LEGEND

LIMITS OF SURVEY	————
COURT YARD AREA	CY
SOUTHERN AREA	SA
SHEET PILE WALL	SPW
EXISTING GRADE	XG
SUB-GRADE	SG
FINAL GRADE	FG
WATER SURFACE ELEVATION	WSE

REFERENCE PLANS

1. PLANS ENTITLED "UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 3, REVISED REMEDIAL DESIGN, METAL BANK SITE, PHILADELPHIA, PENNSYLVANIA" SHEETS 1 THRU 49, PREPARED BY: AMEC EARTH & ENVIRONMENTAL, INC., PLYMOUTH MEETING, PA, DATED: 11/09/2007 & 4/04/2008.

2. PLAN ENTITLED "HYDROGRAPHIC SURVEY, METAL BANK NPL SITE, PRE-EXCAVATION SURVEY, SITUATED IN CITY OF PHILADELPHIA, PHILADELPHIA COUNTY, PENNSYLVANIA", PREPARED BY: LGA ENGINEERING, INC., LAKEWOOD, NJ, DATED: 9/08/2008.

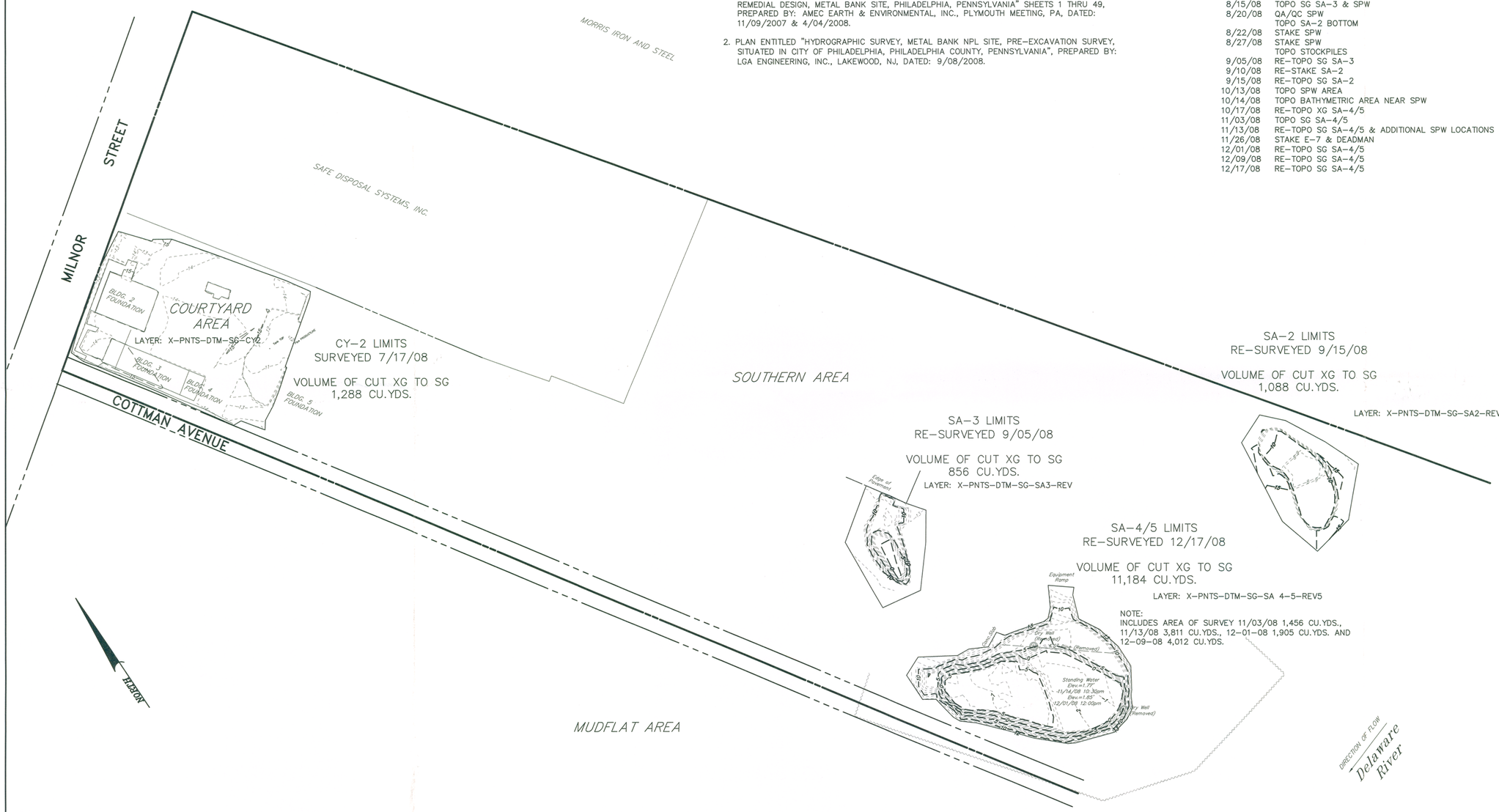
GENERAL NOTES

1) PROJECT COORDINATE SYSTEM
HORIZONTAL: PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SPCS) NORTH AMERICAN DATUM 1983 (NAD 83).
VERTICAL: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).

2) RETTEW ASSOCIATES TIED INTO EXISTING CONTROL PROVIDED BY THE CLIENT AND PERFORMED A TOPOGRAPHIC SURVEY OF EXISTING CONDITIONS AS STATED BELOW.

2) HISTORY OF FIELD WORK:

7/10/08	STAKE CY-1 & CY-2; STAKE SA-4/5
	TOPO XG CY-1 & CY-2; TOPO XG SA-4/5
7/14/08	STAKE SA-2 & SA-3
	TOPO XG SA-2 & SA-3
	TOPO SG CY-1 & PORTION OF CY-2
7/17/08	TOPO SG REMAINDER OF CY-2
	STAKE SPW
7/24/08	TOPO XG SPW
8/13/08	STAKE SA-3
	TOPO SG SA-2
8/15/08	TOPO SG SA-3 & SPW
8/20/08	QA/QC SPW
	TOPO SA-2 BOTTOM
8/22/08	STAKE SPW
8/27/08	STAKE SPW
	TOPO STOCKPILES
9/05/08	RE-TOPO SG SA-3
9/10/08	RE-STAKE SA-2
9/15/08	RE-TOPO SG SA-2
10/13/08	TOPO SPW AREA
10/14/08	TOPO BATHYMETRIC AREA NEAR SPW
10/17/08	RE-TOPO XG SA-4/5
11/03/08	TOPO SG SA-4/5
11/13/08	RE-TOPO SG SA-4/5 & ADDITIONAL SPW LOCATIONS
11/26/08	STAKE E-7 & DEADMAN
12/01/08	RE-TOPO SG SA-4/5
12/09/08	RE-TOPO SG SA-4/5
12/17/08	RE-TOPO SG SA-4/5



LEGEND

DRY WELL ⓦ

CERTIFICATION STATEMENT

BY THIS SUBMITTAL, I HEREBY REPRESENT THAT I HAVE DETERMINED AND VERIFIED ALL FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, DIMENSIONS, CATALOG NUMBERS AND SIMILAR DATA AND I HAVE CHECKED AND COORDINATED EACH ITEM WITH OTHER APPLICABLE APPROVED SHOP DRAWINGS AND CONTRACT REQUIREMENTS.

12/23/08

DAVID L. JENSEN, PLS NO. SU075123, FOR RETTEW ASSOCIATES, INC.

NO.	DATE	REVISION
11	12/18/08	ADD RE-TOPO SUB-GRADE SA-4/5
10	12/02/08	ADD RE-TOPO SUB-GRADE SA-4/5
9	11/13/08	ADD RE-TOPO SUB-GRADE SA-4/5 & SPW LOC
8	11/04/08	ADDED TOPO SUB-GRADE SA-4/5
7	10/31/08	RE-RAN BATH. SURFACE WITH ADDITIONAL PNTS
6	10/17/08	ADDED RE-TOPO XG SA-4/5 & TOPO BATH.
5	9/17/08	ADDED RE-TOPO SUB-GRADE SA-2
4	9/08/08	ADDED RE-TOPO SUB-GRADE SA-3
3	9/04/08	ADDED SUB-GRADE EXCAVATIONS TO SHEET 3
2	8/29/08	ADDED TOPO BOTTOM SG SA-2, & STOCKPILES
1	8/19/08	ADDED TOPO SG SA-2, SA-3, & SPW

FOR RETTEW ASSOCIATES BY:

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DAVID LAWRENCE JENSEN SU075123 SURVEYOR

MANAGER: DLJ
DESIGN BY: CHKD BY:
SURV. CHIEF: MBS FIELDBOOK NO. DATA COLLECTOR
DRAWN BY: JDC CHKD BY:
XREFS: 08-01987-002-Title Block
DRAWING REFERENCE: Q:\08\08-01987-002\CAD\08-01987-002-Adose.dwg

CLIENT
Tetra Tech EC, Inc.
1000 The American Rd.
Morris Plains, NJ 07950

SCALE 1"=60' 0 30' 60' 120' 180'

RETTEW
RETTEW Associates, Inc.
223 Windgate Drive, Chester Springs, PA 19425
Phone (610) 458-7000 · Fax (610) 458-3273
Email: rettew@rettew.com
Website: www.rettew.com
Engineers • Planners • Surveyors • Landscape Architects
Environmental Consultants

TOPOGRAPHIC SURVEY
SUB-GRADE
AFTER EXCAVATION
METAL BANK NPL SITE
PHILADELPHIA PENNSYLVANIA

DATE: 8/05/2008
SHEET NO. 2 OF 9
DWG. NO. 08-01987-002

NOT FOR CONSTRUCTION/NOT FOR BIDDING

E091 1 of 3