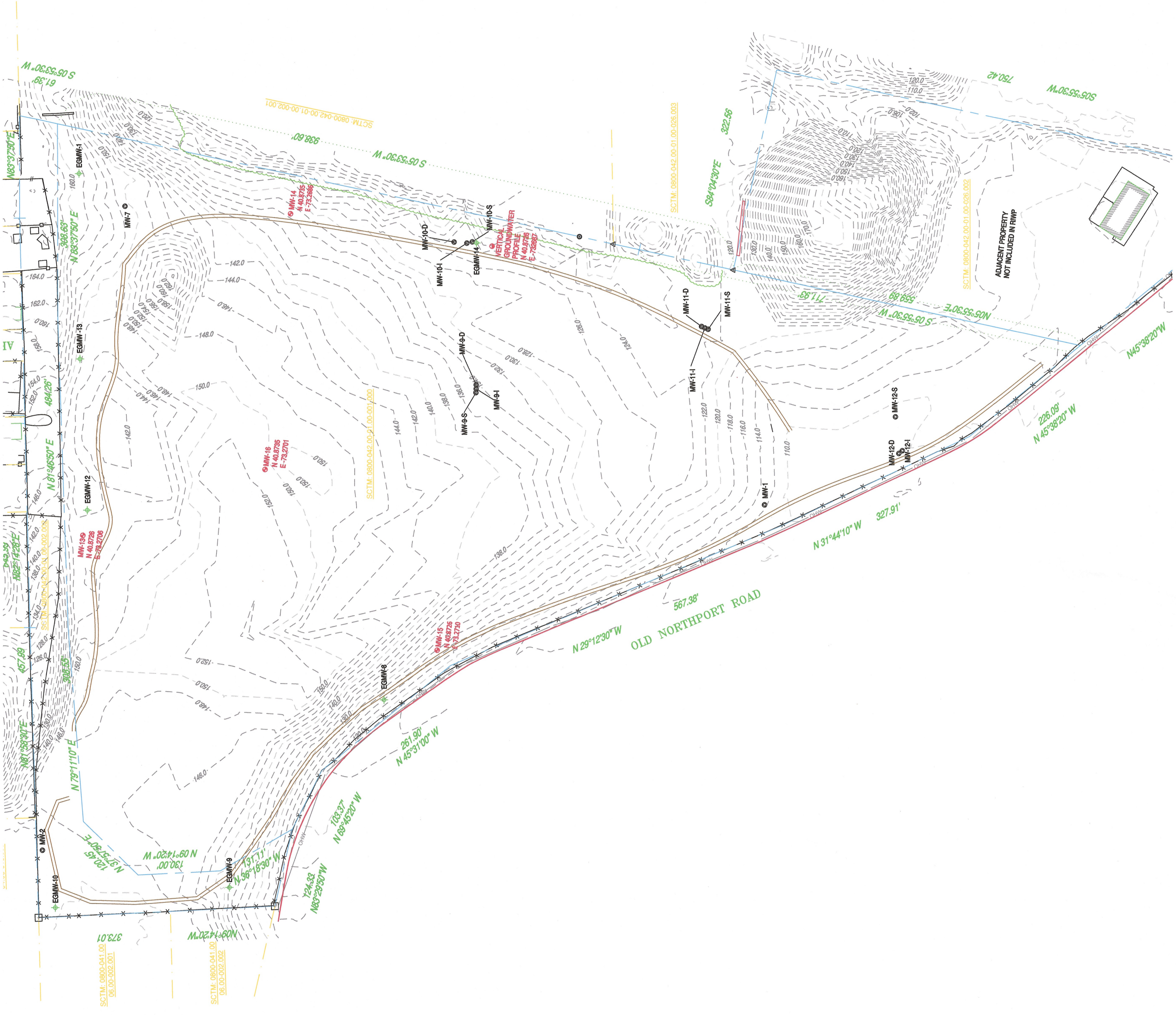


GROUNDWATER WELL LOCATIONS		
WELL NUMBER	LATITUDE (N)	LONGITUDE (E)
VERTICAL	40.8734	-73.2595
GROUNDWATER PROFILE		
MW-13	40.8742	-73.2706
MW-14	40.8735	-73.2686
MW-15	40.8726	-73.2710
MW-16	40.8735	-73.2701



- LEGEND**
- DRAINAGE MANHOLE
 - WOOD UTILITY POLE
 - ▭ CATCHBASIN
 - ⊕ MONUMENT
 - ⊕ REBAR
 - ⊕ LATH
 - ⊕ EXISTING MONITORING WELL (MW)
 - ⊕ PROPOSED MONITORING WELL (MW)
 - ⊕ EXPLOSIVE GAS MONITORING WELL (EGMW)

IT IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, FIRM OR CORPORATION TO BE ENGAGED BY AN ARCHITECT, ENGINEER OR PROFESSIONAL ENGINEER TO ALTER ANY ITEM IN ANY WAY IF ANY ITEM BEARING THE SEAL OF AN ENGINEER IS ALTERED. THE ALTERING ENGINEER SHALL AFFIX HIS SEAL AND A NOTATION "ALTERED BY", FOLLOWED BY HIS SIGNATURE AND DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NUMBER	DATE	DESCRIPTION	BY
1	07/12/23	ISSUED TO INCORPORATE JUNE 29, 2023 NYSEC REVIEW COMMENTS	S.T.K.
0	06/16/23	NEW DRAWING FOR PROPOSED GROUNDWATER MONITORING WELLS	S.T.K.

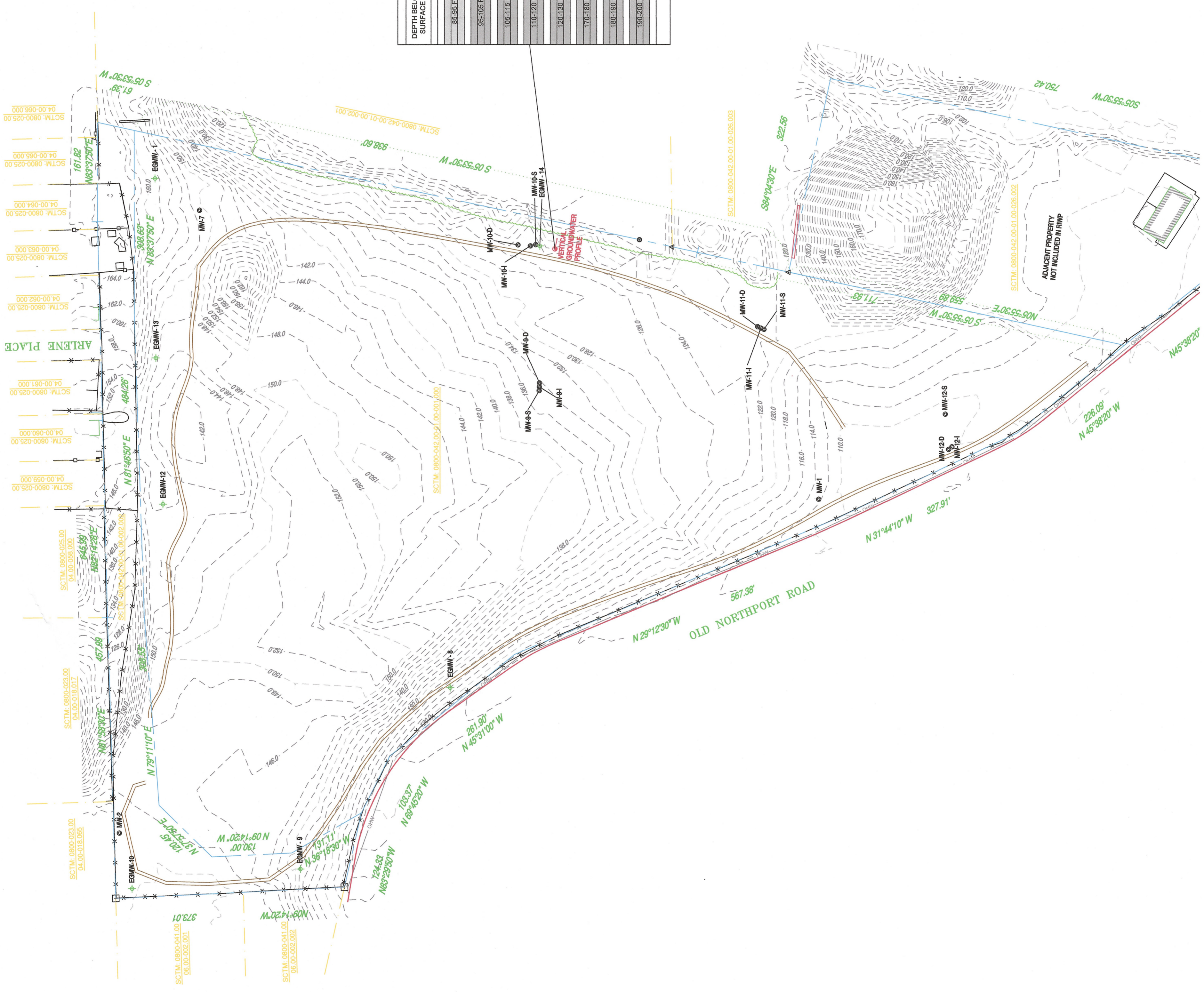
REVISIONS	NUMBER	DATE	DESCRIPTION	BY

DESIGNED BY: EUGENE G. KEMPEY
 DRAWN BY: EUGENE G. KEMPEY
 CHECKED BY: EUGENE G. KEMPEY
 APPROVED BY: EUGENE G. KEMPEY P.E.



COX BROS. LLC
 168 TOWN LINE ROAD
 KINGS PARK, NEW YORK 11754
 KEMPEY ENGINEERING
 1569 EAST BEECHER HILL ROAD
 OWEGO, NEW YORK 13827
 (607) 223-4653

KEMPEY ENGINEERING
 REMEDIAL INVESTIGATION
 PROPOSED GROUNDWATER
 MONITORING WELL LOCATION PLAN
 Fig. 9
 1 OF 4
 SCALE: 100' = 1"
 ISSUE DATE: 12/15/2023
 DRAWING NUMBER: 12/15/2023
 REVISION NUMBER: 1
 SHEET NUMBER: 1 OF 4



DEPTH BELOW GROUND SURFACE ELEVATION	CONTAMINATES	NYSD&C AMBIENT GROUNDWATER GUIDANCE LEVEL	SAMPLE RESULTS
84.58 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	0.0083
84.58 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	0.0051
84.58 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	0.0181
95.01 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	0.1706
95.01 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	7.128
95.01 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	ND
105.16 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	0.0084
105.16 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	0.0084
105.16 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	0.0211
116.20 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	0.0087
116.20 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	0.0087
116.20 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	0.0087
126.13 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	0.0087
126.13 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	0.0087
126.13 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	0.0087
136.18 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	0.0153
136.18 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	0.0110
136.18 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	0.0271
146.19 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	0.0087
146.19 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	0.0087
146.19 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	0.0087
156.20 FEET BGS	PERFLUOROOCTANOIC ACID (PFOS)	0.0087	ND
156.20 FEET BGS	PERFLUOROTETRANITROACID (PFNA)	0.0087	ND
156.20 FEET BGS	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.0087	0.0370

VALUES IN RED EXCEED THE NYSD&C AMBIENT GROUNDWATER GUIDANCE LEVEL

- LEGEND**
- DRAINAGE MANHOLE
 - WOOD UTILITY POLE
 - CATCHBASIN
 - MONUMENT
 - REBAR
 - LATH
 - EXISTING MONITORING WELL (MW)
 - PROPOSED MONITORING WELL (MW)
 - VERTICAL GROUNDWATER PROFILE
 - EXPLOSIVE GAS MONITORING WELL (EGMW)

IT IS A VIOLATION OF SECTION 2208.2 OF THE NEW YORK STATE EPCRL TO CONDUCT THIS INVESTIGATION UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER ANY ITEM IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX HIS SEAL AND A NOTATION "ALTERED BY", FOLLOWED BY HIS SIGNATURE AND DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NUMBER	DATE	DESCRIPTION	BY
0	10/18/23	ISSUED FOR THE DELINEATION OF VERTICAL GROUNDWATER PROFILE SAMPLING RESULTS	S.T.K.

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
EUGENE G. KEMPEY	EUGENE G. KEMPEY	EUGENE G. KEMPEY	EUGENE G. KEMPEY P.E.



COX BROS. LLC
188 TOWN LINE ROAD
KINGS PARK, NEW YORK 11754

KEMPEY ENGINEERING
1568 EAST BEECHER HILL ROAD
OMEGO, NEW YORK 13827
(607) 223-4653

SOIL BORING NUMBER 1			
SOIL BORING NUMBER 1	CONTAMINANTS	GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE US/KG	SAMPLE RESULTS US/KG
SR-1 UPPER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	500.0	0.205
	PERFLUOROOCTANESULFONIC ACID (PFOS)	400.0	1.61
SR-1 LOWER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	150,000.0	ND
	PERFLUOROOCTANESULFONIC ACID (PFOS)	500.0	0.126
SR-1 NATIVE	PERFLUOROTANIC ACID (PFOA)	400.0	0.795
	PERFLUOROOCTANESULFONIC ACID (PFOS)	150,000.0	ND

VALUES IN RED EXCEED GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE PROVIDED IN SAMPLING ANALYSIS AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNDER NYSDEC'S PART 375 REMEDIAL PROGRAMS APRIL 2023 AND 6 NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCSO) FOR 1,4-DIOXANE.

SOIL BORING NUMBER 7			
SOIL BORING NUMBER 7	CONTAMINANTS	GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE US/KG	SAMPLE RESULTS US/KG
SR-7 UPPER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	500.0	0.984
	PERFLUOROOCTANESULFONIC ACID (PFOS)	400.0	0.722
SR-7 LOWER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	150,000.0	ND
	PERFLUOROOCTANESULFONIC ACID (PFOS)	500.0	0.182
SR-7 NATIVE	PERFLUOROTANIC ACID (PFOA)	400.0	0.64
	PERFLUOROOCTANESULFONIC ACID (PFOS)	150,000.0	ND

VALUES IN RED EXCEED GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE PROVIDED IN SAMPLING ANALYSIS AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNDER NYSDEC'S PART 375 REMEDIAL PROGRAMS APRIL 2023 AND 6 NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCSO) FOR 1,4-DIOXANE.

SOIL BORING NUMBER 4			
SOIL BORING NUMBER 4	CONTAMINANTS	GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE US/KG	SAMPLE RESULTS US/KG
SR-4 UPPER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	500.0	0.907
	PERFLUOROOCTANESULFONIC ACID (PFOS)	400.0	0.87
SR-4 LOWER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	150,000.0	ND
	PERFLUOROOCTANESULFONIC ACID (PFOS)	500.0	0.22
SR-4 NATIVE	PERFLUOROTANIC ACID (PFOA)	400.0	0.19
	PERFLUOROOCTANESULFONIC ACID (PFOS)	150,000.0	ND

VALUES IN RED EXCEED GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE PROVIDED IN SAMPLING ANALYSIS AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNDER NYSDEC'S PART 375 REMEDIAL PROGRAMS APRIL 2023 AND 6 NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCSO) FOR 1,4-DIOXANE.

SOIL BORING NUMBER 3			
SOIL BORING NUMBER 3	CONTAMINANTS	GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE US/KG	SAMPLE RESULTS US/KG
SR-3 UPPER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	500.0	0.83
	PERFLUOROOCTANESULFONIC ACID (PFOS)	400.0	0.83
SR-3 LOWER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	150,000.0	ND
	PERFLUOROOCTANESULFONIC ACID (PFOS)	500.0	0.71
SR-3 NATIVE	PERFLUOROTANIC ACID (PFOA)	400.0	0.14
	PERFLUOROOCTANESULFONIC ACID (PFOS)	150,000.0	ND

VALUES IN RED EXCEED GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE PROVIDED IN SAMPLING ANALYSIS AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNDER NYSDEC'S PART 375 REMEDIAL PROGRAMS APRIL 2023 AND 6 NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCSO) FOR 1,4-DIOXANE.

SOIL BORING NUMBER 5			
SOIL BORING NUMBER 5	CONTAMINANTS	GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE US/KG	SAMPLE RESULTS US/KG
SR-5 UPPER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	500.0	0.073
	PERFLUOROOCTANESULFONIC ACID (PFOS)	400.0	ND
SR-5 LOWER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	150,000.0	4.0
	PERFLUOROOCTANESULFONIC ACID (PFOS)	500.0	0.46
SR-5 NATIVE	PERFLUOROTANIC ACID (PFOA)	400.0	0.26
	PERFLUOROOCTANESULFONIC ACID (PFOS)	150,000.0	ND

VALUES IN RED EXCEED GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE PROVIDED IN SAMPLING ANALYSIS AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNDER NYSDEC'S PART 375 REMEDIAL PROGRAMS APRIL 2023 AND 6 NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCSO) FOR 1,4-DIOXANE.

SOIL BORING NUMBER 6			
SOIL BORING NUMBER 6	CONTAMINANTS	GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE US/KG	SAMPLE RESULTS US/KG
SR-6 UPPER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	500.0	0.97
	PERFLUOROOCTANESULFONIC ACID (PFOS)	400.0	ND
SR-6 LOWER WASTE PACK	PERFLUOROTANIC ACID (PFOA)	150,000.0	0.337
	PERFLUOROOCTANESULFONIC ACID (PFOS)	500.0	0.61
SR-6 NATIVE	PERFLUOROTANIC ACID (PFOA)	400.0	0.61
	PERFLUOROOCTANESULFONIC ACID (PFOS)	150,000.0	ND

VALUES IN RED EXCEED GUIDANCE VALUES FOR ANTICIPATED SITE USE COMMERCIAL USE PROVIDED IN SAMPLING ANALYSIS AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) UNDER NYSDEC'S PART 375 REMEDIAL PROGRAMS APRIL 2023 AND 6 NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCSO) FOR 1,4-DIOXANE.



DESIGNED BY: EUGENE G. KEMPEY	BY	REVISIONS
DRAWN BY: EUGENE G. KEMPEY	DESCRIPTION	
CHECKED BY: EUGENE G. KEMPEY	DATE	
APPROVED BY: EUGENE G. KEMPEY P.E.	NUMBER	

1	11/10/23	REVISED IN RESPONSE TO NYSDEC 10/30/2023 COMMENTS	S.T.K.
0	10/13/23	DELINEATION OF SOIL BORING SAMPLING RESULTS	S.T.K.

IT IS A VIOLATION OF SECTION 2206.2 OF THE NEW YORK STATE ENGINEERING LAW TO SEAL OR SIGN THIS DRAWING UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER ANY ITEM IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX HIS SEAL AND A NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



- LEGEND**
- DRAINAGE MANHOLE
 - WOOD UTILITY POLE
 - ▣ CATCHBASIN
 - ⊙ MONUMENT
 - REBAR
 - LATH
 - EXISTING MONITORING WELL (MW)
 - VERTICAL GROUNDWATER PROFILE
 - SOIL BORING (SB)
 - EXPLOSIVE GAS MONITORING WELL (EGMW)
 - APEX TEST PIT (ATP)
 - KEMPEY ENGINEERING TEST PIT

IT IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION AND SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER, TO SEAL OR SIGN ANY INSTRUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX HIS SEAL AND A NOTATION "ALTERED BY", FOLLOWED BY HIS SIGNATURE AND A SPECIFIC DESCRIPTION OF THE ALTERATION

NUMBER	DATE	DESCRIPTION	BY	NUMBER	DATE	DESCRIPTION	BY
1	12/15/23	REVISED IN RESPONSE TO NYSDEC 12/05/2023 COMMENTS	S.T.K.				
0	11/10/23	PROPOSED KEMPEY ENGINEERING TEST PITS LOCATIONS	S.T.K.				

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
EUGENE G. KEMPEY	EUGENE G. KEMPEY	EUGENE G. KEMPEY	EUGENE G. KEMPEY P. E.



COX BROS. LLC
188 TOWN LINE ROAD
KINGS PARK, NEW YORK 11754

KEMPEY ENGINEERING
1869 EAST BEECHER HILL ROAD
OWEGO, NEW YORK 13827
(607) 223-4653