NOTES:

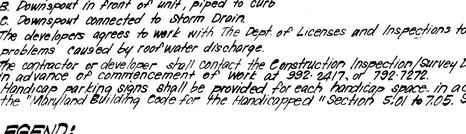
1. All materials & Construction to be in accordance with Howard County Road Construction Code and Specs.
2. This plan is covered by Final Developement Plan Phase 132-A.
3. Any damage to county owned rights of way shall be corrected at the Developers expense.
4. Installation of Traffic Control Devices shall be in accordance with the latest edition of the "Manual of Uniform Traffic Control."
5. Topography was compiled by actual field survey.
6. All driveways are to be privately owned and maintained.
7. All coordinates are based on Howard County Geodetic Control Traverse which is based on the Maryland State Plane Coordinate System.
8. Class "C" Trench bedding shall be used under all storm drainage, unless shown otherwise.
9. Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elev. of mains by digging test pits by hand, at all crossings well in advance of construction.
10. All downspout drains shall be handled by one of the following methods:
    A. Downspout to splash blocks and discharge to ground having good percolation.
    B. Downspout in front of unit, piped to curb
    C. Downspout connected to Storm Drain.
11. The developers agrees to work with The Dept. of Licenses and Inspections to resolve any problems caused by roof water discharge.
12. The contractor or developer shall contact the Construction Inspection/Survey Division 24 hrs. in advance of commencement of work at 992-2417, or 792-1272.
13. Handicap parking signs shall be provided for each handicap space in accordance with the "Maryland Building Code for the Handicapped" Section 5.01 to 7.05. See details sht 2.

LEGEND:

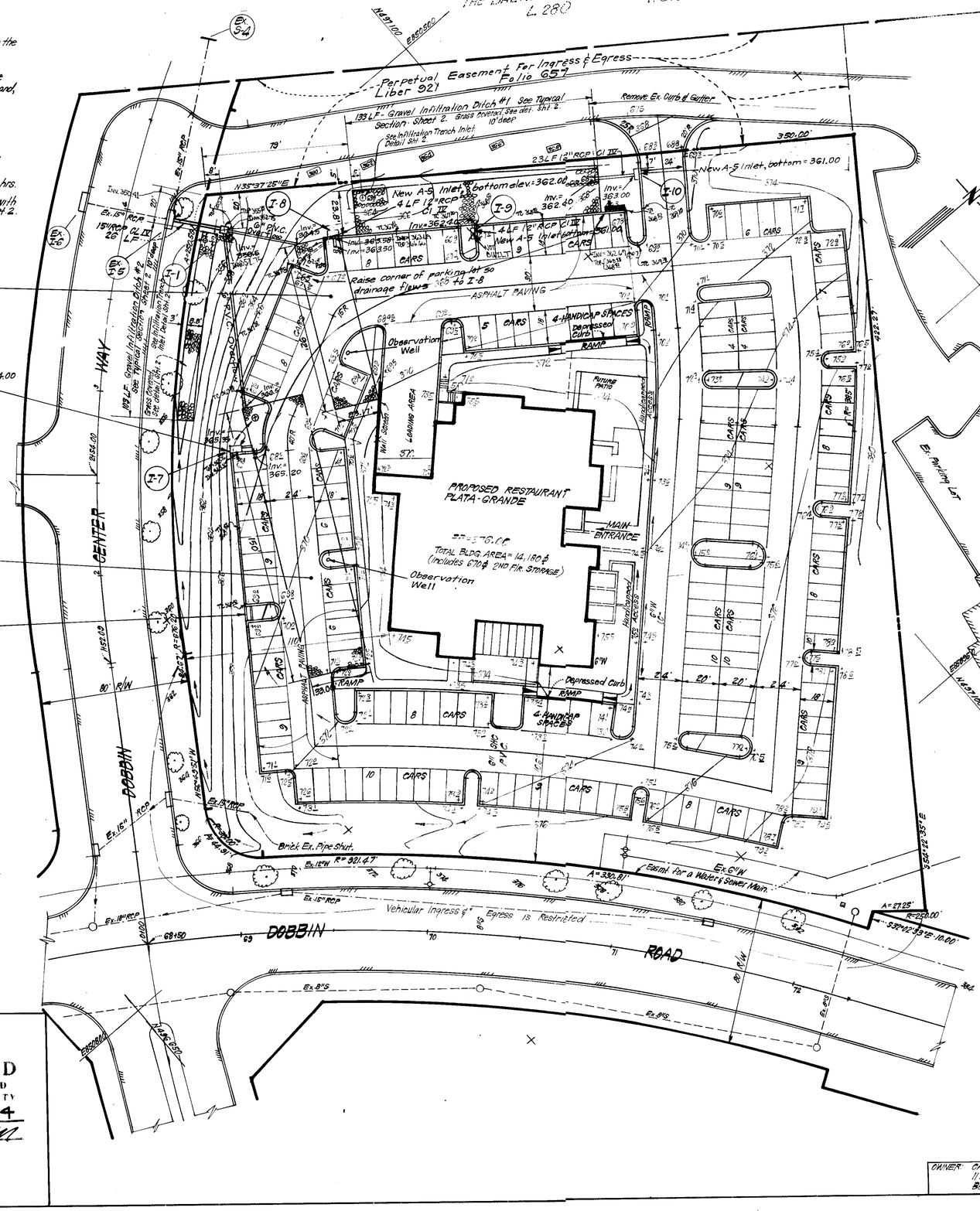
1. Contour Interval — 2 FT
2. Existing Contour — 370
3. Proposed Contour — 370
4. Spot Elevation — + 705
5. Direction of Drainage
6. Existing Trees to be Saved
7. Proposed Storm Drainage — 15"RCP

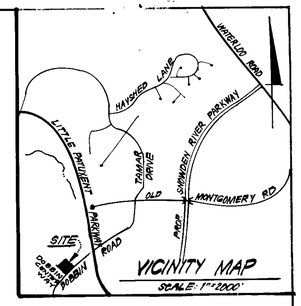
SITE ANALYSIS:

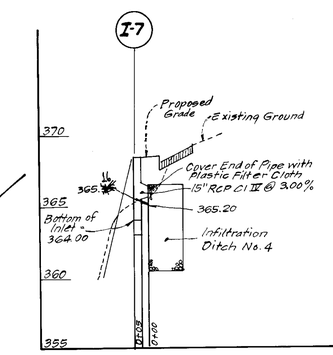
1. Zoning: New Town (Employment Center Commercial)
2. Area: 3.340 Acres
3. Parking Requirements:
   473 Seats @ 1 space/3 seats = 158
   50 Employees @ 1 space/5 employees = 10 (as per regulation 3d of F.D.P.)
   TOTAL: 168
4. Parking Provided 191
5. Building Coverage 13,500 sq ft 9 %
6. Total Floor Area of Bldg. 13,500 sq ft 9 %
7. Open Space to Remain 57,424 sq ft and — %

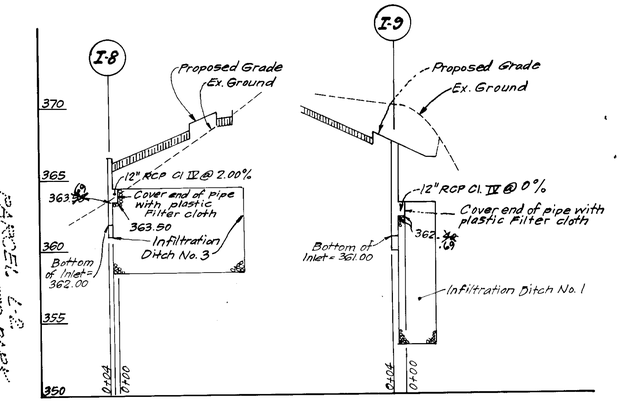


BUILDING ELEVATION
NO SCALE









PROFILES

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

Rev. Date	Rev. No.	Revision Description
12-19-85	1	Added Infiltration Ditches and
		Eliminated Porous Paving.
5-7-86	2	Inlets Added & Profiles

AS-BUILT SURVEY CERTIFIED BY
DONALD B. SACKETT MD. L.S.
NO. 6059 ON 2-20-87.

ADDRESS CHART						
LOT NO.	STREET ADDRESS					
PAR L-3	6490 DOBBIN CENTER WAY					
SUBDIVISION NAME "COLUMBIA"		SECT./AREA		LOT/PARCEL NO.		
DOBBIN ROAD COMMERCIAL CENTER		1 / 1		L-3		
PLAT OR L/F	BLOCK #	ZONE	TAX ZONE MAP	ELEC. DIST.	CENSUS TR.	
4176	17	NT COMM	30	6TH	6065.02	
WATER CODE		SEWER CODE				
E06		5339400				

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 3-4-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 3-5-85
CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. — DATE 3-5-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 2-27-85
ENGINEERING — DATE 2-27-85

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11-14-84

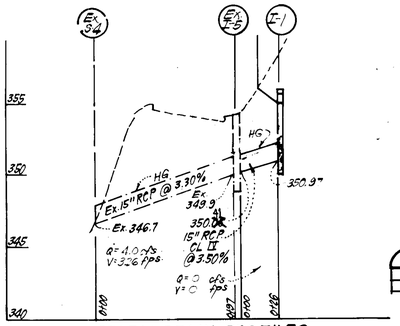
STATE OF MD. No. 7130 REGISTERED PROFESSIONAL ENGINEER
10-24-84

OWNER: CARROLLTON ENTERPRISES LTD. PTN.
11700 Baltoville Drive
Baltoville Md. 20705
DATE 10-24-84

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

DESIGNED	R.G.B. E.P.
DRAWN	K.W.
CHECKED	E.P.
DATE	10-24-84
SCALE	1"=30'
DRAWING	1 OF 5
JOB NO.	84-054

SITE DEVELOPMENT PLAN
PARCEL L-3
COLUMBIA
DOBBIN ROAD COMMERCIAL CENTER
SECTION 1 AREA 1
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR:



STORM DRAIN PROFILES

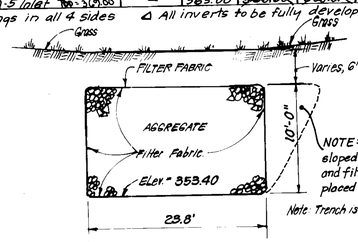
SCALE: HORIZ. 1"=50' VERT. 1"=5'

PIPE SCHEDULE		
SIZE	TYPE	LENGTH
15"	RCP CL III	26 L.F.

STRUCTURE SCHEDULE △

No	TYPE	INV. IN	INV. OUT	TOP ELEVATION UPPER	TOP ELEVATION LOWER	REMARKS	LOCATION
I-1	D Inlet Top=355.75	—	350.37	Not Set		Ho. Co. Std. SD 4.11	See Plan
I-7	A-5 Inlet Top=368.36	—	362.35	368.36*	368.36*	Ho. Co. Std. SD 4.01	See Plan
I-8	A-5 Inlet Top=364.46	—	358.30	364.46*	364.46*	Ho. Co. Std. SD 4.01	See Plan
I-9	A-5 Inlet Top=368.96	—	362.40	368.96*	368.96*	Ho. Co. Std. SD 4.01	See Plan
I-10	A-5 Inlet Top=363.00	—	356.00	363.00*	363.00*	Ho. Co. Std. SD 4.01	See Plan

* Openings in all 4 sides △ All inverts to be fully developed



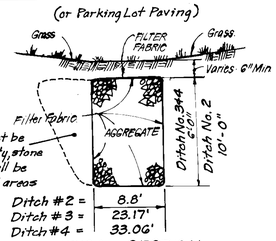
NOTE: If sides must be sloped for stability, stone and filter cloth shall be placed in the sloped areas

Note: Trench is 133' Long.

TYPICAL SECTION INFILTRATION DITCH No. 1

No Scale

(or Parking Lot Paving)

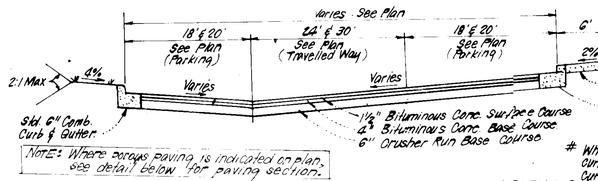


Ditch #2 = 8.8'
Ditch #3 = 23.17'
Ditch #4 = 33.06'

TYPICAL SECTION INFILTRATION DITCH No. 2

No Scale

Note: Aggregates to be clean with a max. diameter of 3" and a min. dia. of 1½". Filter fabric shall completely surround aggregate. Stone surface shall be 2" washed stones. Contractor shall observe all requirements of State Safety Regulations in constructing the trenches.

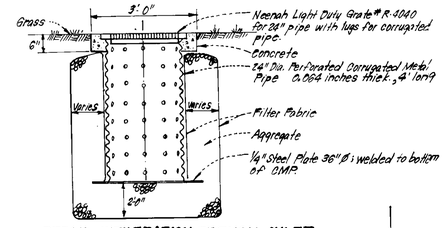


NOTE: Where porous paving is indicated on plan, see detail below for paving section.

Where flow is away from curb & gutter, Rev. 6" Comb. Curb & Gutter shall be used.

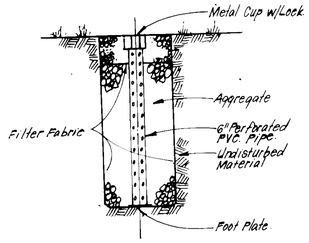
TYPICAL PAVING SECTION - PRIVATE DRIVE & PARKING

NO SCALE



DETAIL - INFILTRATION TRENCH INLET

SCALE: ½" = 1'-0"

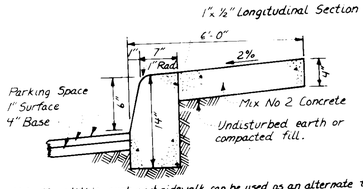


DETAIL OBSERVATION WELL

NO SCALE

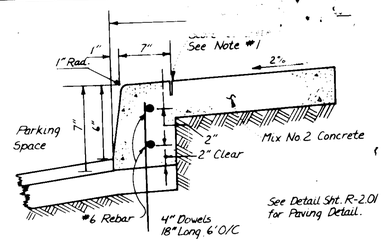
Install 1 observation Well in the center of each ditch.

Notes:
1. Longitudinal Joint between sidewalk & curb shall be continuous and to a depth of ¼ the thickness of the sidewalk or 1" Latitudinal Joints shall run from back edge of sidewalk continuous to the bottom face of curb to a depth of ¼ the sidewalk thickness or 1" and spaced 5' apart.
2. Provide ½" expansion joints at 15' intervals. In latitudinal joints to full cross-section.



MONOLITHIC CURB & SIDEWALK - PRIVATE PARKING AREA

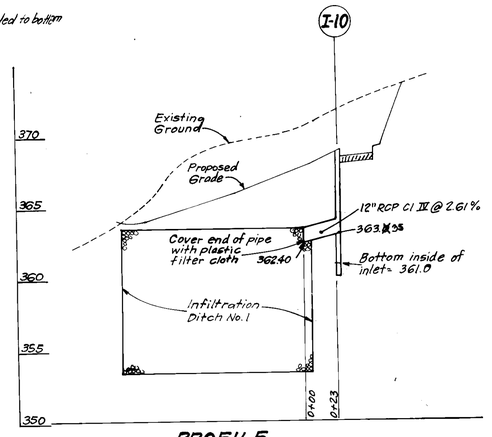
NO SCALE



ALTERNATE SECTION

NO SCALE

Rev. Date	Rev. No.	Revision Description
12-19-85	1	Added Infiltration Ditches and Eliminated Porous Paving.
5-8-86	2	Profile Added for Inlet I-10.



PROFILE

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

CONSTRUCTION METHODS & SPECIFICATIONS FOR POROUS ASPHALT PAVING

1. STABILIZATION

To preclude premature clogging and/or failure of this practice, porous asphalt paving structures shall not be placed into service until all of the surface drainage areas contributing to the pavement have been effectively stabilized in accordance with Maryland Standards and Specifications for Soil Erosion and Sediment Control.

2. SUBGRADE PREPARATION

A. Alter and refine the grades as necessary to bring subgrade to required grades & sections as shown on drawings.

B. The type of equipment used in subgrade preparation construction shall not cause undue subgrade compaction. (Use tracked equipment or oversized rubber tire equipment - DO NOT use standard rubber tired equipment) Traffic over subgrade shall be kept at a minimum. Where fill is required, it shall be compacted to a density equal to the undisturbed subgrade, and inherent soft spots corrected.

3. AGGREGATE BASE COURSE

A. All stone used shall be cleaned, washed, crushed stone, meeting Howard County Specifications.

B. Aggregate shall be of two sizes: the reservoir base course shall be to depth as noted on drawings of aggregate (max. of 3" min. of 1½") and a 2" deep top course of ½" aggregate (max. of ⅝", min. of ¾").

C. Aggregate base course shall be laid over a dry subgrade covered with engineering filter fabric to a depth shown on drawings, in lifts to lay naturally compacted. The stone base course shall be compacted lightly. Keep the base course clean from debris, and sediment.

4. POROUS ASPHALT SURFACE COURSE

A. The surface course shall be laid directly over the ½" aggregate base course and shall be laid in one lift.

B. The laying temperature shall be between 230° and 260°, with min. air temp. of 50°F, to make sure that the surface does not cool prior to compaction.

C. Compaction of surface course shall be done while the surface is cool enough to resist a 10-ton roller. One or two passes by the roller is all that is required for proper compaction. More rolling could cause a reduction in the surface course porosity.

D. Mixing plant shall certify the aggregate mix and abrasion loss factor and the asphalt content in the mix. The asphaltic mix shall be tested for its resistance to stripping by water using ASTM D 1664. If the estimated coating area is not above 95%, anti-stripping agents shall be added to the asphalt.

E. Transporting of mix to site shall be in clean vehicle with smooth dump beds that have been sprayed with a non-petroleum release agent. The mix shall be covered during transportation to control cooling.

F. Mix of asphalt shall be 5.5 to 6 percent of weight of dry aggregate.

G. Aggregate grading shall be as specified in Table 3.9.

5. PROTECTION

After final rolling, no vehicular traffic of any kind shall be permitted on the pavement until cooling and hardening has taken place, and in no case less than 6 hours (preferably a day or two).

6. WORKMANSHIP

A. Work shall be done expertly throughout and without staining or damage to other permanent work.

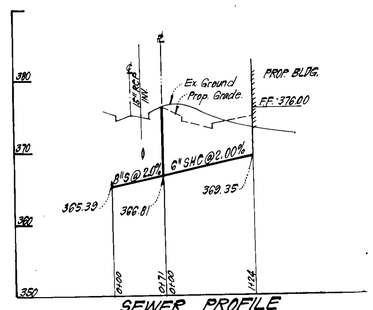
B. Make transition between existing and new paving work neat and flush.

C. Finished paving shall be even, without pockets, and graded to elevations shown.

D. Iron smoothly to grade, all minor surface projections and edges adjoining other materials.

7. CERTIFICATION

An appropriate professional registered in the state of Maryland, shall certify that these specifications were complied with.

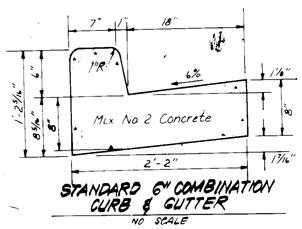


SEWER PROFILE

SCALES: HORIZ. 1"=100' VERT. 1"=10'

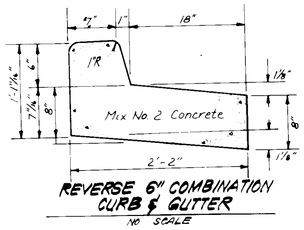
WATER AND SEWER NOTES:

1. All sewer mains shall be PVC, CSPX, VCPX or ADP Class 2400 except where indicated.
2. All construction methods and materials for on-site private water & sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Std. Details & Specs. where necessary.
3. All Water mains shall be Ductile Iron Pipe.
4. All Water mains shall have a min. of 3.5' of cover.
5. Block all fittings with concrete.
6. Sewer house connections shall be built to within 5' of buildings at a slope of 2.0%.
7. 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.



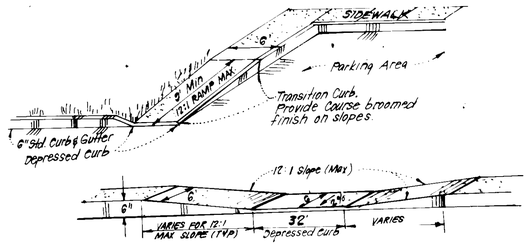
STANDARD 6" COMBINATION CURB & GUTTER

NO SCALE



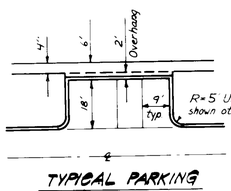
REVERSE 6" COMBINATION CURB & GUTTER

NO SCALE



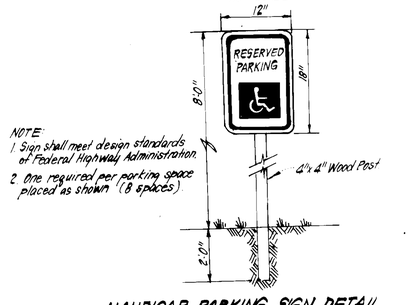
HANDICAP RAMP DETAILS

NO SCALE



TYPICAL PARKING

NO SCALE



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

HANDICAP PARKING SIGN DETAIL

NO SCALE

POROUS (OPEN-GRADED) ASPHALT CONCRETE FORMULATION

MATERIAL	SIEVE	WEIGHT, %	VOLUME, %	PROBABLE PARTICLE DATA: WIDTH, mm	PROBABLE PARTICLE DATA: WEIGHT, gr	No. IN 100 gr. of ASPHALT CONC.
AGGREGATE	Through 1½	2.8	2.2	10.7	1.667	1.7
	Through ⅜	53.6	46.3	8.0	.697	85.5
	Through #4	17.0	13.3	4.0	.087	195.4
SUB-TOTAL--- COARSE AGGREGATE		79.4	61.8			282.6
	Through #8	2.8	2.2	2.0	0.0109	25.6
	Through #16	10.4	8.0	1.0	0.00136	764.7
	Through 200	1.9	1.5	0.06	0.000294	6462.0
ASPHALT		5.5	10.5			
AIR		0	16.0			
		100.0	100.0			

AS-BUILT SURVEY CERTIFIED BY DONALD B. SACKETT Md. L.S. NO. 6099 ON 2-20-87

11-14-84

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

COUNTY HEALTH OFFICER — DATE 3-4-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 3-5-85

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 3-5-85

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

DIRECTOR — DATE 2-27-85

CHIEF BUREAU OF ENGINEERING — DATE 2-27-85

STATE OF MARYLAND G. NELSON CLARK No. 7190 REGISTERED PROFESSIONAL ENGINEER

10-24-84

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

DESIGNED: EP	SITE DEVELOPMENT PLAN STORM DRAIN & PAVING DETAILS PARCEL L-3 COLUMBIA DOBBIN ROAD COMMERCIAL CENTER SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: As Shown
DRAWN: KIW		DRAWING: 2 OF 5
CHECKED: EP		JOB NO.: 84-054
DATE: 10-24-84	FOR: CARROLLTON ENTERPRISES 11700 Beltsville Drive Beltsville Md. 20705	FILE NO.: 84-054

OWNER: CARROLLTON ENTERPRISES LTD. PTN 11700 Beltsville Drive Beltsville Md. 20705

AS-BUILT 2-20-87

SDP-85-56

[illegible]ION SEQUENCE

1. Obtain [illegible] Permit.
2. Install Sediment Control Devices.
3. Clear & Rough Grade Site, excluding Trap #1.
4. Install base course of asphalt paving, excluding areas of porous paving.
5. Stabilize all disturbed areas outside of building area and sediment controls.
6. Construct Building.
7. Install Storm Drainage.
8. Convert Trap #1 from G.O.S.T. to S.I.S.T.
9. Install Water & Sewer Connections.
10. Stabilize all disturbed areas.
11. Remove sediment control devices with approval of SCS inspector.
12. Grade area occupied by trap #1.
13. Install Storm Infiltration devices and stone base for porous paving.
14. Place porous asphalt paving and final pavement course.

LEGEND:

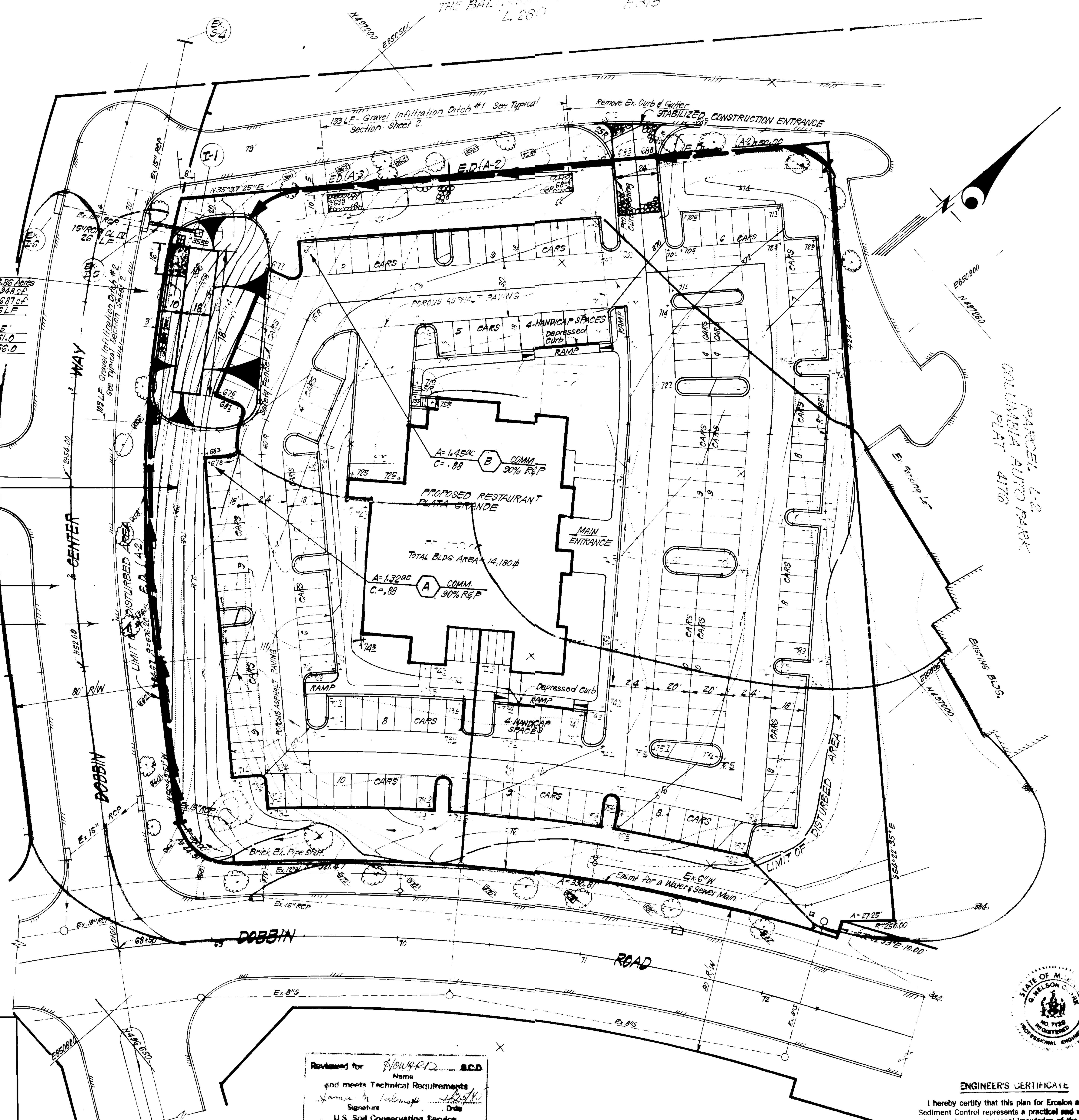
1. Contour Interval — 2 Ft.
2. Existing Contour — 370
3. Proposed Contour — 370
4. Spot Elevation — + 705
5. Direction of Drainage
6. Existing Trees to be Saved
7. Proposed Storm Drainage — 15" RCP
9. Earth Dike — E.D

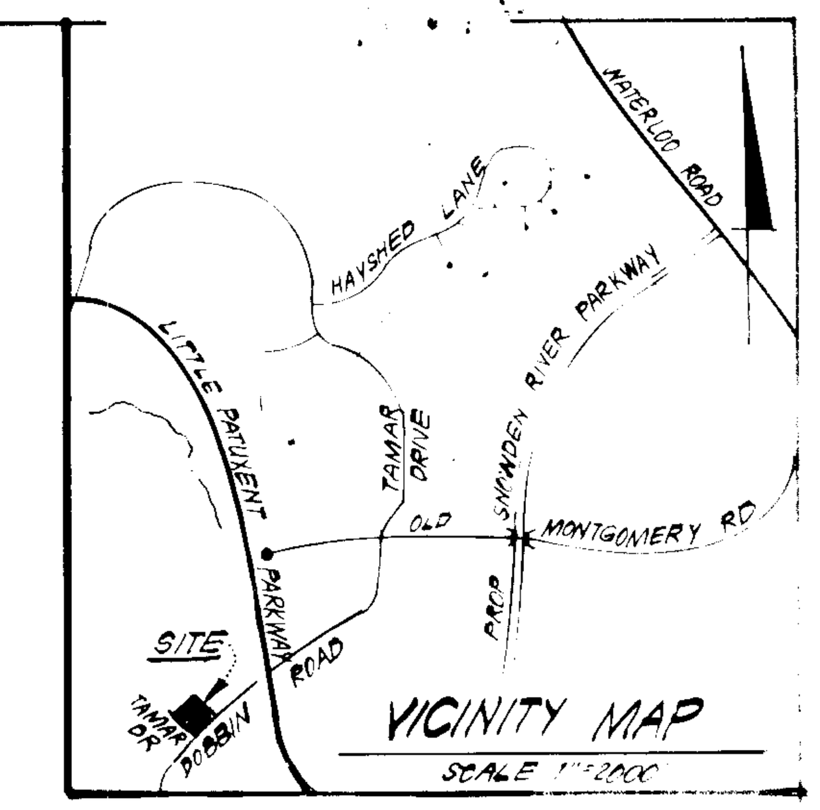
TRAP # 1 G.O.S.T. (ST-II)

Drainage Area:	3.86 Acres
Storage Required:	6948 cf
Storage Provided:	9687 cf
Outlet Length:	16 LF
Storage Depth below Clean out elevation:	2.5'
Bottom elevation:	351.0
Outlet Crest elevation:	356.0

Convert trap to storm drain Inlet Trap after construction of storm drains.

Drainage Area:	3.86 Acres
Storage Required:	6948 cf
Storage Provided:	6949 cf
Outlet Length:	10 LF
(4 openings in inlet, each 2.5' wide)	
Storage Depth below Cleanout Elevation:	2.0'
Bottom Elevation:	351.0
Outlet Crest Elevation:	355.0





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 — Date
COLLEGE PARK CONTRACTORS INC
IRVING L. KIDWELL

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 3-4-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 3-5-85
CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. — DATE 3-5-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 2-27-85
CHIEF BUREAU OF ENGINEERING — DATE 2-27-85

11-14-84

Reviewed for HOWARD S.C.D.
Name
and 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.
Approved — Date

OWNER: CARROLLTON ENTERPRISES LTD. PTN.
11700 Beltsville Drive
Beltsville Md. 20705

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 — 10-24-84 Date

STATE OF MARYLAND G. NELSON CLARK NO. 7139 REGISTERED PROFESSIONAL ENGINEER

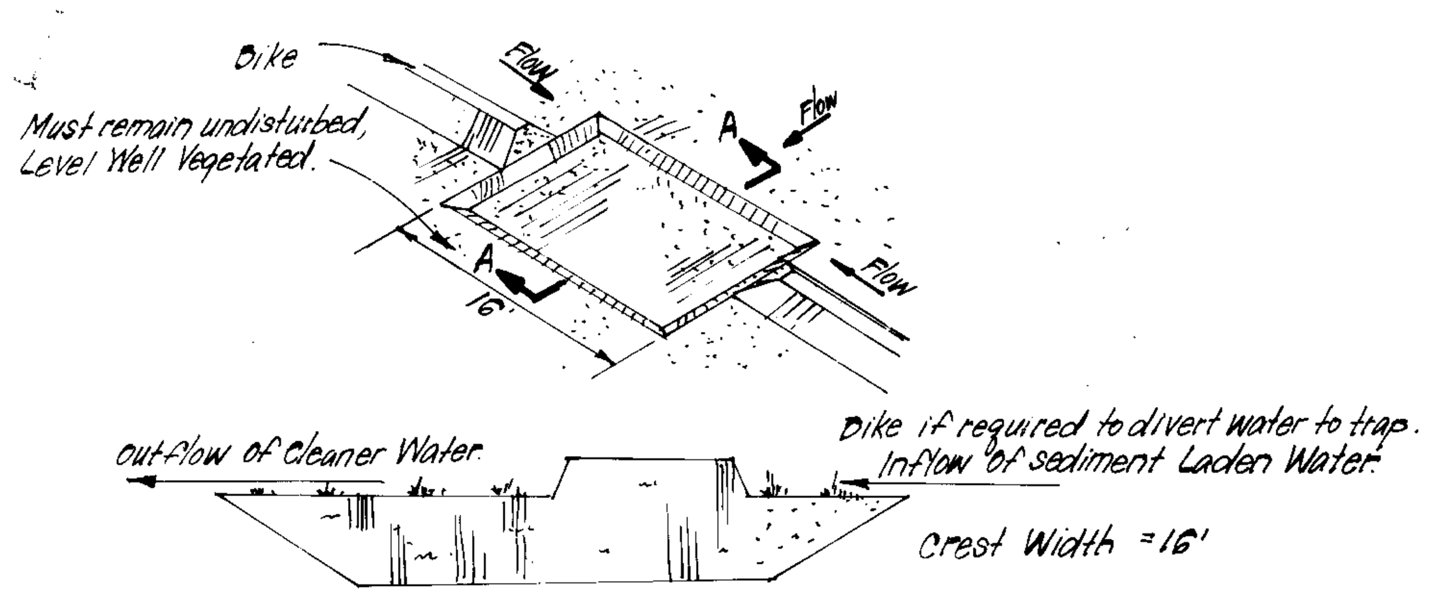
CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) [illegible]

DESIGNED R.G.B. EP	SEDIMENT & EROSION CONTROL PLAN & DRAINAGE AREA MAP PARCEL L-3	SCALE 1"=30'
DRAWN KIW	**COLUMBIA** DOBBIN ROAD COMMERCIAL CENTER SECTION 1 AREA 1	DRAWING 3 OF 5
CHECKED EP	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 84-054
DATE 10-24-84	FOR: CARROLLTON ENTERPRISES 11700 Beltsville Drive Beltsville, Md 20705	FILE NO. 84-054-3E

AS-BUILT 2-20-87

SDP-85-56c

D-3381

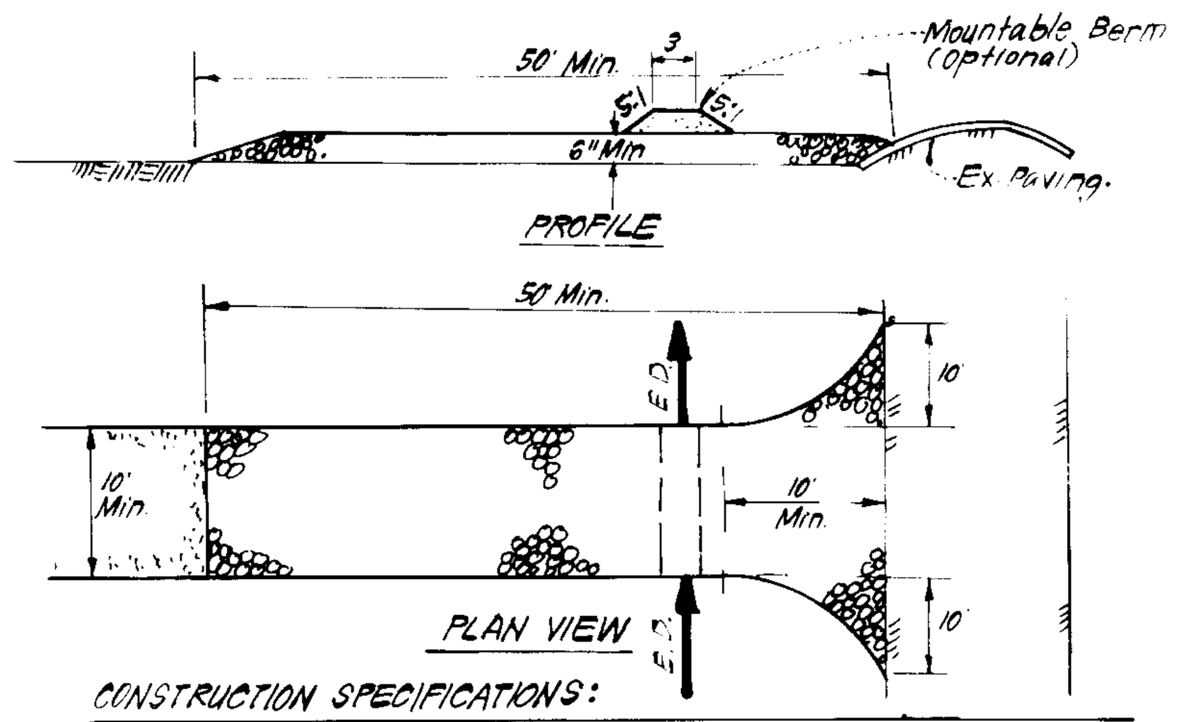


CONSTRUCTION SEQUENCE:

1. Volume of sediment storage shall be 1800 cf/acre of contributory drainage area.
2. Min. Crest width shall be 4 x D.A.
3. 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.
4. The structure shall be inspected after each rain and repairs made as needed.
5. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
6. The sediment trap shall be removed and area stabilized when the remaining drainage area has been properly stabilized.
7. All cut slopes shall be 1:1 or flatter.

GRASS OUTLET SEDIMENT TRAP (G.O.S.T.)

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' min length would apply).
3. Thickness - Not less than 6".
4. Width - Ten foot min, but not less than the full width at point where ingress & egress occur.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights of way. This may require periodic top dressing with additional stone as conditions demand. 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.

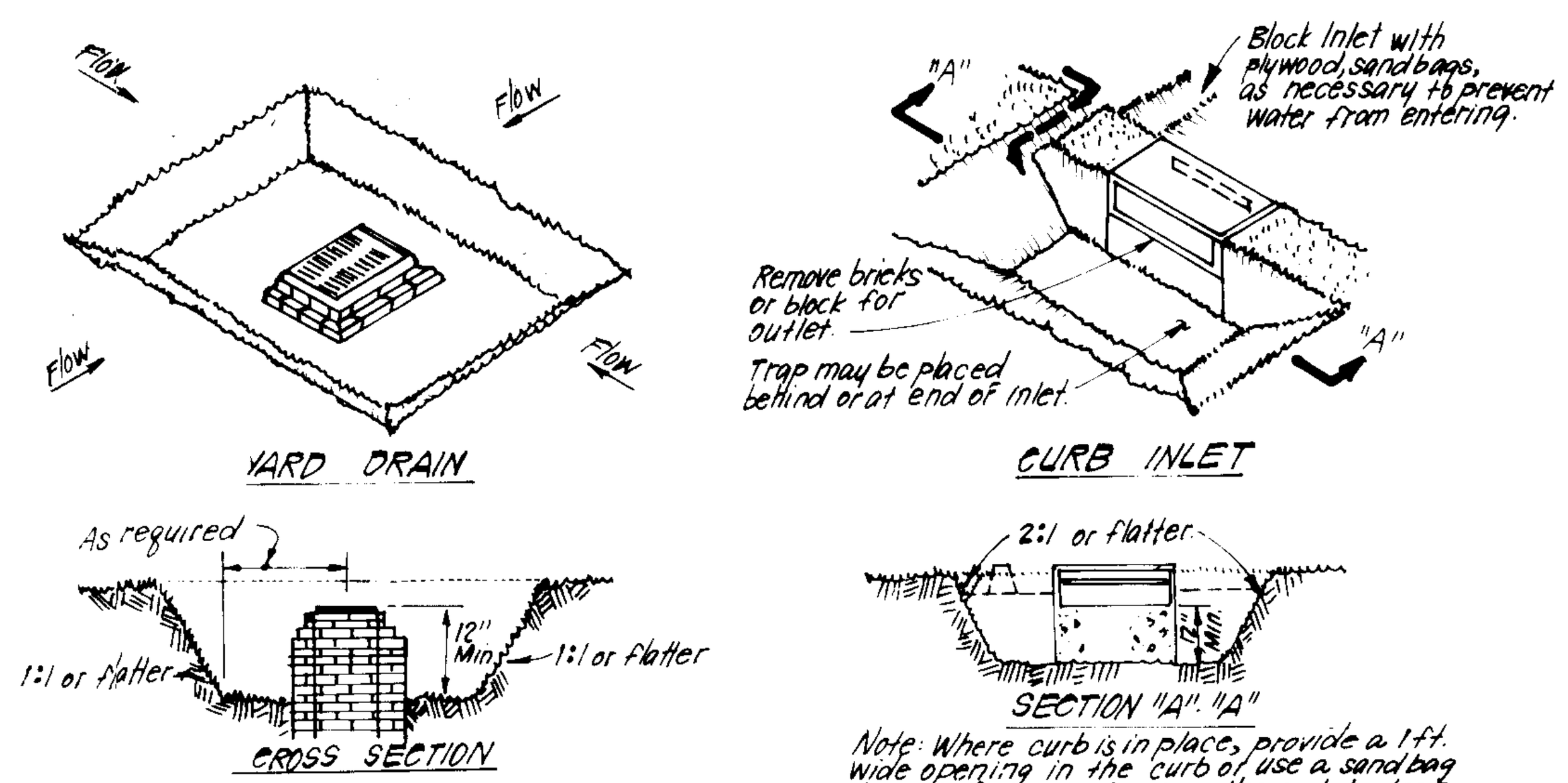
STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)

NO SCALE

Edge of roadw.

GENERAL NOTES

1. Grading Permits shall be obtained prior to installation of sediment control.
2. All Sediment Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
3. Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
4. All Sediment Control Practices to conform to the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control, and shall be adjusted to meet actual field conditions.
5. All structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
6. On Site inspection and maintenance of all sediment control measures including clean-out of Sediment Traps and Dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
7. It will be the developer's responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
8. The contractor shall keep all public roads free of sediment deposits left from traffic leaving construction...
9. Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or borrow area prior to the import of any borrow or export of waste to or from this site.
10. See Pages 51.01 - 51.08 of the Maryland Stds. & Specs. for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding.
11. As per C.O.M.A.R. 08.05.01.06 --- "Following initial soil disturbance or redisturbance, permanent or temp. stabilization shall be completed within: (a) seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to one vertical (3:1) and (b) fourteen days as to all other disturbed or graded areas on the project site."
12. All Pipes to be blocked at the end of each day (See detail below). (Not Req'd.)
13. The total amount of Straw Bale Dikes / Silt Fence shown = None L.F.
14. SITE ANALYSIS:
    - A. Total Area: 3.340 Acres
    - B. Area to be Roofed: 0.300 Acres
    - C. Area to be Paved: 1.630 Acres
    - D. Area to be seeded: 1.120 Acres
    - E. Area Undisturbed: 0.290 Acres
15. All sediment traps shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chap. 12, of the Howard Co. Design Manual for Storm Drainage.



Note: Where curb is in place, provide a 1 ft. wide opening in the curb or use a sand bag dam to force water over the curb to trap.

CONSTRUCTION SPECIFICATIONS:

1. Sediment shall be removed and the trap restored to its original dimensions when 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.
2. The volume of sediment storage shall be 1800 c.f./acre of contributory drainage.
3. The structure shall be inspected after each rain and repairs made as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
5. The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
6. All cut slopes shall be 1:1 or flatter.

STORM INLET SEDIMENT TRAP (S.I.S.T.) ST III

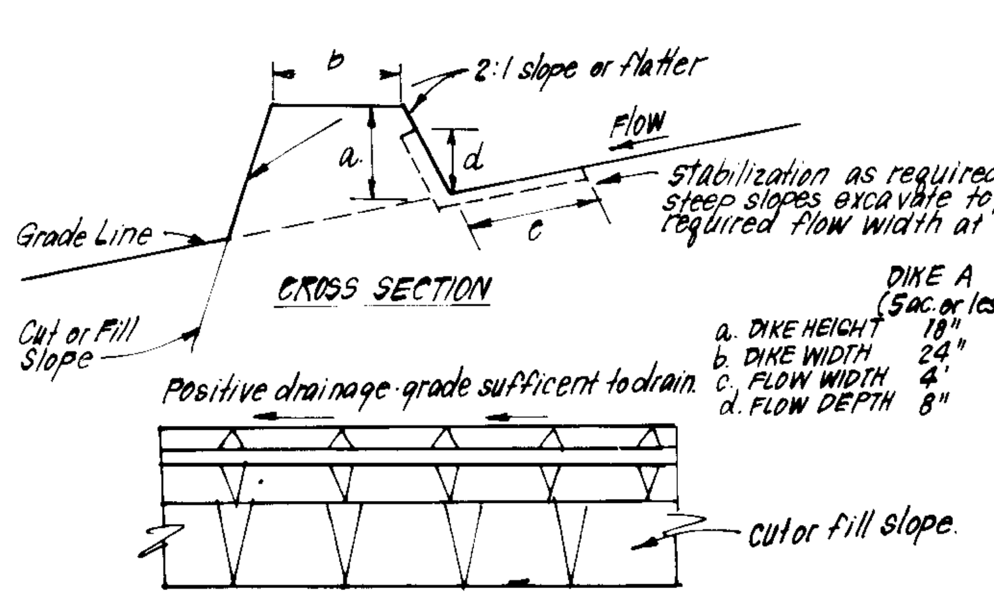
NO SCALE

4' Min

APPROVED

11-14-84

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
[signature]	3-4-85
COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING	
[signature]	3-5-85
PLANNING DIRECTOR	DATE
[signature]	3-5-85
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
[signature]	2-27-85
DIRECTOR	DATE
[signature]	2-27-85
CHIEF BUREAU OF ENGINEERING	DATE



	DIKE A (5 ac. or less)	DIKE B (5-10 ac.)
a. DIKE HEIGHT	18"	36"
b. DIKE WIDTH	24"	36"
c. FLOW WIDTH	4'	6'
d. FLOW DEPTH	8"	15"

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 min. of erosion. Runoff shall be conveyed to a sediment trapping device such a a sediment trap or sediment basin where either the dike or the drainage area above the dike are not adequately stabilized.
6. Stabilization shall be: (A) in accordance with the Stds. & Specs. for Seed and Straw Mulch if not in seeding season (B) flow channel as per Std. Detail ED-1, Pg 10.03 of the Stds. & Specs.

EARTH DIKE DETAIL (E.D.)

NO SCALE

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
[signature] Signature — Date
U.S. Soil Conservation Service

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

[signature] 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."

[signature] Signature of Developer/Builder — 10-23-84 Date
COLLEGE PARK CONTRACTORS INC.
IRVING L. KIDWELL

STATE OF MARYLAND — G. NELSON CLARK — NO. 7136 — REGISTERED PROFESSIONAL ENGINEER

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 — 10-24-84 Date

OWNER: CARROLLTON ENTERPRISES LTD. PTN.
11700 Beltsville Drive
Beltsville, Md 20705

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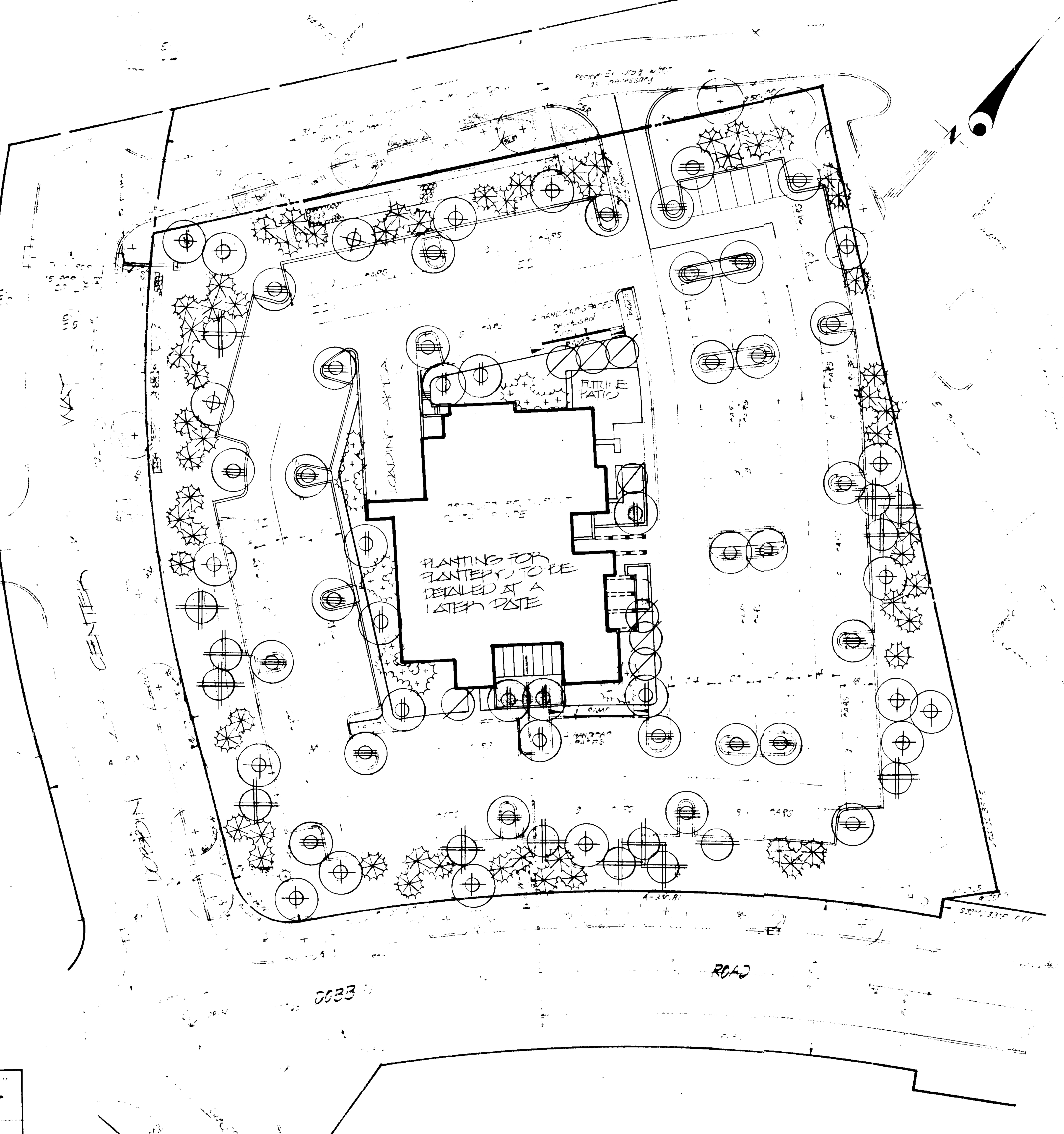
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED: EP	SEDIMENT & EROSION CONTROL PLAN DETAILS PARCEL L-3	SCALE: As Shown
DRAWN: KIW	**COLUMBIA** DOBBIN ROAD COMMERCIAL CENTER SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING: 4 OF 5
CHECKED: EP		JOB NO: 84-054
DATE: 10-24-84	FOR: CARROLLTON ENTERPRISES 11700 Beltsville Drive Beltsville, Md. 20705	FILE NO.: 84-054-SE

AS-BUILT 2-20-87

SDP-85-56c



PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
	ZELKOVA SERR. 'VILL GR.' VILLAGE GREEN ZELKOVA	2½-3" CAL. 12-14' HT.	29	B&B HEAVY HEAD
	ACER RUBRUM 'OCT. GL' OCTOBER GLORY MAPLE	↓	18	↓
	SOPHORA JAP. 'REGENT' REGENT SCHOLARTREE	↓	10	↓
	PRUNUS SERR. 'KWANZAN' KWANZAN CHERRY	2-2½" CAL. 8-10' HT.	15	↓
	CRATAEGUS PHAENOPYRUM WASHINGTON HAWTHORN	↓	8	↓
	PINUS STROBUS EASTERN WHITE PINE	6-8' HT	62	B&B HEAVY
	TSUGA CANADENSIS CANADIAN HEMLOCK	6-8' HT.	20	B&B HEAVY

DATE	REVISION
10-18-84	REVISED PKNG TO REFLECT SDP REVISION
11-19-84	REVISED BLDG TO REFLECT ARCH. REVISION
1-15-85	REVISED PLANT LIST AS PER HRD COMMENTS

NOTE:

- CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
- ALL PLANTING SHALL BE DONE IN COMPLIANCE WITH ATTACHED SPECIFICATIONS.
- SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT. (593-3400).

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
11-14-84

3-4-85
3-5-85
3-5-85
2-27-85
2-27-85

OWNER: CARROLLTON ENTERPRISES LTD. PTN.
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LANDSCAPE PLANTING PLAN

PARCEL L-3
COLUMBIA - DOBBIN ROAD COMM. CENTER
SECTION 1 AREA 1 - 6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: CARROLLTON ENTERPRISES
11700 BELTSVILLE DRIVE
BELTSVILLE, MD 20705

DESIGNED	DRAWN	CHECKED	DATE	DRAWING	JOB NO	FILE NO
J.B.C.	J.B.C.	N.H.T.	9-84	5 OF 5	84 054	LS 84 054

SDP-85-56c AS-BUILT 2-20-87