

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUMBING STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. 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 ALL EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS BUREAU OF CONSTRUCTION DIVISION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
  - MISS UTILITY 1-800-257-7777
  - CAP TELEPHONE COMPANY 725-9976
  - HOWARD COUNTY BUREAU OF UTILITIES 313-4900
  - AT&T CABLE LOCATION DIVISION 393-3553
  - BALTIMORE GAS & ELECTRIC COMPANY 685-0123
  - STATE HIGHWAY ADMINISTRATION 531-5533
- TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY ASPHALT.
- TOPS TAKEN FROM FIELD RUN SURVEY DATED NOV, 1999 BY RIEMER MUEGGE AND ASSOCIATES, INC. CONTOURS SHOWN AT 2 FOOT INTERVALS.
- VERTICAL CONTROL ESTABLISHED USING NO. CO. MONUMENTS 3044 & 4430. HORIZONTAL CONTROL ESTABLISHED FROM MARYLAND STATE COORDINATE SYSTEM.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER INTO OR ADJACENT WATERS OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SURFACE. ANY PAVEMENT SECTION DETERMINED BY THE GEOTECHNICAL ENGINEER THAT IS LESS THAN THE HOWARD COUNTY MINIMUM STANDARD, SHALL FIRST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- FLOODPLAIN SHOWN HEREIN IS BASED ON A PLAT PREPARED BY VETHEAN REGURAT & ASSOCIATES, PLATBOOK 27, FOLIO 53.
- COUNTY FILE NO.: SGP-75-76, F-74-200, F-60-50, PDP PLUMB 110-A-E
- INDICATES GRAVEL AREA TO BE REMOVED AND TO BE REPLACED WITH TOPSOIL, GOOD AND MULCH IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.
- THE LANDSCAPE MANUAL REQUIREMENTS ARE PROVIDED BY THE RETENTION OF EXISTING TREES.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED. APPROVAL OF THE INSPECTION AGENCY OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE ANY PAVING, GRADING, OR OTHER BUILDING OR CHANGING OPERATIONS MAY BE INITIATED UNTIL THIS APPROVAL BY THE INSPECTION AGENCY IS MADE.

**SITE ANALYSIS:**

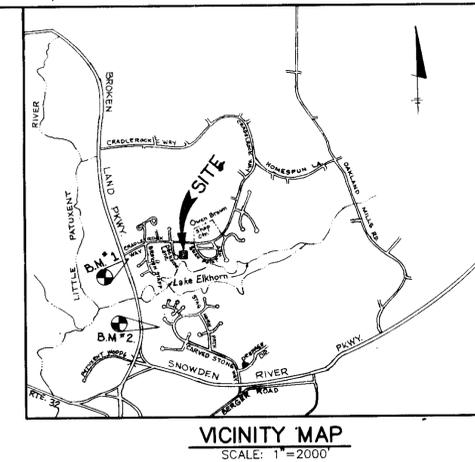
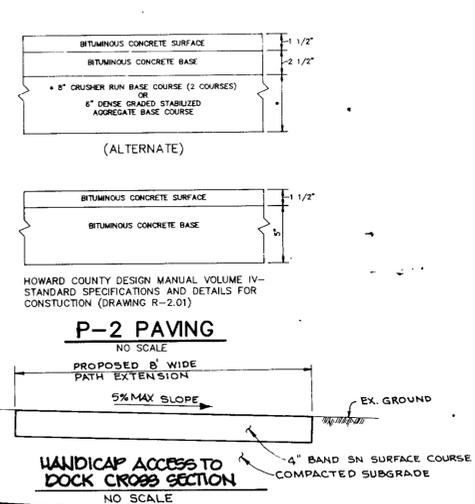
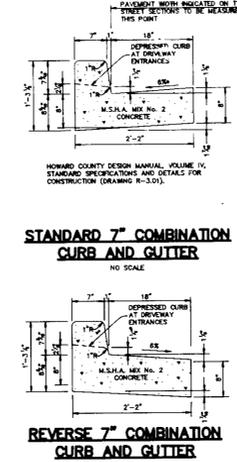
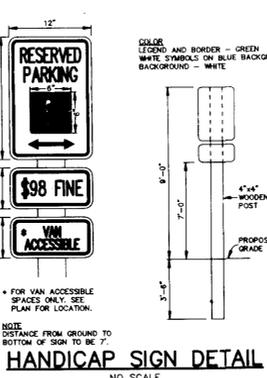
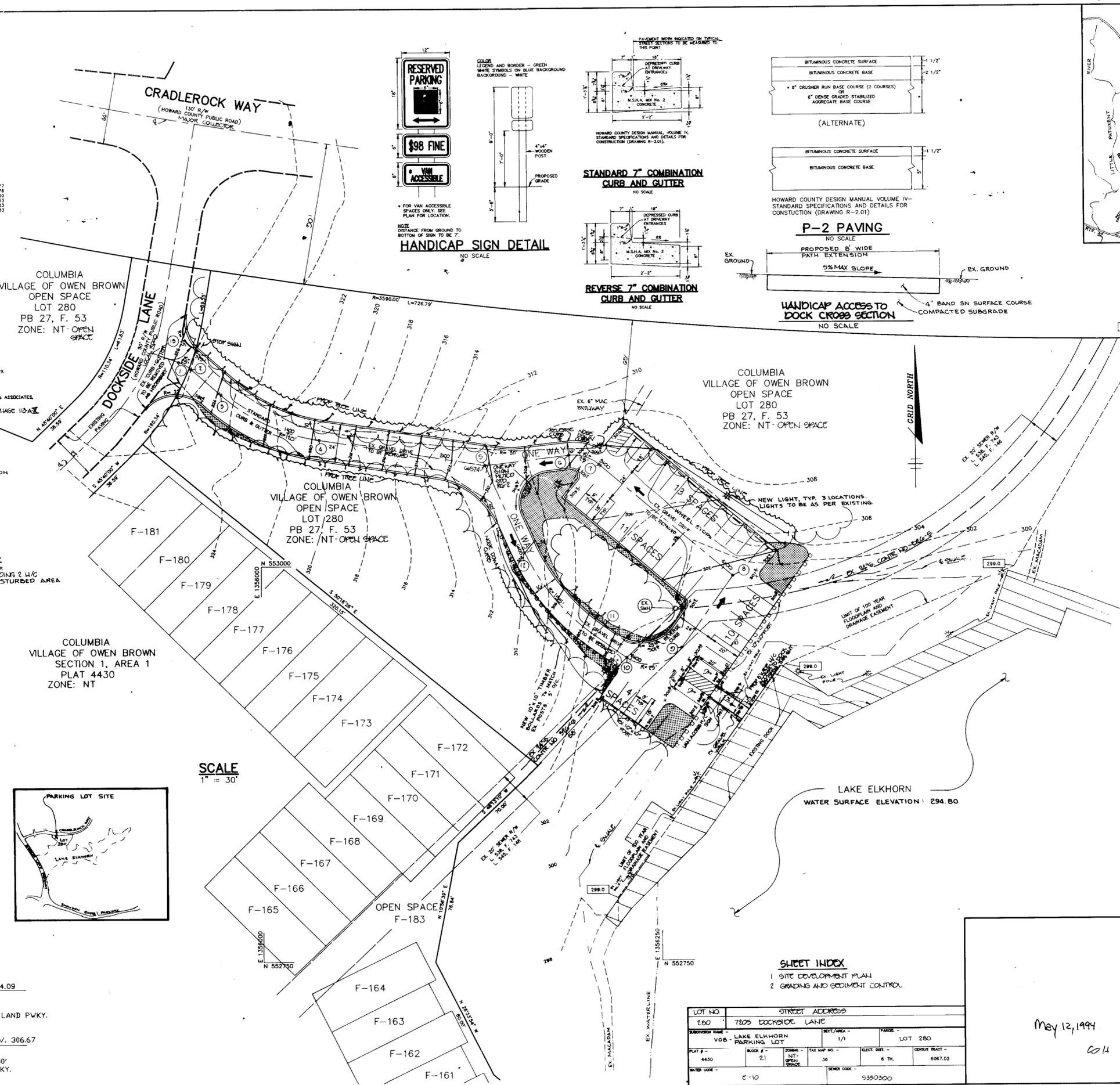
- AREA OF SITE DISTURBED: 0.74 AC OR 32254.4 SQ. FT.
- PRESENT ZONING: NT-OPEN SPACE, PDP PLUMB 110-A-E
- NUMBER OF PARKING SPACES PROVIDED ON SITE: 200
- PAVED PARKING LOT/AREA ON SITE: 0.466/0.2% OF DISTURBED AREA

NO.	NORTH	EAST
1	2811.12	1000.00
2	2811.12	1000.00
3	2811.12	1000.00
4	2811.12	1000.00
5	2811.12	1000.00
6	2811.12	1000.00
7	2811.12	1000.00
8	2811.12	1000.00
9	2811.12	1000.00
10	2811.12	1000.00
11	2811.12	1000.00
12	2811.12	1000.00

**BENCHMARKS**

BM # 1 ELEV. 314.09  
 HD. CO. 364B - N. 552978.34, E. 1354677.92  
 BRASS PLATE SET ON TOP OF CONCRETE MONUMENT 95'  
 SOUTH OF INTERSECTION CRADLEROCK WAY ON BROKEN LAND PKWY.

BM # 2 ELEV. 306.67  
 HD. CO. 42BB - N. 551394.00, E. 1355639.50  
 BRASS PLATE SET ON TOP OF CONCRETE MONUMENT 1050'  
 NORTH OF SNOWDEN RIVER PKWY. ON BROKEN LAND PKWY.



COLUMBIA VILLAGE OF OWEN BROWN  
 OPEN SPACE  
 LOT 280  
 PB 27, F. 53  
 ZONE: NT-OPEN SPACE

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 OPEN SPACE  
 LOT 280  
 PB 27, F. 53  
 ZONE: NT-OPEN SPACE

COLUMBIA VILLAGE OF OWEN BROWN  
 OPEN SPACE  
 LOT 280  
 PB 27, F. 53  
 ZONE: NT-OPEN SPACE

COLUMBIA VILLAGE OF OWEN BROWN  
 SECTION 1, AREA 1  
 PLAT 4430  
 ZONE: NT

**SCALE**  
1" = 30'

LAKE ELKHORN  
 WATER SURFACE ELEVATION: 294.80

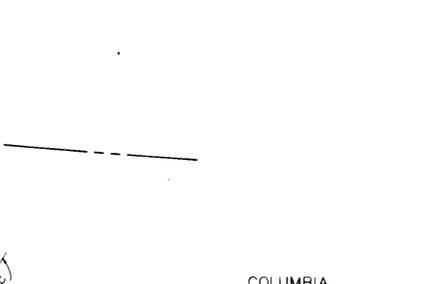
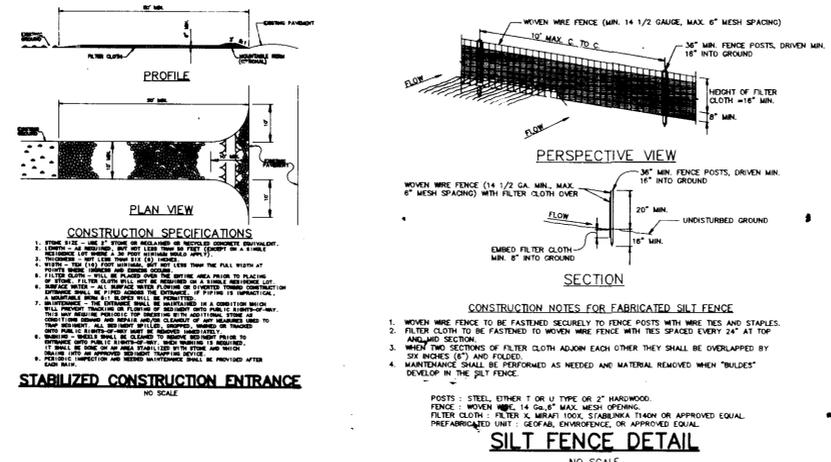
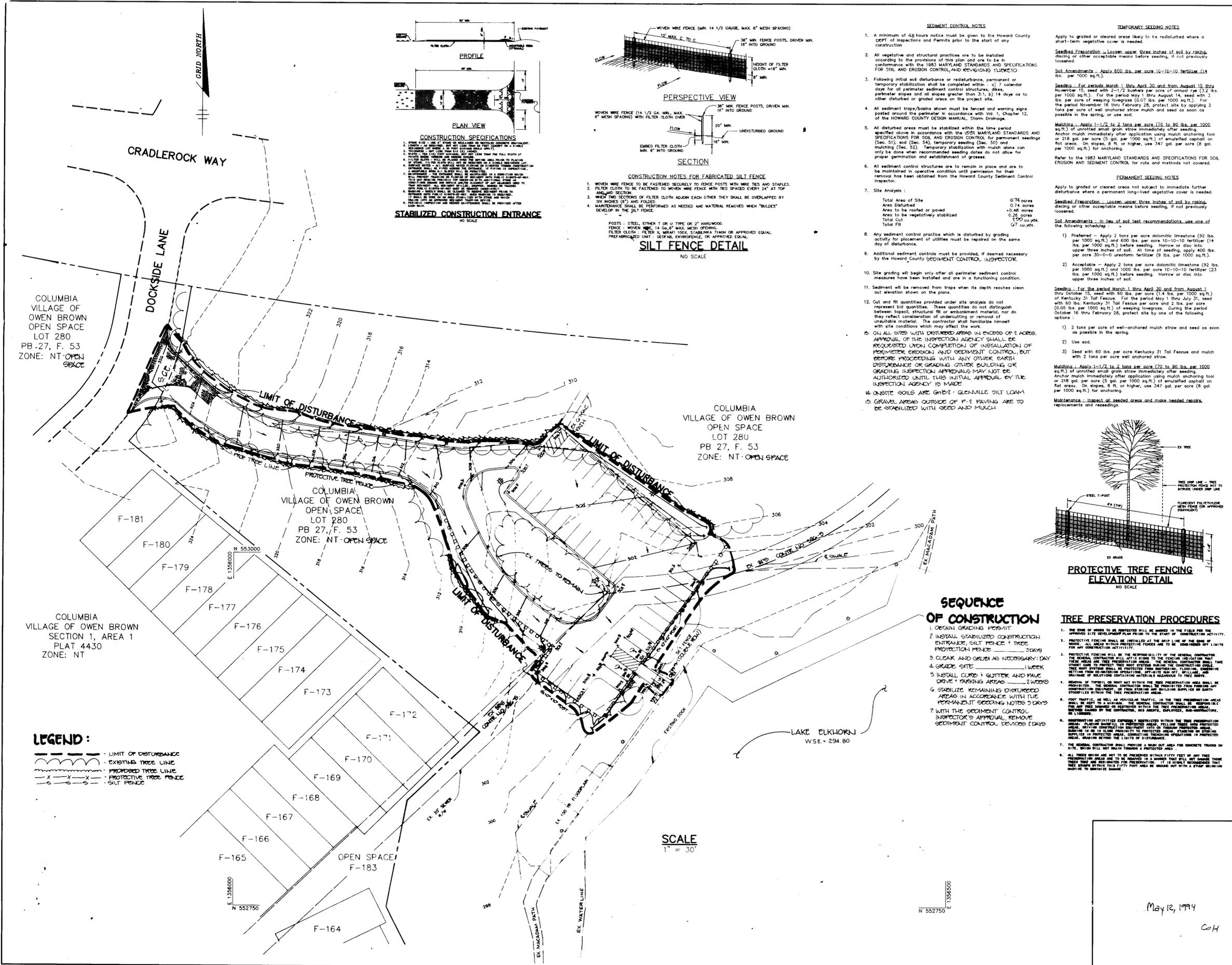
**SHEET INDEX**  
 1 SITE DEVELOPMENT PLAN  
 2 GRADING AND SEDIMENT CONTROL

LOT NO.	STREET ADDRESS
280	7205 DOCKSIDE LANE

OWNER/DEVELOPER	RET./AREA	PARCEL
VOB - LAKE ELKHORN PARKING LOT	1/1	LOT 280
PLAT # - 4430	BLOCK # - 21	TAX MAP NO. - 36
LOT - 280	SECT. DIST. - 6 TH.	GENUS TRACT - 6067.02
WATER CODE - C-10	SEWER CODE - 5330300	

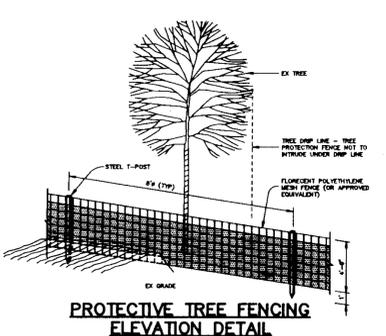
AS BUILT - CERTIFICATE	
JAYKANT D. PAREKH #19148	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	
<i>Jay Parekh</i>	4/21/95
DIRECTOR	DATE
<i>Aino Surmanovic</i>	4/21/95
CHIEF, DIVISION LAND DEVELOPMENT AND RESEARCH	DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>Sam J. ...</i>	3/8/95
DIRECTOR	DATE
<i>Bill ...</i>	3/7/95
CHIEF, BUREAU OF ENGINEERING M.K.	DATE
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA ASSOCIATION 10221 WINDOPIA CIRCLE COLUMBIA, MARYLAND 21044 P/O DENNIS CULLO (410) 312-6925	
PROJECT	
LAKE ELKHORN PARKING LOT	
AREA	
TAX MAP 36 PARCEL 280 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE	
SITE DEVELOPMENT PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
11-7-94	P-74-500, SGP-75-76, F-60-50, PDP PLUMB-110-A-E
DATE	DESIGNED BY: D.R.T.
	DRAWN BY: J.T.D.
	PROJECT NO: 95900
	DATE: NOVEMBER 7, 1994
	SCALE: AS SHOWN
<i>J. ...</i>	DRAWING NO. 1 OF 2
JAYKANT D. PAREKH #19148	

May 12, 1994



- SEDIMENT CONTROL NOTES**
1. A minimum of 48 hours notice must be given to the Howard County Dept. of Inspections and Permits prior to the start of any construction.
  2. 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 AND EROSION CONTROL AND REVISIONS THEREAFTER.
  3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: (a) 7 calendar days for all perimeter sediment control structures, dikes, silt fence, and other erosion control devices; (b) 14 days for all other disturbed or graded areas on the project site.
  4. All sediment traps/basins must be fenced and warning signs posted around the perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
  5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
  6. 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.
  7. Site Analysis:
 

Total Area of Site	0.74 acres
Area Disturbed	0.74 acres
Area to be roofed or paved	0.48 acres
Area to be vegetatively stabilized	0.26 acres
Total Cut	750 cu.yds.
Total Fill	0.00 cu.yds.
  8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
  9. Additional sediment controls must be provided, if deemed necessary by the Howard County SEDIMENT CONTROL INSPECTOR.
  10. Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
  11. Sediment will be removed from traps when its depth reaches clean out elevation shown on the plans.
  12. Cut and fill quantities provided under site analysis do not represent big quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unstable material. The contractor shall familiarize himself with site conditions which may affect the work.
  13. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUIRED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL. BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
  14. ON SITE SOILS ARE GRB2 - GLENMILE SILT LOAM IN GRAVEL AREAS OUTSIDE OF P-2 PAVING ARE TO BE STABILIZED WITH SEED AND MULCH.
- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
- Seeding Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments:** Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).
- Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual ryegrass (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.7 lbs. per 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. per 1000 sq.ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 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.
- PERMANENT SEEDING NOTES**
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seeding Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments:** In lieu of soil test recommendations, use one of the following schedules:
- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 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. per 1000 sq.ft.).
  - 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.
- Seeding:** For the period March 1 thru April 30 and from August 15 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 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 (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options:
- 1) 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
  - 2) Use sod.
  - 3) Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.
- Mulching:** Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.
- Maintenance:** Inspect all seeded areas and make needed repairs, replacements and reseedings.



- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT
  2. INSTALL STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE + TREE PROTECTIVE FENCING - 2 DAYS
  3. CLEAR AND GRADE AS NECESSARY/ DAY
  4. GRADE SITE - 1 WEEK
  5. INSTALL CURB + GUTTER AND PAVE DRIVE + PARKING AREAS - 2 WEEKS
  6. STABILIZE REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES 3 DAYS
  7. WITH THE SEDIMENT CONTROL INSPECTOR'S APPROVAL, REMOVE SEDIMENT CONTROL DEVICES 2 DAYS
- TREE PRESERVATION PROCEDURES**
1. THE SPECIES OF TREES TO BE PRESERVED WILL BE LISTED IN THE FIELD FOR THE APPROVED SITE DEVELOPMENT PLAN PRIOR TO THE START OF CONSTRUCTION ACTIVITY.
  2. PROTECTIVE FENCING SHALL BE INSTALLED ALONG THE TREE LINE OF THE TREES TO BE PRESERVED. ALL AREAS WITHIN PROTECTIVE FENCING ARE TO BE CONSIDERED OFF LIMITS FOR ANY CONSTRUCTION ACTIVITIES.
  3. PROTECTIVE FENCING WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE.
  4. REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION AREA SHALL BE PROHIBITED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE.
  5. ROOT TRIMMING SHALL BE LIMITED TO THE TREE PRESERVATION AREA. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE.
  6. CONSTRUCTION OF UTILITIES EXISTING WITHIN THE TREE PRESERVATION AREA SHALL BE LIMITED TO THE TREE PRESERVATION AREA. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE.
  7. THE GENERAL CONTRACTOR SHALL PROVIDE A MARK-OUT AREA FOR CONCRETE TRUCKS ON SITE. TRUCKS SHALL NOT BE ALLOWED TO ENTER THE TREE PRESERVATION AREA.
  8. ALL TREES WHICH ARE NOT TO BE PRESERVED WITHIN FIFTY FEET OF ANY TREE TRUNK SHALL BE REMOVED PRIOR TO THE START OF CONSTRUCTION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FENCING. THE GENERAL CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE TREE TRUNKS FROM DAMAGE.

COLUMBIA VILLAGE OF OWEN BROWN OPEN SPACE LOT 280  
PB 27, F. 53  
ZONE: NT-OPEN SPACE

COLUMBIA VILLAGE OF OWEN BROWN OPEN SPACE LOT 280  
PB 27, F. 53  
ZONE: NT-OPEN SPACE

COLUMBIA VILLAGE OF OWEN BROWN OPEN SPACE LOT 280  
PB 27, F. 53  
ZONE: NT-OPEN SPACE

COLUMBIA VILLAGE OF OWEN BROWN SECTION 1, AREA 1 PLAT 4430  
ZONE: NT

- LEGEND:**
- - - - - LIMIT OF DISTURBANCE
  - - - - - EXISTING TREE LINE
  - - - - - PROPOSED TREE LINE
  - - - - - PROTECTIVE TREE FENCE
  - - - - - SILT FENCE

SCALE  
1" = 30'

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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER \_\_\_\_\_ DATE \_\_\_\_\_

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.

*J. Parekh* \_\_\_\_\_ DATE \_\_\_\_\_  
ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

*Peter J. Papp* \_\_\_\_\_ DATE \_\_\_\_\_  
U.S. SOIL CONSERVATION SERVICE

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

*John P. Robertson* \_\_\_\_\_ DATE \_\_\_\_\_  
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*James S. Smith* \_\_\_\_\_ DATE \_\_\_\_\_  
DIRECTOR

*Anna Stumm* \_\_\_\_\_ DATE \_\_\_\_\_  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

*James S. Smith* \_\_\_\_\_ DATE \_\_\_\_\_  
DIRECTOR

*Charles E. Spain* \_\_\_\_\_ DATE \_\_\_\_\_  
SHEP. BUREAU OF ENGINEERING P.L.K.

DATE	NO.	REVISION

OWNER / DEVELOPER

COLUMBIA ASSOCIATION  
10221 WINDUPPIN CIRCLE  
COLUMBIA, MARYLAND 21044  
% MR DENIS ELLIS  
(410) 512-6225

PROJECT  
**LAKE ELKHORN PARKING LOT**

AREA  
TAX MAP 36 - PARCEL 280  
6th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

TITLE  
**GRADING & SEDIMENT CONTROL**

RIEMER MUEGGE & ASSOCIATES, INC.  
Engineers & Surveyors  
8818 Centre Park Drive, Suite 200 Columbia, Md. 21045  
410-997-8900 FAX: 410-997-9282

DATE: 11-7-94  
DESIGNED BY: D.R.P.  
DRAWN BY: J.T.D.  
PROJECT NO.: 05000  
DATE: NOVEMBER 7, 1994  
SCALE: AS SHOWN  
DRAWING NO.: 2 OF 2

May 12, 1994  
C.H.

J. Parekh #19148

SDP-94-102