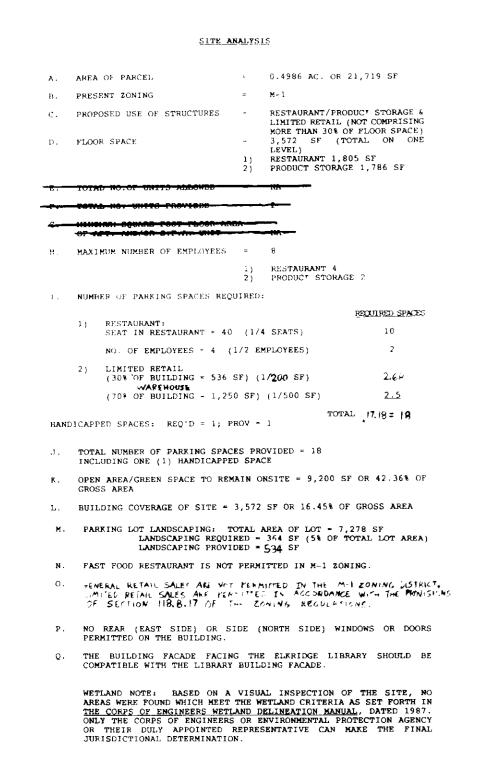
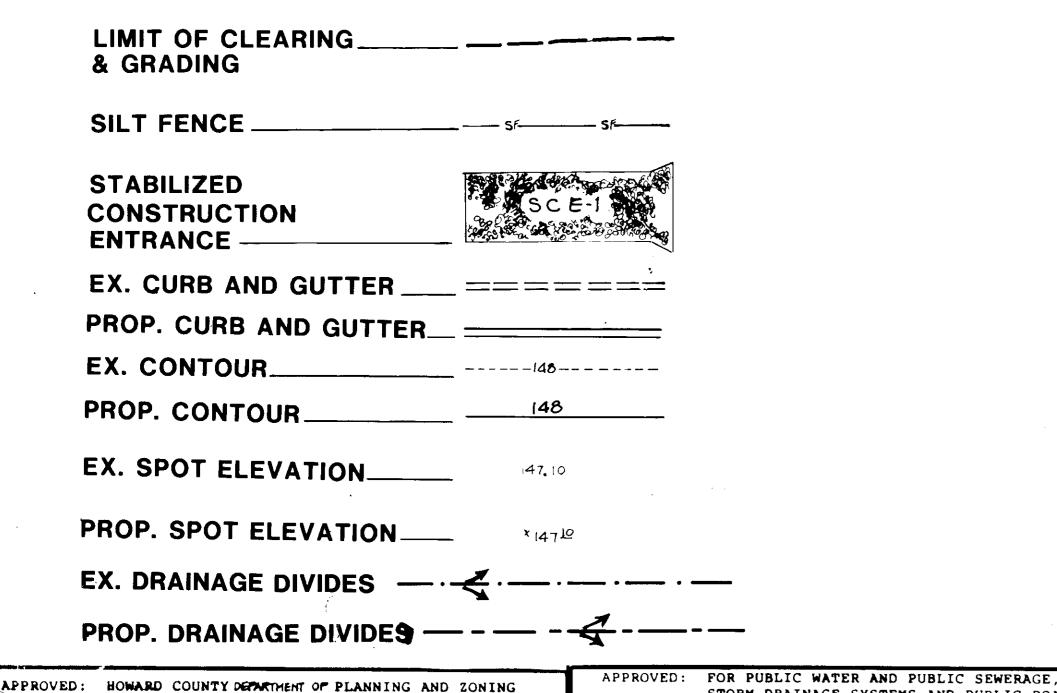
SHEET INDEX

- 1. COVER SHEET
- 2. SITE DEVELOPMENT PLAN,
- 3. DETAILS AND SPECIFICATIONS
- 4. LANDSCAPING PLAN
- 5. SEDIMENT CONTROL SOILS, AND DRAINAGE PLAN
- 6. SEDIMENT CONTROL DETAILS





COMMUNITY PLANNING AND

REVISION CHART

REVISION

LAND DEVELOPMENT

STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

CHIEF BUREAU OF ENGINFERING

HOWARD COUNTY HEALTH DEPARTMENT

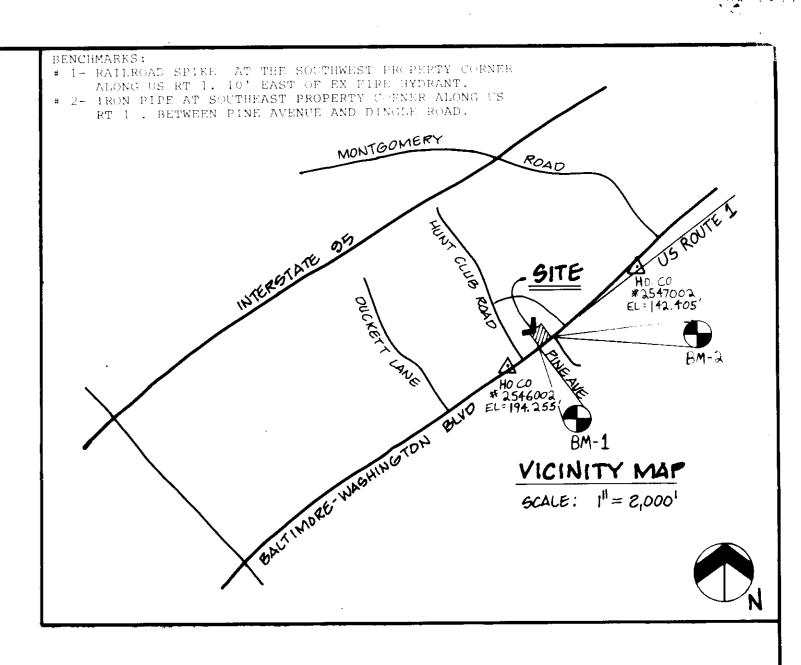
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

SITE DEVELOPMENT PLAN

PAPAVASILIS PROPERTY

1ST ELECTION DISTRICT

HOWARD COUNTY, MARYLAND TAX MAP 38, PARCEL 99



GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
- 2A. EXISTING UTILITIES ARE SHOWN FROM AVAILABLE RECORDS. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. ANY UTILLITY (WHETHER SHOWN OR NOT) DAMAGED DUE TO CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY. LOWERED ARE TO BE DONE SO BY CONTRACTOR. THE CONTRACTOR FENCES, DRIVEWAYS, ETC. DAMAGED OR REMOVED BY HIM DURING CONSTRUCTION. ALL OFF SITE DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
- B. IF DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THESE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE ALL NECESSARY AND PROPER STEPS TO PROTECT THE UTILITY AND ASSURE THE CONTINUANCE OF SERVICE.
- CONTRACTOR SHALL TEST PIT IN THE AREA OF KNOWN EXISTING UTILITIES TO VERIFY SIZE, LOCATION AND TYPE PRIOR TO PERFORMING ANY WORK. UTILITY RELOCATIONS WHETHER SHOWN ON THE PLANS OR DISCOVERED IN THE FIELD ARE THE RESPONSIBILITY
- 4. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK ON THESE DRAWINGS.

C&P TELEPHONE COMPANY HOWARD COUNTY BUREAU OF UTILITIES AT&T CABLE LOCATION DIVISION BALTIMORE GAS & ELECTRIC COMPANY 685-0123 STATE HIGHWAY ADMINISTRATION HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE 792-7272 PRIOR TO COMMENCEMENT OF WORK)

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING SILT AND DEBRIS OUT OF THE STORM DRAIN/STORM WATER MANAGEMENT SYSTEM DURING CONSTRUCTION AND SHALL CLEAN THE EXISTING SYSTEM THOROUGHLY ONCE ALL AREAS ARE STABILIZED.

6. KCI TECHNOLOGIES , INC. IS NOT RESPONSIBLE FOR THE CONTRACTOR'S UTILIZATION OF MEN, MATERIALS OR SAFETY MEASURES IN PERFORMANCE OF ANY WORK FOR THIS CONSTRUCTION. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR PERFORMING THE WORK CORRECTLY AND IN CONFORMANCE WITH ALL CODE

- SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR
- 8. THE SUBGRADE UNDER THE PROPOSED BUILDING AND/OR PAVEMENT TO
- ALL STAKING, RESTAKING AND CUT SHEETS TO BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- 10. ALL DISTURBED LAND ON OR OFF SITE WHICH 1S NOT BUILT UPON OR SURFACED SHALL BE ADEQUATELY STABILIZED, SEEDED AND MULCHED IN ACCORDANCE WITH THE HOWARD SOIL CONSERVATION DISTRICT
- REMOVAL OF ANY CURB OR CURB AND GUTTER TO BE AT THE NEAREST
- 12. ADJUST TOP OF CURB GRADES AS NECESSARY TO PROVIDE SMOOTH TRANSITION TO EXISTING.
- 13. SAW CUT EXISTING PAVEMENT AS NEEDED TO INSTALL NEW CURB AND GUTTER AND/OR UTILITIES.
- 14. STRIP AND RESURFACE EXISTING PAVING AS NEEDED TO PROVIDE SMOOTH TRANSITION TO CURB AND GUTTER.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
- 16. ALL EXISTING SITE FEATURES NOT BEING RETAINED SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED LOCATION.
- 17. WATER SERVICE CONNECTIONS TO BE INSTALLED WITH A MINIMUM OF
- WATER AND SEWER SERVICE CONNECTIONS TO BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
- 19. BOUNDARY AND TOPOGRAPHIC SURVEY WAS CONDUCTED BY KCT TECHNOLOGIES , INC., IN JULY 1990.
- 20. SITE LIGHTING TO BE DIRE' ED INWARD AND DOWNWARD, AWAY FROM
- ALL RESIDENTIAL USES. 21. PLEASE REFER TO PREVIOUS DEPARTMENT OF PLANNING AND
- ZONING FILE NUMBERS SDP-86-186, SDP-91-82. 22. THE HOWARD COUNTY DPW HAS DESIGNED THE POND FOR THE ELKRIDGE LIBRARY SITE, HOWARD COUNTY CAPITAL PROJECT NO. L-0007 TO COMPENSATE FOR THE QUANITITY OF RUNOFF FROM THIS SITE. WATER

QUALITY WILL BE HANDLED VIA AN ONSITE OIL /GRIT SEPARATOR.

<u>ADDRESS</u> CHART

OWNER NICHOLAOS A. PAPAVASILIS SUBDIVISION NAME (OWNER'S NAME)! SECT/AREA PARCEL NO 6636 PHEASANT DRIVE NICHOLAGG A. PAPAVAGILIG ELKRIDGE, MARYLAND 21227 PLATING OR L/F BLOCK NO. ZONE TAX/ZONE MAPIELEC DIST CENSUS TR (410) 796-8643 1064-689 7 M-1 1st 6011 WATER CODE 21150532 KCI TECHNOLOGIES, INC. **ENGINEERS - PLANNERS - SURVEYORS** 8306 PATUXENT RANGE ROAD JESSUP, MARYLAND 20794-8609 PHONE: (301) 953-1821 (WASH.) (410) 792-8086 (BALT.) PAPAVASILIS PROPERTY VB COVER SHEET Drwg. No. 1 of

ENGINEERS CERTIFICATE "I CERTIFY THAT THIS PLAN FOR EROSION & 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"

DEVELOPERS SIGNATURE

CERTIFICATION BY THE DEVELOPER

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE

INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING

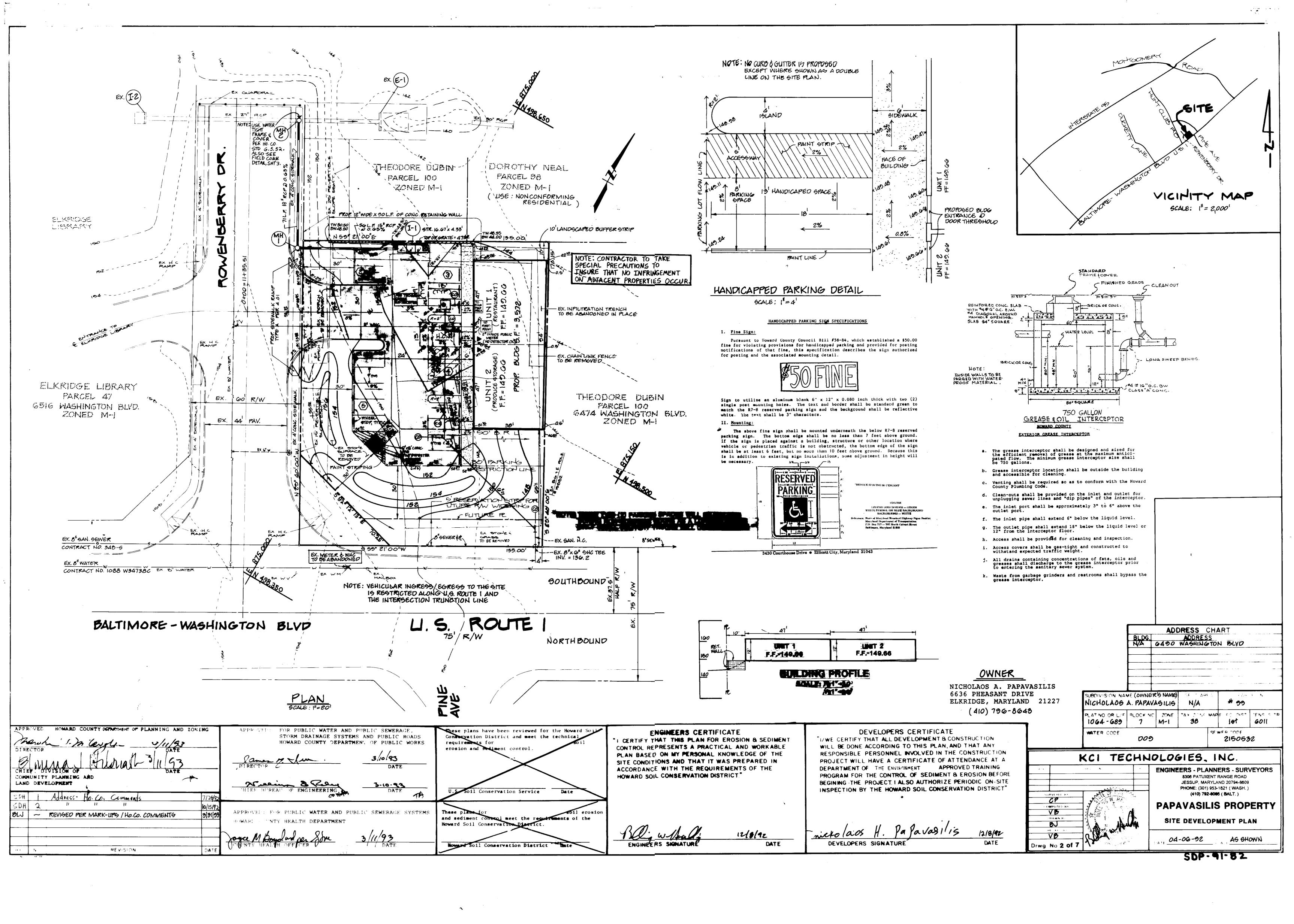
PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING

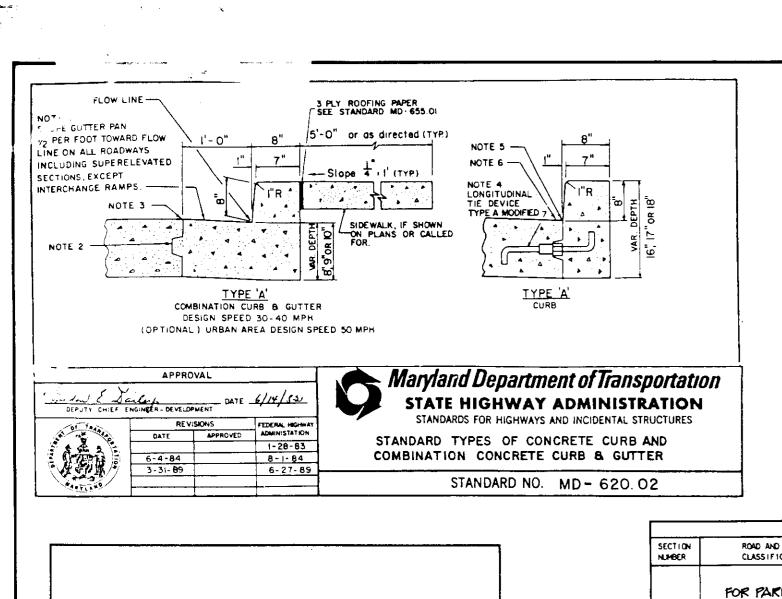
THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE

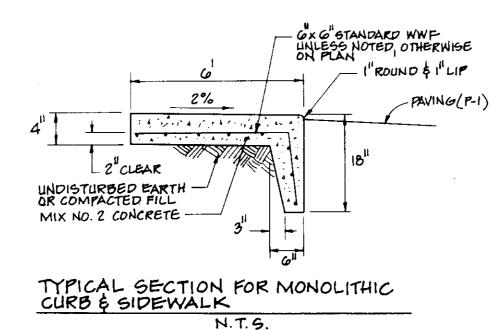
ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL

HOWARD SOIL CONSERVATION DISTRICT."

12/8/92 DATE







GRANULAR BASE ALTERNATES

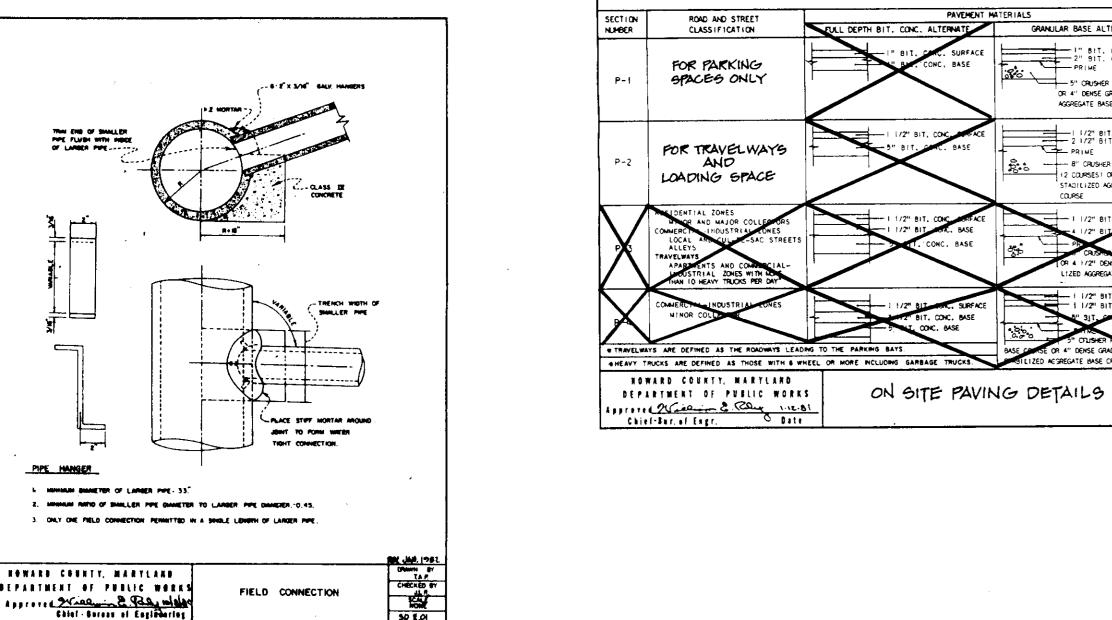
5" CRUSHER RUN BASE COURSE

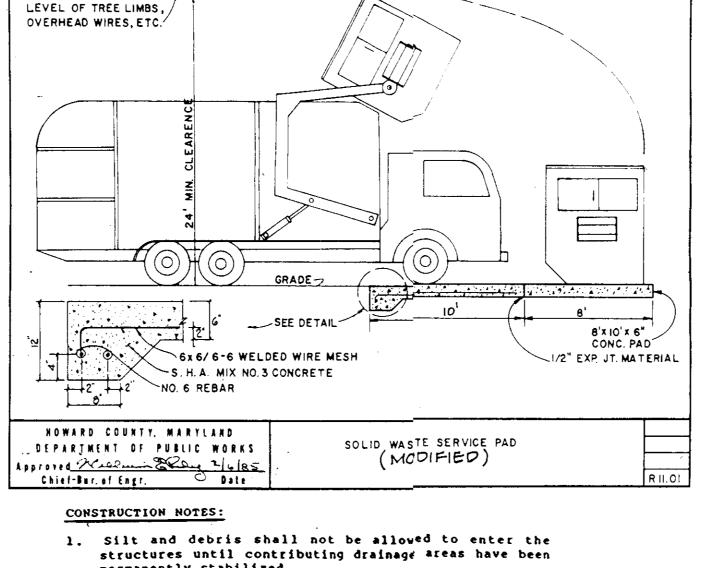
I 1/2" BIT. CONC. SURFACE 2 1/2" BIT. CONC. BASE

STADILIZED AGGREGATE BASE

LIZED AGGREGATE BASE CRSE.

OR 4" DENSE GRADED STABILIZED

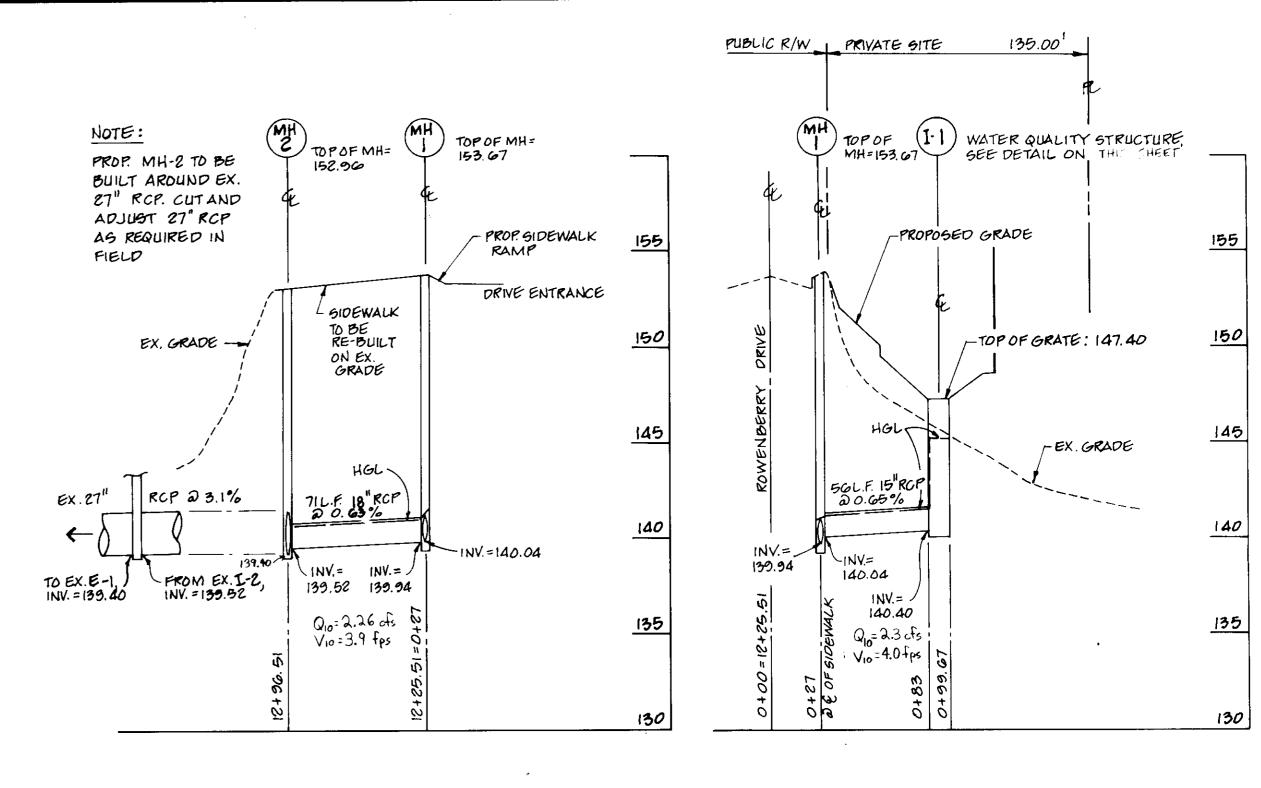




- permanently stabilized.
- 2. All openings to structures shall be protected with the appropriate sediment control measures during construc-

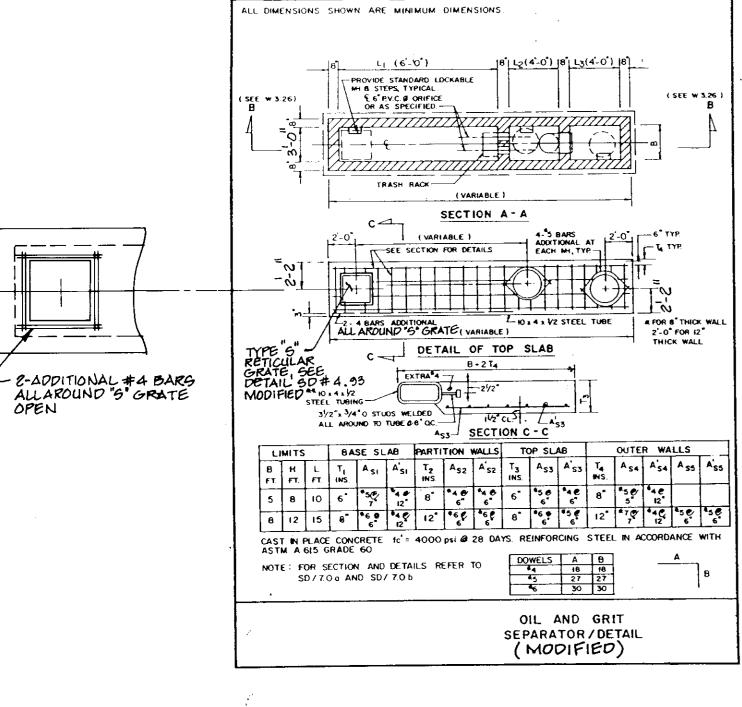
MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)

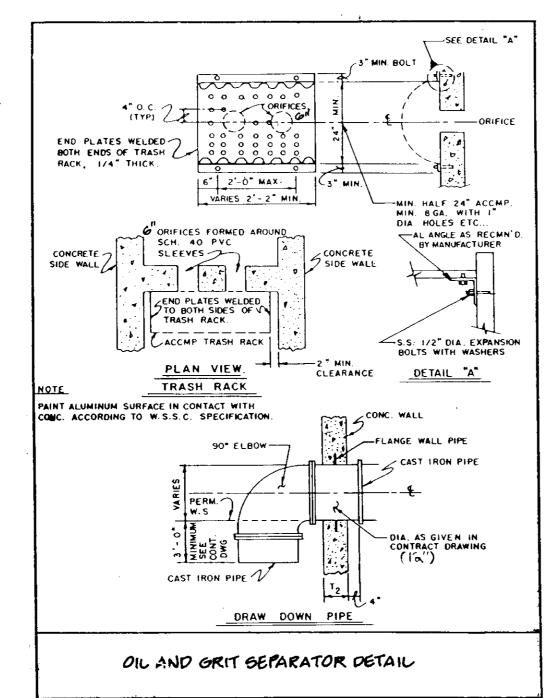
- 1. Water Quality Structures will require periodical cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate. Owners of water quality structures will be notified by the County of the frequency of maintenance.
- 2. Maintenance 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.
- 3. The disposal of the liquid and solid patter should be as follows:
 - A. 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.
- B. The solid material shall be landfilled in an approved sanitary landfill.
- 4. The inlet pipes, trash racks, grates, and structural parts shall be repaired as needed.

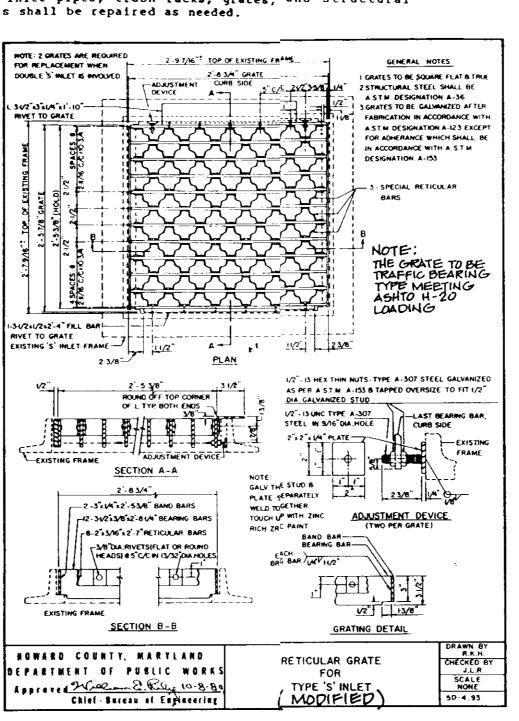


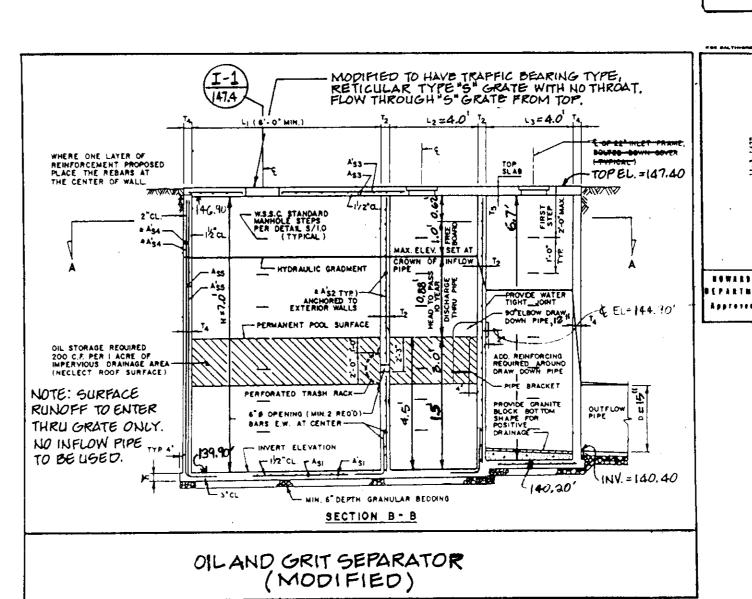
PROFILES OF PROPOSED STORM DRAIN SCALE: HORIZ. 1 = 50 VERT. In= 5'

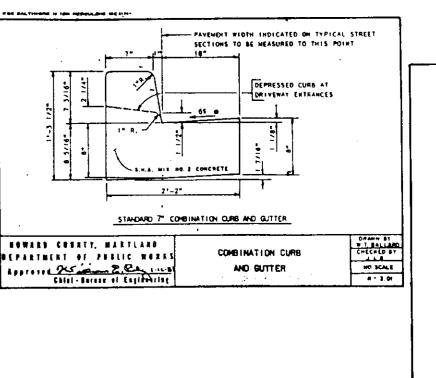
		DRAINAGE	STRUCTURE SCH	EDULE	
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	Water Quality Structure	147.40	140.40	147.40	Water Quality Structure See details sht 3 of 6
MH-1	Std Precast Manhole	140.04	139.94	154.20	See Ho Co Std Detail G 5.11
MH-2	Std Precast Manhole	139.52	139.52	153.00	See Ho Co Std Detail G 5.11











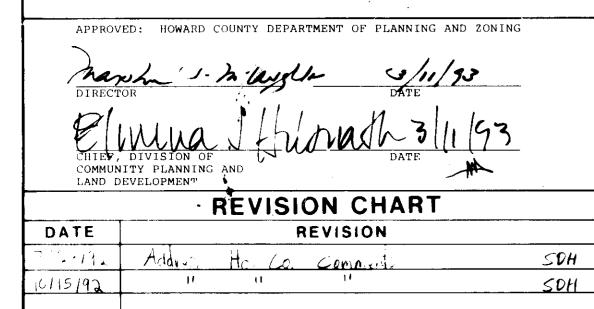
ADDRESS CHART ADDRESS 6490 WASHINGTON BLVD

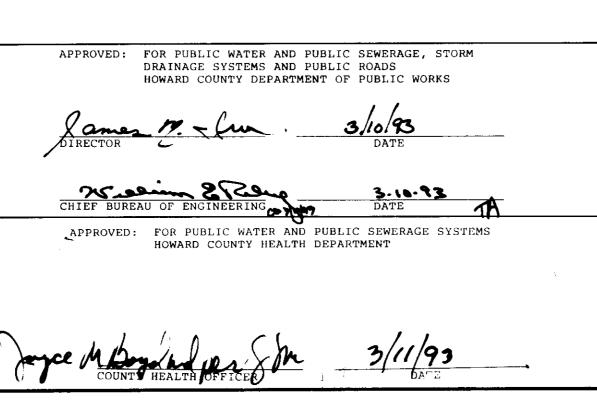
OWNER

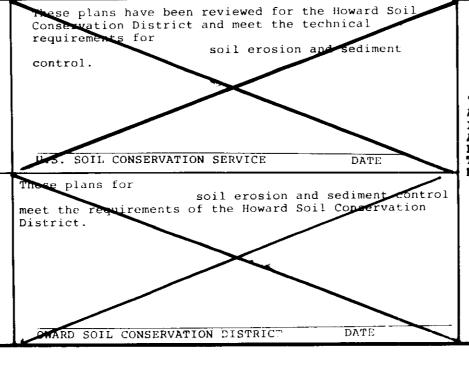
NICHOLAOS A. PAPAVASILIS 6636 PHEASANT DRIVE ELKRIDGE, MARYLAND 21227 (410) 796-8643

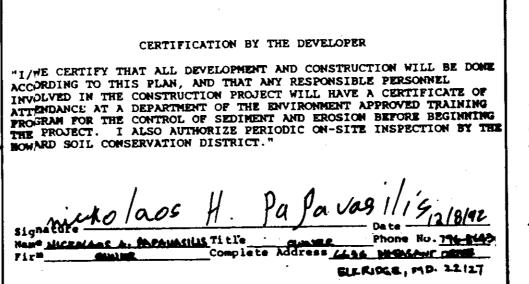
HOWARD COUNTY , MARYLAND PARCEL NO SUBDIVISION NAME (OWNER'S NAME) SECT/AREA 11CHOLAOS A PAPAVASILIS PLAT NO OR L/F BLOCK NO ZONE TAX/ZONE MAPELEC DIST CENSUS TR 21 1064 - 689 7 M-1 38 SEWER CODE WATER CODE 2150932

04-06-92









ENGINEER'S CERTIFICATE "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."

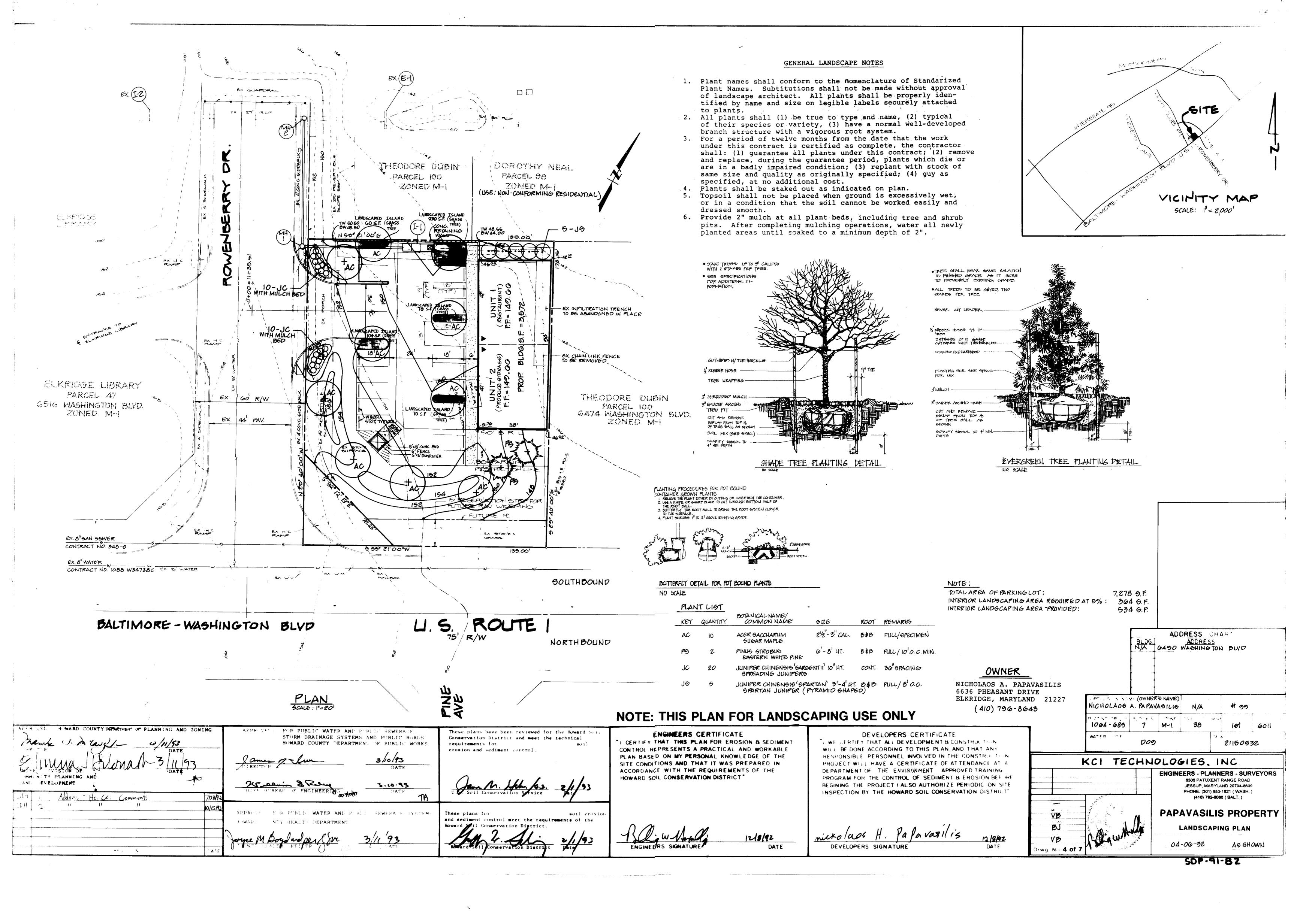
Singature of Engineer BOLLING W. HAXBLL, JR. registered professional engineer no. 10242 COMPLITED BY V.13. GRAWN H

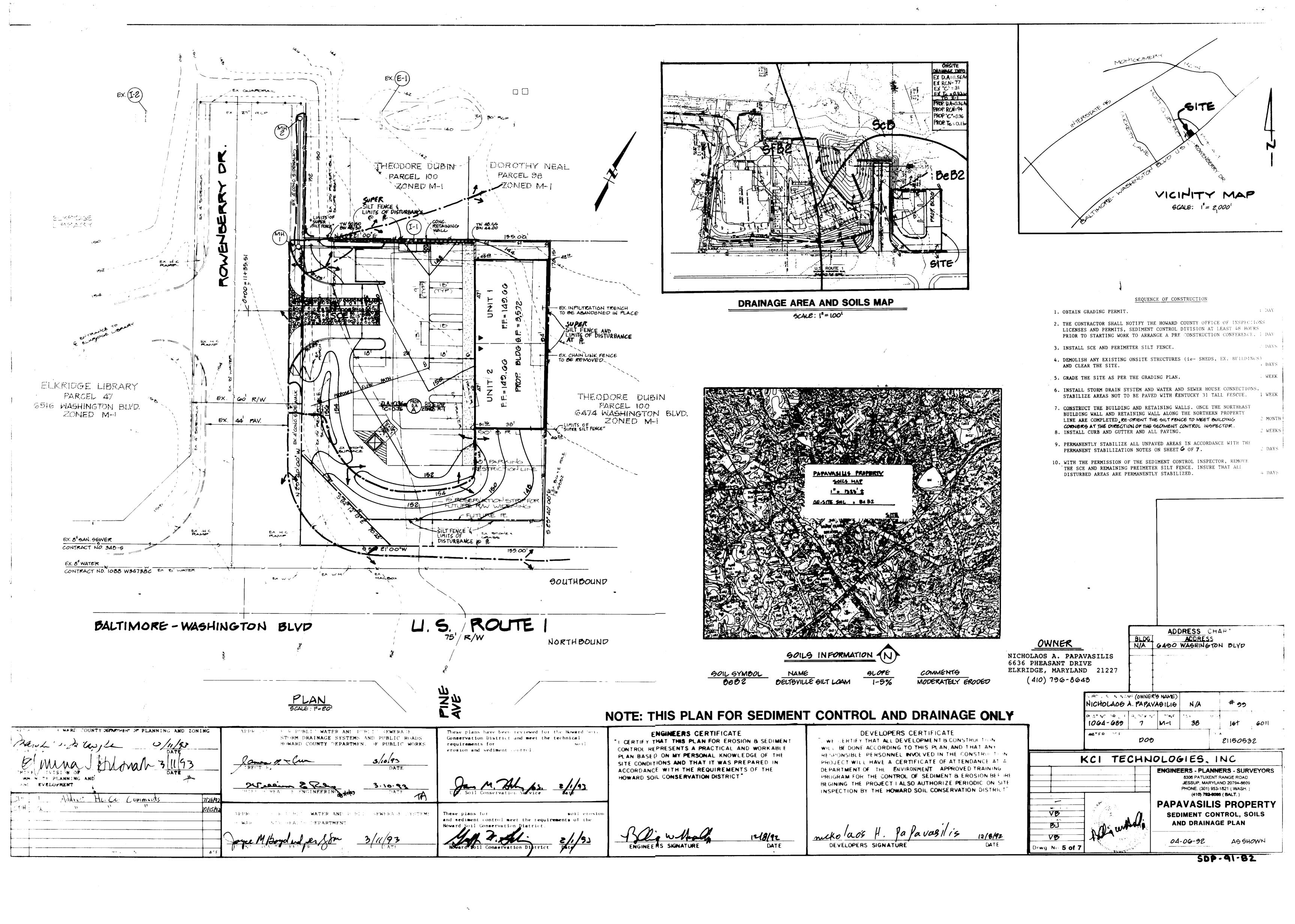
KCI TECHNOLOGIES, INC. **ENGINEERS - PLANNERS - SURVEYORS** 8306 PATUXENT RANGE ROAD JESSUP, MARYLAND 20794-8609 PHONE: (301) 953-1821 (WASH.) (410) 792-8066 (BALT.)

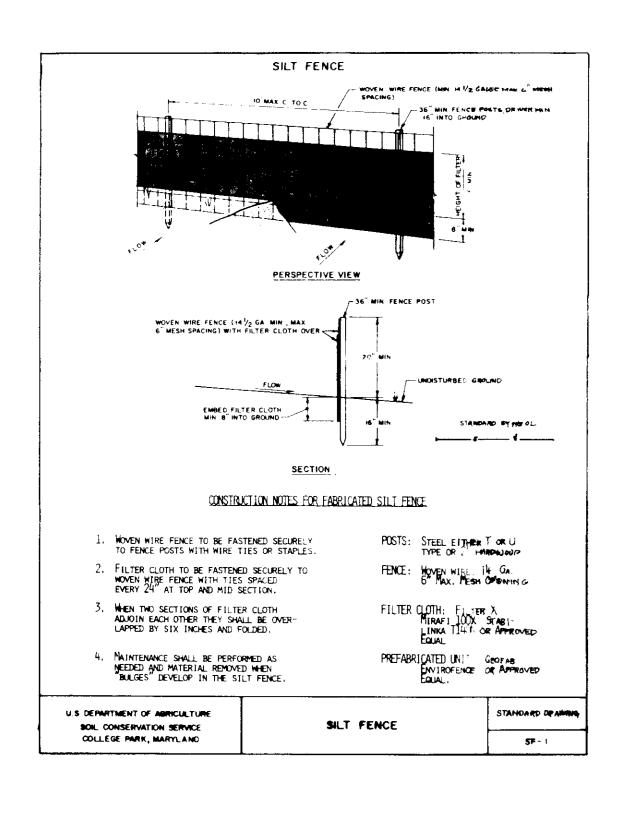
PAPAVASILIS PROPERTY **DETAILS, SPECIFICATIONS AND PROFILES**

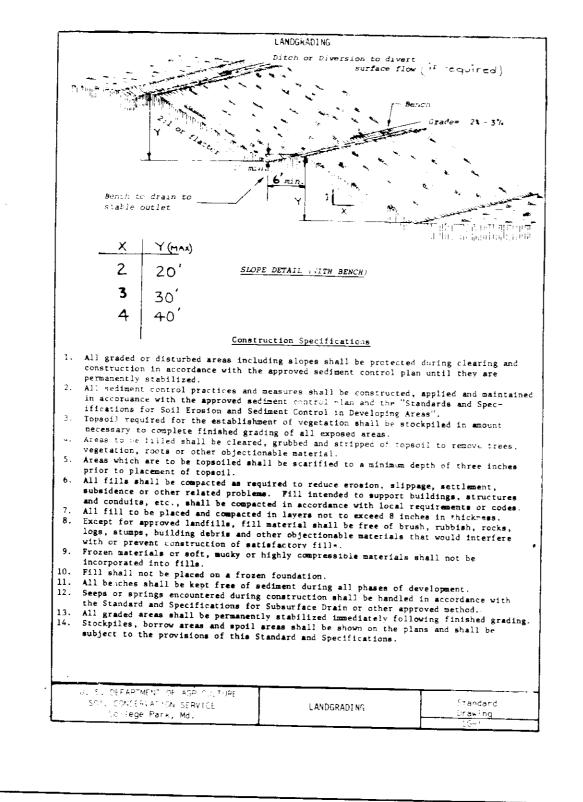
50P-91-82

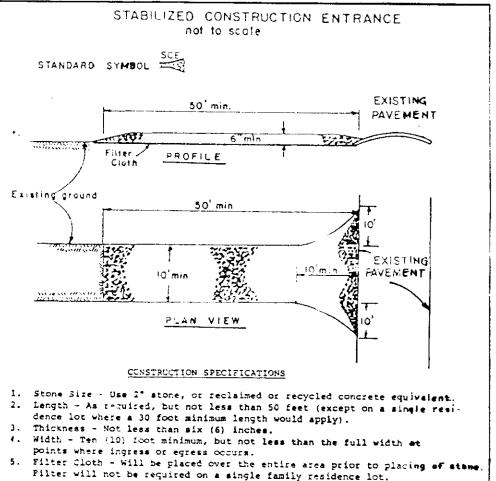
SEALE NO SCALE











Surface Water - All surface water flowing or diverted toward construction

Maintenance - The entrance shall be maintained in a condition which will

prevent tracking or flowing of sediment onto public rights-of-way. This may

sediment spilled, dropped, washed or tracked onto public rights-of-may mass

Washing - Wheels shall be cleaned to remove sediment prior to entrance onto

public rights-of-way. When washing is required, it shall be done on an area

stabilized with stone and which drains into an approved sediment trapping . Periodic inspection and needed maintenance shall be provided after each rain.

U. S. DEPARTMENT OF AGRICULTURE | STABILIZED CONSTRUCTION | Standard

require periodic top dressing with additional stone as conditions demand

and repair and/or cleanout of any measures used to trap sediment. All

entrances shall be piped across the entrance.

be removed immediately

SOIL CONSERVATION SERVICE College Park, Md.

thre July 31, seed with 60 lbs Kentucky 31 Tall Feacue per acre and 2 lbs per acre (.05 lbs/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 apring. Option (2) Use sod. Option (3) Seed with 60 lbs/ acre Kentucky 31 Tall Feacue and mulch with 2 tons/acre well anchored straw Mulching - Apply 15 to 2 tons per scre (70 to 90 1 /1000 eq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) Matinenance - Inspect all seeded areas and make needed repairs, replacements and reseedings. TEMPORARY SEEDING NOTES Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously logistical

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) Seeding: For periods Harch 1 thru April 30 and from August 15 thru November 15, seed with 2 bushel per scre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, 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.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other

Soil Amendments: In lieu of soil test recommendations, use one or the following schedules:

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft)

and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding.

2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with

lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1

Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs

a permanent long-lived vegetative cover is needed.

acceptable means before seeding, if not previously logsened

Harrow or disc into upper three inches of soil.

per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).

Mulching: Apply 14 to 2 tons per acre (70 to 90 lbs/1000 aq ft) of unrotted small grain straw immediately after reeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft 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.

VEGETATIVE STABILIZATION WITH SOD

STANDARD AND SPECIFICATIONS

FOR

Definition Stabilizing sediment producing areas by establishing long-term stands of

grass with sod.

To stabilize the soil; reduce damage from sediment and runoff to downstream areas; enhance natural beauty.

Conditions Where Practice Applies

Purpose

On exposed soils where a quick vegetative cover is desired; on sites which can be maintained with ground equipment (2:1 or fratter slopes).

SPECIFICATIONS

1. Class : turfgrass sod shall be Maryland or Virginia State Certified, or Maryland or Virginia State approved sod.

2. Sod shall be machine cut at a uniform soil tylckness of 3/4 inch, plus or minus 1/4 inch, at the time of cutting. Reasurement for thickness shall exclude top growth and thatch.

3. Standard size sections of sod shall be strong enough to support their own weight and retain neir size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.

4. Individual pieces of sod shall se cut to the suppliers width and length. Mayimum allowable deviation from standard widths and lengths shall be 5 percent. Broken pads and torn or sineven ends will not be acceptable

5. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.

6. Sod shall be harvested, delivered and installed within a period of 36 hours. Sod not transplanted within this period shall be inspected and approved prior to its installation.

Site Preparation

Fertilizer and lime application rates shall be determined by soil tests. Under unusual circumstances where there is insufficient time for a complete soil test, fertilizer and lime materials may be applied in amounts shown under B, below.

A. Prior to sodding, the surface shall be cleared of all trash. debris, and of all roots, brush, wire, grade stakes and other objects that would interfere with planting, fertilizing or maintenance operations.

Where the soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 2 tons/acre or 100 pounds per 1,000 square feet. In all soils-1,000 pounds per acre or 25 pounds per 1,000 square feet of 10-10-10 fertilizer or equivalent shall be uniformly applied and mixed into the top 3 inches of soil with the required lime.

C. All areas receiving sod shall be uniformily fine graded. Hard-packed earth shall be scarefied prior to placement of sod.

II. Sod Installation

A. During periods of excessively high temperature the soil shall be lightly irrigated immediately prior to laying the sod.

B. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Insure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drving of the roots.

C. On sloping areas where erosion may be a problem, sod shall be laid with the long edges parallel to the contour and with staggered oints. Secure the sod by tamping and pegging or other approved

As sodding is completed in any one section, the entire area shall be rolled or tamped to insure solid contact of roots with the soil surface. Sod shall be watered immediately after rolling or tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. The operations of laying, tamping and irrigating for may piece of sod shall b completed within eight hours.

III. Sod Maintenance

In the absence of adequate rainfal, watering shall be performed daily or as often as necessary during the first week and in sufficient quantities to maintain moist soil to a denth of 4 inches. Watering should be done during the heat of the day to prevent wilting.

After the first week, sod shall be watered as necessary to maintain adequate moisture and insure establishment.

C. First mowing should not be attempted until sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings. Grass height shall be maintained between 2 and 3 inches unless otherwise specified.

Maintenance of established sod should follow specifications outlined in table 54-1.

SEDIMENT CONTROL NOTES

ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT TIME OF CONSTRUCTION, UPON APPROVAL OF A

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE PUBLISHED "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND

ALL SEDIMENT AND EROSION CONTROL FACILITIES ARE TO BE CONSTRUCTED PRIOR TO GRADING AND THEY SHALL BE IN AN OPERATIONAL CONDITION BEFORE GRADING CONSTRUCTION BEGINS.

PERIODIC INSPECTION AND MAINTENANCE ARE TO BE PROVIDED TO INSURE EFFICIENCY OF ALL FACILITIES CONTRACTOR INSTALLING THE ABOVE SHALL OBTAIN AND FOLLOW THE STANDARD AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL

ALL AREAS OF INGRESS-EGRESS ARE TO BE PROTECTED FROM TRACKING MUD ONTO PUBLIC RIGHTS-OF-WAY

ALL SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL AT THE GRADING AND CONSTRUCTION MAY BEGIN UPON COMPLETION AND ACCEPTANCE OF ALL ITEMS SHOWN, REQUIRED OR SPECIFIED HEREON.

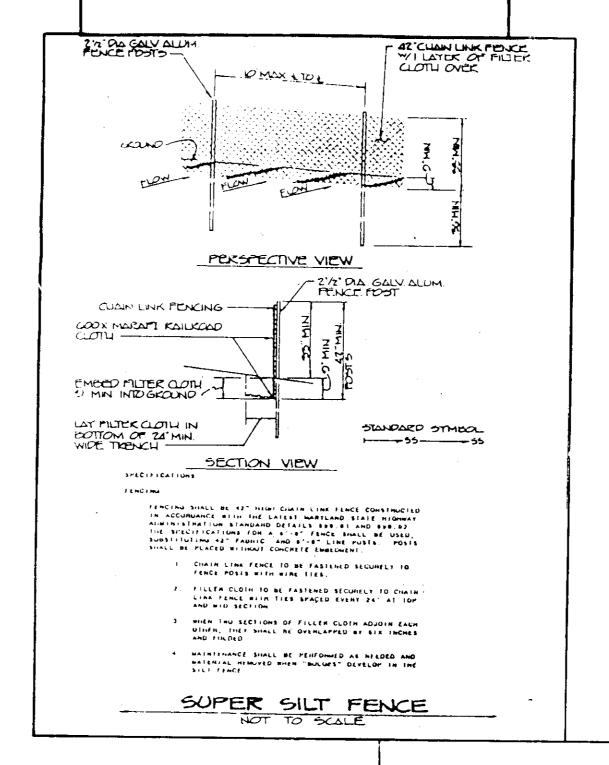
AREAS DISTURBED BY ONSITE GPADING THAT ARE NOT TO BE CONSTRUCTED ON WITHIN 14 DAYS ARE TO BE STABILIZED WITH A SEMI-PERMANENT TYPE SEEDING AND MULCHING. SEE PAGES 50.01 THROUGH 50.05 OF REFERENCED STANDARDS AND SPECS.

ALL SLOPES STEEPER THAN 3:: SHALL BE STABILIZED IMMEDIATELY WITH SOD. SEE PAGES 54.01 THROUGH 54.04 REFERENCED STANDARDS AND SPECE.

ALL DISTURBED AREAS SHALL BE FINALLY STABILIZED WITH PERMANENT SEEDINGS UPON COMPLETION OF FINE GRADING. SEE PAGES 51.01 THROUGH 51.08 OF REFERENCED STANDARDS AND SPECS. THE THROATS OF ALL STORM DRAINAGE INLETS SHALL BE PROTECTED AND KEPT FREE OF ANY DEPOSITS OF SEDIMENT, I.E., THROUGH USE OF SANDBAGS, GRAVEL OR OTHER APPLICABLE METHOD UNTIL THE UPHILL AREAS HAVE BEEN STABILIZED AND THE STREETS HAVE BEEN

THE CONTRACTOR SHALL NOT INSTALL CONCRETE CURB AND GUTTER OR SIDEWALK IN THE AREAS INDICATED UNTIL THE UPHILL AREAS HAVE BEEN STABILIZED.

SEDIMENT CONTROL DEVICES (DITCHES - DIKES - TRAPS, ETC.), RE TO REMAIN IN FLACE UNTIL CONTRIBUTING WATER-SHED HAS BEEN STABILIZED. MAINTENANCE TO SEDIMENT CONTROL DEVICES DURING UNDER GOING GRADING, CONSTRUCTION AND DEVELOPMENT SHOULD BE DONE AS NECESSARY. REMOVAL OF THESE DEVICES SHALL BE WITH THE APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS. AFTER REMOVAL OF SELLMENT PRACTICES, SHAPE AND STAPILIZE THE AREAS



SEDIMENT CONTROL NOTES

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits pror 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 EROSION AND SEDIMENT 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 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. Chaper 12, of the ROWARD 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. 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

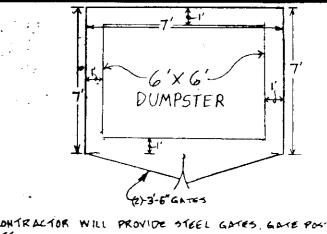
7) Site Analysis: 0.4986 Acres Total Area of Site 0.4980 Acres Area Disturbed

Offsite waste/borrow area location - BORROW LOCATION UNDETERMINED 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.

On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but 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.

NOTE: FOR SEQUENCE OF CONSTRUCTIONS, SEE SHEET 5 OF 7



1. GENERAL CONTRACTOR WILL PROVIDE STEEL GATES, GATE POSTS, POST CLOSS, 1. SUB-CONTRACTOR WILL FURNISH ALL OTHER MATERIALS & LABOR TO INSTALL ENCLOSURES.

CONSTRUTION TO BE CORNERS - 4 x4 TREATED IN CONCRETE STRINGERS - 2 x 4 TREMED BOLRO ON BOARD - 1 . G TREATED (6' MIGH) NAILS & FASTENERS - GALVANTZED 28 L FT. INCLUDES GATES

FENCE DETAIL TO BE USED TO SCREEN DUMPSTER N.T.S.

1 T T T T T T T T T T T T T T T T T T T	
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WATER CODE	09	•		-	NER CO		
PLAT NO OR L/F 1064 - 689	BLOCK NO	ZONE M_1	TAX/ZONE 38	MAP	FL EC	D15T	CENSUS T
SUBDIVISION NAM	-	·	SECT/AR N/A	EΑ		99 99	CEL NO
	HOWARD C	OUNTY,	MARYLA	ND			

K	Cl	TECHNOLOGIES	B, INC

VB

Drwg. No. 6 of

HAWNH

ENGINEERS - PLANNERS - SURVEYORS 8306 PATUXENT RANGE ROAD JESSUP, MARYLAND 20794-8609 PHONE: (301) 953-1821 (WASH.) (410) 792-8086 (BALT.) OMPULE BY NB

PAPAVASILIS PROPERTY SEDIMENT CONTROL DETAILS

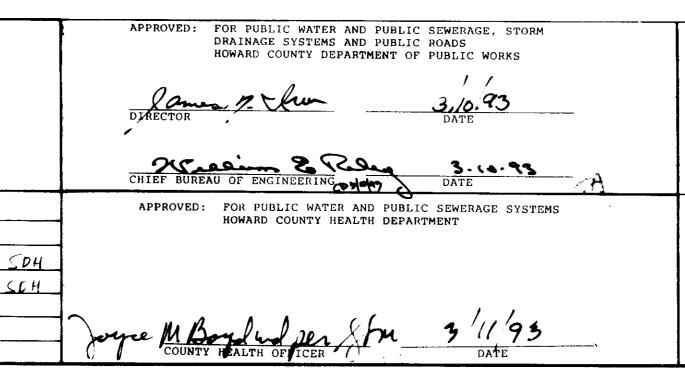
04-06-92 STALL AS SHOWN

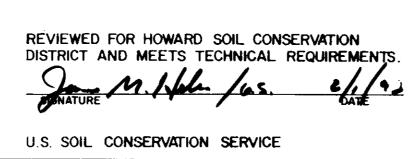
REGISTERED PROFESSIONAL ENGINEER NO. 10242

OWNER

NICHOLAOS A. PAPAVASILIS 6636 PHEASANT DRIVE ELKRIDGE, MARYLAND 21227 (410) 796-8643

APPROVE	D: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
DIRECTO	wh 1. 2 (4) [3/11/83
7	Muia Hunal 3/1/93
COMMUNIC	
	REVISION CHART
ATE [REVISION





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

CERTIFICATION BY THE DEVELOPER 11/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 INSPECTION BY THE HOWARD GOIL CONSERVATION DISTRICT." Name NICKOLAOS A. MANASILIS Title

Title Phone No. 176-FLE Complete Address (436 PHONE PRIVE Phone No. 196-844 ELLRIDGE, MD. 22127

ENGINEER'S CERTIFICATE

"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."

Singature of Engineer BOLLING W. HAXELL, JR.

