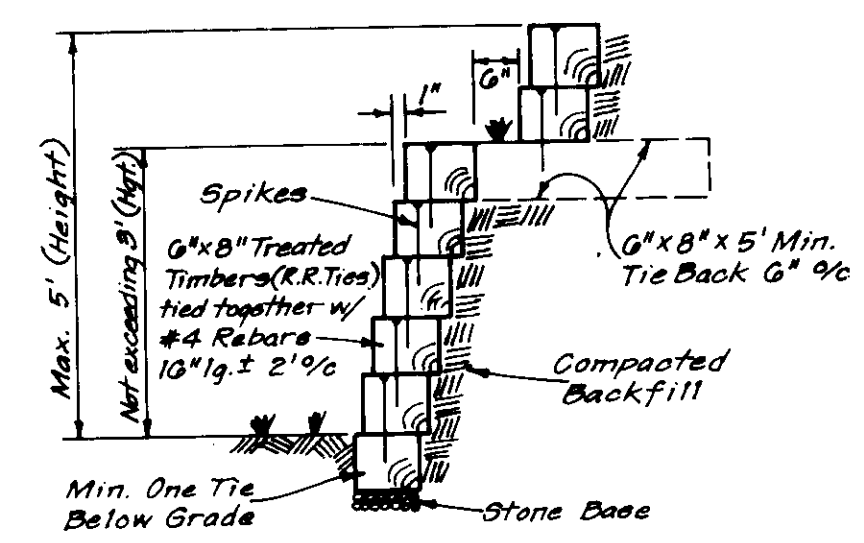
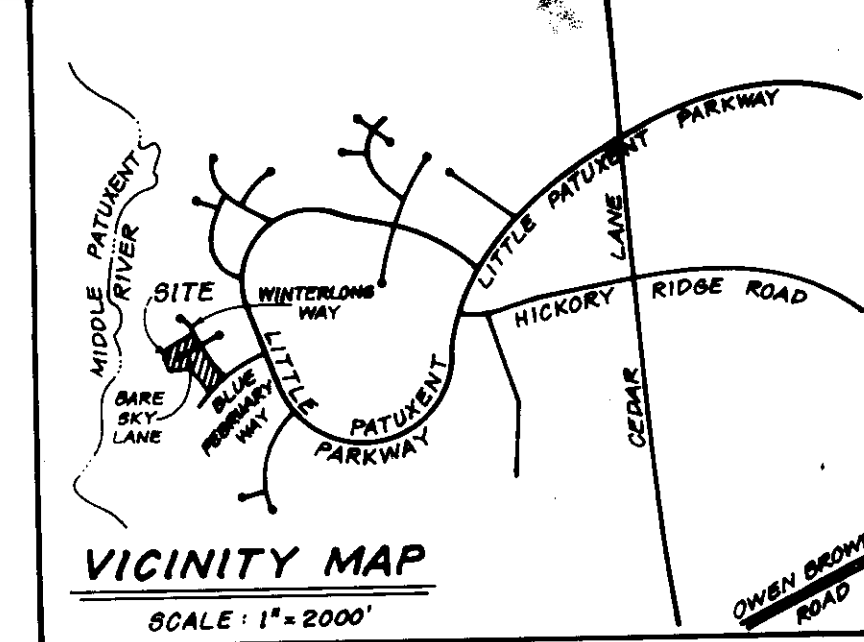


DRIVEWAY ABUTTING MOD. COMB. CURB AND GUTTER*

- Alternate #1: 1 1/2" Bit. Conc. Surface, 6" Bit. Conc. Base, 4" Bit. Conc. Base
- Alternate #2: 1 1/2" Bit. Conc. Surface, 3" Bit. Conc. Base, 3" Gravel
- * See Howard County Standard R-3.01 for Std. 7" Comb. Curb + Gutter necessary on the Cul-de-Sac.



TYPICAL RETAINING WALL



GENERAL NOTES

- The Land included is zoned: New Town S.F.M.D.
- Coordinates are based upon traverse controls for Columbia established by Maps, Inc. in 1905 and Purdum & Jeschke in 1908, which controls were tied to the Maryland Bureau of Central Survey Monuments and to the U.S. Coast and Geodetic Survey Monuments in the Columbia Area.
- All roads are public and existing.
- Any damage to county owned rights-of-way to be corrected at the Developer's expense.
- Total Area included: 2.001 Acres.
- Total Number of Lots: 10
- Storm Water Management for this site has been provided in V.O.H.R. 9/1 F.83-120 & V.O.H.R. 8/5 F.84-51

LEGEND

- Contour Interval 2 Ft.
- Existing Contour 580
- Proposed Contour 580
- Spot Elevation 82.5
- Direction of Drainage
- Existing Trees to be Saved
- Walk-Out Basement

ADDRESS CHART	
LOT No.	STREET ADDRESS
29	11800 Bare Sky Lane
30	11804 " "
31	11808 " "
32	11811 " "
33	11807 " "
34	11817 Winterlong Way
35	11813 Winterlong Way
36	11809 " "
37	11805 " "
38	11801 " "

SUBDIVISION NAME COLUMBIA		SECT AREA 3/11	LOTS 29-38		
VILLAGE OF HICKORY RIDGE					
PLAT # 6481	BLOCK # 10	ZONE N.T. S.F.M.D.	TAX/ZONE MAP 95	ELEC.DIST 5th	CENSUS TR 8053.01
WATER CODE I-15			SEWER CODE 6700000		

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER _____ DATE _____

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 12-12-85

PLANNING DIRECTOR _____ DATE 12-12-85

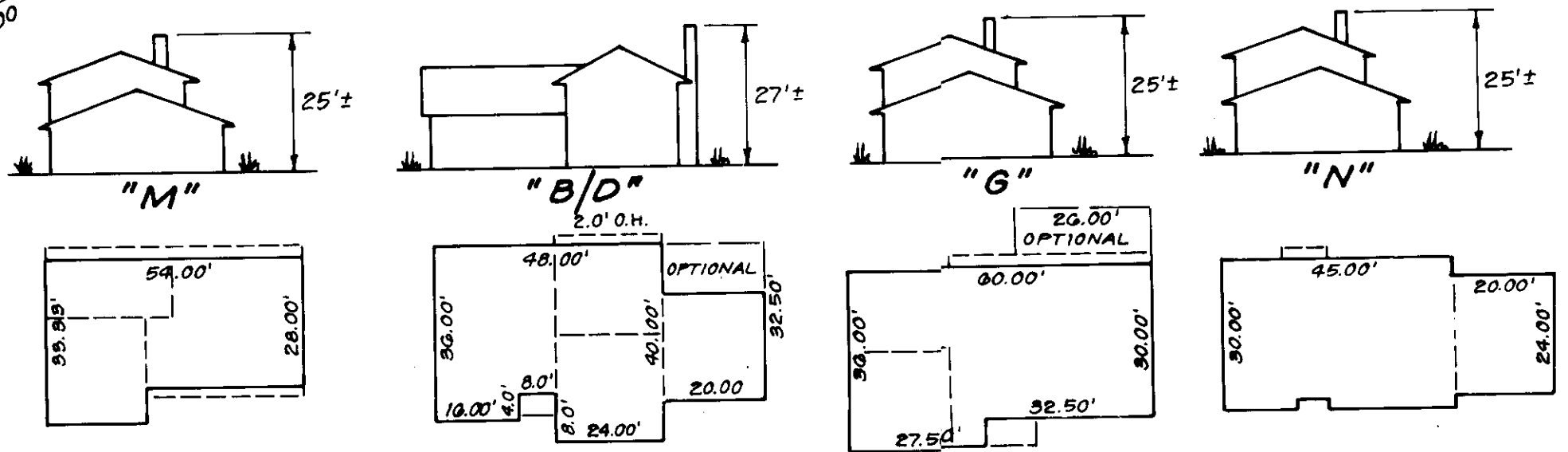
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR _____ DATE 12-4-85

CHIEF BUREAU OF ENGINEERING _____ DATE 12-12-85

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 11-6-85
[Signature]



TYPICAL HOUSES

No Scale



CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED JME

DRAWN LAI

CHECKED JME

DATE OCT. 1985

SITE DEVELOPMENT PLAN
LOTS 29 THRU 38
COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA II
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE 1" = 30'

DRAWING 1 of 2

JOB NO. 85-077

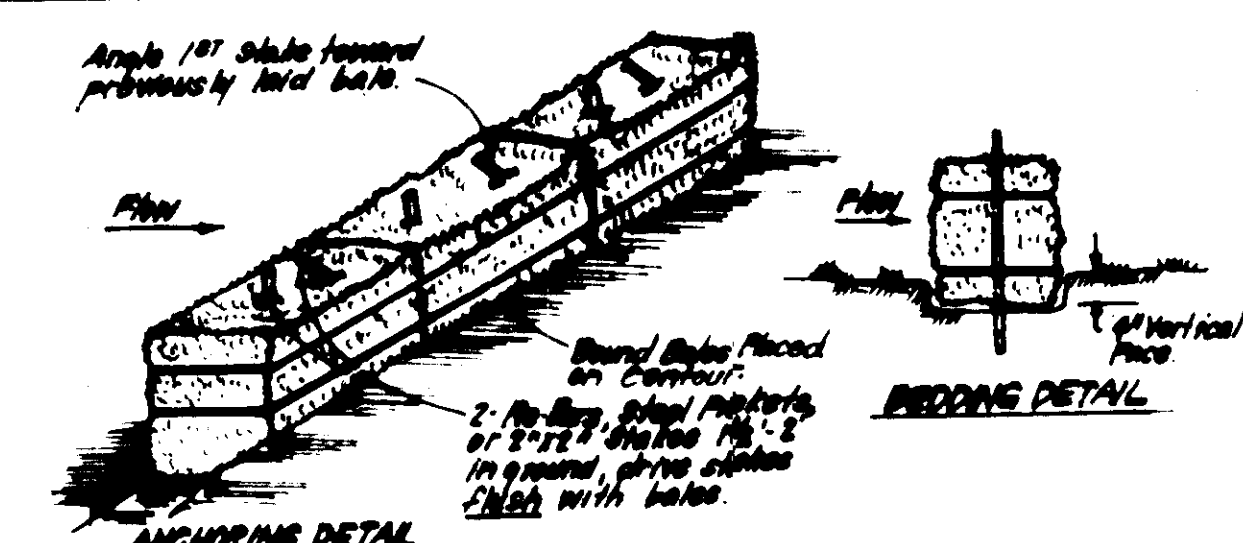
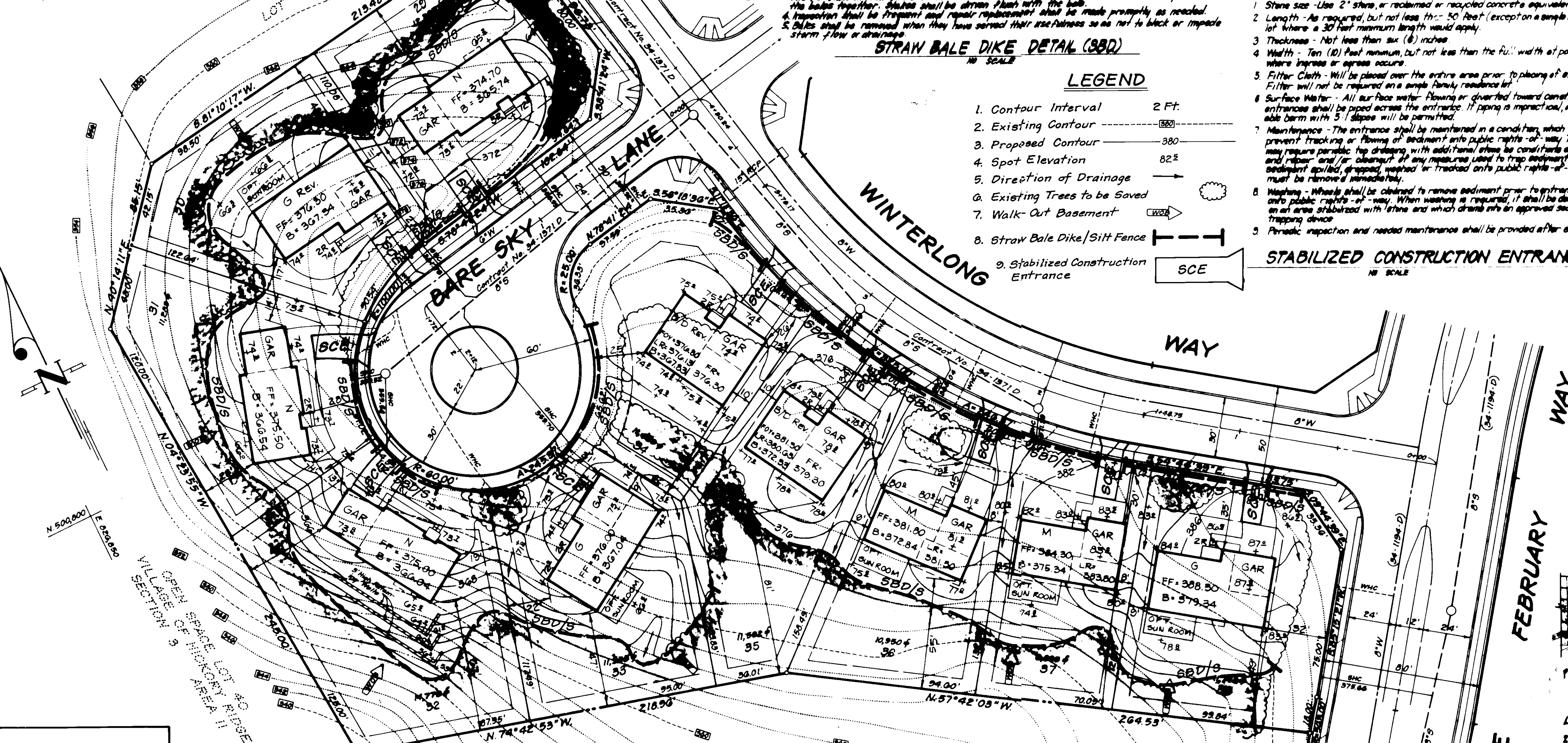
FILE NO. 85-077-X

FOR: COLUMBIA BUILDERS, INC.
Three Lake Front North Building, Suite 200
Columbia, Maryland 21044

Howard S.C.D.
 And other related requirements
 Date 12-4-85
 Planning Service

THE FOLLOWING PLAN IS APPROVED
 FOR THE SEDIMENT CONTROL
 CONTROL MEASURES AND SOIL
 CONSERVATION PROJECT

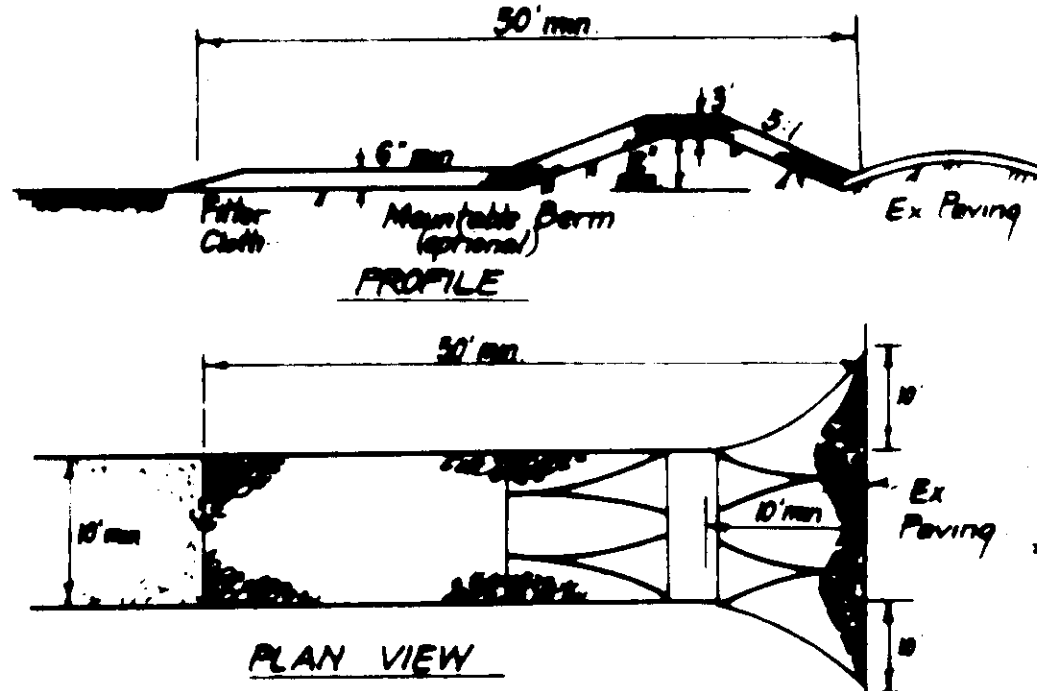
Stephen J. Fisher 12-4-85
 Approved Date



CONSTRUCTION SPECIFICATIONS:
 1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
 2. Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
 3. Bales shall be securely anchored in place by either 2 stakes or rebar driven thru the bale. The stakes or rebar shall be driven thru the bale at an angle to force the bales together. Bales shall be driven flush with the soil.
 4. Inspection shall be frequent and repair/replacement shall be made promptly as needed.
 5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE DETAIL (SBD)
 NO SCALE

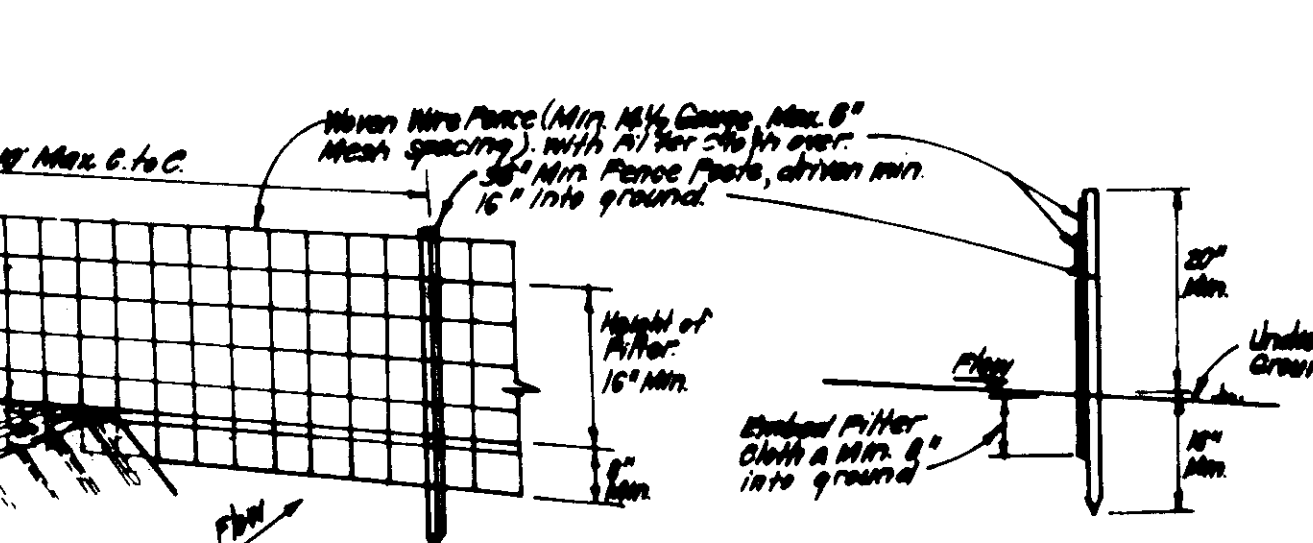
- LEGEND**
- 1. Contour Interval 2 Ft.
 - 2. Existing Contour
 - 3. Proposed Contour
 - 4. Spot Elevation
 - 5. Direction of Drainage
 - 6. Existing Trees to be Saved
 - 7. Walk-Out Basement
 - 8. Straw Bale Dike/Silt Fence
 - 9. Stabilized Construction Entrance



CONSTRUCTION SPECIFICATIONS:
 1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) feet minimum, but not less than the full width of points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights-of-way. This may require periodic top dressing with additional stone to conditions desired and repair and/or cleanup of any measures used to trap sediment. All sediment applied or trapped, or tracked onto public rights-of-way must be removed immediately.
 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
 NO SCALE

- SEDIMENT CONTROL NOTES**
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
 - 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
 - 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - 7) Site Analysis:
 Total Area of Site 2.061 Acres
 Area Disturbed 1.712 Acres
 Area to be roofed or paved 0.008 Acres
 Area to be vegetatively stabilized 1.044 Acres
 Total Cut 3421 Cu. yds
 Total Fill 1857 Cu. yds
 Offsite waste/borrow area location N/A
 - 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 - 9) Additional sediment control must be provided, if deemed necessary by the Howard County DEP sediment control inspector.
 - 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 - 11) If houses are to be constructed on an "As-Built" basis, at minimum, Single Lot Sediment Control as shown below shall be implemented.
 - 12) All pipes to be blocked at the end of each day (see detail below).
 - 13) The total amount of straw bale dikes/silt fence equals 1950 L.F.



CONSTRUCTION SPECIFICATIONS:
 1. Heavy wire fence to be fastened securely to fence posts with wire ties.
 2. Filter cloth to be fastened securely to heavy wire fence with ties spaced every 30" at top and mid section.
 3. When 2 sections of filter cloth join each other they shall be overlapped by 6" and stapled.
 4. Maintenance shall be provided as needed and material removed when it has served its purpose in silt fence.

SILT FENCE DETAIL (S)
 NO SCALE

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 11-6-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 12-11-85
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE 12-13-85
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 12-12-85
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 12-12-85

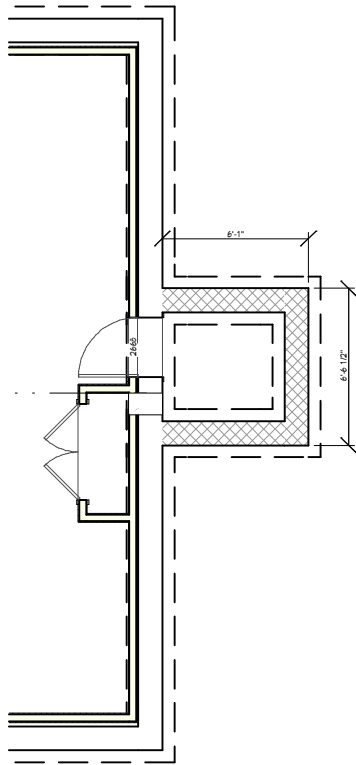
PERMANENT SEEDING NOTES
 Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.
Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.
Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES
 Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).
Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushels per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.
 Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

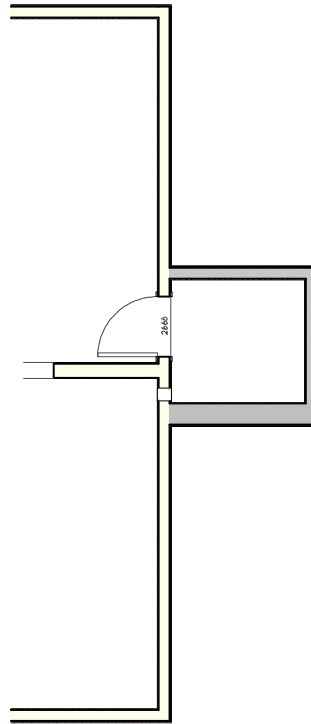
DEVELOPER'S/BUILDER'S CERTIFICATE
 I hereby certify that all development and construction will be done in accordance with this plan of development and construction and sediment control and that all necessary permits, licenses, and approvals for the construction project will have a Certificate of Approval from the Dept. of Natural Resources Approval Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspections by the Howard County Department of Public Works or their authorized agents as an ongoing necessity.
 Signature of Developer/Builder B. James Greenfield
 Date 10-11-85

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control is a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard County Department of Public Works.
 Signature of Engineer B. Nelson Clark
 Date 10-11-85

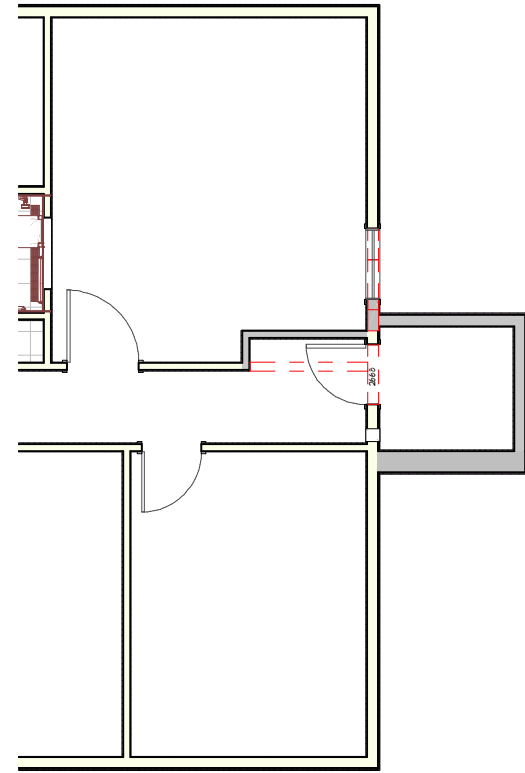
CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583-3400	
DESIGNED GLB	SEDIMENT AND EROSION CONTROL PLAN LOTS 29 THRU 38 COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3, AREA II 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
DRAWN LAI	FOR: COLUMBIA BUILDERS, INC. Three Lake Front North Building, Suite 200 Columbia, Maryland 21044		
CHECKED GLB	SCALE 1"=30' DRAWING 2 of 2 JOB NO. 85-077 FILE NO. 85-0775E		
DATE OCT. 1985	DATE 10-11-85		



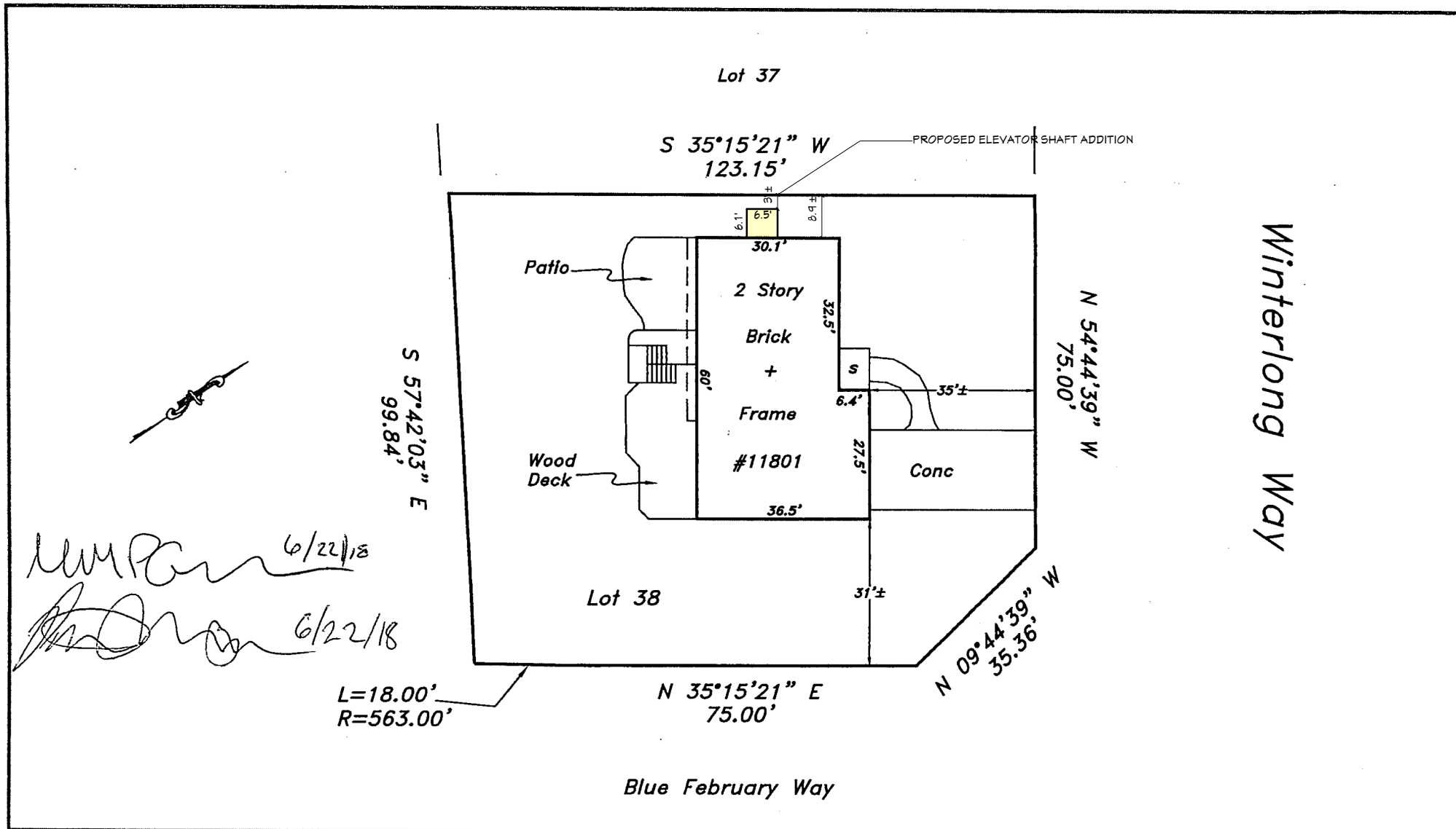
Foundation



1st Floor



2nd Floor



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 38, Section 3, Area 11, COLUMBIA
VILLAGE OF HICKORY RIDGE

recorded among the land records of Howard County, Maryland in
Plat 6481

PREPARED FOR:

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.



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

LOCATION DRAWING
11801 Winterlong Way
15th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

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

Scale: 1"= 30'
Date: 2-1-18
Field By: DR
Drawn By: DR
File No.: LMD37092
Page No.: 1 of 2