RECEIVED
JAN 08 2016
ARIZONA DEPARTMENT OF WATER RESOURCES

Arizona Department of Water Resources
Water Management Division
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8500 • (602) 771-8690
· www.azwater.gov ·

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

$150 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 and Section 7.

  Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

AMA / INA	B	SB
Phoenix	PHX	4
RECEIVED DATE	WS	
1/8/2016	07 SR	
ISSUED DATE	WQAR	CERCLA
1/12/16	000	—

FILE NUMBER: A(2-2)13 CCC

WELL REGISTRATION NUMBER: 55 - 225698

SECTION 1. REGISTRY INFORMATION

To determine the location of well, please refer to the Well Registry Map (https://gisweb.azwater.gov/WellRegistry/Default.aspx) and/or Google Earth (http://www.earthpoint.us/Townships.aspx)

Well Type — CHECK ONE
- [X] Monitor
- [ ] Piezometer
- [ ] Vadose Zone
- [ ] Air Sparging
- [ ] Soil Vapor Extraction
- [ ] Other (*please specify*):

Proposed Action — CHECK ONE
- [X] Drill New Well
- [ ] Deepen
- [ ] Modify

WELL REGISTRATION NUMBER *(if Deepening or Modifying)*: 55 -

Location of Well

WELL LOCATION ADDRESS (IF ANY): 2600 W. Camelback Rd

TOWNSHIP(N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
2N	2E	13	SW ¼	SW ¼	SW ¼

COUNTY ASSESSOR'S PARCEL ID NUMBER: BOOK 153 | MAP 27 | PARCEL 003A

COUNTY WHERE WELL IS LOCATED: Maricopa

SECTION 2. OWNER INFORMATION

Land Owner		**Well Owner** *(check this box if Land Owner and Well Owner are same [ ])*	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	Grand Canyon Education, Inc.	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL	Arizona Dept. of Environmental Quality
MAILING ADDRESS	3300 W. Camelback Rd.	MAILING ADDRESS	1110 W. Washington St.
CITY / STATE / ZIP CODE	Phoenix, AZ 85017	CITY / STATE / ZIP CODE	Phoenix, AZ 85007
CONTACT PERSON NAME AND TITLE	Richard Oesterle, Campus Development Dir.	CONTACT PERSON NAME AND TITLE	David Pettigrew, Project Director
TELEPHONE NUMBER	602-639-6045	TELEPHONE NUMBER	602-771-4265
FAX	602-639-8982	FAX	602-771-4346

SECTION 3. DRILLING AUTHORIZATION

Drilling Firm		**Consultant** *(if applicable)*	
NAME	Yellow Jacket Drilling	CONSULTING FIRM	Terranext LLC
DWR LICENSE NUMBER	78	CONTACT PERSON NAME	Byron D. Schneid, R.G.
ROC LICENSE CATEGORY	A-4		
TELEPHONE NUMBER	602-453-3252	TELEPHONE NUMBER	480-496-4100
FAX	602-453-3258	FAX	480-496-4399
EMAIL ADDRESS	beau@yjdrilling.com	EMAIL ADDRESS	bschneid@terranext.net

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. Pursuant to A.A.C. R12-15-801 (27) a "vault" is defined as a tamper-resistant watertight structure used to complete a well below the land surface.
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-6
5. Have construction plans been coordinated with the Arizona Department of Environmental Quality?	[X]	[ ]	If yes, please state agency contact & phone number Dave Pettigrew, 602-771-4265
6. For monitor wells, is dedicated pump equipment to be installed?	[ ]	[X]	If yes, please state design pump capacity *(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]	You must also file a supplemental form A.R.S. § 45-454(c) & (f) unless the well is a replacement well and the total number of operable wells on the site is not increasing. *(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?

VARIANCE GRANTED

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

WELL REGISTRATION NUMBER
55 - 225698

SECTION 6. WELL CONSTRUCTION DETAILS

Drill Method

CHECK ONE

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

DATE CONSTRUCTION TO BEGIN
1/21/2016

Method of Well Development

CHECK ONE

- [ ] Airlift
- [x] Bail
- [ ] Surge Block
- [ ] Surge Pump
- [x] Other (*please specify*): Surge + Bail

Method of Sealing at Reduction Points

CHECK ONE

- [x] None
- [ ] Welded
- [ ] Swedged
- [ ] Packed
- [ ] Other (*please specify*):

Grout Emplacement Method

CHECK ONE

- [x] Tremie Pumped (*Recommended*)
- [x] Gravity
- [ ] Pressure Grout
- [ ] Other (*please specify*):

Surface or Conductor Casing

CHECK ONE

- [x] Flush Mount in a vault
- [ ] Extend 1' above grade

SECTION 7. 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	115	10"

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	85	4"		X			X						
85	115	4"		X							X		0.02"

Annular Material

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	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	80				X							
80	83						X					
83	115									X		8/12

IF THIS WELL HAS NESTED CASINGS, SPECIFY NUMBER OF CASING STRINGS

EXPECTED DEPTH TO WATER (*Feet Below Ground Surface*)
97

SECTION 8. PERMISSION TO ACCESS

- [ ] By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (*See instructions.*)

SECTION 9. LAND OWNER AND WELL OWNER SIGNATURE

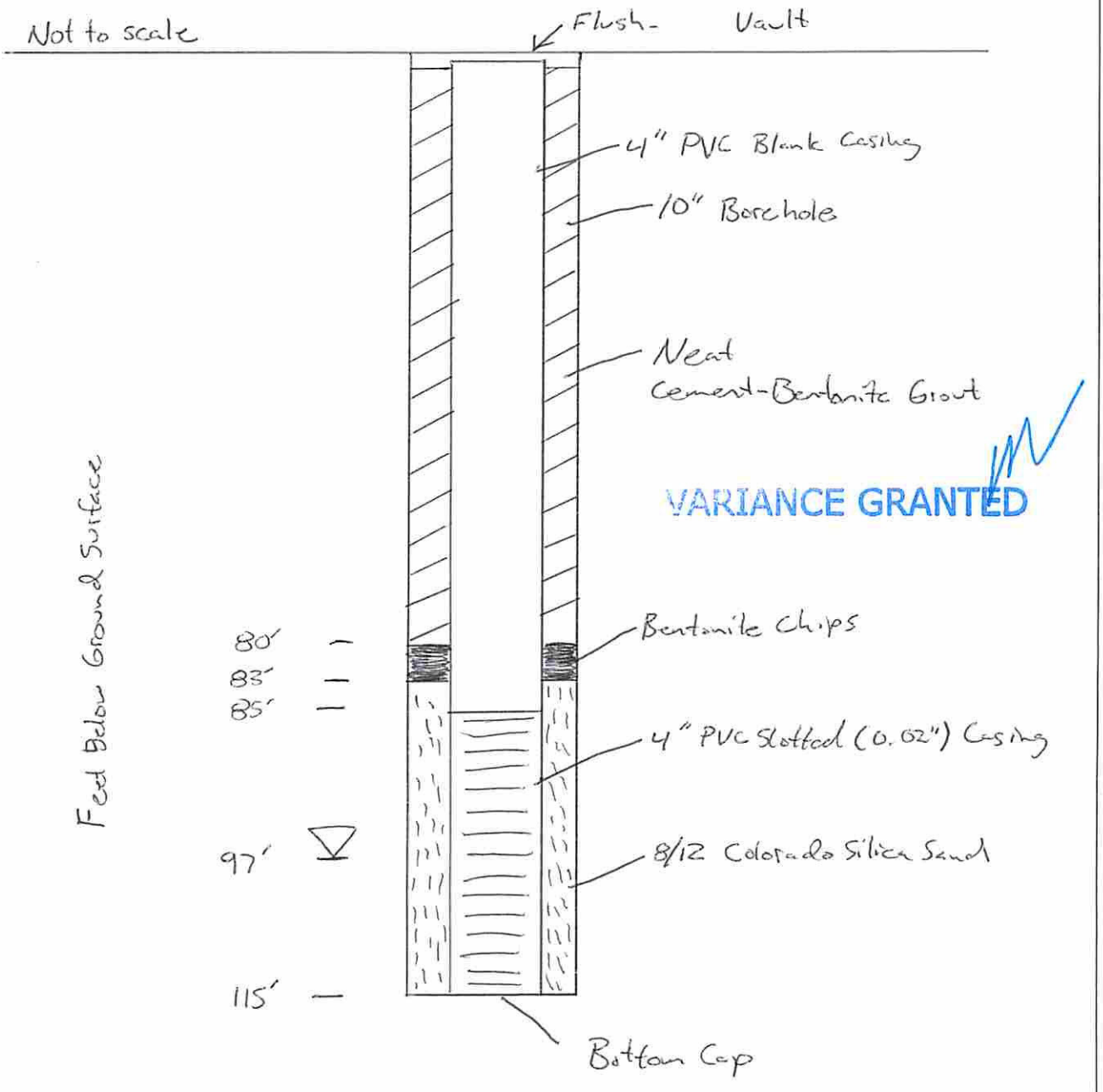
I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and

Land Owner	**Well Owner** (*if different from Land Owner; See instructions*)
PRINT NAME AND TITLE Richard Oesterle, Campus Development Director	PRINT NAME AND TITLE Dave Pettigrew, Project Director
SIGNATURE OF LAND OWNER	SIGNATURE OF WELL OWNER
DATE 1/7/16	DATE 1/8/16
[ ] By checking this box, you agree to allow ADWR to contact you via electronic mail.	[ ] By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS richard.oesterle@gcu.edu	EMAIL ADDRESS pettigrew.david@azdeq.gov

SECTION 5. Well Construction Diagram

Provide a well construction diagram showing all existing well construction features listed in Section 6 and Section 7.

1 of 1 Job NO. 0310-3278
Project: Former #3 Car Wash



VARIANCE GRANTED

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ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

UNDERGROUND STORAGE TANK
OFF-SITE ACCESS AGREEMENT

This Access Agreement (Agreement) is made and entered into this _____ day of _____, 2015 by and between Grand Canyon Education, Inc. (Property Owner) and the Arizona Department of Environmental Quality (ADEQ). Owner and ADEQ are collectively referred to herein as the Parties. "Property Owner" is the person, who currently owns or has principal control of the property located at:

Address: 2600 West Camelback Road
City: Phoenix, Arizona 85017
County: Maricopa
Site Name: Planned GCU 27th Avenue Office Complex
LUST# and Facility#: L# 1217.02, F# 0-000709
PARCEL#: 153-27-003A

RECEIVED
DEC 7 - 2015
ADEQ

The "Property Owner" is the person, who currently owns or has principal control of the property listed above, which is situated in close proximity to a leaking underground storage tank (LUST #, FAC #) currently being investigated by ADEQ for potential soil and groundwater contamination. Access to the property for the purpose of collecting soil and or groundwater data will provide needed information to assist ADEQ in protecting human health and the environment.

ADEQ desires to cooperate with the Property Owner, by establishing the terms and conditions under which it or its representatives will enter onto the Property to conduct its investigative activities. The proposed activities may include groundwater well drilling and installation, soil sampling, remedial equipment installation and operation, water level measurements, groundwater sampling, and soil gas sampling.

The Property Owner holds title to the Property and agrees to cooperate with ADEQ and its duly authorized agents in the investigation and possible monitoring actions to be conducted upon the Property.

The Parties hereto agree as follows:

1. The Property Owner grants permission to ADEQ or its representative to have access to the Property to undertake corrective action to evaluate a potential impact related to a off-site release from an Underground Storage Tank (UST). A "Release", as defined by A.R.S. § 49-1001.17, of petroleum from a UST on or before 10/23/97. ADEQ agrees that reasonable notice will be given to the Property Owner prior to entrance onto the Property by ADEQ personnel or contractors.

2. ADEQ agrees to perform all work in a safe and workmanlike manner, which shall conform to professional standards and practices consistent with generally accepted industry standards and shall comply with all applicable federal, state, and local laws, statutes, rules, regulations, ordinances, and orders. Such work shall be free from defects or damage, and that its representatives will take all reasonable measures and precautions to minimize disruption of each and any businesses at the Site at

all times. ADEQ will coordinate onsite activities with Property Owner's operating business to minimize disruption. ADEQ is not financially responsible for business fluctuations during onsite activities.

3. All groundwater monitoring wells shall be completed with below ground surface vaults capable of supporting automobile and truck traffic in order to prevent interference with the businesses at the Property. It is expressly understood that ADEQ shall retain ownership of any and all groundwater monitoring wells and be responsible for compliance with any Department of Water Resources filings, with regard to the wells. ADEQ will be responsible for the proper well abandonment at completion of project.

4. Upon request, ADEQ will provide to Property Owner any information, not already provided, regarding sampling plans along with the analytical results of all samples taken and monitoring done, as well as any and all final reports generated by its representatives in reference to the Property.

5. ADEQ, or its representatives, will restore the Property to substantially the same conditions as existed prior to activities under this Agreement.

6. The Property Owner shall not be responsible for any theft of or damage to any property or equipment of ADEQ or its representatives unless resulting from the Property Owner's acts or omissions or the acts or omissions of its employees, agents, contractors, subcontractors or any other person acting on behalf of the Property Owner.

7. No Indemnity, Owner and ADEQ are responsible for only their own negligence in connection with the activities conducted on the property.

8. This Agreement may be cancelled by the ADEQ Director pursuant to A.R.S. §38-511.

9. In the event of a dispute, the Parties agree to use arbitration to the extent required by A.R.S. §12-1518.

This Agreement shall be effective as of the 3RD day of DECEMBER, 2015.

BY: RICH OESTERLE
Print Name & Authority

BY: [signature]
Signature

BY: [signature]
Tara Rosie, Manager
UST Corrective Action Section
Waste Programs Division
Arizona Department of Environmental Quality

Printed: 1/8/2016 2:29:19 PM

Arizona Department of Water Resources

3550 N Central Ave.
Phoenix AZ 85012

Customer:

BE & K. / TERRANEXT LLC
4050 E COTTON CENTER BLVD, STE
73
PHOENIX, AZ 85040

Receipt #: 16-43267
Office: MAIN OFFICE
Receipt Date: 01/08/2016
Sale Type: IN_PERSON
Cashier: WRPXA

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67488	15245	4439-TT	Notice of intention to drill a well other than a well described in subsection (A)(1)(h) of this Section	225698	1	150.00	150.00
						RECEIPT TOTAL:	**150.00**

Payment type: CHECK
Amount Paid: $150.00
Payment Received Date: 01/08/2016

Check # 1939

Notes: FROM TTA.

No refund without valid receipt

ARIZONA DEPARTMENT *of* WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, AZ 85012
602-771-8500
azwater.gov

January 12, 2016

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
1110 W. WASHINGTON STREET
ATTN: DAVID PETTIGREW, STATE LEAD SECTIO
PHOENIX, AZ 85007

DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Registration No. 55- 225698
File Number: A(2-2) 13 CCC

Dear Well Applicant:

Enclosed is a copy of the Notice of Intention to Drill (NOI) a well which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed, or made available for download, a drilling authorization card to your designated well drilling contractor. The driller may not begin drilling until he/she has received the authorization, and must keep it in their possession at the well site during drilling. Although the issuance of this drill card authorizes you to drill the proposed well under state law, the drilling of the well may be subject to restrictions or regulations imposed by other entities.

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, a new NOI must be filed and authorization from this Department received before proceeding with drilling. If the well cannot be successfully completed as initially intended (dry hole, cave in, lost tools, etc.), the well must be properly abandoned and a Well Abandonment Completion Report must be filed by your driller [as required by A.A.C. R12-15-816(F)].

If you change drillers, you must notify the Department of the new driller's identity on a Request to Change Well Information (form 55-71A). Please ensure that the new driller is licensed by the Department to drill the type of well you require. A new driller may not begin drilling until he/she receives a new drilling authorization card from the Department.

If you find it necessary to change the location of the proposed well(s), you may not proceed with drilling until you file an amended NOI with the Department. An amended drilling authorization card will then be issued to the well drilling contractor, which must be in their possession before drilling begins.

Arizona statute [A.R.S. § 45-600] requires registered well owners to file a Pump Installation Completion Report (form 55-56) with the Department within 30 days after the installation of pumping equipment, if authorized. A blank report is enclosed for your convenience. State statute also requires the driller to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A blank report form was provided to your driller with the drilling authorization card. You should insist and ensure that all of the required reports are accurately completed and timely filed with the Department.

Please be advised that Arizona statute [A.R.S. § 45-593(C)] requires a registered well owner to notify the Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep this 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 (form 55-71A) that may be downloaded from the ADWR Internet website at www.azwater.gov.

Sincerely,

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012

VARIANCE GRANTED

NOTICE! This well is located in or near an area of groundwater contamination (WQARF/CERCLA/DOD or Other). Be advised that **special requirements may apply**.

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

WELL REGISTRATION NO: **55-225698**

AUTHORIZED DRILLER: **YELLOW JACKET DRILLING SERVICES, LLC** LICENSE NO: **78**

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

WELL OWNER: **ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY 1110 W. WASHINGTON STREET ATTN: DAVID PETTIGREV STATE LEAD SECTIO PHOENIX, AZ, 85007**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the **SW** 1/4 of the **SW** 1/4 Section **13** Township **2.0 NORTH** Range **2.0 EAST**

NO. OF WELLS IN THIS PROJECT: **1** ASSESSOR'S PARCEL NO: **153-27-003A**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **January 8, 2017**

GROUNDWATER PERMITTING AND WELLS

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