



DEPARTMENT OF THE AIR FORCE  
377TH AIR BASE WING (AFGSC)

ENTERED

JUL 19 2018



Colonel Richard W. Gibbs, USAF  
Commander  
377th Air Base Wing  
2000 Wyoming Blvd SE  
Kirtland AFB NM 87117

Mr. John Kieling, Bureau Chief  
Hazardous Waste Bureau (HWB)  
New Mexico Environment Department (NMED)  
2905 Rodeo Park Drive East, Building I  
Santa Fe NM 87505-6303

Dear Mr. Kieling

Attached please find the proposed well design for a replacement contingency well for the KAFB-106240 location as approved in the *Work Plan for Data Gap Monitoring Well Installation, Bulk Fuels Facility, Solid Waste Management Unit (SWMU) ST-106/SS-111, Kirtland Air Force Base, New Mexico, dated December 2017*. This work plan was approved on February 28, 2018 for two-well nests comprised of a water table well and a contingency well (to monitor higher water table elevations in the future). As notified to NMED on June 22, 2018, the contingency well was compromised during the grout emplacement in the final stage of well construction. The water table well was completed and functions as designed at this location. The compromised contingency well will be plugged in accordance with a New Mexico Office of the State Engineer approved Well Plugging Plan of Operations. A replacement contingency well, designated KAFB-106246 is planned approximately 30 feet west of the original KAFB-106240 location with a single well casing and screen that will overlap the top five feet of the new water table well screen at KAFB-106240.

If you have any questions or concerns, please contact Mr. Scott Clark at (505) 846-9017 or at [scott.clark@us.af.mil](mailto:scott.clark@us.af.mil); or Mr. Sheen Kottkamp at (505) 846-7674 or at [sheen.kottkamp.1@us.af.mil](mailto:sheen.kottkamp.1@us.af.mil)

Sincerely

*Richard W. Gibbs*  
RICHARD W. GIBBS, Colonel, USAF  
Commander

Attachments:

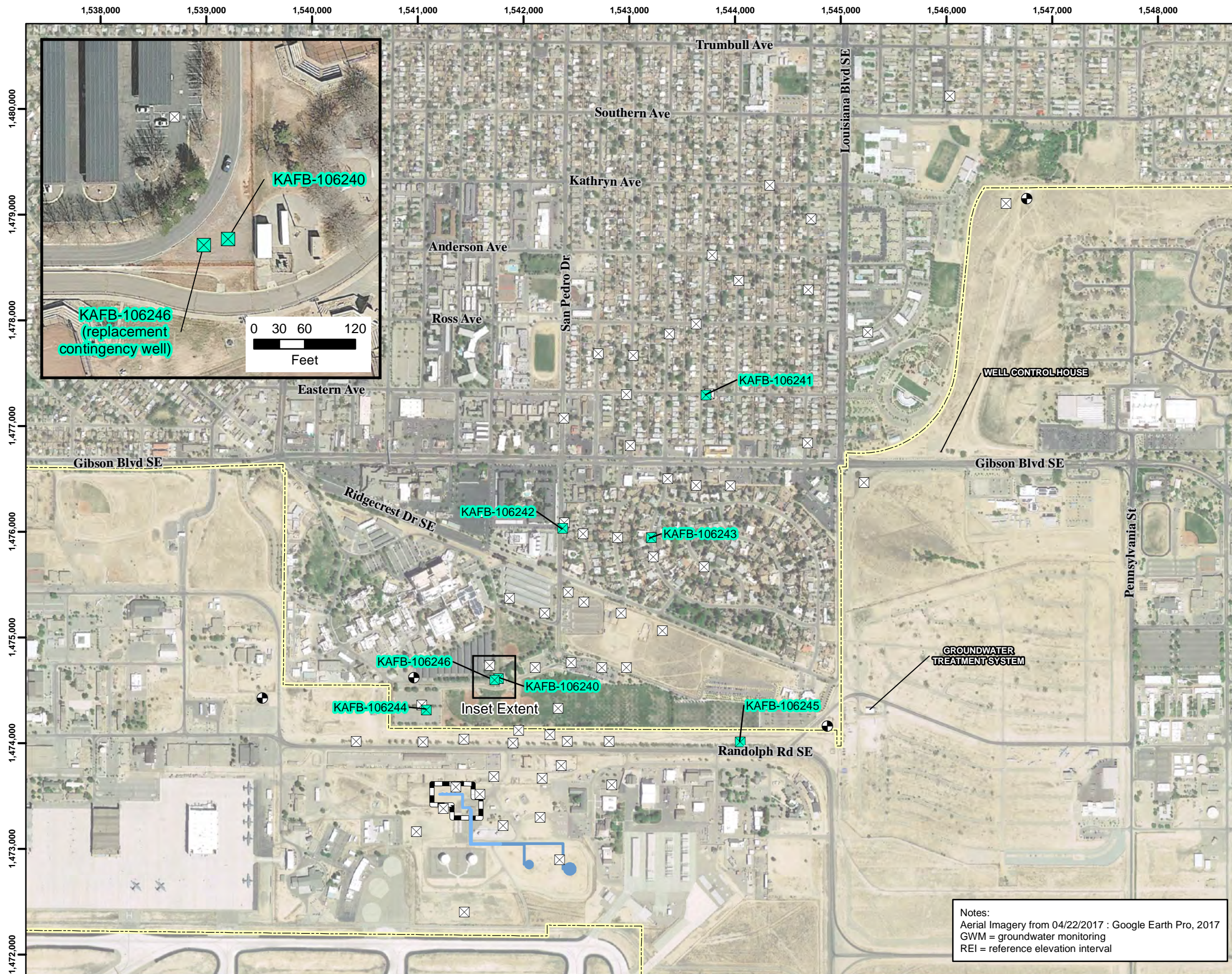
- Figure 1, Location of KAFB-106246 Replacement Contingency Well for KAFB-106240
- Figure 2, Data Gap Groundwater Monitoring Well Construction KAFB-106246

cc:

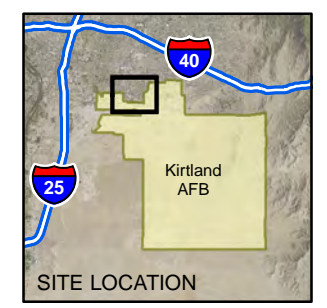
- NMED (Borrogo) letter
- NMED-OOTS (McQuillan), letter and CD
- NMED GWQB (Hunter), letter and CD
- EPA Region 6 (King, Ellinger), letter and CD
- SAF-JEE (Lynnes), electronic only
- AFCEC/CZ (Renaghan, Clark, Kottkamp, Segura), electronic only
- USACE-ABQ District Office (Moayyad, Phaneuf, Dreeland, Sanchez, Salazar), electronic only
- Public Info Repository, Administrative Record/Information Repository (AR/IR) and File







- Legend**
- New Monitoring Well (2018)
  - X Existing 4857 REI Groundwater Monitoring Well (screen submerged)
  - Drinking Water Supply Well
  - Former Aboveground Storage Tank
  - Former Buried Fuel Transfer Line
  - Former Aboveground Fuel Transfer Line
  - Installation Boundary
  - Source Area



0    500    1,000    2,000  
Feet  
1 inch = 1,000 feet  
 Projection: NAD83 State Plane New Mexico Central FIPS3002 Feet

DATA GAP  
 MONITORING WELL INSTALLATION  
 BULK FUELS FACILITY  
 SOLID WASTE MANAGEMENT UNIT ST-106/SS-111  
 KIRTLAND AIR FORCE BASE, NEW MEXICO

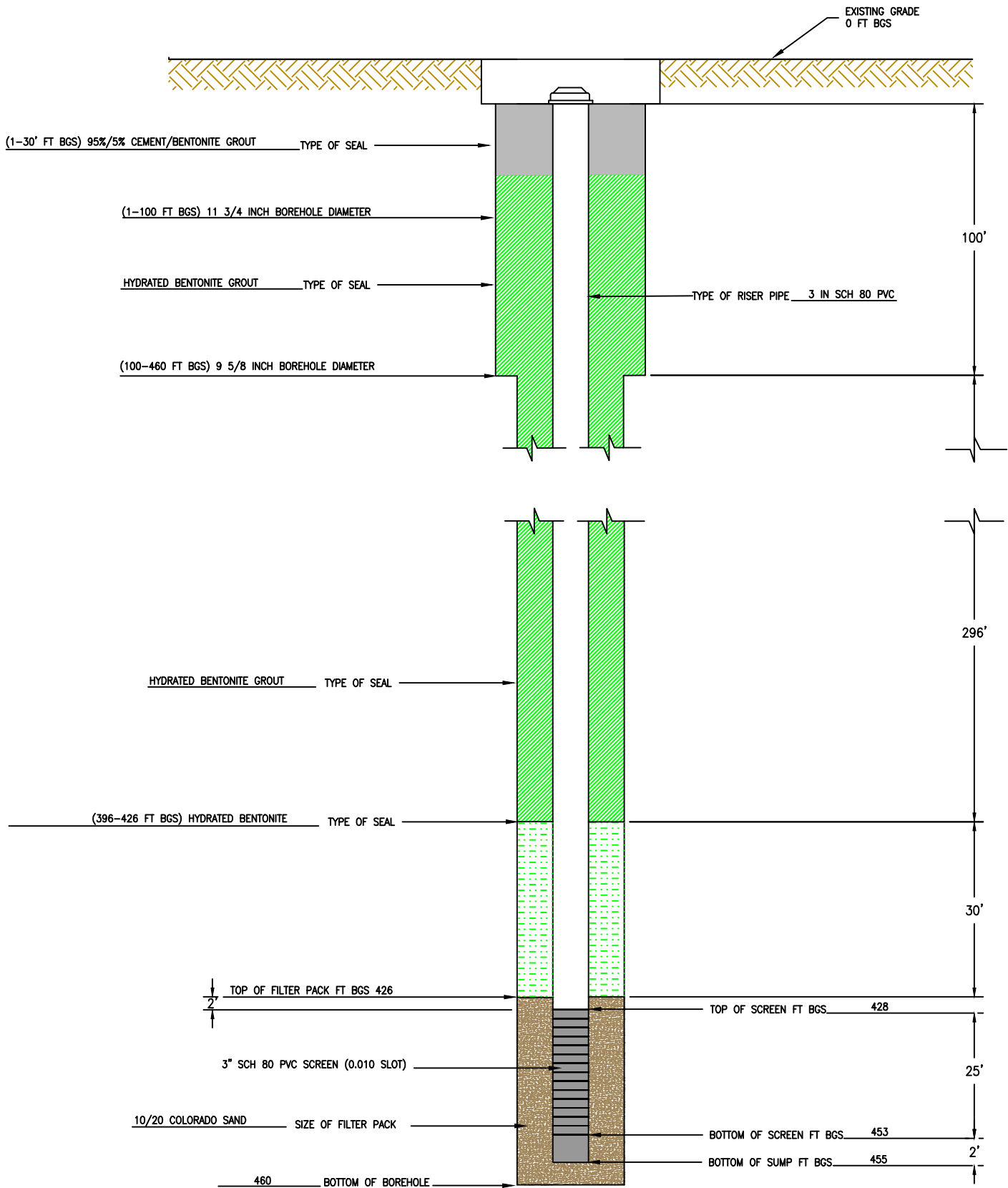
**FIGURE 1**

**LOCATION OF KAFB-106246 REPLACEMENT CONTINGENCY WELL FOR KAFB-106240**

Notes:  
 Aerial Imagery from 04/22/2017 : Google Earth Pro, 2017  
 GWM = groundwater monitoring  
 REI = reference elevation interval



FIGURE 2 - DATA GAP GROUNDWATER MONITORING WELL CONSTRUCTION  
KAFB-106246



NOTE: ALL DEPTHS REFERENCE IN FEET BELOW GROUND SURFACE.  
Water table 474 bgs June 2018; Top of screen KAFB-106240 is 449 bgs.

NOT TO SCALE  
BGS=BELOW GROUND SURFACE  
FT-FEET



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Albuquerque, NM 87102  
Phone: (505) 224-9013

KIRTLAND AIR FORCE BASE

INSTALLATION START DATE/TIME:

INSTALLATION END DATE/TIME:

PROJECT NO.:

62599DM01

WELL ID:

KAFB-106246

GEOLOGIST:

DRILLER: