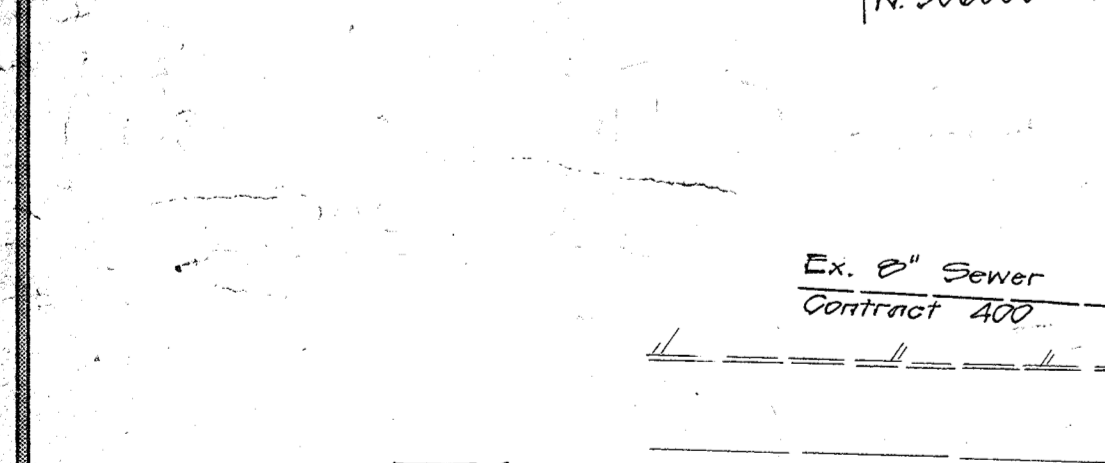
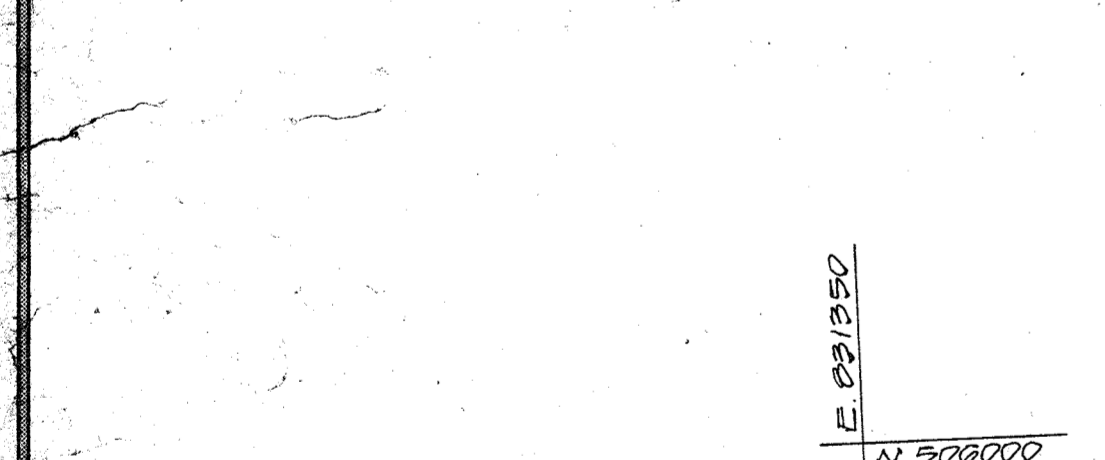
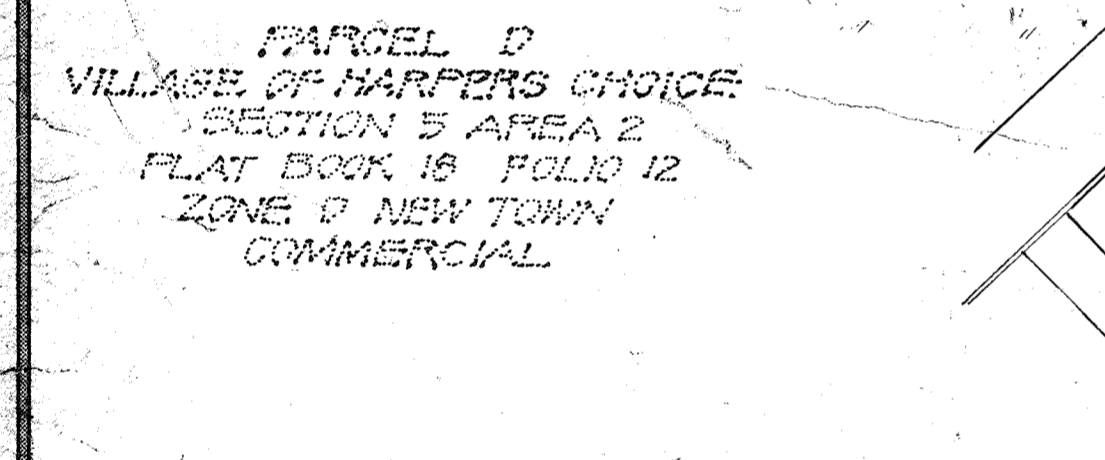
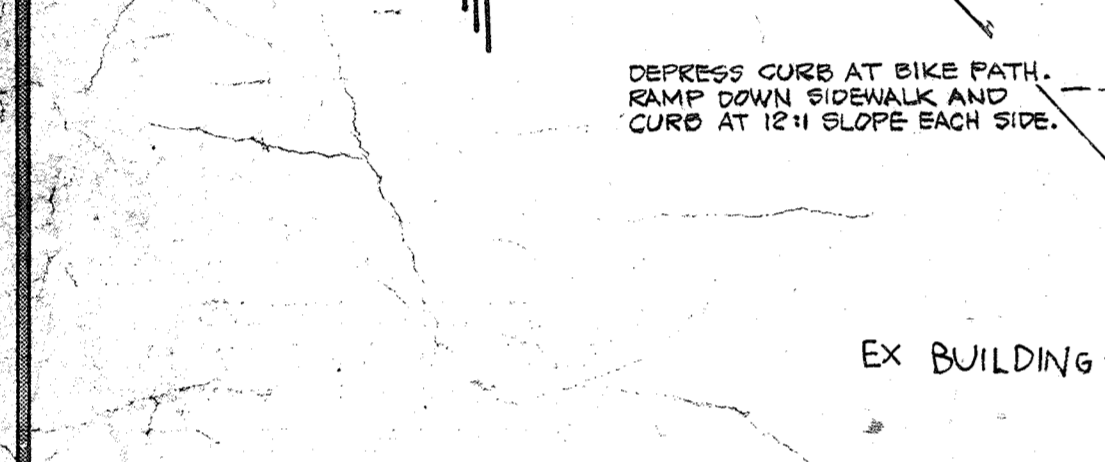
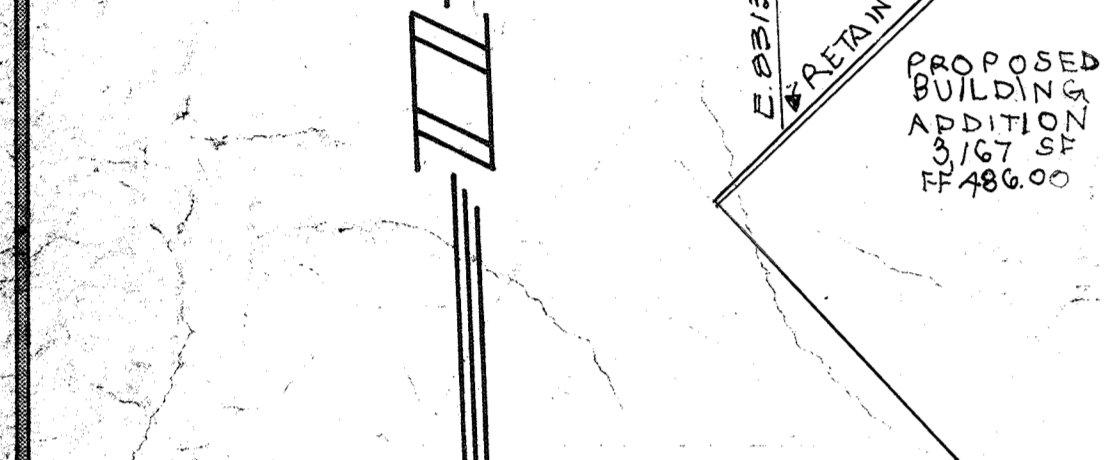
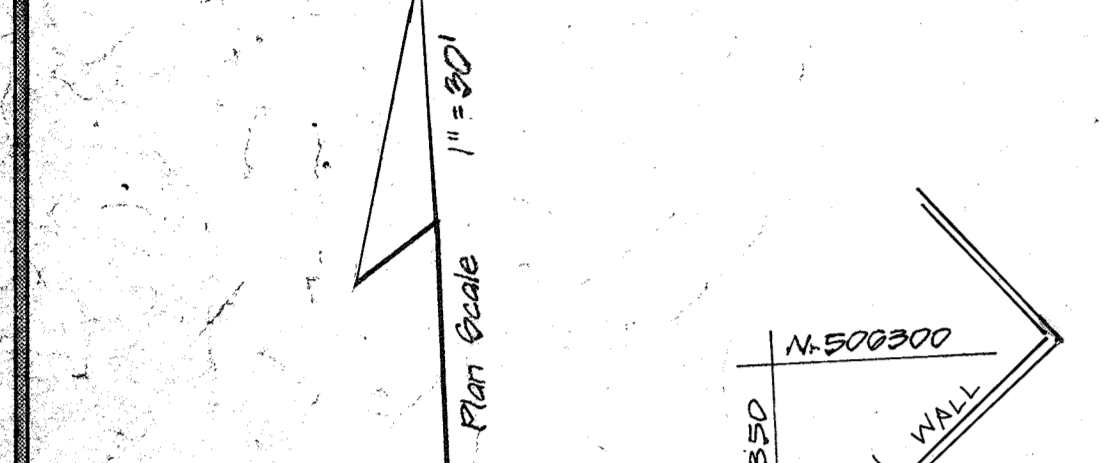


SITE ANALYSIS

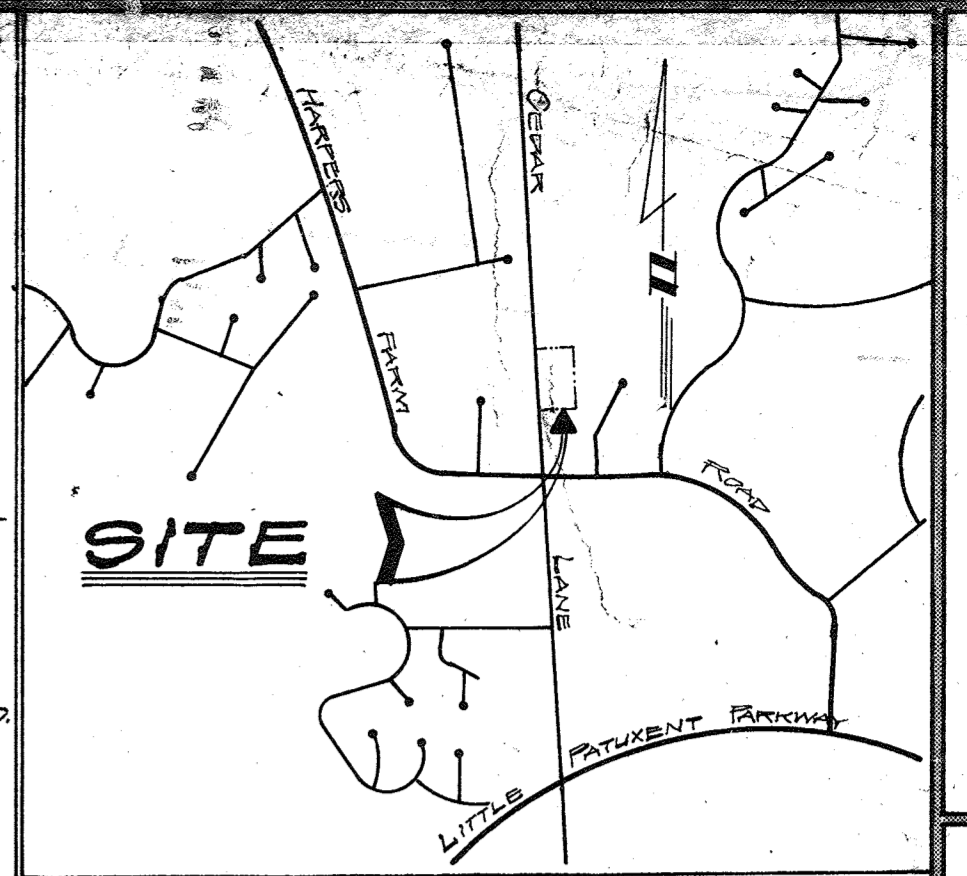
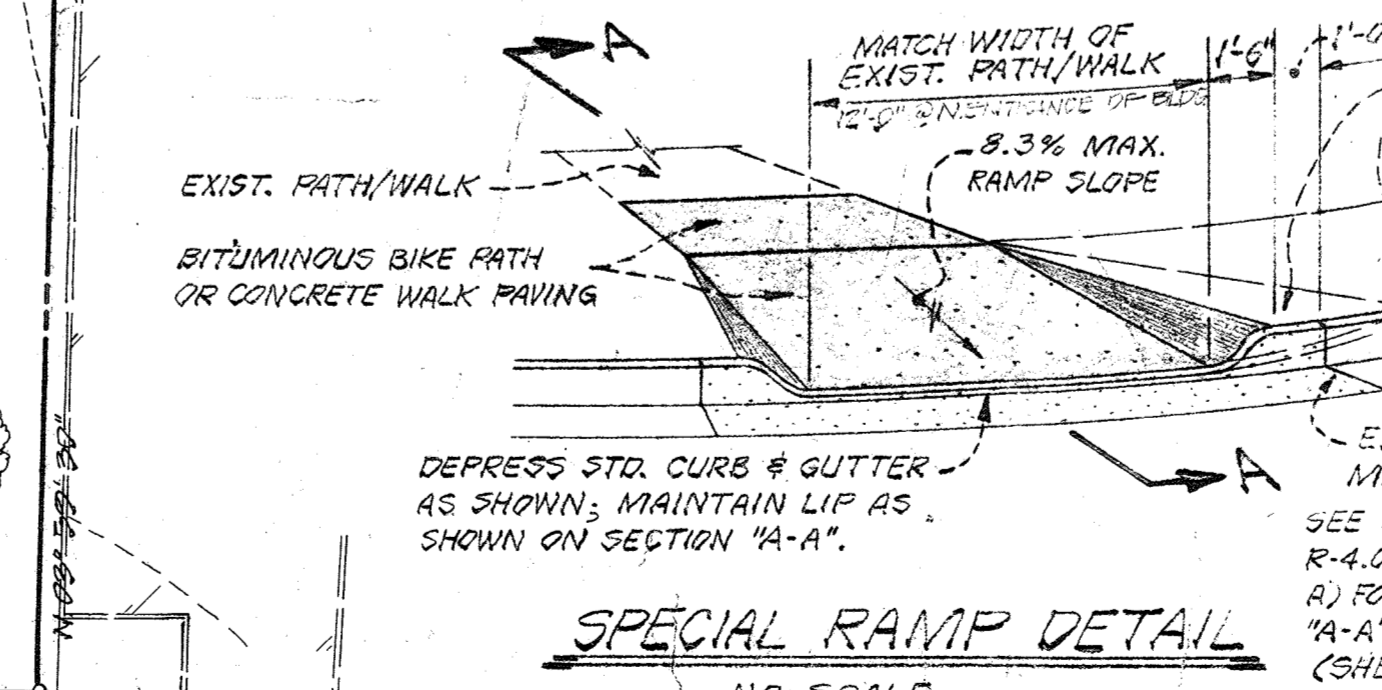
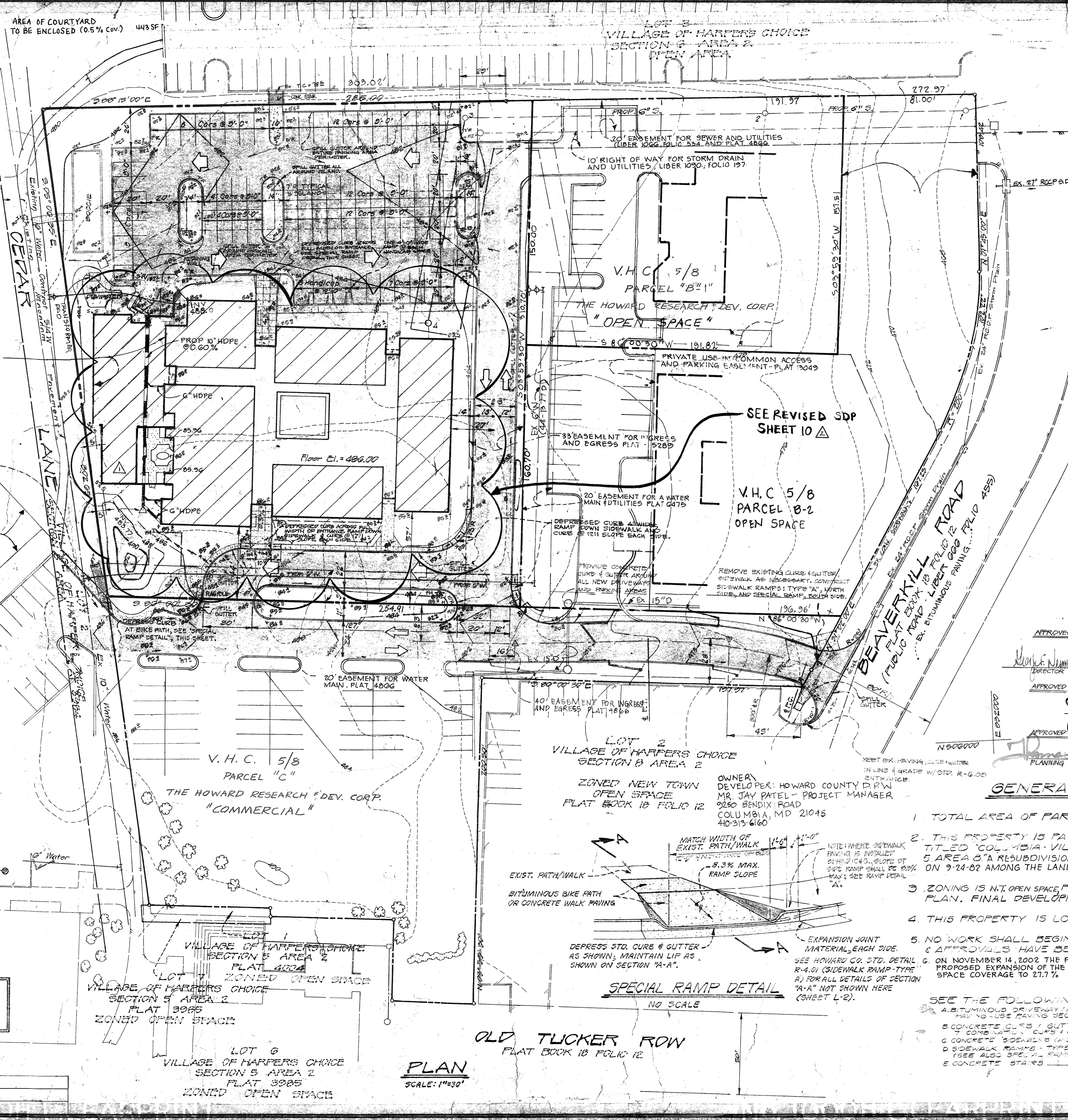
TOTAL OPEN SPACE UNDER FDP 183-A	3,611 AC.
TOTAL PROJECT AREA	1,954 AC.
TOTAL DISTURBED AREA (4940 SF)	0.11 AC.
PRESENT ZONING	NT/OS
PRESENT USE	RECREATIONAL ASSEMBLY
AREA OF EXISTING STRUCTURE (24% COV.)	20,840 SF
AREA OF PROPOSED ADDITION (3.7% COV.)	3,167 SF
(28.3% COV.) GROSS AREA TOTAL	24,007 SF
AREA OF STORAGE, MAINTENANCE & ACCESS AREAS	2,085 SF
NET LEASEABLE AREA	

PARKING TABULATION USE	AREA (SF)	RATE(SF)	SPACES (REQ'D)
GENERAL OFFICE	3,167	33/1000	10.42
EXERCISE	2,078	2/1000	4.15
CRAFTS	1,981	5/1000	3.96
MEET./MULTI-PURP.	1,301	16/1000	13.01
KITCHEN	1,112	2.5/1000	2.78
LOUNGE	6,885	4/1000	17.21
RECEPTION	N/A	1/1000	1.00
TOTAL PARKING REQ'D			68.04
INCL. H.C. TOTAL PARKING PROV.			71 SPACES
TOTAL HANDICAP SPACES REQUIRED			3 SPACES
TOTAL HANDICAP SPACES PROVIDED (2 VAN ACCESS)			4 SPACES



OWNER:
 HOWARD COUNTY, MARYLAND
 3430 COURT HOUSE DRIVE
 ELLICOTT CITY, MD, 21043

NO	DATE	REVISION
1	9-25-19	ADDED ENCLOSURE TO COURTYARD
2	6-22-02	ADDED 3,167 SF ADDITION TO EXISTING BUILDING
3		



APP'D
 PLANNING DIRECTOR
 DATE: 7-15-81

VILLAGE OF HARPERS CHOICE
 Parcel "A" Section 5 Area 2
 Clarksville Election District #5
 Howard County, Maryland
 3430 Court House Drive
 Elllicott City, Md. 21043

LEGEND

EX. CONTOURS	---	480
PROP. CONTOURS	---	480
PROP. CONCRETE PAVING	[Pattern]	
PROP. BITUMINOUS PAVING	[Pattern]	
PROP. CONC. CURB & GUTTER (PROP. SPOT ELEVATIONS ARE DECIMAL NUMBER)	[Pattern]	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD CO. DEPT. OF PUBLIC WORKS
 DATE: 9-23-81

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPT.
 DATE: 10-6-81

APPROVED: HOWARD CO. OFFICE OF PLANNING AND ZONING
 DATE: 10-6-81

GENERAL NOTES

- TOTAL AREA OF PARCEL "A" = 1.954 ACRES
- THIS PROPERTY IS PARCEL "A" AS SHOWN ON A PLAT TITLED "COLUMBIA - VILLAGE OF HARPERS CHOICE - SEC. 5 AREA 2" A RESUBDIVISION OF PARCELS A & B RECORDED AS PLAT NO. 5289 ON 9-24-82 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.
- ZONING IS NT/OPEN SPACE PER 10-18-83 COMPREHENSIVE ZONING PLAN. FINAL DEVELOPMENT PHASE 183-A
- THIS PROPERTY IS LOCATED ON TAX MAP No. 29.
- NO WORK SHALL BEGIN UNTIL ALL APPROPRIATE PERMITS & APPROVALS HAVE BEEN OBTAINED.
- ON NOVEMBER 14, 2002 THE PLANNING BOARD REVIEWED AND APPROVED THE PROPOSED EXPANSION OF THE EXISTING BUILDING AND THE INCREASE IN OPEN SPACE COVERAGE TO 27.7%.

SEE THE FOLLOWING HOWARD CO STD. DETAILS:

A. BITUMINOUS DRIVEWAY/PARKING LST	R-201
B. CONCRETE CURB & GUTTER-USE STD	R-301
C. CONCRETE SIDEWALKS (WIDTH AS SHOWN)	R-305
D. SIDEWALK RAMPS - TYPE "A" OR "D" AS NOTED (SEE ALSO SPECIAL RAMP DETAIL THIS SHEET)	R-401 R-402
E. CONCRETE STAIRS	R-1201

WARRING ASSOCIATES
 ENGINEERS - SURVEYORS - PLANNERS
 7411 RIGGS ROAD
 SUITE 426 RIGGS BLVD
 HYATTSVILLE, MD. 20783
 (301) 439-9800



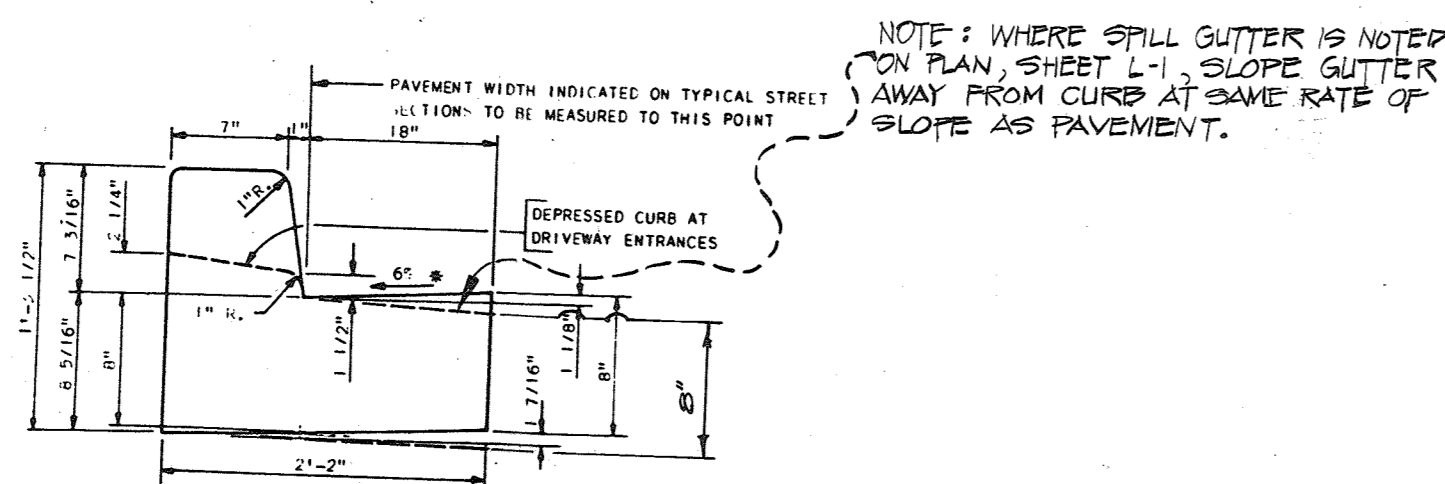
GRIMM & PARKER ARCHITECTS
 7411 RIGGS RD. • ADELPHI, MARYLAND 20783 (301) 439-9800
 115 KING ST. • ALEXANDRIA, VIRGINIA 22314 (703) 548-4333

SITE PLAN
 HOWARD COUNTY
 SENIOR CENTER

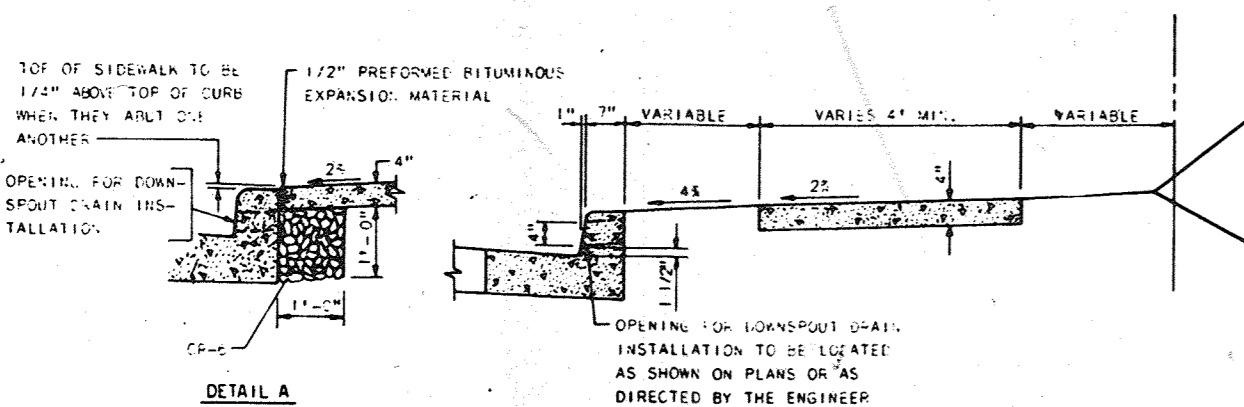
DRAWING NO. **L1**

DWG. 1 of 10
 DATE: 9-10-81

SDP-81-189

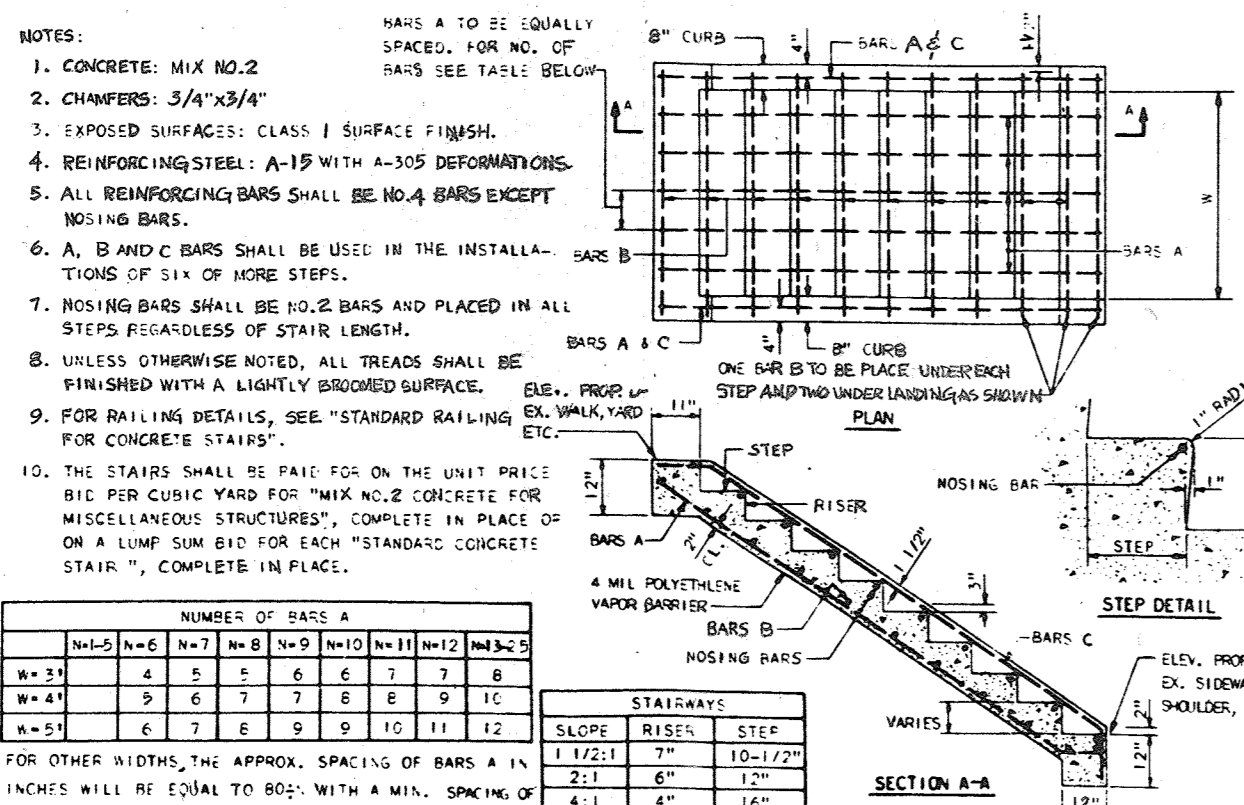


COMBINATION CURB & GUTTER
STANDARD R-3.01



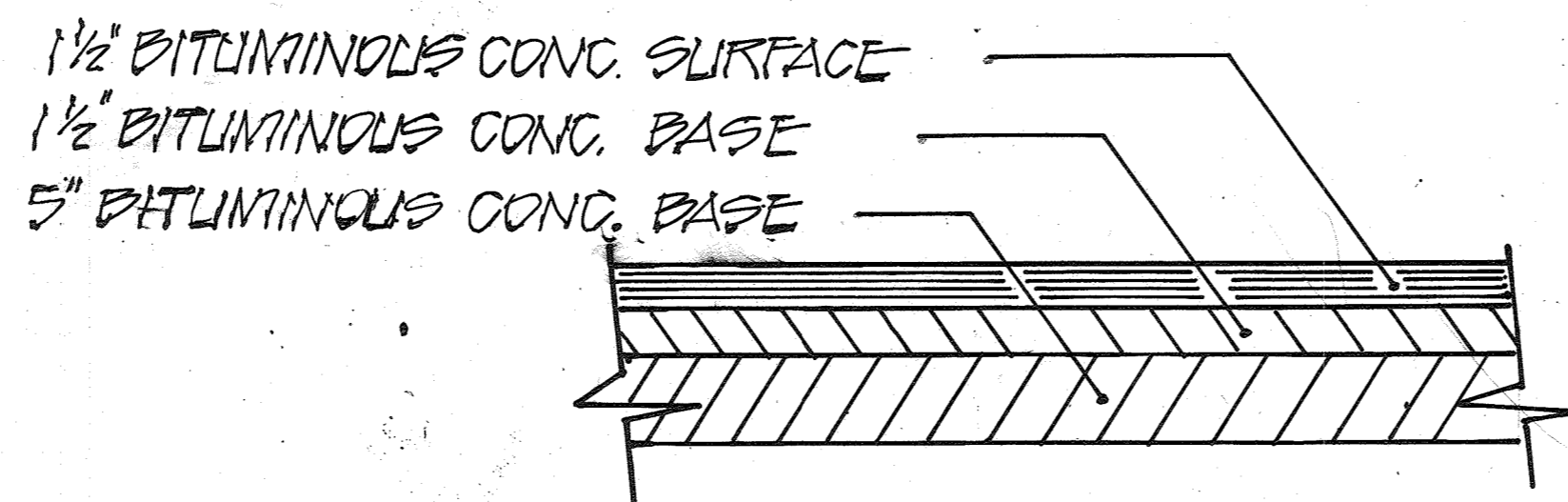
- NOTES:
1. SIDEWALK TO BE SCRIBED IN 5' MAXIMUM SQUARES.
 2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE MORE THAN 15' APART.
 3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.
 4. CONCRETE TO BE MIX NO. 2.
 5. WHEN SIDEWALK ADJUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB AND RESTING ON A COMPACTED CRUSHED STONE BASE. SEE DETAIL A THIS SHEET.
 6. ON LONGITUDINAL SIDEWALK GRADES OF 5% OR GREATER, A CONCRETE HEASER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 48 FEET. THE HEASERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.

CONCRETE SIDEWALK
STANDARD R-3.05

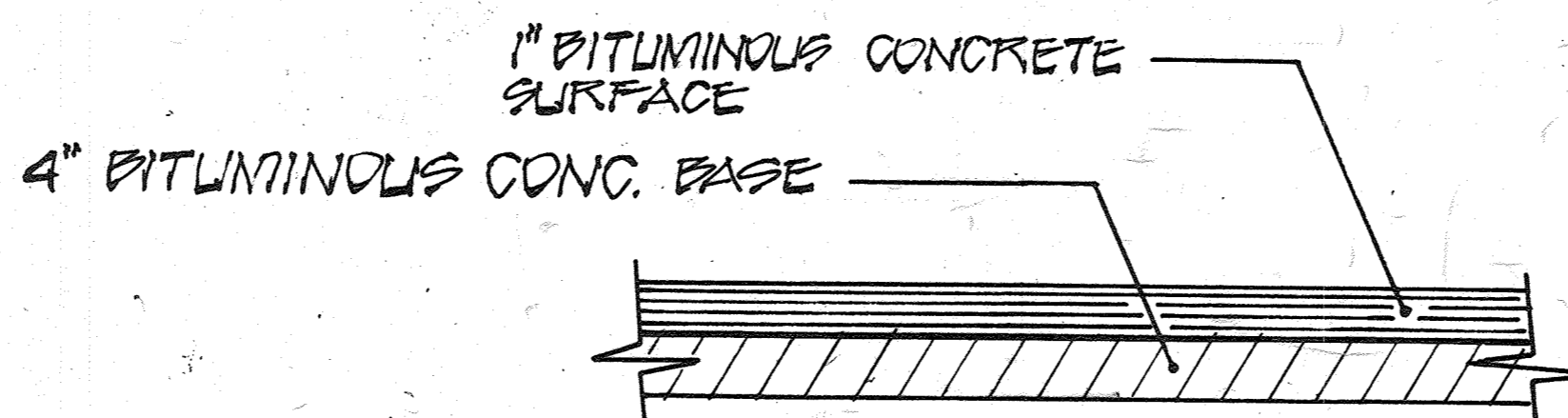


- NOTES:
1. CONCRETE: MIX NO. 2
 2. CHAMBERS: 3/4" x 3/4"
 3. EXPOSED SURFACES: CLASS II SURFACE FINISH.
 4. REINFORCING STEEL: A-19 WITH 4-30S DEFORMATIONS.
 5. ALL REINFORCING BARS SHALL BE NO. 4 BARS EXCEPT NOSING BARS.
 6. A, B AND C BARS SHALL BE USED IN THE INSTALLATIONS OF SIX OR MORE STEPS.
 7. NOSING BARS SHALL BE NO. 2 BARS AND PLACED IN ALL STEPS REGARDLESS OF STAIR LENGTH.
 8. UNLESS OTHERWISE NOTED, ALL TREADS SHALL BE FINISHED WITH A LIGHTLY BROOMED SURFACE.
 9. FOR RAILING DETAILS, SEE "STANDARD RAILING ETC." FOR CONCRETE STAIRS.
 10. THE STAIRS SHALL BE PAID FOR ON THE UNIT PRICE BIC PER CUBIC YARD FOR "MIX NO. 2 CONCRETE FOR MISCELLANEOUS STRUCTURES", COMPLETE IN PLACE ON A LUMP SUM BID FOR EACH "STANDARD CONCRETE STAIR", COMPLETE IN PLACE.

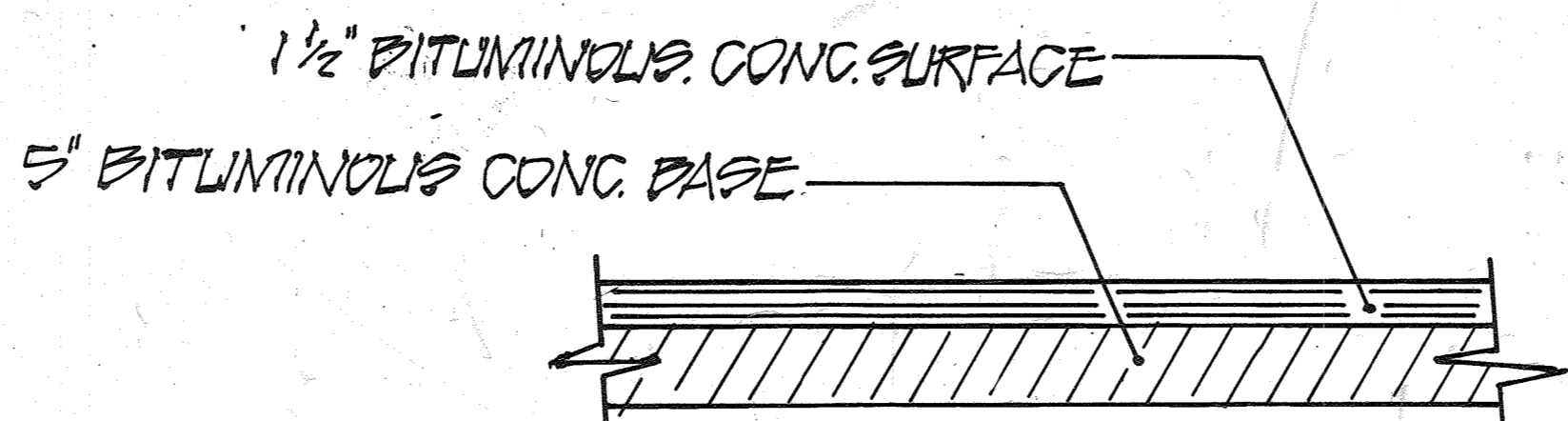
STANDARD CONCRETE STAIRS
STANDARD R-12.01



STANDARD P-3 PAVING SECTION
STANDARD R-2.01
(USE FOR DRIVEWAY WITHIN BEAVERKILL ROAD R/W)



STANDARD P-1 PAVING SECTION
STANDARD R-2.01
(USE FOR PARKING AREAS)

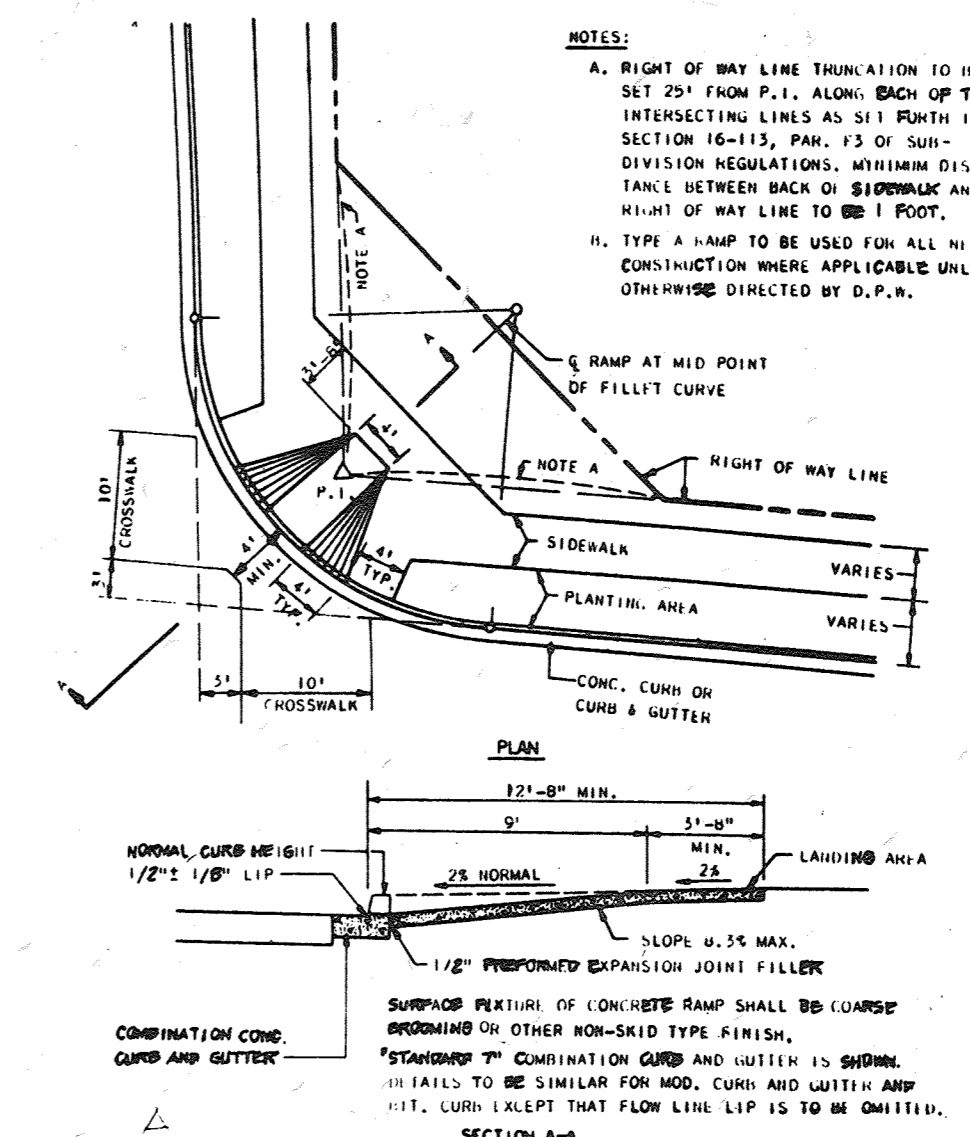


STANDARD P-2 PAVING SECTION
STANDARD R-2.01
(USE FOR DRIVEWAYS)

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Thomas F. Nunn 9-23-81 DATE
James R. Ray 9/23/81 DATE
CHIEF BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS/HOWARD COUNTY HEALTH DEPT.
James R. Ray 10-6-81 DATE
COUNTY HEALTH OFFICER

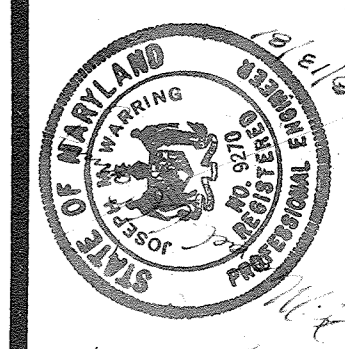
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James R. Ray 10-6-81 DATE
John M. ... 10-6-81 DATE
PLANNING DIRECTOR CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION



STANDARD RAMP "A"
STANDARD R-4.01

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 7-15-81

SDP-81-189



WARRING ASSOCIATES
4920 Niagara Road
College Park, Maryland
(301) 345-0400

GRIMM & PARKER ARCHITECTS
7411 RIGGS RD. ADELPHI, MARYLAND 20783 (301) 439-9800
115 KING ST. ALEXANDRIA, VIRGINIA 22314 (703) 548-4333



SITE DETAILS
HOWARD COUNTY
SENIOR CITIZEN
CENTER

L2
DATE 2-9-10

SEDIMENT TRAP No 2
 EX DRAINAGE AREA = 1.2 AC
 PROP DRAINAGE AREA = 0.8 AC
 REQUIRED STORAGE = 1.2 x 67 x 27 = 2170 CF
 STORAGE PROVIDED = 2244 CF
 DIMENSION = 3' x 40' x 28'

TEMP. STONE OUTLET STRUCTURE
 L=10'

20' EASEMENT FOR SEWER MAIN AND UTILITIES
 LIBER 1066, FOLIO 534 AND PLAT 4866

- 10' RIGHT OF WAY FOR STORM DRAIN AND UTILITIES, LIBER 1090, FOLIO 97 FOR INSTALLATION OF OFF-SITE STORM DRAINING:
 1. MAXIMUM 50' L.F. OF TRENCH SHALL REMAIN OPEN AT ONE TIME!
 2. DISTURB ONLY AREA NECESSARY FOR STORM DRAIN INSTALLATION & STABILIZE WITH PERMANENT SEEPIG IMMEDIATELY FOLLOWING COMPLETION OF WORK.
 3. NO SEDIMENT SHALL BE PERMITTED TO FLOW INTO STREET OR ADJACENT PROPERTY. INSTALL TEMPORARY STRAW BALE DIKE IF REQUIRED BY INSPECTOR.

20' EASEMENT FOR A WATER MAIN AND UTILITIES PLAT G475

TEMP. STONE OUTLET STRUCTURE
 L=10' PRIVATE 10" SEWER ESMT, PLAT 13049

PRIVATE USE-IN-COMMON ACCESS AND PARKING EASEMENT PLAT 13049

33' EASEMENT FOR INGRESS AND EGRESS PLAT #5289

SEDIMENT TRAP No 1
 EX DRAINAGE AREA = 1.1 ACRES
 PROP DRAINAGE AREA = 1.0 ACRES
 REQUIRED STORAGE = 1.6 x 67 x 27 = 2825 CF
 STORAGE PROVIDED = 2943 CF
 DIMENSION = 3' x 15' x 115'

TEMP STABILIZED CONSTRUCTION ENTRANCE

TEMP STRAW BALE DIKE

TEMP MOUNTABLE DIVERSION DIKE

TEMP DIVERSION DIKE

SEE SITE PLAN, SHEET L-1, FOR LATEST PROPOSED GRADING CONTOURS AND SPOT ELEVATIONS.

LOT 2
 VILLAGE OF HARPERS CHOICE
 SECTION 5 AREA 2

ZONED NEW TOWN OPEN SPACE
 PLAT BOOK 18 FOLIO 12

OWNER/DEVELOPER: HOWARD CO. DPW
 MR. JAY PATEL - PROJECT MANAGER
 9250 BENDIX RD.
 COLUMBIA, MD. 21045
 410-313-6160

NOTE: ALL NEW INLETS SHALL BE PROTECTED BY TEMPORARY SAND BAG DIKES DURING CONSTRUCTION; SEE DETAIL, SHEET L-4.

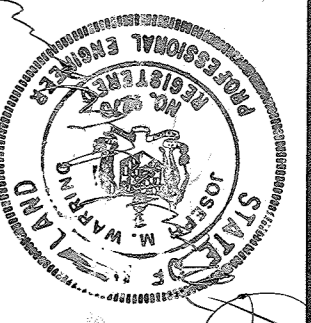
LEGEND

- EX DRAINAGE DITCH
- PROP DRAINAGE DITCH
- TEMP DIVERSION DIKE
- TEMP MOUNTABLE DIVERSION DIKE
- TEMP STRAW BALE DIKE

DEVELOPERS CERTIFICATIONS:
 I/WE CERTIFY THAT ALL DEVELOPMENT 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.
 DATE: 9/23/81 SIGN: J. Michael Warring & P. Ray

ENGINEERS CERTIFICATION:
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A WORKABLE AND PRACTICAL PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 DATE: 4/2/81 SIGN: J. Michael Warring (PE No. 9270) J. MICHAEL WARRING

VICINITY MAP
 Scale: 1" = 1400'



REVIEWED FOR
 NAME: HOWARD CO. S.C.D.
 AND MEETS TECHNICAL REQUIREMENTS
 SIGNATURE: J. Michael Warring
 U.S. SOIL CONSERVATION SERVICE DATE: 9-15-81

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: William J. Rowe
 HOWARD CO. S.C.D. DATE: 9-15-81

VILLAGE OF HARPERS CHOICE
 Parcel A' Section 5 Area 2
 Clarksville Election District #5
 Howard County, Maryland
 2490 Court House Drive
 Ellicott City, Md. 21043

1) FOR DETAILS, NOTES AND SEQUENCE OF CONSTRUCTION SEE SHEET

2) SEE SITE PLAN FOR LATEST REVISIONS OF GRADING. NO GRADING SHALL BE DONE FROM PROPOSED CONTOURS OR ELEVATIONS SHOWN ON THIS SHEET.

3) ALL DISTURBED AREAS SHALL BE CONSIDERED POTENTIALLY SILT-PRODUCING AND SHALL BE TREATED IN ACCORDANCE WITH VARIOUS STANDARDS & SPECIFICATIONS SHOWN ON SHEETS L-4 AND L-5.

APPROVED
 PLANNING BOARD OF HOWARD COUNTY
 DATE: 7-15-81
 Signature: J. Michael Warring

PARCEL D
 VILLAGE OF HARPERS CHOICE
 SECTION 5 AREA 2
 PLAT BOOK 18 FOLIO 12
 ZONE: D NEW TOWN COMMERCIAL

LIMIT OF DISTURBANCE
 4,940 SF

EX. BUILDING

TEMP STABILIZED CONSTRUCTION ENTRANCE

EX. 8" Sewer
 Contract 400

APPROVED: FOR PUBLIC WATER & SEWERAGE AND STORM DRAIN SYSTEMS AND ROADS.
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 DATE: 9-23-81
 SIGNATURE: J. Michael Warring
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 10-6-81
 SIGNATURE: J. Michael Warring
 COUNTY HEALTH OFFICER

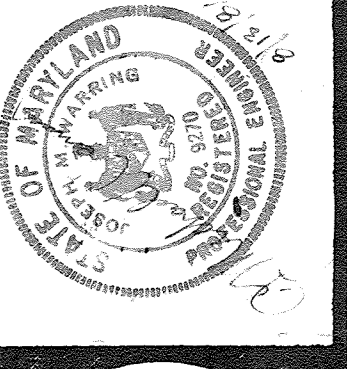
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE: 10-6-81
 SIGNATURE: J. Michael Warring
 PLANNING DIRECTOR

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 DATE: 10-6-81
 SIGNATURE: J. Michael Warring
 CHIEF

NO.	DATE	REVISION
1	8-22-02	ADDED 3167 SF ADDITION TO EXISTING BUILDING

NO.	DATE	REVISION
1	8-22-02	ADDED 3,167 SF ADDITION TO EXISTING BUILDING

WARRING ASSOCIATES
 4920 Niagara Road
 College Park, Maryland
 (301) 345-0400



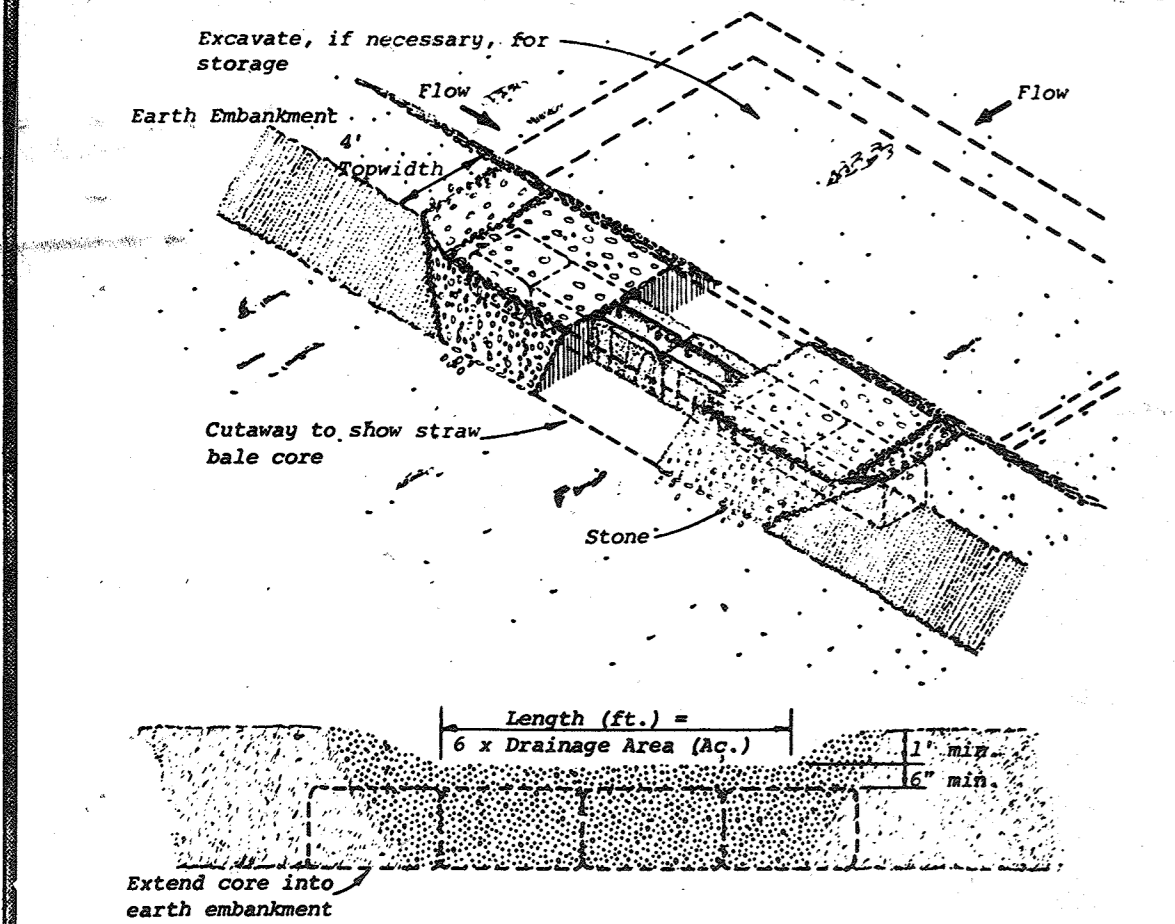
GRIMM & PARKER ARCHITECTS
 7411 RIGGS RD. ADELPHI, MARYLAND 20783 (301) 439-9800
 115 KING ST. ALEXANDRIA, VIRGINIA 22314 (703) 548-4333



Sediment Control Plan
 Howard County Senior
 Citizen Center
 Howard County, Maryland

DRAWING NO.
 L3
 DWG. 30=10
 DATE: 9-10-81

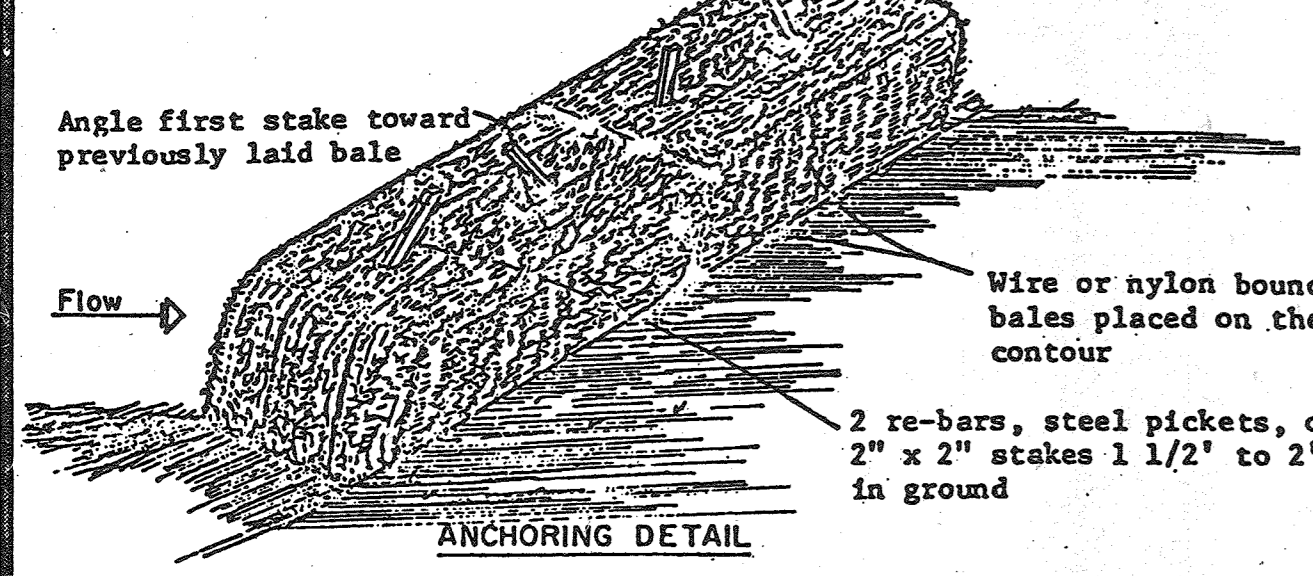
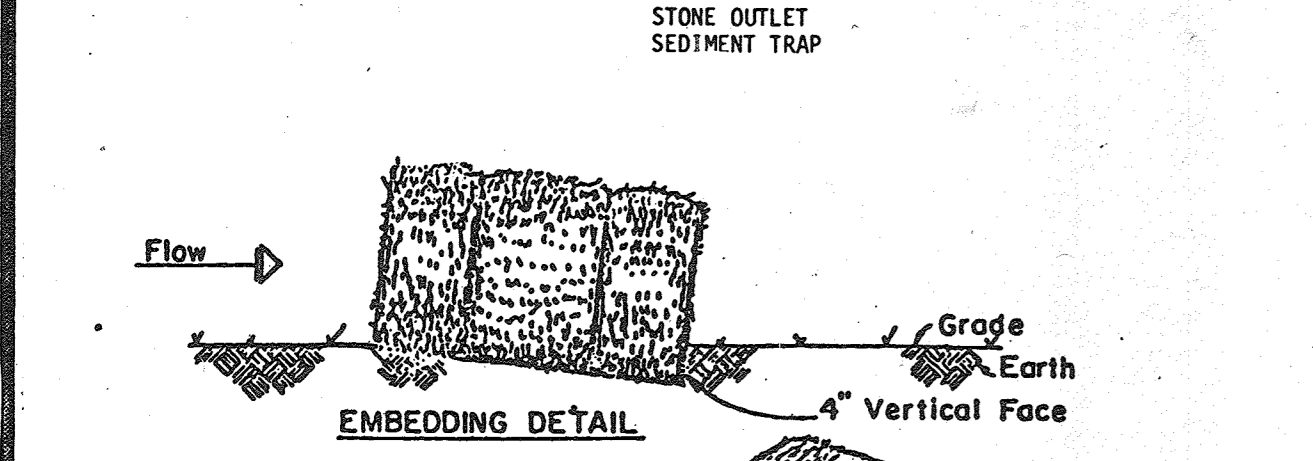
SDP-81-189



NOTE - Drawings show straw bales used for core. Bales are anchored as per Standard and Specifications for Straw Bale Dike. Other materials (e.g., timber or concrete block) may also be used for core. Firmly anchor all core material to ground.

Construction Specifications

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- All cut and fill slopes shall be 2:1 or flatter.
- The crushed stone used in the outlet shall meet AASHTO designation M43, Size No. 2 or 24 or its equivalent such as MSHA No. 2. Gravel, meeting the above gradation, may be used if crushed stone is not available. Crusher run is not acceptable.



Construction Specifications

- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of 4" on one side.
- Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
- Inspection shall be frequent and repair or replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

* Drainage area less than 1/2 acre.

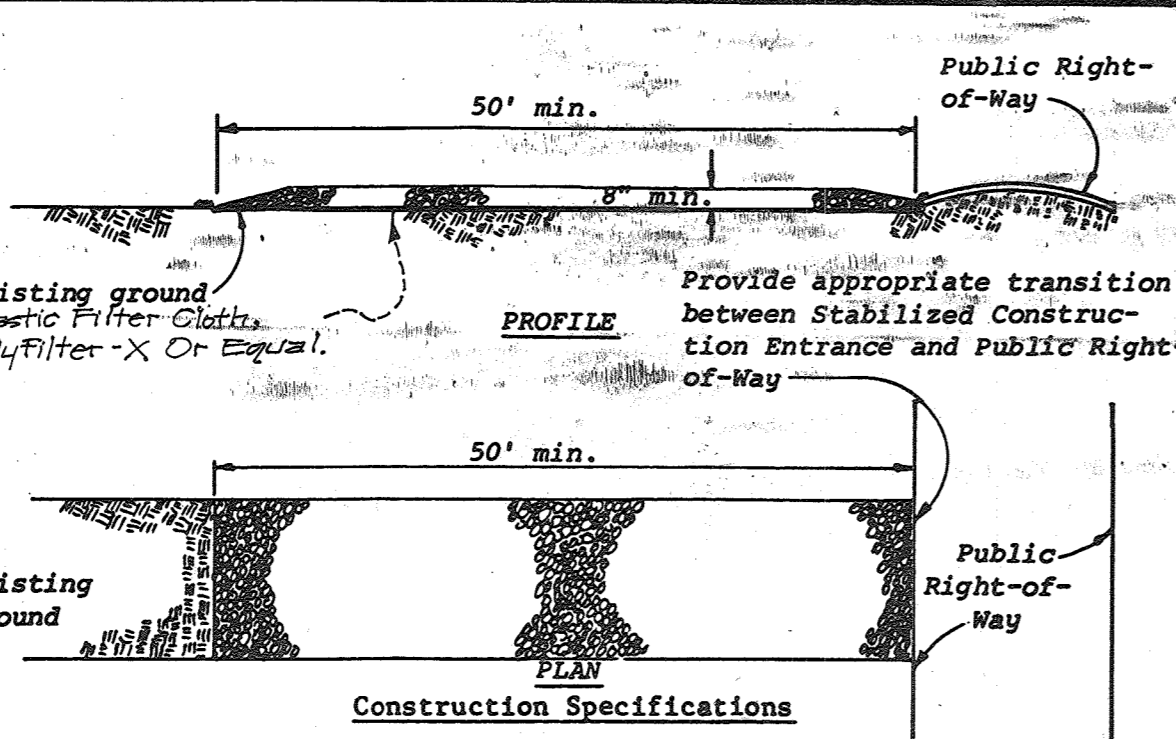
STRAW BALE DIKE EMBEDDING DETAIL - OPTIONAL METHOD

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAIN DRAINAGE AND ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE 9-23-81

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE 10-1-81

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE 10-6-81

APPROVED: CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION DATE 10-6-81



STABILIZED CONSTRUCTION ENTRANCE

STANDARD AND SPECIFICATIONS FOR CRITICAL AREA STABILIZATION (With Temporary Seeding)

Definition
Planting short-term vegetation on critical areas.

Purpose
To stabilize the soil; to reduce damages from sediment and runoff to downstream areas; improve wildlife habitat; enhance natural beauty.

Conditions Where Practice Applies
On graded or cleared areas which are subject to erosion for a year or less; permanent structures are to be installed or extensive grading of the area will be done prior to establishment of permanent vegetation.

SPECIFICATIONS

I. Site Preparation

- Prior to seeding, install needed erosion control practices such as diversions, grade stabilization structures, berms, dikes, level spreaders, grassed waterways, and sediment basins.
- Final grading and shaping has usually not been completed for temporary seedings.

II. Soil Amendments

For temporary seedings, fertilizer shall be applied at the rate of 600 lbs./ac. or 15 lbs./1000 sq. ft., using 10-20-10 or equivalent. Soils which are known to be highly acid should be limed.

III. Seedbed Preparation

When the area to be seeded has been recently loosened to the extent that an adequate seedbed exists, no additional treatment is required.

However, when the area to be seeded is packed, crusted, and hard, the top layer of soil shall be loosened by disking, raking or other acceptable means before seeding.

IV. Seeding

- Select a mixture from Table 50-1.
- Apply seed uniformly with a hydroseeder (slurry includes seed and fertilizer).

When seedings are made on critical sites or adverse soil conditions, other than optimum seeding dates, mulch material will be applied immediately after seeding. Seedings made during optimum seeding dates and with favorable soils and site conditions will not need to be mulched.

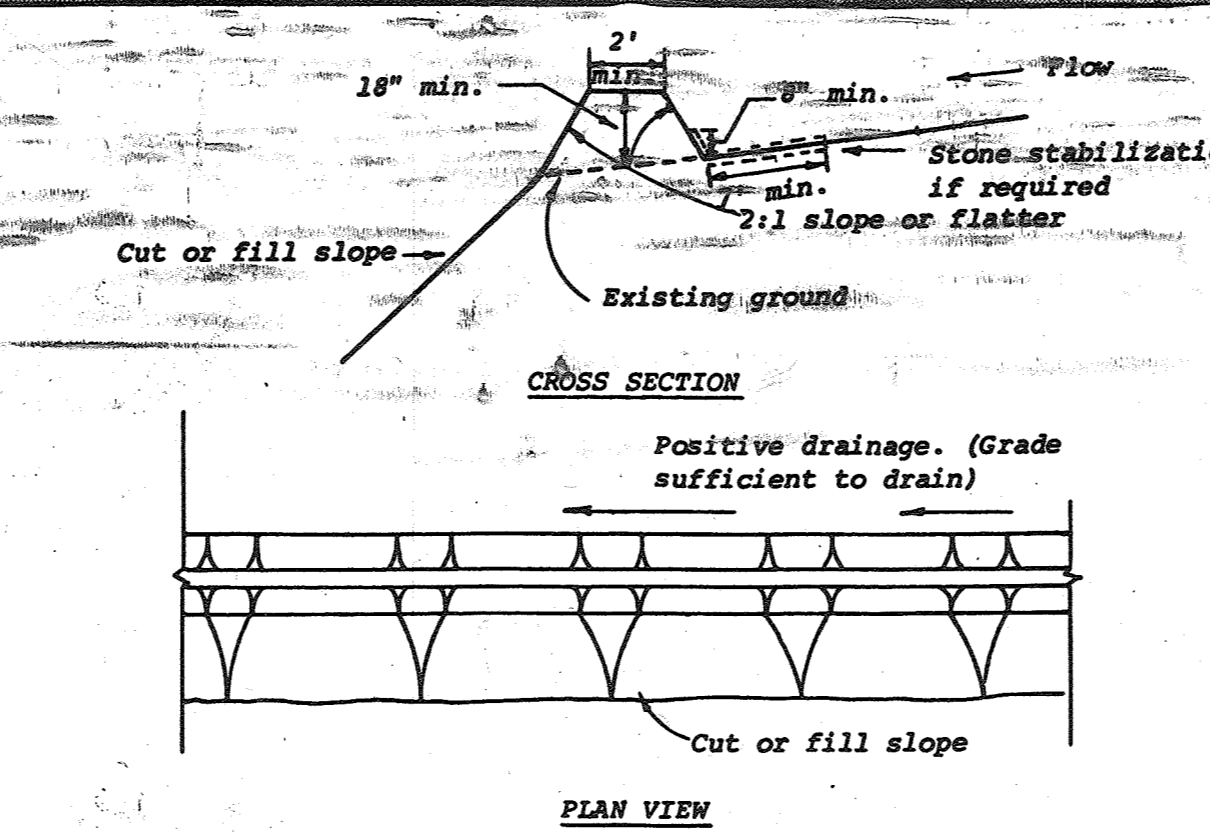
V. Mulching

A. Materials and Amounts

- Straw** - Material shall be unrotted small grain straw applied at the rate of 1-1/2 to 2 tons per acre, or 70 to 90 pounds per 1,000 sq. ft. Mulch materials shall be relatively free of all kinds of weeds and shall be free of prohibited noxious weeds which are: Canada thistle, Johnsongrass and quackgrass.

Spread uniformly by hand or mechanically. For uniform distribution of hand spread mulch, divide area into approximately 1,000 sq. ft. section and place 70-90 lbs. of mulch in each section.

2. Mulch nettings such as jute or excelsior blanket may be used. Staple to surface in waterways and on steep slopes. Lighter materials of paper, plastic and cotton mulch nettings may be used where erosion hazard is not severe. If area is to be mowed, do not use metal staples.



DIVERSION DIKE

Construction Specifications.

- All dikes shall be machine compacted.
- All diversion dikes shall have positive drainage to an outlet.
- A. Diverted runoff from a protected or stabilized area shall outlet directly to an undisturbed stabilized area or into a level spreader or grade stabilization structure.
- B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
- Stabilization, as specified by the plans, shall be: (1) in accordance with Standard and Specifications for Grassed Waterway, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSHA size No. 2 or AASHTO M43 size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on the drawing above.
- Periodic inspection and required maintenance shall be provided.

B. Mulch anchoring shall be accomplished immediately after mulch placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon size of area, erosion hazard, and cost. On sloping land, practice No. 3 below, should be done on the contour wherever possible, except "tracking" should be done up and down the slope with 1-1/2 inch cleat marks running across the slope.

1. Peg and Twine - Drive 8 to 10-inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross within a square pattern. Secure twine around each peg with two or more round turns.

Liquid Mulch Binders

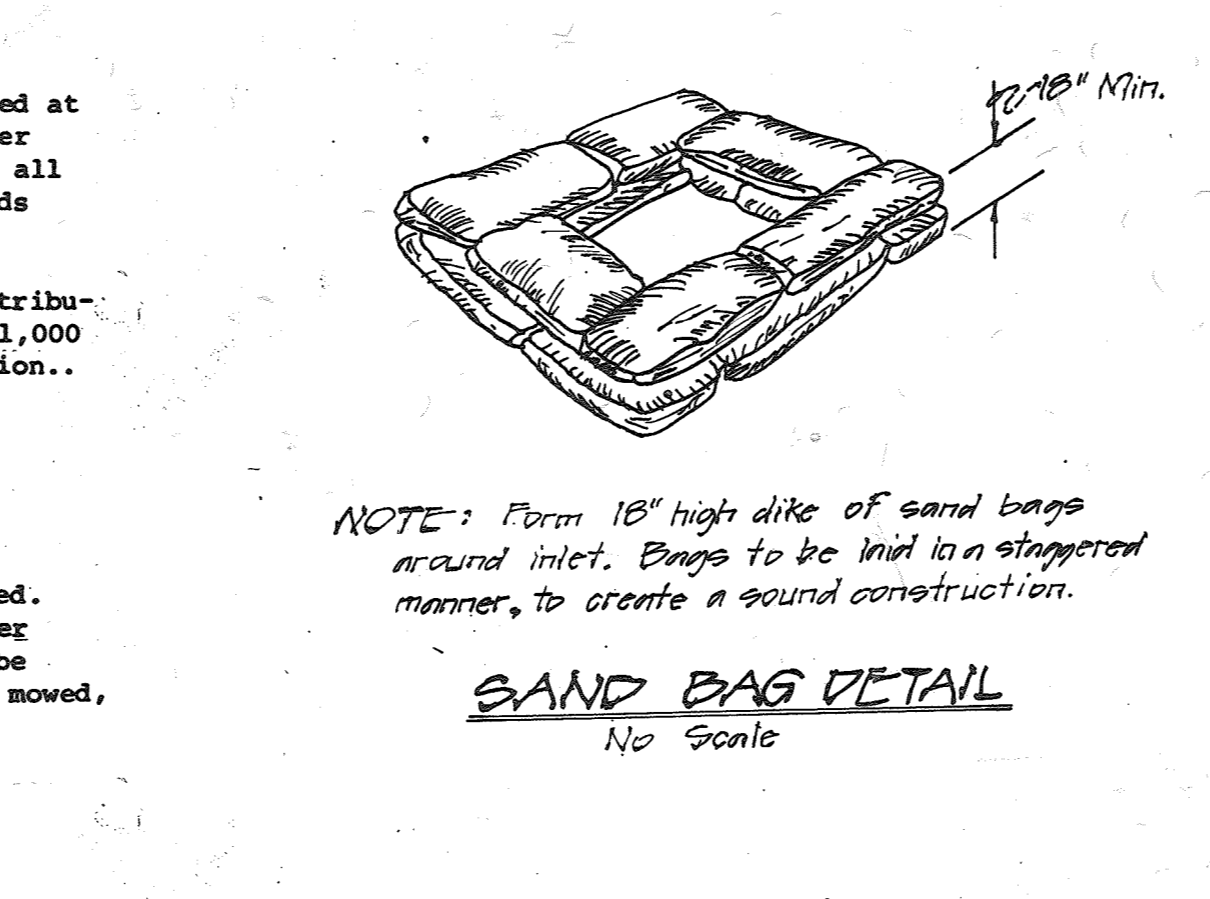
Applications of liquid binders should be heavier at edges where wind catches mulch, in valleys, and at crests of banks. Remainder of area should be uniform in appearance. Caution should be used with asphalt in residential and similar areas.

- Cutback asphalt - rapid curing (RC-70, RC-250, and RC-800)** or medium curing (MC-250 or MC-800). Apply 5 gallons per 1,000 sq. ft. or 218 gallons per acre on flat areas, and on slopes less than 8 feet high. On slopes 8 feet or more high, use 8 gallons per 1,000 sq. ft. or 348 gallons per acre.
- Emulsified asphalt - (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2).** Apply 5 gallons per 1,000 sq. ft. or 218 gallons per acre on flat areas and on slopes less than 8 feet high. On slopes 8 ft. or more high, use 8 gallons per 1,000 sq. ft. or 348 gallons per acre.

All asphalt designations are from the Asphalt Institute Specifications.

c. Synthetic binders - Synthetic binders such as Curasol, DCA-70, Petroset and Terra Tack may be used at rates recommended by the manufacturer to anchor mulch material.

Note: All names given above are registered trade names. This does not constitute a recommendation of these products to the exclusion of other products.



STANDARD AND SPECIFICATIONS FOR CRITICAL AREA STABILIZATION (With Mulching Only)

Definition
Applying plant residues or other suitable materials-not produced on the site to the soil surface.

Purpose
To conserve moisture; prevent surface compaction or crusting; reduce runoff and erosion; control weeds; and help establish plant cover.

Conditions Where Practice Applies
On graded or cleared areas (not to finished condition) which are subject to erosion for 6 months or less; where seedings may not have a suitable growing season to produce an erosion retardant cover, but which can be stabilized with a mulch cover.

SPECIFICATIONS

I. Site Preparation

- Prior to mulching, install needed erosion control practices such as diversions, grade stabilization structures, berms, dikes, level spreaders, grassed waterways and sediment basins.
- Final grading is not required prior to mulching. However, mulching may be applied after final grade is reached.

II. Mulching

A. Materials and Amounts

- Straw** - Straw shall be unrotted small grain straw applied at the rate of 1-1/2 to 2 tons per acre, or 70 to 90 pounds per 1,000 sq. ft. Mulch materials shall be relatively free of all kinds of weeds and shall be free of prohibited noxious weeds which are: Canada thistle, Johnsongrass and quackgrass.

Spread uniformly by hand or mechanically. For uniform distribution of hand spread mulch, divide area into approximately 1,000 sq. ft. section and place 70-90 lbs. of mulch in each section.

- Asphalt emulsions
- Synthetic binders

2. Mulch nettings such as jute or excelsior blanket may be used. Staple to surface in waterways and on steep slopes. Lighter materials of paper, plastic and cotton mulch nettings may be used where erosion hazard is not severe. If area is to be mowed, do not use metal staples.

Mulch anchoring shall be accomplished immediately after mulch placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon size of area, erosion hazard, and cost. On sloping land, practice No. 3 below, should be done on the contour wherever possible. Applies to straw and to wood chips on more critical sites, except "tracking" should be done up and down the slope with 1-1/2" cleats making grooves across the slope.

- Peg and Twine** - Drive 8 to 10-inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross within a square pattern. Secure twine around each peg with two or more round turns.

Liquid Mulch Binders

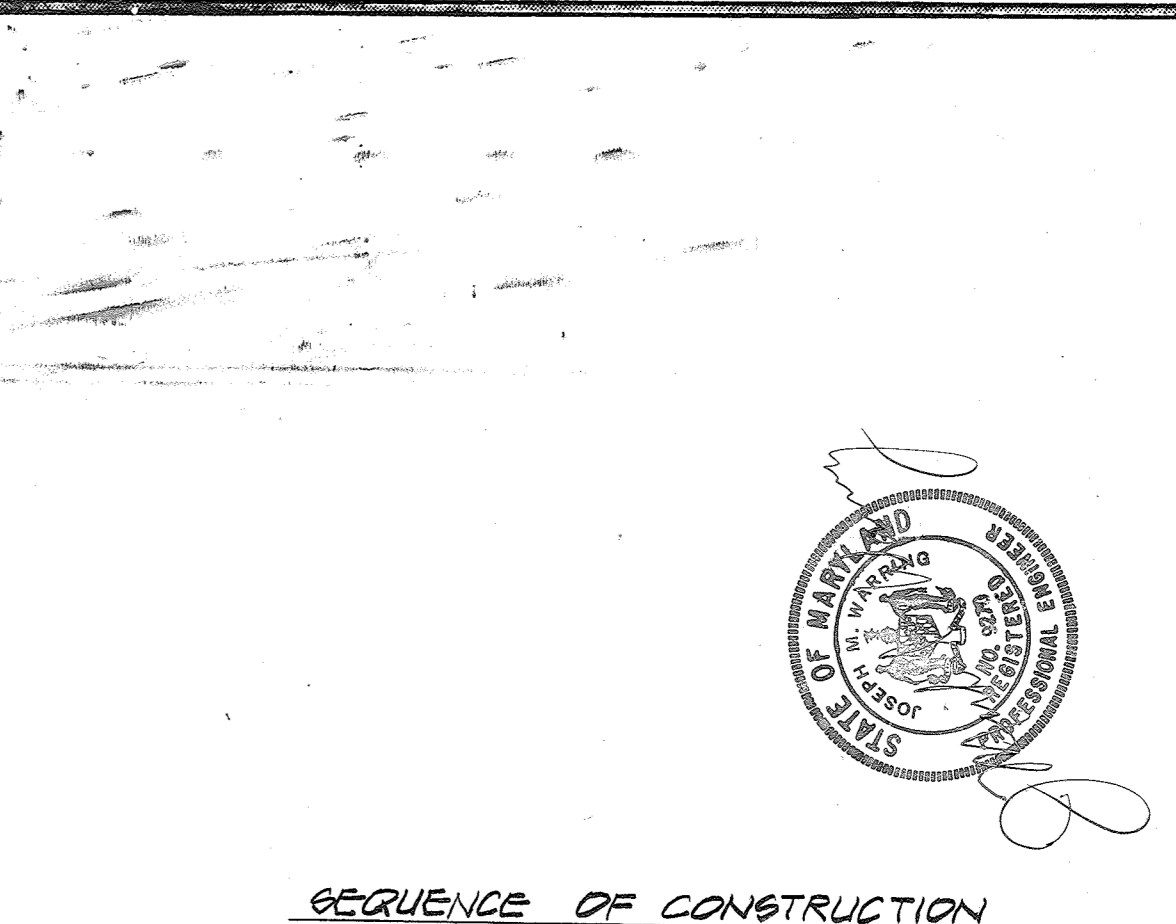
Applications of liquid binders should be heavier at edges where wind catches mulch, in valleys, and at crests of banks. Remainder of area should be uniform in appearance. Caution should be used with asphalt in residential and similar areas.

- Cutback asphalt - rapid curing (RC-70, RC-250 and RC-800)** or medium curing (MC-250 or MC-800). Apply 5 gallons per 1,000 sq. ft. or 200 gallons per acre on flat areas and on slopes less than 8 feet high. On slopes 8 feet or more high, use 8 gallons per 1,000 sq. ft. or 348 gallons per acre.
- Emulsified asphalt - (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2).** Apply 5 gallons per 1,000 sq. ft. or 200 gallons per acre on flat areas and on slopes less than 8 feet high. On slopes 8 ft. or more high, use 8 gallons per 1,000 sq. ft. or 348 gallons per acre.

All asphalt designations are from the Asphalt Institute Specifications.

c. Synthetic binders - Synthetic binders such as Curasol, DCA-70, Petroset and Terra Tack may be used at rates recommended by the manufacturer to anchor mulch material.

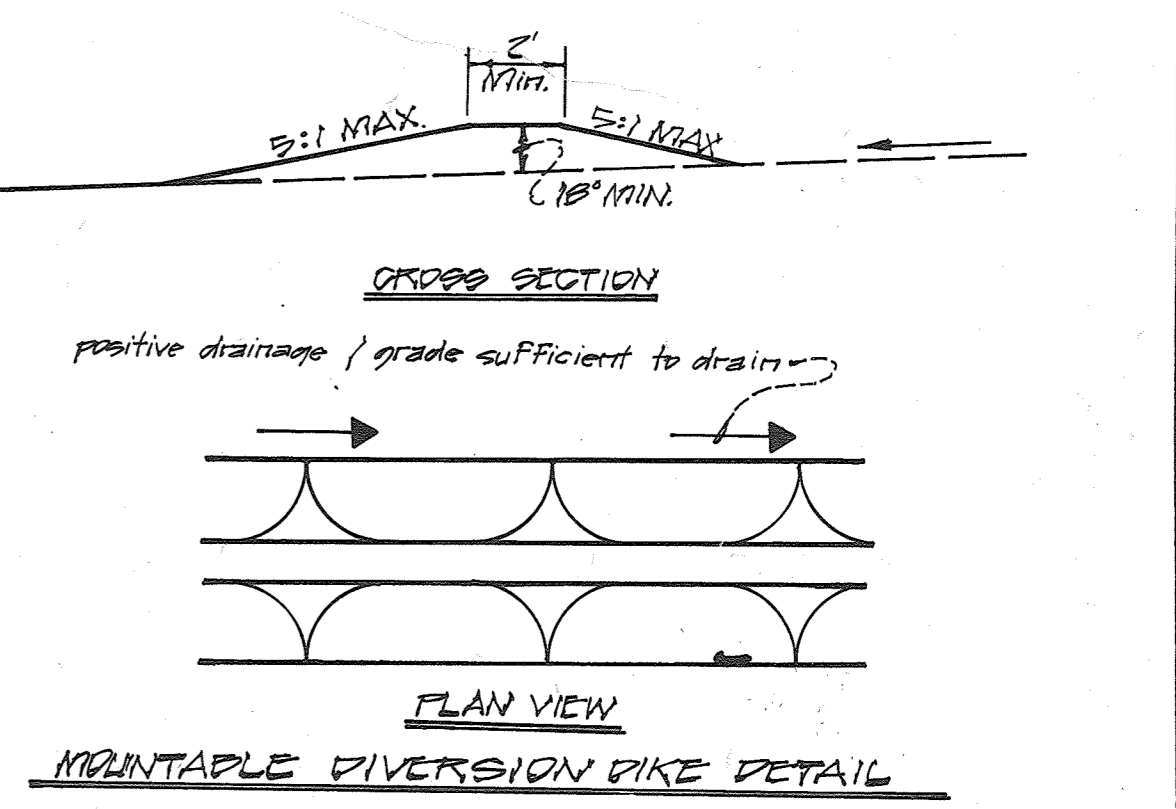
Note: All names given above are registered trade names. This does not constitute a recommendation of these products to the exclusion of other products.



SEQUENCE OF CONSTRUCTION

JULY 1981 Install Sediment Control
 JULY 1981 Rough Grade Site
 AUG. 1981 Begin Bldg. Construction
 SEPT. 1981 Install Water & Sewer
 NOV. 1981 Install Storm Drain

FEB. 1982 Install Curb & Gutter
 APRIL 1982 Fine Grade Site
 APRIL 1982 Begin Paving
 MAY 1982 Stabilize Site
 JUNE 1982 Remove Sediment Control
 CONTINUAL Maintenance



APPROVED PLANNING BOARD OF HOWARD COUNTY
 DATE 7-15-81
 JMM

REVIEWED FOR HOWARD COUNTY S.O.D. AND NEEDED TECHNICAL REQUIREMENTS
 DATE 7-15-81
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE 9-15-81
 HOWARD CO. S.O.D.

VILLAGE OF HARTERS CHOICE Parcel A Section 5 Area B Clarkeville Election District # 5 Howard County, Maryland 21040 Court House Drive Ellicott City, Md. 21042

WARRING ASSOCIATES
 4920 Niagara Road
 College Park, Maryland
 (301) 345-0400

GRIMM & PARKER ARCHITECTS
 7411 RIGGS RD. • ADELPHI, MARYLAND 20783 (301) 439-9800
 115 KING ST. • ALEXANDRIA, VIRGINIA 22314 (703) 548-4333

Sediment Control Plan
 Howard County Senior
 Citizen Center
 Howard County, Maryland

L4
 DWG 4 of 10
 DATE 9-10-81

Definition

Stabilizing silt-producing areas by establishing long-term stands of grass with sod.

Purpose

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

Conditions Where Practice Applies

On exposed soils that have a potential for causing off-site environmental damage where a quick vegetative cover is desired; on sites which can be maintained with ground equipment. (2:1 or flatter slopes)

SPECIFICATIONS

- 1. Class of 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 thickness of 3/4 inch, plus or minus 1/4 inch, at the time of cutting. Measurement 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 their size and shape when suspended vertically from a firm grasp on the upper 10% of the section.
4. Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard widths and lengths shall be 5%. Broken pads and torn or uneven 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 by the contracting officer or his designated representative 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 and the contracting officer agrees, fertilizer and lime materials may be applied in amounts shown under B. and C., 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.
B. Where the soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 100 pounds per 1,000 square feet. In all soils 30 pounds of 5-10-5, or equivalent, per 1,000 square feet shall be uniformly applied and mixed into the top 3 inches of soil with the required lime.
C. Slow release nitrogen at the rate of 3.5 lbs. N/1000 square feet shall be applied to the prepared soil just prior to sod installation. This material shall be approximately 1/3 immediately available and 2/3 water insoluble nitrogen. Urea formaldehyde (UF) and isobutylidene urea (IBDU) meet these standards.

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 drying 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 joints. Secure the sod by tamping and pegging or other approved methods.
D. 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 any piece of sod shall be completed within eight hours.

Temporary Seedings by Rates, Depths and Dates

Table with columns for Species, Seeding Rate (Per Acre, Lbs/1000 sq. ft.), Planting Depth (Inches), and Seeding Dates (COASTAL PLAIN, PIEDMONT, MOUNTAINS) for various grass types like Barley, Oats, Rye, Italian or perennial ryegrass, Millet, Weeping, Boer, or Lehmann's lovegrass, and Sudangrass.

- 1/ Use only on areas where seed stalks and volunteer growth are acceptable.
2/ Applicable on slopes 3:1 or less.
3/ Use varieties currently recommended for Maryland. Use certified seed when available.
4/ Use common sudangrass varieties only. Do not use hybrids.
5/ Twenty pounds per acre of annual lespedeza may be added to 1/2 the seeding rate of any species used for spring seedings.
6/ Between fall and spring seeding dates, use mulching only or sodding practices
x Applicable during entire period.
- Not applicable in period.

Definition

Planting vegetation such as grasses and legumes on critical areas.

Purpose

To stabilize the soil; to reduce damages from sediment and runoff to downstream areas; improve wildlife habitat; enhance natural beauty.

Conditions Where Practices Apply

Graded or cleared areas subject to erosion and where a permanent, long-lived vegetative cover is needed.

SPECIFICATIONS

Vegetation cannot be expected to provide an erosion control cover and prevent soil slippage on a soil that is not stable due to its texture, structure, water movement or excessive slope.

Minimum soil conditions needed for the establishment and maintenance of a long-lived vegetative cover:

- A. Enough fine-grained materials (over 30 percent silt plus clay) to provide the capacity to hold at least a moderate amount of available moisture. Noticeable exception would be planting lovegrass and sericea lespedeza which can be planted on a sandier soil.
B. Sufficient pore space to permit adequate root penetration.
C. The soil shall be free from any material harmful to plant growth.
D. If these minimum conditions cannot be met, see specification, Topsoiling (57.01).

Site Preparation

- A. Install needed erosion control practices such as interceptor dikes, berms and spreaders, contour ripping, erosion stops, channel liners and sediment basins.
B. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, anchoring and maintenance.

Seedbed Preparation

Flat areas and slopes up to 3 to 1 grade shall be loose and friable to a depth of at least 3 inches. The top layer of soil shall be loosened by raking, discing or other acceptable means before seeding.

Slopes steeper than 3 to 1 shall have the top 1-3 inches of soil loose and friable before seeding.

Soil Amendments

Lime and fertilize according to soil tests. Lime and fertilizer needs can be determined by a soil testing laboratory, such as the University of Maryland's Soil Testing Laboratory.

In lieu of soil test results, apply 2 tons dolomitic limestone and 600 pounds 0-20-20, or equivalent per acre before seeding. Harrow or disc lime and 0-20-20, or equivalent fertilizer uniformly into the soil to minimum depth of 3 inches on slopes flatter than 3 to 1. On slopes of greater than 3 to 1 grade, the lime and fertilizer shall be worked in as directed by the contracting officer. On sloping land, the final harrowing or discing operation should be on the contour wherever feasible. No attempt should be made to drag any disced area to make the soil surface very smooth after discing. At time of seeding, apply 400 pounds 38-0-0 ureaform fertilizer and 500 pounds 10-20-20, or equivalent fertilizer per acre. For mixtures containing perennial legumes, the 500 pounds of 10-20-20 may be omitted.

Seeding

- A. Select a mixture from table 51-1.
B. Apply seed uniformly with a hydroseeder (slurry includes seed and fertilizer), on a firm, moist seedbed. Maximum seeding depth should be 1/4 inch on clayey soils and 1/2 inch on sandy soils, when using other than hydroseeder method of application.

Mulching

Materials and Amounts

- 1. Straw - Straw shall be unrotted small grain straw applied at the rate of 1-1/2 to 2 tons per acre, or 70 to 90 pounds per 1,000 sq. ft. Mulch materials shall be relatively free of all kinds of weeds and shall be free of prohibited noxious weeds which are: Canada thistle, Johnsongrass and quackgrass.
Spread uniformly by hand or mechanically. For uniform distribution of hand spread mulch, divide area into approximately 1,000 sq. ft. section and place 70-90 lbs. of mulch in each section.

Spread uniformly by hand or mechanically. For uniform distribution of hand spread mulch, divide area into approximately 1,000 sq. ft. section and place 70-90 lbs. of mulch in each section.

- 2. Mulch nettings such as jute or excelsior blanket may be used. Staple to surface in waterways and on steep slopes. Lighter materials of paper, plastic and cotton mulch nettings may be used where erosion hazard is not severe. If area is to be mowed, do not use metal staples.

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

W. F. Hummer 9-23-81

DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

10-6-81

PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY OFFICE OF PLANNING & ZONING

10-6-81

PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

10-6-81

CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE

B. Mulch anchoring shall be accomplished immediately after mulch placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon size of area, erosion hazard, and cost. On sloping land, practice No. 3 below, should be done on the contour wherever possible. Applies to all straw and to wood chips or more critical sites, except "tracking" should be done up and down the slope with 1-1/2 inch cleat marks running across the slope.

- 1. Peg and Twine - Drive 8 to 10-inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross within a square pattern. Secure twine around each peg with two or more round turns.

Liquid Mulch Binders

Applications of liquid binders should be heavier at edges where wind catches mulch, in valleys, and at crests of banks. Remainder of area should be uniform in appearance. Caution should be used with asphalt in residential and similar areas.

- a. Cuthack asphalt - rapid curing (RC-70, RC-250, and RC-800) or medium curing (MC-250 or MC-800). Apply 5 gallons per 1,000 sq. ft. or 200 gallons per acre on flat areas, and on slopes less than 8 feet high. On slopes 8 feet or more high, use 8 gallons per 1,000 sq. ft. or 348 gallons per acre.
b. Emulsified asphalt (ES-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2). Apply 5 gallons per 1,000 sq. ft. or 200 gallons per acre on flat areas and on slopes less than 8 feet high. On slopes 8 feet or more high, use 8 gallons per 1,000 sq. ft. or 348 gallons per acre.

All asphalt designations are from the Asphalt Institute Specifications.

- c. Synthetic binders - Synthetic binders such as Curasol, DCA-70, Petroset and Tetra Tack may be used at rates recommended by the manufacturer to anchor mulch material.

Note: All names given above are registered trade names. This does not constitute a recommendation of these products to the exclusion of other products.

Irrigation

Supply new seedlings with adequate water for plant growth until they are firmly established. This is especially true when seedlings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.

Maintenance

Maintenance is a vital factor in maintaining an adequate vegetative erosion control cover. See Table 51-2.

- A. Irrigation - If soil moisture becomes deficient, irrigate to prevent loss of stand of protective vegetation.
B. Repairs - Inspect all seed areas for failures and make necessary repairs, replacements, and reseeding within the planting season, if possible.
1. If stand is inadequate for erosion control, overseed and fertilize using half of the rates originally applied.
2. If stand is over 60% damaged, reestablish following original lime, fertilizer, seedbed preparation and seeding recommendations.

APPROVED

PLANNING BOARD

OF HOWARD COUNTY

DATE 7-15-81

JMM

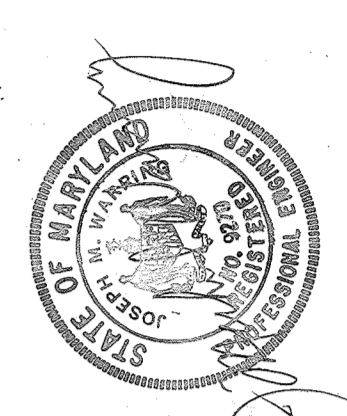
Permanent Seedings and Seeding Dates.

Table with columns for Mixture No., Seeding Mixture, Seeding Rate (Lbs/1000 sq. ft.), Seeding Dates (COASTAL PLAIN, PIEDMONT, MOUNTAINS) for various grass types like Kentucky 31, Weeping lovegrass, Korean lespedeza, Crownvetch, Droughty Areas, Poorly Drained Areas, and Lawns & High Maintenance Areas.

* Use certified seed only

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. William J. Rowe 9-15-81 HOWARD CO. S.C.D. DATE

REVIEWED FOR HOWARD CO. S.C.D. AND NEEDED TECHNICAL REQUIREMENTS. JMM 9-15-81 U.S. SOIL CONSERVATION SERVICE DATE



WARRING ASSOCIATES 4920 Niagara Road College Park, Maryland (301) 345-0400

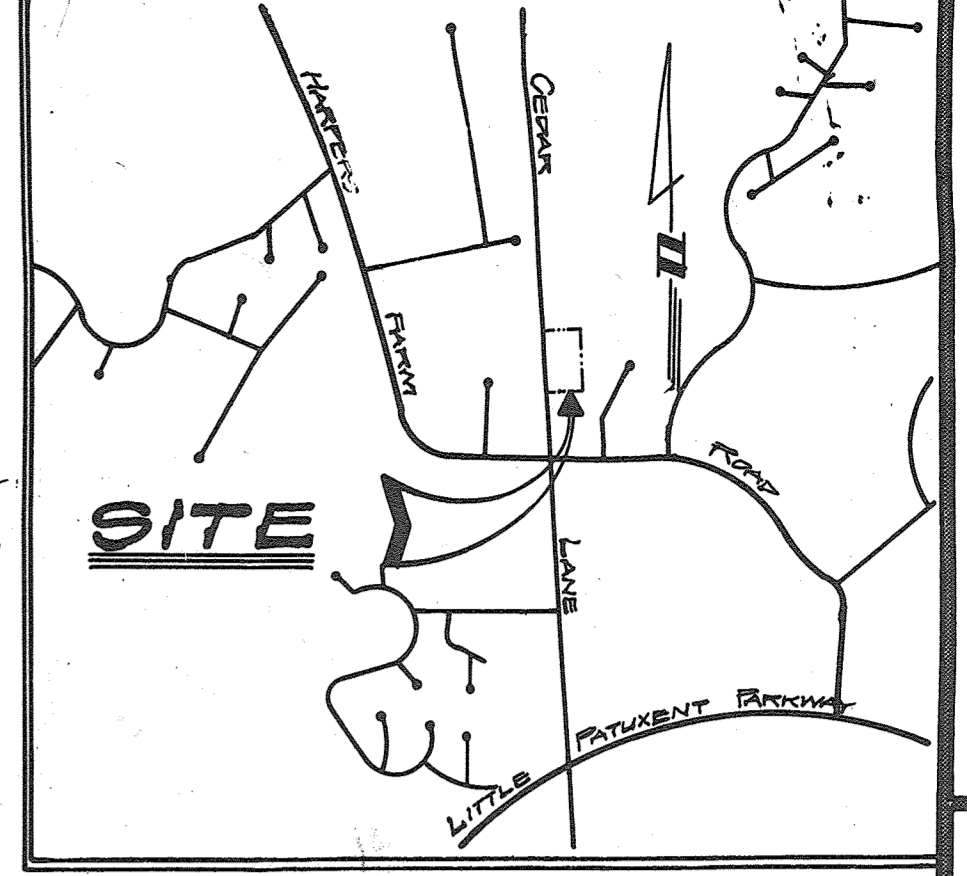
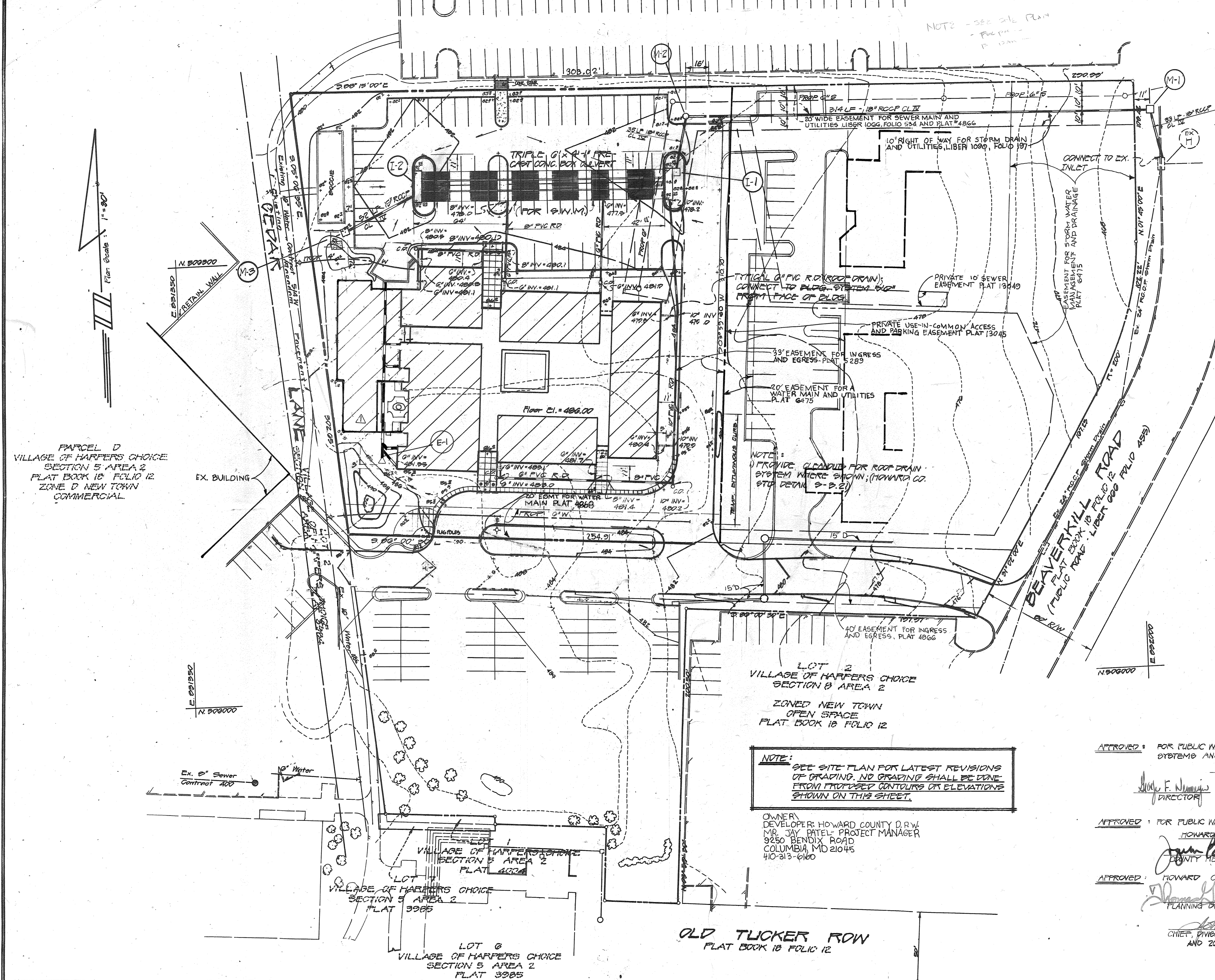


GRIMM & PARKER ARCHITECTS 7411 RIGGS RD. - ADELPHI, MARYLAND 20783 (301) 439-9800 115 KING ST. - ALEXANDRIA, VIRGINIA 22314 (703) 548-4333



Sediment Control Plan Howard County Senior Citizen Center Howard County, Maryland

L5 DWG 5 OF 10 DATE 9-10-81



VICINITY MAP
Scale: 1" = 1400'



PARCEL D
VILLAGE OF HARPER'S CHOICE
SECTION 5 AREA 2
PLAT BOOK 18 FOLIO 12
ZONE D NEW TOWN
COMMERCIAL

LOT 2
VILLAGE OF HARPER'S CHOICE
SECTION 5 AREA 2
ZONED NEW TOWN
OPEN SPACE
PLAT BOOK 18 FOLIO 12

NOTE:
SEE SITE PLAN FOR LATEST REVISIONS
OF GRADING. NO GRADING SHALL BE DONE
FROM PROPOSED CONTOURS OR ELEVATIONS
SHOWN ON THIS SHEET.

OWNER:
DEVELOPER: HOWARD COUNTY D.R.W.
MR. JAY PATEL: PROJECT MANAGER
9250 BENDIX ROAD
COLUMBIA, MD 21045
410-313-6160

NO.	DATE	REVISION
1	8-22-02	ADDED 3167 SF ADDITION TO EXISTING BUILDING

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 7-15-81

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: John F. Williams 9-23-81
 Date: 9-23-81 Chief, Bureau of Engineering: John F. Williams

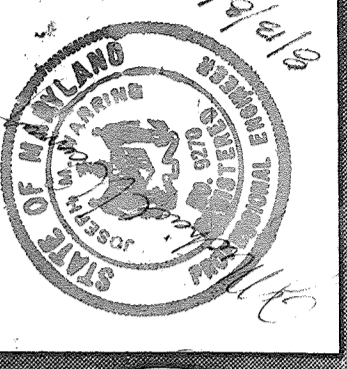
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY DEPARTMENT OF HEALTH
 County Health Officer: John F. Williams 10-6-81
 Date: 10-6-81

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Planning Director: John F. Williams 10-6-81
 Date: 10-6-81
 Chief, Division of Land Development and Zoning Administration: John F. Williams 10-9-81
 Date: 10-9-81

WARRING ASSOCIATES
ENGINEERS - SURVEYORS - PLANNERS
7411 RIGGS ROAD
SUITE 426 RIGGS BLDG.
HYATTSVILLE, MD. 20783
(301) 434-4444

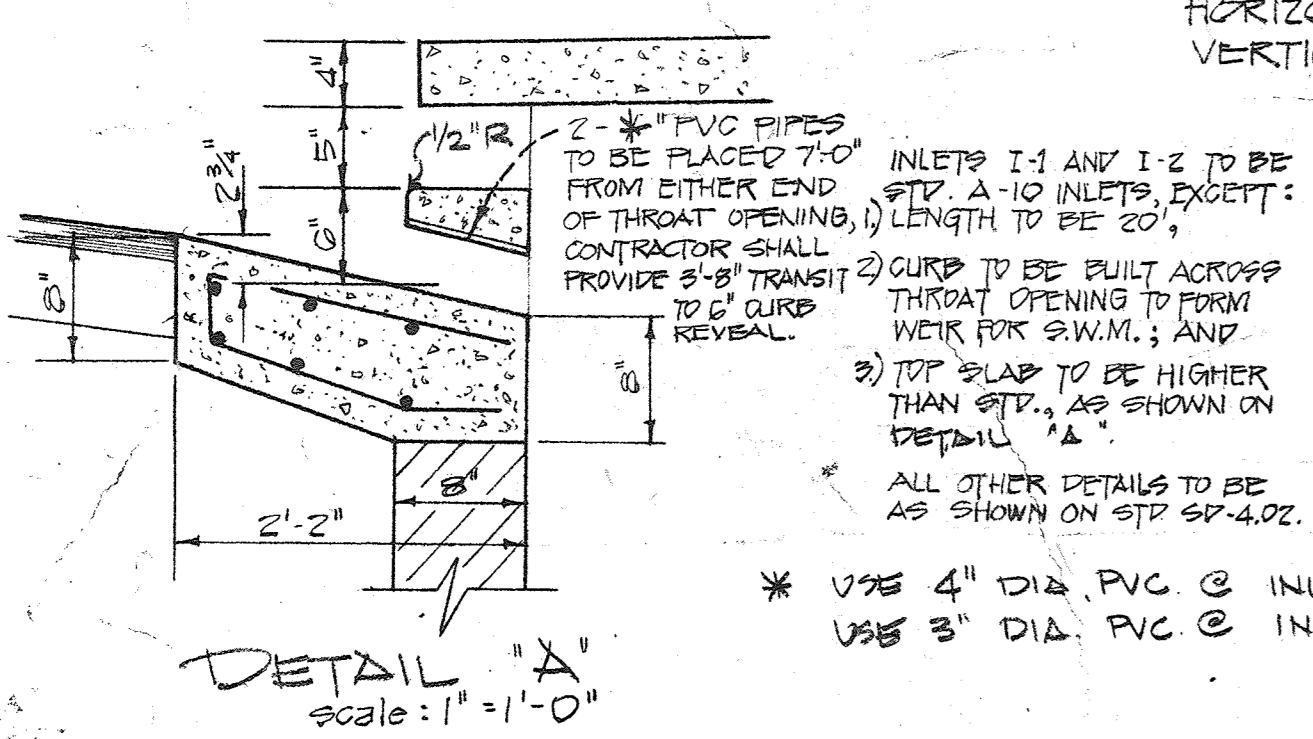
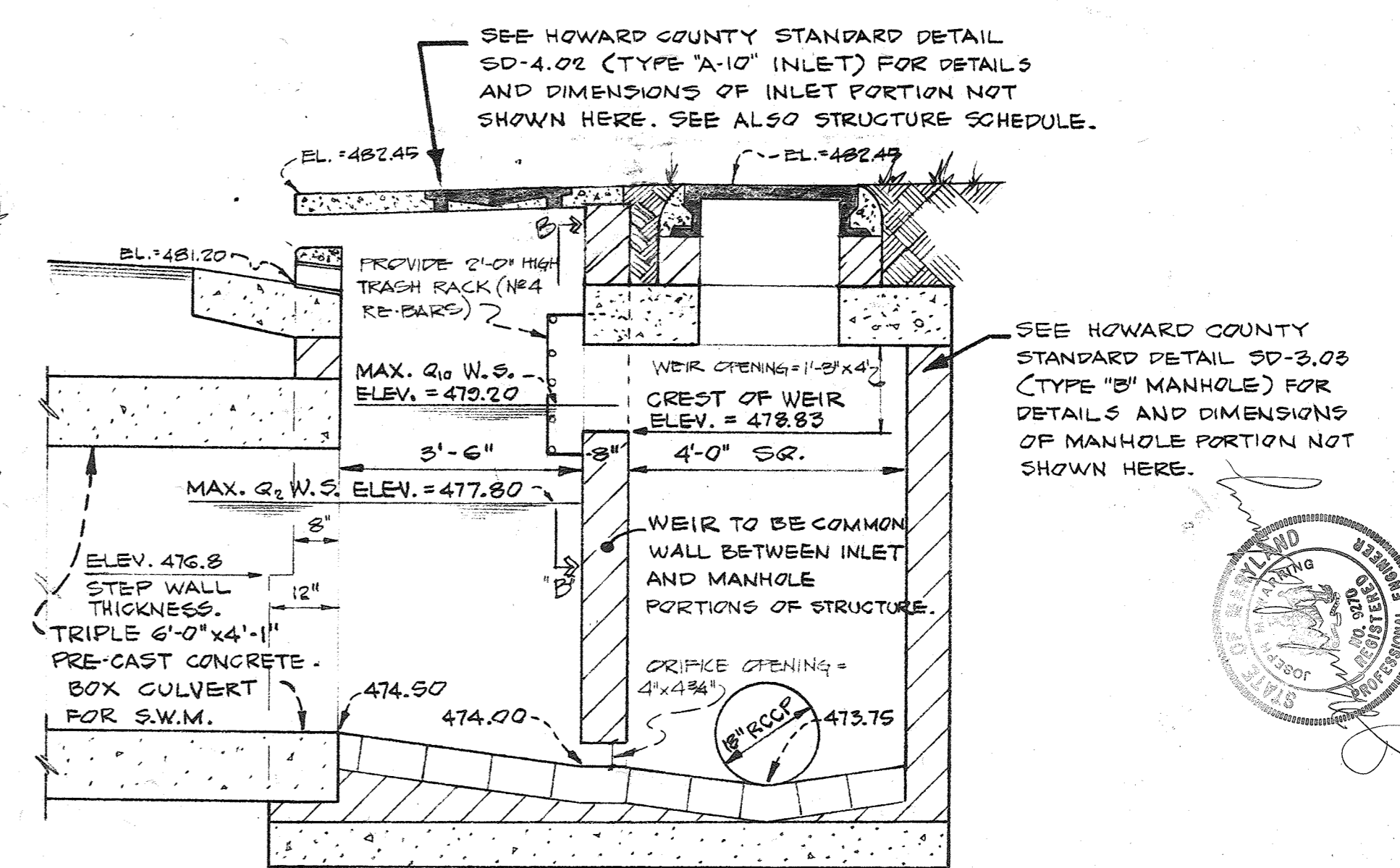
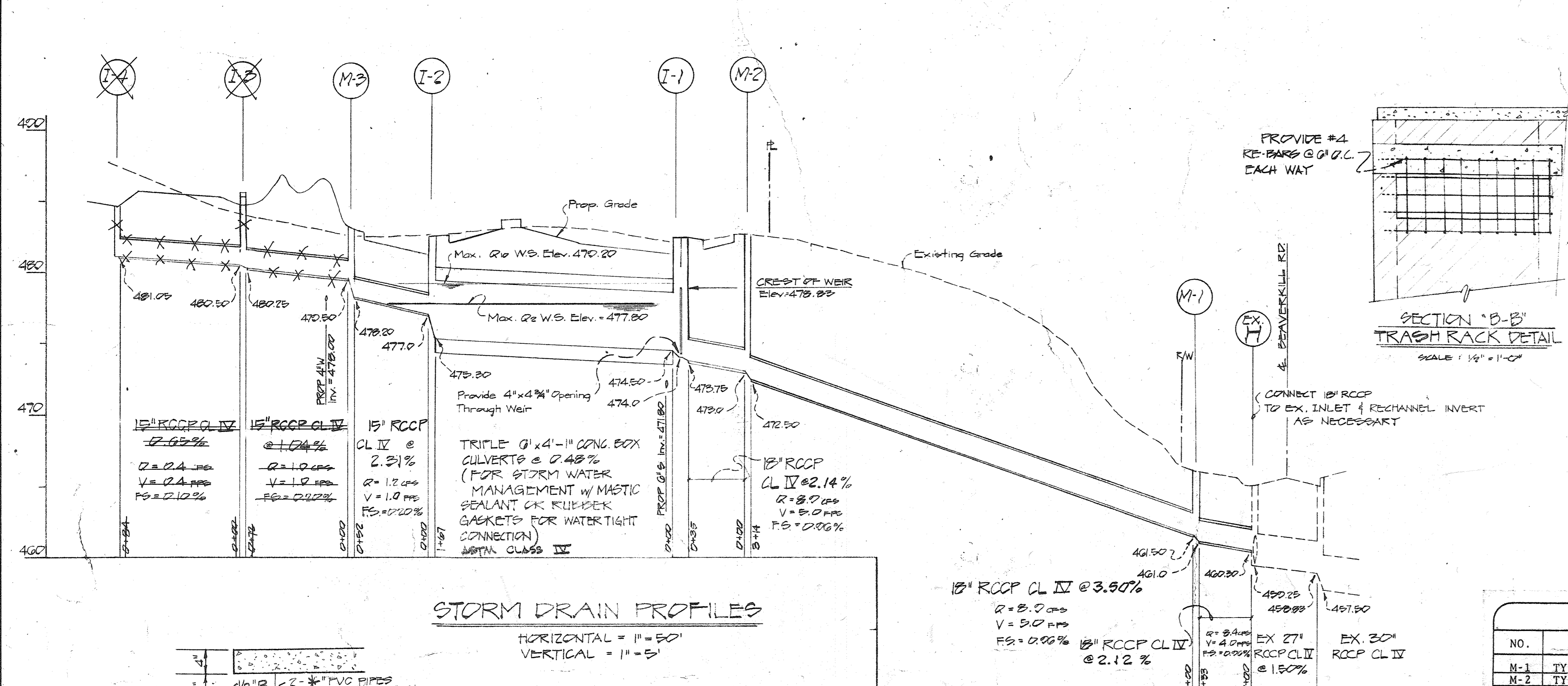


GRIMM & PARKER ARCHITECTS
7411 RIGGS RD. • ADELPHI, MARYLAND 20783 (301) 439-9800
115 KING ST. • ALEXANDRIA, VIRGINIA 22314 (703) 548-4333



STORM WATER MANAGEMENT & DRAINAGE PLAN
HOWARD COUNTY
SENIOR CITIZEN CENTER

DRAWING NO.
L6
DATE: 10-9-81



STORM DRAIN PROFILES
HORIZONTAL = 1" = 50'
VERTICAL = 1" = 5'

STORM DRAINAGE STRUCTURE SCHEDULE

NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
M-1	TYPE "B" SHALLOW MH	SEE PLAN	461.50	461.00	466.00	HOWARD CO. STD. SD-3.03
M-2	TYPE "A-10" MH	"	473.00	472.50	482.50	HOWARD CO. STD. SD-3.01
I-1	TYPE "A-10" INLET (MOD.)	"	474.50	475.75	482.42	HOWARD CO. STD. SD-4.02
I-2	TYPE "A-10" INLET (MOD.)	"	477.00	475.30	482.42	HOWARD CO. STD. SD-4.02
M-3	TYPE "B" SHALLOW MH	"	479.50	478.20	483.00	HOWARD CO. STD. SD-3.03
I-3	TYPE "B" INLET	"	480.50	480.25	485.50	HOWARD CO. STD. SD-4.11
I-4	YARD INLET	"	481.05	484.70	484.70	HOWARD CO. STD. SD-4.14

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Henry F. Nummy 9-23-81
DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS / HOWARD COUNTY HEALTH DEPT.

[Signature] 10-6-81
CITY HEALTH OFFICER DATE

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING AND ZONING

[Signature] 10-6-81
PLANNING DIRECTOR DATE

[Signature] 10-6-81
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

STORM DRAIN COMPUTATIONS
FOR HOWARD COUNTY SENIOR CITIZENS' CENTER

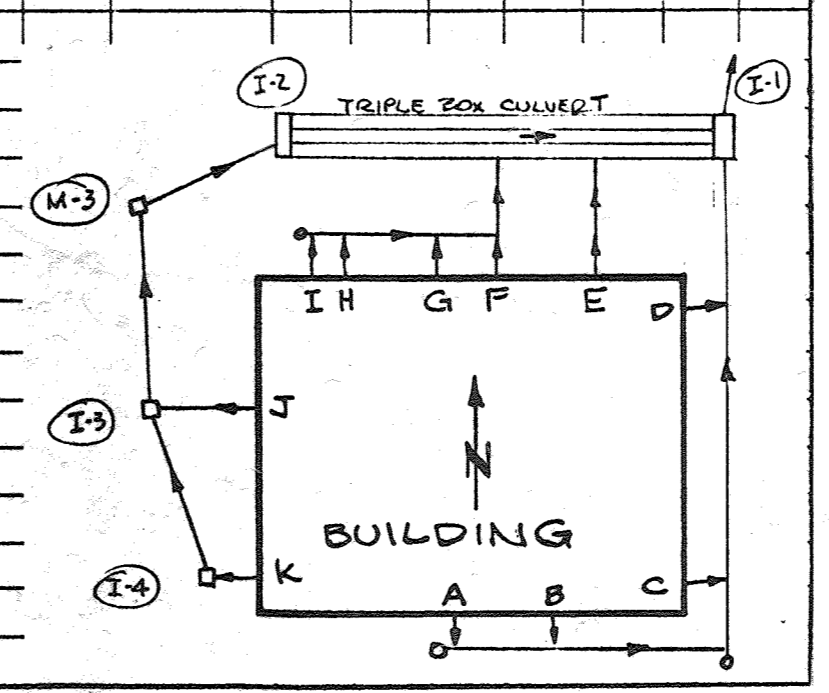
DATE 6/22/81
COMPUTED BY RWJC
CHECKED BY [Signature]
JOB NO. 58-80
SHEET 8 OF 8

C.D. SYSTEM (DISREGARDING SWM)										PIPE										INLET									
FROM	TO	INC. AREA	TOTAL AREA	R	AR	ZAR	TIME	I	Q	MIN. SLOPE	DIAM.	LENGTH	TIME	REMARKS	INLET AREA	Q	MIN. SLOPE	TYPE	CAP.	OVER/TO									
NO.	NO.	AC.	AC.				SEC.	IN./HR.	CFS	%	IN.	FT.	SEC.		NO.	AC.	CFS	%											
I-4	I-3	0.06	0.95	0.06							18"	84'		Roof	1.0	17.5	0.85	18"	39'	7s									
I-3	M-2	0.07	0.95	0.07							18"	72'		Roof	1.0	17.5	0.85	18"	39'	7s									
M-2	I-2	0.20	0.17	0.01							18"	52'		Roof	1.0	17.5	0.85	18"	39'	7s									
I-2	I-1	0.25	0.95	0.24							18"	17s		Parking Lot	1.0	17.5	0.85	18"	39'	7s									
I-1	M-2	0.43	0.95	0.19							18"	7.2		Parking Lot	1.0	17.5	0.85	18"	39'	7s									
M-1	EX. H	1.46	1.23	0.01							18"	7.2		Lawn	1.0	17.5	0.85	18"	39'	7s									
M-2	M-1	1.46	1.23	0.01							18"	7.2		Lawn	1.0	17.5	0.85	18"	39'	7s									
M-1	EX. H	1.46	1.23	0.01							18"	7.2		Lawn	1.0	17.5	0.85	18"	39'	7s									
I-1	M-2	1.46	1.23	0.01							18"	7.2		Lawn	1.0	17.5	0.85	18"	39'	7s									
M-2	M-1	1.46	1.23	0.01							18"	7.2		Lawn	1.0	17.5	0.85	18"	39'	7s									
M-1	EX. H	1.46	1.23	0.01							18"	7.2		Lawn	1.0	17.5	0.85	18"	39'	7s									
I-1	M-2	1.46	1.23	0.01							18"	7.2		Lawn	1.0	17.5	0.85	18"	39'	7s									

STORM DRAIN COMPUTATIONS
FOR HOWARD COUNTY SENIOR CITIZENS' CENTER

DATE 6/22/81
COMPUTED BY RWJC
CHECKED BY [Signature]
JOB NO. 58-80
SHEET 7 OF 8

ROOF DRAINS										PIPE										INLET									
FROM	TO	INC. AREA	TOTAL AREA	R	AR	ZAR	TIME	I	Q	MIN. SLOPE	DIAM.	LENGTH	TIME	REMARKS	INLET AREA	Q	MIN. SLOPE	TYPE	CAP.	OVER/TO									
NO.	NO.	AC.	AC.				SEC.	IN./HR.	CFS	%	IN.	FT.	SEC.		NO.	AC.	CFS	%											
A	B	0.10	0.95	0.10							8"	2.4	120'	50s	Roof	1.0	17.5	0.85	18"	39'	7s								
C	I-1	0.20	0.95	0.19							8"	2.8	176'	70s	Roof	1.0	17.5	0.85	18"	39'	7s								
E	I-1	0.05	0.95	0.05							8"	2.1	58'	28s	Roof	1.0	17.5	0.85	18"	39'	7s								
I	F	0.06	0.95	0.06							8"	1.5	61'	41s	Roof	1.0	17.5	0.85	18"	39'	7s								
F	SOV. COLLECTOR	0.11	0.95	0.10							8"	2.3	55'	24s	Roof	1.0	17.5	0.85	18"	39'	7s								
J	I-3	0.07	0.95	0.07							8"	3.1	27'	2s	Roof	1.0	17.5	0.85	18"	39'	7s								
K	I-4	0.06	0.95	0.06							8"	2.6	0'		Roof	1.0	17.5	0.85	18"	39'	7s								



- GENERAL NOTES FOR STORM DRAINS**
- ALL STORM DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE GENERAL SPECIFICATIONS OF THE MARYLAND STATE HIGHWAY ADMINISTRATION, AND THE HOWARD COUNTY "STORM DRAINAGE DESIGN MANUAL" AND "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION", UNLESS OTHERWISE NOTED.
 - TYPES OF STRUCTURES REFER TO THE STANDARD STORM DRAINAGE DETAILS OF HOWARD COUNTY.
 - INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS OF ALL THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER OR THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BEFORE PROCEEDING WITH CONSTRUCTION.
 - ALL EXCAVATED MATERIAL NOT USED FOR CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AT HIS EXPENSE. THIS ITEM WILL NOT BE MEASURED OR BID BUT CONSIDERED INCIDENTAL TO THE CONSTRUCTION.
 - GRADE ALL DISTURBED AREAS TO PROVIDE POSITIVE DRAINAGE.
 - ALL JOINTS AND CONNECTIONS TO AND WITHIN THE STORM WATER MANAGEMENT SYSTEM (TRIPLE 6" x 4" PRE-CAST CONCRETE BOX CULVERT AND INLETS I-1 AND I-2) SHALL BE MADE POSITIVELY WATERTIGHT THROUGH THE USE OF MASTIC JOINT SEALER OR OTHER APPROVED METHOD.

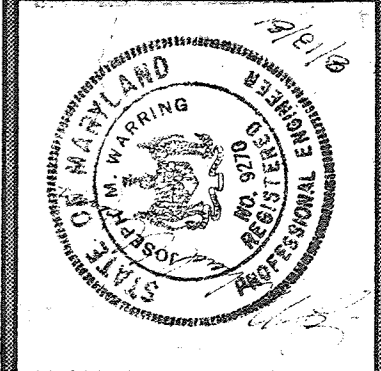
STORM DRAINAGE STRUCTURE SCHEDULE NOTES

* MODIFY STANDARD A-10 INLET BY INCREASING INSIDE BOX AND THROAT LENGTHS TO 20'-0". PROVIDE 3 PIPE SUPPORTS FOR TOP SLAB AT THROAT OPENING, TO BE 3" WROUGHT IRON PIPES WITH FLANGES AT EACH END, CONCRETE FILLED, SPACED AT 5'-0" O.C.

** PROVIDE 6" HIGH OPENINGS AT INV. ELEV. 484.67 IN NORTH AND SOUTH SIDES OF INLET, AS SHOWN ON STANDARD SD-4.11. GRADE TO TOP OF INLET ON EAST AND WEST SIDES.

VILLAGE OF HARTERS CHOICE
Parcel A, Section 5 Area B
Clareville Election District # 5
Howard County, Maryland
2430 Court House Drive
Ellicott City, MD, 21042

WARRING ASSOCIATES
4920 Niagara Road
College Park, Maryland
(301) 345-0400



GRIMM & PARKER ARCHITECTS
7411 RIGGS RD. ADELPHI, MARYLAND 20783 (301) 439-9800
115 KING ST. ALEXANDRIA, VIRGINIA 22314 (703) 548-4333



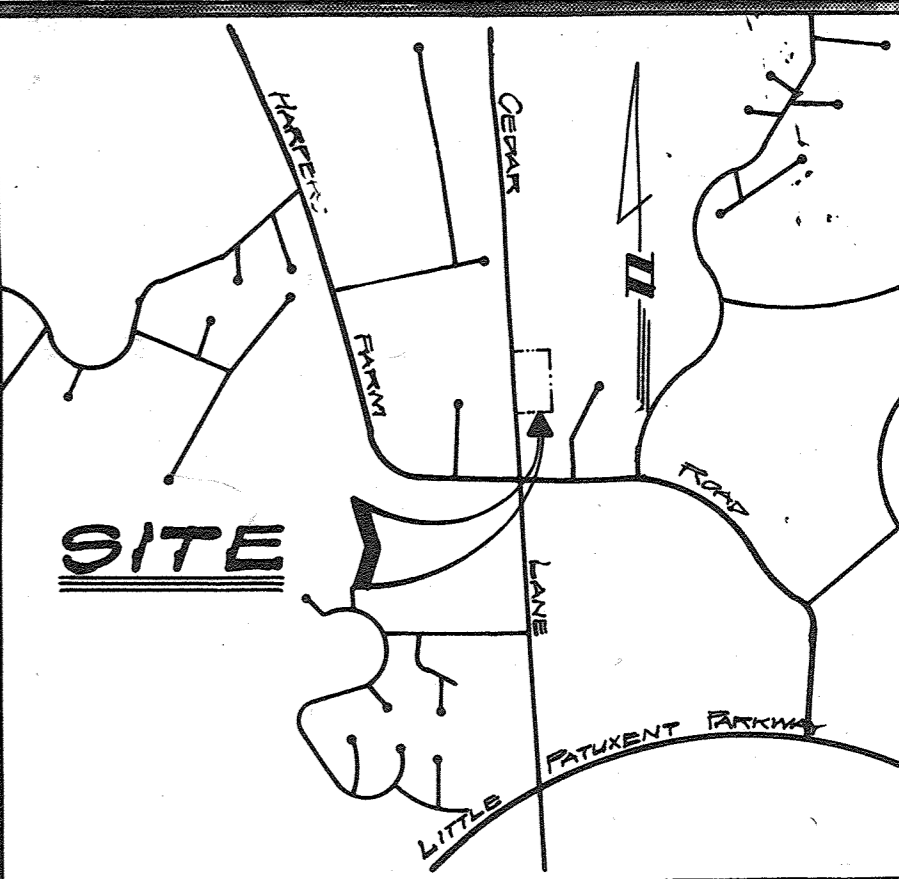
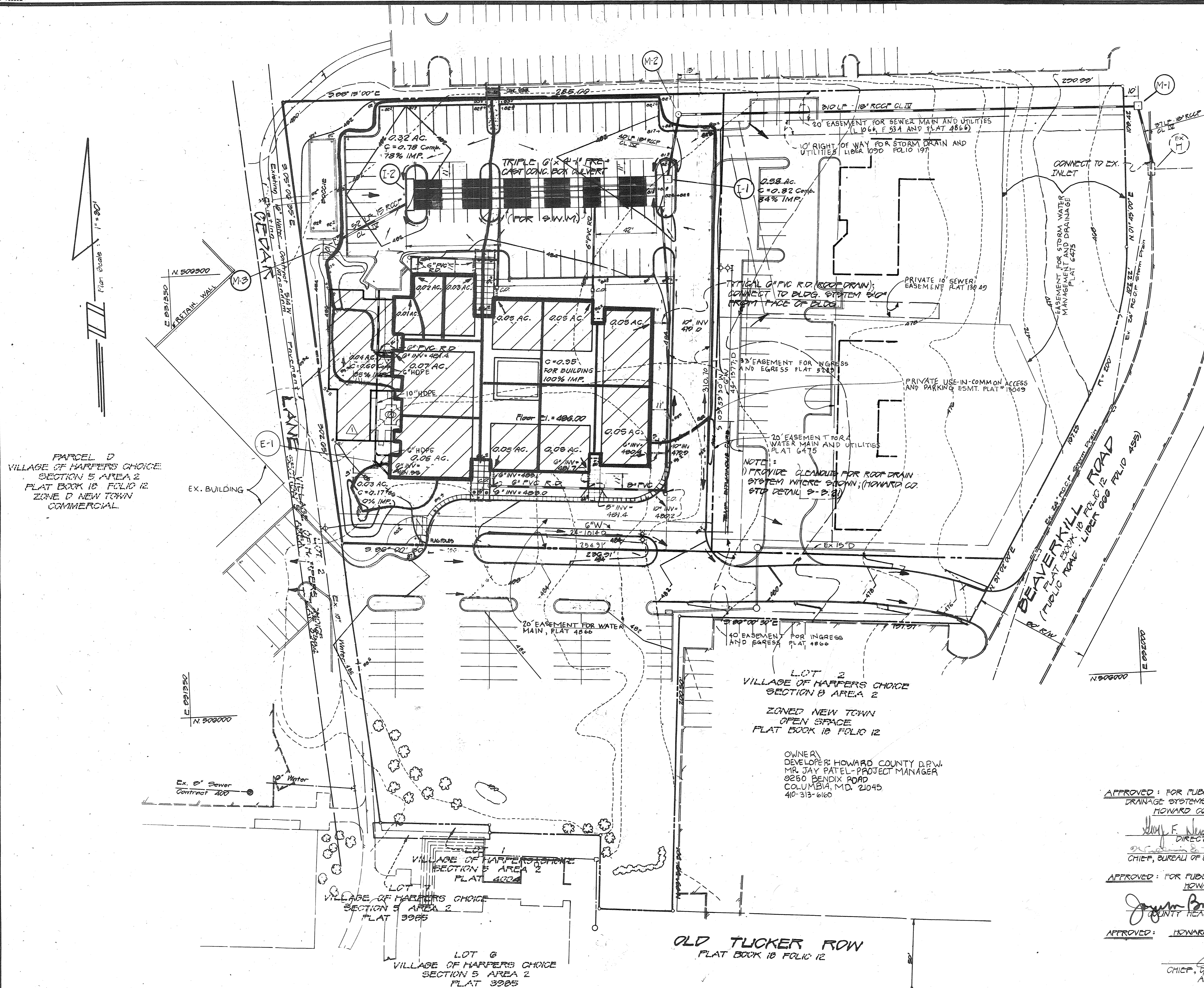
HOWARD COUNTY SENIOR CITIZEN CENTER

DRAWING NO. L7

DATE: 9-10-81

8-22-02 ADDED 3,167 SF ADDITION TO EXISTING BUILDING

NO.	DATE	REVISION
1	8-22-02	ADDED 3,167 SF ADDITION TO EXISTING BUILDING



PARCEL D
VILLAGE OF HARPERS CHOICE
SECTION 5 AREA 2
PLAT BOOK 18 FOLIO 12
ZONE D NEW TOWN
COMMERCIAL

EX. BUILDING

LOT 2
VILLAGE OF HARPERS CHOICE
SECTION 5 AREA 2
ZONED NEW TOWN
OPEN SPACE
PLAT BOOK 18 FOLIO 12

OWNER/
DEVELOPER: HOWARD COUNTY D.P.W.
MR. JAY PATEL - PROJECT MANAGER
9250 BENDIX ROAD
COLUMBIA, MD. 21045
410-313-6160

VILLAGE OF HARPERS CHOICE
SECTION 5 AREA 2
PLAT 4882

VILLAGE OF HARPERS CHOICE
SECTION 5 AREA 2
PLAT 3985

LOT 6
VILLAGE OF HARPERS CHOICE
SECTION 5 AREA 2
PLAT 3985

OLD TUCKER ROW
PLAT BOOK 18 FOLIO 12

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 7-15-81

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM
DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 9-23-81
DIRECTOR DATE
[Signature] 9-22-81
CHIEF, BUREAU OF ENGINEERING DATE

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

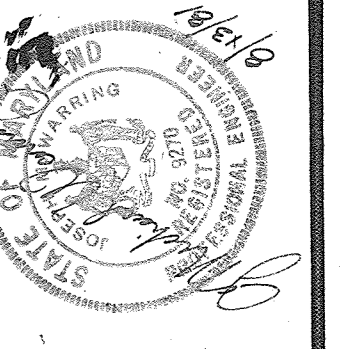
[Signature] 10-6-81
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

[Signature] 10-6-81
CHIEF, DIVISION OF LAND DEVELOPMENT DATE
AND ZONING ADMINISTRATION

3-22-02	ADDED 3,167 SF ADDITION TO EXISTING BUILDING
No	DATE
	REVISION

WARRING ASSOCIATES
ENGINEERS - SURVEYORS - PLANNERS
7411 RIGGS ROAD
SUITE 426 RIGGS BLDG.
HYATTSVILLE, MD. 20783
(301) 434-4446



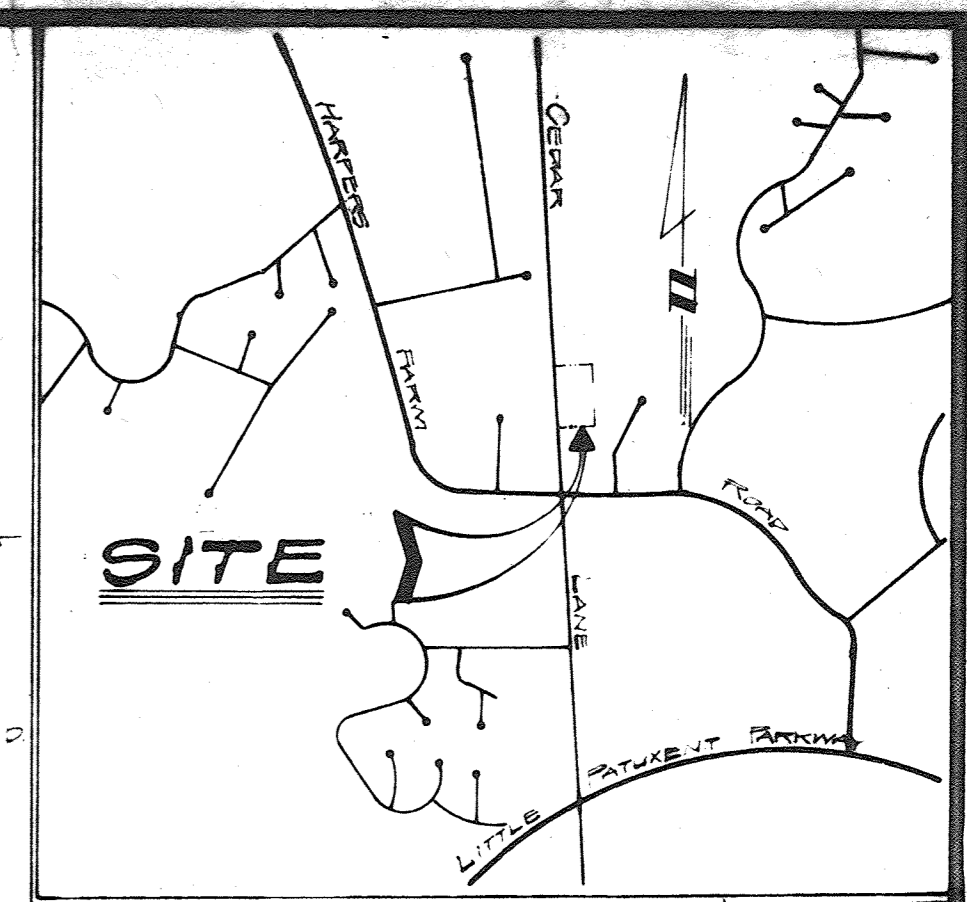
GRIMM & PARKER ARCHITECTS
7411 RIGGS RD. • ADELPHI, MARYLAND 20783 (301) 439-9800
115 KING ST. • ALEXANDRIA, VIRGINIA 22314 (703) 548-4333



DRAINAGE AREA MAP
HOWARD COUNTY
SENIOR CITIZEN
CENTER

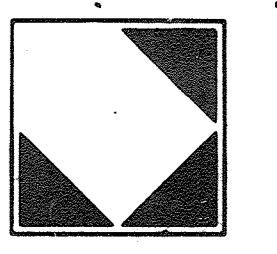
DRAWING NO.
L-8
DWG. 8 of 10
DATE: 9-10-81

VHC G/2
LOT 3
OPEN AREA



VICINITY MAP
Scale: 1" = 400'

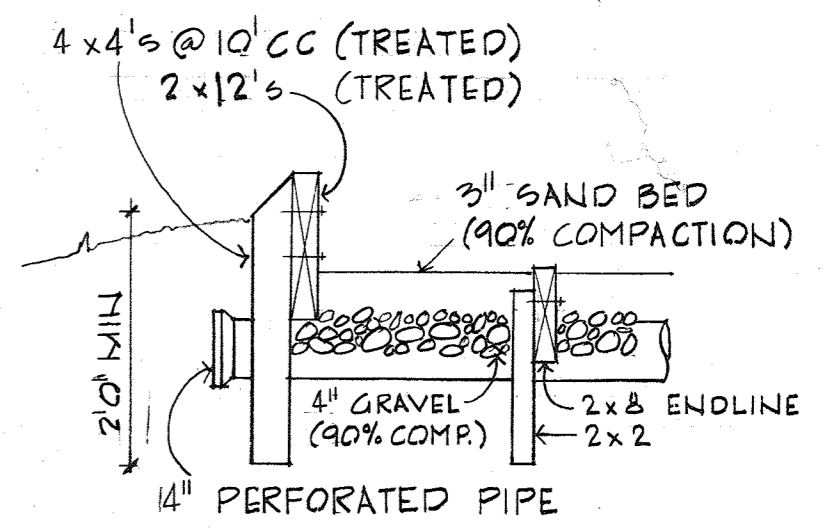
EDWARD F. KILDIFF AND ASSOCIATES
5111 BERWYN ROAD
COLLEGE PARK, MARYLAND 20740
301-441-1448
Land Planning
Landscape Architecture
Park and Recreation Planning



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS.
HOWARD CO. DEPT. OF PUBLIC WORKS
9-23-81 9/23/81
DIRECTOR DATE CHIEF, BUREAU OF ENG.

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPT.
10-6-81
DATE

APPROVED: HOWARD CO. OFFICE OF PLANNING AND ZONING
10-6-81
PLANNING DIRECTOR DATE CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION



SECTION THRU BOCCI COURT
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 7-15-81

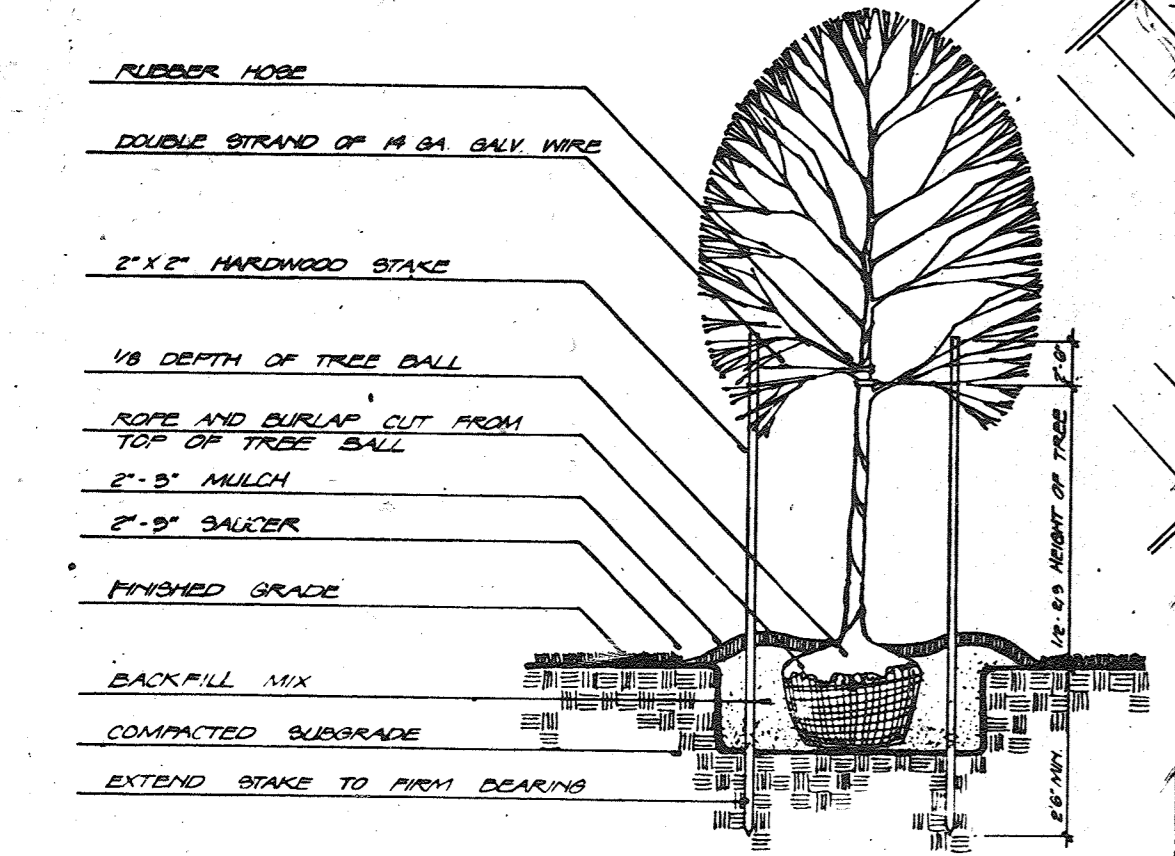
OWNER:
DEVELOPER: HOWARD COUNTY DEP.
MR. JAY PATEL - PROJECT MANAGER
9250 BENDIX ROAD
COLUMBIA, MD 21045
410-313-6160

PLANT LIST

KEY	QUAN	PLANT NAME	SIZE and ROOT
AP	20	AZALEA PINK	15'-18" B+B / Container
AR	22	AZALEA RED	15'-18" B+B / Container
AW	11	AZALEA WHITE	15'-18" B+B / Container
CD	72	COTONEASTER DAMMERI 'SKOGHOLMEN'	18"-24" Container
CS	45	COTONEASTER GALICIFOLIA	24"-30" Container
CS†	158	CORNUS STOLONIFERA	3'-4" B.R.
EA	1	EUONYMUS ALATUS	24"-30" B+B
ES	49	EUONYMUS SIEBOLDIANA	24"-30" B+B
FS	57	FORSYTHIA SUSPensa	3'-4" B.R.
ICC	20	ILEX CRENATA CONVEXA	18"-24" B+B (shear to hedge)
JH	146	JUNIPERUS HORIZONTALIS (Green Variety)	15'-18" B+B / Container
LL	5	LIGUSTRUM LUCIDUM	30"-36" B+B
OI	6	OSMANTHUS LUCIFOLIUS 'GULFIDE'	18"-24" B+B / Container
PL	31	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	18"-24" B+B
PJ	12	PIERIS JAPONICA	18"-24" B+B / Container
RW	151	ROSA WICHURIANA	18"-24" B.R.
TB	1	TAXUS BACCATA REPANDENS	15'-18" B+B
CF	6	CORNUS FLORIDA	5'-6" B+B; Heavy
CP	7	CRATAEGUS PHAENOPHYRUM (Treeform)	5'-6" B+B; Heavy
TC	45	TESLUCA CANADENSIS	6'-7" B+B; Heavy
QP	30	QUERCUS PALUSTRIS	10'-12'; 1 1/2" Cal. B+B.

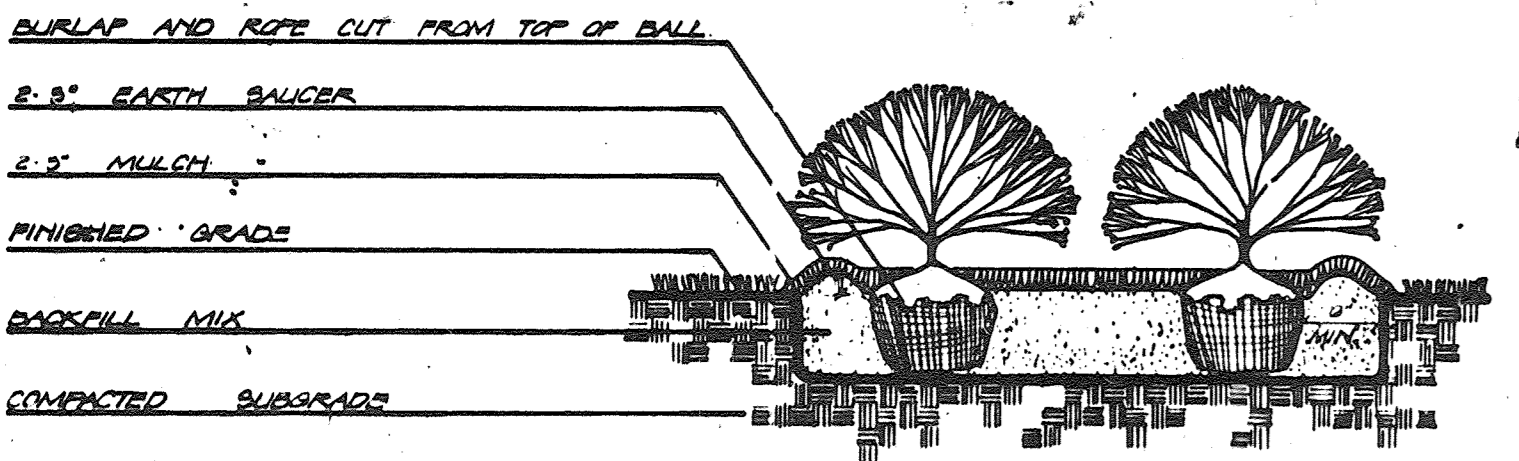
NOTES:
1. Symbol denotes 3" shredded bark mulch bed (or groundcover bed). All beds to be equalled as shown.
2. All plants and planting shall conform to Section 02480 of the specifications
3. All plant material must be heavy and full.

PARCEL D
VILLAGE OF HARRIS CHOICE
SECTION 5 AREA 2
PLAT BOOK 18 FOLIO 12
ZONE D NEW TOWN
COMMERCIAL



TREE SIZE	SUPPORT
6"-8" TRUNK	5" STAKE 5' SPACED 1/4" GA. WIRE; 1/2" HOSE
8"-10" TRUNK	5/8" STAKE 5' SPACED 1/4" GA. WIRE; 1/2" HOSE
10"-12" TRUNK	7/8" STAKE 5' SPACED 1/4" GA. WIRE; 1/2" HOSE

TREE STAKING DETAIL
1/4" SCALE



SHRUB BED PLANTING
NO SCALE

PLANT LIST - REVISION

KEY	QUAN	NAME	SIZE
CA	5	MALUS 'SNOWDRIFT'	6'-8" B+B
QP	1	QUERCUS PALUSTRIS	2 1/2"-3" Cal. B+B

LOT 2
VILLAGE OF HARRIS CHOICE
SECTION B AREA 2
ZONED NEW TOWN
OPEN SPACE
PLAT BOOK 18 FOLIO 12

ITEM	NO.	MANUFACTURER	CATALOGUE #
BENCH	7	TIMBERFORM	2016 B
UMBRELLA TABLES	2	D.O.	2221 W/HOLE
TABLE	2	D.O.	2221 W/HOLE
CHAIRS	4	D.O.	2201-3B
UMBRELLA	2	FINKEL	647L

VILLAGE OF HARRIS CHOICE
Parcel "A" Section 5 Area 8
Clarksville Election District #5
Howard County, Maryland
3430 Court House Drive
Ellicott City, Md. 21043

OLD TUCKER ROW
PLAT BOOK 18 FOLIO 12

LOT 6
VILLAGE OF HARRIS CHOICE
SECTION 5 AREA 2
PLAT 3985

NO	DATE	REVISION
1	8-22-02	ADDED 3,167 SF ADDITION TO EXISTING BUILDING

GRIMM & PARKER ARCHITECTS
7411 RIGGS RD. • ADELPHI, MARYLAND 20783 (301) 439-9800
115 KING ST. • ALEXANDRIA, VIRGINIA 22314 (703) 548-4333



PLANTING PLAN
HOWARD COUNTY
SENIOR CITIZEN
CENTER

DRAWING NO.

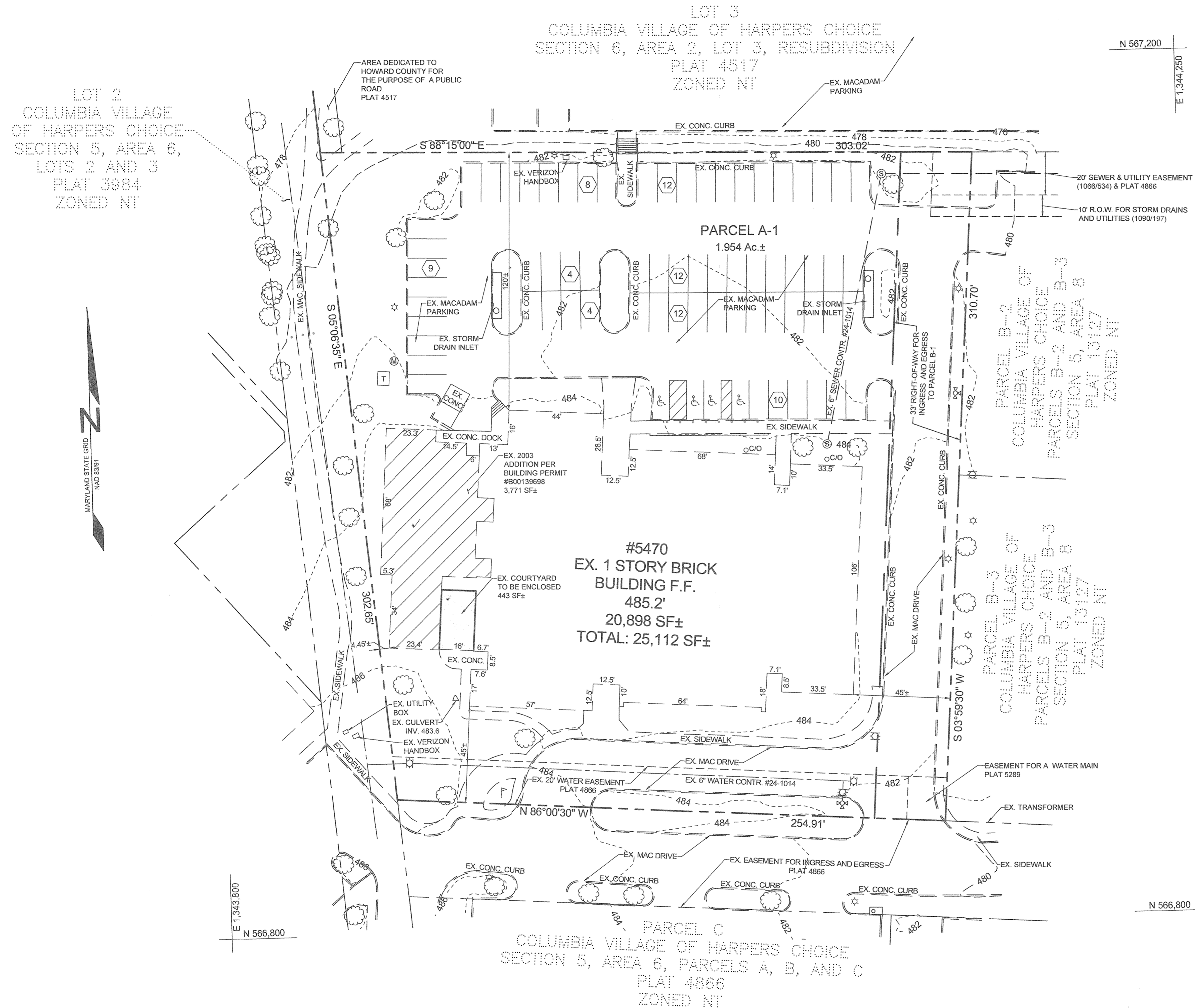
L-9

DWG. 9 of 10
DATE: 9-10-81

SDP-81-189c

LEGEND

EXISTING CONTOUR	---
PROPOSED CONTOUR	---
EXISTING SPOT ELEVATION	301.3
PROPOSED SPOT ELEVATION	+82.53
DIRECTION OF FLOW	→
EXISTING LIGHT POLE	☆
EXISTING STORM DRAIN MANHOLE	⊗
EXISTING WATER VALVE	⊗
EXISTING FIRE HYDRANT	⊗
EXISTING TREE	⊗
EXISTING TRANSFORMER	T
EXISTING BOLLARD	•



THE PURPOSE OF THIS REVISED SITE DEVELOPMENT PLAN IS TO SHOW THE EXISTING 2003 BUILDING ADDITION AND THE COURTYARD AREA TO BE ENCLOSED.

NOTE: THE COMBINED TOTAL LOD OF 443 SF IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT. ANY FUTURE INCREASE EXCEEDING 5,000 SF SHALL BE REQUIRED TO MEET CURRENT STORMWATER MANAGEMENT CRITERIA.

PLAN VIEW
SCALE: 1"=30'

REVISED SITE DEVELOPMENT PLAN
HOWARD COUNTY SENIOR CITIZEN CENTER

5470 RUTH KEETON WAY

TAX MAP 29 GRID 23 PARCEL 334
15TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

	SILL ENGINEERING GROUP, LLC 11130 Dovedale Court Marriottsville, Maryland 21104 Phone: 443.325.5076 Fax: 410.696.2022 Email: info@sillengineering.com Civil Engineering for Land Development	DESIGN BY: PS DRAWN BY: MPO CHECKED BY: PS SCALE: AS SHOWN DATE: SEPTEMBER 25, 2019 PROJECT #: 19-034 SHEET #: 10 of 10
	OWNER/DEVELOPER HOWARD COUNTY, MARYLAND 3430 COURT HOUSE DRIVE ELLICOTT CITY, MD 21043	PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2021.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Director: *[Signature]* DATE: 10-10-19
 Chief, Division of Land Development: *[Signature]* DATE: 10-12-19
 Chief, Development Engineering Division: *[Signature]* DATE: 10-11-19