

SHEET INDEX

NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILES OF CONCORD DRIVE AND SHERWOOD GLEN
3	DRAINAGE AREA MAP AND DETAILS
4	GRADING AND SEDIMENT CONTROL PLAN
5	SEDIMENT CONTROL NOTES AND DETAILS
6	STREET TREE PLAN

ROADWAY, STORM DRAIN & STORM WATER MANAGEMENT

HERITAGE WOODS

SECTION 2, AREA 2

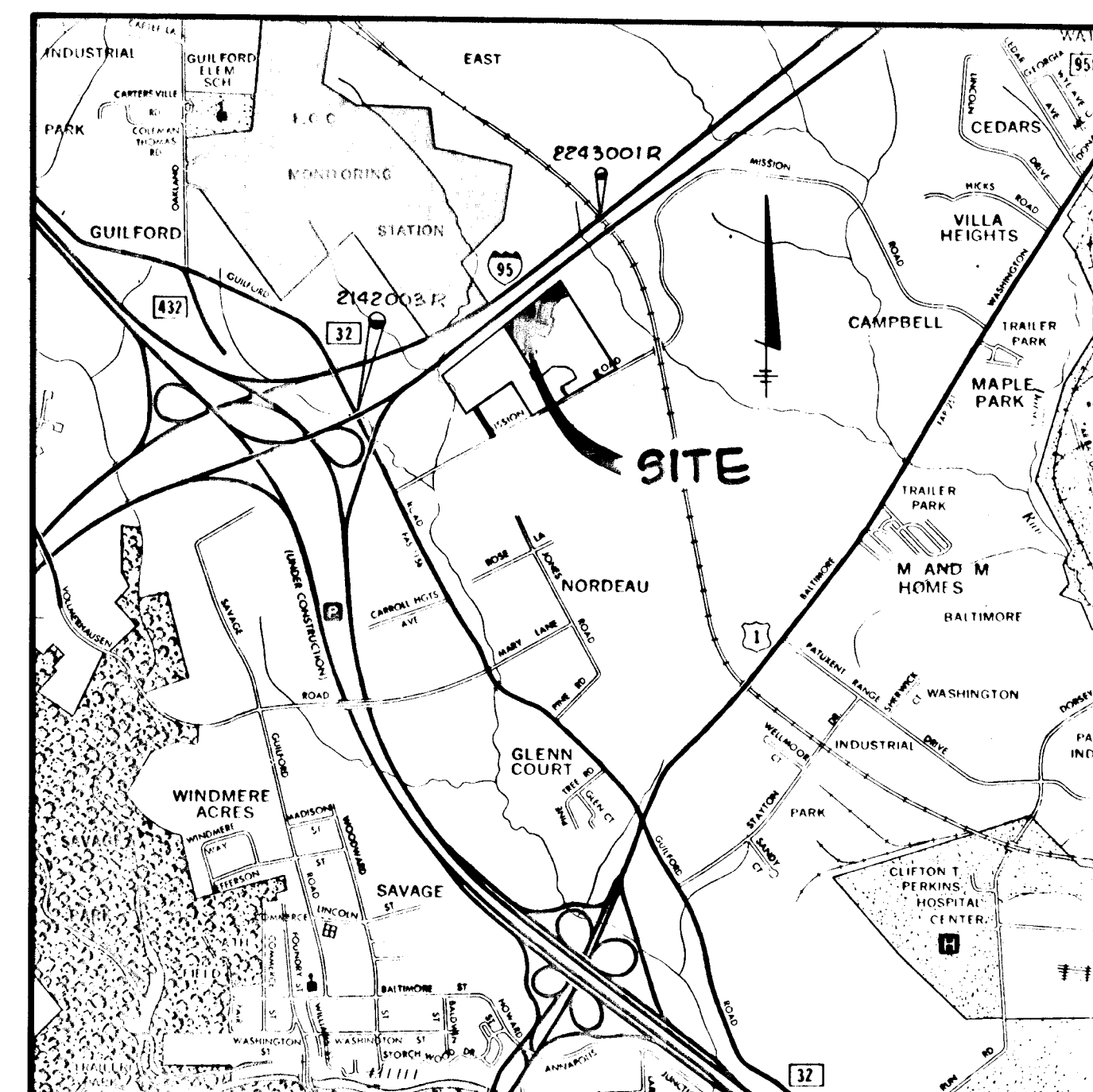
6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR ROAD CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER. A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.

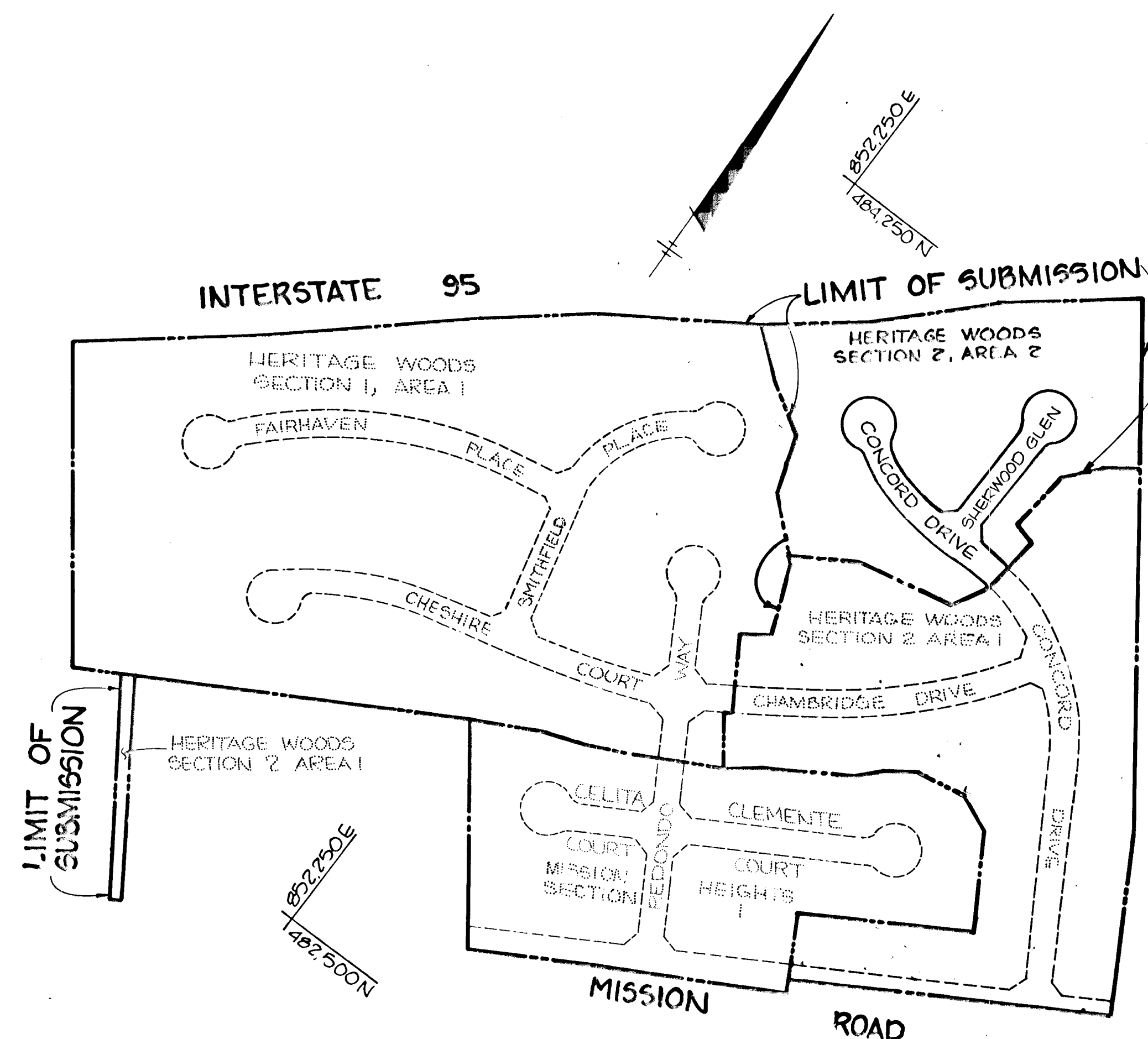
BELL TELEPHONE SYSTEM	393-3649
LONG DISTANCE CABLE DIVISION	393-3553 OR 3554
BALTIMORE GAS AND ELECTRIC	539-8000 EXT. 691
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
HOWARD COUNTY CONSTRUCTION INSPECTION SURVEY DIVISION	992-2417/2418
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 25.0' RADII UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1978 EDITION.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS:
ALL CUL-DE-SAC DESIGNED FOR 30 M.P.H., ALL LOCAL STREETS DESIGNED FOR 30 M.P.H.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
- ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM 95% OF MAXIMUM OBTAINABLE DENSITY DETERMINED BY MARSHALL PROCTOR.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED R-SC PER 8-2-85 COMPREHENSIVE ZONING PLAN.



VICINITY MAP
SCALE: 1" = 2000'

HC BM # 2142003-R ELEV. 328.746
CONCRETE MONUMENT 6'± EAST OF END OF CONCRETE CURB ON RTE. 1-95 NORTHBOND LANE 0.1' BELOW SURFACE.

HC BM # 2243001-R ELEV. 332.929
CONCRETE MONUMENT 9'± EAST OF END EDGE OF MACADAM 50'± NORTH OF BRIDGE OVER R-R TRACKS FLUSH WITH SURF.

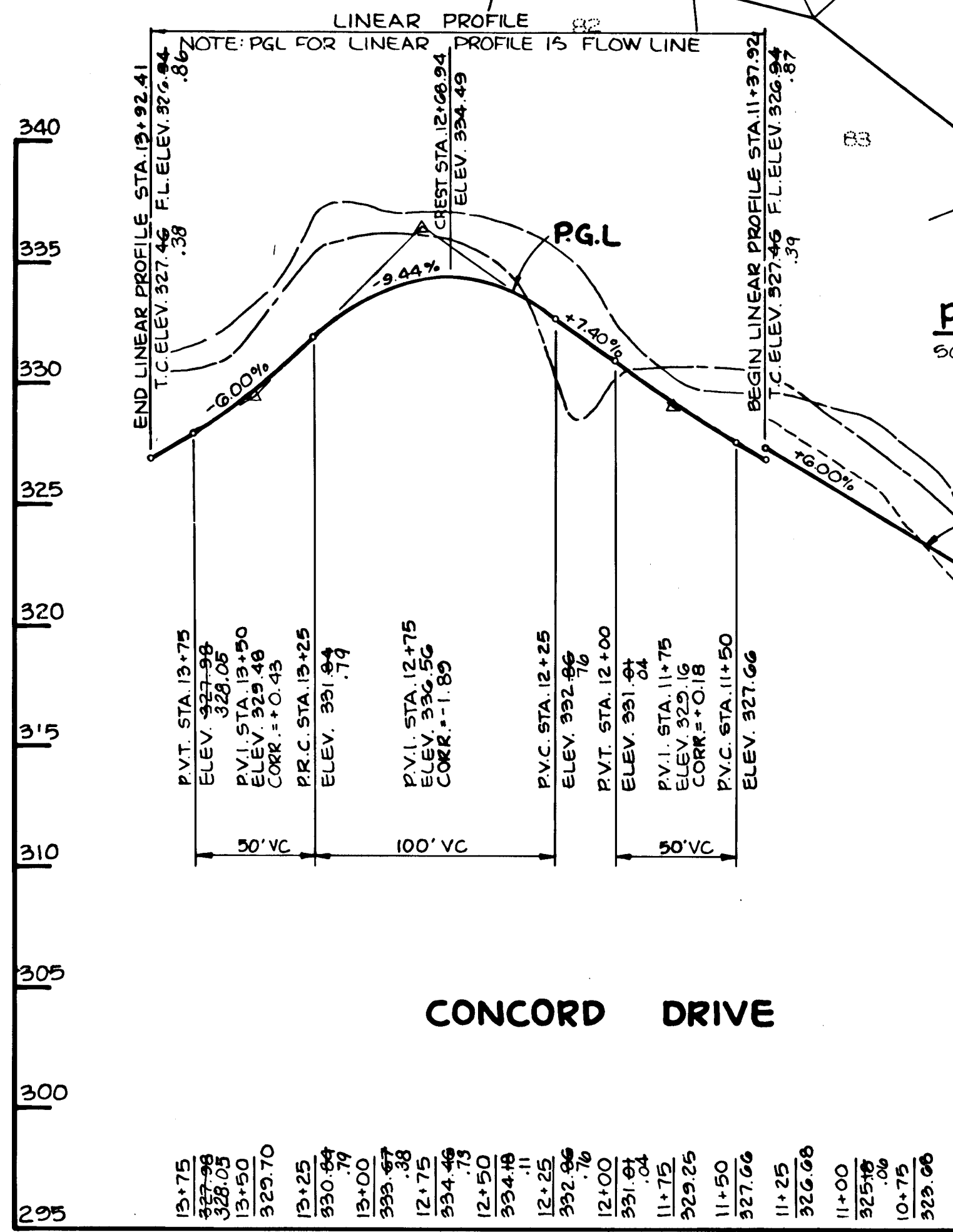
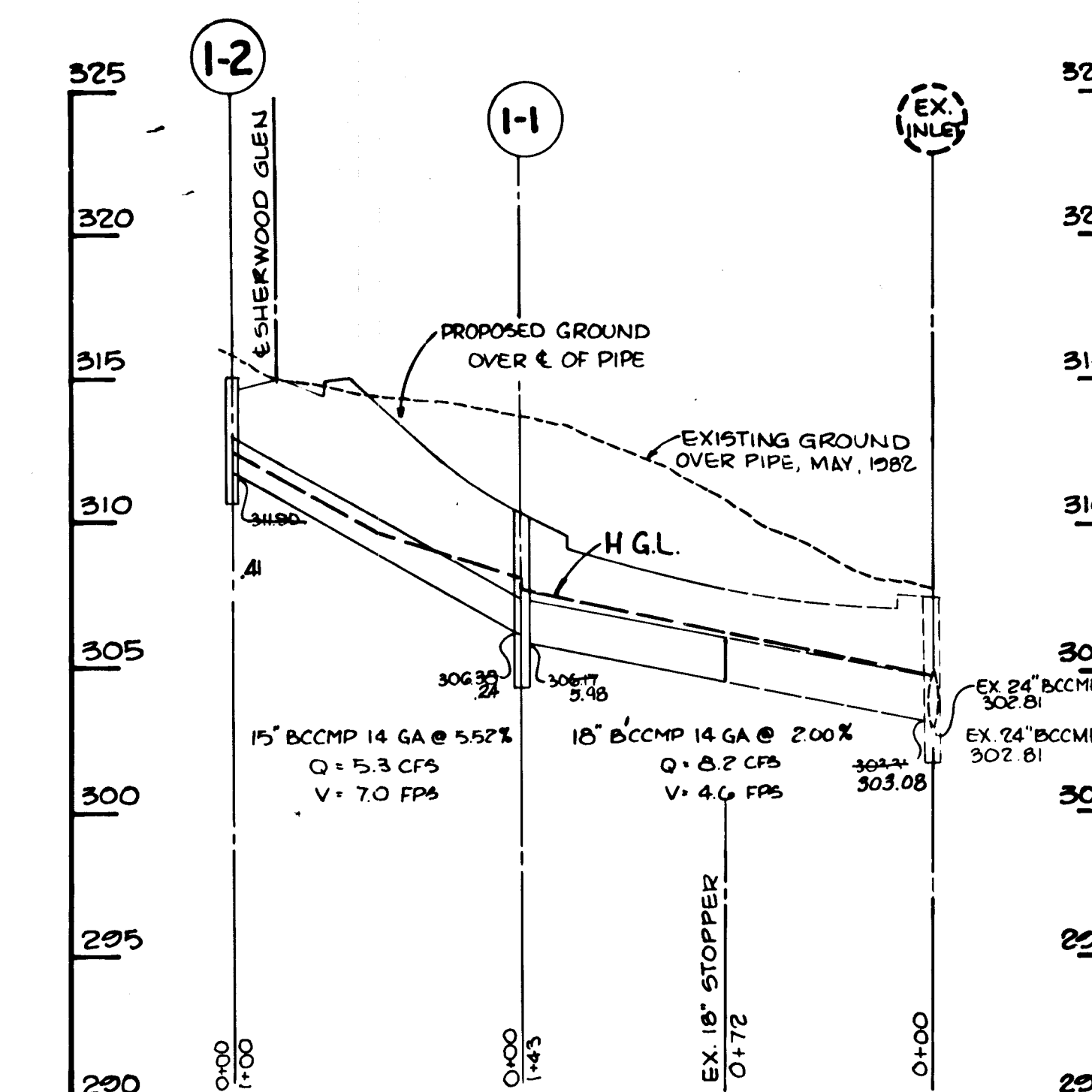
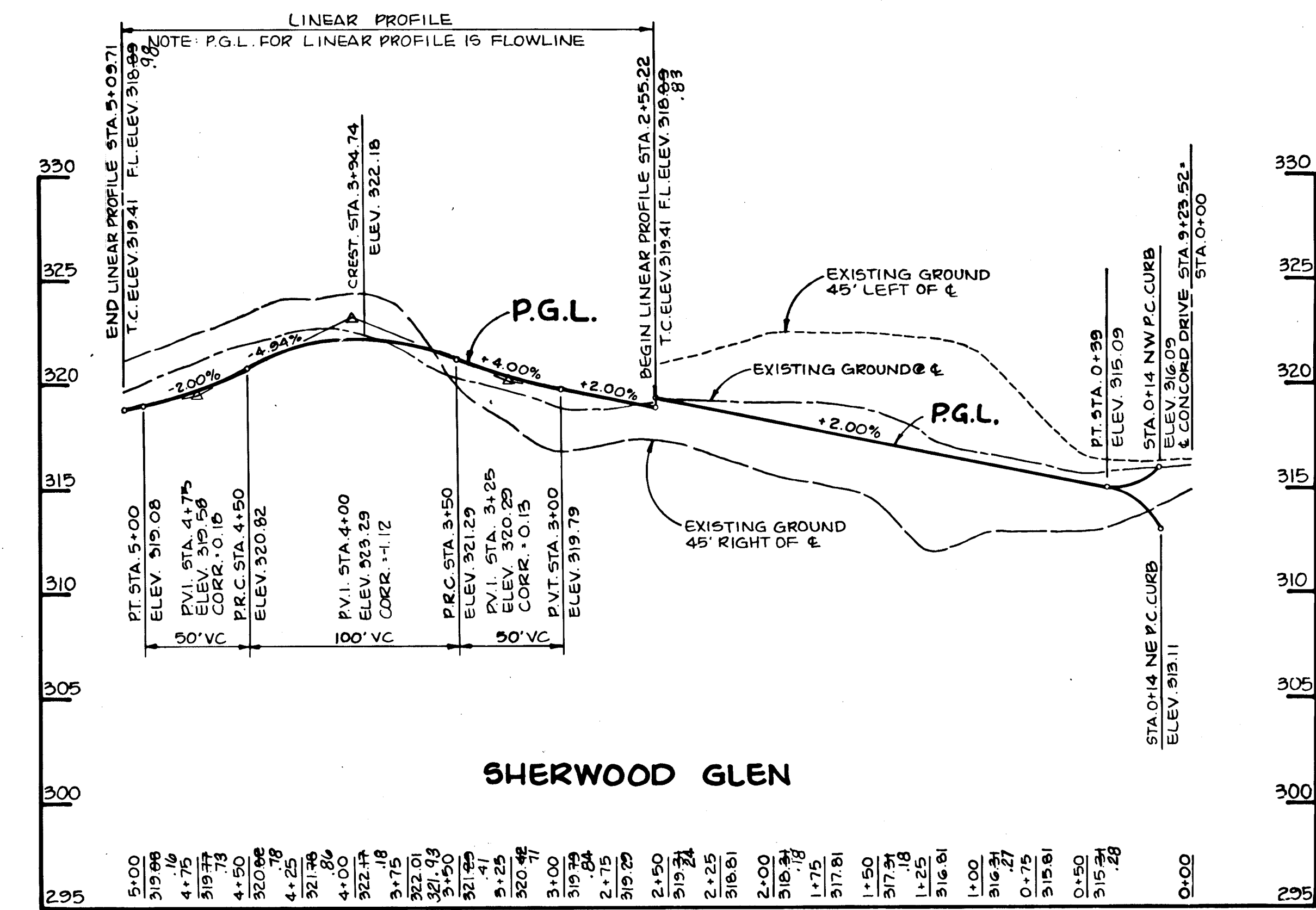
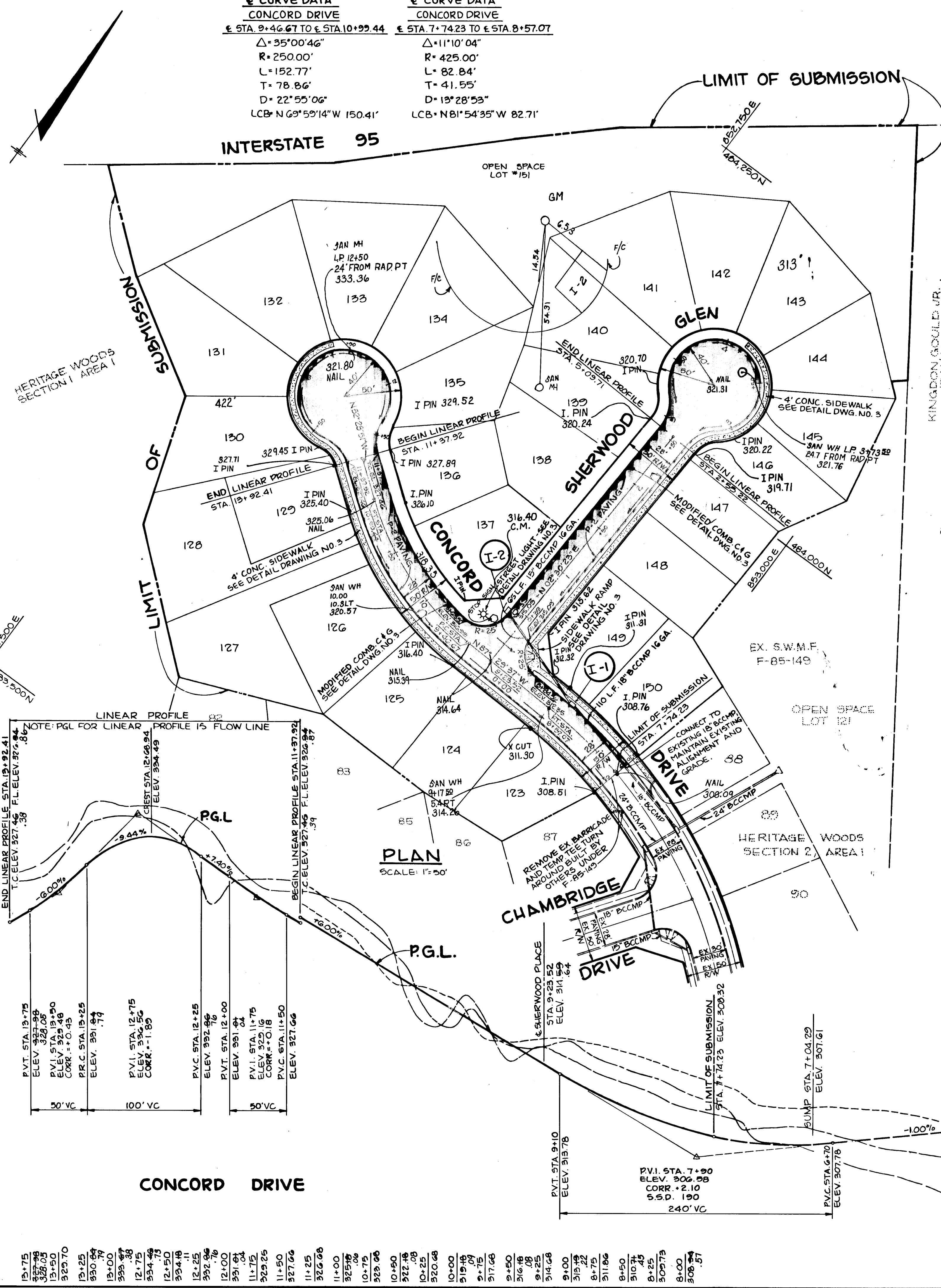


PLAN
SCALE: 1" = 200'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING		1-17-86
<i>John W. Washburn</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION		DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		1-23-86
<i>Kenneth E. Ray</i> CHIEF, BUREAU OF ENGINEERING		DATE
NO.	DATE	REVISION
<p>TRACY, SCHULTE & ASSOCIATES INC. planning • architecture • engineering</p> <p>8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105</p>		
OWNER		PROJECT
GREENBRIAR VENTURE 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21043		HERITAGE WOODS SECTION 2 AREA 2 LOTS 123 THRU 151
DEVELOPER		LOCATION
SECURITY DEVELOPMENT CORP 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21043		TAX MAP NO. 42 PARCELS 77 & 371 ELECTION DISTRICT N° 6 HOWARD COUNTY, MARYLAND
		TITLE
		TITLE SHEET
DES. JKT.	DRN. KAM.	DATE SEPT. 30, 1985
		PROJECT NO. 0582 R5D
		SCALE: 1" = 200'
		DRAWING 1 OF 6

#967

€ CURVE DATA CONCORD DRIVE		€ CURVE DATA CONCORD DRIVE	
€ STA. 0+46.67 TO € STA. 10+25.44	Δ+35°00'46"	€ STA. 7+74.23 TO € STA. 8+57.07	Δ+11°10'04"
	R=250.00'		R=425.00'
	L=152.77'		L=82.84'
	T=78.86'		T=41.55'
	D=22°55'06"		D=13°28'53"
	LCB= N 69°59'14" W 150.41'		LCB= N 81°54'35" W 82.71'



NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	DESCRIPTION
I-1	A-5	44' RT OF € STA 8+33.33 AT CONCORD DRIVE	302.21	306.25	310.4235	H.C. STD. 5.D. 4.01
I-2	A-10	14' LT OF € STA 0+44.45 SHERWOOD GLEN	311.41	316.19	318.19	H.C. STD. 5.D. 4.02

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John M. ... 1-17-86
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... 1-23-86
 CHIEF, BUREAU OF ENGINEERING DATE

NO.	DATE	REVISION

TRACY, SCHULTE & ASSOCIATES INC.
 planning • architecture • engineering
 8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105

OWNER: GREENBRIAR VENTURE, 8450 BALTIMORE NATIONAL PIKE, ELLICOTT CITY, MD. 21043

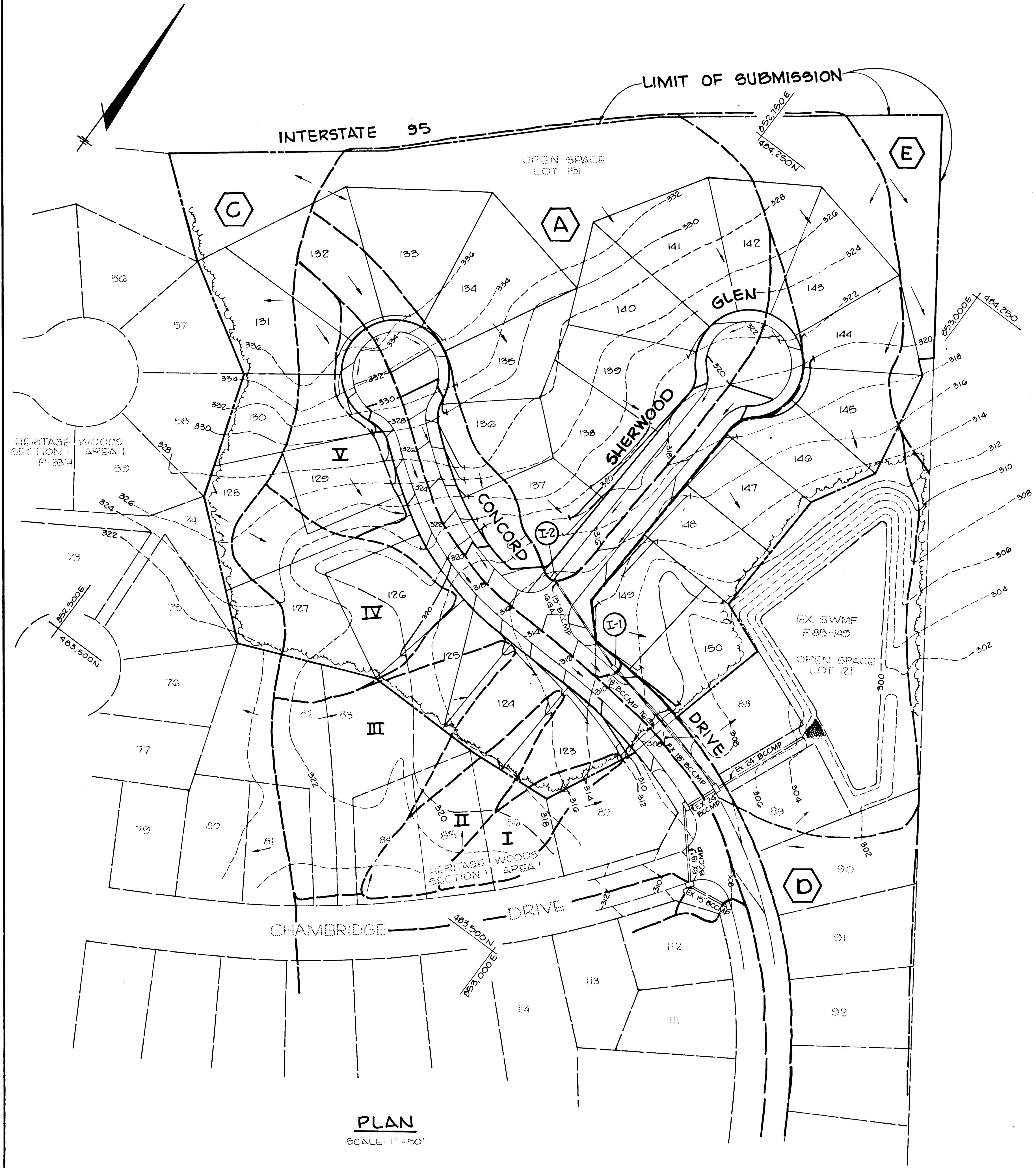
PROJECT: HERITAGE WOODS SECTION 2, AREA 2, LOTS 123 THRU 151

DEVELOPER: SECURITY DEVELOPMENT CORP, 8450 BALTIMORE NATIONAL PIKE, ELLICOTT CITY, MD. 21043

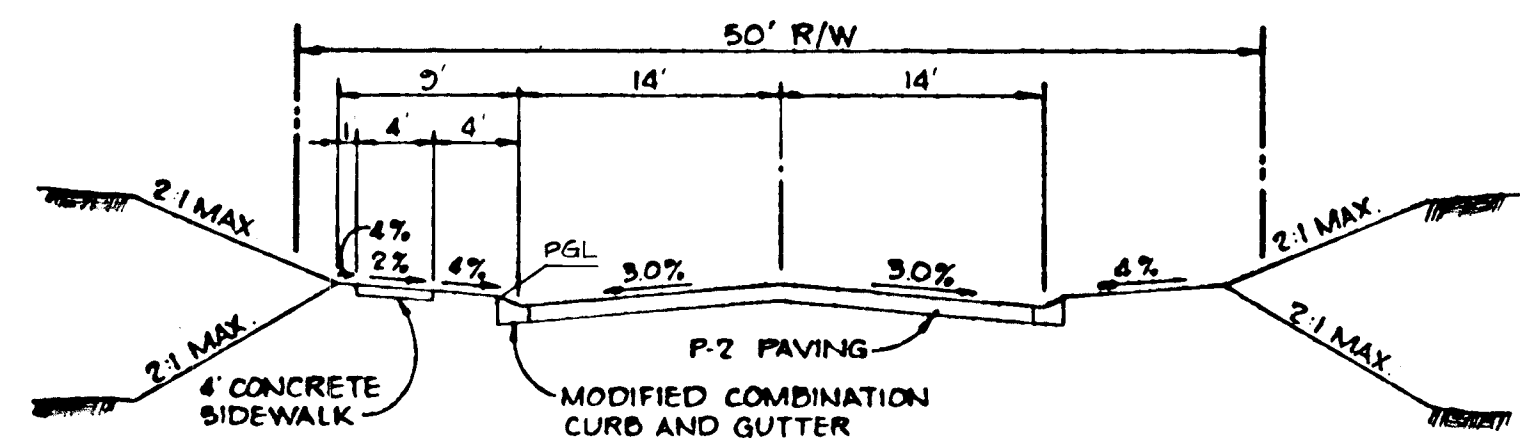
TITLE: PLAN AND PROFILES OF CONCORD DRIVE AND SHERWOOD GLEN

DATE: SEPT. 30, 1985 PROJECT NO: 0582 RSD

DES. JKT: DRN KAM SCALE: 1"=50' DRAWING: 2 OF 6

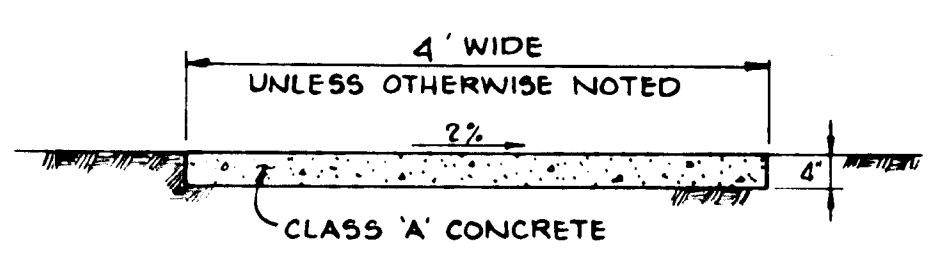


PLAN
SCALE 1" = 50'

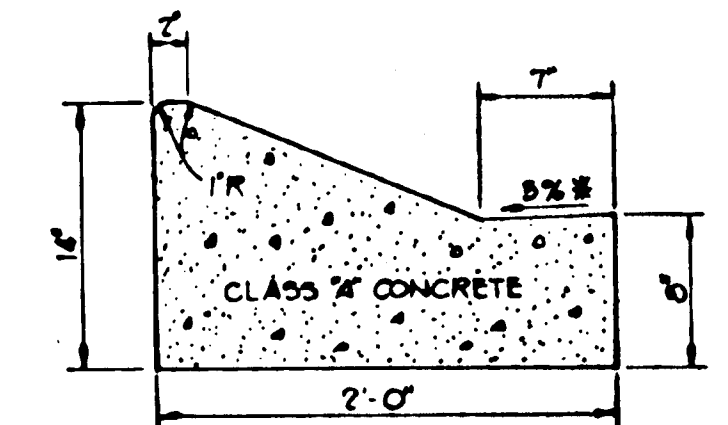


ZONED R-5C
CLASSIFICATION = CUL-DE-SAC
SHERWOOD GLEN STA. 0+00 TO STA. 2+55.22
CONCORD DRIVE STA. 7+74.23 TO STA. 11+37.92
DESIGN SPEED 30 M.P.H.

TYPICAL SECTION
NO SCALE

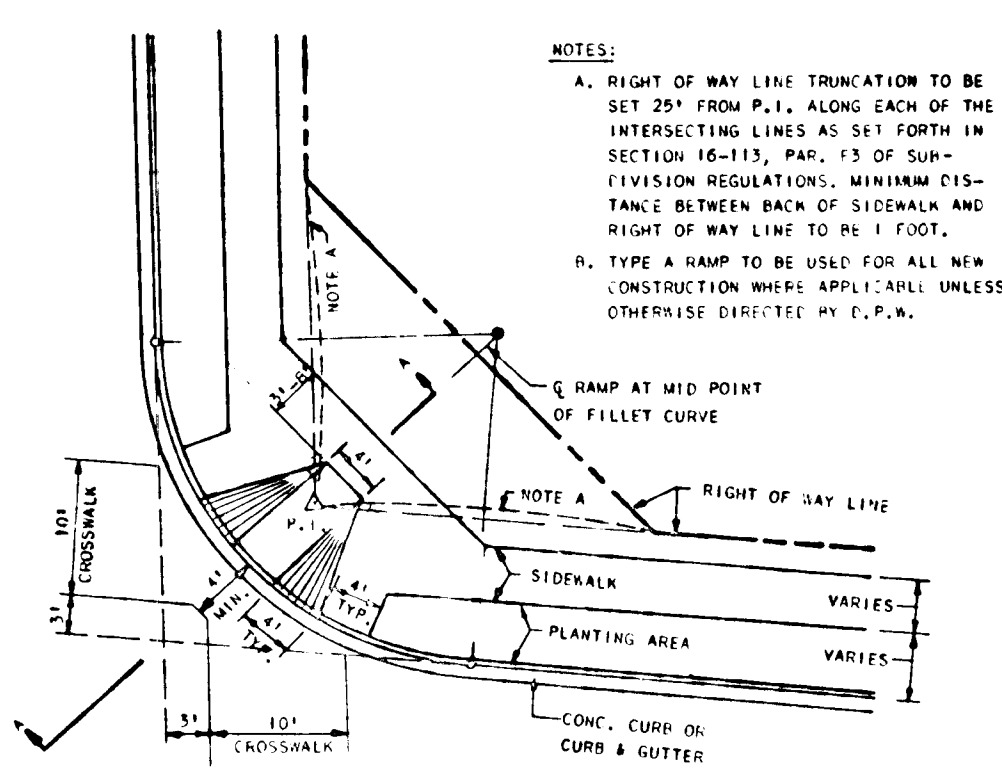


SIDEWALK DETAIL
NO SCALE



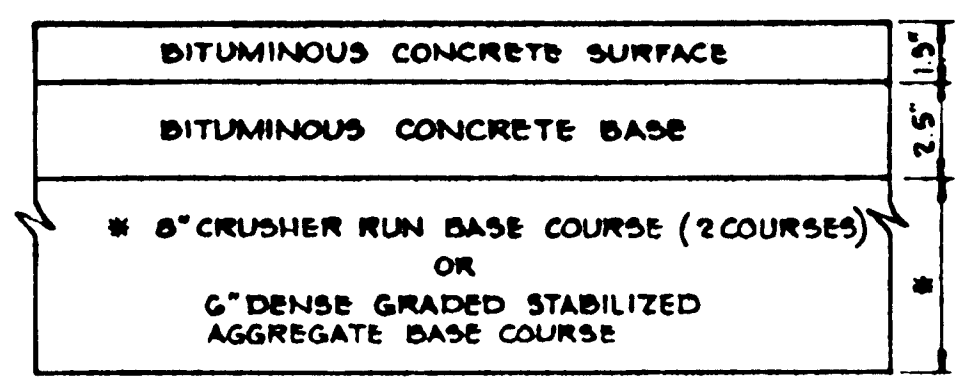
HOWARD COUNTY DESIGN MANUAL VOLUME 17 - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-801)
GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ATTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

MODIFIED COMBINATION CURB AND GUTTER
NO SCALE

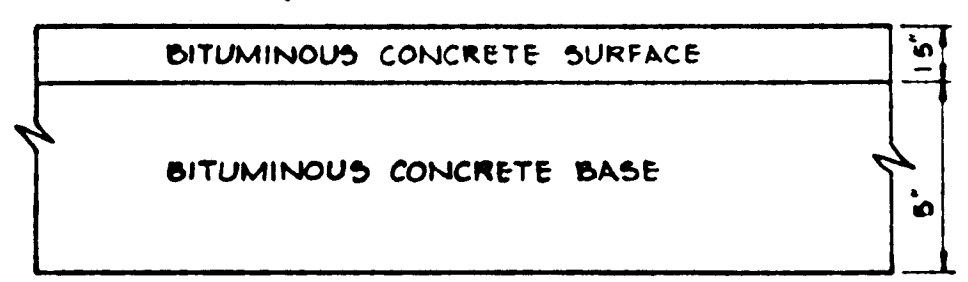


NOTES:
A. RIGHT OF WAY LINE TRUNCATION TO BE SET 25' FROM P.L. ALONG EACH OF THE INTERSECTING LINES AS SET FORTH IN SECTION 16-113, PAR. 13 OF SUBDIVISION REGULATIONS. MINIMUM DISTANCE BETWEEN BACK OF SIDEWALK AND RIGHT OF WAY LINE TO BE 4 FEET.
B. TYPE A RAMP TO BE USED FOR ALL NEW CONSTRUCTION WHERE APPLICABLE UNLESS OTHERWISE DIRECTED BY E.P.W.

SIDEWALK RAMP TYPE A
NO SCALE



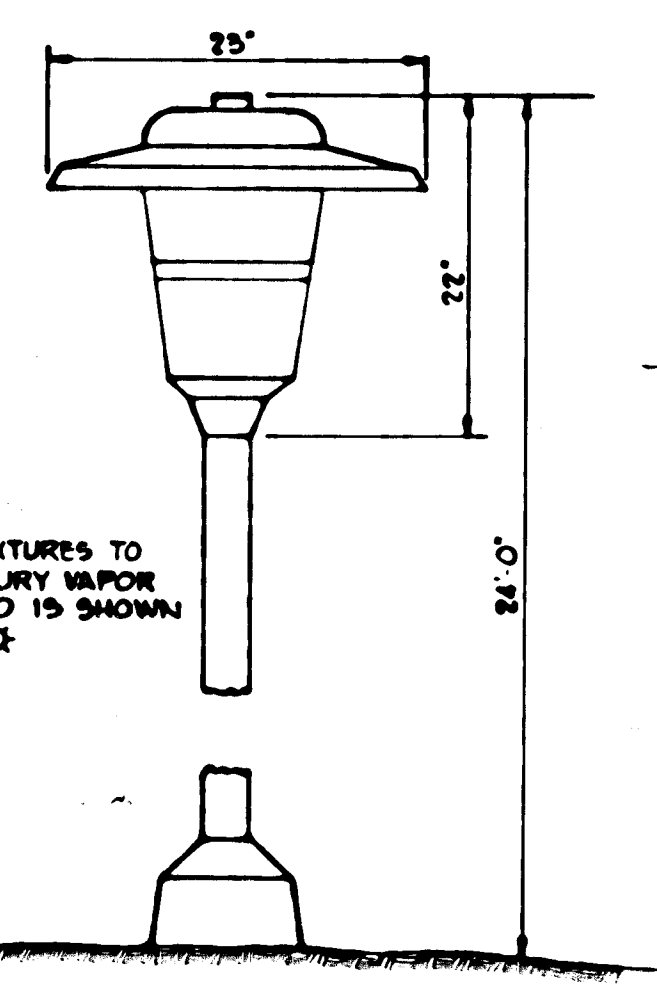
(ALTERNATE)



HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-701)

6x PAVING, P-2

SHERWOOD GLEN
CONCORD DRIVE



NOTE:
ALL STREET LIGHT FIXTURES TO BE 175 WATT MERCURY VAPOR TYPE 24' HIGH AND IS SHOWN ON THE PLAN AS *

DETAIL - LIGHTING FIXTURE
NO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William G. Day 1-23-86
CHIEF, BUREAU OF ENGINEERING

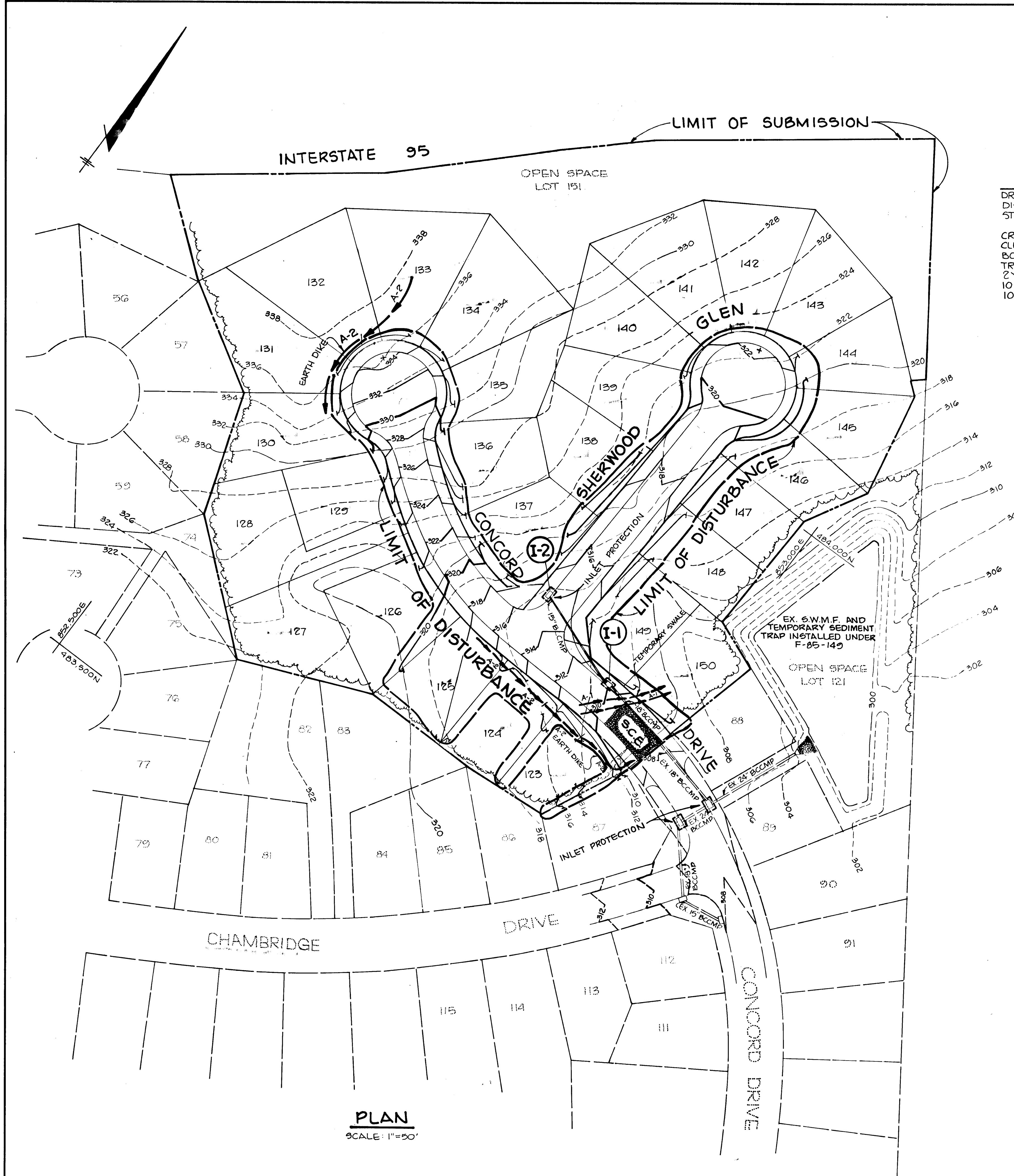
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John M. Murchman 1-17-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

NO	DATE	REVISION

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James K. Stutz

OWNER GREENBRIAR VENTURE 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043	PROJECT HERITAGE WOODS SECTION 2, AREA 2, LOTS 123 THRU 151 LOCATION TAX MAP NO. 42 PARCELS 77 & 371
DEVELOPER SECURITY DEVELOPMENT CORP 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043	ELECTION DISTRICT NO. 6 HOWARD COUNTY, MD TITLE DETAILS AND DRAINAGE AREA MAP
DES. J.K.T.	DRN. K.M.N.
DATE SEPT 30, 1985	PROJECT NO. 0582 RSD
SCALE 1" = 50'	DRAWING 3 OF 6



SEDIMENT TRAP #1

DRAINAGE AREA	11.21 AC.
DISTURBED AREA	2.07 AC.
STORAGE REQUIRED	20,160 CF
STORAGE PROPOSED	16,220 CF
CREST ELEVATION	308.5
CLEANOUT ELEVATION	307.5
BOTTOM ELEVATION	306.5
TRAP DIMENSIONS	60' x 65' x 2'
2 YEAR STORM ELEV.	299.50
10 YEAR STORM ELEV.	300.04
100 YEAR STORM ELEV.	302.00

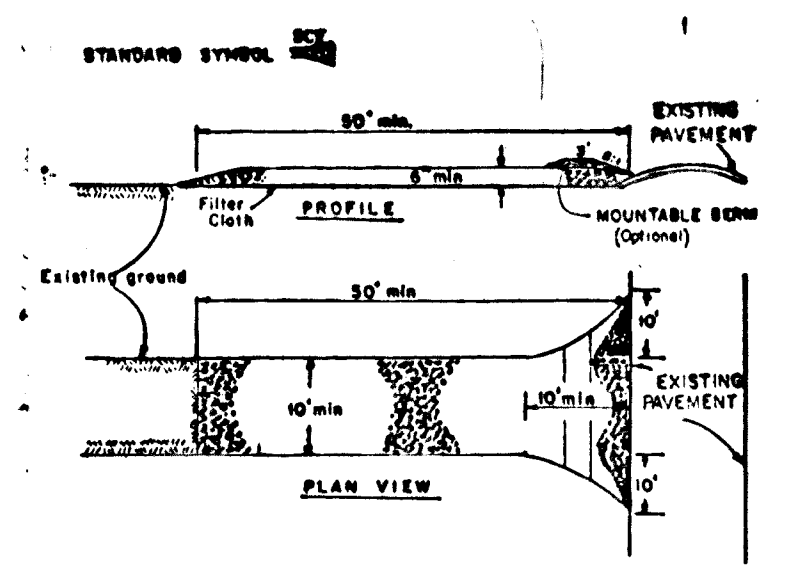
PLAN
SCALE: 1"=50'

BY THE DEVELOPER: "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT." <i>James R. Moxley Jr.</i> DEVELOPER: JAMES R. MOXLEY JR. 9-21-85 <small>DATE</small>	
BY THE 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." <i>James K. Tracy</i> ENGINEER: JAMES K. TRACY, P.E. 8-21-86 <small>DATE</small>	
REVIEWED FOR: <u>HOWARD</u> <small>S.C.D.</small> <small>NAME</small>	
AND MEETS TECHNICAL REQUIREMENTS <i>James K. Tracy</i> U.S. SOIL CONSERVATION SERVICE 1-16-85 <small>DATE</small>	
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT <i>Stephen L. Hulen</i> HOWARD S.C.D. 1/16/86 <small>DATE</small>	
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>James K. Tracy</i> CHIEF, BUREAU OF ENGINEERING 1-23-86 <small>DATE</small>	
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING <i>John M. ...</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION 1-17-86 <small>DATE</small>	
NO	DATE
	REVISION

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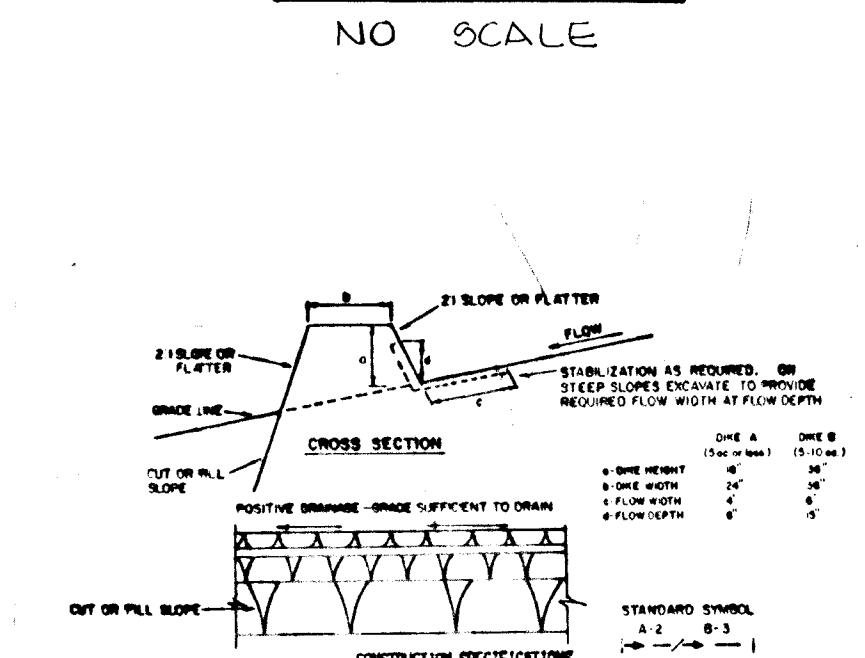
OWNER GREENBRIAR VENTURE 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043	PROJECT HERITAGE WOODS SECTION 2, AREA 2, LOTS 123 THRU 151 LOCATION TAX MAP NO. 42 PARCELS 77 & 371 ELECTION DISTRICT NO. 6, HOWARD COUNTY, MD TITLE GRADING AND SEDIMENT CONTROL PLAN
DEVELOPER SECURITY DEVELOPMENT CORP 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043	DATE SEPT. 30, 1985 PROJECT NO 0582 RSD SCALE 1"=50' DRAWING 4 OF 6
DES J.K.T. DRN K.M.N.	AS BUILT 3-22-88 F-86-75 DECEMBER 10, 1985

#9167



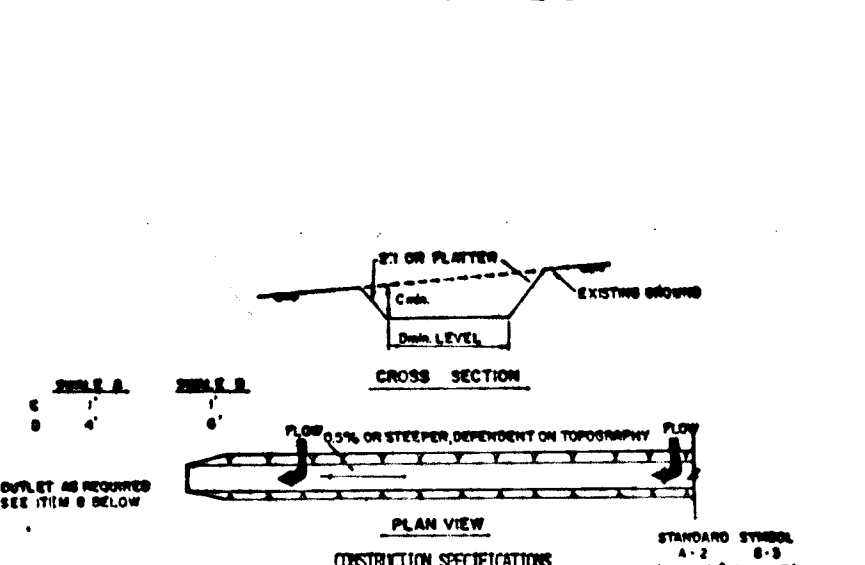
- CONSTRUCTION SPECIFICATIONS**
- Stone Size - One 2" stone, or recycled or crushed concrete equivalent.
 - Length - As specified, but not less than 30 feet (except on a single residence lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) feet minimum, but not less than the full width of existing curb, gutter or apron.
 - Grading - The entire area prior to placing of stone filter cloth will be graded to a single family residence lot.
 - Surface Water - All surface water flowing or directed toward construction entrance shall be piped across the entrance. If piping is impractical, a monolithic beam with 3:1 slope will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and rapid removal of any material used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.
 - Washing - Wheels shall be cleaned so remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 - Postclose Inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



- CONSTRUCTION SPECIFICATIONS**
- All dikes shall be constructed by experienced equipment.
 - All dikes shall have positive drainage to an outlet.
 - Top of dike shall be 2 feet above the existing ground surface. If desired to facilitate crossing by construction traffic, the dike shall be constructed with a minimum of 12 inches of compacted fill over the stone or concrete.
 - Each dike shall have an outlet that functions with a minimum of erosion. Outlet shall be covered to a sediment trapping device such as a sediment trap or filter cloth.
 - Stabilization shall be 10:1 in accordance with standard specifications for seed and straw mulch or 3:1 in accordance with standard specifications for seed and straw mulch if not in seeding season. 3:1 slope shall be as per the chart below.
- | TYPE OF DRAINAGE | COVER | DIKE A | DIKE B |
|------------------|-----------|------------------------|--|
| 1 | 5-5.00 | Seed and Straw Mulch | Seed and Straw Mulch |
| 2 | 3.15-5.00 | Seed and Straw Mulch | Seed (on slope), or Excelsior, 500' 2" Stone |
| 3 | 5.1-8.00 | Seed with Apron or Sod | Lined 4" Rip-Rap 4'-8" |
| 4 | 8.1-10.00 | Lined Rip-Rap 4'-8" | Engineering Design |
- A. Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches thick and in a layer at least 8 inches thick and placed in two layers.
- B. Rip-rap to be 4 inches in a layer at least 8 inches thick and placed in two layers.
- C. Approved equivalents can be substituted for any of the above materials.
- D. Postclose inspection and needed maintenance must be provided after each rain event.

EARTH DIKE
NO SCALE



- CONSTRUCTION SPECIFICATIONS**
- All temporary swales shall have uninterrupted positive slope to an outlet.
 - Diverted runoff from a disturbed area shall be conveyed to a sediment trapping device.
 - Diverted runoff from an undisturbed area shall outlet directly into an undisturbed stabilized area at maximum velocity.
 - All trees, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.
 - The swale shall be designed on a slope to line, grade, and cross section as required to meet the criteria specified herein and be free of any obstructions or other irregularities which will impede normal flow.
 - Fields shall be covered by earth forming equipment.
 - All earth removal and not needed on construction shall be placed so that it will not interfere with the functioning of the swale.
 - Stabilization shall be as per the chart below:
- | TYPE OF DRAINAGE | COVER | DIKE A | DIKE B |
|------------------|-----------|---|--|
| 1 | 0.5-5.00 | Seed and Straw Mulch | Seed and Straw Mulch |
| 2 | 5.1-9.00 | Seed and Straw Mulch | Seed (on slope), or Excelsior, 500' 2" Sod |
| 3 | 5.1-8.00 | Seed with Apron or Recycled Concrete Equivalent | Lined 4" Rip-Rap 4'-8" |
| 4 | 8.1-10.00 | Lined 4" Rip-Rap | Engineering Design |
- D. Postclose inspection and needed maintenance must be provided after each rain event.

TEMPORARY SWALE
NO SCALE

PERMANENT SEEDING NOTES

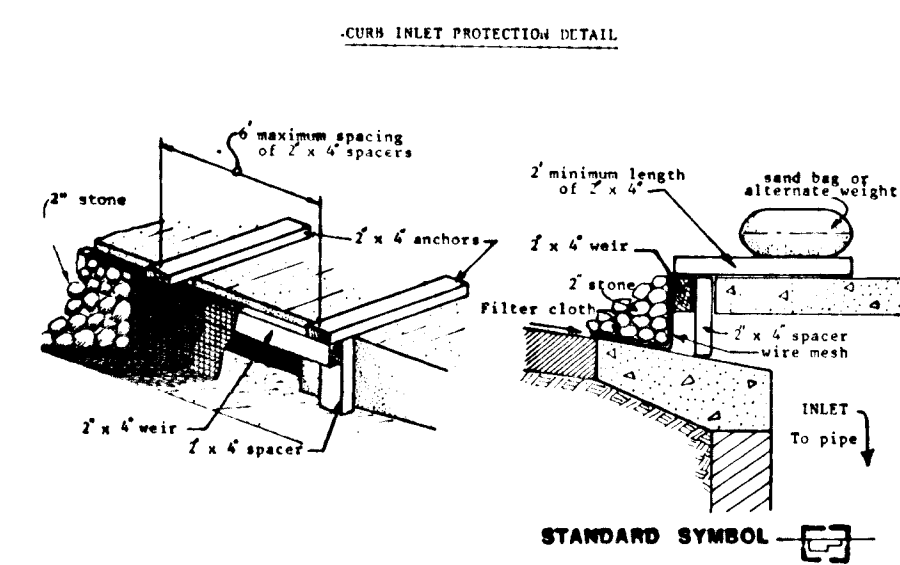
- SEEDBED PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 lbs/1000 sq ft) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 lbs/1000 sq ft) BEFORE SEEDING. 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.
- 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.

SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS 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 PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (Sec. 31) SOD (Sec. 34), 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: 734 ACRES
AREA DISTURBED: 180 ACRES
AREA TO BE ROOFED OR PAVED: 0.74 ACRES
AREA TO BE VEGETATIVELY STABILIZED: 0.82 ACRES
TOTAL CUT: 2015 CU. YDS.
TOTAL FILL: 485 CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION: ON SITE
- 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 CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
- ALL SEDIMENT TRAPS 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.



INLET PROTECTION DETAIL
NO SCALE

SEQUENCE OF CONSTRUCTION

- DAY 1 OBTAIN A GRADING PERMIT
- DAY 2-3 CLEAR AND GRUB AREA FOR AND INSTALL STABILIZED CONSTRUCTION ENTRANCE (SCE)
- DAY 3-7 CLEAR AND GRUB REMAINING AREAS FOR SEDIMENT CONTROL DEVICE INSTALLATION
- DAY 7-8 INSPECT EXISTING S.W.M.F./TEMPORARY SEDIMENT TRAP INSTALLED UNDER F04-140 AND MAKE ANY NECESSARY REPAIRS TO RETURN S.W.M.F. TO ORIGINAL CONDITION.
- DAY 8-11 CLEAR AND GRUB REMAINDER OF SITE
- DAY 11-17 GRADE SITE
- DAY 17-60 INSTALL UTILITIES (WATER, SEWER & STORM DRAINS) BLOCKING ALL INLETS AS PER INLET PROTECTION DETAIL
- DAY 60-63 STABILIZE ALL SLOPES IN ACCORDANCE WITH PERMANENT SEEDING NOTES
- DAY 63-70 COMPLETE ALL ROADWAY CONSTRUCTION AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES
- DAY 70-72 UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

BY THE 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."
James K. Tracy
ENGINEER: JAMES K. TRACY, P.E.
8-21-85
DATE

BY THE DEVELOPER:
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
James R. Mokey
DEVELOPER: JAMES R. MOKEY
8-21-85
DATE

REVIEWED FOR: *Howard S.C.D.* NAME: HOWARD S.C.D. S.C.D.
James Welch
U.S. SOIL CONSERVATION SERVICE
1-16-85
DATE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Stephen L. Huber
HOWARD S.C.D.
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William B. Row
CHIEF, BUREAU OF ENGINEERING
1-23-84
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
William M. Schuman
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
1-17-86
DATE

NO	DATE	REVISION

TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering
8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105
STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER
James K. Tracy

OWNER: GREENBRIAR VENTURE
8450 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

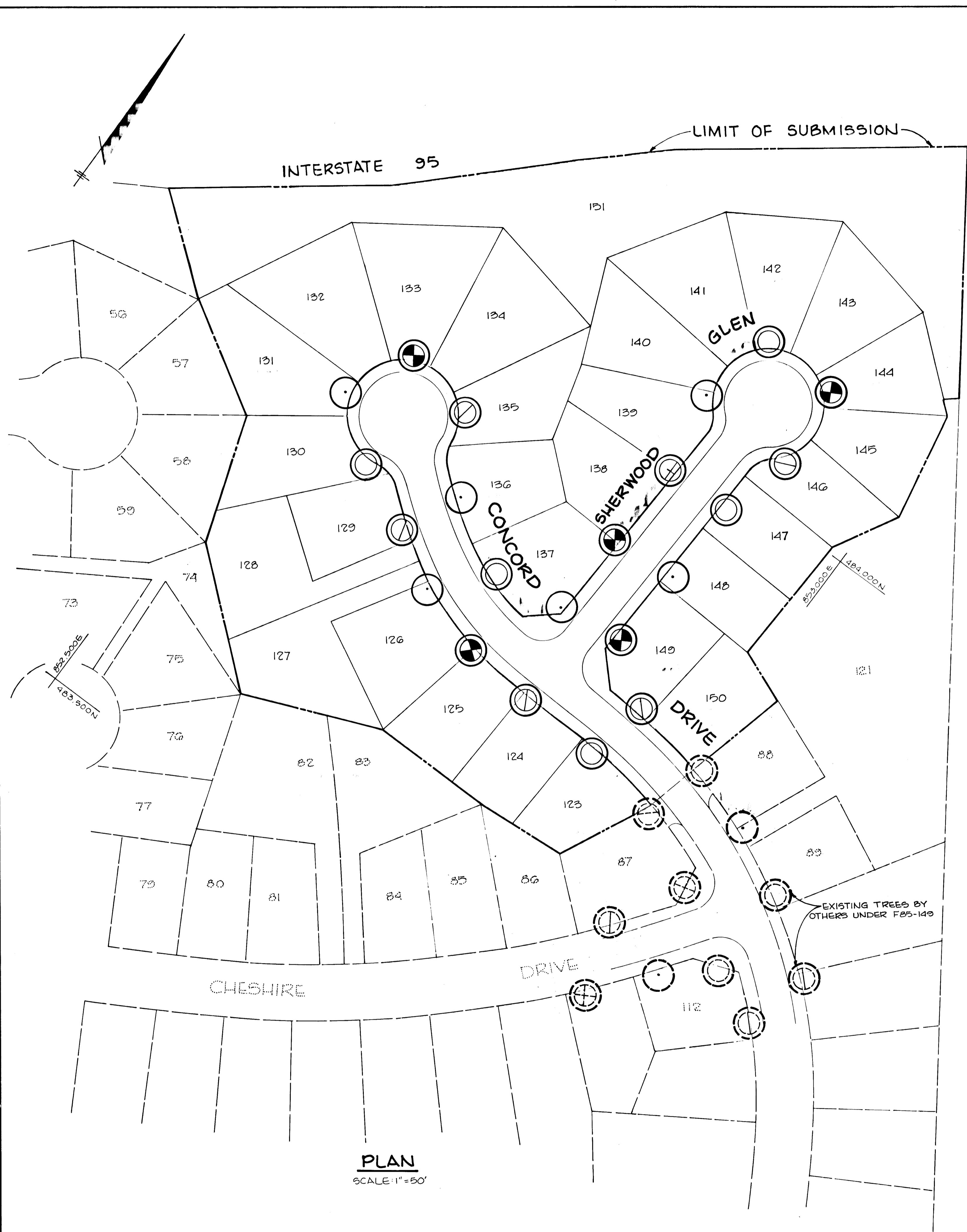
PROJECT: HERITAGE WOODS
SECTION 2, AREA 2, LOTS 123 THRU 151
LOCATION: TAX MAP NO. 42
PARCELS 77 & 571
ELECTION DISTRICT NO. 6
HOWARD COUNTY, MARYLAND

DEVELOPER: SECURITY DEVELOPMENT CORP
8450 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

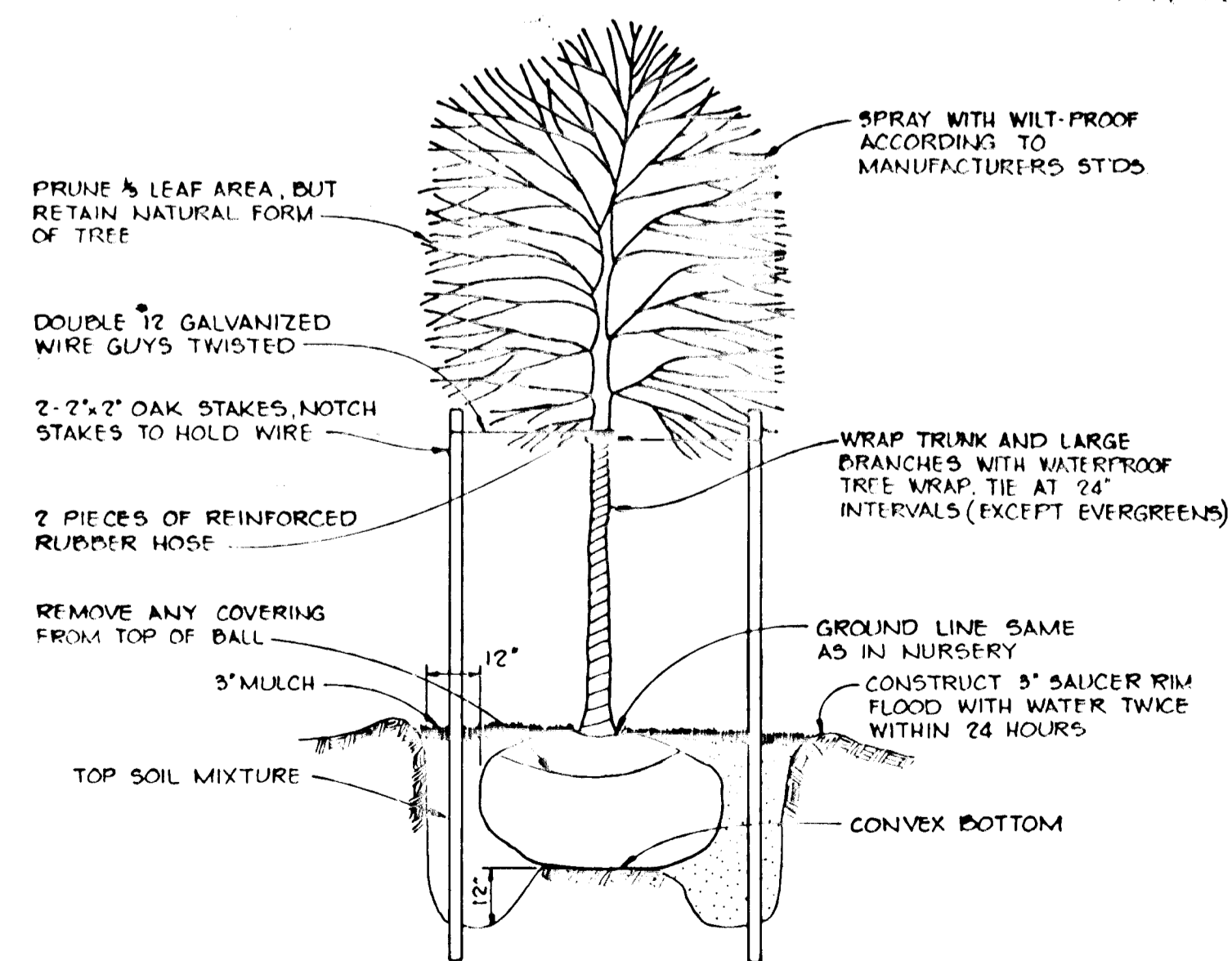
TITLE: SEDIMENT CONTROL NOTES AND DETAILS

DATE SEPT. 30, 1985 PROJECT NO 0582 RSD

DES. R.J.W. DRN. K.M.N. SCALE AS SHOWN DRAWING 5 OF 6



PLAN
SCALE: 1"=50'



TREE PLANTING DETAIL
NO SCALE

PLANT LIST			
SYMBOL	QUANTITY	NAME	REMARKS
	5	ACER RUBRUM Red Maple	2 1/2" Min. Cal. D & B Full Head
	6	QUERCUS PALUSTRIS Pin Oak	
	6	ACER SACCHARUM Sugar Maple	
	5	QUERCUS BOREALIS Red Oak	
TOTAL	22		

LENGTH OF PROPOSED ROADS = 619 LF + 40 = 659
 LENGTH OF LINEAR PROFILES = 509 ÷ 80 = 6.4
 TOTAL REQUIRED 21.9
 TOTAL PROVIDED 22

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William A. Reilly 1-23-86
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John W. Mueselman 1-17-86
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

NO. DATE REVISION

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OWNER: GREENBRIAR VENTURE
 8450 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21043

PROJECT: HERITAGE WOODS
 SECTION 2, AREA 2 LOTS 123 THRU 151
 LOCATION: TAX MAP NO. 42
 PARCELS 77 & 371
 DEVELOPER: SECURITY DEVELOPMENT CORP
 8450 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21043

ELECTION DISTRICT NO. 6 HOWARD COUNTY, MD
 TITLE: STREET TREE PLAN

DATE: SEPT. 30, 1985 PROJECT NO: 0582 RSD
 DES: JKT DRN: K.M.N. SCALE: 1"=50' DRAWING: 6 OF 6