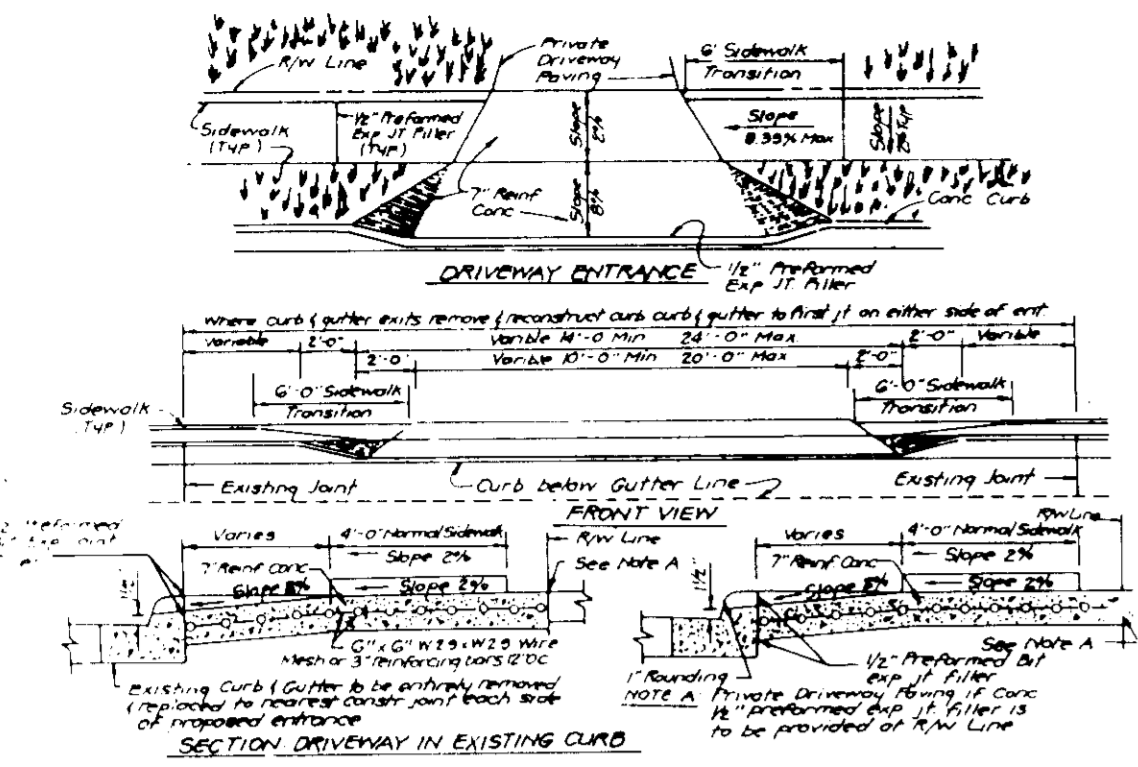
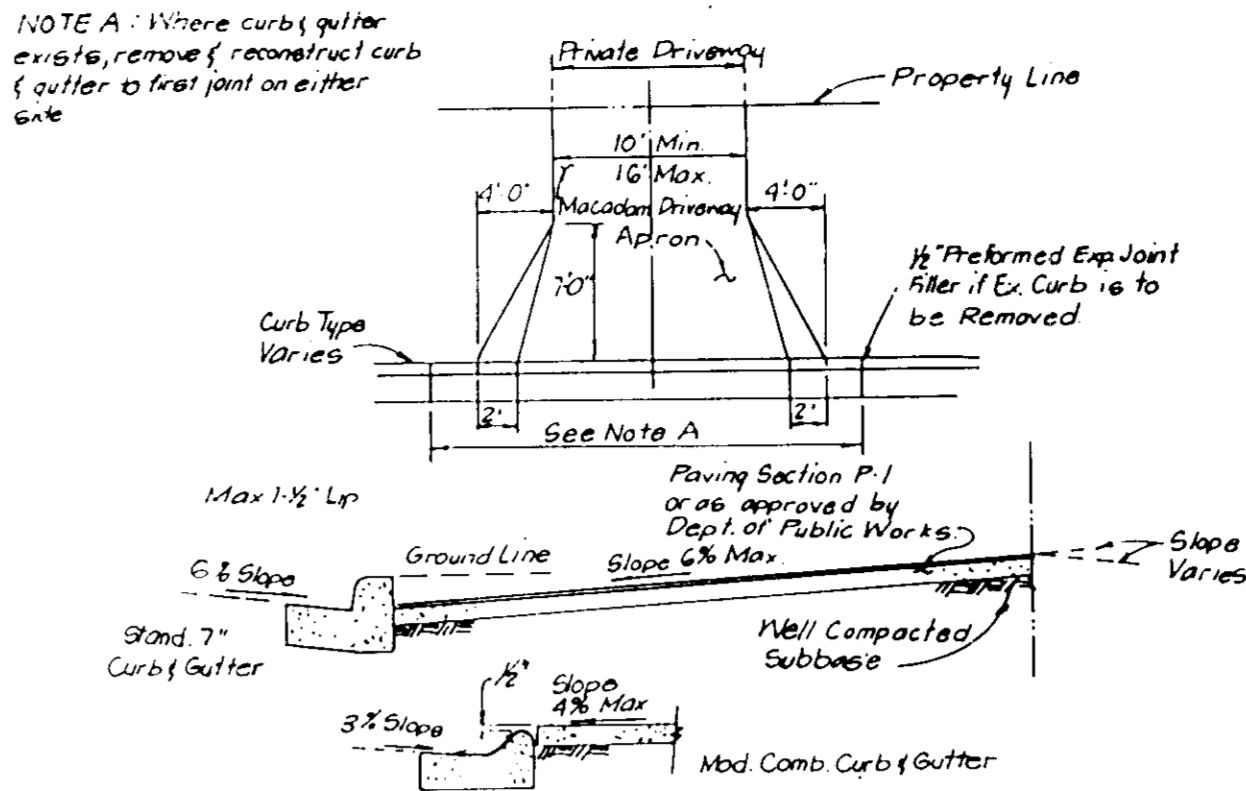


| No | REVISION  | Date    |
|----|---|---------|
| 1  | Rev hse & grd Lot 65                                    | 6/13/89 |
| 2  | Rev hse & grd lot 51 From Newcastle (Rev) to Sturbridge | 6/13/89 |
| 3  | Revise house and grade lot 17                           | 10/8/89 |

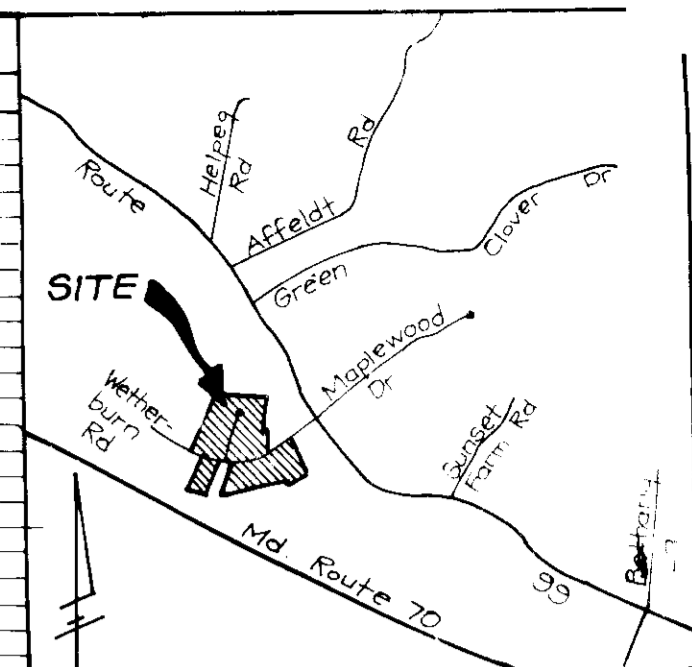


DRIVEWAY ABUTTING CLOSED SECTION WITH STR 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB



DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK

| ADDRESS CHART |                       |
|---------------|-----------------------|
| LOT NO        | STREET ADDRESS        |
| 7             | 10235 WETHERBURN ROAD |
| 8             | 10237 " "             |
| 10            | 10237 " "             |
| 11            | 10241 " "             |
| 12            | 10245 " "             |
| 13            | 10249 " "             |
| 14            | 10253 " "             |
| 15            | 10257 " "             |
| 16            | 10261 " "             |
| 17            | 10265 " "             |
| 18            | 10269 " "             |
| 40            | 10272 " "             |
| 80            | 10268 " "             |
| 51            | 10266 " "             |
| 52            | 10207 TARPLAY COURT   |
| 53            | 10211 " "             |
| 54            | 10215 " "             |
| 55            | 10219 " "             |
| 56            | 10223 " "             |
| 57            | 10227 " "             |
| 58            | 10231 " "             |
| 59            | 10235 " "             |
| 60            | 10239 " "             |
| 61            | 10243 " "             |
| 62            | 10247 " "             |
| 63            | 10251 " "             |
| 64            | 10255 " "             |
| 65            | 10259 WETHERBURN ROAD |



VICINITY MAP Scale 1" = 2000'

| LEGEND                |          |
|-----------------------|----------|
| Contour Interval      | 2 FT     |
| Existing Contour      | ---(---) |
| Proposed Contour      | ---(---) |
| Spot Elevation        | +10.5    |
| Direction of Drainage | →        |
| Walk out Basement     | ---(---) |
| Ex Trees to be saved  | (---)    |

GENERAL NOTES

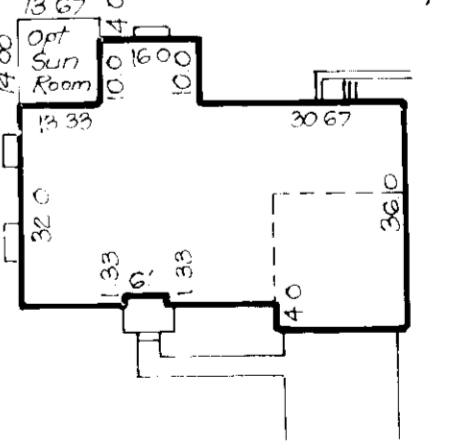
- 1 Subject property zoned R20 as per B 2 85 Comprehensive Zoning Plan
- 2 The coordinates shown hereon are based on The Maryland State Grid System and derived from the following Howard County Control Stations 3440001 and 3440002
- 3 All roadways are public and existing
- 4 Total area included in this submission 10.11 Acres
- 5 Total number of lots 28
- 6 Any damage to utility, owned part of, ways shall be corrected at the Developer's expense
- 7 Maximum lot coverage is 30%
- 8 Reference plans S-88-103, P-89-18 and F-89-126
- 9 The Contractor or Developer shall contact the Construction Planning Survey Division, 24 hours in advance of commencement of work at 792 2630
- 10 The existing topography shown was taken from Road Construction Plans prepared by Fisher, Collins and Carter, Inc

SPECIAL NOTES

- 1 Approved Road Construction Plans shall be used for all utilities
- 2 Public water and sewer shown on topography shall be used for detailed information see water and sewer plans on sheet no 24-1800-1
- 3 The water and sewer franchise obligations are included in a Developer's agreement shall be part of the final plat. Plumbing Code shall apply and shall be used and the SHC shall be used for Stormwater Management provided for in F-88-232

OWNER / DEVELOPER  
 PEDICORD JOINT VENTURE  
 9/8 LAND DESIGN & DEVELOPMENT, INC  
 8307 Main Street  
 Ellicott City, Md 21043

NEWCASTLE  
 2493.05 = 8310 17 1/2 Min Lot  
 Size w/options

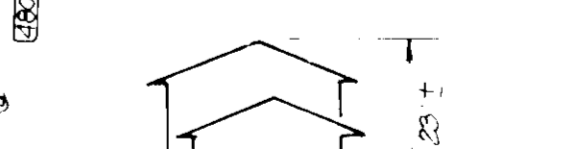


TYPICAL HOUSES

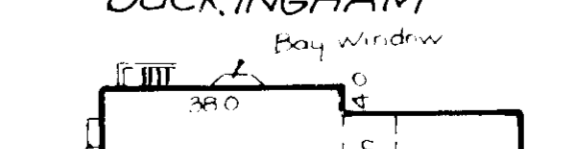
Scale 1" = 30'

NOTE: All units have units have 11' roof eaves front & rear.

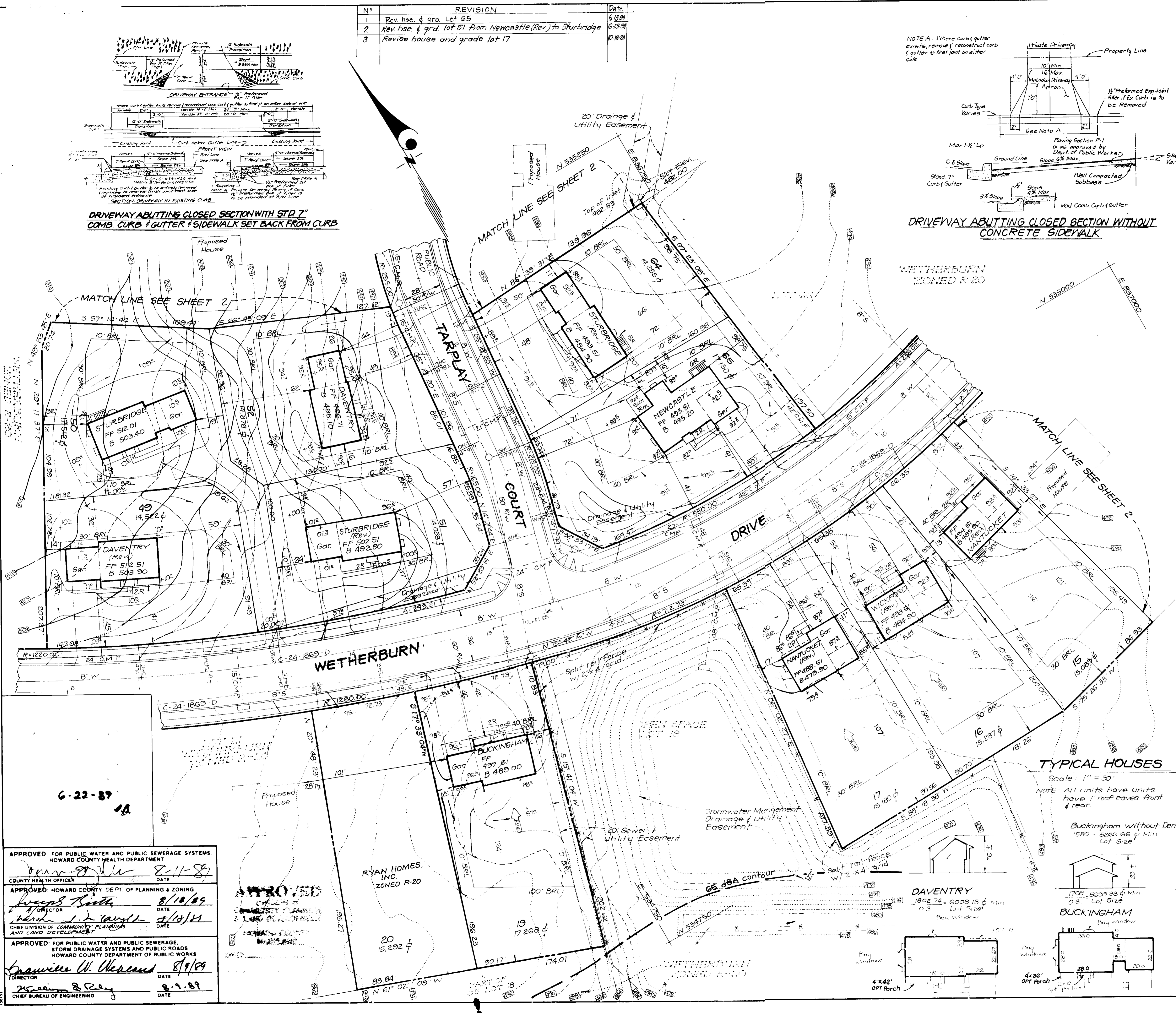
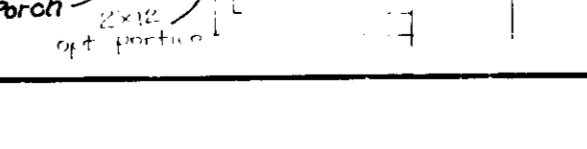
Buckingham Without Den  
 1580 = 5260 66 1/2 Min Lot Size



DAVENTRY  
 1802 72 = 6009 13 1/2 Min Lot Size



Buckingham  
 1708 = 6009 33 1/2 Min Lot Size



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER DATE 8/11/89

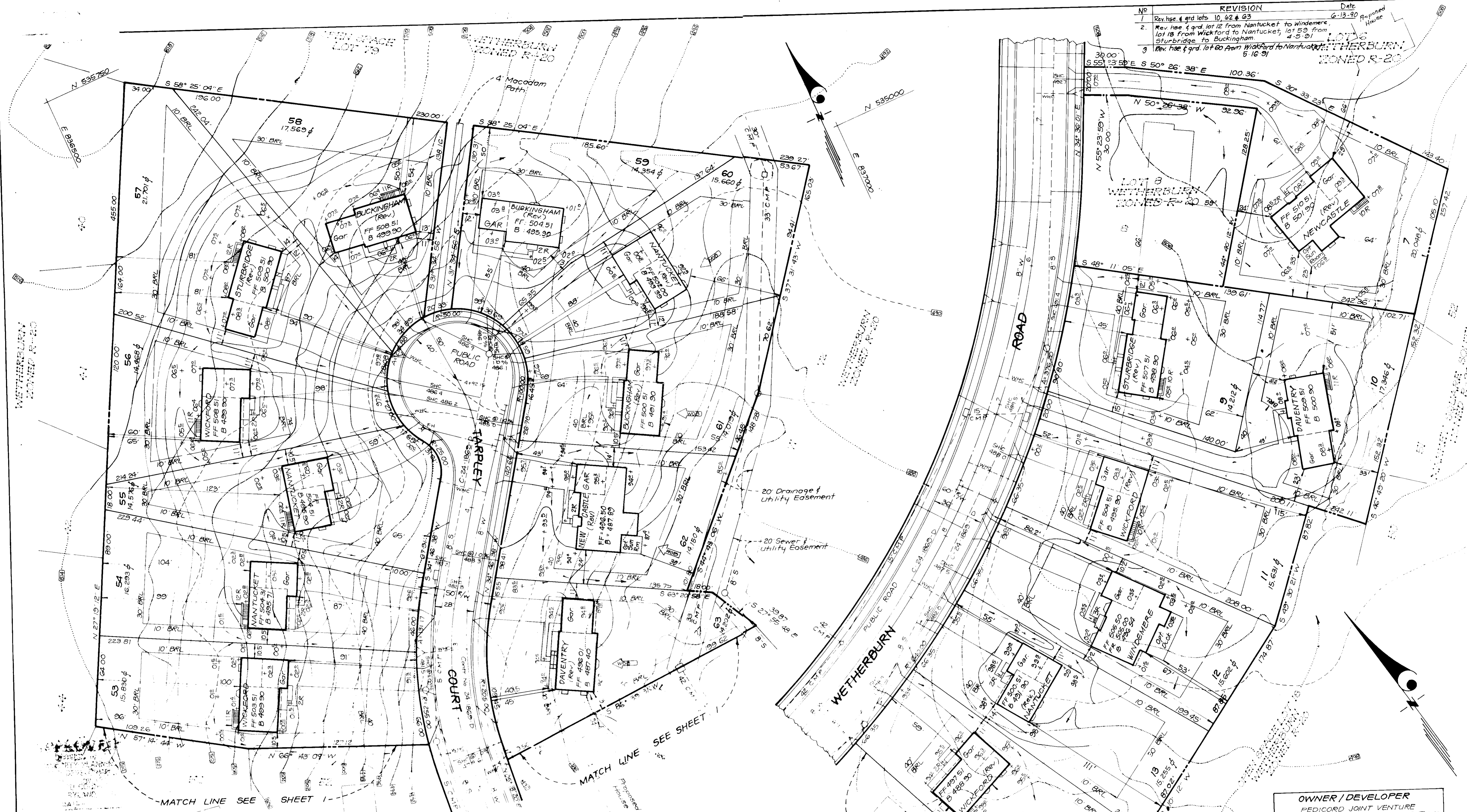
APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING  
 DIRECTOR DATE 8/18/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR DATE 8/19/89

CHIEF BUREAU OF ENGINEERING DATE 8-2-89

|  |   |  |
|--|---|--|
| <b>CLARK • FINEFROCK &amp; SACKETT, INC.</b><br>ENGINEERS • PLANNERS • SURVEYORS |   |  |
| DESIGNED<br><b>JME</b>   | <b>SITE DEVELOPMENT PLAN</b><br>LOTS 7, 9, 17, 19, AND 49-65<br><b>WETHERBURN</b><br>2ND ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND | SCALE<br><b>1" = 30'</b><br>DRAWING<br><b>1 OF 5</b> |
| DRAWN<br><b>BAL</b>  | FOR<br><b>RYAN HOMES, INC.</b><br>9175 Guilford Rd. # 200<br>Columbia, Md. 21046  | JOB NO<br><b>89-051</b><br>FILE NO<br><b>89-05-X</b> |
| CHECKED<br><b>JME</b>  | DATE<br><b>MAY 1989</b>   |  |

| No | REVISION   | Date                   |
|----|--|------------------------|
| 1  | Rev. hse. 4 qrd lots 10, 62 & 63   | 6-13-89 Proposed House |
| 2  | Rev. hse. 4 qrd lot 12 from Nantucket to Wickford, lot 13 from Wickford to Nantucket, lot 14 from Sturbridge to Buckingham | 4-5-91                 |
| 3  | Rev. hse. 4 qrd. lot 60 from Wickford to Nantucket, lot 61 from Nantucket to Wickford                                      | 5-16-91                |



**OWNER / DEVELOPER**  
 PEDICORD JOINT VENTURE  
 c/o LAND DESIGN & DEVELOPMENT, INC.  
 8307 Main Street  
 Ellicott City, Md. 21043

**CLARK • FINEPROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 715 MINISTREL WAY • COLUMBIA, MD. 21046 • (301) 734-1000 • BALTO. • (410) 528-1000 • WASH. DC. • (202) 462-1000

DESIGNED: JME  
 DRAWN: BAL  
 CHECKED: JME  
 DATE: MAY 1989

**SITE DEVELOPMENT PLAN**  
 LOTS 7, 9-17, 19, AND 19-G5  
**WETHERBURN**  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: RYAN HOMES, INC.  
 9175 Guilford Rd. # 200  
 Columbia, Md. 21046

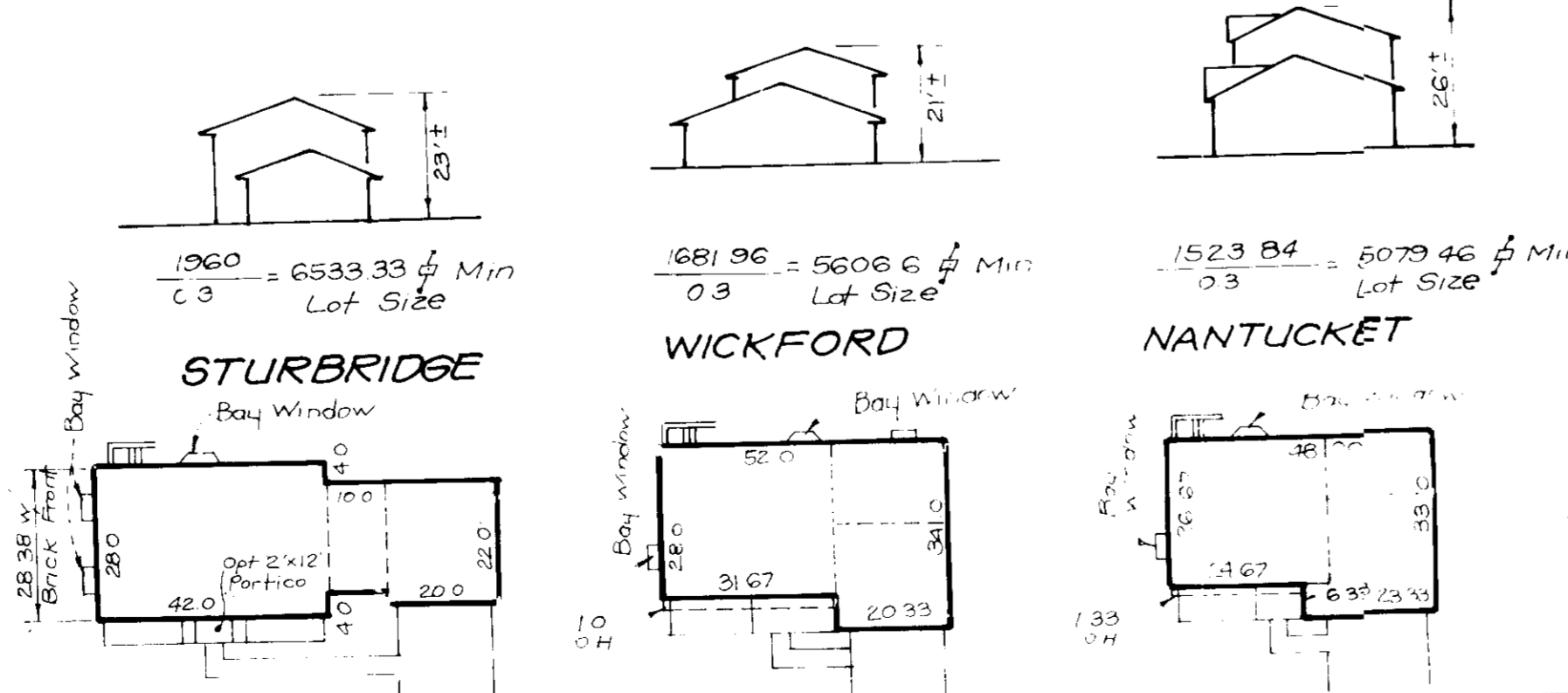
SCALE: 1" = 30'  
 DRAWING: 2 OF 5  
 JOB NO: 89-051  
 FILE NO: 89-051

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 8-11-89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 DIRECTOR: [Signature] DATE: 8/14/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 8-9-89

**APPROVED**  
 DIVISION OF  
 COMMUNITY PLANNING  
 & LAND DEVELOPMENT  
 HOWARD COUNTY,  
 MARYLAND  
 DATE: 6-22-89

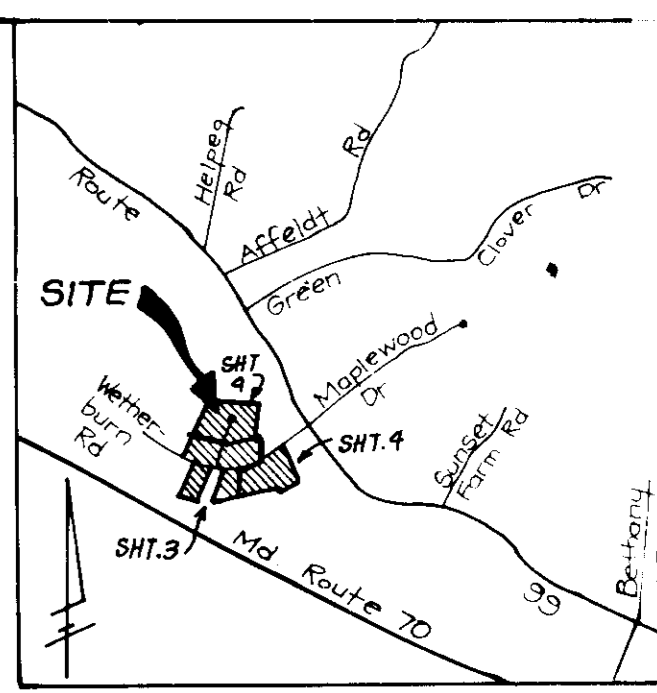


**TYPICAL HOUSES**  
 Scale: 1" = 30'  
 Note: All units have 1" roof eaves front and rear



**TRAP No. 3 SOST (ST-V)**

Drainage Area 4.93 Ac.  
 Storage Provided 8874 CF  
 Storage Required 8910 CF  
 Depth 5'  
 Top of Stone Elev. 483.0  
 Bottom Elev. 483.0  
 Clean out Elev. 485.5  
 Bottom Dimension 76' x 17'  
 1:1 Side Slopes in Cut  
 L=20'



**LEGEND**

- Contour Interval 2 FT
- Existing Contour - - - - -
- Proposed Contour - - - - -
- Spot Elevation +10%
- Direction of Drainage →
- Walk out Basement →
- Ex Trees to be saved
- Earth Dike → E.D.(A-1)
- Silt Fence → S.F.
- Inlet Protection → I.P.
- Stabilized Construction Entrance → SCE

Reviewed for Howard S.C.D.  
 Name  
James R. ... 8/18/89  
 Signature Date  
 U.S. Soil Conservation Service

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

Stephen L. ... 8/4/89  
 Approved Date

**DEVELOPER'S/BUILDER'S CERTIFICATE**

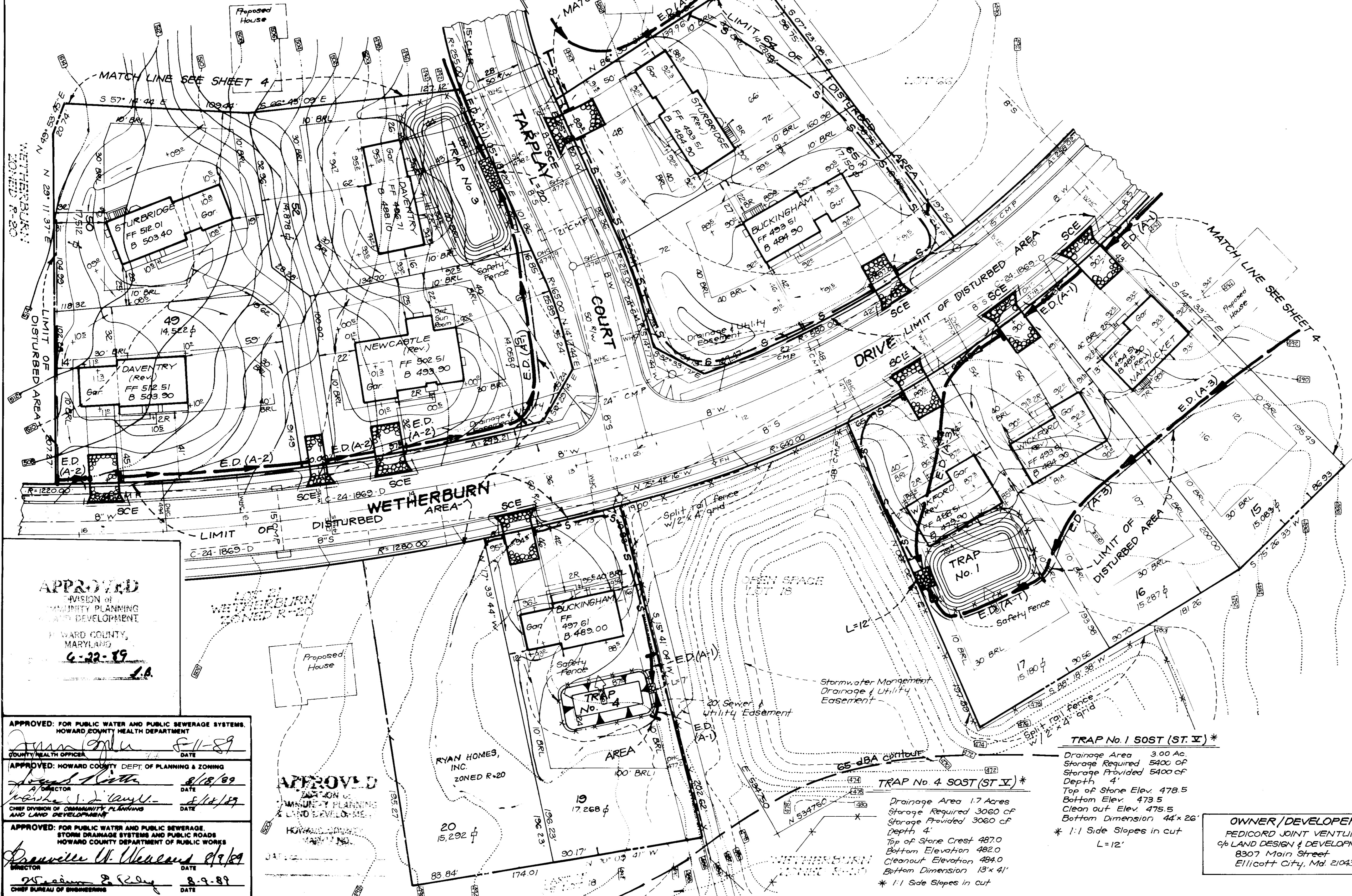
"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

B. ... 5.30.89  
 Signature of Developer/BUILDER Date

**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.

G. Nelson Clark 5.30.89  
 Date



**APPROVED**  
 DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT  
 HOWARD COUNTY, MARYLAND  
 6-22-89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER DATE 8-11-89

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 DIRECTOR DATE 8/18/89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR DATE 8-9-89

**APPROVED**  
 DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT  
 HOWARD COUNTY, MARYLAND

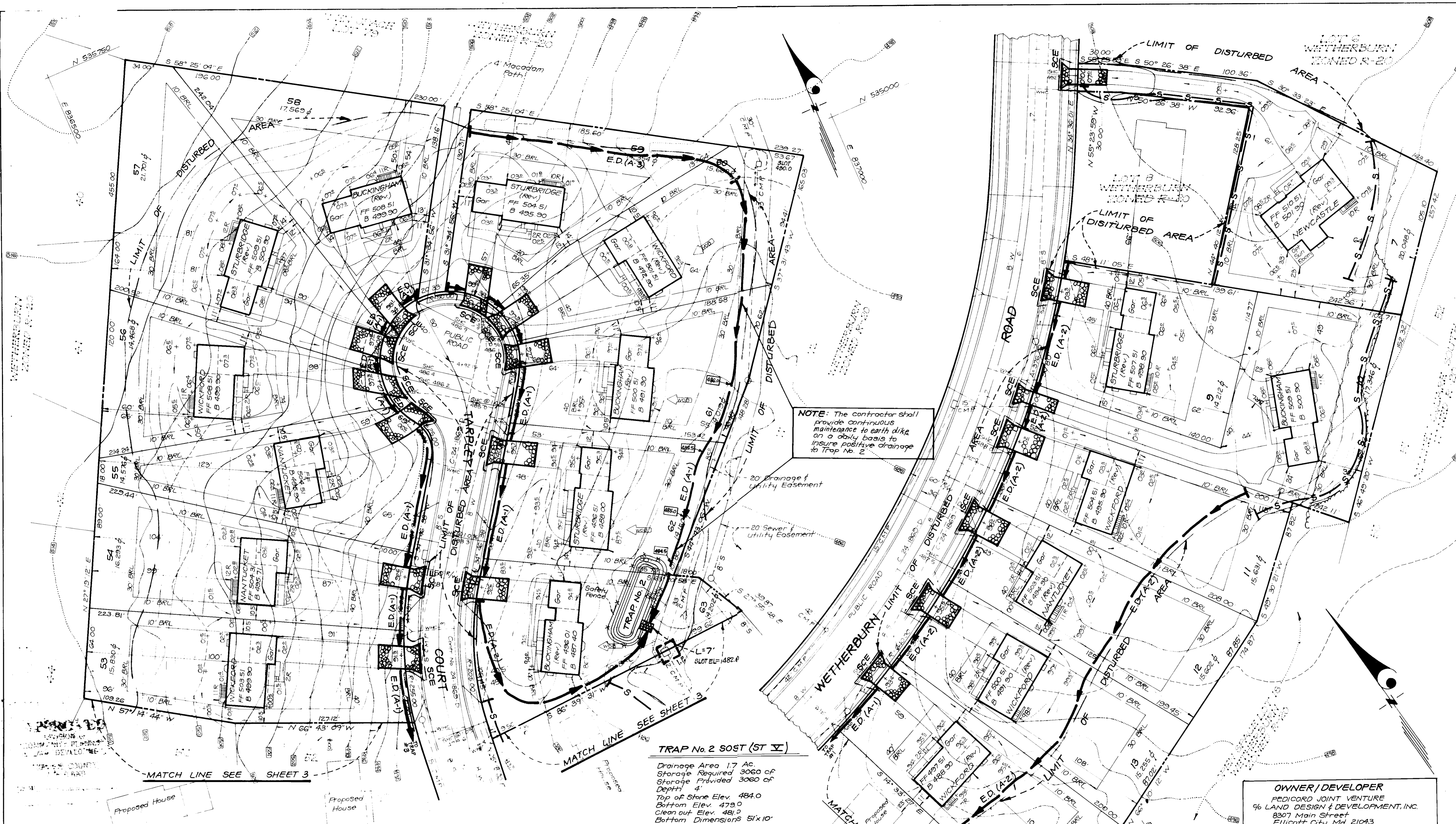
**TRAP No. 4 SOST (ST-V)**  
 Drainage Area 1.7 Acres  
 Storage Required 3060 CF  
 Storage Provided 3060 CF  
 Depth 4'  
 Top of Stone Crest 487.0  
 Bottom Elevation 482.0  
 Cleanout Elevation 484.0  
 Bottom Dimension 13' x 41'  
 1:1 Side Slopes in cut

**TRAP No. 1 SOST (ST-V)**  
 Drainage Area 3.00 Ac.  
 Storage Required 5400 CF  
 Storage Provided 5400 CF  
 Depth 4'  
 Top of Stone Elev. 478.5  
 Bottom Elev. 473.5  
 Clean out Elev. 475.5  
 Bottom Dimension 44' x 26'  
 1:1 Side Slopes in cut  
 L=12'

**OWNER/DEVELOPER**  
 PEDICORD JOINT VENTURE  
 c/o LAND DESIGN & DEVELOPMENT, INC.  
 8307 Main Street  
 Ellicott City, Md. 21043



|   |  |                    |
|---|--|--------------------|
| <b>CLARK • FINEROCK &amp; SACKETT, INC.</b><br>ENGINEERS • PLANNERS • SURVEYORS<br>7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH |  |                    |
| DESIGNED<br>KIWM  | <b>SEDIMENT &amp; EROSION CONTROL PLAN</b><br>LOTS 7, 9-17, 19, AND 49-65<br><b>WETHERBURN</b><br>2ND ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND | SCALE<br>1" = 30'  |
| DRAWN<br>BAL  |  | DRAWING<br>3 OF 5  |
| CHECKED<br>KIWM   |  | JOB NO.<br>89-051  |
| DATE<br>MAY 1989  |  | FILE NO.<br>89-051 |
| FOR RYAN HOMES, INC.<br>9175 Guilford Rd. # 200<br>Columbia, Md. 21046  |  |                    |



NOTE: The contractor shall provide continuous maintenance to earth dike on a daily basis to insure positive drainage to Trap No. 2.

**TRAP No. 2 SOST (ST V)**  
 Drainage Area 1.7 AC.  
 Storage Required 3060 of  
 Storage Provided 3060 of  
 Depth 4'  
 Top of Stone Elev. 484.0  
 Bottom Elev. 479.0  
 Clean out Elev. 481.0  
 Bottom Dimensions 51x10'  
 1:1 Side Slopes in cut  
 L=7'

**OWNER/DEVELOPER**  
 PEDI-CORD JOINT VENTURE  
 96 LAND DESIGN & DEVELOPMENT, INC.  
 8307 Main Street  
 Ellicott City, Md. 21043

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* 8-11-89  
 DATE

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 PLANNING DIRECTOR: *[Signature]* 8/18/89  
 DATE  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* 8/19/89  
 DATE  
 CHIEF BUREAU OF ENGINEERING: *[Signature]* 8-9-89  
 DATE

**APPROVED**  
 DIVISION OF  
 COMMUNITY PLANNING  
 & LAND DEVELOPMENT  
 HOWARD COUNTY,  
 MARYLAND  
 DATE: 6-22-89

Reviewed for... *[Signature]* S.C.D.  
 Name: *[Signature]* 8/1/89  
 Date  
 U.S. Soil Conservation Service  
 THIS DEVELOPMENT PLAN IS APPROVED  
 FOR SOIL EROSION AND SEDIMENT  
 CONTROL BY THE HOWARD SOIL  
 CONSERVATION DISTRICT.

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
 I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

*[Signature]* 5-30-89  
 Signature of Developer/Builder Date

**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.

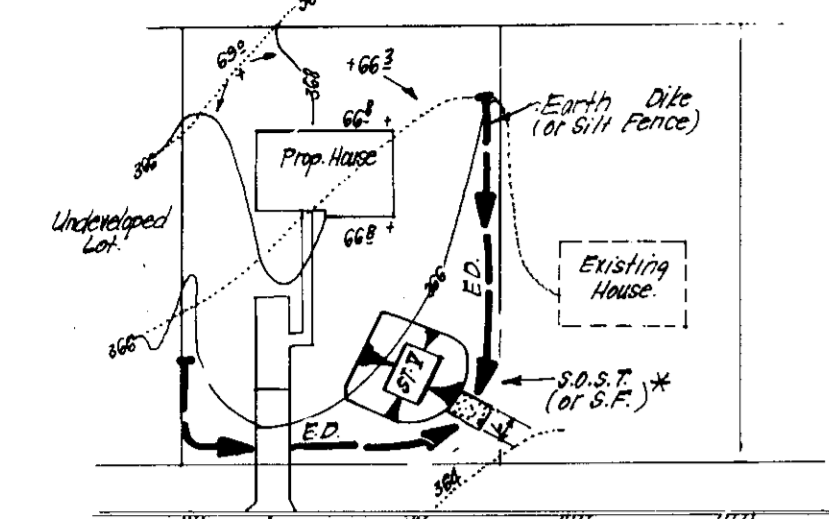
*[Signature]* 5-30-89  
 Date



**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7300 MINSTER WAY • COLUMBIA, MD. 21046 • (410) 271-7900 • FAX (410) 271-7901 • WWW.CFSI.COM

|                  |  |  |
|------------------|--|--|
| DESIGNED<br>KIWM | <b>SEDIMENT &amp; EROSION CONTROL PLAN</b><br>LOTS 7, 9-17, 19, AND 49-65<br><b>WETHERBURN</b><br>2ND ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND | SCALE<br>1" = 30'  |
| DRAWN<br>BAL     |  | DRAWING<br>4 OF 5  |
| CHECKED<br>KIWM  |  | JOB NO.<br>89-051  |
| DATE<br>MAY 1989 |  | FILE NO.<br>89-051SE   |
|                  |  | FOR: RYAN HOMES, INC.<br>3175 Guilford Rd # 200<br>Columbia, Md. 21046 |

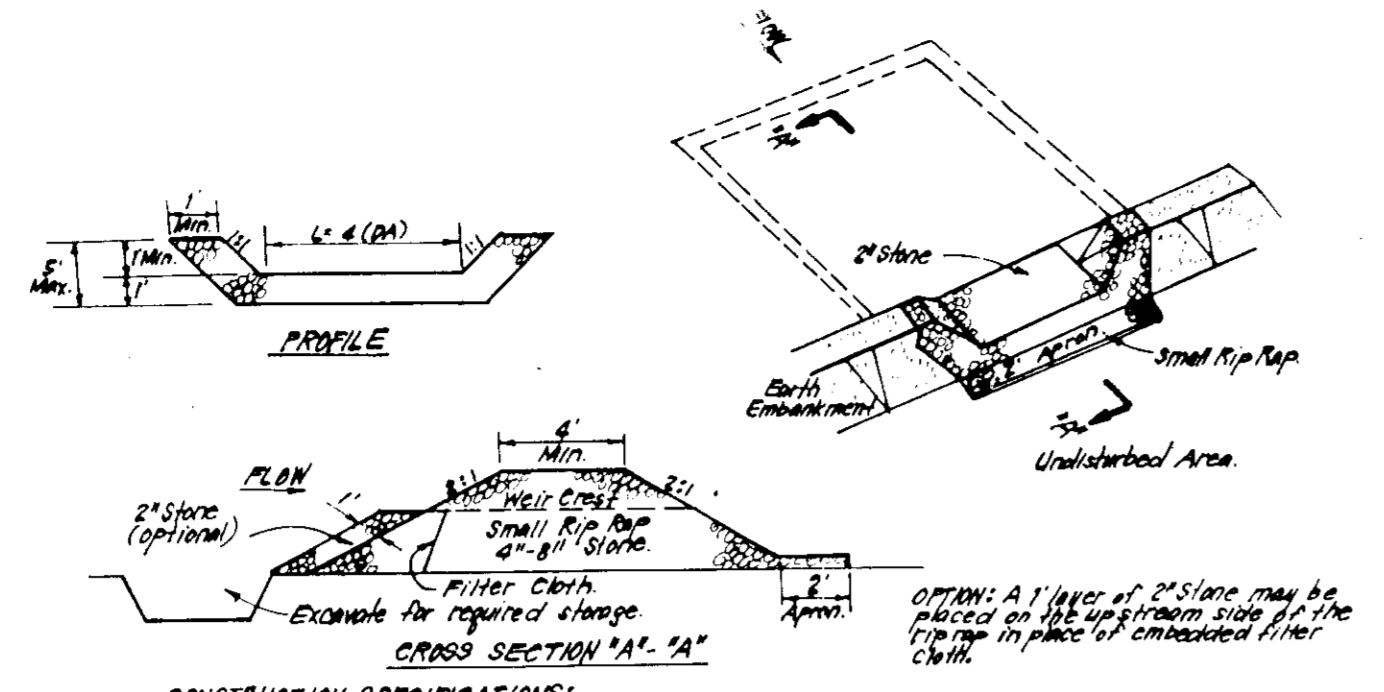
SDP 39 240



\* NOTE: Single lot detail can not be utilized if any two lots adjoining property lines are to be disturbed at the same time or if any lots showing a sediment trap.

| NO. | DESCRIPTION | AREA | TYPE  |
|-----|-------------|------|-------|
| 1   | Grass       | 1.00 | Grass |
| 2   | Grass       | 1.00 | Grass |
| 3   | Grass       | 1.00 | Grass |
| 4   | Grass       | 1.00 | Grass |
| 5   | Grass       | 1.00 | Grass |
| 6   | Grass       | 1.00 | Grass |
| 7   | Grass       | 1.00 | Grass |
| 8   | Grass       | 1.00 | Grass |
| 9   | Grass       | 1.00 | Grass |
| 10  | Grass       | 1.00 | Grass |
| 11  | Grass       | 1.00 | Grass |
| 12  | Grass       | 1.00 | Grass |
| 13  | Grass       | 1.00 | Grass |
| 14  | Grass       | 1.00 | Grass |
| 15  | Grass       | 1.00 | Grass |
| 16  | Grass       | 1.00 | Grass |
| 17  | Grass       | 1.00 | Grass |
| 18  | Grass       | 1.00 | Grass |
| 19  | Grass       | 1.00 | Grass |
| 20  | Grass       | 1.00 | Grass |

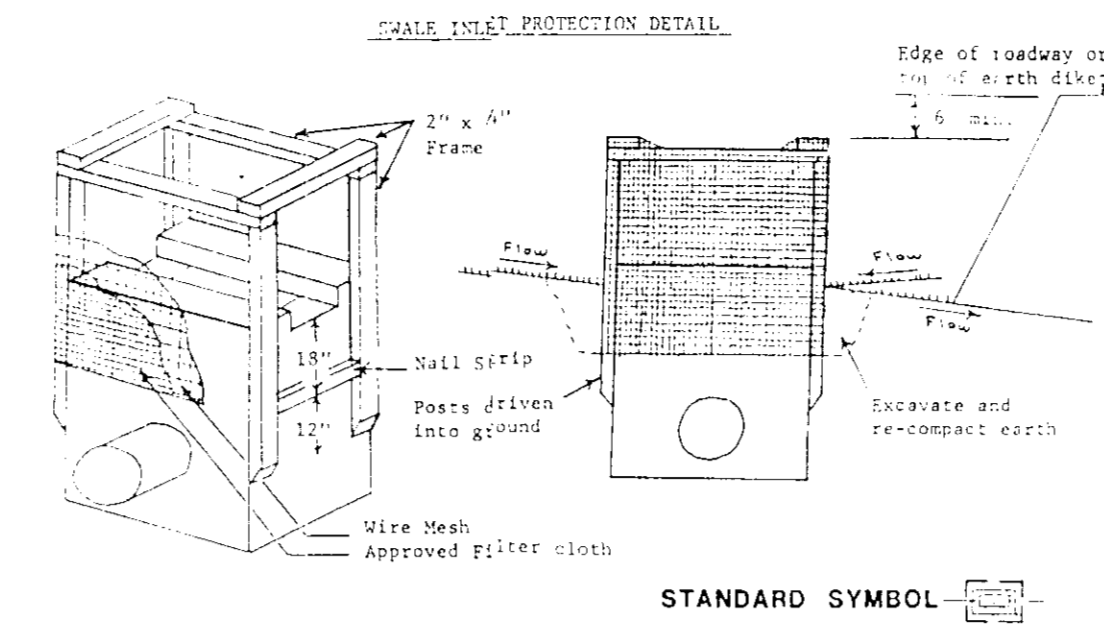
SINGLE LOT SEDIMENT CONTROL PLAN  
NO SCALE



**CONSTRUCTION SPECIFICATIONS:**

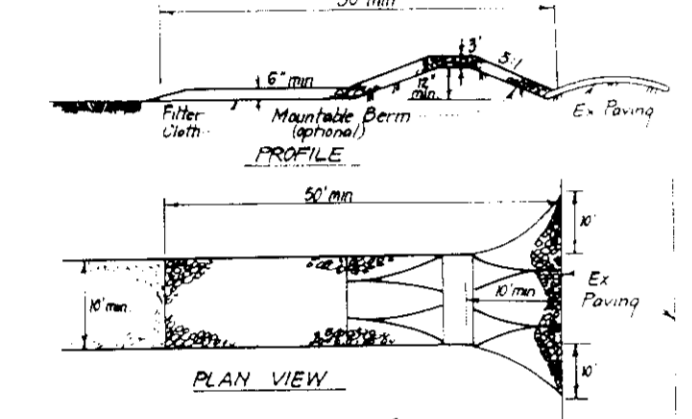
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil shall be compacted.
- The 1/4" gravel for the embankment shall be free of rocks and other woody vegetation as well as ever-sized stones, rocks or organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- 4" x 4" and 2" x 2" slabs shall be 1/2" or thicker.
- The stone used in the outlet shall be small rip rap 4"-8" with 1" thickness of 2" aggregate placed on the up-slope side of the small rip rap of crushed filter cloth in the frame.
5. Sediment shall be removed and traps removed to its original dimensions when the sediment has accumulated to 1/2" the design depth of the trap.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

**STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV.**  
NO SCALE



- II. Procedure**
- A swale, ditchline or yard inlet protection.
  - Excavate completely around inlet to a depth of 18" below notch elevation.
  - Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (posts) must be 4" below edge of roadway adjacent to inlet.
  - Stretch wire mesh tightly around frame and fasten corners. Ends must meet at post.
  - Stretch filter cloth 12" over wire mesh. The cloth must extend from top of frame to 18" below inlet notch edge. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
  - Backfill around inlet in compacted 6" layers until lower of earth is even with notch elevation on ends and top elevation on sides.
  - If the inlet is not to a 1/2" depth, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 1" higher than the top of frame.
  - This structure must be inspected frequently and the filter fabric replaced when clogged.

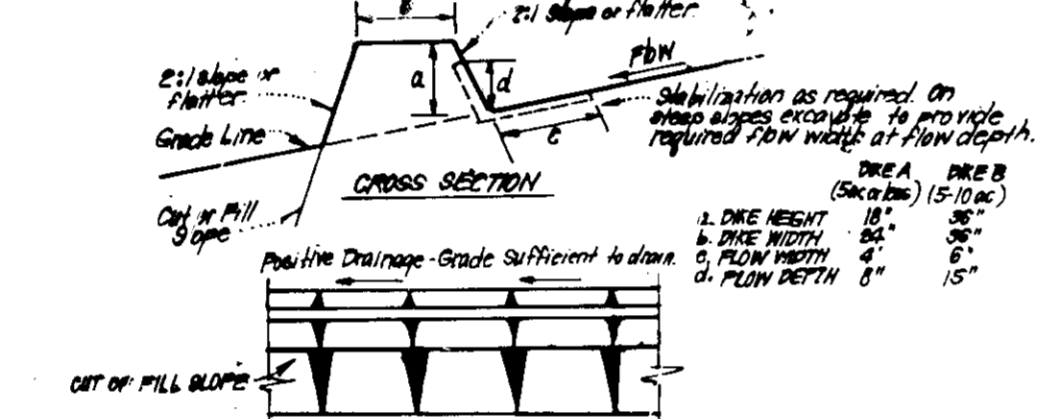
**INLET PROTECTION**



**CONSTRUCTION SPECIFICATIONS:**

- Stone size: Use 2" stone or recycled concrete equivalent.
- Length: As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness: Not less than six (6) inches.
- Width: Ten (10) feet minimum, but not less than the full width of concrete where ingress or egress occurs.
- Filter Cloth: Will be placed over the entire area prior to placing of stone. Filter will not be required over single family residence lot.
- Surf Face Water: All surf face water flowing or splashing toward construction entrance shall be passed across the entrance. If doing so requires a channel, a minimum side berm with 3" slopes will be provided.
- Maintenance: The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights of way. This may require periodic top dressing with additional stone or crushed concrete and minor sand or cement. If any material used to trap sediment will sediment back and trapped material will be removed periodically.
- Inspection: The entrance shall be inspected after each rain. If the stone or cement is eroded or displaced, it shall be replaced. If the stone or cement is eroded or displaced, it shall be replaced. If the stone or cement is eroded or displaced, it shall be replaced.
- Periodic inspection and required maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)**  
NO SCALE



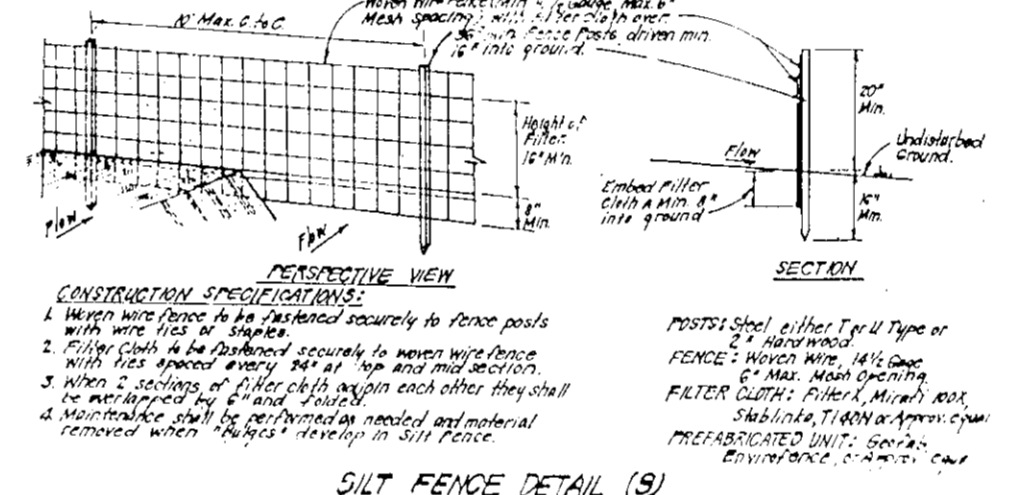
**CONSTRUCTION SPECIFICATIONS:**

- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- The width may be wider and side slopes may be steeper if desired, to facilitate crossing by construction traffic.
- Final location should be adjusted as needed to utilize a stabilized earth dike.
- Earth dikes shall have a water stop structure with a minimum of erosion. Material shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either, the dike channel or the drainage area above the dike are not satisfactorily stabilized.
- Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per chart below.

| TYPE OF DISTURBANCE | CHANNEL | DIKE A              | DIKE B              |
|---------------------|---------|---------------------|---------------------|
| 1                   | 15-30%  | Seed or Straw Mulch | Seed or Straw Mulch |
| 2                   | 31-50%  | Seed or Straw Mulch | Seed or Straw Mulch |
| 3                   | 51-70%  | Seed or Straw Mulch | Seed or Straw Mulch |
| 4                   | 71-100% | Seed or Straw Mulch | Seed or Straw Mulch |

A Stone to be 2" Stone or recycled concrete equivalent, in a layer at least 3" thick and be placed into soil with construction equipment.  
B Rip Rap to be 4"-8" in a layer at least 1" thick, pressed into soil.  
C Approved equivalents can be substituted for any of the above materials.  
7. Periodic inspection and required maintenance must be provided after each rain.

**EARTH DIKE DETAIL (E.D.)**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS:**

- When used for erosion control, it shall be installed securely in stone posts.
- When used for sediment control, it shall be installed in a trench with a minimum depth of 18" below the top of the frame.
- When used for sediment control, it shall be installed in a trench with a minimum depth of 18" below the top of the frame.
- When used for sediment control, it shall be installed in a trench with a minimum depth of 18" below the top of the frame.

**SILT FENCE DETAIL (S)**  
NO SCALE

**TEMPORARY 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, disking or other acceptable means before seeding, if not previously loosened.

**Soil Amendments:** In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq 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).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (22 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 15 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 3 1/2 gallons per acre (8 gal/1000 sq ft) for anchoring.

**Maintenance:** Inspect all seeded areas and make needed repairs, replacements and reseedings.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

**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 1 thru November 15, seed with 25 bushel per acre of annual ryegrass (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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 3 1/2 gallons per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 HANDBOOK OF STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

| CONSTRUCTION SEQUENCE  | NO. OF DAYS |
|--|-------------|
| A. Obtain grading permit and install sediment and erosion control devices and stabilize.                       | 7           |
| B. Excavate for foundations, rough grade and temporarily stabilize.  | 30          |
| C. Construct structures, sidewalks and driveways.  | 120         |
| D. Final grade in accordance with standards and specifications.  | 150         |
| E. When trap #2 is removed complete grading of waste in the rear of lots 63 and 64 and stabilize as necessary. | 7           |
| F. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.        | 7           |

\* Delay construction on lots 17 and 52 until respective traps are removed.

**APPROVED**  
DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE 6-22-89  
28

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
[Signature] 8-11-89  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING  
[Signature] 8/18/89  
PLANNING DIRECTOR DATE

APPROVED: CHIEF DIVISION OF COMMUNITY PLANNING  
& LAND DEVELOPMENT  
[Signature] 8/18/89  
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC WORKS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
[Signature] 8/9/89  
DIRECTOR DATE

APPROVED: CHIEF BUREAU OF ENGINEERING  
[Signature] 8-9-89  
DATE

Reviewed for: Howard S.C.D.  
Name  
and meet Technical Requirements  
[Signature] 8/19/89  
Signature Date  
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED  
FOR SOIL EROSION AND SEDIMENT  
CONTROL BY THE HOWARD SOIL  
CONSERVATION DISTRICT.  
[Signature] 8/4/89  
Approved Date

**DEVELOPER'S/BUILDER'S CERTIFICATE**

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

[Signature] 5-30-89  
Signature of Developer/Builder Date



**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.

[Signature] 5-30-89  
G. Nelson Clark Date

**OWNER / DEVELOPER**  
PEDICORD JOINT VENTURE  
% LAND DESIGN & DEVELOPMENT, INC.  
8307 Main Street  
Ellicott City, Md. 21043

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 BALTO • (410) 471-1100 WASH

|                  |  |  |
|------------------|--|--|
| DESIGNED<br>KIWM | <b>SEDIMENT &amp; EROSION CONTROL PLAN</b><br>LOTS 7, 9-17, 19 AND 49-65 | SCALE<br>1" = 30'  |
| DRAWN<br>BAL     |  | DRAWING<br>5 OF 5  |
| CHECKED<br>KIWM  | <b>WETHERBURN</b><br>2ND ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND    | JOB NO<br>89-051   |
| DATE<br>MAY 1989 |  | FILE NO<br>89-0515E  |
|                  |  | FOR RYAN HOMES, INC<br>9175 Guilford Rd # 200<br>Columbia, Md. 21046 |

S.D.P. 89 240