

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 vegetation 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.
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 must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 21 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. 50) and sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding rates 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 0.596 Acres
Area Disturbed 0.561 Acres
Area to be roofed or paved 0.148 Acres
Area to be vegetatively stabilized 0.213 Acres
Total Cut 480 Cu. yds
Total Fill 840 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 DPW 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 random, 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 525 L.F.

CONSTRUCTION SEQUENCE:

- A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.
B. Excavate for Foundations and Rough Grade.
C. Construct Structures, Sidewalks and Driveways.
D. Final Grade and stabilize in accordance with Stds. & Specs.
E. Upon approval of the sediment control inspector, remove sediment and erosion control and stabilize.

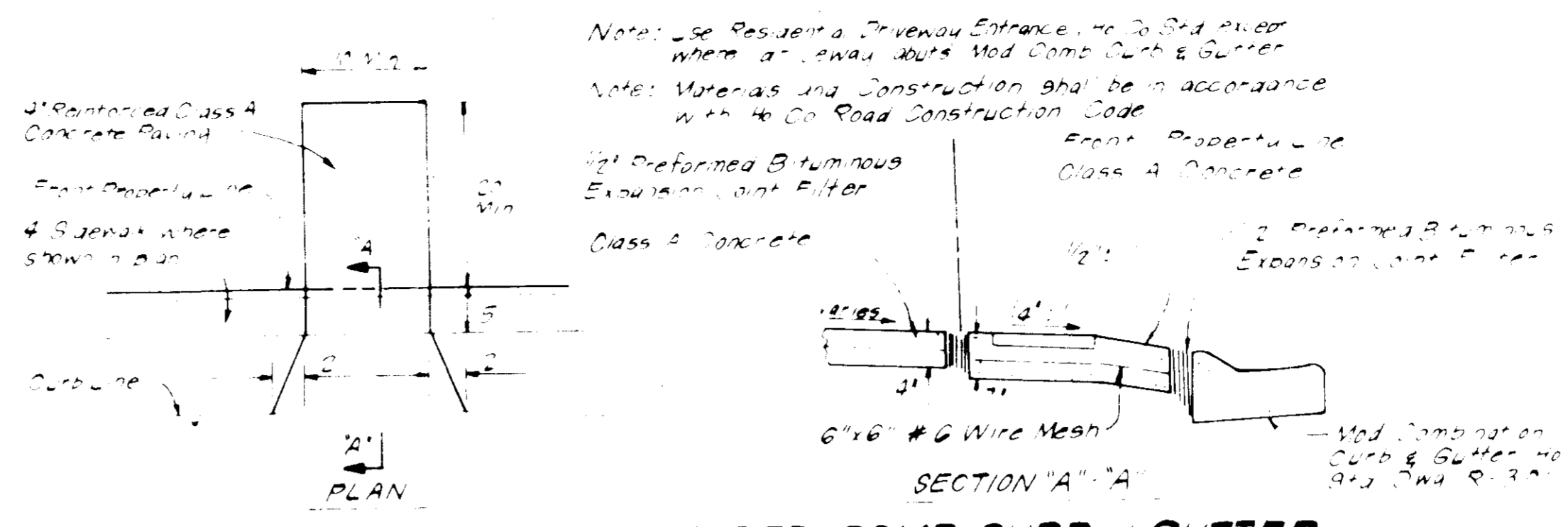
1 Day
5 Days
30 Days
5 Days
5 Days

PERMANENT SEEDING NOTES

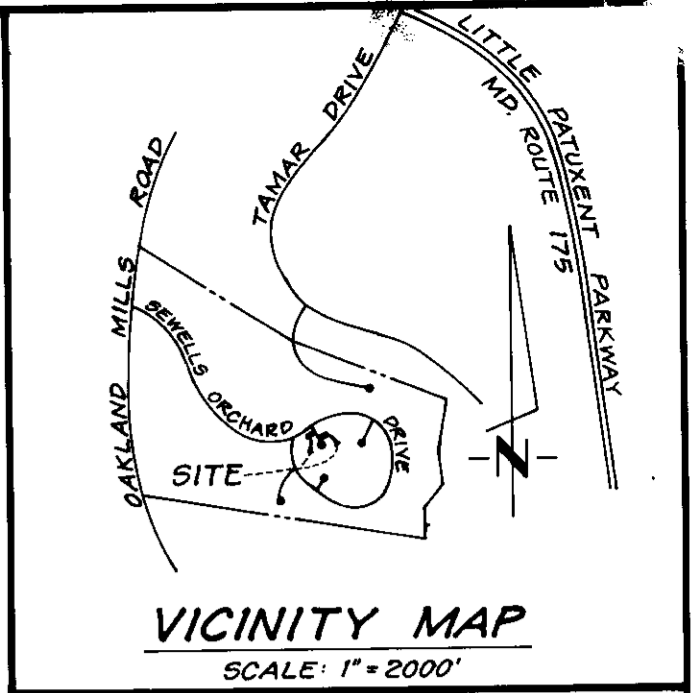
Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
Soil Amendments: In lieu of soil test recommendations, 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.

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 bushel 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 rotted 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 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.



DRIVEWAY ABUTTING MODIFIED CURB & GUTTER

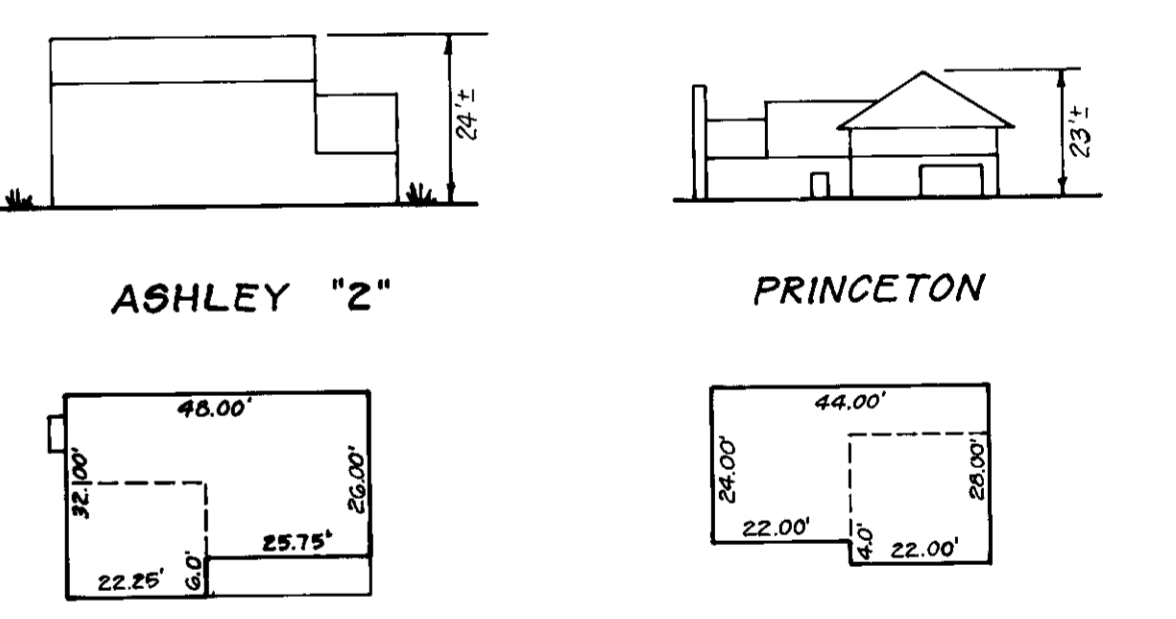


LEGEND

- 1. Contour Interval 2 Ft.
2. Existing Contour - - - - - 870
3. Proposed Contour - - - - - 370
4. Spot Elevation +70±
5. Direction of Drainage
6. Ex. Trees to be Retained
7. Walk-Out Basement
8. Straw Bale Dike/Silt Fence
9. Stab. Construction Entrance with Mountable Berm

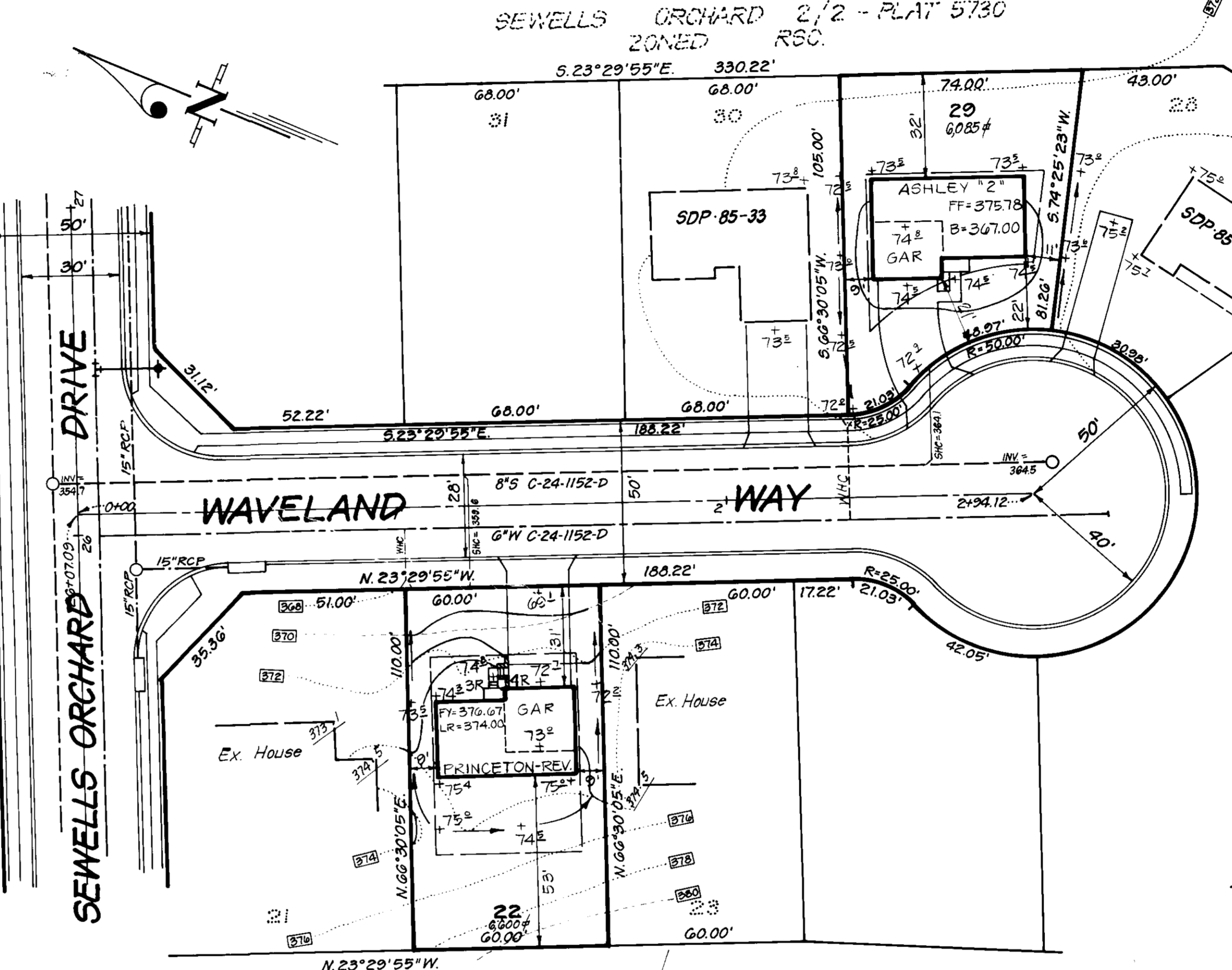
GENERAL NOTES

- 1. All coordinates are based on Howard County Control Station "Sewell".
2. The total area included in this plan is 0.596 Acres.
3. All roadways are public and existing.
4. Any damage to county owned rights of way shall be corrected at the developer's expense.
5. Total number of lots: 3
6. Storm Water Management provided for in central facility for Sewell's Orchard, Section 2, Area 2, F84-30.



HOUSE TYPES

Table with columns for Lot Number, Street Address, and details for Sewell's Orchard Drive lots 22, 29, and 226.



SEWELLS ORCHARD SECTION 2 AREA 2 PLAT 5728 ZONED RSC. DONALD R. SEWELL & WIFE 449 / 382

Reviewed for HOWARD COUNTY S.C.D. Name and meets Technical Requirements

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

DEVELOPER'S/BUILDER'S CERTIFICATE

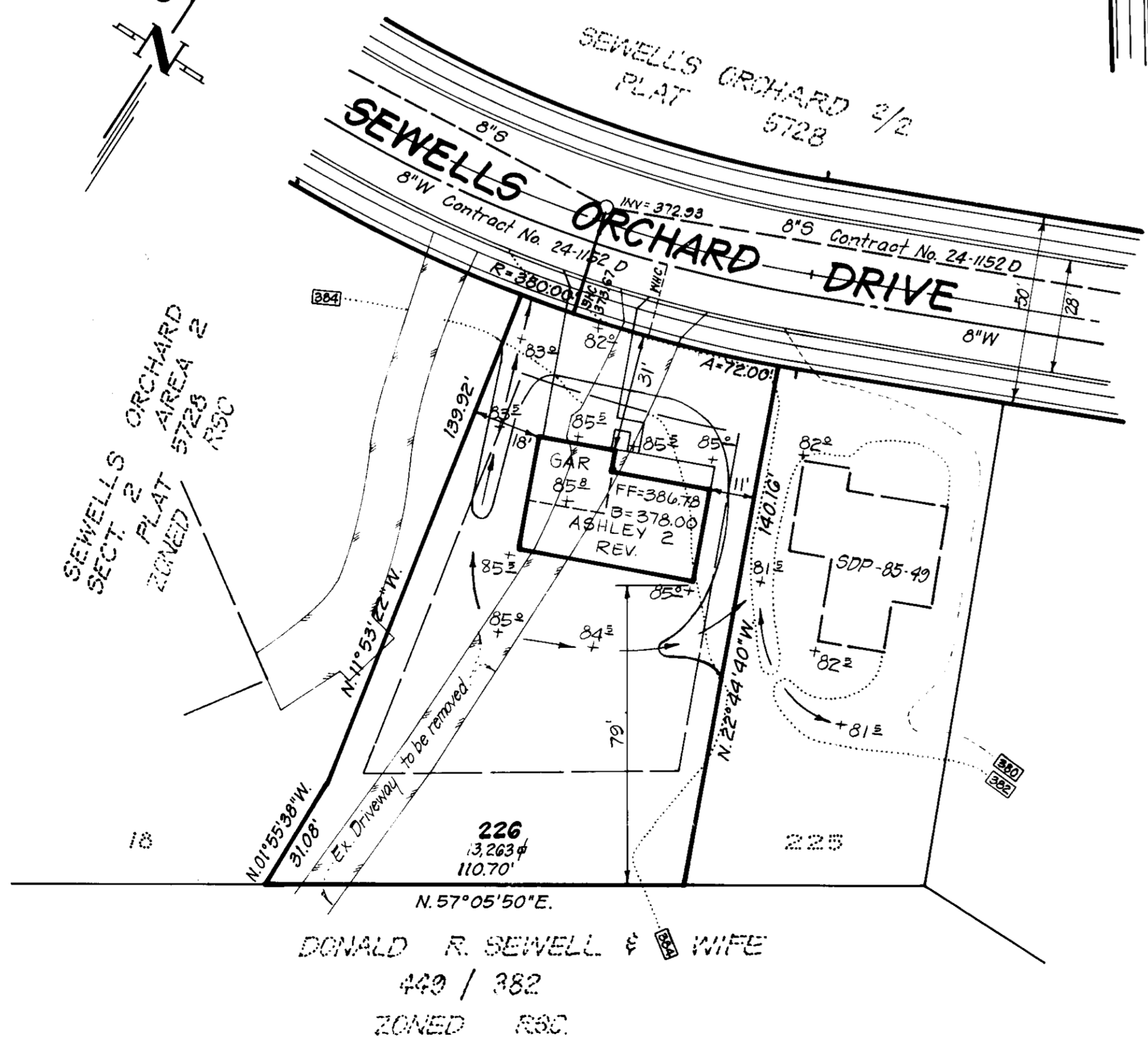
I/We certify that all development... will be done according to the approved... erosion and sediment control and that all...

ENGINEER'S CERTIFICATE

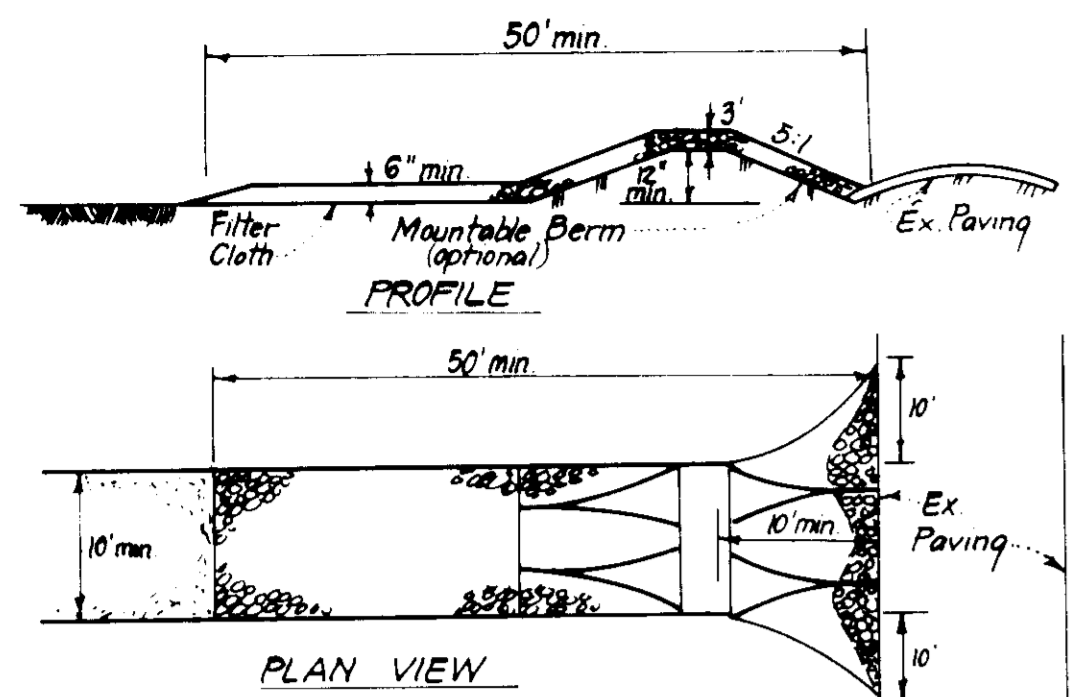
I hereby certify that this plan for Erosion and Sediment Control represents a... and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

6-24-85 M/HUM

Approval stamps from Howard County Health Department, Planning & Zoning, and Department of Public Works.



Professional Engineer seal and project information for Clark, Finefrock & Sackett, including site name and drawing details.

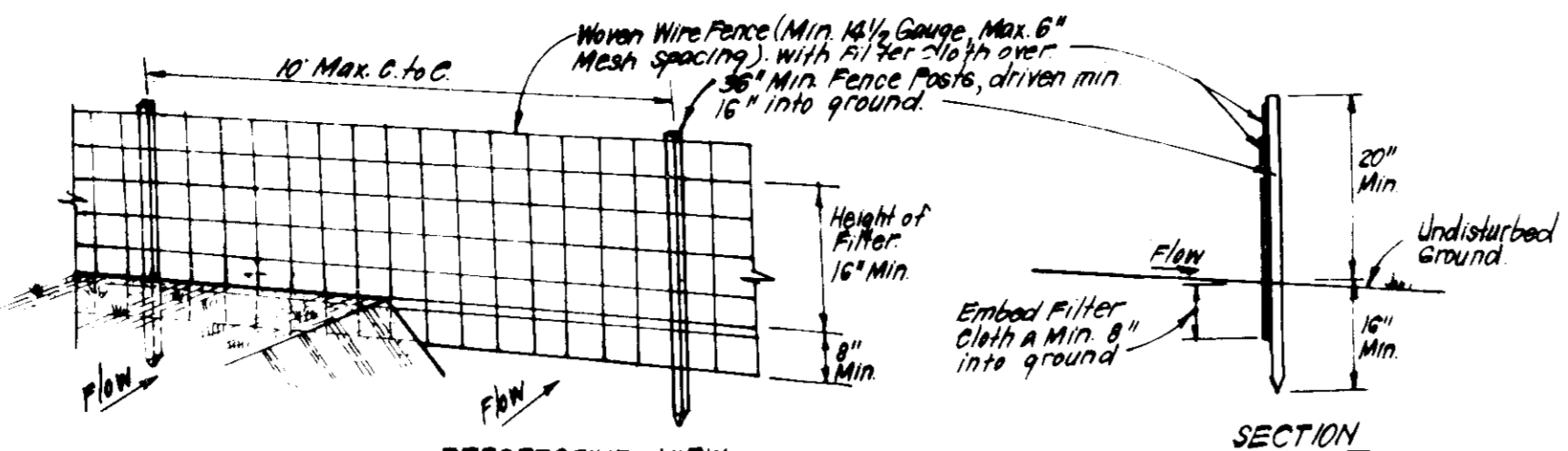


CONSTRUCTION SPECIFICATIONS:

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) 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 toward construction entrances shall be piped across the entrance. If piping is impractical, a mounding 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 onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout if any measures used to trap sediment. All sediment soiled, dropped, washed 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 run.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

NO SCALE



PERSPECTIVE VIEW

SECTION

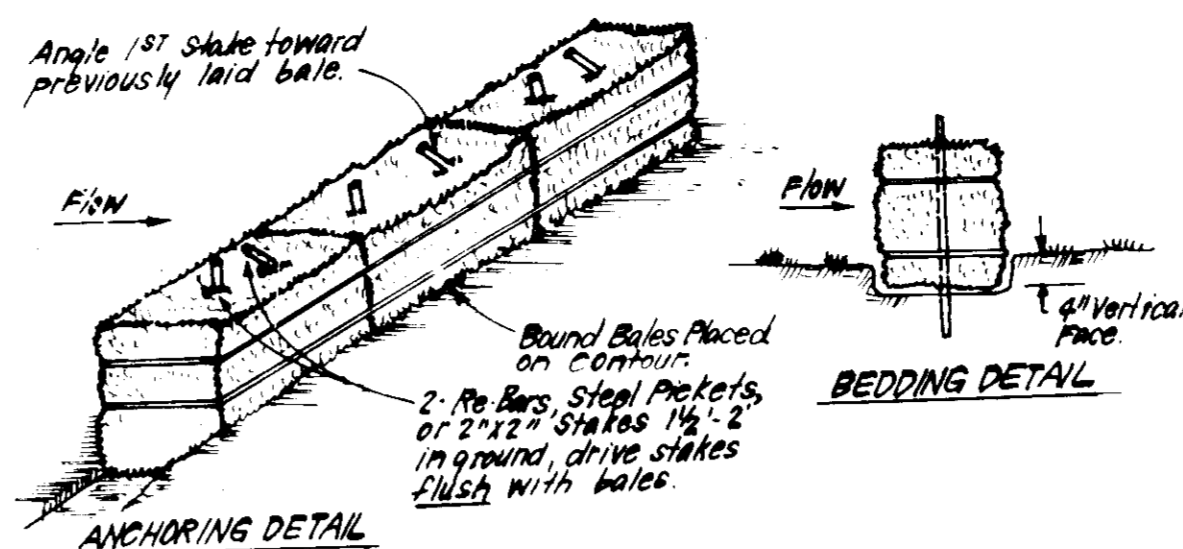
CONSTRUCTION SPECIFICATIONS:

1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in Silo Fence.

POSTS: Steel, either T or U Type or 2" Hardwood
 FENCE: Woven Wire, 1 1/2 Gauge, 6" Max. Mesh Opening
 FILTER CLOTH: Filter Cloth, 100% Stablinka, T140N or Appro. equal
 PREFABRICATED UNIT: Geo-bags, Envirofence, or Appro. equal

SILT FENCE DETAIL (S)

NO SCALE



ANCHORING DETAIL

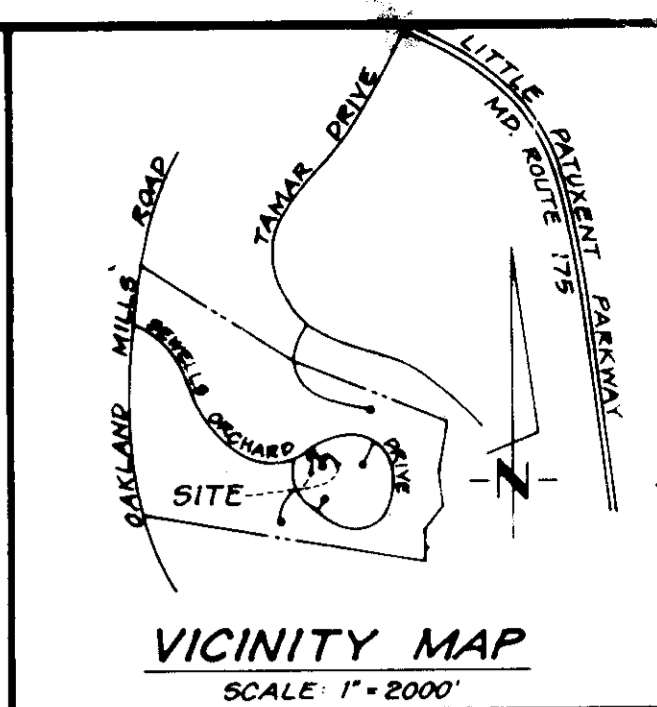
BEDDING DETAIL

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 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
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

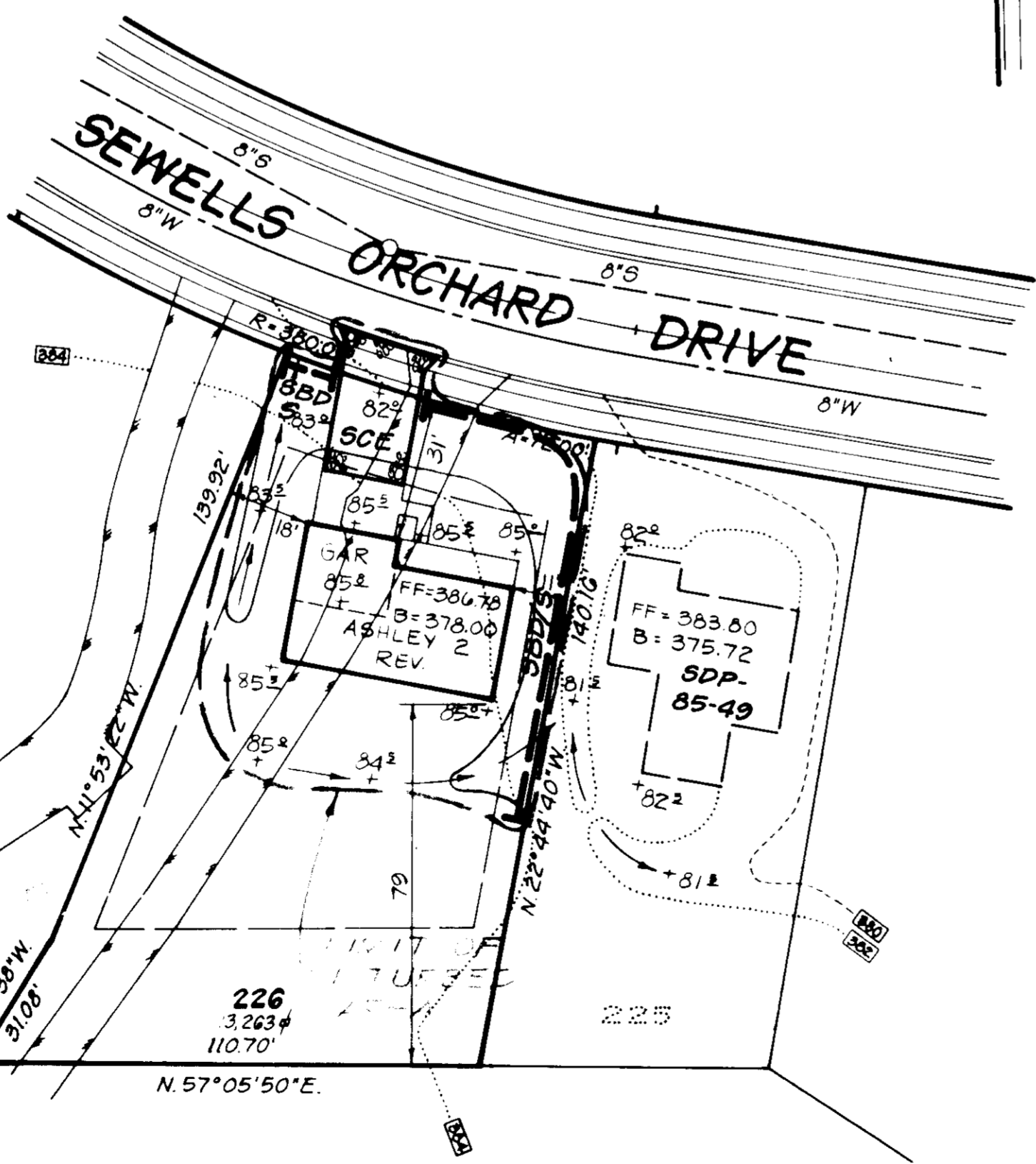
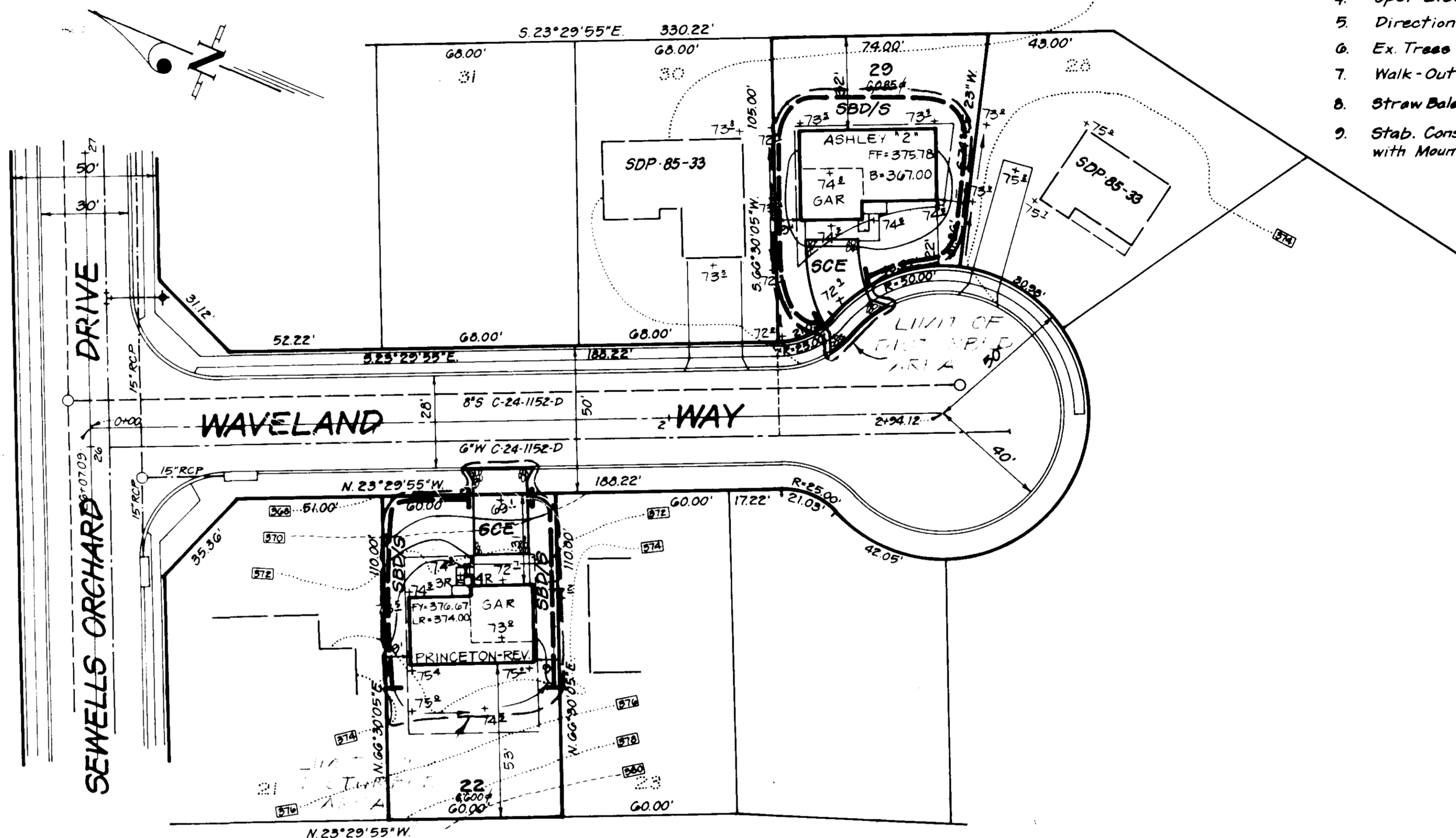


VICINITY MAP

SCALE 1" = 200'

LEGEND

1. Contour Interval 2 Ft.
2. Existing Contour
3. Proposed Contour 370
4. Spot Elevation +70±
5. Direction of Drainage
6. Ex. Traces to be Retained
7. Walk-Out Basement
8. Straw Bale Dike/Silt Fence
9. Stab. Construction Entrance with Mounding Berm



Reviewed for: **HOWARD** S.C.D.
 Name
 and meets Technical Requirements
 Date
 Service

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

Approved Date

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 6-24-85
 [Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] DATE 7/18/85
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] DATE 7-10-85
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE 7-3-85
 CHIEF BUREAU OF ENGINEERING [Signature]

DEVELOPER'S CERTIFICATE
 I hereby certify that the 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] DATE 5-31-85
 CHRISTOPHER STUBBS

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] DATE 5-30-85
 G. Nelson Clark, P.E.

SUBDIVISION NAME	SEWELLS ORCHARD	SECT./AREA	2 2E3	LOT/PARCEL #	22, 29 + 226
PLAT # or L/P BLOCK #	5723	ZONE	RSC	TAX/ZONE MAP	36
WATER CODE	E04	SEWER CODE	5553600	ELEC. DIST. OF USE	0th

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS		SCALE	1" = 30'
DESIGNED	JME	DRAWING	2 of 2
DRAWN	LAI	CHECKED	BAF
CHECKED	JME	DATE	May, 1985
FOR: ORRING DEVELOPMENT CORP.	8950 Route 108, Suite 114, Columbia, Maryland 21044	FILE NO.	85-059E

SDP-85-218