

GENERAL NOTES

- All materials and construction to be in accordance with Howard County Road Construction Code and Specifications.
- This plan is covered by Final Development Plan Phase 190.
- 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 CAP UNIT ADHERES TO TOP UNIT W/VERSALOK CONCRETE ADHESIVE.
- Topography was compiled from actual field survey.
- The area shown is located on Tax Map No. 36 Parcel 91.
- All driveways and parking to be privately owned and maintained.
- All coordinates are based on Howard County Geodetic Control Survey traverse which is based on the Maryland State Plane Coordinate System.
- Class "C" Trench bedding shall be used under all storm drains unless shown otherwise.
- 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 utility crossings, well in advance of construction.
- The Contractor/Developer shall contact the Construction Inspection, Survey Division 24 hrs. in advance of work 992-2417 or 792-7272.
- The developer agrees to work with the Dept. of Licenses & Inspections to resolve any problems caused by roof water discharge.
- All downspout drains shall be handled by one of these methods:
A. Downspout to splash blocks and discharged onto ground having good percolation.
B. Downspout in front of units piped to curb.
C. Downspout connected to storm drain.
- Handicap Parking Details to be in accordance with the "Maryland Building Code for the Handicapped" Sect. 5.01-7.05 and details sht 3.
- All setback requirements & criteria as shown on FDP 190, and as per Appro. Sketch Plan S-86-07.
- Storm Water Management Provided in a Central Facility in Village of Hickory Ridge, Section 5, Area 1, F-85-131
- See Also S-86-07's VP 86-18; F-86-44.

SITE ANALYSIS

- Zoning: New Town Apartments (FDP Phase 190)
- Area of Site: 12.736 Acres
- No. of Residential Units Permitted: 216 Proposed: 215 + 1 Office (See Note #7)
- Parking Spaces Required: 322 Provided: 327
- Building Coverage: 18.63%
- Carports are provided for 57 Parking Spaces as shown.
- SDP 86-06-C (Parcel A) has 132 Units Permitted, SDP 86-06-C (Parcel C) has 174 Units Permitted. This Plan (Parcel D) has 216 Units Permitted. Total Units (Parcels A, B, C, D) 522 Units Permitted as per FDP 190.

GENERAL NOTES (cont.)

18. PARKING GARAGES CAN ONLY BE USED FOR PARKING VEHICLES. THEY CAN NOT BE USED FOR STORAGE TO THE EXTENT THAT THE BAYS ARE UNUSABLE FOR PARKING.

7.11.08
FOR REVISION #2 ONLY
3.31.09 JMH

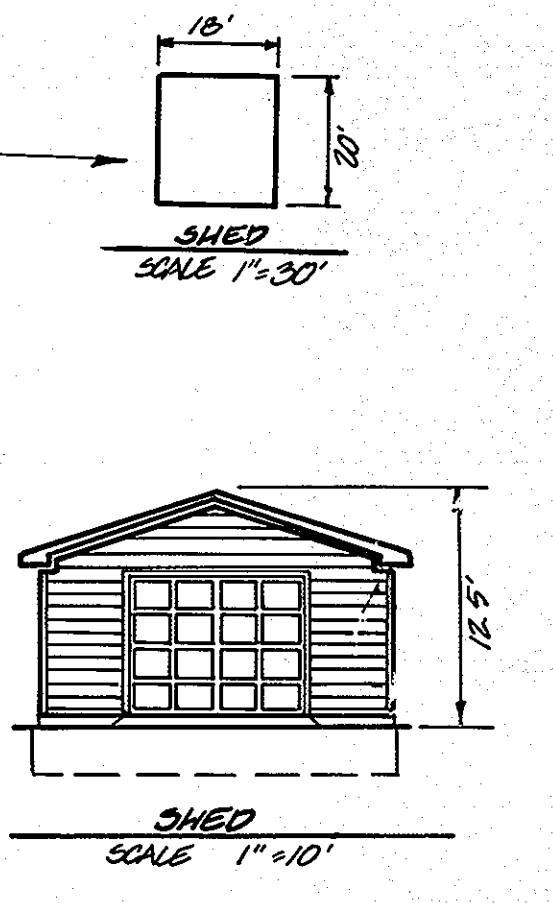
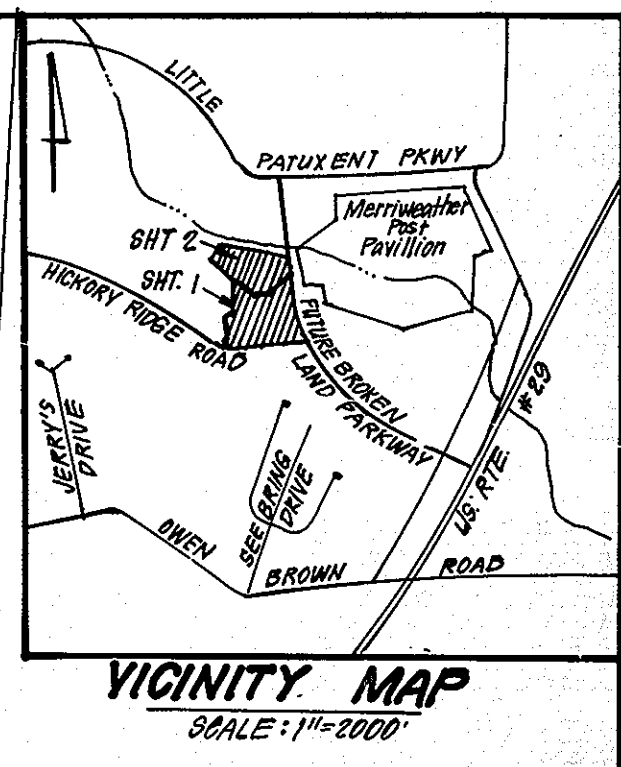
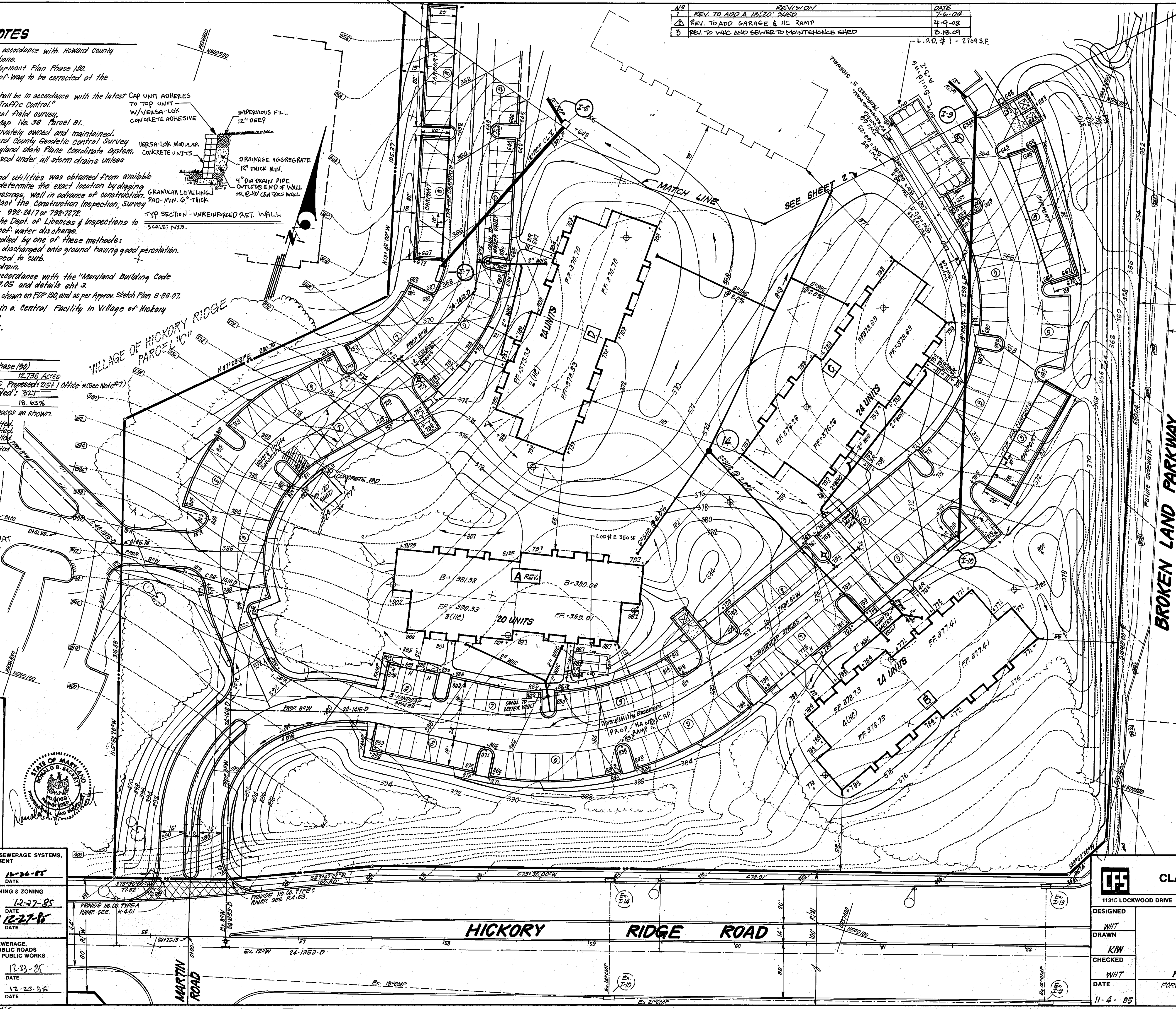
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11-27-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 12-26-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 12-27-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 12-23-85

NO.	REVISION	DATE
1	REV. TO ADD A 18'x20' SHED	7-6-08
2	REV. TO ADD GARAGE & HC RAMP	4-9-08
3	REV. TO WHC AND SEWER TO MAINTENANCE EHD	2-18-09



LEGEND:

- Contour Interval: 2 FT.
- Existing Contour: ---
- Proposed Contour: - - -
- Spot Elevation: +605
- Direction of Drainage: --->
- Existing trees to be saved: (tree symbol)
- Proposed Storm Drain: ---
- Proposed Sewer Line: ---
- Proposed Water Line: ---
- Test Boring Locations: (circle with cross)
- Benchmark Locations: (circle with dot)
- LIMIT OF DISTURBANCE: ---

BLDG#	STREET ADDRESS
A (REV)	10200 & 10202 Hickory Ridge Road
B	10206 & 10208 "
C	10212 & 10214 "
D	10218 & 10220 "
E	10224 & 10226 "
F	10218 & 10220 "
G	10230 & 10232 "
H	10236 & 10238 "
I	10242 & 10244 "

OWNER: HOWARD RESEARCH AND DEVELOPMENT CORP. 10275 Little Patuxent Parkway, Columbia, Md 21044

SUBDIVISION NAME	COL. Village of Hickory Ridge	SECT. AREA	5/2	LOT / PARCEL #	Parcel D
PLAT #	114	ZONE	7	TAX CODE MAP	5TH
WATER CODE	24-1416-D	SEWER CODE	24-1416-D	CENSUS TR.	6053-02

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: WHT
DRAWN: KIW
CHECKED: WHT
DATE: 11-4-85

SITE DEVELOPMENT PLAN
PARCEL D
COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 5 AREA 2
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

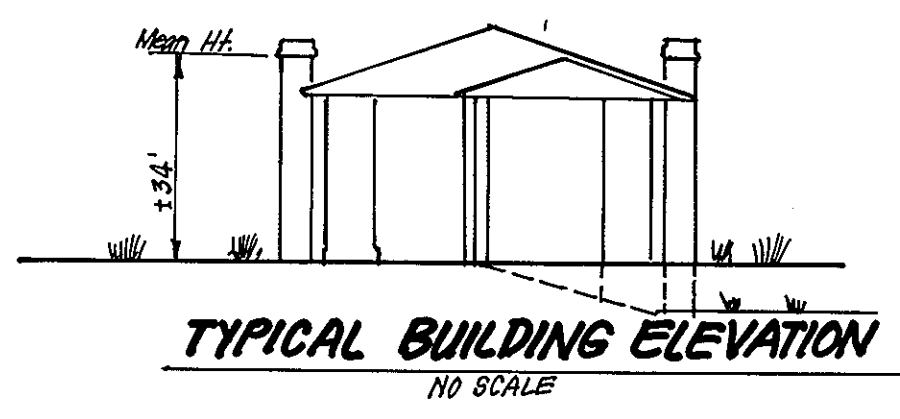
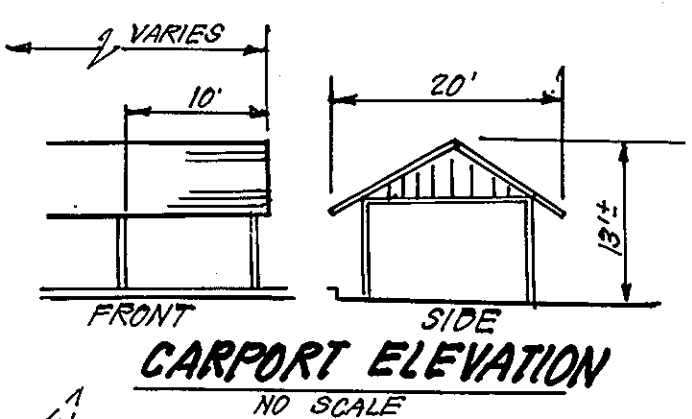
SCALE: 1/4"=30'
DRAWING: 10F 9
JOB NO.: 85-025
FILE NO.: 85-025-X

FOR: SHELTER DEVELOPMENT CORP. LTD.
One Lexington St. # 404
Baltimore MD 21024

SDP-86-108c

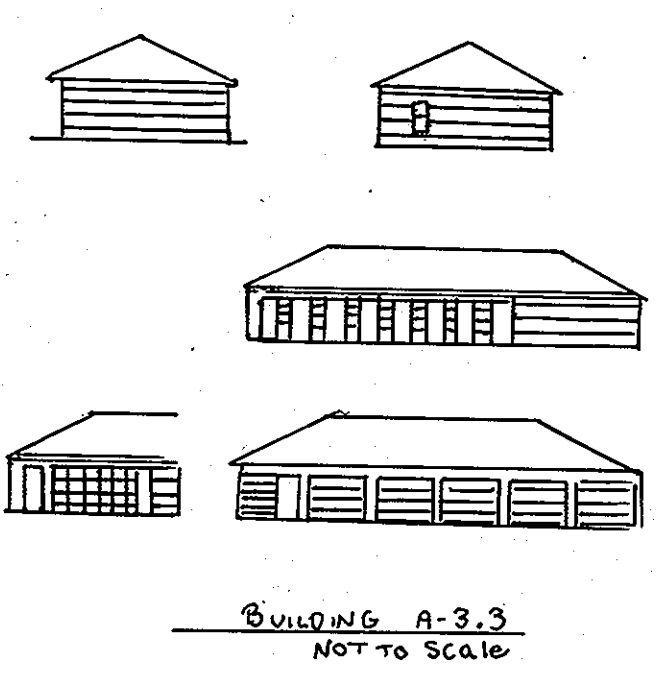
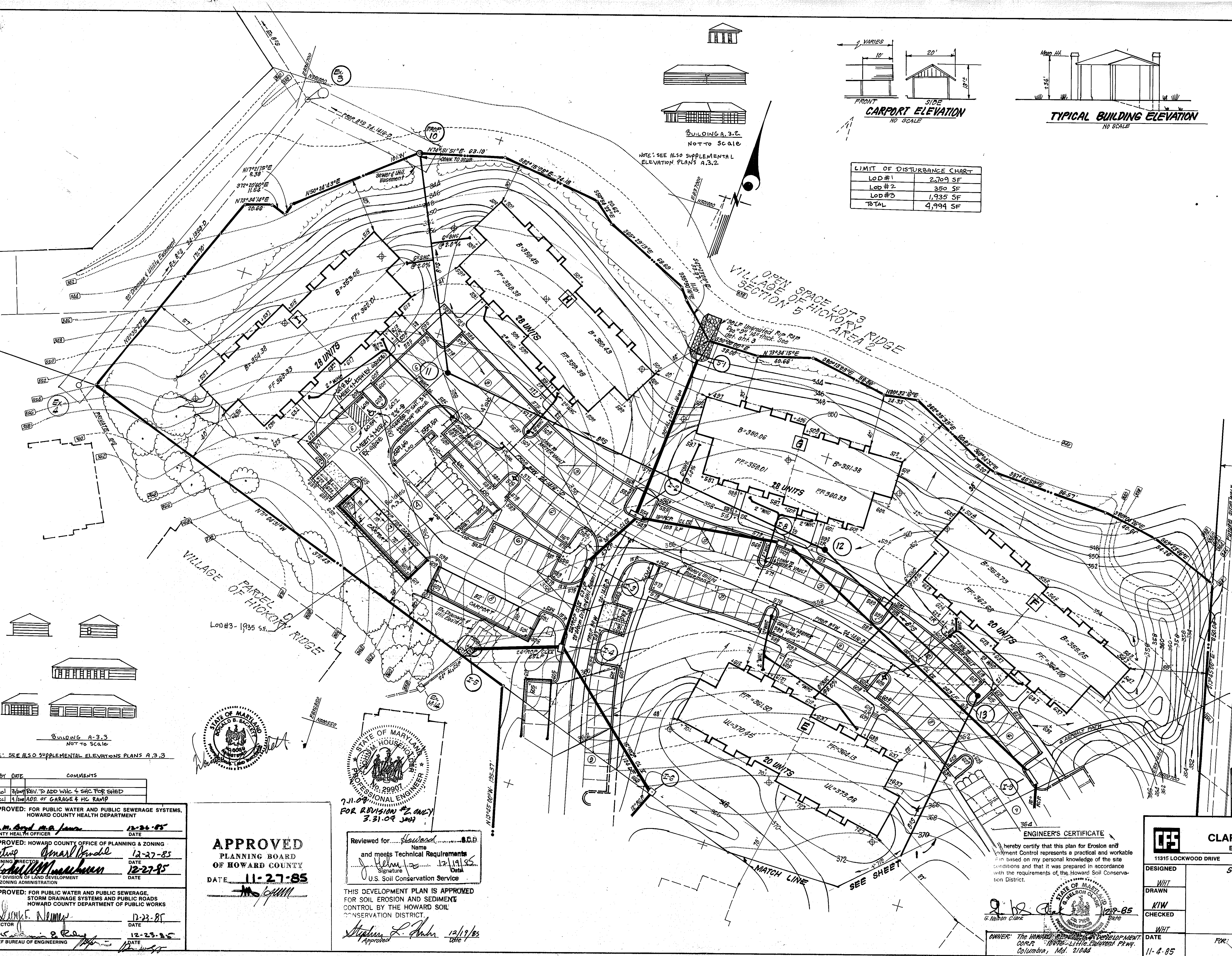
UNIT TYPE / AREA SCHEDULE					
BLDG #	1 B.R.	2 B.R.	3 B.R.	4 B.R.	TOTALS
A	3+1 Office	8+2 HC	5+1 HC	-	20
B	5+1 HC	10+2 HC	5+1 HC	-	24
C	6	12	6	-	24
D	5+1 HC	12	-	5+1 HC	24
E	6	10	-	4	20
F	4	10	6	-	20
G	20	-	8	-	28
H	6	14	8	-	28
I	6	14	8	-	28
TOTALS	63+1 Office	34	48	10	215+1 Office

NOTE: 3 HANDICAP UNITS (HC) PROVIDED



LIMIT OF DISTURBANCE CHART	
Lot #1	2,709 SF
Lot #2	350 SF
Lot #3	1,935 SF
TOTAL	4,994 SF

NOTE: SEE ALSO SUPPLEMENTAL ELEVATION PLANS A.3.2



NOTE: SEE ALSO SUPPLEMENTAL ELEVATIONS PLANS A.3.3

REV. BY	DATE	COMMENTS
2	12-27-85	REV. TO ADD W/C & S/C FOR SHED
1	12-27-85	ADD. OF GARAGE & HC RAMP

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: FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: **11-27-85**

STATE OF MARYLAND
PROFESSIONAL ENGINEER
No. 29907
7-11-09
FOR REVISION #2 ONLY
3-31-09 JMH

Reviewed for: *Howard* Name: *Howard* S.C.D.
and meets Technical Requirements
Signature: *[Signature]* Date: *12/19/85*
U.S. Soil Conservation Service

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

Stephen L. Fisher 12/19/85
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 are deemed necessary."

Mark J. [Signature] 12-9-85
Signature of Developer/Builder Date

SUBMISSION NAME	COLUMBIA	SECT./AREA	5/2	LOT/PARCEL#	PARCEL D
PLAT # or 4/F	BLDG #	ZONE	TAXI ZONE MAP	ELEC. DIST.	GENSUS TR.
6503	7	APF	36	5TH	6053.003
WATER CODE	SEWER CODE				
24-1416-D	24-1416-D				

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 12-9-85
6 Nelson Clark Date

OWNER: The HOWARD DEVELOPMENT CORP.
10876-11116 Chelver Park Way
Columbia, Md. 21044

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: *[Signature]*
DRAWN: *[Signature]*
CHECKED: *[Signature]*
DATE: 11-4-85

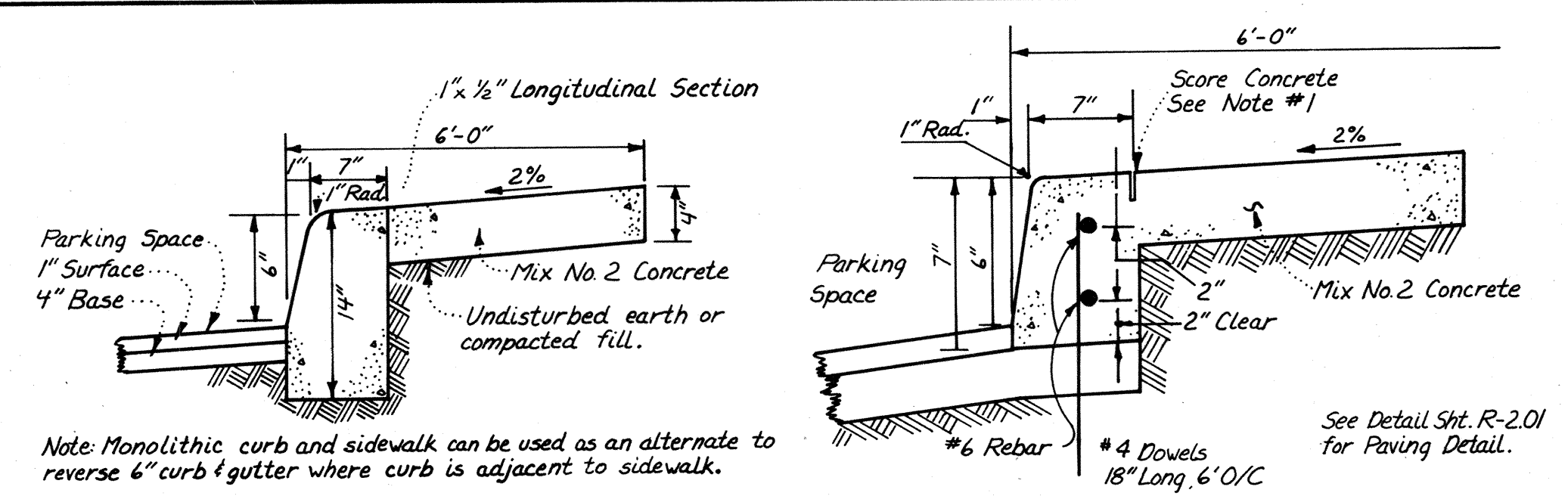
SITE DEVELOPMENT PLAN
PARCEL D

COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 5 AREA 2
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: SHELTER DEVELOPMENT CORP. LTD.
One LENOX FORT ST. #400A
Capitol Hill, Md. 21024
SDP-86-108c

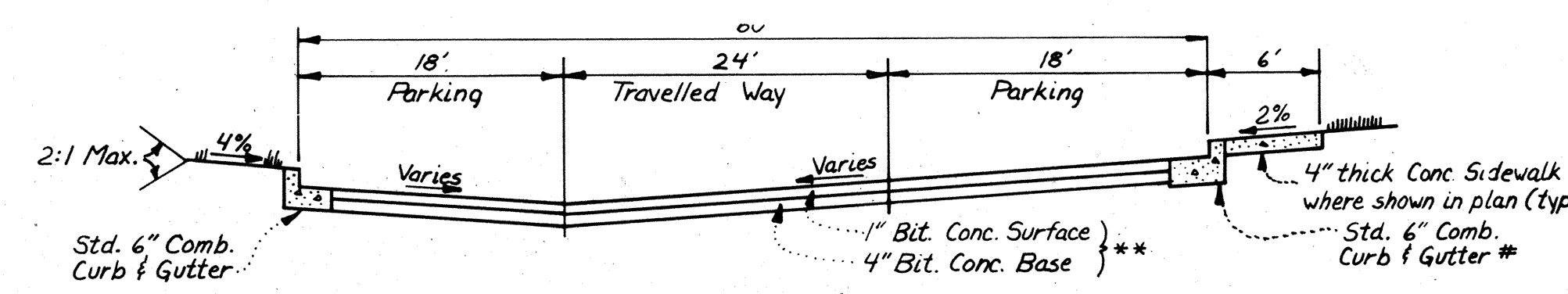
SCALE: 1"=30'
DRAWING: 2 OF 3
JOB NO.: 85-025
FILE NO.: 85-025-X

Notes:
 1. Longitudinal joint between sidewalk & curb shall be continuous and to a depth of 1/4 the thickness of the sidewalk or 1" longitudinal joints shall run from back edge of sidewalk continuous to the bottom face of curb to a depth of 1/4 the sidewalk thickness or 1" and spaced 5' apart.
 2. Provide 1/2" expansion joints at 15' intervals. In longitudinal joints to full cross-section.

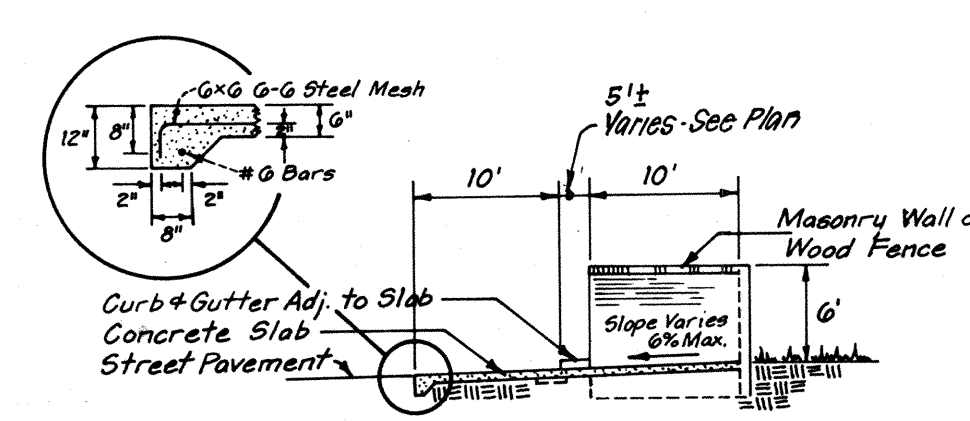


MONOLITHIC CURB & SIDEWALK - PRIVATE PARKING AREA
NO SCALE

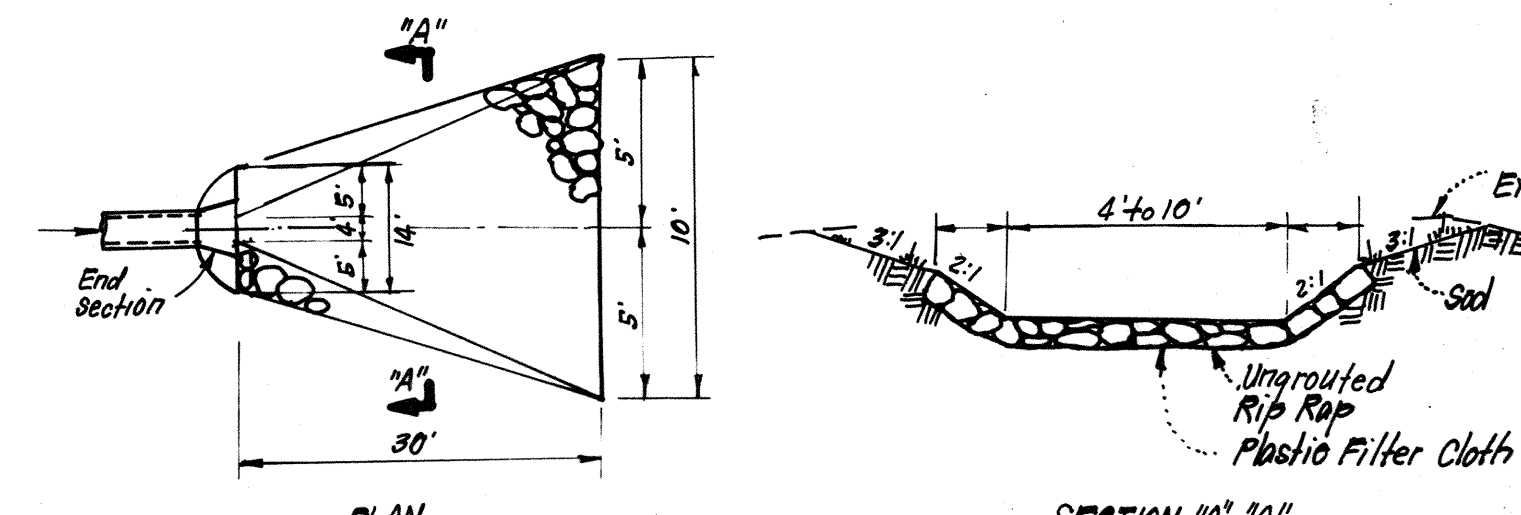
ALTERNATE SECTION
NO SCALE



TYPICAL SECTION PRIVATE DRIVE & PARKING
NO SCALE

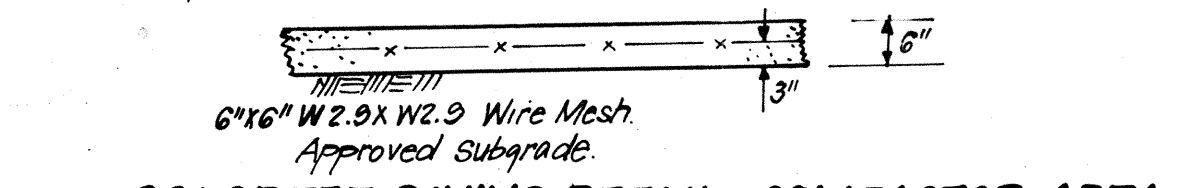


DUMPSTER PAD & ENCLOSURE
NO SCALE

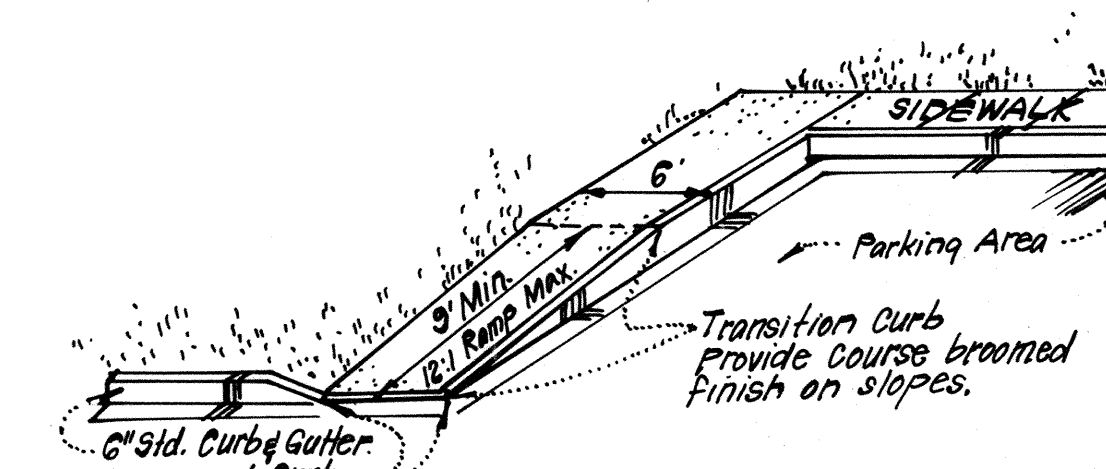


OUTLET DITCH DETAIL
NO SCALE

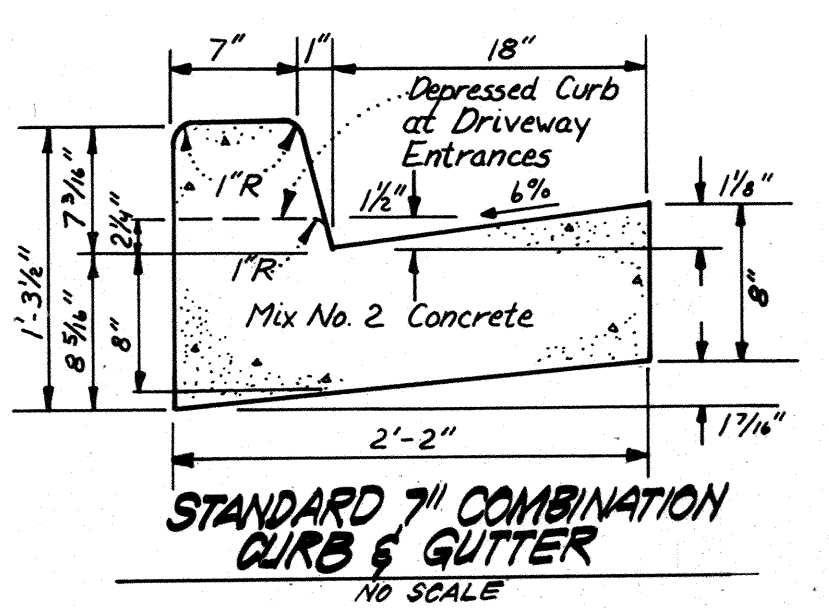
Notes:
 1. Materials and construction to be in accordance with Ho. Co. Slab & Specs.
 2. See plan view for limits of conc. paving, shown thus: [hatched pattern]



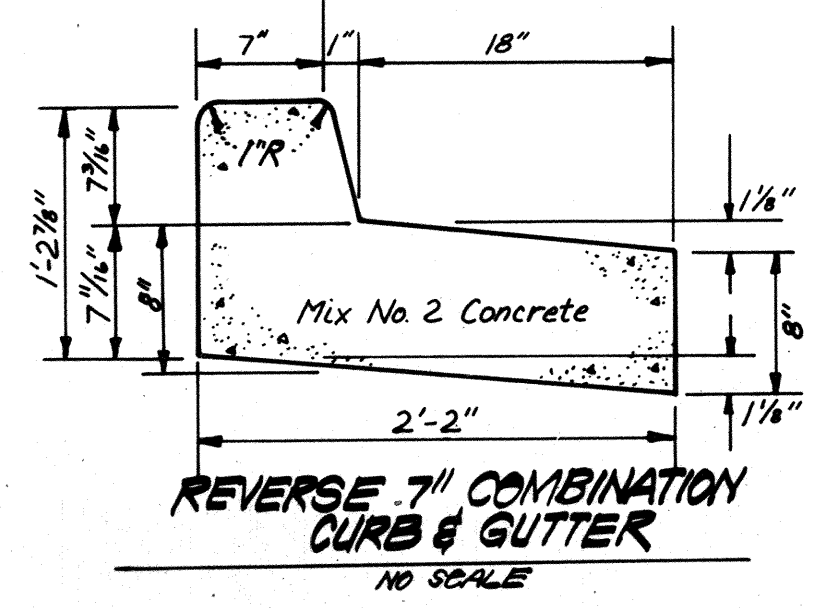
CONCRETE PAVING DETAIL - COMPACTOR AREA
NO SCALE



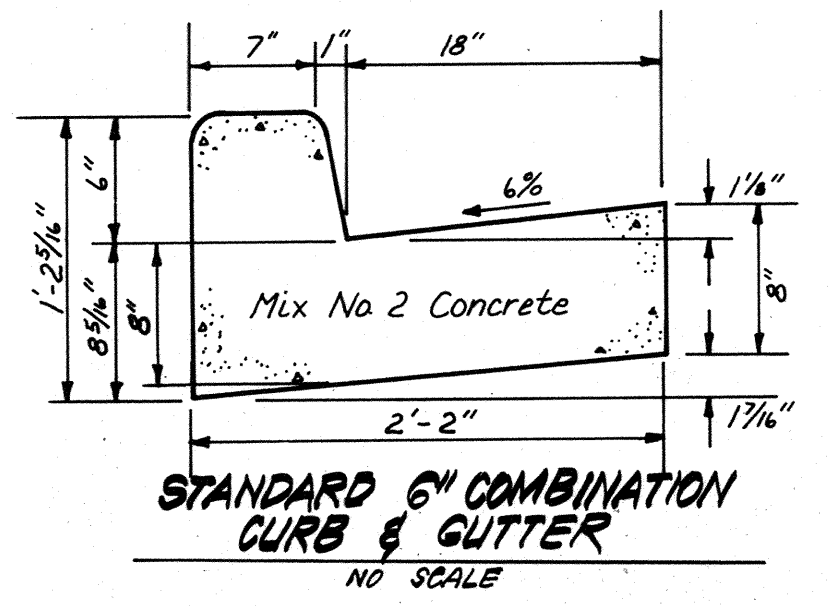
HANDICAP RAMP DETAILS
NO SCALE



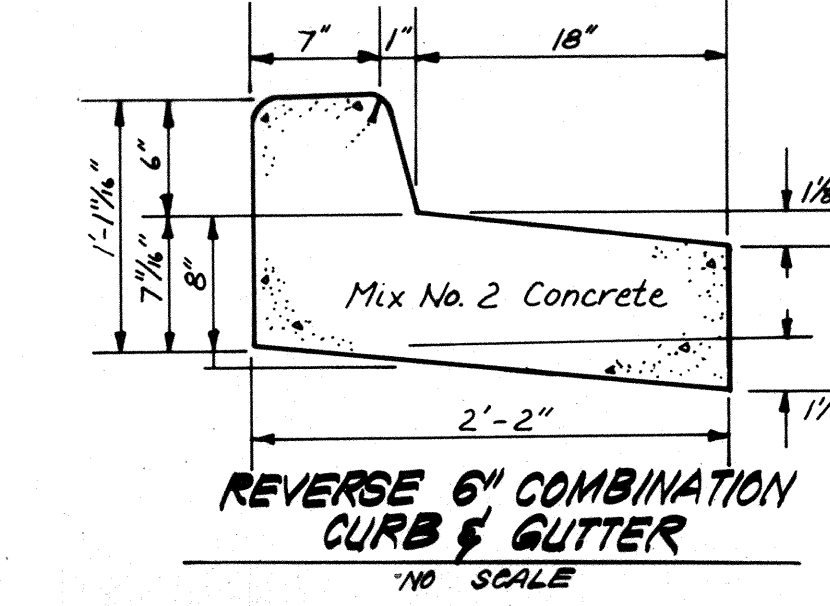
STANDARD 7" COMBINATION CURB & GUTTER
NO SCALE



REVERSE 7" COMBINATION CURB & GUTTER
NO SCALE



STANDARD 6" COMBINATION CURB & GUTTER
NO SCALE



REVERSE 6" COMBINATION CURB & GUTTER
NO SCALE

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 11-27-85

Bituminous Conc. Surface	1 1/2"
Bituminous Conc. Base	1 1/2"
Bituminous Conc. Base	5"

PAVING SECTION FOR PUBLIC ROADS
NO SCALE
(SECTION P-3)

Bituminous Conc. Surface	1"
Bituminous Conc. Base	2"
Prime	5"
5" Crusher Run Base Course	or
4" Dense Graded Stabilized Aggregate Base Course	4"

ALTERNATE PAVING SECTION FOR PARKING AREAS
NO SCALE
(SECTION P-1)

Bituminous Conc. Surface	1 1/2"
Bituminous Conc. Base	4 1/2"
Prime	6"
6" Crusher Run Base Course	or
4" Dense Graded Stabilized Aggregate Base Course	4 1/2"

ALTERNATE PAVING SECTION FOR MAJOR & MINOR COLLECTOR
NO SCALE
(SECTION P-3)

Reviewed for Howard Name Howard S.C.D.
 and meets Technical Requirements
 Signature J. Helm Date 12-19-85
 U.S. Soil Conservation Service

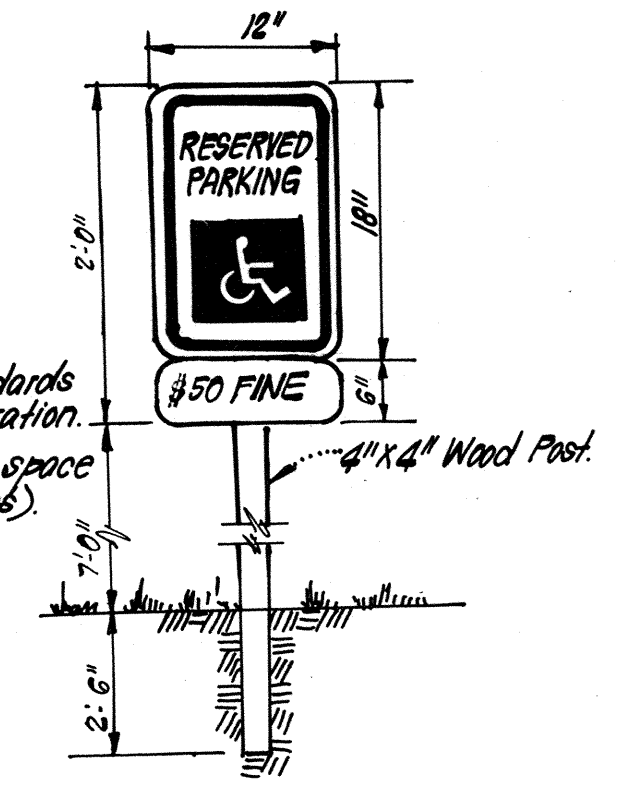
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature Stephen L. Helm Date 12-19-85

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 Date 12-29-85

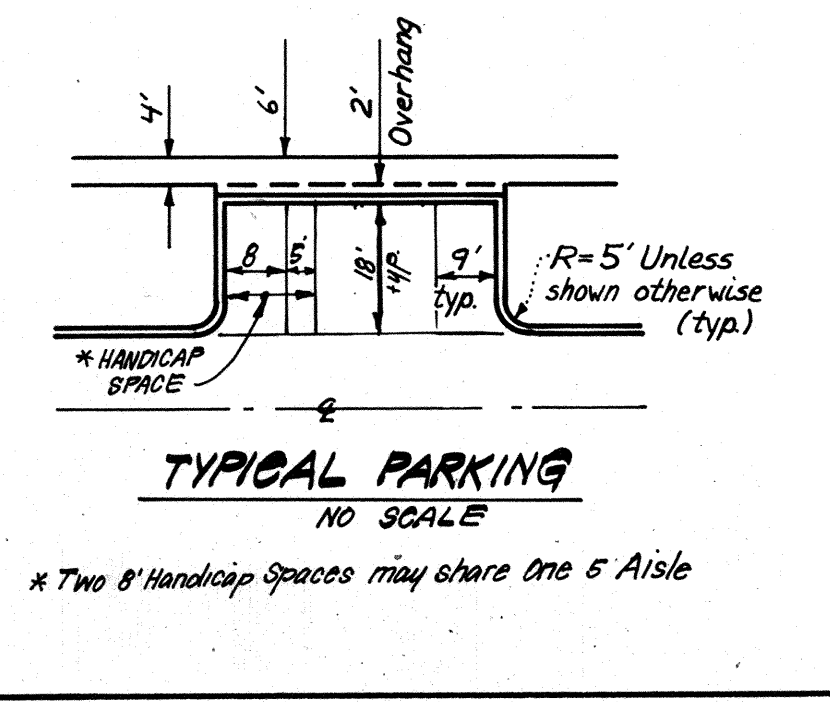
NOTE:
 1. Sign shall meet design standards of Federal Hwy. Administration.
 2. One required per parking space placed as shown (8 spaces).



HANDICAP PARKING SIGN DETAIL
NO SCALE

DEVELOPER'S/BUILDER'S CERTIFICATE
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 Signature Mark J. Smith Date 12-9-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER John A. ... DATE 12-26-85
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR Samuel ... DATE 12-27-85
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR ... DATE 12-27-85
 CHIEF BUREAU OF ENGINEERING ... DATE 12-27-85



TYPICAL PARKING
NO SCALE

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

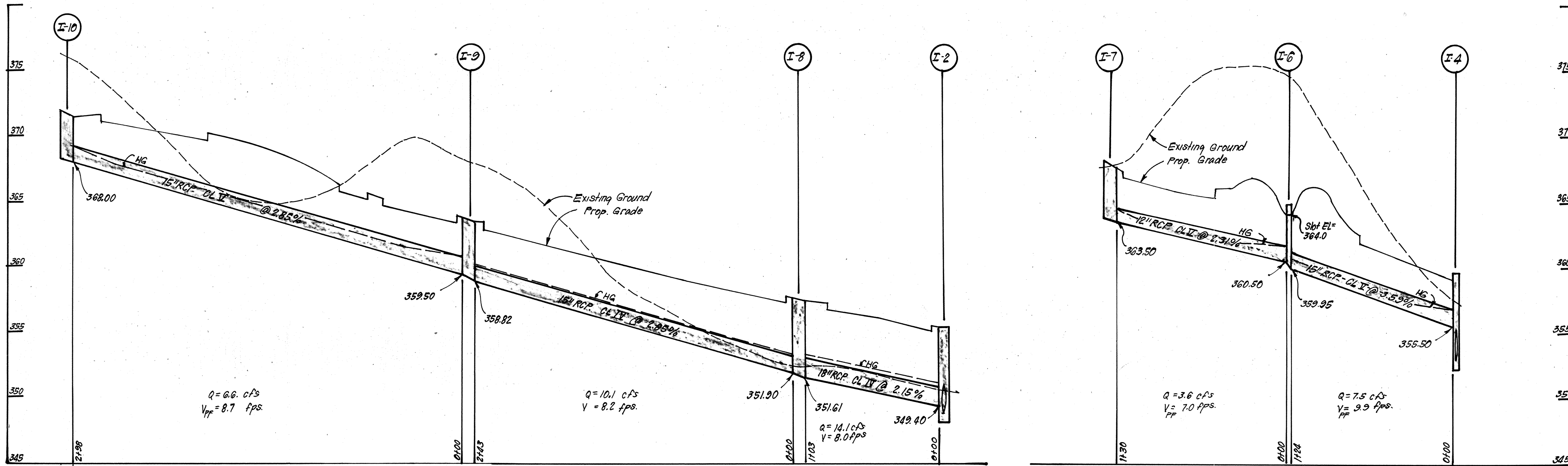
DESIGNED VLS
 DRAWN K/W
 CHECKED VLS
 DATE 11-4-85

SITE DEVELOPMENT PLAN
 PARCEL D
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 5 AREA 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: SHELTER DEVELOPMENT CORP., LTD.
 One Lexington St. Suite 402
 Baltimore Md. 21024

SCALE AS SHOWN
 DRAWING 3 OF 9
 JOB NO. 85-025
 FILE NO. 85-025-X

SDP-86-108c



STRUCTURE SCHEDULE

No.	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
S-1	Metal End Section	341.73	341.50	-	-	Ho. Co. Std. SD 5.61	30" Dia. See Plan
I-2	A-10 Inlet	348.40	348.21	355.40	-	" " " SD 4.02	W=2'-6" " "
* I-3	A-5 Inlet w/Deflectors	350.70	350.35	357.27	357.03	" " " SD 4.01	W=3'-6" " "
* I-4	A-5 Inlet w/Deflectors	352.50	352.15	359.63	359.41	" " " SD 4.01	W=3'-6" " "
* I-5	D Inlet	Ex. 354.13	353.93	358.53	-	" " " SD 4.11	48" Dia. " "
* I-6	D Inlet	360.50	359.95	364.83	-	" " " SD 4.11	2'-6" Dia. " "
* I-7	A-10 Inlet w/Deflectors	-	363.50	368.22	367.61	" " " SD 4.02	W=2'-6" " "
I-8	A-10 Inlet	351.90	351.61	357.62	357.40	" " " SD 4.02	W=2'-6" " "
I-9	A-10 Inlet	359.50	358.82	363.73	363.45	" " " SD 4.02	W=2'-6" " "
I-10	A-10 Inlet	-	368.00	371.94	371.50	" " " SD 4.02	W=2'-6" " "

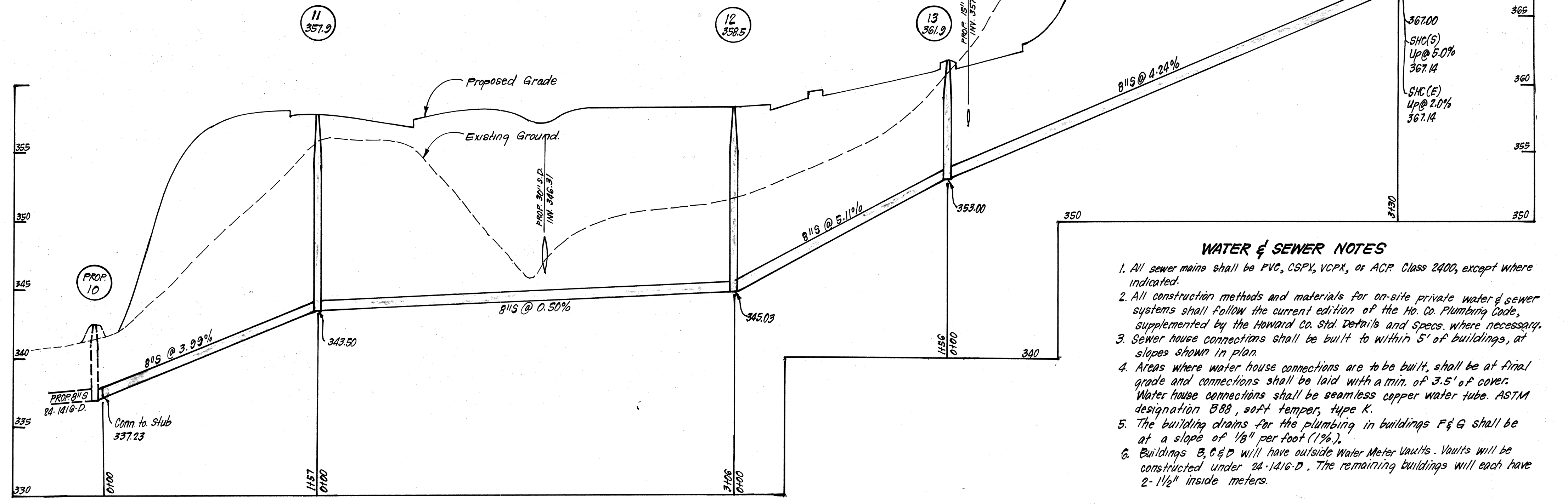
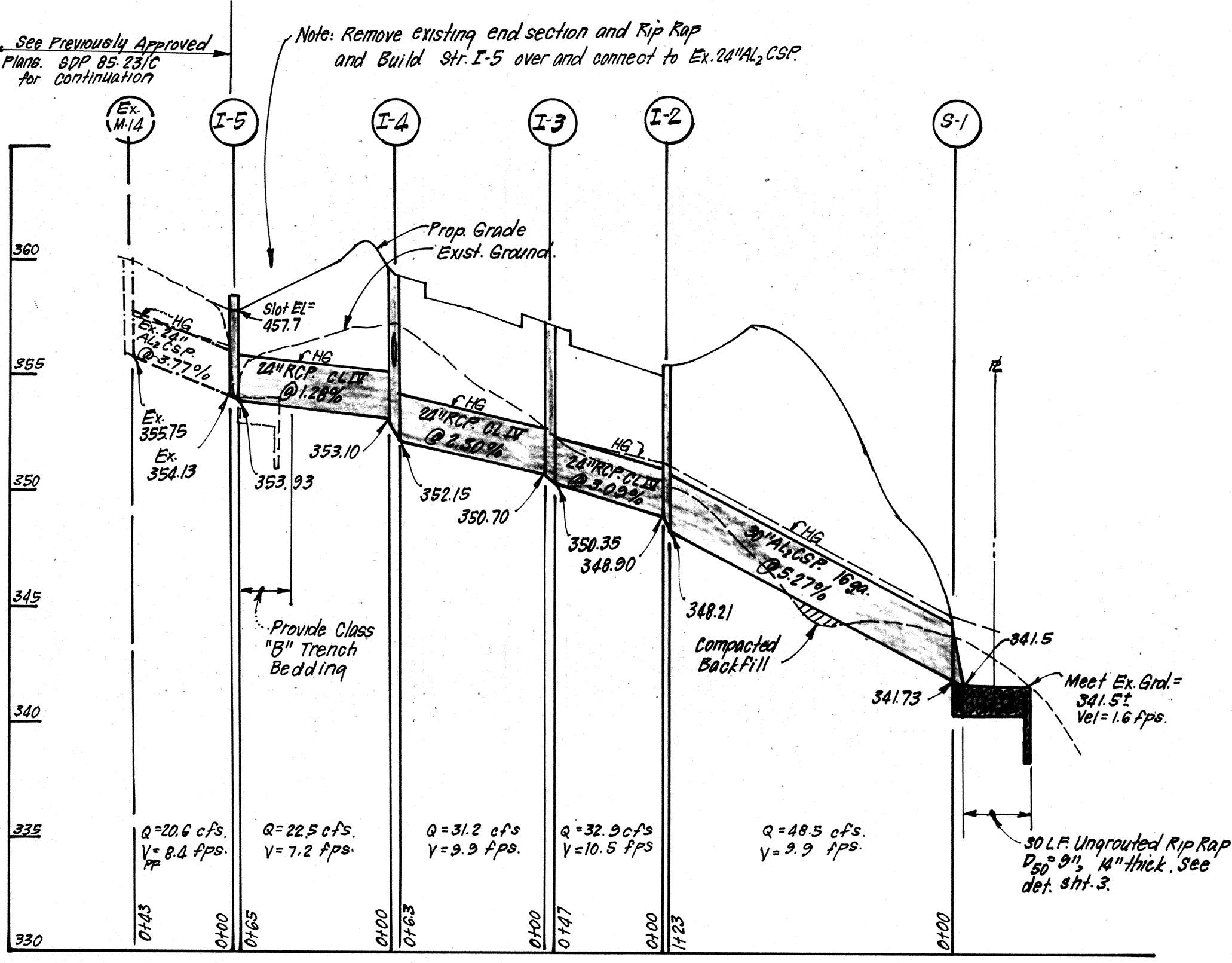
PIPE SCHEDULE

SIZE	TYPE	LENGTH
12"	RCP CL. IV	130 LF
15"	RCP CL. IV	422 LF
15"	RCP CL. IV	243 LF
18"	RCP CL. IV	103 LF
24"	RCP CL. IV	175 LF
* 30"	AL ₂ CSP 16ga.	123 LF

2 3/4" X 1/8" Corrugations. Notes: CMP w/aluminized coating may be substituted for AL₂CSP.

STORM DRAINAGE PROFILES

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



SEWER PROFILE

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

WATER & SEWER NOTES

- All sewer mains shall be PVC, CSPX, VCPX, or ACP Class 2400, except where indicated.
- All construction methods and materials for on-site private water & sewer systems shall follow the current edition of the Ho. Co. Plumbing Code, supplemented by the Howard Co. Std. Details and Specs. where necessary.
- Sewer house connections shall be built to within 5' of buildings, at slopes shown in plan.
- Areas where water house connections are to be built, shall be at final grade and connections shall be laid with a min. of 3.5' of cover. Water house connections shall be seamless copper water tube. ASTM designation B88, soft temper, type K.
- The building drains for the plumbing in buildings F & G shall be at a slope of 1/8" per foot (1%).
- Buildings B, C & D will have outside Water Meter Vaults. Vaults will be constructed under 24-1416-D. The remaining buildings will each have 2-1/2" inside meters.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Jan. M. Boyd, M.D. / Jan. 12-26-85
 COUNTY HEALTH OFFICER / DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] / 12-27-85
 PLANNING DIRECTOR / DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] / 12-23-85
 DIRECTOR / DATE

APPROVED: PLANNING BOARD OF HOWARD COUNTY
 DATE 11-27-85

Reviewed for: Steward... S.C.D. Name
 and meets Technical Requirements
 [Signature] / 12/19/85
 U.S. Soil Conservation Service

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

[Signature] / 12-18-85
 Approved / Date

DEVELOPER'S/BUILDER'S CERTIFICATE

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[Signature] / 12-9-85
 Signature of Developer/Builder / Date

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] / 12-9-85
 PROFESSIONAL ENGINEER / DATE

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED: VLS
 DRAWN: KYN
 CHECKED: VLS
 DATE: 11-4-85

SITE DEVELOPMENT PLAN
 PARCEL "D"
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 5 AREA 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: SHELTER DEVELOPMENT CORP., LTD.
 One Lexington St. #402
 Baltimore, Md. 21024

SCALE: As Shown
 DRAWING: 40F3
 JOB NO.: 85-025
 FILE NO.: 85-025-X

SDP-86-108.C

NO	REVISIONS	DATE
1	REV. TO ADD A 18'x30' SHED	7-6-85
2	REV. TO ADD GARAGE AND HANDICAP RAMP	9-9-85



Reviewed for Name and meets Technical Requirements Signature Date U.S. Soil Conservation Service

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Approved Date 12-19-85

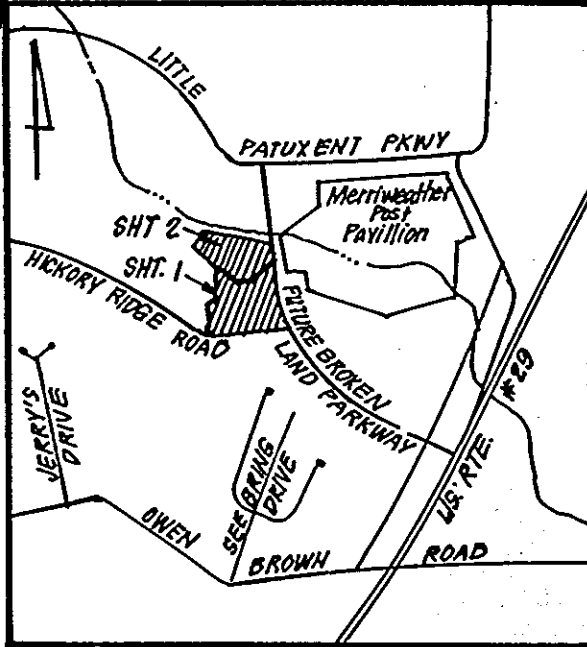
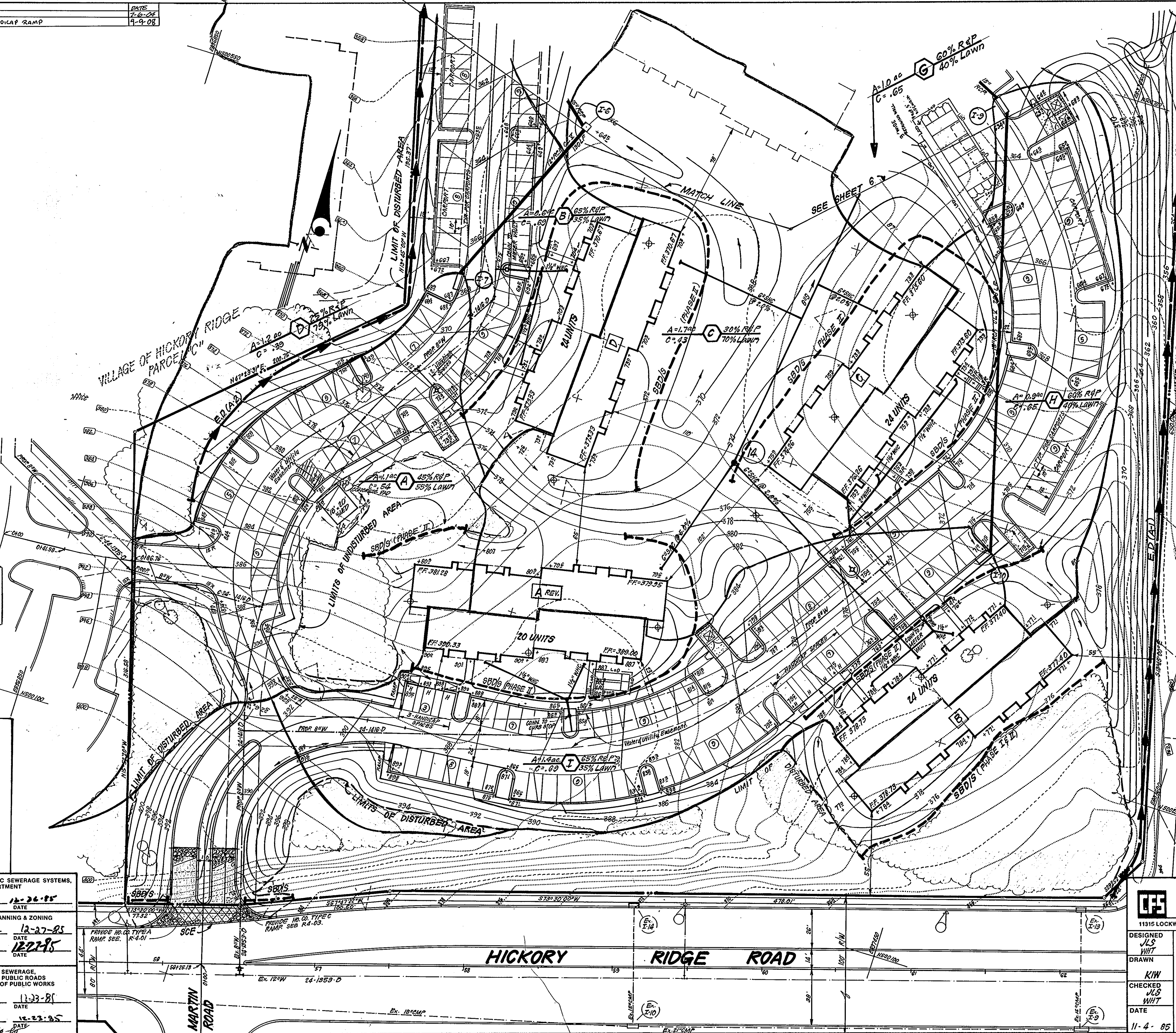
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11-27-85

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

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS



VICINITY MAP
SCALE: 1"=2000'

Sediment Control Notes
Silt Fence, Hay Bales or Equivalent shall be installed in the pavement around the limit of disturbance as directed by the sediment control inspectors.

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: Mark Joseph
Date: 11-5-85

- LEGEND:**
- 1. Contour Interval: 2 FT.
 - 2. Existing Contour: ---
 - 3. Proposed Contour: - - -
 - 4. Spot Elevation: 1605
 - 5. Direction of Drainage: --->
 - 6. Existing trees to be saved: (tree symbol)
 - 7. Proposed Storm Drain: ---
 - 8. Proposed Sewer Line: ---
 - 9. Proposed Water Line: ---
 - 10. Earth Dike: ---
 - 11. Straw Bale Dike or Silt Fence: ---
 - 12. Stabilized Construction Entrance: ---
 - 13. LIMIT OF DISTURBANCE: ---

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.

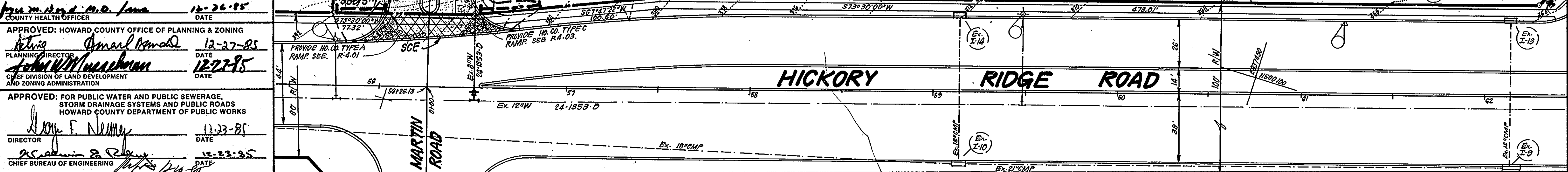
Signature: G. Nelson Clark
Date: 11-5-85

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

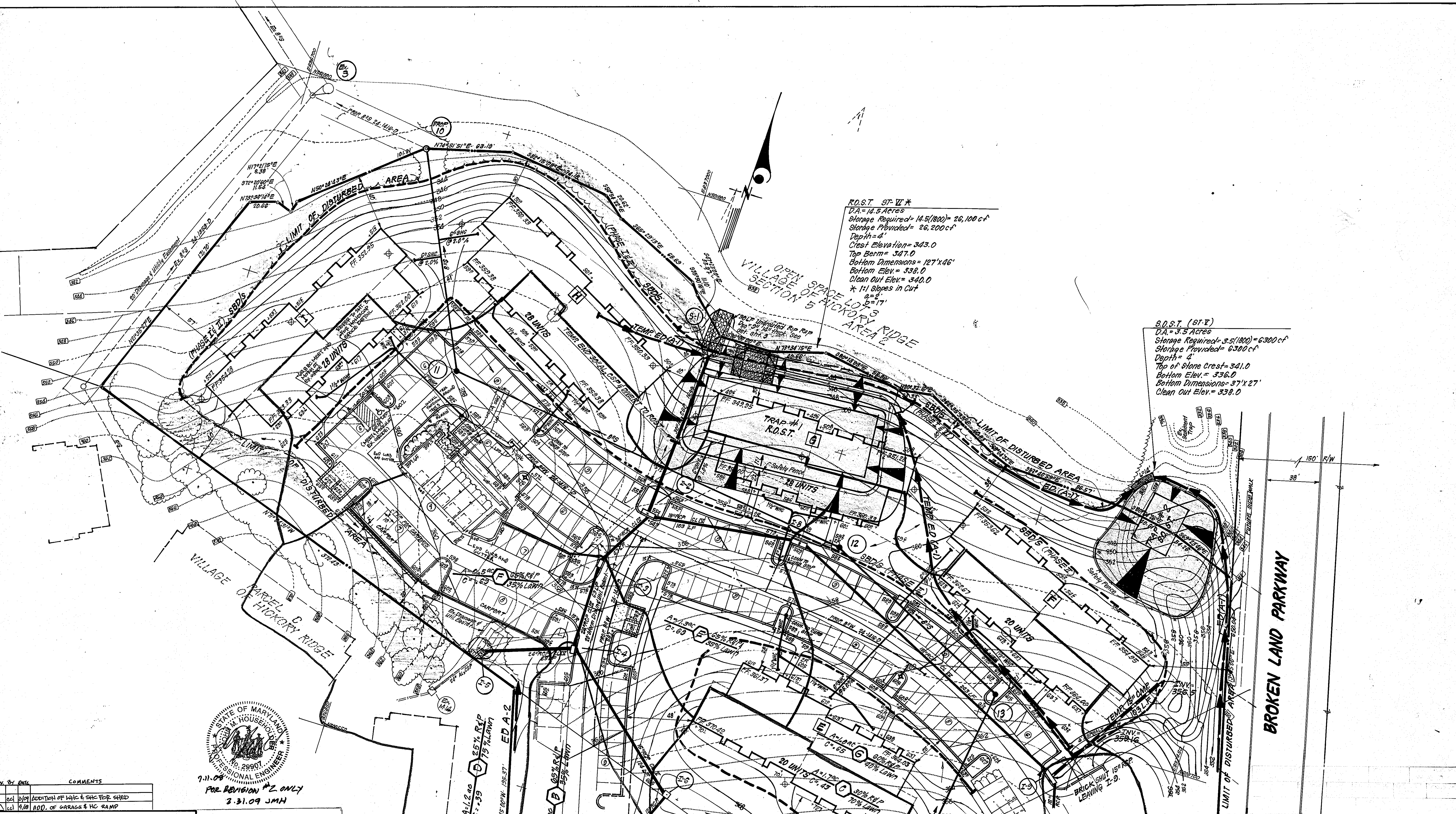
DESIGNED: JLS
CHECKED: JLS
DATE: 11-4-85

SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP
PARCEL D
COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 5
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FILE NO. 85-025
FILE NO. 85-0258E



SDP-86-108c



R.O.S.T. 97' W X
 D.A. = 14.5 Acres
 Storage Required = 14.5(1800) = 26,100 c.f.
 Storage Provided = 26,200 c.f.
 Depth = 4'
 Crest Elevation = 343.0
 Top Berm = 347.0
 Bottom Dimensions = 127' x 46'
 Bottom Elev. = 338.0
 Clean Out Elev. = 340.0
 * 1:1 Slopes in Cut
 a = 2'
 b = 17'

S.O.S.T. (87' V)
 D.A. = 3.5 Acres
 Storage Required = 3.5(1800) = 6300 c.f.
 Storage Provided = 6300 c.f.
 Depth = 4'
 Top of Stone Crest = 341.0
 Bottom Elev. = 336.0
 Bottom Dimensions = 37' x 27'
 Clean Out Elev. = 338.0



7-11-08
 FOR REVISION #2 ONLY
 2-31-09 JMH

REV. BY	DATE	COMMENTS
2	01/04	ADDITION OF WHC & SHC FOR SHED
1	04/88	ADD. OF GARAGE & HC RAMP

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *James G. G. G. G.* DATE: 12-26-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: *Amari D. Smith* DATE: 12-27-85
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *John W. Mueschman* DATE: 12-27-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *Michael A. Williams* DATE: 12-23-85
 CHIEF BUREAU OF ENGINEERING: *John P. Smith* DATE: 12-23-85

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 11-27-85
JMH

Reviewed for: *Howard M. Householder* S.C.D.
 Name
 and meets Technical Requirements
 Signature: *Howard M. Householder* Date: 12/11/85
 U.S. Soil Conservation Service

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

Stephen L. Fisher 12-19-85
 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 are deemed necessary."

Mark J. Smith 11-5-85
 Signature of Developer/Builder Date

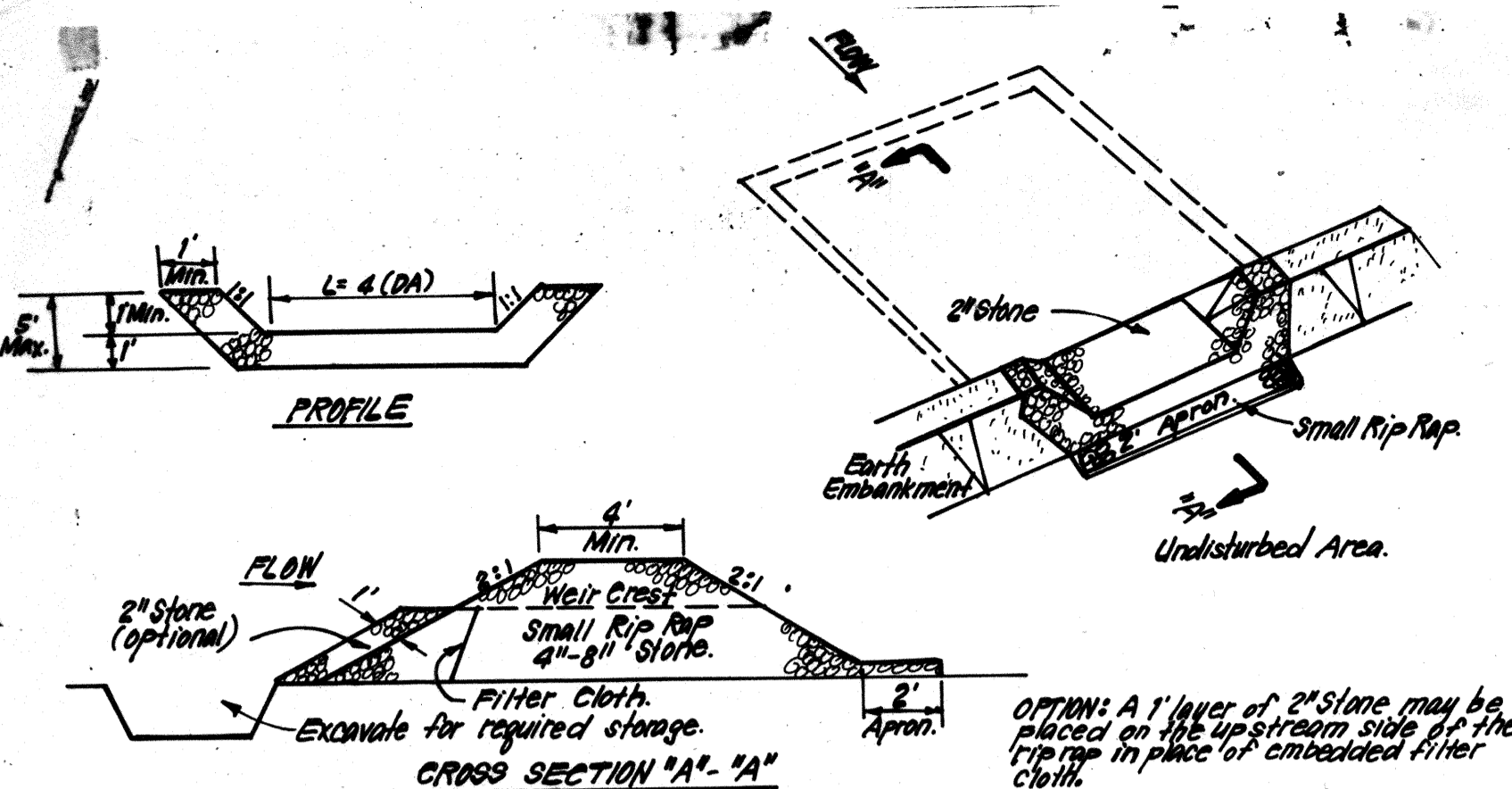
ENGINEER'S CERTIFICATE

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.

Clark Finefrock 11-5-85
 State of Maryland Professional Engineer No. 3242

OWNER: The HOWARD RESEARCH & DEVELOPMENT CORP.
 10275 LITTLE PATENT PKWY.
 Columbia, Md. 21044

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		SCALE	1"=30'	
		DRAWING	6.0F.9	
DESIGNED	JLS WHI	COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 5 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.	85-025
DRAWN	KIW		FILE NO.	85-025-3E
CHECKED	JLS WHI	DATE	11-4-85	FOR: SHELTER DEVELOPMENT, CORP. LTD. One Lexington St. #404 Baltimore, Md. 21082

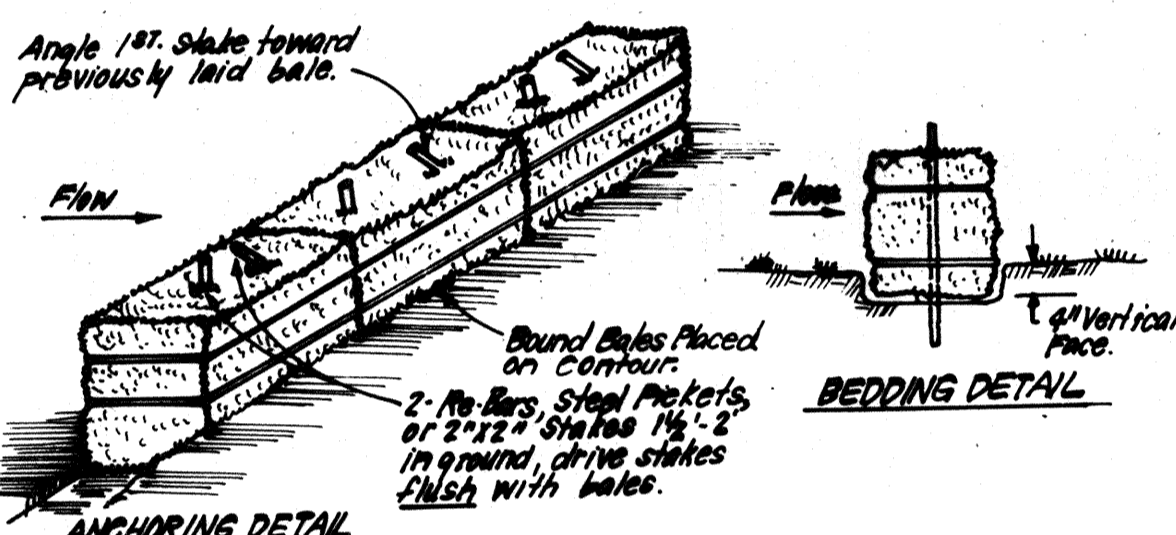


CONSTRUCTION SPECIFICATIONS:

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by hand using a tamper or vibrator while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. 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.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. 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.) ST.V.

NO SCALE

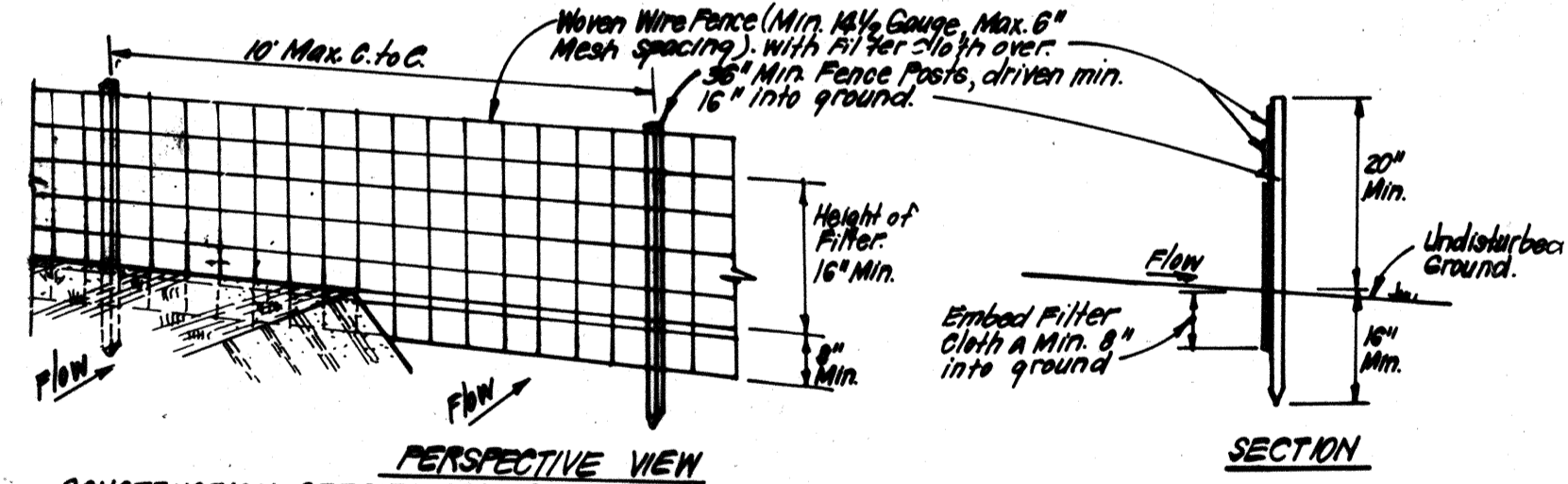


CONSTRUCTION SPECIFICATIONS:

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 re-bars driven thru the bale. The 1/2 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

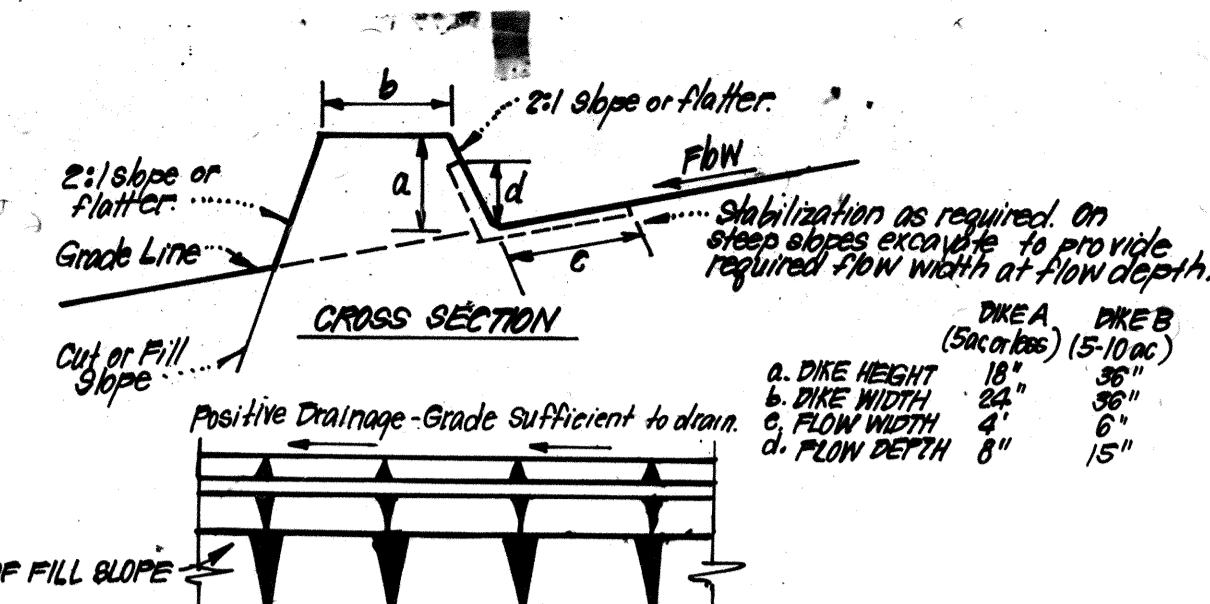


CONSTRUCTION SPECIFICATIONS:

1. Woven wire fence to be fastened securely to fence posts with wire ties at staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 30" at top and mid sections.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and fastened.
4. Maintenance shall be performed on needed and material removed when "bunches" develop in silt fence.

SILT FENCE DETAIL (S)

NO SCALE



CONSTRUCTION SPECIFICATIONS:

1. All dikes shall be compacted by earth-moving equipment.
2. All dikes shall have positive drainage to an outlet.
3. Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
4. Field location should be adjusted as needed to utilize a stabilized safe outlet.
5. 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 basin where either the dike chamber or the drainage area above the dike are not adequately stabilized.
6. 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

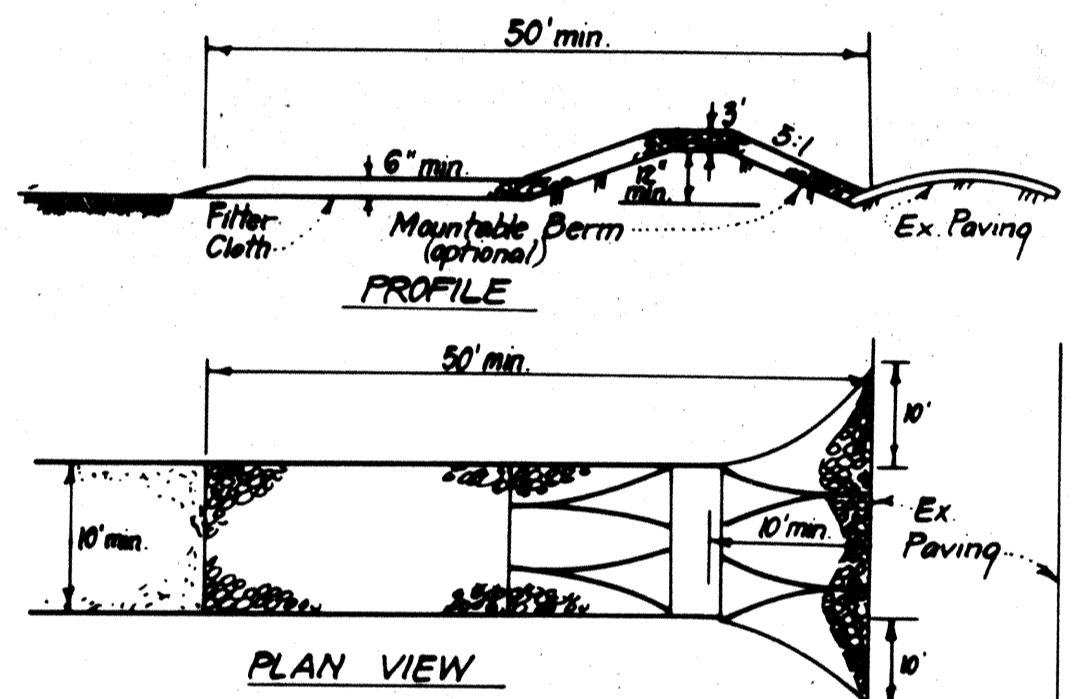
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch
2	3.1 - 5.0%	Seed & Straw Mulch	Seed, White, or Excelsior Spd, 2" Stone
3	5.1 - 8.0%	Seed, White, or Spd, 2" Stone	Lined Rip Rap 4"-8" Stone
4	8.1 - 20.0%	Lined Rip Rap 4"-8" Stone	Engineering Design

- A. Stone to be 2" Stone or recycled concrete equivalent in a layer at least 3" thick and be pressed into soil with construction equipment.
- B. Rip Rap to be 4"-8" in a layer at least 8" thick, pressed into soil.
- C. Approved equivalents can be substituted for any of the above materials.

PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN.

EARTH DIKE DETAIL (E.D.)

NO SCALE

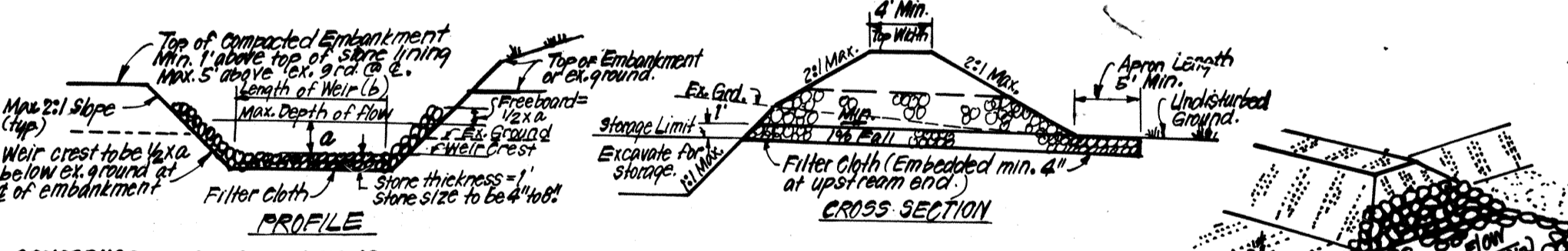


CONSTRUCTION SPECIFICATIONS:

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) feet 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 simple 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 mountable berm with 5:1 slope will be permitted.
7. Maintenance - The entrance shall be maintained in a condition, which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone be conditionally cleaned and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, 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 rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

NO SCALE



CONSTRUCTION SPECIFICATIONS:

1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by hand using a tamper or vibrator while it is being constructed. Max. height of embankment shall be 5' measured at 2' of embankment.
3. All fill slopes shall be 2:1 or flatter's cut slopes 1:1 or flatter.
4. Elevation of the top of any dike directing water into trap must equal or exceed height of embankment.
5. Storage area provided shall be formed by excavating the volume available behind the outlet channel up to an elevation of 1' below the lower weir crest.
6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least 1' with section nearest the entrance placed at top. Fabric shall be embedded at least 6" into existing ground at entrance of outlet channel.
7. Stone used in the outlet channel shall be 4"-8" in size to provide a filtering effect, a layer of filter cloth aggregate shall be placed on the upstream face of the outlet.
8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
9. The structure shall be inspected after each rain and repaired as needed.
10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
12. Drainage area for this practice is limited to 15 acres or less.

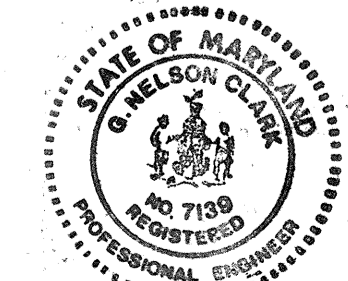
RIPRAP OUTLET SEDIMENT TRAP - ST-VI

NO SCALE

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 and the requirements of the Howard Soil Conservation District.

G. Nelson Clark 12-9-85 Date



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.

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 reseeding.

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.

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 ryegrass (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.

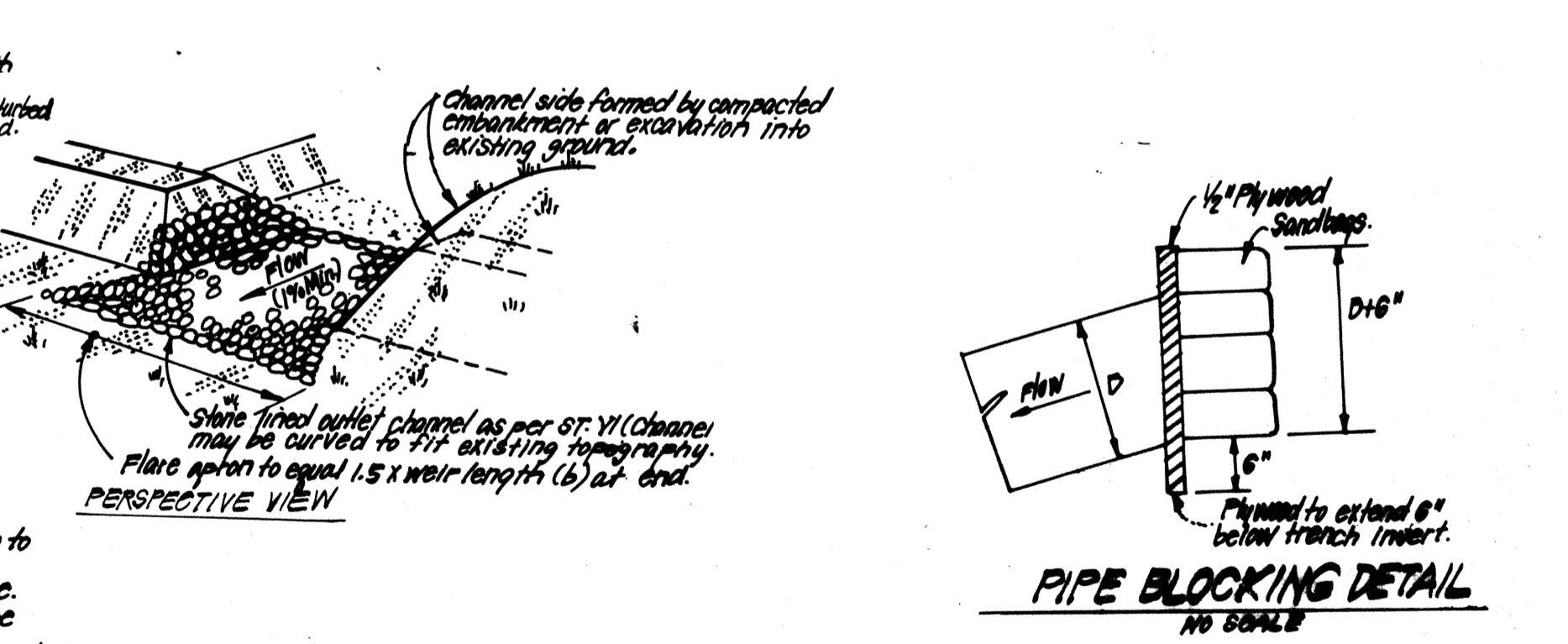
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

Construction Sequence (Phase I)

Construction Sequence (Phase I)	No. of Days
1. Obtain Grading Permit.	2
2. Install Sediment & Erosion Control Measures.	14
3. Clear and Rough Grade Site (Temporary ED's may be removed after drainage areas to the traps have been established).	30
4. Construct storm drainage, temporarily brick shut 15" RCP leaving 1-9 and install 15" CMP to divert water to Trap #2. Temporarily end 30" AL-CSP 16ga where shown in plan and divert water to Trap #1.	30
5. Construct Utilities.	60
6. Fine grade and Construct Paving and Bldg. pads except Building G.	120
7. Stabilize all disturbed areas onsite in accordance with standards and specs.	14
8. Upon approval of the Sediment Control Inspector remove sediment & erosion control measures and construct remaining storm drainage, remove temp. 15" CMP and blocking 8 1-9.	14

CONSTRUCTION SEQUENCE (Phase II)

CONSTRUCTION SEQUENCE (Phase II)	No. of Days
1. Install SBD's around building perimeters as shown.	14
2. Construct buildings.	240
3. Stabilize disturbed areas around buildings in accordance with standards and specs.	14
4. Upon approval of sediment control inspector, remove sediment & erosion control measures and stabilize.	14



PIPE BLOCKING DETAIL

NO SCALE

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

12-26-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

12-27-85

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

12-23-85

APPROVED PLANNING BOARD OF HOWARD COUNTY

11-27-85

Reviewed for: Howard S.C.

and meets Technical Requirements

12-19-85

U.S. Soil Conservation Service

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

12-19-85

DEVELOPER'S/BUILDER'S CERTIFICATE

I hereby 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.

12-9-85

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: JLS/WHIT

DRAWN: K/W

CHECKED: JLS/WHIT

DATE: 11-4-85

SCALE: 1/4" = 30'

DRAWING: 704-9

JOB NO.: 85-085

FILE NO.: 85-0258E

SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP

COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 5 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FORT SHELTER DEVELOPMENT CORP. LTD. One Lexington Sq. # 404 Baltimore, Md 21224

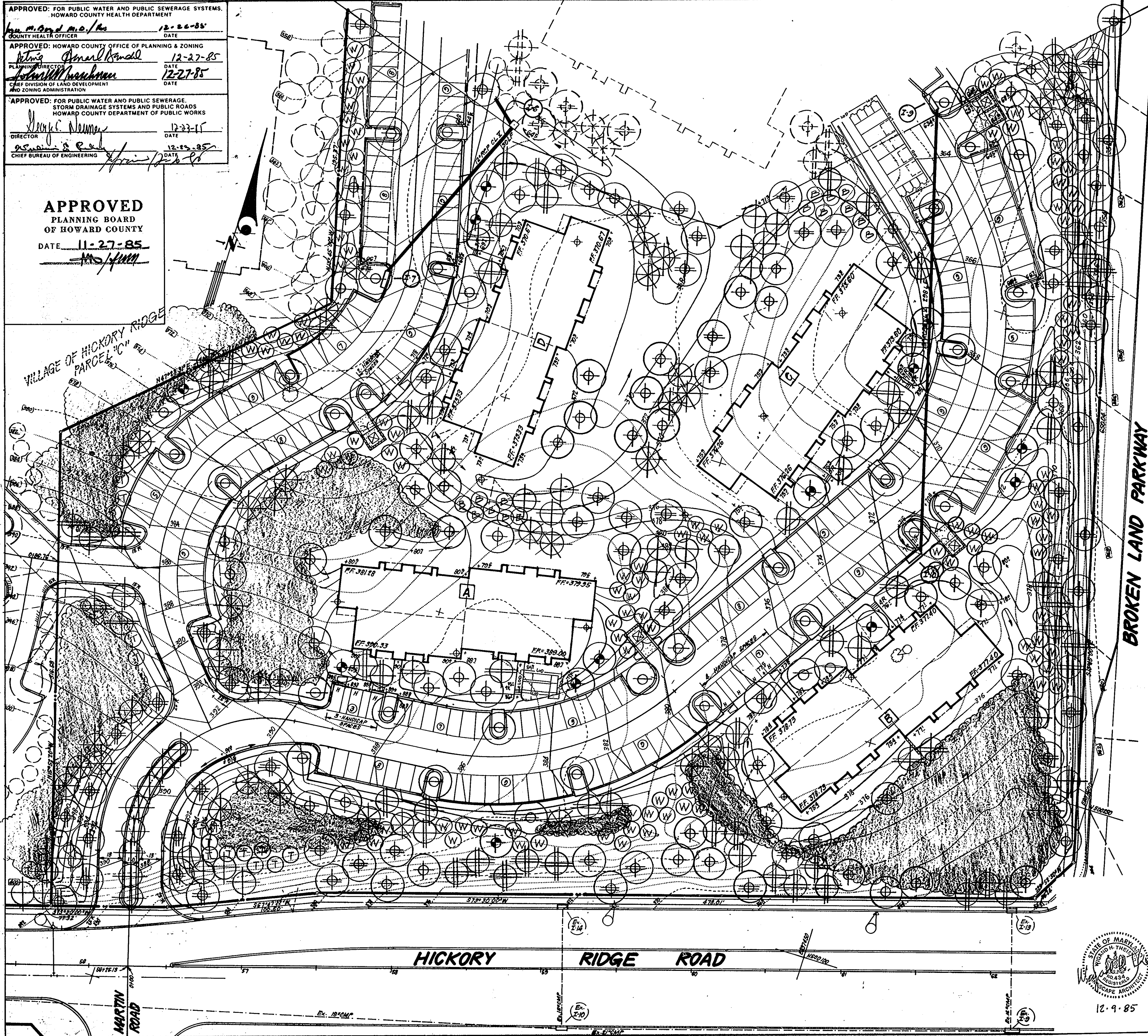
SDP-86-108.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER *[Signature]* DATE 12-22-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR *[Signature]* DATE 12-27-85
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR *[Signature]* DATE 12-27-85
CHIEF BUREAU OF ENGINEERING *[Signature]* DATE 12-27-85

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11-27-85
[Signature]

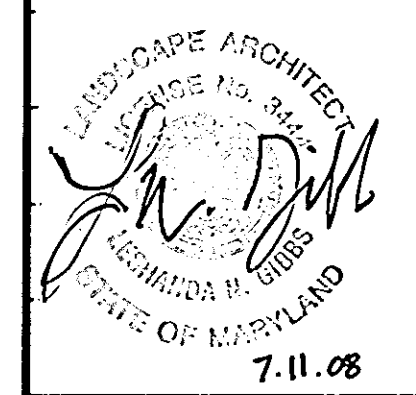


PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
⊕	ACEP RUBRUM 'RED SUNSET'	2 1/2-3' CAL	96	B & B
⊕	RED SUNSET MAPLE	12-14' HT		HEAVY HEADS
⊕	QUERCUS PALUSTRIS		66	
⊕	PIN OAK			
⊕	LIQUIDAMBER STYRAUFLUA		20	
⊕	SWEETGUM			
⊕	QUERCUS PUBPA		78	
⊕	NORTHERN RED OAK			
⊕	ZELKOVA S. 'VILLAGE GREEN'		14	
⊕	VILLAGE GREEN ZELKOVA			
⊕	PRUNUS SEPP. 'KWANZA'	2-2 1/2' CAL	45	B & B
⊕	KWANZA CHERRY	8-10' HT		HEAVY HEADS
⊕	MALUS SNOWCLOUD		45	
⊕	SNOWCLOUD CRABAPPLE			
⊕	MALUS PINN PERFECTION		56	
⊕	PINN PERFECTION CRAB			
⊕	AMELANCHIER CANDENSIS		53	
⊕	SERVICEBERRY			
⊕	CRATAEGUS PHAENOPYRUM		19	
⊕	WASHINGTON HAWTHORN			
⊕	PINUS STROBLIS	6-8' HT	144	B & B HEAVY
⊕	EASTERN WHITE PINE			
⊕	PINUS THUNDERBOLT		15	
⊕	JAPANESE BLACK PINE			
⊕	TSUGA CANADENSIS		19	
⊕	CANADIAN HEMLOCK			

NOTE: ALL TREES REMOVED AS A RESULT OF THE PROPOSED IMPROVEMENT WILL BE REPLACED IN KIND ON SITE AND SATISFY THE MINIMUM PLANTING SPECIFICATIONS OF THE APPROVED HOWARD COUNTY LANDSCAPE MANUAL.

LEGEND
 LIMIT OF DISTURBANCE —LOD—
 TREE PROTECTION FENCE —TPF—



REV. BY	DATE	REVISIONS
cc	9/20/85	ADD OF GARAGE & HC RAMPS

NOTE 3

- CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
- ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH COLUMBIA HHD PLANTING SPECIFICATIONS.
- SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT (553-3400).

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE, SILVER SPRING, MARYLAND 20904

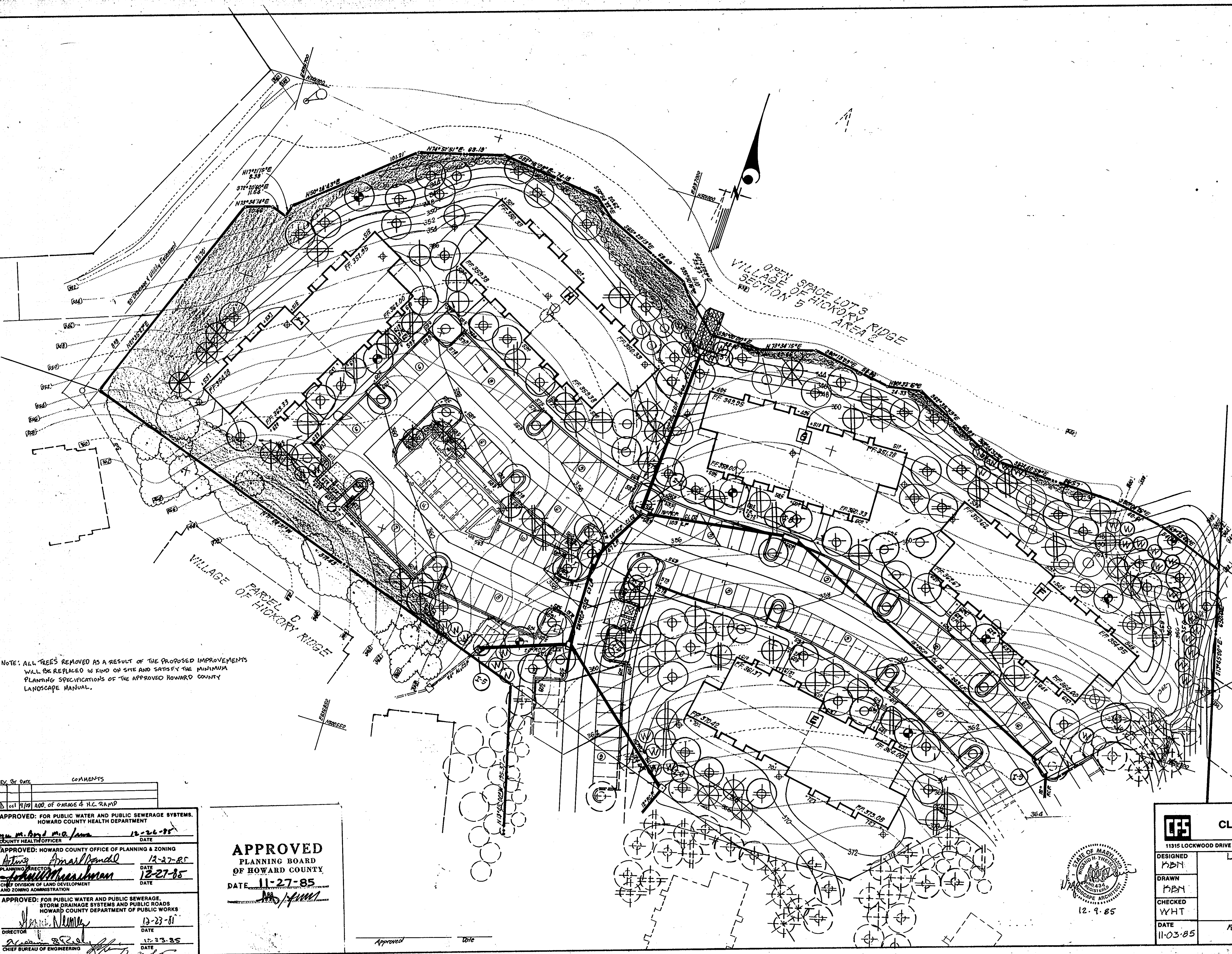
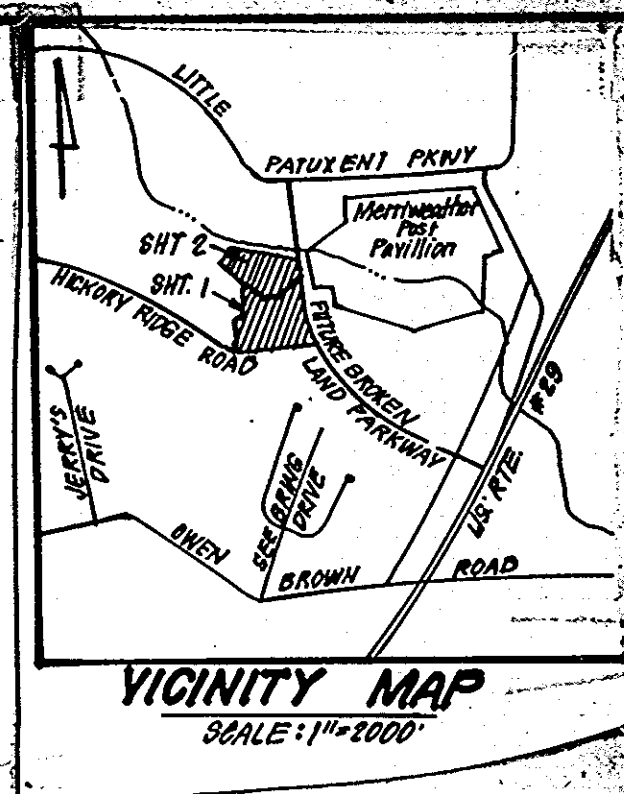
LANDSCAPE PLANTING PLAN
 DESIGNED: NBN
 DRAWN: NBN
 CHECKED: WHT
 DATE: 11/03/85

PAPCEL D
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 5 AREA 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: SHELTER DEVELOPMENT CORP. LTD.
 ONE LEXINGTON ST. #404
 BALTIMORE, MD. 21024

SCALE: 1"=30'
 DRAWING: 8 OF 9
 JOB NO.: 85-025
 FILE NO.: LS 85-025

SDP-86-108.





NOTE: ALL TREES REMOVED AS A RESULT OF THE PROPOSED IMPROVEMENTS WILL BE REPLACED IN KIND ON SITE AND SATISFY THE MINIMUM PLANNING SPECIFICATIONS OF THE APPROVED HOWARD COUNTY LANDSCAPE MANUAL.

BROKEN LAND PARKWAY

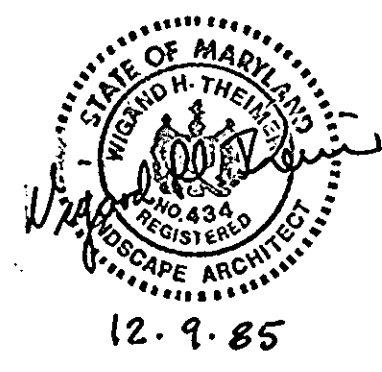


PROJECT NAME	COLUMBIA Village of Hickory Ridge	SHEET / AREA	5/2	LOT / PARCEL #	PARCEL D
PLAT # OF 4/P		ZONE	AL-2	PAV / DRIVE MAP	ELEC. DIST.
		DATE	3/8		VERSUS TR.
WATER CODE		SEWER CODE	5TH		

REV.	DATE	COMMENTS
1	11-27-85	ADD OF GARAGE & H.C. RAMP

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	DATE: 12-26-85
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING	DATE: 12-27-85
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE: 12-23-85

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 11-27-85



CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED	MBN	SCALE	1"=30'
DRAWN	MBN	DRAWING	9 OF 9
CHECKED	WHT	JOB NO.	85-025
DATE	11-03-85	FILE NO.	85-025 L.S.

FOR: SHELTER DEVELOPMENT, CORP. LTD.
610 Lexington St. #402
Baltimore, Md. 21204

SDP-86-108