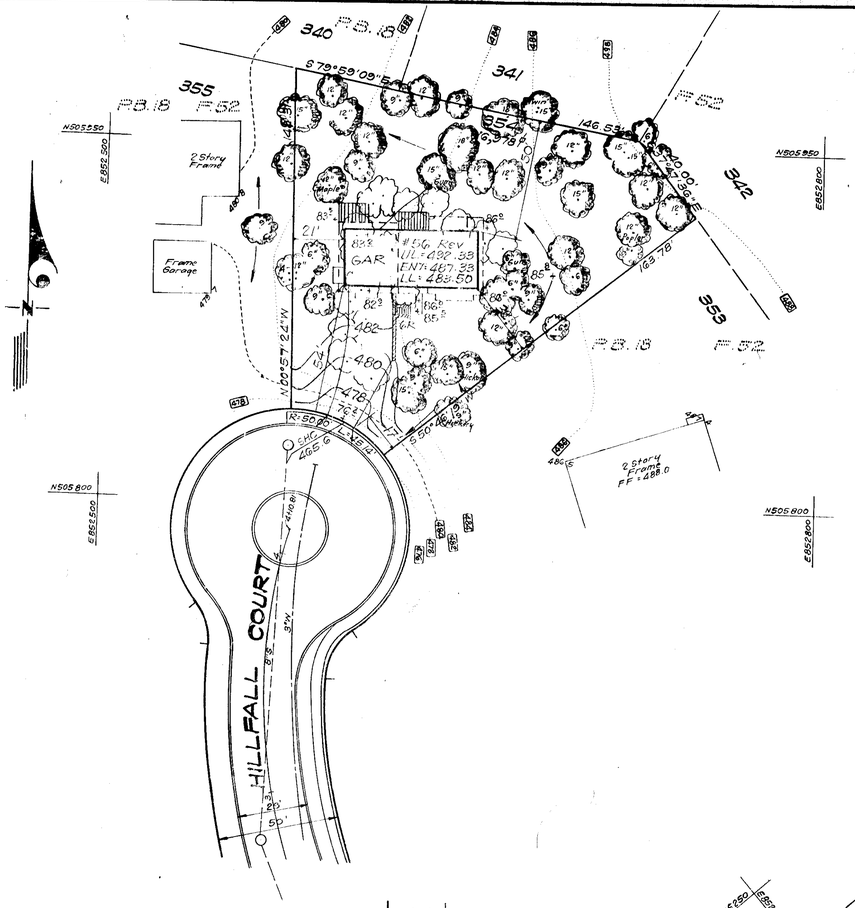
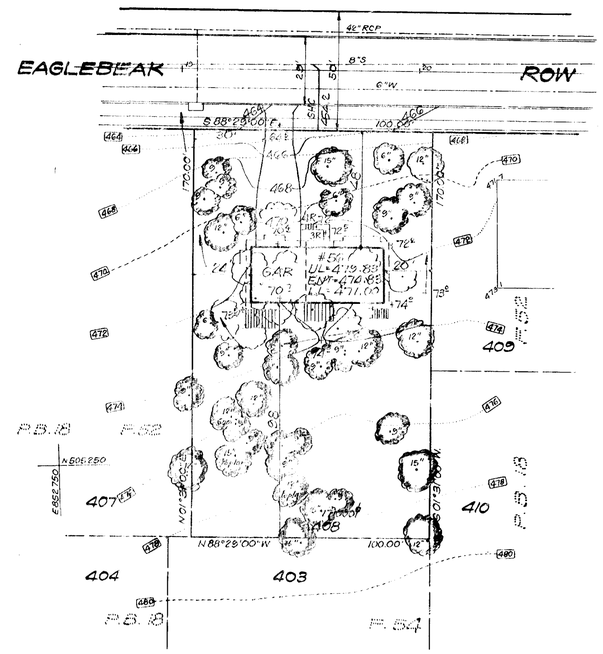
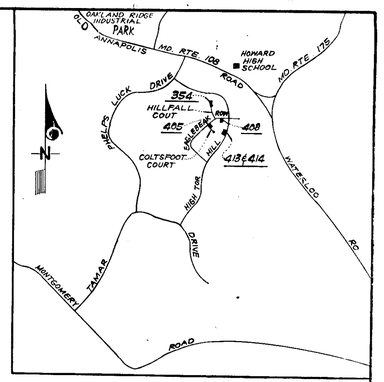


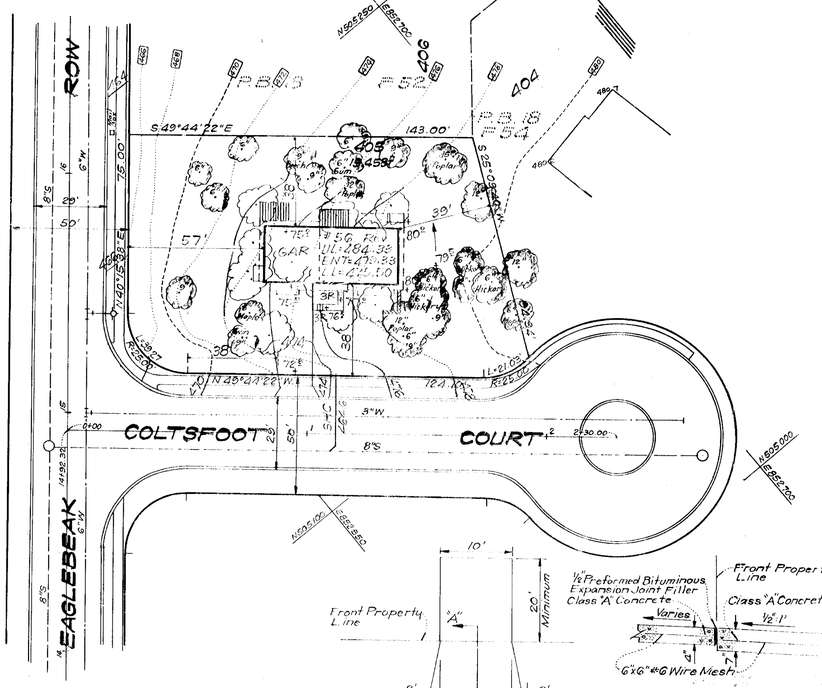



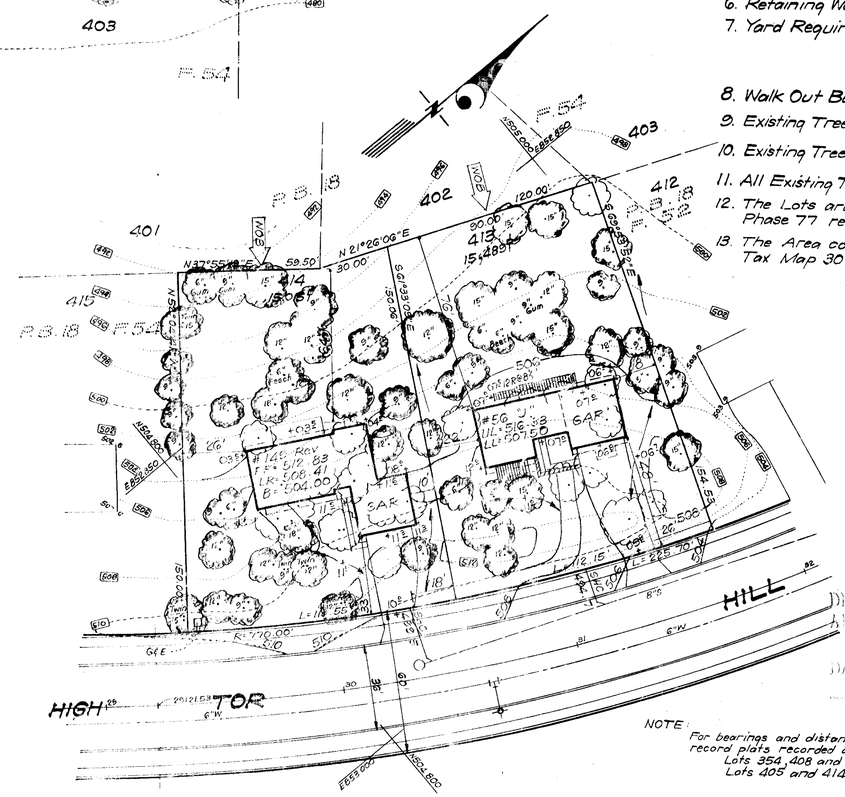




VICINITY MAP
SCALE: 1" = 2000'

## LEGEND

1. Contour Interval — 2 Ft.
2. Existing Contours — 480
3. Proposed Contours — 480
4. Spot Elevations — +80.5
5. Direction Of Drainage
6. Retaining Wall
7. Yard Requirements:
   Front – 20' On 50' Wide Streets
   30' On 60' Wide Streets
   Side 7.5' (Min.)
8. Walk Out Basement — WOB
9. Existing Trees To Be Retained
10. Existing Trees To Be Removed
11. All Existing Trees Are Oaks, Unless Otherwise Shown.
12. The Lots are covered by Final Development Plan Phase 77 recorded in Plat Book 18 Folios 50 to 72.
13. The Area covered in this submission is located on Tax Map 30.




APPROVED: DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING, HOWARD COUNTY, MARYLAND
DATE 4-18-74

NOTE:
For bearings and distances of individual lot lines, see record plats recorded as follows:
Lots 354, 408 and 413 - Plat Book 18 Folio 52
Lots 405 and 414 - Plat Book 18 Folio 54

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

COUNTY HEALTH OFFICER — DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

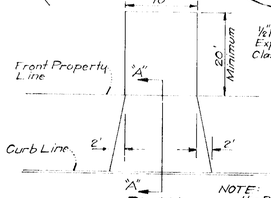
PLANNING DIRECTOR — DATE

CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING — DATE

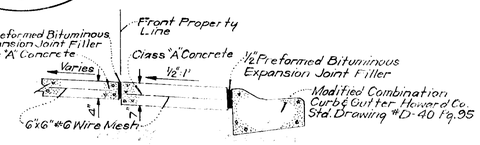
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE

CHIEF BUREAU OF HIGHWAYS — DATE




"A" PLAN
NO SCALE




SECTION "A"-"A"
DRIVEWAY ABUTTING MOD. COMB. CURB & GUTTER
NO SCALE

NOTE:
Use Residential Driveway Entrance, Howard Co. Dwg. #D-34 Pg. 89, Except Where Driveway Abuts Mod. Comb. Curb & Gutter.

Donald B. Sackett 4-17-74

| | | |
|---|---|---|
| CLARK • FINEFROCK & SACKETT<br>ENGINEERS • PLANNERS • SURVEYORS<br>11335 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400 | | |
| DESIGNED WRMc | DEVELOPMENT PLAN<br>LOTS 354, 405, 408, 413 AND 414<br>COLUMBIA<br>VILLAGE OF LONGREACH<br>SECTION 1 AREA 1<br>6TH ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND | SCALE 1" = 30' |
| DRAWN KWC | | DRAWING 1 OF 1 |
| CHECKED WRMc | | JOB NO. |
| DATE Feb, 1974 | FOR: RESEARCH HOMES, INC.<br>7777 Leesburg Pike<br>Falls Church, Va. 22043 | FILE NO. 1097-X |

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

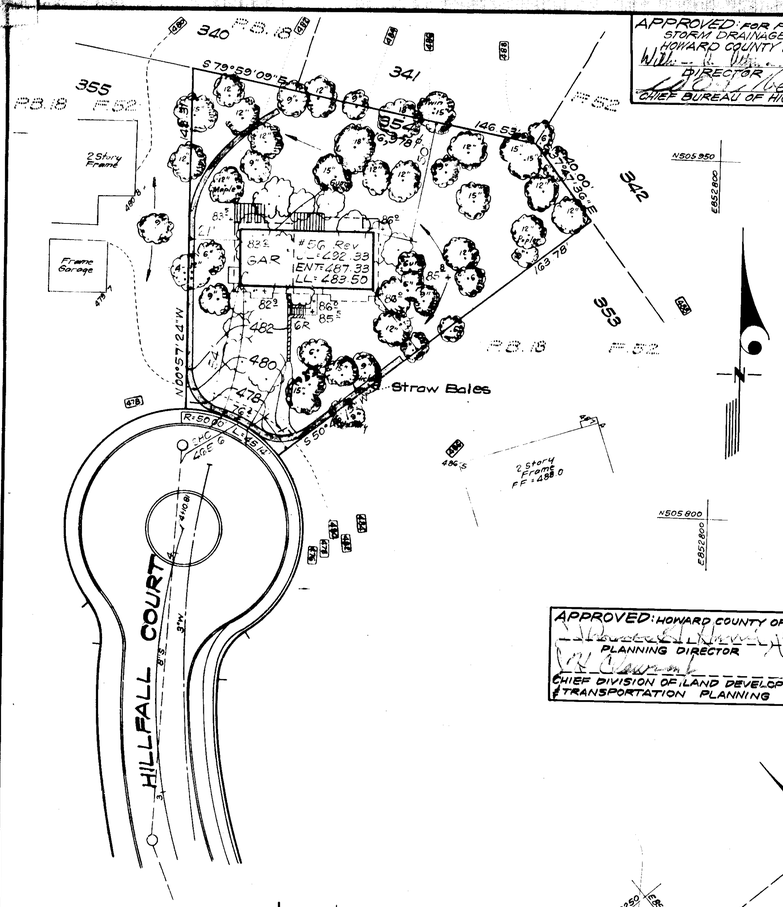
DIRECTOR — DATE 5/6/74

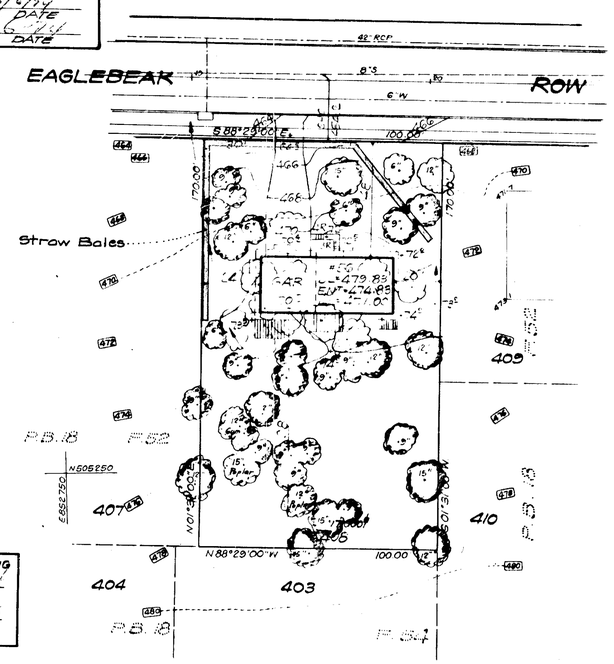
CHIEF BUREAU OF HIGHWAYS — DATE 5-6-74

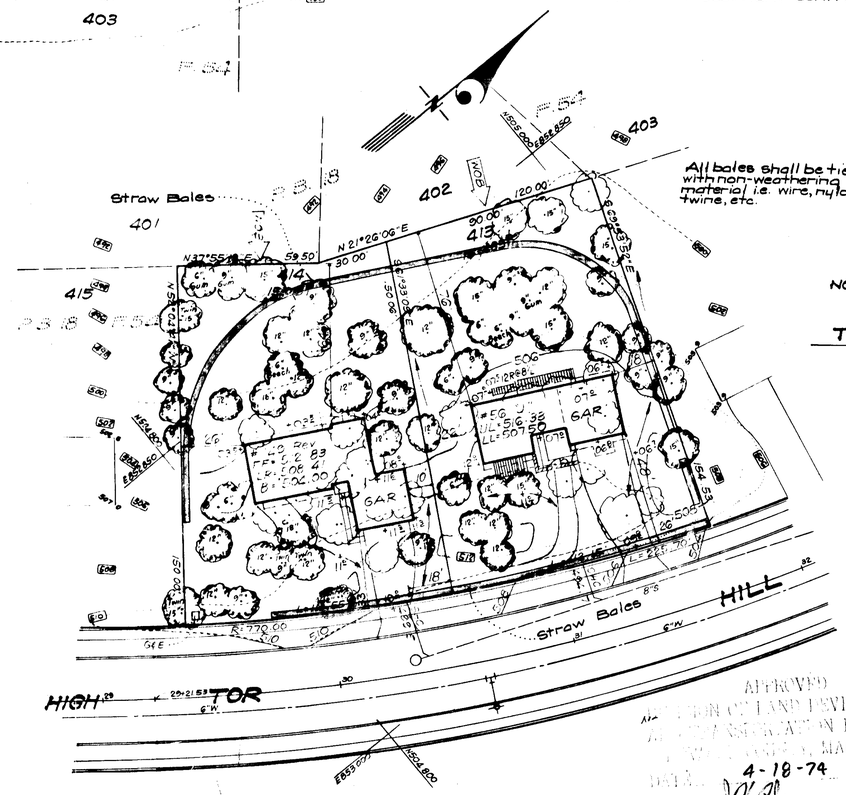
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE

CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING — DATE 6/27/74

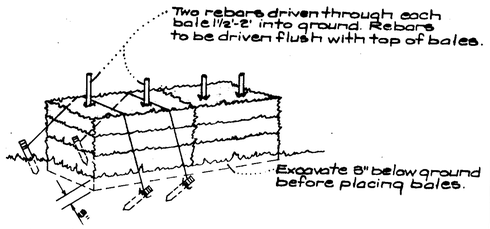



## GENERAL NOTES

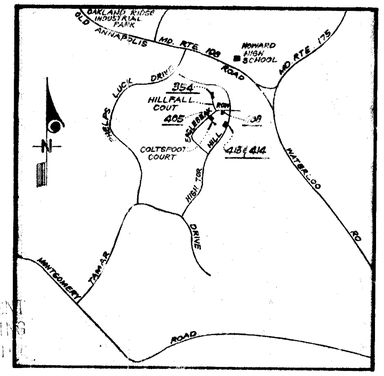
1. All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing, or disturbance of the existing surface of the site.
2. Notify the Howard Soil Conservation District at least 24 hours before starting any work.
3. All Sediment Control Practices to conform to the Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas and shall be adjusted to meet actual field conditions.
4. Stabilization of disturbed ground to be done as soon after construction as possible.
5. Stone filter berms shall be used at construction entrances to lots in lieu of straw bales where shown on plans.
6. All graded areas shall be treated in accordance with the following Specifications:
   a. Seed - certified 85% germination applied at the rate of 3 lbs./1000 ☐'; mixture - 40% Kentucky Blue, 20% Chewing Fescue, 20% Kentucky 31, and 20% Annual Rye.
   b. Fertilizer - 5-10-10 applied at the rate of 28 lbs./1000 ☐' and ground agricultural lime or dolomitic lime applied at the rate of 46 lbs/1000 ☐'.
   c. Mulch - Weed free grain straw applied at the rate of 70 lbs./1000 ☐'. Mulch shall be secured to the ground by any approved method, i.e. asphalt tacks, chemical binder, wood chips, etc.
7. All structural sediment control measures are to remain in place until permission for their removal has been obtained from the Howard Soil Conservation District, phone 465-3180 or 465-5000, ext. 328.
8. Onsite inspection and maintenance of all sediment control measures including cleanout of sediment traps and berms, and proper establishment of all planned vegetative measures will be the responsibility of the Developer or his representative on the site, on a continuing day to day basis.
9. Protection of stabilized lots from sediment runoff shall be provided by the use of an approved sediment control device, i.e. stone filter berm, straw bales, etc.




NOTE: In lieu of the use of rebars, each straw bale may be fastened to ground with pegs (4 per bale) & nylon twine as shown above

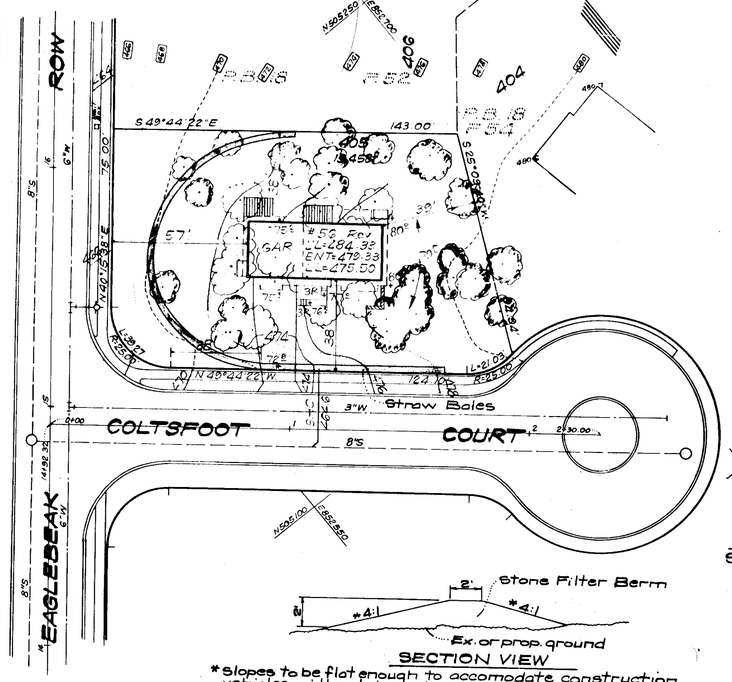
## TYPICAL STRAW BALE DETAIL

No Scale




## VICINITY MAP

Scale: 1" = 2000'




## PLAN

Scale: 1" = 30'




## SECTION VIEW

*Slopes to be flat enough to accomodate construction vehicles without damaging berm & shall be placed at each construction entrance.

NOTE: Stone shall be 4" to 6" Surge Stone.

## STONE FILTER BERM DETAIL

No Scale

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
Signature — Date 4-30-74
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Approved — Date 4-30-74

### DEVELOPER'S CERTIFICATE

I certify that all development and construction will be done according to this plan or approved plan and plan for [illegible] I also authorize periodic on-site inspections by the Howard Soil Conservation District or its authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

2-20-74 — Date
Lorie O'Keeno — Signature

### ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control represents 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 Soil Conservation District.

2-20-74 — Date
G. Nelson Clark — G. Nelson Clark

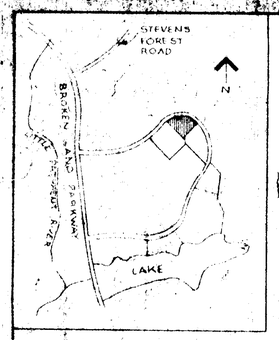
STATE OF MARYLAND — G. NELSON CLARK — No. 7627

APPROVED
DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 4-18-74

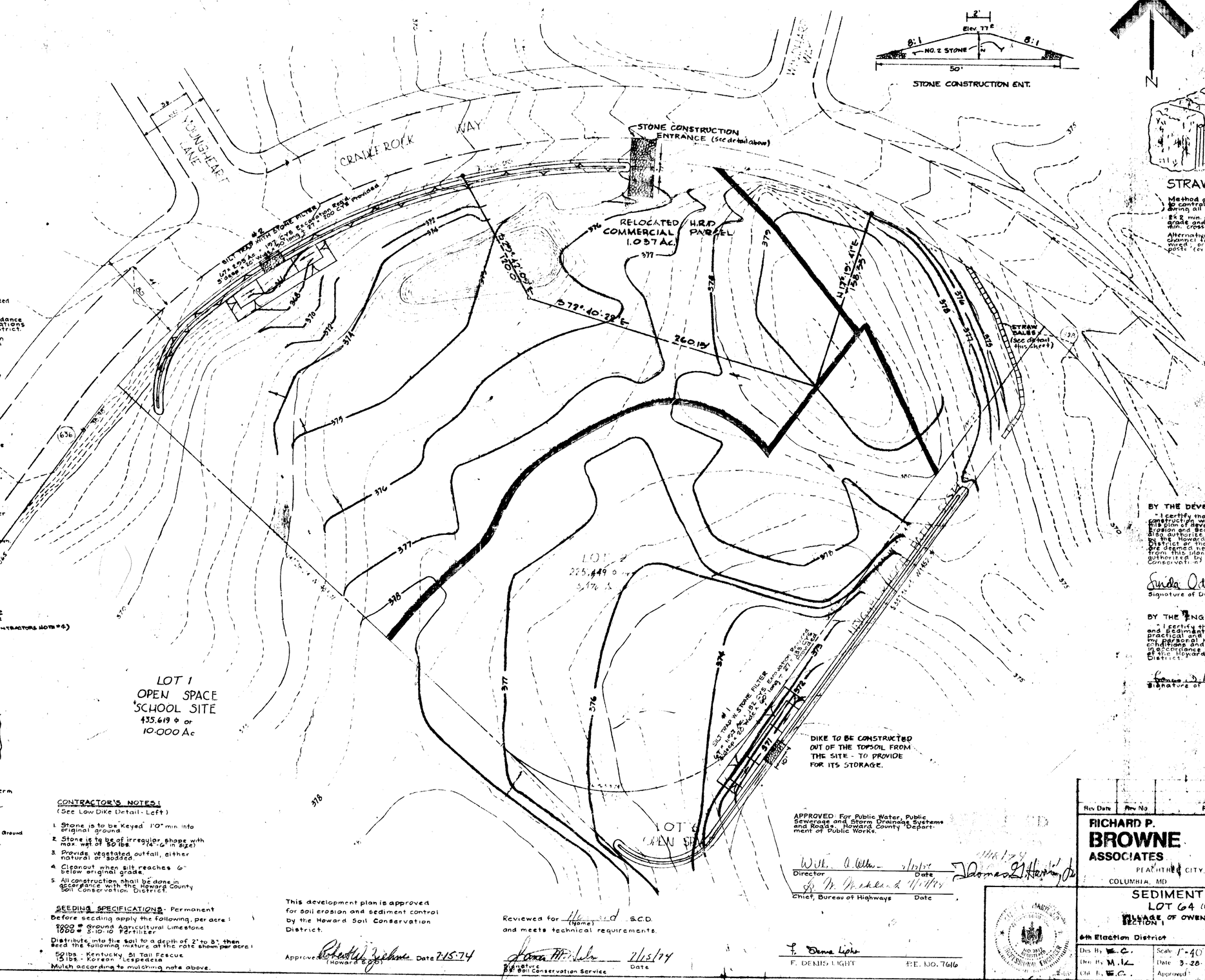
CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-2406

| | | |
|---|---|---|
| DESIGNED R.J.S. | SEDIMENT & EROSION CONTROL PLAN LOT'S 354, 405, 406, 413 AND 414 COLUMBIA VILLAGE OF LONGREACH SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND | SCALE As Shown |
| DRAWN Suzon | | DRAWING 1 of 1 |
| CHECKED G.N.C. | | JOB NO. |
| DATE Feb. 1974 | FOR: RESEARCH HOMES, INC. 7777 Leesburg Pike Falls Church, Va. 22043 | FILE NO. 1124-SE |

SDP 74-78C



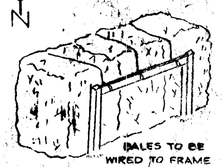

KEY MAP
Scale 1" = 2000'







STONE CONSTRUCTION ENT.




STRAW BALE

Method of anchoring straw bales to control erosion & sediment during all construction.

- 1" x 2" min. posts 4' o.c. 18" above grade and min. 12" in ground; two min. crosspieces nailed to posts.

Alternatives: metal drain or guard fence posts with crosspieces wired or 2" min. diameter round posts (or 2" x 2" bars)

## MULCHING:

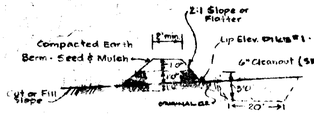
1. Mulch materials should be unweathered, unchopped, small grain straw. Spread at the rate of 1½ to 2 tons per acre.
2. Spread uniformly by hand or mechanically so that at least 75 % of the soil surface will be covered. For uniform distribution of loose spread mulch, divide area into approximately 1000 square feet sections and place a bale approximately 100 lbs. of mulch. For best results with section, approximately 65-100 lb. bales will be required.

## SEDIMENT and SOIL EROSION CONTROL NOTES:

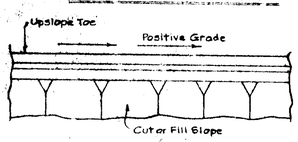
1. All Sediment Control Measures to be adjusted to meet field conditions at time of construction (be constructed & stabilized prior to any other grading or disturbance of existing surface material).
2. All Sediment Measures to be undertaken in strict accordance with the approved plans and the criteria and specifications approved by the Howard County Soil Conservation District.
3. All Seeding on Sediment Control Facilities to be done in accordance with the Howard County Soil Conservation District, and in accordance with note below on seeding.
4. Periodic Inspection and Maintenance of all Sediment Control Structures must be provided to insure the intended purpose is accomplished.
5. Contractor, installing the above shall obtain and follow the standards and specifications for soil erosion on urbanizing areas as distributed by the Howard County Soil Conservation District.
6. All Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Howard County Soil Conservation District.
7. Notify the Howard County Soil Conservation District Office prior to starting any work.
8. On site inspection and maintenance of all Sediment Control Measures, including cleanout of all Sediment Traps and Berms, and proper establishment of all vegetation measures will be the responsibility of the contractor or his representative on the site on a continuing day to day basis.

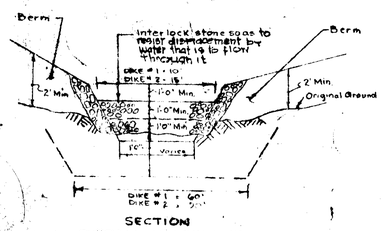
## GENERAL NOTES:

1. Diversion Terraces (or Furrows) will be utilized to reduce slope lengths where possible, during land grading operations.
2. Permanent vegetation will be established as rapidly as possible on all exposed faces (cuts and fills) and other areas, following grading operations, according to seeding specifications given.
3. Temporary vegetation will be applied upon completion of rough grading on all other disturbed areas where surface water will not be built on within a period of sixty (60) days, according to seeding specifications shown.
4. Storm sewer inlets located below high silt producing areas will be protected by the use of adequate silt traps during construction.




INTERCEPTOR BERM




SECTION
OUTFALL OF LOW DIKE WITH STONE FILTER

## CONTRACTOR'S NOTES:

(See Low Dike Detail - Left)

1. Stone is to be "Keyed" 1'0" min. into original ground.
2. Stone is to be of irregular shape with max. wgt. of 50 lbs. (14"-6" in size)
3. Provide vegetated outfall, either natural or sodded.
4. Cleanout when silt reaches 6" below original grade.
5. All construction shall be done in accordance with the Howard County Soil Conservation District.

## SEEDING SPECIFICATIONS - Permanent

Before seeding apply the following, per acre:
2000 # Ground Agricultural Limestone
1000 # 5-10-10 Fertilizer

Distribute into the soil to a depth of 2" to 3", then seed the following mixture at the rate shown per acre:
50 lbs. - Kentucky 31 Tall Fescue
15 lbs. - Korean "Lespedeza"

Mulch according to mulching note above.

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

Approved: Robert W. Lehnus (Howard S.C.D.) Date 7-15-74

Reviewed for Howard (Name) S.C.D. and meets technical requirements.

Signature, U.S. Soil Conservation Service — Date 7/15/74

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads. Howard County Department of Public Works.

Wm. A. Wilson — Director — Date 7/15/74

L. W. Markland — Chief, Bureau of Highways — Date 7/15/74

Thomas G. Harris Jr. 7/18/74

F. Denis Light — F. DENIS LIGHT — P.E. NO. 7616

BY THE DEVELOPER:

"I certify that all development and construction will be done according to this plan of development and plans for erosion and sediment control. I also authorize periodic on site inspection by the Howard Soil Conservation District or their authorized agents. Deviations from this plan will not be made unless authorized by the Howard Soil Conservation District."

Linda Odum — Signature of Developer — Date 12/7/73

BY THE ENGINEER:

"I certify that this plan for Erosion and Sediment Control represents 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 Soil Conservation District."

F. Denis Light — Signature of Engineer — Date 12-5-73

| Rev. Date | Rev. No. | Revision Description |
|---|---|---|
| | | |

RICHARD P. BROWNE ASSOCIATES
ENGINEERS SURVEYORS PLANNERS ARCHITECTS
PEACHTREE CITY, GEORGIA
COLUMBIA, MD. WAYNE, N.J.

# SEDIMENT CONTROL
LOT 64 (Formerly Lot 8)
VILLAGE OF OWEN BROWN
SECTION 1 AREA 2
6th Election District — Howard County, Md.

| | | |
|---|---|---|
| Des. By E.C. | Scale 1"=40' | Dwg. No. 4 of 4 |
| Dn. By M.L. | Date 3-28-74 | Proj. No. |
| Ck. By E.C. | Approved: | |

G.P.-74-60.