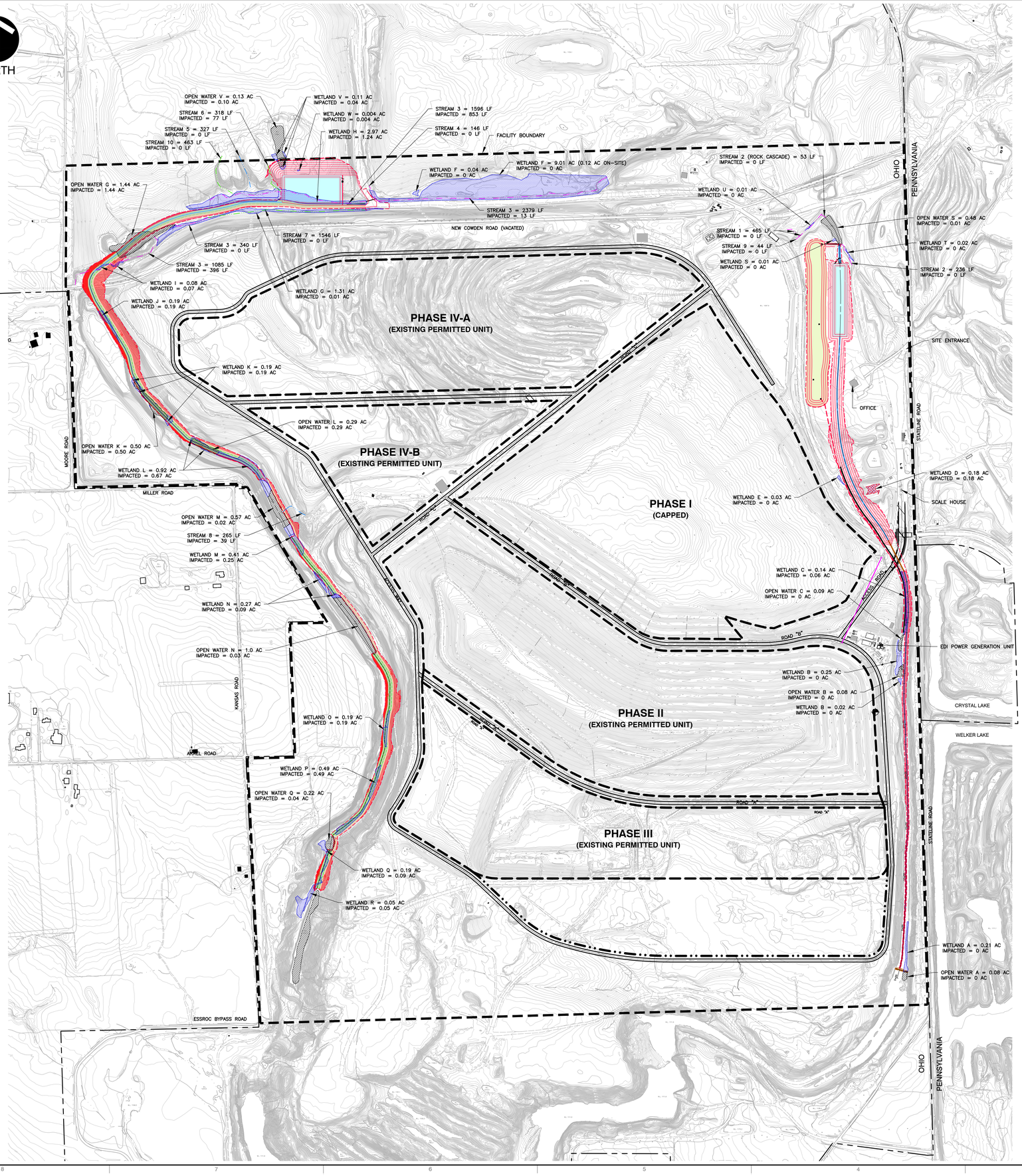

IMPACTED WETLANDS

WETLAND	ON-SITE AREA (ACRES)		USFWS[1] CLASSIFICATION
	TOTAL AREA (ACRES)	IMPACTED AREA (ACRES)	
A	0.21	0.00	PEM/OW
B	0.27	0.00	PEM/PSS/OW
C	0.14	0.06	PEM/PSS/OW
D	0.18[2]	0.18[2]	PEM/PSS
E	0.03	0.00	PEM
F	0.12	0.00	PEM/PSS
G	1.31	0.01	PEM/PSS/OW
H	2.97	1.24	PEM/PSS/OW
I	0.08	0.07	PEM/PSS/OW
J	0.19	0.19	PEM/PSS
K	0.19	0.19	PEM/PSS/OW
L	0.92	0.67	PEM/PSS/OW
M	0.41	0.25	PEM/PSS/OW
N	0.27	0.09	PEM/OW
O	0.19	0.19	PEM
P	0.49	0.49	PEM/PSS
Q	0.19	0.09	PEM/OW
R	0.05	0.05	PEM/PSS
S	0.01	0.00	PEM/OW
T	0.02	0.00	PEM
U	0.01	0.00	PEM
V	0.05	0.04	PEM/PSS/OW
W	0.004	0.004	PEM
TOTAL	8.30	3.81	

1. BASED ON COWARDIAN AND COWORKERS, 1979. OW-OPEN WATER, P-PALUSTRINE, EM-EMERGENTS, SS-SCRUB SHRUB.
2. INCLUDES AN ESTIMATED 0.18 ACRE OF WETLAND PREVIOUSLY IMPACTED BY INADVERTENT FILL FROM LANDFILL OPERATIONS.

IMPACTED STREAMS

STREAM	ON-SITE LENGTH (LINEAR FEET)		CLASSIFICATION
	TOTAL LENGTH	IMPACTED LENGTH	
1	509	0	PERENNIAL
2	289	0	PERENNIAL
3	3,109	1,262	PERENNIAL
4	65	0	PERENNIAL
5	N/A	0	EPHEMERAL
6	221	77	INTERMITTENT
7	1,546	0	INTERMITTENT
8	58	39	EPHEMERAL
9	44	0	PERENNIAL
10	5	0	INTERMITTENT
TOTAL	5,846	1,378	
TOTAL	4,016	1,262	PERENNIAL
TOTAL	58	39	EPHEMERAL
TOTAL	1,772	77	INTERMITTENT

IMPACTED OPEN WATER

OPEN WATER	ON-SITE AREA (ACRES)	
	TOTAL AREA (ACRES)	IMPACTED AREA (ACRES)
A	0.08	0.00
B	0.08	0.00
C	0.09	0.00
G	1.44	1.44
K	0.50	0.50
L	0.29	0.29
M	0.57	0.02
N	1.00	0.03
Q	0.22	0.04
S	0.48	0.01
V	0.13	0.10
TOTAL	4.88	2.43

REVISION RECORD

NO	DATE	DESCRIPTION

SUBMITTAL RECORD

NO	DATE	DESCRIPTION

LEGEND

- 1120 — EXISTING GROUND CONTOUR
- PROPERTY LINE
- FACILITY BOUNDARY
- PERMITTED LIMIT OF SOLID WASTE PLACEMENT
- EXISTING WETLAND
- PREVIOUSLY IMPACTED WETLAND
- EXISTING EPHEMERAL STREAM
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING OPEN WATER
- 1120 — PROPOSED PASSIVE DRAINAGE SYSTEM CONTOUR
- PROPOSED PASSIVE DRAINAGE ALIGNMENT
- PROPOSED PASSIVE DRAINAGE SYSTEM ACCESS ROAD
- PROPOSED SEDIMENTATION POND
- PROPOSED WETLAND TREATMENT AREA

REFERENCE

EXISTING TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO; DATE OF AERIAL FLYOVER FEBRUARY 3, 2012.

SCALE IN FEET
0 400 800

* HAND SIGNATURE ON FILE

Civil & Environmental Consultants, Inc.
333 Baldwin Road - Pittsburgh, PA 15205
Ph: 412.429.2324 - 800.365.2324 - Fax: 412.429.2114
www.cecinc.com

REPUBLIC SERVICES, INC.
PASSIVE DRAINAGE SYSTEM
CARBON LIMESTONE LANDFILL
MAHONING COUNTY, OHIO

DRAWN BY:	PAB	CHECKED BY:	WWT	APPROVED BY:	MRH *
DATE:	4/16/12	DWG SCALE:	1"=400'	PROJECT NO:	111-546.0003

ALTERNATIVE 2 - PROPOSED SITE PLAN
MINIMUM DEGRADATION ALTERNATIVE

DRAWING NO.: **3**

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