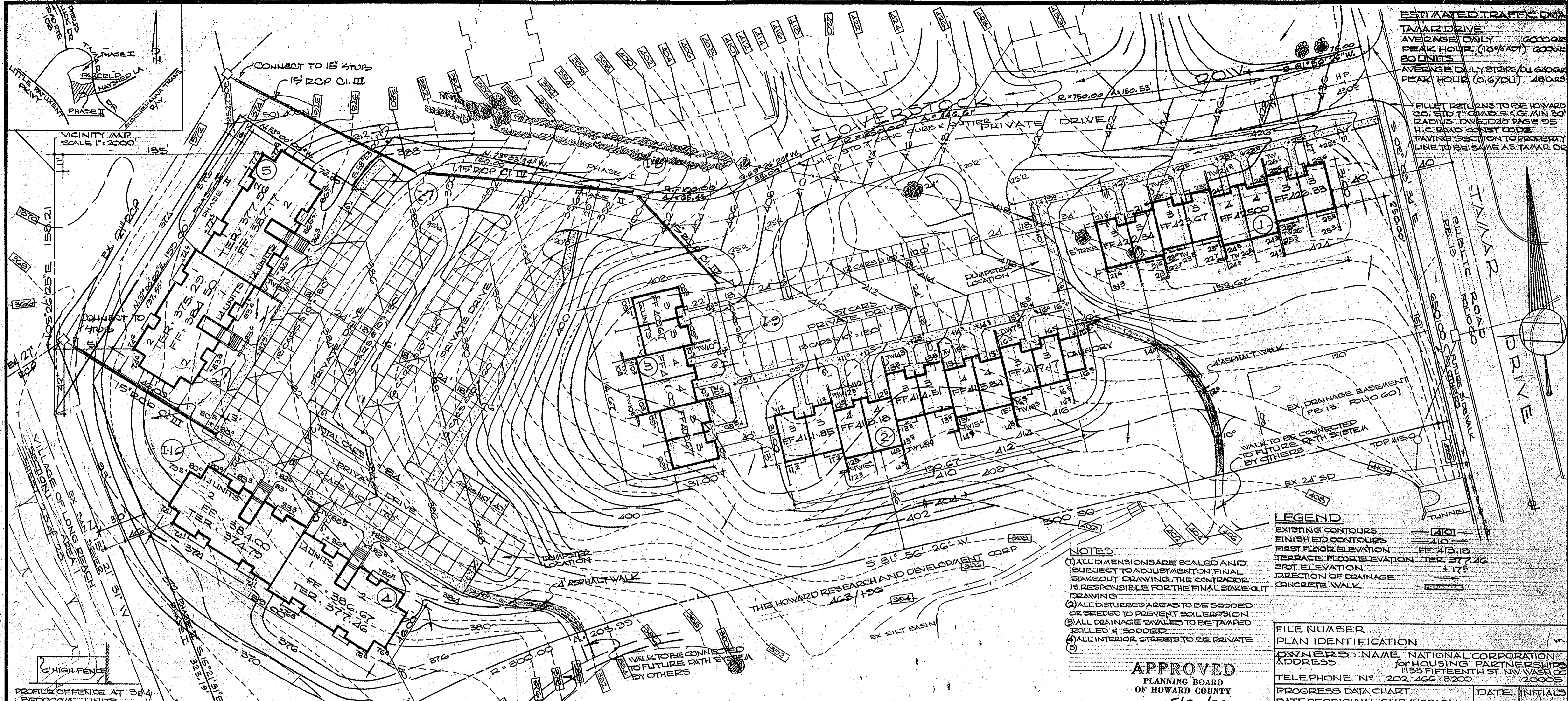


ESTIMATED TRAFFIC DATA
 TAMAR DRIVE
 AVERAGE DAILY 6000 VEH
 PEAK HOUR (15% AD) 2000 VEH
 80 UNITS
 AVERAGE DAILY STRIPS/DU 6000
 PEAK HOUR (0.67/DU) 1800 VEH

FILLET RETURNS TO BE HOWARD CO. STD 7" CURB'S 4" G/W IN 20' RADIUS. DIVE D20 PAGE 95 H.C. ROAD CONST CODE PAVING SECTION TO PROPERTY LINE TO BE SAME AS TAMAR DR



LEGEND

EXISTING CONTOURS	110
FINISHED CONTOURS	110
FIRST FLOOR ELEVATION	FF 112.18
TERRACE FLOOR ELEVATION	TER 117.26
SPOT ELEVATION	117.5
DIRECTION OF DRAINAGE	117.5
CONCRETE WALK	117.5

NOTES

- ALL DIMENSIONS ARE SCALED AND SUBJECT TO ADJUSTMENT ON FINAL STAKEOUT DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL STAKEOUT DRAWING.
- ALL DISTURBED AREAS TO BE SODED OR SEEDED TO PREVENT SOIL EROSION.
- ALL DRAINAGE SWALES TO BE TYPED ROLLED #3 SODDED.
- ALL INTERIOR STREETS TO BE PRIVATE.

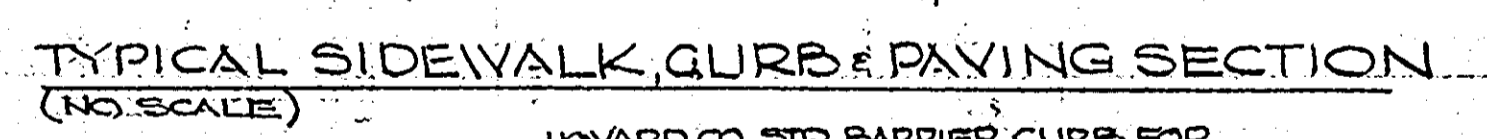
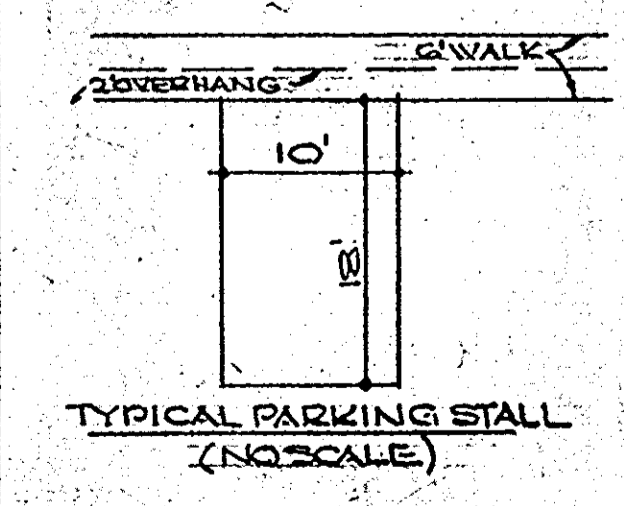
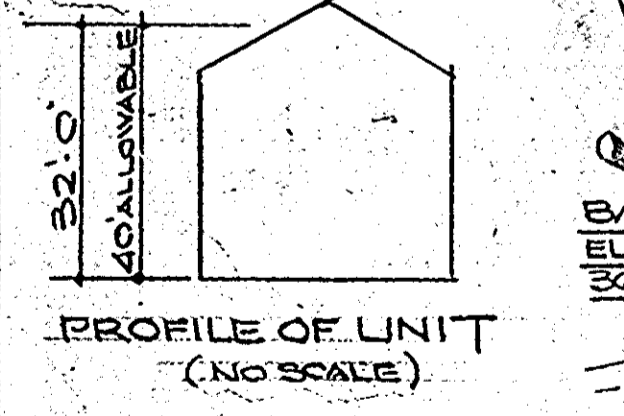
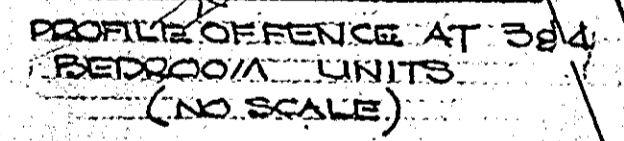
APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY

DATE 5/30/73
Thomas J. Davis

FILE NUMBER
PLAN IDENTIFICATION
 OWNERS: NAME NATIONAL CORPORATION
 ADDRESS 1133 FIFTEENTH ST. N.W. WASH DC 20005
 TELEPHONE N° 202 466 8200 20005

PROGRESS DATA CHART	DATE	INITIALS
DATE OF ORIGINAL SUBMISSION		
RETURNS		
REVISIONS REC'D BY HC PC		
APPROVAL OF SITE PLAN		
BUILDING PERMIT APPLICATION REC'D		
BUILDING PERMIT APPLICATION REL'D		
USE # OCCUPANCY APPLICATION REC'D		
USE # OCCUPANCY FIELD INSPECTION		
USE # OCCUPANCY PERMIT REL'D		

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
Thomas J. Davis 8/7/73
 COUNTY HEALTH OFFICER
 APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas J. Davis 8/10/73
 PLANNING DIRECTOR
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS, ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William A. Allen 8/7/73
 CHIEF BUREAU OF HIGHWAYS



HOWARD CO. STD BARRIER CURB FOR DETAILS SEE DWG D40 PAGE 95 H.C. ROAD CONST CODE
 1 1/2" BITUM CONC. SURFACE IN ACCORDANCE WITH DWG D-13 PAGE 98 H.C. ROAD CONST CODE
 5" BITUM CONC. BASE IN ACCORDANCE WITH DWG D-13 PAGE 98 H.C. ROAD CONST CODE
 NOTE: ALL MATERIAL & CONSTRUCTION SHALL BE IN ACCORDANCE WITH H.C. ROAD CONST. CODE & STANDARD SPECS.

Reviewed For Howard S.C.S. and Meets Technical Requirements.
 Signature: *Charles E. Nully* Date: 7/3/73
 U.S. SOIL CONSERVATION SERVICE
 This Development Plan is Approved for Soil Erosion And Sediment Control by the Howard Soil Conservation District.
 APPROVED *Robert W. John M.* Date: 7/21/73
 HOWARD S.C.S.

UNIT TABULATION - (NO BASEMENTS)				SITE ANALYSIS		
SOFT PER. (CRS)	NO.	UNIT TYPE	NO. OF UNITS	GROSS AREA IN SQ FEET	TOTAL AREA	
1	1BR	2BR	3BR	4BR	243	
2					210	
3					210	
4					210	
5					210	
TOTALS	28	28	16	8	20	65870

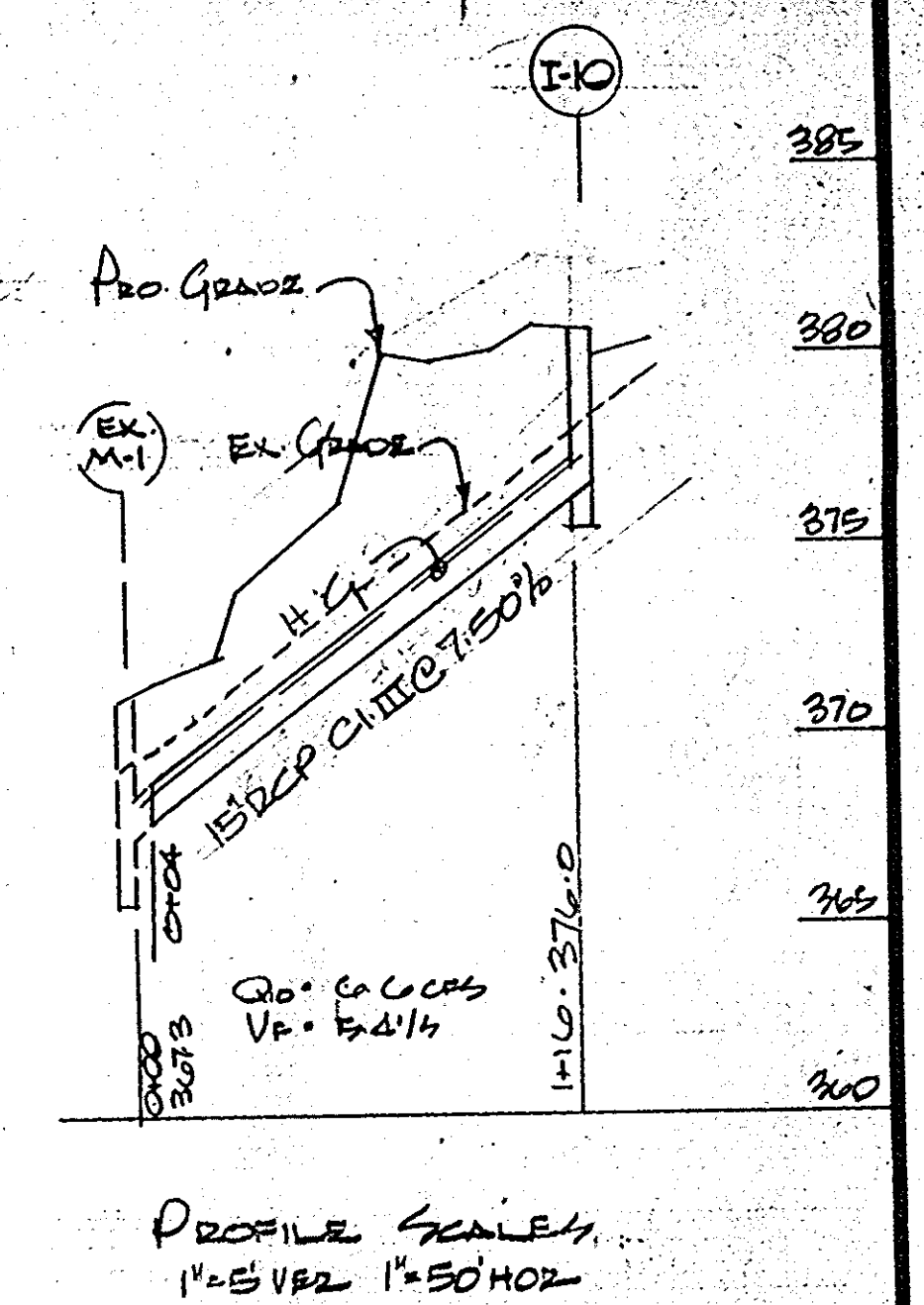
SEYBOLT GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 1111 BONIFANT STREET
 SILVER SPRING, MARYLAND
 589-1111

COLLINS & KRONSTADT code 301
LEAHY · HOGAN · COLLINS 587-8642
 architects · planners · engineers
 1111 spring street · silver spring, maryland

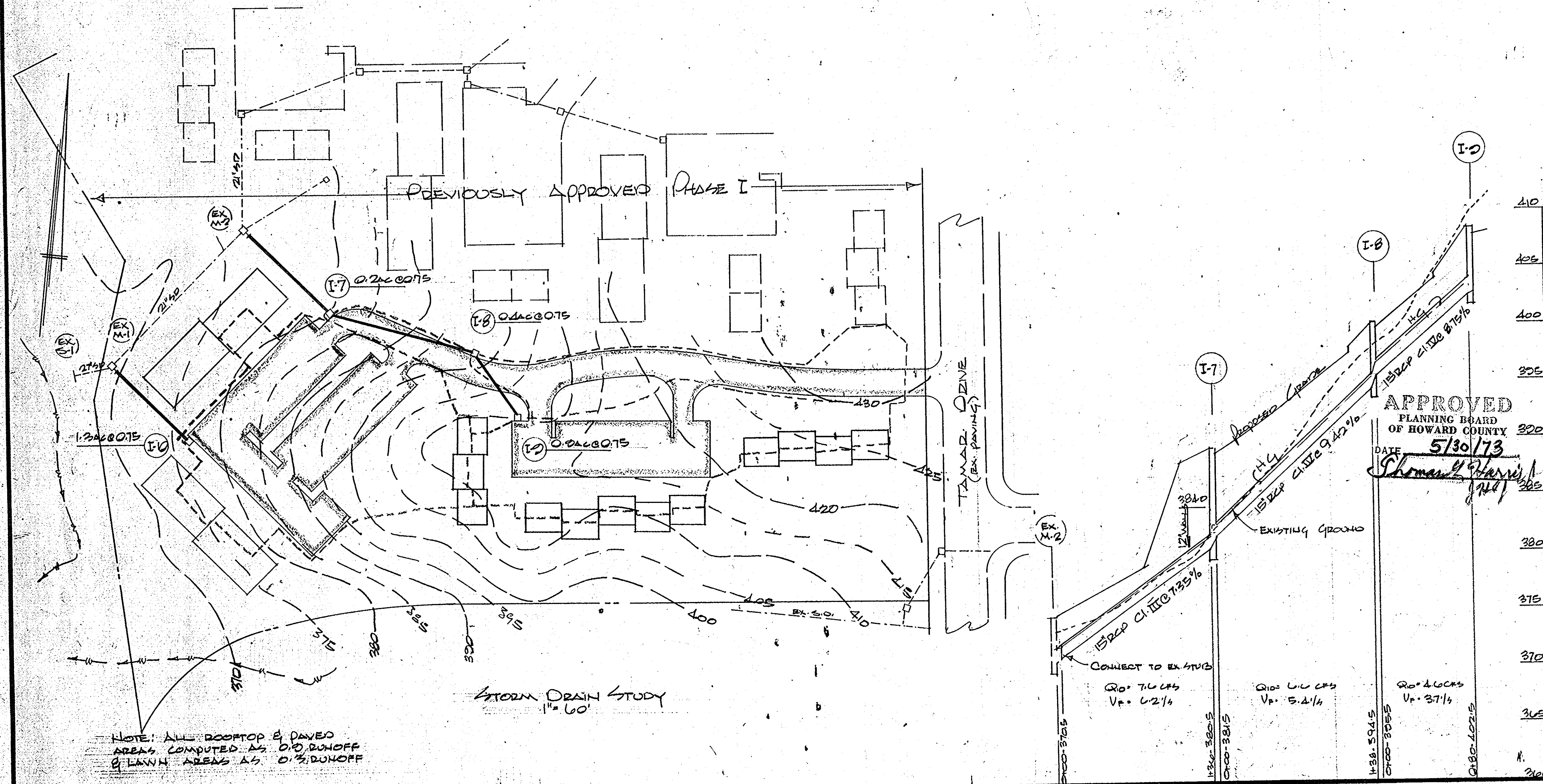
SITE GRADING & STORM DRAINAGE PLAN - PHASE II
 VILLAGE OF LONG REACH - 6TH ELECTION DISTRICT
 PARCEL ID SECTION I AREA J PLAT BOOK 13 FOLIO 60
 FINAL DEVELOPMENT PLAN PHASE 77 PB 19 FOLIOS 50-72 COLUMBIA, MD
 R.A.T. R.A.T. 7069-A MARCH 1973 11/30

STRUCTURE SCHEDULE				
NO.	TYPE	INV. IN	INV. OUT	TOP
I-7	15" RCP CI III	381.5	380.5	380.0
I-8	15" RCP CI III	385.5	384.5	380.0
I-9	15" RCP CI III	-	402.5	402.2
I-10	15" RCP CI III	-	376.0	380.5

PIPE SCHEDULE		
SIZE	TYPE	LENGTH
15"	RCP CI III	244'
15"	RCP CI III	218'



PROFILE SCALES
1" = 5' VERT 1" = 50' HORZ



Reviewed For	Howard S.C.S and Meets	
NAME		
Technical Requirements		
SIGNATURE	Charles E. Nullo	Date 7/31/73
u.s. SOIL CONSERVATION SERVICE		
This Development Plan is Approved For Soil Erosion And Sediment Control by the Howard Soil Conservation District.		
Approved	Robert W. Zuehl	Date 7/21/73
HOWARD S.C.D.		
File Number		
Plan Identification		
Owners Name	NATIONAL CORPORATION for HOUSING PARTNERSHIPS	
Address	1133 FIFTEENTH ST. NW. WASH. DC. 20005	
Telephone No.	202-466-8200	
Progress Data Chart	Date	Initials
Date of Original Submission	5/30/73	Thomas J. Harris
Revisions		
Revisions Received by H.C.P.C.		
Approval of Site Plan		
Building Permit Application Received		
Building Permit Application Released		
Use & Occupancy Application Received		
Use & Occupancy Field Inspection		
Use & Occupancy Permit Released		
APPROVED: For Public Water & Public Sewerage Systems	Howard County Health Department	
SIGNATURE	J. P. ...	8/1/73
COUNTY HEALTH OFFICER		
APPROVED: Howard County Office of Planning & Zoning.	DATE 8/1/73	
PLANNING DIRECTOR	DATE 8/1/73	
CHIEF OF LAND DEV'T TRANS PLAN	DATE 8/1/73	
APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads, Howard County Department of Public Works.	DATE 8/2/73	
DIRECTOR	DATE 8/16/73	
CHIEF BUREAU OF HIGHWAYS	DATE	

SEYBOLT GORE NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
1111 BONIFANT STREET
SILVER SPRING, MARYLAND
583-1111

COLLINS & KRONSTADT LEAHY HOGAN COLLINS
architects planners engineers
1111 spring street silver spring, maryland

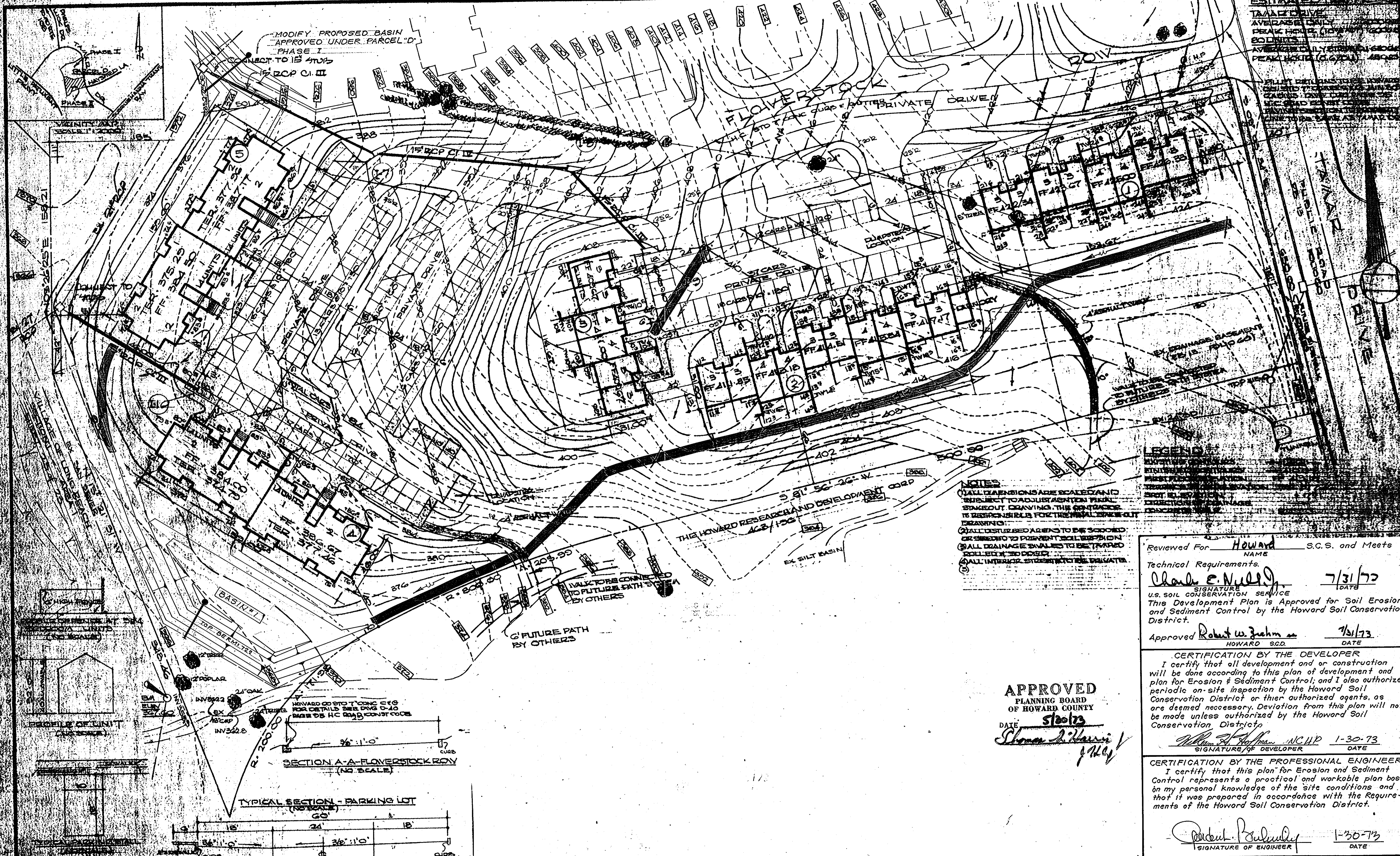
STORM DRAIN STUDY & PROFILES - PHASE II

VILLAGE OF LONGREACH - C&E ELECTION DISTRICT
PARCEL "D" SECTION 1 AREA 1 PLAT 1500-1 FOLIO 60
FINAL DEVELOPMENT PLAN PHASE II - PR 10 FOLIOS 5072 COL. MD.

7000-A MARCH 1973 SHEET

SD-3

SDP 73-85C



ESTIMATED
 TRAFFIC VOLUME
 AVERAGE DAILY
 PEAK HOUR (10:00-11:00)
 AVERAGE DAILY TRUCK VOLUME
 PEAK HOUR (6:00-7:00)

MODIFY PROPOSED BASIN
 APPROVED UNDER PARCEL 'D'
 PHASE I
 CONNECT TO IS 410'S
 17' DCP C.I. III

NOTES
 (1) ALL DIMENSIONS ARE SCALED AND SUBJECT TO ADJUSTMENT FROM STAKEOUT DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL STAKE-OUT DRAWING.
 (2) ALL DISTURBED AREAS TO BE SOODED OR SEEDED TO PREVENT SOIL EROSION.
 (3) ALL DRAINAGE SWALES TO BE TRAPPED AND COLLECTED TO DITCH.
 (4) ALL INTERIOR STAIRWAYS TO BE DRAINAGE.

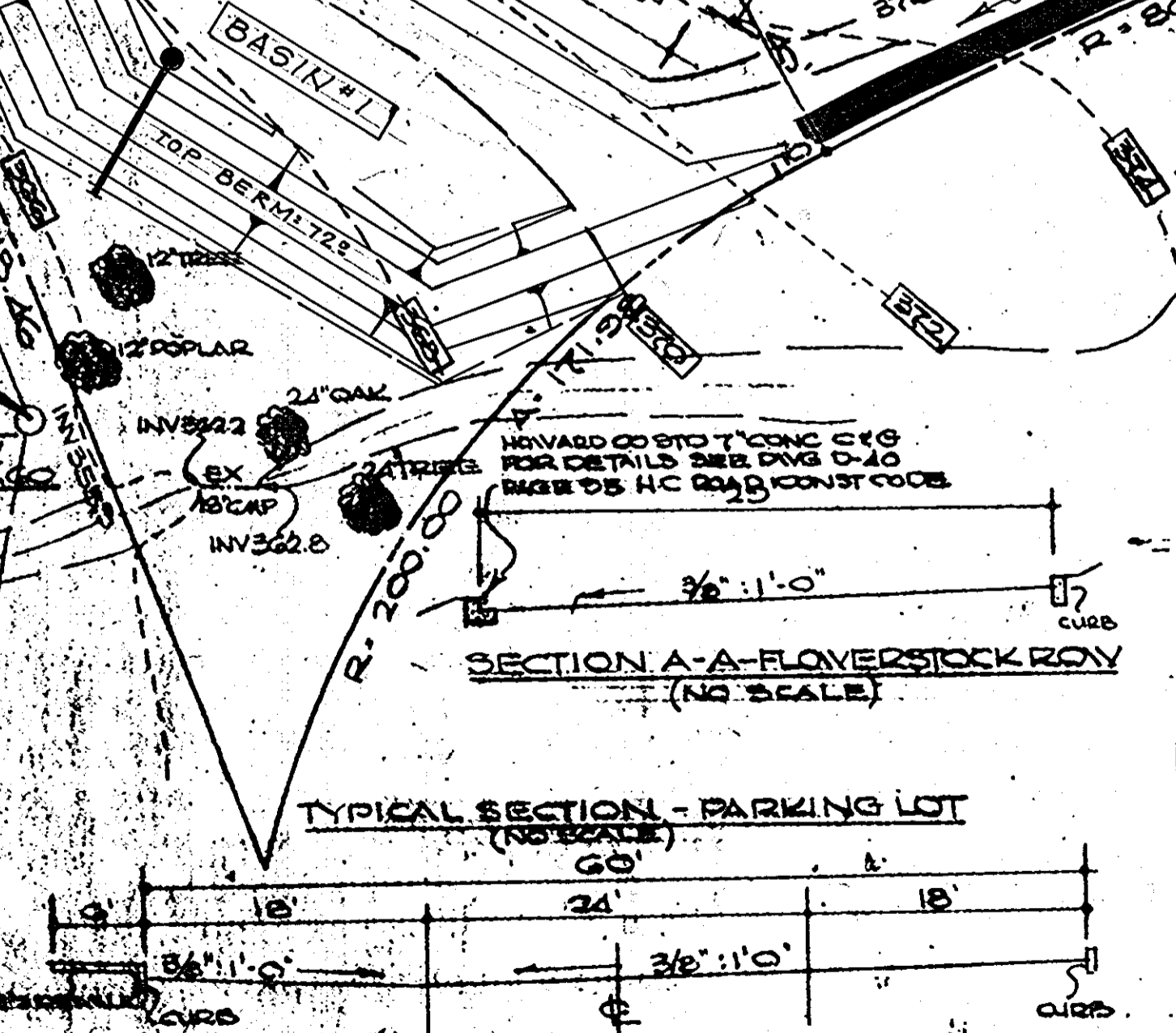
LEGEND
 EXISTING BUILDING
 EXISTING DRIVEWAY
 EXISTING DRIVE
 EXISTING SIDEWALK
 EXISTING CURB
 EXISTING DRIVEWAY
 EXISTING DRIVE
 EXISTING SIDEWALK
 EXISTING CURB
 EXISTING DRIVEWAY
 EXISTING DRIVE
 EXISTING SIDEWALK
 EXISTING CURB

Reviewed For Howard S.C.S. and Meets
 NAME
 Technical Requirements.
Charles E. Nulle 7/31/73
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE
 This Development Plan is Approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 Approved Robert W. Zahm 7/31/73
 HOWARD SCD DATE

CERTIFICATION BY THE DEVELOPER
 I certify that all development and/or construction will be done according to this plan of development and plan for Erosion & Sediment Control; and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
William J. Hoffman NCUP 1-30-73
 SIGNATURE OF DEVELOPER DATE

CERTIFICATION BY THE PROFESSIONAL ENGINEER
 I 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.
Robert W. Zahm 1-30-73
 SIGNATURE OF ENGINEER DATE

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 8/20/73
Sharon J. Harris
 SECRETARY




COLLINS & KRONSTADT code 301
LEAHY · HOGAN · COLLINS 587-8642
 architects · planners · engineers
 1111 Spring Street · Silver Spring, Maryland

SEDIMENT CONTROL PLAN
 VILLAGE OF LONG REACH
 PARCEL 'D' SECTION I AREA I
 FINAL DEVELOPMENT PLAN PHASE I
 R.A.T. R.A.T. 7083 A
SC-I

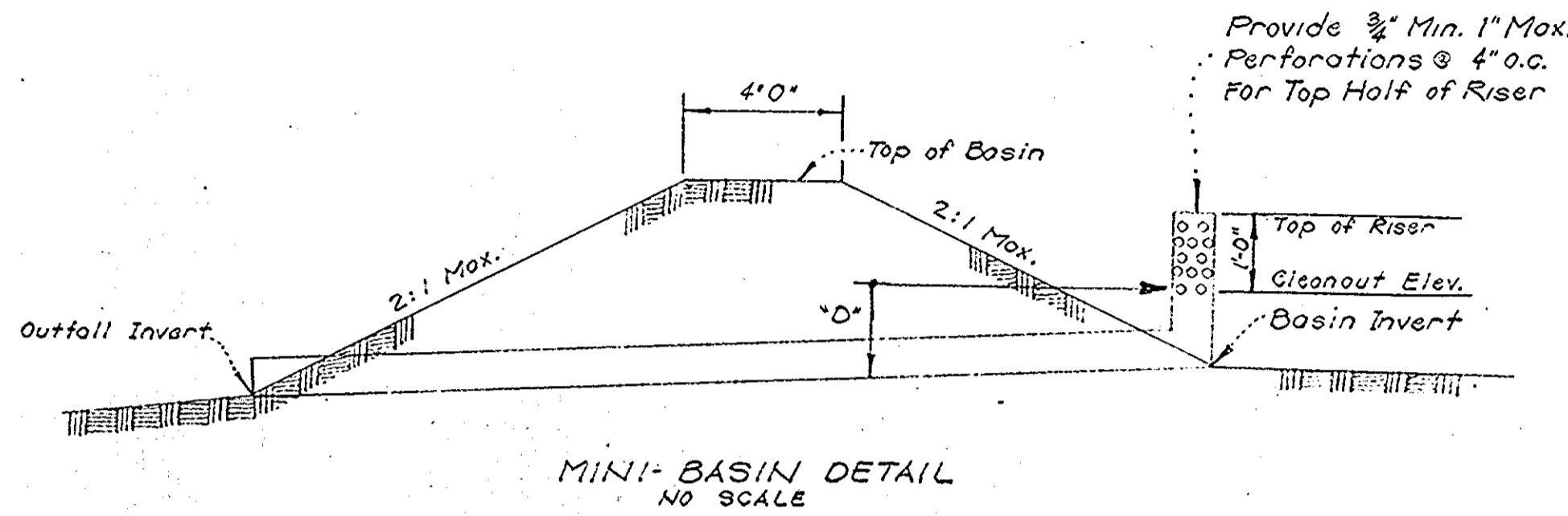
DAVID B. GREENE, ROBERT BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 1000 BRIGHT STREET
 SILVER SPRING, MARYLAND

F.H.A.
 FEB 25, 1973
 125 S 500

GENERAL NOTES

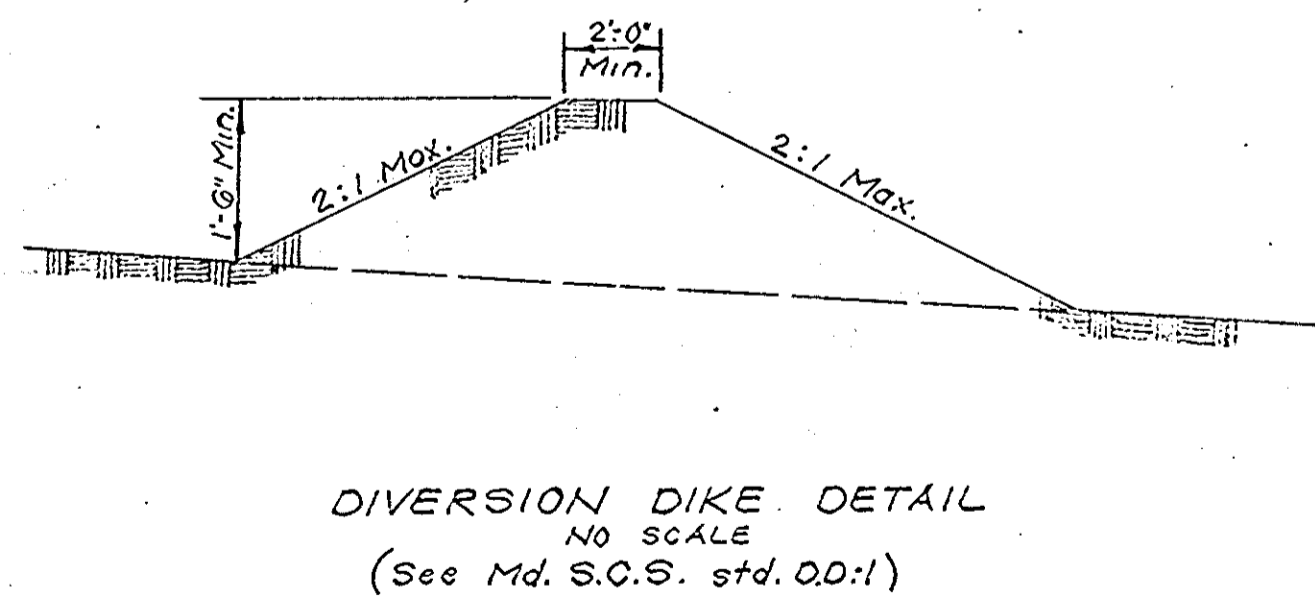
1. All construction shall be in accordance with the "Standards & Specifications for Soil Erosion & Sediment Control in Urbanizing Areas."
2. Sediment Control measures shall be installed & stabilized according to this plan prior to any other grading, clearing, or disturbance of the existing surface of the site.
3. Control measures are to remain in place until permission for their removal has been obtained from the Howard Soil Conservation District (465-3180; 465-5000 x328)
4. Notify the Howard Soil Conservation District of the above numbers 24 hours in advance of starting work.
5. Storm Drainage may be constructed, however all inlets are to be capped & remain inoperative until upgrade areas have been stabilized unless otherwise shown.
6. Diversion dikes shown thus 
7. The amount of excavation & fill as shown on these plans has been computed to be 700 cubic yards of excavation & 4800 cubic yards of fill.
8. Approval of this plan is conditional upon the approval of a Sediment Control Plan for the off-site waste or borrow areas prior to the import of any borrow or export of any waste to or from this site
9. Lawn & Embankment areas shall be stabilized in accordance with Sections 3.100 - 3.104 of the above Specifications & as follows:

- Seeded Preparation
- A. Apply 2000 #/ac. of ground agricultural lime
 - B. Apply 1000 #/ac. of 10-10-10 fertilizer
- Seeding
- | | |
|-----------------------------|------------|
| 70% Kentucky 31 Tall Fescue | } 60 #/ac. |
| 20% Bluegrass | |
| 10% Annual Rye Grass | |



MINI-BASIN TABULATION

Basin #	Top Basin	Top Riser	Basin Inv.	Out Inv.	Drainage Area	"D"	Volume Ret'd	Volume Pro.
1	372.0	370.5	367.5	366.5	3.34L	10"	220cy	230cy
2								
3								
4								



Reviewed For Howard S.C.S. and Meets Technical Requirements.
 Signature: Charles E. Nield Jr. DATE: 7/31/73
 U.S. SOIL CONSERVATION SERVICE
 This Development Plan is Approved for Soil Erosion And Sediment Control by The Howard Soil Conservation District.
 APPROVED: Robert W. Zehm DATE: 7/31/73
 HOWARD S.C.O.

CERTIFICATION BY THE DEVELOPER
 "I certify that all development and or construction will be done according to this plan of development and plan for Erosion & Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this will not be made unless authorized by the Howard Soil Conservation District."
 Signature: William H. Hoffman DATE: 5-7-73
 SIGNATURE OF DEVELOPER

CERTIFICATION BY THE PROFESSIONAL ENGINEER
 "I 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: Robert Paulinsky DATE: 1-30-73
 SIGNATURE OF ENGINEER

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 7/31/73
 Signature: Thomas H. Harris



SEYBOLT GORE NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 1111 BONIFANT STREET
 SILVER SPRING, MARYLAND
 589-1111

FHA
 FEB 25 1973
 issued

COLLINS & KRONSTADT code 301
 LEAHY · HOGAN · COLLINS 587-8642
 architects · planners · engineers
 1111 spring street · silver spring, maryland

SEDIMENT CONTROL PLAN - PARCEL "D"
 VILLAGE OF LONGREACH - 6TH ELECTION DISTRICT
 PARCEL "D" SECTION: AREA 1 PLAT BOOK 13 FOLIO 60
 FINAL DEVELOPMENT PLAN PHASE 77 P. 12 FOLIOS 50-72 COLMD
 7069-A MARCH 1973 HOWARD

SC-2

SDP 73-85C