

APPENDIX E

WELL ABANDONMENT DOCUMENTATION

1. Moretrench 08/24/05 letter to NYSDEC RE: Decommissioning GW wells
2. Moretrench hand drawn figure of well locations
3. Well decommissioning records (Well IDs: 1N and 2S)



Moretrench American Corporation

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MORETRENCH

Since 1931.....

August 24, 2005

New York State Environmental Conservation

Remediation and Spill

1 Hunter's Point Plaza

Long Island City, New York 11101-5407

Attention: Mr. Amar Nagi

Regarding: Decommissioning a Groundwater Monitoring Well.

Dear Amar,

We have decommissioned two monitoring wells located at 600 West 42nd Street and 11th Avenue. One well was overdrilled with a hollow stem auger, next the well casing was pulled (all well casing was retrieved), and finally as the hollow stem auger bit was extracted and the hole was tremie grouted to within five feet of the surface. The other monitoring well was tremie grouted in place because of a concrete slab around it. Attached you will find monitoring well locations and the well decommissioning records.

Should you have any questions, or require any additional information, please do not hesitate to contact us. Thank you very much for your time.

Very truly yours,

MORETRENCH AMERICAN CORPORATION

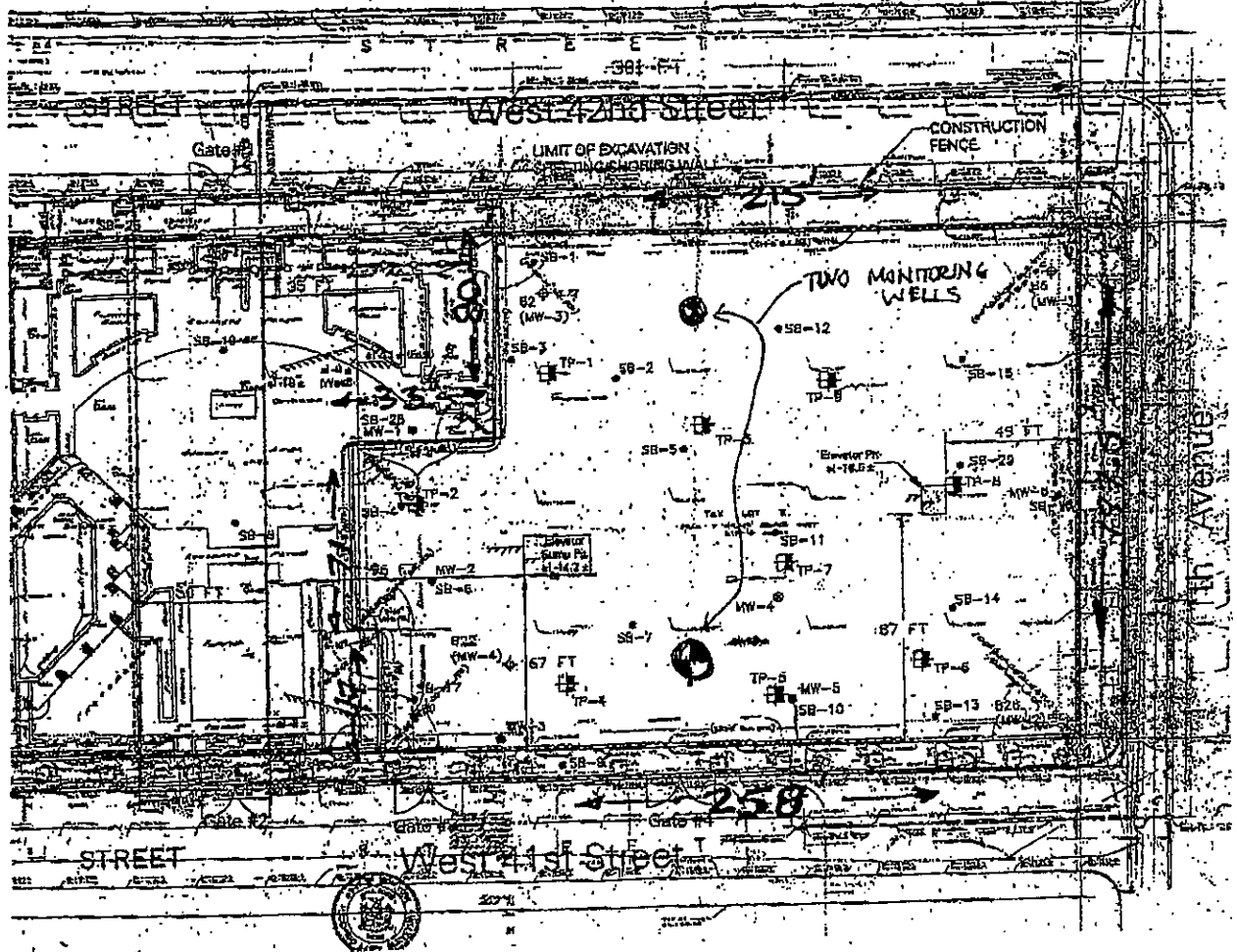


Karl M. Korfmann

MORETRENCH SERVICES

- DEWATERING
- GROUND FREEZING
- GROUNDWATER REMEDIATION
- TIEBACKS
- SHEETING
- SOIL NAILING
- BORED PILES & SHAFTS
- CUTOFF
- CONTAINMENT WALLS
- INDUSTRIAL INFRASTRUCTURE
- LANDFILL GAS
- LEACHATE SYSTEMS
- MINIPILES
- EARTH RETENTION

BOTTOM OF EXCAVATION PLAN



LEGEND:

- LIMITS OF EXCAVATION FOR SITE INVESTIGATION. EXCAVATION LIMITS ARE IDENTICAL TO THE PROPERTY LINE ON THE NORTH, SOUTH, AND EAST SIDES OF THE SITE.
- INDICATE THE UNIFORM BOTTOM OF EXCAVATION AT THE COMPLETION OF EXCAVATION. IN BROWN ON DRAWING ONLY, STEP 2.
- INDICATES SLOPE GRADE FOR BOTTOM OF EXCAVATION.
- PILING LOCATIONS
- TEST PIT LOCATIONS
- MONITORING WELL LOCATIONS

WELL DECOMMISSIONING RECORD NYSDEC NPL Sites

Site Name: <u>WEST 42ND RIVER PLACE II</u>	Well I.D.: <u>1N</u>
Site Location: <u>600 WEST 42ND STREET & 11TH AVE</u>	Driller: <u>VINCENT MITCHELL</u>
Drilling Co.: <u>MORETRENCH AMERICAN CORPORATION</u>	Inspector: <u>STEPHEN SELLINGER</u>
Date: <u>07/25/05</u>	

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING -		Depth (feet)	
Interval Drilled	<input type="text"/>	<u>5</u>	
Drilling Method(s)	<input type="text"/>		
Borehole Dia. (in.)	<input type="text"/>		
Temporary Casing Installed? (y/n)	<input type="text"/>		
Depth temporary casing installed	<input type="text"/>	<u>10</u>	
Casing type/dia. (in.)	<input type="text"/>		
Method of installing	<input type="text"/>		
CASING PULLING -			
Method employed	<input type="text"/>	<u>15</u>	
Casing retrieved (feet)	<input type="text"/>		
Casing type/dia. (in.)	<input type="text"/>		
CASING PERFORATING -			
Equipment used	<input type="text"/>	<u>20</u>	
Number of perforations/foot	<input type="text"/>		
Size of perforations	<input type="text"/>		
Interval perforated	<input type="text"/>	<u>25</u>	
GROUTING			
Interval grouted (FBLs)	<input type="text"/>	<u>30</u>	
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>12</u>		
Quantity of cement used (lbs.)	<u>188</u>		
Cement type	<u>II</u>		
Quantity of bentonite used (lbs.)	<u>14</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>41</u>		
Volume of grout used (gal.)	<u>35</u>	<u>35</u>	

COMMENTS: CASING GROUTED WITHOUT
REMOVING BECAUSE IT WAS CONCRETED IN
PLACE -

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Vincent H. Mitchell
Drilling Contractor

Department Representative

DECOMMISSIONING RECORD NYSDEC NPL Sites

Site Name: WEST 42ND RIVER PLACE II	Well I.D.: ZS
Site Location: 600 WEST 42ND STREET & 11TH AVE	Driller: VINCENT MITCHELL
Drilling Co.: MORETRENCH AMERICAN CORPORATION	Inspector: STEPHEN SELLINGER
	Date: 07/25/05

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled		5	
Drilling Method(s)	Hollow Stem Auger		
Borehole Dia. (in.)	6 1/2" OD		
Temporary Casing Installed? (y/n)	No		
Depth temporary casing installed		10	
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed	Winch Piled	15	
Casing retrieved (feet)	30'		
Casing type/dia. (in.)	2" ID		
CASING PERFORATING			
Equipment used		10	
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING - TREMIE			
Interval grouted (FBLs)		25	
# of batches prepared	2		
For each batch record:			
Quantity of water used (gal.)	30		
Quantity of cement used (lbs.)	470	30	
Cement type	II		
Quantity of bentonite used (lbs.)	35		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	102.5		
Volume of grout used (gal.)	100	35	
			BOTTOM

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Vincent H. Mitchell
Drilling Contractor

Department Representative