PERMIT

INDEXED

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 5136b4-B
A 5136b4-B

03-325148

DISTRICT

DATE

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE SYSTEM APPROVED 9/28/00

INSPECTOR S.R.K

Jacobsen Homes IS PERMITTED TO INSTALL X ALTER

ADDRESS 5906 Elizabeth Ct. Fulton 20759 PHONE 3019532083

SUBDIVISION Lyndonbrook LOT 10 ROAD 2090 St. James Road

PROPERTY OWNER Timothy & Michelle Zinn

ADDRESS 5906 Edmondson Avenue, Catonsville, MD 21228

BUILDING PERMIT SIGNED AND RETURNED

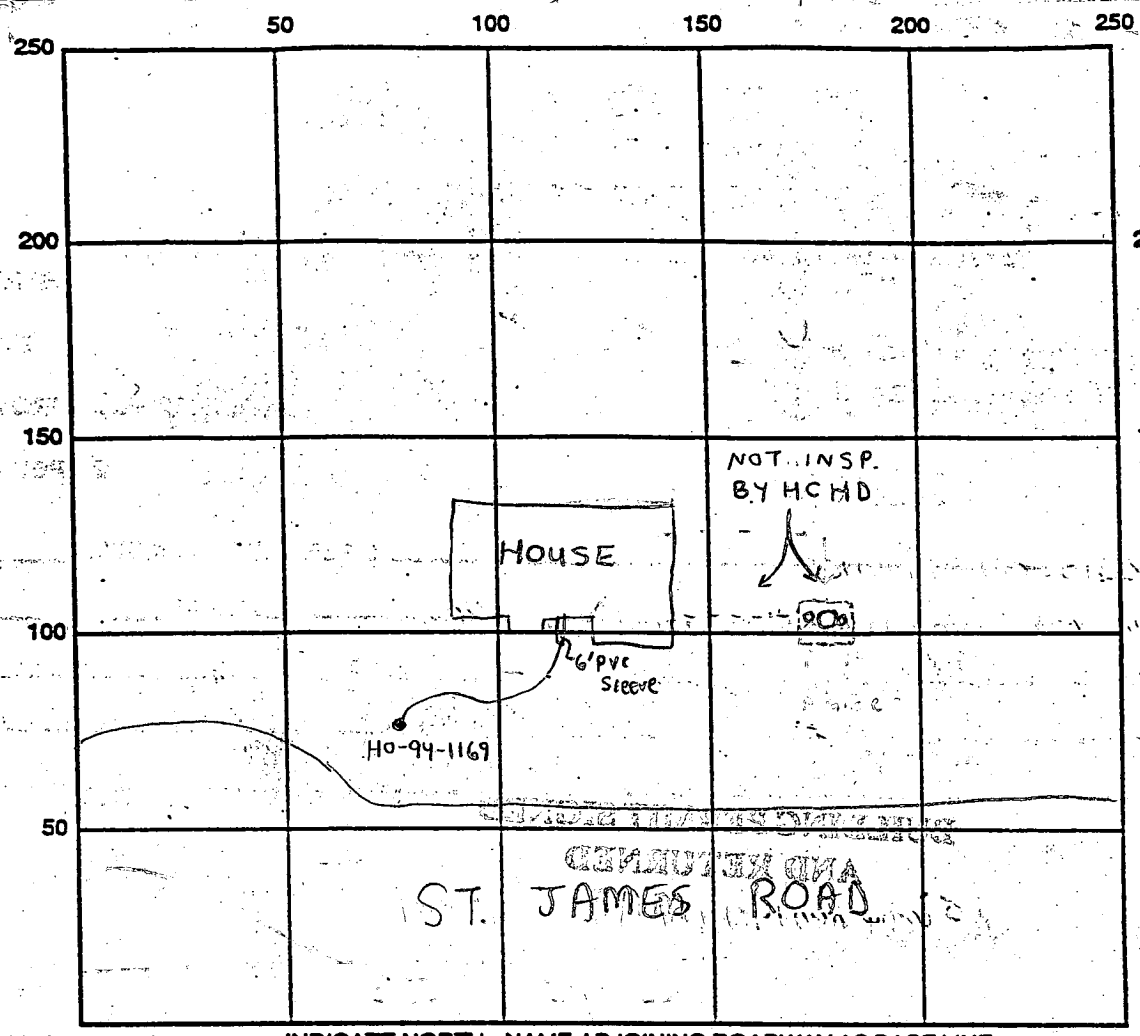
Number of bedrooms: 4

5-6-04 B00147987-DECK + PORCH

- House is served by a shared community septic system. As part of the general permit for the community system, items previously installed or under construction include individual ~~septic tank~~, connection from tank to common effluent line, community system headworks, and shared disposal fields.
- This portion of the septic installation permit is strictly limited to authorization of the individual pump in the pump pit with associated piping and electrical controls, and installation of the individual house sewer line. Location as per the signed building permit site plan, copy attached.
- ~~Contact Health Department for inspection before covering the installation.~~
- For the pump test 48 hour advance notice of inspection is required. Where adequate notice has been provided, installation may proceed to completion one-half hour after the scheduled inspection time.

Plans approved Amy McMillen Date: 4/24/2000

A5136044B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL _____ CLEANOUTS _____

REMARKS: 7/21/00 - WPI INSPECTION = NEEDS HOUSE CONNECTION. PROPER 1" or 3/4" PVC CONDUIT ADAPTER FOR PROPER FIT INTO 2 PC CAP. 2 PC CAP ALSO NEEDS TO BE INSTALLED SECURELY TO CASING. PITLESS AND PIPING ON-TO COVER.

PUMP CHAMBER → AND HOUSE SEWER ALREADY INSTALLED →

~~→~~ INSPECTED BY HOWARD COUNTY PLUMBING INSPECTORS - SRM

GRINDER PUMP PERFORMANCE TEST NEEDED - SRM

9/27/00 PUMP PERFORMANCE SCHEDULED FOR 11:00 - NO ONE AT SITE @ 11:15 (CW)

BUILDER REQUIRED - REPORTED ELECTRICAL CORRECTION NEEDED - RESCHEDULED FOR 9/28

9/28/00 - RECEIVED FAX FROM MATT TUDOR (BUREAU OF UTILITIES)

SYSTEM OPERATIONAL - SRM

DATE SYSTEM APPROVED 9/28/00 INSPECTOR Steven R. Kreig

FAX cover sheet

Howard County
Bureau of Utilities
8270 Old Montgomery Rd.
Columbia, Md. 21045
Tel. : 410 313 4900
Fax : 410 313 4989

To : Water & Sewer Program

Date : 9/28/00 Number of pages including this one One

Fax Number : 2648

From : Matt Tudor

Comments : Lyndon Oak Shore Septic
Jacobson Homes lot 10 of
2090 St. James Road
Completed sewer pump testing today.
The pump operation was fine. The
dwelling now has sewer service. The
dwelling is released for U&O.

7/24/00 Anytime
7/25/00 Anytime

Job #
410313 2648

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
~~461-9933~~
410 313 2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement

Receipt # _____
Date _____

Name of Installer Ben Lewis Inc Telephone 4283900

License Number 11202
Certified Well Pump Installer ____ Well Driller ____ Registered Plumber X

Name of Property Owner Gresham Homes Telephone 410 792 7172
Subdivision Lynbrook Lot # 18 Well Tag # HO-94-1169
Site Address 2090 ST James Rd
2090

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible X
2. Make Bonded
3. Model # ____
4. Capacity ____ GPM
5. Pump exceeds well capacity Yes ✓ No ____
6. If Yes, is low pressure cutoff switch installed? Yes ✓ No ____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ____ Cable guards ____ Other ____

Motor
1. Horsepower 1/3
2. RPM ____
3. Voltage ____
   a. 110 ____
   b. 220 ✓

Pitless Adapter
1. Make ____
2. Model # ____
3. Depth 42

Tank
1. Capacity ____
2. Pressure relief valve? Yes

Piping 200
1. Type 160
2. Size 1"
3. NSF and/or BOCA Code approved Yes
4. Depth of supply line ____

Well data
1. Depth 245 ft.
2. Yield ____ GPM
3. Static water level 30 ft.
4. Will water supply be disinfected by installer? Yes

7/25/00 WPI not done house conn on needs 2pc cap (Alm -SRK)
9/27/00- 2pc cap ok (CW) SRK

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

7/21/00 - WPI not finalled Needs house connection & proper conduit connection and 2piece cap installed securely. (SRK)

Signature of Applicant: Ben Lewis

Date: 7/21/2000

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215

GE POST DRIVEN A
MUM OF 16" INTO
GROUND

NDARD SYMBOL

—SF—

n into the
13/4" diameter
osts will be
near foot.

wire ties
equirements

SMT 509
SMT 509
SMT 322
SMT 322

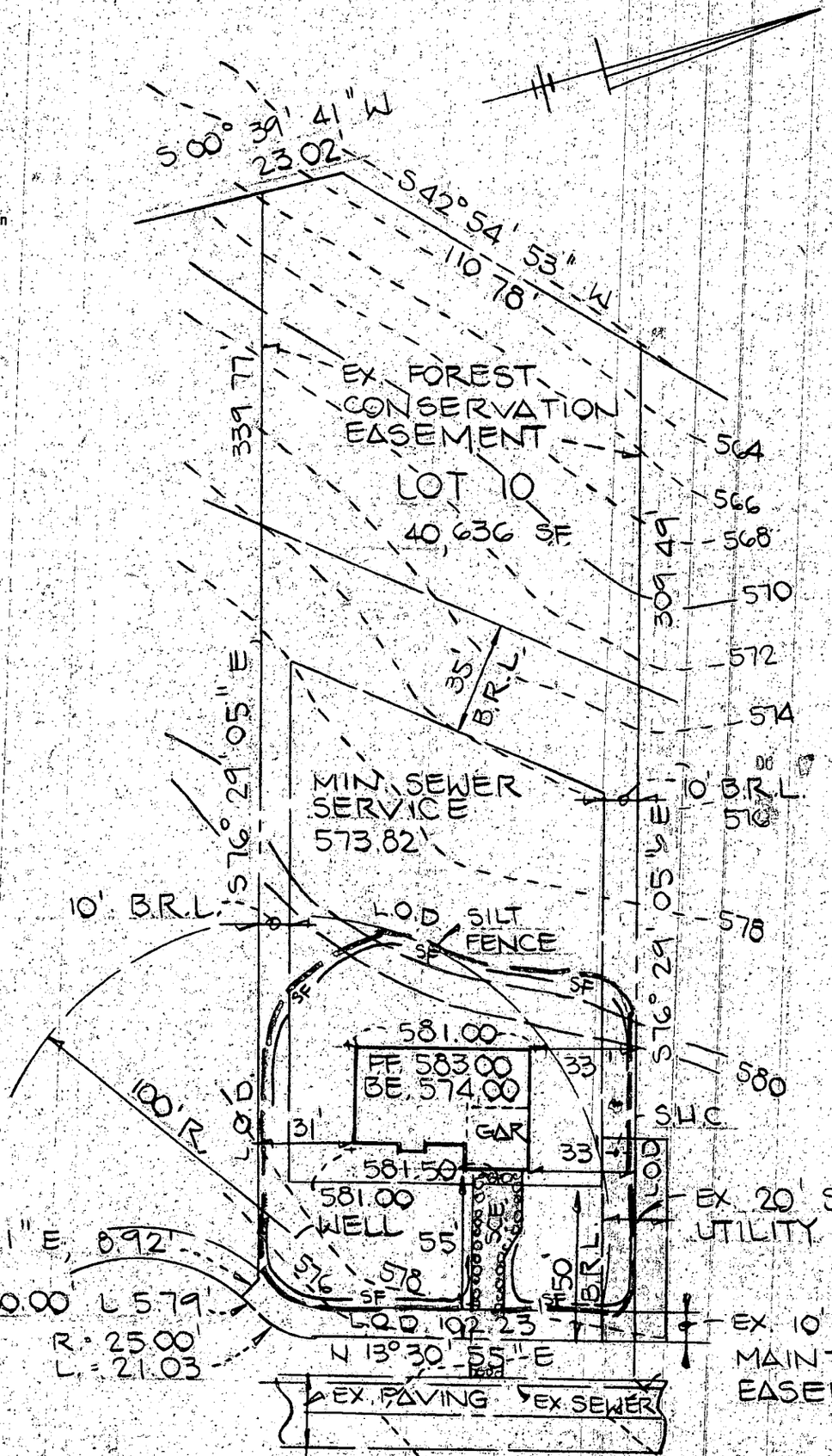
overlapped,

naintained when
fabric height.

ENGINEER FC&C

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO
No.
2. PROPOSED 1500 GALLON SEPT
3. A. FIRST FLOOR ELEVATION:
B. BASEMENT ELEVATION:
C. INVERT OF SEPTIC SYSTEM
D. INVERT IN AT SEPTIC TANK
E. INVERT OUT AT SEPTIC TA
F. PROPOSED GRADE OVER SE
G. INVERT AT DISTRIBUTION B
H. EXISTING GROUND OVER DI
4. LENGTH OF TRENCH TO BE DE
ISSUANCE
5. CONTRACTOR / BUILDER TO V
ANY CONSTRUCTION.
6. THERE IS NO BASEMENT SERV

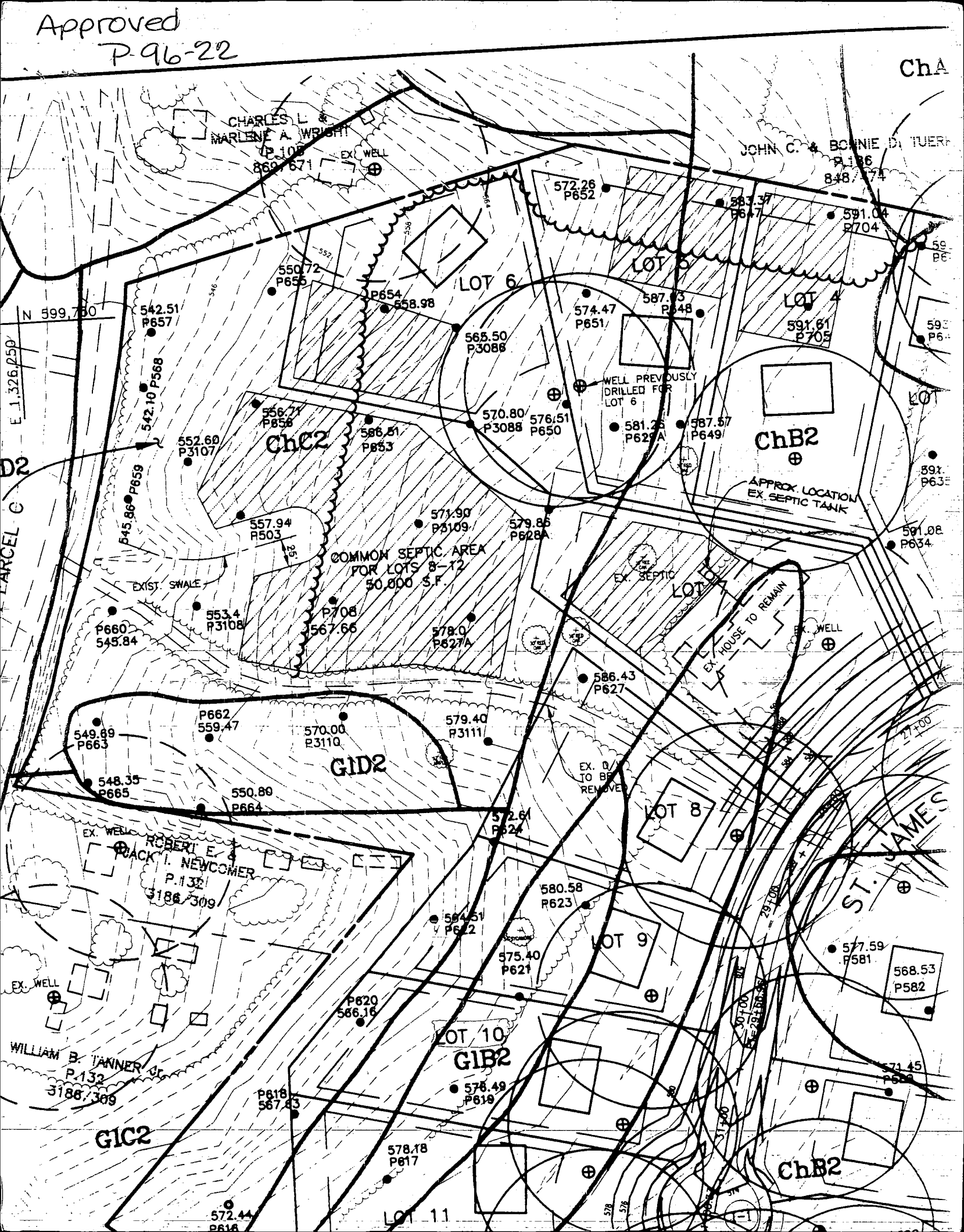


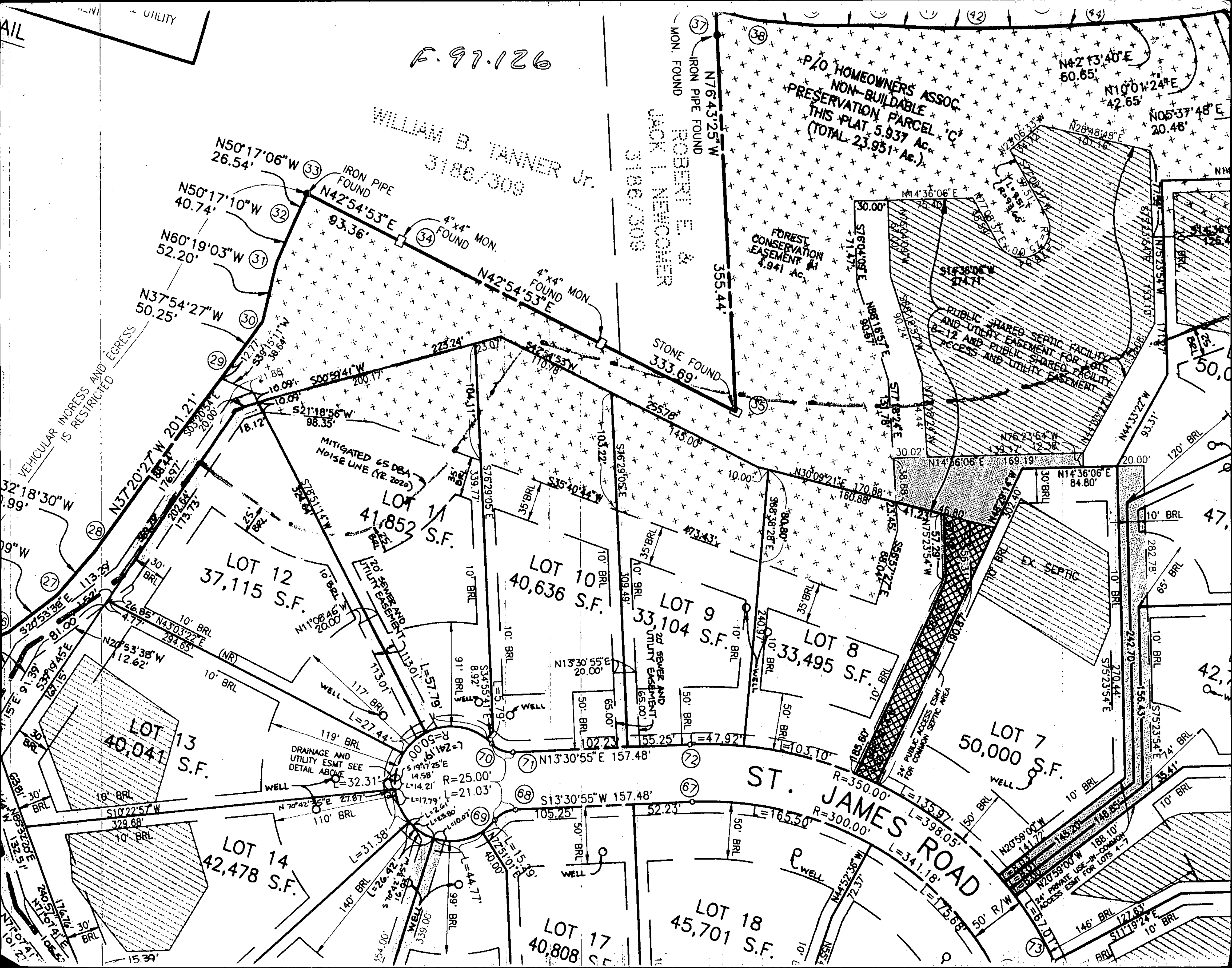
Approved BP
11/24/00

GP.

PLAN TO ACCOM
FOR BUI
LOT
LYNDON
3RD ELECTION DI
MARCH 29, 200

Approved
P-96-22





F.97.126
WILLIAM B. TANNER Jr.
3186/309
ROBERT E. & JACK L. NEWCOMER
3186/309
P/O HOMEOWNERS ASSOC.
NON-BUILDABLE
PRESERVATION PARCEL 'C'
THIS PLAT 5.937 Ac.
(TOTAL 23.951 Ac.)
FOREST CONSERVATION EASEMENT #1
4.941 Ac.
PUBLIC SHARED SEPTIC FACILITY AND UTILITY EASEMENT FOR LOTS 8-12 AND PUBLIC SHARED FACILITY ACCESS AND UTILITY EASEMENT
MITIGATED 65 DBA NOISE LINE (YR. 2020)
VEHICULAR INGRESS AND EGRESS IS RESTRICTED
IRON PIPE FOUND
MON. FOUND
4"x4" MON. FOUND
STONE FOUND
N76°43'25"W 355.44'
N42°54'53"E 93.36'
N42°54'53"E 333.69'
N50°17'06"W 26.54'
N50°17'10"W 40.74'
N60°19'03"W 52.20'
N37°54'27"W 50.25'
N37°20'27"W 201.21'
N42°13'40"E 50.65'
N10°01'24"E 42.65'
N05°37'48"E 20.46'
N30°09'21"E 170.88'
N14°36'06"E 169.19'
N14°36'06"E 84.80'
N13°30'55"E 157.48'
S13°30'55"W 157.48'
N20°59'00"W 188.10'
S10°22'57"W 329.68'
LOT 7
50,000 S.F.
LOT 8
33,495 S.F.
LOT 9
33,104 S.F.
LOT 10
40,636 S.F.
LOT 11
41,852 S.F.
LOT 12
37,115 S.F.
LOT 13
40,041 S.F.
LOT 14
42,478 S.F.
LOT 17
40,808 S.F.
LOT 18
45,701 S.F.
ST. JAMES ROAD
50' R/W
R=350.00'
R=300.00'
R=50.00'
R=25.00'
L=21.03'
EX. SEPTIC
20' SEWER AND UTILITY EASEMENT
DRAINAGE AND UTILITY ESMT SEE DETAIL ABOVE
24' PUBLIC ACCESS ESMT FOR COMMON SEPTIC AREA
24' PRIVATE USE-IN-COMMON ACCESS ESMT FOR LOTS 4-7
WELL
10' BRL
35' BRL
50' BRL

C 1 | 6069 | SEQUENCE NO. (MDE USE ONLY)

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

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

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

COUNTY NUMBER 50560-J

ST/CO USE ONLY
DATE Received MM DD YY

DATE WELL COMPLETED: MM 6 DD 2 YY 97

Depth of Well: 185 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": HO-94-1169

OWNER SDC (last name) (first name)

STREET OR RFD St. James Road TOWN West Friendship

SUBDIVISION Stiegler Property SECTION LOT 10

WELL LOG
Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET FROM	FEET TO	check if water bearing
Sand	0	28	
Gray Mica Rock	28	185	✓

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: yes (Y) no (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.: MSD0244

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION): Joseph L Mayne

LIC. NO.: MSD0227

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box): yes (Y) no (N)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 9 NO. OF POUNDS 846

GALLONS OF WATER 54

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. (TOP) to 30 ft. (BOTTOM) (enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

ST STEEL | CO CONCRETE | PL PLASTIC | OT OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
ST	6	32

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	depth (feet) to

SCREEN RECORD
screen type or open hole — insert appropriate code below

ST STEEL | BR BRASS BRONZE | HO OPEN HOLE | PL PLASTIC | OT OTHER

C 2

EACH SCREEN	DEPTH (nearest ft.)
1	HO 30 185
2	
3	

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (NEAREST INCH)

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

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): 3

PUMPING RATE (gal. per min.): 5

METHOD USED TO MEASURE PUMPING RATE: Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING: 39 ft.

WHEN PUMPING: 130 ft.

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 WILL INSTALL PUMP (CIRCLE) (YES or NO): YES 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.)

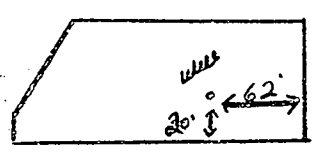
CASING HEIGHT (circle appropriate box and enter casing height)

(+) above LAND SURFACE

(−) below

2 (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)



COUNTY

EMERGENCY/TEMP NO. IF ANY

B 1 | 9400 | SEQUENCE NO. (MDE USE ONLY)
1 2 3 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
Ho-94-1169
70 79
fill in this form completely

Date Received (APA) 4/22/97
8 MM DD YY 13

OWNER INFORMATION

SOC
15 Last Name Owner First Name 34

P.O. Box 417
36 Street or RFD 55

Ellicott City MD. 21041
57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Joseph L. Mayne M SD 024
Driller's Name 76 License No. 81

Joseph L. Mayne Well Drilling
Firm Name

5512 Ridge Rd. Mt. Airy 21771
Address

Joseph L Mayne 4/21/97
Signature Date

B 2 | WELL INFORMATION
1 2

APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

(D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

[F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION

22 [I] INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)

[P] PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL

[T] TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

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 DEEPENED 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

39 [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 DEEPEN AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER GAP
54 63

FORCE KM WRITE INITIALS IN BOX PERMIT No. HO-94-1169
67 68 70 71 72 73 74 75 76 77 78 79

B 3 | LOCATION OF WELL

Howard
8 COUNTY 21

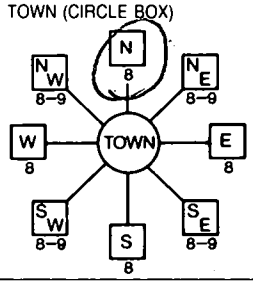
Steeler Property
23 SUBDIVISION 42

SECTION 44 46 LOT 10 48 50

West FRIENDship
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M I
73 76 77 78

B 4 | DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
1 2



St James Rd.
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 60 37
DISTANCE FROM ROAD Ft
ENTER FT OR MI 38 39

TAX MAP: ____ BLK: ____ PARCEL ____

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard 13
COUNTY NAME COUNTY NO.

STATE SIGNATURE ____ INSERT S → 41

DATE ISSUED 5-21-97 Kim Maisel 5-21-98
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 538 000
50 55

EAST GRID 814 000
57 63

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X →

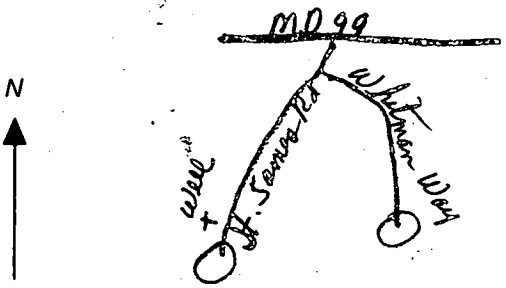
SOURCES OF DRILLING WATER
1. Well
2.
3.

6-2-97 X
grout ok
location ok
KM

WRITE THE BOX NUMBER FROM THE MAP HERE

E 816 4 .000
N 5 4038 .000

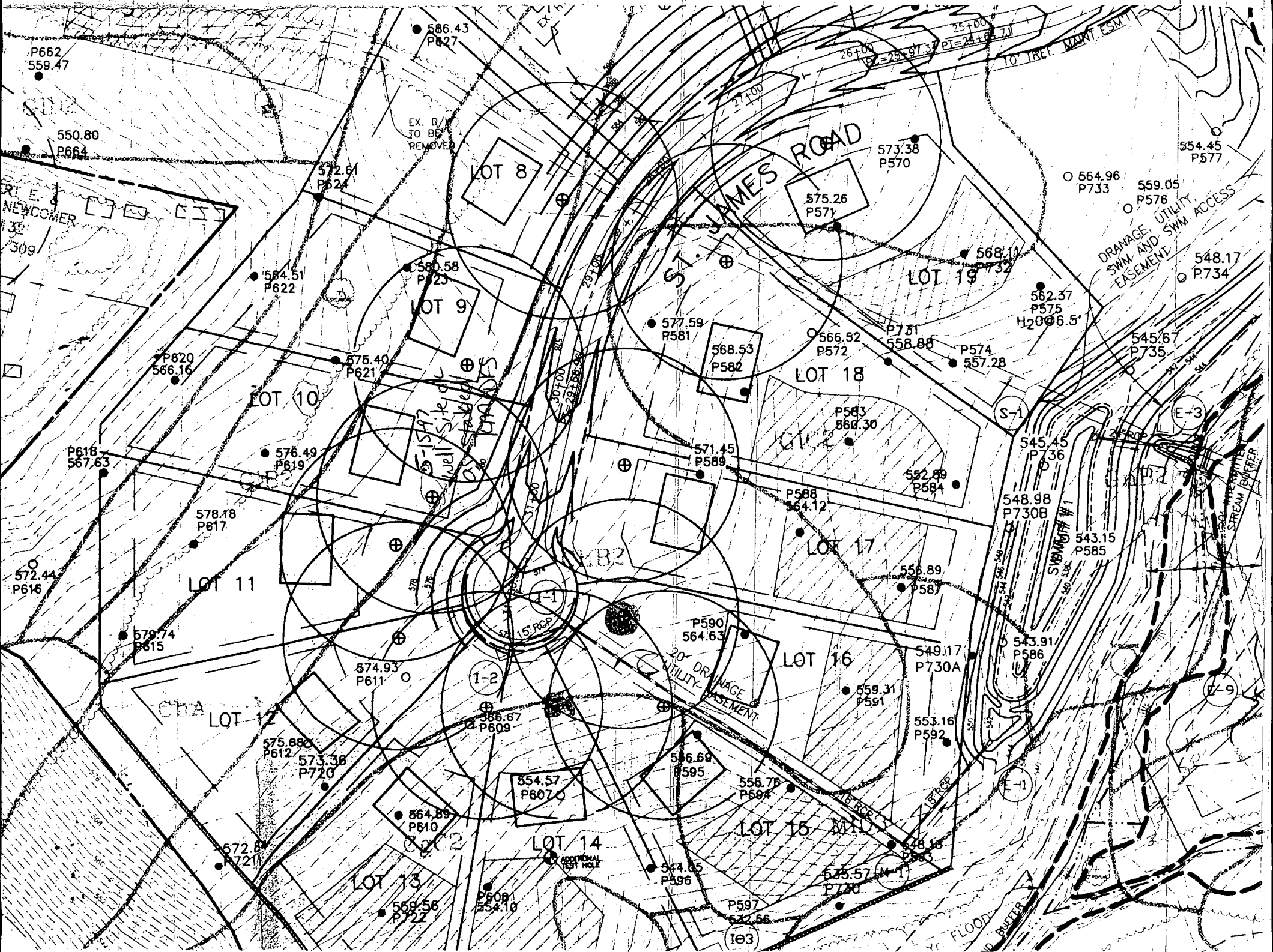
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

West Friendship

COUNTY


ST. JAMES ROAD
LOT 8
LOT 9
LOT 10
LOT 11
LOT 12
LOT 13
LOT 14
LOT 15
LOT 16
LOT 17
LOT 18
LOT 19
P662 559.47
550.80 P664
572.61 P624
586.43 P627
564.51 P622
560.58 P623
575.40 P621
P620 566.16
576.49 P619
P618 567.63
578.18 P617
572.44 P616
579.74 P615
574.93 P611
575.88 P612
573.38 P720
572.87 P721
569.56 P722
564.89 P610
566.67 P609
554.57 P607
P608 554.10
544.65 P596
P597 532.56
566.69 P595
556.76 P594
535.57 P770
548.16 P593
559.31 P591
549.17 P730A
543.91 P586
553.16 P592
556.89 P587
543.15 P585
548.98 P730B
552.89 P584
571.45 P589
P588 564.12
P583 560.30
577.59 P581
568.53 P582
566.52 P572
P731 558.88
P574 557.28
573.38 P570
575.26 P571
564.96 P733
559.05 P576
554.45 P577
568.11 P732
562.37 P575
H20@6.5'
548.17 P734
545.67 P735
545.45 P736
TO TREE MAINT ESMT
DRAINAGE, UTILITY, SWM AND SWM ACCESS EASEMENT
EX. D/W TO BE REMOVED
NEWCOMER
20' DRAINAGE & UTILITY EASEMENT
15" RCP
18" RCP
24" RCP
SWM POND #1
100' STREAM BUFFER
FLOOD
I-1
I-2
I-3
E-1
E-2
E-3
S-1
25+00
26+00
27+00
28+00
29+00
30+00
31+00

Page 1 of
Date 6/2/97

Review OK 6/16/97 PKG

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1169
Location of property (road) S. James Road
Subdivision Stiegler Property Lot 10 Block ____ Plat ____ Sec. ____
Well Driller Joseph Maupe Owner SDC

Depth of well 185'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 39'

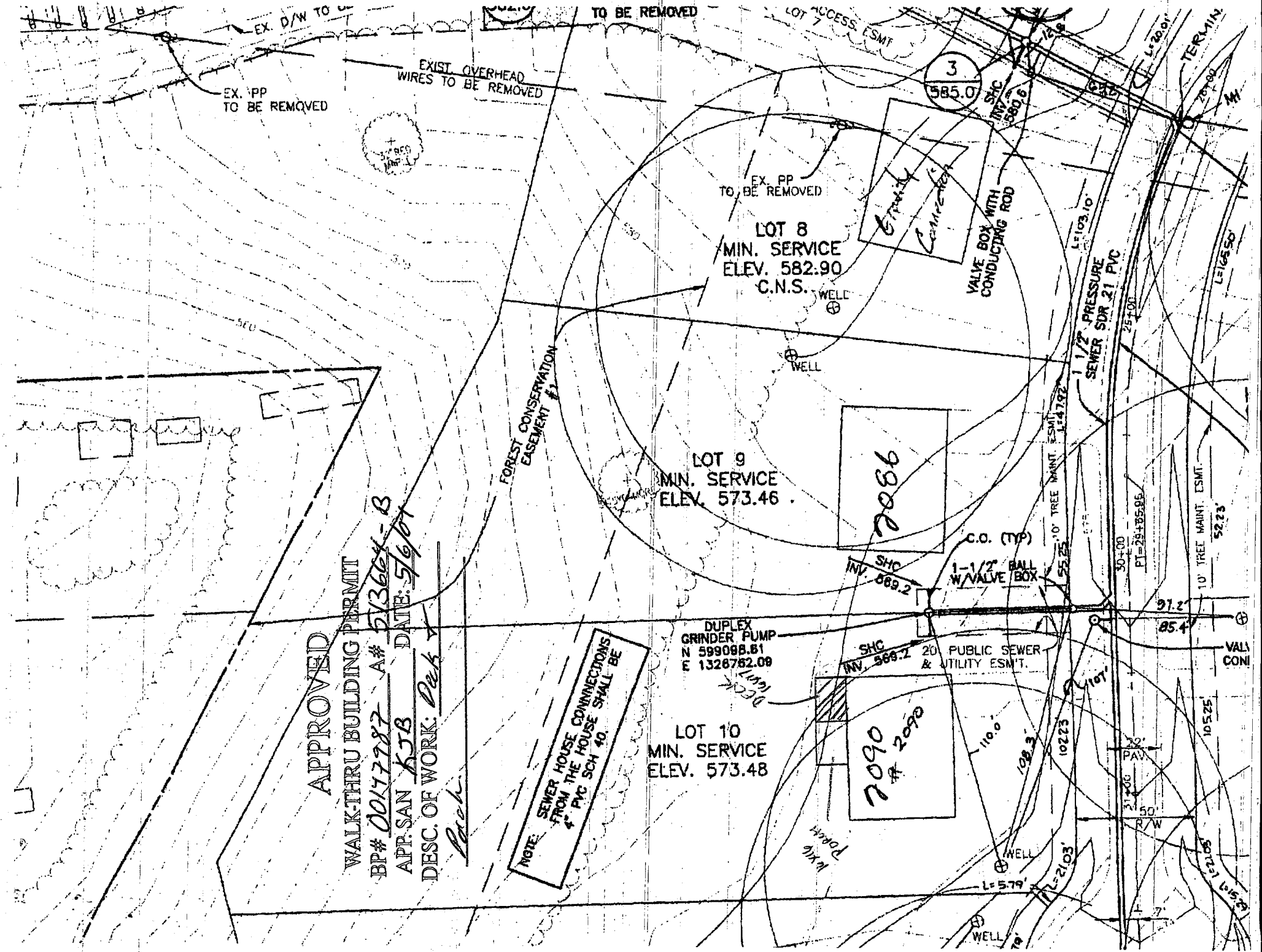
I. High rate pumping -- reservoir drawdown

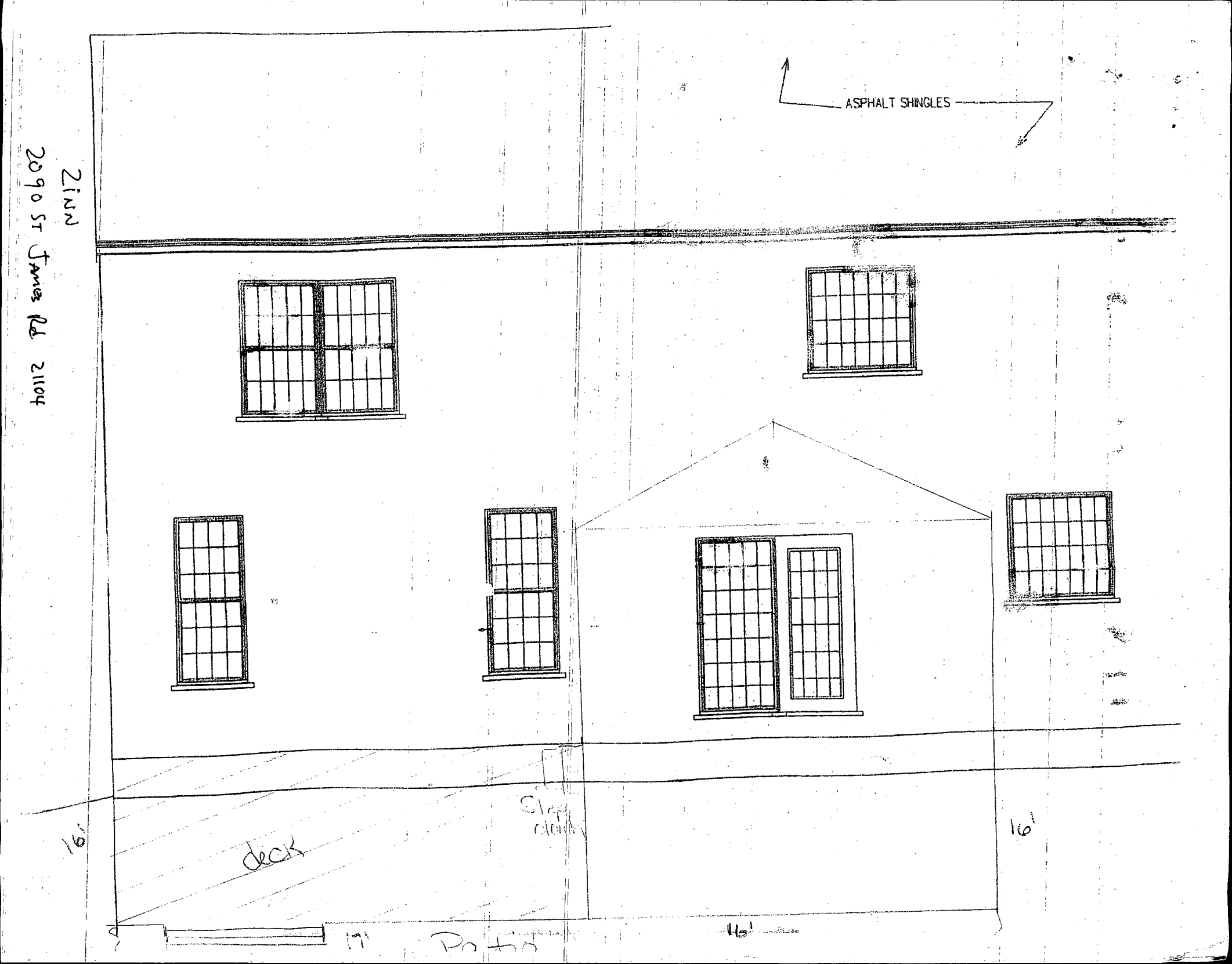
Time pump started 6:45 Pumping rate 20 gpm.
Total time 30 min. to reach pumping water level 130 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:00	98'	3 sec.		20 gpm
7:15	130	130		20 gpm
7:30	129	12		5
7:45	129	12		5
8:00	129	12		5
8:15	129	12		5
8:30	129	12		5
8:45	129	12		5
9:00	129	12		5
9:15	129	12		5
9:30	129	12		5
9:45	129	12		5
10:00	129	12		5
10:05	129	12		5

HD-224


EX. D/W TO BE REMOVED
EXIST. OVERHEAD WIRES TO BE REMOVED
EX. PP TO BE REMOVED
TO BE REMOVED
LOT ACCESS ESMT.
3
585.0
INV. 580.6
EX. PP TO BE REMOVED
LOT 8
MIN. SERVICE
ELEV. 582.90
C.N.S.
WELL
VALVE BOX WITH CONDUCTING ROD
1 1/2" PRESSURE SEWER SDR 21 PVC
FOREST CONSERVATION EASEMENT #1
LOT 9
MIN. SERVICE
ELEV. 573.46
2066
C.O. (TYP)
1-1/2" BALL W/VALVE BOX
INV. 569.2
10' TREE MAINT. ESMT.
DUPLEX GRINDER PUMP
N 599098.81
E 1326752.09
INV. 569.2
20' PUBLIC SEWER & UTILITY ESMT.
LOT 10
MIN. SERVICE
ELEV. 573.48
2090
NOTE: SEWER HOUSE CONNECTIONS FROM THE HOUSE SHALL BE 4" PVC SCH 40.
APPROVED
WALK-THRU BUILDING PERMIT
BP# 02172282 A# 5/3664-B
APP. SAN KJB DATE: 5/6/02
DESC. OF WORK: Deck
Deck
PA
R/W
WELL
L=5.79'
L=21.03'
TERMIN.


ASPHALT SHINGLES
Zinn
2090 St James Rd 21014
16'
deck
Step
16'
16'
Patio