

LOT No	STREET ADDRESS
66	10252 WETHERBURN
67	10248 " "
68	10244 " "
69	10240 " "
70	10236 " "
71	10232 " "
72	10228 " "
73	10224 " "

**SPECIAL NOTES**

All Road Construction, Storm Drainage Facilities and Public Water and Sewer are shown for reference only. Use approved Howard County plans for all phases of Construction.

**GENERAL NOTES**

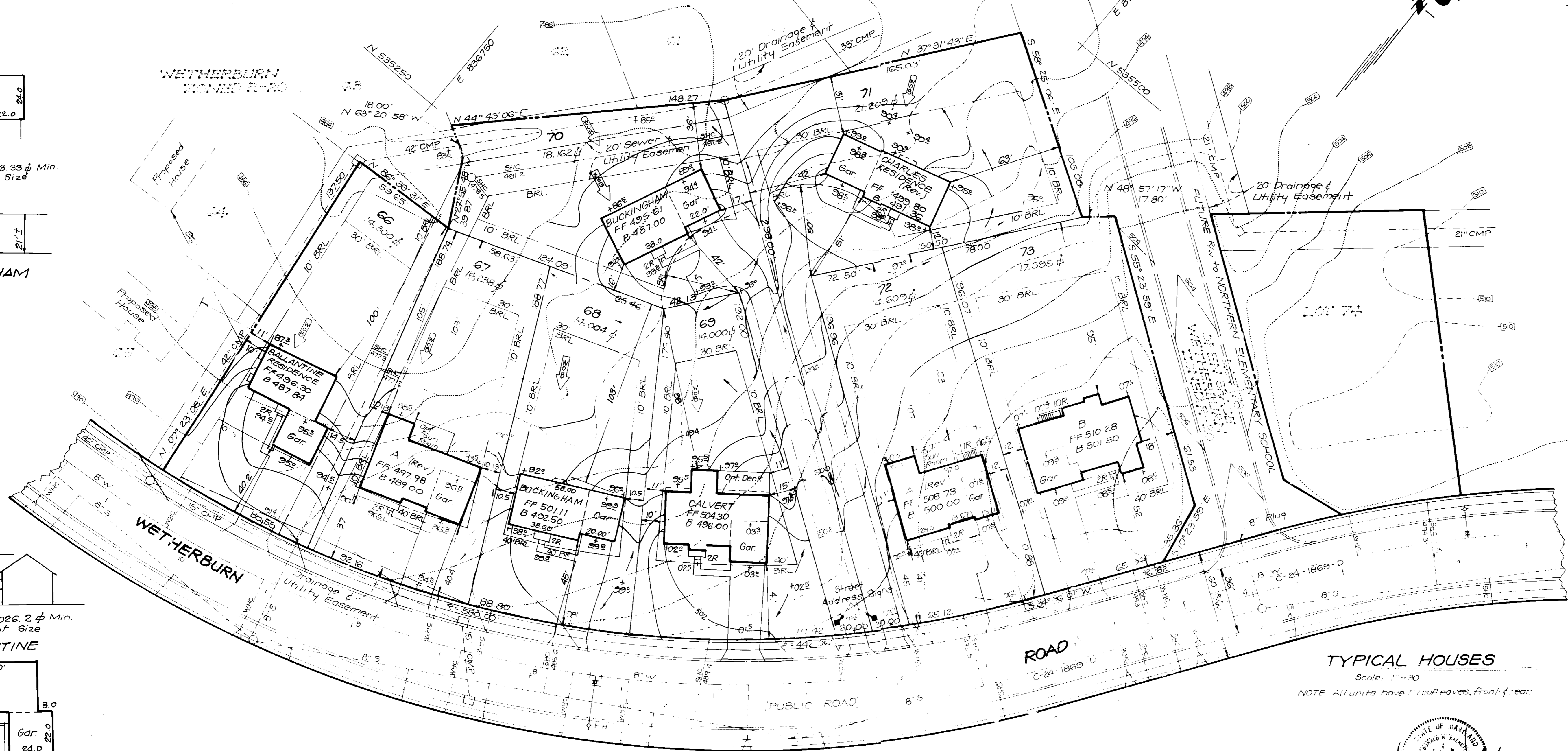
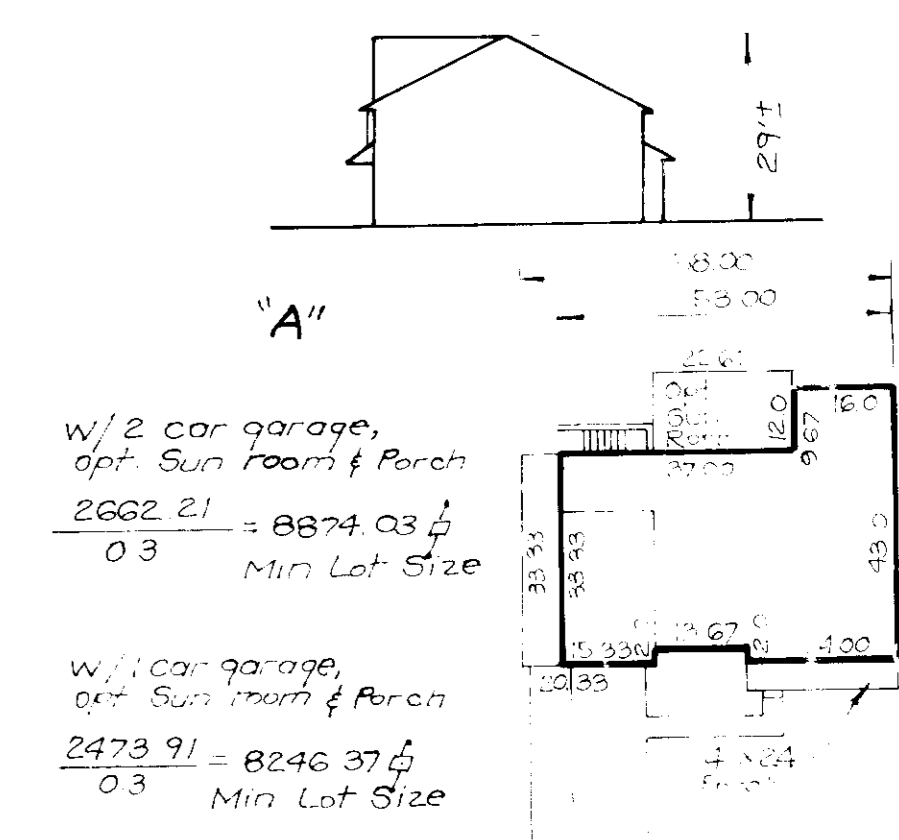
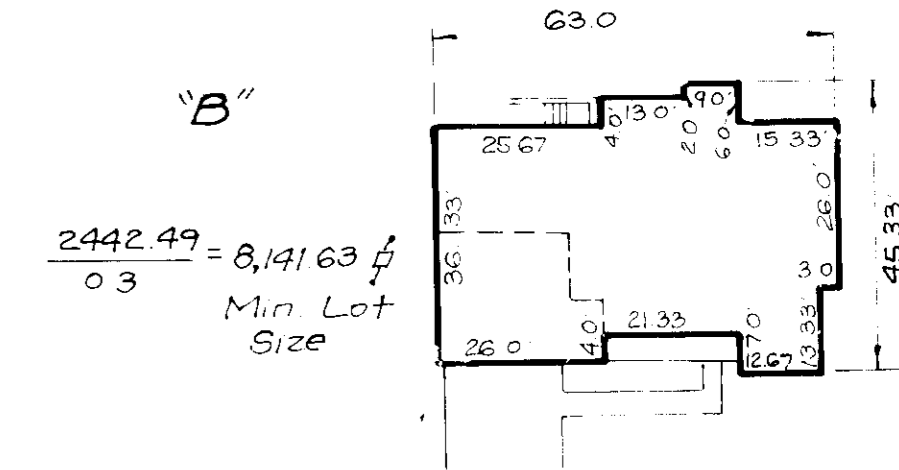
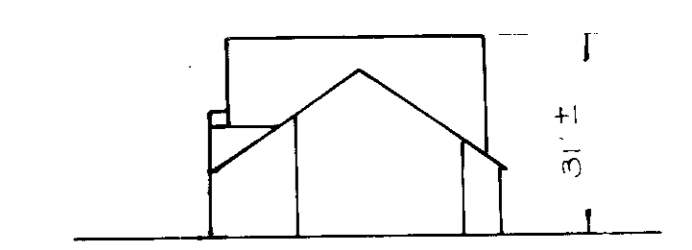
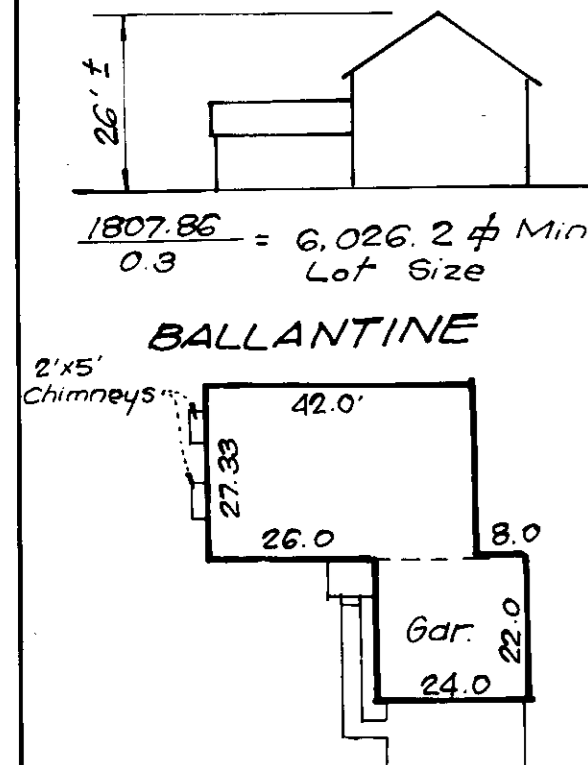
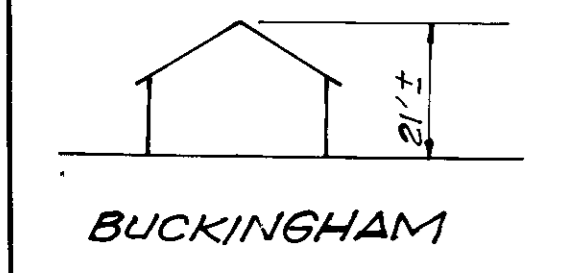
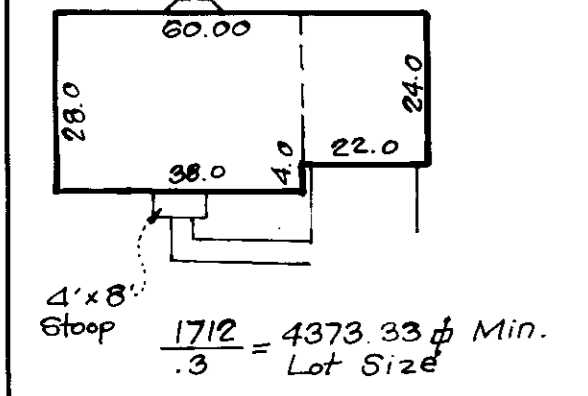
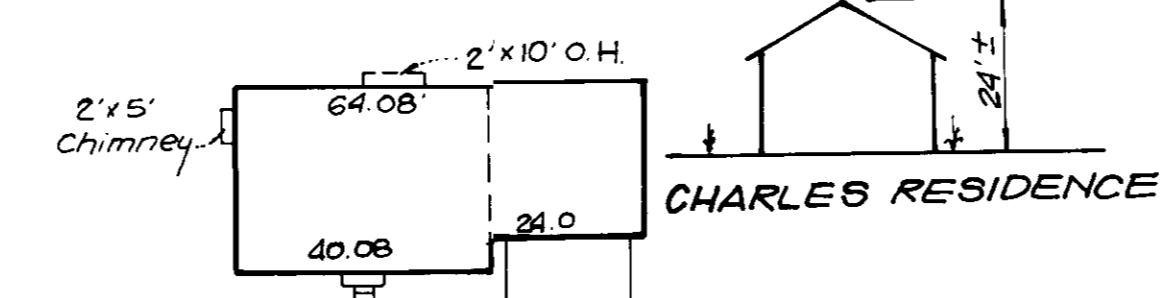
- 1 Subject property zoned R20 as per B 2 85 Comprehensive Zoning Plan
- 2 The coordinates shown hereon are based on The Maryland State Grid System and derived from the following Howard County Control Stations 34400001 and 34400002.
- 3 All roadways are public and existing
- 4 Total area included in this submission 2.942 Ac
- 5 Total number of lots 8
- 6 Any damage to utility owned right-of-ways shall be corrected at the Developer's expense
- 7 Maximum lot coverage is 30%
- 8 Reference plans S-88-103, P-89-16 and F-89-126.
- 9 The Contractor or Developer shall contact the Construction Inspection 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. F-89-126
- 11 Stormwater Management provided for in F-89-126

**VICINITY MAP**  
Scale 1" = 2000'

**LEGEND**

- Contour Interval 2 FT
- Existing Contour ---
- Proposed Contour - - -
- Spot Elevation +10.5
- Direction of Drainage Walk out Basement

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



**TYPICAL HOUSES**

Scale: 1" = 30'  
NOTE: All units have 1' roof eaves, front & rear.

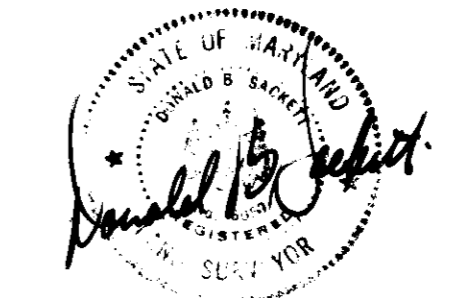
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER: *[Signature]* DATE: 8/1/89

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

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: *[Signature]* DATE: 7/28/89

NO	REVISIONS	Date
1	Rev. hse & grd. lot 71, Add house typical	5-12-92
3	Rev. hse & grd. lot 66	2-19-92
2	Rev. hse & grd. lots 68 & 70	10-11-91
7	Rev. hse & grd. lots 68 & 69	5-31-91

OWNER / DEVELOPER  
PELICORO JOINT VENTURE  
LAND DESIGN and DEVELOPMENT, INC.  
8307 Main Street  
Ellicott City, Md 21043



**CLARK • FINEROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS

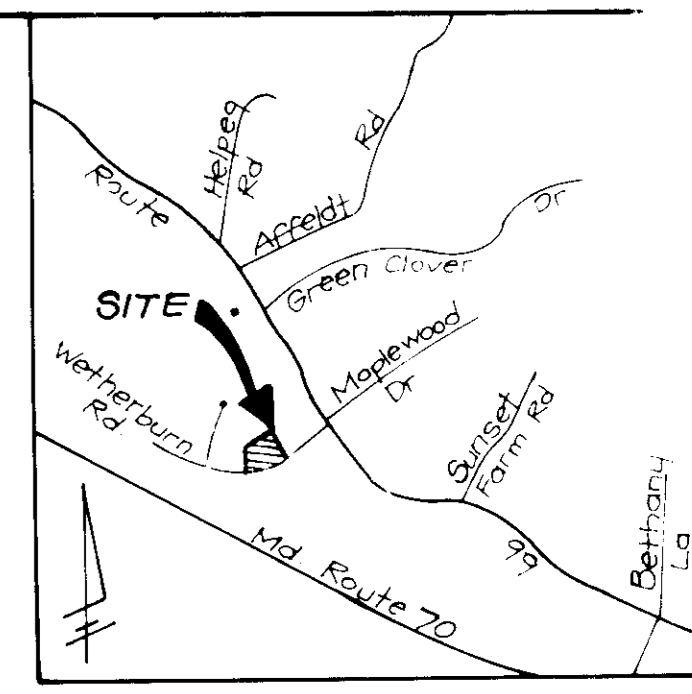
DESIGNED: JME  
DRAWN: BAL  
CHECKED: JME

**WETHERBURN**  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DATE: JUNE 1989

FOR: KNECHT ENTERPRISES  
3230 Bethony Lane  
Ellicott City, Md 21043

SCALE: 1" = 30'  
DRAWING: 1 OF 3  
JOB NO: 89-072  
FILE NO: 89-072x

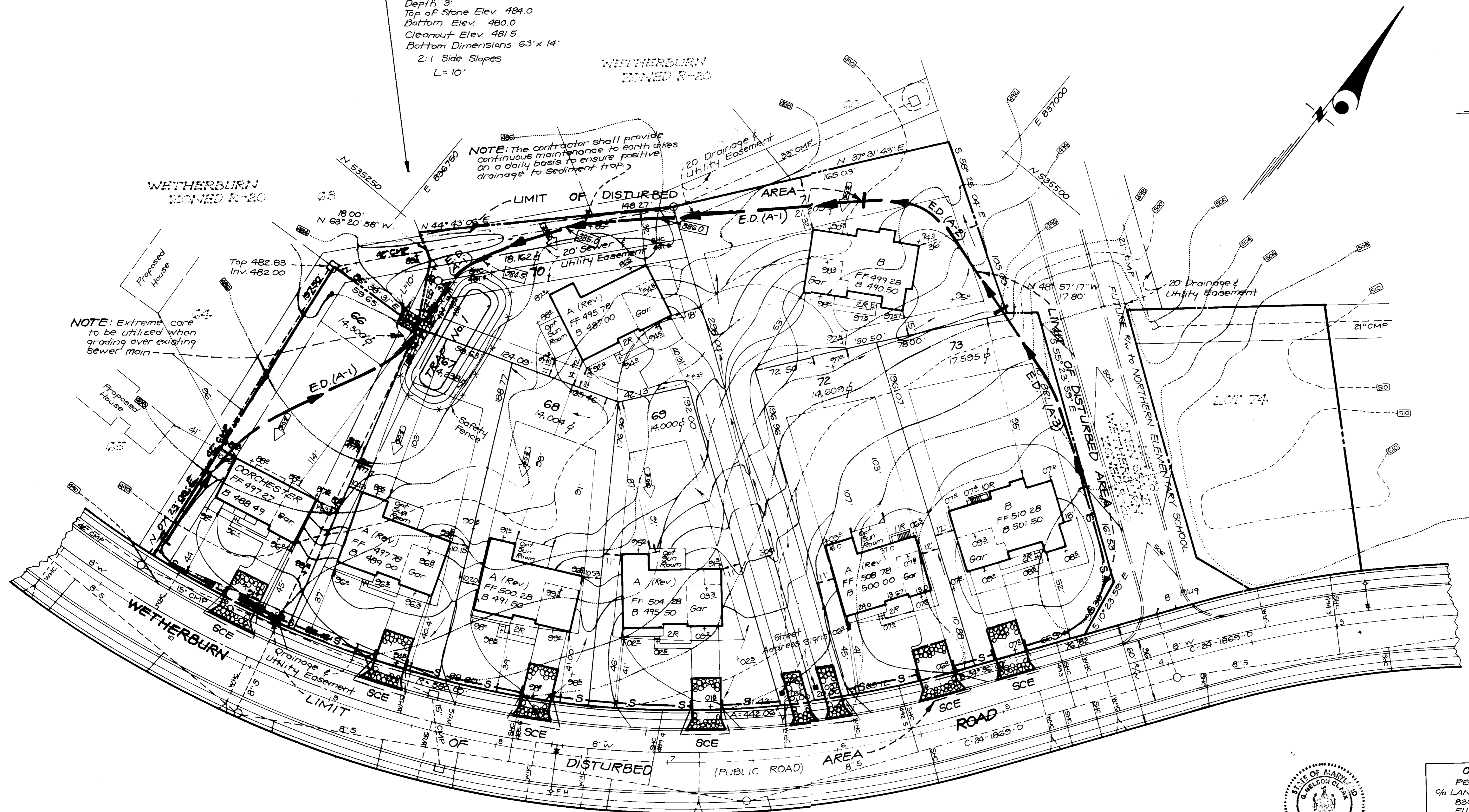


**TRAP No. 1 SOST (ST-X)**

Drainage Area 2.3 Acres  
 Storage Required 4140 CF  
 Storage Provided 4140 CF  
 Depth 3'  
 Top of Stone Elev. 484.0  
 Bottom Elev. 480.0  
 Cleanout Elev. 481.5  
 Bottom Dimensions 63' x 14'  
 2:1 Side Slopes  
 L = 10'

NOTE: The contractor shall provide continuous maintenance to both dikes on a daily basis to ensure positive drainage to sediment trap.

NOTE: Extreme care to be utilized when grading over existing sewer main.



**LEGEND**

- Contour Interval 2 FT
- Existing Contour (dashed line)
- Proposed Contour (solid line)
- Spot Elevation (+10%)
- Direction of Drainage (arrow)
- Walk out Basement (S-S)
- Earth Dike (E.D. (A-1))
- Stabilized Construction Entrance (SCE)



**OWNER / DEVELOPER**  
 PEDICORD JOINT VENTURE  
 c/o LAND DESIGN and DEVELOPMENT, INC.  
 8807 Main Street  
 Ellicott City, Md. 21043

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER  
 DATE 8/1/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 COUNTY HEALTH OFFICER  
 DATE 8/1/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE 7/28/89

Reviewed for HOWARD S.C.D.  
 Name  
 Signature  
 Date 7/27/89  
 U.S. Soil Conservation Service

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

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 and deemed necessary.

Signature of Developer/Builder Date 6/5/89

**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.

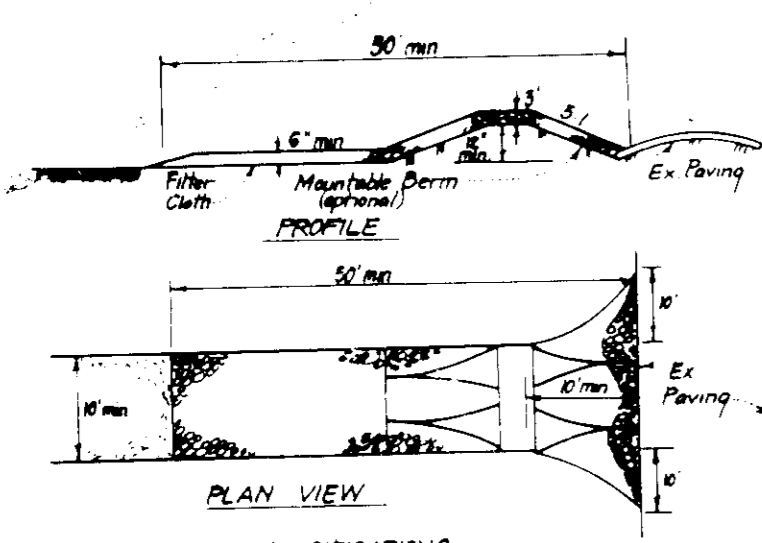
Signature of Engineer Date 5-31-89

**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO • (301) 621-8900 - WASH

**SEDIMENT & EROSION CONTROL PLAN**  
 LOTS 66 thru 73  
**WETHERBURN**  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: KNECHT ENTERPRISES, I  
 3250 Bethany Lane  
 Ellicott City, Md. 21043  
 S.D.P. 89-240

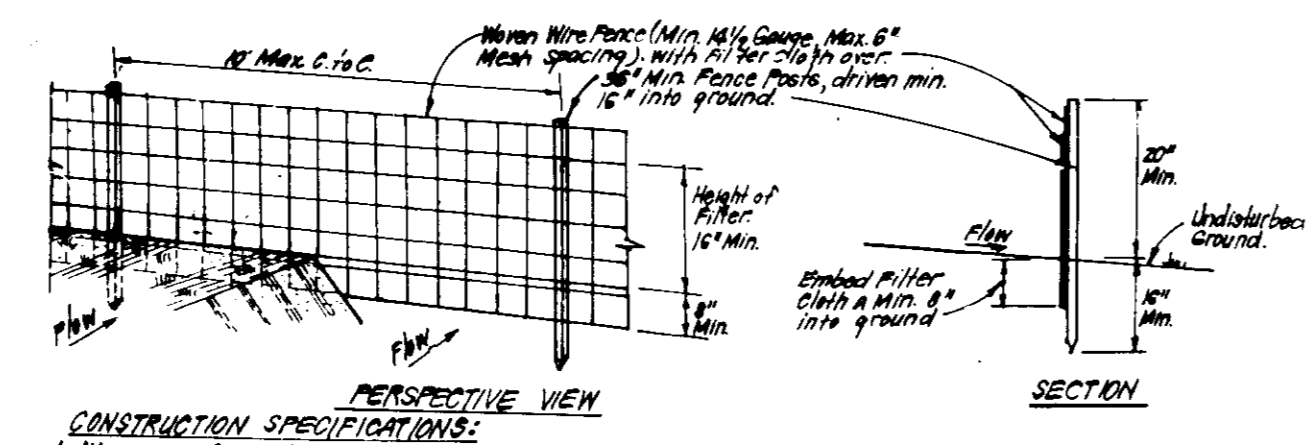
DESIGNED KIWM SCALE 1" = 30'  
 DRAWN BAL DRAWING 2 OF 3  
 CHECKED KIWM JOB NO. 89-072  
 DATE JUNE 1989 FILE NO. 89-072



**CONSTRUCTION SPECIFICATIONS**

- Stone size - Use 2" stone or equivalent in required concrete equivalent.
- Length - As required, but not less than 10' 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 points where ingress or egress occurs.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required in a single family residence lot.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mouth side berm with 3" slope will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public right-of-way. This includes periodic top dressing with additional stone as needed. All sediment applied, tracked, washed or tracked onto public right-of-way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public right-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.
- Periodic inspection and needed maintenance shall be provided after each rain.

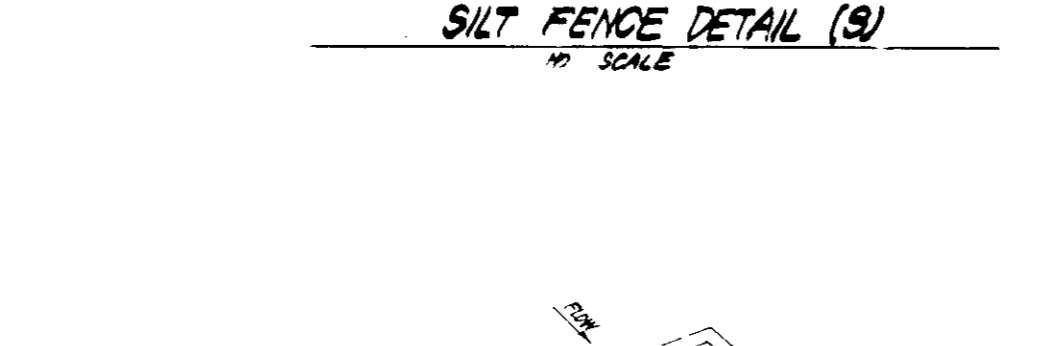
**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS**

- Rebar shall be installed in accordance with the design.
- Concrete shall be placed and finished in accordance with the design.
- Formwork shall be used to support the concrete until it has attained sufficient strength.
- Finishing shall be performed as needed and material removed when aggregates develop in Slit Fence.

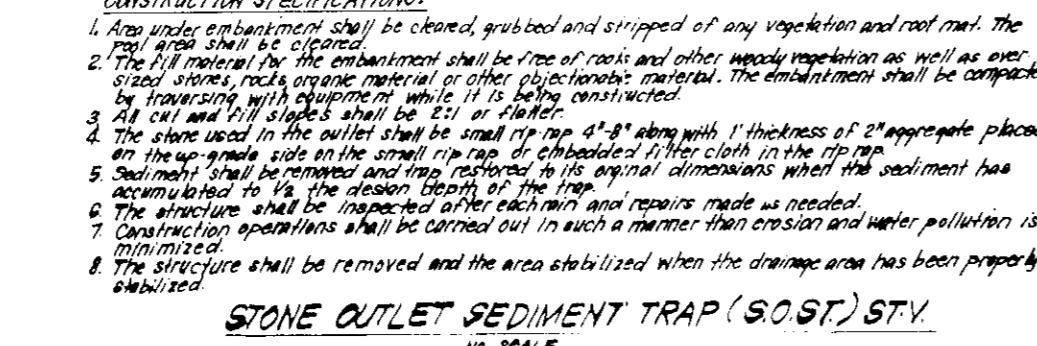
**POST-TENSIONED (PT) SLAB**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS**

- Slit Fence shall be constructed in accordance with the design.
- Filter cloth shall be installed in accordance with the design.
- Concrete shall be placed and finished in accordance with the design.
- Formwork shall be used to support the concrete until it has attained sufficient strength.
- Finishing shall be performed as needed and material removed when aggregates develop in Slit Fence.

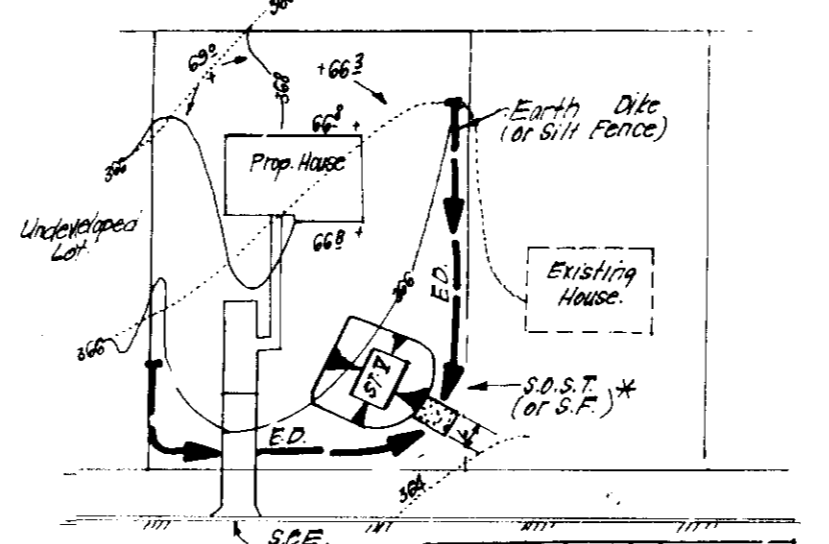
**SILT FENCE DETAIL (S)**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS**

- Trap shall be constructed in accordance with the design.
- Stone outlet shall be installed in accordance with the design.
- Filter cloth shall be installed in accordance with the design.
- Concrete shall be placed and finished in accordance with the design.
- Formwork shall be used to support the concrete until it has attained sufficient strength.
- Finishing shall be performed as needed and material removed when aggregates develop in Slit Fence.

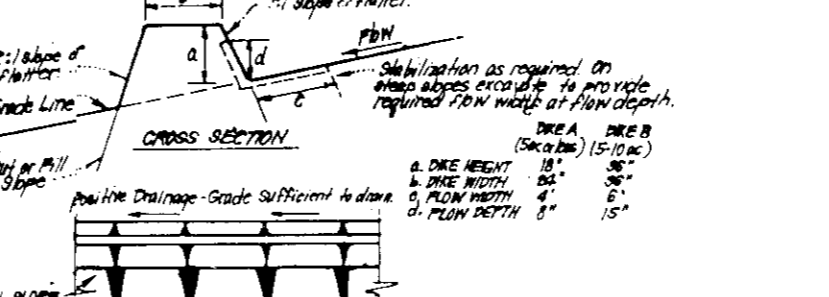
**STONE OUTLET SEDIMENT TRAP (SOST) STY.**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS**

- Site shall be stabilized in accordance with the design.
- Erosion control measures shall be installed in accordance with the design.
- Maintenance shall be provided after each rain.

**SINGLE LOT SEDIMENT CONTROL PLAN**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS**

- Dike shall be constructed in accordance with the design.
- Filter cloth shall be installed in accordance with the design.
- Stone outlet shall be installed in accordance with the design.
- Concrete shall be placed and finished in accordance with the design.
- Formwork shall be used to support the concrete until it has attained sufficient strength.
- Finishing shall be performed as needed and material removed when aggregates develop in Slit Fence.

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

**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, 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 (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 2 1/8 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3/4 gallon 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 15 thru November 15, seed with 25 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 1 lb 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 1/8 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 3/4 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.

**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permitting prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redisturbance, 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, 8) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 11, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 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) and (Sec. 52), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seedings do not allow for proper germination and establishment of grasses.
- 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.

**Site Analysis:**

Total Area of Site	2.942 Acres
Area Disturbed	2.82 Acres
Area to be roofed or paved	0.67 Acres
Area to be vegetatively stabilized	2.15 Acres
Total Cut	1773 Cu. yds
Total Fill	4628 Cu. yds
Offsite waste/borrow area location	N/A

- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DOW sediment control inspector.
- 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.
- If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below). N/A
- The total amount of straw bale dike/silt fence equals 220 L.F.

**CONSTRUCTION SEQUENCE**

	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B. Excavate for Foundations and Rough Grade & Temporarily Stabilize.	30
C. Construct Structures, Sidewalks and Driveways.	120
D. Final Grade and stabilize in accordance with Stds. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	7

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

*Jane M. [Signature]* 8/1/89  
COUNTY HEALTH OFFICER

**APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING**

*[Signature]* 8/18/89  
DIRECTOR

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

*[Signature]* 7/20/89  
DIRECTOR

*[Signature]* 7-28-89  
CHIEF BUREAU OF ENGINEERING

Reviewed for HOWARD S.C.D.

*[Signature]* 7/27/89

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE BOARD OF SUPERVISORS, HOWARD COUNTY, MARYLAND.

*[Signature]* 7/27/89  
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 in the Control of Sediment and Erosion before beginning the project. I also affirm to provide on-site inspection by the Howard Soil Conservation District or their authorized agents as deemed necessary.

*[Signature]* 6/8/89  
Signature of Developer/Builder Date

**ENGINEER'S CERTIFICATE**

I hereby certify that this plan for Erosion and Sediment Control represents a practicable and workable plan for erosion and sediment control on the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*[Signature]* 5-31-89  
G. Nelson Clark Date



**OWNER/DEVELOPER**

PEDICORD JOINT VENTURE  
90 LAND DESIGN AND DEVELOPMENT, INC.  
8307 Main Street  
Ellicott City, Md. 21043

**CLARK • FINEROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS

7135 MINISTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTO • (301) 621-8800

**DESIGNED: KIWM**

**DRAWN: BAL**

**CHECKED: KIWM**

**DATE: JUNE 1989**

**SCALE: 1" = 30'**

**DRAWING: 3 OF 3**

**JOB NO: 89-072**

**FILE NO: 89-072a**

**FOR: KNECHT ENTERPRISES, 1' 3230 Bethony Lane, Ellicott City, Md. 21043**

**S.D.P. 89-249**