

**LEGEND**

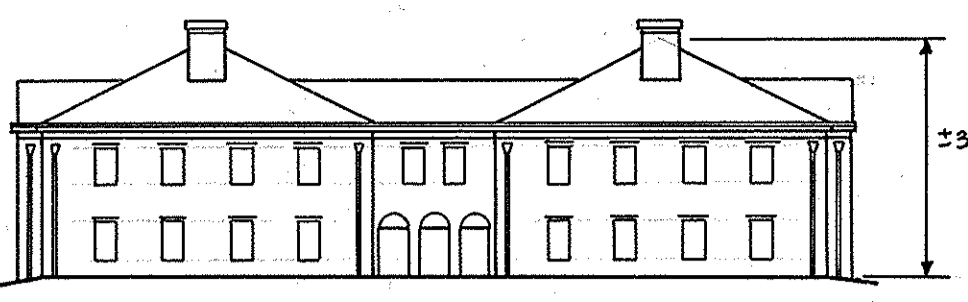
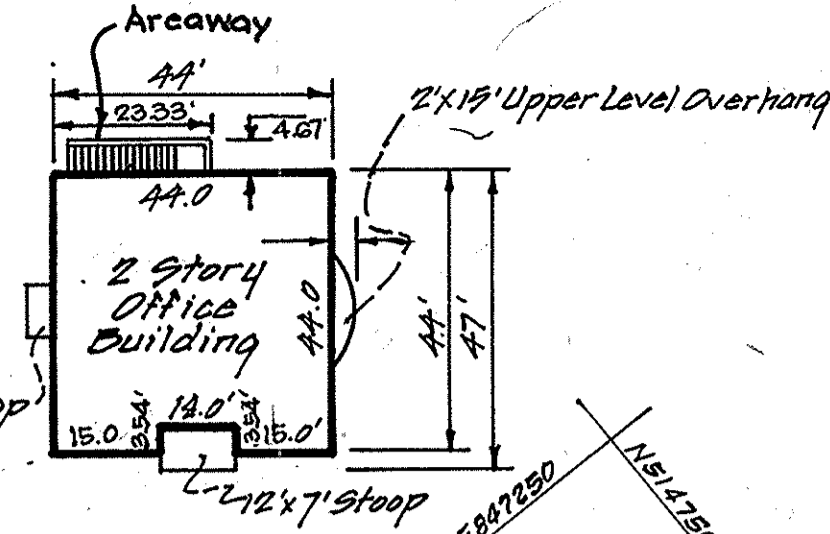
Contour Interval	2 ft.
Existing Contour	330
Proposed Contour	330
Spot Elevation	+30.5
Direction of Drainage	Ex. 42°20'P
Existing Storm Drain	15" RCP
Proposed Storm Drain	15" RCP
Existing Sewer	8" S
Existing Water	12" W
Grading By Others	338

Reviewed for HOWARD COUNTY S.C.D. Name and meets Technical Requirements 12-19-89 Signature Date U.S. Soil Conservation Service HIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT. Approved 12/19/89

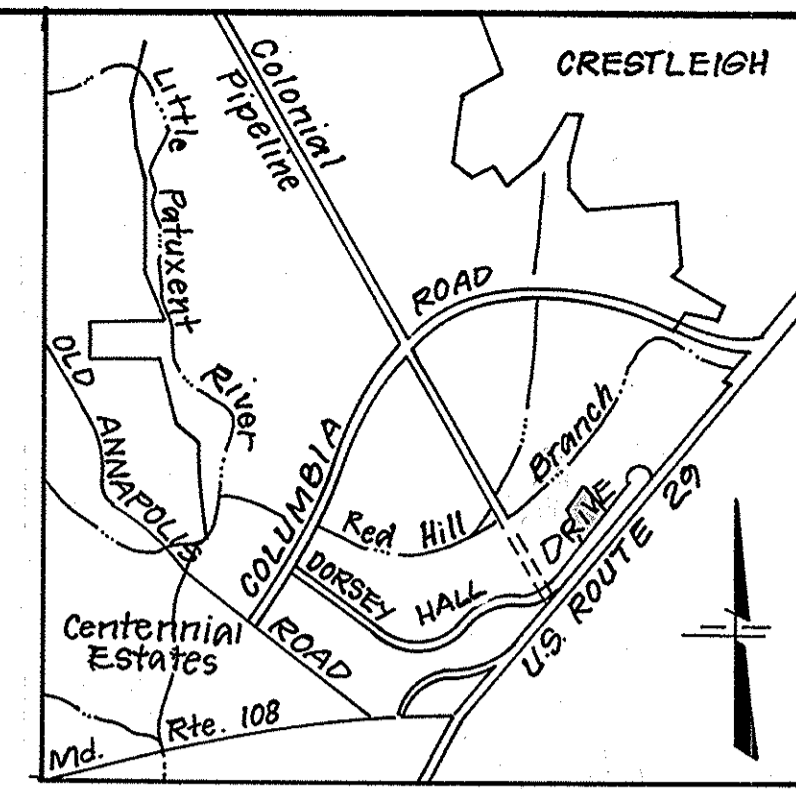
DORSEY HALL SECTION 2 AREA 5 PLAT 7855 OPEN SPACE LOT 4 ZONED P.O.R.

Note: Upon installation of the realigned 0" S.H.C., the existing 0" S.H.C. in the area of the proposed Building No. 2 shall be removed.

Ex. 100 Yr. Flood Plain, Drainage Sewer & Utility Easmt. Plat 7885 Connect S.H.C.'s to Ex. N.H. reform channel.



**BUILDING ELEVATION**  
Scale: 1" = 30'



**VICINITY MAP**  
SCALE: 1" = 2,000'

**SITE ANALYSIS:**

- Area of Parcel: 2.274 Acres or 99055 sq. ft.
- Zoning: (Planned) OFFICE RESEARCH
- Proposed Use of Structure: OFFICE & MEDICAL
- Floor Space: # 9900 DORSEY HALL DRIVE  
FIRST FLOOR: (OFFICE) 3046 SQ. FT. (MEDICAL) 3910 SQ. FT.  
SECOND FLOOR: (OFFICE) 6091 SQ. FT. (MEDICAL) 1,180 SQ. FT.  
THIRD FLOOR: (OFFICE) 4,480 SQ. FT.
- PARKING REQUIRED: 79 SPACES  
A) OFFICE USE: 1,180 SQ. FT. x 2.5 SPACES/1,000 SQ. FT. = 29.5 SPACES  
B) MEDICAL USE: 3,000 SQ. FT. x 5 SPACES/1,000 SQ. FT. = 15 SPACES  
C) TOTAL: 44.5 SPACES
- Open Space (Green Area) to remain on site: 1.1240 of 48,902 sq. ft. 2.3% of Net Area
- Building Coverage of site: 11,800 sq. ft. 12.11% of Grass
- Handicap Parking Spaces; Required: 4 Proposed: 5
- File Reference numbers: 9-78-20, P-84-27, P-86-26, F-85-16, F-85-56,
- PARKING PROVIDED: 80 SPACES
- Parking Lot Area: 38,070 sq. ft.
- Number of Employees in Office Use: NA
- Landscape Islands: 4280 sq. ft. or 11% of Parking Lot Area.

**ENVIRONMENTAL CONDITIONS**

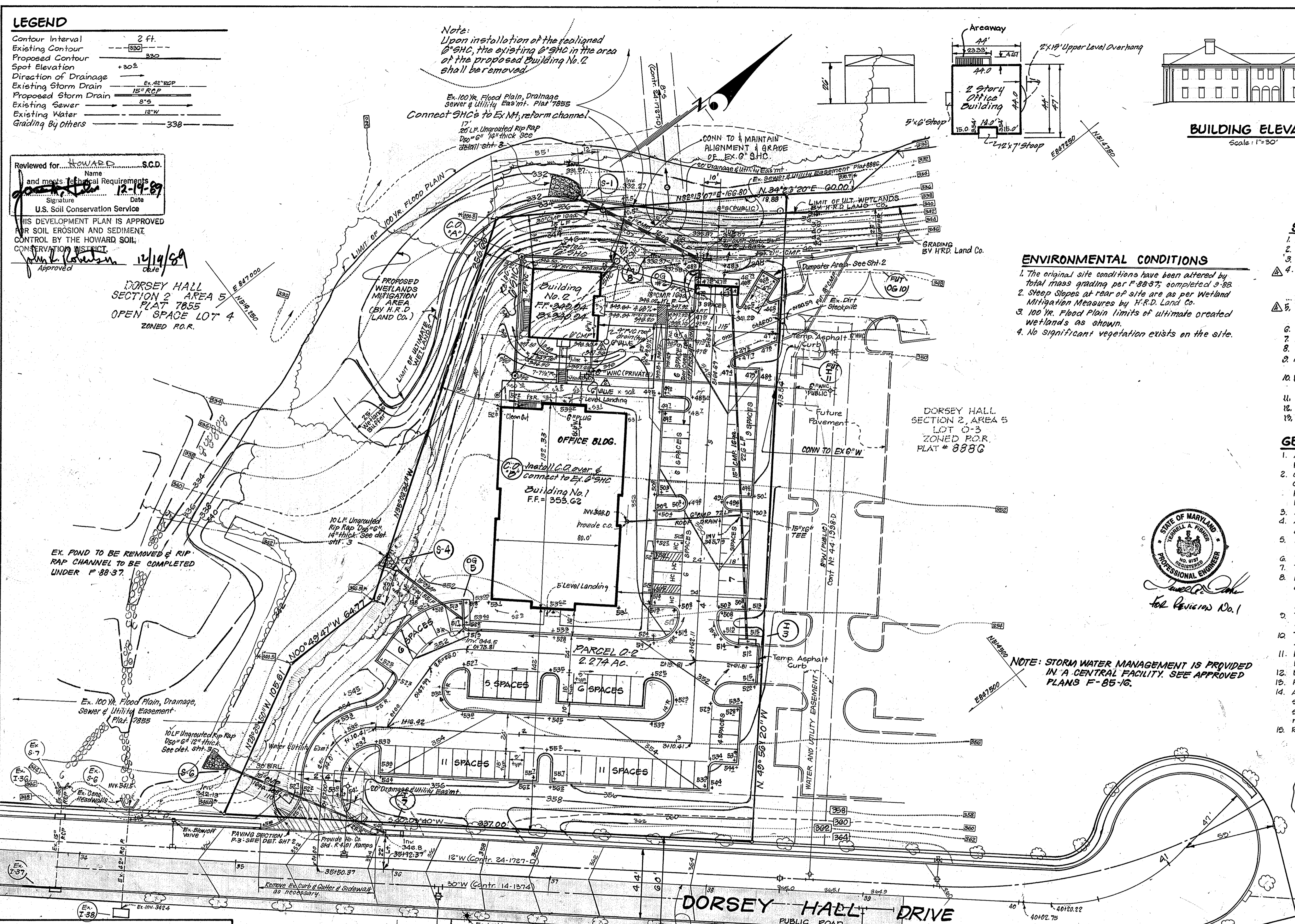
- The original site conditions have been altered by total mass grading per F-88-87; completed 8-82
- Slopes at rear of site are as per Wetland Mitigation Measures by H.R.D. Land Co.
- 100 Yr. Flood Plain limits of ultimate created wetlands as shown.
- No significant vegetation exists on the site.

**GENERAL NOTES:**

- All materials and construction to be in accordance with Howard County Road Construction Codes & Specifications.
- Coordinates shown are extensions made from Maryland State Plane Coordinate System. Bearings refer to True North and are based on Maryland Bureau of Control Surveys Point "Columbia Reset 1966" N 512055.04 E 846139.78
- All driveways are privately owned and maintained.
- Any damage to county owned rights of way to be corrected at the developer's expense.
- Installation of traffic control devices shall be in accordance with the latest edition of the "Manual of Uniform Traffic Control."
- Topography was compiled from actual field survey.
- The area shown is located on tax map No. 30.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location by digging test pits, by hand, at all crossings well in advance of construction.
- The contractor or developer shall contact the Construction Inspection Survey Division 24 hours in advance of work at 922-2417 or 792-7272.
- The developer agrees to work with the dept. of Licenses and Inspections to resolve any problem with roof water discharge.
- Handicap parking details shall be in accordance with the "Maryland Building Code for the Handicapped," Sect. 501-7.05 and detail sht. 2
- Dead references: L. 493, F. 602 & L. 506 F. 302.
- Notify all Utility companies 24 hours in advance of construction.
- All construction methods and materials for the on-site private W&S system shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Std. details and space where necessary.
- Refuse removal is private.

STATE OF MARYLAND  
JAMES M. SACKETT, JR.  
PROFESSIONAL ENGINEER  
FOR REVIEW No. 1

NOTE: STORM WATER MANAGEMENT IS PROVIDED IN A CENTRAL FACILITY. SEE APPROVED PLANS F-85-16.



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE 2-20-90  
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
DATE 3-19-90  
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 2-13-90  
DATE 3-8-90

APPROVED PLANNING BOARD OF HOWARD COUNTY  
DATE 11-22-89

U.S. ROUTE 29  
SHA PLAT #34992  
PUBLIC ROAD R/W

No.	Revision	Date
1	Revise plan to add Building No. 2, relocate existing 0" S.H.C. & grading around new building as necessary by FCC.	10-9-89
2	REMOVE ALIGNMENT OF EXISTING 0" S.H.C. & ADD TWO (2) 0" VALVES	9/7/90
3	Add Arcway to Bldg. No. 2, rev. Bldg. No. 2 dimensions by FCC	4-13-06
4	REMOVE FOR SITE USE AND PARKING MAINTENANCE	4/20/12

**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 of Developer/Builder: [Signature] 9-13-89 Date

STATE OF MARYLAND  
G. NELSON CLARK  
PROFESSIONAL ENGINEER  
9-1-89

**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.  
G. Nelson Clark 9-1-89 Date

For AS-BUILT by  
Clark, Finefrock & Sackett, Inc.  
5/11/92

ADDRESS CHART	
LOT NO.	STREET ADDRESS
Blk 1	5300 Dorsey Hall Drive
Blk 2	5904 Dorsey Hall Drive

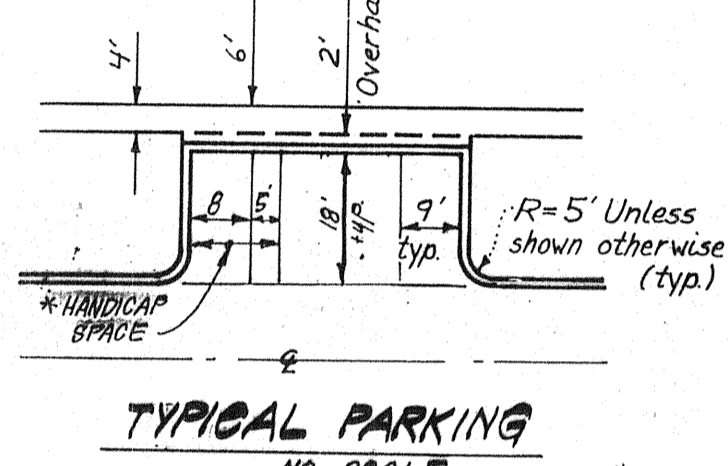
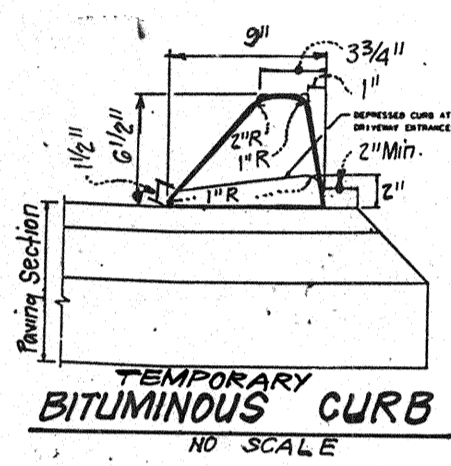
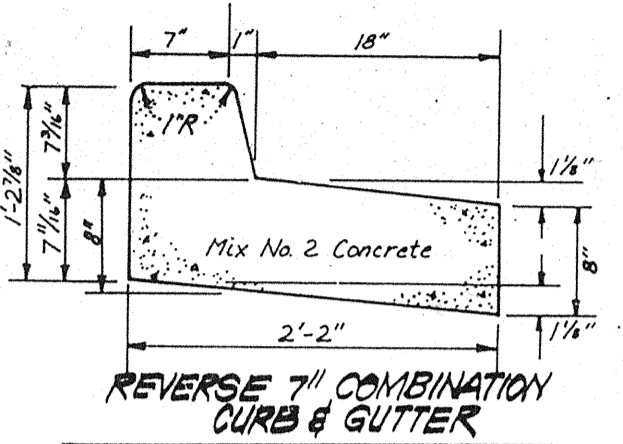
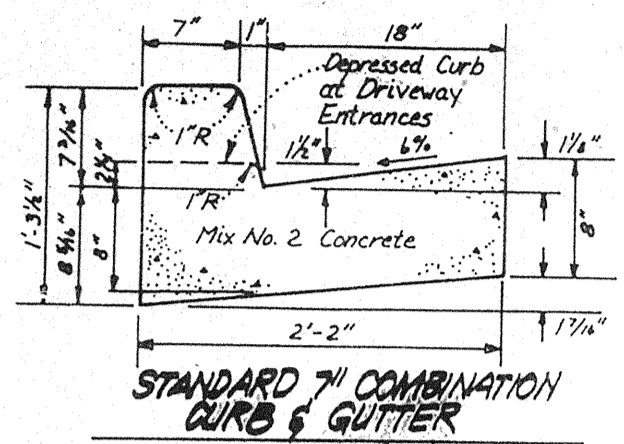
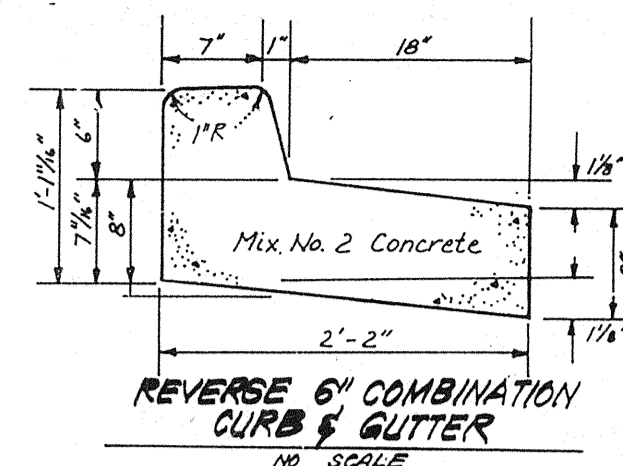
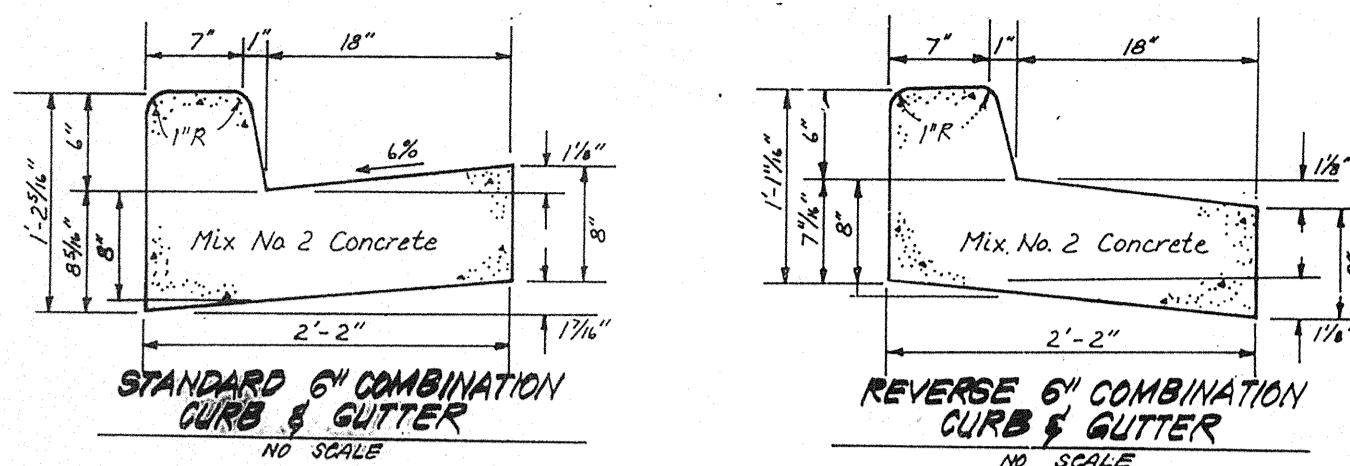
OWNER: DORSEY PLACE LIMITED PARTNERSHIP 6625 Selnick Drive Baltimore, Md. 21227	SUBDIVISION NAME: Dorsey Hall	SECT / AREA: 2/3	PARCEL: O-2
PLAT NO.: 8886	BLOCK NO.: 4	ZONE: FOR	TAX MAP LIB. NO.: 30
WATER CODE: F08	SEWER CODE: 5750000	ELEC. DIST. NO.: 240	CENSUS TR. NO.: 6023.01

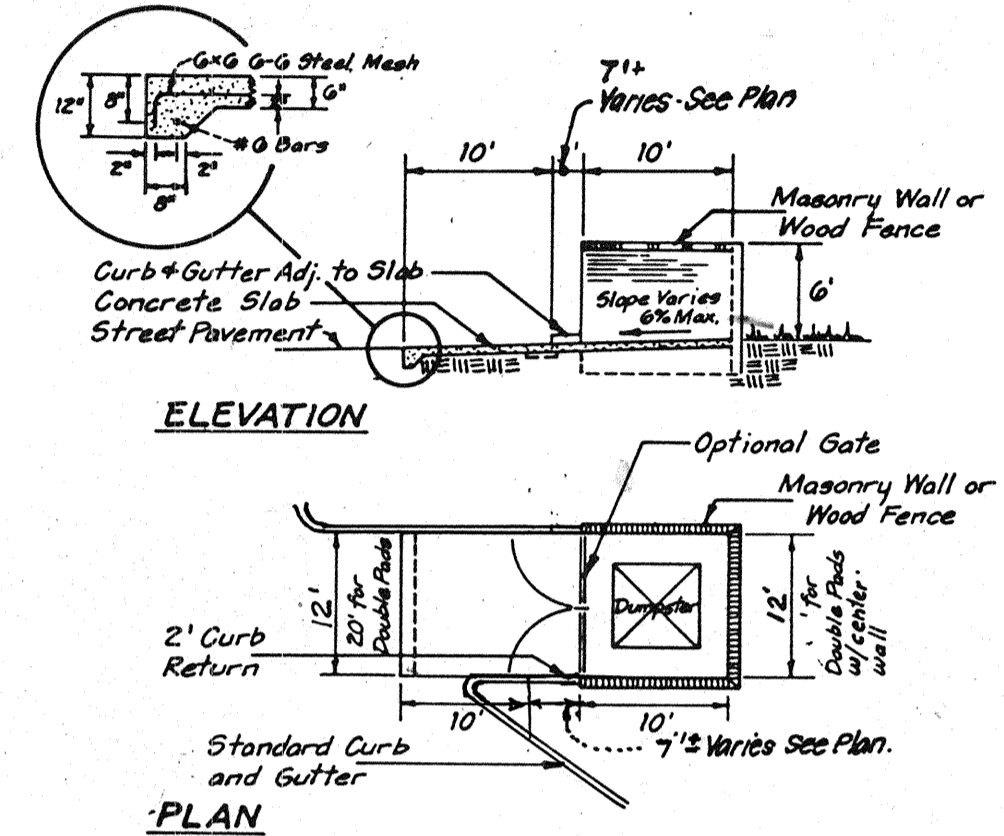
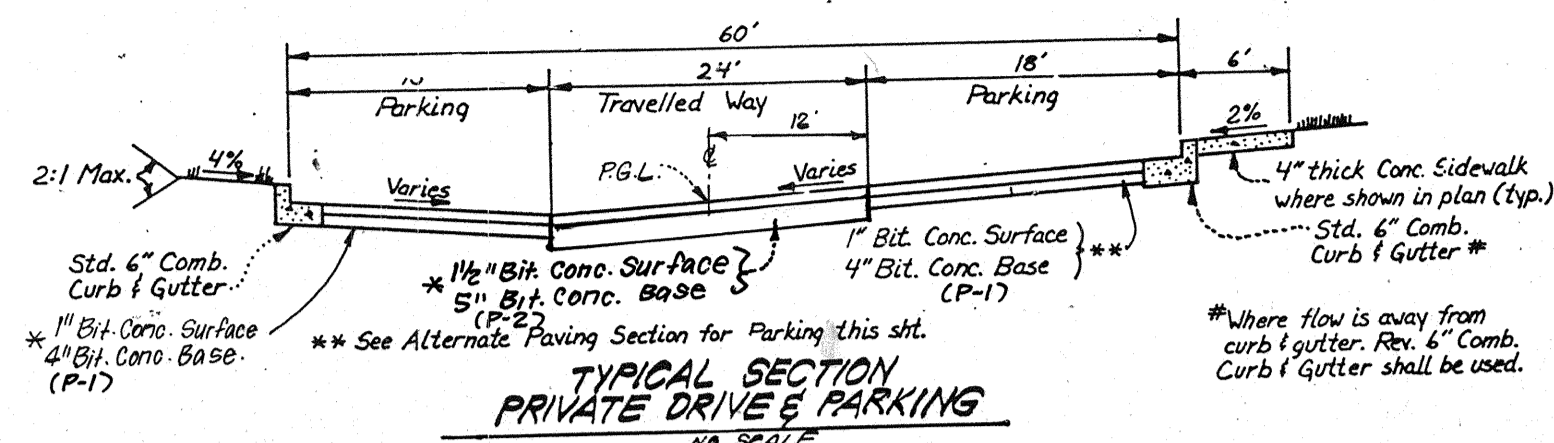
DESIGNED: RHM	SCALE: 1" = 30'
CHKD: KWM	DRAWN: GS
CHECKED: WHT	PER: KWM
DATE: Sept 1989	DATE: 9-1-89

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.	
SITE DEVELOPMENT PLAN OFFICE BUILDING PARCEL O-2 <b>DORSEY HALL</b> SECTION 2 AREA 5 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
FOR: Consolidated Home Builders, Inc. 6625 Selnick Drive Baltimore, Maryland, 21227	FILE NO.: 88-146 X

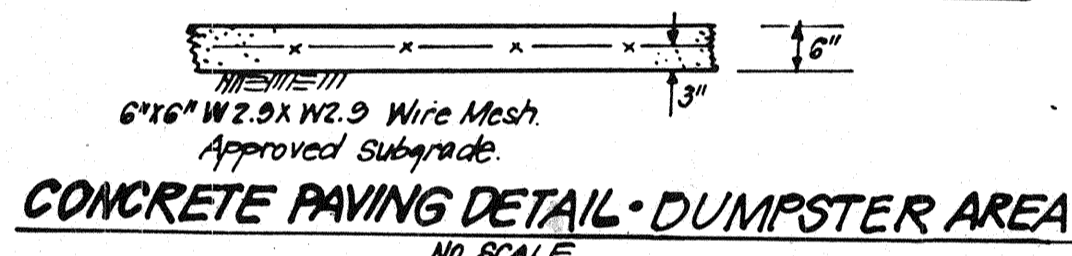


\* Two 8' Handicap Spaces may share One 5' Aisle

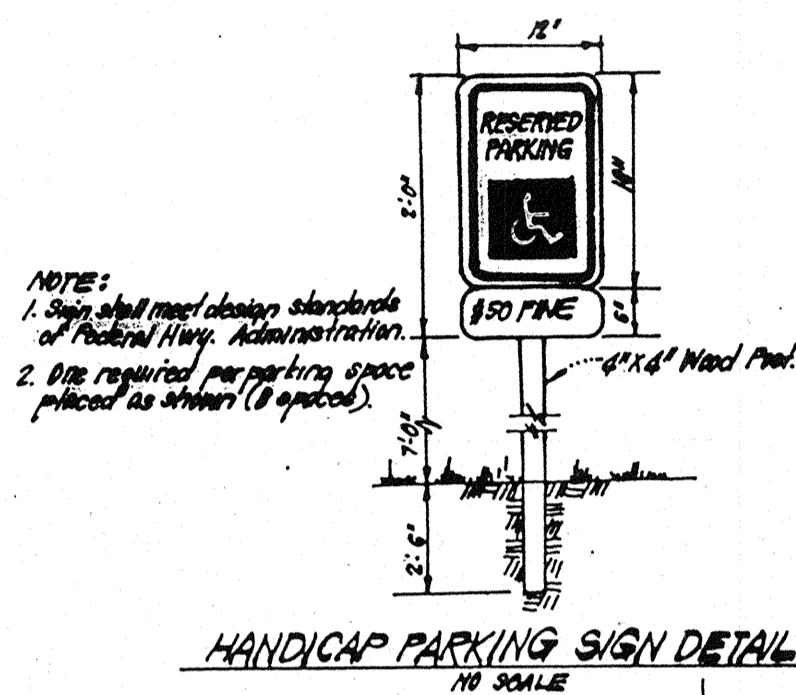
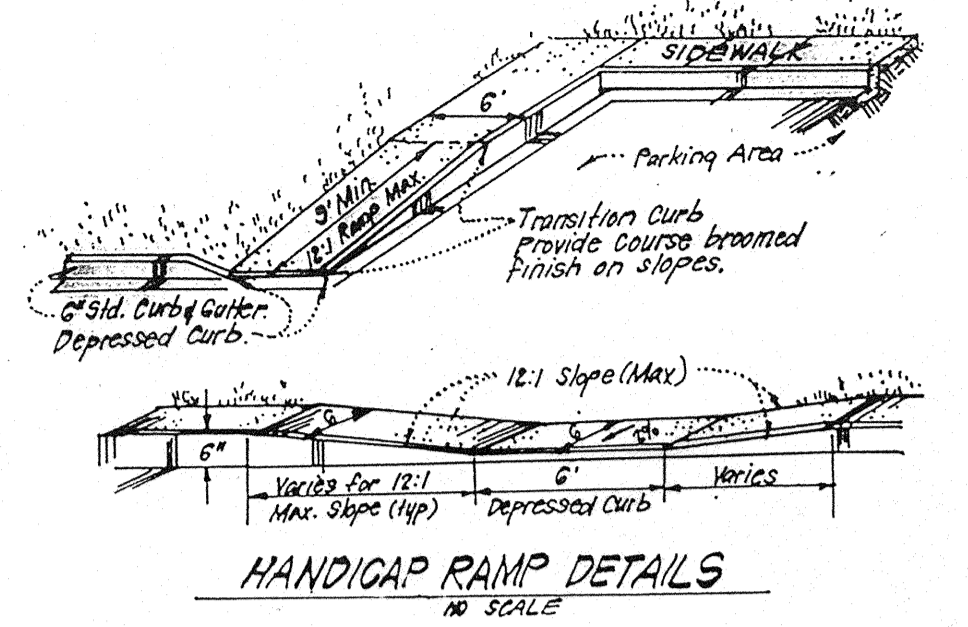
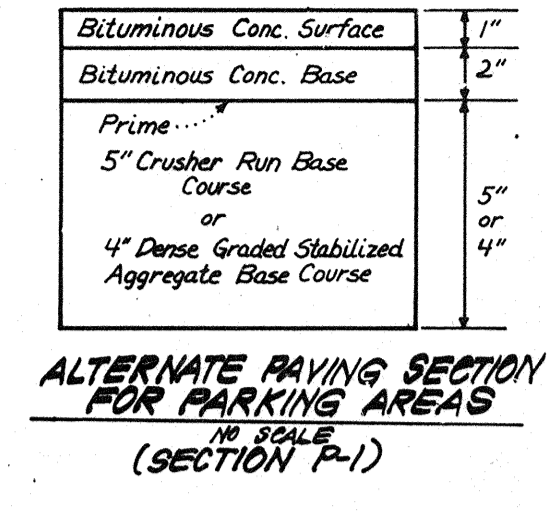
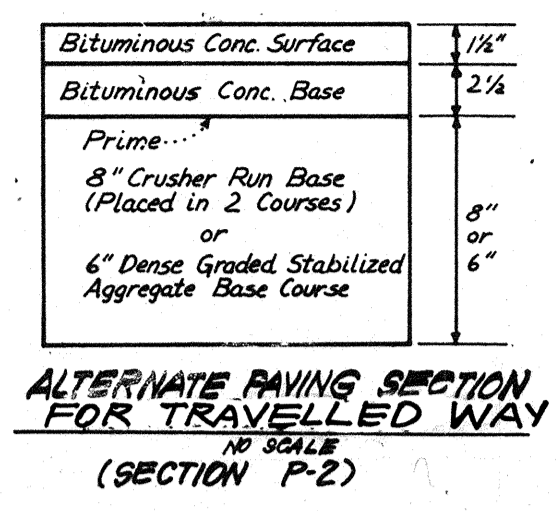


**DUMPSTER PAD & ENCLOSURE**  
No Scale

Notes:  
1. Materials and Construction to be in accordance with H.C. Slab & Specs.  
2. See plan view for limits of concrete paving, shown thus: [Symbol]



**CONCRETE PAVING DETAIL - DUMPSTER AREA**  
No Scale



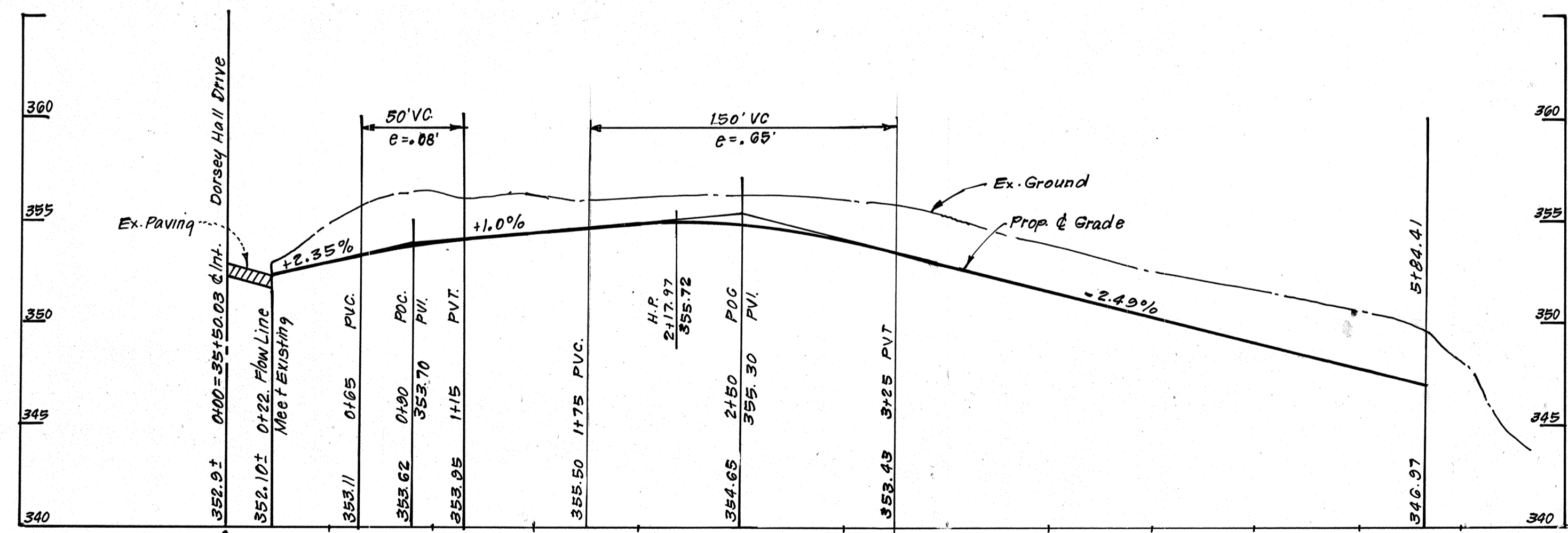
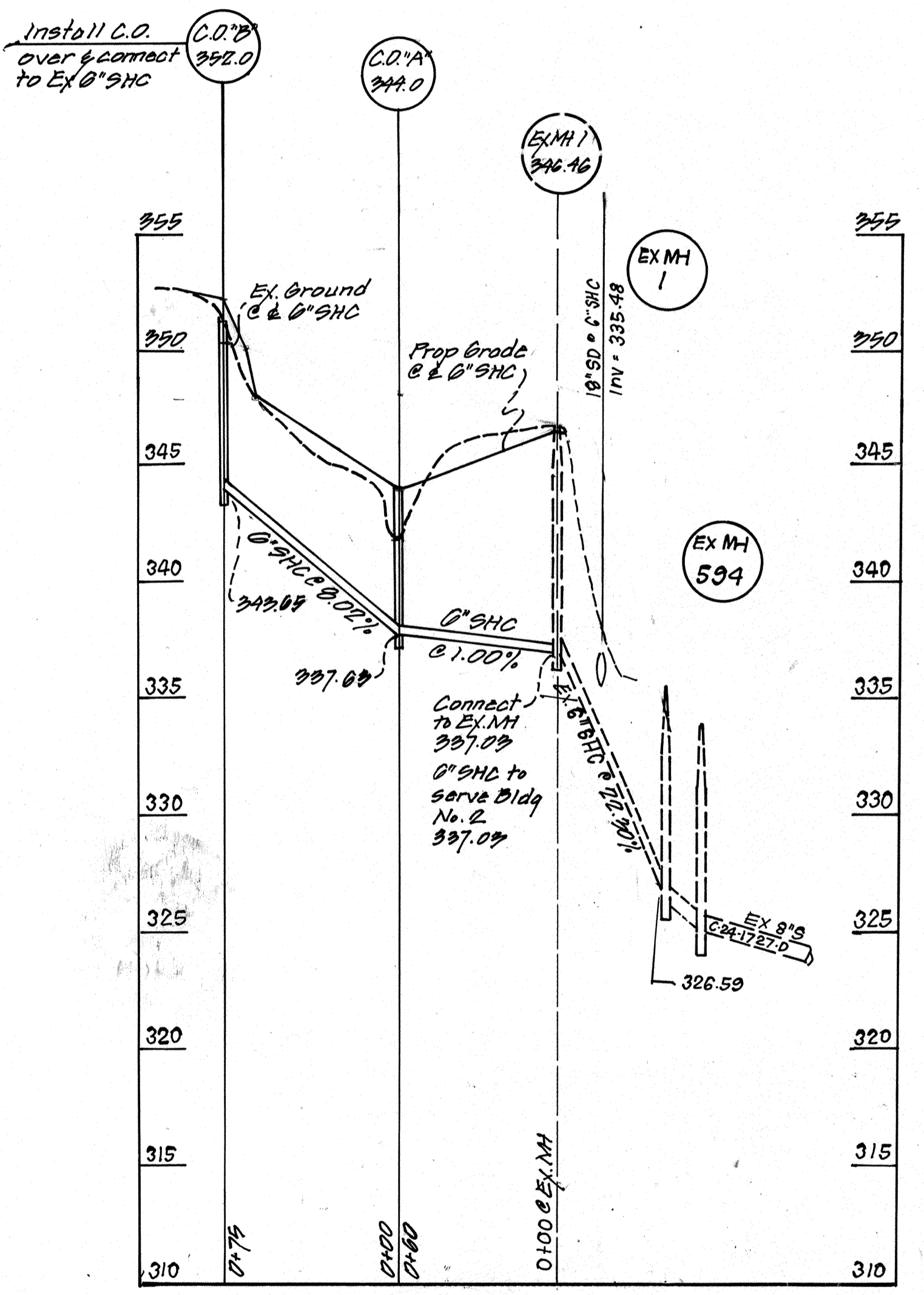
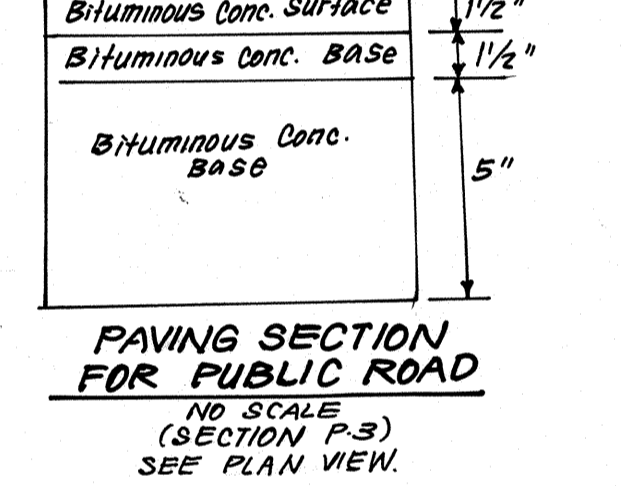
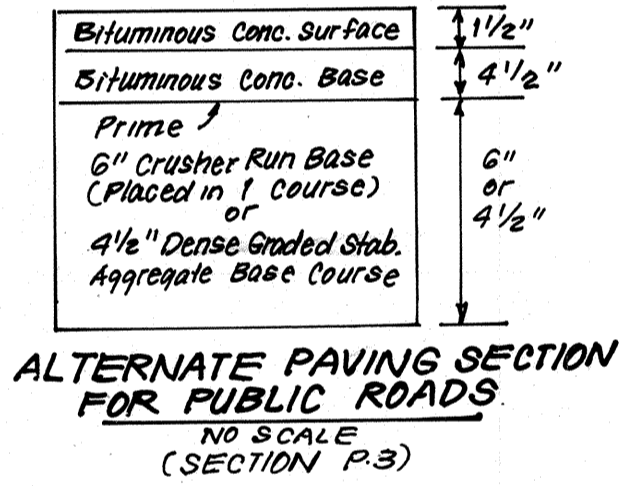
**HANDICAP PARKING SIGN DETAIL**  
No Scale

NOTE:  
1. Sign shall meet design standards of Federal Hwy. Administration.  
2. Use required parking space placed as shown (if applied).



**RESERVED PARKING SIGN DETAIL**  
No Scale

COLORS:  
Legend and Border - Green  
White Symbol on Blue Background  
Background - White



**PROFILE**  
SCALE: HORIZ. 1"=50'  
VERT. 1"=5'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 JAMES W. BOYD, M.D., F.S. DATE: 2-20-90  
 COUNTY HEALTH OFFICER

APPROVED: FOR PLANNING AND ZONING  
 J. J. LAUGHLIN, DATE: 3-12-90  
 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  
 JAMES Z. [Signature], DATE: 2/13/90  
 DIRECTOR

APPROVED: [Signature], DATE: 3-2-90  
 CHIEF BUREAU OF ENGINEERING

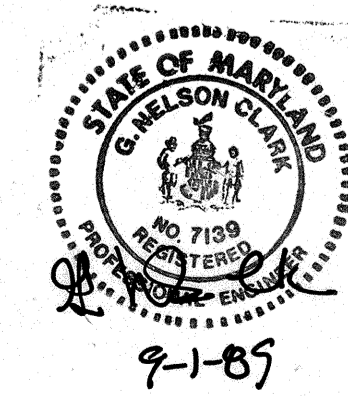
**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 11-22-89

No.	Revision	Date
1	Revise 6" SHC profile by FCC.	10-2-92

**WATER AND SEWER NOTES**

- All construction methods and materials for on-site private water and sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Standard Details and Specifications where necessary.
- Areas where water house connections are to be built shall be at final grade and connection shall be laid with a min of 3.5' of cover.
- Water and sewer house connections shall be built to within 5' of building.
- 4.6" Water pipe shall be Ductile Iron, Class 52.
- 6" Sewer pipe shall be PVC unless otherwise noted on profile.

NOTE: CONFIRM EXACT HOR. & VERT. LOCATION OF EX 6" SHC WELL IN ADVANCE OF CONSTRUCTION. IF CONFLICT APPEARS IMMINENT, CONTACT CF&S WITH AS-BUILT LOCATION.



STATE OF MARYLAND  
 THOMAS A. FINEPROCK  
 PROFESSIONAL ENGINEER  
 No. 978  
 Exp. 12/31/92

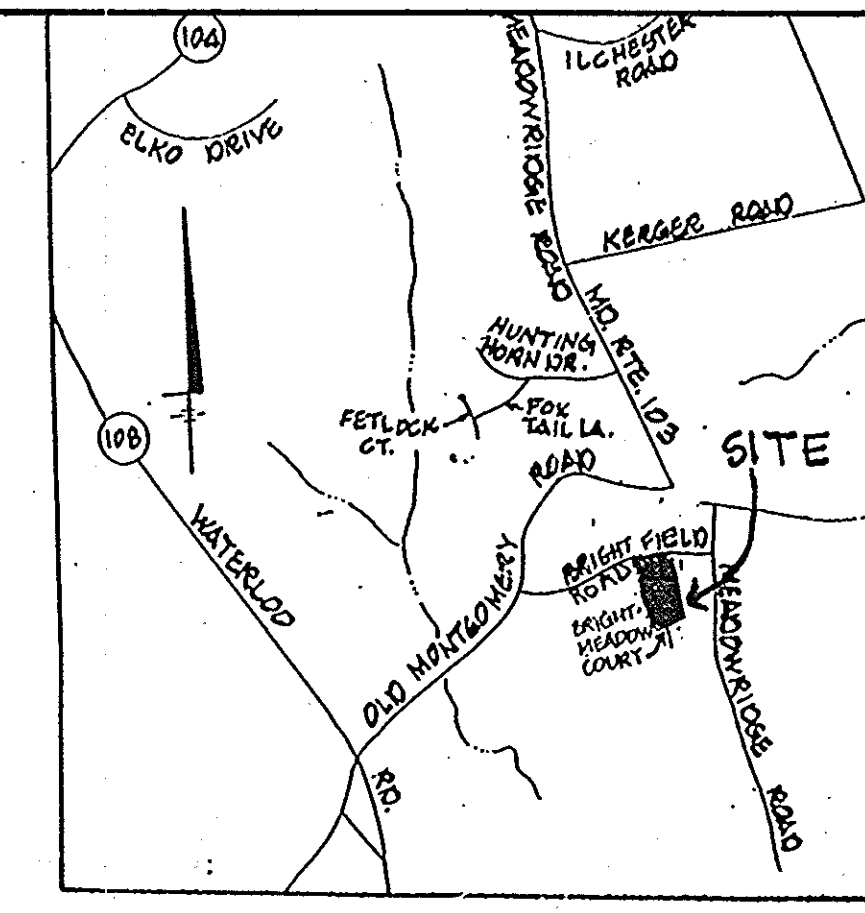
OWNER:  
 DORSEY PLACE  
 LIMITED PARTNERSHIP  
 6625 Belnick Drive  
 Baltimore Md. 21287

**CLARK • FINEPROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7530 - BALTO. • (301) 621-8100 - WASH.

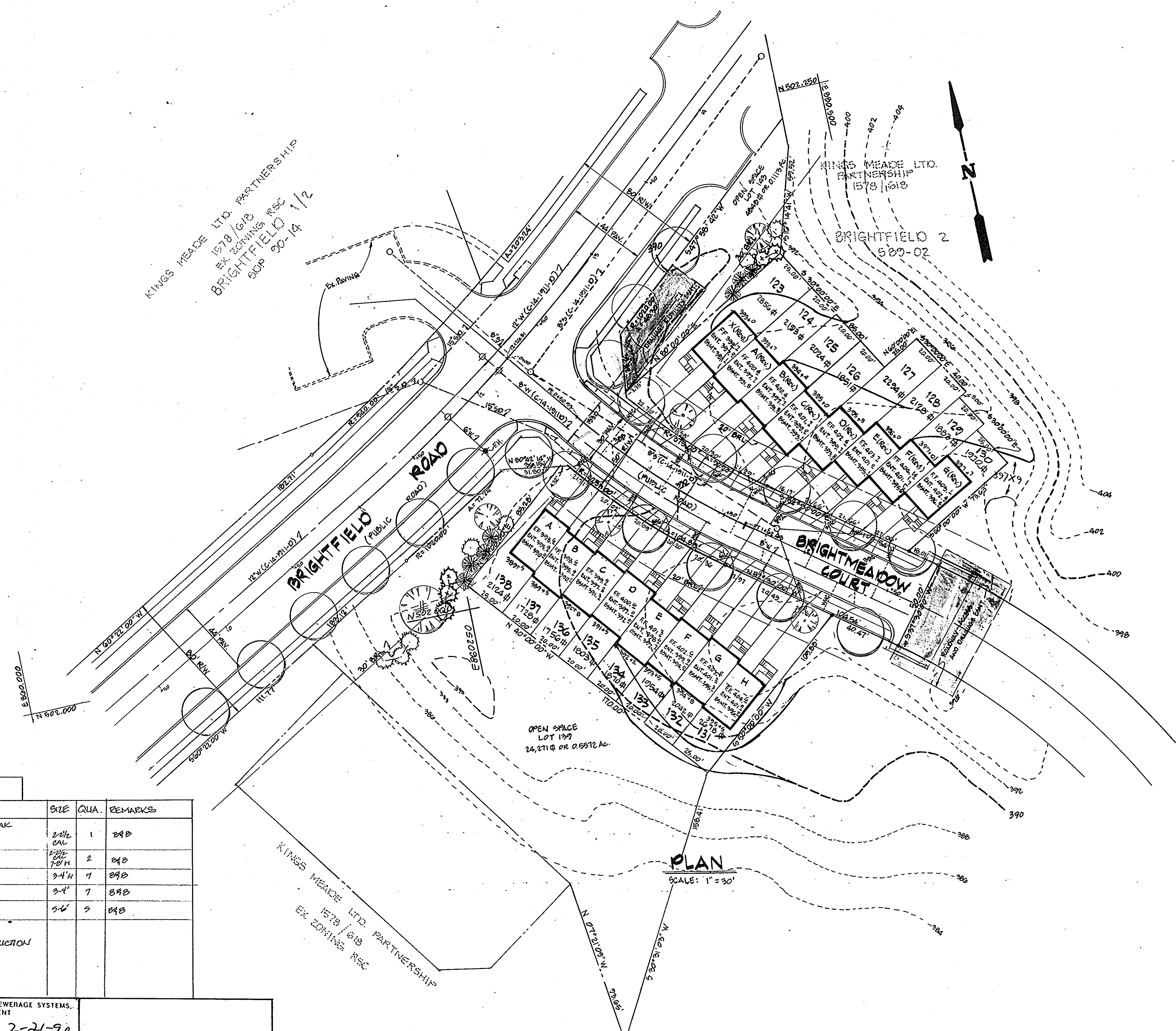
DESIGNED KIWM	<b>SITE DEVELOPMENT PLAN DETAILS</b> PARCEL 0-2 <b>DORSEY HALL</b> SECTION 2 AREA 5 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND.	SCALE As Shown
DRAWN KIWM		DRAWING 20FG
CHECKED JLS		JOB NO. 88-146
DATE Sept. 1989		FILE NO. 88-146 X

FOR: CONSOLIDATED HOME BUILDERS, INC.  
 6625 Belnick Drive  
 Baltimore, Md. 21227

SDP-70-68



VICINITY MAP  
SCALE: 1"=2,000'



PLAN  
SCALE: 1"=30'

PLANT SCHEDULE			
KEY	NAME	SIZE	QUA. REMARKS
	QUERCUS RUBRA, NORTHERN RED OAK	2 1/2" CAL	1 24B
	MAHOGANY, SARGENT CRAB	2 1/2" CAL	2 24B
	PINUS MUGHO	3 1/4"	7 24B
	PINUS STROBUS	3 1/4"	7 24B
	PINUS STROBUS	5 1/2"	5 24B
	STREET TREE AS PER ROAD CONSTRUCTION PLAN 10-31-88		

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

*James P. Boyle* 2-21-90  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

*W. J. ...* 3-15-90  
DIRECTOR DATE

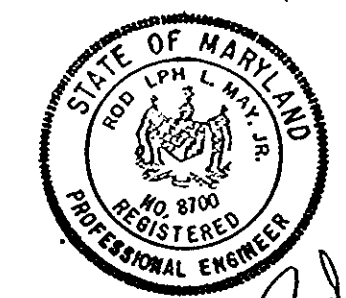
*Mark J. ...* 2/15/90  
CHIEF DIVISION COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

*James P. ...* 2-11-90  
DIRECTOR DATE

*William B. ...* 2-14-90  
CHIEF BUREAU OF ENGINEERING DATE

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 10-11-89



*Robert Mont*  
9/12/89

LAND DESIGN ENGINEERING, INC.  
10620 Guilford Road • Suite 210 • Jentux • Maryland 20784 • (301) 604-6264 • (301) 800-0034

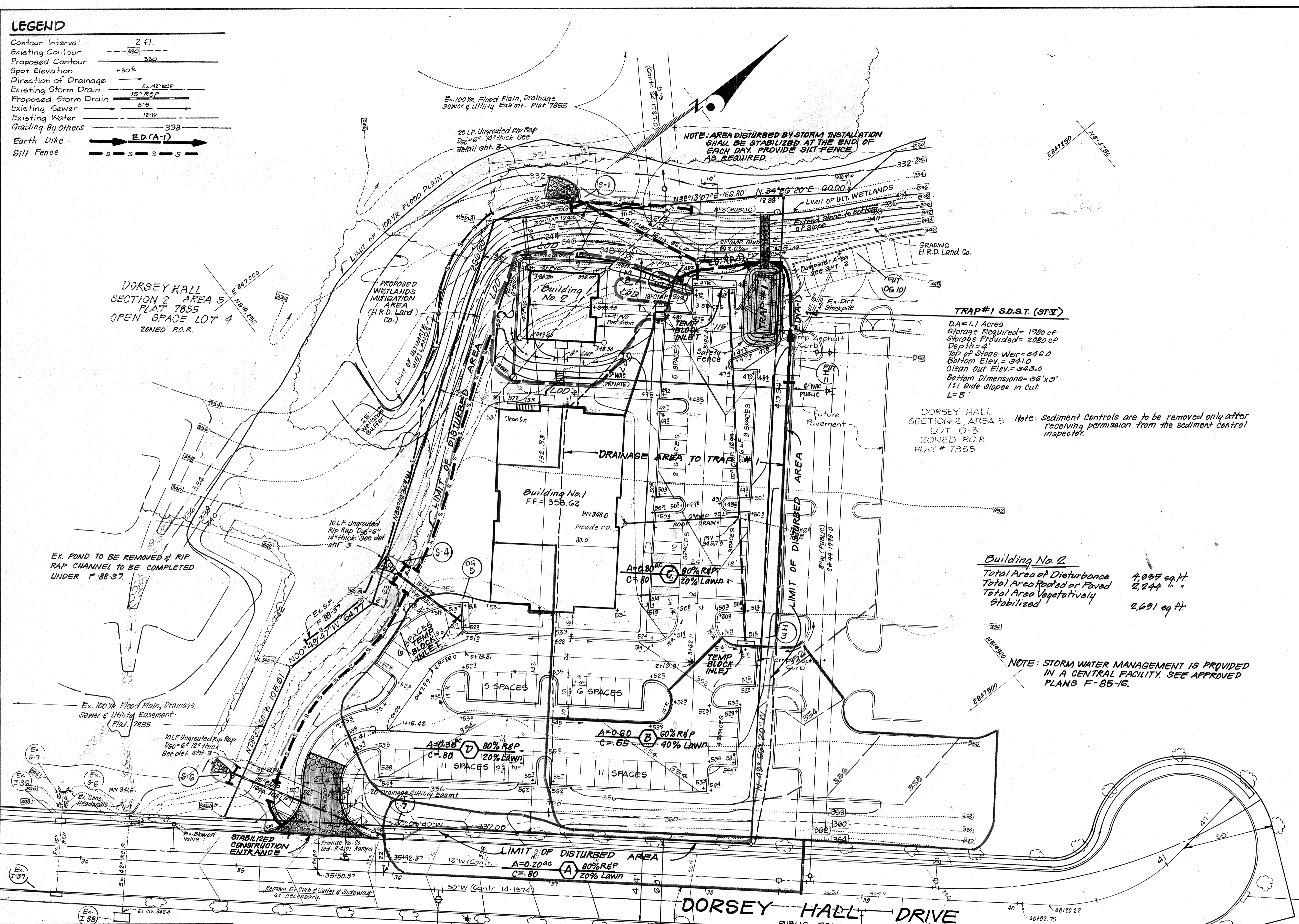
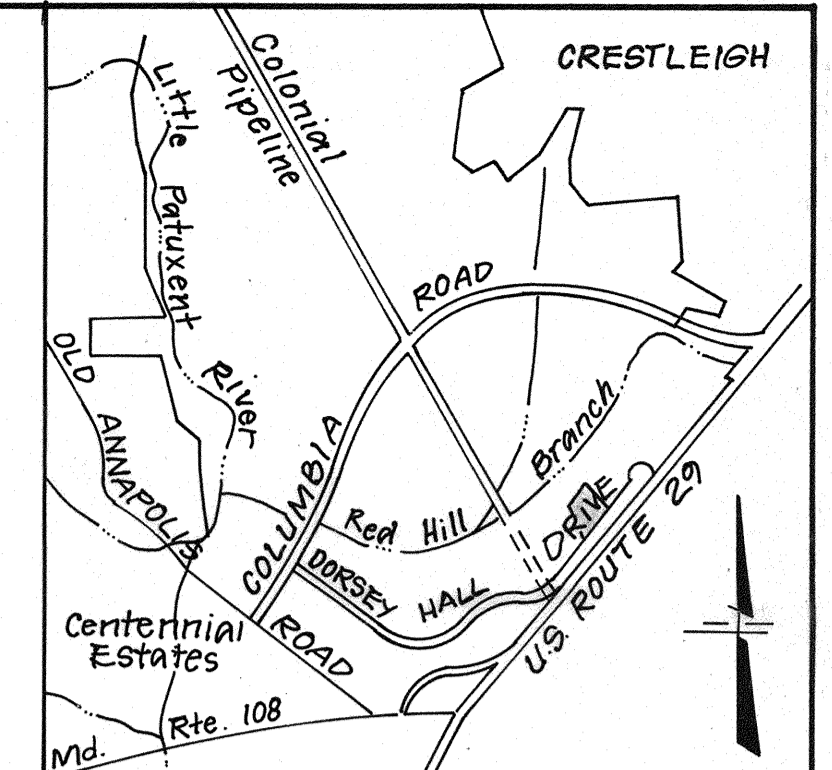
DESIGNED JKL	LANDSCAPE PLAN LOTS 123 THROUGH 138 SECTION 1 AREA 2 <b>BRIGHTFIELD</b> 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: 1"=30'
DRAWN JKL		DRAWING 30P3
CHECKED RLM		JOB No. 89-402
DATE		FILE No.

FOR: RYAN HOMES, INC.  
CONTRACT PURCHASER & DEVELOPER  
9175 GUILFORD ROAD SUITE 200  
COLUMBIA, MARYLAND 21046

OWNER:  
KINGS MEADE LIMITED PARTNERSHIP  
10020 GUILFORD RD  
SUITE 210  
JENTUX, MARYLAND 20784  
(301) 604-6264

**LEGEND**

Contour Interval	2 ft.
Existing Contour	--- 330 ---
Proposed Contour	--- 330 ---
Spot Elevation	+30.5
Direction of Drainage	→
Existing Storm Drain	--- 15" RCP ---
Proposed Storm Drain	--- 15" RCP ---
Existing Sewer	--- 12" W ---
Existing Water	--- 12" W ---
Grading By Others	--- 338 ---
Earth Dike	--- E.P.(A-1) ---
Silt Fence	--- S ---



**VICINITY MAP**  
SCALE: 1" = 2,000'

**TRAP #1 S.O.S.T. (STY)**  
 DA = 1.1 Acres  
 Storage Required = 1980 cf  
 Storage Provided = 2080 cf  
 Depth = 4'  
 Top of Stone Weir = 346.0  
 Bottom Elev. = 341.0  
 Clean Out Elev. = 343.0  
 Bottom Dimensions = 36' x 9'  
 1:1 Side Slopes in Cut  
 L = 5'

DORSEY HALL SECTION 2, AREA 5 LOT 4 ZONED P.O.R. PLAT # 7855  
 Note: Sediment Controls are to be removed only after receiving permission from the sediment control inspector.

**Building No. 2**  
 Total Area of Disturbance 4,085 sq. ft.  
 Total Area Reroofed or Paved 2,244 sq. ft.  
 Total Area Vegetatively Stabilized 2,691 sq. ft.

NOTE: STORM WATER MANAGEMENT IS PROVIDED IN A CENTRAL FACILITY. SEE APPROVED PLANS F-85-16.

Reviewed for... H.O.A. etc... S.C.D.  
 Name  
 meets Technical Requirements  
 Signature Date  
 U.S. Soil Conservation Service

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

John A. Plutner 12/1/89  
 Approved Date

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

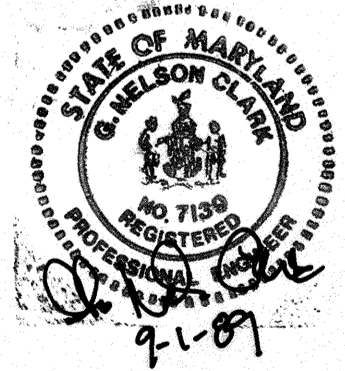
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Signature of Developer/Builder Date 9-13-89

**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.

G. Nelson Clark 9-1-89 Date

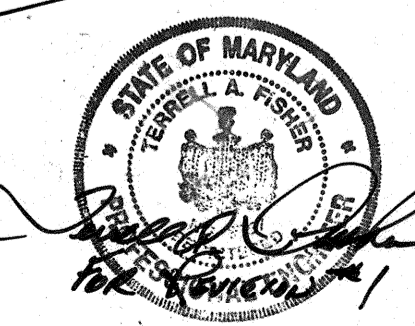


APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT  
 Director Date 2-20-90  
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 Director Date 3-19-90  
 CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT Date 3/16/90  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director Date 2/13/90  
 CHIEF BUREAU OF ENGINEERING Date 3-8-90

APPROVED PLANNING BOARD OF HOWARD COUNTY  
 11-22-89

U.S. ROUTE 29  
 SHA PLAT # 34992  
 PUBLIC ROAD R/W

No.	Revision	Date
1	Revise plan to add Building No. 2, relocate Ex. 0" S.H.C., revise grading, add super silt fence & LOD of round construction site by F.C.C.	10-3-05



OWNER: DORSEY PLACE LIMITED PARTNERSHIP 6025 Selnick Drive Baltimore Md. 21227

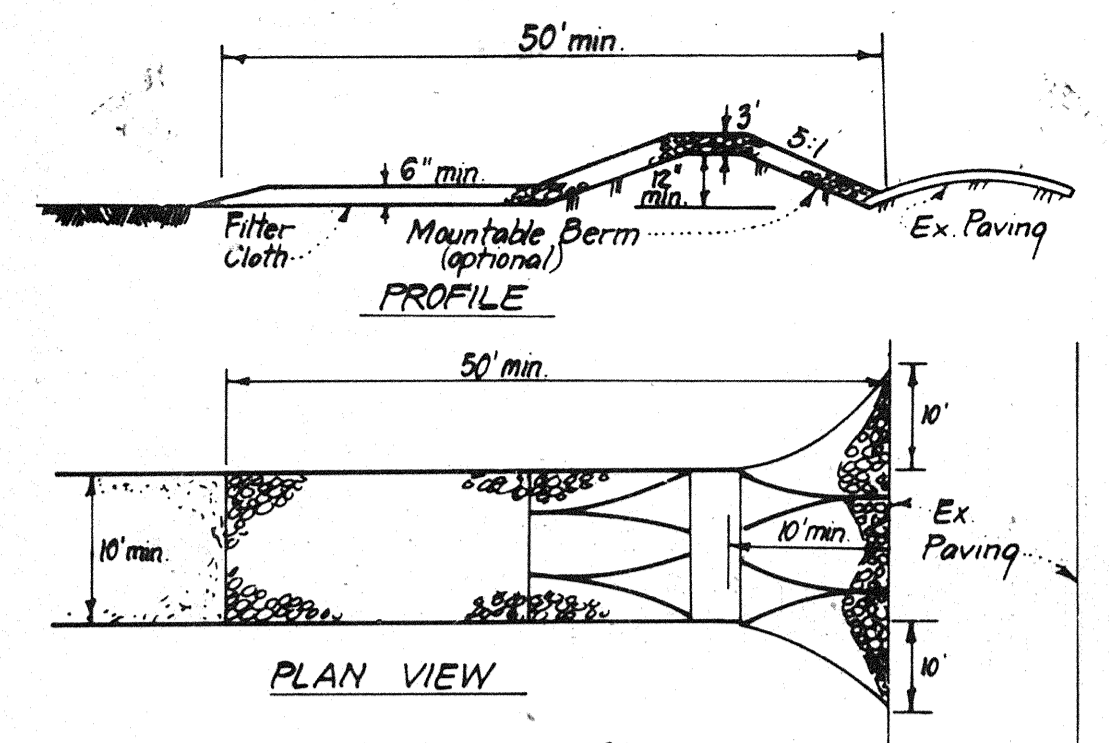
**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: K/IWM  
 DRAWN: K/IWM  
 CHECKED: WHT/JLB  
 DATE: Sept. 1989

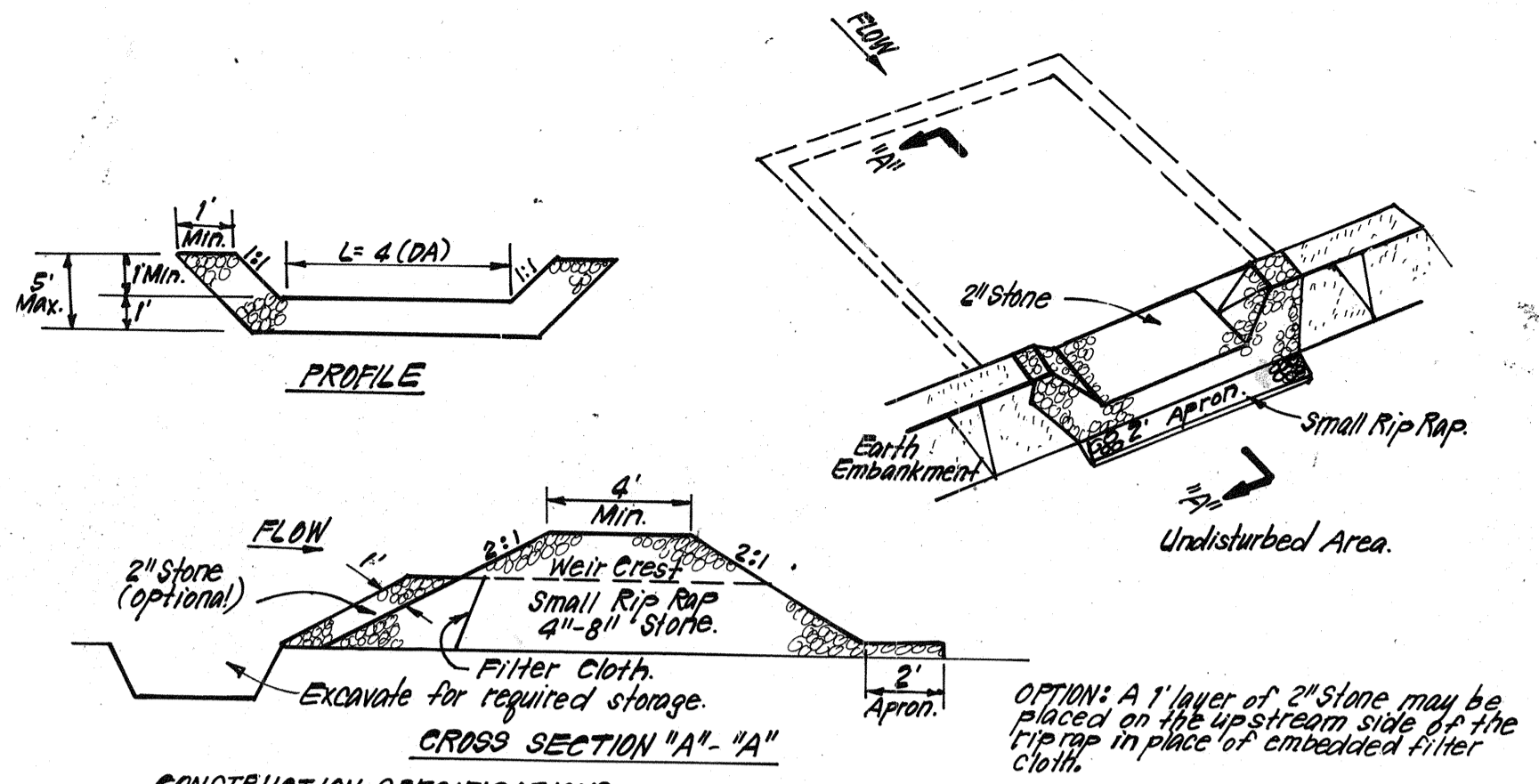
**SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP**  
 PARCEL 0-2  
**DORSEY HALL**  
 SECTION 2 AREA 5  
 2nd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

Consolidated Home Builders, Inc.  
 6625 Selnick Drive  
 Baltimore, Maryland, 21227

SCALE: 1" = 30'  
 DRAWING: 40P 6  
 JOB NO.: 88-146  
 FILE NO.: 88-146 SE  
 SEP. 90 68



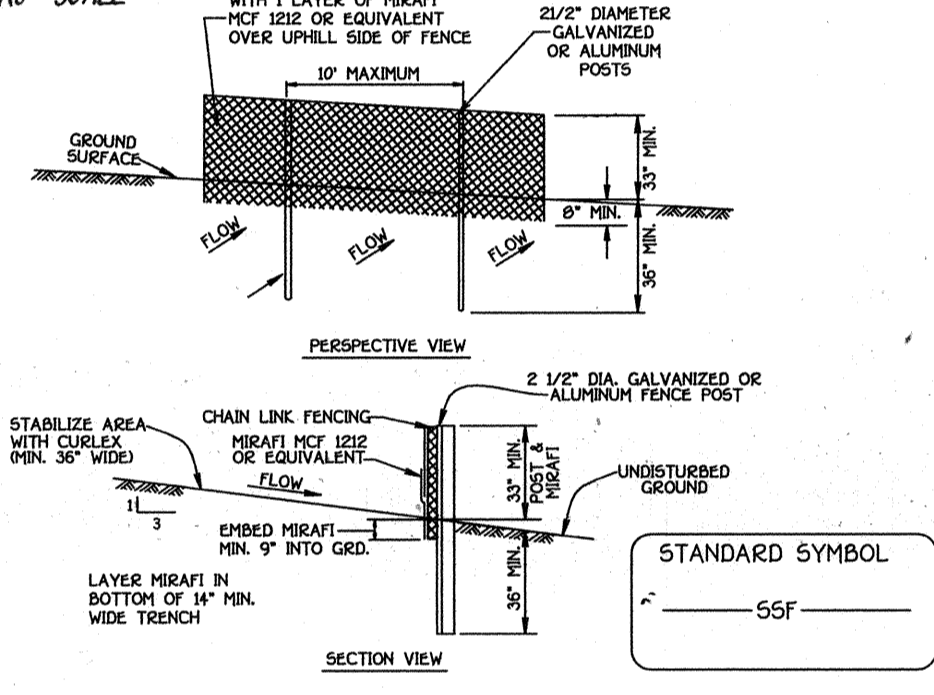
- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
  - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
  - Thickness - Not less than six (6) inches.
  - Width - Ten (10) foot minimum, but not less than the full width at 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 on 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 mountable berm with 5:1 slopes will be permitted.
  - 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 cleanup of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
  - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. Wheel washing is required if 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.



- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top 2" of soil shall be cleaned.
  - The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
  - All cut and fill slopes shall be 2:1 or flatter.
  - The stone used in the outlet shall be small rip rap 4"-8" along with 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
  - Sediment shall be removed and top restored 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.

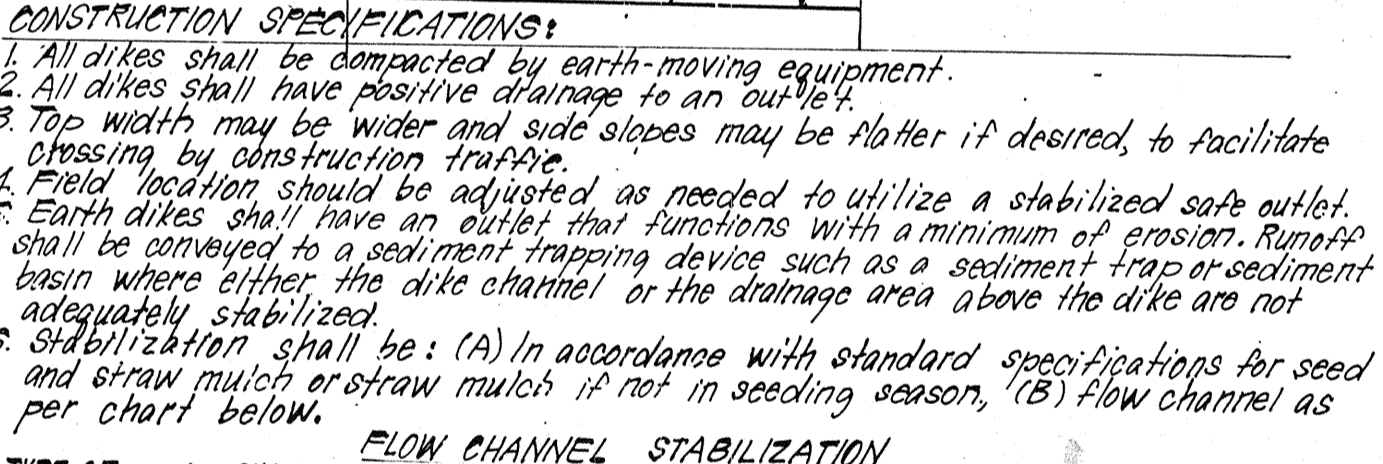
**STONE OUTLET SEDIMENT TRAP (S.O.S.T.) S.T.V.**  
NO SCALE

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**



- CONSTRUCTION SPECIFICATIONS:**
- Fencing shall be 42" high chain link constructed in accordance with the latest MARYLAND STATE HIGHWAY ADMINISTRATION STANDARD DETAILS 6902D AND 6902E FOR CHAIN LINK FENCING. THE SPECIFICATIONS FOR A 6" PIPER SHALL BE USED. SUBSTITUTING 42" FABRIC AND 6" POSTS SHALL BE PLACED WITHOUT CONCRETE EMBLEMMENT.
  - CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
  - FILTER CLOTH TO BE FASTENED SECURELY TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - FILTER CLOTH SHALL BE PRESSED A MINIMUM OF 9" INTO THE GROUND.
  - WHEN TWO SECTIONS OF DIVERSION CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED.

Fabric Properties	Value	Test Method
Grub Tensile Strength (lbs)	90	ASTM D662
Elongation at Failure (%)	50	ASTM D662
Punch Strength (PSI)	190	ASTM D776
Puncture Strength (lbs)	40	ASTM D776
Berry Flow Rate (gal/min/ft)	0.3	Virginia DOT VTR-5
Equivalent Opening Size	40-60	US Std Sieve CW-6555
Ultraviolet Radiation Stability (h)	50	ASTM G-25



- CONSTRUCTION SPECIFICATIONS:**
- All dikes shall be constructed by earth-moving equipment.
  - All dikes shall have positive drainage to an outlet.
  - Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
  - Field location should be adjusted as needed to utilize a stabilized soft outlet.
  - Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment drain where either the dike channel or the drainage area above the dike are not adequately 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.

**FLOW CHANNEL STABILIZATION**

TYPES OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch
2	3.1 - 5.0%	Seed & Straw Mulch	Seed, Wattle, or Excelsior's Sod; 2" stone
3	5.1 - 8.0%	Seed, Wattle, or Sod; 2" stone	Lined Rip Rap 4"-8" stone
4	8.1 - 20.0%	Lined Rip Rap 4"-8" stone	Engineering Design

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

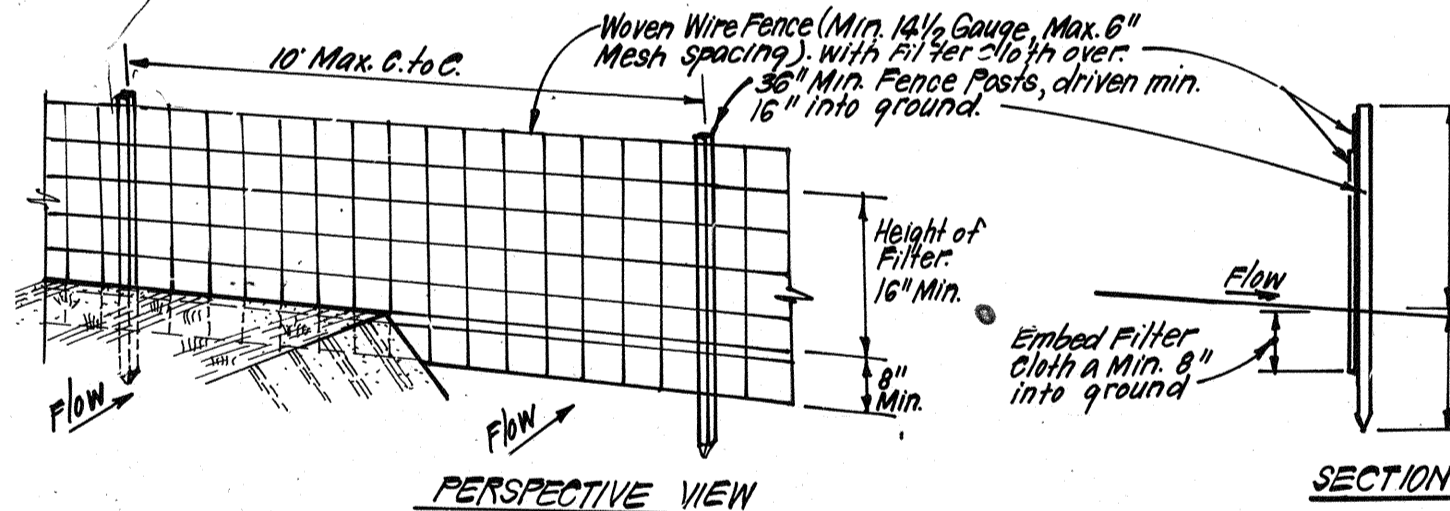
No.	Revision	Date
1	Add super silt fence detail	10/23/89

**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, 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 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).
  - 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 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 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, discing 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 2 1/2 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 unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal 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.



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

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

**SEDIMENT CONTROL NOTES**

- 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)
- 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, b) 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 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time periods specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates 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	2.274 Acres
Area Disturbed	2.06 Acres
Area to be roofed or paved	1.06 Acres
Area to be vegetatively stabilized	1.00 Acres
Total Cut	555 Cu. yds
Total Fill	160 Cu. yds
Offsite waste/borrow area location	Undetermined
- 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 DFW 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-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
- All pipes to be installed at the end of each day (see detail below). N/A
- The total amount of straw bale dikes/silt fence equals 510 L.F.

**CONSTRUCTION SEQUENCE:**

No. of DAYS	Task
7	1. Obtain Grading Permit.
14	2. Install sediment & erosion control measures.
30	3. Clear and Rough Grade Site.
30	4. Construct Storm Drainage, Block Inlets as shown.
30	5. Construct Utilities.
120	6. Fine grade & construct paving except in area of Trap #1.
180	7. Construct Building & Walks.
30	8. Stabilize all disturbed areas in accordance with standards & specs.
7	9. Upon approval of the sediment control inspector, remove sediment & erosion control measures and construct remainder of parking area and stabilize as necessary.

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

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

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

APPROVED: PLANNING BOARD OF HOWARD COUNTY

DATE: 11-22-89

Reviewed for Howard S.C.D. and meets Technical Requirements

Signature: John L. Robertson

Date: 12/19/89

U.S. Soil Conservation Service

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

Signature: John L. Robertson

Date: 12/19/89

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: G. Nelson Clark

Date: 9-13-89

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: G. Nelson Clark

Date: 9-13-89

OWNER: DORSEY PLACE LIMITED PARTNERSHIP, 6625 BELMICK DRIVE, BALTIMORE, MD 21227

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH

DESIGNED BY: KIWM

DRAWN BY: KIWM

CHECKED BY: WHJ

DATE: Sept. 1989

SCALE: 1"=30'

DRAWING: 50F 6

JOB NO: 88-146

FILE NO: 88-146 SE

SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP

PARCEL 0-2

DORSEY HALL

SECTION 2 AREA 5

2nd ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

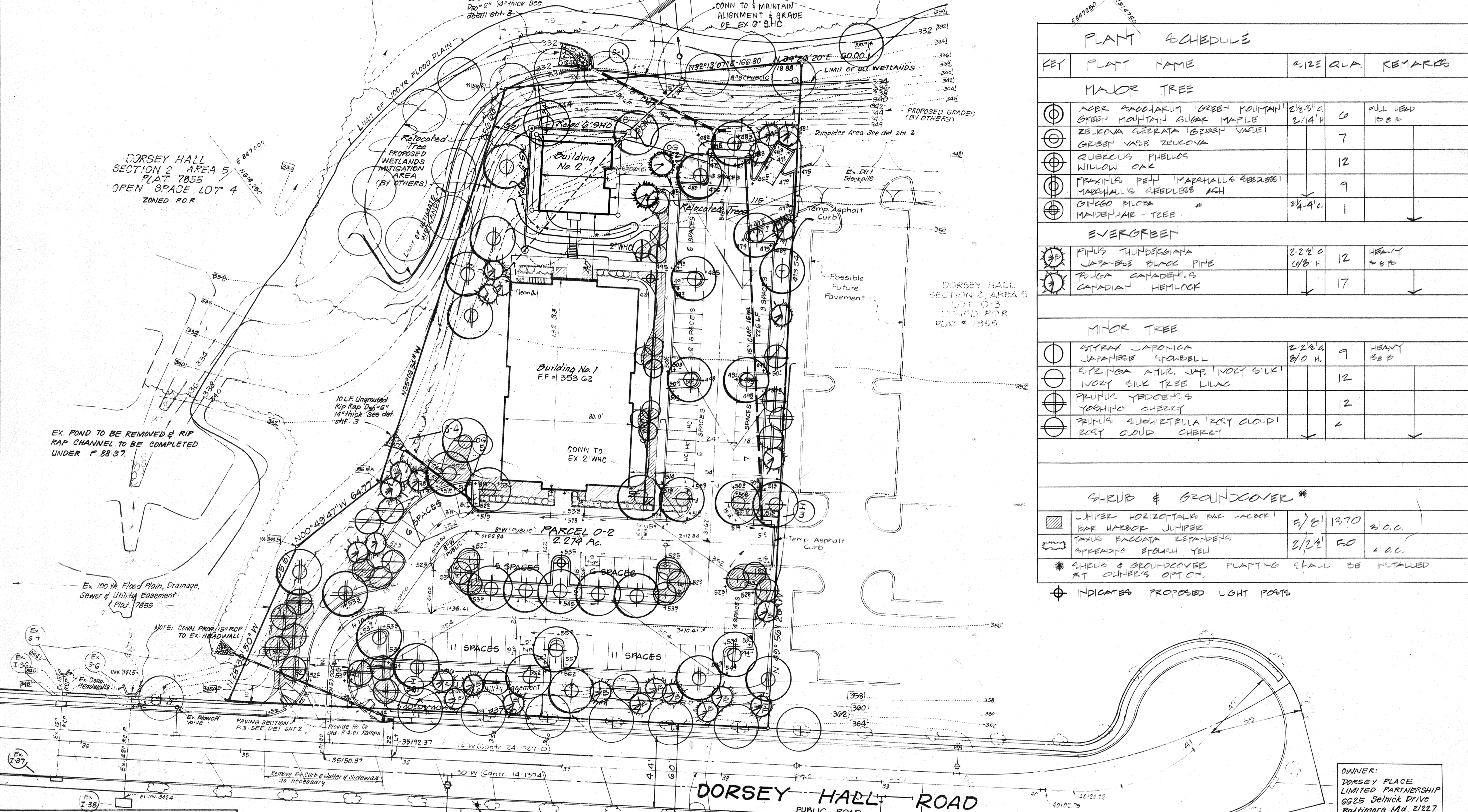
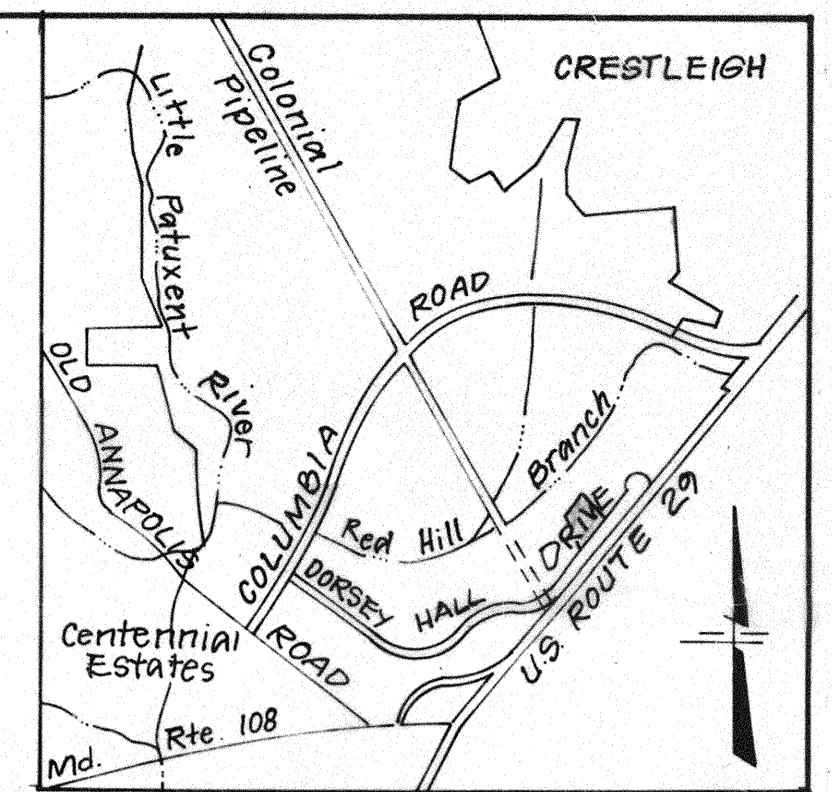
Consolidated Home Builders, Inc. 6625 Belmick Drive Baltimore, Maryland, 21227



FOR REVISION No. 1

**LEGEND**

Contour Interval	2 ft.
Existing Contour	330
Proposed Contour	332
Spot Elevation	+30.5
Direction of Drainage	Ex. 42" RCP
Existing Storm Drain	15" RCP
Proposed Storm Drain	8" S
Existing Sewer	12" W
Existing Water	12" W
Grading By Others	338



**PLANT SCHEDULE**

KEY	PLANT NAME	SIZE	QTY	REMARKS
<b>MAJOR TREE</b>				
⊙	ACER BOCCARUM 'GREEN MOUNTAIN'	2 1/2" @ 12/14" H	0	FULL HEAD P&F
⊙	GREEN MOUNTAIN SUGAR MAPLE			
⊙	ZELKOVA SEPRATA 'GREEN VASE'		7	
⊙	GREEN VASE ZELKOVA			
⊙	QUERCUS PHELLOS		12	
⊙	WILLOW OAK			
⊙	FRAXINUS PETI 'MARSHALLS REDBELL'		9	
⊙	MARSHALLS REDBELL ASH			
⊙	GINKGO BILBOA	3/4" @ 4' H	1	
⊙	MAIDENHAIR - TREE			
<b>EVERGREEN</b>				
⊙	PINUS THUNBERGIANA	2-2 1/2" @ 10' H	12	HEAVY P&F
⊙	JAPANESE BLACK PINE			
⊙	POUYA CANADENSIS		17	
⊙	CANADIAN HEMLOCK			
<b>MINOR TREE</b>				
⊙	QTYRAX JAPONICA	2-2 1/2" @ 8/10" H	9	HEAVY P&F
⊙	JAPANESE STONEBELL			
⊙	STYRACIA AMUR. JAP. IVORY SILK		12	
⊙	IVORY SILK TREE LILAC			
⊙	PRUNUS YEDENSIS		12	
⊙	YOSHINO CHERRY			
⊙	PRUNUS QUINQUEFLOLLA 'ROSY CLOUD'		4	
⊙	ROSY CLOUD CHERRY			
<b>SHRUB &amp; GROUNDCOVER *</b>				
■	JUNIPER HORIZONTALIS 'PAE HARBOR'	1 1/2" @ 1 1/2" H	1370	2/0.C.
■	PAE HARBOR JUNIPER			
■	TAXUS PACIFICA REPANDENS	2 1/2" @ 2 1/2" H	50	4/0.C.
■	SPREADING BROUGH YEW			
* SHRUB & GROUNDCOVER PLANTING SHALL BE INSTALLED AT OWNER'S OPTION.				

⊕ STREET TREES PER ROAD CONSTRUCTION PLAN

⊙ WETLAND TREE PLANTING PER WETLAND MITIGATION PLAN

CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING

ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH COLUMBIA H.E.D. PLANTING SPECIFICATIONS.

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

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

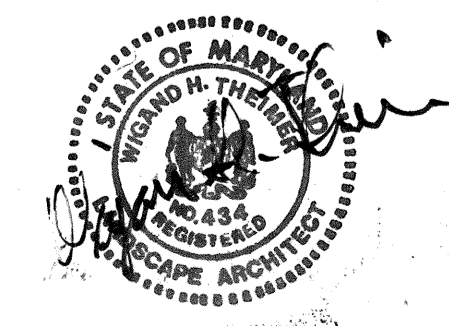
**APPROVED PLANNING**  
of HOWARD COUNTY  
DATE 11-22-89

**DORSEY HALL ROAD**  
PUBLIC ROAD

U.S. ROUTE 29  
SHA PLAT #34992  
PUBLIC ROAD R/W

EXISTING SOUTH BOUND LANE

No.	Revision	Date
1	Revise grading to add Building No. 2, relocate Ex. 8" S.H.C. & trees by F.C.C.	10.3.89



OWNER:  
DORSEY PLACE LIMITED PARTNERSHIP  
6625 Selnick Drive  
Baltimore, Md. 21227

STATE OF MARYLAND  
PROFESSIONAL ENGINEER  
For Revision No. 1

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

DESIGNED: RJA  
DRAWN: RHO  
CHECKED: WHT  
DATE: Sept. 1989

**LANDSCAPE & LIGHTING PLAN**  
OFFICE BUILDING  
PARCEL 0-2  
**DORSEY HALL**  
SECTION 2 AREA 5  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE: 1"=30'  
DRAWING: G0F0  
JOB NO.: 88-146  
FILE NO.: 88-146

Consolidated Home Builders, Inc.  
6625 Selnick Drive  
Baltimore, Maryland, 21227