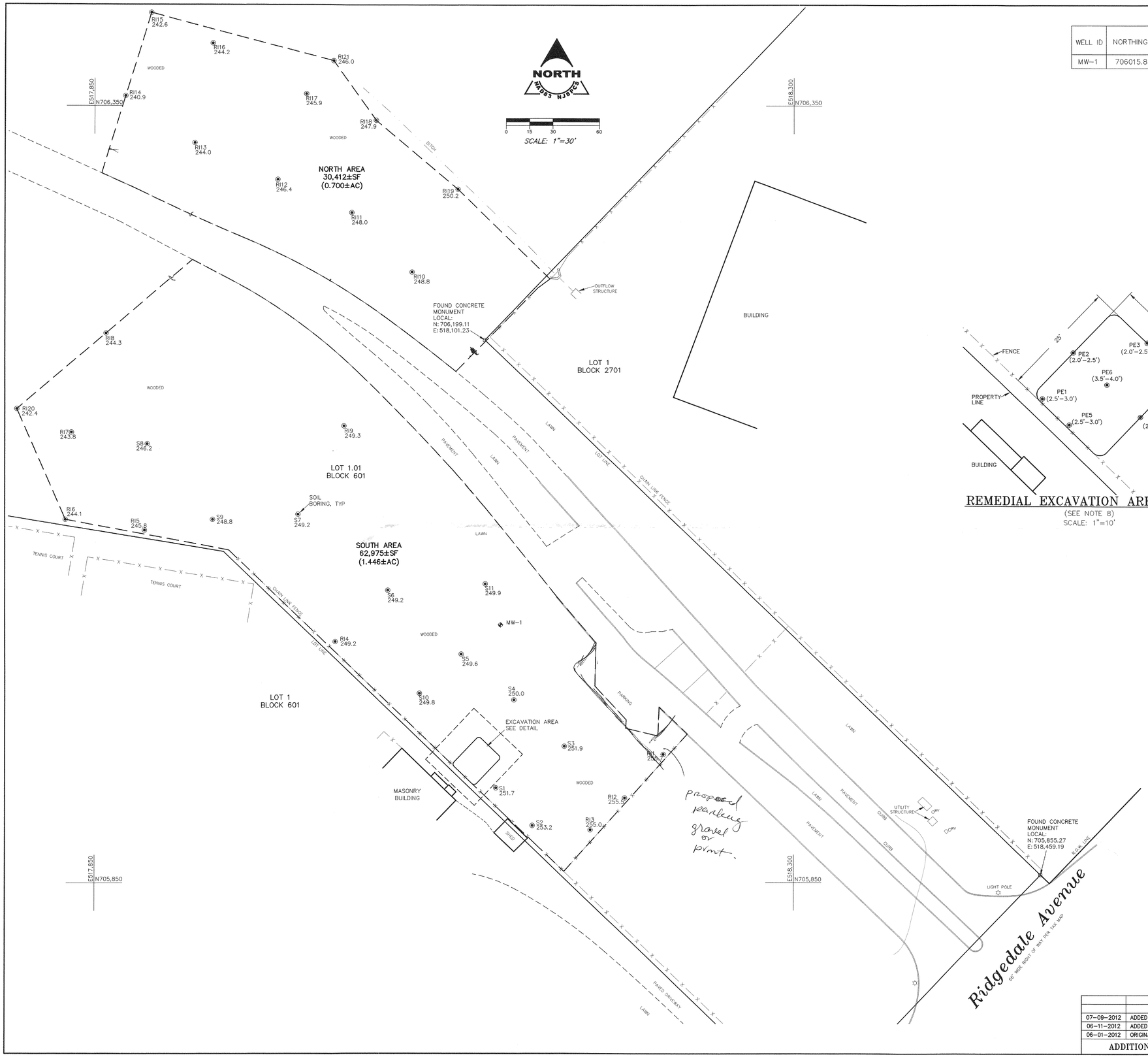
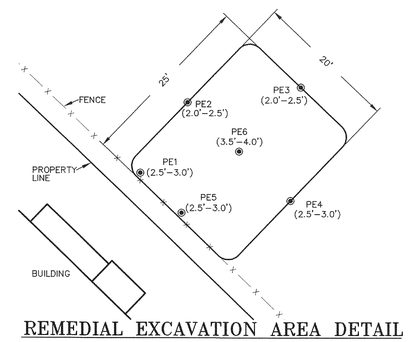


WELL ID	NORTHING	EASTING	INNER CASING ELEV	OUTER CASING ELEV	GROUND ELEV
MW-1	706015.8	518111.5	250.13	250.41	250.4



REMEDIAL EXCAVATION AREA DETAIL

(SEE NOTE 8)
SCALE: 1"=10'

SOIL SAMPLE LOCATION SUMMARY

SAMPLE	NORTHING	EASTING	ELEV	SAMPLE DATE*	DEPTH *	PPM *	SPLP PPM*	SOIL PH*
RI1	705932.5	518216.2	255.7	2/22/12	0-0.5'	5		
RI2	705904.5	518191.4	255.5	2/22/12	0-0.5'	10		
RI3	705884.0	518169.3	255.0	2/22/12	0-0.5'	17		
RI4	706005.1	518005.0	249.2	2/22/12	0-0.5'	12		
RI5	706076.9	517882.2	245.8	2/22/12	0-0.5'	12		
RI6	706084.0	517831.3	244.1	2/22/12	0-0.5'	18.9		
RI7	706140.0	517835.3	243.8	2/22/12	0-0.5'	30		
RI8	706203.8	517857.5	244.3	2/22/12	0-0.5'	9		
RI9	706143.7	518010.6	249.3	2/22/12	0-0.5'	31		
RI9B				2/29/12	2-2.5'	18		
RI9C				2/29/12	3.5-4'	3		
RI10	706242.8	518054.3	248.8	2/22/12	0-0.5'	37		
RI10B				2/29/12	2-2.5'	6		
RI10C				2/22/12	3.5-4'	2		
RI11	706281.2	518015.4	248.0	2/22/12	0-0.5'	35		
RI12	706302.6	517967.7	246.4	2/22/12		22		
RI13	706326.3	517914.4	244.0	2/22/12	0-0.5'	27		
RI14	706356.6	517869.8	240.9	2/29/12	0-0.5'	7		
RI15	706409.9	517886.2	242.6	2/29/12	0-0.5'	5		
RI16	706390.6	517925.8	244.2	2/29/12	0-0.5'	7		
RI17	706357.8	517986.1	245.9	2/29/12	0-0.5'	60		
RI18	706340.5	518031.1	247.9	2/29/12	0-0.5'	9		
RI19	706296.2	518083.8	250.2	2/29/12	0-0.5'	6		
RI20	706155.1	517800.1	242.4	2/29/12	0-0.5'	17		
RI21	706379.2	518003.6	246.0	3/09/12	0-0.5'	9		
S1	705911.0	518108.5	251.7	1/24/12	0.5-1'	26		
S2	705886.8	518132.0	253.2	1/24/12	0.5-1'	172	0.23	5.88
S2B				2/29/12	2-2.5'	34		
S2C				2/29/12	3.5-4'	2		
S3	705937.7	518152.6	251.9	1/24/12	0.5-1'	14		
S4	705967.5	518120.1	250.0	1/24/12	1-1.5'	117	0.179	6.69
S4B				2/29/12	2-2.5'	28		
S4C				2/29/12	3.5-4'	2		
S5	705996.9	518086.2	249.6	1/24/12	1-1.5'	15		
S6	706038.2	518038.9	249.2	1/24/12	0.5-1'	50		
S6B				2/29/12	2-2.5'	4		
S6C				2/29/12	3.5-4'	2		
S7	706087.0	517981.0	249.2	1/24/12	0.5-1'	23		
S8	706132.4	517884.0	246.2	1/24/12	1-1.5'	3		
S9	706083.8	517926.0	248.8	1/24/12	1-1.5'	41		
S9B				2/29/12	2-2.5'	3		
S9C				2/29/12	3.5-4'	3		
S10	705971.8	518059.3	249.8	1/24/12	1-1.5'	78	0.188	6.03
S11	706042.2	518101.6	249.9	1/24/12	1-1.5'	52		

* ITEMS IN TABLE PROVIDED BY PK ENVIRONMENTAL

NOTES:

1. THE HORIZONTAL DATUM IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 DETERMINED BY DIFFERENTIAL GPS ON MAY 7, 2012 USING THE NGS CORS NETWORK.

2. THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) GEOID09, DETERMINED BY DIFFERENTIAL GPS OBSERVATIONS FROM THE NGS CORS NETWORK ON MAY 7, 2012. BENCHMARK REFERENCE STATION: NJMT, (ORTHOMETRIC HEIGHT=439.5142').

3. THIS BASE MAP DEPICTS LIMITED PHYSICAL IMPROVEMENTS AS THEY EXISTED ON MAY 7, 2012 IN THE AREA OF THE EXISTING GROUNDWATER MONITORING WELLS. NO ATTEMPT HAS BEEN MADE TO DETERMINE THE LOCATION OF PROPERTY LINES, EASEMENTS OR RIGHT-OF-WAY LINES.

4. ALL COORDINATES AND ELEVATIONS SHOWN HEREON ARE IN U.S. SURVEY FEET.

5. THE UTILITIES SHOWN HAVE BEEN LOCATED FROM EVIDENCE OBSERVED ON THE SURFACE ONLY. THE SURVEYOR MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

6. THE SOIL SAMPLES HAVE BEEN MARKED IN THE FIELD BY PK ENVIRONMENTAL AND LOCATED BY BORBAS SURVEYING AND MAPPING L.L.C. ON MAY 7, 2012.

7. SAMPLE DATA IN THE CHART IS TAKEN FROM A TABLE PROVIDED BY PK ENVIRONMENTAL. SAMPLES PE-1 THROUGH PE-6 ARE NOT SHOWN ON THIS TABLE, AS BORBAS SURVEYING AND MAPPING HAS NOT LOCATED THOSE POINTS.

8. LOCATION OF REMEDIAL EXCAVATION AREA IS APPROXIMATE AND IS BASED ON A SKETCH PROVIDED BY P.K. ENVIRONMENTAL, DATED 6/28/2012.

REMEDIAL INVESTIGATION/REMEDIAL ACTION MAP
LOT 1.01 BLOCK 601
BOROUGH OF MADISON
MORRIS COUNTY, NEW JERSEY

BORBAS SURVEYING & MAPPING, LLC
402 MAIN STREET, BOONTON, NEW JERSEY 07005
Phone (973) 316-8743 Fax (973) 402-6627 www.borbas.com
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28056200
Environmental Site Mapping ○ Hazardous Materials and Waste Surveys
Aerial Control and GPS Surveys ○ Topographic and Existing Condition Surveys
Remote Sensing and GIS ○ Hydrographic/Bathymetric Surveys ○ ALTA/ACSM Certified Surveys
Transportation and Right of Way Surveys ○ Deformation and Structure Monitoring Surveys

		SCALE: AS SHOWN
		SHEET NO.: 1 OF 1
07-09-2012	ADDED LOT #'S, EXCAVATION AREA	FIELD BOOK: 2011-4/135
06-11-2012	ADDED NORTH/SOUTH AREAS	JOB NO.: 080801
06-01-2012	ORIGINAL ISSUE	PROJECT NAME: 080801_ENVIRONMENTAL
ADDITIONS AND UPDATES		DRAWING NO.: 080801_SAMPLES-WELL_2012-07-09

J. PETER BORBAS
NJ PROFESSIONAL LAND SURVEYOR 24GS03165300 PROFESSIONAL PLANNER 3884

Date: JULY 9, 2012

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