

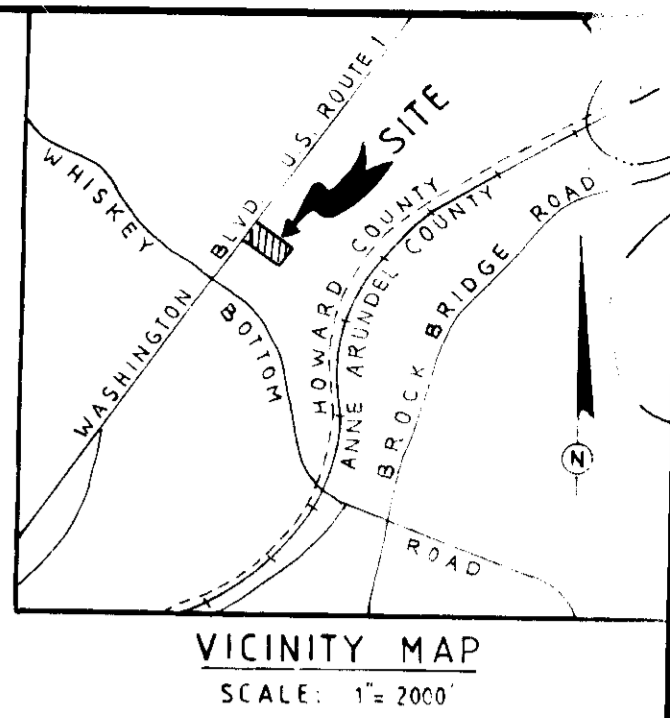
SHEET INDEX	
NO.	DESCRIPTION
1	CAR WASH VEHICLE STACKING PLAN
2	SITE DEVELOPMENT PLAN & LANDSCAPING
3	SEDIMENT CONTROL PLAN & DRAINAGE AREA
4	DETAILS

SITE DEVELOPMENT PLAN

MAGIC WAND CAR WASH

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



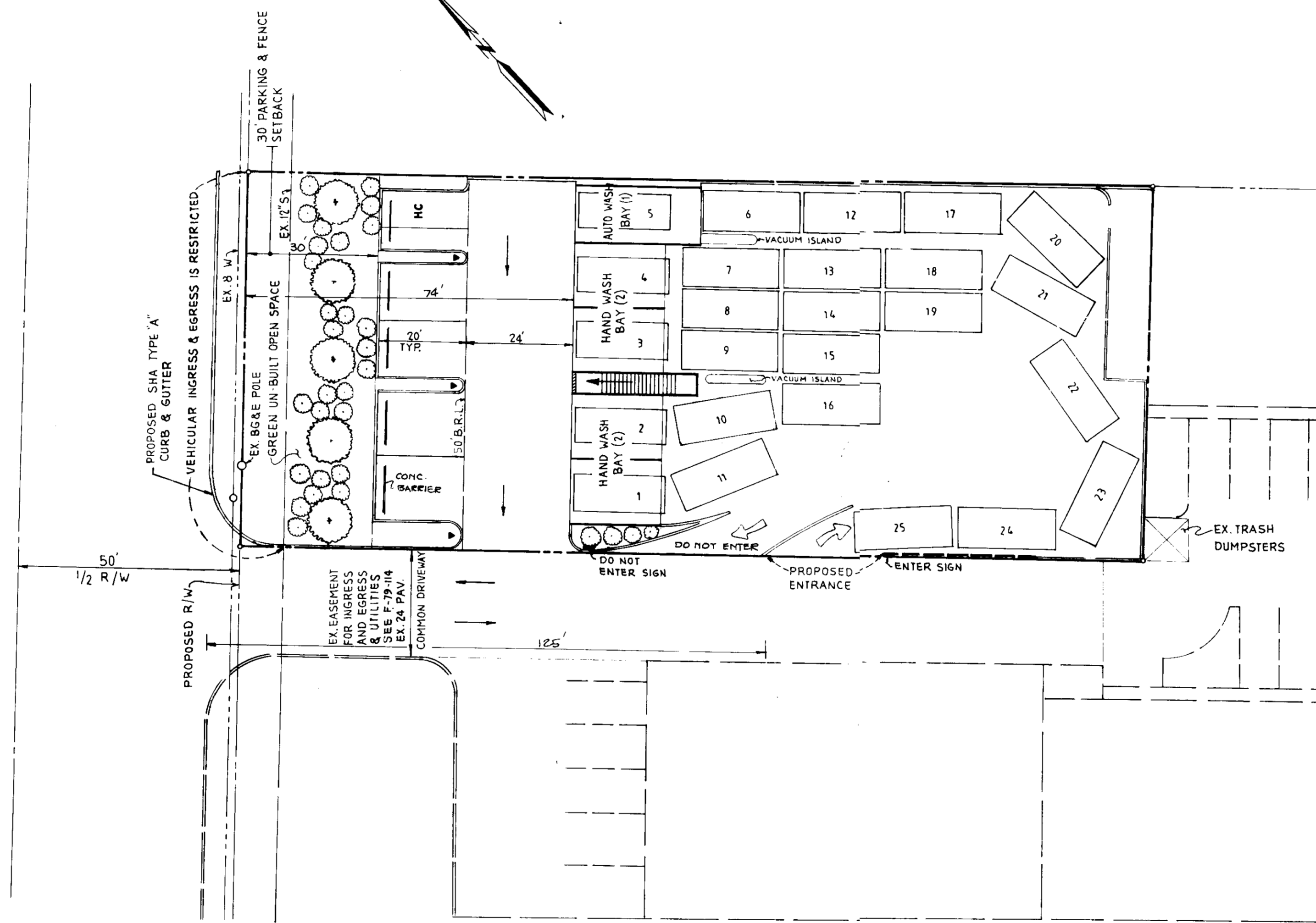
SITE TABULATION

GROSS AREA OF PARCEL	17,425 S.F. (0.40 AC.)
PRESENT ZONING	M-2
PROPOSED BUILDING COVERAGE (9.7%)	1,694 S.F. (0.04 AC.)
PROPOSED BUILDING USE	CAR WASH FACILITY
PARKING REQUIRED	25
25 @ 1 SPACE / EMPLOYEE	
PARKING PROVIDED	1
(INCLUDING 1 HANDICAP)	
HANDICAP PARKING REQUIRED	5
HANDICAP PARKING PROVIDED	1
AREA OF PARKING	(20.2%) 3,526 S.F. (0.08 AC.)
LANDSCAPE ISLAND REQUIRED (5%)	1,165 S.F. (0.04 AC.)
LANDSCAPE ISLAND PROVIDED (9.9%)	348 S.F. (0.008 AC.)
TOTAL PAVED AREA	(70.7%) 12,311 S.F. (0.28 AC.)
GREEN UN-BUILT OPEN SPACE	(19.6%) 3,420 S.F. (0.08 AC.)
STACKING SPACE REQUIRED	40
STACKING SPACE PROVIDED	25 (A WAIVER FOR THE REQUIRES STACKING SPACES HAS BEEN APPROVED BY D.P.W.)
INCLUDING 5 CARS IN BAYS	

NO. OF EMPLOYEES

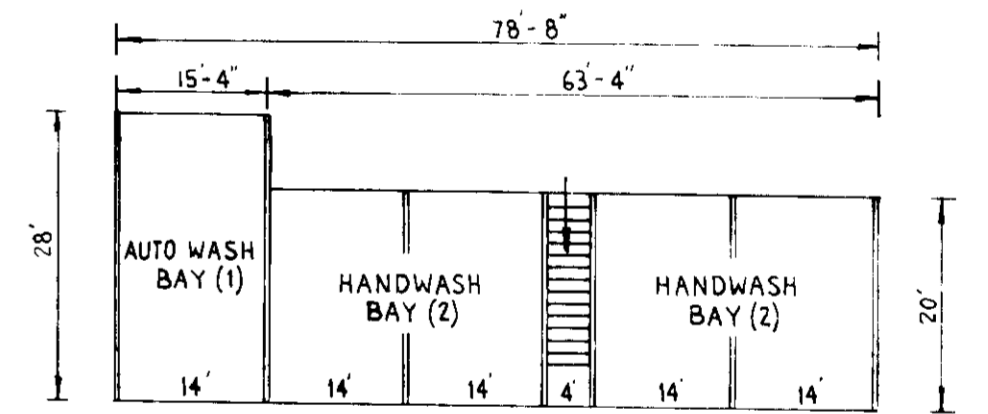
1

WASHINGTON BOULEVARD U.S. ROUTE -1



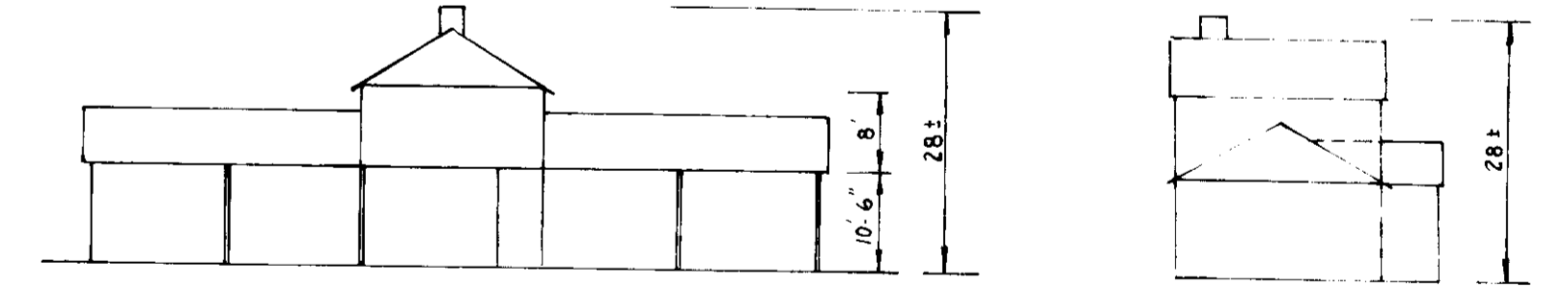
PLAN

SCALE: 1" = 20'



PLAN

SCALE: 1" = 20'



WEST ELEVATION

SCALE: 1" = 20'

SOUTH ELEVATION

SCALE: 1" = 20'

SEDGHI & ASSOCIATES, LTD.
ENGINEERS - SITE PLANNERS - SURVEYORS
3217 CORPORATE COURT
ELLICOTT CITY, MARYLAND, 21043
(301) 750-9003

ADDRESS CHART	
PARCEL NO.	STREET ADDRESS
493 PAR. A	9747 BALTIMORE WASHINGTON BOULEVARD

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
[Signature] COUNTY HEALTH OFFICER 4/14/91
DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] DIRECTOR 4/14/91
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] DIRECTOR 4/14/91
DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
[Signature] U.S. SOIL CONSERVATION SERVICE 10/20/91
DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] HOWARD COUNTY SOIL CONSERVATION DISTRICT 10/20/91
DATE

NO.	DESCRIPTION	DATE	BY

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.
[Signature]
SIGNATURE OF ENGINEER
DATE 10-9-91

DEVELOPER'S CERTIFICATE
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.
[Signature]
SIGNATURE OF DEVELOPER
DATE 10-9-91

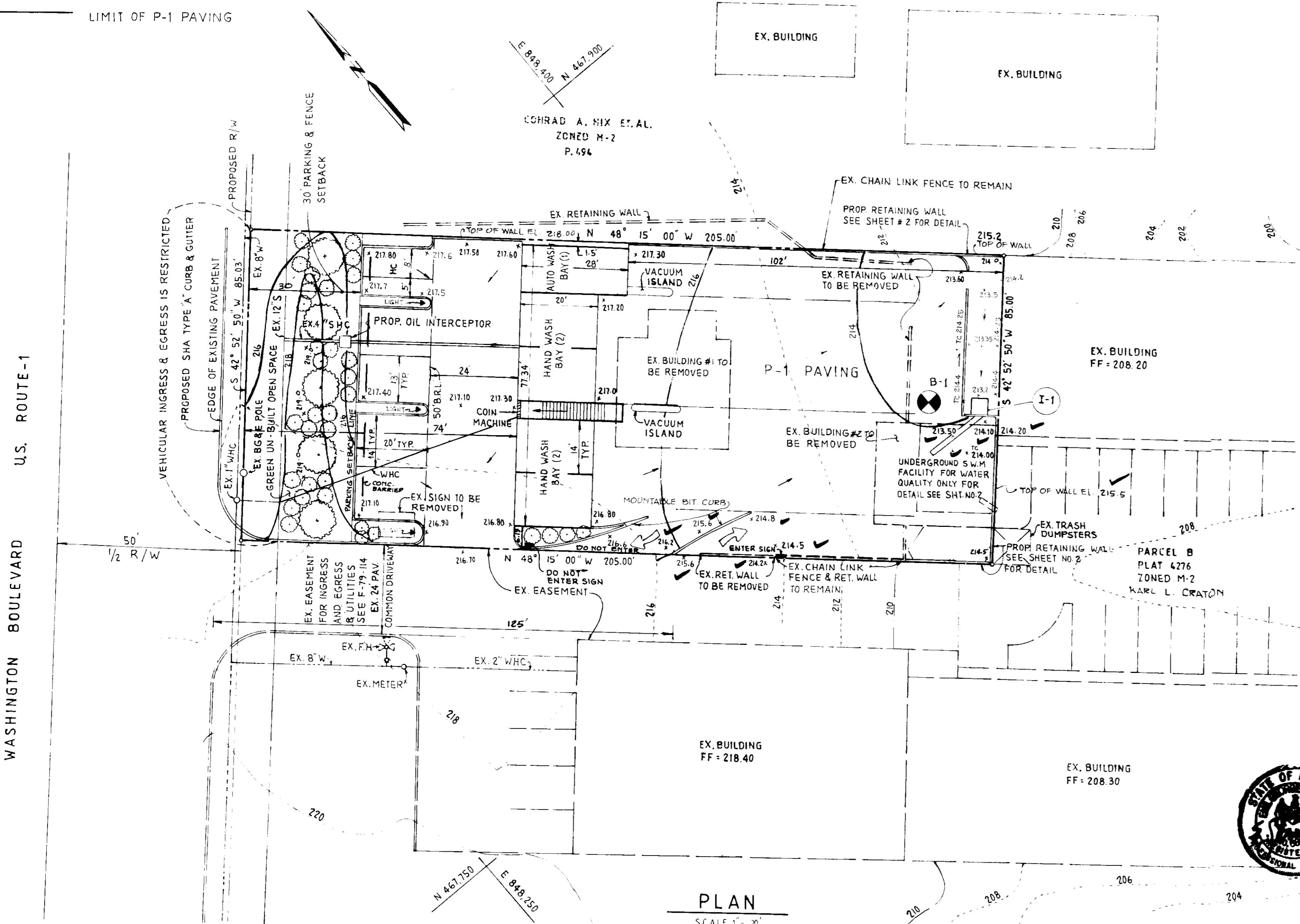
DESIGNED BY: V.S.
DRAWN BY: V.S.
CHECKED BY: M.S.

CAR WASH VEHICLE STACKING PLAN
MAGIC WAND CARWASH
6TH ELECTION DISTRICT
HOWARD COUNTY, MD.

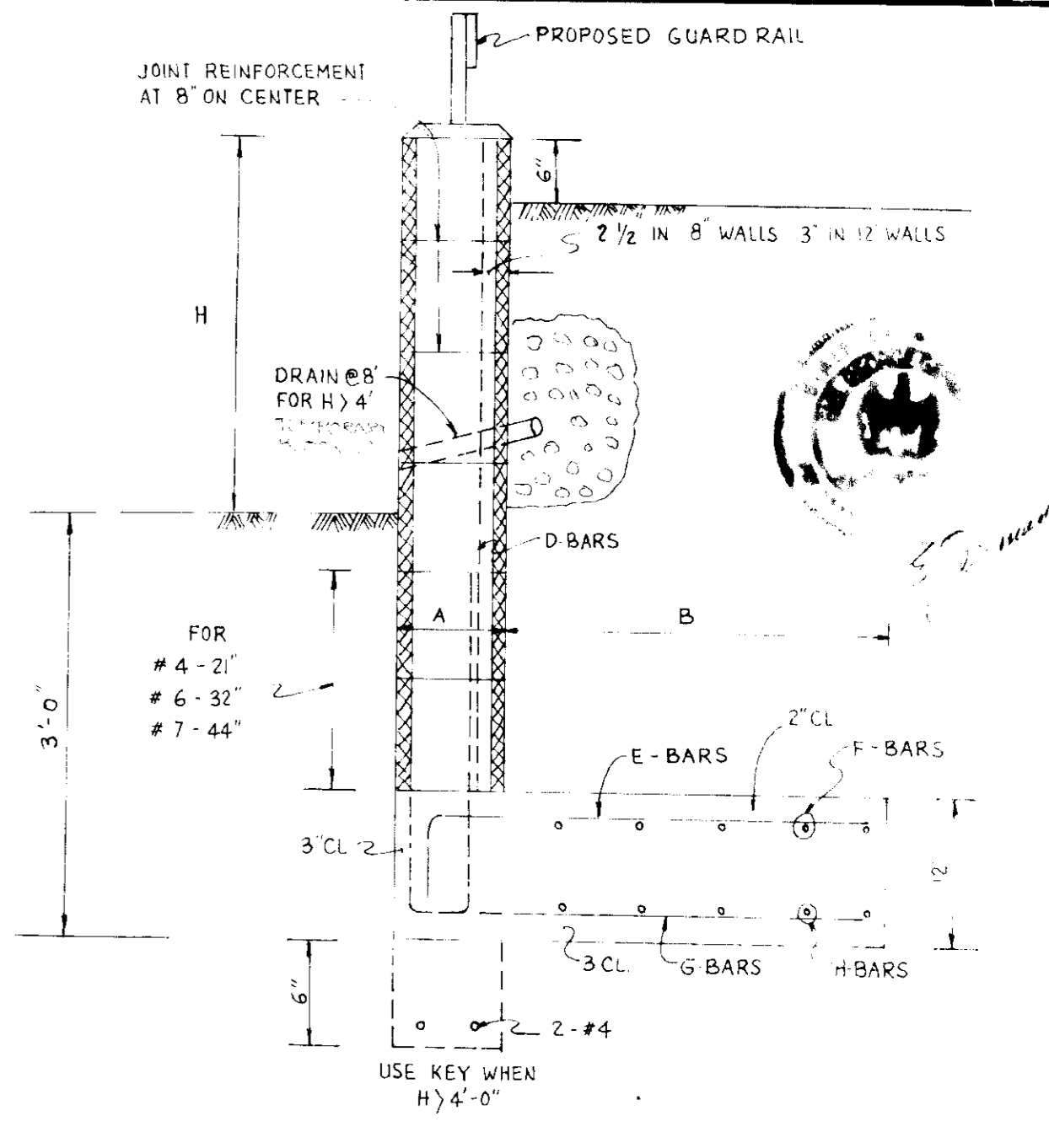
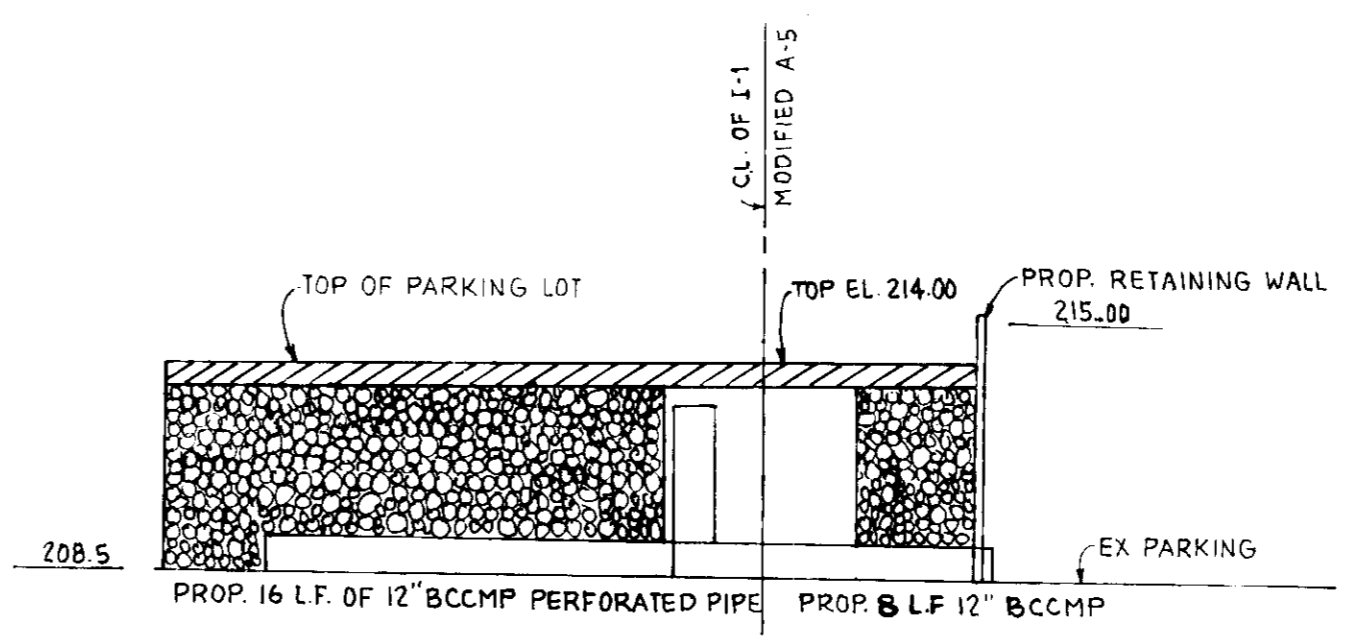
OWNER / DEVELOPER
KARL L. CRATON
530 WILLIAMSBURG LANE
ODENTON, MD. 21113

SCALE: 1" = 20'
DRAWING: 1 OF 4
DATE: 5-21-91

NOTE:
THE ENTIRE SITE IS PAVED AT THE EXISTING CONDITION.

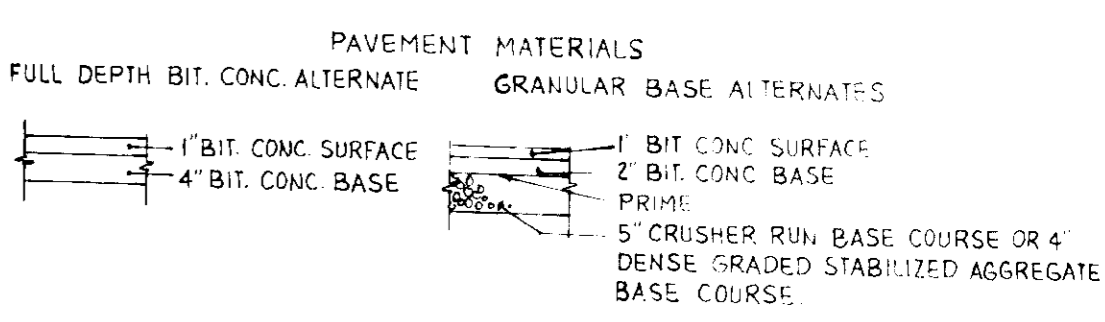
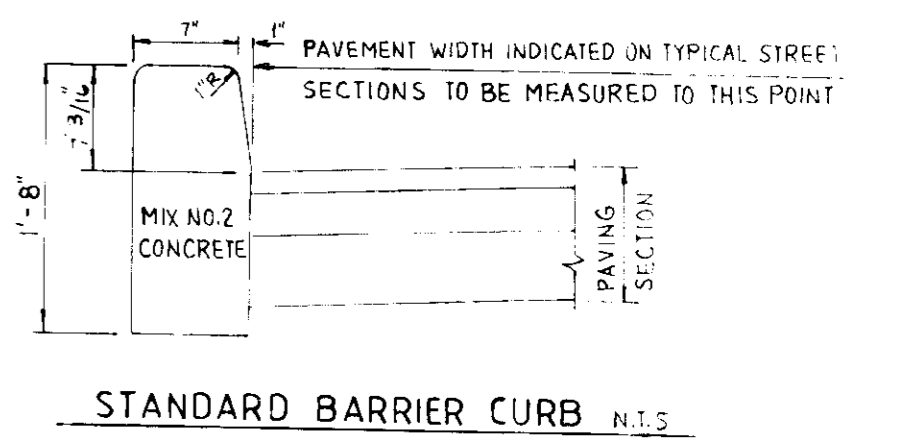
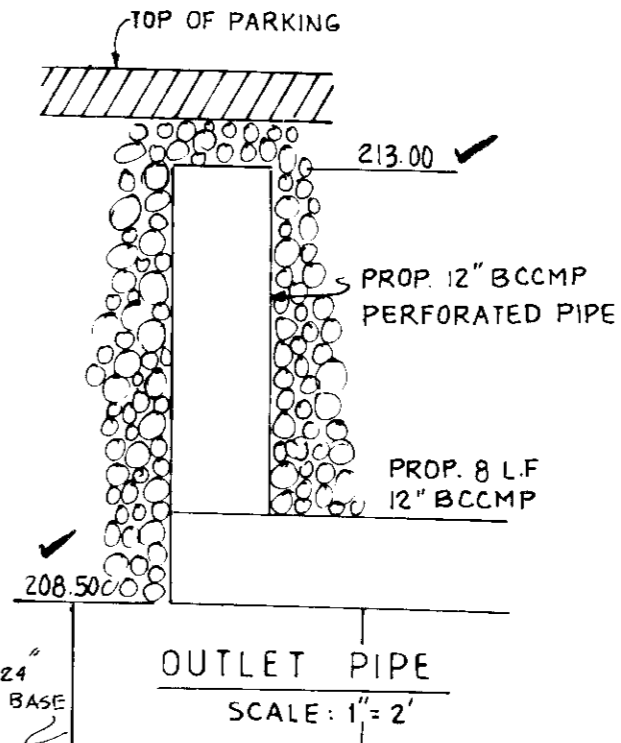
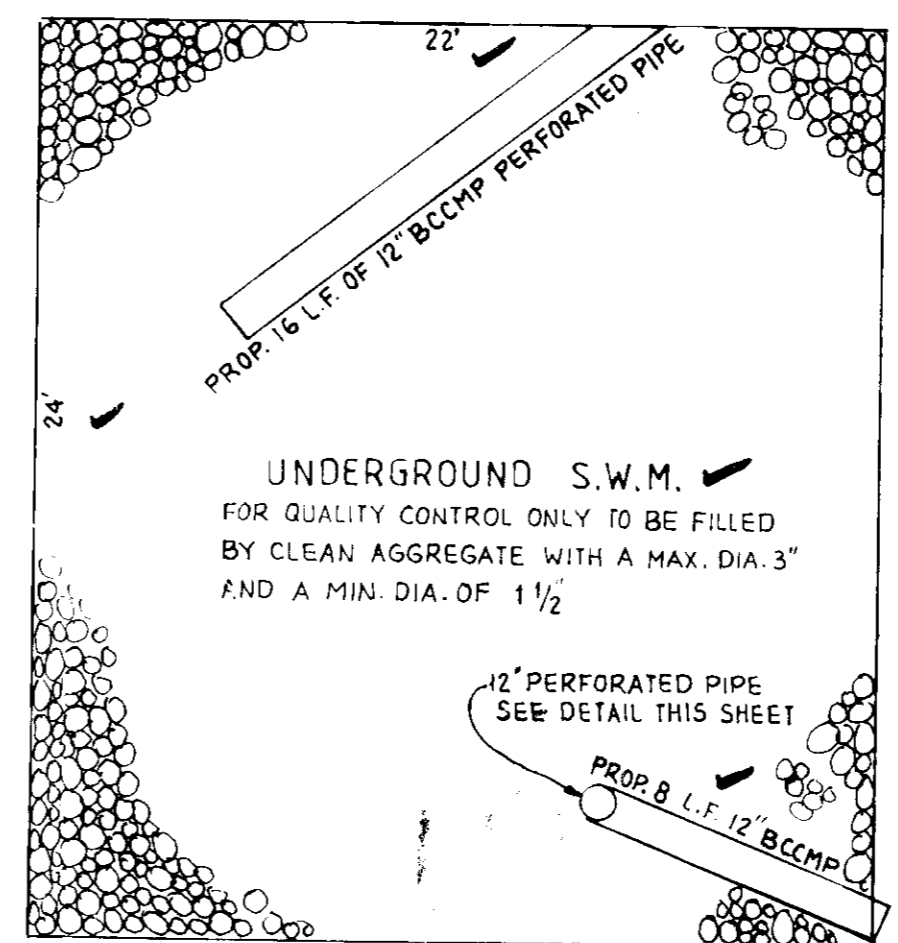


SOIL BORING SUMMARY
 0' - 1' BROWN MOIST SANDY LOAM (SM-SC)
 1' - 4' BROWN MOIST LOAMY SAND (SM)
 4' - 6' BROWN MOIST SANDY LOAM (SM)
 6' - 12' TAN MOIST SAND (SW)
 - WET BELOW 9'
 GROUNDWATER 9'

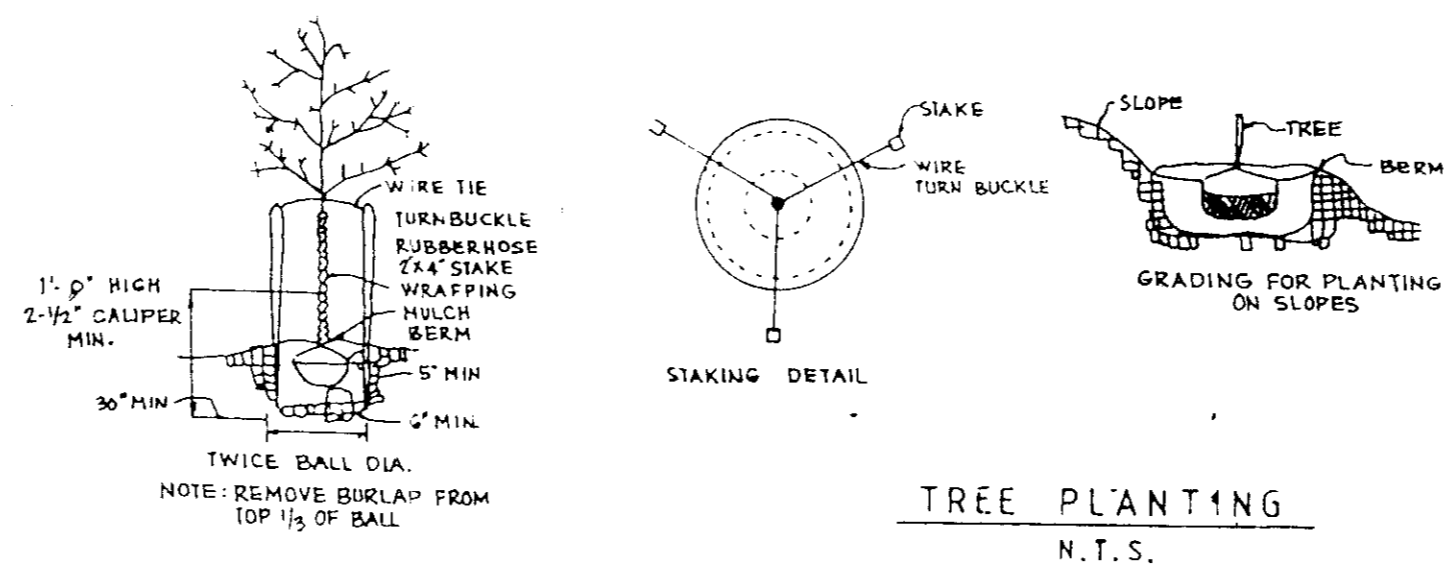


H	A	B	D	E	F	G	H	REMARKS
2'-0"	0'-8"	2'-1"	#4 @ 32"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 16"	
4'-0"	0'-8"	3'-2"	#4 @ 24"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 16"	
6'-0"	1'-0"	4'-0"	#7 @ 24"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 16"	KEY REQ'D

NOTE: $f_c = 3000$ PSI.



II. Mounting:
 The fine sign shall be mounted underneath the below R7-8 reserved parking sign. The bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure or other location where vehicle or pedestrian traffic is not obstructed, the bottom edge of the sign shall be at least 10 feet, but no more than 10 feet above ground. Because this is in addition to existing sign installations, some adjustment in height will be necessary.



NOTE: CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING. FINAL LOCATIONS OF TREES MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS. PLANTING PROCEDURES SHALL COMPLY WITH LANDSCAPE SPECIFICATIONS FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS. SUBSTITUTION TO THE ABOVE SPECIES MAY BE PERMITTED PROVIDED THAT THE PLANTING IS IN ACCORDANCE WITH THE STREET TREE AND LANDSCAPE REQUIREMENTS AS SPECIFIED IN SECTION 16.151 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.

- DENOTES APPROXIMATE LOCATION OF ACER SACCHARUM (SUGAR MAPLE) 2 1/2" CALIPER PLANTED 40' ON CENTER QUANTITIES 5
- DENOTES APPROXIMATE LOCATION OF EUONYMUS ALATUS (COMPACTA) 4" O.C. QUANTITIES 34

SEDGHI & ASSOCIATES, LTD.
 ENGINEERS - SITE PLANNERS - SURVEYORS
 3217 CORPORATE COURT
 ELLICOTT CITY, MARYLAND, 21043
 (301) 750-9003

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICE
 DATE: 11/14/91

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DATE: 11/14/91

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 11/14/91

CHIEF, BUREAU OF ENGINEERING
 DATE: 11-14-91

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 DATE: 10/28/91

U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE: 10/28/91

NO	DESCRIPTION	DATE	BY

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.
 SIGNATURE OF ENGINEER: [Signature]
 DATE: 10-2-91

DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. ALSO AUTHORIZE PERIODIC ONSITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.
 SIGNATURE OF DEVELOPER: [Signature]
 DATE: 10-2-91

SUBDIVISION NAME: PRICE W.P.E.W. PROPERTY SECTION: A PARCEL: 493-A
 PLAT NO: BLOCK NO: ZONE: 5 M-2 TAX MAP: ELEC. DIST. CENSUS TR: 6TH 6019.02
 WATER CODE: 802 SEWER CODE: 3330000

DESIGNED BY: V.S.
 DRAWN BY: V.S.
 CHECKED BY: M.S.

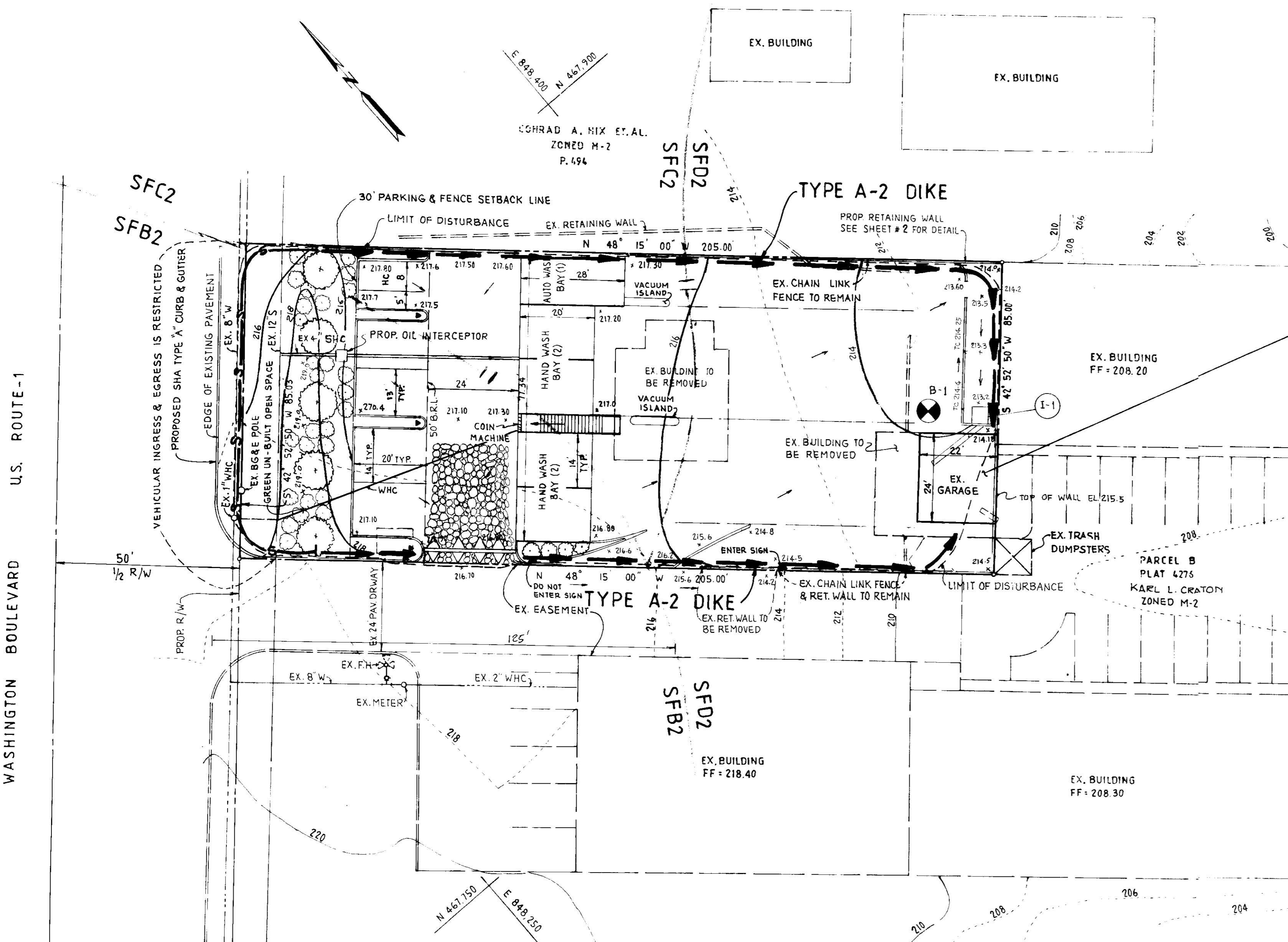
SITE DEVELOPMENT PLAN
MAGIC WAND CARWASH
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MD.

OWNER / DEVELOPER
 KARL L. CRATON
 530 WILLIAMSBURG LANE
 ODESSA, MD. 21113

AS-BUILT

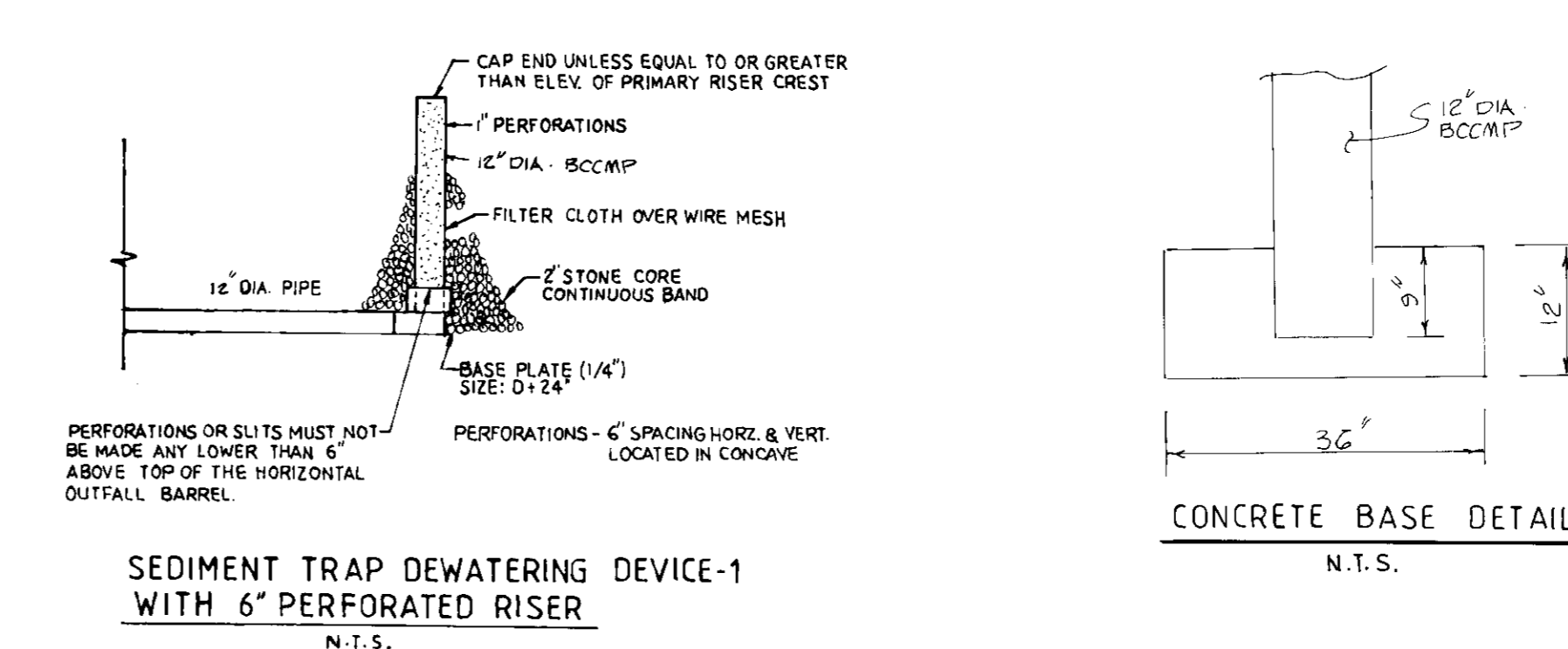
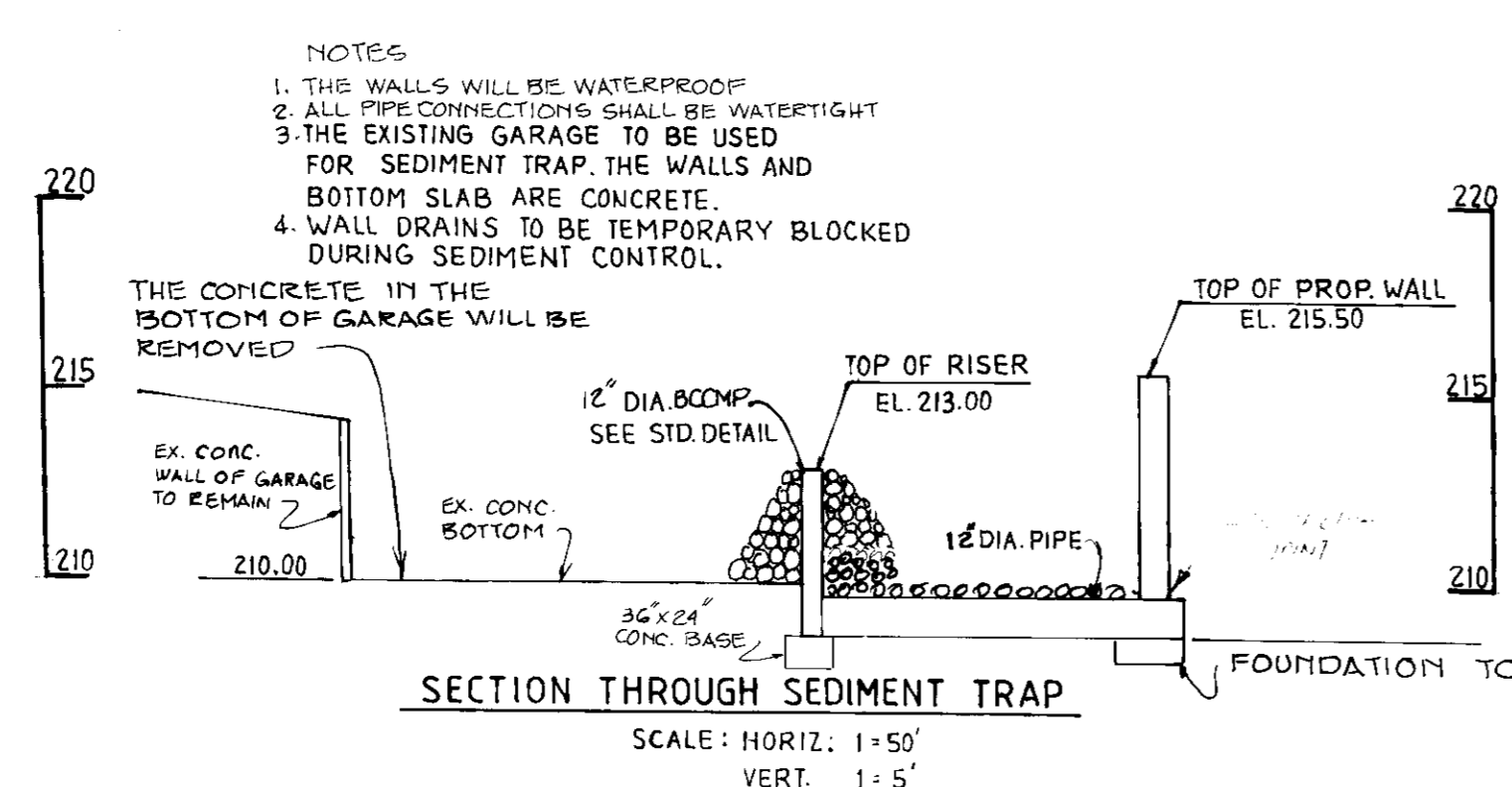
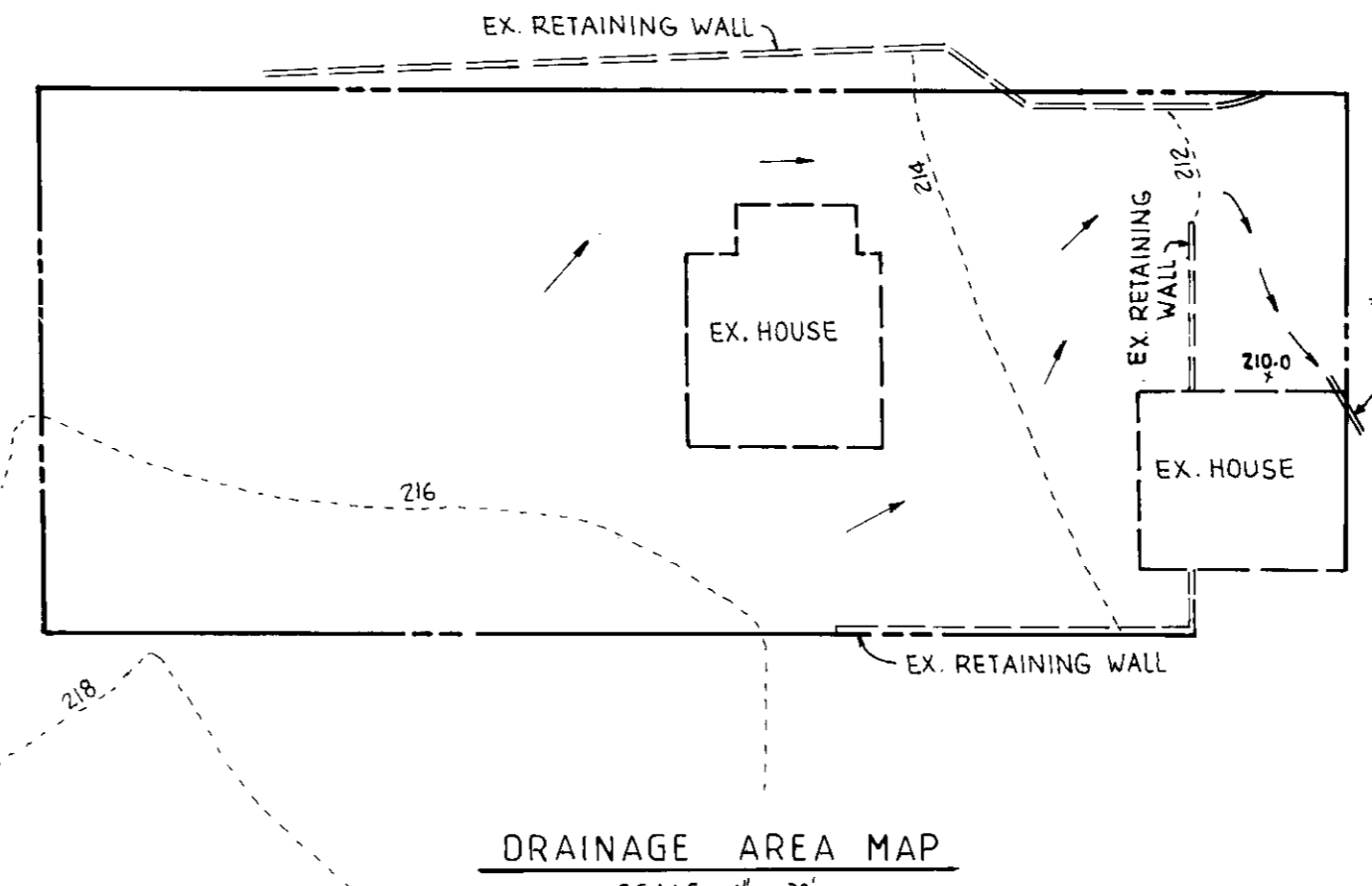
- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT.
 - NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS AT 792-7272, A MINIMUM OF 24 HOURS PRIOR TO THE START OF ANY WORK.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 - INSTALL DIKES AND SILT FENCES.
 - REMOVE EXISTING BUILDING #2 AND CONSTRUCT SEDIMENT TRAP.
 - REMOVE EXISTING BUILDING #1 AND CONSTRUCT ALL RETAINING WALLS. BLOCK RETAINING WALL DRAINS.
 - CLEAR AND GRADE THE SITE, CONSTRUCT UTILITIES.
 - BUILDING CONSTRUCTION CAN START AT THIS STAGE.
 - DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
 - DURING CONSTRUCTION, THE CONTRACTOR SHALL REMOVE THE SEDIMENT FROM THE SEDIMENT TRAPS WHEN THE CLEANOUT ELEVATIONS HAVE BEEN REACHED.
 - CONSTRUCT CURBS, GUTTER AND LAY BASE COURSE.
 - CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE AND LAY SURFACE COURSE, STABILIZE ALL REMAINING DISTURBED AREAS.
 - WHEN THE WHOLE SITE IS PERMANENTLY STABILIZED, WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, CONVERT THE SEDIMENT TRAP TO STORMWATER MANAGEMENT FACILITY FOR QUALITY CONTROL ONLY AS SHOWN ON THE PLAN. THE BOTTOM OF THE STORAGE FACILITY TO BE CUT TO ELEVATION OF 208.50.
 - WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTORS, REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES ONCE ALL AREAS DRAINING TO THEM ARE PERMANENTLY STABILIZED.

- SEDIMENT & EROSION CONTROL LEGEND**
- STABILIZED CONSTRUCTION ENTRANCE
 - MOUNTABLE BERM
 - SILT FENCE
 - SOIL LINES
 - LIMIT OF DISTURBANCE
 - DIKES
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - SPOT ELEVATIONS



**DEWATERING DEVICE - 1
PIPE OUTLET SEDIMENT TRAP**

DRAINAGE AREA = 0.40 AC.
 STORAGE REQUIRED = 720 C.F.
 STORAGE PROVIDED = 756 C.F.
 TOP OF 6" RISER = 213.00
 BOTTOM OF TRAP = 210.00
 TOP OF EMBANKMENT (TOP OF THE PROP. WALL) = 215.50
 STORAGE ELEVATION = 211.50
 CLEANOUT ELEVATION = 211.00
 BOTTOM DIMENSION = 22'x24'



SEDGI & ASSOCIATES, LTD.
ENGINEERS - SITE PLANNERS - SURVEYORS
3217 CORPORATE COURT
ELLCOTT CITY, MARYLAND, 21043
(301) 750-9003

HOWARD COUNTY SOIL MAP # 34

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
James M. Boyd 11/14/91
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
James M. Boyd 11/14/91
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James M. Boyd 11/14/91
DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. Boyd 10/20/91
DATE

US SOIL CONSERVATION SERVICE
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
James M. Boyd 10/20/91
DATE

NO	DESCRIPTION	DATE BY

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.

James M. Boyd
10-9-91
DATE

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

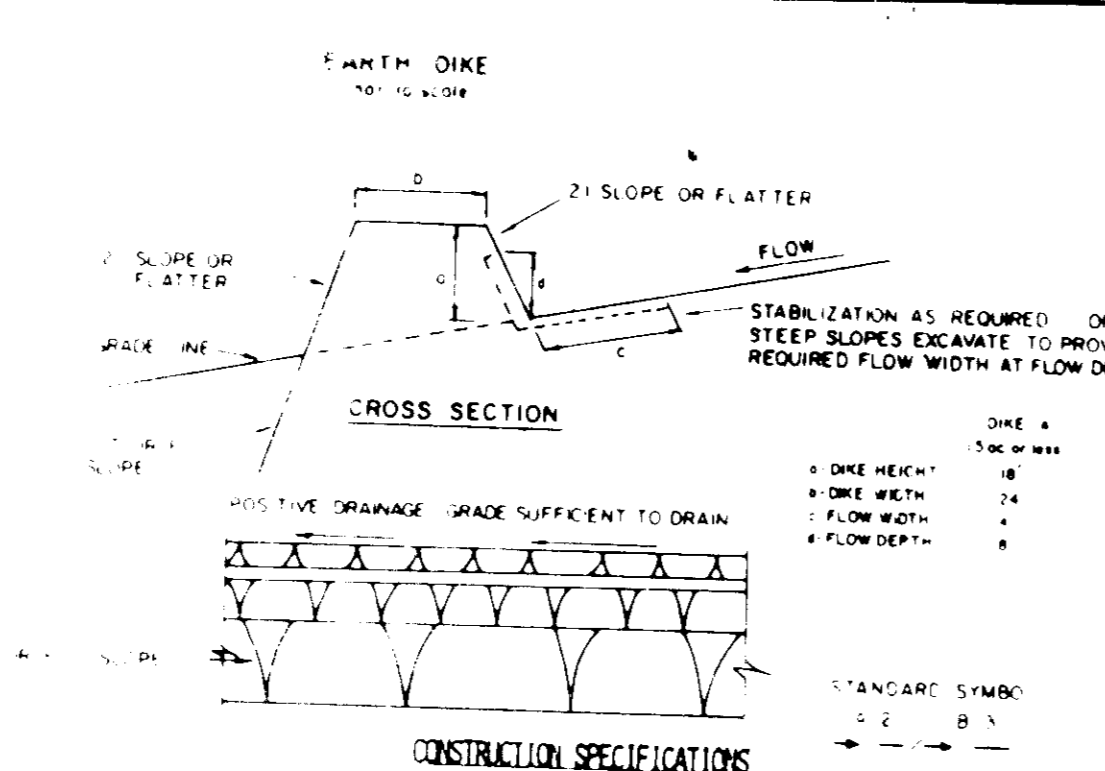
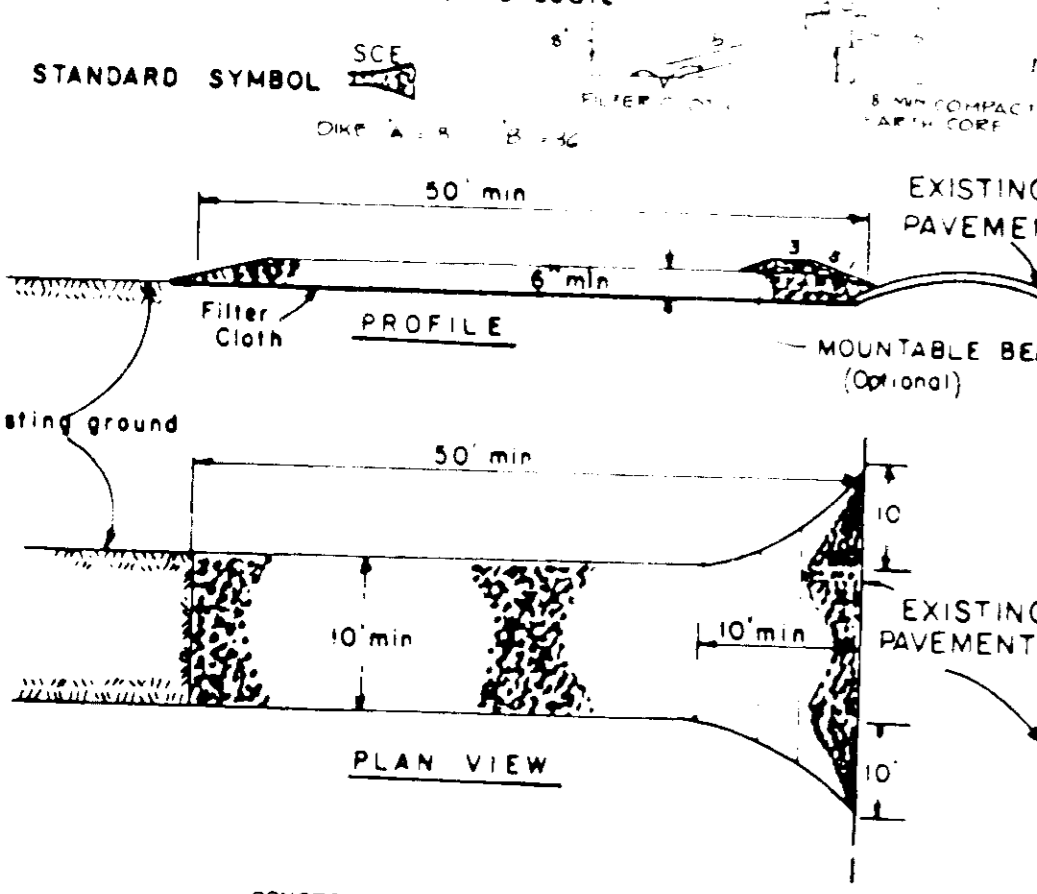
James M. Boyd
10-9-91
DATE

SUBDIVISION NAME: PRICE W. PEW PROPERTY	SECTION: A	PARCEL: 493-A
PLAT NO.: 5	BLOCK NO.: M-2	ELEC. DIST.: 6TH
WATER CODE: B02	SEWER CODE: 3330000	CENSUS TR.: 6069.02
DESIGNED BY: V.S.	SEDIMENT CONTROL PLAN	
DRAWN BY: V.S.	MAGIC WAND CARWASH	
CHECKED BY: M.S.	6TH ELECTION DISTRICT	
	HOWARD COUNTY, MD.	
	OWNER / DEVELOPER	
	KARL L. CRATON	
	530 WILLIAMSBURG LANE	
	ODENTON, MD. 21113	

SCALE: 1" = 20'
DRAWING: 3 OF 4
DATE: 5-21-91

SDP-91-114

CONSTRUCTION ENTRANCE
NOT TO SCALE

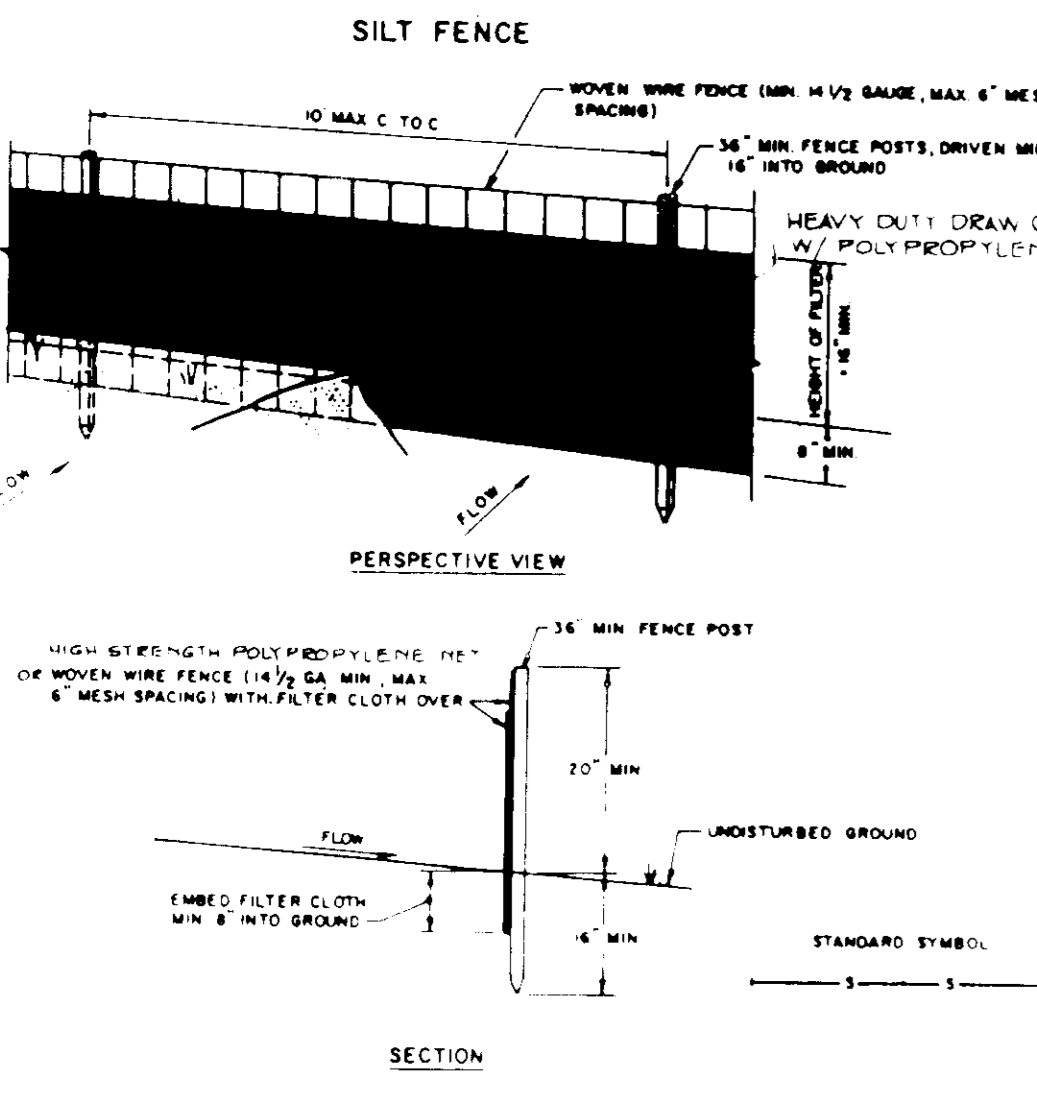


CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent. Length - As required, but not less than 50 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 berm with 3:1 slopes 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 sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- 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 device.
- Periodic inspection and needed maintenance shall be provided after each rain.

CONSTRUCTION SPECIFICATIONS

- Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
- Rip-rap to be 4-8 inches in a layer at least 8 inches thickness and pressed into the soil.
- Approved equivalents can be substituted for any of the above materials. Periodic inspection and required maintenance must be provided after each rain event.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

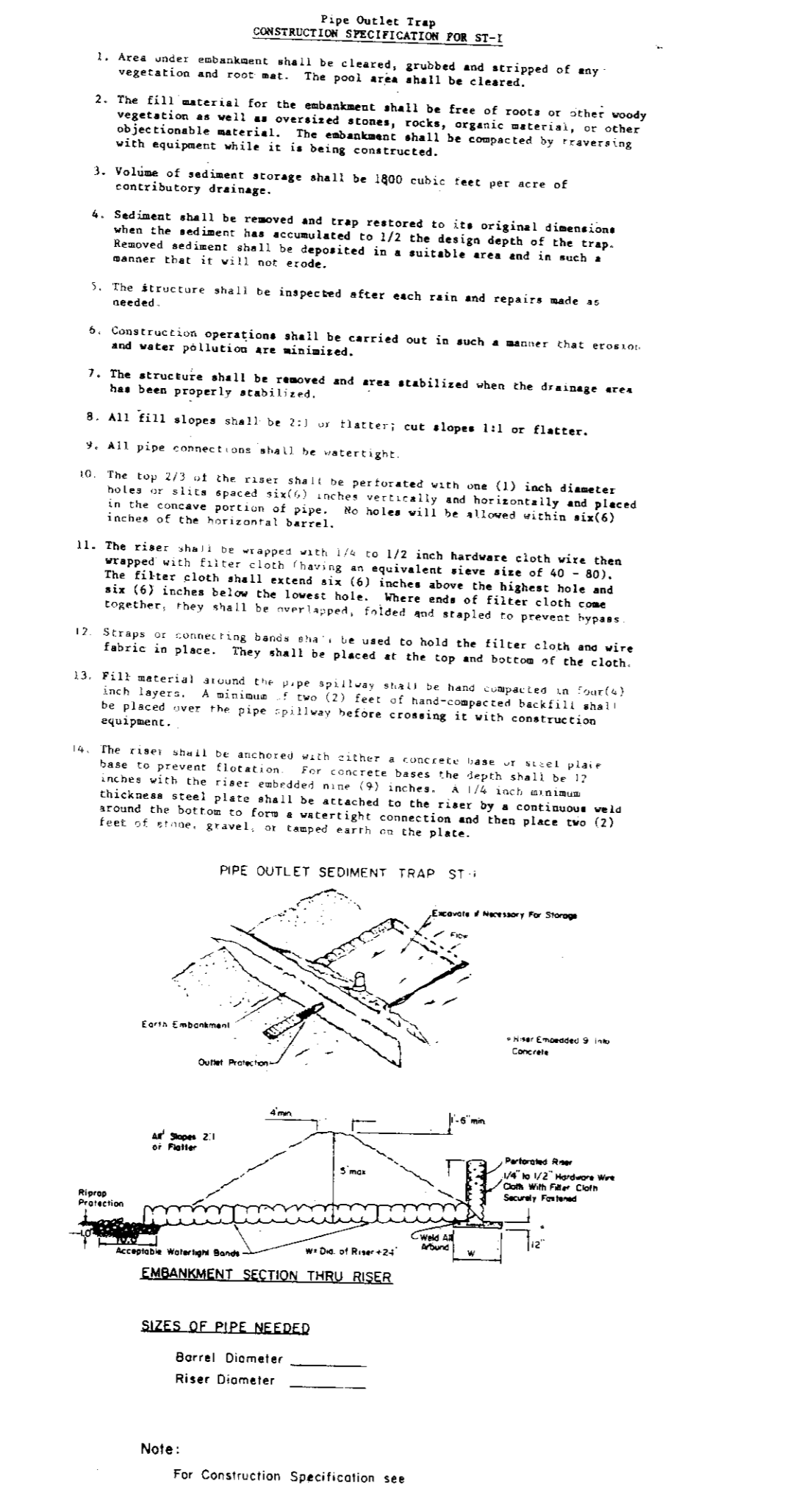
- MESH WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO MESH WIRE FENCE WITH TIES SPACING EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 1 1/2" X 1/4" MIN. ACTUAL HARDWOOD.

FENCE: MESH WIRE, 1/2" GA. 6" MAX. MESH OPENING.

FILTER CLOTH: FILTER FABRIC, POLYPROPYLENE, 3/4" MIN. TENSION OR APPROVED EQUAL.

PRE-FABRICATED UNIT: GEOTEX, ENVIRONMENTAL, OR APPROVED EQUAL.



PERMANENT SEEDING NOTES

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

Seedbed Preparation - Loosen upper three inches of soil by raking, tisking or other acceptable means before seeding, if not previously loosened.

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

- Preferred - Apply 2 tons per acre (4000 lbs/1000 sq ft) of 10-10-10 fertilizer and 100 lbs per acre of 100% phosphate fertilizer (400 lbs/1000 sq ft) before seeding.
- Acceptable - Apply 2 tons per acre of 10-10-10 fertilizer (4000 lbs/1000 sq ft) and 100 lbs per acre of 100% phosphate fertilizer (400 lbs/1000 sq ft) before seeding.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 10 lbs per acre (2000 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 10 lbs per acre (2000 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period October 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. Option (2) Use seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1-1/2 to 2 tons per acre (3000-4000 lbs/1000 sq ft) of untreated straw grain straw immediately after seeding. 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 greater than 3:1, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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

Seedbed Preparation - Loosen upper three inches of soil by raking, tisking or other acceptable means before seeding, if not previously loosened.

Soil Amendments - Apply 10 lbs per acre (2000 lbs/1000 sq ft) of 10-10-10 fertilizer (400 lbs/1000 sq ft) for the periods March 1 thru April 30 and August 1 thru October 15, seed with 2 1/2 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (3.7 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 straw.

Mulching - Apply 1-1/2 to 2 tons per acre (3000-4000 lbs/1000 sq ft) of untreated straw grain straw immediately after seeding. 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 greater than 3:1, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH SEED

Class of turfgrass seed shall be Maryland or Virginia State approved seed from Maryland or Virginia State approved sod.

Sod shall be machine cut at a uniform cut thickness of 3/4 inch, plus or minus 1/8 inch, at the time of cutting. Measurement for thickness shall exclude top growth and thatch.

Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically under a firm grass in the upper 1/2 percent of the section.

Individual pieces of sod shall be uniform in their width and length. Maximum allowable deviation from standard widths and lengths shall be 1/2 inch. Broken ends and corners shall not be acceptable.

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

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.

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.

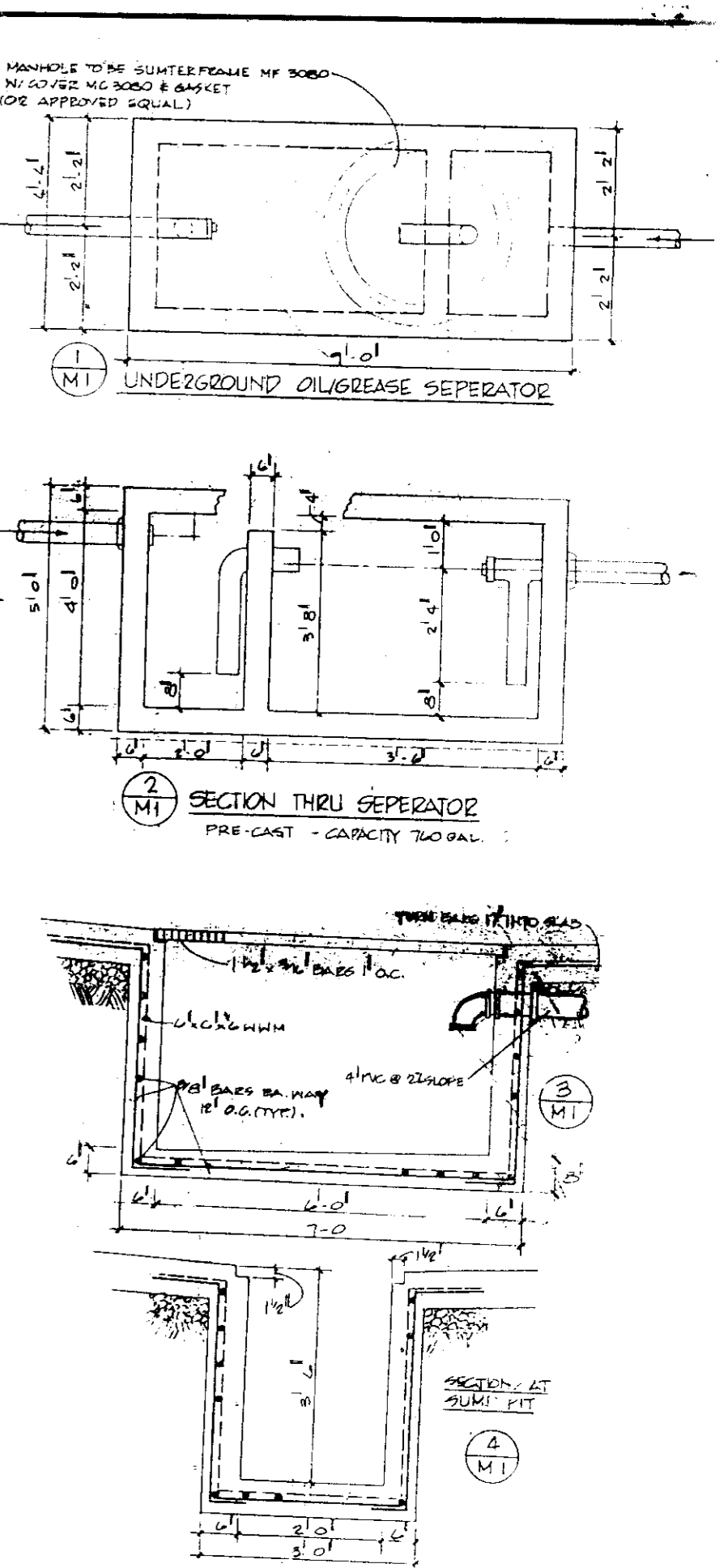
Where the soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 2 tons/acre or 100 pounds per 1,000 square feet. In all soils, 1,000 pounds per acre or 25 pounds per 1,000 square feet of 10-10-10 fertilizer or equivalent shall be uniformly applied and mixed into the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

All areas receiving sod shall be uniformly fine graded. Hard-packed earth shall be scarified prior to placement of sod.

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (880-3450)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in compliance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redisturbance permanent or temporary stabilization shall be completed within (a) seven calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1 and (b) 14 days as to all other disturbed or graded areas on the project site.
- 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.
- 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) and (Sec. 52) 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.
- 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.
- Site Analysis:

Total Area of Site	0.40	Acres
Area Disturbed	0.314	Acres
Area to be roofed or paved	0.307	Acres
Area to be vegetatively stabilized	0.086	Acres
Total Cut	600	Cu Yds
Total Fill	600	Cu Yds
Offsite waste/borrow area location	N/A	
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control 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.
- The total amount of straw bale/dikes silt fence equals 460 lbs.



DETAIL OIL & SAND INTERCEPTOR
N.T.S.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
James M. [Signature] 11/14/91
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 11/14/91
DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
[Signature] 11/14/91
DIRECTOR DATE

[Signature] 11-14-91
CHIEF, BUREAU OF ENGINEERING DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. [Signature] 10/28/91
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] 11/18/91
HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

NUMBER	REVISION	DATE	BY

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.

[Signature]
REGISTERED PROFESSIONAL ENGINEER DATE 10-9-91

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

[Signature] 10-9-91
SIGNATURE OF DEVELOPER DATE

SEDGH & ASSOCIATES, LTD.
Civil Engineers Site Planners - Surveyors
3217 Corporate Court
Ellicott City, MD 21043
(301) 750-9003

SEDIMENT CONTROL DETAIL
MAGIC WAND CARWASH
6TH ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE: N.T.S. DATE: 5-21-91
SHEET 4 OF 4

OWNER / DEVELOPER
KARL L. CRATON
530 WILLIAMSBURG LANE
ODENTON, MD. 21113