

C 1 8274

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Howard Co. Dept of Rec & Parks 7 Bags STREET OR RFD 3430 Court House TOWN Ellicott City SUBDIVISION Troy Hill Park Tennis Center SECTION LOT

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one) CEMENT BENTONITE CLAY

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from TOP ft. to BOTTOM ft.

CASING RECORD

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

ST BR HO PL OT STEEL BRASS OPEN HOLE PLASTIC OTHER

DEPTH (nearest ft.)

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min.)

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

A air P piston T turbine

C centrifugal R rotary O other (describe below)

J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

+ above LAND SURFACE

- below (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED Y N

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. M D 106

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MW D 553

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1	6981	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER H0-95-2010 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) _____

8 MM DD YY 13
Howard County Dept Rec+Parks

15 Last Name Owner First Name 34
Howard County Dept Rec+Parks

36 Street or RFD 55
3430 Court House Drive

57 Town 70 State 72 Zip 76
Ellicott City Md 21043

LOCATION OF WELL

B 3

8 COUNTY 21
Howard

23 SUBDIVISION 42
Croy Hill-Elkridge

SECTION 44 46 LOT 48 50
Elkridge

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 0 M I
73 76 77 78

DRILLER INFORMATION

Driller's Name 76 License No. 81
Marshal Arnette M S D 106

Firm Name
Allied Environmental Svcs

Address
PO Box 1242 Myerstown Md 21108

Signature Date
Marshal Arnette 9-9-10

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

1 2

(6500) NW Mansion Dr

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 560 37 DISTANCE FROM ROAD FT 38 39
560 FT

ENTER FT OR MI 38 39

TAX MAP: 37 BLK: 16 PARCEL 561

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) _____

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) _____

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

I INDUSTRIAL, COMMERCIAL, DEWATERING

P PUBLIC WATER SUPPLY WELL

T TEST, OBSERVATION, MONITORING

G GEO-THERMAL *1 Geothermal Test Bore*

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) *Public*

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S →

DATE ISSUED 41
9/27/2010 Brian Baker 9/27/2011

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 496 0 0 0 EAST GRID 869 0 0 0
50 55 57 63

APPROXIMATE DEPTH OF WELL 400 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- Driller Well*
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 869

N 496

000
000

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

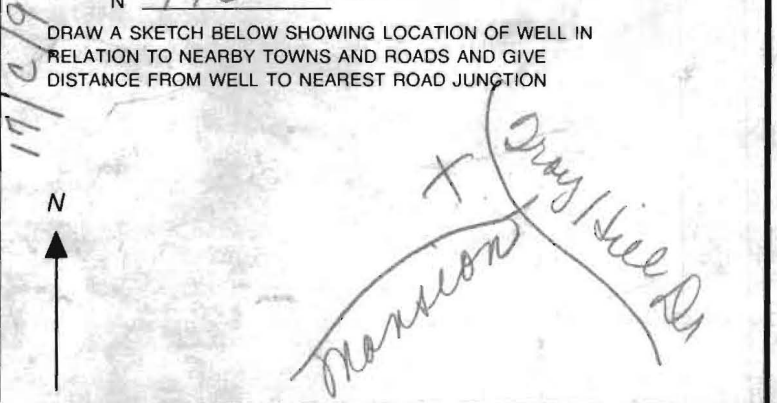
N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

D THIS WELL WILL DEEPEM AN EXISTING WELL

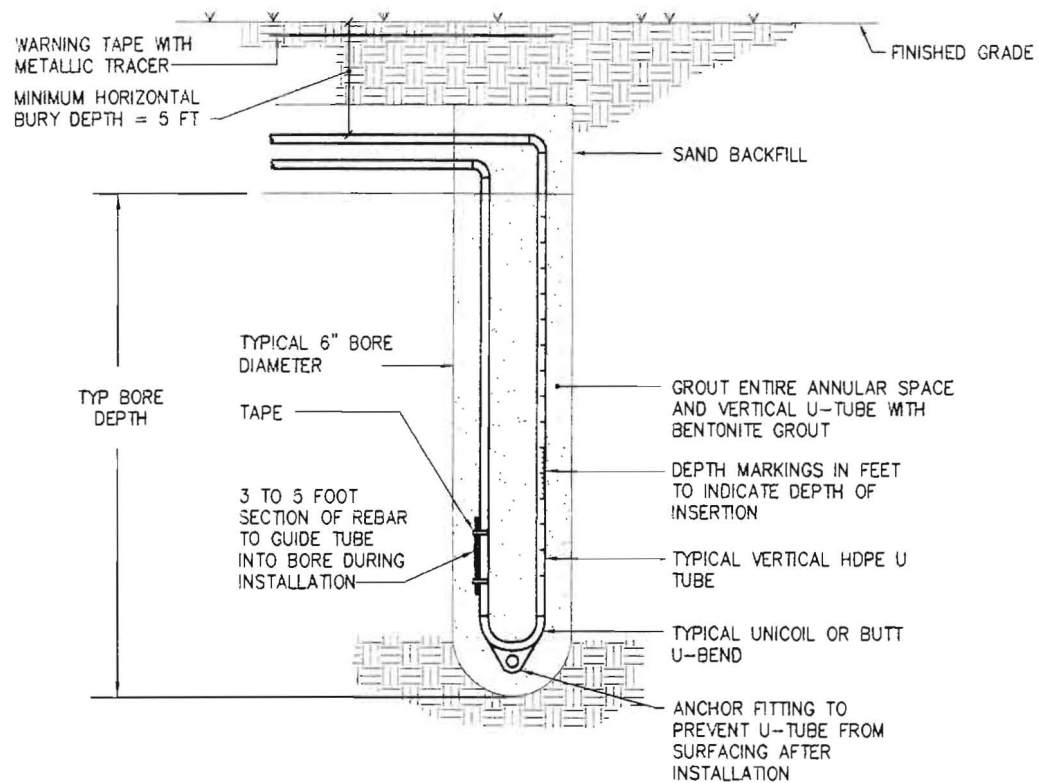
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G _____

PERMIT No. H0-95-2010
70 71 72 73 74 75 76 77 78 79

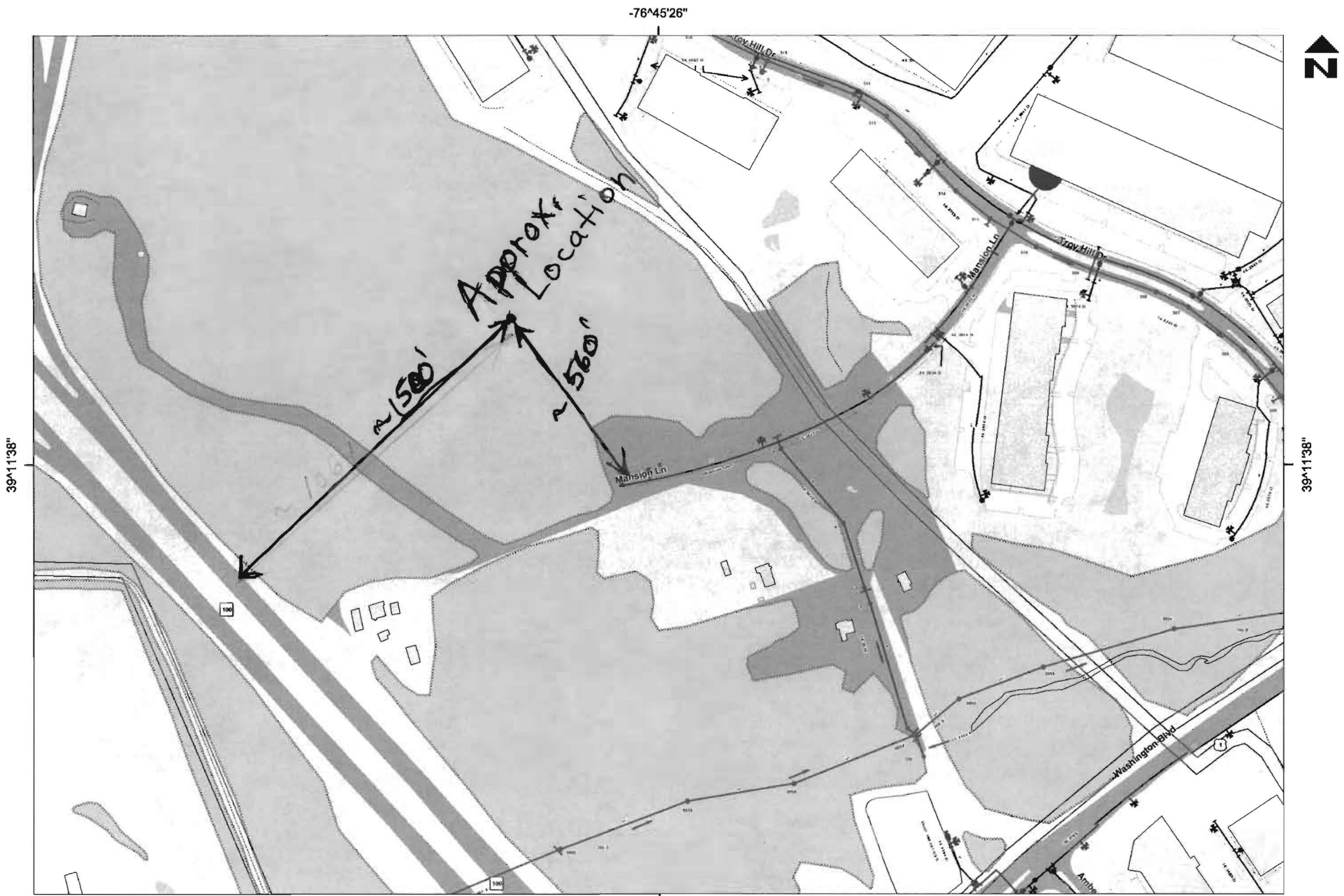


NOTES:

1. MINIMUM DISTANCE FROM LOT LINES, UTILITIES, FOUNDATIONS = 10 FT
2. MINIMUM DISTANCE FROM NONPUBLIC WELLS = 20 FT
3. MINIMUM DISTANCE FROM SEPTIC TANKS = 50 FT
4. MINIMUM DISTANCE FROM PUBLIC WELLS, SESS POOLS, SEWAGE FIELDS = 100 FT
5. PROVIDE 80 FT OF STEEL CASING EACH BORE HOLE (ABANDON IN PLACE)
6. BORE DEPTH SHALL BE 400'
7. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

2

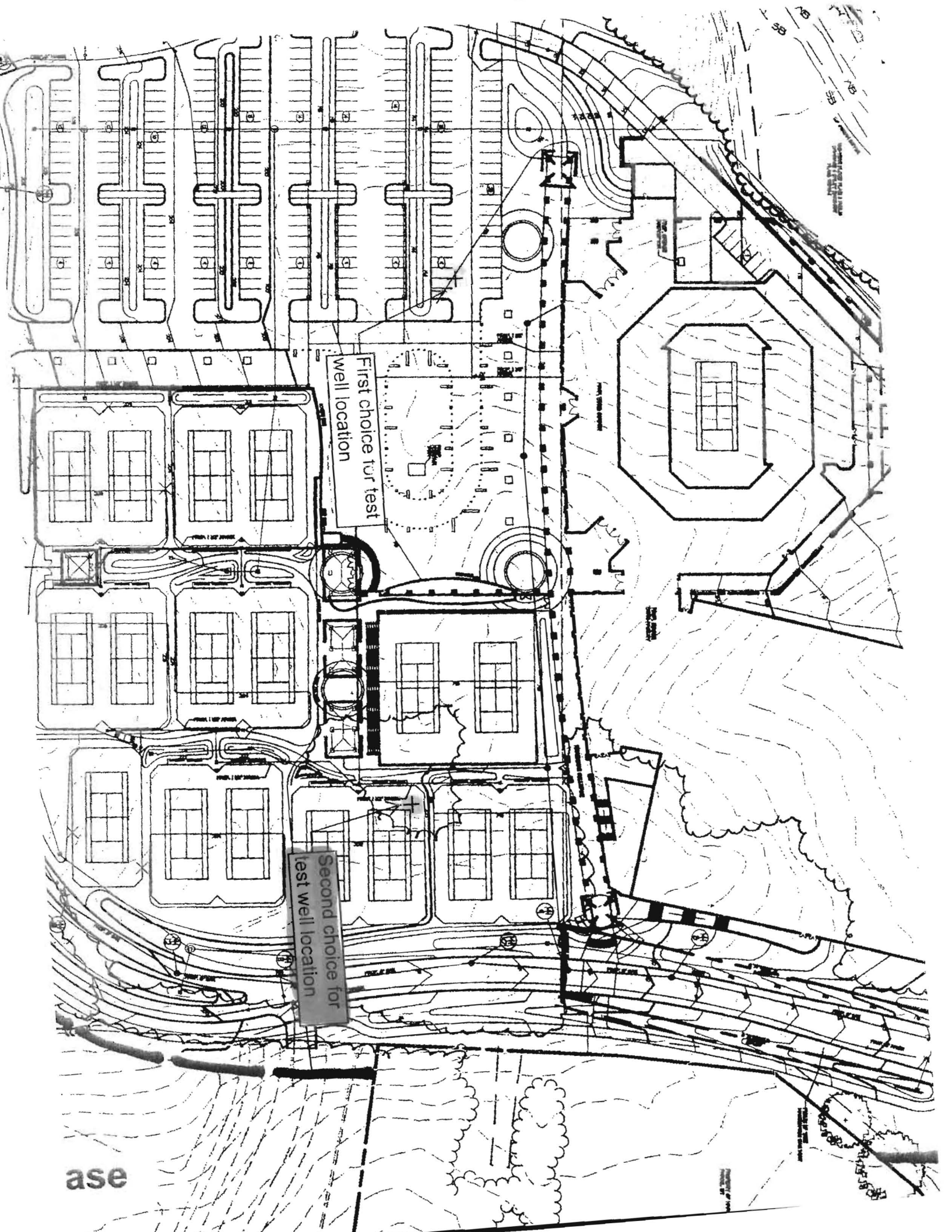
DETAIL - TYPICAL GEOTHERMAL HEAT PUMP WATER BORE HOLE



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-76°45'26"





First choice for test well location

Second choice for test well location

ase