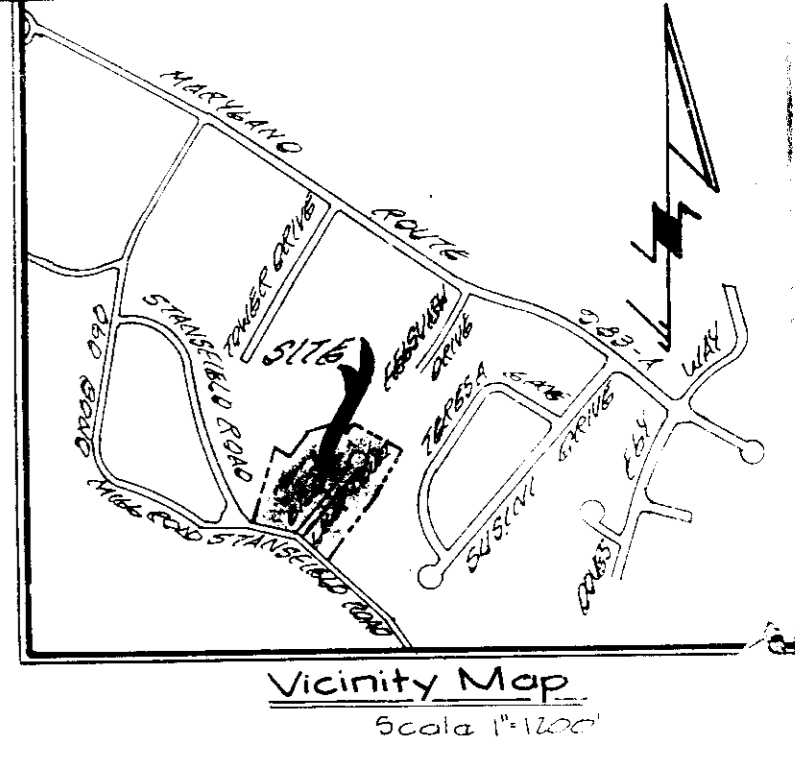


**General Notes**

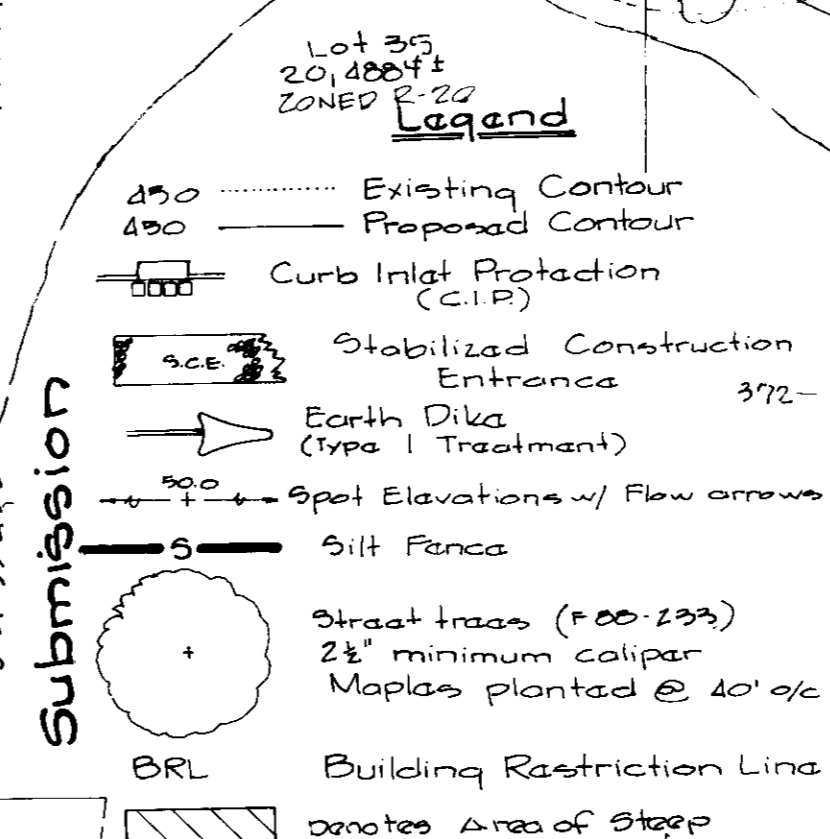
1. Subject property is located on Tax Map 46 Parcel 157
2. Plat reference: Plat # 8457-8451
3. Present Zoning: R-20
4. Minimum setbacks: Front: 40' Rear: 20' Sides: 10'
5. Typical House Dimensions, Schematic Profiles, Details, Sediment Control Notes and Specifications can be found on sheet 2 of 2.
6. Street trees will be provided under F-88-233
7. The contractor or developer shall contact the construction division 24 hrs. in advance of commencement of work @ 792-1230.
8. Site Analysis:
  - Total number of lots: 15
  - Total number of dwellings: 15
  - Total Area of lots: 3.8622
9. Proposed subdivision subject to plans:
  - F-88-233
  - P-88-02
  - S-85-13
10. GARAGES SHALL BE USED FOR PARKING PURPOSES ONLY IN ACCORDANCE WITH SECTION 121.5 (10) OF THE HOWARD COUNTY ZONING REGULATIONS.
11. STORMWATER MANAGEMENT IS PROVIDED UNDER F-85-157
12. SEE SHEET 2 FOR BUILDING COVERAGE CHART
13. There are no structures on lots 33, 34 & 35.

Lot #	Elevation	Address
20	304.77	10595 Stansfield Road
21	304.77	10545 Stansfield Road
22	322.69	10501 Bill Lilly Court
23	321.78	10505 Bill Lilly Court
24	315.79	10509 Bill Lilly Court
26	349.89	10517 Bill Lilly Court
27	345.42	10521 Bill Lilly Court
28	347.13	10525 Bill Lilly Court
29	348.01	10529 Bill Lilly Court
30	349.52	10533 Bill Lilly Court
32	348.99	10537 Bill Lilly Court
36	353.14	10541 Bill Lilly Court
37	342.49	10545 Bill Lilly Court
38	336.82	10549 Bill Lilly Court
39	326.27	10553 Bill Lilly Court



Drainage Area: 0.65 ac  
Volume Required: 84 cu. yds  
Volume Provided: 84 cu. yds  
Top Dimensions: 40' x 11'  
Bottom Dimensions: 24' x 11'  
Side Slopes: 3:1  
Depth: 2'  
Bottom Elevation: 307.00  
Water Crest Elevation: 311.00  
Cleanout Elevation: 308.5  
Water Crest: 1" Dimension: 2.0'

Drainage Area: 1.0 ac  
Volume Required: 120 cu. yds  
Volume Provided: 120 cu. yds  
Top Dimensions: 82' x 11'  
Bottom Dimensions: 14' x 11'  
Side Slopes: 3:1  
Depth: 2'  
Bottom Elevation: 321.00  
Water Crest Elevation: 325.00  
Cleanout Elevation: 322.50  
Water Crest: 1" Dimension: 1.0'



3-29-89

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLICOTT CITY, MARYLAND 21043  
(301) 461-2855

**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.

*Charles J. Fisher*  
SIGNATURE OF ENGINEER  
3/1/89  
DATE

**DEVELOPER'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 DEPARTMENT 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.

*Stephen J. Lilly*  
SIGNATURE OF DEVELOPER  
3/2/89  
DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*John J. ...*  
DATE: 4/27/89

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

*Stephen J. Lilly*  
DATE: 4/27/89

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING

*John J. ...*  
PLANNING DIRECTOR  
DATE: 5-18-89

*John J. ...*  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
DATE: 5/14/89

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

*John J. ...*  
HEALTH OFFICER  
DATE: 5-5-89

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

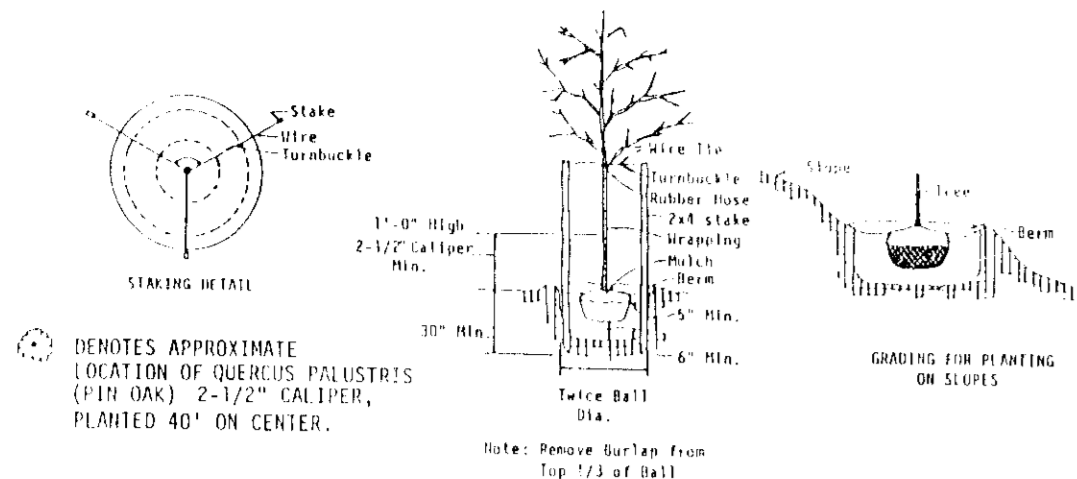
*James J. ...*  
DIRECTOR, PUBLIC WORKS  
DATE: 5/18/89

*James J. ...*  
CHIEF, BUREAU OF ENGINEERING  
DATE: 5-2-89

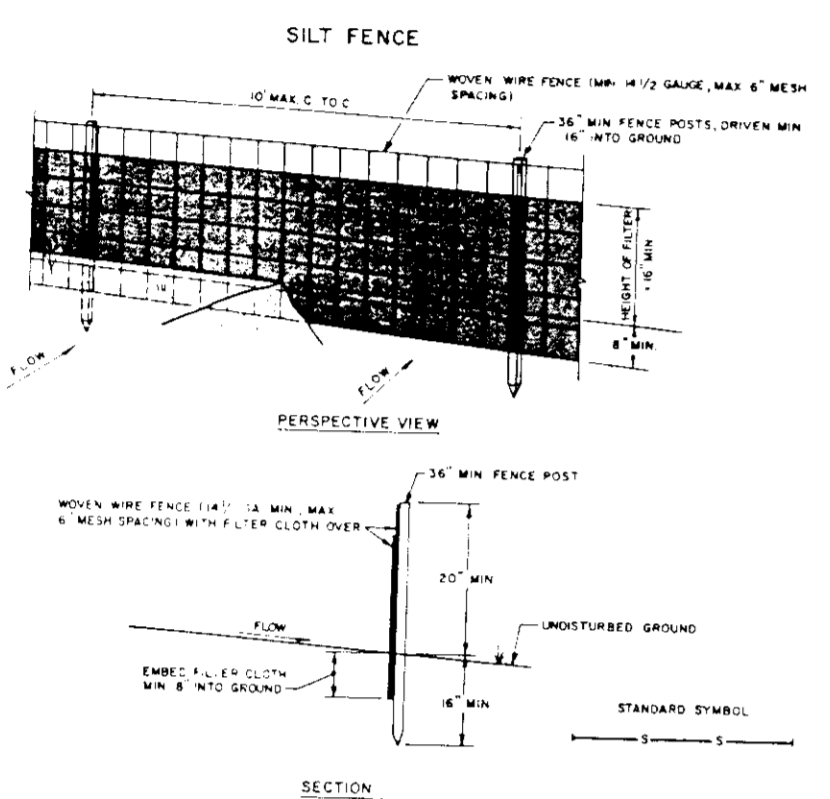
PROPERTY/SUBDIVISION	SECTION/AREA	PARCEL/LOT NO.
Lilly's Addition to Lakaview	three	Parcel 157
PLAT NO./L.F.	BLOCK NO.	TAX/ZONE
8450 & 8451	15	R-20
WATER CODE	ELEC. DIST.	CENSUS TR.
E 19	6002	60002
SEWER CODE	7450000	

Site Development Plan  
Lilly's Addition to Lakaview  
Section 3  
Lots 20-24  
26-32 and 36-39  
Tax Map 46 Parcel 157  
6th Election District  
Howard County, Maryland  
February 28, 1989  
Scale: 1" = 30'  
Sheet 1 of 2  
SOP 89-173





NOTE: CONTRACTOR SHALL VERIFY LOCATION OF SUBMERGED IDENTIFIERS PRIOR TO INSTALLING FINAL LOCATIONS OF IDENTIFIERS. IDENTIFIERS SHALL BE PLACED IN ACCORDANCE WITH THE FOLLOWING CONDITIONS: PLANNING DIRECTOR'S SIGNATURE AND DATE SHALL BE OBTAINED PRIOR TO INSTALLING IDENTIFIERS. IDENTIFIERS SHALL BE PLACED IN ACCORDANCE WITH THE FOLLOWING CONDITIONS: PLANNING DIRECTOR'S SIGNATURE AND DATE SHALL BE OBTAINED PRIOR TO INSTALLING IDENTIFIERS.



1. WHEN WIRE FENCE IS BEING INSTALLED, SECURE TO FENCE POSTS WITH WIRE TIE OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WIRE WITH TIE OR STAPLES EVERY 2' AT TOP AND 4' IN SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ARE JOINED TOGETHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND TIED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED. MATERIAL REMOVED MUST BE DEPOSITED IN THE SILT FENCE.

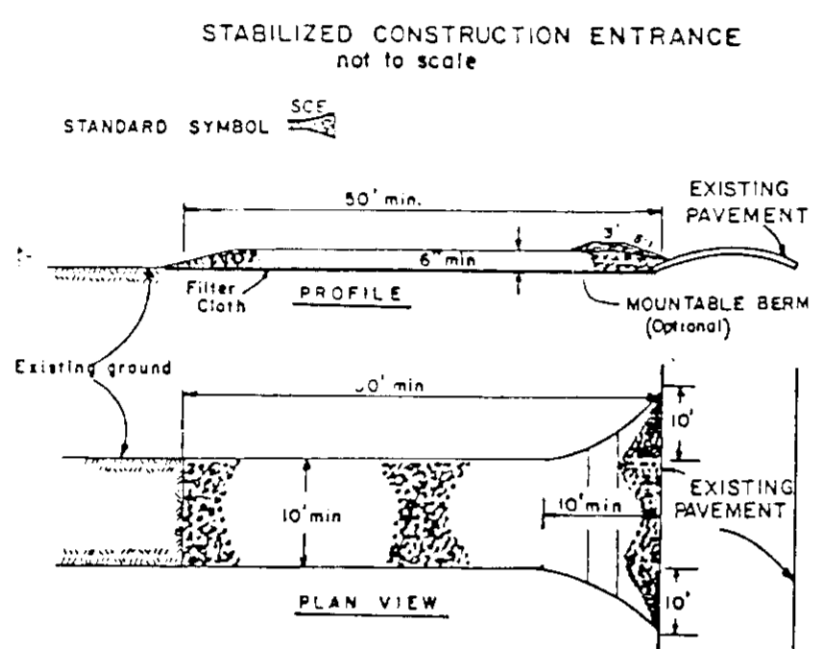
**PERMANENT SEEDING NOTES:**  
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

**SEEDING PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING OPTIONS:

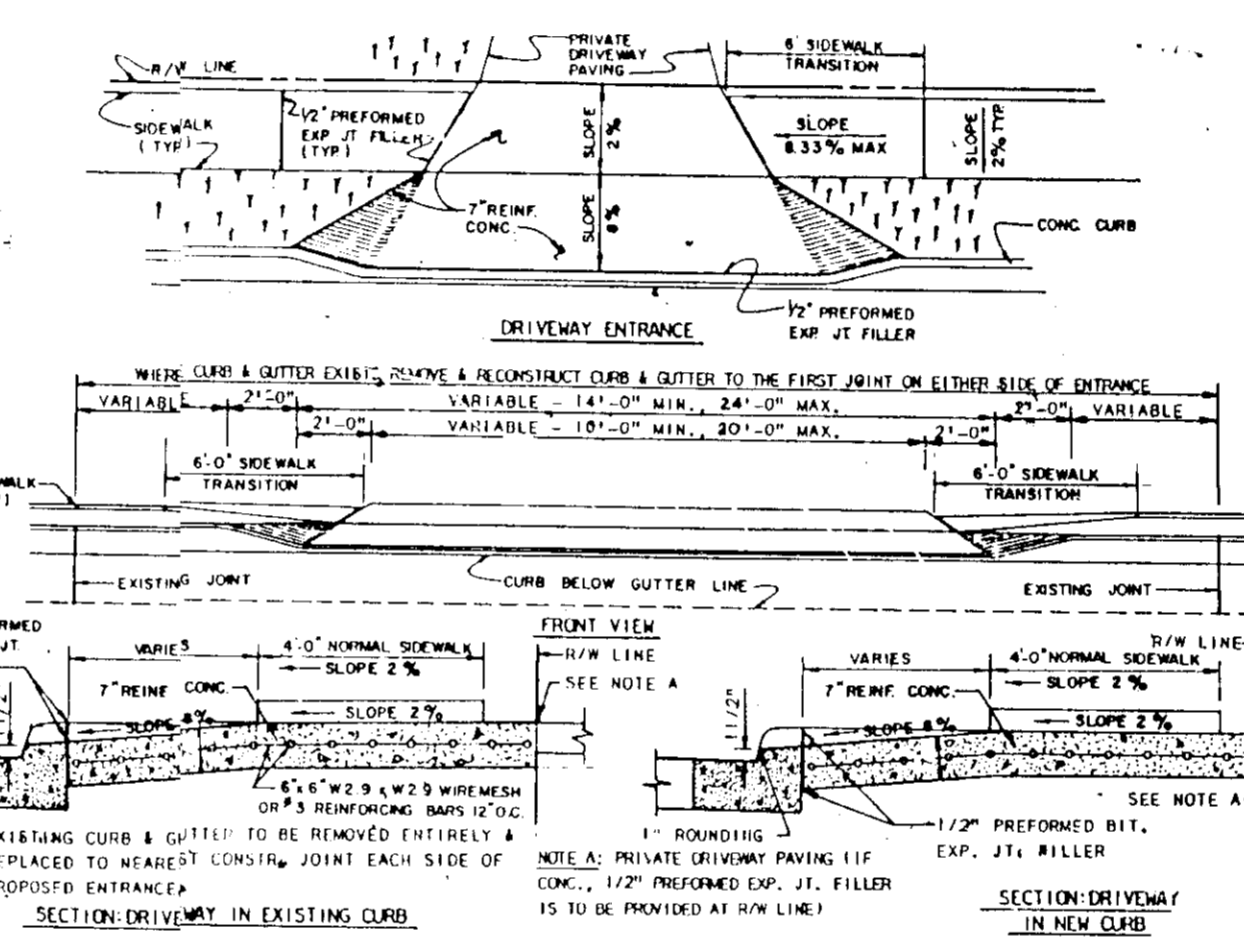
- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING.
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

**SEEDING:** FOR 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 FESCUE AND MULCH WITH 2 TONS/ACRE WILL ANCHORED STRAW.

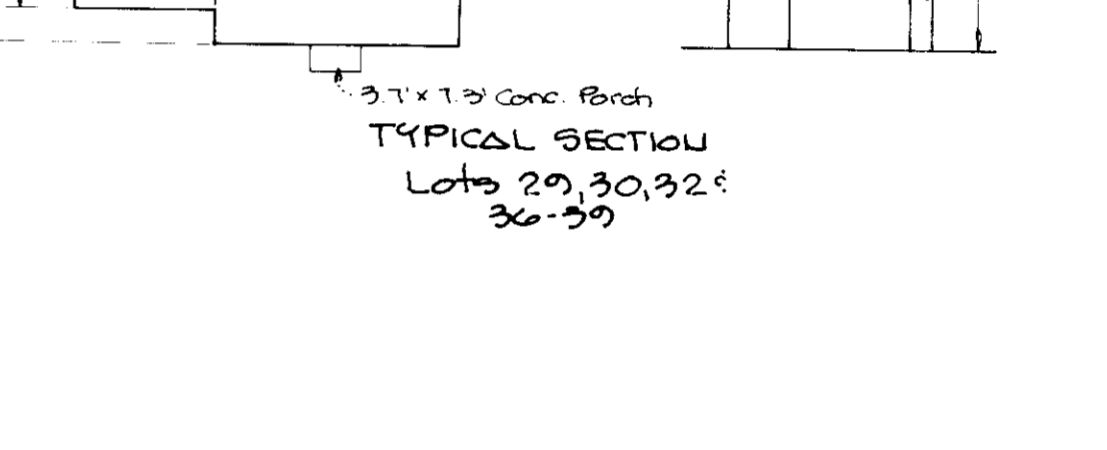
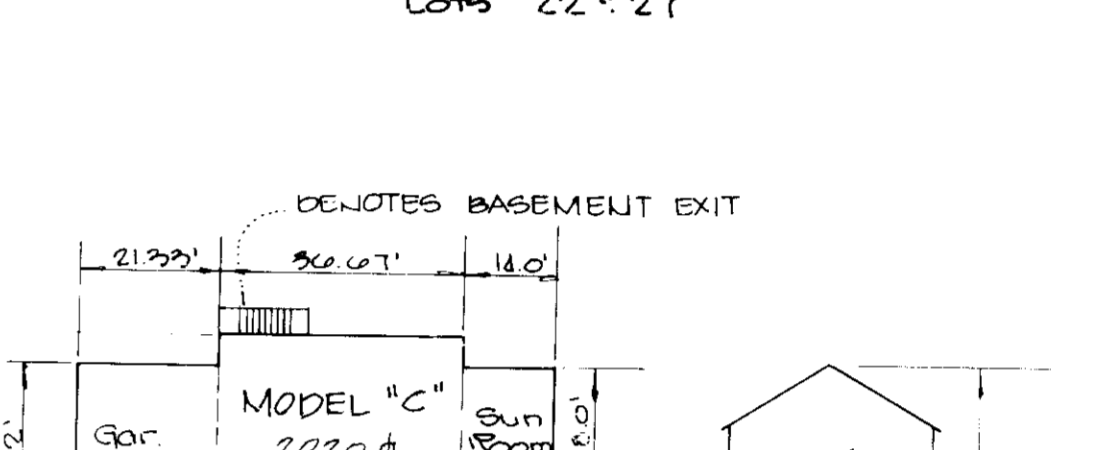
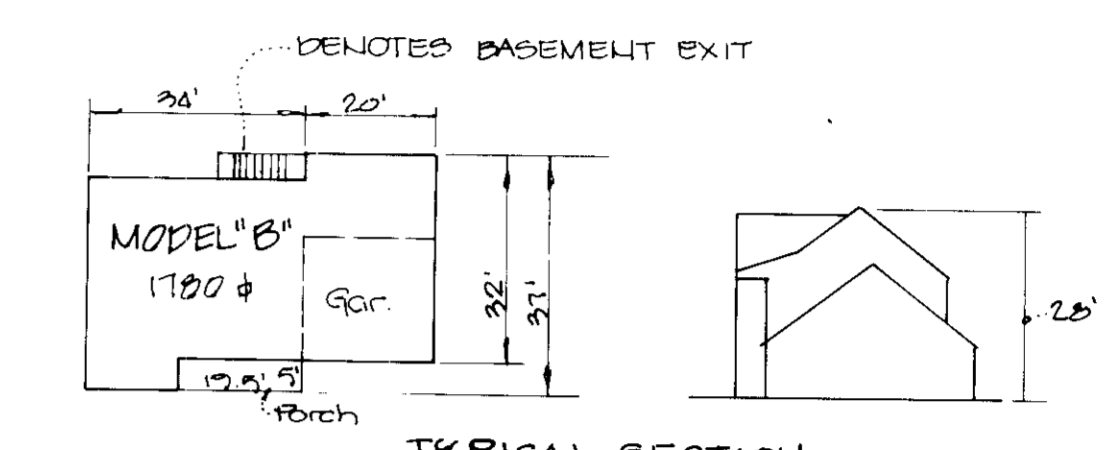
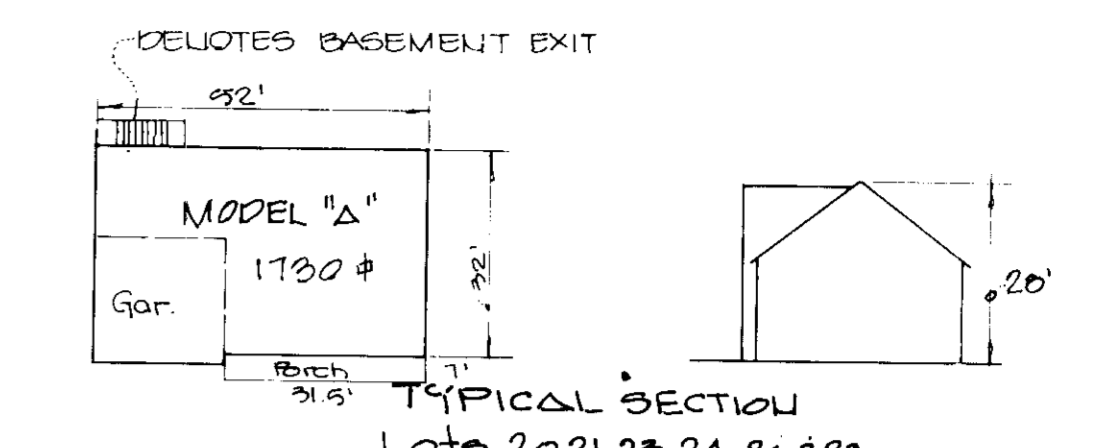
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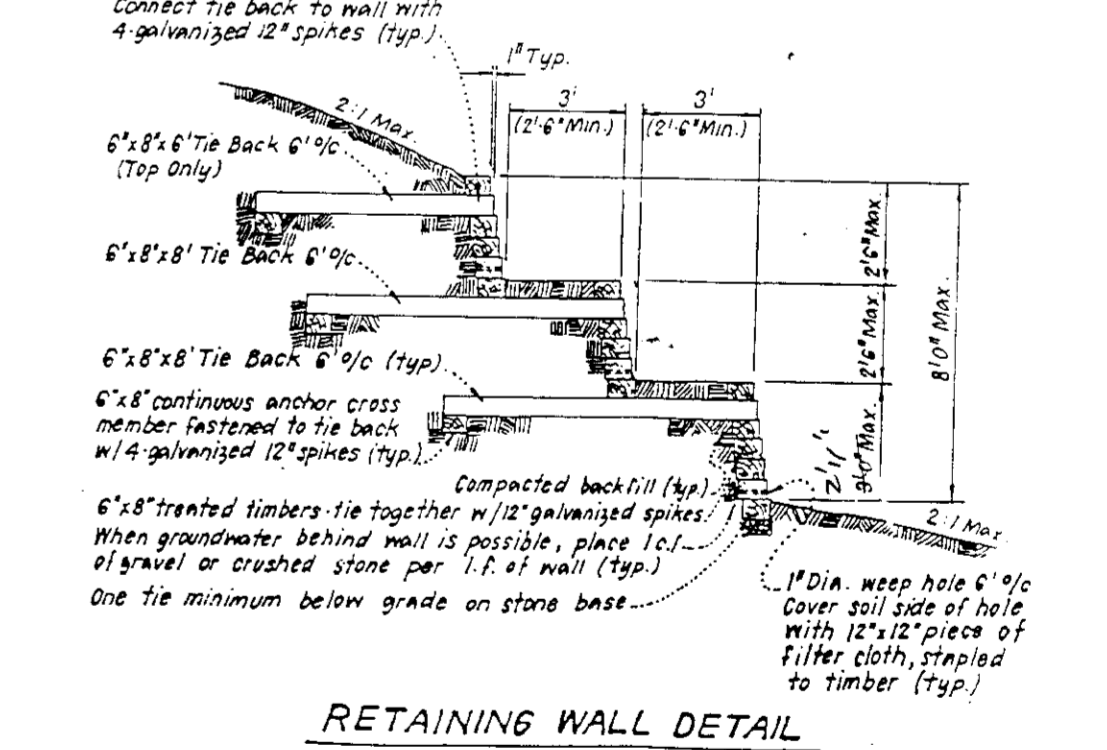
1. Stone Size - Use 2" stone, or recycled or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residential lot where a 20 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at 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 through construction entrance shall be piped across the entrance. If piping is impractical, a mounded berm with 3:1 slope will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any seepage used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.
8. 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.
9. Periodic inspection and needed maintenance shall be provided after each rain.



SECTION DRIVWAY IN EXISTING CURB  
 SECTION DRIVWAY IN NEW CURB



1. Timbers shall be either:  
 a) Crotone treated railroad ties  
 b) DCA treated landscaping timbers (40 %/6" retention)
2. Hardware shall be hot dipped galvanized.
3. Washholes with or without gravel drain are minimum measures for groundwater. For any substantial amount of groundwater, a drain system should be designed and utilized.
4. Design shall be verified for site specific soil condition by a Professional Geotechnical Engineer.



RETAINING WALL DETAIL

LOT #	HOUSE #	LOT #	% OF COVERAGE
20	1730 #	14,393 #	12 %
21	1730 #	14,493 #	12 %
22	1730 #	14,094 #	13 %
23	1730 #	14,209 #	12 %
24	1730 #	18,382 #	7 %
26	1730 #	14,000 #	12 %
27	1730 #	14,000 #	13 %
28	1730 #	14,214 #	13 %
29	2020 #	16,441 #	12 %
30	2020 #	19,700 #	13 %
31		OPEN SPACE	
32	2020 #	18,891 #	11 %
36	2020 #	14,092 #	14 %
37	2020 #	14,092 #	14 %
38	2020 #	14,092 #	14 %
39	2020 #	14,001 #	14 %

- CONSTRUCTION SEQUENCE:**
1. OBTAIN GRADING PERMIT.
  2. INSTALL EROSION AND SEDIMENT CONTROL DEVICES.
  3. ROUGH GRADE SITE.
  4. BEGIN BUILDING CONSTRUCTION.
  5. INSTALL WATER AND SEWER HOUSE CONNECTIONS.
  6. COMPLETE BUILDING CONSTRUCTION.
  7. STABILIZE SITE PER PERMANENT SEEDING PROCEDURES.
  8. PAVE DRIVEWAYS.
  9. REMOVE EROSION AND SEDIMENT CONTROL DEVICES AND STABILIZE THOSE AREAS PER PERMANENT SEEDING PROCEDURES.

FISHER, COLLINS & CARTER, INC.  
 CIVIL ENGINEERS & LAND SURVEYORS  
 8388 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-2855

**ENGINEER'S CERTIFICATE**  
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Signature: *Charles J. Fisher*  
 Date: 3/1/89

**DEVELOPER'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 DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Signature: *John E. Lilly*  
 Date: 3/2/89

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 Signature: *John E. Lilly*  
 Date: 4/27/89

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED: *Stephen L. Smith*  
 DATE: 4/24/89

APPROVED: OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: *Mark J. ...*  
 DATE: 5-2-89

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
 HEALTH OFFICER: *John ...*  
 DATE: 5-5-89

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
 DIRECTOR, PUBLIC WORKS: *William E. ...*  
 DATE: 5-2-89

PROPERTY/SUBDIVISION: Lilly's Addition to Lakeview  
 SECTION/AREA: Three  
 PARCEL/LOT NO: 20-21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 36, 37, 38, 39

Site Development Plan  
 Lilly's Addition to Lakeview  
 Section 3  
 Lots 20-24  
 26-32 and 36-39  
 Tax Map 26  
 Parcel 157  
 6th Election District  
 Howard County, Maryland  
 February 28, 1989

Sheet 2 of 2  
 SDF 201-173