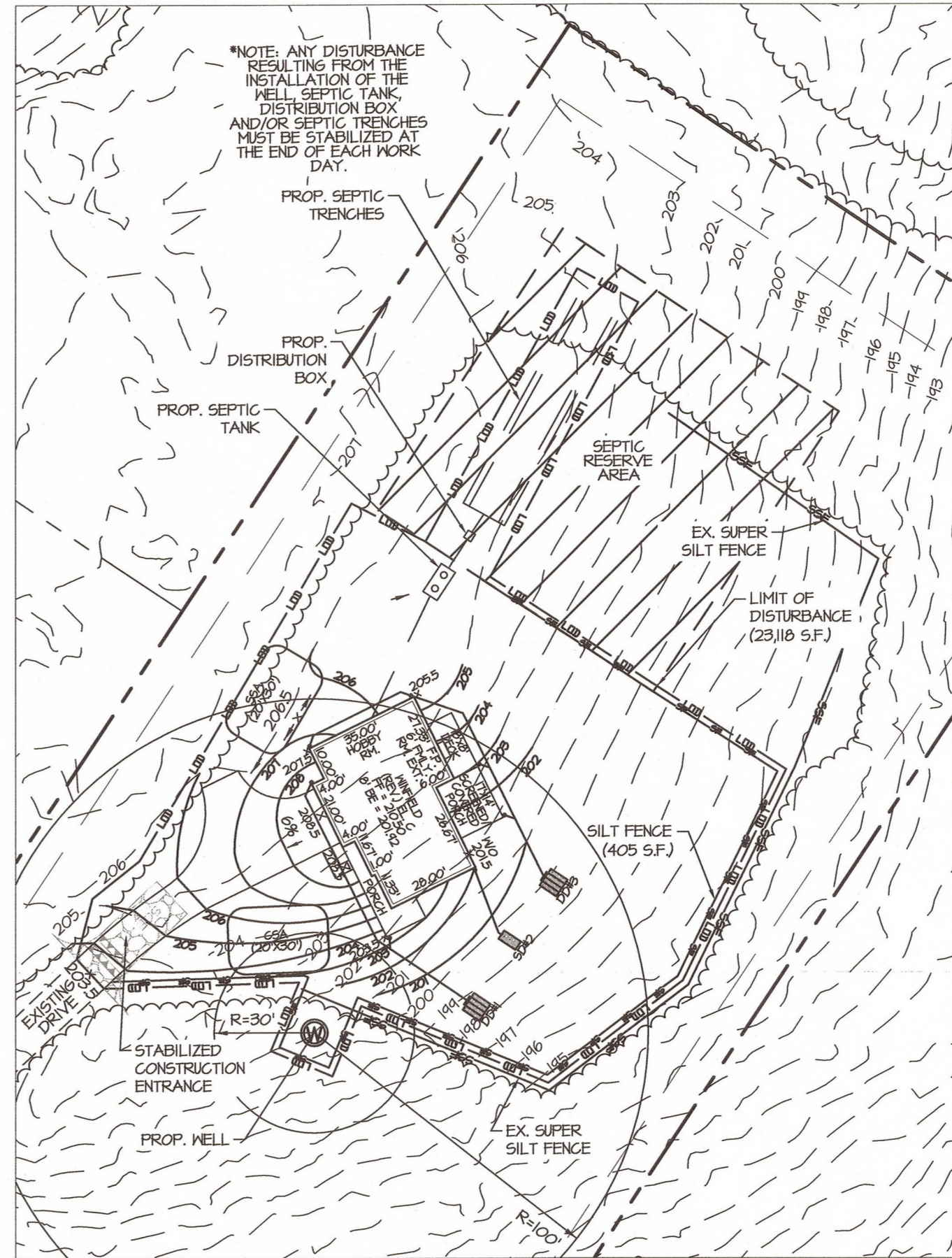


LOT PLAN
1"=100'



HOUSE & GRADING PLAN
1"=40'

LEGEND

- EXISTING CONTOUR ----- 145 -----
- PROPOSED CONTOUR ----- 145 -----
- EXISTING ROAD -----
- EXISTING WOODS -----
- PROPOSED HOUSE [Square]
- SILT FENCE --- SF ---
- LIMIT OF DISTURBANCE --- LOD ---
- STABILIZED CONSTRUCTION ENTRANCE [Stippled Area]
- CONSTRUCTION STAGING AREA [CSA]
- SOIL STOCKPILE AREA [SSA]
- SEPTIC RESERVE AREA [Hatched Area]

ZONING: UR
SETBACKS
FRONT: 20'
SIDE: 10'
REAR: 20'

APPROVED PLAN REFERENCE

STANDARD STORMWATER MANAGEMENT PLAN APPROVED
EROSION & SEDIMENT CONTROL PLAN FOR JAMES H. AND JUDITH A. HOUSTON - APPROVED 04/08/16

SITE ANALYSIS

LOT SIZE: 101,414 S.F. (2.328 AC)
LIMIT OF DISTURBANCE: 23,110 S.F.
AREA PERMANENTLY STABILIZED: 18,484 S.F.
TOTAL SITE IMPERVIOUS AREA EXISTING: 6,385 S.F.
TOTAL NEW SITE IMPERVIOUS AREA PROPOSED: 4,134 S.F.
ESTIMATED CUT: 210 C.Y.
ESTIMATED FILL: 210 C.Y.
12 DIGIT DRAINAGE BASIN NUMBERS: #021306050383 & #021306030311
BEARINGS & DISTANCES ARE BASED ON ADD-ON MINOR SUBDIVISION PLAN FOR THE LANDS OF JAMES H. AND JUDITH A. HOUSTON, P.C. 11/05/43

SAMPLE

DRYWELL SIZING COMPUTATIONS

NOTE: DRYWELLS TO BE SIZED TO PROVIDE STORAGE FOR TOTAL PROPOSED NEW SITE IMPERVIOUS WITH A Pe OF 1.0"

TOTAL NEW IMPERVIOUS * 0.95 (RUNOFF COEFFICIENT) * Pe (1.0") = CU. FT. OF STORAGE REQUIRED

(4,134) * 0.95 (RUNOFF COEFFICIENT) * Pe (1.0") = 328.0 CU. FT. OF TOTAL STORAGE REQUIRED

359.6 CU. FT. OF TOTAL STORAGE PROVIDED > 328.0 CU. FT. OF TOTAL STORAGE REQUIRED

DRYWELL SIZING CHART

DRYWELL NO.	DEPTH	'A'	'B'	'C'	'D'
1	4.00'	10.00'	5.00'	5.00'	10.00'
STORAGE DATA	DBL. DRYWELL #1	STORAGE REQUIRED: 73.6 C.F.		STORAGE PROVIDED: 160.0 C.F.	
2	5.50'	3.00'	-	-	6.00'
STORAGE DATA	SGL. DRYWELL #2	STORAGE REQUIRED: 38.0 C.F.		STORAGE PROVIDED: 39.6 C.F.	
3	4.00'	10.00'	5.00'	5.00'	10.00'
STORAGE DATA	DBL. DRYWELL #3	STORAGE REQUIRED: 65.2 C.F.		STORAGE PROVIDED: 160.0 C.F.	

DRYWELL SIZING COMPUTATIONS

ROOF AREA * 0.95 (RUNOFF COEFFICIENT) * Pe (1.0") = CU. FT. OF STORAGE REQUIRED

PIT SIZE L * W * D (IN FEET) = VOLUME * 0.4 (VOID SPACE OF STONE) = VOLUME OF STORAGE PROVIDED

SEE MARYLAND STORMWATER DESIGN MANUAL & STONE DRYWELL STANDARD DETAILS PROVIDED WITH THIS SUBMITTAL FOR STORMWATER MANAGEMENT REQUIREMENTS, LIMITATIONS AND CONSTRUCTION SPECIFICATIONS.

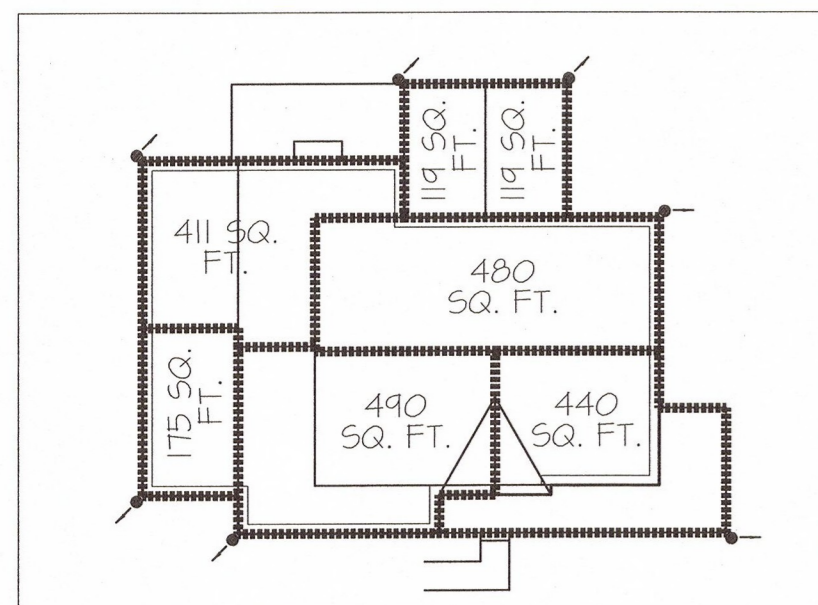
OWNER/DEVELOPER CERTIFICATION

I hereby certify that all land clearing, construction, development and grading will be done pursuant to this sketch. I understand that no work will be initiated at the site until a preconstruction meeting has been held with or waived by Department of Public Works officials. I also understand that it is my responsibility to have the construction supervised and certified by a registered professional prior to a final grading inspection or approval of the certificate of occupancy. Including submittal of as-built plans for all stormwater management practices and/or letter of certification for non-structural practices and lot grading.

Company _____
Print Name _____ Signature _____ Date _____

REVISED 11/15/17 TO REVISE PROPOSED WELL LOCATION

DEED REF.: N.D.S. 249/118



ROOFTOP DRAINAGE DETAIL
1"=20'

S.W.M. BMP TABLE

DOUBLE DRYWELLS:	2 EA.
SINGLE DRYWELLS:	1 EA.

Division of
Development Plans Review
Lot Grading Sketch Approval

Signature _____ Date _____

STANDARD STORMWATER MANAGEMENT
& LOT GRADING SKETCH PLAN

LANDS OF
HOUSTON

TAX MAP 26, PARCEL 210
FOR: GEMCRAFT HOMES

THIRD ELECTION DISTRICT CECIL COUNTY, MARYLAND
SCALE: 1" = 100' DATE: 11-15-2017 DRAWN BY: RL5 JOB NO. 17130