

B 1

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

58759

559814

please type

HO - 15 - 0354

fill in this form completely

1 2 3 6

Date Received (APA)

10/27/16

OWNER INFORMATION

Walter Christopher + Cara
6400 Distant Melody Place
Columbia MD 21044

B 3

LOCATION OF WELL

Howard
Vil River Hill S2 A6 PH2
Columbia

DRILLER INFORMATION

John Hess MWD 558
Allied Environmental Svcs
PO Box 129, Annapolis Inlet MD 20700
John Hess 10/26/16

B 4

SOURCES OF DRILLING WATER

1. Public

6400 Distant Melody Pl
ON WHICH SIDE OF ROAD
DISTANCE FROM ROAD
TAX MAP: 35 BLK: PARCEL 447

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, DEWATERING
PUBLIC WATER SUPPLY WELL
TEST, OBSERVATION, MONITORING
OPEN LOOP GEOTHERMAL
CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME COUNTY NO. 13
STATE SIGNATURE INSERT S
DATE ISSUED 11/18/16 CO SIGNATURE 11/18/17 EXP. DATE

APPROXIMATE DEPTH OF WELL 320 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEMED AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER

PERMIT No. HO - 15 - 0354

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

all wells must be grouted from bottom to top.

PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL



1 | 18' 27"
2 | 31' 28"
3 | 23' 16"



Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.

C1 11097 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

COUNTY NUMBER

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

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 12-7-16

Depth of Well 320 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-15-0354

OWNER: Walterzak, Christopher + Cara; WELL SITE ADDRESS: 6400 Distant Melody; TOWN: Columbia MD; SUBDIVISION: SECTION: LOT: 188

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Overburden, Weathered Rock, and Med Gray Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (Cement CM, Bentonite Clay BC), NO. OF BAGS (30), NO. OF POUNDS (7500), GALLONS OF WATER (750), DEPTH OF GROUT SEAL (0 ft).

CASING RECORD: casing types insert appropriate code below (Steel ST, Concrete CO, Plastic PL, Other OT), MAIN CASING TYPE (60-70), Nominal diameter top (main) casing (63-64), Total depth of main casing (66-70).

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

SCREEN RECORD: screen type or open hole (insert appropriate code below: Steel ST, Brass BR, Open Hole HO, Plastic PL, Other OT), DEPTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS: WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P)

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...

DRILLERS LIC. NO. 1 M D 553; DRILLERS SIGNATURE; LIC. NO. 1 M D 559

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

DEPTH (nearest ft.) 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51; SLOT SIZE 1 2 3; DIAMETER OF SCREEN (NEAREST INCH) 56 60

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q; TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 8 9; PUMPING RATE (gal. per min.) 11 15; METHOD USED TO MEASURE PUMPING RATE; WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (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) 31 35. PUMP HORSE POWER 37 41. PUMP COLUMN LENGTH (nearest ft.) 43 47. CASING HEIGHT (circle appropriate box and enter casing height) + above, - below LAND SURFACE (nearest foot) 49 51

LATITUDE 39.19664; LONGITUDE 76.90968 (DEFAULT COORD. WGS 84)

NOTES: #2 39.19661 76.90971; #3 39.19659 76.90960

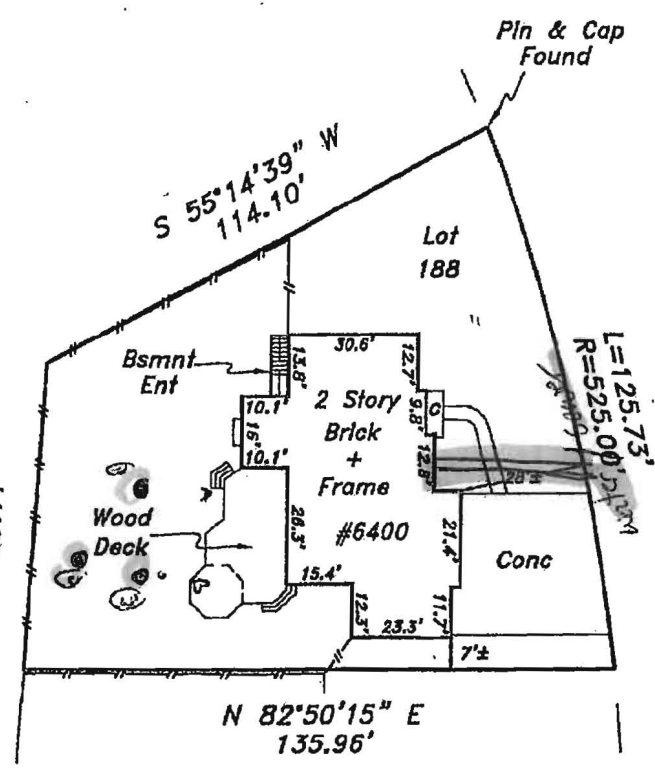
RECEIVED
NOV 18 2016
 HOWARD COUNTY HEALTH DEPT.
 COMMUNITY HYGIENE PROGRAM

*Distant
 Melody
 Place*

Open Space
 Lot 200

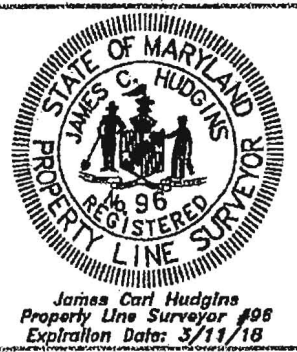
*Well sites ok
 11/18/16
 DR*

6	18	4
23	31	
27		B
16	28	



Lot 187

The purpose of this drawing is to locate, describe, and represent the positions of buildings and substantial improvements affecting the property shown hereon, being known as:
 Lot 188, Section 2, Area 6, COLUMBIA VILLAGE OF RIVER HILL
 recorded among the land records of Howard County, Maryland in Plat 12417



LOCATION DRAWING
6400 Distant Melody Place
15th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

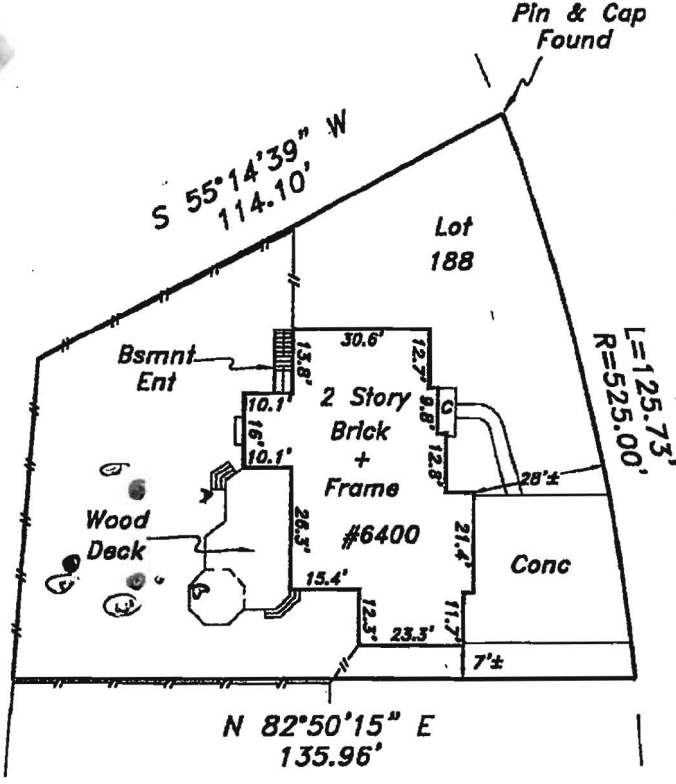


This is page one of a two page document. The advice found on the affixed page is an integral part of this drawing, and is not valid without all pages.

NTT Associates, Inc.
 16205 Old Frederick Rd.
 Mt. Airy, Maryland 21771
 Phone: (410) 442-2031
 Fax: (410) 442-1315
 www.nttsurveyors.com

Scale:	1" = 40'
Date:	5-8-16
Field By:	DR
Drawn By:	DR
File No.:	LMD25370
Page No.:	1 of 2

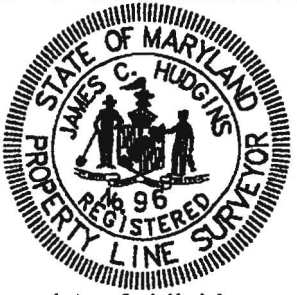
See revised site plan rec'd 11/13/16
 Open Space Lot 200



Distant Melody Place

18	27
31	28
23	16
A	B

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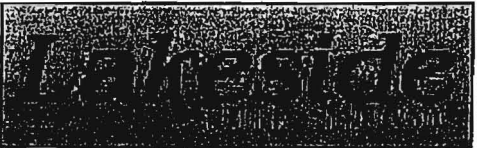
James Carl Hudgins
 Property Line Surveyor #96
 Expiration Date: 3/11/18

LOCATION DRAWING
 6400 Distant Melody Place
 15th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

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PREPARED FOR:



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HOWARD COUNTY GROUTING PROCEDURE

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than 2.5×10^{-8} cm/sec. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

GRADE

EACH BORE HOLE (TYP)

MINIMUM
HORIZONTAL BORE
DEPTH 4 FT

FOR CONT.
SEE PLANS

Bore Depth

TAPE

5 TO 10 FOOT SECTION OF
REBAR TO GUIDE TUBE
INTO BORE DURING
INSTALLATION

ANCHOR FITTINGS TO
PREVENT U-TUBE FROM
SURFACING AFTER
INSTALLATION

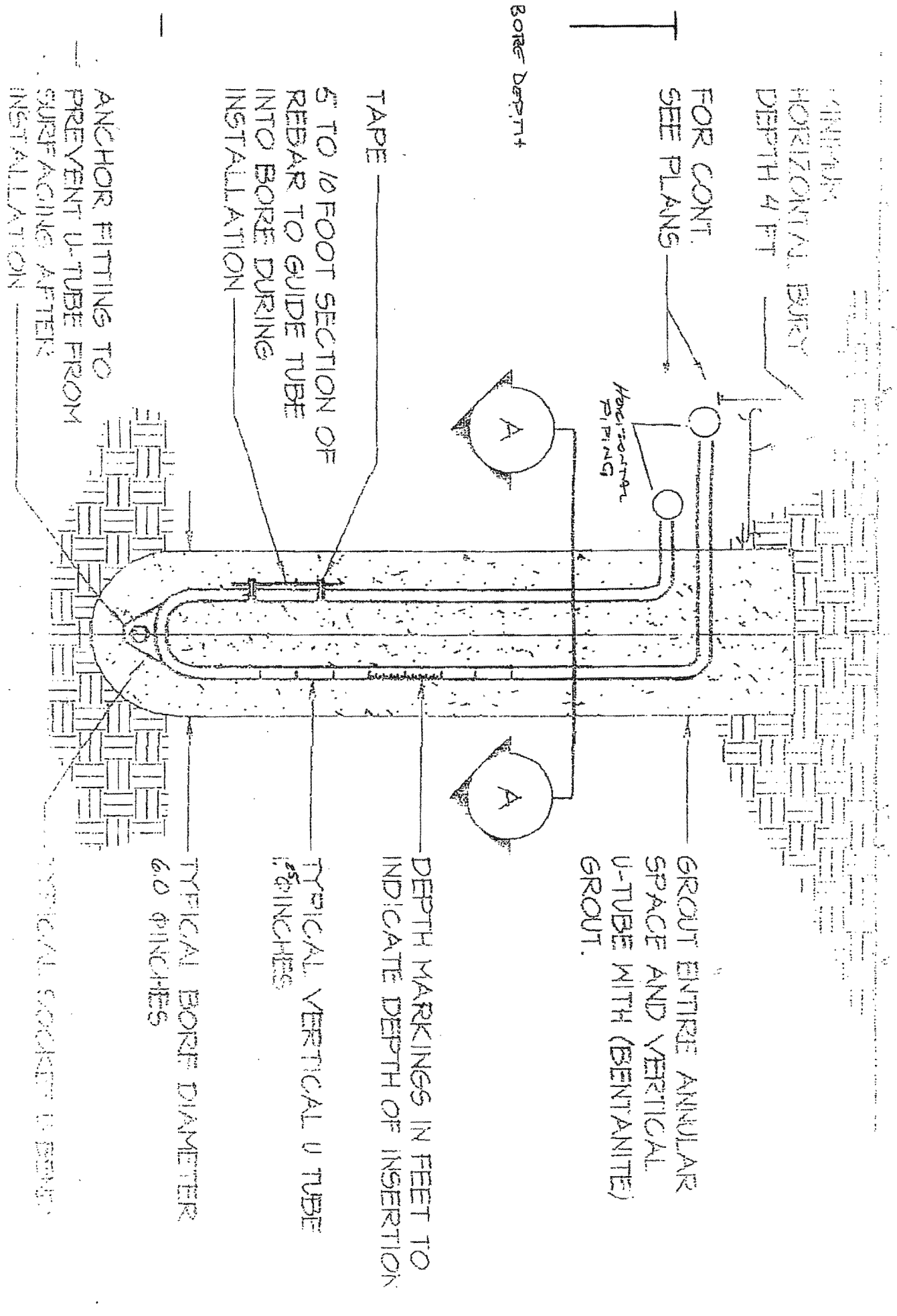
GROUT ENTIRE ANNULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTONITE)
GROUT.

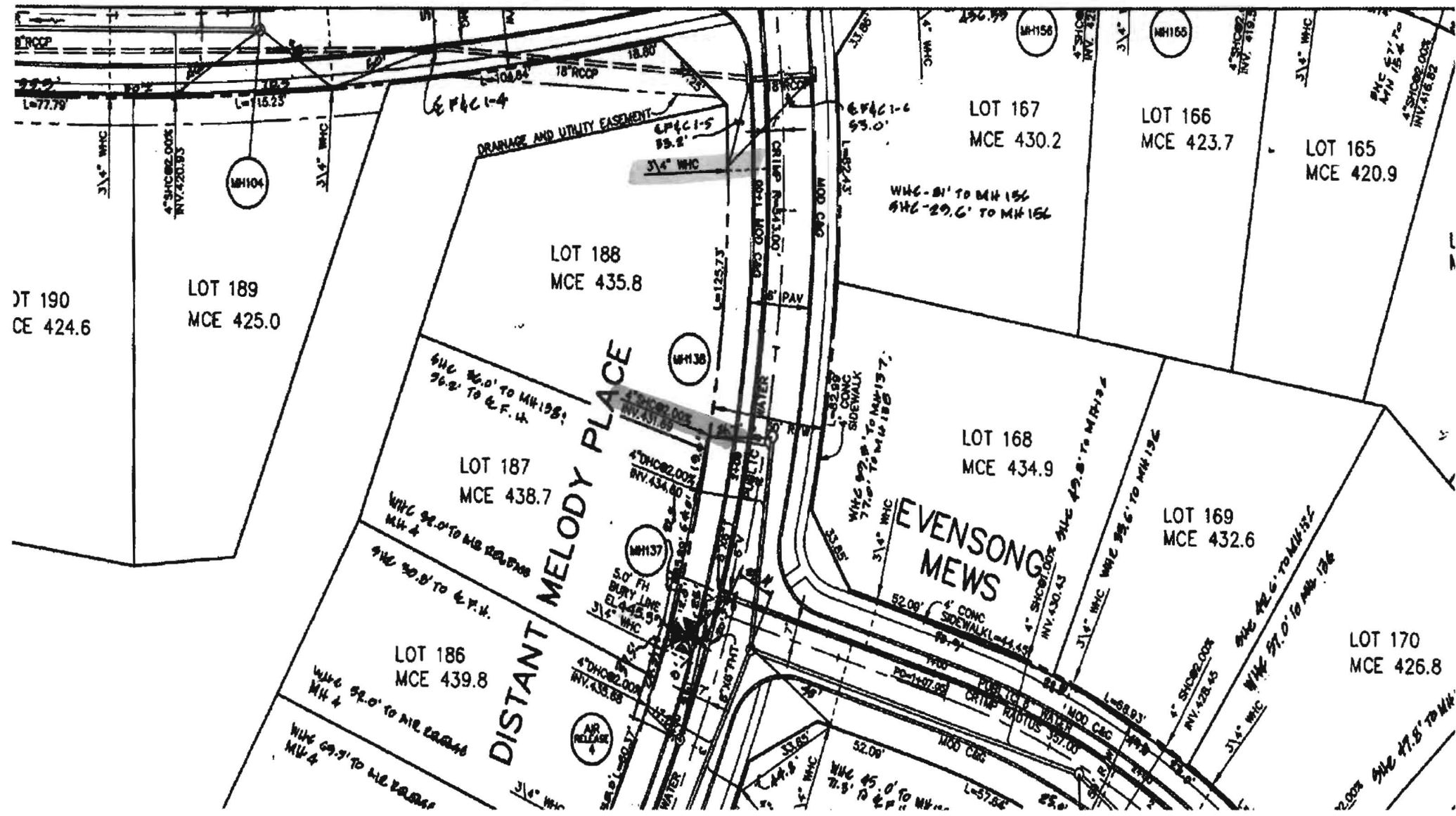
DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE
1 1/2 INCHES

TYPICAL BORE DIAMETER
6.0 INCHES

TYPICAL SOCKET IN BENTONITE





LOT 190
CE 424.6

LOT 189
MCE 425.0

LOT 188
MCE 435.8

LOT 187
MCE 438.7

LOT 186
MCE 439.8

LOT 167
MCE 430.2

LOT 166
MCE 423.7

LOT 165
MCE 420.9

LOT 168
MCE 434.9

LOT 169
MCE 432.6

LOT 170
MCE 426.8

DISTANT MELODY PLACE

EVENSONG MEWS

DRAINAGE AND UTILITY EASEMENT

5.0' FH
BURY LINE
PL 4-45.59

AP
RELEASE



HOWARD COUNTY HEALTH DEPARTMENT

59814

DATE 10/27/16

W5

Received From

Allied Env. Services

Services

PHONE #

301

776-8370

me

For

Well permit / -6400 Desert
Melody Pl.

CASH

CHECK

NO.

12833

One hundred sixty

Dollars

\$

160.00

Received By

King