

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SEDIMENT CONTROL PLAN
4	DRAINAGE (AREA MAP, SD PROFILES & DETAILS)
5	LANDSCAPING PLAN

SITE DEVELOPMENT PLAN

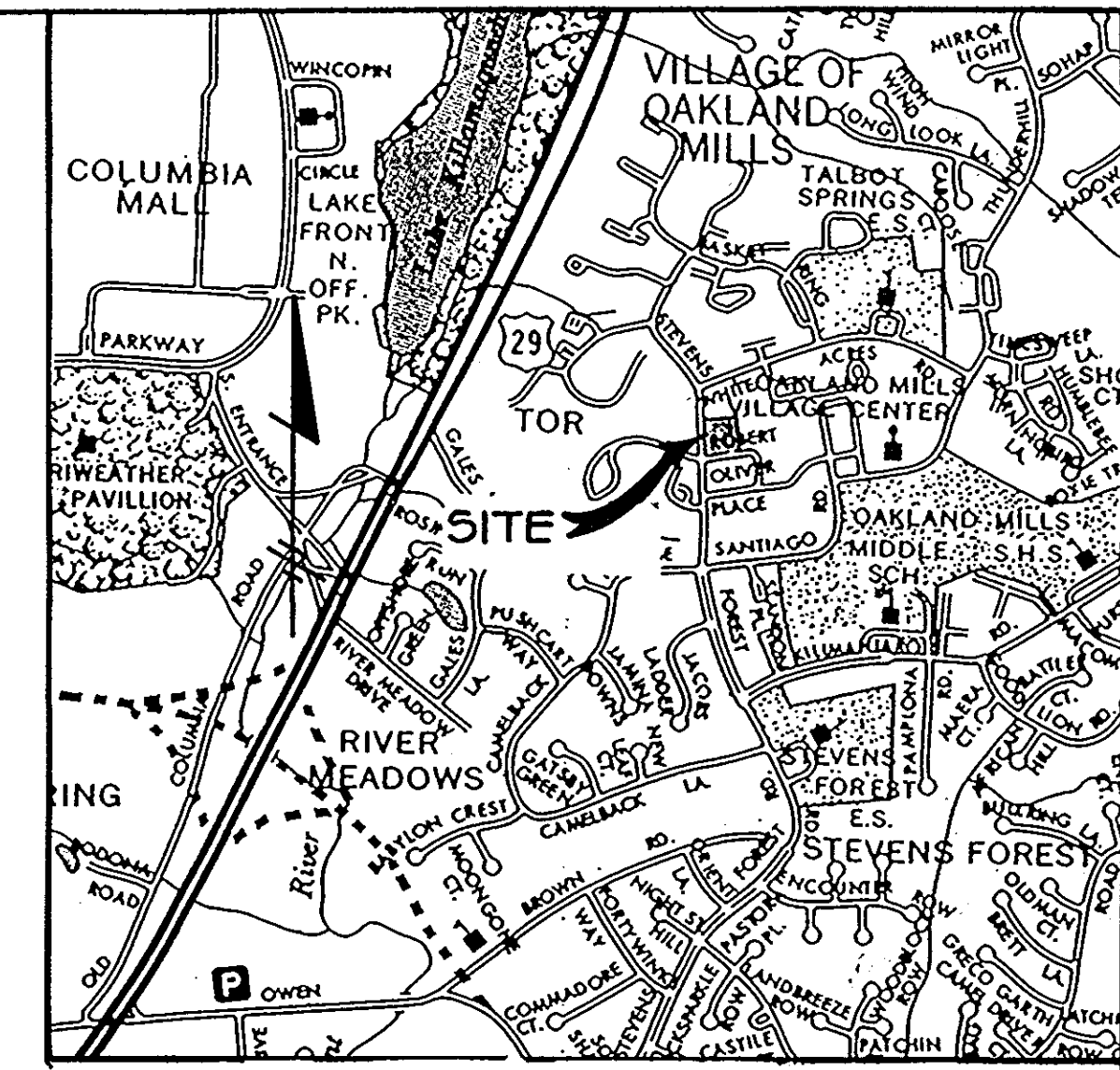
CITIZENS BANK

BEST BEAUTY SUPPLY STORE

OF MARYLAND

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

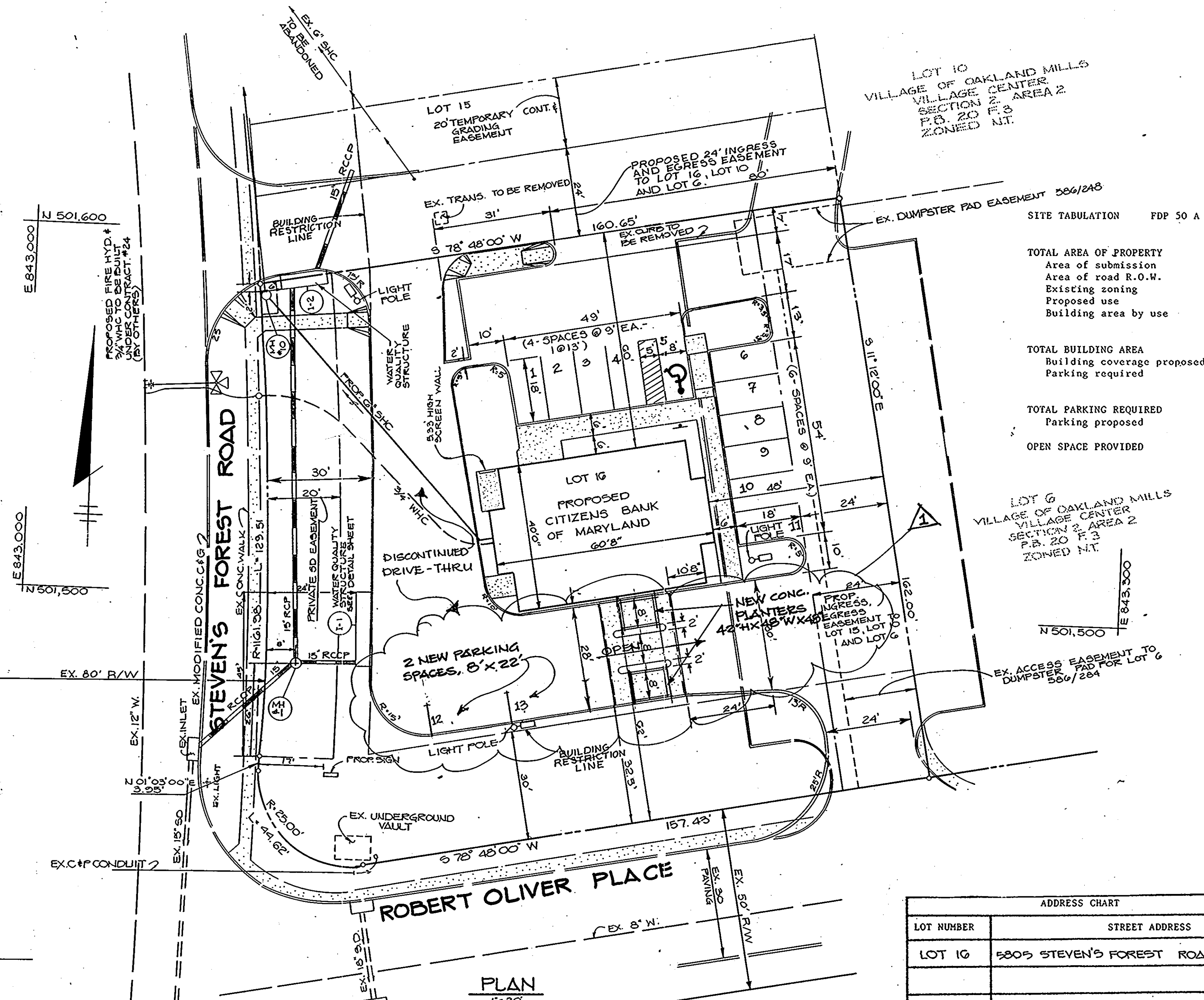


VICINITY MAP
NO SCALE

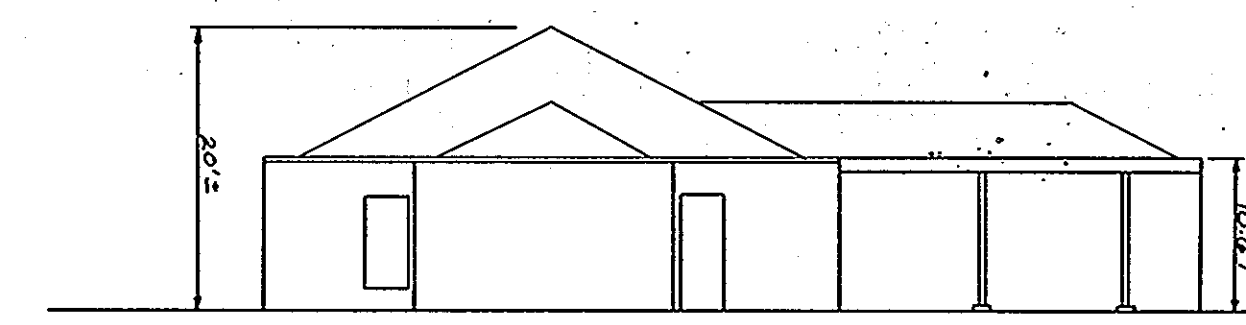
GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- 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 PIT EXISTING UTILITIES AT LEAST FIVE (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.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

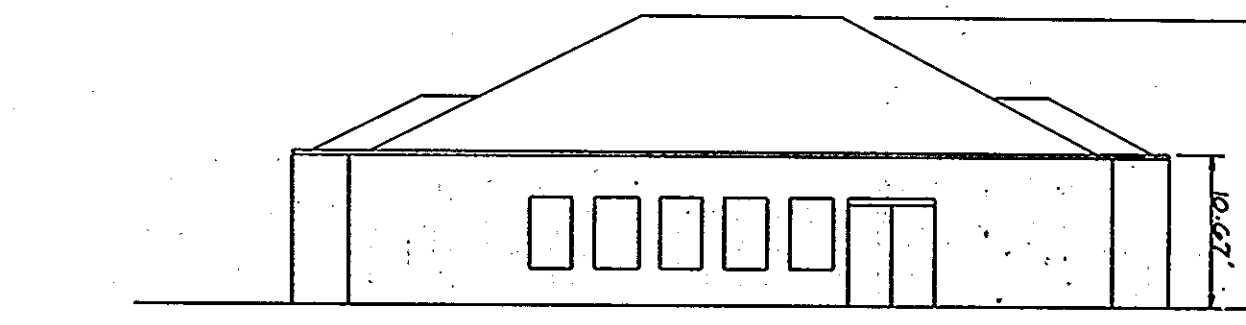
MISS UTILITY	1-800-257-7777
C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS & ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)	792-7272
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED AUGUST 1988, 1986 BY THE RIEMER GROUP.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- SEE OFFICE OF PLANNING AND ZONING FILE F 89-48



TOTAL AREA OF PROPERTY	27,778 SF = 0.638 Ac.
Area of submission	34,847 SF = 0.80 Ac.
Area of road R.O.W.	-0-
Existing zoning	-0-
Proposed use	New town: Employment Center: Commercial
Building area by use	-Bank-and drive-through BEAUTY SUPPLY STORE
	-1200 SF bank NLA open-to-public STORE
	1051 SF office
TOTAL BUILDING AREA	2251 SF BEAUTY SUPPLY STORE
Building coverage proposed	2002 SF (includes drive-thru canopy)
Parking required	12 SF (@ 5 sp/1000 SF NLA commercial)
	4 SF (@ 3 sp/1000 SF office)
TOTAL PARKING REQUIRED	12 SF Spaces
Parking proposed	11 Spaces (including 1 Handicapped)
OPEN SPACE PROVIDED	13,110 SF (0.278 Ac.)



WEST ELEVATION



NORTH ELEVATION
NO SCALE

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
LOT 10	5805 STEVEN'S FOREST ROAD

SUBDIVISION NAME	VILLAGE OF OAKLAND MILLS	SECT./AREA	2 / 2	LOT/PARCEL #	10
PLAT # OR L/F	2	TAX/ZONE MAP	6201	BLDG. DIST.	6
WATER CODE	E03	SEWER CODE	5522200	CENSUS TR	6061.01

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 2-15-89
LES

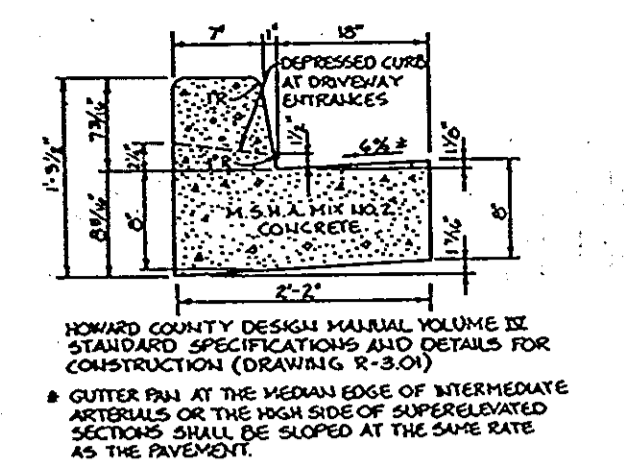


APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	<i>James P. Byle</i>	4-28-89
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.	<i>W. H. ...</i>	5-18-89
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	<i>James S. de Cangelis</i>	5-5-89
APPROVED: CHIEF, BUREAU OF ENGINEERING	<i>James P. ...</i>	4-24-89

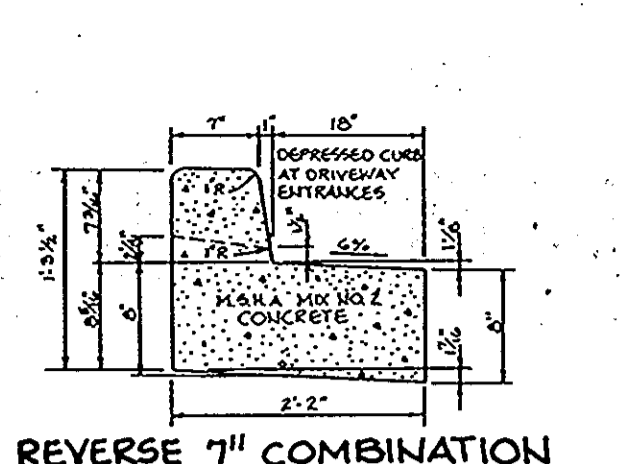
OWNER/DEVELOPER	CITIZEN'S BANK AND TRUST COMPANY 6200 BALTIMORE BOULEVARD RIVERDALE, MARYLAND 20737
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PROJECT: REF: F 89-48	CITIZEN'S BANK OF MARYLAND
AREA COLUMBIA - VILLAGE OF OAKLAND MILLS	VILLAGE CENTER - LOT 10 - PLAT NO. 89-07
T.M. 36-G 6th ELECTION DISTRICT - HO. CO., MARYLAND	TITLE SHEET

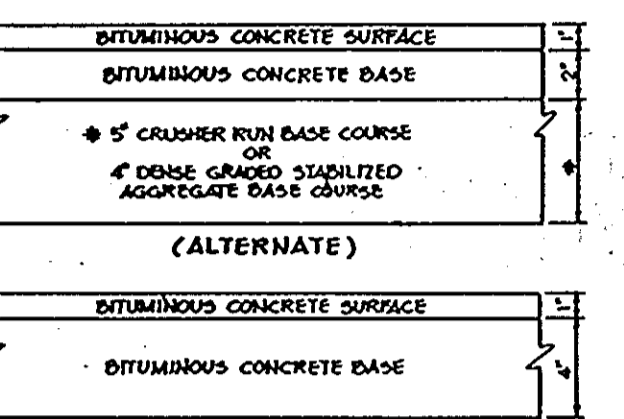
THE RIEMER GROUP, INC.	DATE: 4/2/89
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm 3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 461-2690	DESIGNED BY: D.B.S.
APPROVED ARTHUR E. MUEGGE	DRAWN BY: S.L.S.
DRAWING NO. 1 OF 5	PROJECT NO: 89502
SDP 89-67	DATE: SEPT. 28, 1988
	SCALE: AS SHOWN



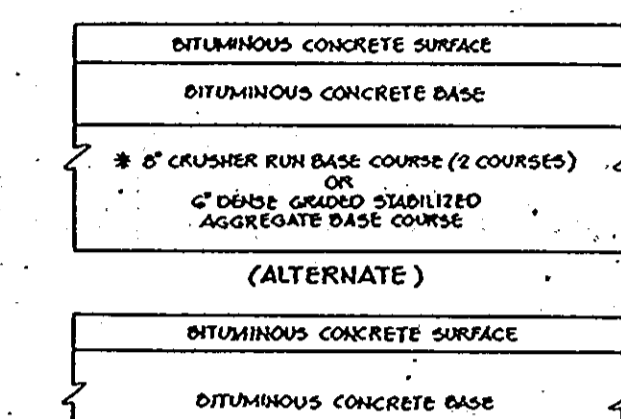
STANDARD 7" COMBINATION CURB AND GUTTER
No Scale



REVERSE 7" COMBINATION CURB AND GUTTER
No Scale



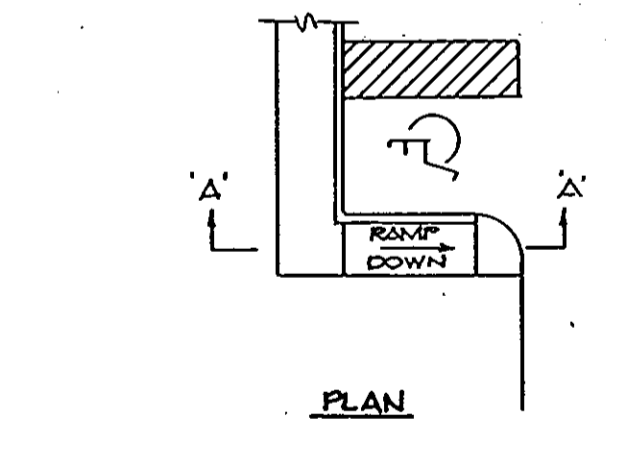
(5" PAVING, P-1)



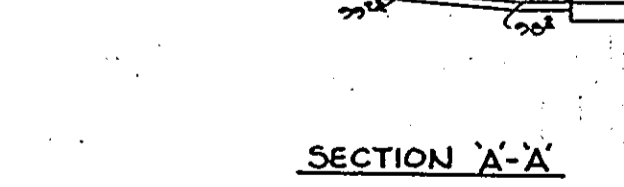
(6" PAVING, P-2)



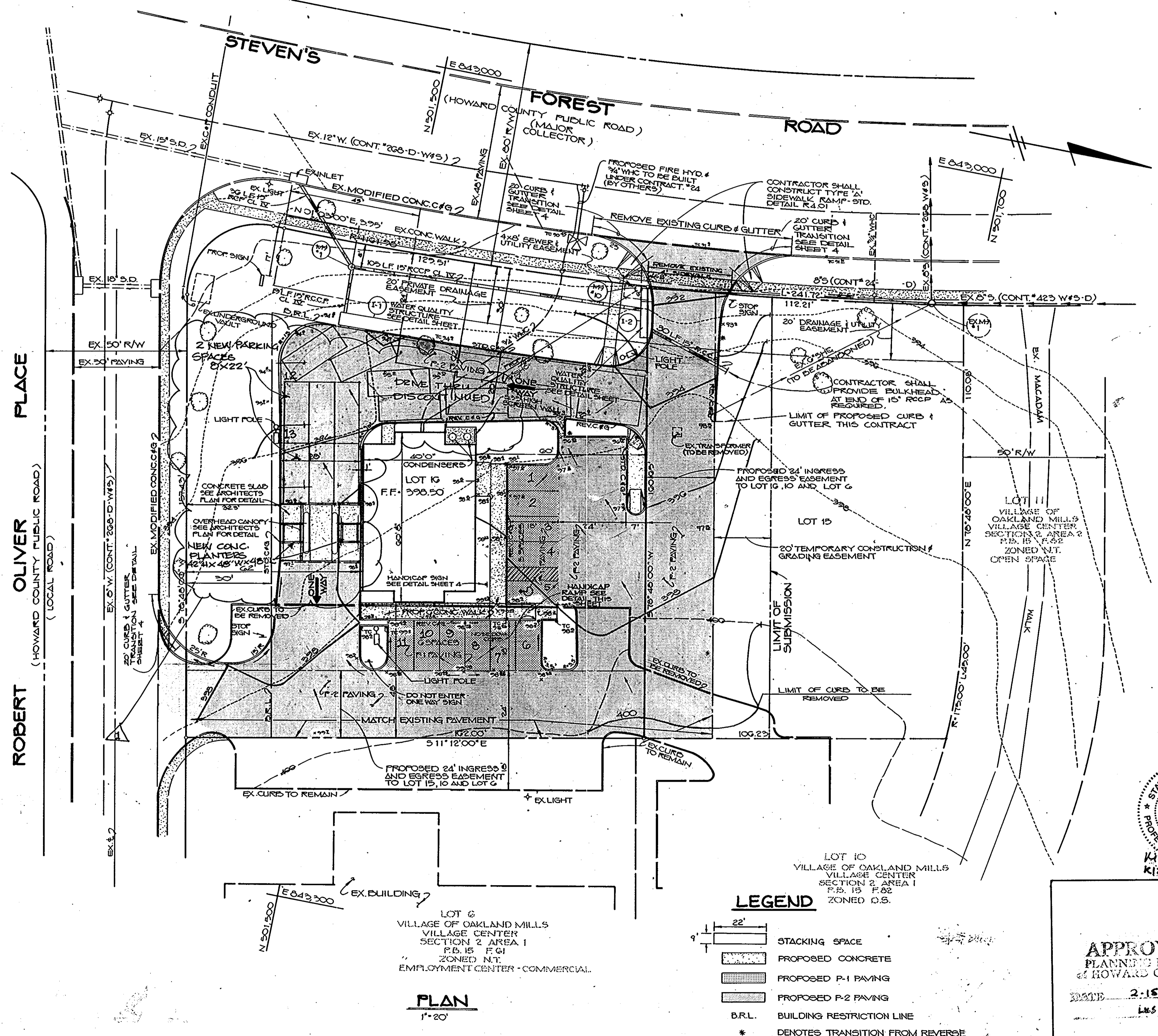
HANDICAP PARKING DETAIL
NO SCALE



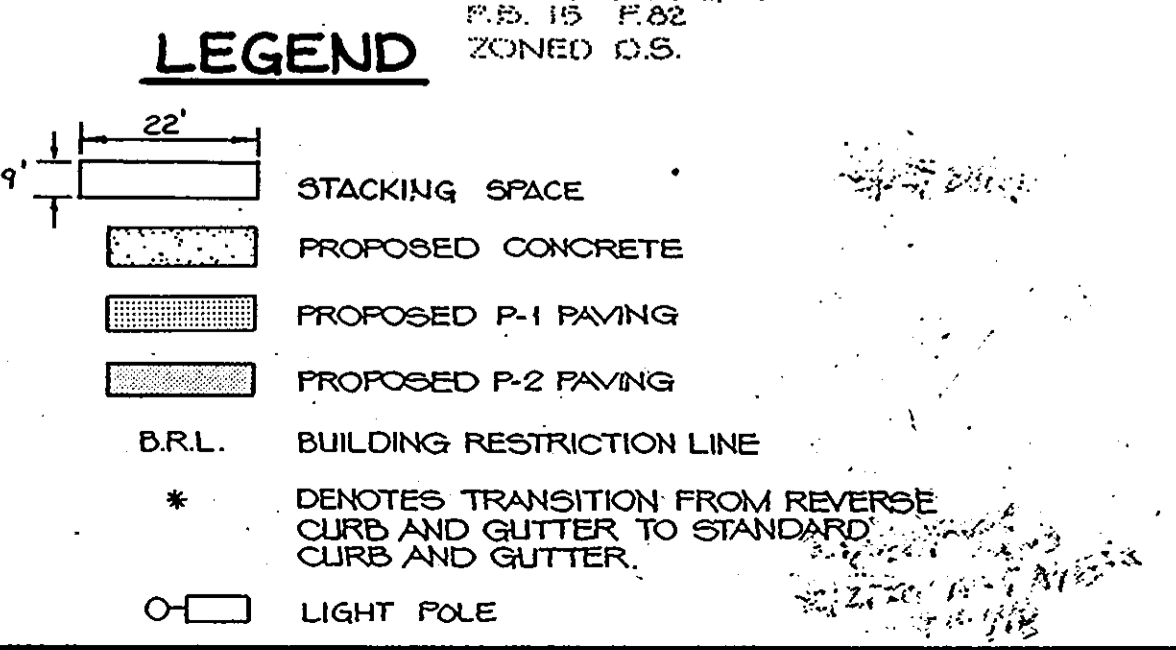
PLAN



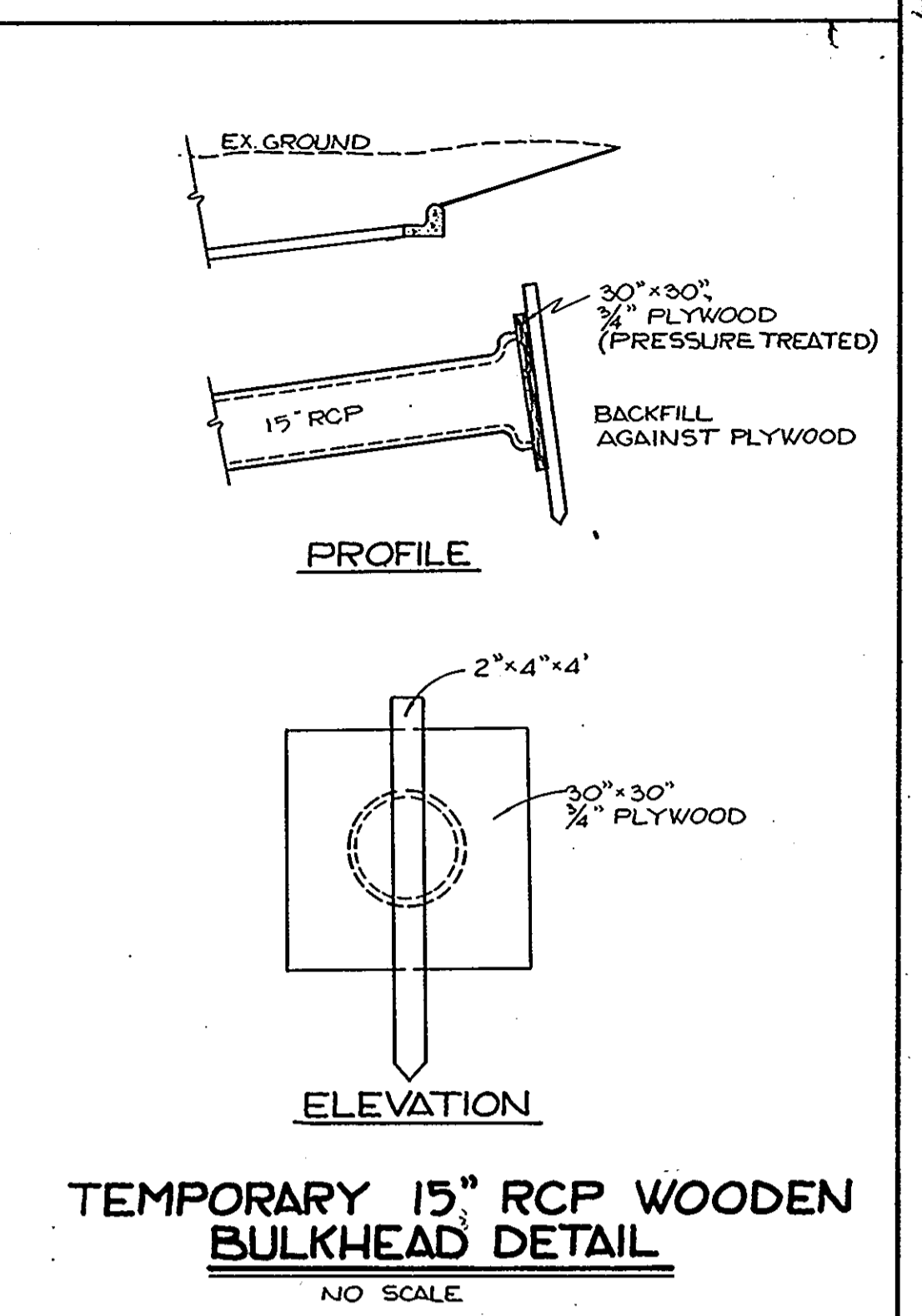
SECTION A-A



PLAN
1"=20'

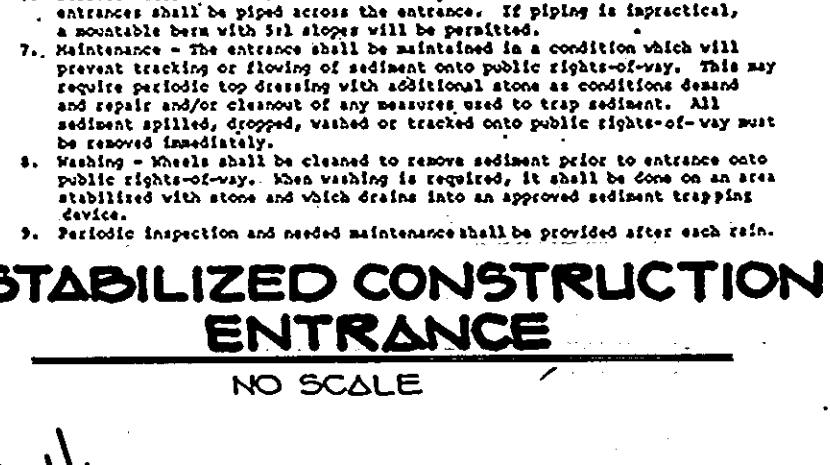
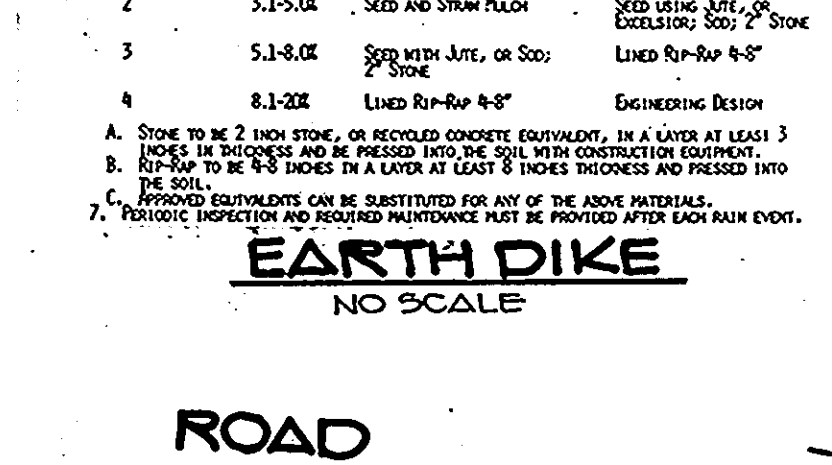
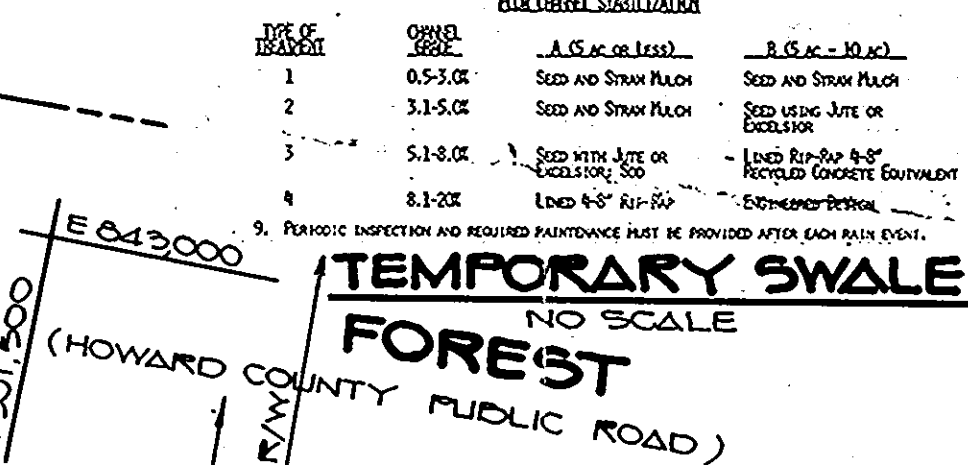
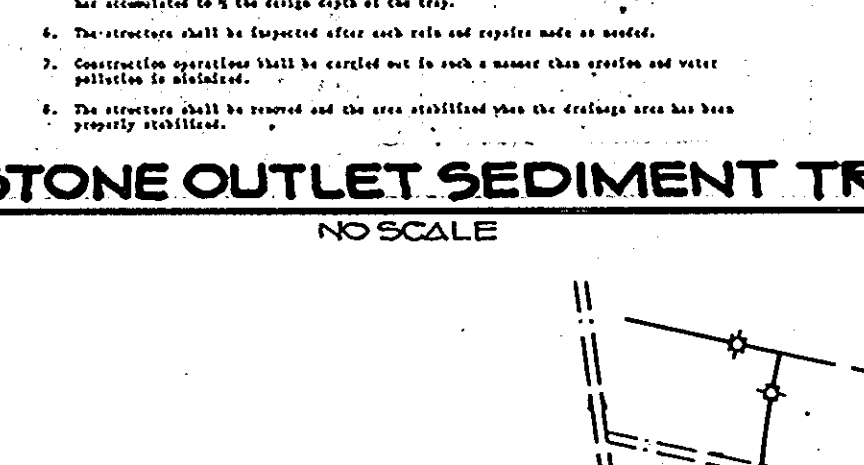
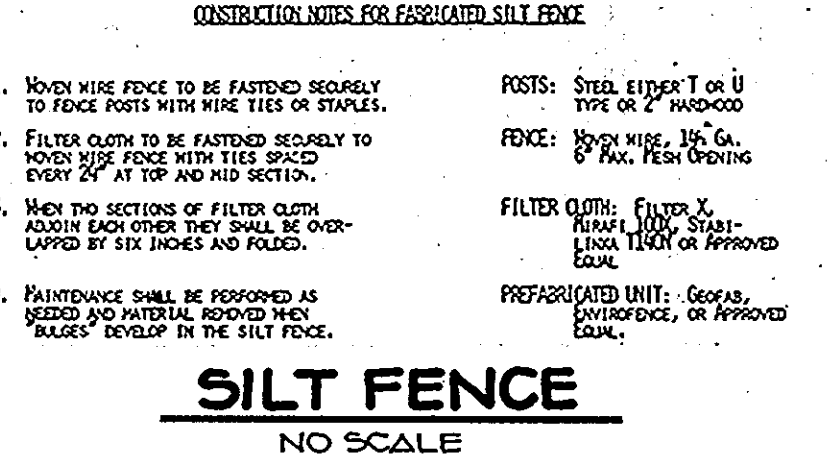
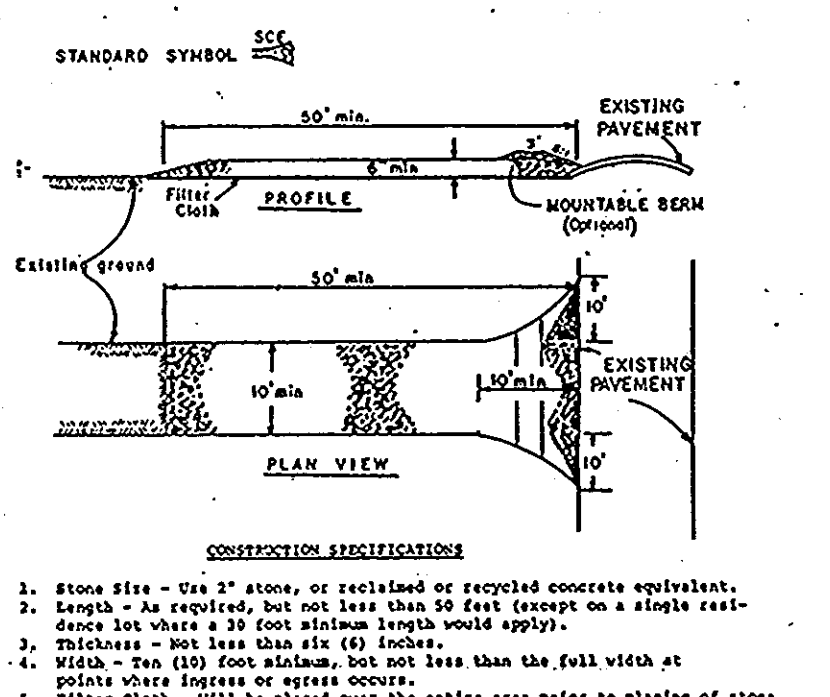
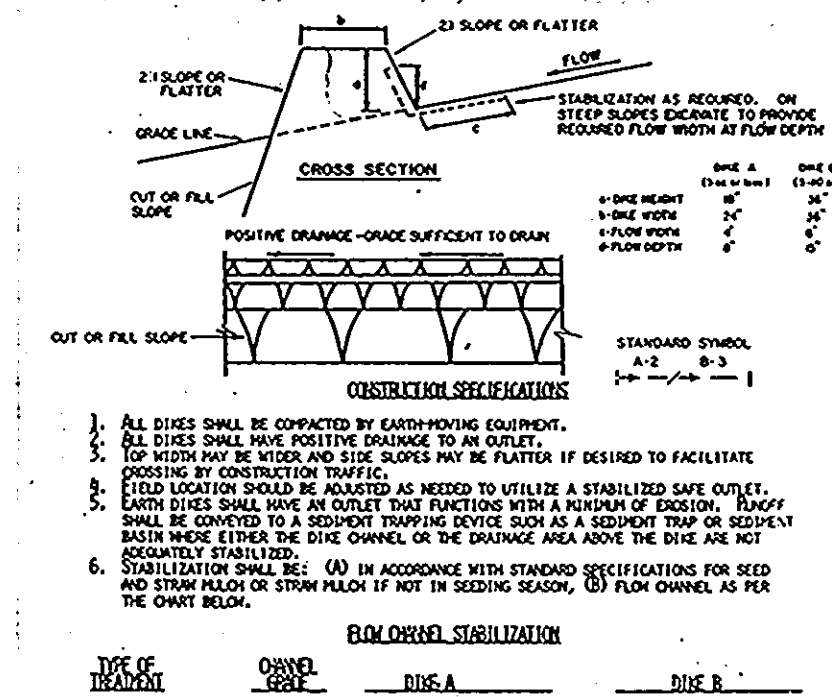
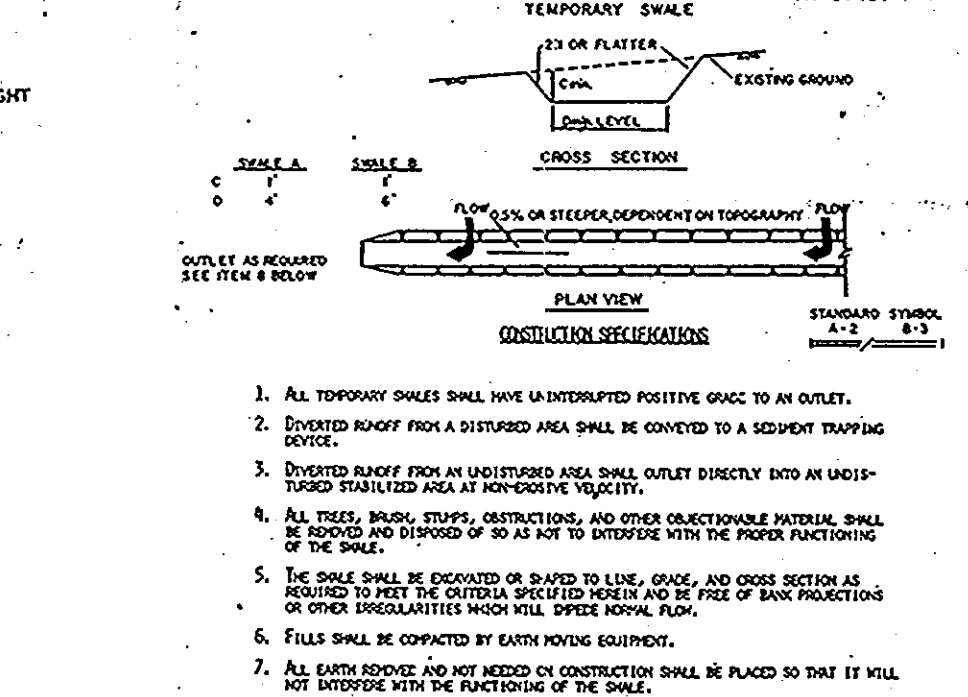
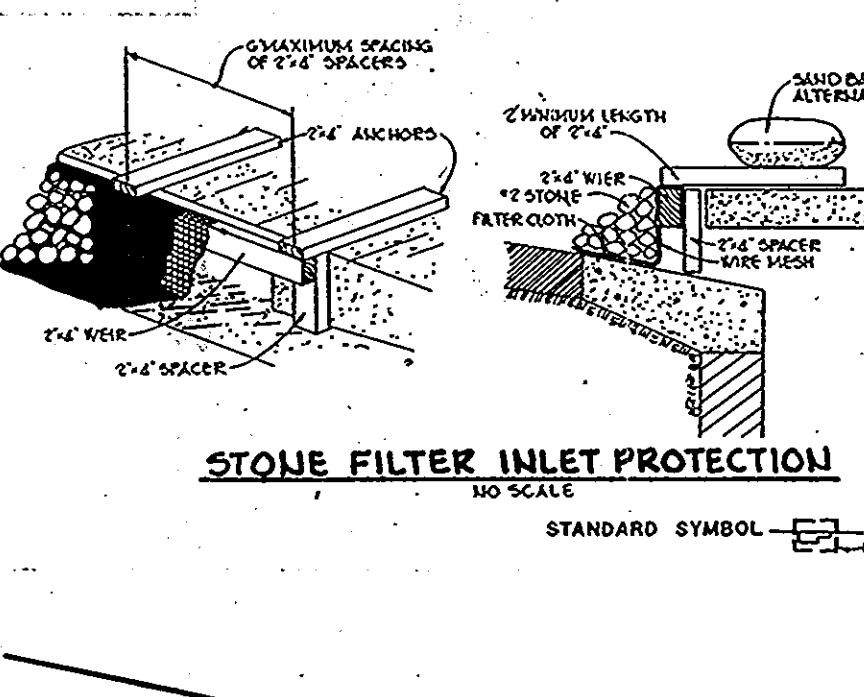
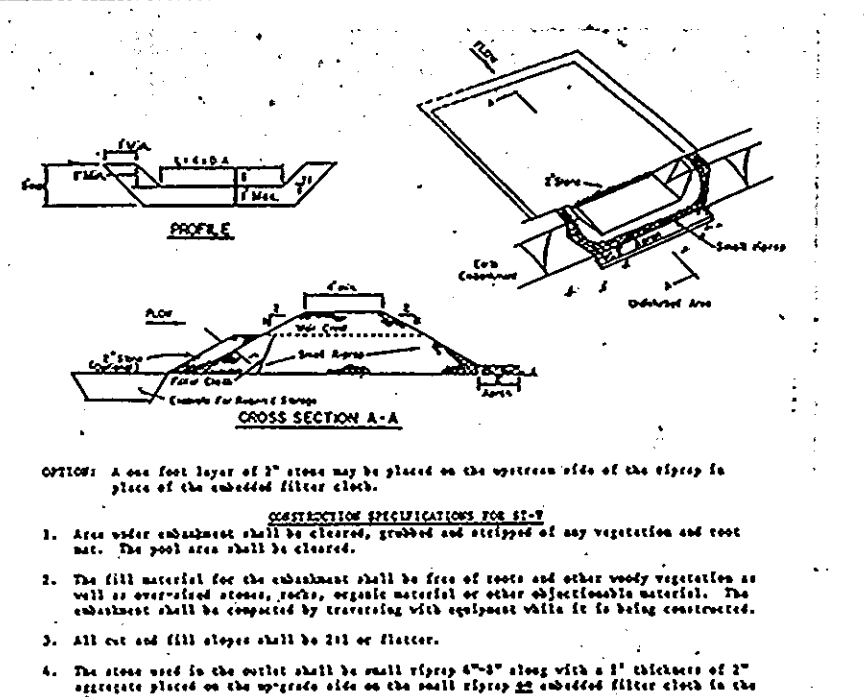
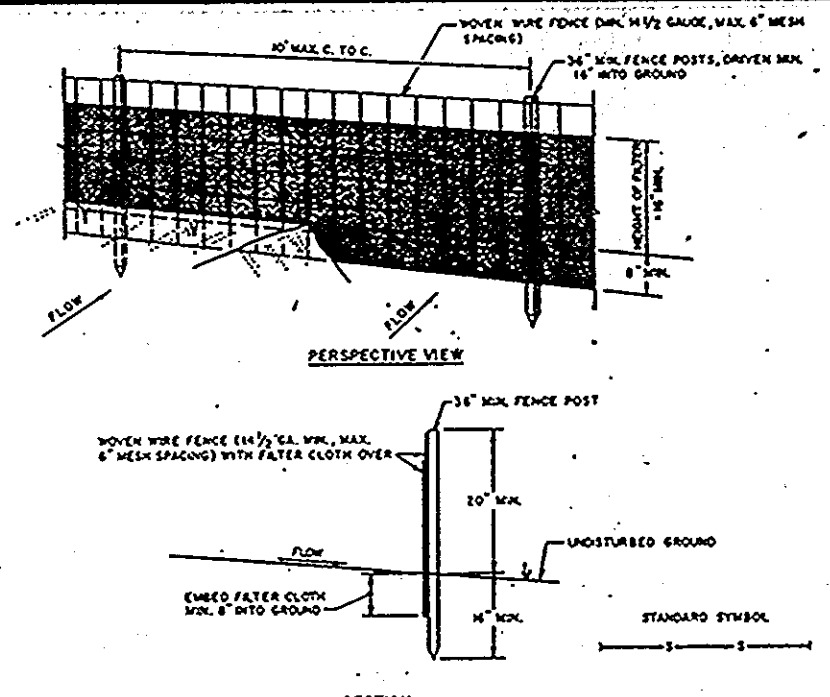


APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE: 2-15-89
LWS



TEMPORARY 15" RCP WOODEN BULKHEAD DETAIL
NO SCALE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Joyan Bayle COUNTY HEALTH OFFICER 4-28-89 DATE
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
W. L. Smith PLANNING DIRECTOR 5-18-89 DATE
David J. DeAngelis CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT 4-25-89 DATE
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James P. Lewis DIRECTOR 4-23-89 DATE
William S. Brown CHIEF, BUREAU OF ENGINEERING 4-24-89 DATE
 5/16/89 1 CHANGE OF USE
 DATE NO. REVISION
 OWNER/DEVELOPER
 CITIZEN'S BANK AND TRUST COMPANY
 2200 BALTIMORE BOULEVARD
 RIVERDALE, MARYLAND 20717
 PROJECT: REF: F 89-18
CITIZEN'S BANK OF MARYLAND
 AREA: COLUMBIA VILLAGE OF OAKLAND MILLS VILLAGE CENTER - LOT 16 - FLAT NO. 8507
 T.M. 29 G² ELECTION DISTRICT, HO. CO., MARYLAND
 TITLE:
SITE DEVELOPMENT PLAN
THE RIEMER GROUP, INC.
 The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
 3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 461-2690
 DATE: 4/1/89
 DESIGNED BY: D.S.S.
 DRAWN BY: D.S.
 PROJECT NO: 36502
 DATE: SEPT. 20, 1988
 SCALE: AS SHOWN
 DRAWING NO. 2 OF 5
 STATE OF MARYLAND
 ELICOTT CITY
 PROFESSIONAL ENGINEER
 No. 11718
 K12170A-11116



CONSTRUCTION NOTES FOR PREPARED SILTY FENCE

1. HORN WIRE FENCE TO BE FASTENED TO STAPLES OR TO POSTS. STAPLES TO BE 1/2" DIA. GALV. STEEL OR 1/2" DIA. WOOD. POSTS TO BE 2" DIA. GALV. STEEL OR 2" DIA. WOOD. POSTS TO BE SET AT 10' ON SLOPES AND 12' ON FLAT.
2. FILLER CLOTH TO BE FASTENED TO HORN WIRE FENCE WITH WIRE TIES OR STAPLES. EVERY 2' AT TOP AND MID SECTION.
3. WHEN THE SECTIONS OF FILLER CLOTH MEET, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN NEEDED. DEVELOPER TO BE RESPONSIBLE.

STONE OUTLET SEDIMENT TRAP
NO SCALE

STONE FILTER INLET PROTECTION
NO SCALE

TEMPORARY SWALE
NO SCALE

EARTH DIKE
NO SCALE

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

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 (992-5237).
2. All vegetative and structural standards are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a 7 calendar day period for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1. b) 14 days as to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 32) and (Sec. 34), temporary seedings (Sec. 30) and mulching (Sec. 32). Temporary stabilization with mulch alone can only be done when recommended seedings 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: 0.022 acres
Area to be graded or paved: 0.017 acres
Area to be vegetatively stabilized: 0.005 acres
Total Cut: 182 Cu. Yds.
Total Fill: 122 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 DPW 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 the clean out elevation shown on the plans.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 0-20-20 fertilizer at the rate of 600 lbs. per acre. Narrow or disc line and 0-20-20 fertilizer into the soil to a minimum depth of 3". Lawns or high maintenance areas will be dragged and leveled with a fork rake. At the time of seeding, apply 400 lbs. of 30-0-0 ureaform fertilizer and 500 lbs. of 10-20-20 or equivalent fertilizer per acre.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (1 lb./1000 sq. ft.) of a mixture of certified "Merion" Kentucky bluegrass; Common Kentucky bluegrass @ 40 lbs. per acre (1 lb./1000 sq. ft.) and Red Fescue, Pennlawn or Jamestown @ 20 lbs. per acre (0.5 lb./1000 sq. ft.) for the period May 1 thru July 31, seed with 40-lb./20 mix as specified above and 2 lbs. per acre (0.05 lb./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by (Option 1) 2 tons per acre of well-anchored straw mulch and seed as soon as possible in the spring. (Option 2) Use sod. (Option 3) Seed with 40-40-20 mix specified above and mulch with 2 tons/acre well-anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 216 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 6 feet or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lb./1000 sq. ft.) where soil is highly acidic, apply dolomitic limestone at the rate of 1 ton per acre.

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 140 lbs. per acre of annual rye (3.2 lbs./1000 sq. ft.). For the period May 1 thru August 15, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well-anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 216 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 6 feet or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

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

SEQUENCE OF CONSTRUCTION

1. Obtain Grading Permit.
2. Install stabilized construction entrance, silt fence, earth dike, silt trap and stone outlet sediment trap.
3. Rough grade site.
4. Install water quality structures and stone filter inlet protection for all inlets, change Trap #1 to inlet trap.
5. Grade site to subgrade, complete remaining utilities, and start building construction.
6. Install curb, pave parking lot, and stabilize all disturbed areas in accordance with permanent seeding notes.
7. Flush clean new storm drain system.
8. Upon permission of Sediment Control Inspector, remove all sediment control devices and stabilize areas disturbed by their removal in accordance with permanent seeding notes.

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Arthur E. Muegge 12-6-88
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."

Arthur E. Muegge 10-3-89
ENGINEER DATE

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 (992-5237).
2. All vegetative and structural standards are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
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Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (1 lb./1000 sq. ft.) of a mixture of certified "Merion" Kentucky bluegrass; Common Kentucky bluegrass @ 40 lbs. per acre (1 lb./1000 sq. ft.) and Red Fescue, Pennlawn or Jamestown @ 20 lbs. per acre (0.5 lb./1000 sq. ft.) for the period May 1 thru July 31, seed with 40-lb./20 mix as specified above and 2 lbs. per acre (0.05 lb./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by (Option 1) 2 tons per acre of well-anchored straw mulch and seed as soon as possible in the spring. (Option 2) Use sod. (Option 3) Seed with 40-40-20 mix specified above and mulch with 2 tons/acre well-anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 216 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 6 feet or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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

SEQUENCE OF CONSTRUCTION

1. Obtain Grading Permit.
2. Install stabilized construction entrance, silt fence, earth dike, silt trap and stone outlet sediment trap.
3. Rough grade site.
4. Install water quality structures and stone filter inlet protection for all inlets, change Trap #1 to inlet trap.
5. Grade site to subgrade, complete remaining utilities, and start building construction.
6. Install curb, pave parking lot, and stabilize all disturbed areas in accordance with permanent seeding notes.
7. Flush clean new storm drain system.
8. Upon permission of Sediment Control Inspector, remove all sediment control devices and stabilize areas disturbed by their removal in accordance with permanent seeding notes.

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

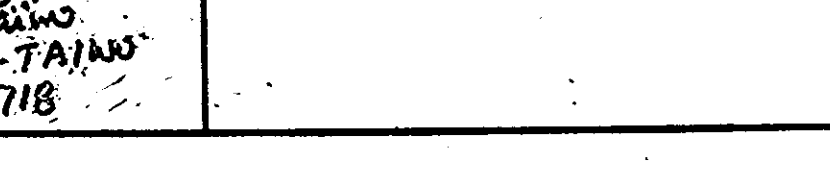
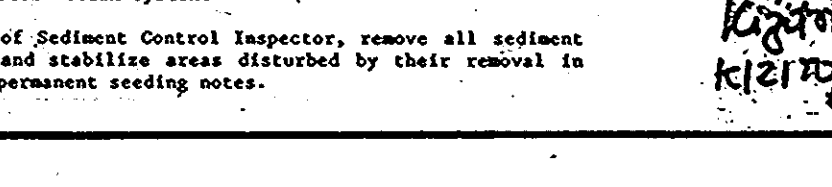
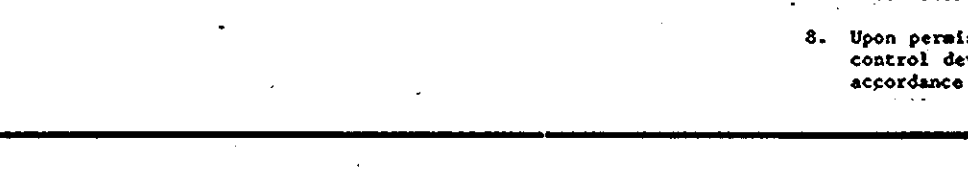
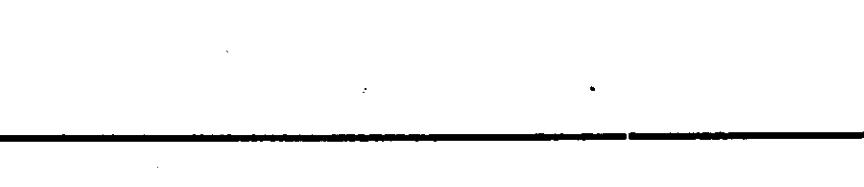
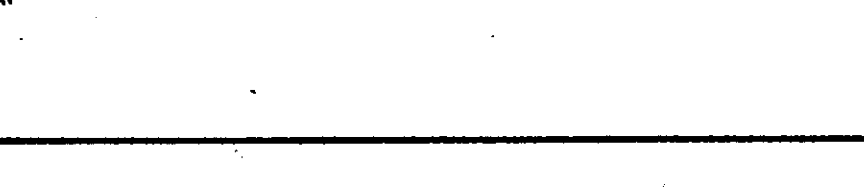
Arthur E. Muegge 12-6-88
DEVELOPER DATE

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."

Arthur E. Muegge 10-3-89
ENGINEER DATE

TYPE OF TRAP	TRAP NUMBER	DRAINAGE AREA	STORAGE VOLUME REQD (CF)	STORAGE VOLUME PROV. (CF)	CREST ELEV.	CREST WIDTH (FT)	BOTTOM ELEV.	BOTTOM DIMENS.	CLEANOUT ELEV.	SIDE SLOPES
Stone Outlet	1	.40	720	768	395.0	4'	392.0	16'x16'	393.5	1:1



REVIEWED FOR: NAME: _____ S.C.D.

AND MEETS TECHNICAL REQUIREMENTS

J. Kehring 4/12/89
U.S. SOIL CONSERVATION SERVICE DATE

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

Stephen L. Allen 4/3/89
HOWARD S.C.D. DATE

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

J. J. Baker 4-28-89
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

W. H. ... 5-10-89
PLANNING DIRECTOR DATE

Frank J. ... 5-5-89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Ronald ... 4/25/89
DIRECTOR DATE

Arthur E. Muegge 4-24-89
CHIEF, BUREAU OF ENGINEERING DATE

SIGNATURE CHANGE OF USE

DATE	NO	REVISION

OWNER/DEVELOPER

CITIZEN'S BANK AND TRUST COMPANY
2200 E. FIFTH AVENUE
RIVERDALE, MARYLAND 20737

PROJECT REF: F 89-48

CITIZEN'S BANK OF MARYLAND

AREA COLUMBIA - VILLAGE OF OAKLAND MILLS
VILLAGE CENTER-LOT 10 - PLAT NO. 8907
T.M. 36-G* ELECTION DISTRICT - HO. CO, MARYLAND

TITLE: SEDIMENT CONTROL PLAN AND DETAILS

THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3105 North Ridge Road, Elliott City, Maryland 21043 (301) 461-2690

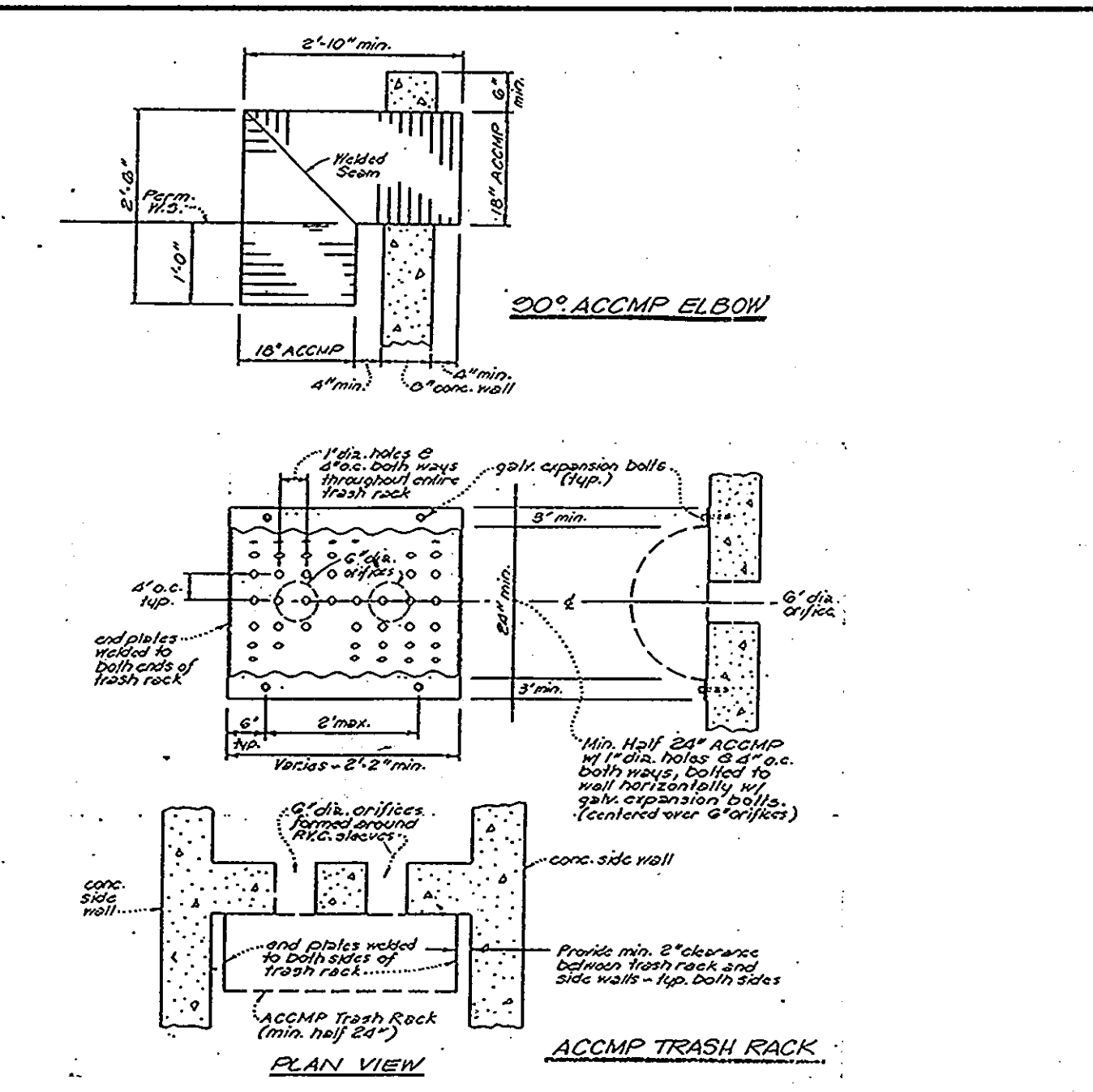
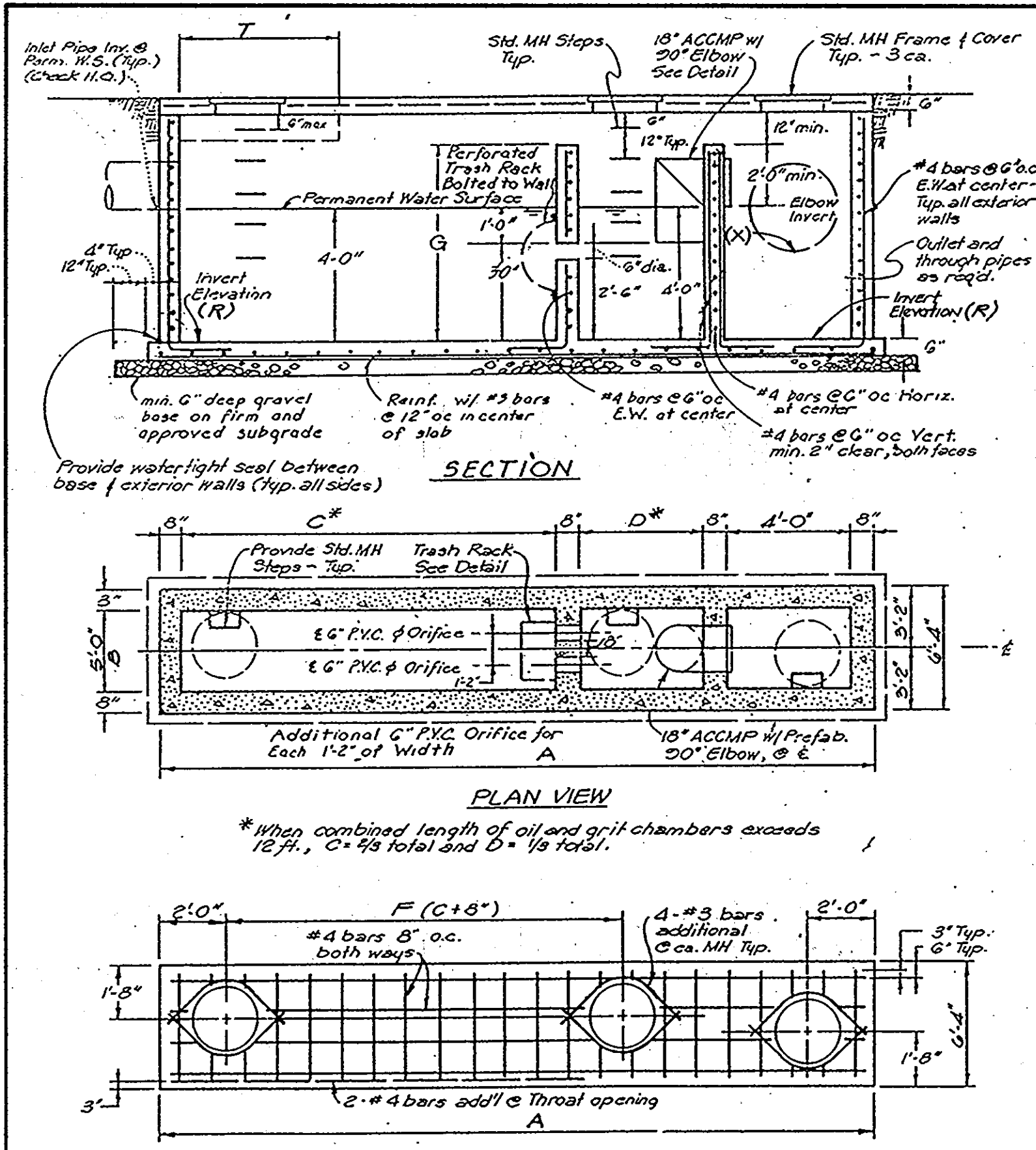
6/15/2007
STATE OF MARYLAND
ARTHUR E. MUEGGE
PROFESSIONAL ENGINEER
NO. 11718

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 2-15-89
LKS

4/1/89
DATE

DESIGNED BY: D.B.S.
DRAWN BY: D.O.S.
PROJECT NO: 06502
DATE: SEPT., 1988
SCALE: AS SHOWN
DRAWING NO. 3 OF 5

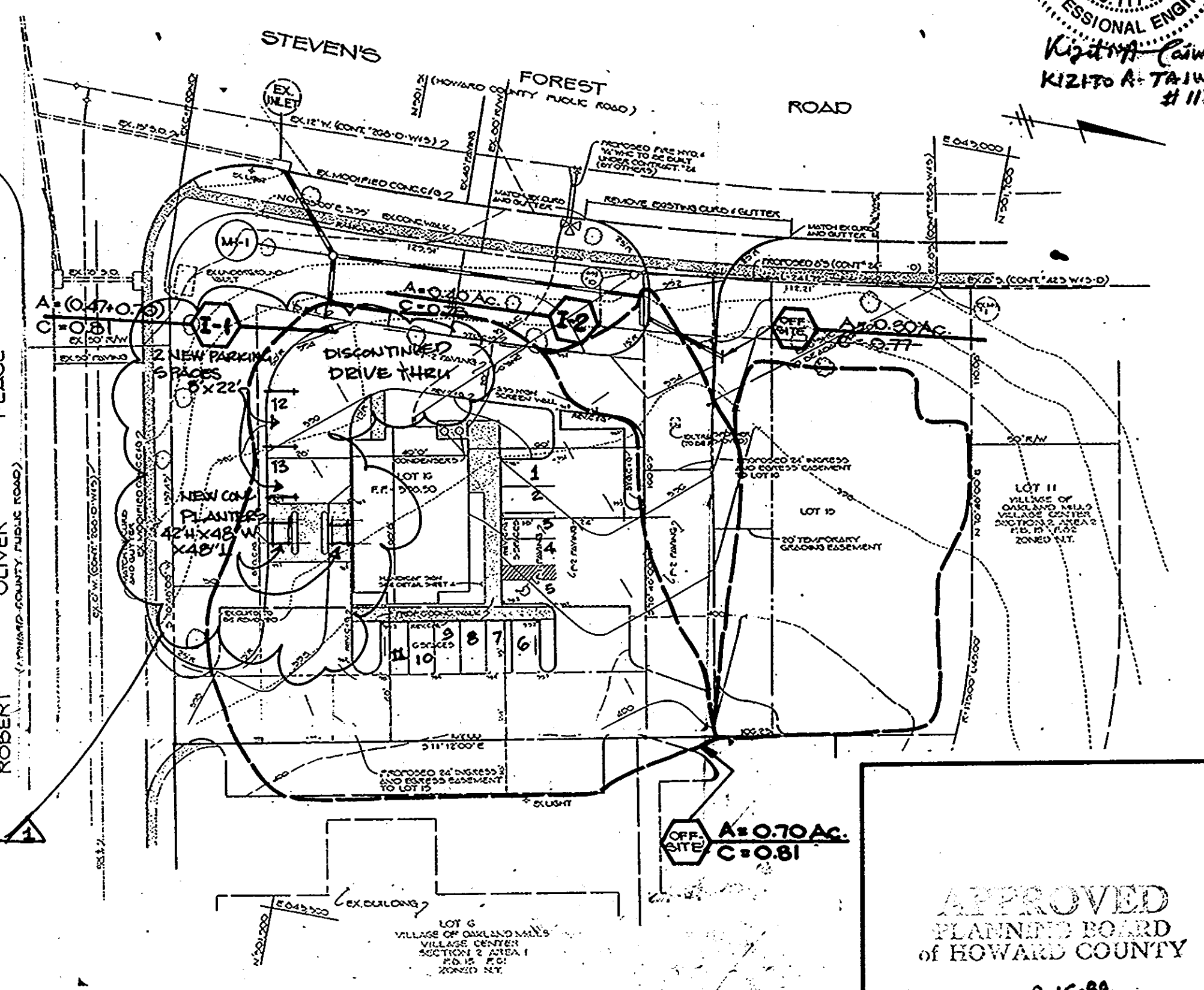
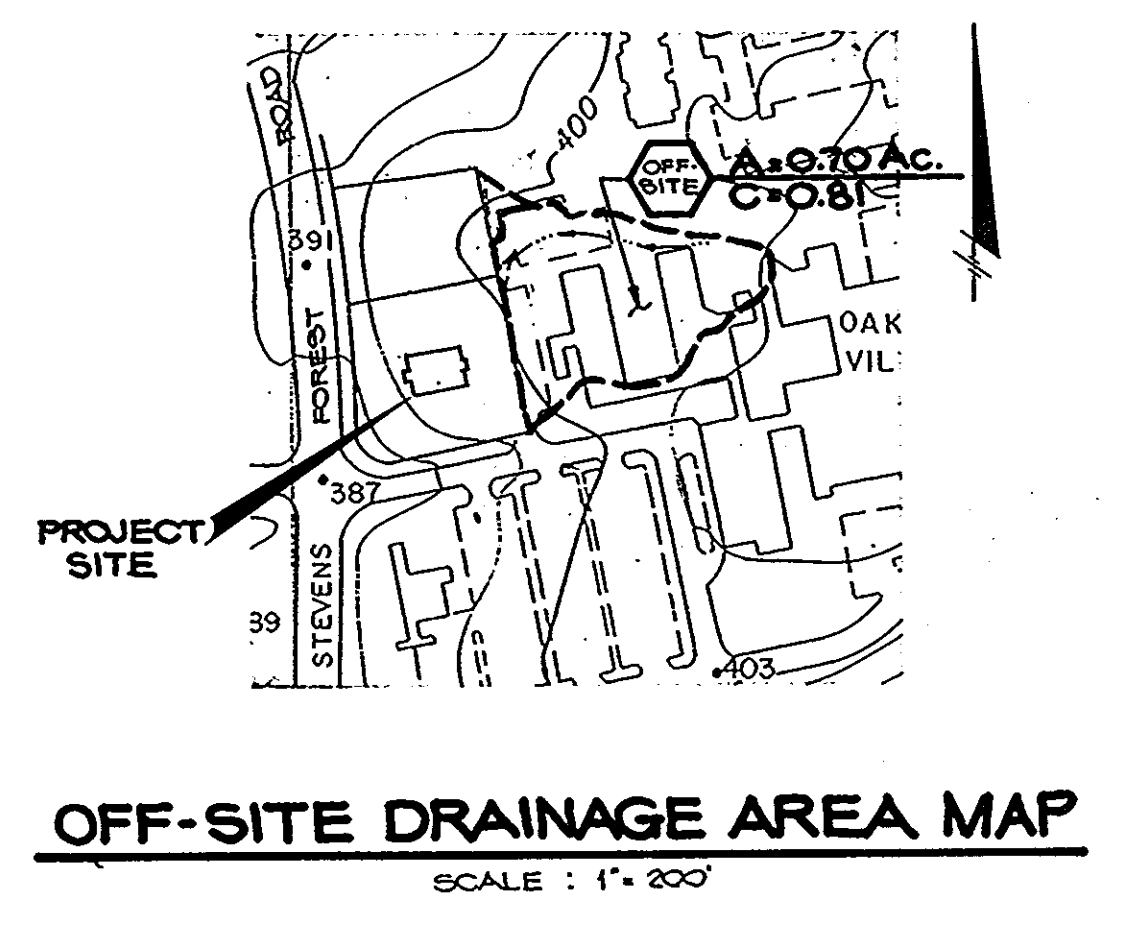
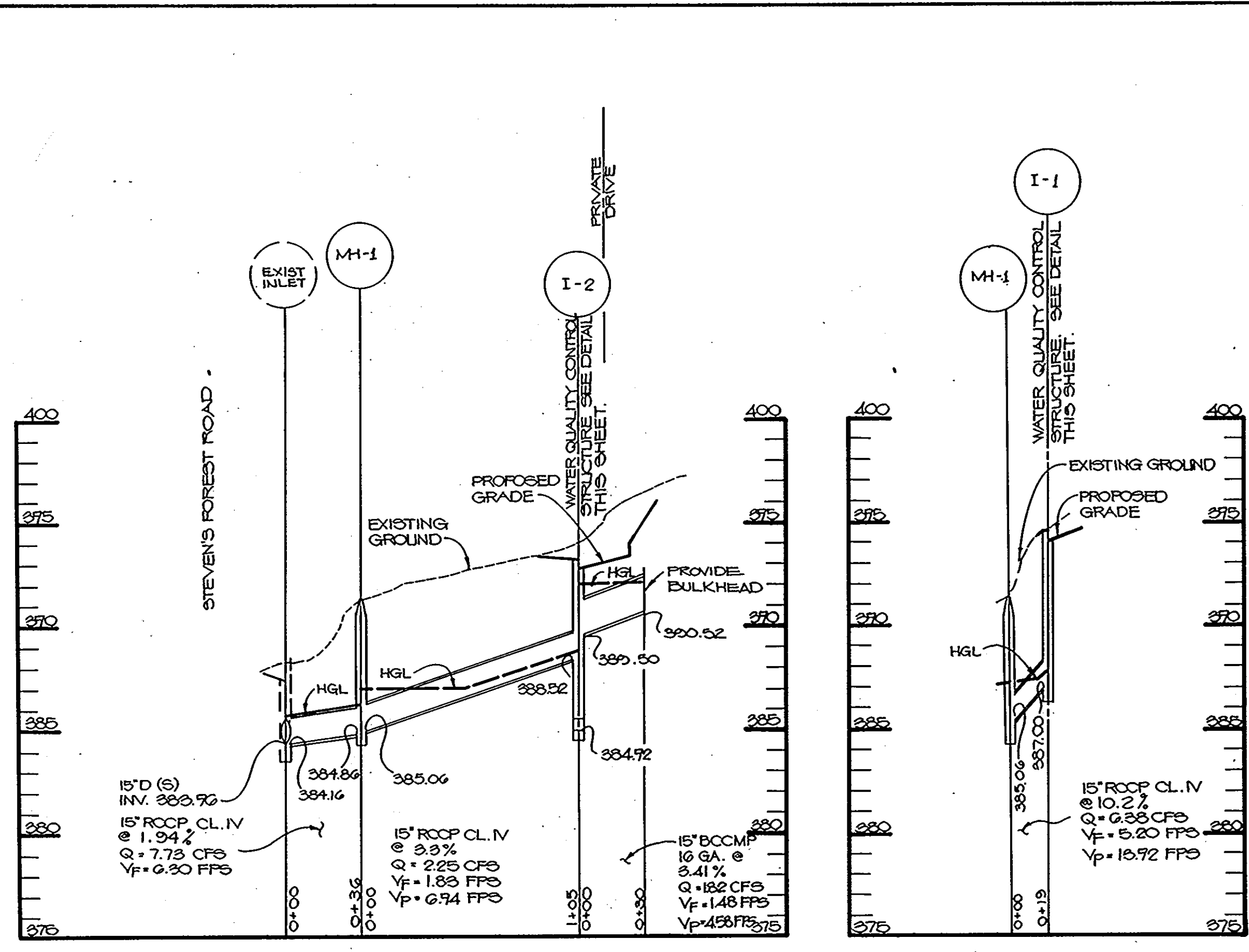
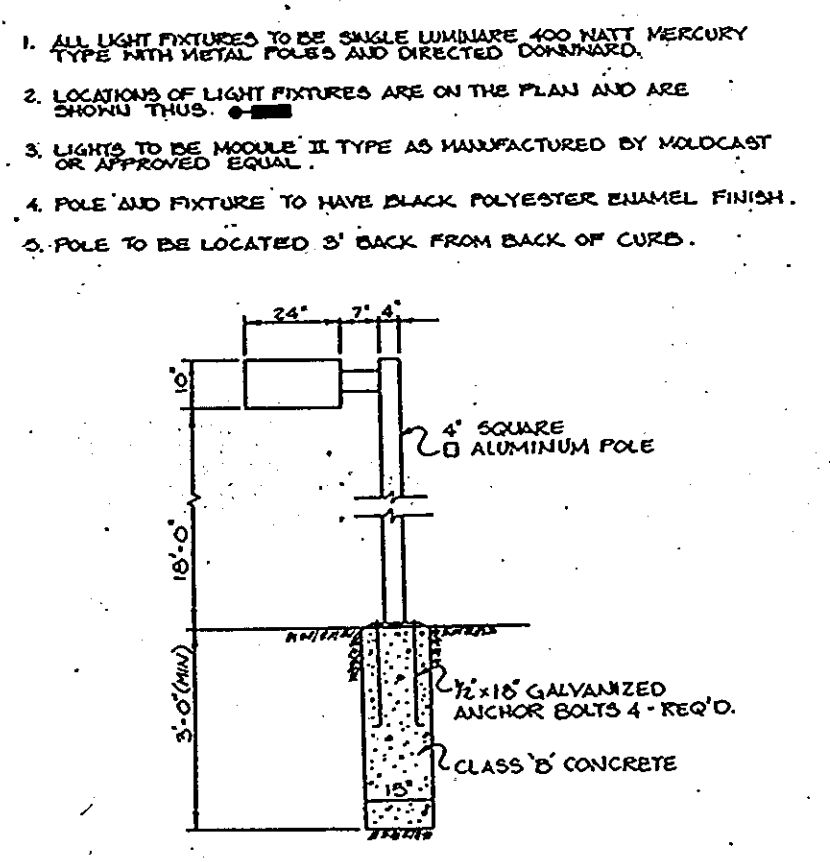
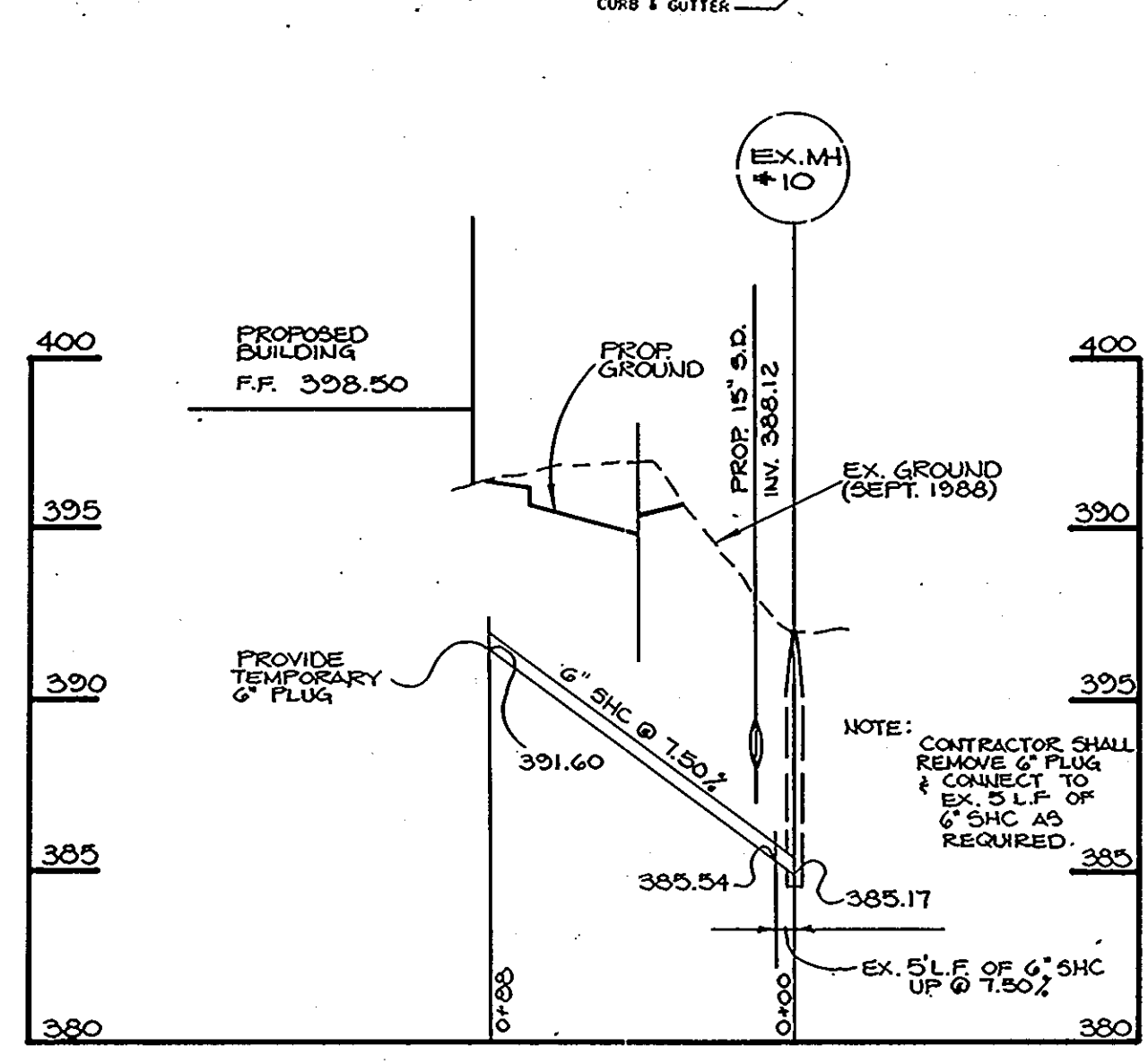
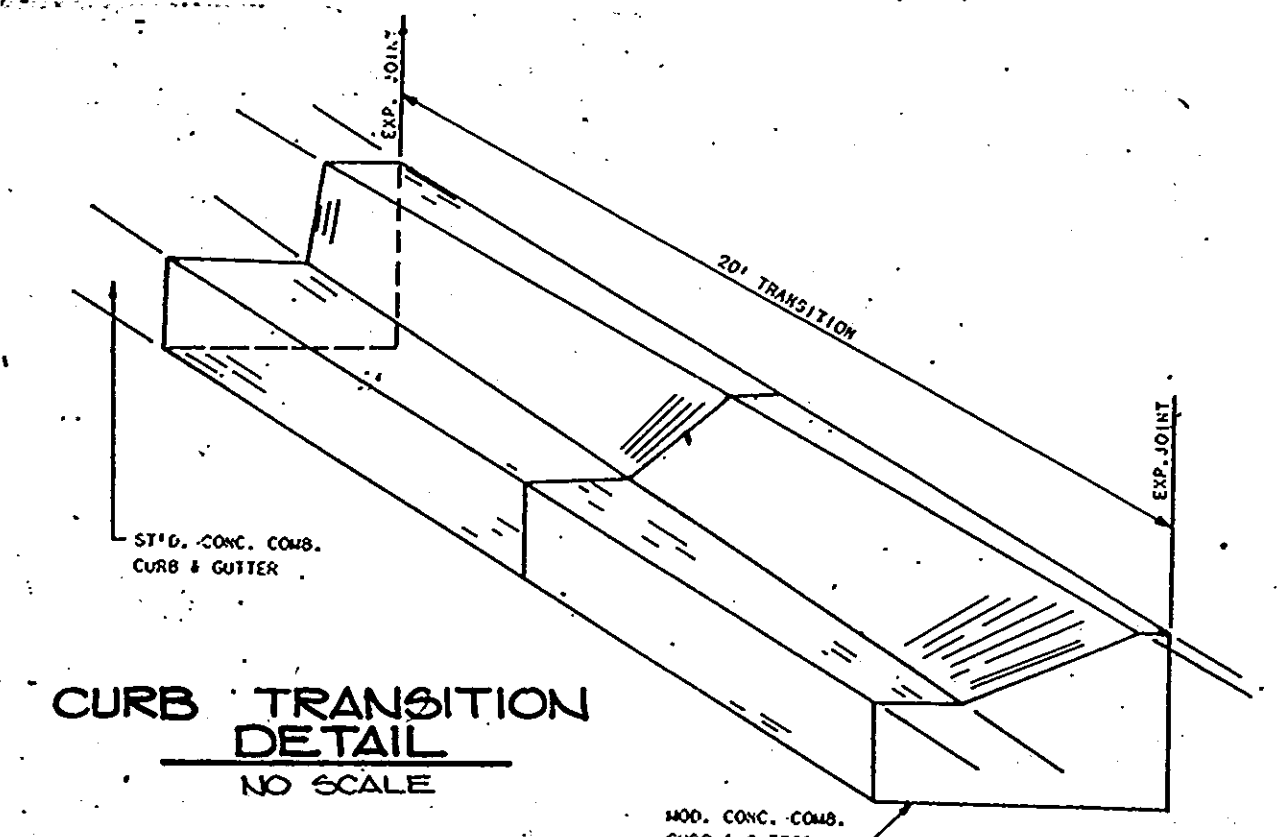
SQR 89-67



STRUCTURE DATA:

STRUCT. NUMBER	DRAIN AREA (AC)	VOL. (CU YD)	VOL. (CU FT)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	18" HOOD ELBOW INV.	TOP SLAB ELEV. UP 6"	
1	0.94	376	390	21.68	5.0	10.0	5.0	4.0	10.67	5.2	10	384.92	388.52	388.02																		
2	0.40	160	169	13.0	5.0	3.5	4.0	4.0	4.17	4.5	5	387.00	387.00	391.00																		

- NOTES:
- For storm drain inverts, see storm drain profiles.
 - Storage required = 40 c.f. per 0.1 A.C. of drainage area. (Total storage computed to depth (G)).
 - When combined length of oil and grit chambers exceeds 12 feet, "m" = 1/2 x "n" ("n" = 2/3 total and "m" = 1/3 total).
 - For inflow and outflow connecting points, see site plan.



- DESIGN AND GENERAL NOTES:
- Use poured-in-place concrete for the entire structure.
 - Refer to Maryland State Highway Administration for materials and methods of construction.
 - Wall thickness shall be as follows:
 - Minimum 8 inches thick for the first 8'-8" of depth.
 - 12 inch thick walls between 8'-8" and 12'-8" of depth and 18 inch thick walls for depth greater than 12'-8".
 - Depth to be measured from top of top slab to crown of outgoing pipe.
 - f'c = 3,589 psi at 28 days.
 - All reinforcing steel to be ASTM A615, GR. 60.
 - For details concerning throat openings, refer to MCDOT Standard No. 55.

Throat Length	No. of Pipe Supports
5'	0
10'	1
15'	2
20'	3
 - pipe supports to be spaced at 5'-8" o.c.
 - For details not noted in this standard; refer to MCDOT Standard No. 55.
 - The top 4 inches of walls may be brick masonry for leveling, if required. Brick masonry shall comply with the latest SHA Specification.
 - When grate opening is used, refer to the appropriate SHA Standard for details. Details shall be shown on the plans.
 - When inside width of structure is greater than 4'-8", reinforcing shall be revised as needed.
 - When structure is subject to traffic loading, reinforcing shall be designed for the appropriate traffic loads. Design loads shall be indicated on the plans.
 - All inlets and incoming pipes shall be checked for possible backwater or tailwater problems.

- CONSTRUCTION NOTES:
- Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
 - All openings to structures shall be protected with the appropriate sediment control measures during construction.
- INSPECTION NOTES:
- Prior to start of construction on water quality structures, the MCDP inspector must be called 48 hours in advance at 251-2624.
 - The MCDP inspector must be notified (251-2624) at each of the following stages:
 - Approval of subgrade for footings.
 - Footings formed and steel set prior to pouring.
 - Structure sides formed and steel set prior to pouring.
 - Prior to top slab and manholes being set, MCDP inspector must check structure and all debris and silt in structure removed.
 - When site is permanently stabilized and sediment control measures to protect inlet are to be removed.

- MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE):
- Water Quality Structures will require periodical cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate. Owners of water quality structures will be notified by the County of the frequency of maintenance.
 - Maintenance of these facilities will consist of cleaning out the separator and disposal of the waste and the repair of the facility as needed. Periodic inspections of these facilities will be made by the County Stormwater Management Group.
 - The disposal of the liquid and solid matter should be as follows:
 - All liquid material in the separator inlet shall be pumped into a suitable tank truck and disposed of at an approved sanitary district discharge manhole or be taken to an approved sewage treatment plant for discharge.
 - The solid material shall be landfilled in an approved sanitary landfill.
 - The inlet pipes, trash racks, grates, and structural parts shall be repaired as needed.

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

John Baglan COUNTY HEALTH OFFICER 4-28-89 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Mark A. ... PLANNING DIRECTOR 5-18-89 DATE

Harold V. ... CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT 5-5-89 DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James ... DIRECTOR 4/25/89 DATE

William ... CHIEF, BUREAU OF ENGINEERING 4-24-89 DATE

CHANGE OF USE

DATE NO. REVISION

OWNER/DEVELOPER

CITIZEN'S BANK AND TRUST COMPANY
6200 BALTIMORE BOULEVARD
RIVERDALE, MARYLAND 20757

PROJECT: REF: F 89-48
CITIZEN'S BANK OF MARYLAND

AREA COLUMBIA - VILLAGE OF OAKLAND MILLS
VILLAGE CENTER - LOT 10 - PLAT NO. 8907
T.M. 36-60 ELECTION DISTRICT - HO. CO., MARYLAND

TITLE: **DRAINAGE AREA MAPS, STORM DRAIN PROFILES, NOTES AND DETAILS**

THE RIEMER GROUP, INC.

The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 461-2890

APPROVED PLANNING BOARD OF HOWARD COUNTY

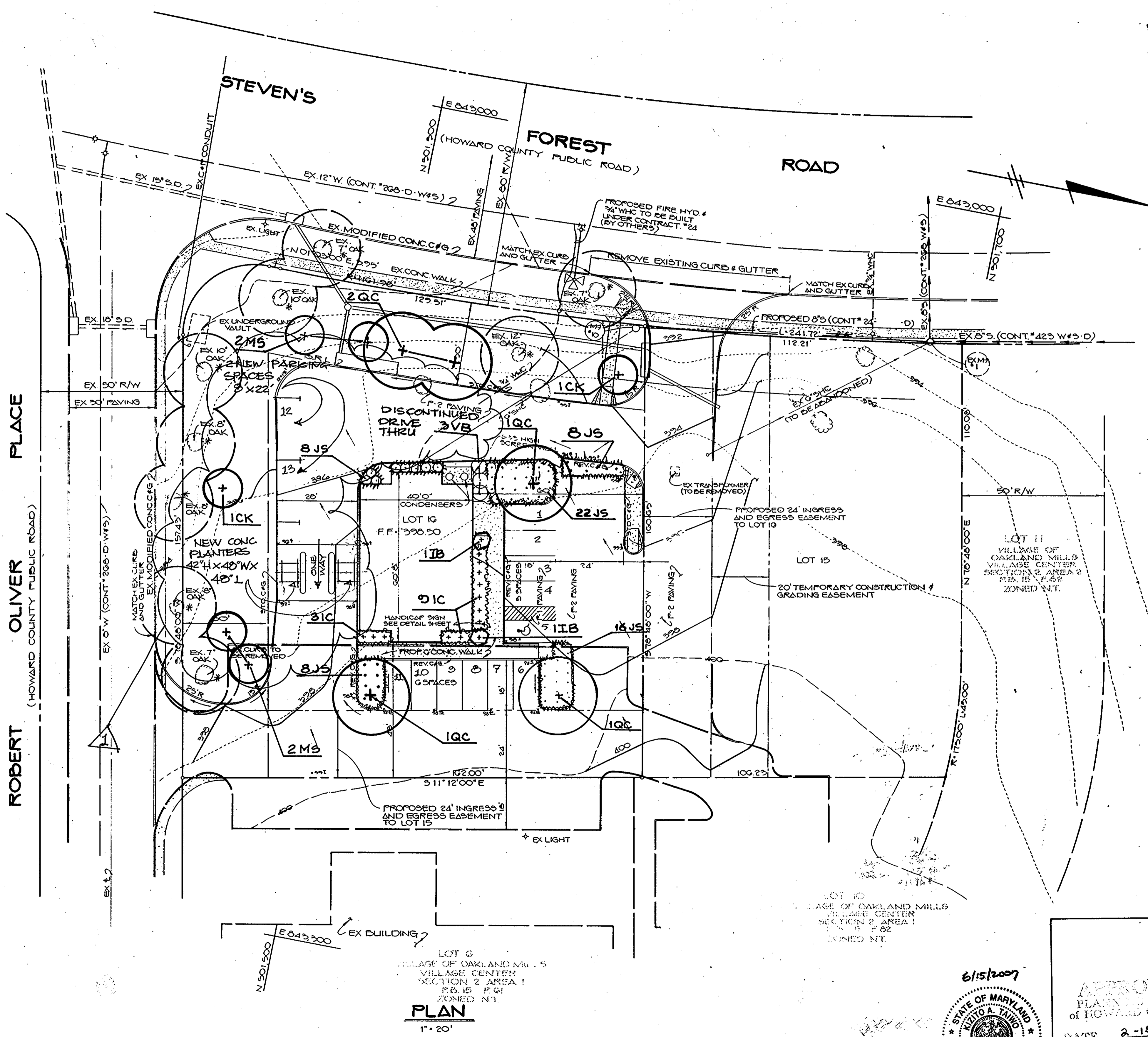
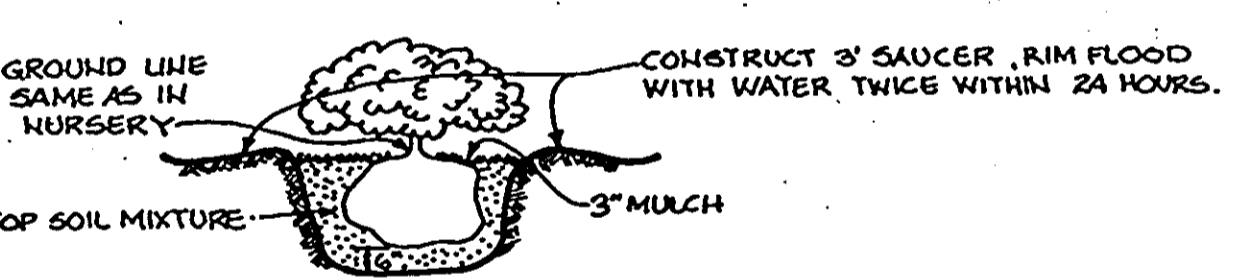
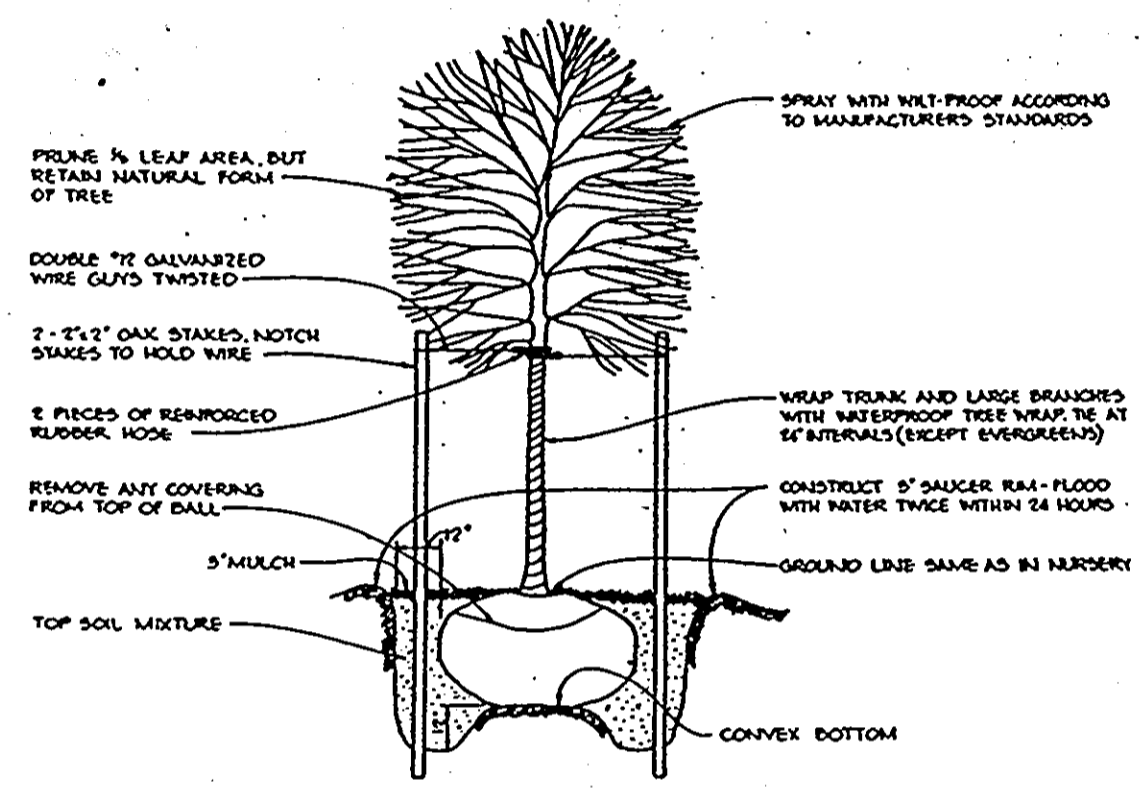
DATE: 2-15-89

DESIGNED BY: D.E.S.
DRAWN BY: R.A.W.
PROJECT NO: 86502
DATE: SEPT. 20, 1988
SCALE: AS SHOWN
DRAWING NO. 4 OF 9

ARTHUR E. MUEGGLE #6707

PLANT LIST

Qty.	Symbol	Name	Size	Remarks
2	CK	CORNUS KOUSA Kousa Dogwood	6-8' Hc.	B & B
2	IB	ILEX X BURFORDI Burford Holly	30-36" Hc.	B & B
12	IC	ILEX CORNUTA ROTUNDAFOLIA Chinese Holly	24-30" Hc.	Cont.
62	JS	JUNIPERUS SABINA 'TAMARISCIFOLIA' Tamarack Juniper	18-24" Hc.	Cont.
4	MS	MALUS SARGENTI Sargent Crabapple	5-6' Hc.	B & B
5	QC	QUERCUS COCCINEA Scarlet Oak	2 1/2" Cal.	B & B
3	VB	VIBURNUM RHYTIDOPHYLLUM Leatherleaf Viburnum	30-36" Hc.	B & B
*		EXISTING STREET TREES TO REMAIN.		



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John B. ... 4-28-89
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
William ... 5.18.89
PLANNING DIRECTOR DATE
Mark ... 5-5-89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James ... 4/25/89
DIRECTOR DATE
William ... 4-24-89
CHIEF, BUREAU OF ENGINEERING DATE

CHANGE OF USE

DATE NO REVISION

OWNER/DEVELOPER
CITIZEN'S BANK AND TRUST COMPANY
6200 BALTIMORE BOULEVARD
RIVERDALE, MARYLAND 20737

PROJECT REF: F 89-48
CITIZEN'S BANK OF MARYLAND

AREA COLUMBIA - VILLAGE OF OAKLAND MILLS
VILLAGE CENTER - LOT 10 - PLAT NO. 8507
T.M. 30 - G² ELECTION DISTRICT - F.O.C.O., MARYLAND

TITLE
LANDSCAPE PLAN

THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 461-2690

4.4.89 DATE
DESIGNED BY L.E.
DRAWN BY D.E.
PROJECT NO: 89502
DATE: SEPT. 28, 1988
SCALE: AS SHOWN
DRAWING NO. 5 OF 5



APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE: 2-15-89
L.E.S.