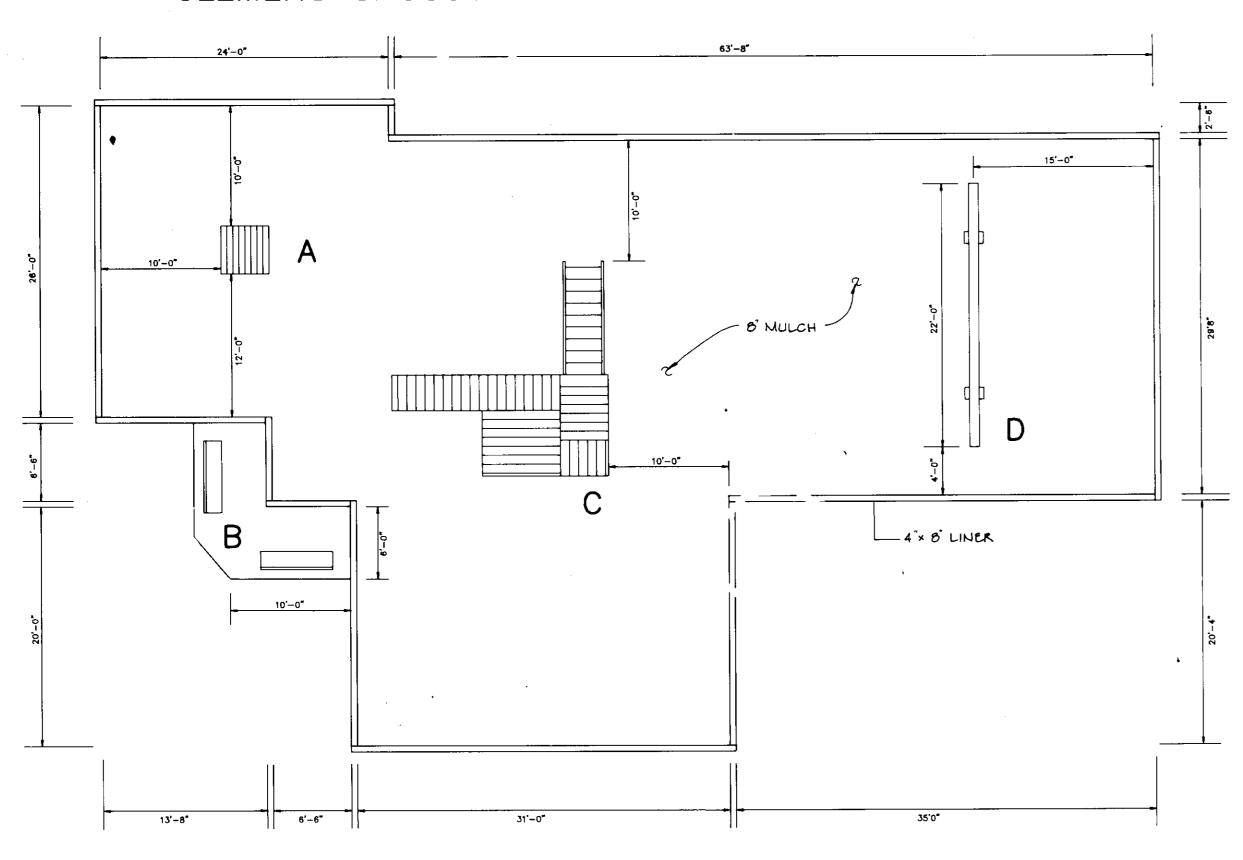


## CLEMENS CROSSING WEST TOT LOT - AREA 2



PLAN
SCALE: 1/8"=1"

### SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT
- INSTALL SILT FENCE AND TREE PROTECTION FENCE (I WEEK) 3. CLEAR AND GRUB AREA OF CONSTRUCTION AND
- GRADE AREA FOR TOT LOT (3 WEEKS)
- 4. INSTALL TOT LOT AND MAINTAIN POSITIVE DRAINAGE (4 WEEKS) 5. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR,
- REMOVE SILT FENCE AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES. (I WEEK)

#### PERMANENT SEEDING NOTES

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, if not previously

#### 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 ibs. 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.

options:
Seeding: For the period March 1 thru April 30 and from August 1 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

- 1) 2 tons per acre of well—anchored mulch straw and seed as soon as possible in the spring.
- 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 unrotted 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 <del>dreas.</del> 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.

# EQUIPMENT LIST AREA 2

- A SPRING PAD (4'x 4')
- (2) BENCHES (2'x 6')

4" x 8" LANDSCAPE TIMBERS

# 5 REBAR SPACED B'ON CENTER

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a

Seedbed Preparation: Loosen upper three inches of soil by raking.

discing or other acceptable means before seeding, if not previously

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14

Seeding: For periods March 1 thru April 30 and from August 15 thru

per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For

the period November 16 thru February 28, protect site by applying 2

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000

Anchor mulch immediately after application using mulch anchoring tool

or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on

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

flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal.

sq.ft.) of unrotted small grain straw immediately after seeding.

tons per acre of well anchored straw mulch and seed as soon as

November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs.

EDGING DETAIL

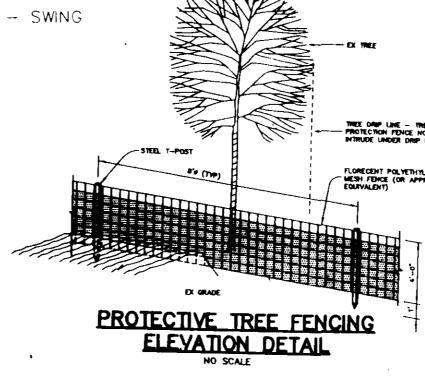
short-term vegetative cover is needed.

possible in the spring, or use sod.

per 1000 sq.ft.) for anchoring.

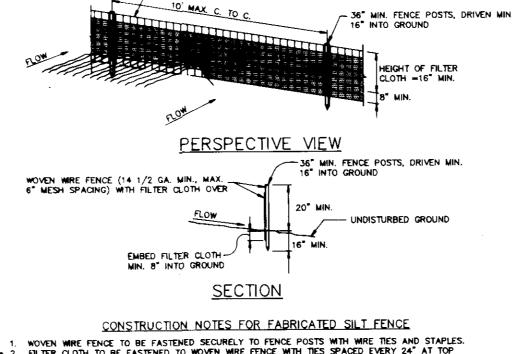
(JOINTS ARE TO BE SHIPLAPPED)

- FORT R-3 WITH 12' SLIDE, HORIZONTAL LADDER, & FIREPOLE
- SEAT DOUBLE 'T' SWING



#### TREE PRESERVATION PROCEDURES

- 1. THE EDGE OF WOODS TO BE PROTECTED WILL BE MARKED IN THE FIELD PER THE APPROVED SITE DEVELOPMENT PLAN PRIOR TO THE START OF CONSTRUCTION ACTIVITY.
- PROTECTIVE FENCING WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR WILL AFFIX SIGNS TO THE FENCING INDICATING THAT THESE AREAS ARE THEE PRESERVATION AREAS. THE GENERAL CONTRACTOR SHALL TAKE UTWOST CAME TO PROTECT TREE ROOT SYSTEMS DURING THE CONSTRUCTION CYCLE. TREE ROOT SYSTEMS SHALL BE PROTECTED FROM SMOTHERING, FLOODING, EXCESSIVE WETTING FROM DE-WATERING OPERATIONS, OFF—SITE RUN OFF, SPILLAGE, AND DRAINAGE OF SOLUTIONS CONTAINING MATERIALS HAZARDOUS TO TREE ROOTS. REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION AREA SHALL B PROHIBITED. THE GENERAL CONTRACTOR SHALL BE PROHIBITED FROM PARKING ANY CONSTRUCTION EQUIPMENT, OR FROM STORING ANY BOILDING SUPPLIES OR EARTH STOCKPILES WITHIN THE TREE PRESERVATION AREAS.
- FOOT TRAFFIC, AS WELL AS VEHICULAR TRAFFIC, IN THE TREE PRESERVATION AREAS SHALL BE KEPT TO A MINIMUM. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TREE DAMAGED OR DESTROYED WITHIN THE TREE PRESERVATION AREAS, OR LICENSES.
- . THE GENERAL CONTRACTOR SHALL PROVIDE A WASH OUT AREA FOR CONCRETE TRUMES ON SITE, WHICH WILL NOT DRAIN TOWARDS A PROTECTED AREA.
- ALL TREES WHICH ARE NOT TO BE PRESERVED WITHIN FIFTY FEET OF ANY TREE PRESERVATION AREAS ARE TO BE REMOVED IN A MANNER THAT WILL NOT DAMAGE THOSE TREES THAT ARE DESIGNATED FOR PRESERVATION. IT IS HIGHLY RECOMMENDED THAT TREE STRAIPS WITHIN THIS FIFTY FOOT AREA BE GROUND OUT WITH A STUMP GRINDING MACHINE TO MINIMIZE DAMAGE.



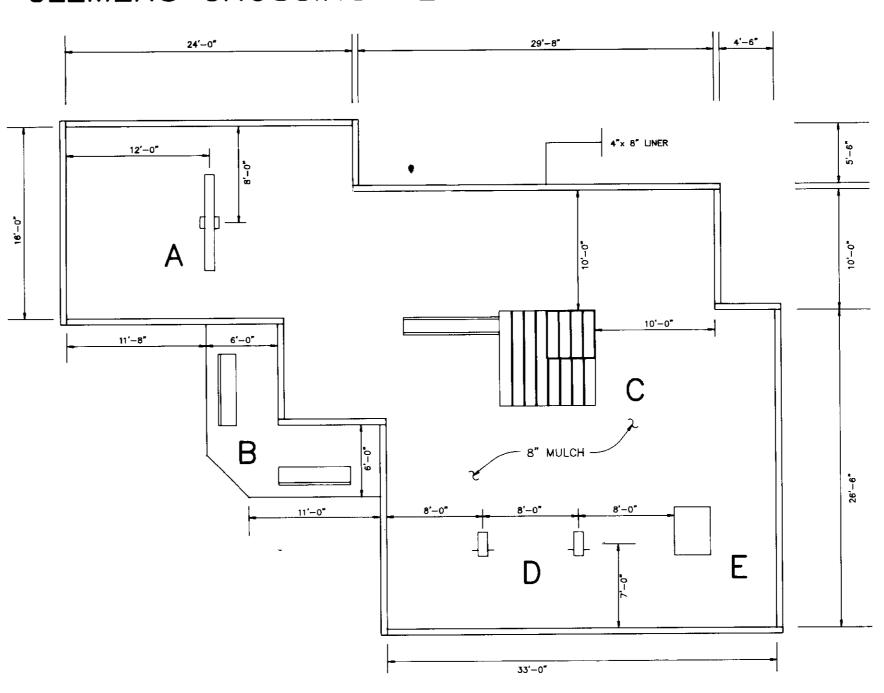
WOVEN WIRE FENCE (MIN. 14 1/2 GAUGE, MAX. 6" MESH SPACING)

 WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES AND STAPLES.
 CO. FILTER CLOTH TO BE FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES (6") AND FOLDED.

4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULDES" DEVELOP IN THE SILT FENCE.

> POSTS: STEEL, EITHER T OR U TYPE OR 2" HARDWOOD.
> FENCE: WOVEN WIRE, 14 GU.,6" MAX. MESH OPENING.
> FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
> PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL. SILT FENCE DETAIL

# CLEMENS CROSSING WEST TOT LOT - AREA 1



PLAN

SCALE: 1/8"=1

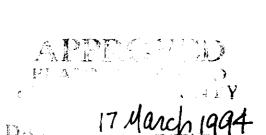
#### EQUIPMENT LIST AREA 1

- A 'T' SWING
- CONCRETE PAD WITH (2) BENCHES (2'x 6')
- FORT 101 WITH 8' SLIDE
- (2) SPRING ANIMALS
- CRAWL THROUGH TUBE

# 17 March 1994

#### SEDIMENT CONTROL NOTES

- 1. 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 (313-4900).
- 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.
- 3. 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 other disturbed or graded areas on the project site.
- 4. All sediment traps/basins shown 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 dates 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 : OPEN SPACE LOT 106 Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized Total Cut Total Fill
- 10.32 acres 0.20 acres 0.00 acres 0.29 acres 1**40** cu.yds. 53 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 Department of Public Works Sediment Control
- 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 bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work.



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

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.

**ENGINEER** 

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

5.25.94

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION

AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING 6/17/94

CHIEF. DIVISION OF LAND DEVELOPMENT

OWNER / DEVELOPER

AND RESEARCH

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

G/B/94 DATE CHIEF DEUREAU OF ENGINEERING CD COLOM DATE NO. **REVISION** 

> COLUMBIA ASSOCIATION 10221 WINCOPIN CIRCLE COLUMBIA, MARYLAND 21044

CLEMENS CROSSING WEST TOT LOTS

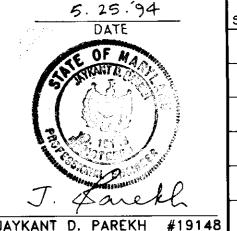
AREA VILLAGE OF HICKORY RIDGE SEC. G AREA G, LOT 106 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

GRADING AND SEDIMENT CONTROL NOTES &

TOT LOT LAYOUT PLAN

RIEMER MUEGGE & ASSOCIATES, INC.

Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, Md 21045 410-997-8900 FAX: 410-997-9282 509-90-167 F-90-96



SDP-90-154, SDP-90-166 DESIGNED BY : DBS DRAWN BY : DBS

PROJECT NO : 93700 SCALE : AS SHOWN

DRAWING NO. 2 OF 2