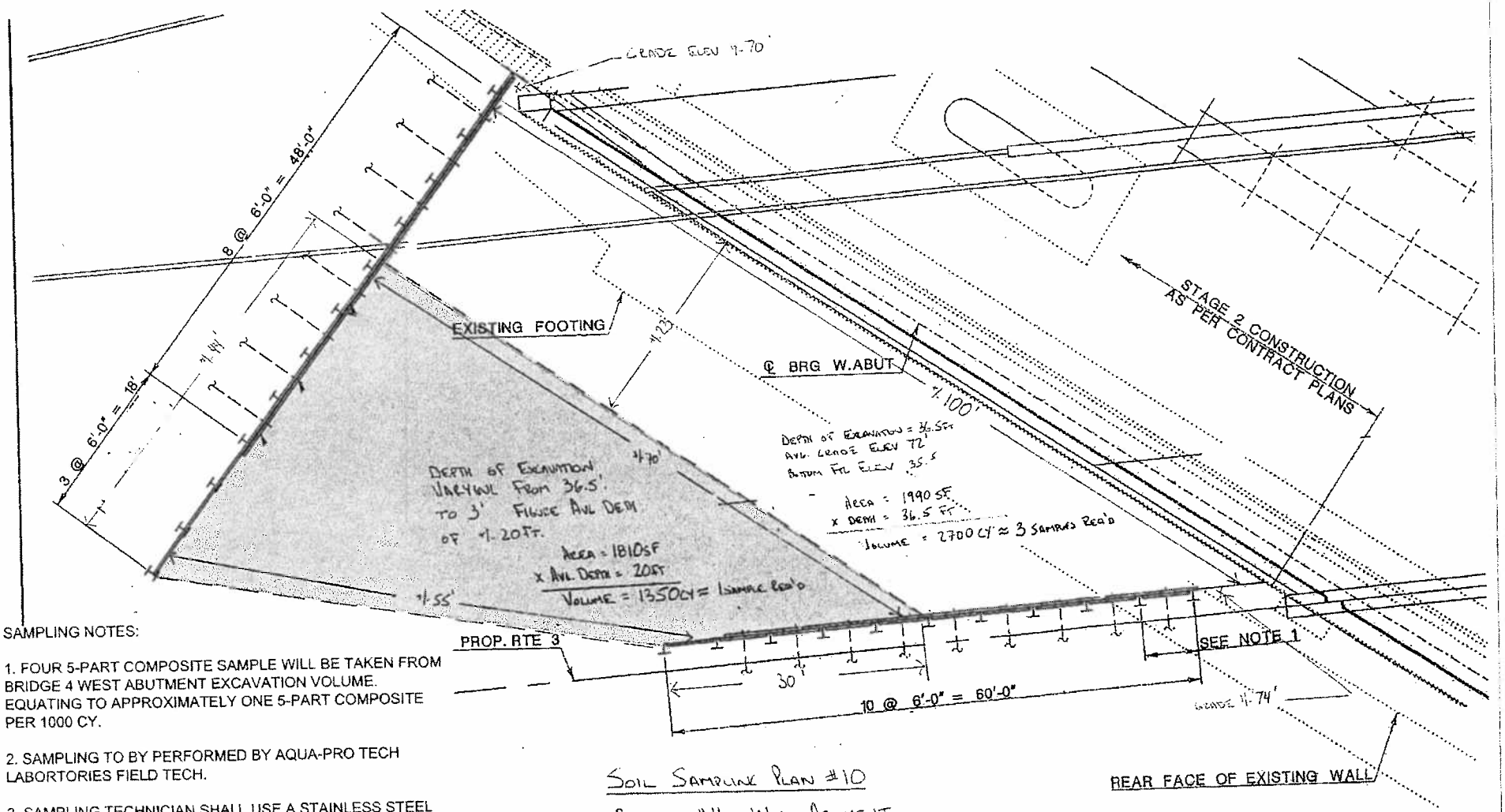


SAMPLING NOTES:

1. FOUR 5-PART COMPOSITE SAMPLE WILL BE TAKEN FROM BRIDGE 4 WEST ABUTMENT EXCAVATION VOLUME. EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 1000 CY.

2. SAMPLING TO BY PERFORMED BY AQUA-PRO TECH LABORTORIES FIELD TECH.

3. SAMPLING TECHNICIAN SHALL USE A STAINLESS STEEL SAMPLING SPATULA THAT WILL BE DECONTAMINATED BEFORE SAMPLING AND INBETWEEN SAMPLING AT EACH COMPOSITE AREA OR USE DURABLE TEFLON SPATULAS.

4. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #3.

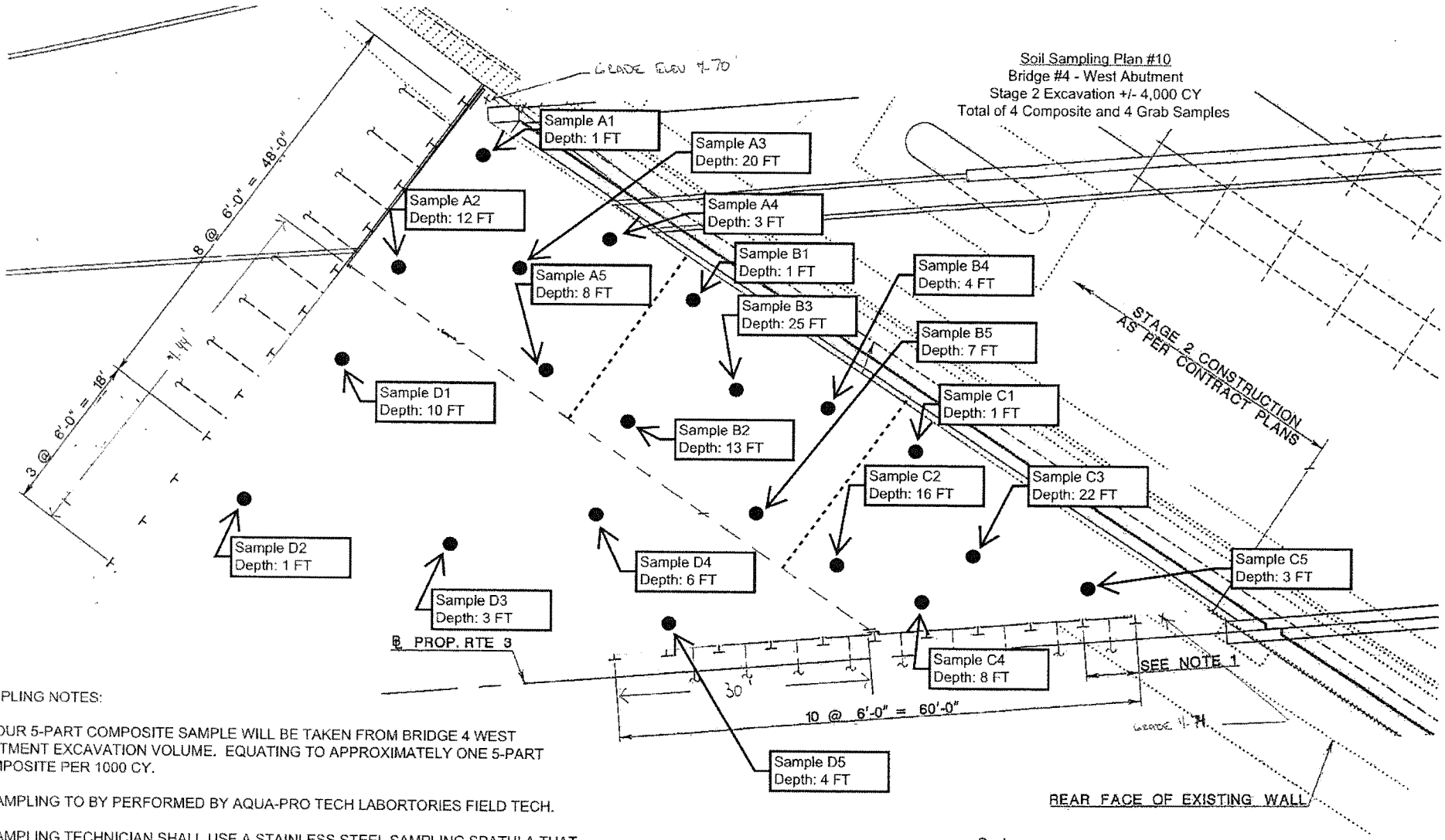
Soil Sampling Plan #10

Bridge #4 - West Abutment

Stage 2 Excavation +/- 4,000 CY

Total of 4 Composite + 4 Grab Samples

SCALE 1"=10'



SAMPLING NOTES:

1. FOUR 5-PART COMPOSITE SAMPLE WILL BE TAKEN FROM BRIDGE 4 WEST ABUTMENT EXCAVATION VOLUME. EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 1000 CY.

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4. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #3.

Scale
1"=10'

RRS Home | Logout | Detailed Report | Creamer-Sanzari Friday, August 10, 2012

Order Information

Creamer-Sanzari

APL Order ID :	12080180
Site Name :	Rt. 3 Clifton 7003217
Date to Lab :	8/6/2012 2:48:00 PM

Printing Options

Page Breaks On

Turning **Page Breaks** on prints each sample on a new page. Turning **Page Breaks** off prints the report on the minimum number of pages.

Samples List

Field ID	Lab ID	Matrix
Rt. 3, bridge 4 - A1-5	12080180-001	Soil
Rt. 3, bridge 4 - B1-5	12080180-002	Soil
Rt. 3, bridge 4 - C1-5	12080180-003	Soil
Rt. 3, bridge 4 - D1-5	12080180-004	Soil
Rt. 3. Bridge 4 - A1	12080180-005	Soil
Rt. 3. Bridge 4 - B1	12080180-006	Soil
Rt. 3. Bridge 4 - C1	12080180-007	Soil
Rt. 3. Bridge 4 - D2	12080180-008	Soil

Rt. 3, bridge 4 - A1-5 **12080180-001** 8/6/2012, 11:24:00 AM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL ‡	Result	Units	Limit
Total EPH	NJDEP-EPH	8/9/2012	-	<22	mg/Kg	-
Percent Solids	Gravimetric	8/7/2012	-	94.5	%	-
C10-C12 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C36 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C40 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C9-C12 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
Pesticides	SW 846 8081A	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
alpha-BHC	U	A	0.281	1	ND	µg/kg	100
beta-BHC	U	A	0.274	1	ND	µg/kg	400
gamma-BHC (Lindane)	U	A	0.217	1	ND	µg/kg	400
delta-BHC	U	A	0.211	1	ND	µg/kg	-
Aldrin	U	A	0.234	1	ND	µg/kg	40
Heptachlor	U	A	0.323	1	ND	µg/kg	100
Heptachlor Epoxide	U	A	0.353	1	ND	µg/kg	70
Endosulfan I	U	A	0.392	1	ND	µg/kg	-
Endosulfan II	U	A	0.263	1	ND	µg/kg	-
4,4'-DDE	U	A	0.248	1	ND	µg/kg	2000
4,4'-DDD	U	A	0.157	1	ND	µg/kg	3000
4,4'-DDT	U	A	0.27	1	ND	µg/kg	2000
Dieldrin	U	A	0.283	1	ND	µg/kg	40
Endrin	U	A	0.273	1	ND	µg/kg	23000
Endrin Aldehyde	U	A	0.584	1	ND	µg/kg	-
Endrin Ketone	U	A	0.253	1	ND	µg/kg	-

Endosulfan Sulfate	U	A	0.249	1	ND	µg/kg	470000
Methoxychlor	U	A	0.317	1	ND	µg/kg	390000
Chlordane	U	A	0.541	1	ND	µg/kg	200
Toxaphene	U	A	3.83	1	ND	µg/kg	600

Semivolatile Organics	SW 846 8270C	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Pyridine	U	A	202	1	ND	ug/kg	-
n-Nitroso-dimethylamine	U	A	317	1	ND	ug/kg	-
Benzaldehyde	U	A	105	1	ND	ug/kg	-
Aniline	U	A	15.5	1	ND	ug/kg	-
Phenol	U	A	15.5	1	ND	ug/kg	-
bis(2-Chloroethyl)ether	U	A	21.9	1	ND	ug/kg	-
2-Chlorophenol	U	A	14.8	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	21.2	1	ND	ug/kg	-
1,4-Dichlorobenzene	U	A	26.8	1	ND	ug/kg	-
Benzyl Alcohol	U	A	489	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	16.2	1	ND	ug/kg	-
2-Methylphenol	U	A	16.2	1	ND	ug/kg	-
bis(2-Chloroisopropyl)ether	U	A	17.6	1	ND	ug/kg	-
Acetophenone	U	A	93.1	1	ND	ug/kg	-
3+4-Methylphenol	U	A	26.8	1	ND	ug/kg	-
n-Nitroso-di-n-propylamine	U	A	31.0	1	ND	ug/kg	-
Hexachloroethane	U	A	19.8	1	ND	ug/kg	-
Nitrobenzene	U	A	14.1	1	ND	ug/kg	-
Isophorone	U	A	14.8	1	ND	ug/kg	-
2-Nitrophenol	U	A	150	1	ND	ug/kg	-
2,4-Dimethylphenol	U	A	19.8	1	ND	ug/kg	-
bis(2-Chloroethoxy)methane	U	A	24.0	1	ND	ug/kg	-
2,4-Dichlorophenol	U	A	43.7	1	ND	ug/kg	-
Benzoic Acid	U	A	447	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	24.7	1	ND	ug/kg	-
Naphthalene	U	A	15.5	1	ND	ug/kg	-
2,6-Dichlorophenol	U	A	18.3	1	ND	ug/kg	-
4-Chloroaniline	U	A	21.2	1	ND	ug/kg	-
Hexachlorobutadiene	U	A	20.5	1	ND	ug/kg	-
Caprolactam	U	A	64.2	1	ND	ug/kg	-
4-Chloro-3-methylphenol	U	A	24.7	1	ND	ug/kg	-
2-Methylnaphthalene	U	A	18.3	1	ND	ug/kg	-
Hexachlorocyclopentadiene	U	A	289	1	ND	ug/kg	-
1,2,4,5-Tetrachlorobenzene	U	A	18.3	1	ND	ug/kg	-
2,4,6-Trichlorophenol	U	A	18.3	1	ND	ug/kg	-
2,4,5-Trichlorophenol	U	A	36.0	1	ND	ug/kg	-
Biphenyl	U	A	69.1	1	ND	ug/kg	-
2-Chloronaphthalene	U	A	14.1	1	ND	ug/kg	-
2-Nitroaniline	U	A	7.76	1	ND	ug/kg	-
Dimethylphthalate		A	20.5	1	211	ug/kg	-
Acenaphthylene	U	A	11.3	1	ND	ug/kg	-
2,6-Dinitrotoluene	U	A	29.6	1	ND	ug/kg	-
3-Nitroaniline	U	A	344	1	ND	ug/kg	-
Acenaphthene	U	A	14.1	1	ND	ug/kg	-
2,4-Dinitrophenol	U	A	27.5	1	ND	ug/kg	-
Dibenzofuran	U	A	15.5	1	ND	ug/kg	-

4-Nitrophenol	U	A	92.4	1	ND	ug/kg	-
2,4-Dinitrotoluene	U	A	27.5	1	ND	ug/kg	-
2,3,4,6-Tetrachlorophenol	U	A	459	1	ND	ug/kg	-
Fluorene	U	A	10.6	1	ND	ug/kg	-
Diethylphthalate	J	A	762	1	39.2	ug/kg	49000000
4-Chlorophenyl phenyl ether	U	A	19.0	1	ND	ug/kg	-
4-Nitroaniline	U	A	193	1	ND	ug/kg	-
4,6-Dinitro-2-methylphenol	U	A	200	1	ND	ug/kg	-
n-Nitrosodiphenylamine	U	A	15.5	1	ND	ug/kg	-
1,2-Diphenylhydrazine	U	A	12.0	1	ND	ug/kg	-
4-Bromophenyl-phenyl ether	U	A	22.6	1	ND	ug/kg	-
Hexachlorobenzene	U	A	31.7	1	ND	ug/kg	-
Atrazine	U	A	57.8	1	ND	ug/kg	-
Pentachlorophenol	U	A	150	1	ND	ug/kg	-
Phenanthrene	U	A	5.64	1	ND	ug/kg	-
Anthracene	U	A	9.88	1	ND	ug/kg	-
Carbazole	U	A	21.9	1	ND	ug/kg	-
Di-n-butylphthalate	U	A	33.9	1	ND	ug/kg	-
Fluoranthene	U	A	17.6	1	ND	ug/kg	-
Benzidine	U	A	331	1	ND	ug/kg	-
Pyrene	U	A	9.88	1	ND	ug/kg	-
Butylbenzylphthalate		A	13.4	1	69.4	ug/kg	1200000
Benzo(a)anthracene	U	A	12.0	1	ND	ug/kg	-
3,3'-Dichlorobenzidine	U	A	185	1	ND	ug/kg	-
Chrysene	U	A	14.1	1	ND	ug/kg	-
bis(2-Ethylhexyl)phthalate	J	A	241	1	59.8	ug/kg	35000
Di-n-octylphthalate	U	A	21.9	1	ND	ug/kg	-
Benzo(b)fluoranthene	U	A	24.0	1	ND	ug/kg	-
Benzo(k)fluoranthene	U	A	19.0	1	ND	ug/kg	-
Benzo(a)pyrene	U	A	13.4	1	ND	ug/kg	-
Indeno(1,2,3-cd)pyrene	U	A	9.17	1	ND	ug/kg	-
Dibenzo(a,h)anthracene	U	A	11.3	1	ND	ug/kg	-
Benzo(g,h,i)perylene	U	A	18.3	1	ND	ug/kg	-
No TICs Detected		T			0	ug	-

No TICs Detected/Reported for this test.

PCBs	SW 846 8082	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Aroclor 1016	U	A	2.5	1	ND	µg/kg	200
Aroclor 1221	U	A	3.15	1	ND	µg/kg	200
Aroclor 1232	U	A	3.71	1	ND	µg/kg	200
Aroclor 1242	U	A	1.71	1	ND	µg/kg	200
Aroclor 1248	U	A	1.18	1	ND	µg/kg	200
Aroclor 1254	U	A	2.63	1	ND	µg/kg	200
Aroclor 1260	U	A	2.53	1	ND	µg/kg	200
Aroclor 1262	U	A	2.58	1	ND	µg/kg	200
Aroclor 1268	U	A	1.91	1	ND	µg/kg	200
Cyanide	SW 846 9010B	8/8/2012	-		<0.26	mg/Kg	**1600**
Mercury	SW 846 7471A	8/9/2012	-		<0.016	mg/kg	**23**
Beryllium	SW 846 6010B	8/9/2012	-		0.0411	mg/kg	**16**
Cadmium	SW 846 6010B	8/9/2012	-		<0.06	mg/kg	**78**
Nickel	SW 846 6010B	8/9/2012	-		7.88	mg/kg	**1600**
Arsenic	SW 846 6010B	8/9/2012	-		0.649	mg/kg	**19**

Cobalt	SW 846 6010B	8/9/2012	-	4.18	mg/kg	**1600**
Lead	SW 846 6010B	8/9/2012	-	4.91	mg/kg	**400**
Manganese	SW 846 6010B	8/9/2012	-	276	mg/kg	**11000**
Chromium	SW 846 6010B	8/9/2012	-	8.51	mg/Kg	-
Copper	SW 846 6010B	8/9/2012	-	5.33	mg/kg	**3100**
Silver	SW 846 6010B	8/9/2012	-	<0.59	mg/Kg	**390**
Thallium	SW 846 6010B	8/9/2012	-	<0.59	mg/kg	**5**
Antimony	SW 846 6010B	8/9/2012	-	<0.59	mg/kg	**31**
Barium	SW 846 6010B	8/9/2012	-	28.1	mg/kg	**16000**
Vanadium	SW 846 6010B	8/9/2012	-	12.6	mg/kg	**78**
Selenium	SW 846 6010B	8/9/2012	-	<0.74	mg/kg	**390**
Zinc	SW 846 6010B	8/9/2012	-	16.7	mg/kg	**23000**
Iron	SW 846 6010B	8/9/2012	-	11100	mg/kg	-
Aluminum	SW 846 6010B	8/9/2012	-	3880	mg/kg	**78000**
Calcium	SW 846 6010B	8/9/2012	-	1060	mg/kg	-
Magnesium	SW 846 6010B	8/9/2012	-	1430	mg/kg	-
Sodium	SW 846 6010B	8/9/2012	-	271	mg/kg	-
Potassium	SW 846 6010B	8/9/2012	-	646	mg/kg	-

Rt. 3, bridge 4 - B1-5 **12080180-002** 8/6/2012, 10:47:00 AM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL #	Result	Units	Limit
Total EPH	NJDEP-EPH	8/9/2012	-	<22	mg/Kg	-
Percent Solids	Gravimetric	8/7/2012	-	94.4	%	-
C10-C12 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C36 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C40 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C9-C12 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
Pesticides	SW 846 8081A	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
alpha-BHC	U	A	0.281	1	ND	µg/kg	100
beta-BHC	U	A	0.274	1	ND	µg/kg	400
gamma-BHC (Lindane)	U	A	0.218	1	ND	µg/kg	400
delta-BHC	U	A	0.211	1	ND	µg/kg	-
Aldrin	U	A	0.234	1	ND	µg/kg	40
Heptachlor	U	A	0.323	1	ND	µg/kg	100
Heptachlor Epoxide	U	A	0.354	1	ND	µg/kg	70
Endosulfan I	U	A	0.392	1	ND	µg/kg	-
Endosulfan II	U	A	0.264	1	ND	µg/kg	-
4,4'-DDE	U	A	0.248	1	ND	µg/kg	2000
4,4'-DDD	U	A	0.157	1	ND	µg/kg	3000
4,4'-DDT	U	A	0.27	1	ND	µg/kg	2000
Dieldrin	U	A	0.284	1	ND	µg/kg	40
Endrin	U	A	0.273	1	ND	µg/kg	23000
Endrin Aldehyde	U	A	0.584	1	ND	µg/kg	-
Endrin Ketone	U	A	0.253	1	ND	µg/kg	-

Endosulfan Sulfate	U	A	0.25	1	ND	µg/kg	470000
Methoxychlor	U	A	0.318	1	ND	µg/kg	390000
Chlordane	U	A	0.542	1	ND	µg/kg	200
Toxaphene	U	A	3.83	1	ND	µg/kg	600

Semivolatile Organics	SW 846 8270C	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Pyridine	U	A	203	1	ND	ug/kg	-
n-Nitroso-dimethylamine	U	A	318	1	ND	ug/kg	-
Benzaldehyde	U	A	105	1	ND	ug/kg	-
Aniline	U	A	15.5	1	ND	ug/kg	-
Phenol	U	A	15.5	1	ND	ug/kg	-
bis(2-Chloroethyl)ether	U	A	21.9	1	ND	ug/kg	-
2-Chlorophenol	U	A	14.8	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	21.2	1	ND	ug/kg	-
1,4-Dichlorobenzene	U	A	26.8	1	ND	ug/kg	-
Benzyl Alcohol	U	A	489	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	16.2	1	ND	ug/kg	-
2-Methylphenol	U	A	16.2	1	ND	ug/kg	-
bis(2-Chloroisopropyl)ether	U	A	17.7	1	ND	ug/kg	-
Acetophenone	U	A	93.2	1	ND	ug/kg	-
3+4-Methylphenol	U	A	26.8	1	ND	ug/kg	-
n-Nitroso-di-n-propylamine	U	A	31.1	1	ND	ug/kg	-
Hexachloroethane	U	A	19.8	1	ND	ug/kg	-
Nitrobenzene	U	A	14.1	1	ND	ug/kg	-
Isophorone	U	A	14.8	1	ND	ug/kg	-
2-Nitrophenol	U	A	150	1	ND	ug/kg	-
2,4-Dimethylphenol	U	A	19.8	1	ND	ug/kg	-
bis(2-Chloroethoxy)methane	U	A	24.0	1	ND	ug/kg	-
2,4-Dichlorophenol	U	A	43.8	1	ND	ug/kg	-
Benzoic Acid	U	A	448	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	24.7	1	ND	ug/kg	-
Naphthalene	U	A	15.5	1	ND	ug/kg	-
2,6-Dichlorophenol	U	A	18.4	1	ND	ug/kg	-
4-Chloroaniline	U	A	21.2	1	ND	ug/kg	-
Hexachlorobutadiene	U	A	20.5	1	ND	ug/kg	-
Caprolactam	U	A	64.3	1	ND	ug/kg	-
4-Chloro-3-methylphenol	U	A	24.7	1	ND	ug/kg	-
2-Methylnaphthalene	U	A	18.4	1	ND	ug/kg	-
Hexachlorocyclopentadiene	U	A	290	1	ND	ug/kg	-
1,2,4,5-Tetrachlorobenzene	U	A	18.4	1	ND	ug/kg	-
2,4,6-Trichlorophenol	U	A	18.4	1	ND	ug/kg	-
2,4,5-Trichlorophenol	U	A	36.0	1	ND	ug/kg	-
Biphenyl	U	A	69.2	1	ND	ug/kg	-
2-Chloronaphthalene	U	A	14.1	1	ND	ug/kg	-
2-Nitroaniline	U	A	7.77	1	ND	ug/kg	-
Dimethylphthalate		A	20.5	1	223	ug/kg	-
Acenaphthylene	U	A	11.3	1	ND	ug/kg	-
2,6-Dinitrotoluene	U	A	29.7	1	ND	ug/kg	-
3-Nitroaniline	U	A	345	1	ND	ug/kg	-
Acenaphthene	U	A	14.1	1	ND	ug/kg	-
2,4-Dinitrophenol	U	A	27.5	1	ND	ug/kg	-
Dibenzofuran	U	A	15.5	1	ND	ug/kg	-

4-Nitrophenol	U	A	92.5	1	ND	ug/kg	-
2,4-Dinitrotoluene	U	A	27.5	1	ND	ug/kg	-
2,3,4,6-Tetrachlorophenol	U	A	460	1	ND	ug/kg	-
Fluorene	U	A	10.6	1	ND	ug/kg	-
Diethylphthalate	U	A	763	1	ND	ug/kg	-
4-Chlorophenyl phenyl ether	U	A	19.1	1	ND	ug/kg	-
4-Nitroaniline	U	A	194	1	ND	ug/kg	-
4,6-Dinitro-2-methylphenol	U	A	200	1	ND	ug/kg	-
n-Nitrosodiphenylamine	U	A	15.5	1	ND	ug/kg	-
1,2-Diphenylhydrazine	U	A	12.0	1	ND	ug/kg	-
4-Bromophenyl-phenyl ether	U	A	22.6	1	ND	ug/kg	-
Hexachlorobenzene	U	A	31.8	1	ND	ug/kg	-
Atrazine	U	A	57.9	1	ND	ug/kg	-
Pentachlorophenol	U	A	150	1	ND	ug/kg	-
Phenanthrene	U	A	5.65	1	ND	ug/kg	-
Anthracene	U	A	9.89	1	ND	ug/kg	-
Carbazole	U	A	21.9	1	ND	ug/kg	-
Di-n-butylphthalate	U	A	33.9	1	ND	ug/kg	-
Fluoranthene	U	A	17.7	1	ND	ug/kg	-
Benzidine	U	A	331	1	ND	ug/kg	-
Pyrene	U	A	9.89	1	ND	ug/kg	-
Butylbenzylphthalate	U	A	13.4	1	ND	ug/kg	-
Benzo(a)anthracene	U	A	12.0	1	ND	ug/kg	-
3,3'-Dichlorobenzidine	U	A	185	1	ND	ug/kg	-
Chrysene	U	A	14.1	1	ND	ug/kg	-
bis(2-Ethylhexyl)phthalate	U	A	242	1	ND	ug/kg	-
Di-n-octylphthalate	U	A	21.9	1	ND	ug/kg	-
Benzo(b)fluoranthene	U	A	24.0	1	ND	ug/kg	-
Benzo(k)fluoranthene	U	A	19.1	1	ND	ug/kg	-
Benzo(a)pyrene	U	A	13.4	1	ND	ug/kg	-
Indeno(1,2,3-cd)pyrene	U	A	9.18	1	ND	ug/kg	-
Dibenzo(a,h)anthracene	U	A	11.3	1	ND	ug/kg	-
Benzo(g,h,i)perylene	U	A	18.4	1	ND	ug/kg	-
Phosphonic acid, dioctadecyl ester	JN	T			740	ug/kg	-
TIC (Total)	-	T (Sum)	-	-	**740**	ug/kg	-

PCBs	SW 846 8082	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Aroclor 1016	U	A	2.5	1	ND	µg/kg	200
Aroclor 1221	U	A	3.15	1	ND	µg/kg	200
Aroclor 1232	U	A	3.71	1	ND	µg/kg	200
Aroclor 1242	U	A	1.71	1	ND	µg/kg	200
Aroclor 1248	U	A	1.18	1	ND	µg/kg	200
Aroclor 1254	U	A	2.64	1	ND	µg/kg	200
Aroclor 1260	U	A	2.53	1	ND	µg/kg	200
Aroclor 1262	U	A	2.58	1	ND	µg/kg	200
Aroclor 1268	U	A	1.91	1	ND	µg/kg	200

Cyanide	SW 846 9010B	8/8/2012	-	<0.26	mg/Kg	**1600**
Mercury	SW 846 7471A	8/9/2012	-	<0.016	mg/kg	**23**
Beryllium	SW 846 6010B	8/9/2012	-	<0.03	mg/kg	**16**
Cadmium	SW 846 6010B	8/9/2012	-	<0.06	mg/kg	**78**
Nickel	SW 846 6010B	8/9/2012	-	7.48	mg/kg	**1600**
Arsenic	SW 846 6010B	8/9/2012	-	0.672	mg/kg	**19**

Cobalt	SW 846 6010B	8/9/2012	-	4.08	mg/kg	**1600**
Lead	SW 846 6010B	8/9/2012	-	4.28	mg/kg	**400**
Manganese	SW 846 6010B	8/9/2012	-	331	mg/kg	**11000**
Chromium	SW 846 6010B	8/9/2012	-	7.28	mg/Kg	-
Copper	SW 846 6010B	8/9/2012	-	4.48	mg/kg	**3100**
Silver	SW 846 6010B	8/9/2012	-	<0.58	mg/Kg	**390**
Thallium	SW 846 6010B	8/9/2012	-	<0.58	mg/kg	**5**
Antimony	SW 846 6010B	8/9/2012	-	<0.58	mg/kg	**31**
Barium	SW 846 6010B	8/9/2012	-	29.4	mg/kg	**16000**
Vanadium	SW 846 6010B	8/9/2012	-	12.2	mg/kg	**78**
Selenium	SW 846 6010B	8/9/2012	-	<0.73	mg/kg	**390**
Zinc	SW 846 6010B	8/9/2012	-	14.8	mg/kg	**23000**
Iron	SW 846 6010B	8/9/2012	-	10400	mg/kg	-
Aluminum	SW 846 6010B	8/9/2012	-	3550	mg/kg	**78000**
Calcium	SW 846 6010B	8/9/2012	-	1530	mg/kg	-
Magnesium	SW 846 6010B	8/9/2012	-	1350	mg/kg	-
Sodium	SW 846 6010B	8/9/2012	-	193	mg/kg	-
Potassium	SW 846 6010B	8/9/2012	-	491	mg/kg	-

Rt. 3, bridge 4 - C1-5 **12080180-003** 8/6/2012, 9:57:00 AM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL *	Result	Units	Limit
Total EPH	NJDEP-EPH	8/9/2012	-	<22	mg/Kg	-
Percent Solids	Gravimetric	8/7/2012	-	93	%	-
C10-C12 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C36 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C40 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C9-C12 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
Pesticides	SW 846 8081A	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
alpha-BHC	U	A	0.285	1	ND	µg/kg	100
beta-BHC	U	A	0.278	1	ND	µg/kg	400
gamma-BHC (Lindane)	U	A	0.221	1	ND	µg/kg	400
delta-BHC	U	A	0.214	1	ND	µg/kg	-
Aldrin	U	A	0.238	1	ND	µg/kg	40
Heptachlor	U	A	0.328	1	ND	µg/kg	100
Heptachlor Epoxide	U	A	0.359	1	ND	µg/kg	70
Endosulfan I	U	A	0.398	1	ND	µg/kg	-
Endosulfan II	U	A	0.268	1	ND	µg/kg	-
4,4'-DDE	U	A	0.252	1	ND	µg/kg	2000
4,4'-DDD	U	A	0.16	1	ND	µg/kg	3000
4,4'-DDT	U	A	0.274	1	ND	µg/kg	2000
Dieldrin	U	A	0.288	1	ND	µg/kg	40
Endrin	U	A	0.277	1	ND	µg/kg	23000
Endrin Aldehyde	U	A	0.593	1	ND	µg/kg	-
Endrin Ketone	U	A	0.257	1	ND	µg/kg	-

Endosulfan Sulfate	U	A	0.253	1	ND	µg/kg	470000
Methoxychlor	U	A	0.322	1	ND	µg/kg	390000
Chlordane	U	A	0.55	1	ND	µg/kg	200
Toxaphene	U	A	3.89	1	ND	µg/kg	600

Semivolatile Organics	SW 846 8270C	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Pyridine	U	A	206	1	ND	ug/kg	-
n-Nitroso-dimethylamine	U	A	323	1	ND	ug/kg	-
Benzaldehyde	U	A	107	1	ND	ug/kg	-
Aniline	U	A	15.8	1	ND	ug/kg	-
Phenol	U	A	15.8	1	ND	ug/kg	-
bis(2-Chloroethyl)ether	U	A	22.2	1	ND	ug/kg	-
2-Chlorophenol	U	A	15.1	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	21.5	1	ND	ug/kg	-
1,4-Dichlorobenzene	U	A	27.2	1	ND	ug/kg	-
Benzyl Alcohol	U	A	497	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	16.5	1	ND	ug/kg	-
2-Methylphenol	U	A	16.5	1	ND	ug/kg	-
bis(2-Chloroisopropyl)ether	U	A	17.9	1	ND	ug/kg	-
Acetophenone	U	A	94.6	1	ND	ug/kg	-
3+4-Methylphenol	U	A	27.2	1	ND	ug/kg	-
n-Nitroso-di-n-propylamine	U	A	31.5	1	ND	ug/kg	-
Hexachloroethane	U	A	20.1	1	ND	ug/kg	-
Nitrobenzene	U	A	14.3	1	ND	ug/kg	-
Isophorone	U	A	15.1	1	ND	ug/kg	-
2-Nitrophenol	U	A	153	1	ND	ug/kg	-
2,4-Dimethylphenol	U	A	20.1	1	ND	ug/kg	-
bis(2-Chloroethoxy)methane	U	A	24.4	1	ND	ug/kg	-
2,4-Dichlorophenol	U	A	44.4	1	ND	ug/kg	-
Benzoic Acid	U	A	454	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	25.1	1	ND	ug/kg	-
Naphthalene	U	A	15.8	1	ND	ug/kg	-
2,6-Dichlorophenol	U	A	18.6	1	ND	ug/kg	-
4-Chloroaniline	U	A	21.5	1	ND	ug/kg	-
Hexachlorobutadiene	U	A	20.8	1	ND	ug/kg	-
Caprolactam	U	A	65.2	1	ND	ug/kg	-
4-Chloro-3-methylphenol	U	A	25.1	1	ND	ug/kg	-
2-Methylnaphthalene	U	A	18.6	1	ND	ug/kg	-
Hexachlorocyclopentadiene	U	A	294	1	ND	ug/kg	-
1,2,4,5-Tetrachlorobenzene	U	A	18.6	1	ND	ug/kg	-
2,4,6-Trichlorophenol	U	A	18.6	1	ND	ug/kg	-
2,4,5-Trichlorophenol	U	A	36.6	1	ND	ug/kg	-
Biphenyl	U	A	70.3	1	ND	ug/kg	-
2-Chloronaphthalene	U	A	14.3	1	ND	ug/kg	-
2-Nitroaniline	U	A	7.89	1	ND	ug/kg	-
Dimethylphthalate		A	20.8	1	223	ug/kg	-
Acenaphthylene	U	A	11.5	1	ND	ug/kg	-
2,6-Dinitrotoluene	U	A	30.1	1	ND	ug/kg	-
3-Nitroaniline	U	A	350	1	ND	ug/kg	-
Acenaphthene	U	A	14.3	1	ND	ug/kg	-
2,4-Dinitrophenol	U	A	28.0	1	ND	ug/kg	-
Dibenzofuran	U	A	15.8	1	ND	ug/kg	-

4-Nitrophenol	U	A	93.9	1	ND	ug/kg	-
2,4-Dinitrotoluene	U	A	28.0	1	ND	ug/kg	-
2,3,4,6-Tetrachlorophenol	U	A	467	1	ND	ug/kg	-
Fluorene	U	A	10.8	1	ND	ug/kg	-
Diethylphthalate	U	A	774	1	ND	ug/kg	-
4-Chlorophenyl phenyl ether	U	A	19.4	1	ND	ug/kg	-
4-Nitroaniline	U	A	196	1	ND	ug/kg	-
4,6-Dinitro-2-methylphenol	U	A	203	1	ND	ug/kg	-
n-Nitrosodiphenylamine	U	A	15.8	1	ND	ug/kg	-
1,2-Diphenylhydrazine	U	A	12.2	1	ND	ug/kg	-
4-Bromophenyl-phenyl ether	U	A	22.9	1	ND	ug/kg	-
Hexachlorobenzene	U	A	32.3	1	ND	ug/kg	-
Atrazine	U	A	58.8	1	ND	ug/kg	-
Pentachlorophenol	U	A	152	1	ND	ug/kg	-
Phenanthrene	U	A	5.73	1	ND	ug/kg	-
Anthracene	U	A	10.0	1	ND	ug/kg	-
Carbazole	U	A	22.2	1	ND	ug/kg	-
Di-n-butylphthalate	U	A	34.4	1	ND	ug/kg	-
Fluoranthene	U	A	17.9	1	ND	ug/kg	-
Benzidine	U	A	336	1	ND	ug/kg	-
Pyrene	U	A	10.0	1	ND	ug/kg	-
Butylbenzylphthalate	U	A	13.6	1	ND	ug/kg	-
Benzo(a)anthracene	U	A	12.2	1	ND	ug/kg	-
3,3'-Dichlorobenzidine	U	A	188	1	ND	ug/kg	-
Chrysene	U	A	14.3	1	ND	ug/kg	-
bis(2-Ethylhexyl)phthalate	U	A	245	1	ND	ug/kg	-
Di-n-octylphthalate	U	A	22.2	1	ND	ug/kg	-
Benzo(b)fluoranthene	U	A	24.4	1	ND	ug/kg	-
Benzo(k)fluoranthene	U	A	19.4	1	ND	ug/kg	-
Benzo(a)pyrene	U	A	13.6	1	ND	ug/kg	-
Indeno(1,2,3-cd)pyrene	U	A	9.32	1	ND	ug/kg	-
Dibenzo(a,h)anthracene	U	A	11.5	1	ND	ug/kg	-
Benzo(g,h,i)perylene	U	A	18.6	1	ND	ug/kg	-
Phosphonic acid, dioctadecyl ester	JN	T			366	ug/kg	-
TIC (Total)	-	T (Sum)	-	-	366	ug/kg	-
PCBs		SW 846 8082	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Aroclor 1016	U	A	2.54	1	ND	µg/kg	200
Aroclor 1221	U	A	3.2	1	ND	µg/kg	200
Aroclor 1232	U	A	3.77	1	ND	µg/kg	200
Aroclor 1242	U	A	1.74	1	ND	µg/kg	200
Aroclor 1248	U	A	1.2	1	ND	µg/kg	200
Aroclor 1254	U	A	2.68	1	ND	µg/kg	200
Aroclor 1260	U	A	2.57	1	ND	µg/kg	200
Aroclor 1262	U	A	2.62	1	ND	µg/kg	200
Aroclor 1268	U	A	1.94	1	ND	µg/kg	200
Cyanide		SW 846 9010B	8/8/2012	-	<0.27	mg/Kg	**1600**
Mercury		SW 846 7471A	8/9/2012	-	<0.014	mg/kg	**23**
Beryllium		SW 846 6010B	8/9/2012	-	0.0357	mg/kg	**16**
Cadmium		SW 846 6010B	8/9/2012	-	<0.06	mg/kg	**78**
Nickel		SW 846 6010B	8/9/2012	-	7.56	mg/kg	**1600**
Arsenic		SW 846 6010B	8/9/2012	-	0.524	mg/kg	**19**

Cobalt	SW 846 6010B	8/9/2012	-	4.15	mg/kg	1600
Lead	SW 846 6010B	8/9/2012	-	4.93	mg/kg	400
Manganese	SW 846 6010B	8/9/2012	-	298	mg/kg	11000
Chromium	SW 846 6010B	8/9/2012	-	7.69	mg/Kg	-
Copper	SW 846 6010B	8/9/2012	-	5.71	mg/kg	3100
Silver	SW 846 6010B	8/9/2012	-	<0.55	mg/Kg	390
Thallium	SW 846 6010B	8/9/2012	-	<0.55	mg/kg	5
Antimony	SW 846 6010B	8/9/2012	-	<0.55	mg/kg	31
Barium	SW 846 6010B	8/9/2012	-	34.7	mg/kg	16000
Vanadium	SW 846 6010B	8/9/2012	-	12.6	mg/kg	78
Selenium	SW 846 6010B	8/9/2012	-	<0.69	mg/kg	390
Zinc	SW 846 6010B	8/9/2012	-	15.7	mg/kg	23000
Iron	SW 846 6010B	8/9/2012	-	10700	mg/kg	-
Aluminum	SW 846 6010B	8/9/2012	-	4160	mg/kg	78000
Calcium	SW 846 6010B	8/9/2012	-	1170	mg/kg	-
Magnesium	SW 846 6010B	8/9/2012	-	1440	mg/kg	-
Sodium	SW 846 6010B	8/9/2012	-	248	mg/kg	-
Potassium	SW 846 6010B	8/9/2012	-	540	mg/kg	-

Rt. 3, bridge 4 - D1-5 **12080180-004** 8/6/2012, 12:09:00 PM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL *	Result	Units	Limit
Total EPH	NJDEP-EPH	8/9/2012	-	<22	mg/Kg	-
Percent Solids	Gravimetric	8/7/2012	-	89.1	%	-
C10-C12 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C12-C16 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C16-C21 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C36 Aromatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C21-C40 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
C9-C12 Aliphatics	NJDEP-EPH	8/9/2012	-	NA	mg/Kg	-
Pesticides	SW 846 8081A	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
alpha-BHC	U	A	0.298	1	ND	µg/kg	100
beta-BHC	U	A	0.29	1	ND	µg/kg	400
gamma-BHC (Lindane)	U	A	0.231	1	ND	µg/kg	400
delta-BHC	U	A	0.224	1	ND	µg/kg	-
Aldrin	U	A	0.248	1	ND	µg/kg	40
Heptachlor	U	A	0.343	1	ND	µg/kg	100
Heptachlor Epoxide	U	A	0.375	1	ND	µg/kg	70
Endosulfan I	U	A	0.416	1	ND	µg/kg	-
Endosulfan II	U	A	0.279	1	ND	µg/kg	-
4,4'-DDE	U	A	0.263	1	ND	µg/kg	2000
4,4'-DDD	U	A	0.167	1	ND	µg/kg	3000
4,4'-DDT	U	A	0.286	1	ND	µg/kg	2000
Dieldrin	U	A	0.301	1	ND	µg/kg	40
Endrin	U	A	0.289	1	ND	µg/kg	23000
Endrin Aldehyde	U	A	0.619	1	ND	µg/kg	-
Endrin Ketone	U	A	0.268	1	ND	µg/kg	-

Endosulfan Sulfate	U	A	0.265	1	ND	µg/kg	470000
Methoxychlor	U	A	0.336	1	ND	µg/kg	390000
Chlordane	U	A	0.574	1	ND	µg/kg	200
Toxaphene	U	A	4.06	1	ND	µg/kg	600

Semivolatile Organics	SW 846 8270C	8/9/2012	-	Results Listed Below	-	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Pyridine	U	A	215	1	ND	ug/kg	-
n-Nitroso-dimethylamine	U	A	337	1	ND	ug/kg	-
Benzaldehyde	U	A	111	1	ND	ug/kg	-
Aniline	U	A	16.5	1	ND	ug/kg	-
Phenol	U	A	16.5	1	ND	ug/kg	-
bis(2-Chloroethyl)ether	U	A	23.2	1	ND	ug/kg	-
2-Chlorophenol	U	A	15.7	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	22.4	1	ND	ug/kg	-
1,4-Dichlorobenzene	U	A	28.4	1	ND	ug/kg	-
Benzyl Alcohol	U	A	519	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	17.2	1	ND	ug/kg	-
2-Methylphenol	U	A	17.2	1	ND	ug/kg	-
bis(2-Chloroisopropyl)ether	U	A	18.7	1	ND	ug/kg	-
Acetophenone	U	A	98.8	1	ND	ug/kg	-
3+4-Methylphenol	U	A	28.4	1	ND	ug/kg	-
n-Nitroso-di-n-propylamine	U	A	32.9	1	ND	ug/kg	-
Hexachloroethane	U	A	21.0	1	ND	ug/kg	-
Nitrobenzene	U	A	15.0	1	ND	ug/kg	-
Isophorone	U	A	15.7	1	ND	ug/kg	-
2-Nitrophenol	U	A	159	1	ND	ug/kg	-
2,4-Dimethylphenol	U	A	21.0	1	ND	ug/kg	-
bis(2-Chloroethoxy)methane	U	A	25.4	1	ND	ug/kg	-
2,4-Dichlorophenol	U	A	46.4	1	ND	ug/kg	-
Benzoic Acid	U	A	474	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	26.2	1	ND	ug/kg	-
Naphthalene	U	A	16.5	1	ND	ug/kg	-
2,6-Dichlorophenol	U	A	19.5	1	ND	ug/kg	-
4-Chloroaniline	U	A	22.4	1	ND	ug/kg	-
Hexachlorobutadiene	U	A	21.7	1	ND	ug/kg	-
Caprolactam	U	A	68.1	1	ND	ug/kg	-
4-Chloro-3-methylphenol	U	A	26.2	1	ND	ug/kg	-
2-Methylnaphthalene	U	A	19.5	1	ND	ug/kg	-
Hexachlorocyclopentadiene	U	A	307	1	ND	ug/kg	-
1,2,4,5-Tetrachlorobenzene	U	A	19.5	1	ND	ug/kg	-
2,4,6-Trichlorophenol	U	A	19.5	1	ND	ug/kg	-
2,4,5-Trichlorophenol	U	A	38.2	1	ND	ug/kg	-
Biphenyl	U	A	73.3	1	ND	ug/kg	-
2-Chloronaphthalene	U	A	15.0	1	ND	ug/kg	-
2-Nitroaniline	U	A	8.23	1	ND	ug/kg	-
Dimethylphthalate		A	21.7	1	249	ug/kg	-
Acenaphthylene	U	A	12.0	1	ND	ug/kg	-
2,6-Dinitrotoluene	U	A	31.4	1	ND	ug/kg	-
3-Nitroaniline	U	A	365	1	ND	ug/kg	-
Acenaphthene	U	A	15.0	1	ND	ug/kg	-
2,4-Dinitrophenol	U	A	29.2	1	ND	ug/kg	-
Dibenzofuran	U	A	16.5	1	ND	ug/kg	-

APL Result Retrieval System - Detailed Report

4-Nitrophenol	U	A	98.0	1	ND	ug/kg	-
2,4-Dinitrotoluene	U	A	29.2	1	ND	ug/kg	-
2,3,4,6-Tetrachlorophenol	U	A	487	1	ND	ug/kg	-
Fluorene	U	A	11.2	1	ND	ug/kg	-
Diethylphthalate	U	A	808	1	ND	ug/kg	-
4-Chlorophenyl phenyl ether	U	A	20.2	1	ND	ug/kg	-
4-Nitroaniline	U	A	205	1	ND	ug/kg	-
4,6-Dinitro-2-methylphenol	U	A	212	1	ND	ug/kg	-
n-Nitrosodiphenylamine	U	A	16.5	1	ND	ug/kg	-
1,2-Diphenylhydrazine	U	A	12.7	1	ND	ug/kg	-
4-Bromophenyl-phenyl ether	U	A	23.9	1	ND	ug/kg	-
Hexachlorobenzene	U	A	33.7	1	ND	ug/kg	-
Atrazine	U	A	61.4	1	ND	ug/kg	-
Pentachlorophenol	U	A	159	1	ND	ug/kg	-
Phenanthrene	U	A	5.99	1	ND	ug/kg	-
Anthracene	U	A	10.5	1	ND	ug/kg	-
Carbazole	U	A	23.2	1	ND	ug/kg	-
Di-n-butylphthalate	U	A	35.9	1	ND	ug/kg	-
Fluoranthene	U	A	18.7	1	ND	ug/kg	-
Benzidine	U	A	351	1	ND	ug/kg	-
Pyrene	U	A	10.5	1	ND	ug/kg	-
Butylbenzylphthalate	U	A	14.2	1	ND	ug/kg	-
Benzo(a)anthracene	U	A	12.7	1	ND	ug/kg	-
3,3'-Dichlorobenzidine	U	A	196	1	ND	ug/kg	-
Chrysene	U	A	15.0	1	ND	ug/kg	-
bis(2-Ethylhexyl)phthalate	U	A	256	1	ND	ug/kg	-
Di-n-octylphthalate	U	A	23.2	1	ND	ug/kg	-
Benzo(b)fluoranthene	U	A	25.4	1	ND	ug/kg	-
Benzo(k)fluoranthene	U	A	20.2	1	ND	ug/kg	-
Benzo(a)pyrene	U	A	14.2	1	ND	ug/kg	-
Indeno(1,2,3-cd)pyrene	U	A	9.73	1	ND	ug/kg	-
Dibenzo(a,h)anthracene	U	A	12.0	1	ND	ug/kg	-
Benzo(g,h,i)perylene	U	A	19.5	1	ND	ug/kg	-
Phosphonic acid, dioctadecyl ester	JN	T			434	ug/kg	-
unknown	J	T			1450	ug/kg	-
unknown	J	T			414	ug/kg	-
unknown	J	T			453	ug/kg	-
TIC (Total)	-	T (Sum)	-	-	2751	ug/kg	-
					Results Listed Below	-	-

PCBs

SW 846 8082 8/9/2012

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Aroclor 1016	U	A	2.65	1	ND	µg/kg	200
Aroclor 1221	U	A	3.34	1	ND	µg/kg	200
Aroclor 1232	U	A	3.93	1	ND	µg/kg	200
Aroclor 1242	U	A	1.82	1	ND	µg/kg	200
Aroclor 1248	U	A	1.25	1	ND	µg/kg	200
Aroclor 1254	U	A	2.79	1	ND	µg/kg	200
Aroclor 1260	U	A	2.68	1	ND	µg/kg	200
Aroclor 1262	U	A	2.74	1	ND	µg/kg	200
Aroclor 1268	U	A	2.02	1	ND	µg/kg	200
Cyanide		SW 846 9010B	8/8/2012	-	<0.28	mg/Kg	**1600**
Mercury		SW 846 7471A	8/9/2012	-	<0.019	mg/kg	**23**
Beryllium		SW 846 6010B	8/9/2012	-	0.0503	mg/kg	**16**

APL Result Retrieval System - Detailed Report

Cadmium	SW 846 6010B	8/9/2012	-	<0.07	mg/kg	78
Nickel	SW 846 6010B	8/9/2012	-	10.8	mg/kg	1600
Arsenic	SW 846 6010B	8/9/2012	-	0.991	mg/kg	19
Cobalt	SW 846 6010B	8/9/2012	-	6.02	mg/kg	1600
Lead	SW 846 6010B	8/9/2012	-	6.45	mg/kg	400
Manganese	SW 846 6010B	8/9/2012	-	396	mg/kg	11000
Chromium	SW 846 6010B	8/9/2012	-	11.8	mg/Kg	-
Copper	SW 846 6010B	8/9/2012	-	7.56	mg/kg	3100
Silver	SW 846 6010B	8/9/2012	-	<0.71	mg/Kg	390
Thallium	SW 846 6010B	8/9/2012	-	<0.71	mg/kg	5
Antimony	SW 846 6010B	8/9/2012	-	<0.71	mg/kg	31
Barium	SW 846 6010B	8/9/2012	-	47.6	mg/kg	16000
Vanadium	SW 846 6010B	8/9/2012	-	20.3	mg/kg	78
Selenium	SW 846 6010B	8/9/2012	-	<0.89	mg/kg	390
Zinc	SW 846 6010B	8/9/2012	-	23.6	mg/kg	23000
Iron	SW 846 6010B	8/9/2012	-	15400	mg/kg	-
Aluminum	SW 846 6010B	8/9/2012	-	7820	mg/kg	78000
Calcium	SW 846 6010B	8/9/2012	-	945	mg/kg	-
Magnesium	SW 846 6010B	8/9/2012	-	1920	mg/kg	-
Sodium	SW 846 6010B	8/9/2012	-	582	mg/kg	-
Potassium	SW 846 6010B	8/9/2012	-	637	mg/kg	-

Rt. 3. Bridge 4 - A1 **12080180-005** 8/6/2012, 11:24:00 AM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL *	Result	Units	Limit
Percent Solids	Gravimetric	8/7/2012	-	92.5	%	-
Volatile Organics	SW 846 8260B	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	1.20	1	ND	ug/kg	-
Chloromethane	U	A	0.703	1	ND	ug/kg	-
Vinyl Chloride	U	A	1.02	1	ND	ug/kg	-
Bromomethane	U	A	1.85	1	ND	ug/kg	-
Chloroethane	U	A	2.46	1	ND	ug/kg	-
Trichlorofluoromethane	U	A	1.26	1	ND	ug/kg	-
1,1,2-Trichloro-1,2,2 trifluoroethane	U	A	2.26	1	ND	ug/kg	-
Acetone	U	A	3.10	1	ND	ug/kg	-
1,1-Dichloroethene	U	A	1.46	1	ND	ug/kg	-
tert-Butyl Alcohol	U	A	10.5	1	ND	ug/kg	-
Methyl Acetate	U	A	1.03	1	ND	ug/kg	-
Methylene Chloride	U	A	0.886	1	ND	ug/kg	-
Carbon Disulfide	U	A	0.746	1	ND	ug/kg	-
Methyl tert-Butyl Ether	U	A	0.941	1	ND	ug/kg	-
trans-1,2-Dichloroethene	U	A	0.724	1	ND	ug/kg	-
1,1-Dichloroethane	U	A	0.908	1	ND	ug/kg	-
2-Butanone	U	A	2.22	1	ND	ug/kg	-
cis-1,2-Dichloroethene	U	A	0.562	1	ND	ug/kg	-
Chloroform	U	A	0.843	1	ND	ug/kg	-
Bromochloromethane	U	A	1.02	1	ND	ug/kg	-
Cyclohexane	U	A	1.09	1	ND	ug/kg	-
1,1,1-Trichloroethane	U	A	1.23	1	ND	ug/kg	-

Carbon Tetrachloride	U	A	0.941	1	ND	ug/kg	-
1,2-Dichloroethane	U	A	0.616	1	ND	ug/kg	-
Benzene	U	A	0.595	1	ND	ug/kg	-
Trichloroethene	U	A	0.886	1	ND	ug/kg	-
Methylcyclohexane	U	A	1.10	1	ND	ug/kg	-
1,2-Dichloropropane	U	A	0.854	1	ND	ug/kg	-
Bromodichloromethane	U	A	0.832	1	ND	ug/kg	-
4-Methyl-2-Pentanone	U	A	0.811	1	ND	ug/kg	-
cis-1,3-Dichloropropene	U	A	0.205	1	ND	ug/kg	-
Toluene	U	A	0.389	1	ND	ug/kg	-
trans-1,3-Dichloropropene	U	A	0.476	1	ND	ug/kg	-
1,1,2-Trichloroethane	U	A	0.735	1	ND	ug/kg	-
2-Hexanone	U	A	1.19	1	ND	ug/kg	-
Tetrachloroethene	U	A	0.724	1	ND	ug/kg	-
Dibromochloromethane	U	A	0.735	1	ND	ug/kg	-
1,2-Dibromoethane	U	A	0.411	1	ND	ug/kg	-
Chlorobenzene	U	A	0.465	1	ND	ug/kg	-
Ethylbenzene	U	A	0.432	1	ND	ug/kg	-
m+p-Xylenes	U	A	1.04	1	ND	ug/kg	-
o-Xylene	U	A	0.854	1	ND	ug/kg	-
Styrene	U	A	0.681	1	ND	ug/kg	-
Isopropylbenzene	U	A	0.562	1	ND	ug/kg	-
Bromoform	U	A	1.94	1	ND	ug/kg	-
1,1,2,2-Tetrachloroethane	U	A	1.54	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	0.897	1	ND	ug/kg	-
1,4-Dichlorobenzene	U	A	0.919	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	0.778	1	ND	ug/kg	-
1,2-Dibromo-3-chloropropane	U	A	4.88	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	1.06	1	ND	ug/kg	-
1,2,3-Trichlorobenzene	U	A	1.95	1	ND	ug/kg	-
No TICs Detected		T			0	ug	-

No TICs Detected/Reported for this test.

Rt. 3. Bridge 4 - B1 **12080180-006** 8/6/2012, 10:47:00 AM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL ‡	Result	Units	Limit
Percent Solids	Gravimetric	8/7/2012	-	94.7	%	-
Volatile Organics	SW 846 8260B	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	1.17	1	ND	ug/kg	-
Chloromethane	U	A	0.686	1	ND	ug/kg	-
Vinyl Chloride	U	A	0.993	1	ND	ug/kg	-
Bromomethane	U	A	1.81	1	ND	ug/kg	-
Chloroethane	U	A	2.41	1	ND	ug/kg	-
Trichlorofluoromethane	U	A	1.24	1	ND	ug/kg	-
1,1,2-Trichloro-1,2,2 trifluoroethane	U	A	2.21	1	ND	ug/kg	-
Acetone	U	A	3.03	1	ND	ug/kg	-
1,1-Dichloroethene	U	A	1.43	1	ND	ug/kg	-
tert-Butyl Alcohol	U	A	10.3	1	ND	ug/kg	-
Methyl Acetate	U	A	1.00	1	ND	ug/kg	-
Methylene Chloride	U	A	0.866	1	ND	ug/kg	-

Carbon Disulfide	U	A	0.729	1	ND	ug/kg	-
Methyl tert-Butyl Ether	U	A	0.919	1	ND	ug/kg	-
trans-1,2-Dichloroethene	U	A	0.708	1	ND	ug/kg	-
1,1-Dichloroethane	U	A	0.887	1	ND	ug/kg	-
2-Butanone	U	A	2.16	1	ND	ug/kg	-
cis-1,2-Dichloroethene	U	A	0.549	1	ND	ug/kg	-
Chloroform	U	A	0.824	1	ND	ug/kg	-
Bromochloromethane	U	A	0.993	1	ND	ug/kg	-
Cyclohexane	U	A	1.07	1	ND	ug/kg	-
1,1,1-Trichloroethane	U	A	1.20	1	ND	ug/kg	-
Carbon Tetrachloride	U	A	0.919	1	ND	ug/kg	-
1,2-Dichloroethane	U	A	0.602	1	ND	ug/kg	-
Benzene	U	A	0.581	1	ND	ug/kg	-
Trichloroethene	U	A	0.866	1	ND	ug/kg	-
Methylcyclohexane	U	A	1.08	1	ND	ug/kg	-
1,2-Dichloropropane	U	A	0.834	1	ND	ug/kg	-
Bromodichloromethane	U	A	0.813	1	ND	ug/kg	-
4-Methyl-2-Pentanone	U	A	0.792	1	ND	ug/kg	-
cis-1,3-Dichloropropene	U	A	0.201	1	ND	ug/kg	-
Toluene	U	A	0.380	1	ND	ug/kg	-
trans-1,3-Dichloropropene	U	A	0.465	1	ND	ug/kg	-
1,1,2-Trichloroethane	U	A	0.718	1	ND	ug/kg	-
2-Hexanone	U	A	1.16	1	ND	ug/kg	-
Tetrachloroethene	U	A	0.708	1	ND	ug/kg	-
Dibromochloromethane	U	A	0.718	1	ND	ug/kg	-
1,2-Dibromoethane	U	A	0.401	1	ND	ug/kg	-
Chlorobenzene	U	A	0.454	1	ND	ug/kg	-
Ethylbenzene	U	A	0.422	1	ND	ug/kg	-
m+p-Xylenes	U	A	1.01	1	ND	ug/kg	-
o-Xylene	U	A	0.834	1	ND	ug/kg	-
Styrene	U	A	0.665	1	ND	ug/kg	-
Isopropylbenzene	U	A	0.549	1	ND	ug/kg	-
Bromoform	U	A	1.89	1	ND	ug/kg	-
1,1,2,2-Tetrachloroethane	U	A	1.50	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	0.876	1	ND	ug/kg	-
1,4-Dichlorobenzene	U	A	0.898	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	0.760	1	ND	ug/kg	-
1,2-Dibromo-3-chloropropane	U	A	4.76	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	1.03	1	ND	ug/kg	-
1,2,3-Trichlorobenzene	U	A	1.90	1	ND	ug/kg	-
No TICs Detected		T			0	ug	-

No TICs Detected/Reported for this test.

Rt. 3. Bridge 4 - C1 **12080180-007** 8/6/2012, 9:57:00 AM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL ‡	Result	Units	Limit
Percent Solids	Gravimetric	8/7/2012	-	93.2	%	-
Volatile Organics	SW 846 8260B	8/9/2012	-	Results Listed Below	-	-

Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	1.19	1	ND	ug/kg	-
Chloromethane	U	A	0.697	1	ND	ug/kg	-

Vinyl Chloride	U	A	1.01	1	ND	ug/kg	-
Bromomethane	U	A	1.83	1	ND	ug/kg	-
Chloroethane	U	A	2.45	1	ND	ug/kg	-
Trichlorofluoromethane	U	A	1.26	1	ND	ug/kg	-
1,1,2-Trichloro-1,2,2 trifluoroethane	U	A	2.24	1	ND	ug/kg	-
Acetone	U	A	3.08	1	ND	ug/kg	-
1,1-Dichloroethene	U	A	1.45	1	ND	ug/kg	-
tert-Butyl Alcohol	U	A	10.5	1	ND	ug/kg	-
Methyl Acetate	U	A	1.02	1	ND	ug/kg	-
Methylene Chloride	U	A	0.880	1	ND	ug/kg	-
Carbon Disulfide	U	A	0.740	1	ND	ug/kg	-
Methyl tert-Butyl Ether	U	A	0.933	1	ND	ug/kg	-
trans-1,2-Dichloroethene	U	A	0.719	1	ND	ug/kg	-
1,1-Dichloroethane	U	A	0.901	1	ND	ug/kg	-
2-Butanone	U	A	2.20	1	ND	ug/kg	-
cis-1,2-Dichloroethene	U	A	0.558	1	ND	ug/kg	-
Chloroform	U	A	0.837	1	ND	ug/kg	-
Bromochloromethane	U	A	1.01	1	ND	ug/kg	-
Cyclohexane	U	A	1.08	1	ND	ug/kg	-
1,1,1-Trichloroethane	U	A	1.22	1	ND	ug/kg	-
Carbon Tetrachloride	U	A	0.933	1	ND	ug/kg	-
1,2-Dichloroethane	U	A	0.612	1	ND	ug/kg	-
Benzene	U	A	0.590	1	ND	ug/kg	-
Trichloroethene	U	A	0.880	1	ND	ug/kg	-
Methylcyclohexane	U	A	1.09	1	ND	ug/kg	-
1,2-Dichloropropane	U	A	0.848	1	ND	ug/kg	-
Bromodichloromethane	U	A	0.826	1	ND	ug/kg	-
4-Methyl-2-Pentanone	U	A	0.805	1	ND	ug/kg	-
cis-1,3-Dichloropropene	U	A	0.204	1	ND	ug/kg	-
Toluene	U	A	0.386	1	ND	ug/kg	-
trans-1,3-Dichloropropene	U	A	0.472	1	ND	ug/kg	-
1,1,2-Trichloroethane	U	A	0.730	1	ND	ug/kg	-
2-Hexanone	U	A	1.18	1	ND	ug/kg	-
Tetrachloroethene	U	A	0.719	1	ND	ug/kg	-
Dibromochloromethane	U	A	0.730	1	ND	ug/kg	-
1,2-Dibromoethane	U	A	0.408	1	ND	ug/kg	-
Chlorobenzene	U	A	0.461	1	ND	ug/kg	-
Ethylbenzene	U	A	0.429	1	ND	ug/kg	-
m+p-Xylenes	U	A	1.03	1	ND	ug/kg	-
o-Xylene	U	A	0.848	1	ND	ug/kg	-
Styrene	U	A	0.676	1	ND	ug/kg	-
Isopropylbenzene	U	A	0.558	1	ND	ug/kg	-
Bromoform	U	A	1.92	1	ND	ug/kg	-
1,1,2,2-Tetrachloroethane	U	A	1.52	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	0.891	1	ND	ug/kg	-
1,4-Dichlorobenzene	U	A	0.912	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	0.773	1	ND	ug/kg	-
1,2-Dibromo-3-chloropropane	U	A	4.84	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	1.05	1	ND	ug/kg	-
1,2,3-Trichlorobenzene	U	A	1.93	1	ND	ug/kg	-
No TICs Detected		T			0	ug	-

No TICs Detected/Reported for this test.

Rt. 3. Bridge 4 - D2 **12080180-008** 8/6/2012, 12:09:00 PM Soil - SRS Limits

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date Posted	MDL ‡	Result	Units	Limit
Percent Solids	Gravimetric	8/7/2012	-	89	%	-
Volatile Organics	SW 846 8260B	8/9/2012	-	Results Listed Below	-	-

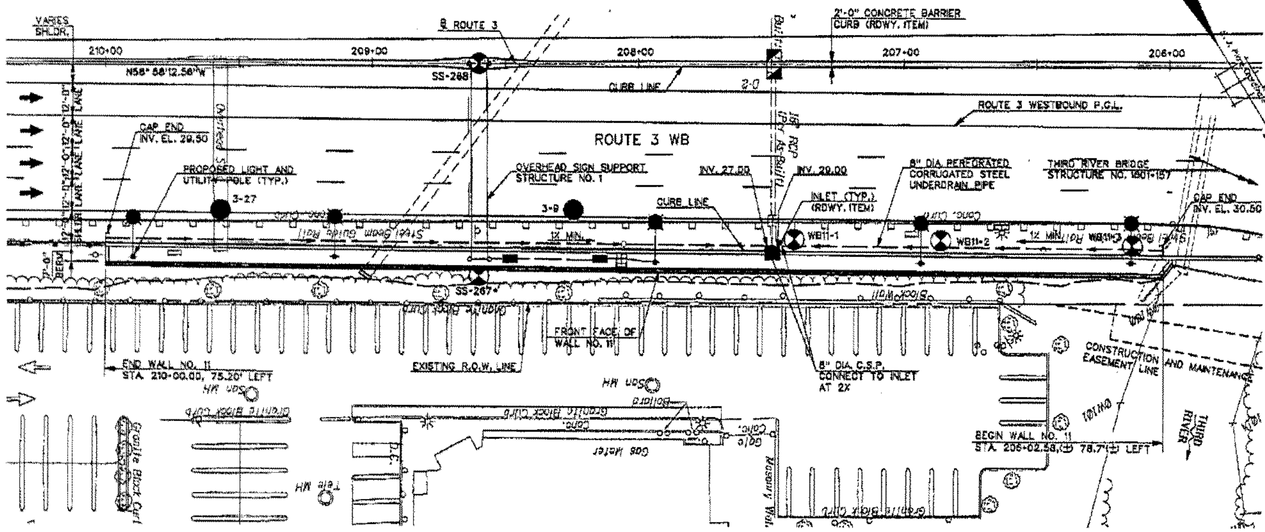
Compound	Qualifier	Type	MDL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	1.25	1	ND	ug/kg	-
Chloromethane	U	A	0.730	1	ND	ug/kg	-
Vinyl Chloride	U	A	1.06	1	ND	ug/kg	-
Bromomethane	U	A	1.92	1	ND	ug/kg	-
Chloroethane	U	A	2.56	1	ND	ug/kg	-
Trichlorofluoromethane	U	A	1.31	1	ND	ug/kg	-
1,1,2-Trichloro-1,2,2 trifluoroethane	U	A	2.35	1	ND	ug/kg	-
Acetone	U	A	3.22	1	ND	ug/kg	-
1,1-Dichloroethene	U	A	1.52	1	ND	ug/kg	-
tert-Butyl Alcohol	U	A	11.0	1	ND	ug/kg	-
Methyl Acetate	U	A	1.07	1	ND	ug/kg	-
Methylene Chloride	U	A	0.921	1	ND	ug/kg	-
Carbon Disulfide	U	A	0.775	1	ND	ug/kg	-
Methyl tert-Butyl Ether	U	A	0.978	1	ND	ug/kg	-
trans-1,2-Dichloroethene	U	A	0.753	1	ND	ug/kg	-
1,1-Dichloroethane	U	A	0.944	1	ND	ug/kg	-
2-Butanone	U	A	2.30	1	ND	ug/kg	-
cis-1,2-Dichloroethene	U	A	0.584	1	ND	ug/kg	-
Chloroform	U	A	0.876	1	ND	ug/kg	-
Bromochloromethane	U	A	1.06	1	ND	ug/kg	-
Cyclohexane	U	A	1.13	1	ND	ug/kg	-
1,1,1-Trichloroethane	U	A	1.28	1	ND	ug/kg	-
Carbon Tetrachloride	U	A	0.978	1	ND	ug/kg	-
1,2-Dichloroethane	U	A	0.640	1	ND	ug/kg	-
Benzene	U	A	0.618	1	ND	ug/kg	-
Trichloroethene	U	A	0.921	1	ND	ug/kg	-
Methylcyclohexane	U	A	1.15	1	ND	ug/kg	-
1,2-Dichloropropane	U	A	0.888	1	ND	ug/kg	-
Bromodichloromethane	U	A	0.865	1	ND	ug/kg	-
4-Methyl-2-Pentanone	U	A	0.843	1	ND	ug/kg	-
cis-1,3-Dichloropropene	U	A	0.213	1	ND	ug/kg	-
Toluene	U	A	0.404	1	ND	ug/kg	-
trans-1,3-Dichloropropene	U	A	0.494	1	ND	ug/kg	-
1,1,2-Trichloroethane	U	A	0.764	1	ND	ug/kg	-
2-Hexanone	U	A	1.24	1	ND	ug/kg	-
Tetrachloroethene	U	A	0.753	1	ND	ug/kg	-
Dibromochloromethane	U	A	0.764	1	ND	ug/kg	-
1,2-Dibromoethane	U	A	0.427	1	ND	ug/kg	-
Chlorobenzene	U	A	0.483	1	ND	ug/kg	-
Ethylbenzene	U	A	0.449	1	ND	ug/kg	-
m+p-Xylenes	U	A	1.08	1	ND	ug/kg	-
o-Xylene	U	A	0.888	1	ND	ug/kg	-
Styrene	U	A	0.708	1	ND	ug/kg	-
Isopropylbenzene	U	A	0.584	1	ND	ug/kg	-
Bromoform	U	A	2.01	1	ND	ug/kg	-
1,1,2,2-Tetrachloroethane	U	A	1.60	1	ND	ug/kg	-
1,3-Dichlorobenzene	U	A	0.933	1	ND	ug/kg	-

1,4-Dichlorobenzene	U	A	0.955	1	ND	ug/kg	-
1,2-Dichlorobenzene	U	A	0.809	1	ND	ug/kg	-
1,2-Dibromo-3-chloropropane	U	A	5.07	1	ND	ug/kg	-
1,2,4-Trichlorobenzene	U	A	1.10	1	ND	ug/kg	-
1,2,3-Trichlorobenzene	U	A	2.02	1	ND	ug/kg	-
No TICs Detected		T			0	ug	-

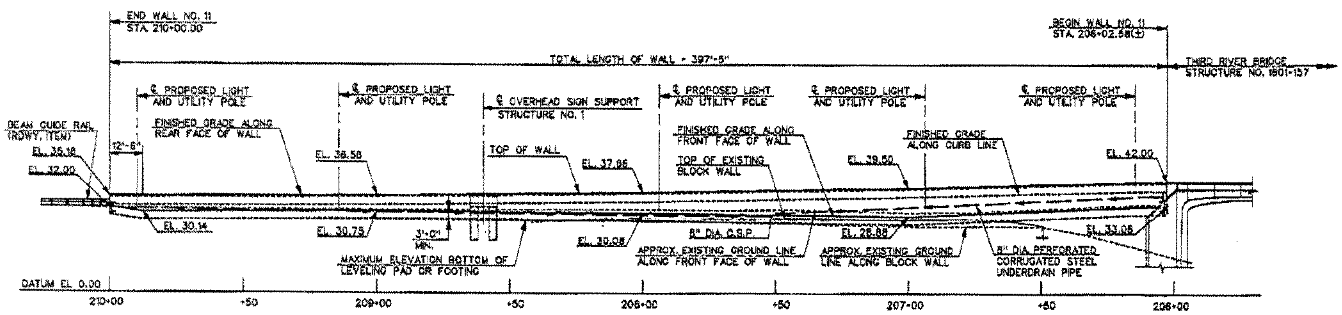
No TICs Detected/Reported for this test.

Report Key:		Description
	Result Units Limit x mg/l y *	An asterisk and red highlight indicate that the concentration of the analyte exceeded its limit or optimum range. Click the **Limit** column header for that sample's limits, or visit the **Documents** page for a complete listing of limits for all matrices. For Soil and Wastewater the lowest limit is used. For Concrete the Soil Residential Direct Contact Soil Cleanup Criterion (RDCSCC) is used. For Groundwater the higher of the PQL and the Groundwater Quality Criterion is used.
	#	Some soil MDL's are not available on the RRS Website. See deliverable report for this information.
Qualifiers		
	U-	Indicates the compound was analyzed for but not detected.
	J-	Indicates an estimated value. All tentatively identified compounds (TICs) and results below the MDL receive this qualifier.
	N-	Indicates presumptive evidence of a compound. All TICs receive this qualifier.
	B-	Used if the analyte is found in the method blank as well as the sample.
	E-	Used for identification of compounds with concentrations exceeding the GC/MS calibration range.
	D-	Indicates results from a diluted sample.
	A-	Indicates an analyte, a target compound included in the calibration.
	T-	Indicates a tentatively identified compound (TIC). A TIC is a non-targeted compound, not included in the calibration, identified by a mass spectral library search.
Results		
	Dilution Needed-	Indicates that the compound had an E qualifier and needed a diluted re-analysis. If completed and made available, results for compounds with this notification can be found at the bottom of the test's compound list.
	ND-	Indicates the compound was analyzed for but not detected.
Other		
	PQL-	Practical Quantitation Limit
	MDL-	Method Detection Limit
Terms & Conditions		*APL 8/2003*
		The data on this website is preliminary. It is made available at the earliest possible time in order to better serve our clients. Final deliverable results will be provided by mail as usual.

Questions, Comments, Feedback?



PLAN
SCALE: 1"=20'-0"



ELEVATION
SCALE: 1"=20'-0"

EXCESS SOIL SAMPLING PLAN #6
ABOUT 2200 CY OR 3300 TONS

SAMPLING NOTES:

1. TWO 5-PART COMPOSITE SAMPLES WILL BE TAKEN FROM WALL NO. 11 COMMON STRUCTURE VOLUME. EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 1,100 CY.
2. SAMPLING TO BY PERFORMED BY AQUA-PRO TECH LABORTORIES FIELD TECH.
3. SAMPLING TECHNICIAN SHALL USE A STAINLESS STEEL SAMPLING SPATULA THAT WILL BE DECONTAMINATED BEFORE SAMPLING AND INBETWEEN SAMPLING AT EACH COMPOSITE AREA OR USE DURABLE TEFLON SPATULAS.
4. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #4.
5. SEE ATTACHED CROSS-SECTIONS FOR DETAILED LOCATIONS OF EACH SAMPLE.

NOTES:
1. PLAN AND ELEVATION ORIENTED SO UPSTATION IS LEFT.
2. UPPER DRAIN FOR MSE OPTION NOT SHOWN ON PLANS. FOR MSE OPTION, THE CONTRACTOR SHALL DESIGN UPPER DRAIN AND SUBMIT TO THE ENGINEER FOR APPROVAL.

REFERENCES:
1. FOR TYPICAL ROADWAY SECTIONS AND TYPICAL WALL SECTIONS, SEE SHEET NOS. B-385 AND B-386.
2. FOR ROADWAY PROFILES AND WORKING POINT LAYOUT, SEE SHEET NO. B-384.
3. FOR LIGHTING POLE LOCATIONS, SEE HIGHWAY LIGHTING PLANS.

LEGEND:
DIRECTION OF TRAFFIC

1"=20' 20 0 20 40

STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N.J.	NH-BR-0054(260)		

STRUCTURE NO.
STRUCTURE NAME: RETAINING WALL NO. 11

WALL NO. 11

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

GENERAL PLAN AND ELEVATION

ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 004970173

CLIFTON CITY, RUTHERFORD BOROUGH — PASSAIC COUNTY, BERGEN COUNTY

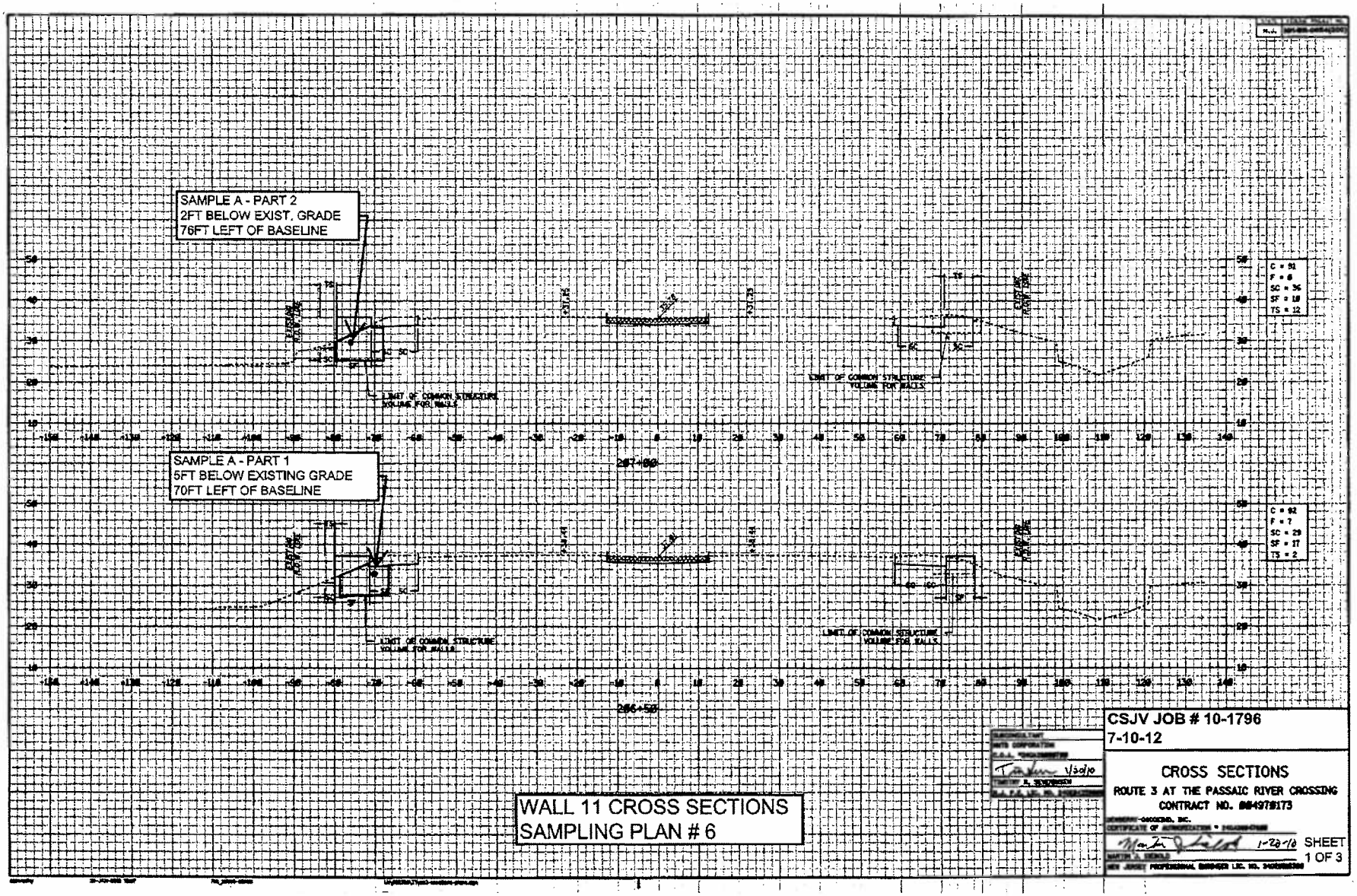
DEWBERRY-GOODKIND, INC. CERTIFICATE OF AUTHORIZATION NO. 24GA28047600
MARTIN J. SIEBOLD — DATE 1-7-10
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03303300

REVISION | BY | CK'D | DATE

BRIDGE SHEET NO. B-383 of B-487 — 1133

CONTROL SECTION		JOB NO.	
DES. BY	R. GANDIA	CHK. BY	J. GASS
DWN. BY	R. SECRETO		

IN CHARGE OF G. MERKEL



WALL 11 CROSS SECTIONS
SAMPLING PLAN # 6

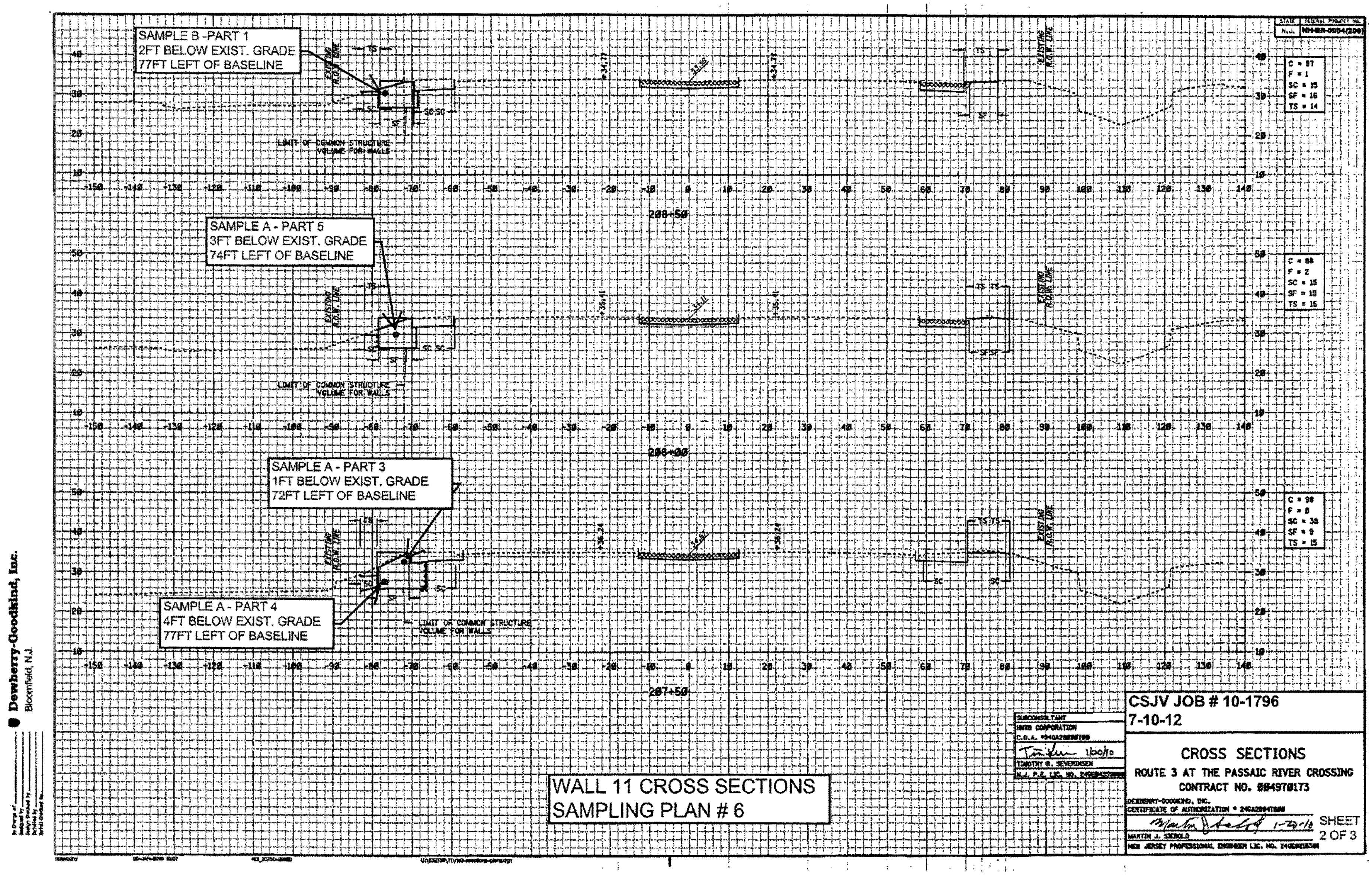
CSJV JOB # 10-1796
7-10-12

CROSS SECTIONS
ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 0041978173

1-28-10

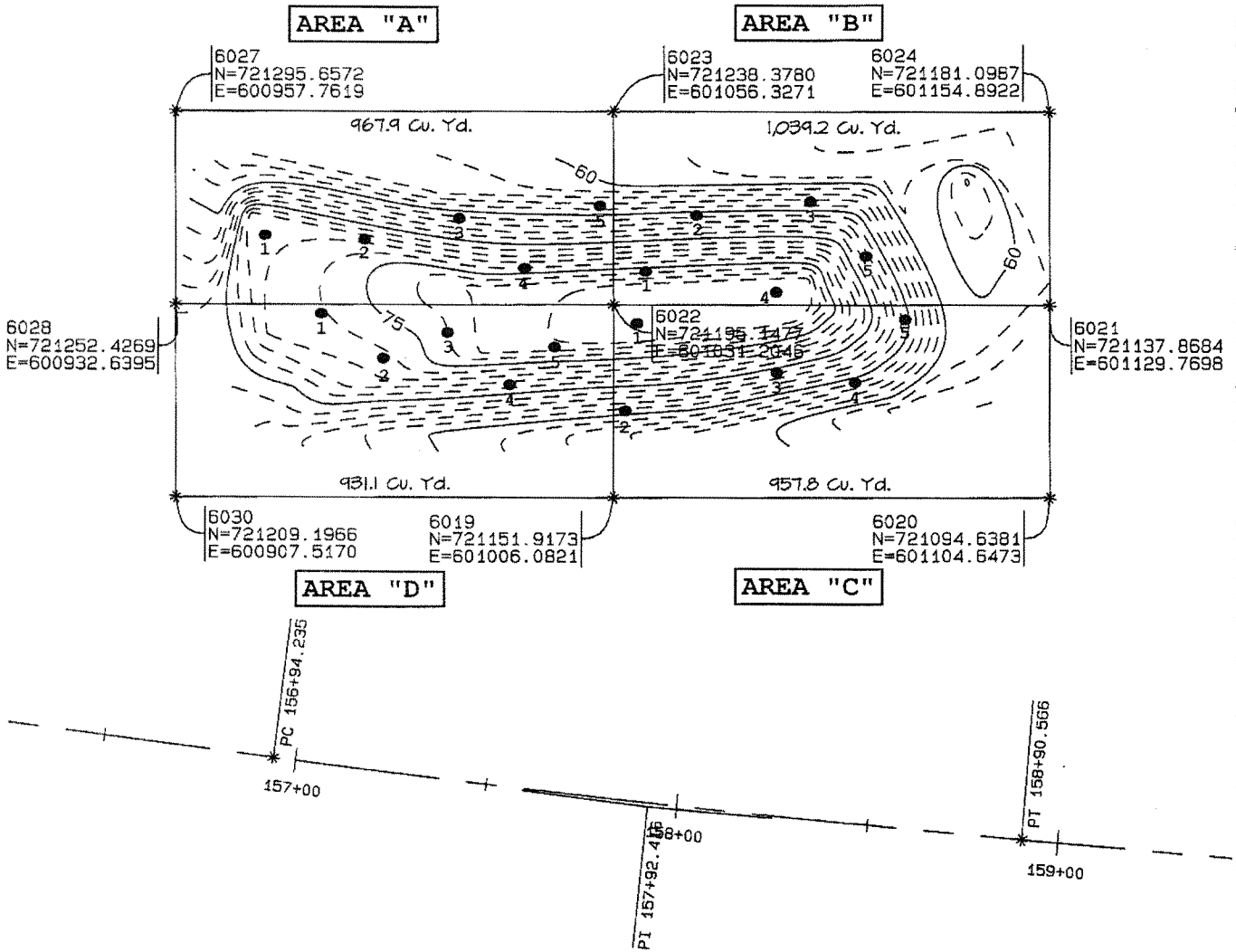
SHEET 1 OF 3

Dewberry-Goodkind, Inc.
Bloomfield, N.J.


SAMPLE B - PART 1
2FT BELOW EXIST. GRADE
77FT LEFT OF BASELINE
SAMPLE A - PART 5
3FT BELOW EXIST. GRADE
74FT LEFT OF BASELINE
SAMPLE A - PART 3
1FT BELOW EXIST. GRADE
72FT LEFT OF BASELINE
SAMPLE A - PART 4
4FT BELOW EXIST. GRADE
77FT LEFT OF BASELINE
LIMIT OF COMMON STRUCTURE VOLUME FOR WALLS
EXISTING R.O.W. LINE
208+50
208+00
207+50
C = 97
F = 1
SC = 15
SF = 16
TS = 14
C = 68
F = 2
SC = 15
SF = 15
TS = 15
C = 98
F = 8
SC = 38
SF = 9
TS = 15
WALL 11 CROSS SECTIONS
SAMPLING PLAN # 6
CSJV JOB # 10-1796
7-10-12
CROSS SECTIONS
ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 004970173
SUBCONSULTANT
TIMOTHY R. SEVERINSEN
DEWBERRY-GOODKIND, INC.
MARTIN J. SIEBOLD
NEW JERSEY PROFESSIONAL ENGINEER LIC. NO.
SHEET
2 OF 3
Dewberry-Goodkind, Inc.
Bloomfield, N.J.

EXCESS SOIL SAMPLING PLAN #7
ABOUT 3,896 CY OR 5,844 TONS

7/11/12



SAMPLING NOTES

1. FOUR 5-PART COMPOSITE SAMPLES WILL BE TAKEN FROM THIS STOCKPILE. EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 974 CY.

2. DEPTH OF SAMPLES AS FOLLOWS

AREA "A"
SAMPLE 1: 5FT DEPTH
SAMPLE 2: 7FT DEPTH
SAMPLE 3: 3.5FT DEPTH
SAMPLE 4: 9FT DEPTH
SAMPLE 5: 2FT DEPTH

AREA "B"
SAMPLE 1: 11FT DEPTH
SAMPLE 2: 5.5FT DEPTH
SAMPLE 3: 2FT DEPTH
SAMPLE 4: 9FT DEPTH
SAMPLE 5: 4FT DEPTH

AREA "C"
SAMPLE 1: 10FT DEPTH
SAMPLE 2: 3.5FT DEPTH
SAMPLE 3: 6FT DEPTH
SAMPLE 4: 2FT DEPTH
SAMPLE 5: 5FT DEPTH

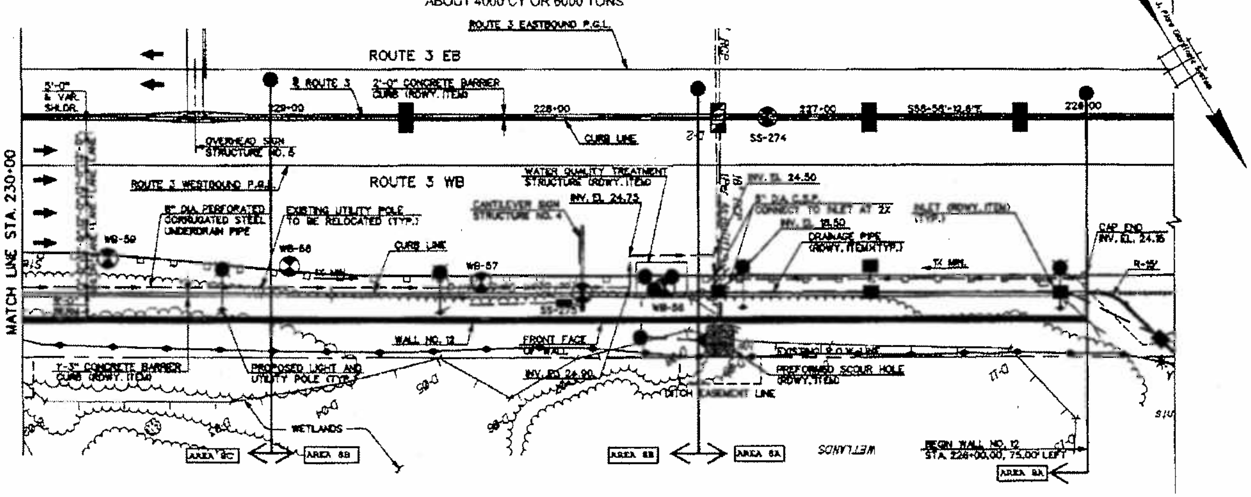
AREA "D"
SAMPLE 1: 6.5FT DEPTH
SAMPLE 2: 4FT DEPTH
SAMPLE 3: 10FT DEPTH
SAMPLE 4: 5FT DEPTH
SAMPLE 5: 2.5FT DEPTH

3. SAMPLING TO BY PERFORMED BY AQUA-PRO TECH LABORTORIES FIELD TECH.

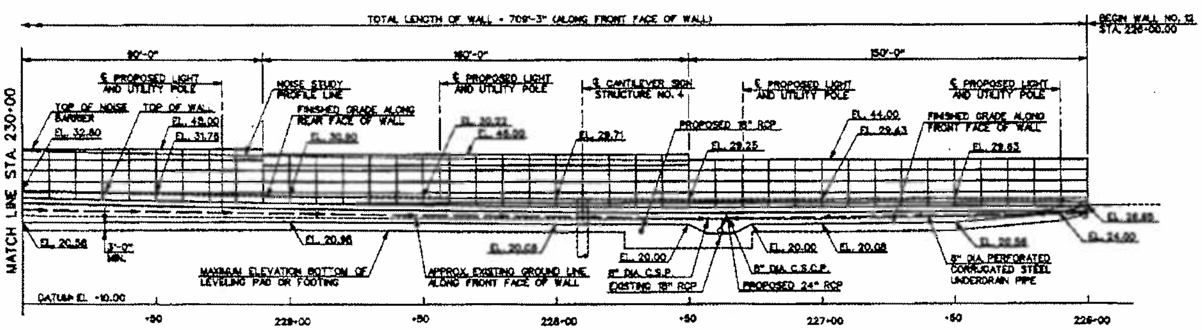
4. SAMPLING TECHNICIAN SHALL USE A STAINLESS STEEL SAMPLING SPATULA THAT WILL BE DECONTAMINATED BEFORE SAMPLING AND INBETWEEN SAMPLING AT EACH COMPOSITE AREA OR USE DURABLE TEFLON SPATULAS.

5. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #4.

EXCESS SOIL SAMPLING PLAN #8
ABOUT 4000 CY OR 6000 TONS



PLAN
SCALE: 1" = 20'-0"



ELEVATION
SCALE: 1" = 20'-0"

SAMPLING NOTES:

1. FOUR 5-PART COMPOSITE SAMPLES WILL BE TAKEN FROM WALL NO. 12 COMMON STRUCTURE VOLUME, EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 1,000 CY.

2. SAMPLING TO BY PERFORMED BY AQUA-PRO TECH LABORTORIES FIELD TECH.

3. SAMPLING TECHNICIAN SHALL USE A STAINLESS STEEL SAMPLING SPATULA THAT WILL BE DECONTAMINATED BEFORE SAMPLING AND INBETWEEN SAMPLING AT EACH COMPOSITE AREA OR USE DURABLE TEFLON SPATULAS.

4. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #3.

5. SEE ATTACHED CROSS-SECTIONS FOR DETAILED LOCATIONS OF EACH SAMPLE.

STRUCTURE NAME: RETAINING WALL NO. 12

LEGEND:
DIRECTION OF TRAFFIC

WALL NO. 12
NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

GENERAL PLAN AND ELEVATION I

ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 004970173

CLIFTON CITY, RUTHERFORD BOROUGH — PASSAIC COUNTY, BERGEN COUNTY

DEWBERRY-GOODKIND, INC.

SHEET NO. B-387 OF B-487

1137

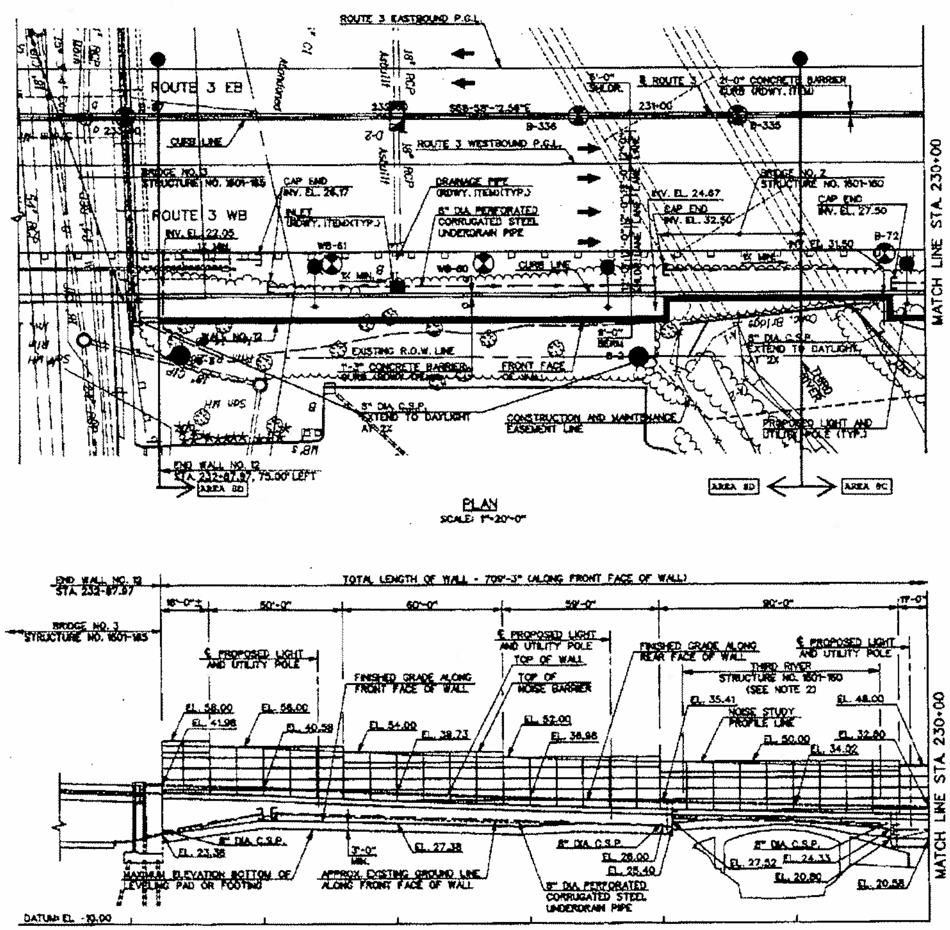
DES. BY R. CANDIA | DWN. BY A. SECRETO | CHK. BY A. GASS
IN CHARGE OF G. NIZZOL[illegible]

Dewberry-Goodkind, Inc.
Bloomfield, N.J.

STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N.J.			

STRUCTURE NO.

STRUCTURE NAME: RETAINING WALL NO. 12



SAMPLING NOTES:

1. FOUR 5-PART COMPOSITE SAMPLES WILL BE TAKEN FROM WALL NO. 12 COMMON STRUCTURE VOLUME. EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 1,000 CY.

2. SAMPLING TO BY PERFORMED BY AQUA-PRO TECH LABORTORIES FIELD TECH.

3. SAMPLING TECHNICIAN SHALL USE A STAINLESS STEEL SAMPLING SPATULA THAT WILL BE DECONTAMINATED BEFORE SAMPLING AND INBETWEEN SAMPLING AT EACH COMPOSITE AREA OR USE DURABLE TEFLON SPATULAS.

4. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #3.

5. SEE ATTACHED CROSS-SECTIONS FOR DETAILED LOCATIONS OF EACH SAMPLE.

LEGEND:

→ DIRECTION OF TRAFFIC

— NOISE BARRIER

WALL NO. 12

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

GENERAL PLAN AND ELEVATION II

ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 004970173

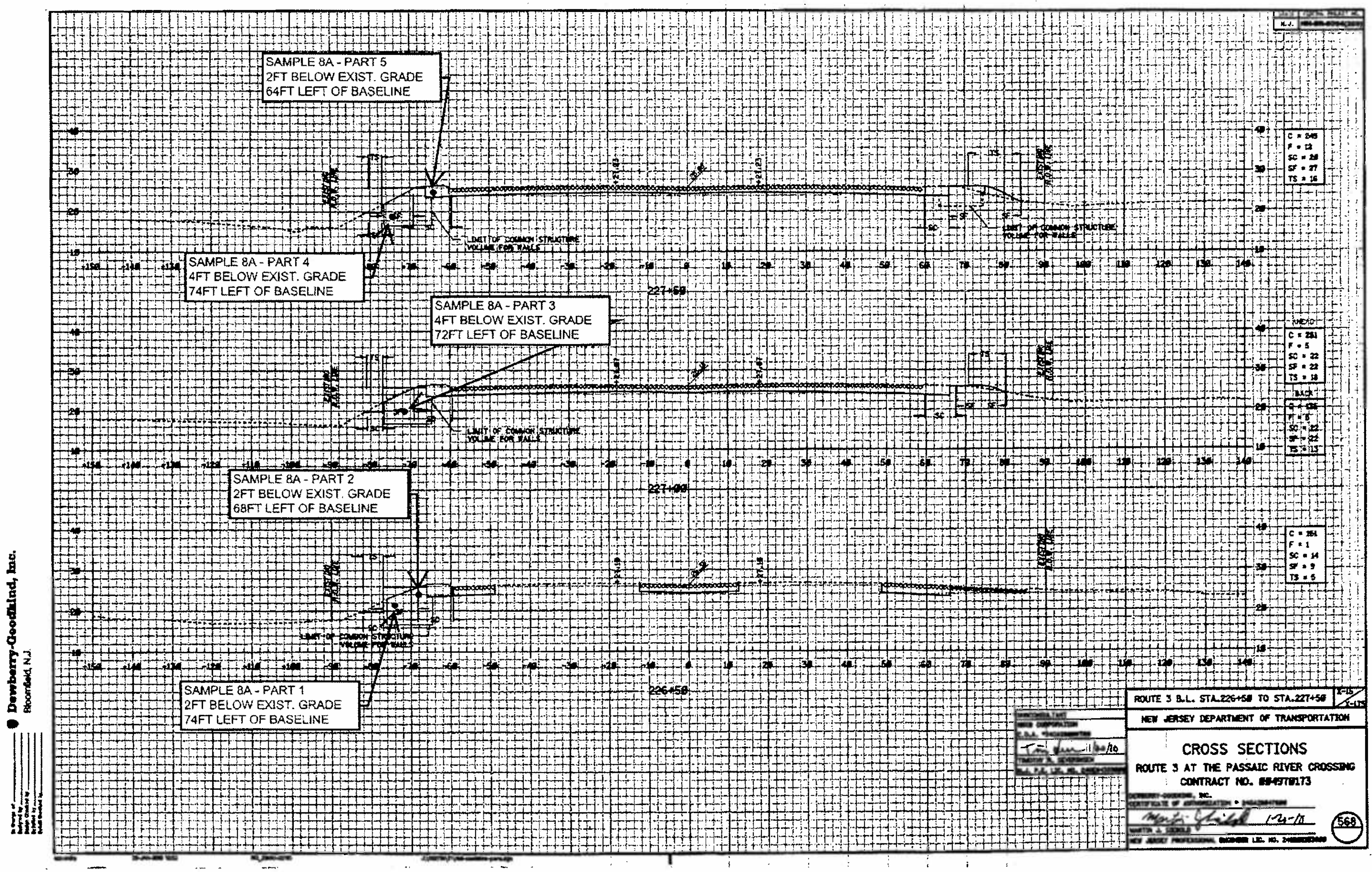
CLIFTON CITY
RUTHERFORD BOROUGH

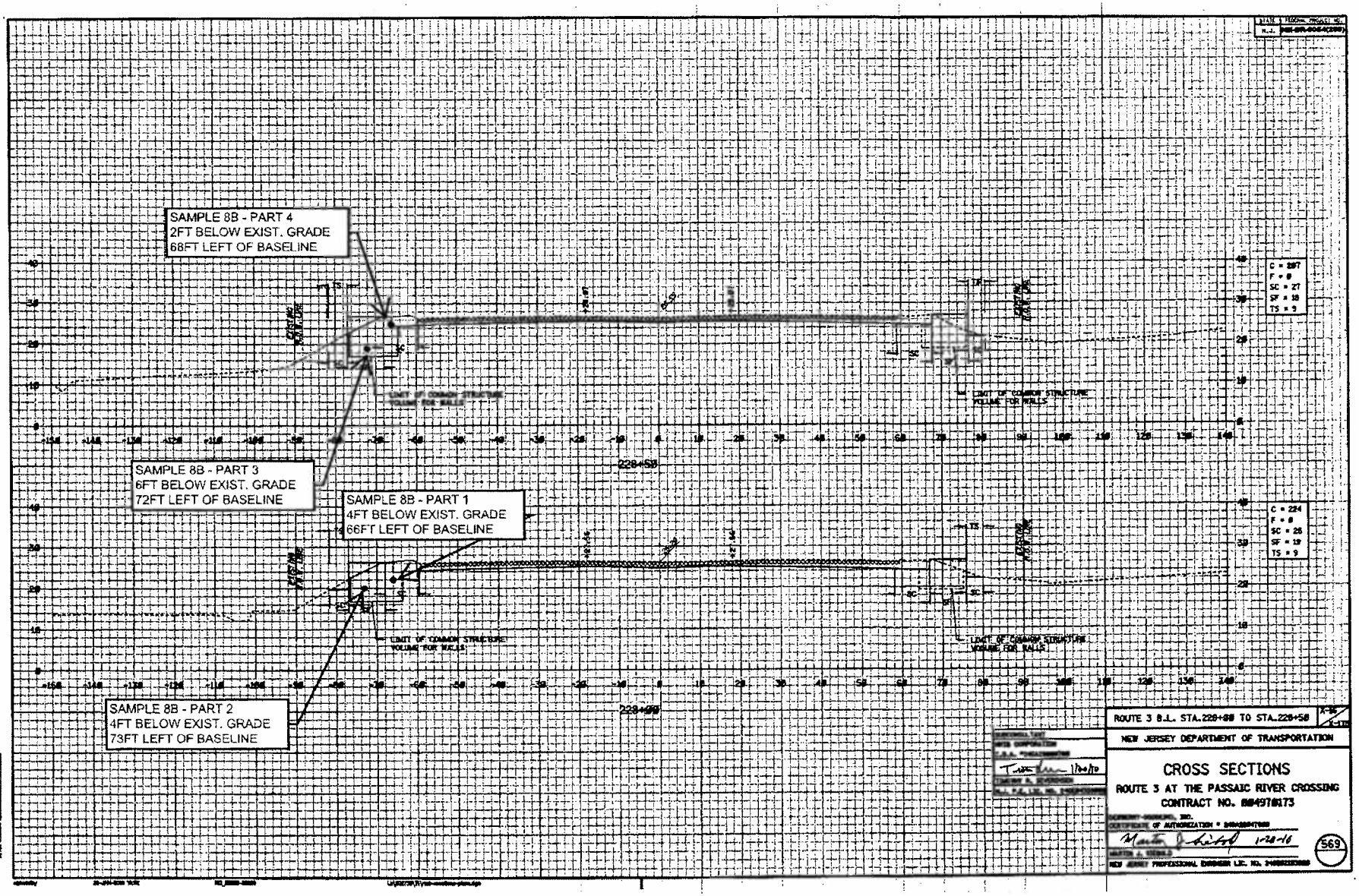
PASSAIC COUNTY
BERGEN COUNTY

1138

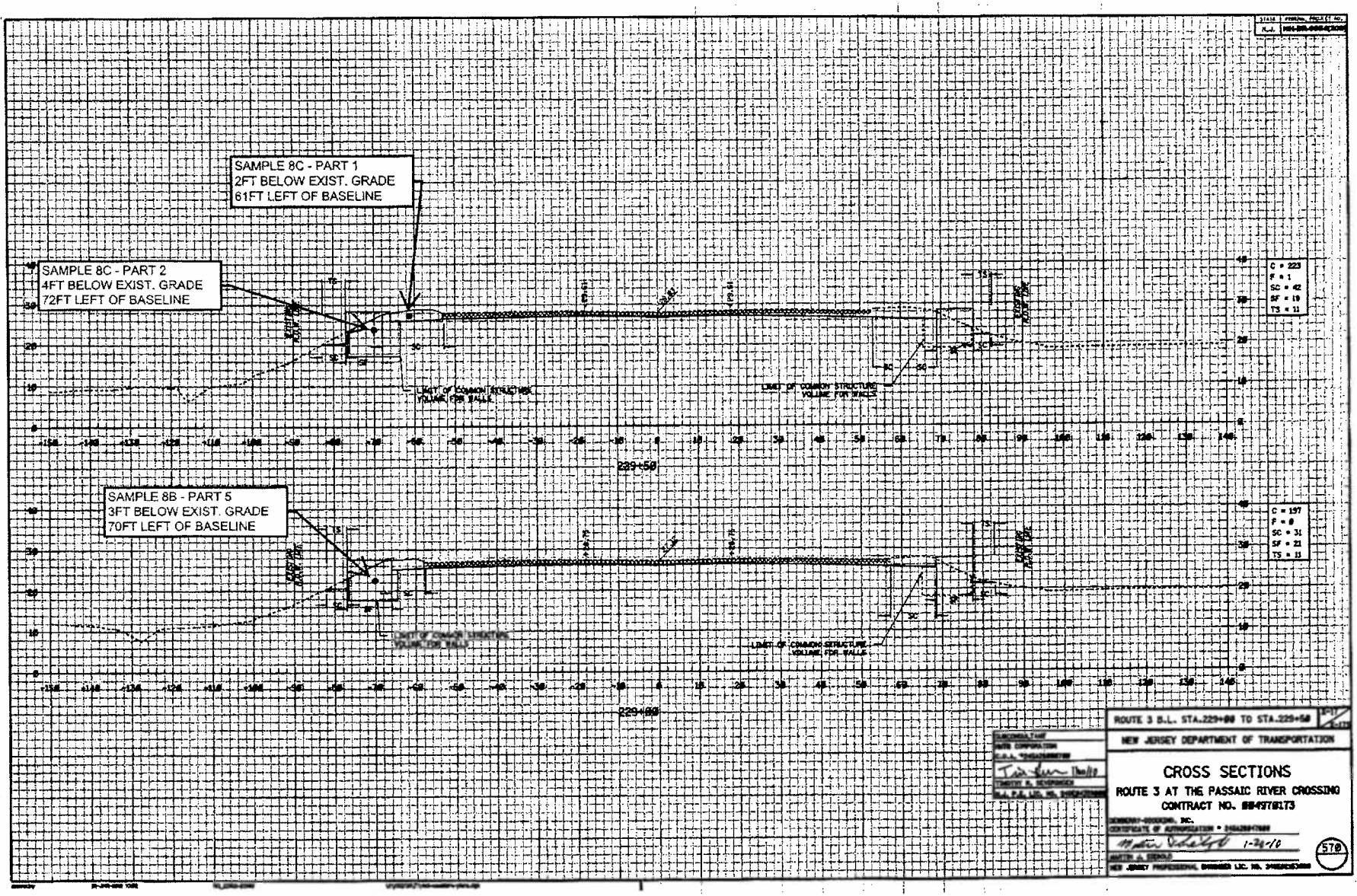
BRIDGE SHEET NO. B-388 OF B-457

Dewberry-Goodkind, Inc.
Bloomfield, N.J.

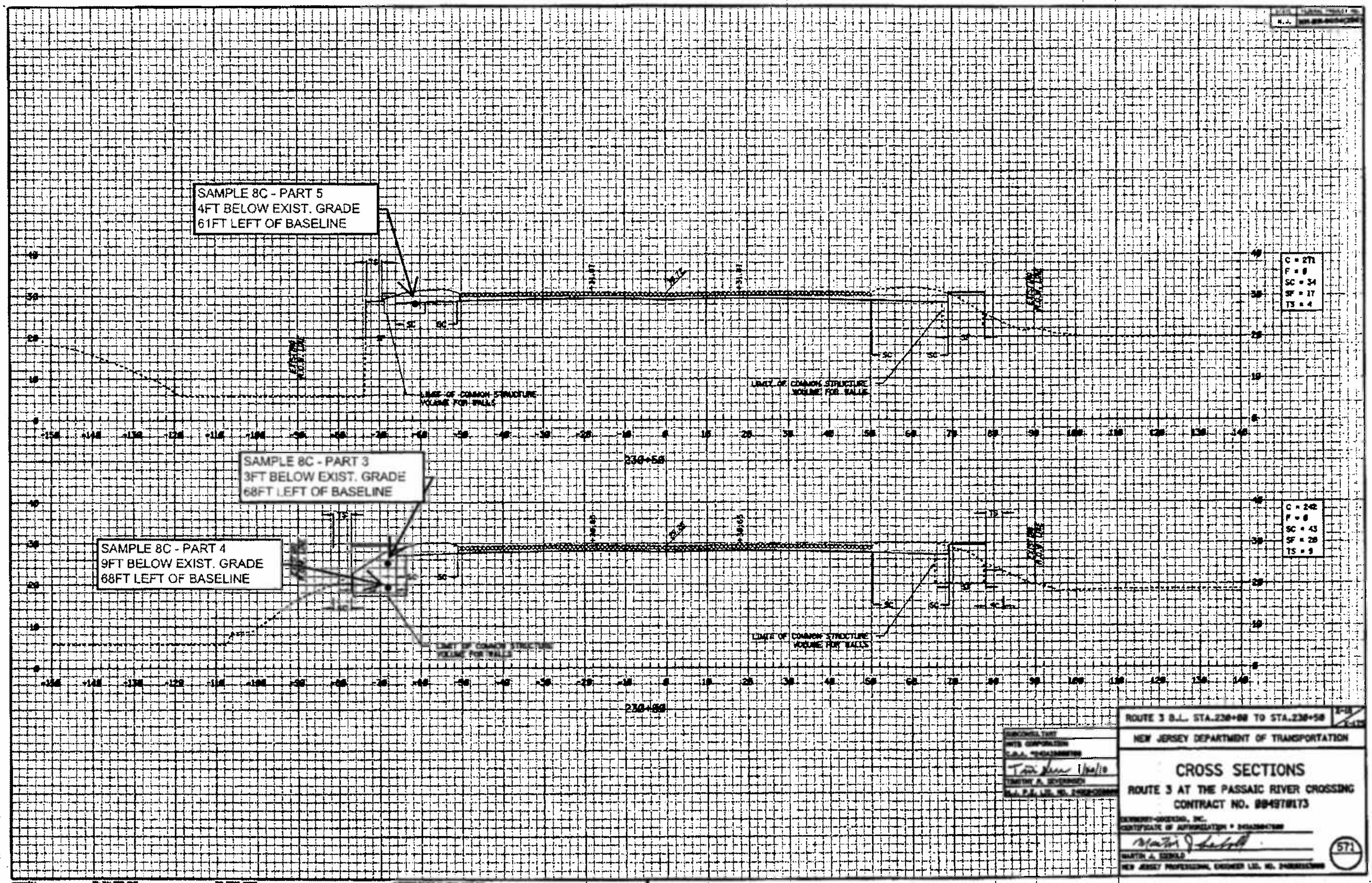

SAMPLE 8A - PART 5
2FT BELOW EXIST. GRADE
64FT LEFT OF BASELINE
SAMPLE 8A - PART 4
4FT BELOW EXIST. GRADE
74FT LEFT OF BASELINE
227+50
SAMPLE 8A - PART 3
4FT BELOW EXIST. GRADE
72FT LEFT OF BASELINE
227+00
SAMPLE 8A - PART 2
2FT BELOW EXIST. GRADE
68FT LEFT OF BASELINE
226+50
SAMPLE 8A - PART 1
2FT BELOW EXIST. GRADE
74FT LEFT OF BASELINE
LIMIT OF COMMON STRUCTURE VOLUME FOR WALLS
ROUTE 3 B.L. STA.226+50 TO STA.227+50
NEW JERSEY DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS
ROUTE 3 AT THE PASSAIC RIVER CROSSING
568
Dewberry-Goodkind, Inc.
Bloomfield, N.J.

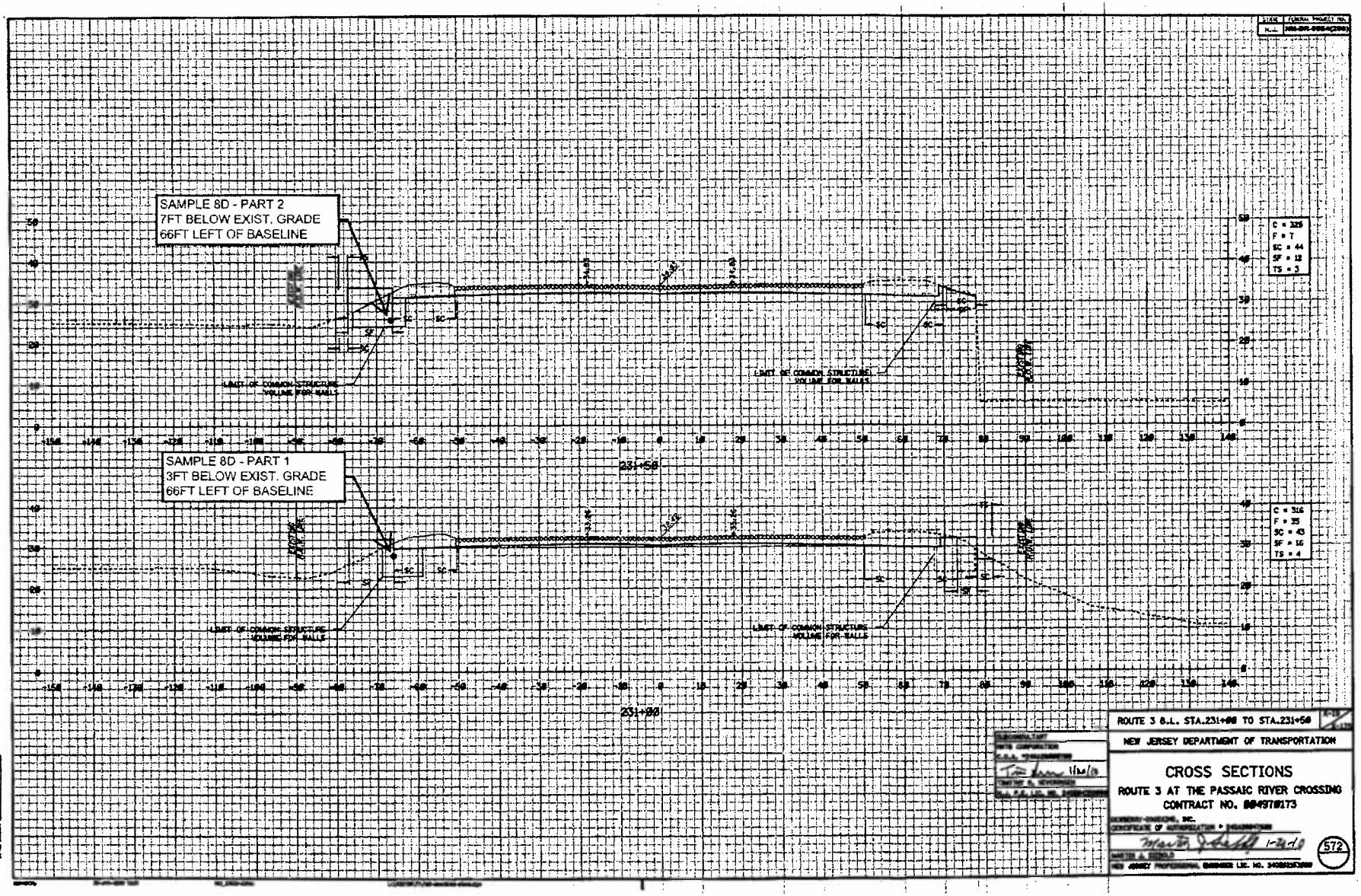


Dewberry-Goodkind, Inc.
Bloomfield, N.J.



Dewberry-Goodkind, Inc.
Bloomfield, N.J.





Dewberry-Goodkind, Inc.
Bloomfield, N.J.

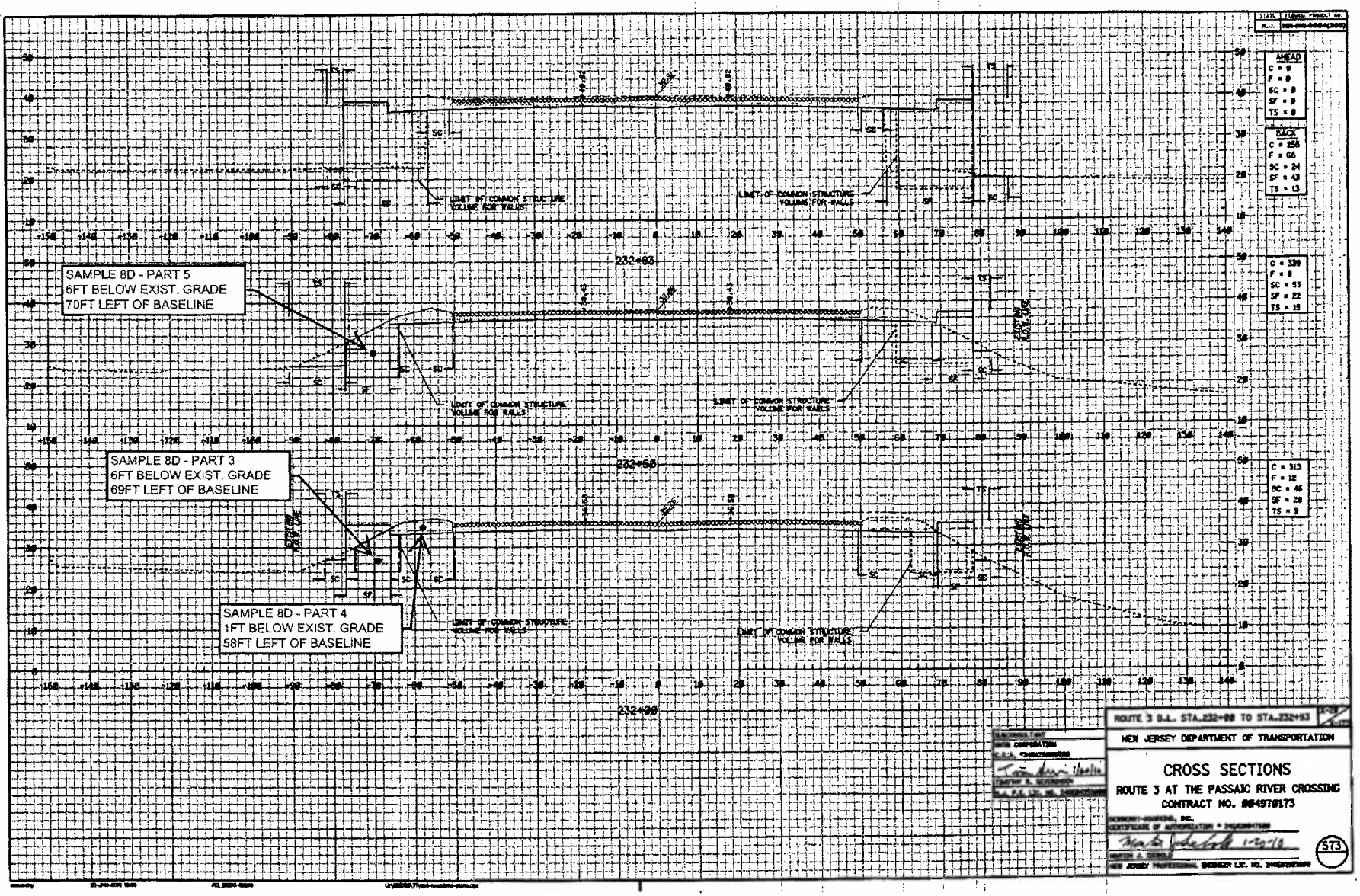
ROUTE 3 B.L. STA.231+00 TO STA.231+50

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

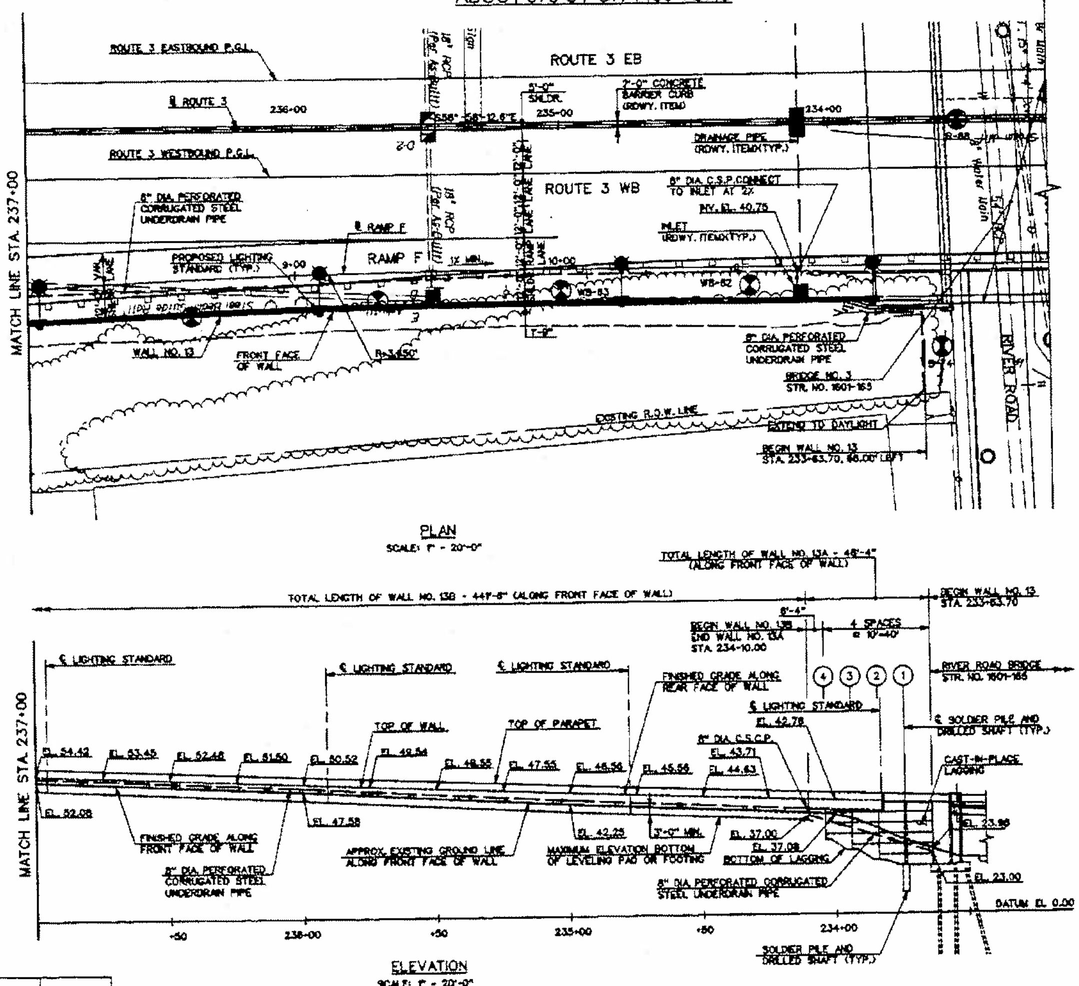
ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 8049T0173

572



Dewberry-Goodkind, Inc.
Bloomfield, N.J.

EXCESS SOIL SAMPLING PLAN #9
ABOUT 975 CY OR 1450 TONS



SAMPLING NOTES:

1. ONE 5-PART COMPOSITE SAMPLE WILL BE TAKEN FROM WALL NO. 13 COMMON STRUCTURE VOLUME. EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 975 CY.

2. SAMPLING TO BY PERFORMED BY AQUA-PRO TECH LABORTORIES FIELD TECH.

3. SAMPLING TECHNICIAN SHALL USE A STAINLESS STEEL SAMPLING SPATULA THAT WILL BE DECONTAMINATED BEFORE SAMPLING AND INBETWEEN SAMPLING AT EACH COMPOSITE AREA OR USE DURABLE TEFLON SPATULAS.

4. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #3.

5. SEE ATTACHED CROSS-SECTIONS FOR DETAILED LOCATIONS OF EACH SAMPLE.

STRUCTURE NAME: RETAINING WALL NO. 13

LEGEND:
- → DIRECTION OF TRAFFIC
- (2) SOLDIER PILE NUMBER

WALL NO. 13

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

GENERAL PLAN AND ELEVATION I

ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 004970173

CLIFTON CITY — PASSAIC COUNTY
RUTHERFORD BOROUGH — BERGEN COUNTY

DEWBERRY-GOODKIND, INC.

MARK J. SIBILLO

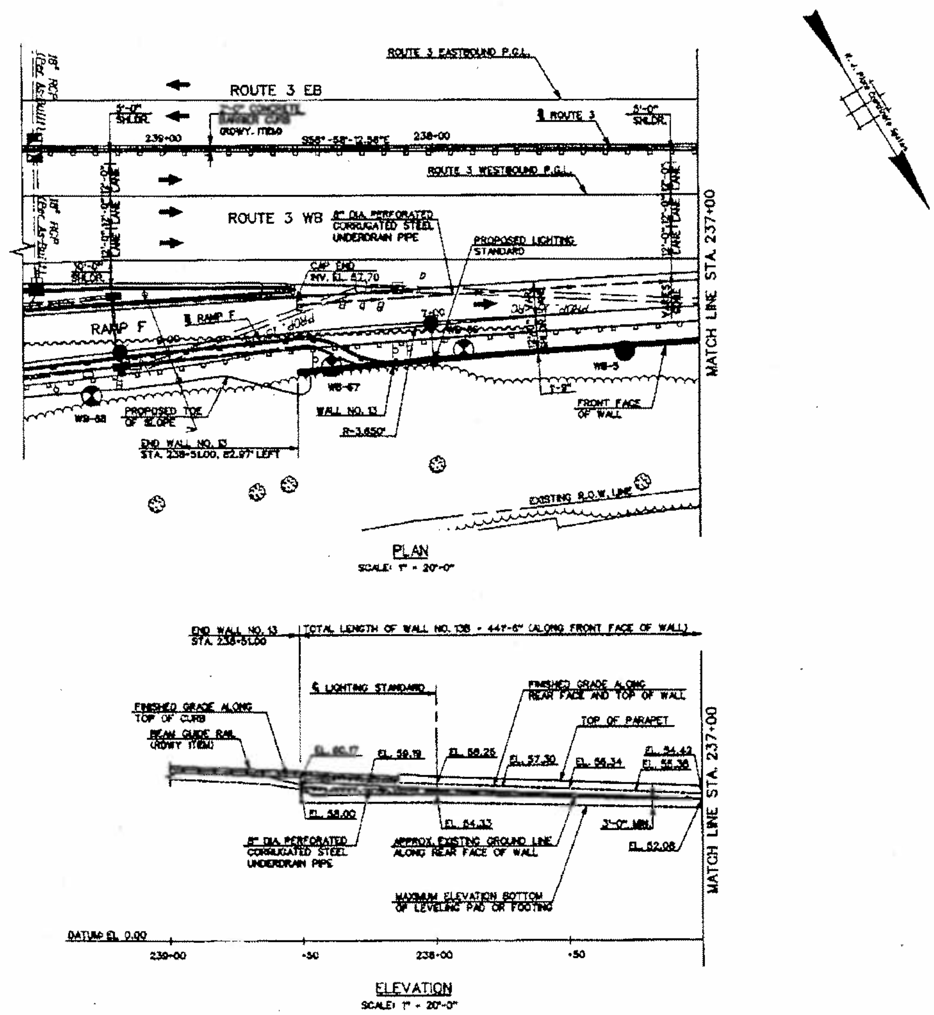
1142

SHEET NO. B-392 of B-487

CONTROL SECTION — JOB NO.
DES. R. GARCIA — CHK. BY J. GASS
DWN. R. SECRETO
IN CHARGE OF C. MERKEL

Dewberry-Goodkind, Inc.
Bloomfield, N.J.

STRUCTURE NAME
RETAINING WALL NO. 13



SAMPLING NOTES:

1. ONE 5-PART COMPOSITE SAMPLE WILL BE TAKEN FROM WALL NO. 13 COMMON STRUCTURE VOLUME. EQUATING TO APPROXIMATELY ONE 5-PART COMPOSITE PER 975 CY.

2. SAMPLING TO BY PERFORMED BY AQUA-PRO TECH LABORTORIES FIELD TECH.

3. SAMPLING TECHNICIAN SHALL USE A STAINLESS STEEL SAMPLING SPATULA THAT WILL BE DECONTAMINATED BEFORE SAMPLING AND INBETWEEN SAMPLING AT EACH COMPOSITE AREA OR USE DURABLE TEFLON SPATULAS.

4. MATERIAL WILL BE EXCAVATED VIA AN EXCAVATOR - PC400 OR SIMILAR. SAMPLING TECHNICAN WILL THEN TAKE A SAMPLE FROM THE MATERIAL WITHIN THE EXCAVATOR'S BUCKET IN ACCORDANCE WITH NOTE #3.

5. SEE ATTACHED CROSS-SECTIONS FOR DETAILED LOCATIONS OF EACH SAMPLE.

LEGEND:
→ DIRECTION OF TRAFFIC

1" = 20' — 20 0 20 40

WALL NO. 13

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

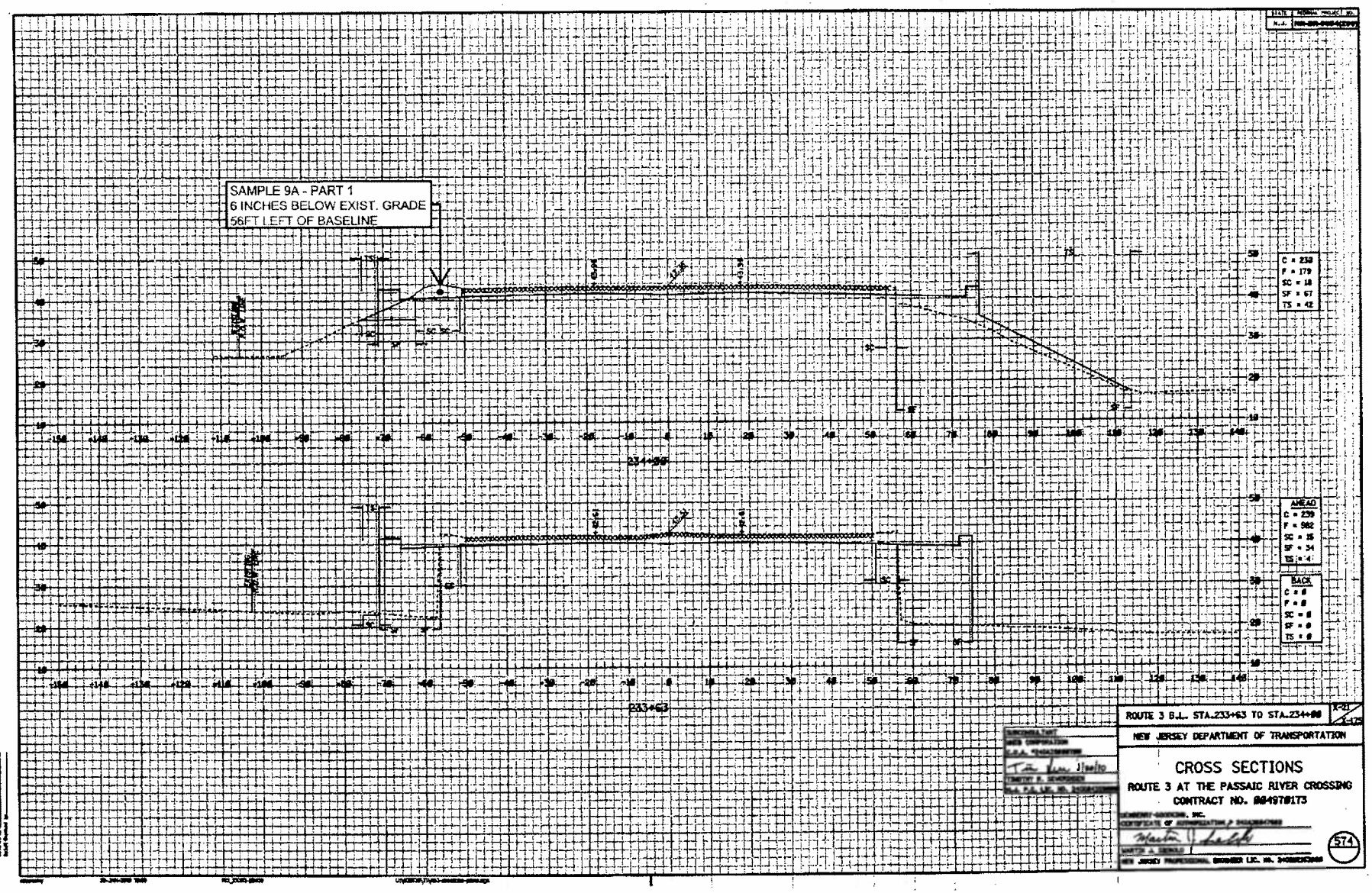
GENERAL PLAN AND ELEVATION II

ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 004970173

CLIFTON CITY — PASSAIC COUNTY
RUTHERFORD BOROUGH — BERGEN COUNTY

1143

Dewberry-Goodkind, Inc.
Bloomfield, N.J.



Dewberry-Goodkind, Inc.
Bloomfield, N.J.

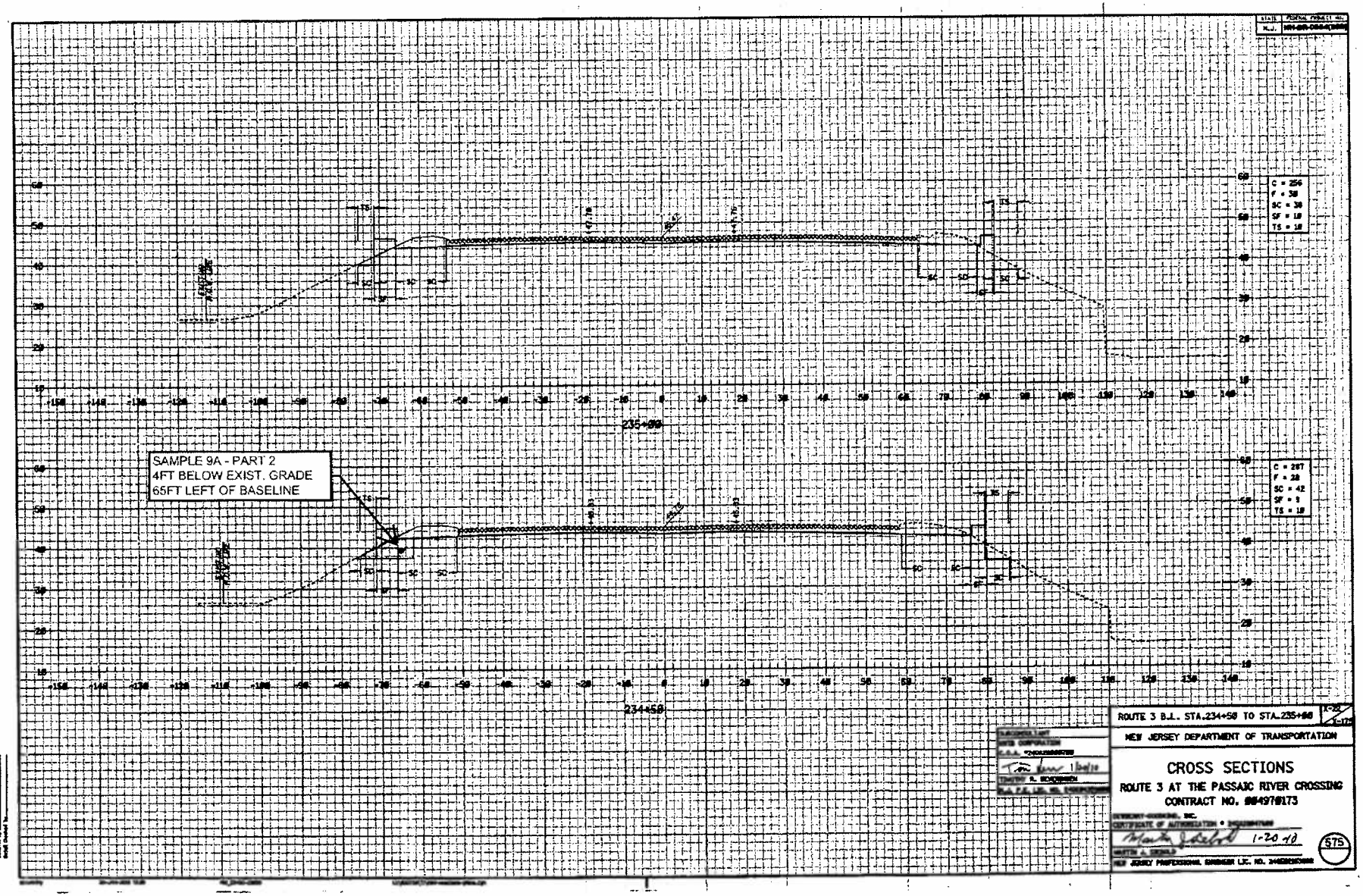
ROUTE 3 B.L. STA.233+63 TO STA.234+00

NEW JERSEY DEPARTMENT OF TRANSPORTATION

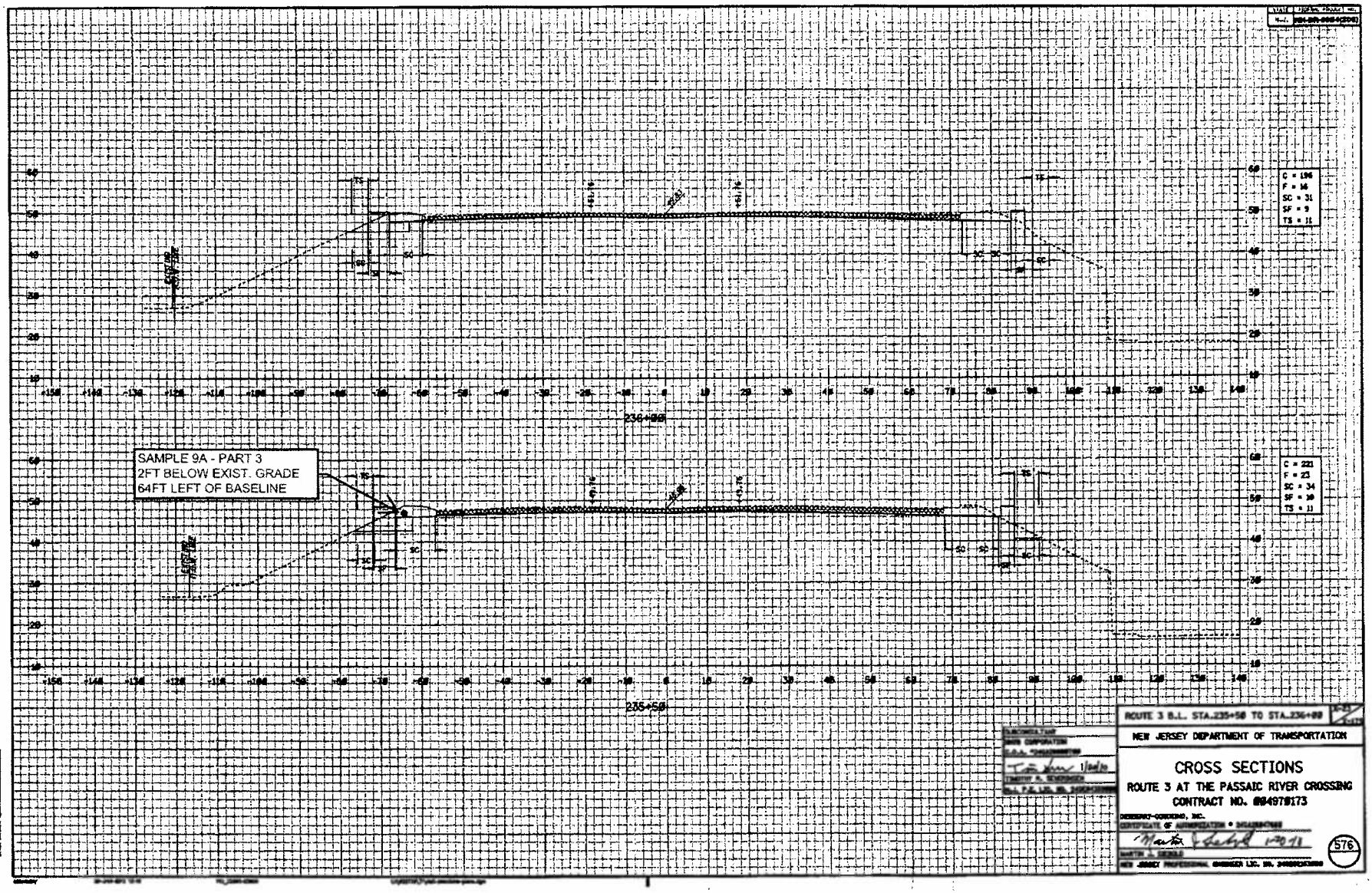
CROSS SECTIONS

ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 0049T0173

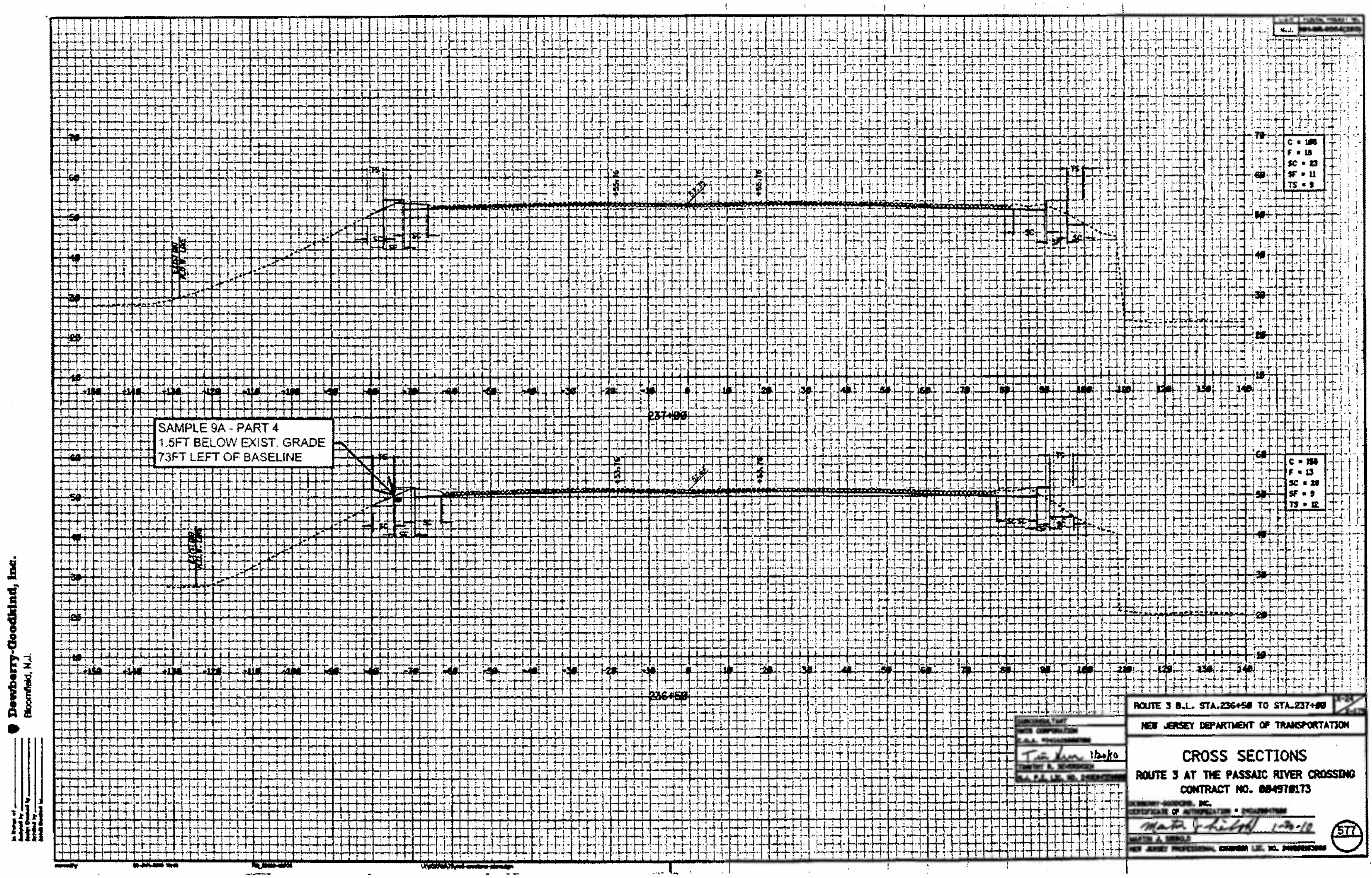
574



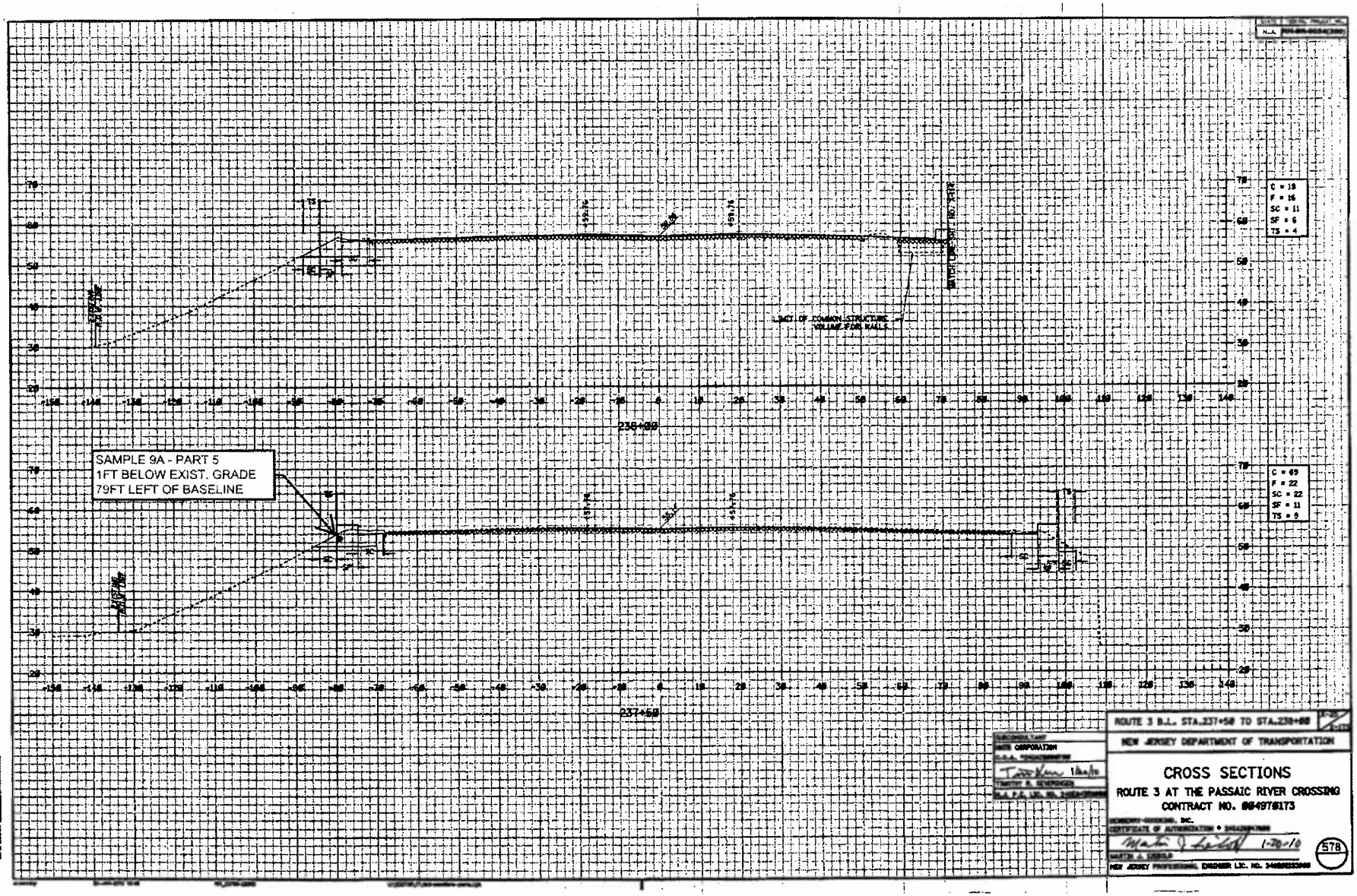
Dewberry-Goodkind, Inc.
Bloomfield, N.J.



Dewberry-Goodkind, Inc.
Bloomfield, N.J.



SAMPLE 9A - PART 4
1.5FT BELOW EXIST. GRADE
73FT LEFT OF BASELINE
237+00
236+50
C = 186
F = 18
SC = 23
SF = 11
TS = 9
C = 158
F = 13
SC = 28
SF = 9
TS = 12
ROUTE 3 B.L. STA.236+50 TO STA.237+00
NEW JERSEY DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS
ROUTE 3 AT THE PASSAIC RIVER CROSSING
CONTRACT NO. 004970173
577
Dewberry-Goodkind, Inc.
Bloomfield, N.J.



Dewberry-Goodkind, Inc.
Bloomfield, N.J.

APL

AQUA PRO-TECH LABORATORIES

www.aquaprotechlabs.com

1275 BLOOMFIELD AVENUE • BUILDING 6
FAIRFIELD, NEW JERSEY 07004

TEL: 973.227.0422
FAX: 973.227.2813

CHAIN OF CUSTODY

PAGE 1 OF 4

CLIENT: J Fletcher Creamer	SEND REPORT TO:
ADDRESS: 101 E. Broadway Hackensack NJ 07601	ADDRESS:
PHONE: 201-854-7309	PHONE:
E-MAIL: pcarnon@JFCSON.com	FAX:
PROJECT NAME: RT 3 West Clifton	SEND INVOICE TO:
PROJECT MGR: Pat Carnon	ADDRESS:
PROJECT or PO #:	SAMPLED BY: JG

CONTAMINATION LEVEL
☐ HIGH ☐ MEDIUM ☐ LOW

TURN-AROUND TIME
- ☐ APL STANDARD 2 weeks
- ☐ RUSH (choose one below)
  - ☐ 24 hr. date & time required
  - ☐ 48 hr. date & time required
  - ☐ 72 hr. date & time required
  - ☒ 1 week 7/20/12

REPORT FORMAT
- ☐ RESULTS ONLY
- ☐ NJ DEP REDUCED
- ☐ NJ DEP FULL
- ☐ STATE FORMS/E2 REPORTING

ELECTRONIC FORMAT
- ☐ EMAIL DELIVERY
- ☐ HAZSITE EDD
- ☐ EXCEL

SRP#
PWSID#

MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type: GRAB	Sample Type: COMP	Matrix	No. of Bottles	Preservative	Analysis Requested
12070509-001	9A	7/16/12	7:50 AM		X	S	1		TCL / TAL + 30, EPH 2
002	8D		8:23		X		1		
003	8C		8:59		X		1		
004	8B		9:28		X		1		
005	8A		9:51		X		1		
006	6A		10:24		X		1		
007	6B		11:00		X		1		
008	A		11:45		X		1		
009	B		12:20		X		1		

RELINQUISHED BY (Print)	DATE 7/16/12	RECEIVED BY (Print) John Gonzalez	
Signature	Time 6:00 PM	Signature John Gonzalez	
RELINQUISHED BY (Print) John Gonzalez	DATE 7/16/12	RECEIVED BY (Print)	
Signature John Gonzalez	Time 1:45 PM	Signature	
RELINQUISHED BY (Print)	DATE	RECEIVED BY (Print)	
Signature	Time	Signature	

COMMENTS/SPECIAL INSTRUCTIONS

Cooler Temp. upon receipt at lab _____

CERTIFICATIONS: NELAP (National Environmental Laboratory Accredation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634 CTPH #0233 US ARMY

By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples

APL
AQUA PRO-TECH LABORATORIES
www.aquaprotechlabs.com

1275 BLOOMFIELD AVENUE • BUILDING 6
FAIRFIELD, NEW JERSEY 07004

TEL: 973.227.0422
FAX: 973.227.2813

CHAIN OF CUSTODY

CLIENT: J FLETCHER CREAMER	SEND REPORT TO:
ADDRESS: 101 EAST BROADWAY HACKENSACK, NJ 07601	ADDRESS:
PHONE: 201 954-1309	PHONE:
E-MAIL: PCANNON@JFCSON.COM	FAX:
PROJECT NAME: RT 3 WEST CLIFTON	SEND INVOICE TO:
PROJECT MGR: PAT CANNON	ADDRESS:
PROJECT or PO #:	SAMPLED BY: JG

CONTAMINATION LEVEL
☐ HIGH ☐ MEDIUM ☐ LOW

TURN-AROUND TIME
- ☐ APL STANDARD 2 weeks
- ☐ RUSH (choose one below)
  - ☐ 24 hr. date & time required
  - ☐ 48 hr. date & time required
  - ☐ 72 hr. date & time required
  - ☒ 1 week 7/20/12

REPORT FORMAT
- ☐ RESULTS ONLY
- ☐ NJ DEP REDUCED
- ☐ NJ DEP FULL
- ☐ STATE FORMS/EZ REPORTING

ELECTRONIC FORMAT
- ☐ EMAIL DELIVERY
- ☐ HAZSITE EDD
- ☐ EXCEL

SRP#_____
PWSID#_____

MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type: GRAB	Sample Type: COMP	MATRIX	No. of Bottles	Preservative	Analysis Requested
12070609-010	C	7/16/12	10:25		X	S	1	NONE	TCL/TAL +30, EPA 2
✓ 011	D	1	12:02		X	S	1	NONE	

RELINQUISHED BY (Print)	DATE 7/16/12	RECEIVED BY (Print) John Gonzalez	
Signature	Time 1:00 PM	Signature John Gonzalez	
RELINQUISHED BY (Print) John Gonzalez	DATE 7/16/12	RECEIVED BY (Print)	
Signature John Gonzalez	Time 1:45 PM	Signature	
RELINQUISHED BY (Print)	DATE	RECEIVED BY (Print)	
Signature	Time	Signature	

COMMENTS/SPECIAL INSTRUCTIONS

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FAX: 973.227.2813

CHAIN OF CUSTODY

CLIENT: J. Fletcher Creamer	SEND REPORT TO:
ADDRESS: 101 E. Broadway Hackensack NJ 07601	ADDRESS:
PHONE: 201-954-7309	PHONE:
E-MAIL:	FAX:
PROJECT NAME: Rt 3 West Clifton	SEND INVOICE TO:
PROJECT MGR: Bob Cannon	ADDRESS:
PROJECT or PO #:	SAMPLED BY: JG

CONTAMINATION LEVEL
☐ HIGH ☐ MEDIUM ☐ LOW

TURN-AROUND TIME
☐ APL STANDARD 2 weeks
☐ RUSH (choose one below)
☐ 24 hr. date & time required
☐ 48 hr. date & time required
☐ 72 hr. date & time required
☒ 1 week 7/20/12 ✓

REPORT FORMAT
☐ RESULTS ONLY
☐ NJ DEP REDUCED DELIVERABLES
☐ NJ DEP FULL DELIVERABLES
☐ ELECTRONIC DATA DELIVERY
SRP#
☐ STATE FORMS/E2 REPORTING

MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type: GRAB	Sample Type: COMP	MATRIX	No. of Bottles	Preservative	Analysis Requested
12070609-012	9A Grab	7/16/12	7:50AM	↑		S		None	Discrete VO+10
013	8D	↓	8:23AM	↓		↓		↓	
014	8C	↓	8:59AM	↓		↓		↓	
015	8B	↓	9:28AM	↓		↓		↓	
016	8A	↓	9:51AM	↓		↓		↓	
017	6A	↓	10:29AM	↓		↓		↓	
018	6B	↓	11:00AM	↓		↓		↓	
019	A	↓	11:45AM	↓		↓		↓	
020	B	↓	12:20PM	↓		↓		↓	

RELINQUISHED BY (Print) Signature	DATE 7/16/12 Time 1:00PM	RECEIVED BY (Print) John Gonzalez Signature John Gonzalez
RELINQUISHED BY (Print) John Gonzalez Signature John Gonzalez	DATE 7/16/12 Time 1:45PM	RECEIVED BY (Print) [illegible] Signature [illegible]
RELINQUISHED BY (Print) Signature	DATE Time	RECEIVED BY (Print) Signature

COMMENTS/SPECIAL INSTRUCTIONS

Cooler Temp. upon receipt at lab ______

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E-MAIL:	FAX:
PROJECT NAME: Rt. 3 Clifton	SEND INVOICE TO:
PROJECT MGR: Pat Cannon	ADDRESS:
PROJECT or PO #:	SAMPLED BY: JG

CONTAMINATION LEVEL
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☐ RUSH (choose one below)
☐ 24 hr. date & time required
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SRP#
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MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type: GRAB	Sample Type: COMP	MATRIX	No. of Bottles	Preservative	Analysis Requested
12070609-021	C Grab	7/16/12	12:25PM	X		S		None	Discrete VO+10
022	D 1		12:02PM	X		S		None	

RELINQUISHED BY (Print)	DATE 7/16/12	RECEIVED BY (Print) John Gonzalez
Signature	Time 1:00PM	Signature John Gonzalez
RELINQUISHED BY (Print) John Gonzalez	DATE 7/16/12	RECEIVED BY (Print)
Signature John Gonzalez	Time 1:45PM	Signature
RELINQUISHED BY (Print)	DATE	RECEIVED BY (Print)
Signature	Time	Signature

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TIMES SAMPLES WERE TAKEN

Date: 11/4/12

#	Time	Location
1	7:50 AM	Well 13 9A
2	7:56 AM	9A
3	7:59 AM	9A
4	8:02 AM	9A
5	8:07 AM	9A
6	8:23 AM	8D
7	8:28 AM	8D
8	8:33	8D
9	8:40	8D
10	8:45	8D
11	8:59 AM	8C
12	9:10 AM	8C
13	9:12 AM	8C
14	9:18 AM	8C
15	9:21 AM	8C
16	9:28 AM	8B
17	9:35 AM	8B
18	9:37 AM	8B
19	9:43 AM	8B
20	9:45 AM	8B
21	9:51 AM	8A
22	9:53 AM	8A
23	9:57 AM	8A
24	10:02 AM	8A
25	10:04 AM	8A
26	10:24 AM	6-1A
27	10:32 AM	6-1A
28	10:41 AM	6-1A
29	10:43 AM	6-1A
30	10:52 AM	6-1A
31	11:00 AM	6-1B
32	11:07 AM	6-1B
32	11:09 AM	6-1B
34	11:16 AM	6-1B
35	11:22	6-1B
36	11:45 AM	A
37	11:49 AM	A
38	11:51 AM	A
39	11:54 AM	A
40	11:57 AM	A
41	12:02 AM 5	D
42	12:04 PM 4	D
45	12:07 PM 3	D
44	12:10 PM 2	D
45	12:14 PM 1	D
46	12:20 PM	B
47	12:30 PM	B
48	12:34 PM	B
49	12:37	B
50	12:42	B

S1 12:25 PM
S2 12:27 PM
S3 12:40
S4 12:45
S5 12:47

C