

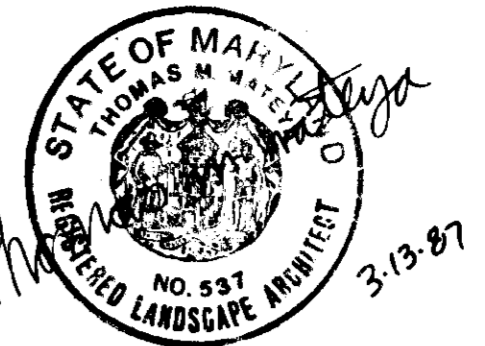
VICINITY MAP

PLANT LIST				
QUANTITY	SYM.	BOTANICAL/COMMON NAME	SIZE	COMMENTS
<b>DECIDUOUS CANOPY</b>				
25	AR	ACER RUBRUM / OCTOBER GLORY / OCT. GLORY RED MAPLE	2 1/2" - 3" CAL	B:D
21	AG	ACER SACCHARUM / GREEN MOUNTAIN / SUGAR MAPLE	2 1/2" - 3" CAL	B:D
9	US	LIGULAMBUR STRASCAPULIA / AMERICAN SWEET GUM	2 1/2" - 3" CAL	B:D
21	PA	FRAXINUS ACERIFOLIA / LINDEN PLANE TREE	2 1/2" - 3" CAL	B:D
20	OC	FRAXINUS COCCINEA / CARLET OAK	2 1/2" - 3" CAL	B:D
20	QP	QUERCUS PHELLOS / WILLOW OAK	2 1/2" - 3" CAL	B:D
<b>ORNAMENTAL</b>				
8	CC	CERCIS CALADENSIS / EASTERN REDBUD	2" - 2 1/2" CAL / 8' - 10' TALL	B:D
14	CF	CORNUS FLORIDA / FLOWERING DOGWOOD	2" - 2 1/2" CAL / 8' - 10' TALL	B:D
7	CFR	CORNUS FLORIDA 'RUERA' / PINK FLOWER-ING DOGWOOD	2" - 2 1/2" CAL / 8' - 10' TALL	B:D
10	CO	SPYRIDAEUS SYCALITHA 'PAULI' / PAUL'S SWEET SPYRDE	2" - 2 1/2" CAL / 8' - 10' TALL	B:D
6	CP	KRATAEGUS FRAKEDOPYRUM / WASHINGTON HAWTHORN	2" - 2 1/2" CAL / 8' - 10' TALL	B:D
16	MS	MALVOLA SOULALICANA / SALICER	2" - 2 1/2" CAL / 8' - 10' TALL	B:D
15	PSC	FRAXINUS GARGENTII / GARGENT CHERRY	2" - 2 1/2" CAL / 8' - 10' TALL	B:D
1	PSC	FRAXINUS GARGENTII / GARGENT CHERRY	2 1/2" - 3" CAL / 10' - 12' TALL	B:D
<b>EVERGREEN</b>				
51	PI	PIRUS LIGRA / AUSTRALIAN FILE	2" - 2 1/2" CAL / 6' - 8' TALL	B:D
70	PS	PIRUS STROBUS / EASTERN WHITE FILE	2" - 2 1/2" CAL / 6' - 8' TALL	B:D

**NOTES:**  
 1. PLANTING TO BE PERFORMED BY ALL CONTRACTORS  
 2. PLANTING TO BE IN ACCORDANCE WITH ALL SPECIFICATIONS  
 3. CONTRACTOR SHALL CALL MISS UTILITIES TO VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION FOR PLANTING  
 4. PLANTS TO BE MULCHED IN BEDS, BEDS TO BE SQUARED OFF

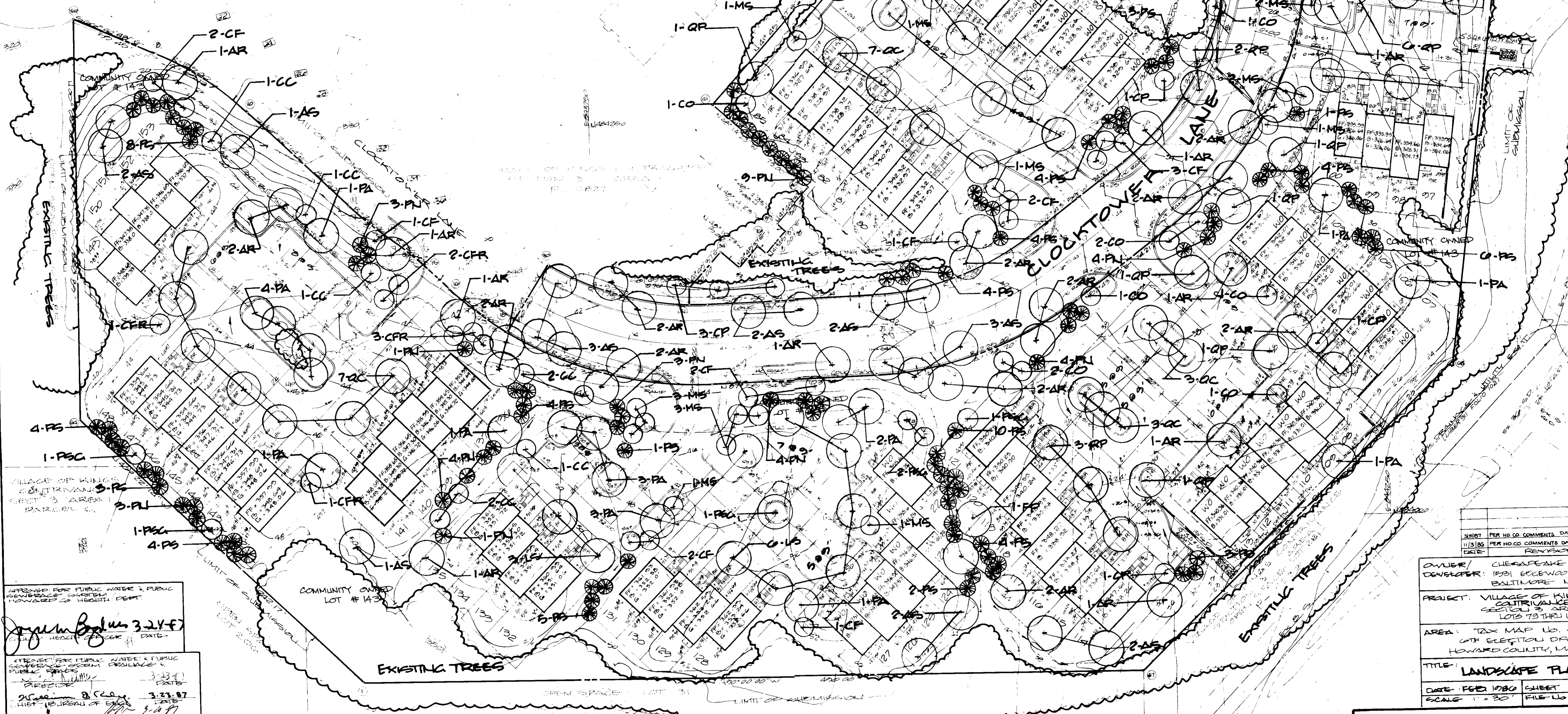
**TOLERANCES:**  
 NUMBER OF LOTS: 75  
 NUMBER OF TREES PER LOT (25/LOT): 225  
 NUMBER OF SHADE TREES PER LOT (AT LEAST 50%): 113  
 NUMBER FLOWERING / EVERGREEN PER LOT (2:1): 225

SHADE TREES PROVIDED: 120  
 FLOWERING TREES PROVIDED: 67  
 EVERGREEN TREES PROVIDED: 130



6-20-86  
 MS-1111

\*NOTE: THIS PLAN FOR LANDSCAPING PURPOSES ONLY.



APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 THOMAS M. DAVIS 3-22-87  
 CLERK, PUBLIC WORKS AND UTILITIES DEPARTMENT

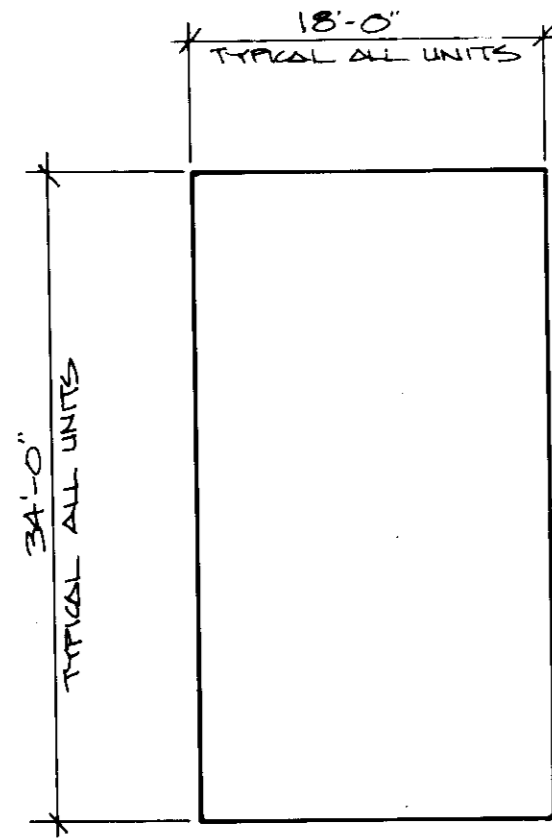
APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 THOMAS M. DAVIS 3-26-87  
 CLERK, PLANNING DEPARTMENT

SUBDIVISION NAME VILLAGE OF KINGS CONFERENCE	SECTION/AREA 5/1	LOT NO. 10-100
PLAT NO. 1010-1005	BLOCK NO. 15	TAX/ZONE 4C
WATER CODE E 15	SEWER CODE 5180000	ELEC. DIST. G74
		CENSUS TR. 6062

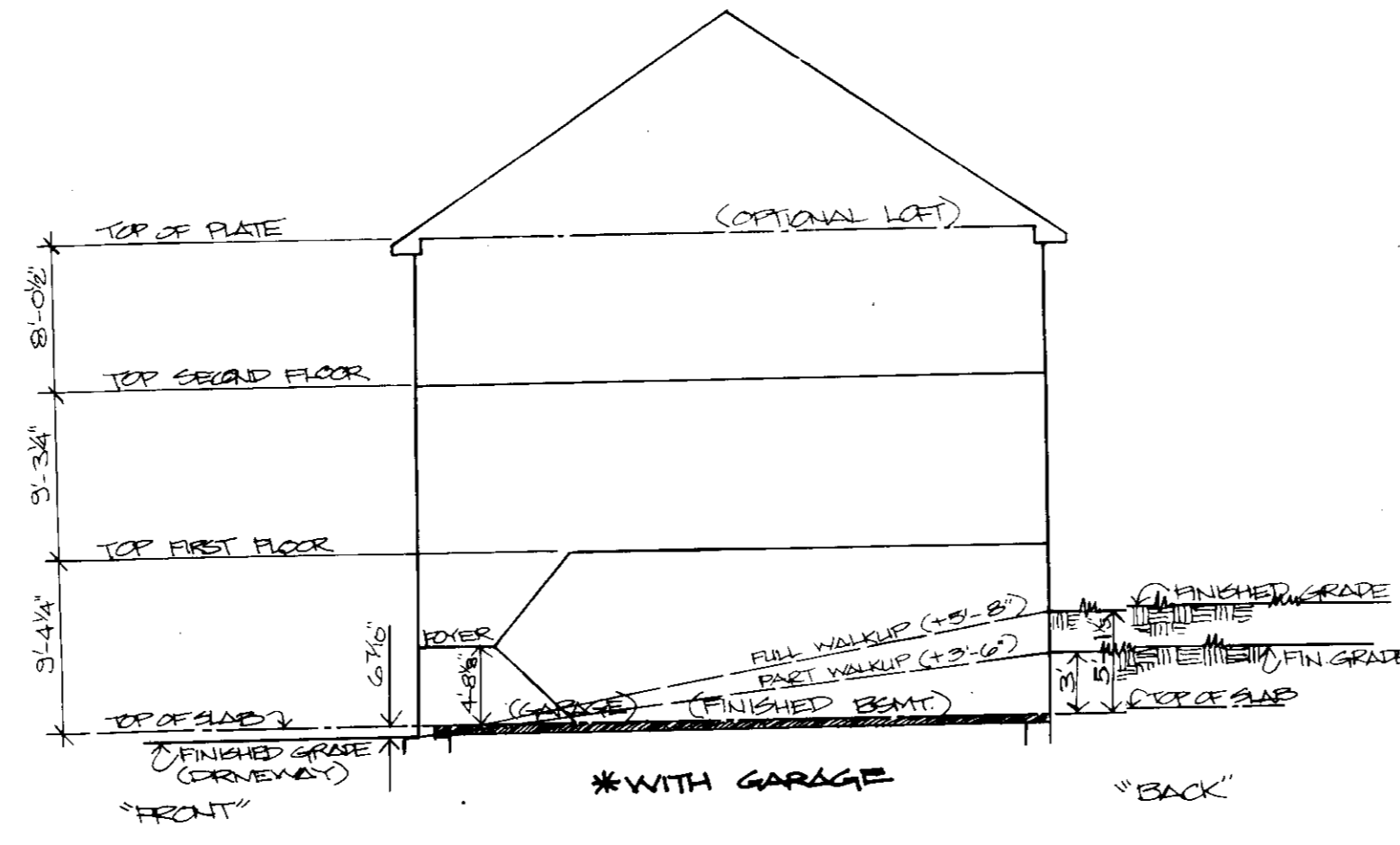
OWNER/DEVELOPER	CHESSAPEAKE HOMES INC 1931 EDGEWOOD ST. STE 1 BALTIMORE, MD 21227
PROJECT	VILLAGE OF KINGS CONTRIBUTION SERVICED 35 AREA 1 LOTS 79 THRU 153
AREA	TAX MAP NO. 42 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	LANDSCAPE PLAN
DATE	FEB 1986
SCALE	1" = 30'
SHEET	2 OF 7
FILE NO.	

**Dewberry & Davis**  
 Architects Engineers Planners Surveyors  
 3300 N. Ridge Road, Suite 100  
 Ellicott City, MD 21043  
 301-451-7474  
 Metro 621-4970

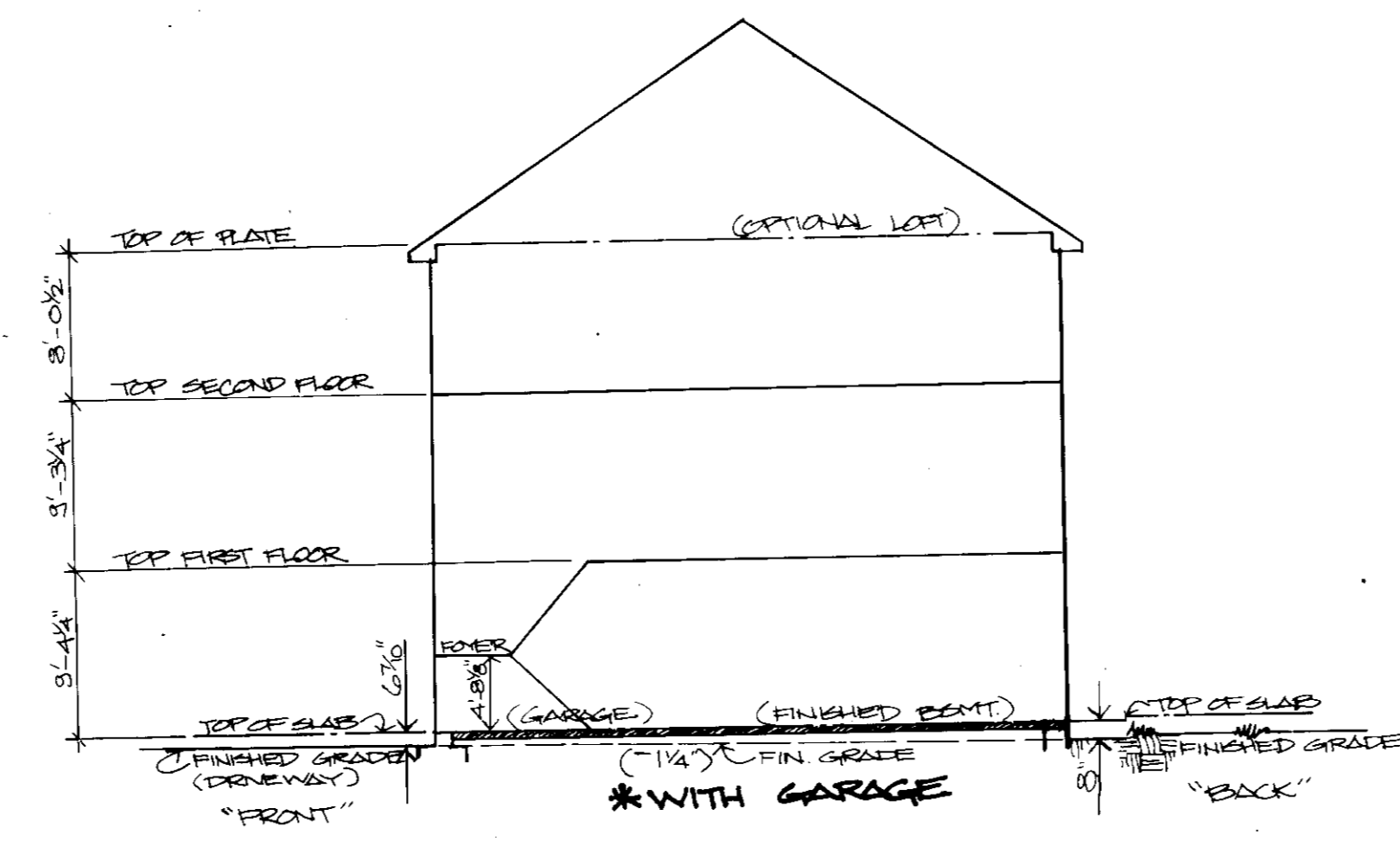




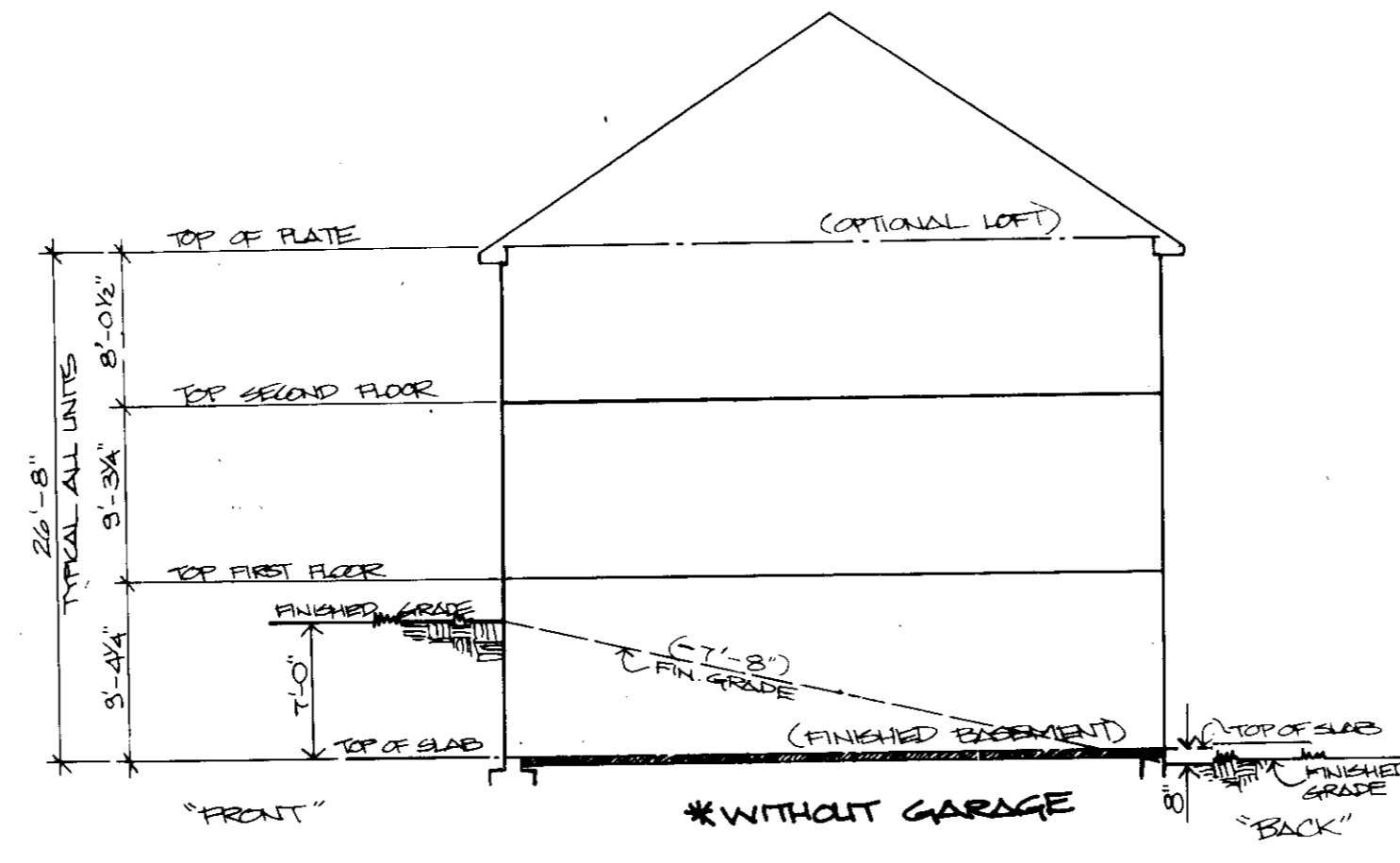
BUILDING - SCHEMATIC PLAN



UNIT "B4" - PART/FULL WALKUP  
(NO SCALE)

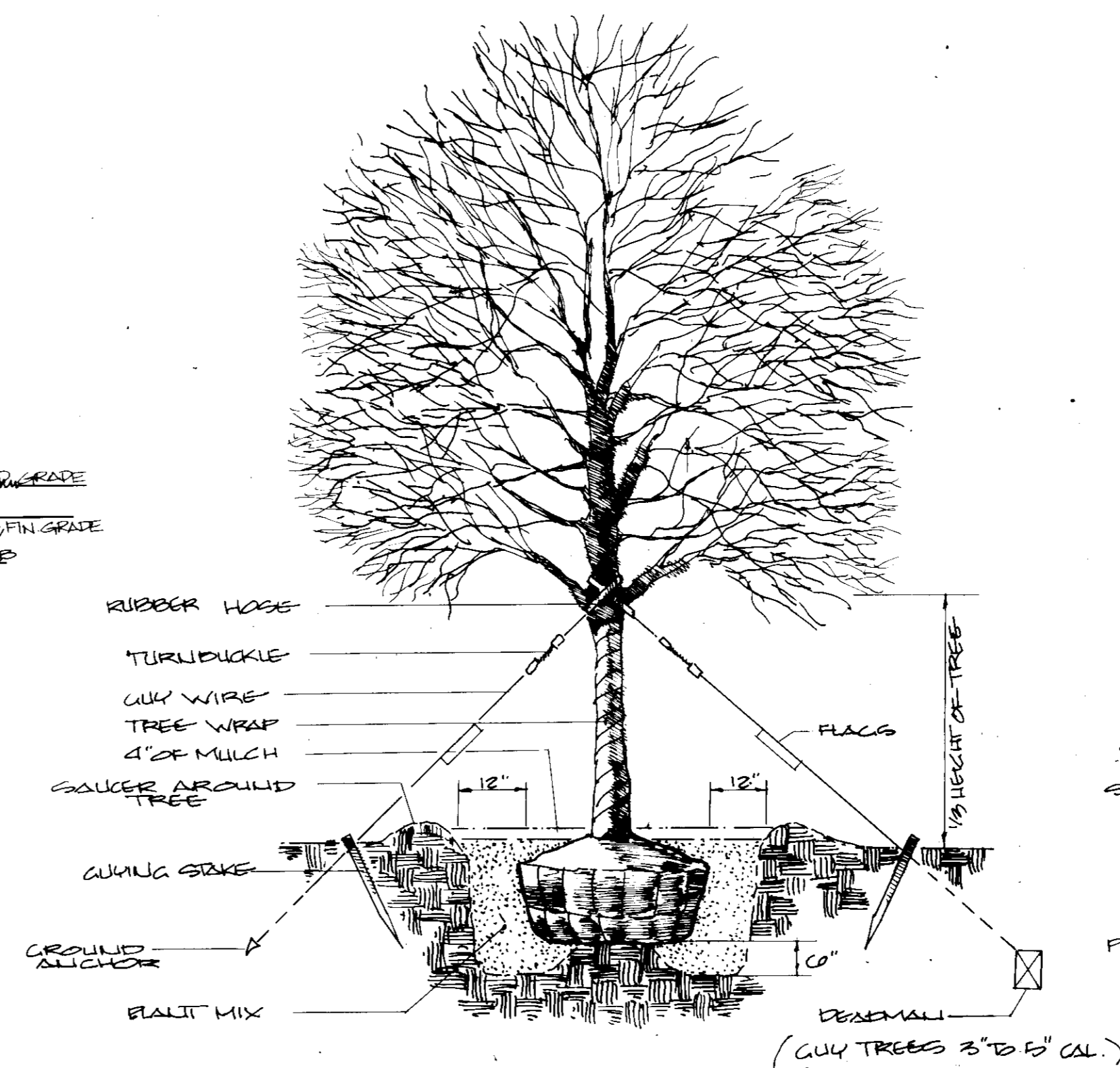


UNIT "A9" - WALKOUT  
(NO SCALE)

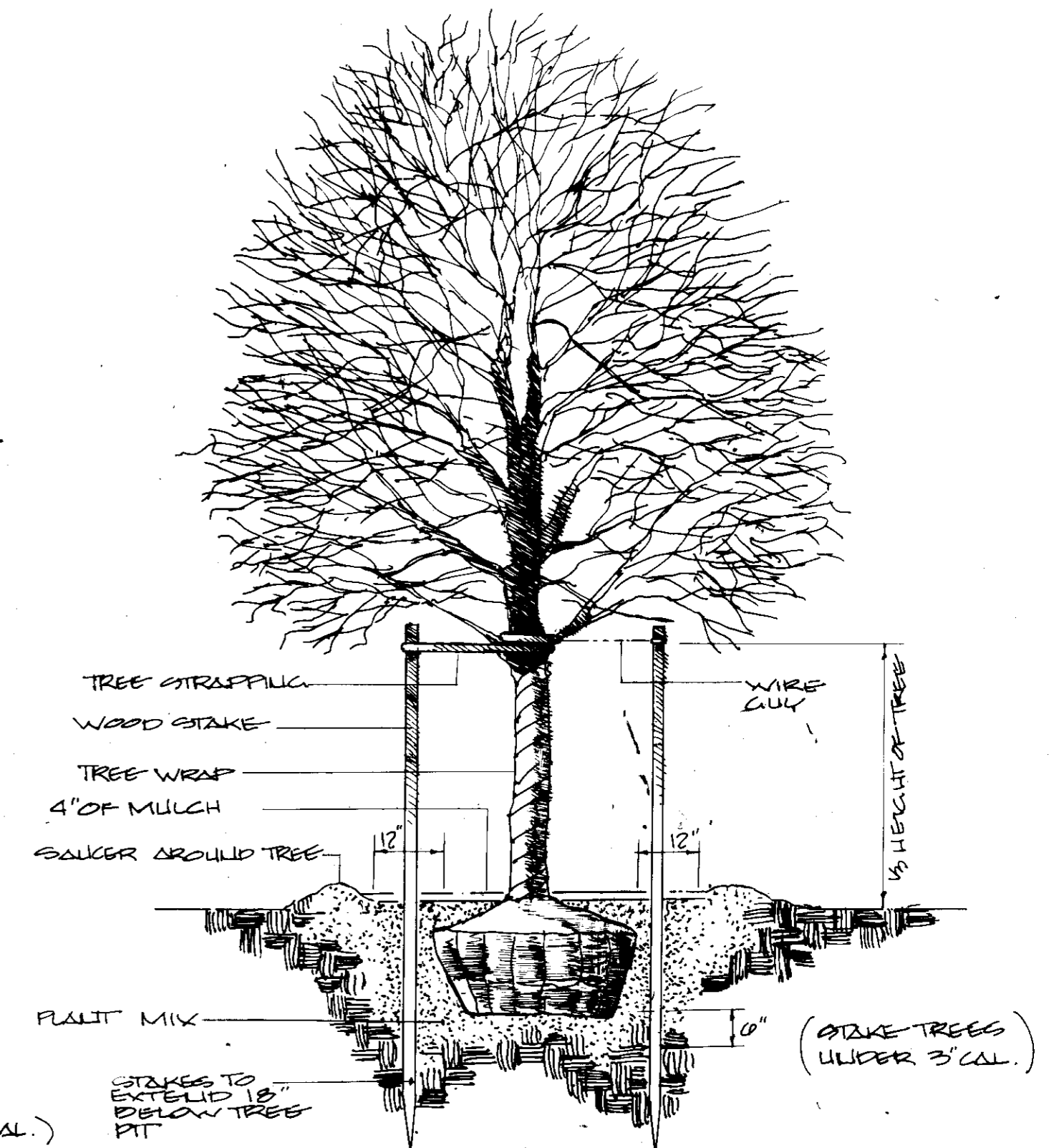


UNIT "A" - WALKOUT  
(NO SCALE)

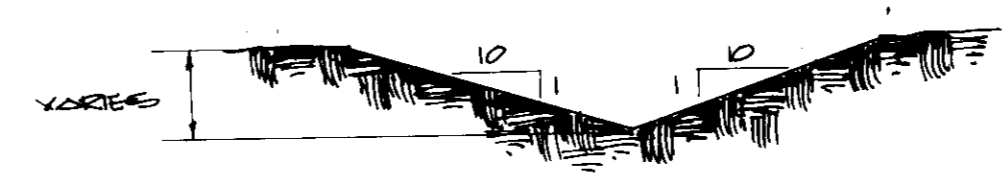
BUILDING - SCHEMATIC SECTIONS



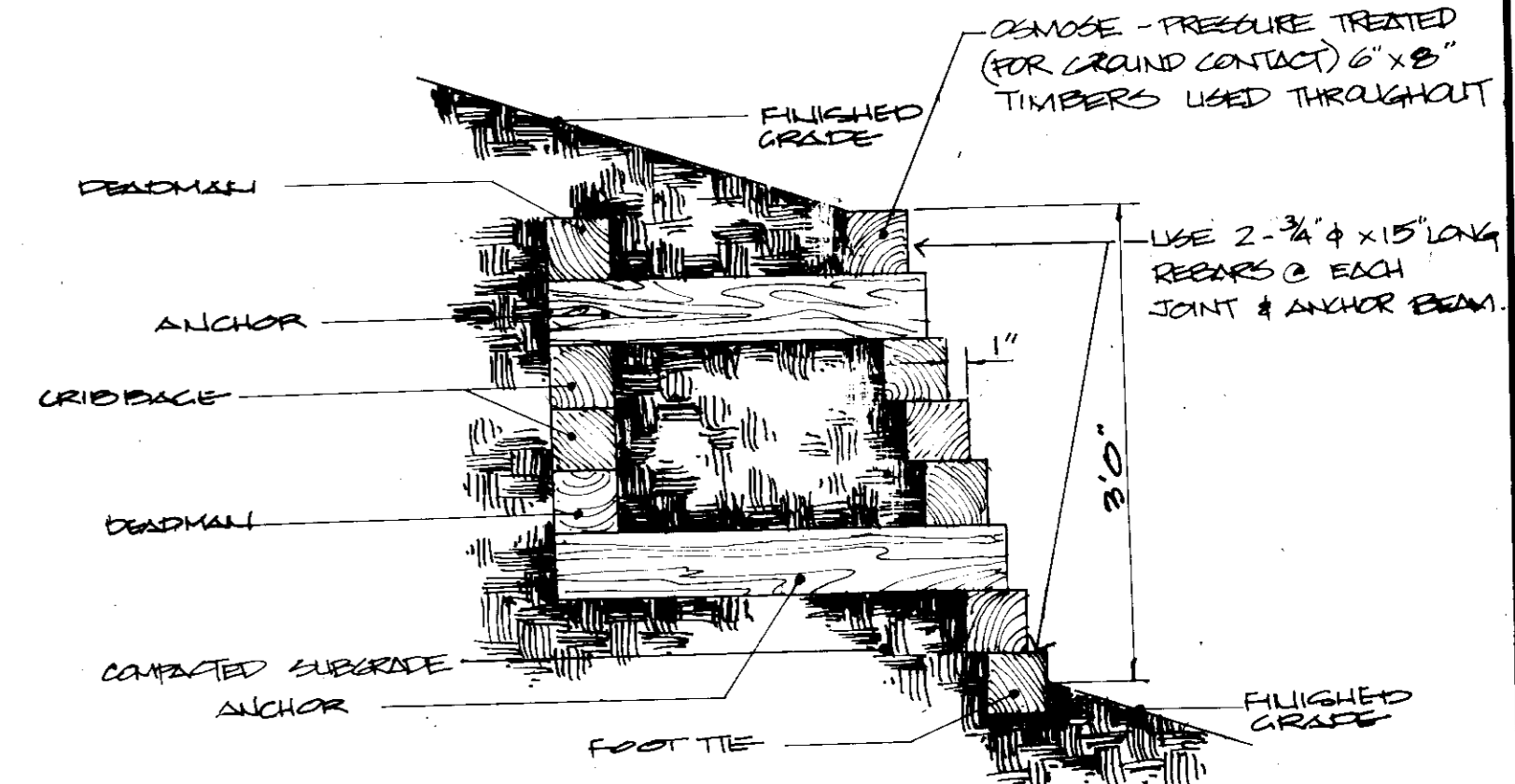
TYPICAL TREE GUYING DETAIL  
(NO SCALE)



TYPICAL TREE CULLING DETAIL  
(NO SCALE)



SLOPED SWALE  
(NO SCALE)



TIMBER RETAINING WALL  
(NO SCALE)



STONE WALL \* (OPTIONAL)  
(NO SCALE)

\*RY LAD ROCK RETAINING WALL; PITCH STONES TO CARRY RAIN WATER INTO STONE POCKETS AND RETAINED EARTH.

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 6-20-86

APPROVED FOR PUBLIC WATER &  
PUBLIC SEWERAGE SYSTEM  
HOWARD CO. HEALTH DEPT.

APPROVED FOR PUBLIC WATER &  
PUBLIC SEWERAGE SYSTEM  
ADDITIONAL PUBLIC ROADS

APPROVED HOWARD COUNTY OFFICE OF PLANNING  
DATE 3-26-87

OWNER/DEVELOPER	CHESTERFARME HOMES INC 1531 EDGEWOOD ST. STE. 11 BALTIMORE MD, 21227
PROJECT	VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 1 LOTS 73 THRU 153
AREA	TAX MAP No. 42 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	SITE DETAILS
DATE	FEB. 1986 SHEET 3 OF 7
SCALE	AS SHOWN FILE NO.

*Thomas M. Mataga*  
3/3/87

SECTION/AREA	5/1
DATE	3/3/87
SCALE	AS SHOWN

**Dewberry & Davis**  
Architects Engineers Planners Surveyors  
100 N. Ridge Road, Suite 100  
Baltimore, MD 21201  
410-787-9970



ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION, AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN THIRTY (30) DAYS OF COMPLETION."

DATE: 3-24-87

DATE: 3-26-87

DATE: 3-23-87

DATE: 3-18-87

DATE: 3-18-87

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION, AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN THIRTY (30) DAYS OF COMPLETION."

DATE: 3-24-87

DATE: 3-26-87

DATE: 3-23-87

DATE: 3-18-87

DATE: 3-18-87

DEVELOPER'S CERTIFICATE

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN THIRTY (30) DAYS OF COMPLETION"

DATE: 6-20-86

DIVISION NAME	SECTION/AREA	C 121-300
PLATE NO.	BLOCK NO.	15
WATER WORK	JOB	15
	TAK/SOW	AC
	ELC. DIST.	G <sup>TH</sup>
	REMARKS	

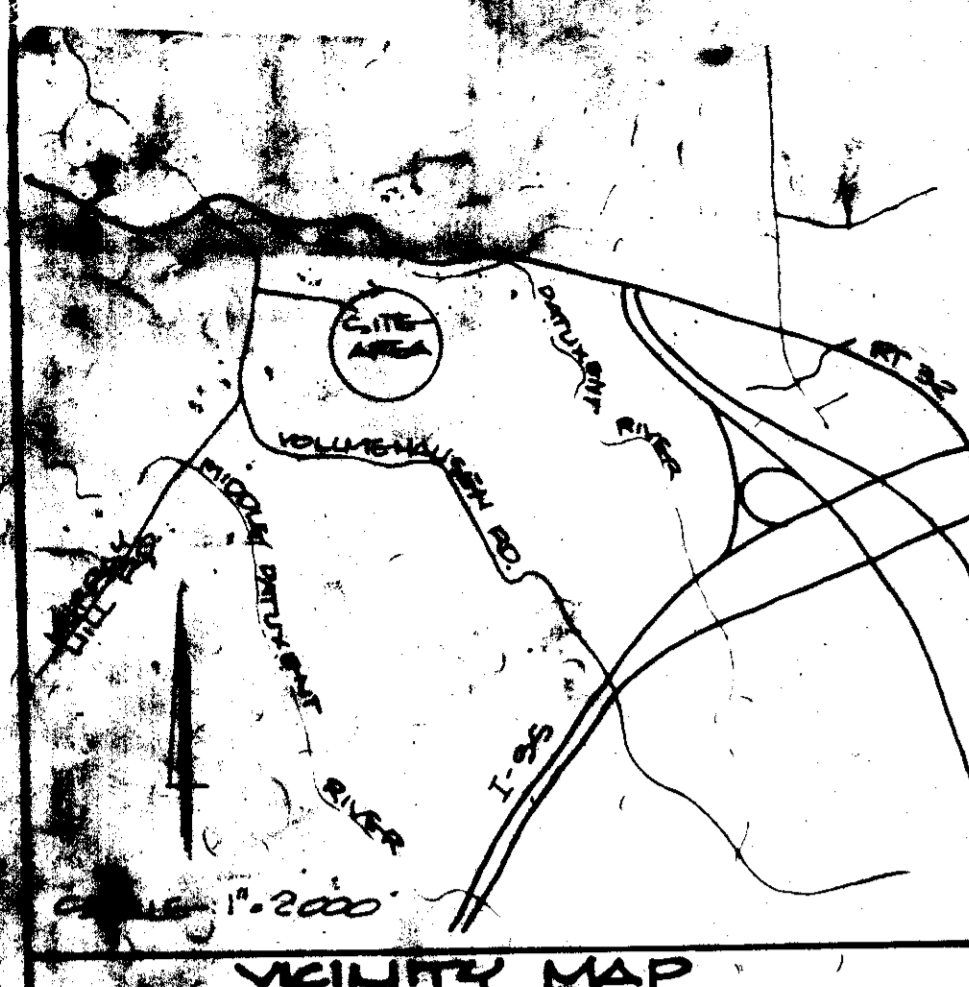
EXISTING DRAINAGE AREA	= 1.50 AC
ULTIMATE DRAINAGE AREA	= 1.60 AC
STORAGE REQUIRED	= 2880 C.F.
STORAGE PROVIDED	= 2940 C.F.
BASE DIMENSION	= 10' X 53'
BASE ELEVATION	= 312.0'
OUTLET ELEVATION	= 315.0'
OUTLET LENGTH	= 7'
CLEAN OUT ELEVATION	= 313.5'
EMBANKMENT ELEVATION	= 316.0'

EXISTING DRAINAGE AREA	= 1.17 AC
ULTIMATE DRAINAGE AREA	= 1.17 AC
STORAGE REQUIRED	= 1780 C.F.
STORAGE PROVIDED	= 1800 C.F.
BASE DIMENSION	= 10' X 53'
BASE ELEVATION	= 320.0'
OUTLET ELEVATION	= 323.0'
OUTLET LENGTH	= 4'
CLEAN OUT ELEVATION	= 321.5'
EMBANKMENT ELEVATION	= 324.0'

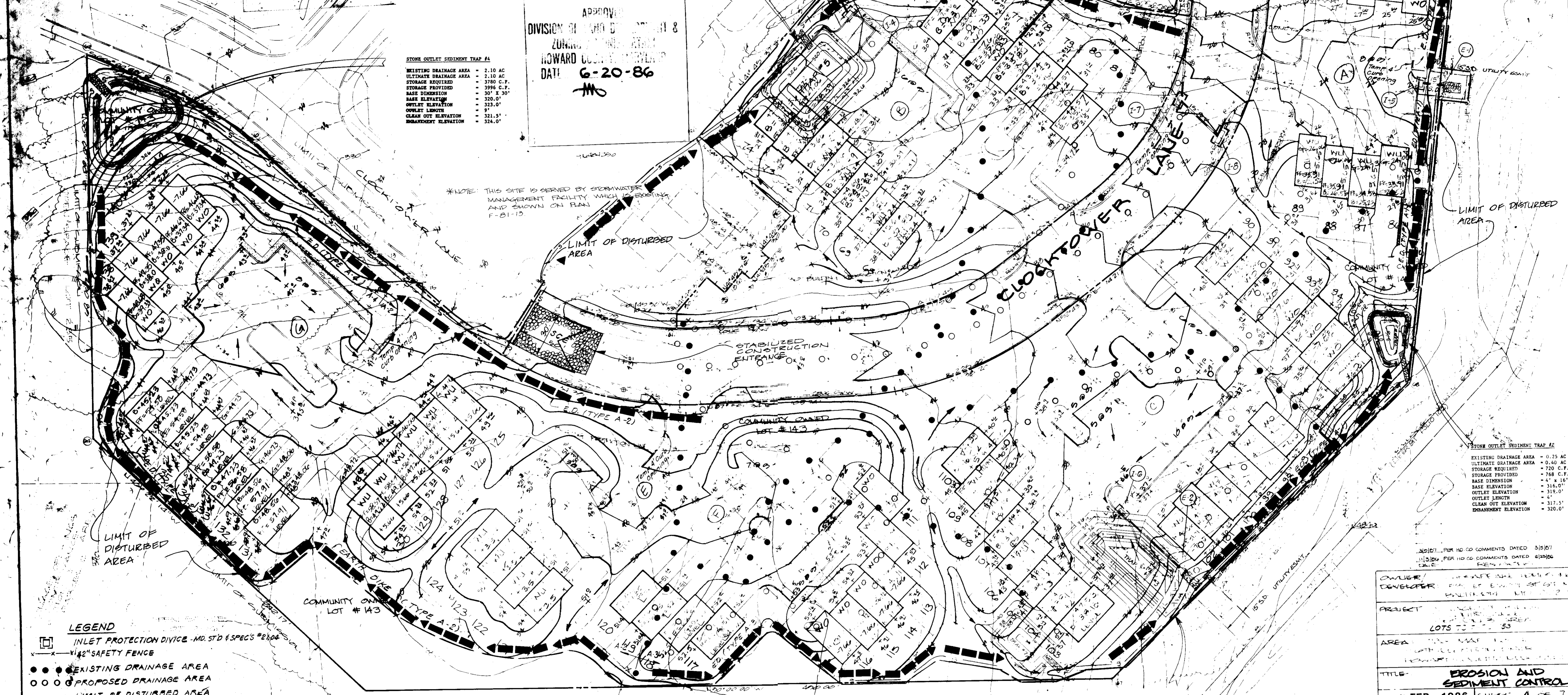
EXISTING DRAINAGE AREA	= 2.10 AC
ULTIMATE DRAINAGE AREA	= 2.10 AC
STORAGE REQUIRED	= 3780 C.F.
STORAGE PROVIDED	= 3996 C.F.
BASE DIMENSION	= 30' X 50'
BASE ELEVATION	= 320.0'
OUTLET ELEVATION	= 323.0'
OUTLET LENGTH	= 9'
CLEAN OUT ELEVATION	= 321.5'
EMBANKMENT ELEVATION	= 324.0'

EXISTING DRAINAGE AREA	= 0.25 AC
ULTIMATE DRAINAGE AREA	= 0.40 AC
STORAGE REQUIRED	= 720 C.F.
STORAGE PROVIDED	= 768 C.F.
BASE DIMENSION	= 4' X 16'
BASE ELEVATION	= 316.0'
OUTLET ELEVATION	= 319.0'
OUTLET LENGTH	= 317.5'
CLEAN OUT ELEVATION	= 317.5'
EMBANKMENT ELEVATION	= 320.0'

EXISTING DRAINAGE AREA	= 1.16 AC
ULTIMATE DRAINAGE AREA	= 0.95 AC
STORAGE REQUIRED	= 2040 C.F.
STORAGE PROVIDED	= 2352 C.F.
BASE DIMENSION	= 0' X 40'
BASE ELEVATION	= 325.0'
OUTLET ELEVATION	= 328.0'
OUTLET LENGTH	= 4'
CLEAN OUT ELEVATION	= 326.5'
EMBANKMENT ELEVATION	= 329.0'



VICINITY MAP



- LEGEND**
- INLET PROTECTION DEVICE - MD. STD & SPEC'S # 21.04
  - 1/2" SAFETY FENCE
  - EXISTING DRAINAGE AREA
  - PROPOSED DRAINAGE AREA
  - LIMIT OF DISTURBED AREA
  - SILT FENCE - MD. STD & SPEC'S # 12.03
  - EXISTING GRADE
  - PROPOSED GRADE
  - STABILIZED CONSTRUCTION ENTRANCE - MD. STD & SPEC'S # 14.03
  - EARTH DIKE - MD. STD & SPEC'S # 12.03
  - TEMP. SWALE - MD. STD & SPEC'S # 19.03

OWNER: [Redacted]

DEVELOPER: [Redacted]

PROJECT: [Redacted]

AREA: [Redacted]

TITLE: **EROSION AND SEDIMENT CONTROL**

DATE: FEB. 1986

SCALE: 1" = 40'

SHEET: 4 OF 7

FILE NO: S-161

**Dewberry & Davis**

Architects Engineers Planners Surveyors

2300 N. Ridge Road, Suite 100  
Kilboots City, MD 21043  
301 461-7478  
Metro 621-4970



**STANDARD AND SPECIFICATIONS FOR STORM DRAIN INLET PROTECTION**

**Definition**

Filter cloth installed around inlets in the form of a fence or across an opening, thereby reducing sediment content of sediment laden water.

**Purpose**

To prevent sediment laden water from entering a storm drain system through inlets.

**Conditions Where Practice Applies**

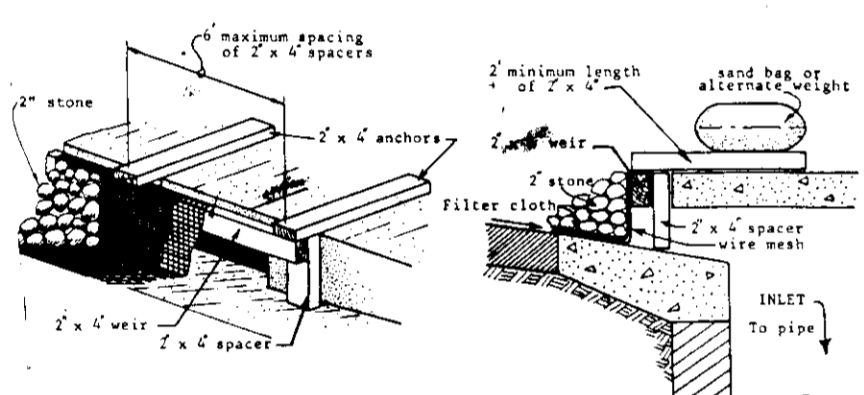
This practice shall be used where the drainage area to an inlet is disturbed, it is not possible to temporarily divert the storm drain outfall into a sediment trapping device and watertight blocking of inlets is not desirable. It is not to be used in place of sediment trapping devices. This practice may be used in conjunction with storm drain diversion to help prevent clogging of pipes installed with a low slope angle.

**Construction Specifications**

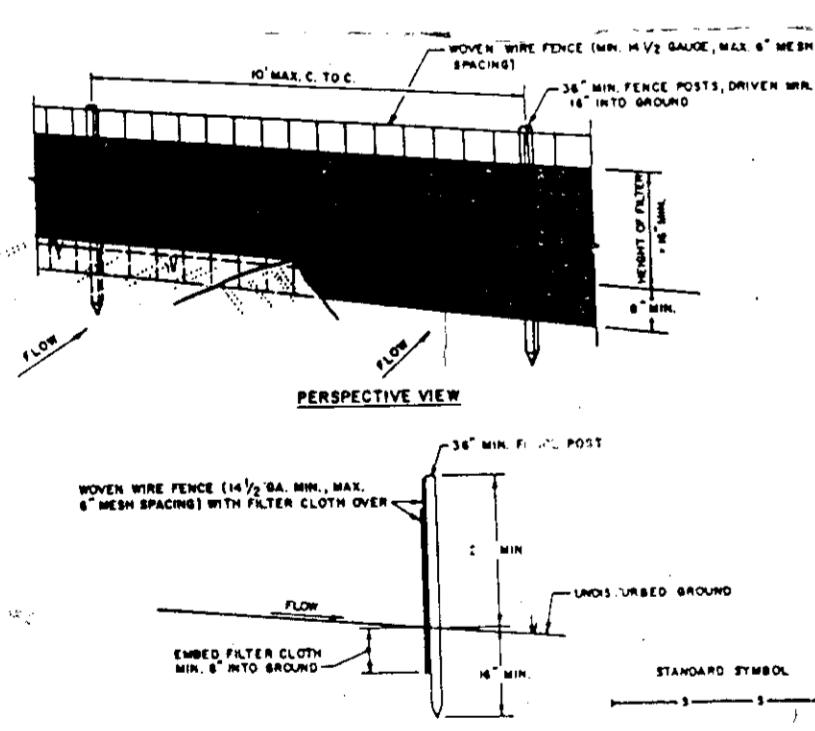
- I. Materials**
  - Wooden frame is to be constructed of 2" x 4" construction grade lumber.
  - Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
  - Filter cloth must be of a type approved for this purpose resistant to sunlight with sieve size, 300, 40-85, to allow sufficient passage of water and removal of sediment.
  - Stone to be 2" in size and clean, since fines would clog the cloth.

**II. Procedure**

- Curb Inlet Protection.**
  - Attach a continuous piece of 2" x 4" wire mesh (30" min. width by throat length plus 4") to the 4" x 4" wire (measuring throat length plus 2") as shown on the standard drawing.
  - Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" wire.
  - Securely nail the 2" x 4" wire to 9" long vertical spacers to be located between the wire and inlet face (max. 6" apart).
  - Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
  - The assembly shall be slanted so that the end spacers are a minimum 1" beyond both ends of the throat opening.
  - Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
  - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
  - Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dike directing flow into inlet.



**INLET PROTECTION DETAIL NOT TO SCALE**



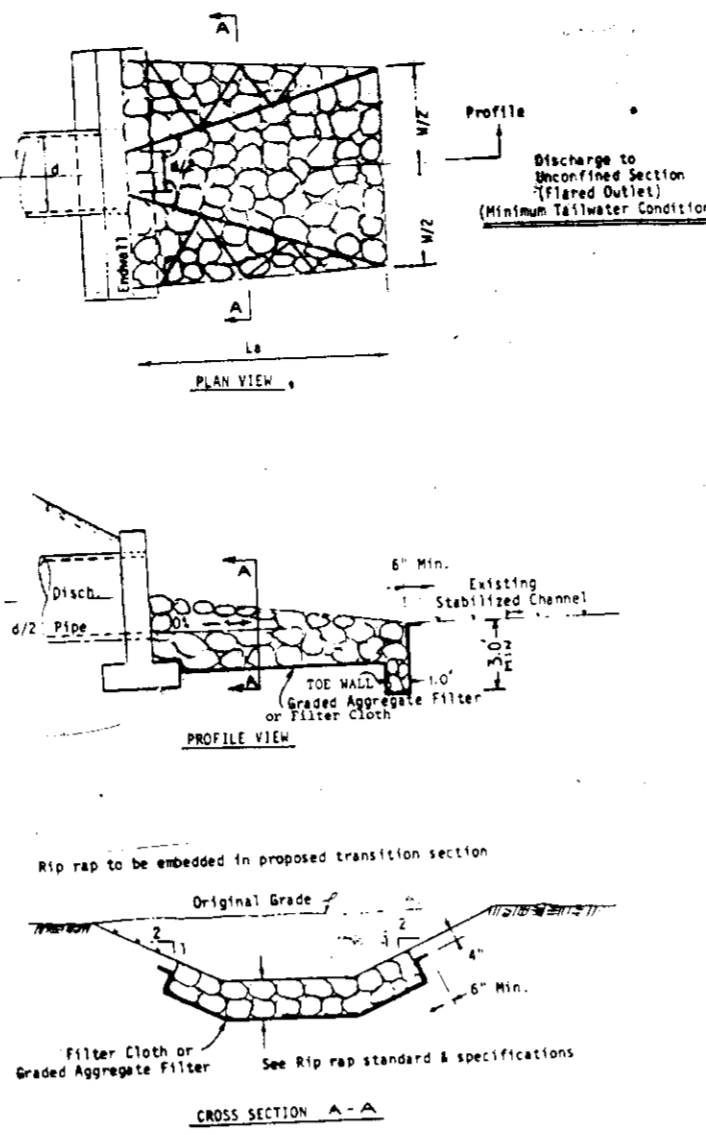
**SILT FENCE NOT TO SCALE**

- When wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to stone wire fence with ties spaced evenly at top and mid section.
- When two sections of filter cloth adjoin each other they shall be overlapped by six inches and fastened.
- Maintenance shall be performed as needed and material removed when "bales" develop in the silt fence.

**SILT FENCE NOT TO SCALE**

**EROSION & SEDIMENT CONTROL GENERAL NOTES**

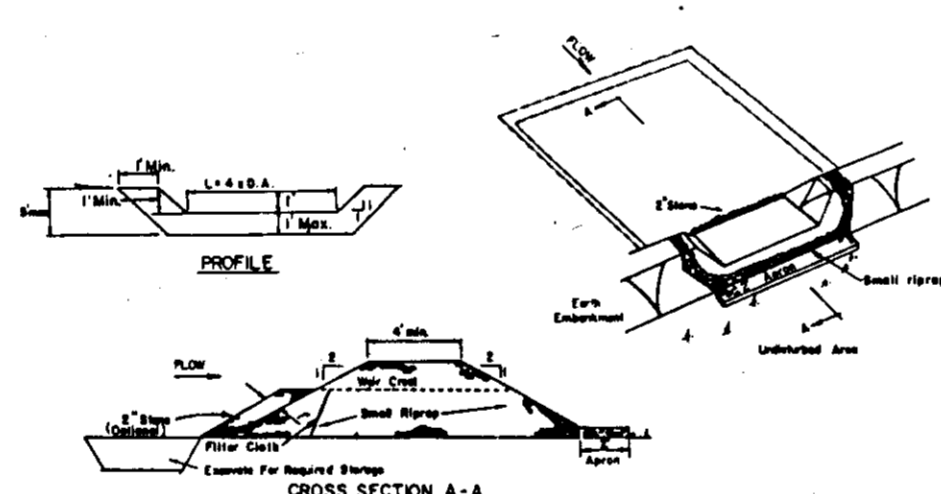
- Any change to the grading proposed on this plan requires it to be re-submitted to the Soil Conservation District.
- All slopes 2:1 are to be stabilized with "Permanent Slope Seeding" immediately after grading operation (see note #11).
- All other disturbed areas not intended to be paved or receive building coverage shall be stabilized with "Permanent Seeding" (see note #12).
- Any damage to silt fence, sediment trap, riprap, etc. during grading operation or utility installation shall be repaired immediately.
- The sediment trap shall be cleaned out when silt deposits reach elevation shown on the plan.
- The sediment basin shall be cleaned out when silt deposits reach elevations shown on the plan.
- No sediment control measure shall be removed without permission from the Sediment Control Inspector.
- Upon installation of storm drains, inlets shall be kept plugged until site is stabilized. Positive drainage must be maintained at all times.
- During the layout of sediment control practices shown hereon, minor adjustments can and will be made to assure the arrest and control of any sediment before it leaves the construction site. These said changes require approval from the Sediment Control Inspector and the Soil Conservation District.
- All site work is to be done in accordance with "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas", July 1975, and this plan of sediment control approved by the Howard County Soil Conservation District and the Department of Public Works.
- At the end of each working day, all sediment control measures will be inspected and left in operational condition.



**CONSTRUCTION SPECIFICATIONS**

- The subgrade for the filter, riprap or gabion shall be prepared to the required lines and grades. Any fill required in the subgrade shall be compacted to a density of approximately that of the surrounding undisturbed material.
- The rock or gravel shall conform to the specified grading limits when installed respectively in the riprap or filter.
- Filter cloth shall be protected from punching, cutting or tearing. Any damage other than an occasional small hole shall be repaired by placing another piece of cloth over the damaged part or by completely replacing the cloth. All overlaps whether for repairs or for joining two pieces of cloth shall be a minimum of one foot.
- Stone for the riprap or gabion outlets may be placed by equipment. Both each be constructed to the full course thickness in one operation and in such a manner as to avoid displacement of underlying materials. The stone for riprap or gabion outlets shall be delivered and placed in a manner that will insure that it is reasonably homogeneous with the smaller stones and spalls filling the voids between the larger stones. Riprap shall be placed in a manner to prevent damage to the filter blanket or filter cloth. Hand placement will be required to the extent necessary to prevent damage to the permanent works.

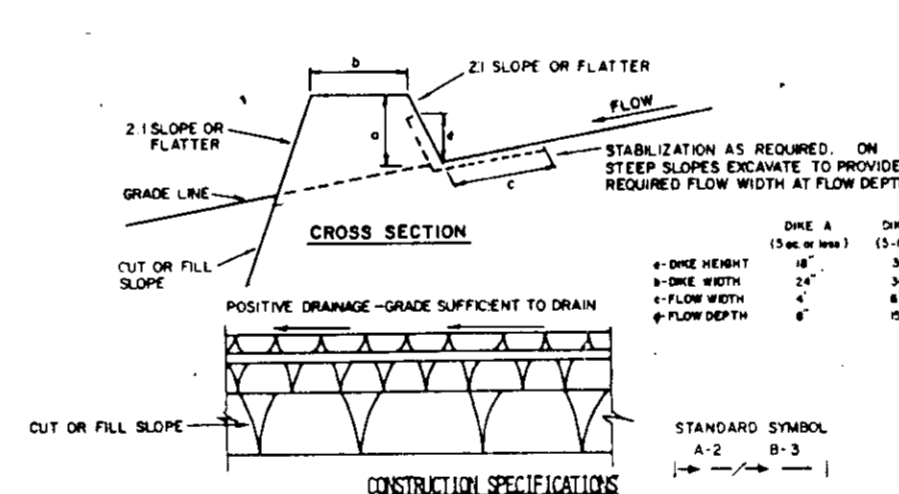
**RIP-RAP OUTLET PROTECTION NOT TO SCALE**



- All temporary shales shall have unimpaired positive grade 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 normal velocity.
- All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the shale.
- The shale shall be excavated or shaved to line, grade, and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which might impede normal flow.
- Fills shall be compacted by earth moving equipment.
- All earth removed and not needed on construction shall be placed so that it will not interfere with the functioning of the shale.
- Stabilization shall be as per the chart below:

TYPE OF TREATMENT	FLAT GRADE STABILIZATION	
	A (5 AC OR LESS)	B (5 AC - 10 AC)
1	0.5-3.00 SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.00 SEED AND STRAW MULCH	SEED, STRAW MULCH OR MULCH
3	5.1-8.00 SEED WITH LIME OR EXCESSIVE SOIL	LINED RIP-RAP 4-8"
4	8.1-20.00 LINED 4-8" RIP-RAP	ENGINEERING DESIGN RECYCLED CONCRETE EQUIVALENT

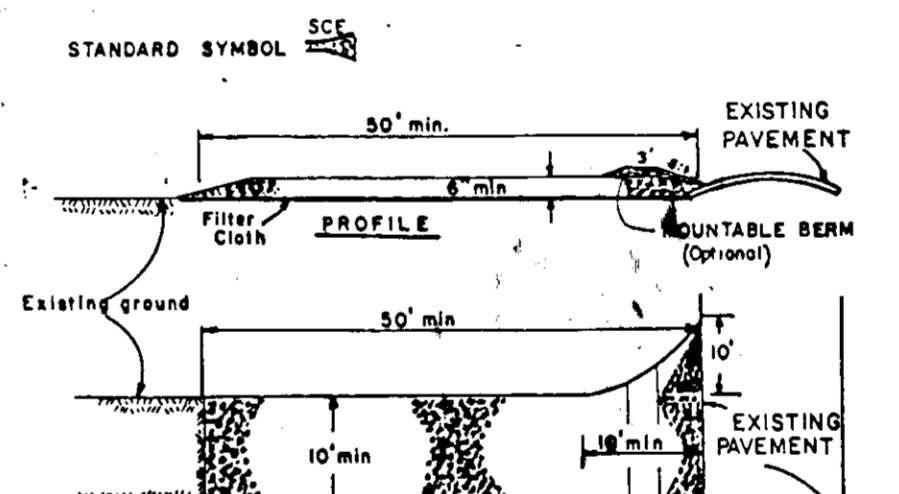
**STONE OUTLET SEDIMENT TRAP NOT TO SCALE**



- All dikes shall be compacted by earthmoving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET. DRAIN DICES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. DRAINAGE SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DRAINAGE CHANNEL OR THE DRAINAGE AREA ABOVE THE DRAINAGE AND NOT OTHERWISE STABILIZED.
- STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON; (B) FLOW CHANNEL AS PER THE CHART BELOW.

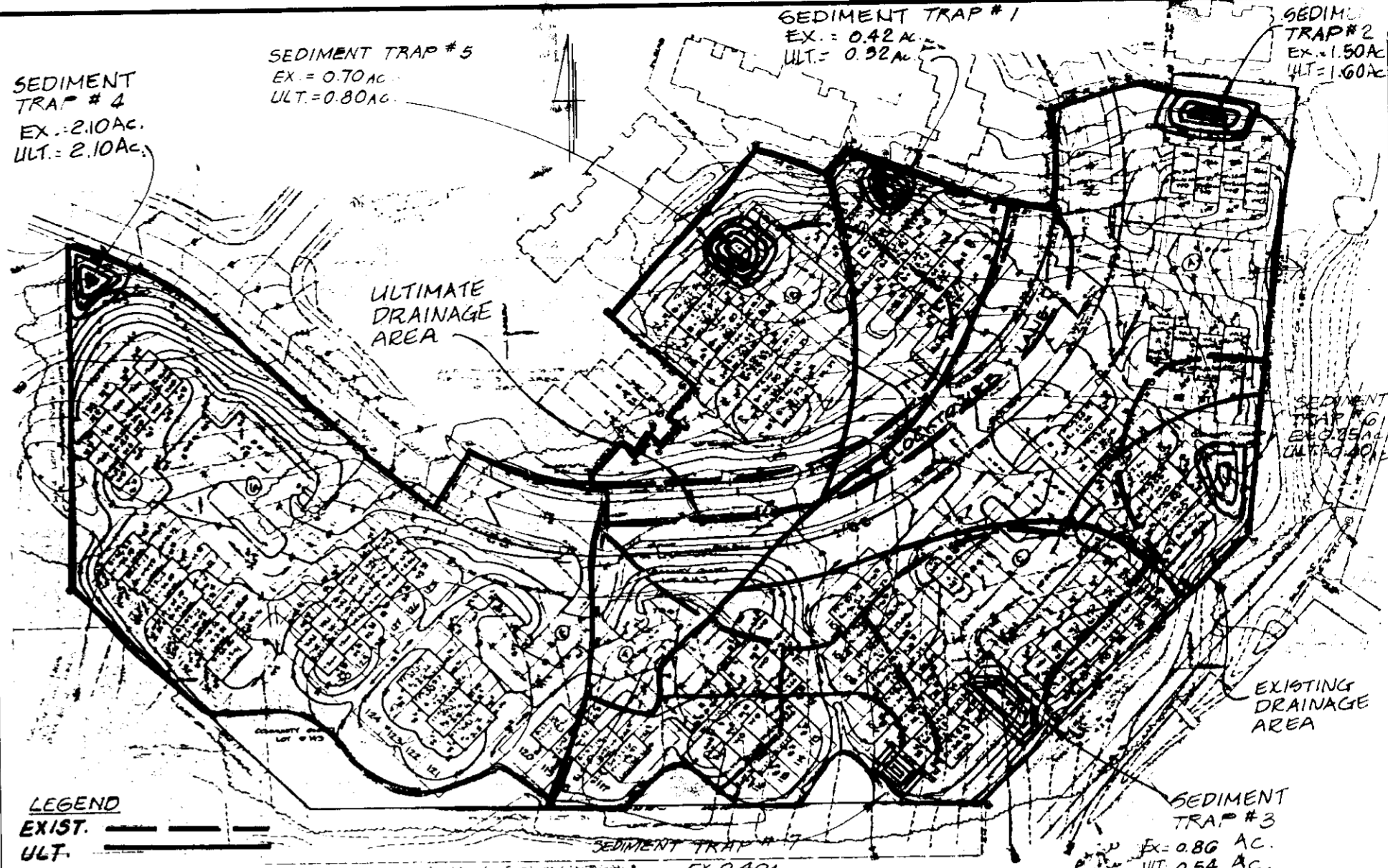
TYPE OF TREATMENT	FLAT GRADE STABILIZATION	
	DRAIN DICE	DRAIN DICE
1	5-3.00 SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.00 SEED AND STRAW MULCH	SEED, STRAW MULCH OR MULCH
3	5.1-8.00 SEED WITH LIME, OR SOIL	LINED RIP-RAP 4-8"
4	8.1-20.00 LINED RIP-RAP 4-8"	ENGINEERING DESIGN RECYCLED CONCRETE EQUIVALENT

**EARTH DIKE NOT TO SCALE**



- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 10 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) foot minimum, but not less than the full width at points where ingress or egress occurs.
- 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.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable beam with 6" slope will be permitted.
- 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 and repair and/or cleanout of any measures used to trap sediments. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- Washing - Where 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.
- Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE**



**DRAINAGE AREA MAP SCALE 1" = 1000'**

**APPROVED**  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE: 6-20-86  
MD/AMM

- SEQUENCE OF OPERATIONS**
- NOTIFY THE HOWARD COUNTY DEPARTMENT OF LICENSES & PERMITS INSPECTOR 48 HOURS BEFORE BEGINNING WORK.
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE.
  - INSTALL STONE OUTLET SEDIMENT TRAPS.
  - INSTALL EARTH DIKE AND TEMPORARY SWALE.
  - CLEAN AND CURB SITE.
  - BEGIN MAJOR GRADING.
  - INSTALL ALL UTILITIES; KEEP INLETS PLUGGED AND TEMPORARY CURB OPENINGS FOR MAINTAINING POSITIVE DRAINAGE TO TRAPS AT ALL TIMES.
  - INSTALL FOUNDATIONS AND BEGIN BUILDING CONSTRUCTION.
  - AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR:
    - CLEAN OUT TRAPS AND RESTORE GRADES.
    - STABILIZE ALL DISTURBED AREAS.
    - REMOVE ALL SEDIMENT TRAPS, COMPLETE BUILDING CONSTRUCTION AND PAVING.
    - REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 3-24-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR: [Signature] DATE: 3-26-87  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature] DATE: 3-23-87  
CHIEF, BUREAU OF ENGINEERING

HOWARD SOIL CONSERVATION DISTRICT  
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
DISTRICT: [Signature] DATE: 3-18-87  
APPROVED: HOWARD SOIL CONSERVATION DISTRICT  
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
SIGNATURE: [Signature] DATE: 3-18-87  
THE UNITED STATES SOIL CONSERVATION SERVICE

SUBDIVISION NAME VILLAGE OF KINGS CONTRIVANCE	SECTION/AREA 2/1	LOT NOS 10-153
PLAT NOS 1009-1063	BLOCK NO. 15	ZONE NT/SFA
TAX/ZONE AC	ELEC. DIST. G7H	CENSUS TR. 0002
WATER CODE E-15	SEWER CODE S180000	

**Dewberry & Davis**  
3300 N. Ridge Road, Suite 100  
Beltsville, MD 21043  
301-481-7478  
Metro 621-4970

**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] 14310 3-12-87  
REG. NO. DATE

**CHESAPEAKE HOMES INC.**  
1531 EDGEWOOD ST. STE. M  
BALTIMORE, MD 21227

**OWNER'S CERTIFICATE**  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DETERMINED NECESSARY. I ALSO CERTIFY THAT ANY RESPONSIBLE PERSON 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 & EROSION BEFORE BEGINNING THE PROJECT.  
BY: [Signature] TITLE: [Signature] DATE: 3-11-87

DESIGN: G.P.  
DRAWN: G.P.  
CHECKED: G.P.  
DATE: 3-11-87  
PER NO. CO. COMMENTS  
11/306 DATED: 01/20/86  
31017 DATED: 01/21/87

**DETAILS- EROSION & SEDIMENT CONTROL**  
VILLAGE OF KINGS CONTRIVANCE  
SECTION 3 AREA 1  
TAX MAP NO. 42 6TH ELECTION DISTRICT HOWARD COUNTY, MD.  
SCALE: AS SHOWN DATE: FEB., 1986 SHEET 5 OF 7 FILE: S-16  
SDP 86-210c

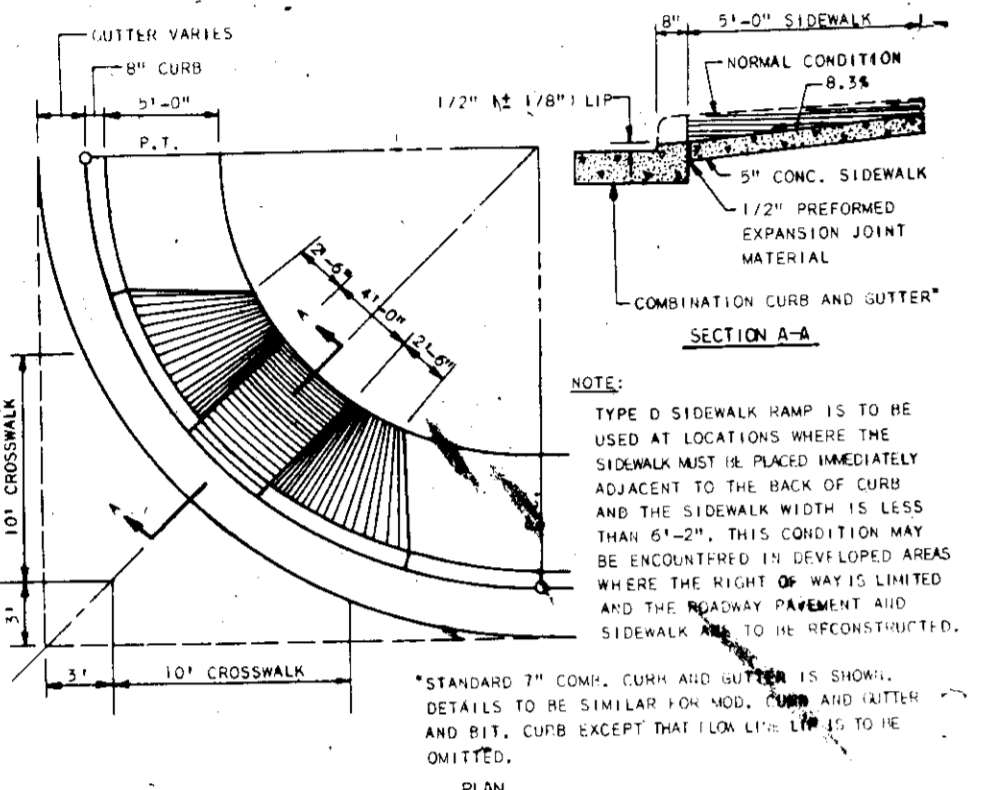


1 1/2" BITUMINOUS CONCRETE SURFACE COURSE  
5" BITUMINOUS COAL TACK COARSE

NOTE: PROPOSED PAVING SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ESTABLISHED SPECIFICATIONS AND DETAILS LATEST EDITIONS. SEE PLATE R-201 HO CO DESIGN MANUAL VOL. II - STD SPEC AND DETAILS FOR CONSTRUCTION.

TYPICAL PAVING SECTION  
NO SCALE

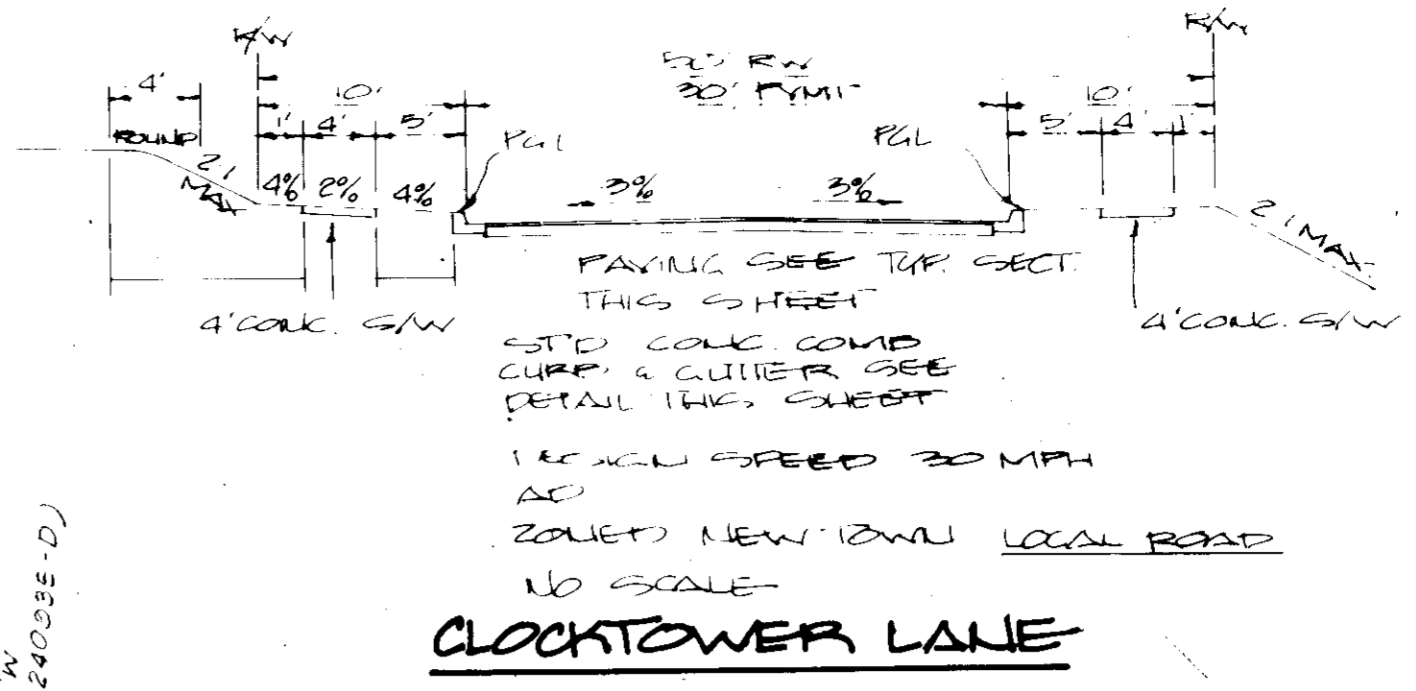
SIDEWALK DETAIL



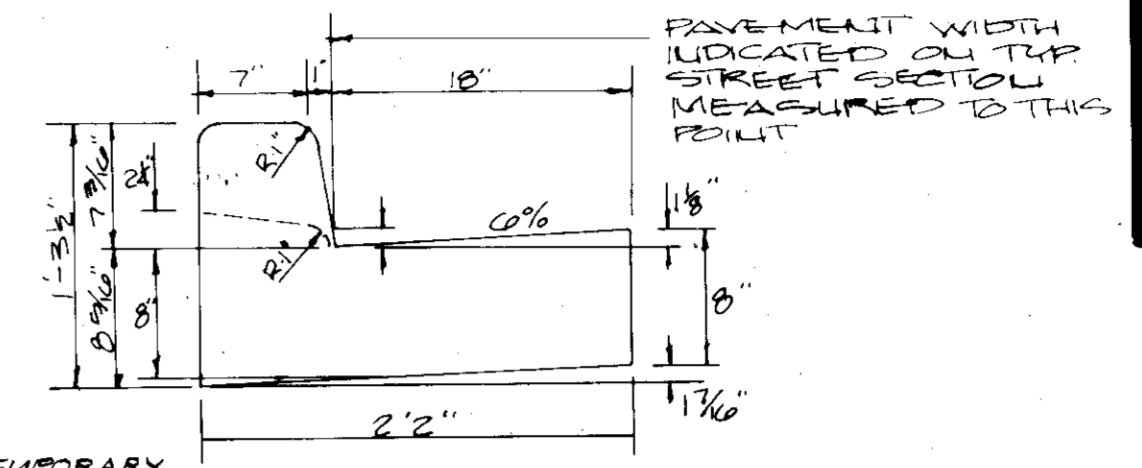
DETAIL FOR SIDEWALK RAMP  
NOT TO SCALE

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MD  
DATE: 6-20-86  
*[Signature]*

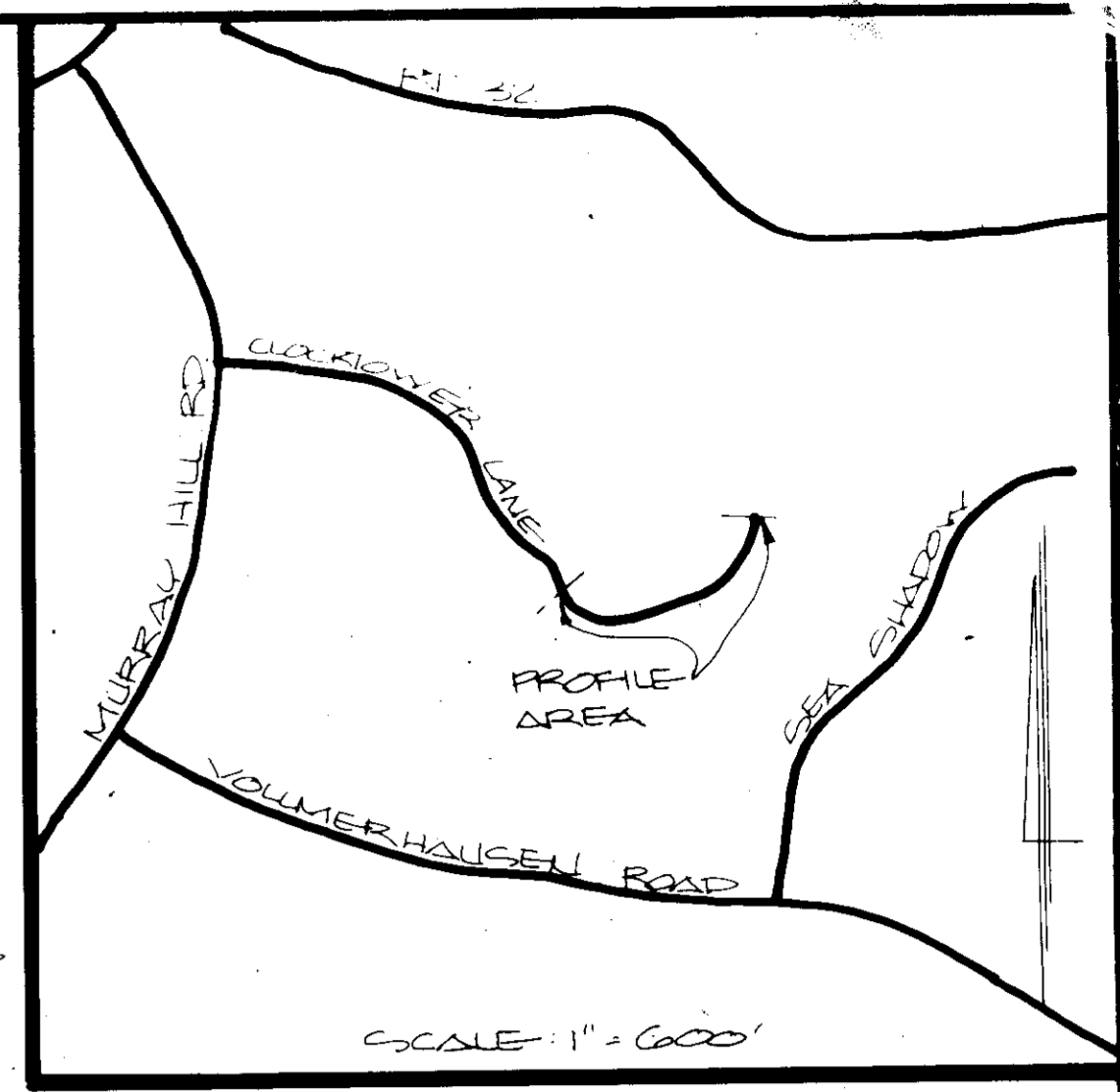
PLAN  
SCALE: 1" = 50'



CLOCKTOWER LANE



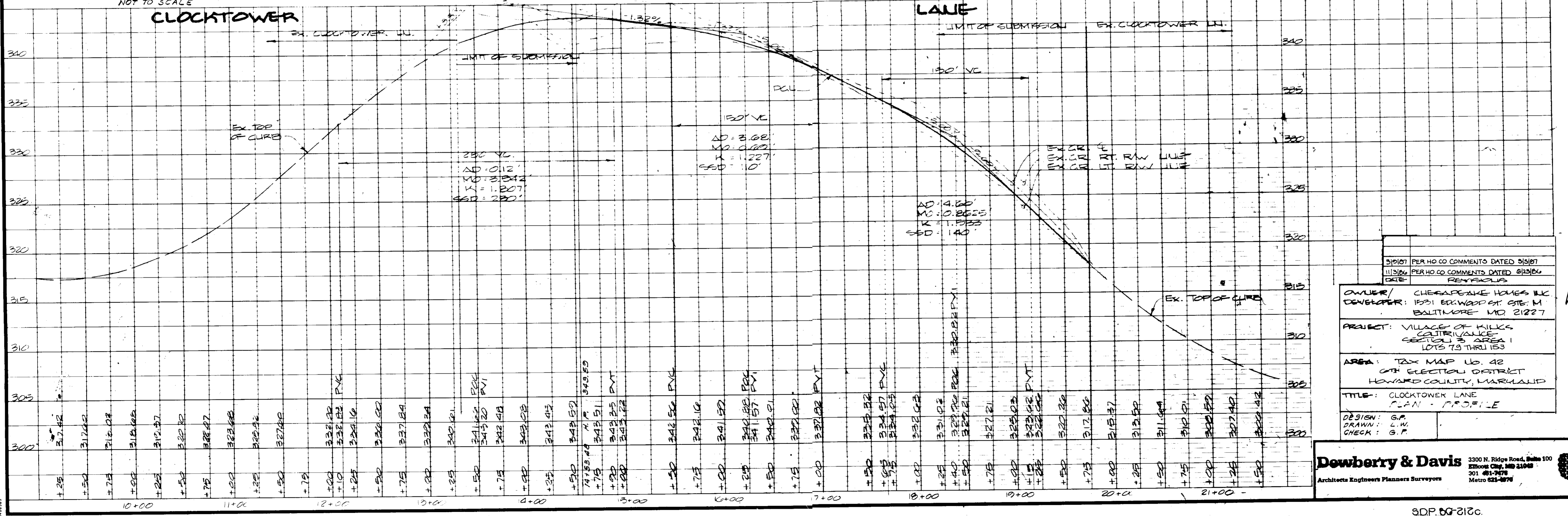
DETAIL  
STD. CONC. COMB CURB & GUTTER  
NO SCALE



VICINITY MAP

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
DIRECTOR, PUBLIC WORKS: *[Signature]* DATE: 3-23-87  
APPROVED: CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 3-23-87  
APPROVED: OFFICE OF PLANNING AND ZONING: *[Signature]* DATE: 3-26-87  
PLANNING DIRECTOR: *[Signature]* DATE: 3-26-87  
APPROVED: CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 3-26-87  
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS.  
HEALTH OFFICER: *[Signature]* DATE: 3-24-87

SUBDIVISION NAME	SECTION/AREA	LOT NO.
BLAINE'S CONTINGENCY	1/1	15
BLK. & LOT NO.	ZONE	TAX/ZONE
15-11157	RC	GM
DATE	SEWER CODE	



3/10/87 PER HO CO COMMENTS DATED 3/10/87  
11/10/86 PER HO CO COMMENTS DATED 8/25/86  
DATE: *[Signature]* REVISIONS

OWNER/ DEVELOPER: CHEAPEAKE HOMES INC. 1931 EDWARDS ST. N. BALTIMORE MD 21227

PROJECT: VILLAGE OF MILLS GATED COMMUNITY SECTION 3 AREA 1 LOTS 79 THRU 153

AREA: TAX MAP 10.42 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: CLOCKTOWER LANE PLAN - PROFILE

DESIGN: G.P.  
DRAWN: L.W.  
CHECK: G.P.

**Dowberry & Davis**  
Architects Engineers Planners Surveyors  
3300 N. Ridge Road, Suite 100  
Baltimore, Md. 21286  
301 491-7479  
Metro 621-6976

*[Signature]*

3-12-87

Vertical Scale  
1" = 5'

Horizontal Scale  
1" = 50'

Sheet  
6 of 7

Date  
FEB, 1986

File Number  
PD-235

APPROVED: DEPARTMENT OF PUBLIC WORKS.  
FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE  
SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS DATE 3-22-87

CHIEF, BUREAU OF ENGINEERING DATE 3-26-87

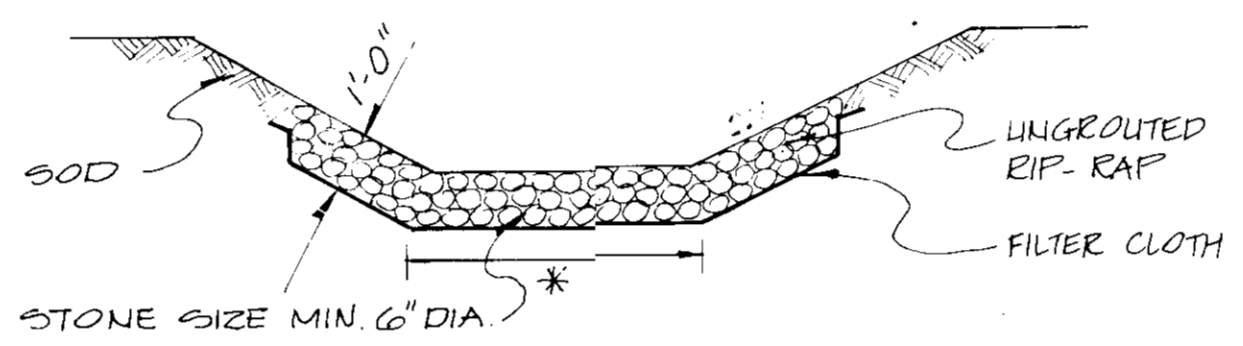
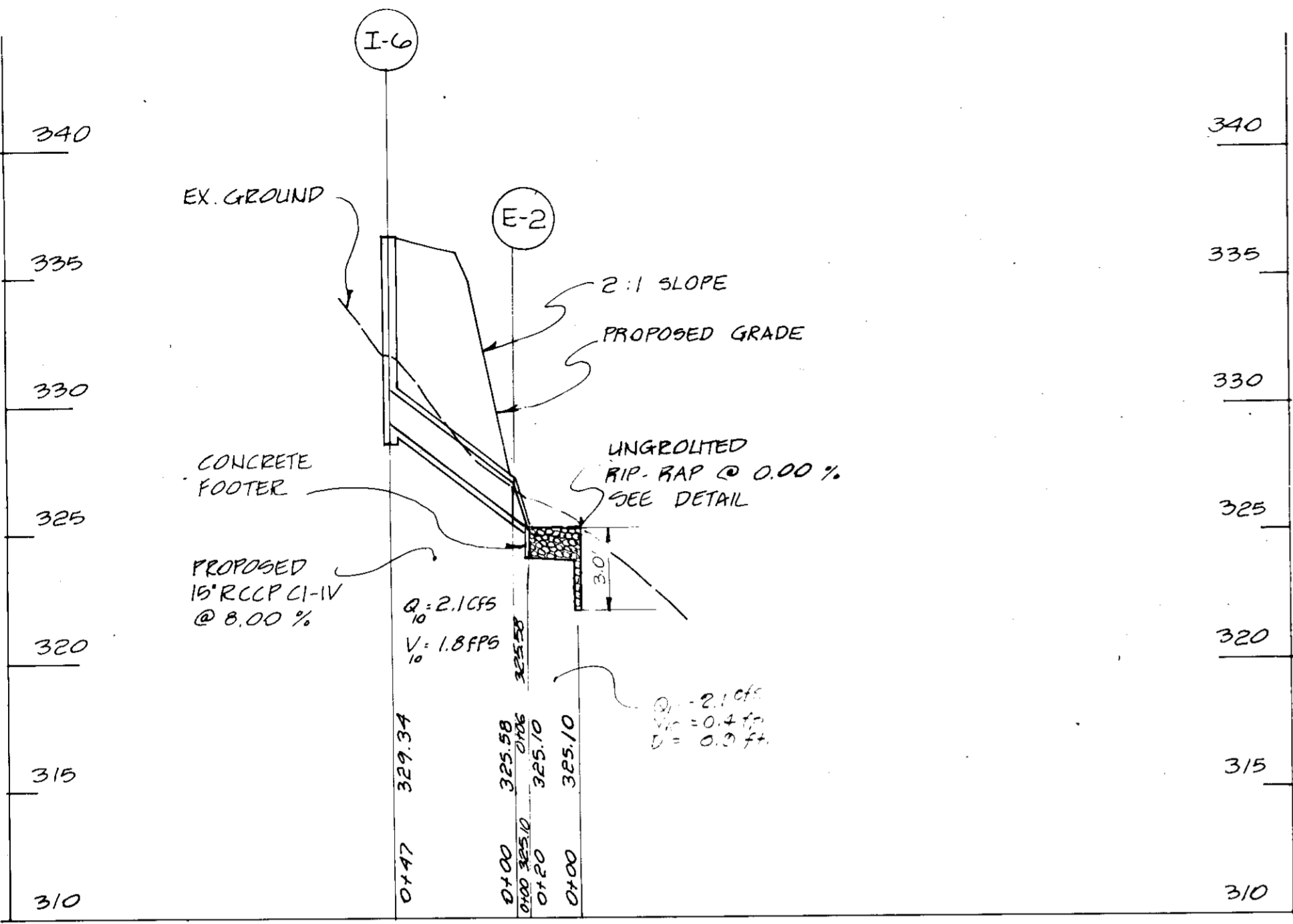
APPROVED: OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR DATE 3-26-87

CHIEF, DIVISION OF LAND DEVELOPMENT  
AND ZONING ADMINISTRATION DATE 3-26-87

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT  
FOR PUBLIC WATER AND SEWERAGE SYSTEMS.  
HEALTH OFFICER DATE 3-29-87

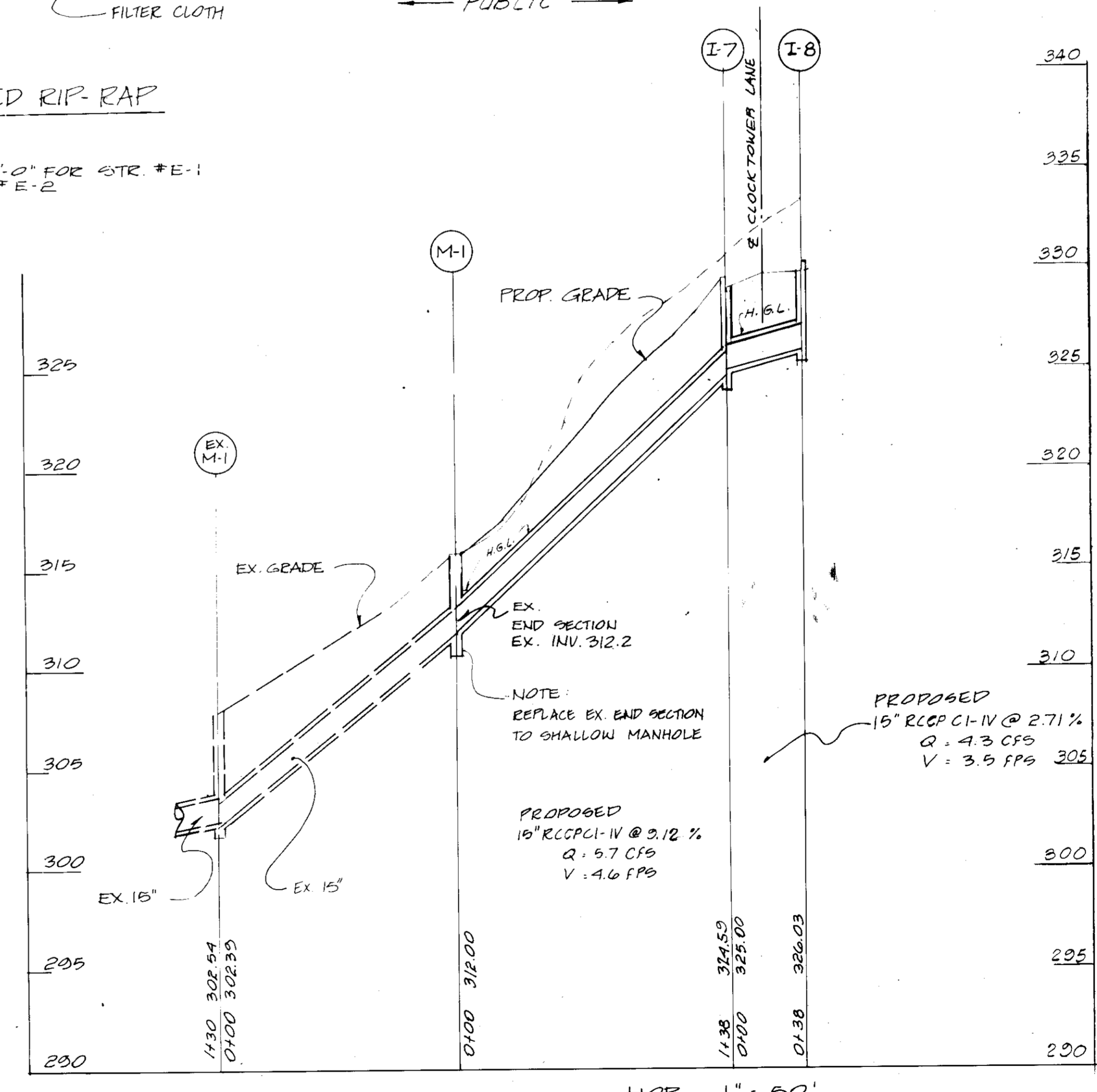
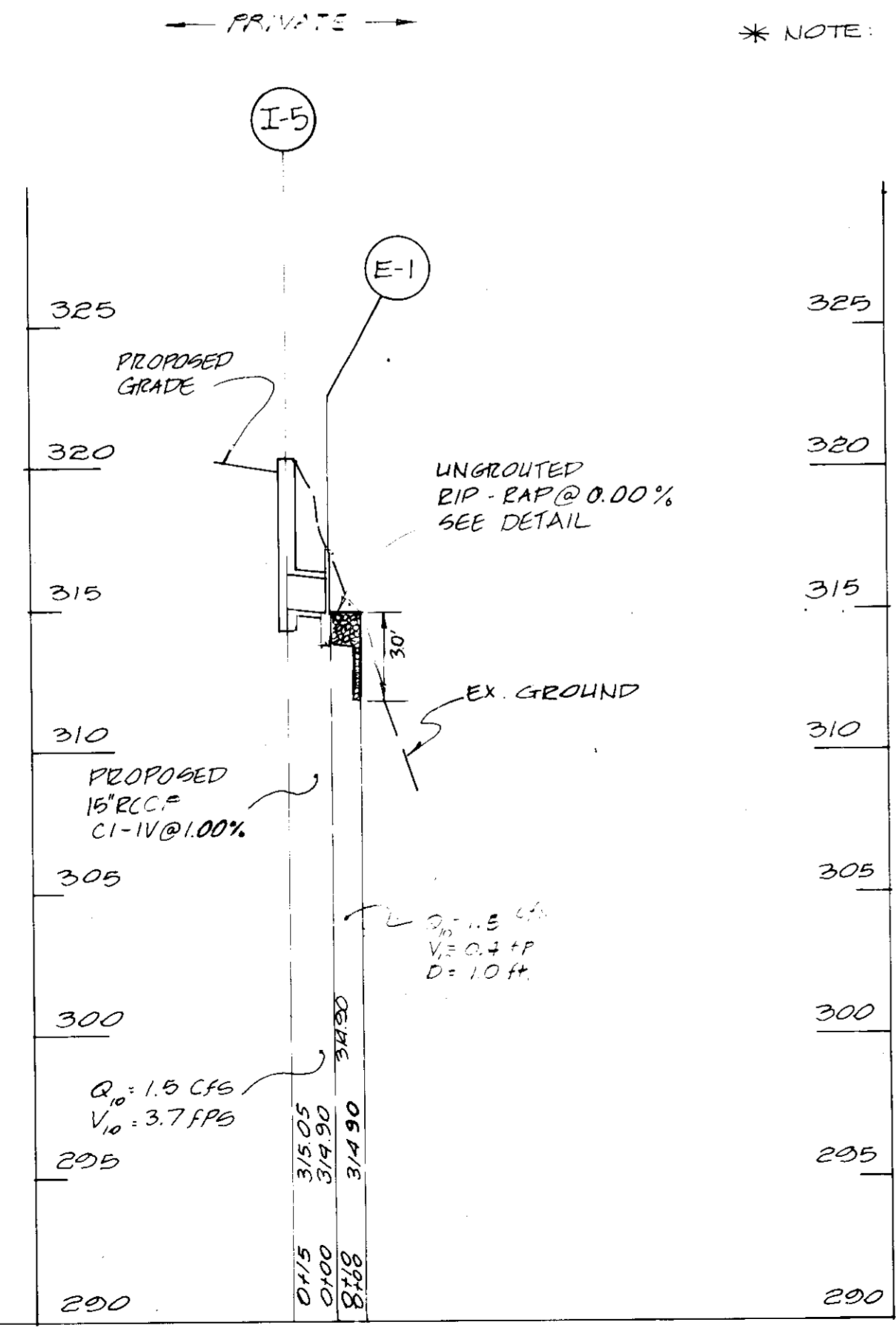
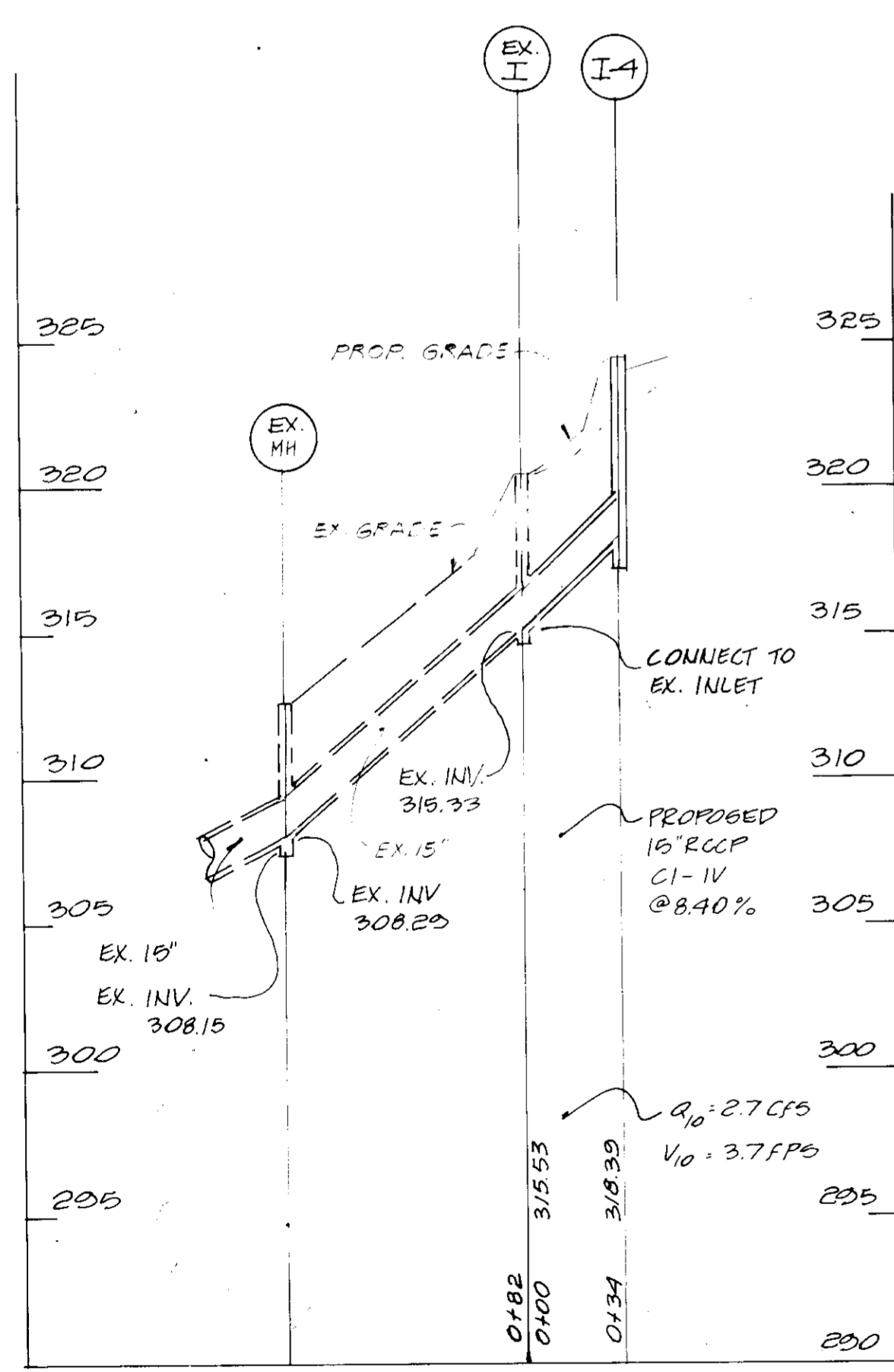
STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INVERT IN.	INVERT OUT	TOP EL.	REMARKS
I-4	A-5	SEE PLAN & PROFILE	317.80	317.80	324.50	HO. CO. STD. SD-4.04
I-5	A-5	SEE PLAN & PROFILE	315.00	315.00	319.50	HO. CO. STD. SD-4.01
I-6	A-5	SEE PLAN & PROFILE	329.34	329.34	336.60	HO. CO. STD. SD-4.02
I-7	A-5	15' LT STA. 10+45	325.00	324.68	329.59	HO. CO. STD. SD-4.01
I-8	A-10	15' LT STA. 10+35	326.03	326.03	330.32	HO. CO. STD. SD-4.02
M-1	SHALLOW BRICK MH	15' LT STA. 10+06	310.89	310.89	316.00	HO. CO. STD. G-5.05
E-1	END WALL	SEE PLAN & PROFILE	314.30	-	317.30	HO. CO. STD. SD-8.21
E-2	END SECTION	SEE PLAN & PROFILE	325.58	-	327.20	HO. CO. STD. SD-5.51

DATE 6-20-86  
M. H. M.



DETAIL FOR UNGRADED RIP-RAP  
NOT TO SCALE

\* NOTE: THIS DIMENSION IS 2'-0" FOR STR. # E-1 AND 2'-0" FOR STR. # E-2



GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION.
- ALL INLETS SHALL BE HOWARD COUNTY STANDARD UNLESS OTHERWISE NOTED.
- ALL STREET CURB RETURNS SHALL HAVE A 30.0' RADII UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS 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 (2) WEEKS IN ADVANCE OF ANY CONSTRUCTION.
- TEMPORARY COMPACTED 18" HIGH EARTH FILL DIVERSION DIKES SHALL BE CONSTRUCTED ABOVE THE LIPS OF FILL SLOPES ON THE R.O.W. CONCURRENTLY WITH THE INITIAL GRADING AND DIRECTED TO UNDISTURBED SOD AREAS AT THE END OF EACH DAY.
- CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE NO. 992-2436.
- ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
- ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 P.S.I. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDED. SEE THE SEED SPECIFICATIONS ON SHEET 7 OF 9.
- TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1978, REVISED EDITION.
- STABILENKA (FILTER CLOTH T-100) OR EQUAL SHALL BE PLACED UNDER ALL STONE RIP-RAP (FULL WIDTH AND LENGTH OF STONE).
- STONE FOR RIP-RAP SHALL BE AS SPECIFIED ON THE DRAWINGS. ALL RIP-RAP SHALL BE UNPAVED.
- STUBS FOR 6" P.V.C. UNDERDRAIN PIPE TO BE INSTALLED AT CENTER OF EACH WALL OF EVERY INLET.

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

REVISION NO.	DATE	BY	DESCRIPTION
1			
2			
3			

**Dewberry & Davis**  
Architects Engineers Planners Surveyors  
3300 N. Ridge Road, Suite 100  
Ellicott City, MD 21043  
301 461-7478  
Metro 821-4970

*Robert L. Winkler* 14210  
CONSULTING ENGINEER  
REG. NO. MARYLAND STATE  
3-12-87

**CHESAPEAKE HOMES INC.**  
1531 EDGEWOOD ST. STE. M  
BALTIMORE, MD 21227

DESIGN: G.P.  
DRAWN: L.W.  
CHECK: G.F.

**STORM DRAIN PROFILES**  
VILLAGE OF KINGS  
CONTRIVANCE  
SECTION 3 AREA 1  
TAX MAP NO. 42 6TH ELECTION DISTRICT HOWARD COUNTY, MD.  
SCALE: AS SHOWN DATE: FEB 1986 SHEET 7 OF 7 FILE: PD 235  
- SDP 60-0100