Arizona Department of Water Resources
Water Management Support Section
P.O. Box 33589 Phoenix, Arizona 85067-3589
(602) 771-8500 • (800) 352-8488
www.azwater.gov

Notice of Intent to Drill, Deepen, or Modify a *Monitor / Piezometer / Environmental* Well

FEE

- Review instructions prior to completing form in black or blue ink.
- You must include with your Notice:
  - $150 check or money order for the filing fee.
  - Well construction diagram, labeling all specifications listed in Section 6.
- Authority for fee: A.R.S. § 45-596.

RECEIVED MAR 07 2008 WATER MGMT

AMA / INA	B	SB
Phoenix	6	
RECEIVED DATE 3/7/08	WS 7	
ISSUED DATE	WQAR	CERCLA

FILE NUMBER A(4.3) K CCA
WELL REGISTRATION NUMBER 55 - 217455

** PLEASE PRINT CLEARLY **

SECTION 1. REGISTRY INFORMATION

Well Type	Proposed Action	Location of Well
CHECK ONE	CHECK ONE	WELL LOCATION ADDRESS (IF ANY): 22841 North Cave Creek Road
☒ Monitor	☒ Drill New Well	TOWNSHIP (N/S): 4N; RANGE (E/W): 3E; SECTION: 14; 160 ACRE: SW¼; 40 ACRE: SW¼; 10 ACRE: NE ¼
☐ Piezometer	☐ Deepen	COUNTY ASSESSOR'S PARCEL ID NUMBER
☐ Vadose Zone	☐ Modify	BOOK 213 MAP 02 PARCEL 169
☐ Air Sparging	*If Deepening or Modifying:*	COUNTY WHERE WELL IS LOCATED: Maricopa
☐ Soil Vapor Extraction	WELL REGISTRATION NUMBER	
☐ Other (*please specify*):	55 -	

SECTION 2. OWNER INFORMATION

Well Owner		Landowner (if different from Well Owner)	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: City of Phoenix		FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL: Same	
MAILING ADDRESS: 200 W. Washington Street, 8th Floor		MAILING ADDRESS:	
CITY / STATE / ZIP CODE: Phoenix, Arizona 85003		CITY / STATE / ZIP CODE:	
CONTACT PERSON NAME AND TITLE: Andy Terrey - Project Manager		CONTACT PERSON NAME AND TITLE:	
TELEPHONE NUMBER: 602-256-3422	FAX: 602-495-5843	TELEPHONE NUMBER:	FAX:

SECTION 3. DRILLING AUTHORIZATION

Drilling Firm		Consultant (if applicable)	
NAME: Sunbelt Drilling Company		CONSULTING FIRM: Clear Creek Associates	
DWR LICENSE NUMBER: 701	ROC LICENSE CATEGORY: A-04	CONTACT PERSON NAME: Don Hanson	
TELEPHONE NUMBER: 602-376-1123	FAX: 480-983-6121	TELEPHONE NUMBER: 480-659-7131	FAX: 480-659-7143
E-MAIL ADDRESS: sunbeltdrilling@aol.com		E-MAIL ADDRESS: dhanson@clearcreekassociates.com	

SECTION 4.

Questions	Yes	No	Explanation:
1. Are all annular spaces between the casing(s) and the borehole for the placement of grout at least 2 inches?	X		2-inch annular spaces are special standards required for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
2. Is the screened or perforated interval of casing greater than 100 feet in length?		X	100-foot maximum screen intervals are a special standard for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
3. Are you requesting a variance to use thermoplastic casing in lieu of steel casing in the surface seal?		X	The wells must be constructed in a vault as defined in A.A.C. R12-15-801(27).
4. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ2, 06-04, etc.)	X		IF YES, PLEASE STATE: MW-3
5. Have construction plans been coordinated with the Arizona Department of Environmental Quality?		X	IF YES, PLEASE STATE AGENCY CONTACT & PHONE NUMBER
6. For monitor wells, is dedicated pump equipment to be installed?	X		IF YES, PLEASE STATE DESIGN PUMP CAPACITY: 10 Gallons per Minute
7. Is this well a new well located in an Active Management Area **AND** intended to pump water for the purpose of remediating groundwater?		X	IF YES, UNLESS THE WELL IS A REPLACEMENT WELL AND THE TOTAL NUMBER OF OPERABLE WELLS ON THE SITE IS NOT INCREASING, YOU MUST ALSO FILE A SUPPLEMENTAL FORM A.R.S. § 45-454(C) & (F). *(See instructions)*
8. Will the well registration number be stamped on the vault cover or on the upper part of the casing?	X		IF NO, WHERE WILL THE REGISTRATION NUMBER BE PLACED?

Notice of Intent to Drill, Deepen, or Modify a *Monitor / Piezometer / Environmental* Well

WELL REGISTRATION NUMBER: 55- 217455

SECTION 5. WELL CONSTRUCTION DETAILS

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Drill Method

CHECK ONE

- ☐ Air Rotary
- ☐ Bored or Augered
- ☐ Cable Tool
- ☐ Dual Rotary
- ☒ Mud Rotary
- ☐ Reverse Circulation
- ☐ Driven
- ☐ Jetted
- ☐ Air Percussion / Odex Tubing
- ☐ Other (*please specify*):

DATE CONSTRUCTION TO BEGIN: 3/24/08

Method of Well Development

CHECK ONE

- ☒ Airlift
- ☐ Bail
- ☐ Surge Block
- ☐ Surge Pump
- ☐ Other (*please specify*):

Grout Emplacement Method

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grout
- ☒ Tremie
- ☐ Other (*please specify*):

Method of Sealing at Reduction Points

CHECK ONE

- ☒ None
- ☐ Welded
- ☐ Swedged
- ☐ Packed
- ☐ Other (*please specify*):

Surface or Conductor Casing

CHECK ONE

- ☐ Flush Mount in a vault
- ☒ Extend 1' above grade

SECTION 6. PROPOSED WELL CONSTRUCTION PLAN (attach additional page if needed)

Attach a well construction diagram labeling all specifications below.

Borehole

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	BOREHOLE DIAMETER (inches)
0	20	17
20	560	11

Casing

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	20	12	X				X						
20	560	11		X		Sch 80	X						
435 525	475 545	5		X		Sch 80					X		0.050"
465 475	433 525	5		X		Sch 80							

Annular Material

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	165			X								
165 460	175 470						X					
170	560									X		8-12 Mesh

IF THIS WELL HAS NESTED CASINGS, SPECIFY NUMBER OF CASING STRINGS: N/A

EXPECTED DEPTH TO WATER: 430 Feet Below Ground Surface

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE: Andy Terrey - Project Manager

SIGNATURE OF WELL OWNER: [signature] DATE: 3/5/08

TYPE OR PRINT NAME AND TITLE:

SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS): DATE

ARIZONA DEPARTMENT OF WATER RESOURCES

WATER MANAGEMENT SUPPORT SECTION

3550 N. Central Avenue
Phoenix, Arizona 85012

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO: 55-217455 MW-3

AUTHORIZED DRILLER: SUNBELT DRILLING, L.L.C. LICENSE NO: 701

NOTICE OF INTENTION TO DRILL A MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: CITY OF PHOENIX 200 W WASHINGTON 8TH FLOOR PHOENIX, AZ 85003

THE WELL(S) IS/ARE TO BE LOCATED IN THE:
NE ¼ OF THE SW ¼ OF THE SW ¼ SECTION 14 TOWNSHIP 4 NORTH RANGE 3 EAST

NO. OF WELLS IN THIS PROJECT: 1 ASSESSOR PARCEL NO: 213-2-159

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 6TH DAY OF MARCH, 2009

J. Cason

WATER MANAGEMENT SUPPORT

THE DRILLER MUST FILE A LOG OF THE WELL
WITHIN 30 DAYS OF COMPLETION OF DRILLING

GREAT SEAL OF THE STATE OF ARIZONA
DITAT DEUS
1912

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue, Phoenix, Arizona 85012
Telephone (602) 771-8500
Fax (602) 771-8691

March 20, 2008

Janet Napolitano
Governor

Herbert R. Guenther
Director

CITY OF PHOENIX
200 W WASHINGTON 8TH FLOOR
PHOENIX, AZ 85003

Registration No. 55-217455
File No. A(4-3) 14 CCA

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill (NOI) a Monitor/Piezometer/Environmental Well, which you recently filed with this Department pursuant to A.R.S. § 45-596. This is to inform you that the Department has approved the NOI and has mailed a drilling card authorizing the drilling of the well to your designated well drilling contractor. The driller may not begin drilling until he has received the drilling card, which he must keep in his possession at the well site during drilling.

Well drilling activities must be completed within one year after the date the NOI was filed with the Department. If drilling is not completed within one year, you must file a new NOI before proceeding with further drilling. If it is necessary to change the location of the proposed well, you may not proceed with drilling until you file an amended NOI with the Department. A properly amended drilling card will then be issued and must be in the possession of the well drilling contractor before drilling begins.

Since this well is being drilled as a monitor or piezometer well, or for remediation purposes, our standard Well Driller Report and Well Log form (DWR form 55-55) is being furnished to the well drilling contractor. This form must be filed with the Department within 30 days after completion of the well. A Pump Installation Completion Report form (DWR form 55-56) is being furnished to the well owner for monitor wells where a pump installation is authorized. This must be completed within 30 days of installing a pump as required by A.R.S. § 45-600. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report (DWR form 55-58) must be submitted per R12-15-816(F).

Please be advised that A.R.S. § 45-593(C) requires the person to whom a well is registered to notify the Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate. Any change in well information or a request to change well driller must be filed on a Request to Change Well Information form (DWR form 55-71A), which is enclosed for your future use.

Sincerely,

Natasha Conner

Natasha Conner
NOI Unit
Water Management Support Section

Enclosures

Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.

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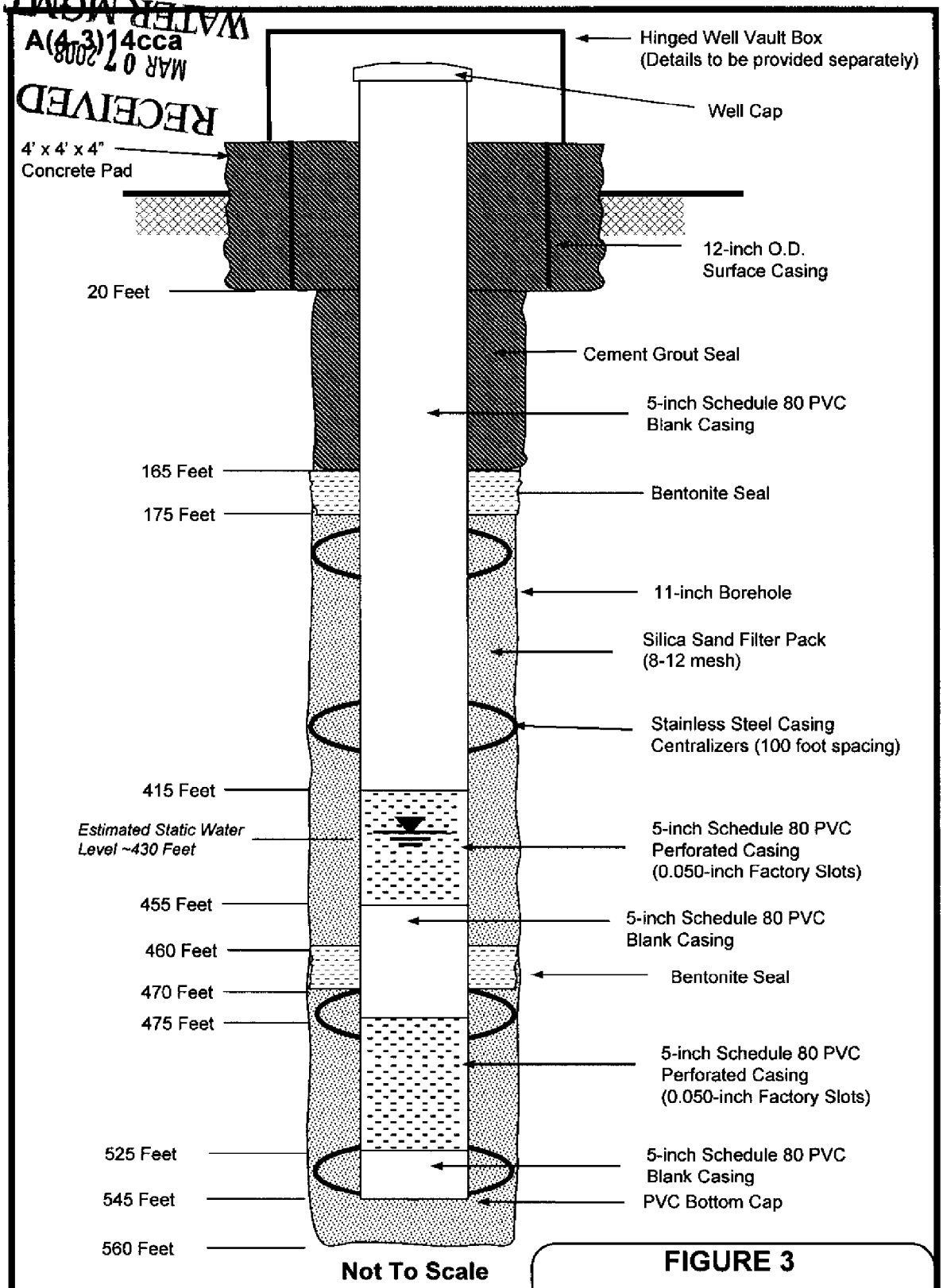

FIGURE 3

MW-3 PRELIMINARY WELL DESIGN

City of Phoenix

Cave Creek Water Reclamation Facility

CLEAR CREEK ASSOCIATES

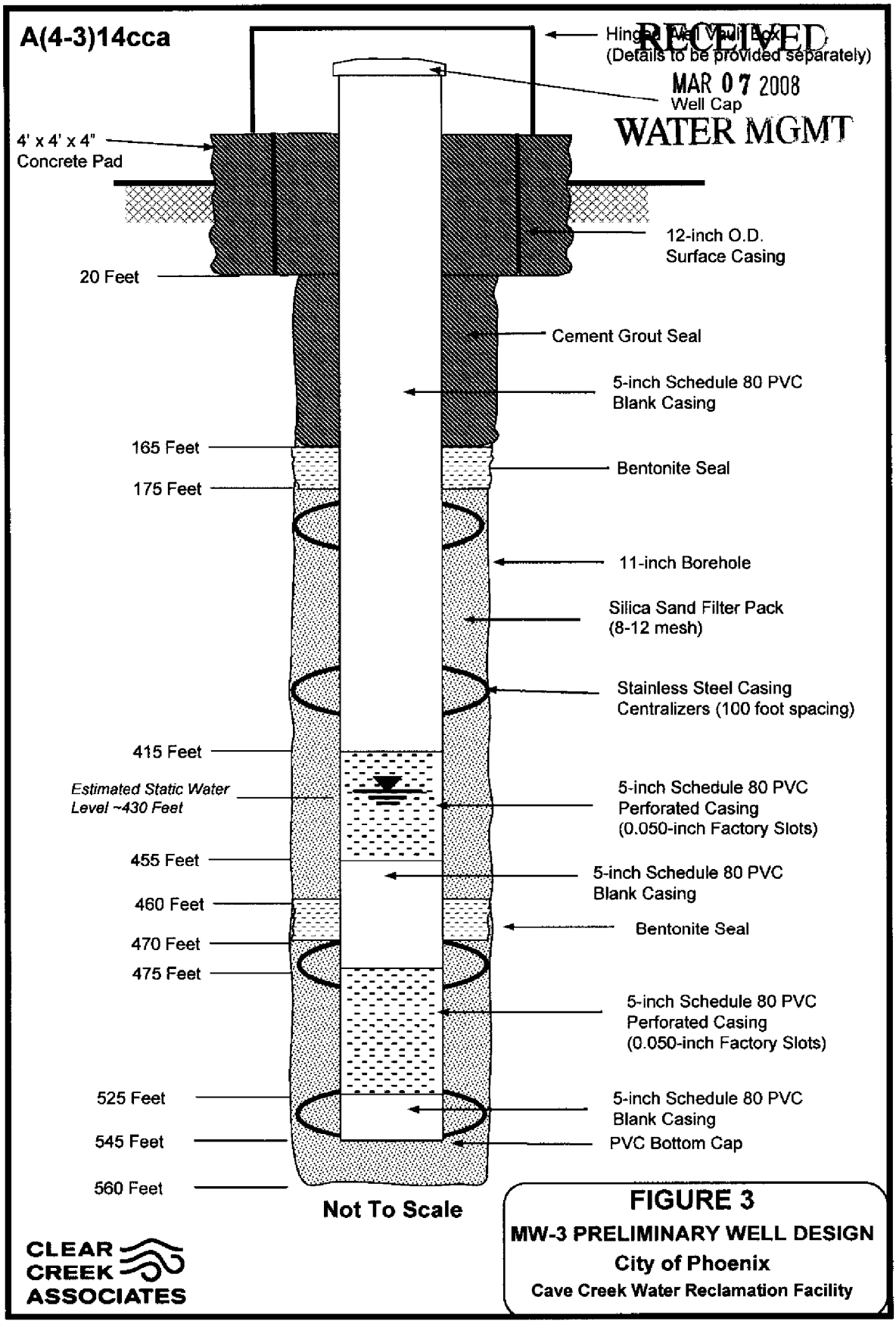

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FIGURE 3

MW-3 PRELIMINARY WELL DESIGN

City of Phoenix

Cave Creek Water Reclamation Facility

CHECK DEPOSIT REQUEST

ARIZONA DEPARTMENT OF WATER RESOURCES

NOTICE OF INTENT

Well No(s). (IF KNOWN): 55

Date Submitted:	03/06/2008	**Check No.:**	check
Submitted by:	Walk in	**Check Amount:**	150.00
Applicant:	City of Phoenix	**Name on Check:** (IF DIFFERENT THAN APPLICANT)	Clear Creek Associates
Received By:	Tasha	**Prior Amount Paid:**	(FEES ALREADY RECEIVED FOR THIS NOI)

Code	Type of Application	Quantity	Fee (PER WELL UNLESS OTHERWISE NOTED)	Current Payment	Fees Owed
4439-06A	**Exempt** Wells **Outside AMAs** to be used for **Domestic** Purposes Only.		$100.00	$	$
4439-06B	Exempt Wells Inside AMAs and **ALL Exempt** Wells **Not** to be Used for **Domestic** Purposes.		$150.00	$	$
4439-6C	**Non-exempt** Wells **Outside AMAs.**		$150.00	$	$
4439-6D	**Mineral Exploration** or **Geotechnical.**		$150.00/per land section		$
4439-6E	**Cathodic, Heat Pump, Grounding,**		$150.00	$	
4439-6F	**Monitor, Piezometer, Air Sparging Soil Vapor Extraction,**	**1**	**150.00**	**$150.00**	
4439-6G	Non-recharge **Vadose Zone** or **Injection.**				
4439-10	**Late Registration** of a **Non-exempt** well **outside an AMA.**		$20.00	$	$
4439-11	**Late Registration** of an **Exempt** Well (not used for Irrigation inside an AMA).		$10.00	$	$
4439-08	Request to **Change** Well Information (Change of Well **Driller/reissue**).		$10.00	$	$
4439-12	Request to **Change** Well Information (Change of **Ownership**).		$10.00*	$	$
	*CHANGING TO MORE THAN 1 WELL WHERE NAMES TO BE CHANGED ARE ALL THE SAME, ONE $10.00 FEE TOTAL FOR THOSE WELLS, OTHERWISE, CHANGE OF OWNERSHIP IS $10.00/WELL.				
	Well Driller Licensing NOTE: FEES FOR OWNERSHIP CHANGE FULL-TIME & PART-TIME LICENSES.				
4420-01	**Full-time** Well Driller's License.		$50.00	$	$
4420-02	Full-time Well Driller's License **Renewal.**		$10.00	$	$
4420-03	Full-time Well Driller License **Reactivation** (MUST BE WITHIN 1 YEAR OF LICENSE EXPIRATION DATE).		$20.00	$	$
	Citations/Penalties				
4519	**W-19.** Failure to file Well Log		$100.00	$	$

Comments:

Total Paid:	$150.00	**Debt Owed:**	$0.00

*IF FEES HAVE BEEN PAID PREVIUOSLY FOR THIS NOI, INCLUDE THAT AMOUNT

BMP 213-02-169