

CORRECTION(S) TO WATER WELL RECORD (WWC-5)

(to rectify lacking or incorrect information)

County: Crawford

Location listed as:

Section-Township-Range: 19-30-(35E)

Fraction ($\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$): _____

Location changed to:

19-30-25E

SW SE NE

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Site location in Pittsburg, County map

initials: DLA date: 7/30/07

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

1 LOCATION OF WATER WELL: Fraction SW 1/4 SE 1/4 NE 1/4 Section Number 19 Township Number T 30 S Range Number R 35 EW
 County: CRAWFORD

Distance and direction from nearest town or city street address of well if located within city?
North West of Intersection of Pine St: 13th Ave 43 feet

2 WATER WELL OWNER: Metsu Mineral Industries Inc
 RR#, St. Address, Box #: 240 Arch St, PO Box 17312 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: York PA 17405-7312 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N			
-NW-		-NE-	
-SW-		-SE-	
S			

4 DEPTH OF COMPLETED WELL 14 ft. ELEVATION: _____
 Depth(s) Groundwater Encountered _____ ft. 2 _____ ft. 3 _____ ft.
 WELL'S STATIC WATER LEVEL 5.77 ft. below land surface measured on mo/day/yr _____
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well _____
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No ; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes _____ No

5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued _____ Clamped _____
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____
 7 Fiberglass Threaded _____
 Blank casing diameter _____ in. to _____ ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface 0 in., weight _____ lbs./ft. Wall thickness or gauge No. _____
 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 10 Asbestos-Cement
 2 Brass 4 Galvanized Steel 6 Concrete tile 9 ABS 11 Other (Specify) _____
 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Guazed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify) _____ ft.
 SCREEN-PERFORATED INTERVALS: From 6 ft. to 16 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout Intervals: From 2 ft. to 4 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage _____
 Direction from well? _____ How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Fill Gravelly Sand			
2	4	Brown clay			
4	6	Brown clay			
6	8	Tan / brown clay			
8	10	Orange / tan clay			
10	12	Tan / grey clay			
12	14	Tan / grey clay			
14	15	Coal			
15	14	Tan / grey clay			









7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 6-19-07 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 753 This Water Well Record was completed on (mo/day/yr) 6-22-07 under the business name of Environmental Works by (signature) [Signature]

ST#	SOIL BORING LOG		BORING NUMBER 1-8
R#	OVERSEEING GEOLOGIST	DRILLER XDS / Environmental work	
SITE NAME Former Grandby Mining	DRILLING METHOD Geoprobe	SAMPLING METHOD Geoprobe macrocore	
SITE ADDRESS 1308 N. Walnut Pittsburg KS	BOREHOLE DIAMETER 8.25"	SAMPLING INTERVAL Continuous	
DATE OF BORING 6-18-07 - 6-21-07	TOTAL BORING DEPTH 16'	STATIC WATER LEVEL Approx 7'	

Boring Construction Details	Approx. Depth in Feet	Lithographic Description and Remarks	PID Reading (ppm)	Sample Identification
	0 5 10 15 20 25 30 35 40 45 50	RISER KS Drilling License # 753		

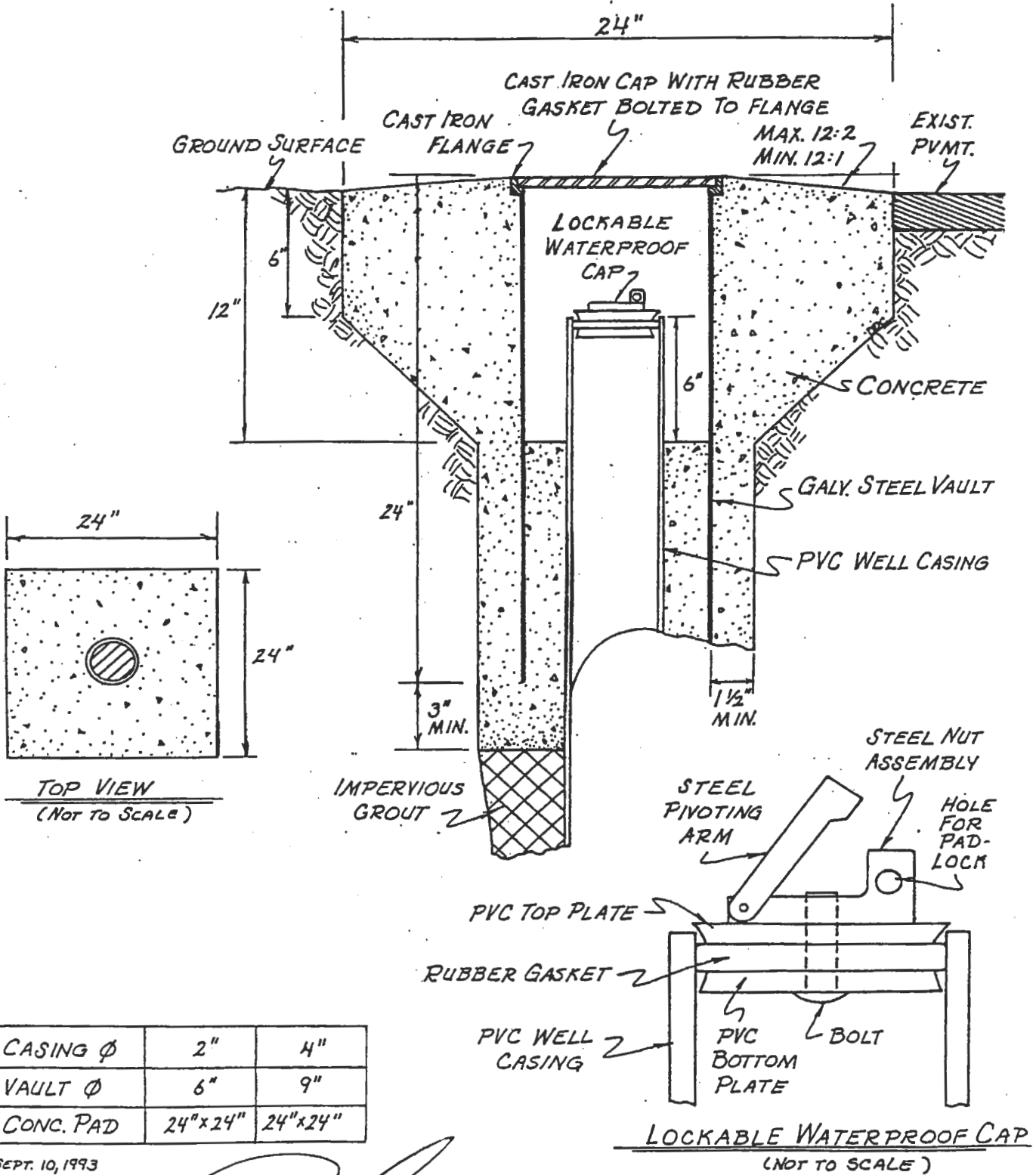
COMMENTS:

[Signature]

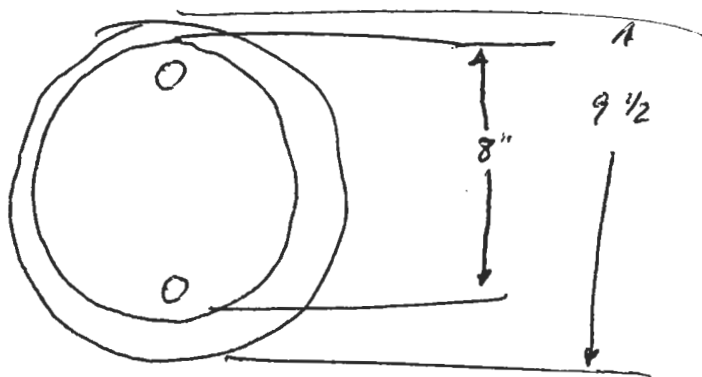
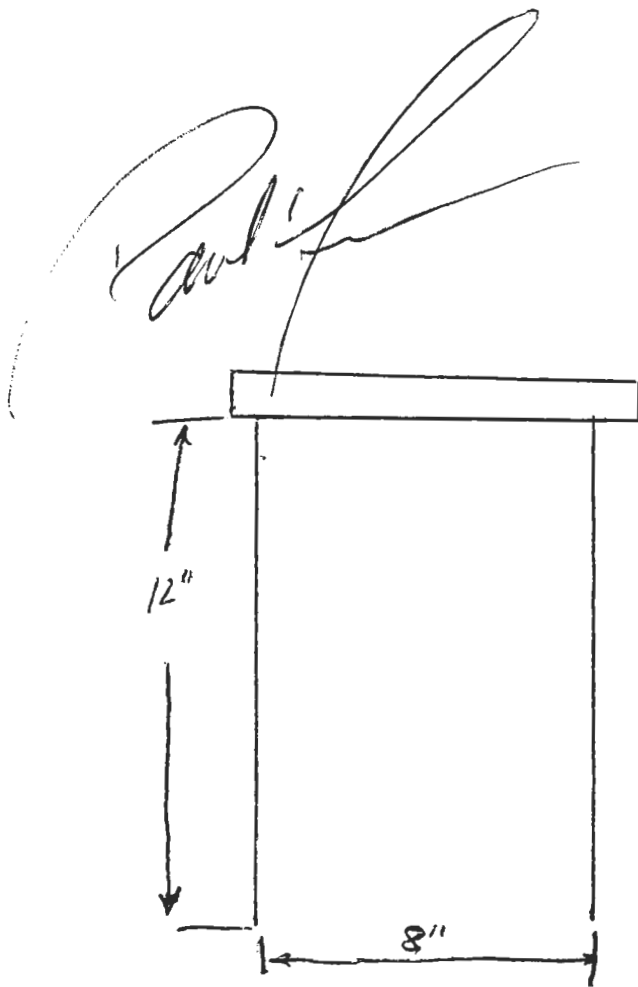
-  Limestone
-  Silt
-  Sand
-  Sandstone
-  Clay
-  Soil
-  Chert
-  Sand
-  Gravel

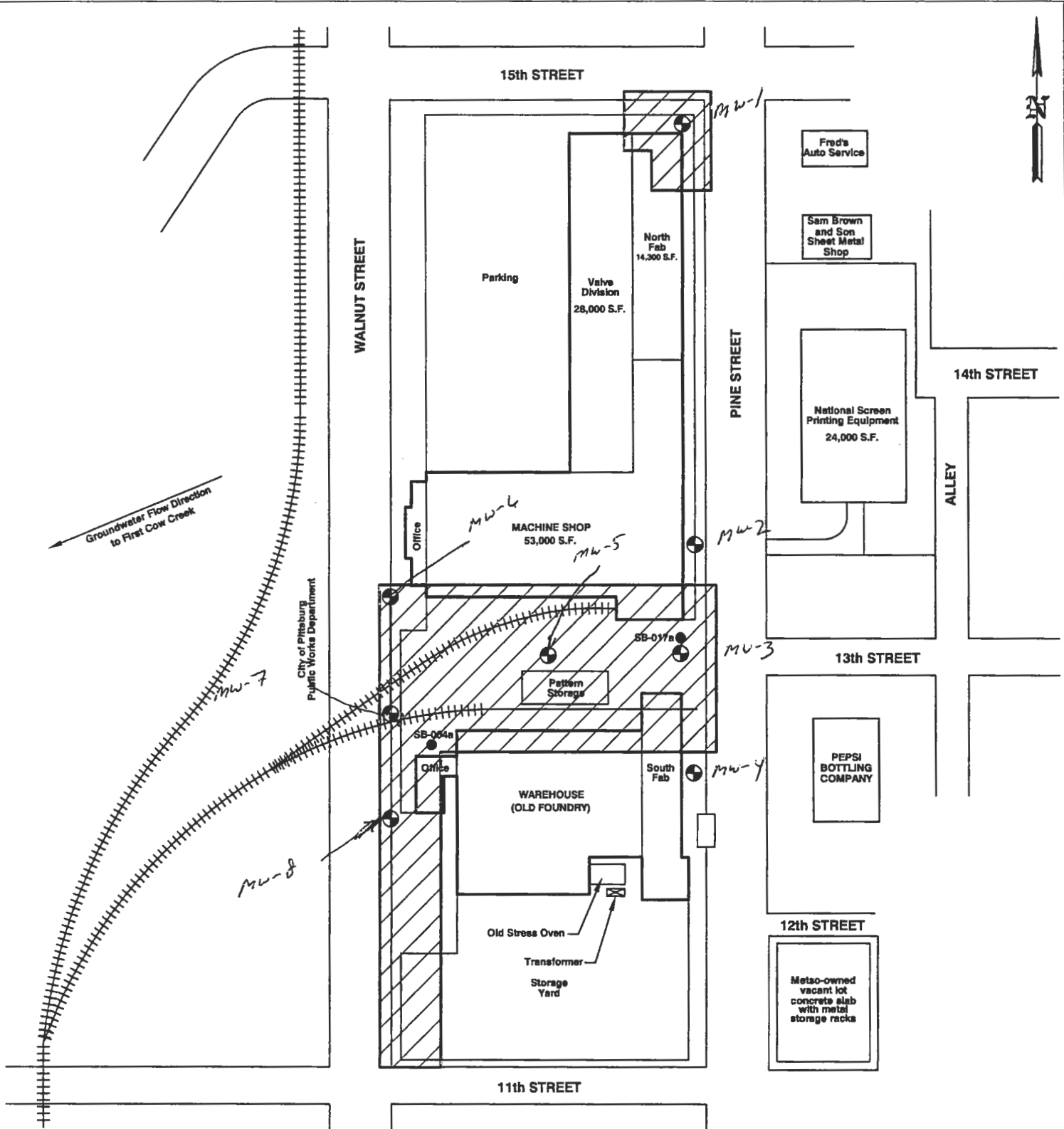
FLUSH-MOUNT WELL CONSTRUCTION DETAIL

(NOT TO SCALE)






8" x 12" Manhole with watertight gasket.
EMi (manufacturer)





LEGEND

	PROPOSED EXTENT OF NO FURTHER ACTION DETERMINATION
	SOIL BORING LOCATIONS
	PROPOSED GROUNDWATER MONITORING WELL LOCATIONS



941 WHEATLAND AVE, SUITE 202
LANCASTER, PA 17603

(717) 390-9587
(717) 390-5495 FAX

August Mack
ENVIRONMENTAL

METSO MINERALS INDUSTRIES, INC.
1308 N. WALNUT STREET
PITTSBURG, KANSAS

SITE PLAN 2

PROJECT No.: JG0020.333	FILENAME: K\AMEPS\PG0048.333\Site Plan2	DATE: 05/15/2007
DRAWN BY: ZWG	SCALE: AS SHOWN	FIGURE: 2