMENT CONTROL NOTES ON DRAWING C-301, AND SEDIMENT EROSION CONTROL DETAILS ON DRAWING C-302.
- AUGMENTED SILT FENCE TO BE REPLACED BY SILT FENCE BEHIND SHEET PILE AS SHOWN ON DETAIL WHERE EXCAVATION PROXIMITY TO BROOK DOES NOT ALLOW AUGMENTED SILT FENCE INSTALLATION WITHOUT ENCROACHMENT INTO THE BROOK. MINIMUM EXTENT OF SHEET PILING, FOR EXCAVATION SUPPORT BY CONTRACTOR, SHOWN ON DRAWING C-105.

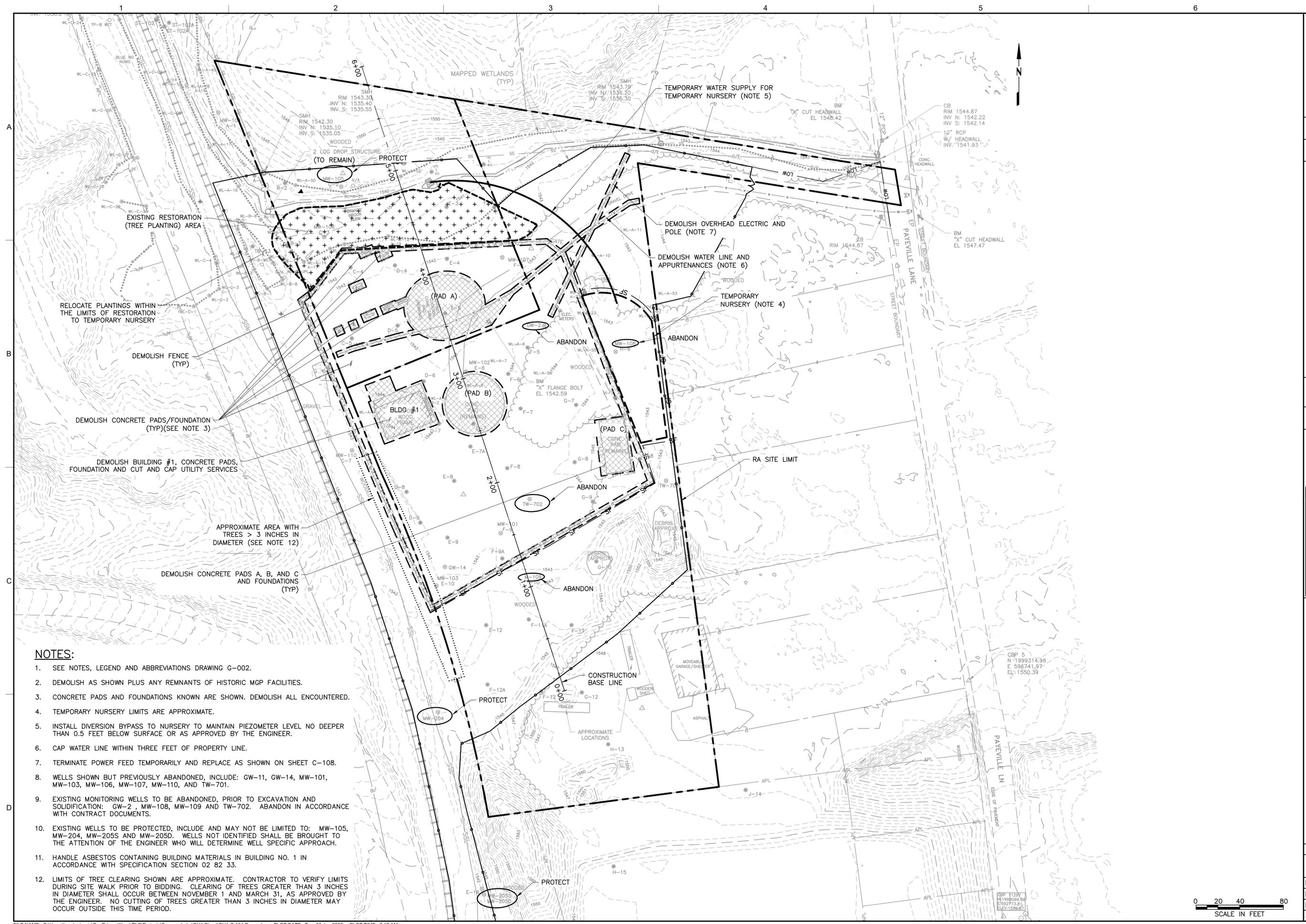
<p>MACTEC Engineering and Geology, P.C. P.O. Box 7050, 5th Congress Street Parsippany, NJ 07054 (207) 775-5401</p>	<p>REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008</p>	<p>CIVIL</p> <p>EROSION AND SEDIMENT CONTROL PLAN</p>	ISSUED FOR BIDDING	BBJ	RSE	JDW	JDW	JDW	JDW	JDW	JDW		
			FINAL DESIGN	BBJ	RSE	JDW							
			90% DESIGN	BBJ	JDW								
			STATUS SET	BBJ	JDW								
30% DESIGN	BBJ	JDW	JDW	JDW	JDW	JDW	JDW	JDW	JDW	JDW	JDW		
REVISION	BY	APVD	CHK	WJW									
NO.	DATE	DSGN	DR	DR	DR	DR	DR	DR	DR	DR	DR		
E	7/01/20												
D	5/22/20												
C	4/13/20												
B	3/27/20												
A	1/17/20												

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DATE	JULY 1, 2020
PROJ	3611-19-1237
DWG	C-103
SHEET	5 OF 23

SCALE IN FEET
0 25 50 100

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- NOTES:**
- SEE NOTES, LEGEND AND ABBREVIATIONS DRAWING G-002.
 - DEMOLISH AS SHOWN PLUS ANY REMNANTS OF HISTORIC MGP FACILITIES.
 - CONCRETE PADS AND FOUNDATIONS KNOWN ARE SHOWN. DEMOLISH ALL ENCOUNTERED.
 - TEMPORARY NURSERY LIMITS ARE APPROXIMATE.
 - INSTALL DIVERSION BYPASS TO NURSERY TO MAINTAIN PIEZOMETER LEVEL NO DEEPER THAN 0.5 FEET BELOW SURFACE OR AS APPROVED BY THE ENGINEER.
 - CAP WATER LINE WITHIN THREE FEET OF PROPERTY LINE.
 - TERMINATE POWER FEED TEMPORARILY AND REPLACE AS SHOWN ON SHEET C-108.
 - WELLS SHOWN BUT PREVIOUSLY ABANDONED, INCLUDE: GW-11, GW-14, MW-101, MW-103, MW-106, MW-107, MW-110, AND TW-701.
 - EXISTING MONITORING WELLS TO BE ABANDONED, PRIOR TO EXCAVATION AND SOLIDIFICATION: GW-2, MW-108, MW-109 AND TW-702. ABANDON IN ACCORDANCE WITH CONTRACT DOCUMENTS.
 - EXISTING WELLS TO BE PROTECTED, INCLUDE AND MAY NOT BE LIMITED TO: MW-105, MW-204, MW-205S AND MW-205D. WELLS NOT IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER WHO WILL DETERMINE WELL SPECIFIC APPROACH.
 - HANDLE ASBESTOS CONTAINING BUILDING MATERIALS IN BUILDING NO. 1 IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 33.
 - LIMITS OF TREE CLEARING SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY LIMITS DURING SITE WALK PRIOR TO BIDDING. CLEARING OF TREES GREATER THAN 3 INCHES IN DIAMETER SHALL OCCUR BETWEEN NOVEMBER 1 AND MARCH 31, AS APPROVED BY THE ENGINEER. NO CUTTING OF TREES GREATER THAN 3 INCHES IN DIAMETER MAY OCCUR OUTSIDE THIS TIME PERIOD.

<p>MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, ME 04106 (207) 775-5401</p>	<p>CIVIL</p> <p>DEMOLITION PLAN</p>	<p>REMEDIAL ACTION</p> <p>SARANAC LAKE GAS CO., INC.</p> <p>SARANAC LAKE, NEW YORK</p> <p>NYSDEC SITE NUMBER - 516008</p>	<p>ISSUED FOR BIDDING</p> <p>FINAL DESIGN</p> <p>90% DESIGN</p> <p>STATUS SET</p> <p>30% DESIGN</p>	<p>7/01/20</p>							
				<p>D</p>	<p>D</p>	<p>D</p>	<p>D</p>	<p>D</p>	<p>D</p>		
				<p>C</p>	<p>C</p>	<p>C</p>	<p>C</p>	<p>C</p>	<p>C</p>		
				<p>B</p>	<p>B</p>	<p>B</p>	<p>B</p>	<p>B</p>	<p>B</p>		
<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>	<p>A</p>
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<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>
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<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>	<p>WJW</p>
<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>	<p>CHK</p>
<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>	<p>JVM</p>
<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>
<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>	<p>BBJ</p>
<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>	<p>RSE</p>
<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>
<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>	<p>BY</p>
<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>	<p>APVD</p>
<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>	<p>JDW</p>

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE: JULY 1, 2020
PROJ: 3611-19-1237
DWG: C-104
SHEET: 6 OF 23

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NOTES:

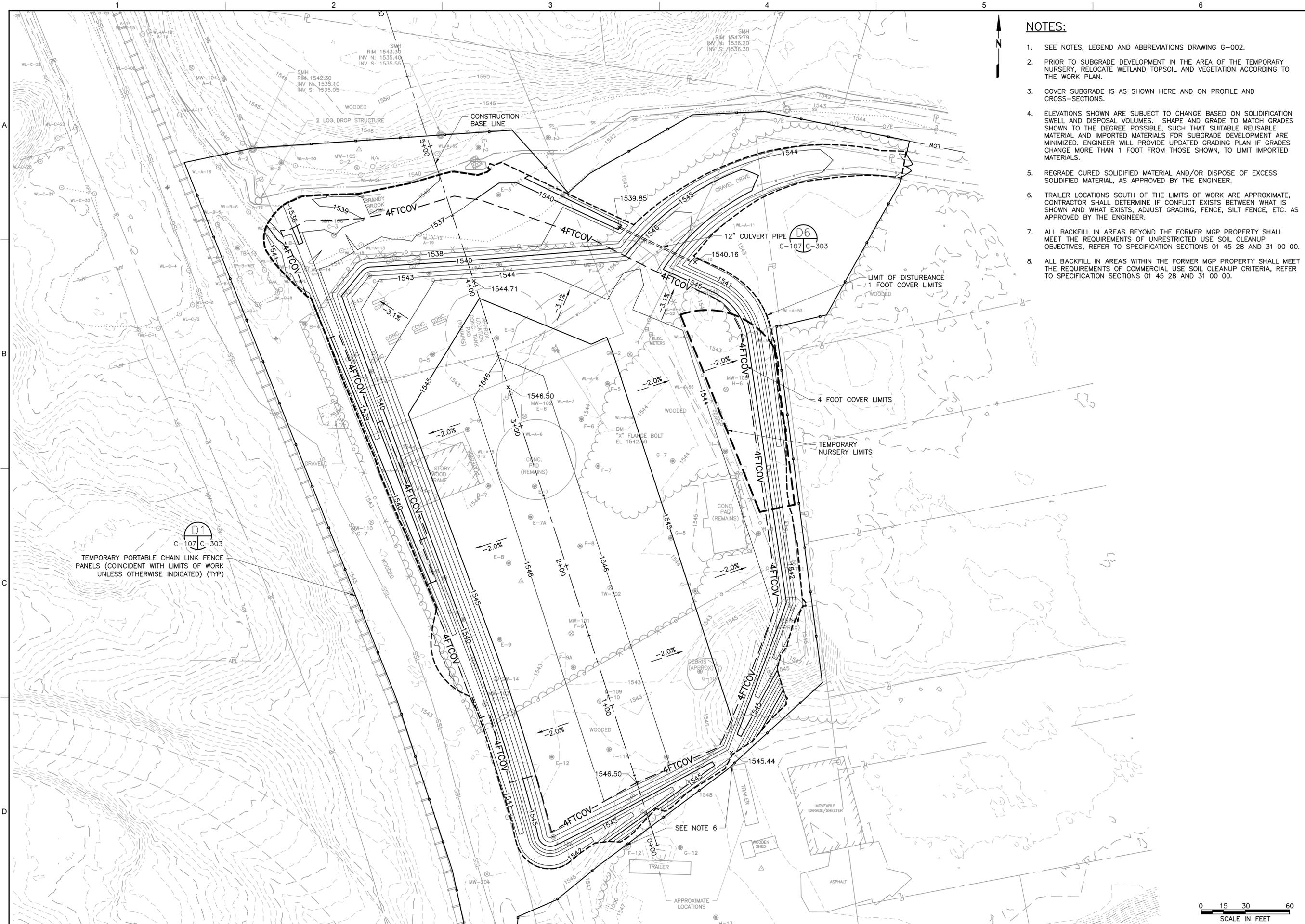
- SEE NOTES, LEGEND AND ABBREVIATIONS DRAWING G-002.
- EXCAVATE AND SEGREGATE NON MGP-IMPACTED FROM MGP-IMPACTED MATERIALS ABOVE THE DASHED CONTOURS. USE THE LIMITS OF MGP-IMPACTED MATERIAL AS A GUIDE. EXCAVATION SHALL BE LIMITED IN DEPTH TO EITHER THE TOP OF MGP-IMPACTED MATERIALS OR ONE-FOOT ABOVE THE WATER LEVEL AT THE TIME OF WORK, WHICHEVER IS SHALLOWER, AS DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE DASHED LINES REPRESENT THE GROUNDWATER ELEVATION PLUS ONE FOOT, BASED ON SEPTEMBER 2019 DATA. THE SOLID CONTOURS REPRESENT THE TOP OF MGP-IMPACTED MATERIALS AND IS CUT-OFF BY THE WATER OBSERVED IN SEPTEMBER 2019 PLUS ONE-FOOT. SHOULD WATER ELEVATIONS BE LOWER THAN THOSE SHOWN, ENGINEER SHALL PROVIDE ADDITIONAL SOLID CONTOURS REPRESENTING THE TOP OF MGP-IMPACTED MATERIALS. ACTUAL GROUNDWATER LEVEL AT TIME OF EXCAVATION MAY REQUIRE REVISION TO THE BOTTOM OF EXCAVATION SURFACE FROM THAT SHOWN. EXCAVATIONS WITHIN THE FORMER MGP PROPERTY SHALL EXTEND TO APPROXIMATELY 1 FOOT ABOVE GROUNDWATER, UNLESS APPROVED BY ENGINEER/DEPARTMENT. EXCAVATIONS BEYOND THE FORMER MGP PROPERTY (HATCHED) SHALL EXTEND TO BELOW MGP-IMPACTED MATERIALS, BELOW THE GROUNDWATER WITH DEWATERING, THESE EXCAVATIONS MAY BE DEEPER THAN SHOWN AND ULTIMATELY BASED ON ACCEPTABLE CONFIRMATION SAMPLING RESULTS, AS APPROVED BY THE ENGINEER.
- NON MGP-IMPACTED EXCAVATED MATERIALS ARE IDENTIFIED AS ABOVE THE SOLID CONTOURS SHALL BE SEGREGATED FROM MGP-IMPACTED MATERIALS IDENTIFIED AS BELOW THE SOLID CONTOURS. BASED ON VISUAL SCREENING. VISUAL SCREENING SHALL BE PERFORMED BY THE CONTRACTOR. THE ABSENCE OF THE OBSERVATION OF ANY OF THE FOLLOWING CONDITIONS IN EXCAVATED MATERIAL SHALL RESULT IN THAT MATERIAL BEING CLASSIFIED AS NON MGP-IMPACTED: MGP WASTE, COAL TAR, PURIFIER WASTE OR CONTAMINATED SOIL MEETING ONE OR MORE OF THE FOLLOWING: VISIBLE TAR OR OIL, THE PRESENCE OF SHEEN OR ODORS.
- MGP-IMPACTED EXCAVATED MATERIALS SHALL BE SEGREGATED FROM NON MGP-IMPACTED MATERIALS BASED ON VISUAL SCREENING. VISUAL SCREENING SHALL BE PERFORMED BY THE CONTRACTOR. THE PRESENCE OF THE OBSERVATION OF ANY OF THE FOLLOWING CONDITIONS IN EXCAVATED MATERIAL SHALL RESULT IN THAT MATERIAL BEING CLASSIFIED AS MGP-IMPACTED: MGP WASTE, COAL TAR, PURIFIER WASTE OR CONTAMINATED SOIL MEETING ONE OR MORE OF THE FOLLOWING: VISIBLE TAR OR OIL, THE PRESENCE OF SHEEN OR ODORS.
- ALL BACKFILL IN AREAS BEYOND THE FORMER MGP PROPERTY SHALL MEET THE REQUIREMENTS OF UNRESTRICTED USE SOIL CLEANUP OBJECTIVES, REFER TO SPECIFICATION SECTIONS 01 45 28 AND 31 00 00.
- ALL BACKFILL IN AREAS WITHIN THE FORMER MGP PROPERTY SHALL MEET THE REQUIREMENTS OF COMMERCIAL USE SOIL CLEANUP CRITERIA, REFER TO SPECIFICATION SECTIONS 01 45 28 AND 31 00 00.
- STORAGE AND STOCKPILES FOR MGP-IMPACTED MATERIAL SHALL BE ON THE FORMER MGP PROPERTY.
- CONTRACTOR SHALL SEQUENCE WORK TO LIMIT MATERIAL HANDLING AND ASSOCIATED MATERIALS LOSS DUE TO CONTAMINATION AND CROSS-CONTAMINATION AND OVER-EXCAVATION BEYOND MGP LIMITS.
- EXCAVATION AREAS BEYOND THE FORMER MGP PROPERTY SHALL BE BOUNDED BASED ON PRE-EXCAVATION SAMPLING TO BE PERFORMED BY DEPARTMENT PRIOR TO THE START OF EXCAVATION ACTIVITIES. EXCAVATION LIMITS MAY CHANGE BASED ON THIS SAMPLING. CONTRACTOR SHALL ACCOMMODATE CHANGES TO LIMITS EXCEPT AS STATED IN THE APPROVED WORK PLAN.

LEGEND:

- 1542 TOP OF MGP-IMPACTED MATERIALS OR GROUNDWATER TABLE (SEPT 2019) PLUS 1-FOOT
- 1535 GROUNDWATER TABLE (SEPT 2019) PLUS 1-FOOT
- EXCAVATE TO VERTICAL EXTENTS OF MGP-IMPACTED MATERIALS

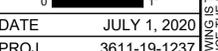
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REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008												
CIVIL EXCAVATION PLAN												
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.												
DATE JULY 1, 2020 PROJ 3611-19-1237 DWG C-105 SHEET 7 OF 23												

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NOTES:

- SEE NOTES, LEGEND AND ABBREVIATIONS DRAWING G-002.
- PRIOR TO SUBGRADE DEVELOPMENT IN THE AREA OF THE TEMPORARY NURSERY, RELOCATE WETLAND TOPSOIL AND VEGETATION ACCORDING TO THE WORK PLAN.
- COVER SUBGRADE IS AS SHOWN HERE AND ON PROFILE AND CROSS-SECTIONS.
- ELEVATIONS SHOWN ARE SUBJECT TO CHANGE BASED ON SOLIDIFICATION SWELL AND DISPOSAL VOLUMES. SHAPE AND GRADE TO MATCH GRADES SHOWN TO THE DEGREE POSSIBLE, SUCH THAT SUITABLE REUSABLE MATERIAL AND IMPORTED MATERIALS FOR SUBGRADE DEVELOPMENT ARE MINIMIZED. ENGINEER WILL PROVIDE UPDATED GRADING PLAN IF GRADES CHANGE MORE THAN 1 FOOT FROM THOSE SHOWN, TO LIMIT IMPORTED MATERIALS.
- REGRADE CURED SOLIDIFIED MATERIAL AND/OR DISPOSE OF EXCESS SOLIDIFIED MATERIAL, AS APPROVED BY THE ENGINEER.
- TRAILER LOCATIONS SOUTH OF THE LIMITS OF WORK ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE IF CONFLICT EXISTS BETWEEN WHAT IS SHOWN AND WHAT EXISTS, ADJUST GRADING, FENCE, SILT FENCE, ETC. AS APPROVED BY THE ENGINEER.
- ALL BACKFILL IN AREAS BEYOND THE FORMER MGP PROPERTY SHALL MEET THE REQUIREMENTS OF UNRESTRICTED USE SOIL CLEANUP OBJECTIVES, REFER TO SPECIFICATION SECTIONS 01 45 28 AND 31 00 00.
- ALL BACKFILL IN AREAS WITHIN THE FORMER MGP PROPERTY SHALL MEET THE REQUIREMENTS OF COMMERCIAL USE SOIL CLEANUP CRITERIA, REFER TO SPECIFICATION SECTIONS 01 45 28 AND 31 00 00.

		MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Port Jervis, NY 13851 Phone: (845) 755-5401				REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008		CIVIL COVER SYSTEM SUBGRADE GRADING PLAN		VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 	
ISSUED FOR BIDDING	7/01/20	DR	BBJ	CHK	JVM	MAP	APVD	BY	APVD	BY	APVD
FINAL DESIGN	5/22/20	D									
90% DESIGN	4/13/20	C									
STATUS SET	3/27/20	B									
30% DESIGN	1/17/20	A									
REVISION	NO.	DATE	BY	CHK	APVD	BY	APVD	BY	APVD	BY	APVD

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- NOTES:**
- SEE NOTES, LEGEND AND ABBREVIATIONS DRAWING G-002.
 - REMOVE TEMPORARY SANITARY SEWER LINE BYPASS COMPLETELY AND RESTORE RAILROAD PROPERTY TO PRE-CONSTRUCTION CONDITION, AS APPROVED BY THE ENGINEER.
 - REPLACE OVERHEAD ELECTRIC TO MATCH EXISTING, INCLUDING ALL APPURTENANCES ENSURE REQUIRED CLEARANCE OVER ACCESS ROAD.
 - FOR WORK ON RAILROAD PROPERTY, REFER TO SHEET C-307 FOR ADDITIONAL INFORMATION.

LEGEND:

- TYPE IA COVER - VEGETATED
- TYPE IIA COVER - VEGETATED
- TYPE IB COVER - ACCESS ROAD & GRAVEL SURFACE
- TYPE IIB COVER - GRAVEL SURFACE
- TYPE IC COVER - VEGETATED WETLANDS
- TYPE IIC COVER - VEGETATED UPLAND

NOTE: TYPE I COVERS ARE 1 FT THICK AND TYPE II COVERS ARE 4 FT THICK

ISSUED FOR BIDDING	BBJ	RSE	JDW	APVD	JDW
FINAL DESIGN	BBJ	RSE	JDW	BY	APVD
90% DESIGN	BBJ	JDW	JDW	BY	APVD
STATUS SET	BBJ	JDW	JDW	BY	APVD
30% DESIGN	BBJ	JDW	JDW	BY	APVD
REVISION	BY	APVD	BY	APVD	JDW
CHK	JVM	MAP	CHK	APVD	JDW
DSGN	BBJ	DR	CHK	APVD	JDW

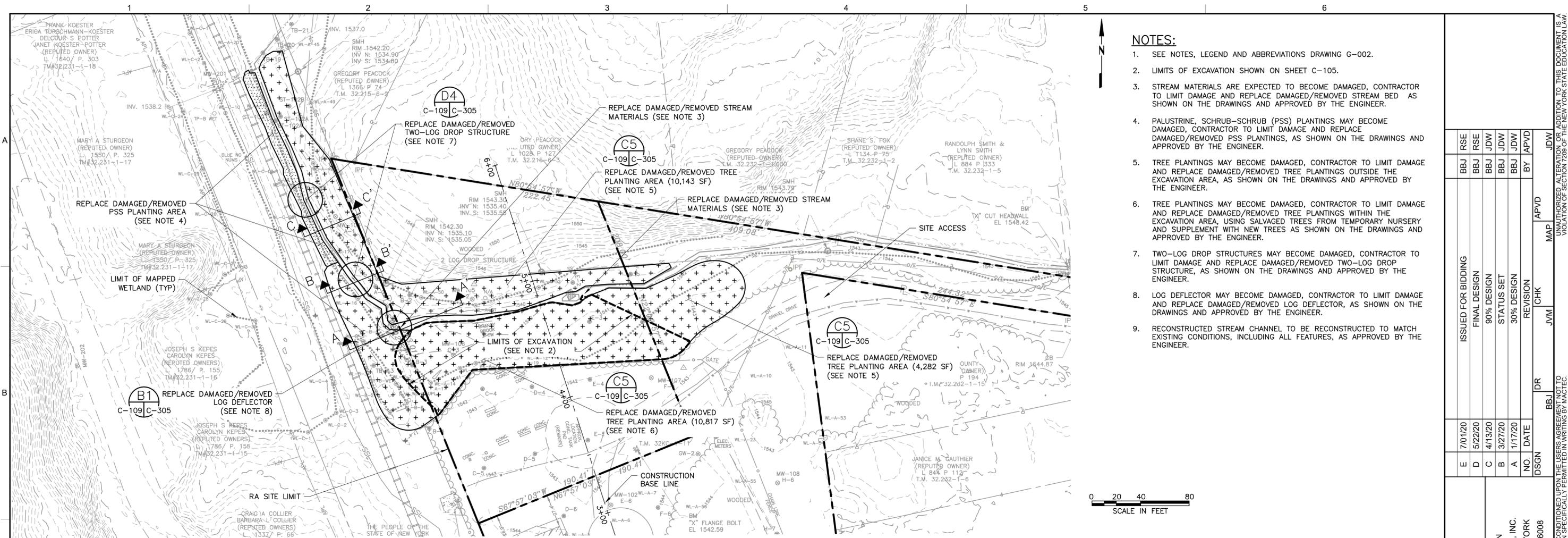
REMEDIAL ACTION
 SARANAC LAKE GAS CO., INC.
 SARANAC LAKE, NEW YORK
 NYSDEC SITE NUMBER - 516008

CIVIL
FINAL GRADING PLAN

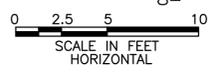
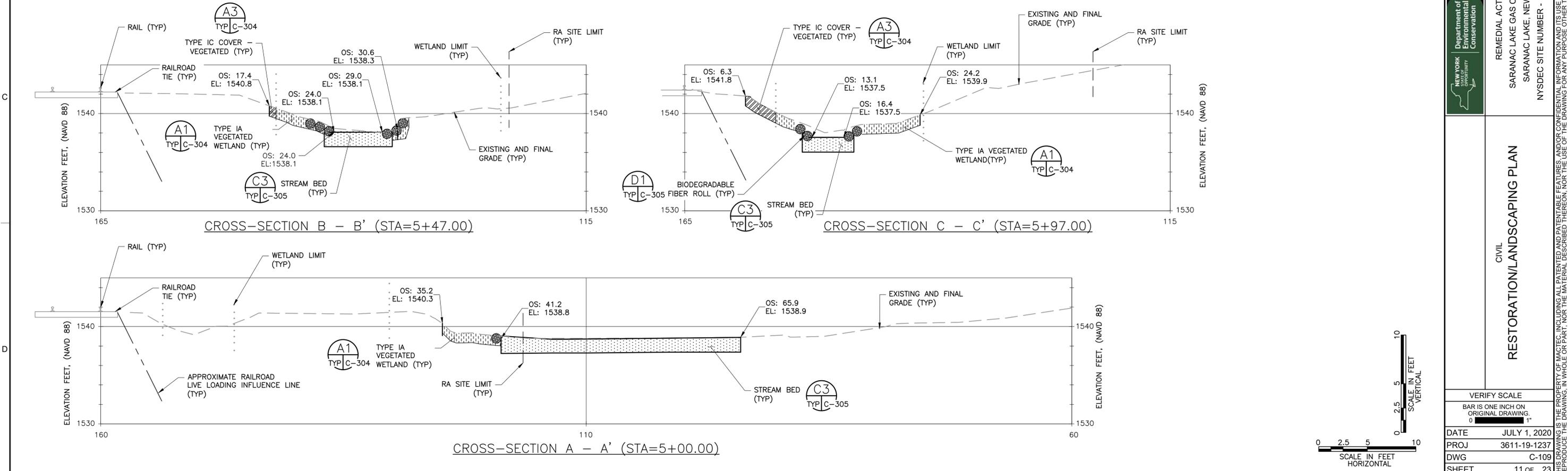
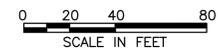
VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING

DATE: JULY 1, 2020
 PROJ: 3611-19-1237
 DWG: C-108
 SHEET: 10 OF 23

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- NOTES:**
- SEE NOTES, LEGEND AND ABBREVIATIONS DRAWING G-002.
 - LIMITS OF EXCAVATION SHOWN ON SHEET C-105.
 - STREAM MATERIALS ARE EXPECTED TO BECOME DAMAGED, CONTRACTOR TO LIMIT DAMAGE AND REPLACE DAMAGED/REMOVED STREAM BED AS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.
 - PALUSTRINE, SCHRUB-SCHRUB (PSS) PLANTINGS MAY BECOME DAMAGED, CONTRACTOR TO LIMIT DAMAGE AND REPLACE DAMAGED/REMOVED PSS PLANTINGS, AS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.
 - TREE PLANTINGS MAY BECOME DAMAGED, CONTRACTOR TO LIMIT DAMAGE AND REPLACE DAMAGED/REMOVED TREE PLANTINGS OUTSIDE THE EXCAVATION AREA, AS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.
 - TREE PLANTINGS MAY BECOME DAMAGED, CONTRACTOR TO LIMIT DAMAGE AND REPLACE DAMAGED/REMOVED TREE PLANTINGS WITHIN THE EXCAVATION AREA, USING SALVAGED TREES FROM TEMPORARY NURSERY AND SUPPLEMENT WITH NEW TREES AS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.
 - TWO-LOG DROP STRUCTURES MAY BECOME DAMAGED, CONTRACTOR TO LIMIT DAMAGE AND REPLACE DAMAGED/REMOVED TWO-LOG DROP STRUCTURE, AS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.
 - LOG DEFLECTOR MAY BECOME DAMAGED, CONTRACTOR TO LIMIT DAMAGE AND REPLACE DAMAGED/REMOVED LOG DEFLECTOR, AS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.
 - RECONSTRUCTED STREAM CHANNEL TO BE RECONSTRUCTED TO MATCH EXISTING CONDITIONS, INCLUDING ALL FEATURES, AS APPROVED BY THE ENGINEER.

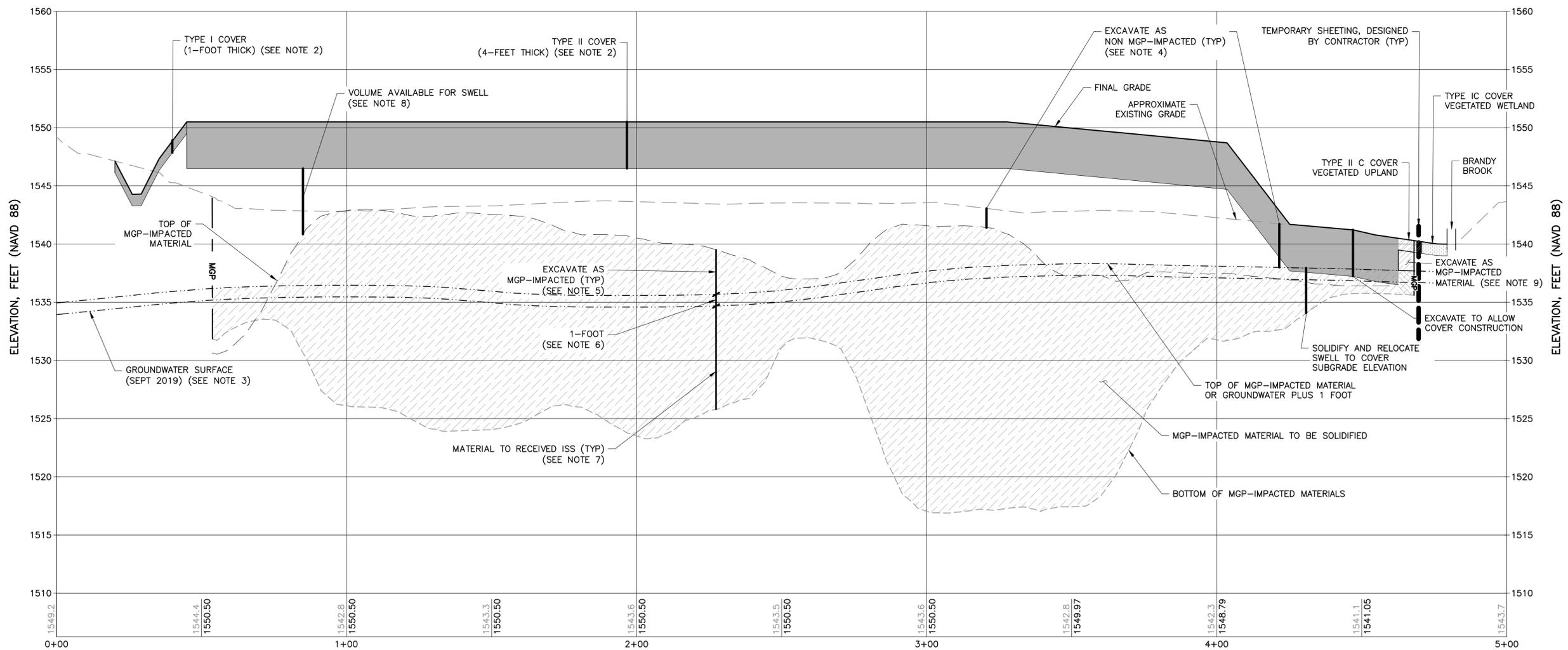


ISSUED FOR BIDDING		BBJ	RSE	APVD	JDM
FINAL DESIGN		BBJ	RSE	APVD	JDM
90% DESIGN		BBJ	JDW	APVD	JDM
STATUS SET		BBJ	JDW	APVD	JDM
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REVISION		BY	APVD	APVD	JDM
NO.		DATE	CHK	JVM	DR
E		7/01/20	DSGN	BBJ	DR
D		5/22/20			
C		4/13/20			
B		3/27/20			
A		1/17/20			
<p>REMEDIAL ACTION</p> <p>SARANAC LAKE GAS CO., INC.</p> <p>SARANAC LAKE, NEW YORK</p> <p>NYSDEC SITE NUMBER - 516008</p>					
<p>CIVIL</p> <p>RESTORATION/LANDSCAPING PLAN</p>					
VERIFY SCALE					
BAR IS ONE INCH ON ORIGINAL DRAWING					
DATE		JULY 1, 2020			
PROJ		3611-19-1237			
DWG		C-109			
SHEET		11 OF 23			

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NOTES:

- FOR BASELINE LOCATION AND ORIENTATION SEE SHEETS C-106 THROUGH C-108.
- FOR SPECIFIC LIMITS OF TYPE I AND II COVERS, REFER TO SHEET C-108.
- GROUNDWATER CONDITIONS MAY VARY AT TIME OF WORK, AS APPROVED BY ENGINEER.
- NON MGP-IMPACTED MATERIAL MAY CONTAIN POCKETS OF MGP - IMPACTED MATERIALS, SEPARATE AND STOCKPILE SEPARATELY.
- MGP-IMPACTED MATERIALS TO BE EXCAVATED EXTENDS DOWN TO 1-FOOT ABOVE THE GROUNDWATER TABLE AT THE TIME OF THE WORK, AS APPROVED BY ENGINEER.
- EXCAVATION IS SHOWN AS LIMITED TO 1 FOOT ABOVE THE GROUNDWATER TABLE DUE TO SURFACE WORKABILITY.
- IN-SITU SOLIDIFICATION (ISS) TO BE PERFORMED FROM THE BOTTOM OF EXCAVATION TO AT-LEAST THE BOTTOM OF MGP-IMPACTED MATERIALS.
- VOLUME AVAILABLE FOR SWELL AND DISPOSAL VOLUMES ARE RELATED TO FINAL GRADE. ACTUAL FINAL GRADE MAY CHANGE FROM THAT SHOWN TO LIMIT IMPORTED MATERIALS, WHILE MAINTAINING SLOPES.
- FINAL DEPTHS OF EXCAVATION OUTSIDE OF THE ISS AREA WILL BE BASED ON CONFIRMATION SAMPLING COMPLETED BY CONTRACTOR AND APPROVED BY ENGINEER/DEPARTMENT.



PROFILE - CONSTRUCTION BASELINE
SCALE: 1"=20' H. 1"=5' V.



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MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, ME 04106 Phone: (207) 775-5401		CIVIL PROFILE - CONSTRUCTION BASELINE	
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.		DATE: JULY 1, 2020 PROJ: 3611-19-1237 DWG: C-201 SHEET: 12 OF 23	
ISSUED FOR BIDDING FINAL DESIGN 90% DESIGN STATUS SET 30% DESIGN REVISION		NO. DATE A 1/17/20 B 3/27/20 C 4/13/20 D 5/22/20 E 7/01/20	
BY: APVD CHK: JWM DR: WJW		BBJ RSE BBJ RSE BBJ JDW BBJ JDW BBJ JDW BBJ JDW	
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GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (STATE STANDARDS) AND THE CONTRACT DOCUMENTS, SPECIFICALLY:
 - SPECIFICATION SECTION 31 25 00 EROSION AND SEDIMENTATION CONTROL;
 - DRAWING C-103, EROSION AND SEDIMENT CONTROL PLAN - 0101;
 - DRAWING C-301, EROSION AND SEDIMENT CONTROL NOTES; AND
 - DRAWING C-302, EROSION AND SEDIMENT CONTROL DETAILS.
- REFER TO GENERAL CONSTRUCTION NOTES ON DRAWING G-002, FOR ADDITIONAL REQUIREMENTS.
- RAILROAD SOIL EXCAVATION WILL BE CONDUCTED IN THE TWO AREAS SHOWN, STARTING FROM THE UPSTREAM END OF THE REMEDIATION LIMITS AND PROCEEDING DOWN-SLOPE. ACTIVE SOIL REMOVAL UP-SLOPE SHALL BE ISOLATED TO PROTECT DOWN-SLOPE AND COMPLETED UP-SLOPE AREAS. THE ACTUAL LIMITS OF PHASING; METHODS OF ISOLATION AND EXCAVATION; AND DEWATERING AND BROOK BYPASS, SHALL BE DEVELOPED BY THE CONTRACTOR AND OUTLINED IN THE CONSTRUCTION WORK PLAN FOR APPROVAL BY THE DEPARTMENT.
- IF A DISCREPANCY EXISTS BETWEEN THE STATE STANDARDS AND THE CONTRACT DOCUMENTS, THE STATE STANDARDS SHALL TAKE PRECEDENCE.
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- EROSION AND SEDIMENTATION CONTROLS SHALL BE AUGMENTED OR SUPPLEMENTED IF THE INSTALLED MEASURES DO NOT PROVIDE ADEQUATE PROTECTION OF DOWNSTREAM RESOURCES AS DETERMINED BY THE ENGINEER OR DEPARTMENT.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN FOURTEEN (14) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING AND MULCHING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED IN ACCORDANCE WITH SECTION 31 25 00 - EROSION AND SEDIMENT CONTROL.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND TRIBUTARY/CREEK BANKS) WILL RECEIVE TEMPORARY SEEDING IN ACCORDANCE WITH SECTION 31 25 00 - EROSION AND SEDIMENT CONTROL.
- ANY STEEP SLOPES (I.E. SLOPES GREATER THAN 3:1) WILL BE COMPLETELY GRADED AND STABILIZED DAILY, AS CONSTRUCTION PROGRESSES.
- THE STANDARD FOR STABILIZED CONSTRUCTION ENTRANCE REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING OR LEAVING THE CONSTRUCTION SITE.
- ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF WORK OR ONTO PUBLIC RIGHT-OF-WAYS SHALL BE REMOVED IMMEDIATELY.
- PERMANENT VEGETATION IS TO BE SEED OR SODDED ON ALL EXPOSED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING. IF SEEDING IS NOT PERFORMED WITHIN 48 HOURS OF COMPLETION OF FINAL GRADING, ADDITIONAL SURFACE SCARIFICATION SHALL BE COMPLETED PRIOR TO SEEDING.
- AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS TO BE UNDERTAKEN, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROWTH SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE TO SUSTAIN VEGETATIVE GROWTH. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT STABILIZATION SHALL BE EMPLOYED.
- DEWATERING OPERATIONS SHALL BE UNDERTAKEN IN A MANNER TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED PER THE STATE STANDARDS. CALCIUM CHLORIDE SHALL ONLY BE USED FOR DUST CONTROL DURING FREEZING CONDITIONS.
- STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF WORK WITH APPROPRIATE PROTECTIVE EROSION AND SEDIMENTATION CONTROLS.
- ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH CONTRACTOR DOCUMENTS AND APPROVED CONTRACTOR'S WORK PLAN.
- STABILIZED PLUNGE POOLS/SCOUR PADS MUST BE INSTALLED AT ALL TEMPORARY TRIBUTARY BYPASS SYSTEM DISCHARGE LOCATIONS AND/OR CONSTRUCTION WATER DISCHARGE LOCATIONS PRIOR TO THE DISCHARGE BECOMING OPERATIONAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR DOWNGRADIANT OF STORMWATER OUTFALLS/OUTLETS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- ALL VEHICLES TRANSPORTING CONTAMINATED MATERIAL SHALL BE FULLY-LINED WITH SHEETING MATERIAL IN ACCORDANCE WITH SECTION 2.1 OF SPECIFICATION SECTION 31 25 00 - EROSION AND SEDIMENT CONTROL, AN EQUIVALENT MATERIAL, OR OTHERWISE WATER-TIGHT, AND SHALL BE EQUIPPED WITH FUNCTIONING TAILGATE LOCKS AND NON-MESH (SOLID), WATERPROOF TARPULINS. AS AN ADDITIONAL MEASURE, CONTRACTOR SHALL BE PREPARED TO SPRAY FOAM ON THE SOIL BEFORE PLACING THE TARP.

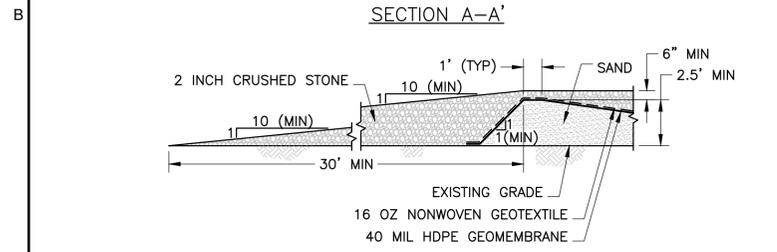
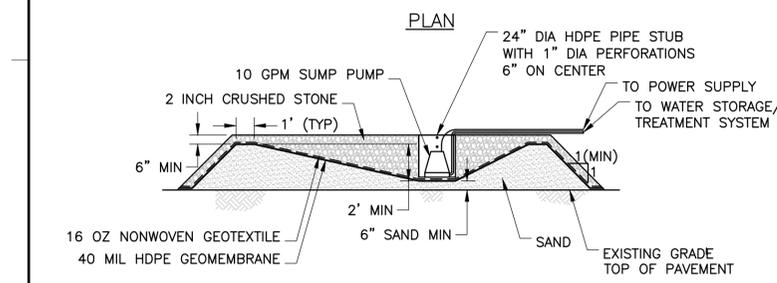
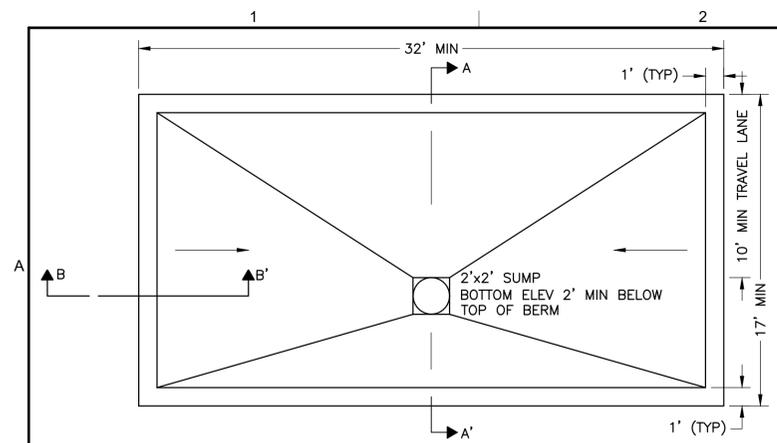
SOIL EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE:

- STABILIZED CONSTRUCTION ENTRANCE
 - STABILIZED CONSTRUCTION ENTRANCES SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 - STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PAVED SURFACES. CHECK FOR DAMAGE/DETERIORATION/CLOGGING AND IMMEDIATELY REPAIR OR RECONSTRUCT AS NECESSARY.
 - THE PERFORMANCE OF STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY LENGTHENING, SCRAPING, OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
 - STABILIZED CONSTRUCTION ENTRANCES SHALL HAVE A 6-INCH MINIMUM THICKNESS.
 - INSPECT ADJACENT IMPERVIOUS SURFACES DAILY (MINIMUM). IMMEDIATELY REMOVE VISIBLE ACCUMULATED SEDIMENT DEPOSITED ON PAVED SURFACES VIA SWEEPING, VACUUMING, OR WASHING. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. PROPERLY DISPOSE OF SEDIMENT.
- SEDIMENT BARRIERS
 - SILTATION FENCE
 - SILTATION FENCES SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 - REMOVE THE SEDIMENT DEPOSITS OR INSTALL A SECONDARY BARRIER UPSLOPE FROM THE EXISTING BARRIER WHEN SEDIMENT DEPOSITS REACH ONE HALF THE HEIGHT OF THE FENCE. PROPERLY DISPOSE OF SEDIMENT.
 - REPLACE OR REPAIR FENCES WITHIN 24 HOURS OF OBSERVED FAILURE (E.G., DAMAGE OR DECOMPOSITION; FENCE MOVED OUT OF POSITION; UNDERCUTTING, OVERTOPPING, OR FLOW CHANNELS AROUND THE END OF FENCES).
 - MAINTAIN SILTATION FENCES UNTIL THE CONTRIBUTING AREA IS STABILIZED.
 - AUGMENTED SILTATION FENCE
 - AUGMENTED SILTATION FENCES SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24- HOUR PERIOD.
 - REMOVE THE SEDIMENT DEPOSITS OR INSTALL A SECONDARY BARRIER UPSLOPE FROM THE EXISTING BARRIER WHEN SEDIMENT DEPOSITS REACH ONE HALF THE HEIGHT OF THE FENCE. PROPERLY DISPOSE OF SEDIMENT.
 - REPLACE OR REPAIR FENCES WITHIN 24 HOURS OF OBSERVED FAILURE (E.G., DAMAGE OR DECOMPOSITION; FENCE MOVED OUT OF POSITION; UNDERCUTTING, OVERTOPPING, OR FLOW CHANNELS AROUND THE END OF FENCES).
 - RESHAPE, ADD ADDITIONAL MATERIAL, OR REPLACE FILTER BERM WHEN DISTURBED BY CONSTRUCTION ACTIVITIES OR SIGNIFICANT STORM EVENTS.
 - MAINTAIN AUGMENTED SILTATION FENCES UNTIL THE CONTRIBUTING AREA IS STABILIZED.
 - FILTER BERMS
 - FILTER BERMS, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24- HOUR PERIOD.
 - REMOVE THE SEDIMENT DEPOSITS FROM THE BARRIER WHEN SEDIMENT DEPOSITS REACH ONE HALF THE HEIGHT OF THE FENCE. PROPERLY DISPOSE OF SEDIMENT.
 - REPLACE OR REPAIR BERMS WITHIN 24 HOURS OF OBSERVED FAILURE (E.G., DAMAGE OR DECOMPOSITION, BERM MATERIAL DISPLACED, OVERTOPPING, OR FLOW AROUND THE END OF BERM).
 - RESHAPE, ADD ADDITIONAL MATERIAL, OR REPLACE FILTER BERM WHEN DISTURBED BY CONSTRUCTION ACTIVITIES OR SIGNIFICANT STORM EVENTS.
 - MAINTAIN FILTER BERMS UNTIL THE CONTRIBUTING AREA IS STABILIZED
- TEMPORARY BROOK BYPASS SYSTEMS
 - TEMPORARY BROOK BYPASS SYSTEMS SHALL, AT A MINIMUM, BE INSPECTED DAILY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 - MAINTAIN TEMPORARY BROOK BYPASS SYSTEMS UNTIL THE REMEDIATION AND RESTORATION ACTIVITIES ARE COMPLETED AND TEMPORARY TRIBUTARY BYPASS SYSTEM IS NO LONGER REQUIRED.
 - TEMPORARY CONVEYANCES SHOULD BE COMPLETELY REMOVED AT THE COMPLETION OF BROOK RESTORATION.
- STABILIZED OUTLET PROTECTION
 - STABILIZED OUTLET PROTECTION, AT A MINIMUM, BE INSPECTED DAILY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 - REPLACE OR REPAIR WITHIN 24 HOURS OF OBSERVED FAILURE (E.G., MOVED STONE, ERODED SOIL AROUND OR UNDER THE POOL/PAD, DEPOSITED SEDIMENT). TRIBUTARY BYPASS DISCHARGE SHALL BE SUSPENDED UNTIL THE REPAIR IS COMPLETE.
- CHECK DAMS
 - CHECK DAMS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
 - REPLACE OR REPAIR CHECK DAMS WITHIN 24 HOURS OF OBSERVED FAILURE (E.G., MOVED STONE, ERODED SOIL AROUND OR UNDER THE CHECK DAM, TRAPPED SEDIMENTS OVERTOPPING CHECK DAM).
 - UNLESS INCORPORATED INTO A PERMANENT STORMWATER MANAGEMENT SYSTEM, CHECK DAMS SHALL BE REMOVED ONCE THE FINAL GRADING AND CHANNEL STABILIZATION IS APPLIED.
 - SEDIMENT DEPOSITS SHALL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE CHECK DAM. REMOVAL OF SEDIMENT MAY REQUIRE REPLACEMENT OF STONE. PROPERLY DISPOSE OF SEDIMENT.

- ODOR CONTROL
 - THE PROJECT SITE AND ADJACENT RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL, AT A MINIMUM, ODOR CONTROL SHALL BE CONDUCTED AT ALL TIMES DURING EXCAVATION AND HANDLING OF MGP-IMPACTED SOIL AND DEBRIS, IN ACCORDANCE WITH SECTION 01 76 50 - NUISANCE CONTROLS..
 - AIR MONITORING WILL BE CONDUCTED AT THE PERIMETER OF THE WORK AREA TO MEASURE AMOUNTS OF VOLATILE ORGANIC COMPOUNDS (VOCs) ASSOCIATED WITH MGP WASTE, INCLUDING BENZENE AND NAPHTHALENE, ANTICIPATED TO BE RELEASED DURING THE RA.
 - APPLY ODOR CONTROL MEASURES BASED ON AIR MONITORING READINGS OR WHEN ODOR BECOMES EVIDENT.
 - ODOR CONTROL MEASURES INCLUDE APPLYING HYDROCARBON VAPOR SUPPRESSING AGENTS, DETERGENTS, OR ODOR-SUPPRESSING FOAMS TO DREDGED SEDIMENTS, ACTIVE IN-SITU SOLIDIFICATION AREAS, AND STOCKPILED WASTES, AND IF STABILIZATION IS REQUIRED TO MEET DISPOSAL FACILITY REQUIREMENTS, CONDUCTING THE STABILIZATION OPERATIONS IN A TEMPORARY ENCLOSURE.
 - COMPLY WITH THE REQUIREMENTS OF THE COMMUNITY AIR MONITORING PLAN.
- DUST CONTROL
 - AT THE PROJECT SITE AND ADJACENT RESIDENTIAL AND COMMERCIAL PROPERTIES, AT A MINIMUM, DUST CONTROL SHALL BE CONDUCTED AT ALL TIMES DURING EXCAVATION AND HANDLING OF IMPACTED SOIL AND DEBRIS.
 - AIR MONITORING WILL BE CONDUCTED AT THE PERIMETER OF THE WORK AREA TO DETERMINE WHEN ENGINEERING CONTROLS (E.G., FOAM, WATER SPRAY, COVERING STOCKPILES) ARE REQUIRED TO SUPPRESS DUST EMISSION DURING THE EXECUTION OF THE WORK.
 - APPLY DUST CONTROL MEASURES WHEN FUGITIVE DUST BASED AIR MONITORING READINGS OR DUST BECOMES VISUALLY EVIDENT.
 - COMPLY WITH THE REQUIREMENTS OF THE COMMUNITY AIR MONITORING PLAN.
- TEMPORARY SEEDING AND MULCHING
 - AREAS RECEIVING TEMPORARY SEEDING AND MULCHING SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 - WHERE SEED/MULCH HAS MOVED OR SOIL EROSION HAS OCCURRED, REPAIR THE AREA APPROPRIATELY AND RE-APPLY SEED AND/OR MULCH. APPLY NETTING, TACKIFIER, OR OTHER ANCHORING TECHNIQUES AS NECESSARY TO PREVENT FAILURE. ADDITIONAL TEMPORARY MEASURES MAY ALSO BE INSTALLED TO CONTROL STORMWATER RUNOFF AND SEDIMENT MOVEMENT.
 - CONTINUE INSPECTION AND MAINTENANCE OF AREAS RECEIVING TEMPORARY SEEDING AND MULCHING UNTIL AT LEAST 90% OF THE SOIL SURFACE IS BE COVERED BY MATURE, ESTABLISHED VEGETATION CAPABLE OF CONTROLLING SOIL EROSION AND SURVIVING SEVERE WEATHER.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED ONCE DISTURBED AREAS ARE STABILIZED WITH PERMANENT ESTABLISHED VEGETATION, OR GRAVEL.

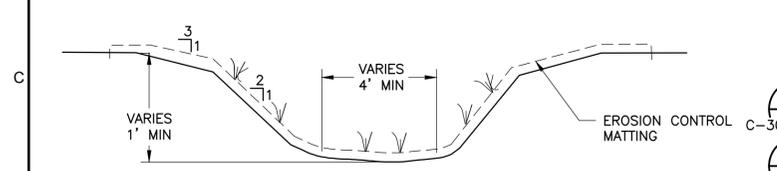
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	REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDCEC SITE NUMBER - 516008	CIVIL EROSION AND SEDIMENT CONTROL NOTES	E 7/01/20 D 5/22/20 C 4/13/20 B 3/27/20 A 1/17/20	NO. DATE REVISION	DR BBJ	JVM CHK	APVD MAP	JVDW APVD
			ISSUED FOR BIDDING FINAL DESIGN 90% DESIGN STATUS SET 30% DESIGN	BBJ RSE BBJ RSE BBJ JDW BBJ JDW BBJ JDW BY APVD	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.			
 MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, ME 04106 (207) 775-5401			VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.					
DATE JULY 1, 2020 PROJ 3611-19-1237 DWG C-301 SHEET 13 OF 23			THIS DRAWING IS THE PROPERTY OF MACTEC, INCLUDING ALL PATENTED AND UNPATENTED FEATURES, AND/OR CONFIDENTIAL INFORMATION AND ITS USE IS CONDITIONED UPON THE USER'S AGREEMENT NOT TO REPRODUCE THE DRAWING, IN WHOLE OR PART, NOR THE MATERIAL DESCRIBED THEREON, NOR THE MATERIAL DESCRIBED THEREON.					



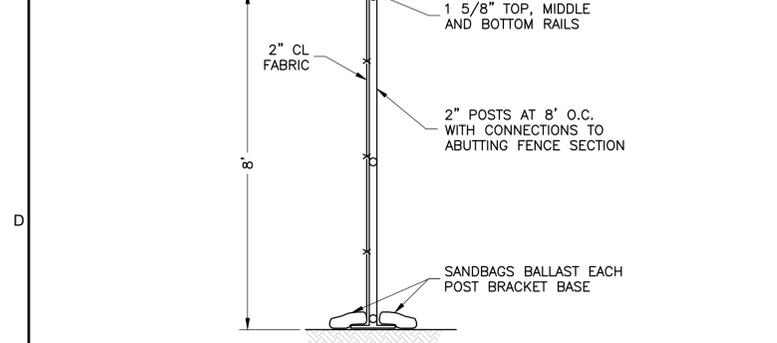
NOTE: CONTRACTOR MAY PROPOSE ALTERNATE MEANS AND METHODS OF DECONTAMINATION FOR APPROVAL BY THE ENGINEER.

VEHICLE DECONTAMINATION PAD (B1) C-303
NTS

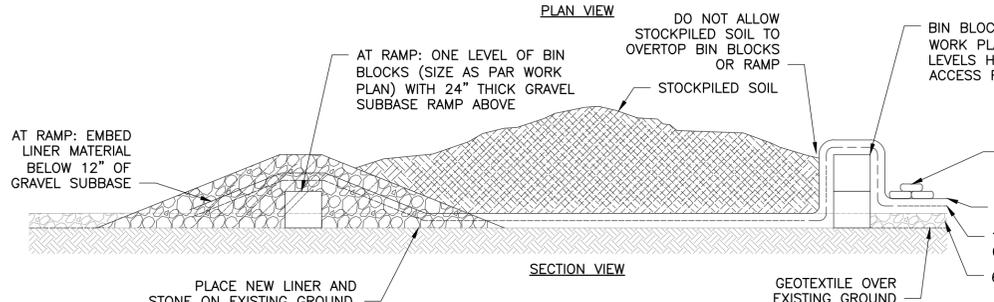
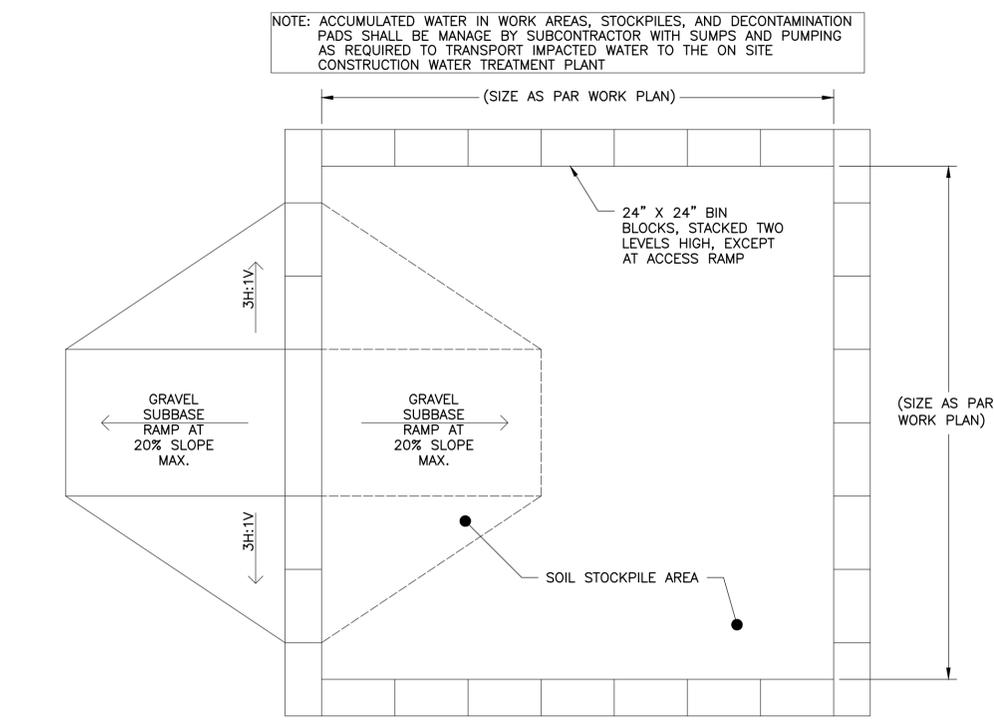


NOTE: 1. VEGETATED SWALES SHALL INCLUDE TYPE IA COVER BUILDUP, AS SHOWN ON THE DRAWINGS.

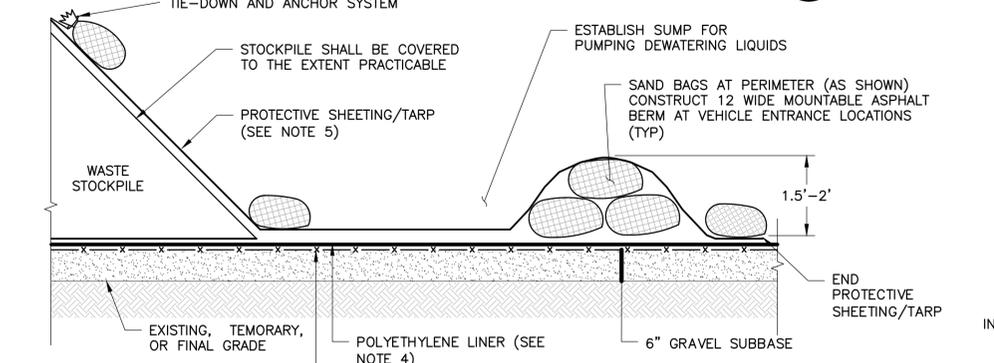
VEGETATED DRAINAGE SWALE (C1) C-303
NTS



TEMPORARY/PORTABLE CHAIN LINK FENCE PANELS (D1) C-303
NTS

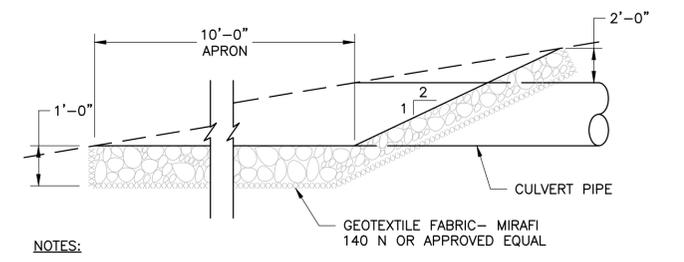


TYPE II SOIL STOCKPILE CONTAINMENT AREA (C5) C-303
NTS



NOTES:
1. GEOMEMBRANE COVER IS NOT REQUIRED FOR STOCKPILES OF CERTIFIED CLEAN MATERIAL; THEY MAY BE USED AS DUST CONTROL MEASURE.
2. SOIL/DEBRIS STOCKPILE SHALL BE COVERED TO THE EXTENT PRACTICABLE.
3. SOIL/DEBRIS STOCKPILE SHALL BE LOCATED WITHIN TEMPORARY CONTRACTOR STAGING AND STORAGE AREA.
4. POLYETHYLENE LINER SHALL BE 40-MIL WELDED HDPE OR 20-MIL SEAMED LLDPE, AS APPROVED BY THE ENGINEER.
5. PROTECTIVE SHEETING/TARP SHALL BE 6-MIL POLY MINIMUM, SEALED AND WATERTIGHT, AS APPROVED BY THE ENGINEER.

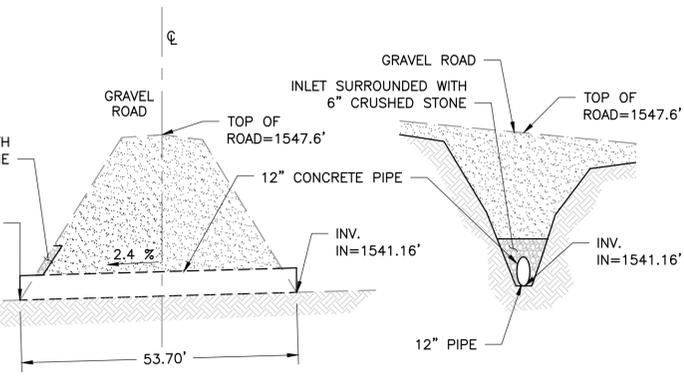
TYPE I STOCKPILE CONTAINMENT AREA (D3) C-303
NTS



NOTES:
1. THE WIDTH OF THE RIPRAP SHALL EXTEND 2'-0" BEYOND EACH SIDE OF THE CULVERT PIPE AT THE OUTLET AND WIDEN TO 10'-0" AT END OF THE APRON.
2. USE OF A SCOUR PAD OR OTHER ENERGY ABSORPTION METHOD MAY BE PROPOSED BY CONTRACTOR, AS APPROVED BY ENGINEER.

STABILIZED BROOK BYPASS OUTLET PROTECTION (C6) C-303
NTS

NOTES:
1. THIS DETAIL SHOWS AN IMPACTED SOIL STOCKPILE. THIS DESIGN CAN ALSO BE USED FOR A CLEAN FILL STOCKPILE. LINER AND GEOTEXTILE ARE REQUIRED FOR IMPACTED SOIL STOCKPILE ONLY.
2. STOCKPILES FOR IMPACTED SOIL AND CLEAN FILL MAY SHARE ONE BIN BLOCK WALL TO SAVE SPACE AND MATERIALS.
3. MAINTAIN CLEAR SIGNAGE AT EACH STOCKPILE TO ENSURE THAT IMPACTED SOILS AND CLEAN FILL ARE NOT MIXED.
4. TOP OF BIN BLOCK WALL AND RAMP SHALL BE SIZED BY CONTRACTOR, AS PER WORK PLAN.
5. SIZE AND DIMENSION AS PER WORK PLAN. CONTRACTOR SHALL SUBMIT SKETCHES FOR APPROVAL BY THE ENGINEER.
6. POLYETHYLENE LINER SHALL BE 40-MIL WELDED HDPE OR 20-MIL SEAMED LLDPE, AS APPROVED BY THE ENGINEER.



12" CULVERT PIPE (D6) C-303
NTS

ISSUED FOR BIDDING	BBJ	RSE	APVD	JDM
FINAL DESIGN	BBJ	RSE	MAP	JDM
90% DESIGN	BBJ	JDW	CHK	JVM
STATUS SET	BBJ	JDW	DR	BBJ
30% DESIGN	BBJ	JDW	DSGN	BBJ
REVISION	BY	DATE	NO.	
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	BBJ	4/13/20	B	
	BBJ	5/22/20	D	
	BBJ	7/01/20	E	

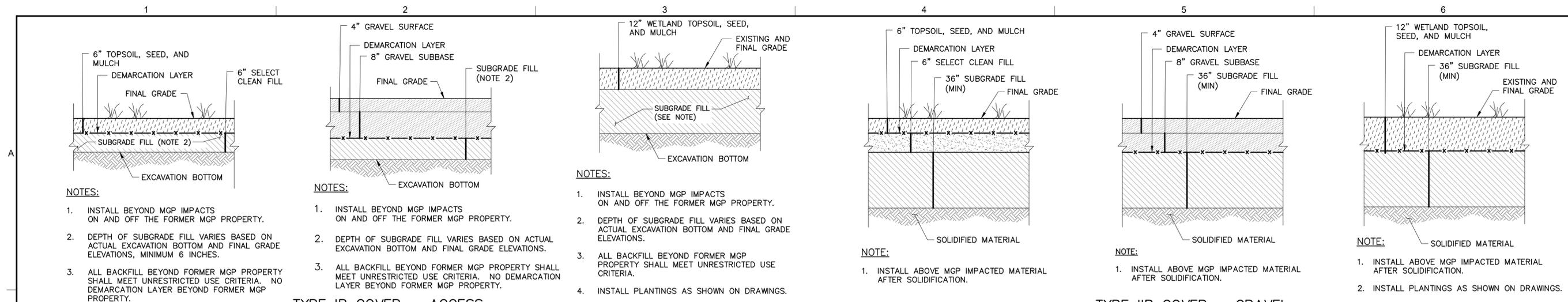
REMEDIAL ACTION
SARANAC LAKE GAS CO., INC.
SARANAC LAKE, NEW YORK
NYSDEC SITE NUMBER - 516008

MACTEC Engineering and Geology, P.C.
P.O. Box 7050, 511 Congress Street
Portland, ME 04106
(207) 775-5401

CIVIL
CIVIL DETAILS - 1

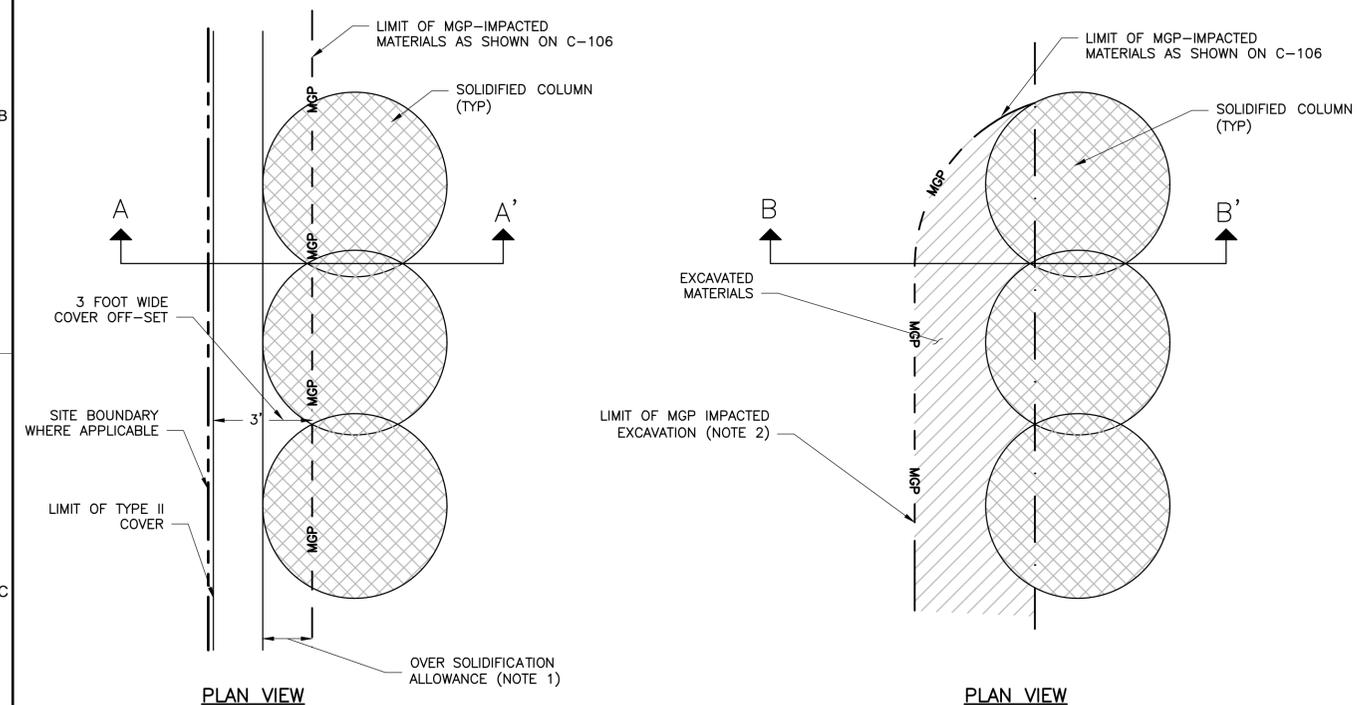
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DATE: JULY 1, 2020
PROJ: 3611-19-1237
DWG: C-303
SHEET: 15 OF 23

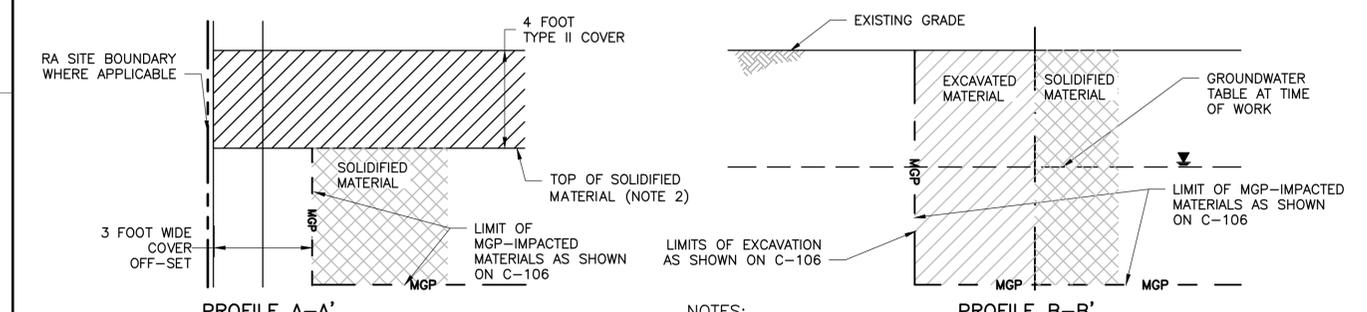


- NOTES:**
- INSTALL BEYOND MGP IMPACTS ON AND OFF THE FORMER MGP PROPERTY.
 - DEPTH OF SUBGRADE FILL VARIES BASED ON ACTUAL EXCAVATION BOTTOM AND FINAL GRADE ELEVATIONS, MINIMUM 6 INCHES.
 - ALL BACKFILL BEYOND FORMER MGP PROPERTY SHALL MEET UNRESTRICTED USE CRITERIA. NO DEMARCATION LAYER BEYOND FORMER MGP PROPERTY.

TYPE IA COVER - VEGETATED (A1) NTS C-304
TYPE IB COVER - ACCESS ROAD & GRAVEL SURFACE (A2) NTS C-304
TYPE IC COVER - VEGETATED UPLAND (A3) NTS C-304
TYPE IIA COVER - VEGETATED (A4) NTS C-304
TYPE IIB COVER - GRAVEL SURFACE (A5) NTS C-304
TYPE IIC COVER - VEGETATED WETLAND (A6) NTS C-304



PLAN VIEW



PROFILE A-A' **PROFILE B-B'**

- NOTES:**
- OVER SOLIDIFICATION ALLOWANCE IS PART OF THE WORK AND SHALL BE LIMITED TO 3 FEET, SO 4 FOOT COVER IS OVER ALL SOLIDIFIED MATERIALS.
 - TOP OF SOLIDIFIED IMPACTED MATERIALS INCLUDES ALL MATERIALS RECEIVING SOLIDIFICATION.
- NOTES:**
- SHORING DESIGNED, INSTALLED AND REMOVED BY CONTRACTOR. LIMIT LOADS TO MATCH CONTRACTOR DESIGN. ALLOW FOR UP TO 2 FEET OF ADDITIONAL VERTICAL EXCAVATION FROM THAT SHOWN ON DRAWING C-106.
 - EXCAVATION LIMITS TO BE DETERMINED BASED ON PRE-EXCAVATION SAMPLING AND ANALYSIS BY OTHERS.
 - EXCAVATION MAY OCCUR AFTER STABILIZATION. ALL MGP IMPACTED MATERIALS SHALL BE REMOVED FROM SURFACE OF STABILIZED COLUMNS. CONTRACTOR RESPONSIBLE FOR EXCAVATION STABILITY. NO MGP IMPACTED MATERIALS TO REMAIN OUTSIDE SOLIDIFIED MATERIALS.

SOLIDIFICATION AND TYPE II COVER LIMITS (D1) NTS C-304
EXCAVATIONS ADJACENT TO SOLIDIFIED MATERIALS (D3) NTS C-304

ISSUED FOR BIDDING	BBJ	RSE	JDW	APVD	JDW
FINAL DESIGN	BBJ	RSE	JDW	MAP	JDW
90% DESIGN	BBJ	JDW	CHK	JVM	JDW
STATUS SET	BBJ	JDW	DR	BBJ	JDW
30% DESIGN	BBJ	JDW	NO.	DATE	DATE
REVISION	BY	DATE	NO.	DATE	DATE

REMEDIAL ACTION
 SARANAC LAKE GAS CO., INC.
 SARANAC LAKE, NEW YORK
 NYSDEC SITE NUMBER - 516008

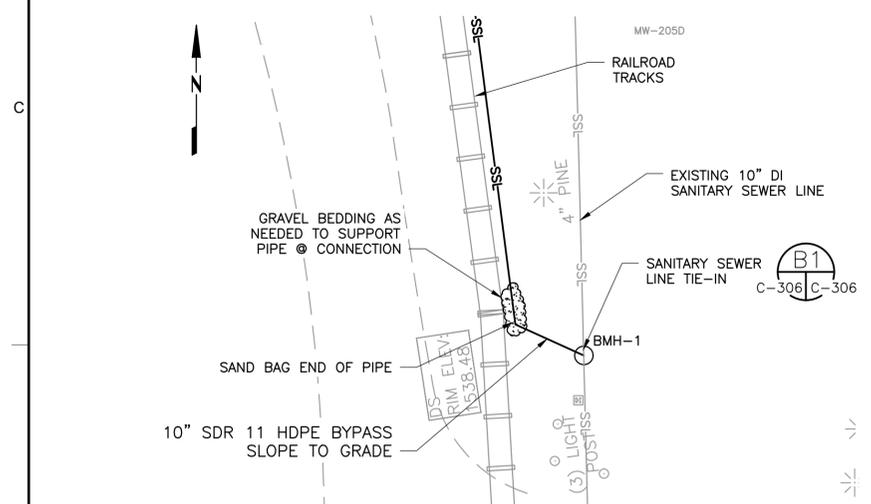
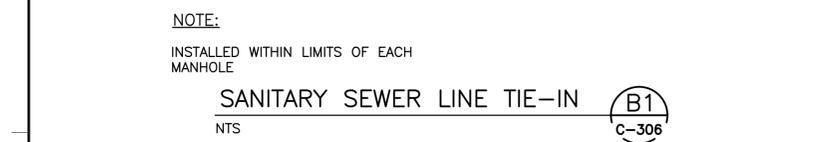
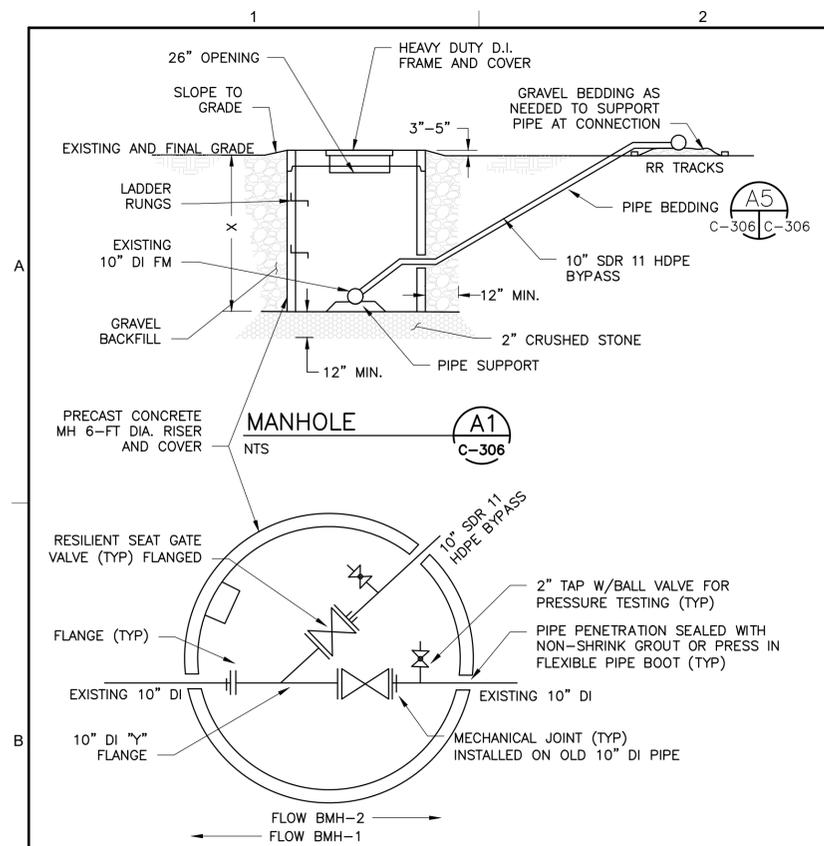
CIVIL
CIVIL DETAILS - 2

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.

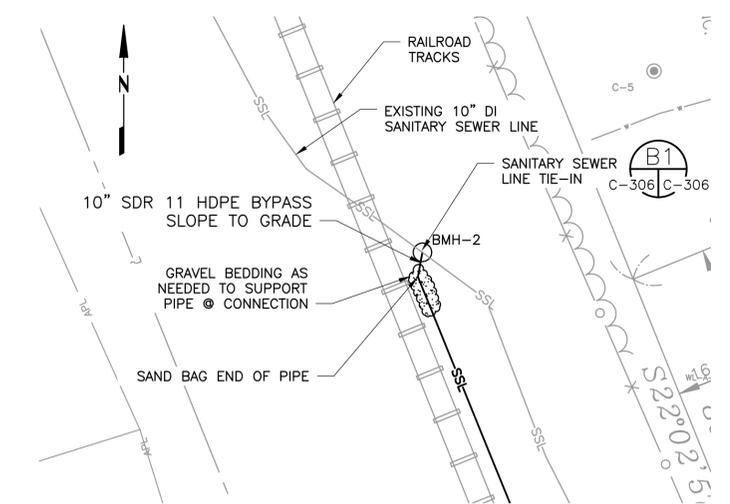
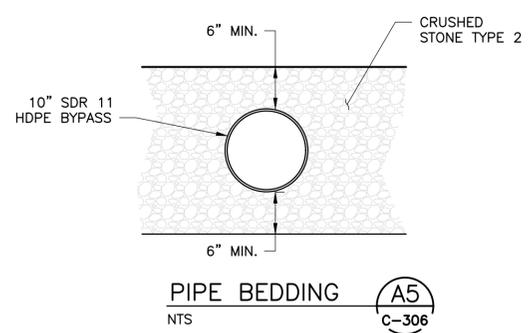
DATE: JULY 1, 2020
 PROJ: 3611-19-1237
 DWG: C-304
 SHEET: 16 OF 23

MACTEC Engineering and Geology, P.C.
 P.O. Box 7050, 511 Congress Street
 Portland, ME 04106-7050
 Phone: (207) 775-5401

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- NOTES:**
- SANITARY SEWER BYPASS MANHOLES (BMH-1 AND BMH-2) TO BE INSTALLED AS PERMANENT STRUCTURES AND WILL REMAIN IN-PLACE AFTER PROJECT COMPLETION.
 - ALL REQUIRED CONNECTION PIPING (VALVES, FLANGES, TESTING TAPS, ETC.) TO BE INSTALLED WITHIN THE LIMITS OF THE MANHOLES.
 - AREA AROUND BMH-1 AND BMH-2 TO BE SLOPED TO DIRECT DRAINAGE AWAY FROM MANHOLES.
 - ALL UNDERGROUND BYPASS PIPING TO BE BEDDED IN TYPE 2 CRUSHED STONE AS DETAILED.
 - TYPE 2 CRUSHED STONE BEDDING SHALL BE PROVIDED TO SUPPORT PIPE ENTRANCE TO RAILROAD TRACKS AND SLOPED TO ALLOW FINAL SUPPORT ON TRACK TIES.
 - SAND FOR BAGGING SHALL BE PROVIDED AT BOTH ENDS AND EVERY 50' OF THE ABOVE GROUND PORTION OF THE SANITARY SEWER BYPASS TO PREVENT MOVEMENT.
 - TEMPORARY SANITARY SEWER BYPASS TO BE INSTALLED ABOVE GROUND AND CONSTRUCTED OUT OF 10" DIAMETER SDR 11 HDPE WITH BUTT OR ELECTROFUSED JOINTS. GRADING ALONG THE ROUTE OF THE BYPASS BY THE CONTRACTOR MAY BE REQUIRED FOR ADEQUATE SUPPORT AS APPROVED BY THE ENGINEER. BYPASS SHALL BE INSTALLED IN A MANNER THAT DOES NOT CREATE A HAZARD TO PEDESTRIAN AND/OR VEHICULAR TRAVEL.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, AND INSTALLING HEAT TRACE AND INSULATION OF THE SANITARY SEWER BYPASS TO PREVENT FROST/FREEZING. TEMPORARY ELECTRICAL SERVICE FOR THE HEAT TRACE SHALL BE PROVIDED BY THE CONTRACTOR. EXTEND HEAT TRACE AND INSULATION A MINIMUM OF 4 FEET BELOW GRADE. SUBMIT DETAILS FOR APPROVAL BY THE ENGINEER.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESSURE TESTING OF THE EXISTING SANITARY SEWER ONCE THE BYPASS IS APPROVED AND ACTIVATED AND AGAIN PRIOR TO PLACING IT BACK INTO SERVICE BEFORE THE TEMPORARY BYPASS IS DEACTIVATED AND REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESSURE TESTING OF THE BYPASS LINE PRIOR TO PLACING INTO SERVICE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE BYPASS LINE, BEDDING AND TEMPORARY ELECTRICAL SERVICE FOR THE HEAT TRACE UPON PROJECT COMPLETION.
 - MANHOLE DEPTHS TO BE DETERMINED BY CONTRACTOR, APPROXIMATE DEPTH OF EXISTING LINE IS 5 FEET +/-.



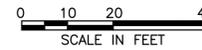
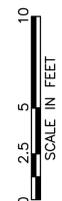
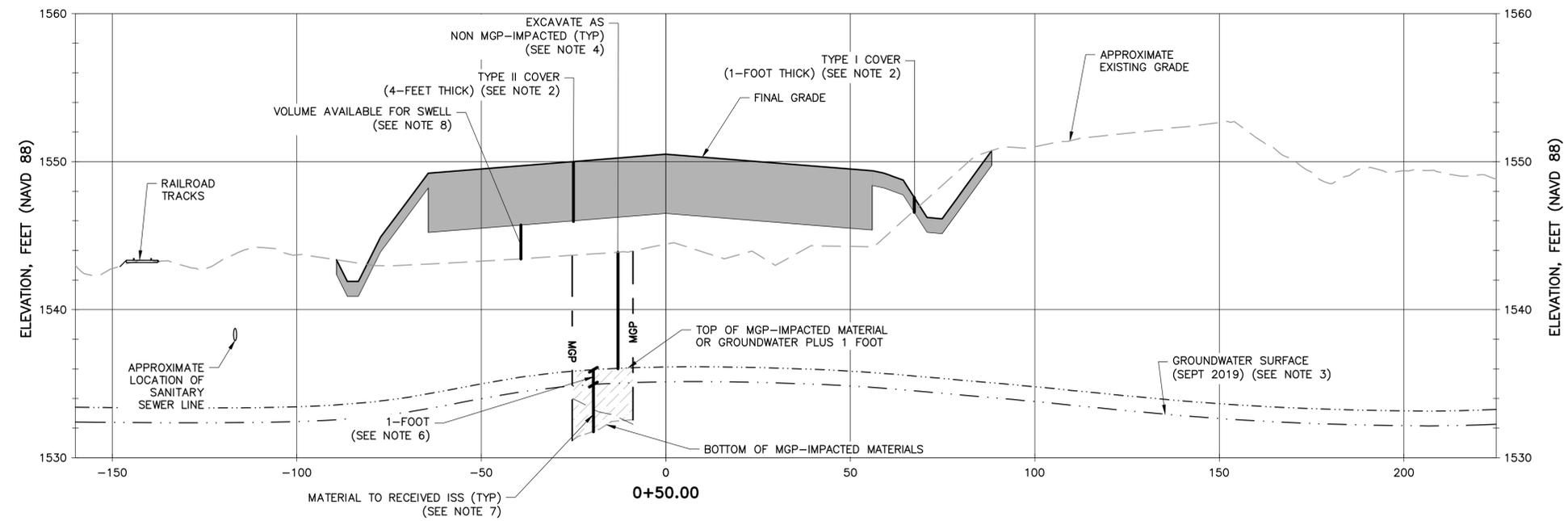
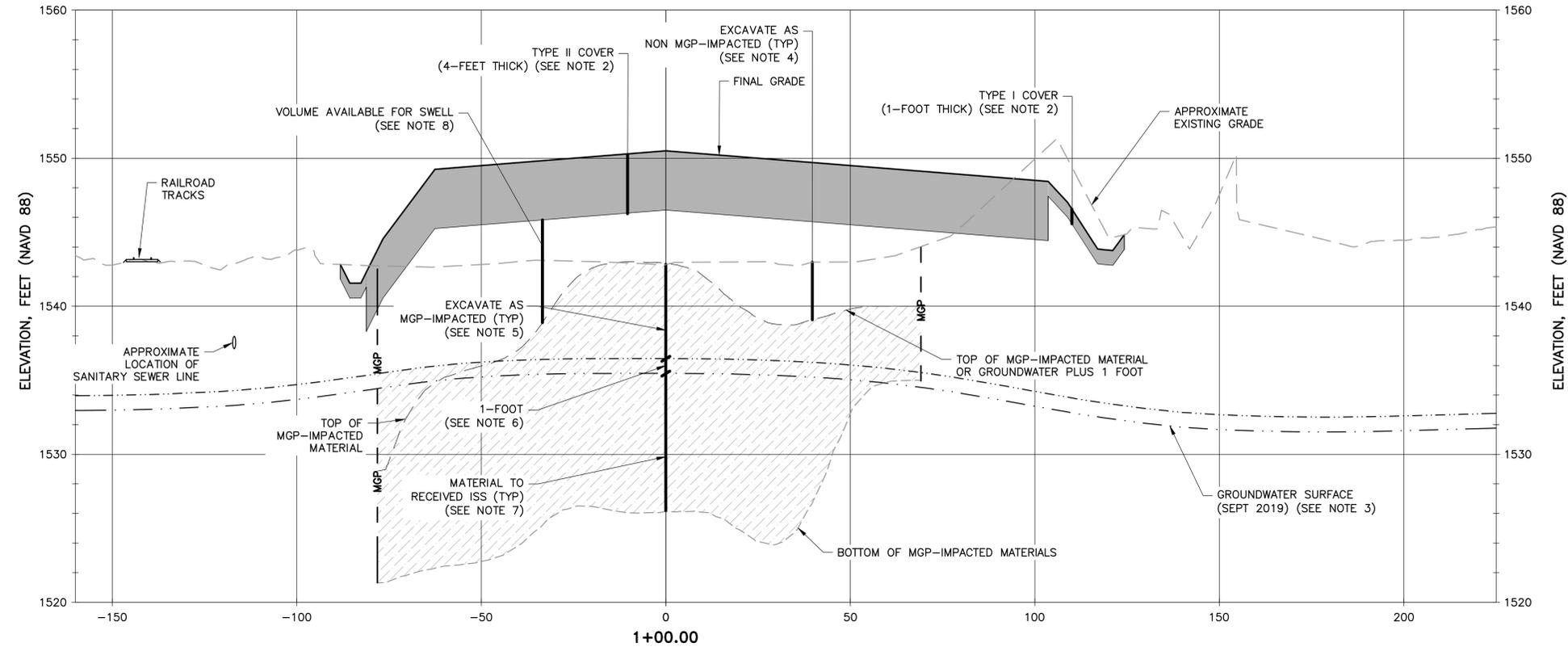
PLAN VIEW - BMH-1 (D2) C-306
SCALE: 1" = 20'

PLAN VIEW - BMH-2 (D4) C-306
SCALE: 1" = 20'

ISSUED FOR BIDDING		BBJ	RSE	JDW	APVD	JDW
FINAL DESIGN		BBJ	RSE	JDW	MAP	JDW
90% DESIGN		BBJ	JDW	BY	CHK	JVM
STATUS SET		BBJ	JDW	DR	DR	BBJ
30% DESIGN		BBJ	JDW	NO.	DATE	DSGN
E	7/01/20					
D	5/22/20					
C	4/13/20					
B	3/27/20					
A	1/17/20					
REMEDIAL ACTION		SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008				
CIVIL		SANITARY SEWER LINE BYPASS DETAILS				
MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, ME 04106-7050 (207) 775-5401		VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING				
DATE		JULY 1, 2020				
PROJ		3611-19-1237				
DWG		C-306				
SHEET		18 OF 23				

NOTES:

- FOR BASELINE LOCATION AND ORIENTATION SEE SHEETS C-106 THROUGH 108.
- FOR SPECIFIC LIMITS OF TYPE I AND II COVERS, REFER TO SHEET C-108.
- GROUNDWATER CONDITIONS MAY VARY AT TIME OF WORK, AS APPROVED BY ENGINEER.
- NON MGP-IMPACTED MATERIAL MAY CONTAIN POCKETS OF MGP-IMPACTED MATERIALS, SEPARATE AND STOCKPILE SEPARATELY.
- MGP-IMPACTED MATERIALS TO BE EXCAVATED EXTENDS DOWN TO 1-FOOT ABOVE THE GROUNDWATER TABLE AT THE TIME OF THE WORK, AS APPROVED BY ENGINEER. STOCKPILE, SOLIDIFY AND PLACE WITHIN THE 4 FOOT COVER LIMITS BELOW SUBGRADE ELEVATIONS SHOWN ON DRAWING C-107.
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- IN-SITU SOLIDIFICATION (ISS) TO BE PERFORMED FROM THE BOTTOM OF MGP-IMPACTED MATERIALS LIMIT UP TO 1 FOOT ABOVE GROUNDWATER TABLE.
- VOLUME AVAILABLE FOR SWELL AND DISPOSAL VOLUMES ARE RELATED TO FINAL GRADE. ACTUAL FINAL GRADE MAY CHANGE FROM THAT SHOWN TO LIMIT IMPORTED MATERIALS.

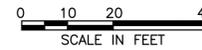
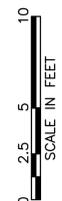
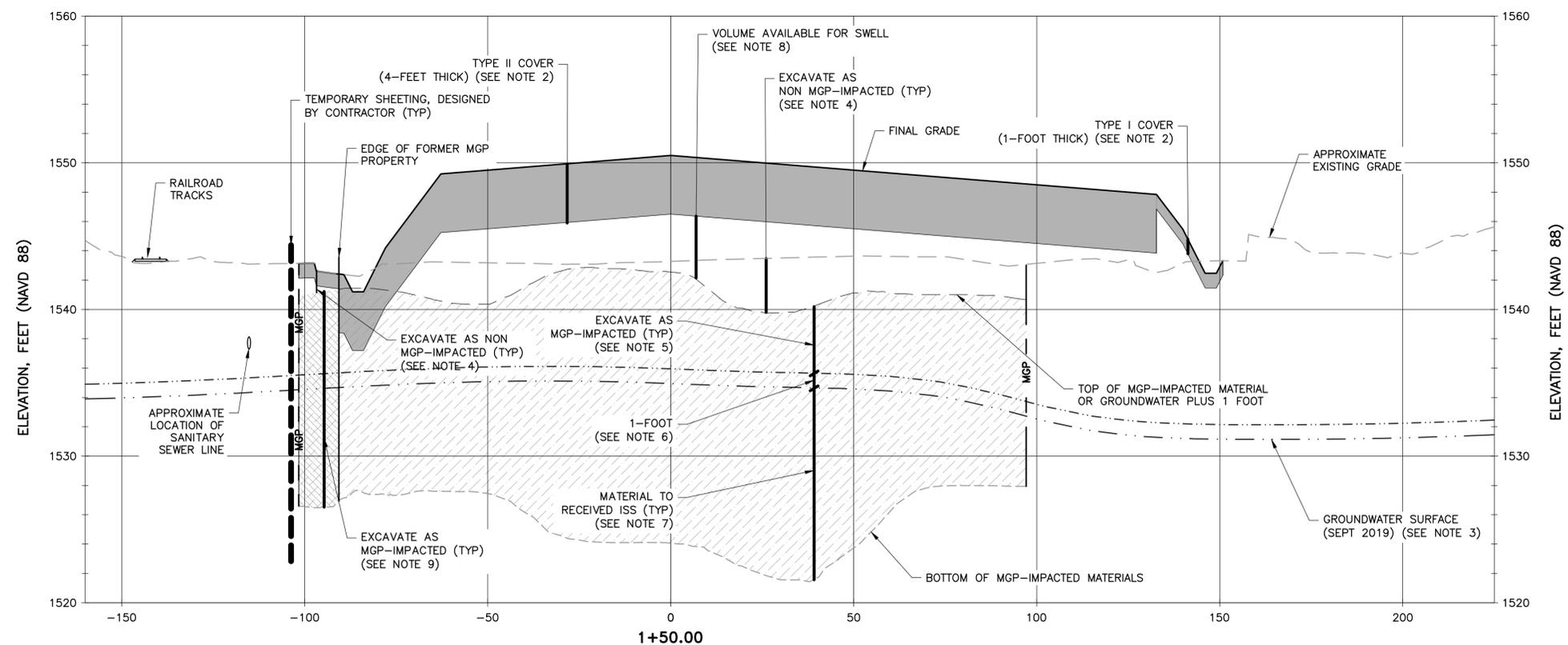
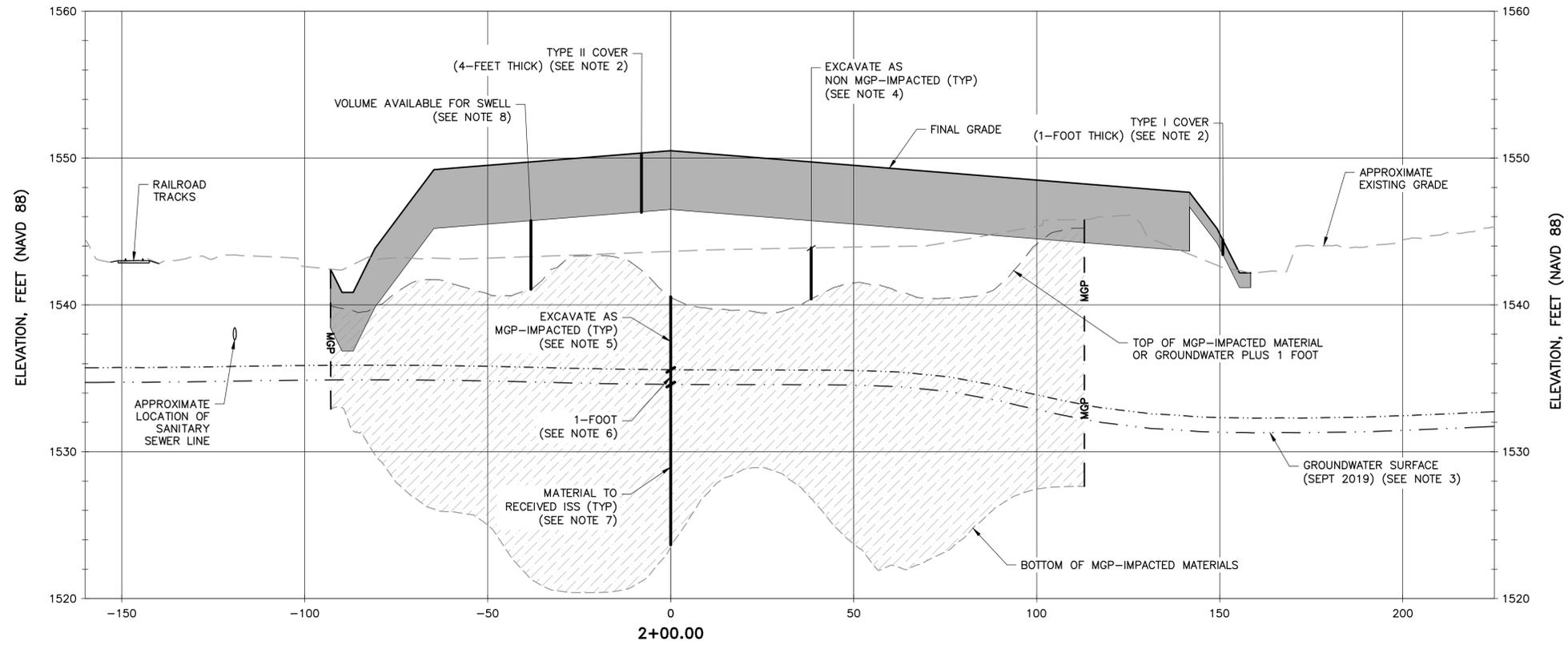


		REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008	
MACTEC Engineering and Geology, P.C. P.O. Box 7050, 51 Congress Street Portland, ME 04106-7050 (207) 775-5401	CIVIL CROSS SECTIONS STA 0+50 TO STA 1+00		
ISSUED FOR BIDDING FINAL DESIGN 90% DESIGN STATUS SET 30% DESIGN	NO. DATE DSGN 7/01/20 D 5/22/20 C 4/13/20 B 3/27/20 A 1/17/20	BY APVD BBJ JDM BBJ JDM BBJ JDM BBJ JDM	DR CHK JVM BBJ APVD BBJ JDM
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.			
DATE	JULY 1, 2020		
PROJ	3611-19-1237		
DWG	C-501		
SHEET	19 OF 23		

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- MGP-IMPACTED MATERIALS TO BE EXCAVATED EXTENDS DOWN TO 1-FOOT ABOVE THE GROUNDWATER TABLE AT THE TIME OF THE WORK, AS APPROVED BY ENGINEER. STOCKPILE, SOLIDIFY AND PLACE WITHIN THE 4 FOOT COVER LIMITS BELOW SUBGRADE ELEVATIONS SHOWN ON DRAWING C-107.
- EXCAVATION IS SHOWN AS LIMITED TO 1 FOOT ABOVE THE GROUNDWATER TABLE DUE TO EXPECTED SURFACE WORKABILITY, AS PER WORK PLAN.
- IN-SITU SOLIDIFICATION (ISS) TO BE PERFORMED FROM THE BOTTOM OF MGP-IMPACTED MATERIALS LIMIT UP TO 1 FOOT ABOVE GROUNDWATER TABLE.
- VOLUME AVAILABLE FOR SWELL AND DISPOSAL VOLUMES ARE RELATED TO FINAL GRADE. ACTUAL FINAL GRADE MAY CHANGE FROM THAT SHOWN TO LIMIT IMPORTED MATERIALS.

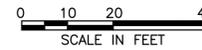
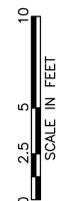
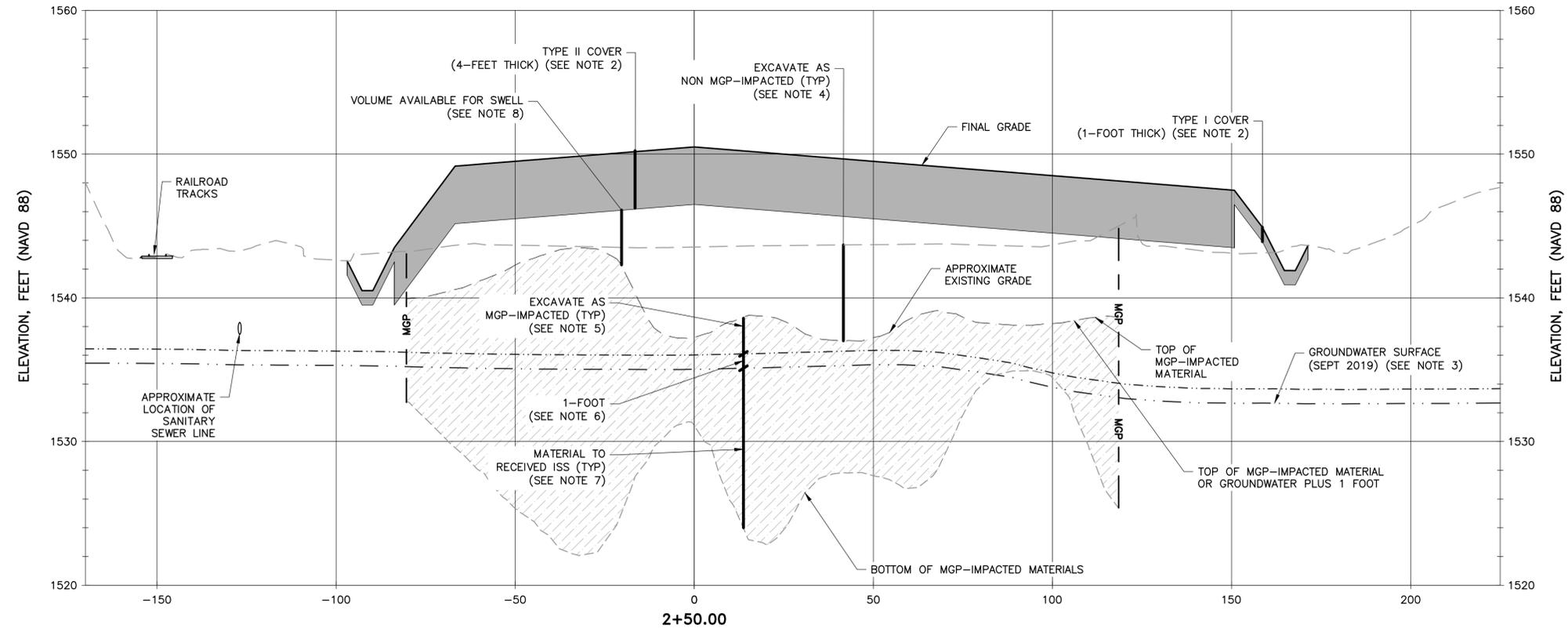
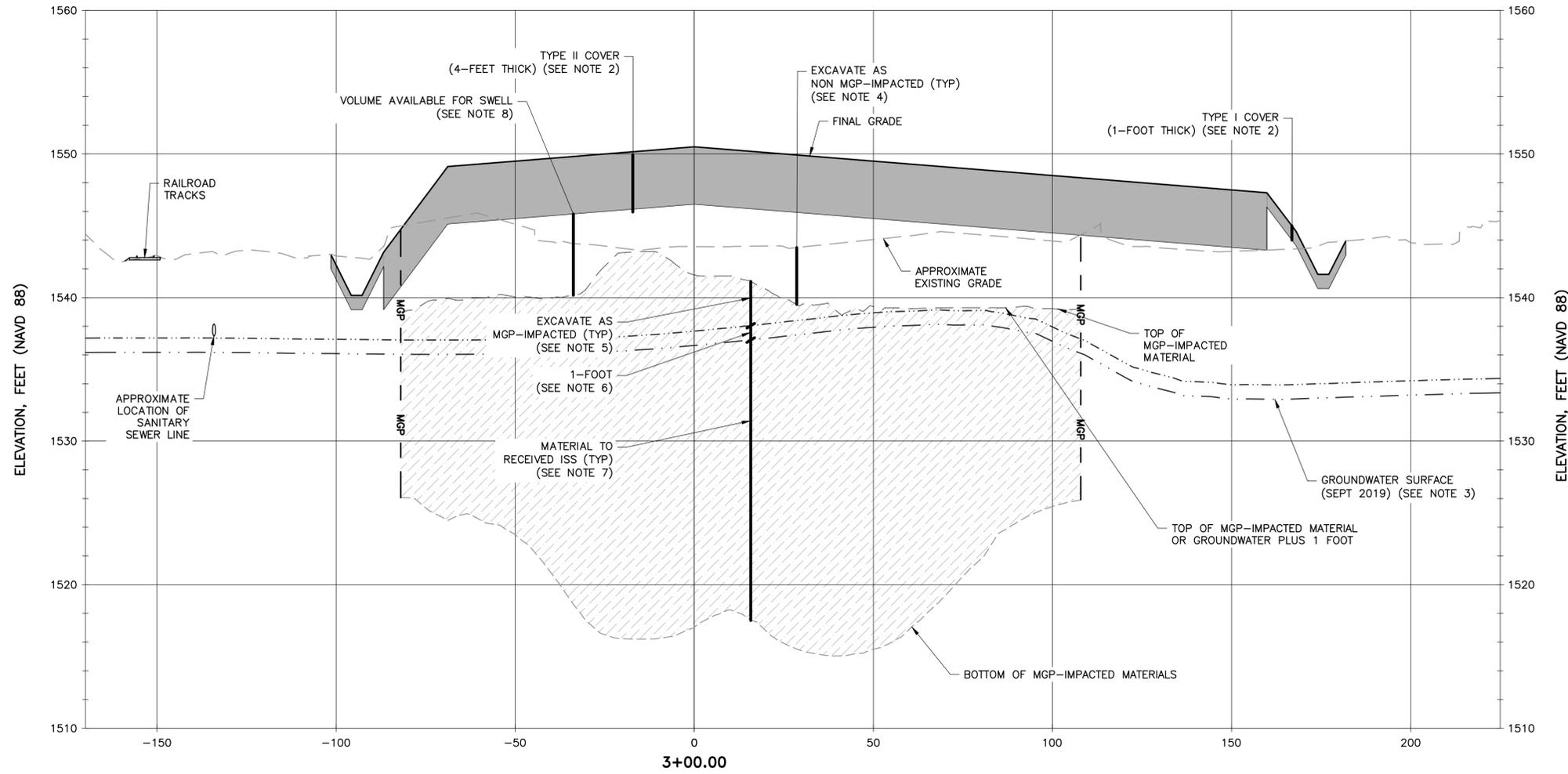


		MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, Oregon 97208-7050 (503) 775-5401	
CIVIL CROSS SECTIONS STA 1+50 TO STA 2+00		REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008	
ISSUED FOR BIDDING FINAL DESIGN	BBJ RSE BBJ RSE	7/01/20 D	BBJ RSE BBJ RSE
90% DESIGN STATUS SET	BBJ JDW BBJ JDW	5/22/20 C	BBJ JDW BBJ JDW
30% DESIGN REVISION	BBJ JDW BBJ JDW	4/13/20 B	BBJ JDW BBJ JDW
NO. DATE	BY APVD	3/27/20 A	BBJ JDW BBJ JDW
DSGN	DR	1/17/20	BBJ APVD
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.		DATE JULY 1, 2020 PROJ 3611-19-1237 DWG C-502 SHEET 20 OF 23	

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ISSUED FOR BIDDING		BBJ	RSE	BBJ	RSE	BBJ	JDW	BBJ	JDW	BBJ	JDW	BBJ	JDW	BY	APVD	JDW
FINAL DESIGN		BBJ	RSE	BBJ	JDW	BY	APVD	JDW								
90% DESIGN		BBJ	JDW	BY	APVD	JDW										
STATUS SET		BBJ	JDW	BY	APVD	JDW										
30% DESIGN		BBJ	JDW	BY	APVD	JDW										
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DSGN		BBJ	JDW	BY	APVD	JDW										
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CHK		BBJ	JDW	BY	APVD	JDW										
JVM		BBJ	JDW	BY	APVD	JDW										
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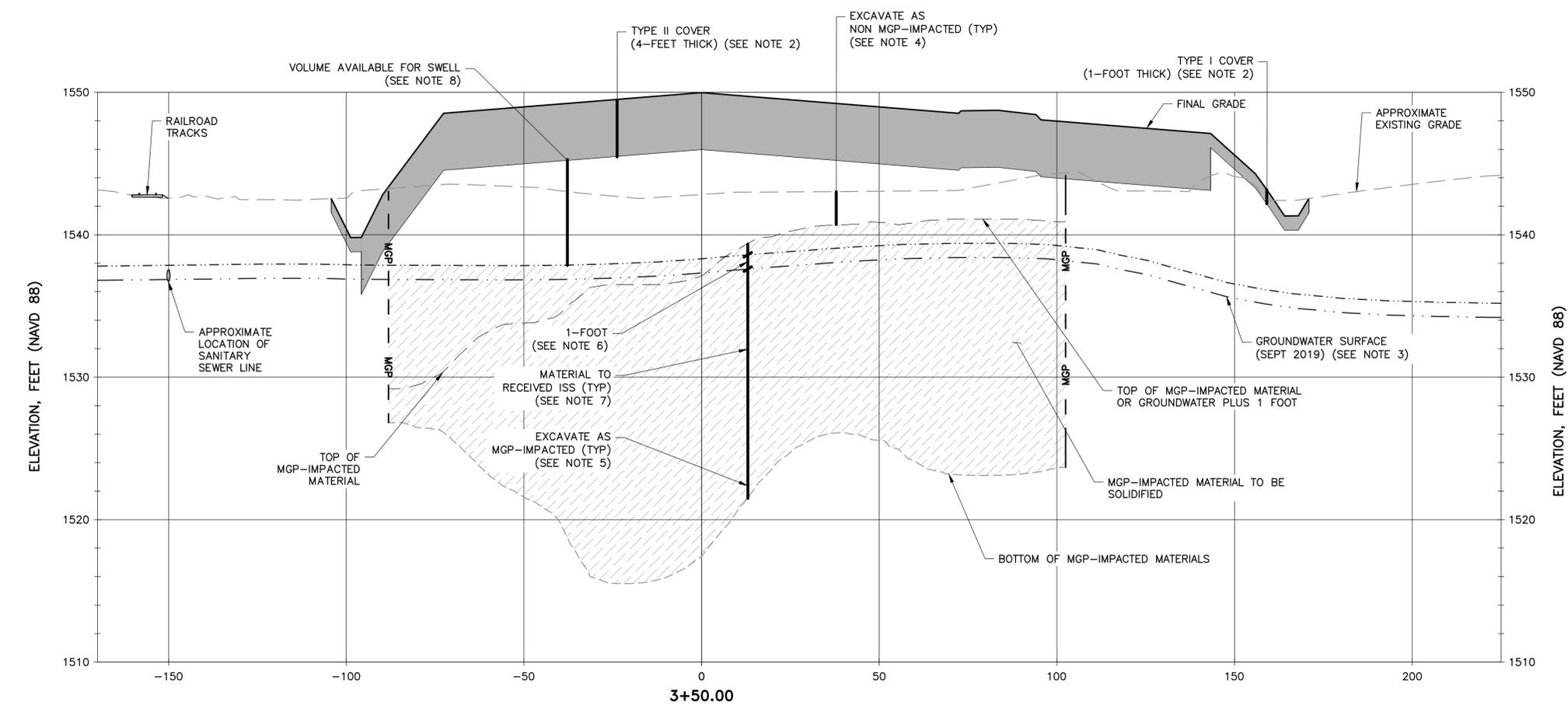
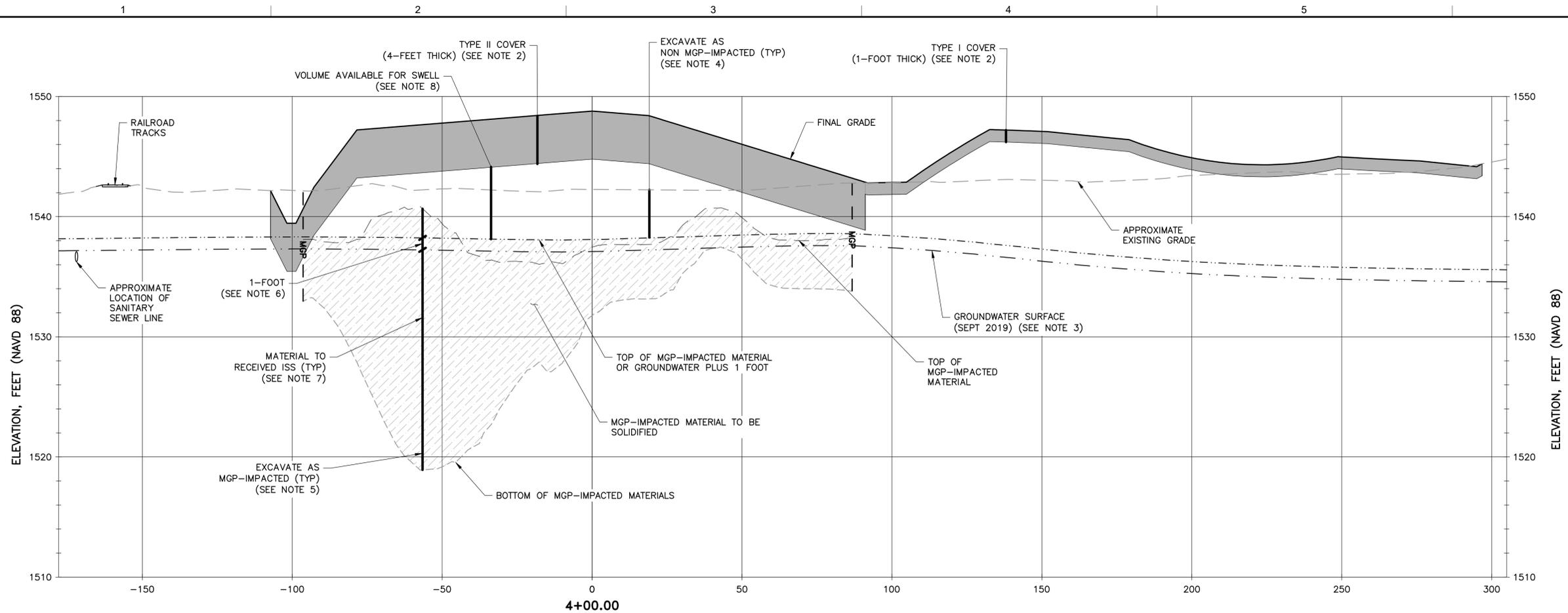
REMEDIAL ACTION
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 SARANAC LAKE, NEW YORK
 NYSDEC SITE NUMBER - 516008

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 Portland, ME 04106
 (207) 775-5401



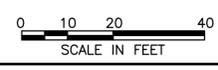
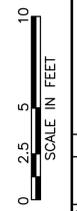
CIVIL
 CROSS SECTIONS
 STA 2+50 TO STA 3+00

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	JULY 1, 2020
PROJ	3611-19-1237
DWG	C-503
SHEET	21 OF 23



NOTES:

- FOR BASELINE LOCATION AND ORIENTATION SEE SHEETS C-106 THROUGH 108.
- FOR SPECIFIC LIMITS OF TYPE I AND II COVERS, REFER TO SHEET C-108.
- GROUNDWATER CONDITIONS MAY VARY AT TIME OF WORK, AS APPROVED BY ENGINEER.
- NON MGP-IMPACTED MATERIAL MAY CONTAIN POCKETS OF MGP - IMPACTED MATERIALS, SEPARATE AND STOCKPILE SEPARATELY.
- MGP-IMPACTED MATERIAL TO BE EXCAVATED EXTENDS DOWN TO 1-FOOT ABOVE THE GROUNDWATER TABLE AT THE TIME OF THE WORK, AS APPROVED BY ENGINEER. STOCKPILE, SOLIDIFY AND PLACE WITHIN THE 4 FOOT COVER LIMITS BELOW SUBGRADE ELEVATIONS SHOWN ON DRAWING C-107.
- EXCAVATION IS SHOWN AS LIMITED TO 1 FOOT ABOVE THE GROUNDWATER TABLE DUE TO EXPECTED SURFACE WORKABILITY, AS PER WORK PLAN.
- IN-SITU SOLIDIFICATION (ISS) TO BE PERFORMED FROM THE BOTTOM OF MGP-IMPACTED MATERIALS LIMIT UP TO 1 FOOT ABOVE GROUNDWATER TABLE.
- VOLUME AVAILABLE FOR SWELL AND DISPOSAL VOLUMES ARE RELATED TO FINAL GRADE. ACTUAL FINAL GRADE MAY CHANGE FROM THAT SHOWN TO LIMIT IMPORTED MATERIALS.

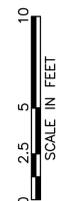
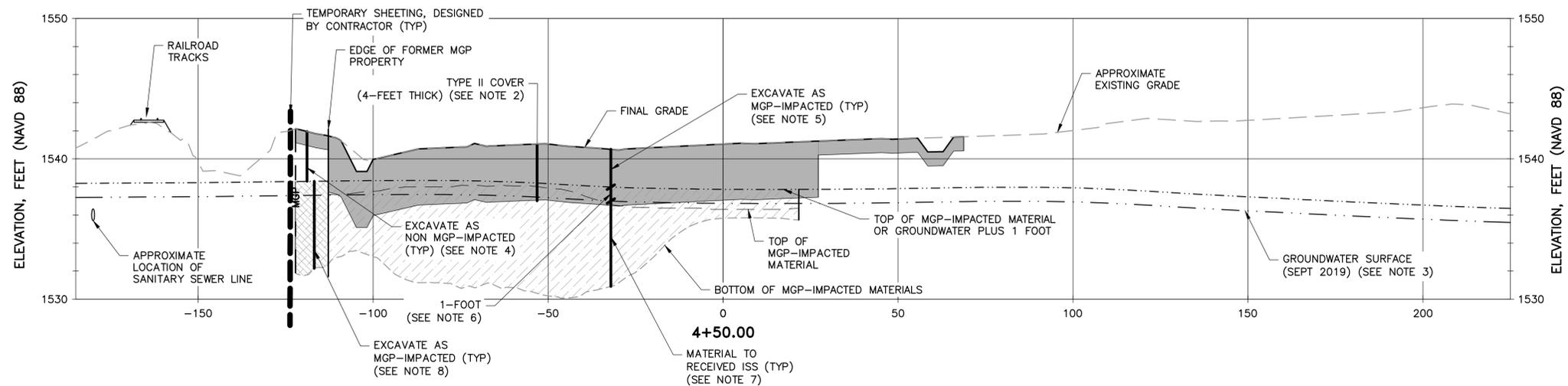


<p>MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Port Jervis, NY 14778 (207) 775-5401</p>		<p>REMEDIAL ACTION</p> <p>SARANAC LAKE GAS CO., INC.</p> <p>SARANAC LAKE, NEW YORK</p> <p>NYSDEC SITE NUMBER - 516008</p>	
<p>CIVIL</p> <p>CROSS SECTIONS</p> <p>STA 3+50 TO STA 4+00</p>		<p>ISSUED FOR BIDDING</p> <p>FINAL DESIGN</p> <p>90% DESIGN</p> <p>STATUS SET</p> <p>30% DESIGN</p>	
E	7/01/20	BBJ	RSE
D	5/22/20	BBJ	RSE
C	4/13/20	BBJ	JDW
B	3/27/20	BBJ	JDW
A	1/17/20	BBJ	JDW
NO. DATE		BY	APVD
DSGN		CHK	APVD
		JVM	JDW
		DR	BBJ

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- EXCAVATION DEPTH TO BE DETERMINED BASED ON CONFIRMATION SAMPLING RESULTS.



 MACTEC Engineering and Geology, P.C. P.O. Box 7050, 511 Congress Street Portland, Oregon 97207-7050 (503) 775-5401		REMEDIAL ACTION SARANAC LAKE GAS CO., INC. SARANAC LAKE, NEW YORK NYSDEC SITE NUMBER - 516008		ISSUED FOR BIDDING FINAL DESIGN 90% DESIGN STATUS SET 30% DESIGN REVISION		E 7/01/20 D 5/22/20 C 4/13/20 B 3/27/20 A 1/17/20 NO. DATE DSGN		DR BBJ JVM APVD BBJ JMW JVDW			
CIVIL CROSS SECTIONS STA 4+50											
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.											
DATE		JULY 1, 2020		PROJ		3611-19-1237		DWG		C-505	
SHEET		23 OF 23		SHEET		23 OF 23		SHEET		23 OF 23	

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