

MOUND TEST DATA SHEETS

Property I.D. Patuxent Chase Lot 88 Lot # 88 Date 11-9-10

Sanitarian HS Landscape Position _____

% Slope _____ Soil Type ChB2 Contractor Fogles

HOLE # 222 DEPTH OF TEST 18" START TIME 9:35

10"
 15"
 24"
 38"
 5'

brn ^{100%} scl
 1msbk

brn scl
 1msbk

brn cl
 Ø massive

yellow/red
 brn scl

yellow brn
 scl 10%
 quartz

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 16/16	Ø			
9 6/16	15	1 10/16		
8 4/16	15	1 2/16		
7 2/16	15	1 2/16		
6 4/16	15	1 2/16		
4 2/16	15	1 0/16		

9:50
 10:05
 10:20
 10:35
 10:50

P

HOLE # 223 DEPTH OF TEST 24" START TIME 10:05

12"
 24"
 36"
 4.5'

brn l
 heavy

red brn
 grl
 1msbk

brn cl
 Ø
 small quartz
 frags

org brn
 scl

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 16/16	Ø			
10 14/16	15	Ø		
10 15/16	15	1/16		
10 15/16	15	Ø		

10:20
 10:35
 10:50
 11:05

FAILED

MOUND TEST DATA SHEETS

(Homewood Crossing)

Property I.D. Patuxent Chase Lot # 88 Date 11-9-10

Sanitarian HS Landscape Position _____

% Slope _____ Soil Type ChB2 Contractor Fogles

HOLE # 224 DEPTH OF TEST 19" START TIME 11:00

brn l
1fsbk

2fsbk
bngr scl

yellow brn
cl
Ø

yellow-red
brn
scl
15% quartz
frags

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 16/16	0			
9 16/16	15	16/16		
8 16/16	15	16/16		
7 16/16	15	16/16		
6 16/16	15	16/16		

11:15
11:30
11:45
12:00

P

HOLE # 225 DEPTH OF TEST 16" START TIME 11:35

loose
brn grl

1fsbk
scl brn

yellow-red
brn cl
Ø

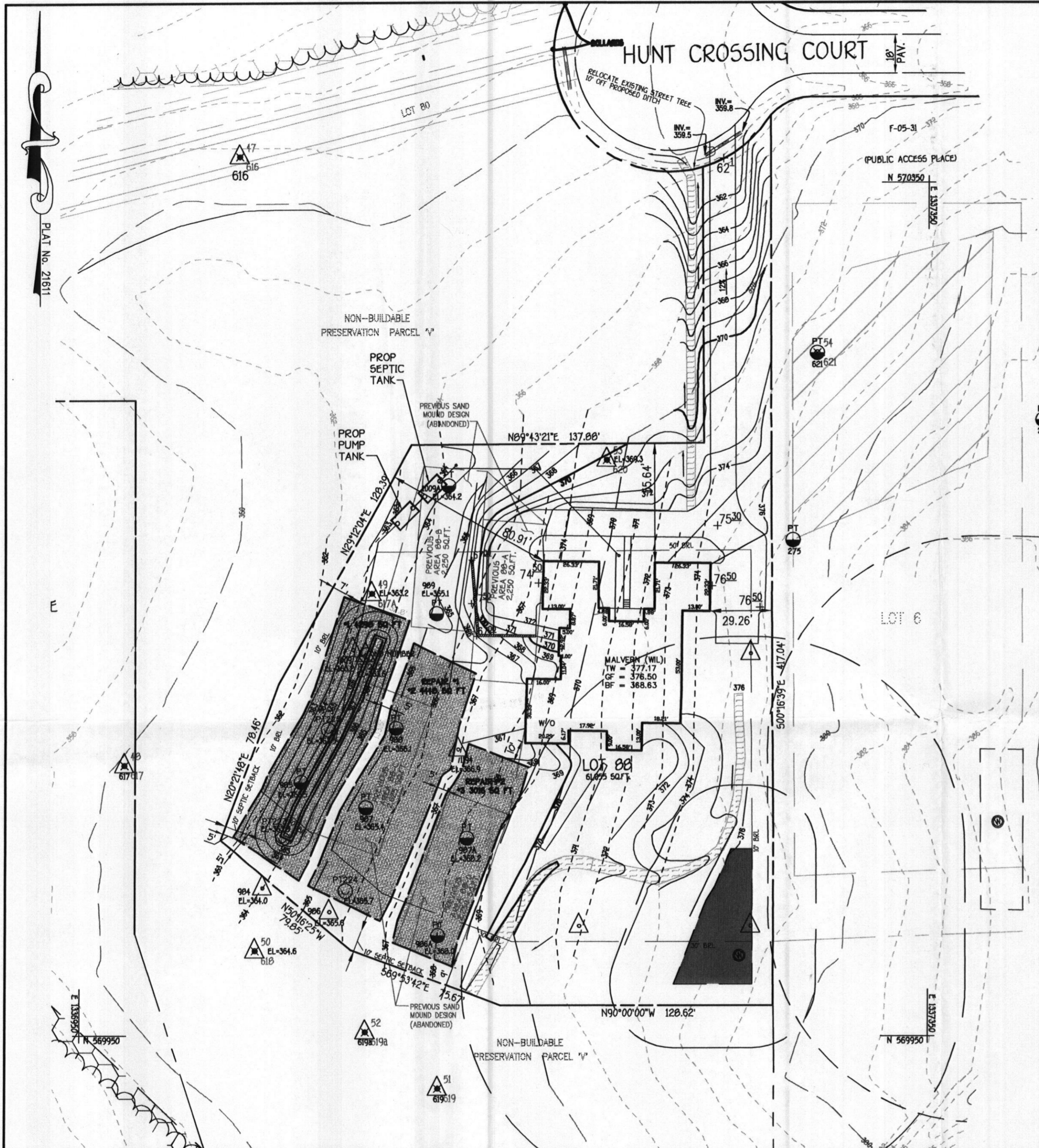
yellow brn
grsel
20% quartz

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 16/16	0			
9 14/16	15	1 2/16		
8 15/16	15	1 2/16		
7 16/16	15	15/16		
7 1/16	15	15/16		
6 3/16	15	14/16		

11:50
12:05
12:20
12:35
12:50

P

H₂O table 7 - 64" pale yellow
5.5' moist redox features



GENERAL NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON MAY 2, 2006 AS PLAT NUMBER 21611. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT (SAND MOUNDS) OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED EASEMENT PLAT SHALL NOT BE NECESSARY.
3. A SAND MOUND DESIGN MUST BE APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT BEFORE BUILDING PERMIT APPROVAL.
4. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER F-05-069 AND GP-07-067 AND SHALL COMPLY WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
5. STORMWATER MANAGEMENT FOR THIS LOT WAS PROVIDED UNDER F-05-069.
6. THE WELL LOCATION IS (TAG NO. HO 95-1988)
7. TOPOGRAPHIC INFORMATION ESTABLISHED AT TWO FOOT INTERVALS BASED ON AERIAL TOPOGRAPHY PREPARED BY 2DI LLC. DATED APRIL 2001 AND SUPPLEMENTED BY FIELD RUN TOPOGRAPHY PREPARED BY FISHER, COLLINS & CARTER, INC.
8. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWNGRADIENT OF ANY EXISTING OR PROPOSED SEPTIC SYSTEM AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN SHOWN. THE ENGINEER HAS USED ALL EFFORTS TO FIND THE LOCATIONS OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS.
9. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTHS AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AS SHOWN ON THE RECORD PLAT 18240 GENERAL NOTES ITEM 2.
10. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
11. CULVERT PIPE TO BE CONSTRUCTED UNDER PLAN F-05-069 AS APPROVED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

LEGEND

- FIELD LOCATED POINT
- FAILED PERC TEST
- PASSED PERC TEST
- SAND MOUND PERC TEST
- SEPTIC RESERVE AREA
- WELL ENVELOPE
- PROPOSED WELL

INV. AT HOUSE	364.50	TYPE: MALVERN (WIL)-	OPTION No. 017
GRD. AT INV. AT HOUSE	375.75	WALKOUT BASEMENT	OPTION No. 070
		ADD'L 1' TO HEIGHT OF BASEMENT	OPTION No. 535
INV. IN SEPTIC TANK	360.86	ENHANCED GARAGES	OPTION No. 026
INV. OUT SEPTIC TANK	360.69	PALM BEACH SUNROOM	OPTION No. 037
TOP OF SEPTIC TANK	361.60	GRAND CONSERVATORY	OPTION No. 532
GROUND OVER SEPTIC TANK	363.60	PALLADIAN KITCHEN	OPTION No. 533
		GREENHOUSE	
INV. IN PUMP TANK	360.29		
INV. PUMP INLET	356.70		
GROUND OVER PUMP TANK	361.40		

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
DIRECTOR	DATE

ADDRESS: 11425 HUNT CROSSING COURT
ELLCOTT CITY, MD 21043

THE PURPOSE OF THIS PLAN IS TO RECONFIGURE THE SAND MOUND LOCATIONS BASED ON THE NEW PERC TESTS PERFORMED ON OR ABOUT 11/12/2010.

APPROVED FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Approved for Peter Beileman 3/22/2012
COUNTY HEALTH OFFICER



TO BE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE FOLLOWING STATEMENTS ARE TRUE:

1) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITH IN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWNGRADIENT OF ANY EXISTING OR PROPOSED SEPTIC SYSTEM AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN SHOWN. THE ENGINEER HAS USED ALL EFFORTS TO FIND THE LOCATIONS OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTHS AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AS SHOWN ON THE RECORD PLAT 21603 GENERAL NOTES ITEM 2.

THE SOIL TYPE FOR THIS LOT IS: CHB2

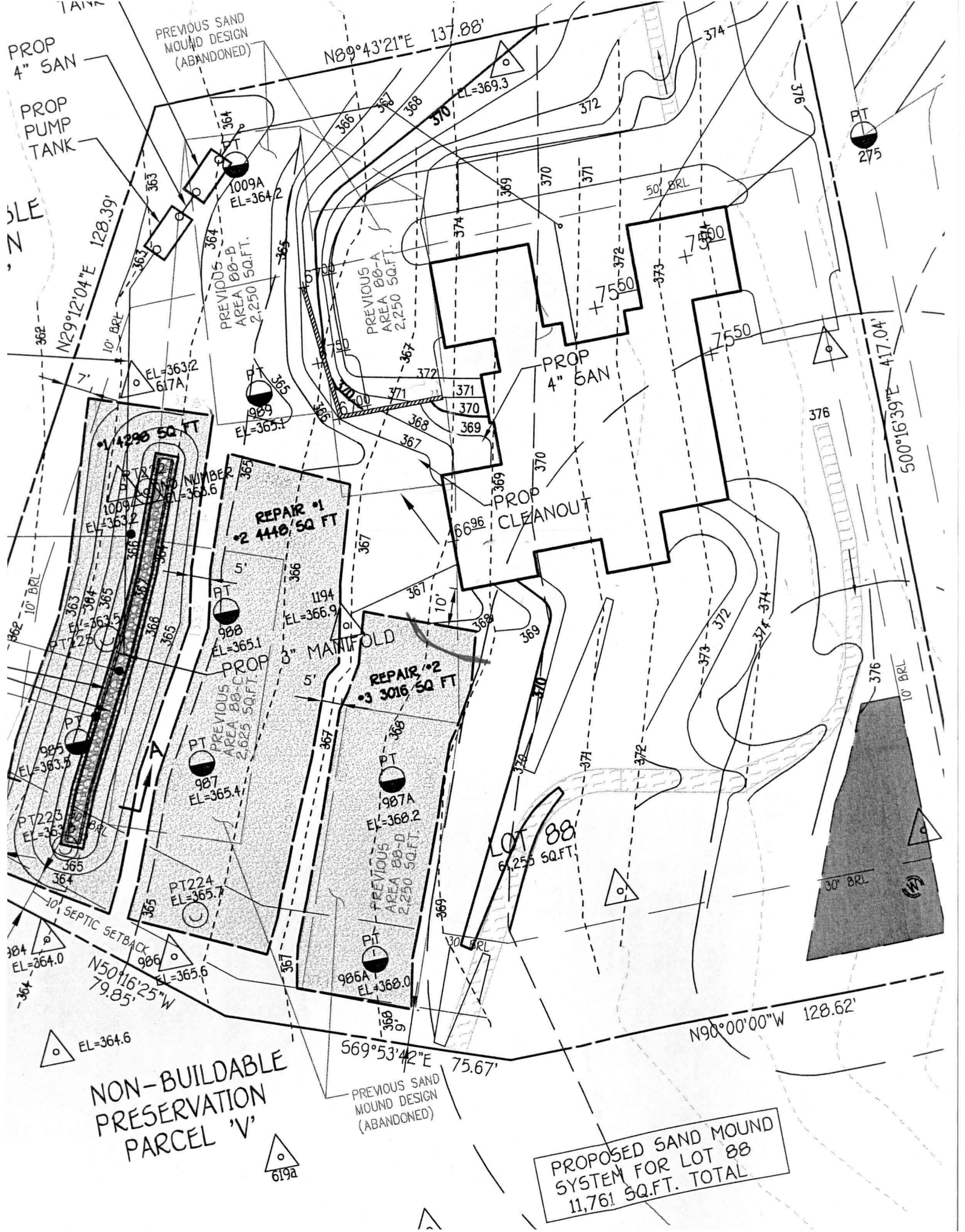


ESE Consultants Inc.
7164 Columbia Gateway Dr.
Suite 203
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4870

PERCOLATION CERTIFICATION AND PERMIT PLAN

LOT #88
HOMWOOD CROSSING
D.B. 9808, PG. 204
PLAT No. 21611
THIRD ELECTION DISTRICT
HOWARD COUNTY

DATE: 03/2012 SCALE: 1"=40' FILE: 1214 LOT 88
CHK'D: MJB JOB#: 1214 DRAWN: MJB



PROP
4" SAN
PROP
PUMP
TANK

PREVIOUS SAND
MOUND DESIGN
(ABANDONED)

SLE
N

PROP
4" SAN

PROP
4" SAN

PROP
CLEANOUT

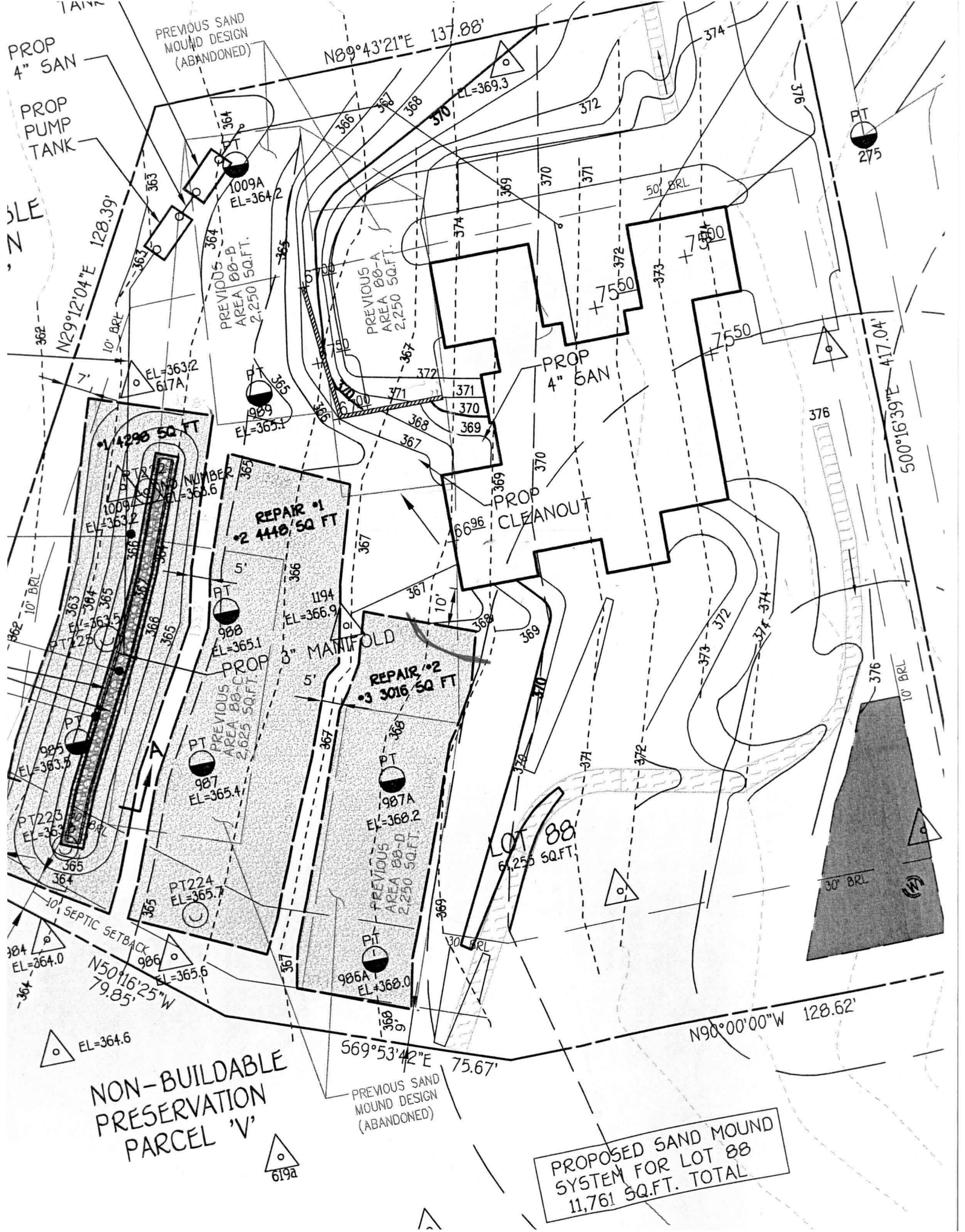
PROP
3" MANIFOLD

LOT 88
6,255 SQ.FT.

NON-BUILDABLE
PRESERVATION
PARCEL 'V'

PREVIOUS SAND
MOUND DESIGN
(ABANDONED)

PROPOSED SAND MOUND
SYSTEM FOR LOT 88
11,761 SQ.FT. TOTAL



PROP
4" SAN
PROP
PUMP
TANK

PREVIOUS SAND
MOUND DESIGN
(ABANDONED)

SLE
N

PROP
4" SAN

PROP
4" SAN

PROP
CLEANOUT

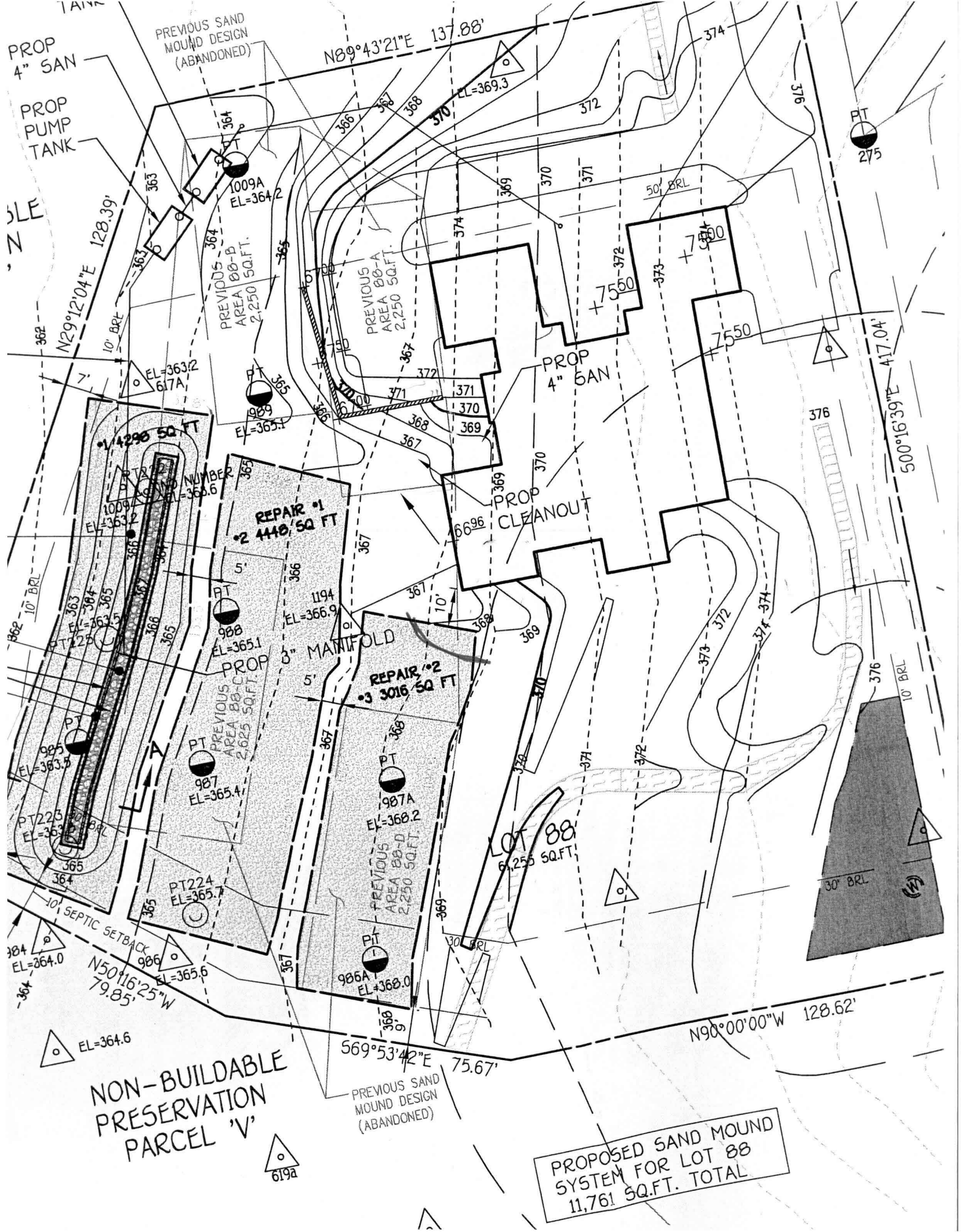
PROP
3" MANIFOLD

LOT 88
6,255 SQ.FT.

NON-BUILDABLE
PRESERVATION
PARCEL 'V'

PREVIOUS SAND
MOUND DESIGN
(ABANDONED)

PROPOSED SAND MOUND
SYSTEM FOR LOT 88
11,761 SQ.FT. TOTAL



PROP
4" SAN
PROP
PUMP
TANK

PREVIOUS SAND
MOUND DESIGN
(ABANDONED)

SLE
N

PROP
4" SAN

PROP
4" SAN

PROP
CLEANOUT

PROP
3" MANIFOLD

LOT 88
6,255 SQ.FT.

NON-BUILDABLE
PRESERVATION
PARCEL 'V'

PREVIOUS SAND
MOUND DESIGN
(ABANDONED)

PROPOSED SAND MOUND
SYSTEM FOR LOT 88
11,761 SQ.FT. TOTAL