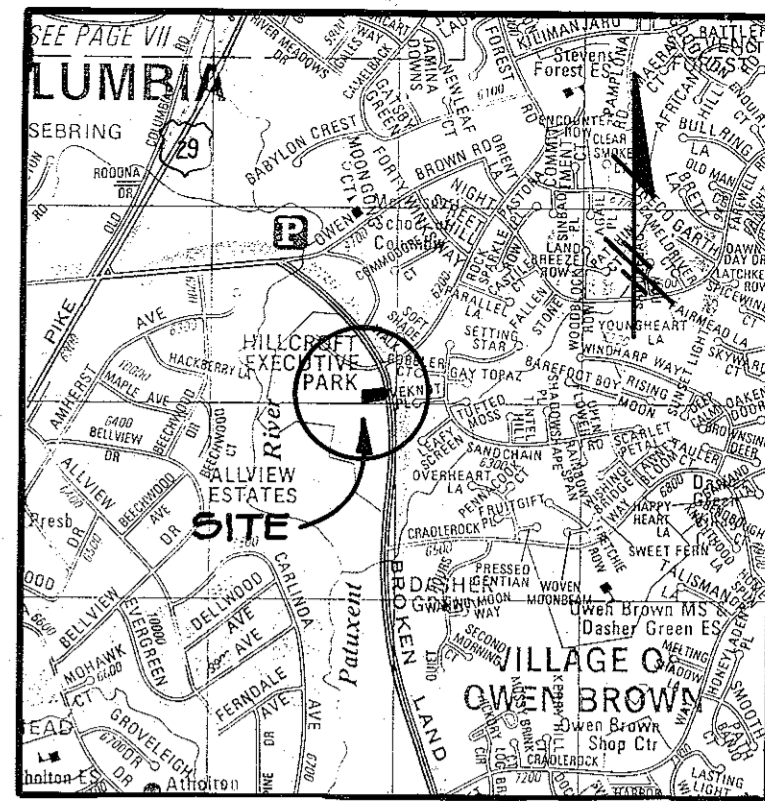


SITE DEVELOPMENT PLAN RELIABLE STORES CORPORATION PARKING LOT ADDITION TO SDP 78-111C



VICINITY MAP

SCALE: 1"=2000'

NOTE: SEE ATTACHED SITE PLAN EXHIBIT FOR PROPOSED STORM DRAIN PROFILES TO BE INCLUDED ON THIS SHEET.

VILLAGE OF OWEN BROWN SECTION 5 AREA 1 HOWARD COUNTY MARYLAND

SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SEDIMENT EROSION CONTROL AND DRAINAGE AREA MAP
4	LANDSCAPING PLAN
5	SITE DETAILS AND PROFILES
6	EROSION AND SEDIMENT CONTROL DETAILS AND SPECIFICATIONS
7	EROSION AND SEDIMENT CONTROL DETAILS AND SPECIFICATIONS

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

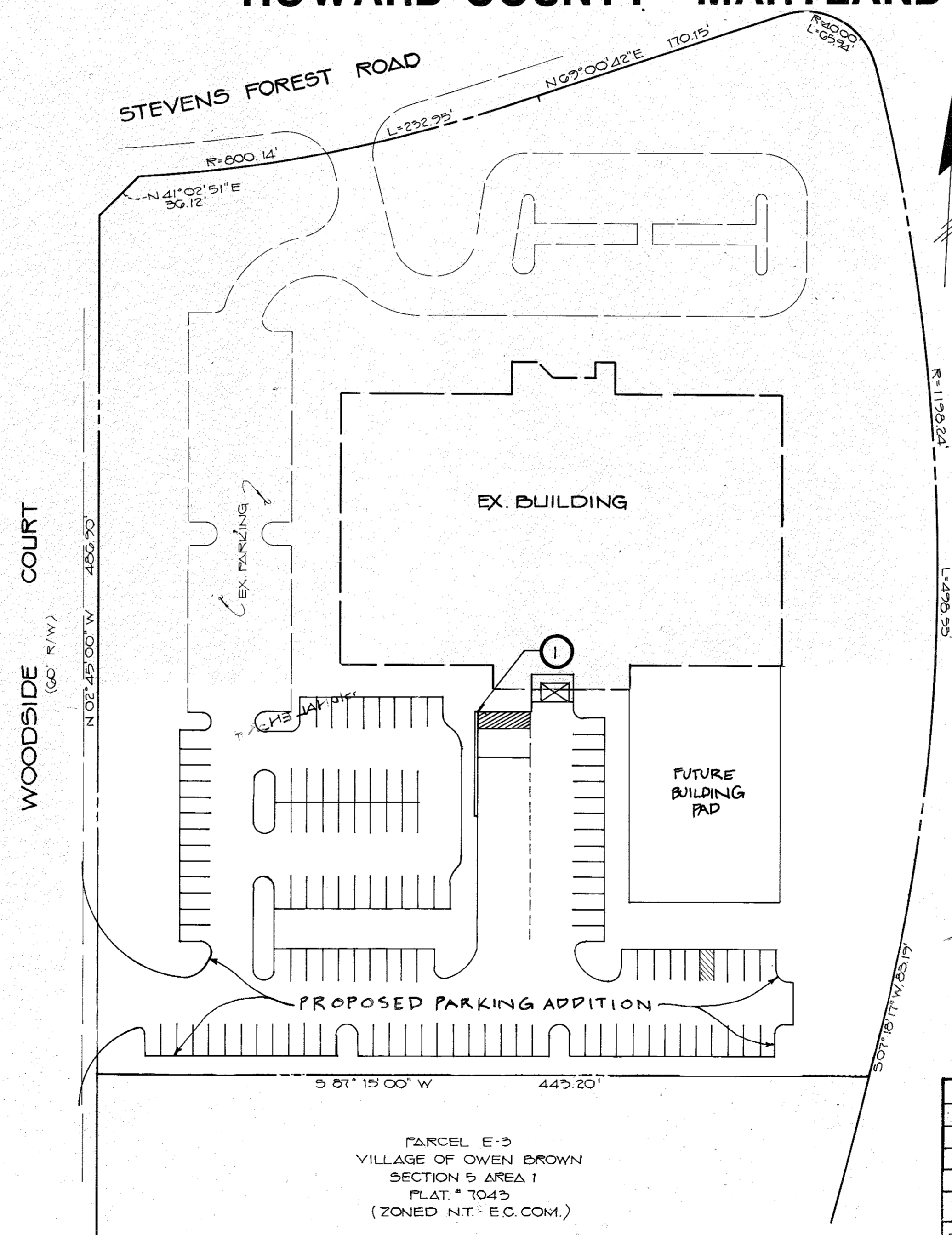
MISS UTILITY	1-800-257-7777
C&P TELEPHONE COMPANY	725-9979
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS & ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)	792-7272
- TOPO TAKEN FROM FIELD RUN SURVEY DATED AUGUST 1988 BY THE RIEMER GROUP, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

SITE TABULATION

As per FDP No. 149-A-1

Design Criteria for Section 5, Area 1 of the Village of Owen Brown

Zoning:	Employment Center Land Use Area - Commerical
Proposed Use:	Parking Lot Expansion to Parcel D-2
Total Area:	Parcel D-2 = 5.913 Ac.
Area of Submission:	1.33 Ac.
Existing Building:	1 Story, Office
Existing Building Coverage:	41,512 SF
Existing Net Leasable:	39,000 SF
Number of Employees:	80
Parking Required:	177 Spaces (INCLUDING 7 HANDICAPPED SPACES)
Existing Parking:	106 Spaces (INCLUDING 5 NEW HANDICAPPED SPACES)
Parking Proposed:	100 Spaces (INCLUDING 2 HANDICAPPED SPACES)
New Total Parking Provided:	207 Spaces (INCLUDING 7 HANDICAPPED SPACES)



PARCEL E-3
VILLAGE OF OWEN BROWN
SECTION 5 AREA 1
PLAT # 7043
(ZONED NT - E.C.COM.)

PLAN
1"=50'

NOTE: CURRENT SITE CONDITIONS, AS OF SEPTEMBER 2016, CAN BE FOUND ON SHEET 7 OF SDP-78-111.

FOR REVISIONS BY DMW ONLY

9/1/99 DATE	APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT <i>John H. Boyd, M.D.</i> 3/5/89 COUNTY HEALTH OFFICER
	APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING. <i>Ulrich</i> 2.22.89 PLANNING DIRECTOR
	APPROVED: CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT <i>Wendell V. J. Cangelosi</i> 2/2/89 DATE
	APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>James J. ...</i> 3/1/89 DIRECTOR
	APPROVED: CHIEF, BUREAU OF ENGINEERING <i>...</i> 3-6-89 DATE

8-2-99 1 REV. PKG LOT LAYOUT, SHEET INDEX, ADDED SCREEN WALL, REV. OWNER DEVELOPER BY DMW INC.

DATE	NO	REVISION
		OWNER/DEVELOPER
		WELLSFORD COMMERCIAL HOLDINGS, LLC % CRYSTAL HILL DEVELOPMENT 10015 OLD COLUMBIA ROAD COLUMBIA, MARYLAND 21046

PROJECT: RELIABLE STORES PARKING LOT ADDITION
AREA TAX MAP 30 PARCEL D-2 PLAT # G75G
Gth ELECTION DISTRICT, COLUMBIA
HOWARD COUNTY, MD.

TITLE: **TITLE SHEET**

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

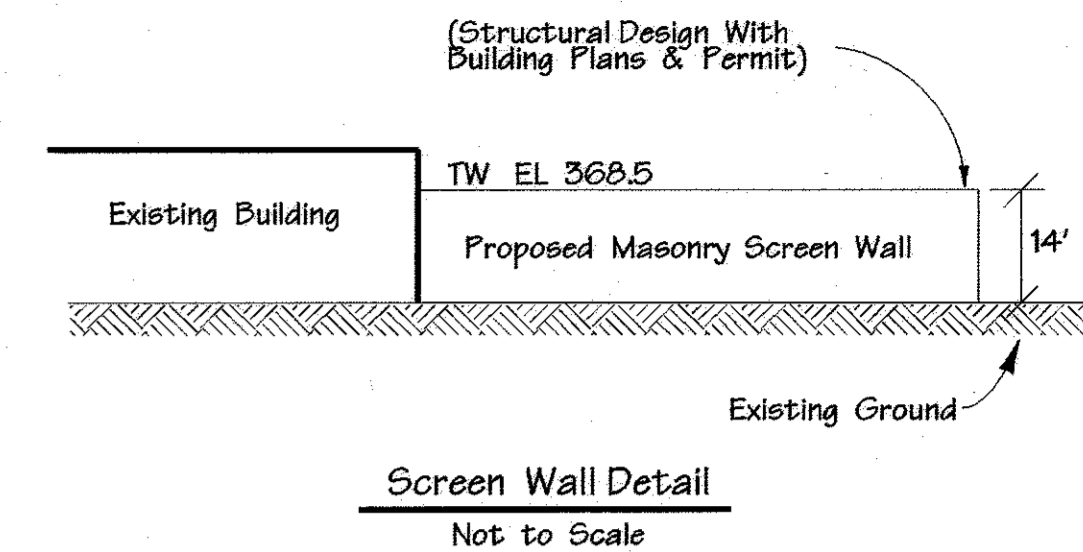
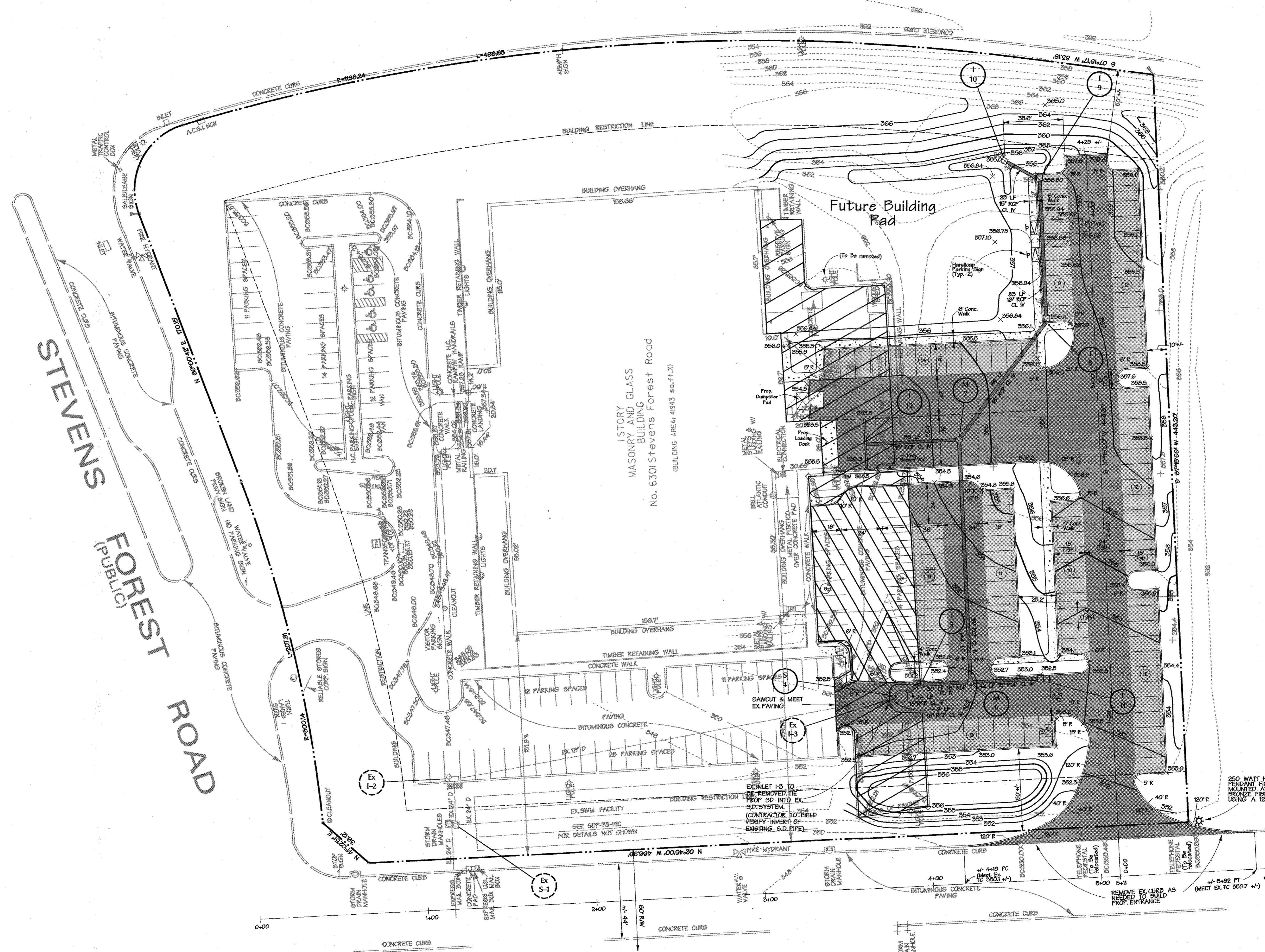
11-22-88 DATE	REF: SDP 78-111C
	DESIGNED BY: P.R.
	DRAWN BY: D.B.S.
	PROJECT NO: 54401
	DATE: AUGUST 20, 1988
	SCALE: AS SHOWN
	DRAWING NO. 1 OF 7

DATE	NO	REVISION

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
VILLAGE OF OWEN BROWN	5/1	PARCEL D-2
PLAT # OR L/F	BLOCK #	ZONE
G75G	14	COMM
TAX/ZONE MAP	ELEC. DIST.	CENSUS TR
30	G th	G0G1,02
WATER CODE	SEWER CODE	
E-13	545000	

APPROVED
FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 11-17-88
LKS

BROKEN LAND PARKWAY (PUBLIC)



NOTE: CURRENT SITE CONDITIONS, AS OF SEPTEMBER 2016, CAN BE FOUND ON SHEET 7 OF SDP-78-111.

- Existing Paving To Be Removed
- Proposed 1" Overlay Area
- Proposed Paving (P-1)
- Proposed Paving (P-2)

STEVENS FOREST ROAD
(PUBLIC)

WOODSIDE COURT
(PUBLIC)

NOTE: SEE DETAIL SHEET 6 OF 7 FOR MODIFICATIONS TO SDR S-1
SPOT ELEVATIONS SHOWN ARE TO TOP OF CURB.

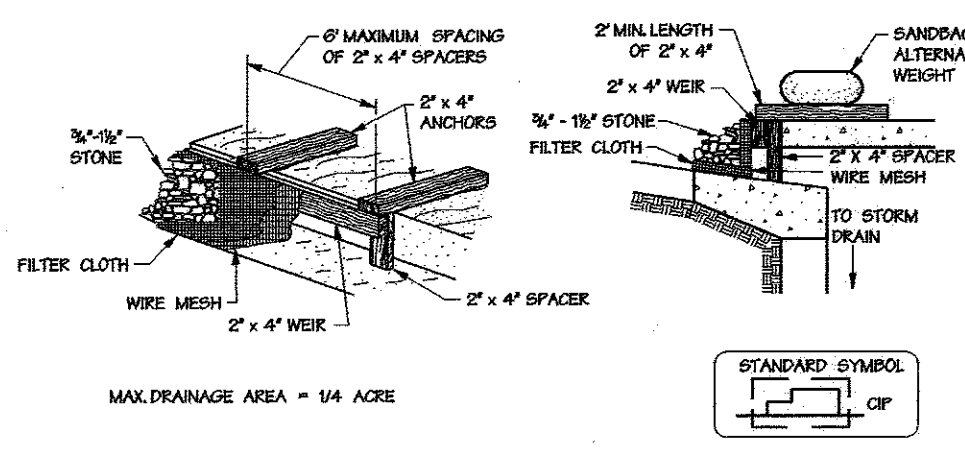
 NORTH	 Date: <u>4/2/19</u> Professional Engr. No. <u>10551</u>
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE: <u>8/7/19</u>
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE: <u>8/16/19</u>
DIRECTOR	DATE: <u>8/23/19</u>
Date: No.	
6301 Stevens Forest Road HOWARD COUNTY, MARYLAND	
OWNER / DEVELOPER: Wellstford Commercial Holdings, LLC c/o Crystal Hill Development 10015 Old Columbia Road Columbia, Maryland 21046	
Draft: McCune-Walker, Inc. 200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 286-3239 Fax: 298-4705	
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals	
SHEET NO. 14 PLUP 6755 WATER CODE E-13	SECTION 5.1 DISTRICT 36 SEWER CODE 5450000
TITLE SITE DEVELOPMENT PLAN	
Des By: CSC Dm By: JMH/CMR Chk By:	Scale: 1" = 30' Date: Approved:
Proj. No. 98130 B Sheet 2 of 7	

BROKEN LAND PARKWAY

(60' PUBLIC RIGHT OF WAY)

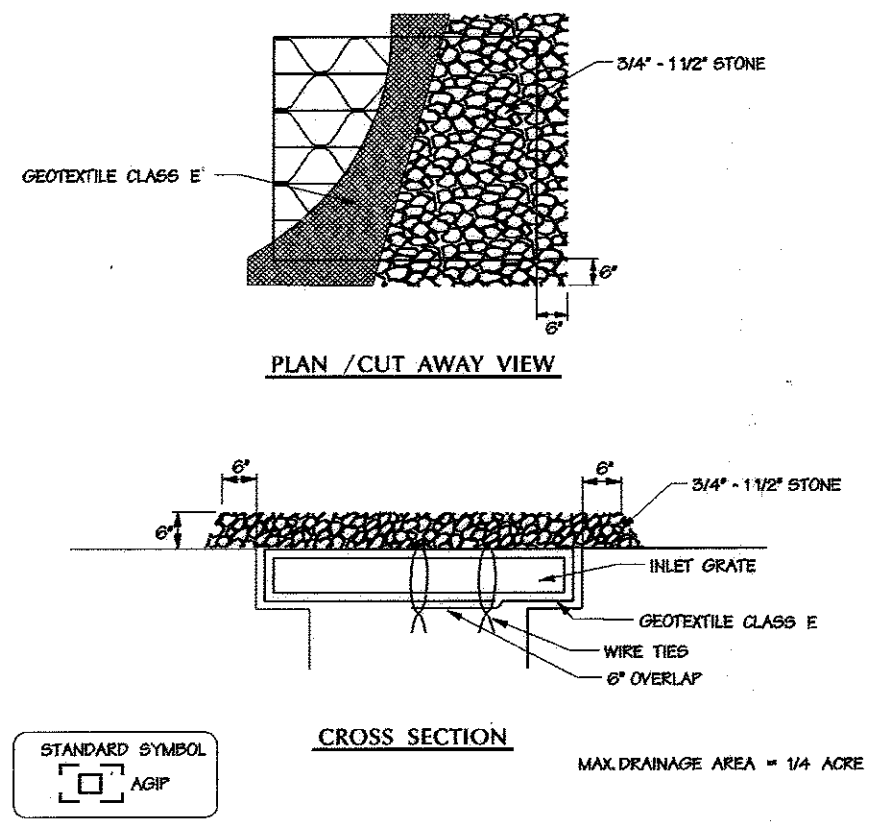
LEGEND

- LIMIT OF DISTURBANCE
- SEDIMENT CONTROL DRAINAGE AREA
- STORM DRAIN DRAINAGE AREA
- PROPOSED SILT FENCE
- A-1 EARTH DIKE
- STABILIZE CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM
- EXISTING CONTOUR
- PROPOSED CONTOUR
- CIP CURB INLET PROTECTION
- GABION MATRESS INFLOW PROTECTION
- ACIP AT GRADE INLET PROTECTION



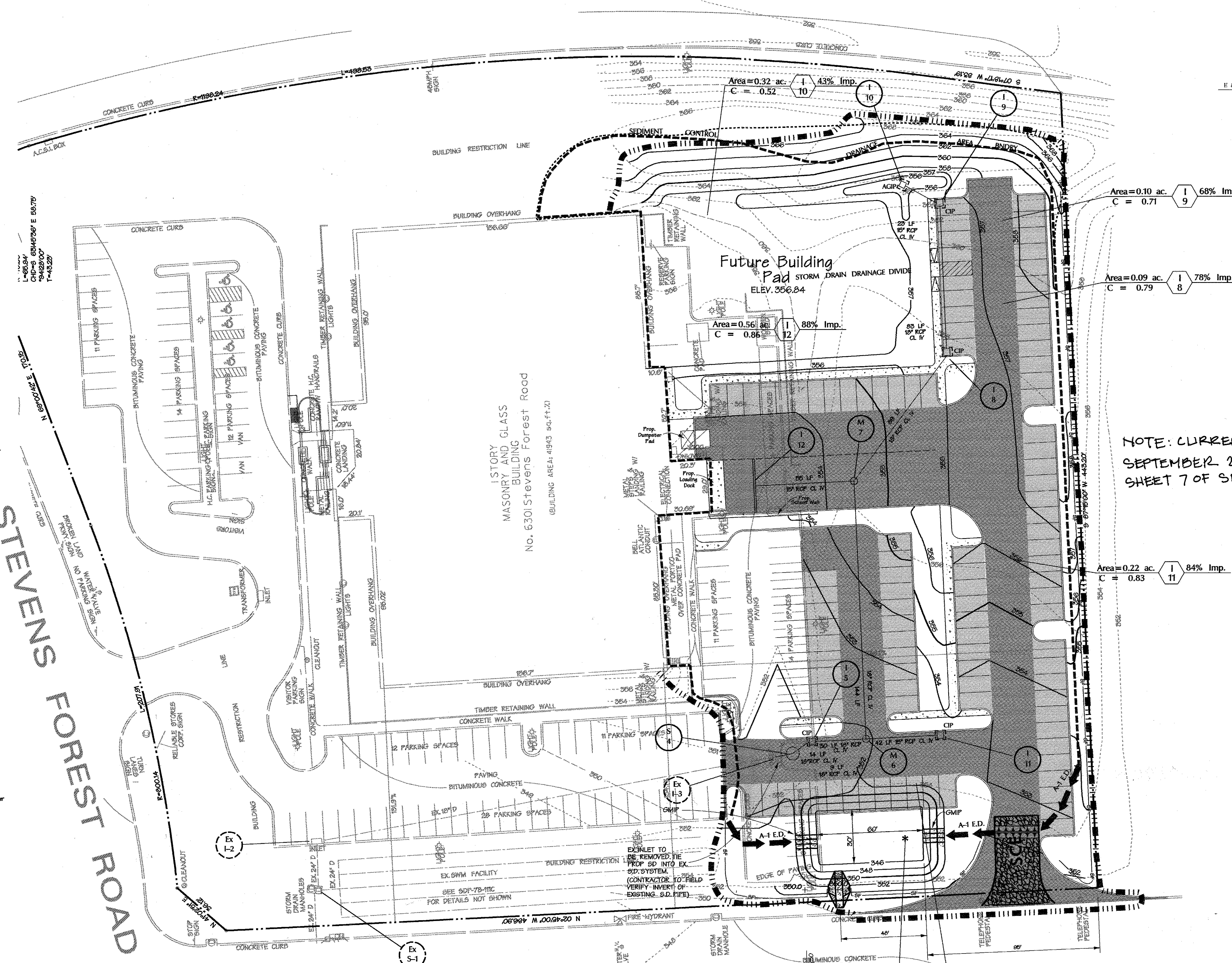
- CONSTRUCTION SPECIFICATIONS**
- ATTACH A CONTINUOUS PIECE OF 1/2" X 1/2" WIRE MESH (50 PER MINIMUM WIDTH BY THROAT LENGTH PLUS 4") TO THE 2' X 4" WEIR (MEASURING THROAT LENGTH PLUS 4") SHOWN ON THE STANDARD DRAWING.
 - PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2' X 4" WEIR.
 - SECURELY NAIL THE 2' X 4" WEIR TO A 2" LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAX 4" PART).
 - PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL MINIMUM 2" LENGTHS OF 2" X 4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS. THESE 2" X 4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDRAGS OF ALTERNATE WEIGHT. BOTH ENDS OF THE THROAT OPENING.
 - FORM THE 1/2" X 1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE OUTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 1/2" X 1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
 - THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
 - ASSURE THAT STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW OF THE INLET.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E-10-89 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Curb Inlet Protection (COG or COS Inlets) Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS. THEN SET GRATE BACK IN PLACE.
 - PLACE 1/2" X 1/2" STONE 1/4" THICK ON THE GRATE TO SECURE THE FABRIC AND PROVIDE ADDITIONAL FILTRATION.

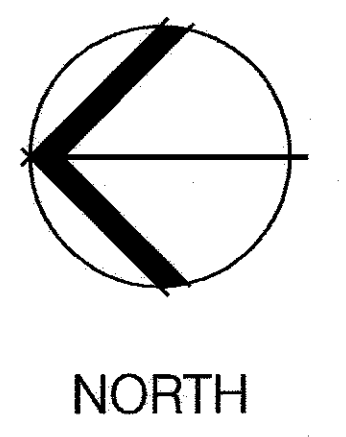
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E-10-84 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
At Grade Inlet Protection Not To Scale



PROPOSED R.O.S.T. ST III TRAP #1

DRAINAGE AREA = 1.9 Ac
 TOTAL STORAGE REQUIRED = 10,280 cf. (WET ONLY)
 TOTAL STORAGE PROVIDED = 10,910 cf. (Elev. 350.0)
 DEPTH = 4' BOTTOM ELEV. = 346.0
 WEIR LENGTH = 5'
 WEIR CREST ELEV. = 350.0 (TOP OF STONE)
 CLEANOUT ELEV. = 348.0

NOTE: CURRENT SITE CONDITIONS, AS OF SEPTEMBER 2010, CAN BE FOUND ON SHEET 7 OF SDP-78-111.



6/2/99
Date

Professional Engr. No. 10551

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION *[Signature]* 8/1/99 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT *[Signature]* 8/6/99 DATE

DIRECTOR *[Signature]* 8/5/99 DATE

6301 Stevens Forest Road
 HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER:
 Wellstford Commercial Holdings, LLC
 c/o Crystal Hill Development
 10015 Old Columbia Road
 Columbia, Maryland 21046

SUBPROJECT NAME VILLAGE OF OWEN BROWN	SECTION/AREA 5/7	DATE 8/1/99	PARCEL D-2
DATE OF PLAN 8/1/99	SCALE 1" = 30'	REVISION 36	GRID 6081.02
WATER CODE E-13	SHEET NO. 36	SHEET TOTAL 68	DATE 8/1/99

TITLE SEDIMENT EROSION CONTROL & DRAINAGE AREA MAP			
Des By: CSC	Scale: 1" = 30'	Proj. No.: 98130 B	
Dwn By: JMH/CMR	Date: 5-25-99	Sheet 3 of 7	
Chk By:	Approved:		

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

[Signature] 8/3/99
 MRS. NATURAL RESOURCE CONSERVATION SERVICE DATE

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

[Signature] 8/3/99
 HOWARD S.C.D. DATE

CERTIFICATION BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

[Signature] 8/2/99
 John W. Ranocchia, Sr. DATE

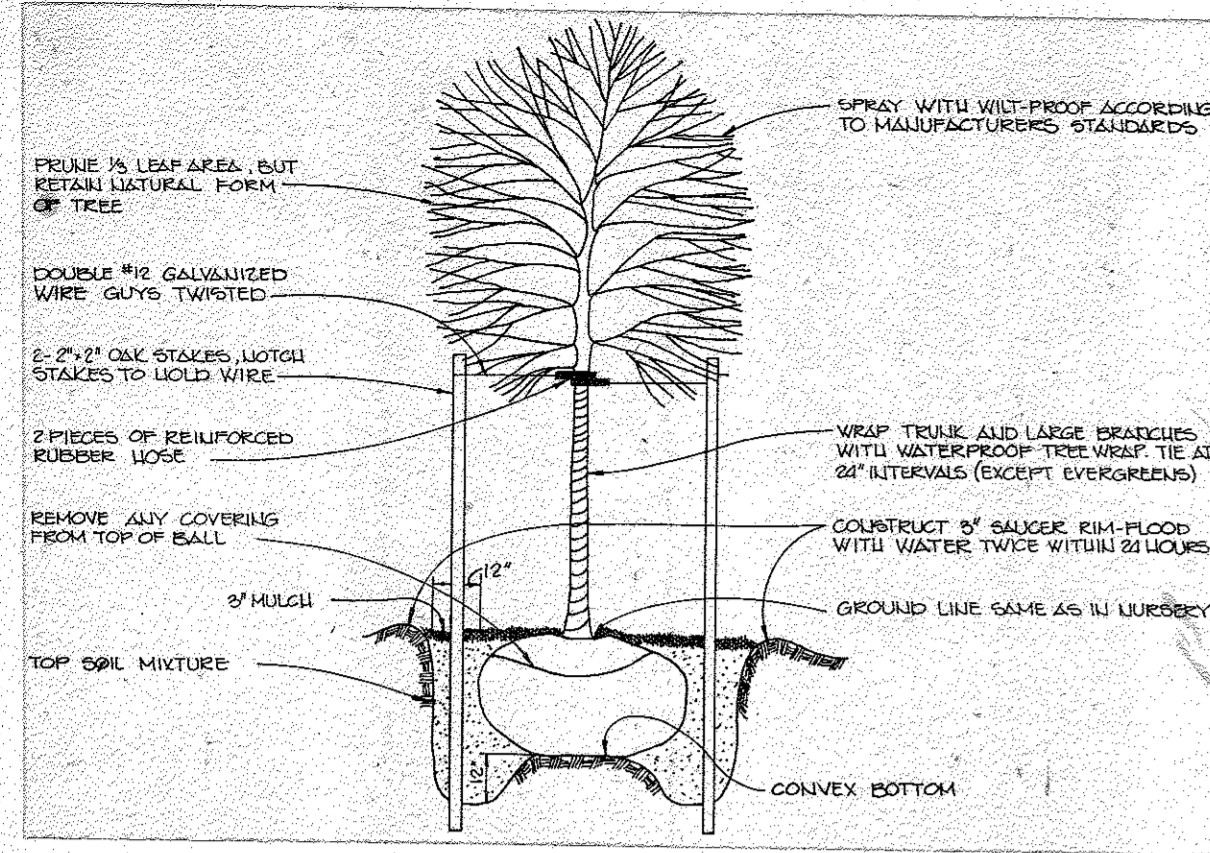
CERTIFICATION BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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 SOIL CONSERVATION DISTRICT."

[Signature] 8/3/99
 Fredrick W. Blundy DATE

WOODSIDE COURT

(PLAY NO. 7044)
 (60' PUBLIC RIGHT OF WAY)



PLANTING DETAIL
NO SCALE

SCHEDULE 'A'
PERIMETER LANDSCAPE EDGE

CATEGORY	LANDSCAPE TYPE	ADJ. TO ROADWAYS	FORMULA
PARKING	E	442 LF	1 SHADE/4C/1SHRUB/4'
CREDIT FOR EXISTING VEGETATION (YES/NO, LINEAR FT (DESCRIBE BELOW IF NEEDED))			
		NO	
CREDIT FOR WALL, FENCE OR BERM (YES/NO LINEAR FT.) (DESCRIBE BELOW IF NEEDED)			
		367 LF	
NUMBER OF PLANTS REQUIRED			
SHAPE TREES		2	
EVERGREENS		0	
SHRUBS		17	
NUMBER OF PLANTS PROVIDED			
SHAPE TREES		2	
EVERGREENS		3	
OTHER TREES		0	
SHRUBS		0	

SUBSTITUTIONS: 3 EVERGREENS TREES HAVE BEEN SUBSTITUTED FOR 17 SHRUBS.

SCHEDULE 'B'
PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	119
NUMBER OF TREES REQUIRED @ 1:20 SF = 6	6
NUMBER OF TREES PROVIDED	6
SHAPE TREES	
OTHER TREES (2:1 SUBSTITUTION)	
NUMBER OF ISLANDS REQUIRED @ 1:20 SF	6
NUMBER OF ISLANDS PROVIDED	6

NOTE: THIS PROJECT WILL BE CONSTRUCTED UNDER ALTERNATE COMPLIANCE - HRD STANDARDS. THE LANDSCAPE CALCULATIONS SHOWN HAVE BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS IN SECTION 16.124 OF THE HOWARD CO. LANDSCAPE MANUAL FOR BONDING PURPOSES ONLY.

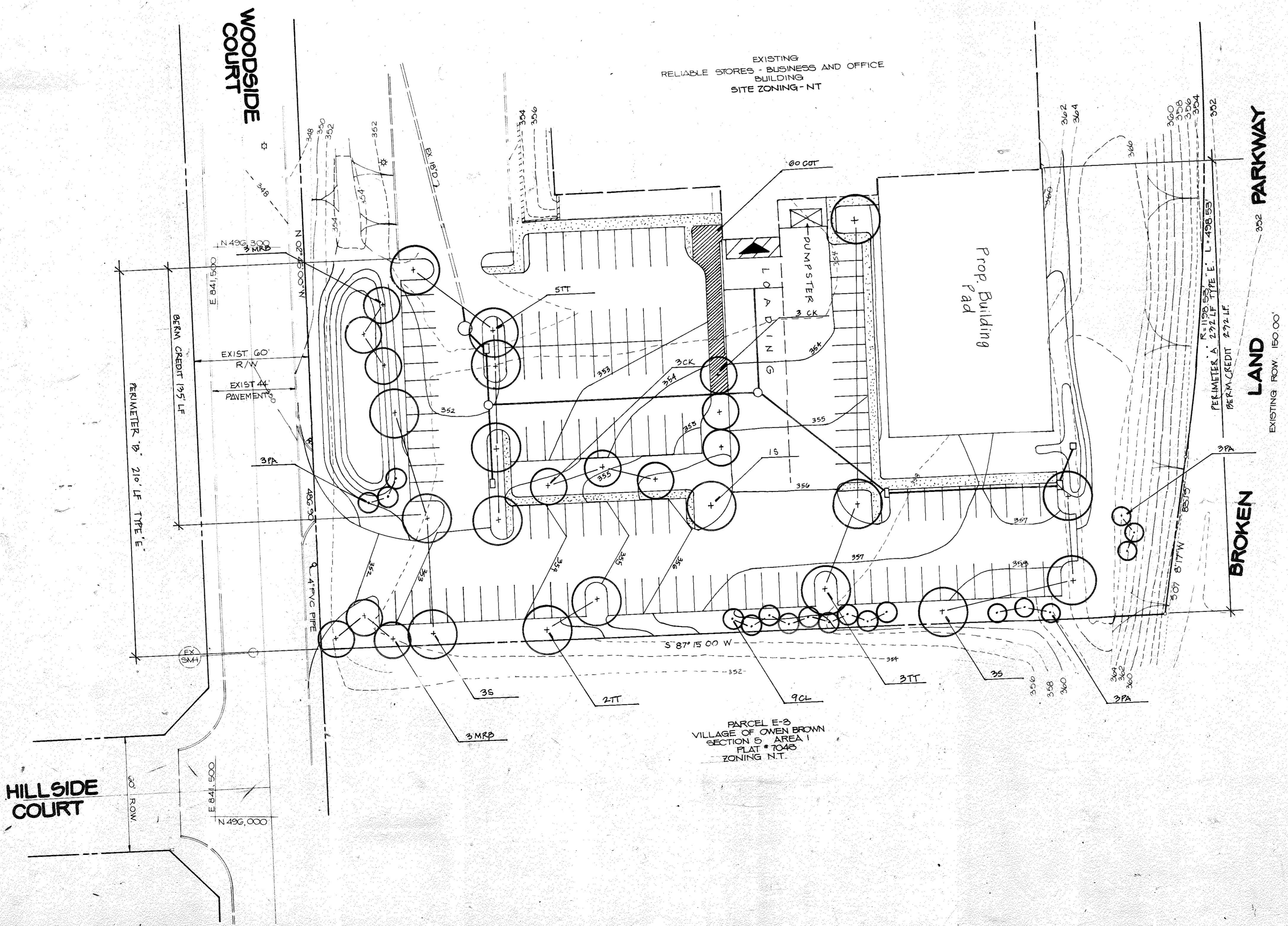
BONDING AMOUNT:
 2 SHAPE TREES @ 300.00 = 2400
 11 SHRUBS @ 30.00 = 570
TOTAL 2,970

FINANCIAL SECURITY FOR THE REQUIRED LANDSCAPING WILL BE POSTED IN THE AMOUNT OF \$2,970.00

PLANT LIST

QUAN	SYM.	PLANT MATERIAL	REMARKS
SHADE TREES			
7	S	SOPHORA JAPONICA 'RESENT'	2 1/2" 9" CAL
		RECENT PAGODA TREE	DIB: FULLHEAD
10	TT	TILIA TOMENTOSA 'GREEN MOUNTAIN'	2 1/2" 3" CAL
		GREEN MOUNTAIN LINDEN	DIB: FULLHEAD
FLOWERING TREES			
6	CK	CORNUS KOUSA	8-10' HT
		KOUSA DOGWOOD	BIB
6	MRP	MALUS RED BARON	8-10' HT
		RED BARON CRABAPPLE	BIB
EVERGREENS			
7	CL	CHAMAECTYPARIS 'LEYLANDII'	6'-8' HT
		LEYLAND CYPRESS	BIB
9	PA	PICEA ABIES	6'-8' HT
		NOTWAY SPRUCE	BIB
SHRUBS			
60	COT	COTONEASTER SALICIFOLIA REPENS	18" 29" SPD, CON
		DWF WILLOW LEAF COTONEASTER	

NOTE: CURRENT SITE CONDITIONS, AS OF SEPTEMBER 2016, CAN BE FOUND ON SHEET 7 OF SDP-78-111.



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 J. M. Boyd, P.E., Director, 7/15/89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 W. H. ... Planning Director, 3-23-89
 J. ... Chief, Division of Community Planning and Land Development, 3-21-89

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 J. ... Director, 3/1/89
 R. ... Chief, Bureau of Engineering, 3-6-89

8-289 | REV. LANDSCAPING
 PLANT LIST, SCHEDULE A+B BY DMW/ING.

OWNER/DEVELOPER
 WELLSFORD COMMERCIAL HOLDINGS LLC
 10015 OLD COLUMBIA ROAD
 COLUMBIA, MARYLAND 21046

PROJECT
 RELIABLE STORE PARKING LOT ADDITION

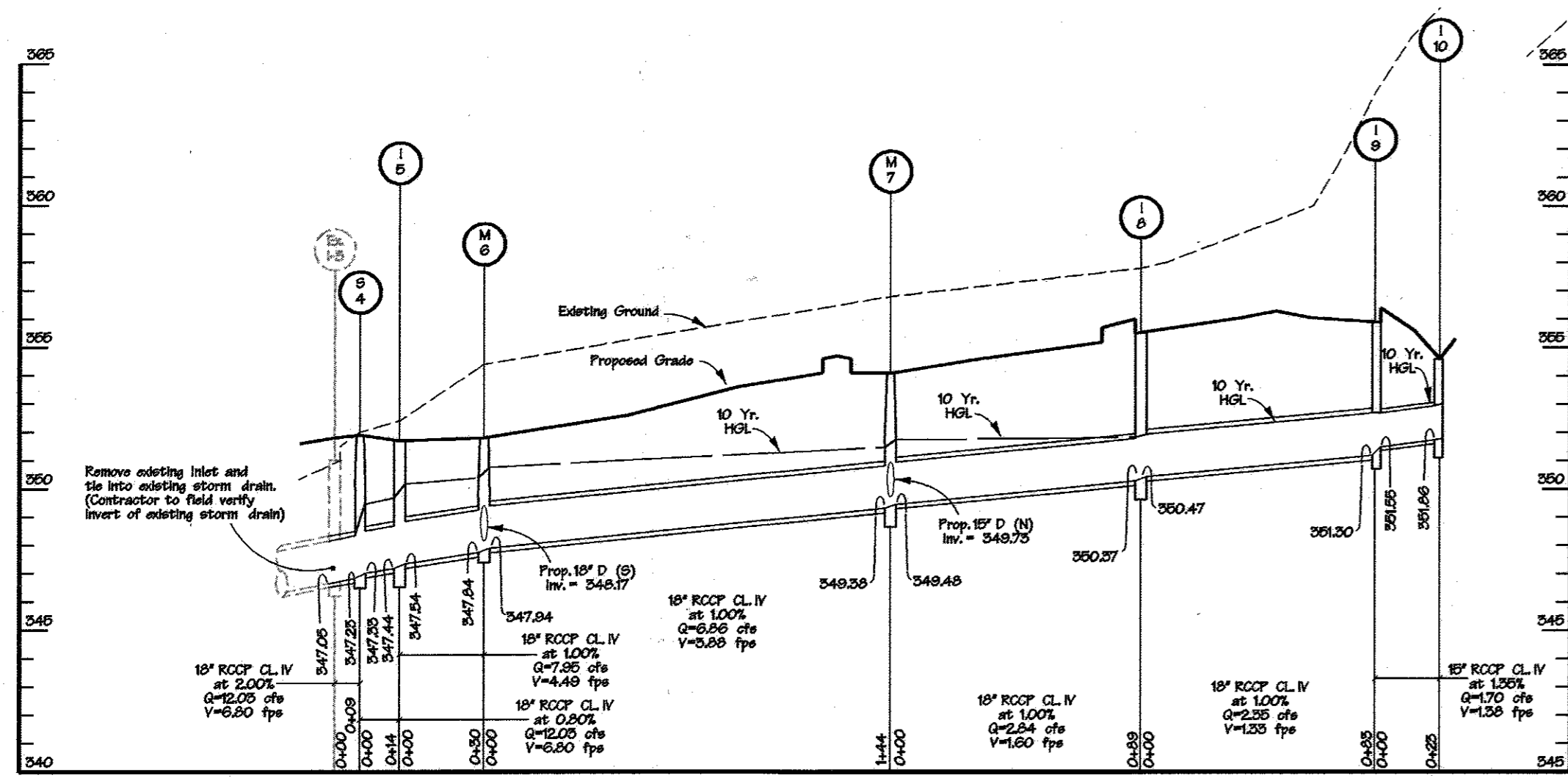
TITLE
LANDSCAPING PLAN AND DETAILS

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

FOR REVISIONS BY DMW/ING ONLY
 8-2-99 Date
 MELANIE MOSER
 LANDSCAPE ARCHITECT
 PROFESSIONAL LA # 551

APPROVED
 DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 11-17-88
 LKS

11-22-88 DATE
 REF: SDP 78-111 C
 DESIGNED BY: D.B.S.
 DRAWN BY: T.R.G.
 PROJECT NO: 54401
 DATE AUGUST 20, 1988
 SCALE 1" = 80'
 DRAWING NO 4 OF 7



SIZE	TYPE	LENGTH
15"	RCCP CL IV	120
18"	RCCP CL IV	368

OPERATION AND MAINTENANCE SCHEDULE FOR STORMCEPTOR WATER QUALITY DEVICE

- The Stormceptor water quality structure shall be periodically inspected and cleaned to maintain operation and function. The owner shall inspect the Stormceptor unit yearly at a minimum, utilizing the Stormceptor Inspection/Monitoring Form. Inspections shall be done using a clear Plexiglas tube ("sludge judge") to extract a water column sample. When the sediment depth exceeds the level specified in Table C of the Stormceptor Technical Manual, the unit must be cleaned.
- The Stormceptor water quality structure shall be checked and cleaned immediately after petroleum spills. The owner shall contact the appropriate regulatory agencies.
- The maintenance of the Stormceptor unit shall be done using a vacuum truck which will remove the water, sediment, debris, floating hydrocarbons and other materials in the unit. Proper cleaning and disposal of the removed materials and liquid must be followed by the owner.
- The inlet and outlet pipes shall be checked for any obstructions at least once every six months. If obstructions are found the owner shall have them removed. Structural parts of the Stormceptor unit shall be repaired as needed.
- The owner shall retain and make the Stormceptor Inspection/Monitoring Forms available to the Howard County officials upon their request.

Concrete Stormceptor® Order Request Form

TO BE INCLUDED ON SSM PLAN BY DESIGNER

Contractor Information

Name: Not Available

Address: _____

City: _____

State: _____

Zip Code: _____

Contact: _____

Phone: _____

Fax: _____

Owner Information

Wellsford Commercial Holdings, LLC
c/o Crystal Hill Development

Name: _____

Phone: **(410) 261-4442**

Fax: _____

IMPERVIOUS DRAINAGE AREA FOR THIS UNIT

Stormceptor® Model	Insert Size
STC 900 <input type="checkbox"/>	22" <input type="checkbox"/>
STC 1200 <input type="checkbox"/>	32" <input type="checkbox"/>
STC 1800 <input checked="" type="checkbox"/>	44" <input type="checkbox"/>
STC 2400 <input type="checkbox"/>	7200" <input type="checkbox"/>
	CUSTOM _____

Project Name 6301 STEVENS FOREST ROAD

Approximate time frame of delivery (weeks) _____

Delivery Address: Street SAME

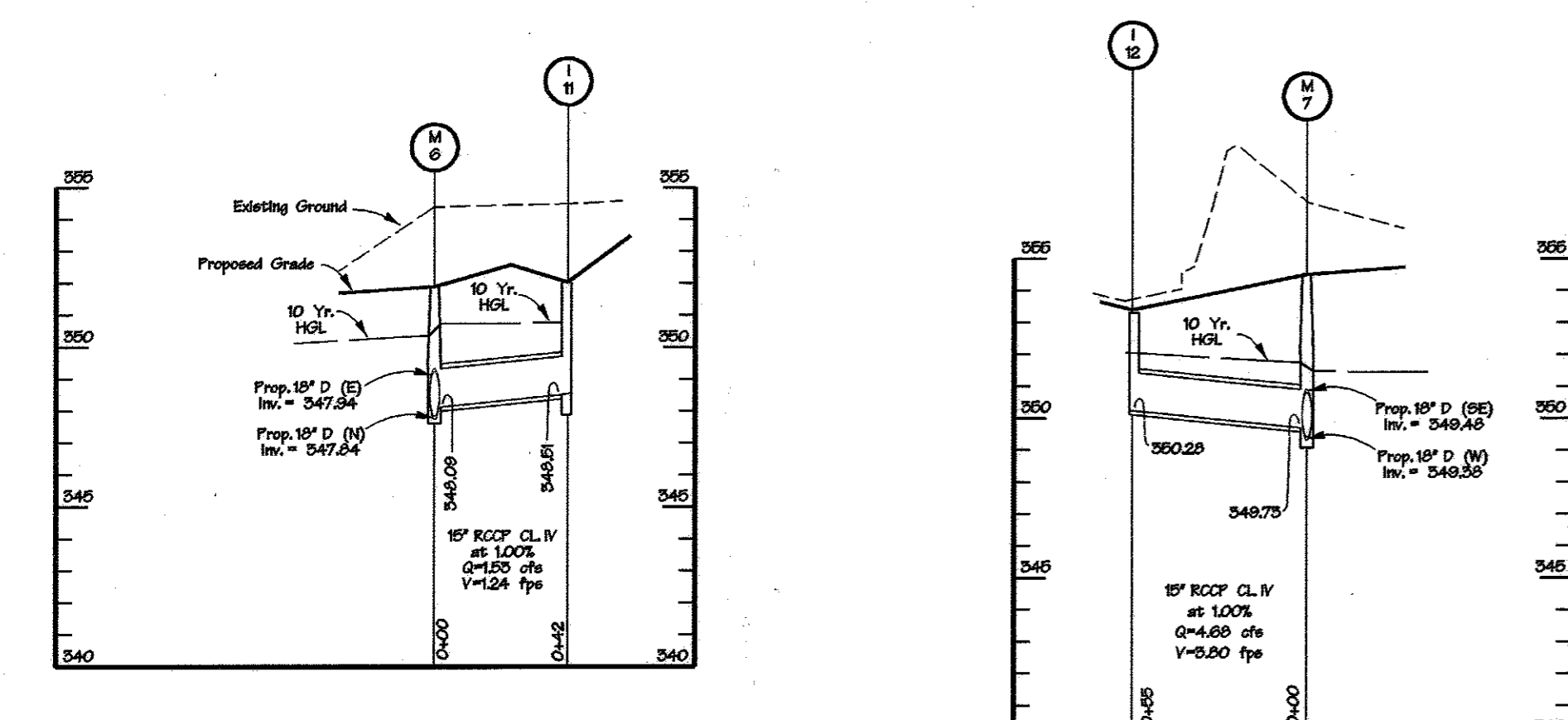
City: COLUMBIA State: MD Zip Code: 21046

Designer Company DAFT MCGUINE WALKER, Inc.

Designer Contact Mr. Robert Fernandez Phone (410) 296-3333 Fax (410) 296-4705

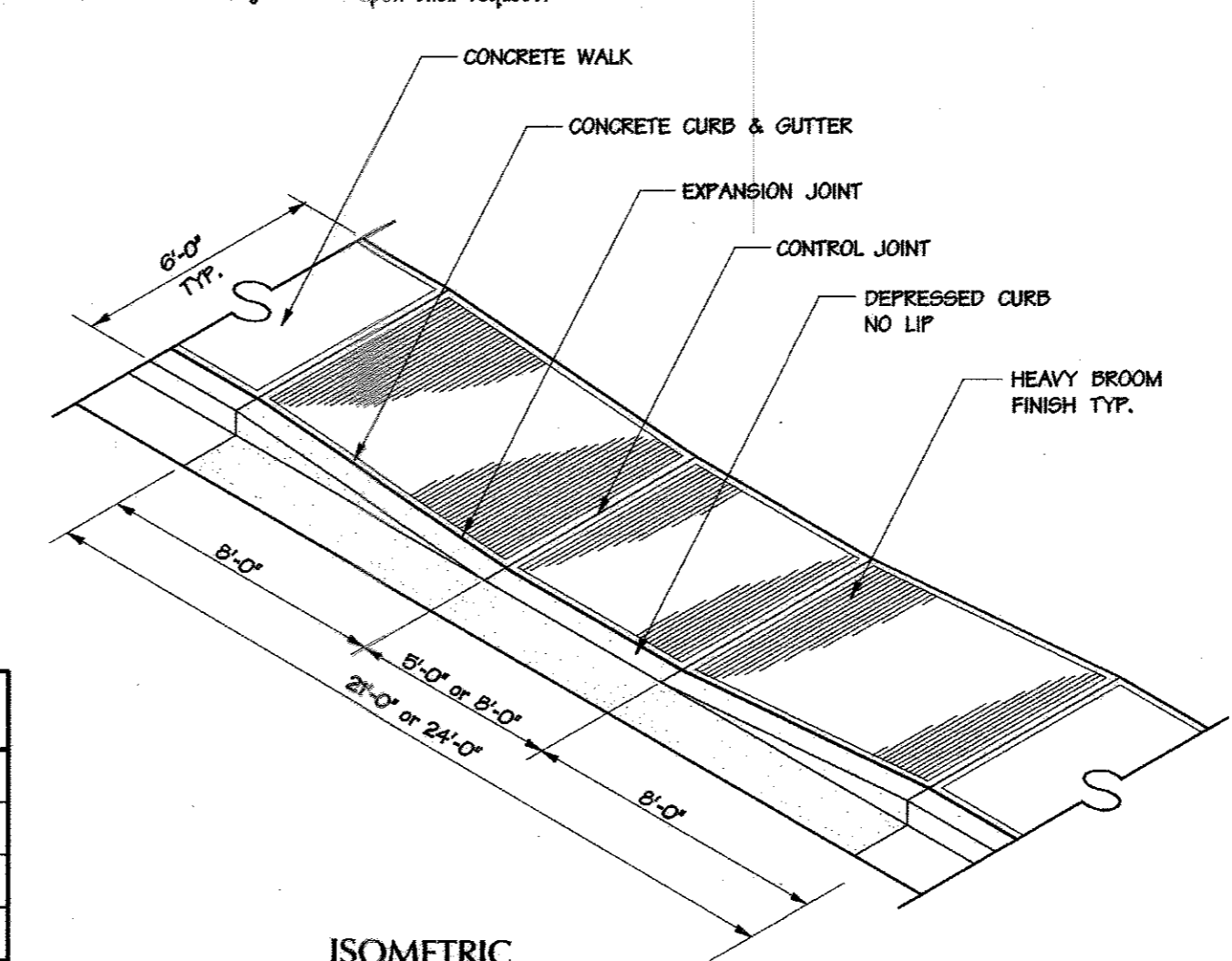
CSR Hydro Conduit

PLEASE FILL OUT COMPLETELY AND FAX TO:
ATTN: ED O'MALLEY FAX: (703)922-3659, PHONE: (703)313-6389
FOR TECHNICAL ASSISTANCE PLEASE CALL MIKE BARG, PHONE (703)313-6399



Structure Schedule

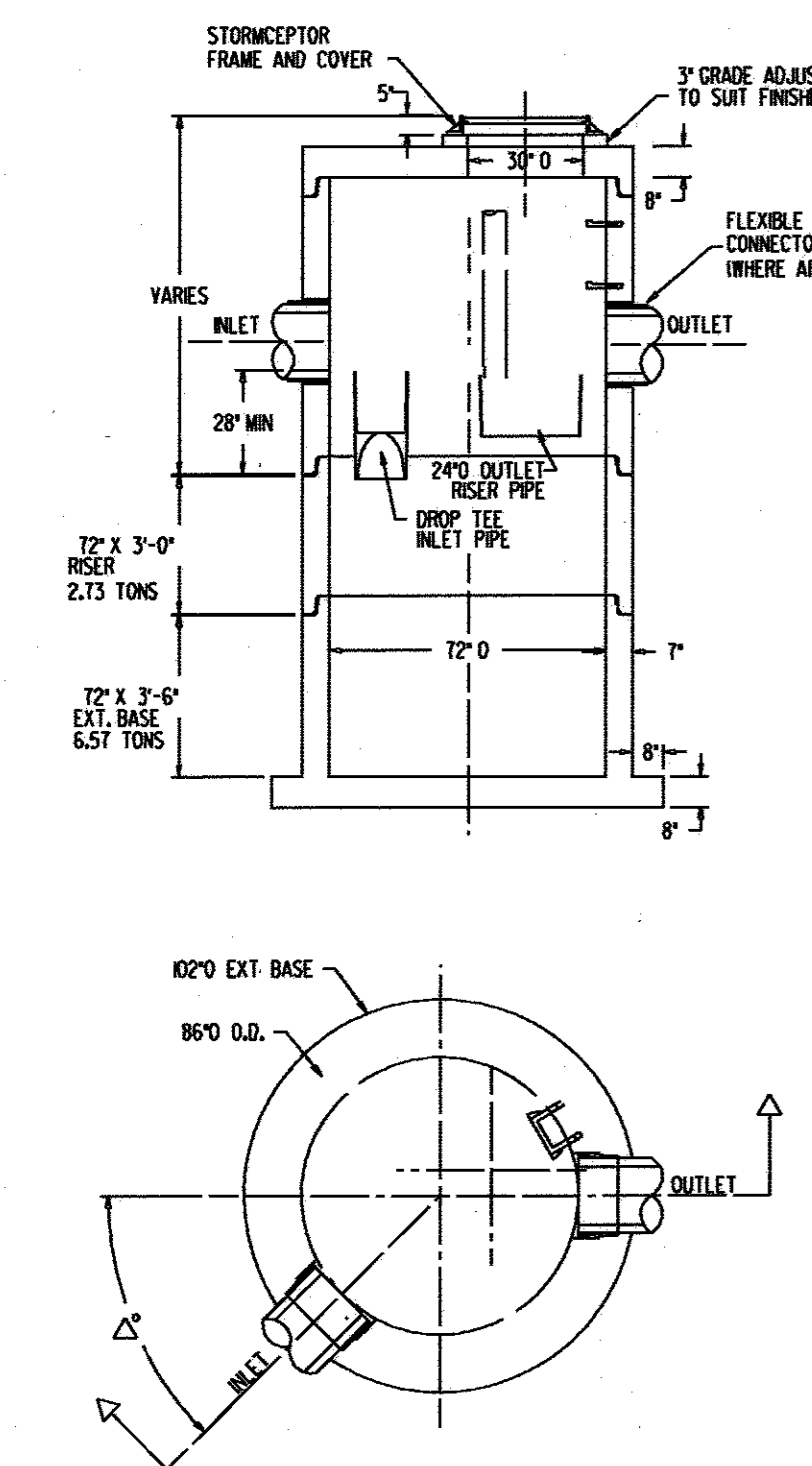
No.	Type	Inv. In	Inv. Out	Top Elev.	Remarks
S-4	Water Quality Structure	347.35	347.25	350.95	Stormceptor Model STC 1800
I-5	WR Inlet	347.54	347.44	* 351.20	Ho. Co. Std. SD-4.37
M-6	Std. 4'-0" Manhole	347.94	347.84	351.90	Ho. Co. Std. G-5.01
M-7	Std. 4'-0" Manhole	349.48	349.38	354.50	Ho. Co. Std. G-5.01
I-8	WR Inlet	350.47	350.37	* 356.40	Ho. Co. Std. SD-4.37
I-9	WR Inlet	351.55	351.50	* 356.80	Ho. Co. Std. SD-4.37
I-10	Yard Inlet		351.86	355.00	Ho. Co. Std. SD-4.14
I-11	WR Inlet		349.51	* 352.50	Ho. Co. Std. SD-4.37
I-12	'C' Inlet		350.26	353.30	Ho. Co. Std. SD-4.15



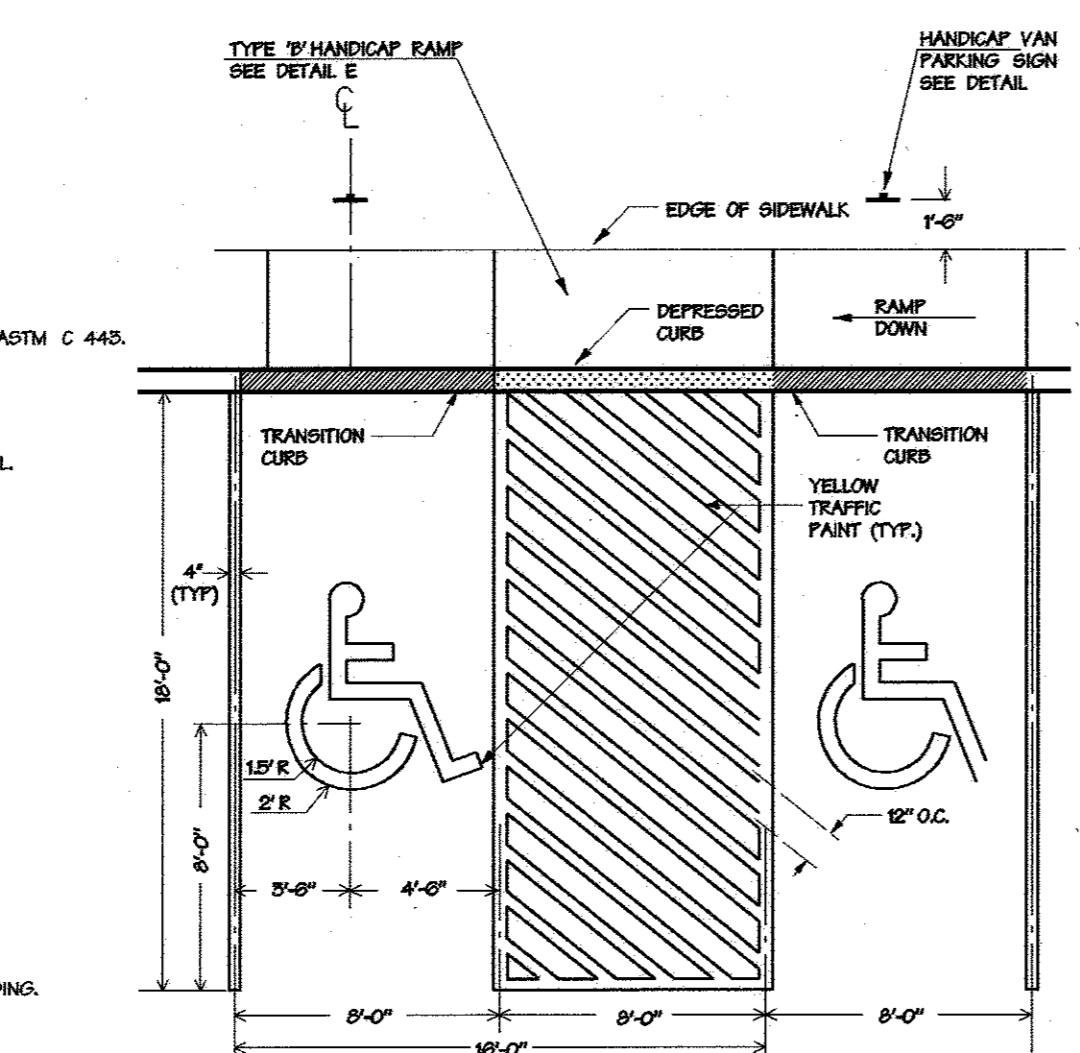
E TYPE "B" HANDICAPPED RAMP
NOT TO SCALE

Storm Drain Profiles

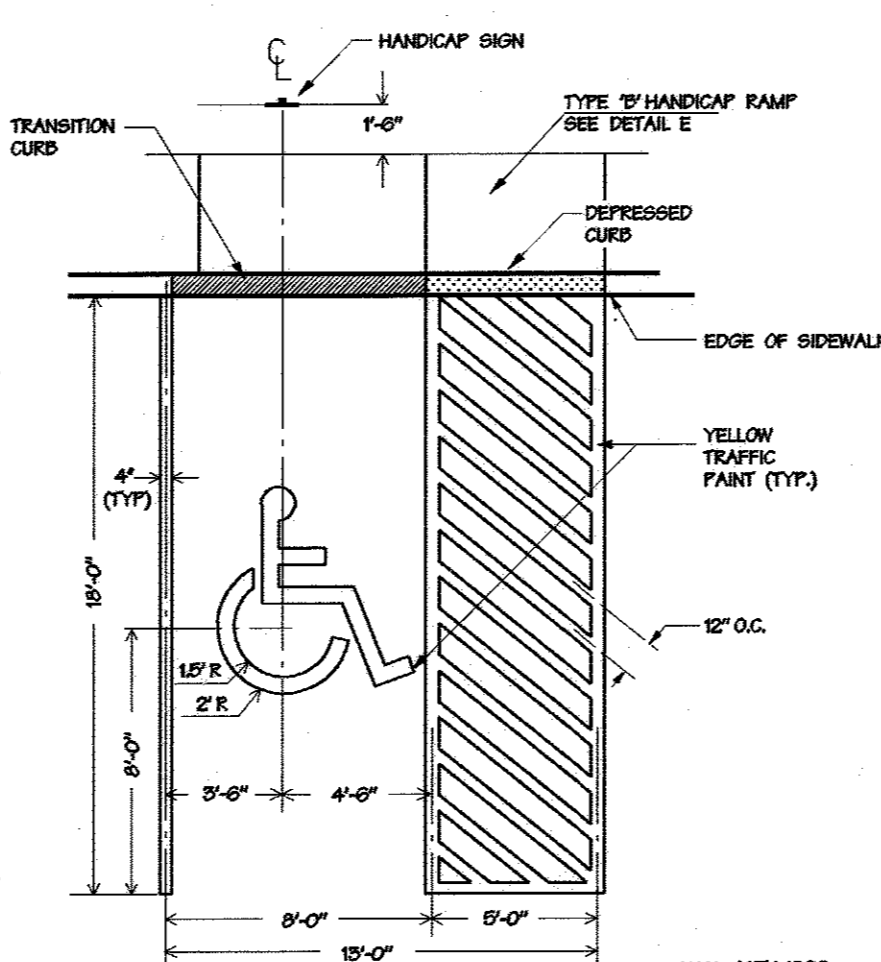
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.



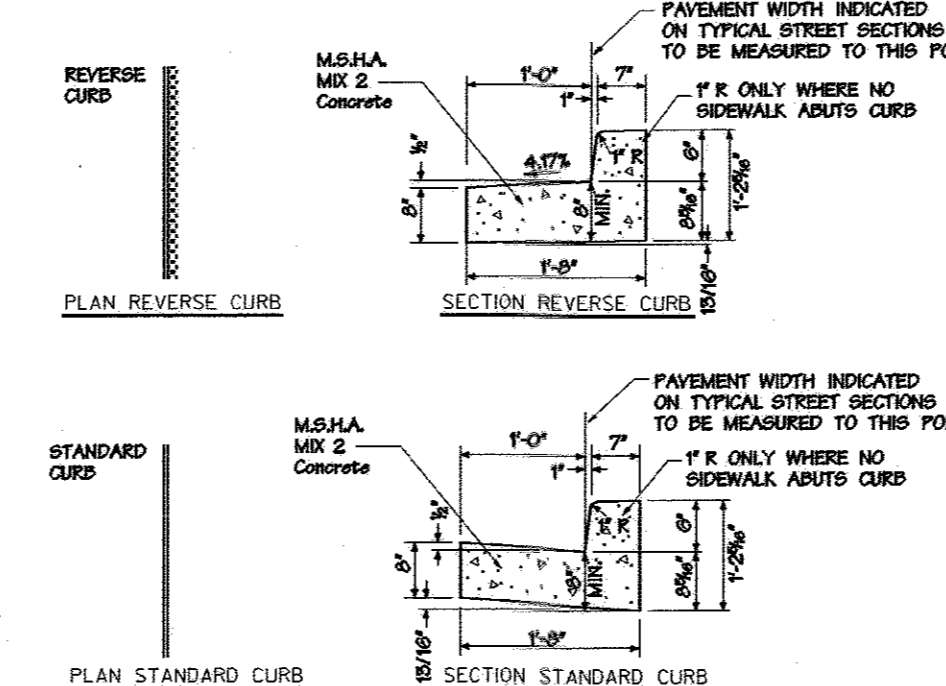
- GENERAL NOTES:**
- STORMCEPTOR SECTIONS SHALL CONFORM TO ASTM C 478, PROFILE GASKETED JOINTS CONFORMING TO ASTM C 443.
 - MANHOLE STEPS PROVIDED ABOVE INSERT @ 18" O.C. AND SHALL BE COPOLYMER POLYPROPYLENE PLASTIC ENCAPSULATED GR. 60 STEEL.
 - MINIMUM CONCRETE STRENGTH $f_c=4000$ PSI
MINIMUM STEEL STRENGTH $f_y=60000$ PSI
 - REINFORCEMENT DESIGN SHALL MEET ASTM C 925.
 - FLEXIBLE PIPE CONNECTORS SHALL MEET ASTM C 925.
 - HANDLING:
A. ALL RUBBERS SHALL HAVE 2 EA. 1/2" HOLES FOR LIFTING @ 1/2 WAY DOWN FROM SPIGOT.
B. ALL LG. DIAM. BASE SECTIONS FLATTOPS AND REDUCERS TO HAVE LIFT HOOPS.
7. DESIGNED FOR AASHTO H-20 LOADING.
 - FIBERGLASS STORMCEPTOR INSERT REFERENCE DRAWING # CA-0225-01.



A Handicap Parking: Van & Standard
Not to Scale

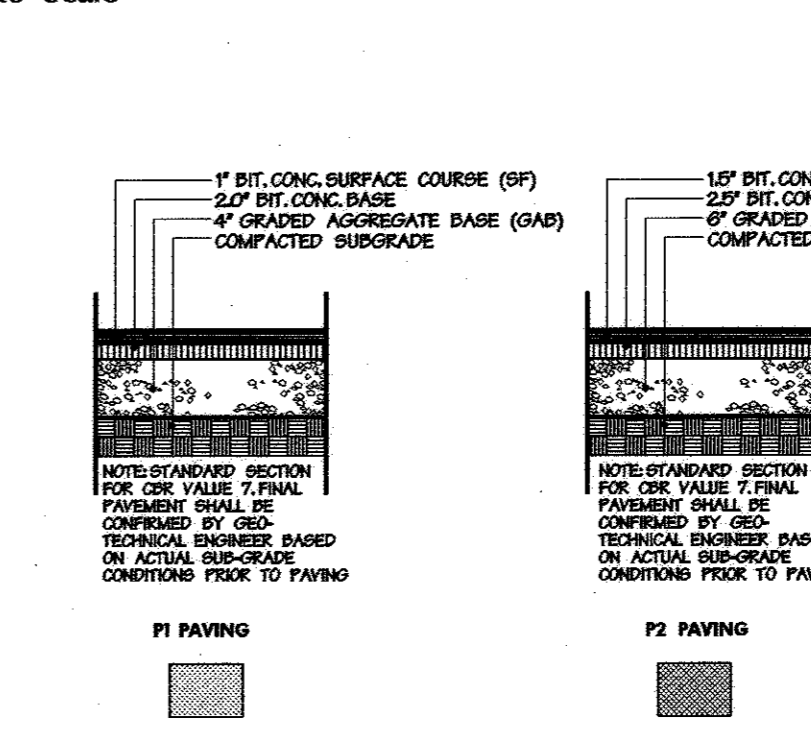


D Handicap Parking Space
Not to Scale



C Concrete Curb, Typical
Not to Scale

K Service Pad & Dumpster Bin
Not to Scale



F Paving
Not to Scale

Precast Concrete Stormceptor – STC 1800

NOTE: CURRENT SITE CONDITIONS, AS OF SEPTEMBER 2016, CAN BE FOUND ON SHEET 7 OF SDP-78-111.

4/2/99
Date

Professional Engr. No. 10551

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION 8/16/99 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT 8/16/99 DATE

DIRECTOR 8/16/99 DATE

Date: _____ No. _____

6301 Stevens Forest Road
HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER:
Wellsford Commercial Holdings, LLC
c/o Crystal Hill Development
10015 Old Columbia Road
Columbia, Maryland 21046

DMW
Daft-McGuine-Walker, Inc.
300 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4705

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

SUBDIVISION NAME VILLAGE OF OWEN BROWN	SECTION AREA 5.71	LOT # 6758	SECTION # 14	TAX MAP # COMM	TAX DISTRICT 6th	ORIGINATOR 6061.02
WATER CODE E-13	SEWER CODE 5450000	TITLE SITE DETAILS & PROFILES				

Des By: CSC	Scale: AS SHOWN	Proj. No.: 98130 B
Drn By: JMH/CMR	Date: 5-26-99	Sheet 5 of 7
Chk By:	Approved:	

Mon Aug 2 13:36:25 1999 n:\98130a\98130a.dwg SDP 89-45

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

DEFINITION

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

PURPOSE

To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

CONDITIONS WHERE PRACTICE APPLIES

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.

For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

1. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-GRS in cooperation with Maryland Agricultural Experiment Station.

2. Topsoil Specifications - Soil to be used as topsoil must meet the following:

- Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of clinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1-1/2" in diameter.

2. Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutcracker, poison ivy, thistle, or others as specified.

3. Where the subsoil is either highly acidic or composed of heavy clay, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

4. For sites having disturbed areas under 5 acres:

1. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:

- pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
- Organic content of topsoil shall be not less than 1.5 percent by weight.
- Topsoil having soluble salt content greater than 500 parts per million shall not be used.
- No seed or seed shall be placed on soil which has been treated with soil sterilant or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phytotoxic materials.

Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

ii. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

V. Topsoil Application

i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, about 4% - 8% higher in elevation.

iii. Topsoil shall be uniformly distributed in a 4% - 8% layer and lightly compacted to a minimum thickness of 4%. Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

v. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

- Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
 - Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
 - Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a Ph of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
 - Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
 - Composted sludge shall be amended with a potassium fertilizer applied at a rate of 4 lbs/1,000 square feet, and 1/3 the normal lime application rate.

References: Guidelines Specifications, Soil Preparation and Seeding, MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institute, Revised 1975.

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

Cheryl Simmons 8/3/99
U.S. NATURAL RESOURCE CONSERVATION SERVICE DATE

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

John R. Britton 8/3/99
HOWARD S.C.D. DATE

CERTIFICATION BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

John M. Rawkins, S. 8/2/99
DATE

CERTIFICATION BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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 SOIL CONSERVATION DISTRICT.

Frederick W. Islandy 8/3/99
DATE

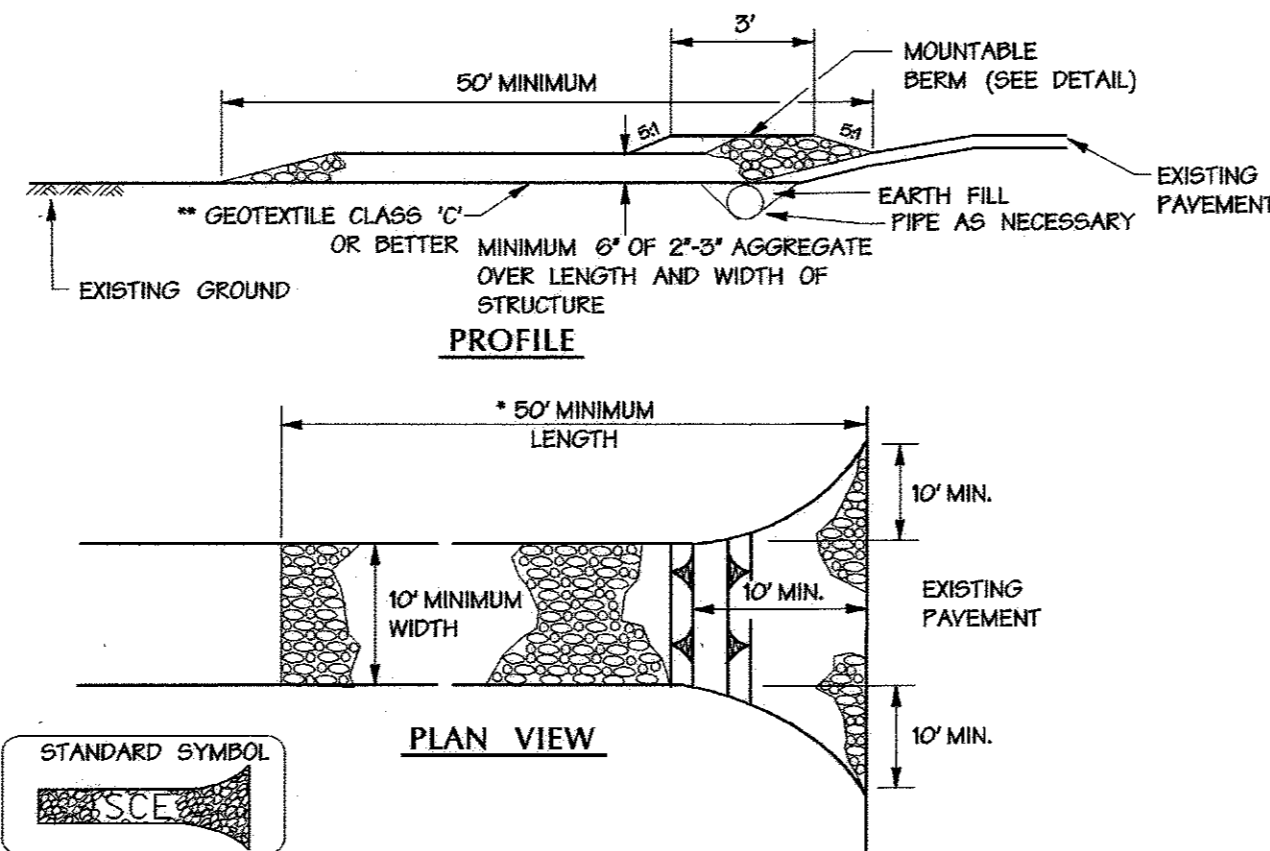
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

F - 17 - 3

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Stabilized Construction Entrance

Not To Scale



CONSTRUCTION SPECIFICATIONS

- LENGTH - MINIMUM OF 50' (30' FOR SINGLE RESIDENCE LOT).
- WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- GEOTEXTILE FABRIC CLASS C (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. **THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
- STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
- SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
- LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

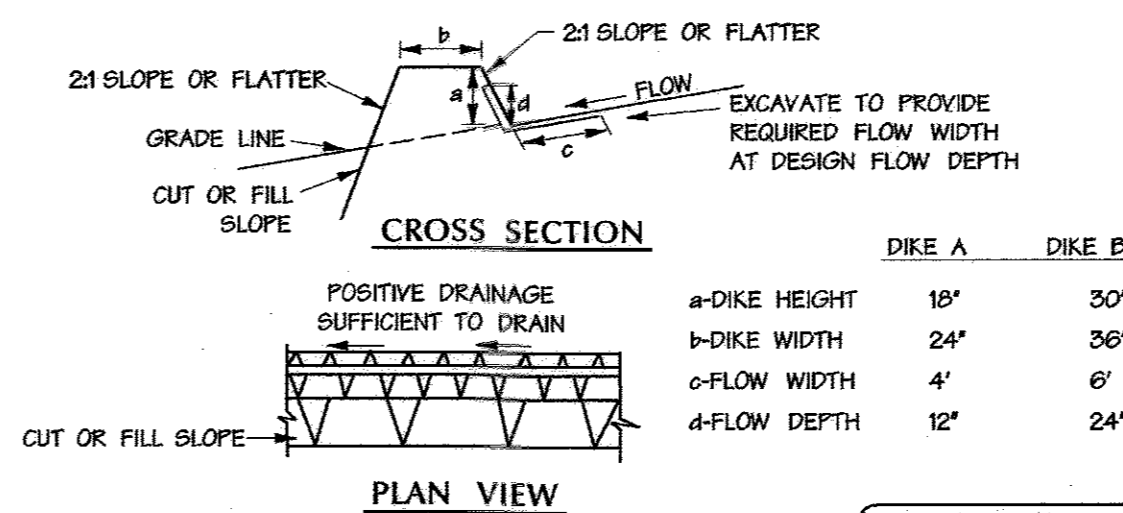
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

A - 1 - 6

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Earth Dike

Not To Scale



FLOW CHANNEL STABILIZATION GRADE 0.5% MIN. 10% MAX.

- SEED AND COVER WITH STRAW MULCH.
- SEED AND COVER WITH EROSION CONTROL MATTING OR LINE WITH SOD.
- 4" - 7" STONE OR RECYCLED CONCRETE EQUIVALENT PRESSED INTO THE SOIL 7" MINIMUM.

CONSTRUCTION SPECIFICATIONS

- ALL TEMPORARY EARTH DIKES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%.
- RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED, STABILIZED AREA AT A NON-EROSIVE VELOCITY.
- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONAL MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIKE.
- THE DIKE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPED NORMAL FLOW.
- FILL SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIKE.
- INSPECTION AND MAINTENANCE MUST BE PROVIDED PERIODICALLY AND AFTER EACH RAIN EVENT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

E - 15 - 5A

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Silt Fence

Not To Scale

SLOPE STEEPNESS	(MAXIMUM) SLOPE LENGTH	(MAXIMUM) SILT FENCE LENGTH
FLATTER THAN 50:1 (2%)	UNLIMITED	UNLIMITED
50:1 TO 10:1 (2-10%)	125 FEET	1,000 FEET
10:1 TO 5:1 (10-20%)	100 FEET	750 FEET
5:1 TO 3:1 (20-33%)	60 FEET	500 FEET
3:1 TO 2:1 (33-50%)	40 FEET	250 FEET
2:1 AND STEEPER (> 50%)	20 FEET	125 FEET

NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.

DUST CONTROL SPECIFICATIONS

- TEMPORARY METHODS:
- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
 - VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
 - TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
 - IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST, REPEAT AS NEEDED. AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THE RUNOFF BEGINS TO FLOW.
 - BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, STRAW DALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
 - CALCIUM CHLORIDE - APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.
- PERMANENT METHODS:
- PERMANENT VEGETATION - SEE STANDARDS FOR PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION WITH SOD, EXISTING TREES OR LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
 - TOPSOILING - COVERING WITH LESS EROSION SOIL MATERIALS. SEE STANDARDS FOR TOPSOILING.
 - STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

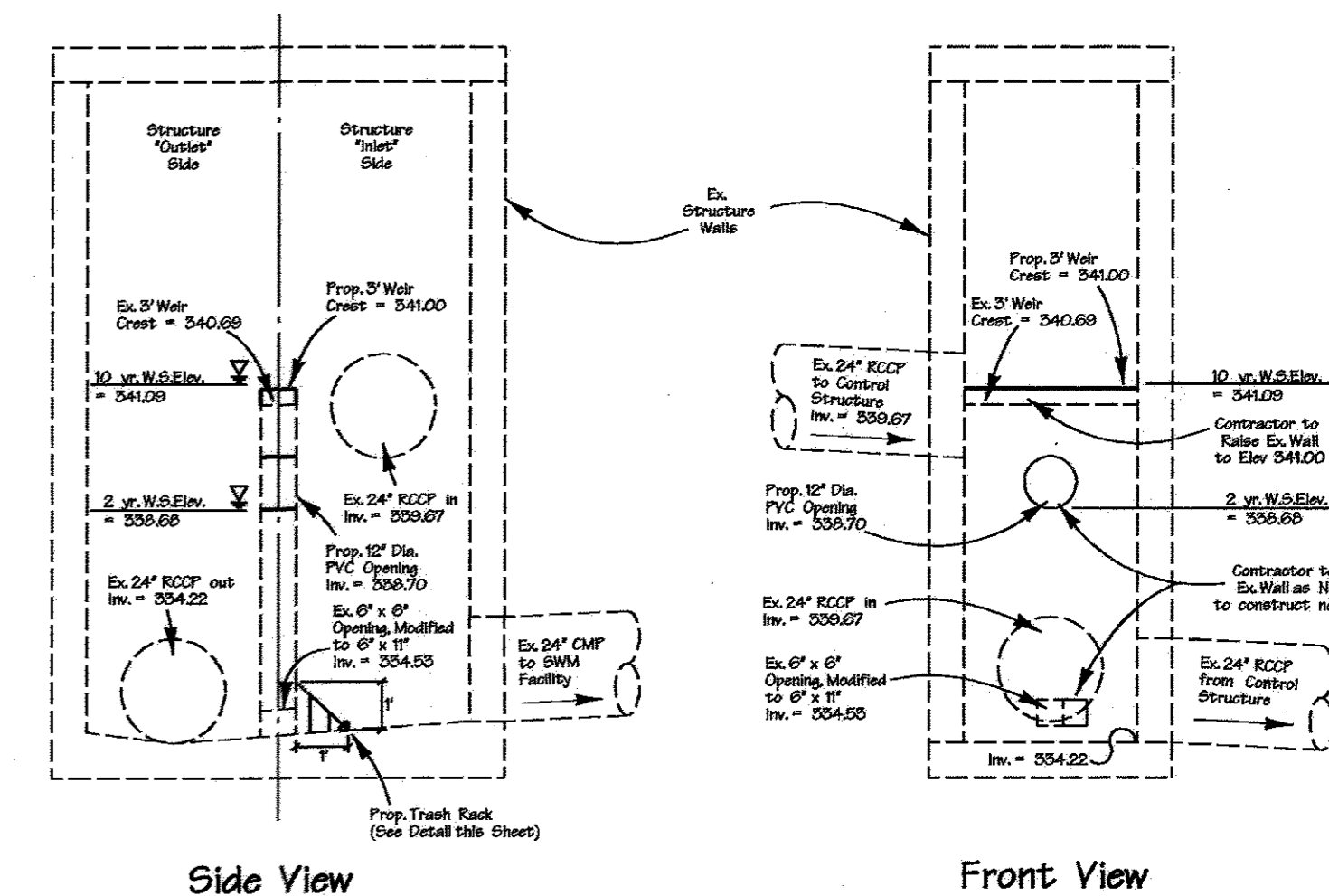
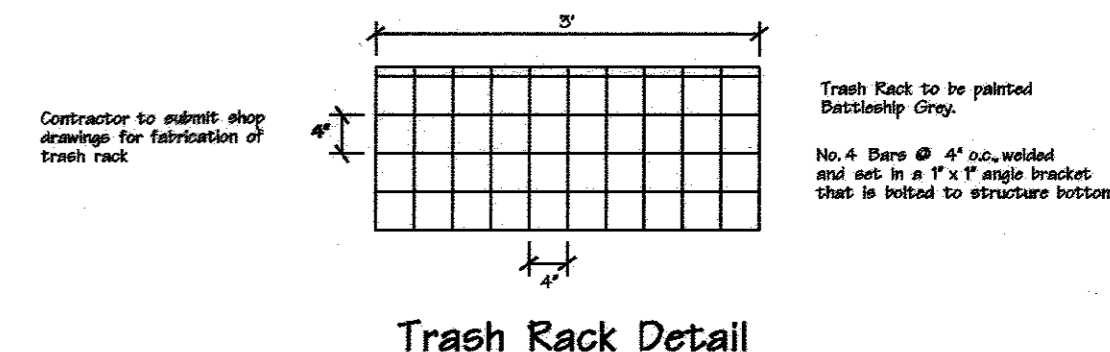
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

H - 30 - 1

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Dust Control Specifications

Not To Scale



Side View

Front View

Modified Control Structure (S-1) Not to Scale

NOTE: CURRENT SITE CONDITIONS, AS OF SEPTEMBER 2016, CAN BE FOUND ON SHEET 7 OF SDP-78-111.

8/2/99
Date

Professional Engr. No. 10551

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Cheryl Simmons 8/3/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

John M. Rawkins, S. 8/6/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Frederick W. Islandy 8/3/99
DIRECTOR DATE

Date No.

6301 Stevens Forest Road
HOWARD COUNTY, MARYLAND

OWNER /DEVELOPER:
Wellsford Commercial Holdings, LLC
c/o Crystal Hill Development
10015 Old Columbia Road
Columbia, Maryland 21046

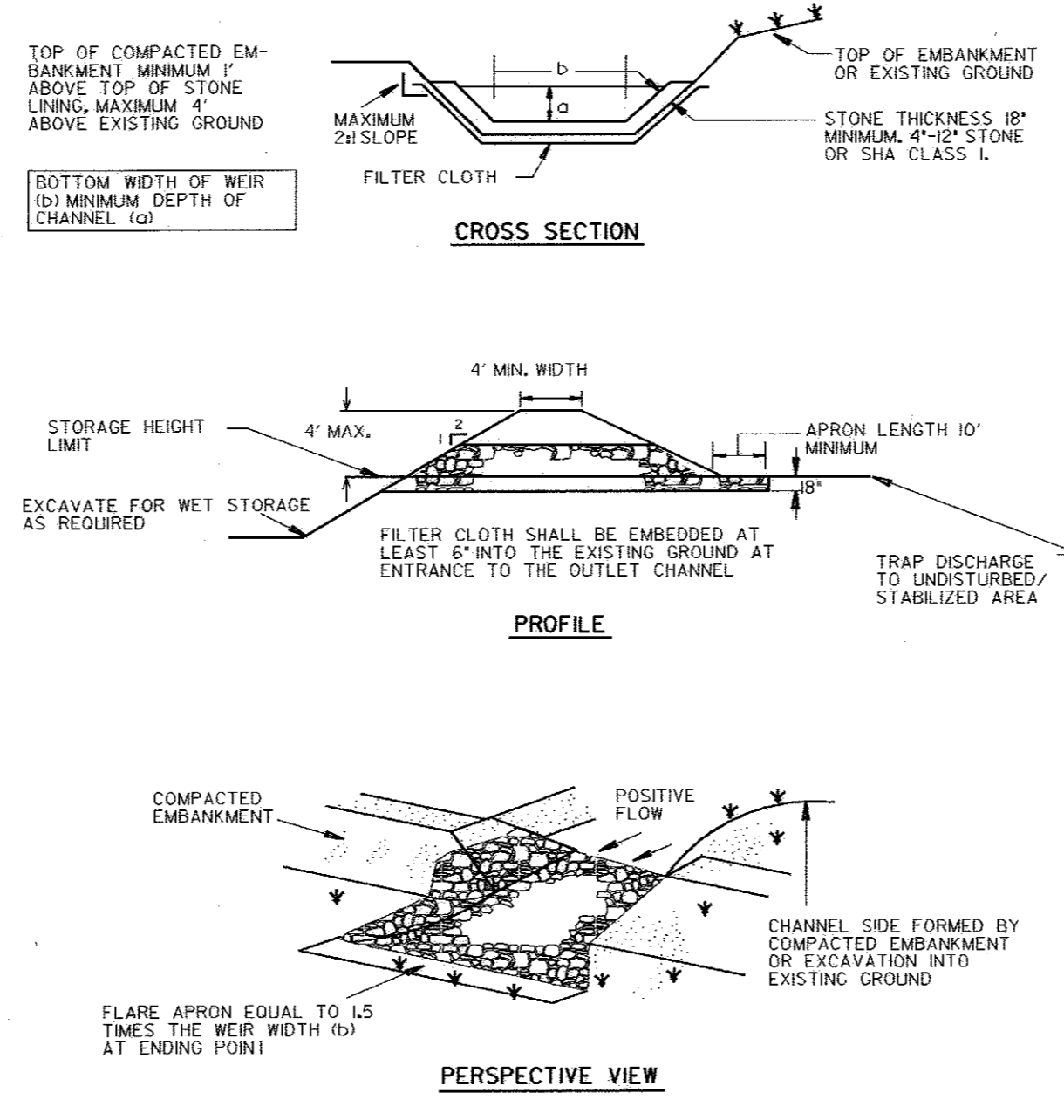
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200 East Pennsylvania Avenue
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(410) 286-3333
Fax 286-4705

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

SUBDIVISION NAME: VILLAGE OF OWEN BROWN
TRACT OR LOT: 6752
BLOCK # (TOWN #): 14
SECTION: COMM
SECTION MAP: 38
DIST. OR INCH: 60H
OWNER TRACT: 6061.02
OWNER CODE: E-13
OWNER CODE: 5450000

EROSION & SEDIMENT CONTROL DETAILS & SPECIFICATIONS

Des By: CSC Scale: AS SHOWN Proj. No.: 98130 B
Dm By: JMHCMR Date: 5-26-99 Sheet 6 of 7
Chk By: Approved



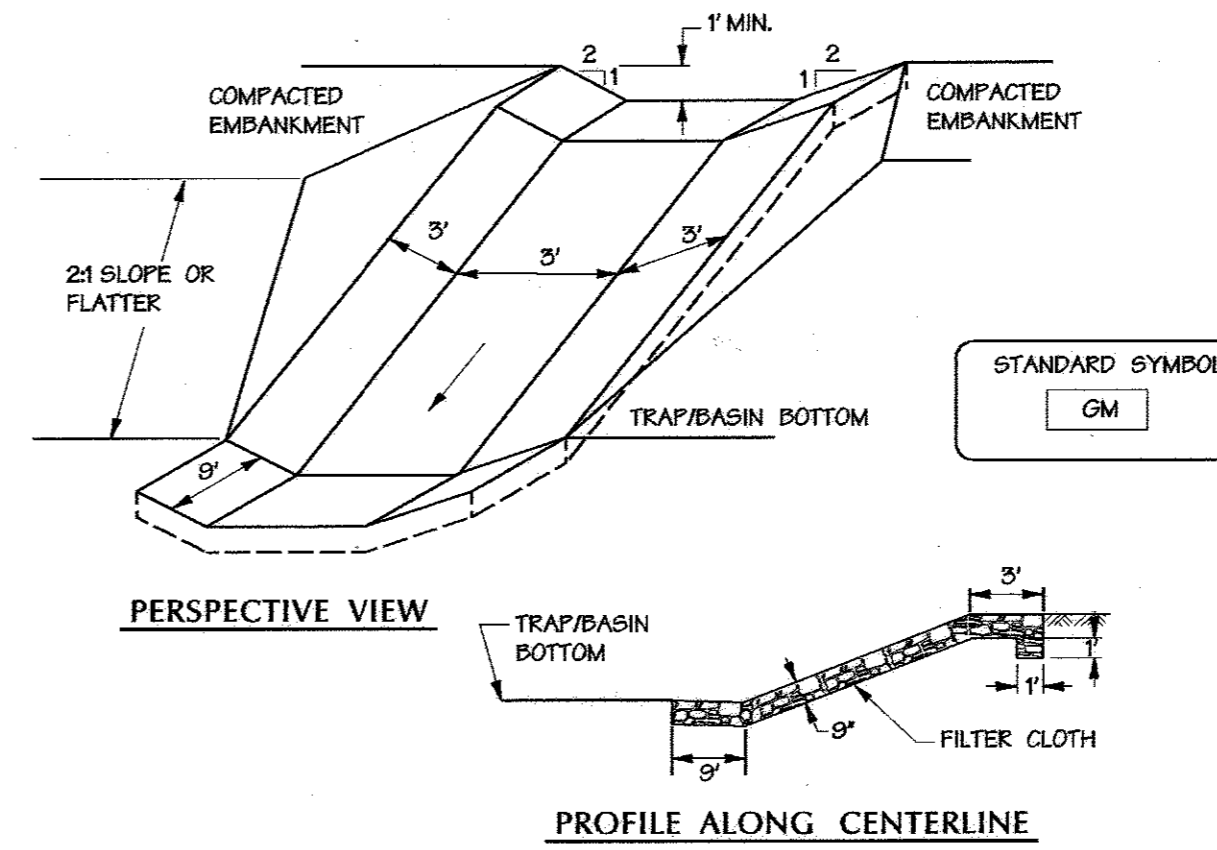
NOTE: MAXIMUM DRAINAGE AREA = 10 ac.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE C-9-13 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
RIP-RAP OUTLET SEDIMENT TRAP - ST III

Construction Specifications

- The 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. Maximum height of embankment shall be 4', measured at centerline of embankment.
- All cut and fill slopes shall be 2:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of trap embankment.
- Storage area provided shall be figured by computing the volume measured from top of excavation. (For storage requirements see Table 10).
- Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Section of fabric must overlap at least 1' with section nearest the entrance placed on top. Fabric shall be embedded at least 6' into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be 4" - 7" placed 18" thick.
- Outlet - An outlet shall be provided, which includes a means of conveying the discharge in an erosion free manner to an existing stable channel. Protection against scour at the discharge end shall be provided as necessary.
- Outlet channel must have positive drainage from the trap.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/4 of the wet storage depth of the trap (350 cf/ac). Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected periodically after each rain and repaired as needed.
- Construction of traps shall be carried out in such a manner that sediment pollution is abated. Once constructed, the top and outside face of the embankment shall be stabilized with seed and mulch. Points of concentrated inflow shall be protected in accordance with Grade Stabilization Structure criteria. The remainder of the interior slopes should be stabilized (one time) with seed and mulch upon trap completion and monitored and maintained erosion free during the life of the trap.
- The structure shall be dewatered by approved methods, removed and the area stabilized when the drainage area has been properly stabilized.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE C-9-13A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
RIP-RAP OUTLET SEDIMENT TRAP - ST III



CONSTRUCTION SPECIFICATIONS

- GABION INFLOW PROTECTION SHALL BE CONSTRUCTED OF 9' X 3' X 9' GABION BASKETS FORMING A TRAPEZOIDAL CROSS SECTION 1' DEEP, WITH 2:1 SIDE SLOPES, AND A 2' BOTTOM WIDTH.
- GEOTEXILE CLASS C SHALL BE INSTALLED UNDER ALL GABION BASKETS.
- THE STONE USED TO FILL THE GABION BASKETS SHALL BE 4" - 7".
- GABIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- GABION INFLOW PROTECTION SHALL BE USED WHERE CONCENTRATED FLOW IS PRESENT ON SLOPES STEEPER THAN 4:1.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE B-7-2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Gabion Inflow Protection

Not To Scale

Sediment Control General Notes

NOTE: CURRENT SITE CONDITIONS AS OF SEPTEMBER 2016, CAN BE FOUND ON SHEET 7 OF SDP-78-III.

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (303-1695).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - A SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1.
 - FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAP/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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS, SOCS, TEMPORARY SEEDINGS AND MULCHING (SECTION G); 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 OR SITE	5.91	ACRES
AREA DISTURBED	2.2	ACRES
AREA TO BE ROOFED OR PAVED	1.2	ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.0	ACRES
TOTAL CUT	7705	CUBIC YARDS
TOTAL FILL	155	CUBIC YARDS
OFF-SITE WASTE/BORROW AREA LOCATION WASTE	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 CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY 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.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

8/2/99
Date

Professional Engr. No. 10351

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 8/17/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 8/16/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 8/9/99
DIRECTOR DATE

Date	No.

6301 Stevens Forest Road
 HOWARD COUNTY, MARYLAND

OWNER /DEVELOPER:
 Wellsford Commercial Holdings, LLC
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PROJECT NAME VILLAGE OF OWEN BROWN	SECTION AREA 5.71	DATE 8/17/99	PARCEL # D-2
TOWNSHIP E-13	SECTION 14	TRACT COMM	DATE 8/16/99
DATE 8-13	SCALE AS SHOWN	PROJECT NO. 5450000	DATE 8/16/99

**EROSION & SEDIMENT CONTROL
 DETAILS & SPECIFICATIONS**

Des By: CSC Scale: AS SHOWN Proj. No: 98130 B
 Dwn By: JMH/CMR Date: 5-26-99
 Chk By: Approved Sheet 7 of 7

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

[Signature] 8/3/99
U.S. NATURAL RESOURCE CONSERVATION SERVICE DATE

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

[Signature] 8/3/99
HOWARD S.C.D. DATE

CERTIFICATION BY THE ENGINEER:
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT.

[Signature] 8/2/99
DATE

CERTIFICATION BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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 SOIL CONSERVATION DISTRICT.

[Signature] 8/3/99
DATE