

GENERAL NOTES

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- The contractor is to notify the following utilities or agencies at least five days before starting work on these drawings:
 - Miss Utility 1-800-257-7777
 - Bell Atlantic Telephone company: 1-888-506-4301
 - Howard County Bureau of Utilities: 313-2366
 - AT&T Cable Location Division: 393-3553
 - B.G.&E. Co. Contractor Services: 850-4620
 - B.G.&E. Co. Underground Damage Control: 787-4620
 - State Highway Administration: 531-5533
- Site analysis:
 - Area of parcel : 3.0253 Ac.±
 - Present zoning : B-1
 - Use of structure : General Retail and Restaurant
 - Proposed Building area : 4,920sf
 - Proposed Building coverage on site : 0.11 Ac. or 3.7% of gross area
 - Proposed Paved parking lot/area : 0.59 Ac. or 20% of gross area
 - Area of Proposed landscape island : 0.03 Ac. ± 1,160sf
 - Area of 15.0%-24.9% slopes on site : 6,832sf, see sheet 5 of 10
 - Area of 25.0%-50.0% slopes on site : 22,855sf, see sheet 5 of 10
 - Total Contiguous area of 25.0%-50.0% slopes on site : 17,340sf
- Project background:
 - Location : Ellicott City, Md.; Tax Map 24, Parcel 395 / B
 - Zoning : B-1
 - Subdivision : Parcel B-Ellicott Investment, Inc.
 - Section/Area : N/A
 - Site Area : 3.0253 Acres±
 - DPZ references : SDP-97-140; SDP-84-237; F-85-162; F-97-184
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1850 at least five (5) working days prior to start of work.
- Any damage to public rights-of-way, paving, or existing utilities will be corrected at the contractor's expense.
- Existing utilities located from Road Construction Plans, Field Surveys, Public Water and Sewer Extension Plans and available record drawings. Approximate location of existing utilities are shown for the contractor's information. Contractor shall locate existing utilities well in advance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the contractor's expense.
- All reinforced concrete for storm drain structures shall have a minimum of 28 days strength of 3,500 p.s.i.
- Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
- Estimates of earthwork quantities are provided solely for the purpose of calculating fees.
- Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer. Geotechnical Engineer to confirm acceptability of proposed paving section, based on soil test prior to construction.
- All storm drain pipe bedding shall be Class 'C'.
- The existing topography is taken from field run survey with two foot contour intervals prepared by Marks & Vogel Associates, Inc. dated January, 1997 and by Vogel & Associates, Inc. dated May, 2000. The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. 24AA and 24B5 were used for this project.
- A noise study is not required for this project.
- All paving to be per details, sheet 6 of 10, see detail sheet 2 of 10 for limits.
- All curb and gutter to be Howard County Standard concrete Detail 3.01 unless otherwise specified.
- Contractor responsible to construct all handicap parking and handicap access in accordance with current ADA requirements. All entrances on front of Proposed Addition to have handicap access and a 5' level area (max. 2.0% grade) in front of the entrance.
- Where drainage flows away from curb, contractor to reverse the gutter pan.
- All elevations are to flowline/bottom of curb unless otherwise noted.
- All dimensions are to face of curb unless otherwise noted.
- Public Water available from existing building (6" Water) SDP-97-140. Exact location to be determined by the Architect. Public Sewer available from existing parking lot (6" Sewer) SDP-97-140.
- Stormwater Management provided under SDP-84-237.
- The existing SWM Pond on Parcel B to be maintained by those who share benefit of Pond as described in Liber 1270 Folio 86.
- All exterior lighting shall conform to Zoning Regulations Section 134.
- Building to utilize existing Water Meter setting in Ex. Building (SDP-97-140).
- APFO traffic test prepared by The Traffic Group on June 29, 2000.
- Geotechnical report prepared by Herbst/Benson & Associates on June 25, 2000.
- Adjust existing storm drain structures as shown on chart on sheet 2 of 10.
- No clearing, grading or construction is permitted within the wetlands, stream or their buffers (see General Note #32).
- Forest Conservation obligations in accordance with Section 16.1202 of the Howard County Code and Forest Conservation Manual is met by the filing of a Declaration of Intent for clearing of less than 40,000 sf of forest on a single lot.
- The proposed disturbance to the wetlands and wetland buffer for the SWM outfall pipe was determined to be an essential disturbance in accordance with Section 16.116 (c) of the Howard County Subdivision and Land Development Regulations.
- Retaining Walls to have guards placed on top where necessary, see details sheet 4 of 10.
- Landscape in accordance with Section 16.124 of the Howard County Code and Landscape Manual will be provided as shown. Surety in the amount of \$5,100.00 will be made part of the Developer's Agreement.

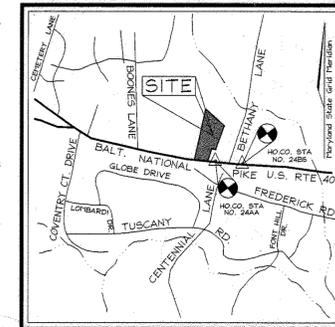
SITE DEVELOPMENT PLAN

BETHANY SQUARE

PHASE II

LEGEND

- Existing Contour
- Proposed Contour
- Proposed Spot Elevation
- Direction of Flow
- Existing Trees to Remain
- Light Poles
- Concrete
- Stormwater Management Area

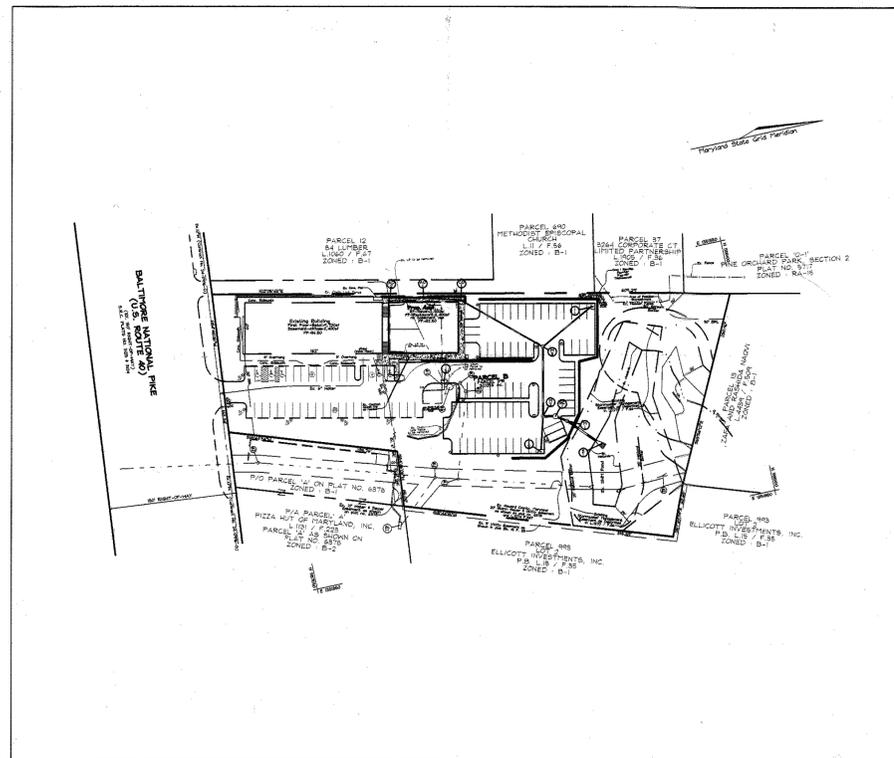


BENCHMARKS

Howard County Station 24B5
 N 586,956.263 E 1,356,570.823
 Elevation 390.965
 Howard County Station 24AA
 N 587,380.636 E 1,352,603.649

SHEET INDEX

DESCRIPTION	SHEET NO.
Cover Sheet	1 of 11
Site Development Plan	2 of 11
Sediment and Erosion Control Plan	3 of 11
Sediment and Erosion Control Details	4 of 11
Storm Drain Drainage Area Map	5 of 11
Storm Drain Profiles and Miscellaneous Details	6 of 11
Landscape Plan	7 of 11
Retaining Wall Details	8 of 11
Retaining Wall Details	9 of 11
Retaining Wall Details	10 of 11
MISCELLANEOUS DETAILS	11 of 11

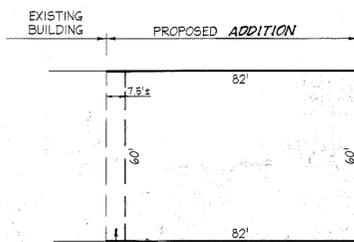


LOCATION MAP

SCALE: 1"=100'

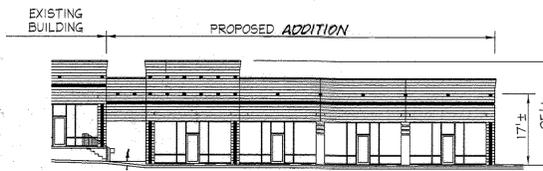
PARKING TABULATION

Existing Building	REQUIRED	EXISTING
SHOPPING CENTER: 12,503 SF: 0 SPACES/1,000 SF= 75 SPACES		56 SPACES
Total Spaces=	75 spaces	56 spaces
Handicap Spaces=	3 spaces/1 Van	3 spaces/1 Van
Proposed Addition	REQUIRED	PROPOSED
SHOPPING CENTER: 4,920 SF: 0 SPACES/1,000 SF= 30 SPACES		50 SPACES
Total Spaces=	30 spaces	50 spaces
Handicap Spaces=	2 spaces/1 Van	2 spaces/1 Van
Overall Total Spaces=	105 spaces	106 spaces
Overall Handicap Spaces=	5 spaces/2 Van	5 spaces/2 Van



BUILDING PLAN VIEW

SCALE: 1"=30'



BUILDING ELEVATION

SCALE: 1"=20'

* Breezeway area not to be used for retail sales purposes

As-Built For Stormceptor



OWNER/DEVELOPER

Conily Corporation
 Sergio Acle (President)
 10132 Baltimore National Pike
 Ellicott City, MD 21042
 410.461.4400

ADDRESS CHART

STREET ADDRESS
 Existing Building - 10132 Baltimore National Pike

SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER			
Parcel B-Ellicott Investment, Inc.	N/A	B			
PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE ELECT.	DIST.	CENSUS TR.
12838	2	B-1	24	2nd	6022
WATER CODE	SEWER CODE				
H08	5990000				

No.	REVISION	DATE
3	REVISED PARKING CALCULATION FOR SHOPPING CENTER USE	12/12/16
2	ADD OUTDOOR SEATING AREA, ADJUST PARKING CALCULATIONS	11/22/16
1	Remove reference to Proposed Building #2	3.18.01

SITE DEVELOPMENT PLAN
BETHANY SQUARE
 PHASE II
 PROPOSED ADDITION

TAX MAP #24 BLOCK #2 P.#395 PARCEL B
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
 ENGINEERS/SURVEYORS/PLANNERS

3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
 Tel 410.461.5828 Fax 410.465.3966

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: RHY
 DATE: Nov. 17, 2000
 SCALE: As Shown
 W.O. NO.: 00-009

1 SHEET OF 11

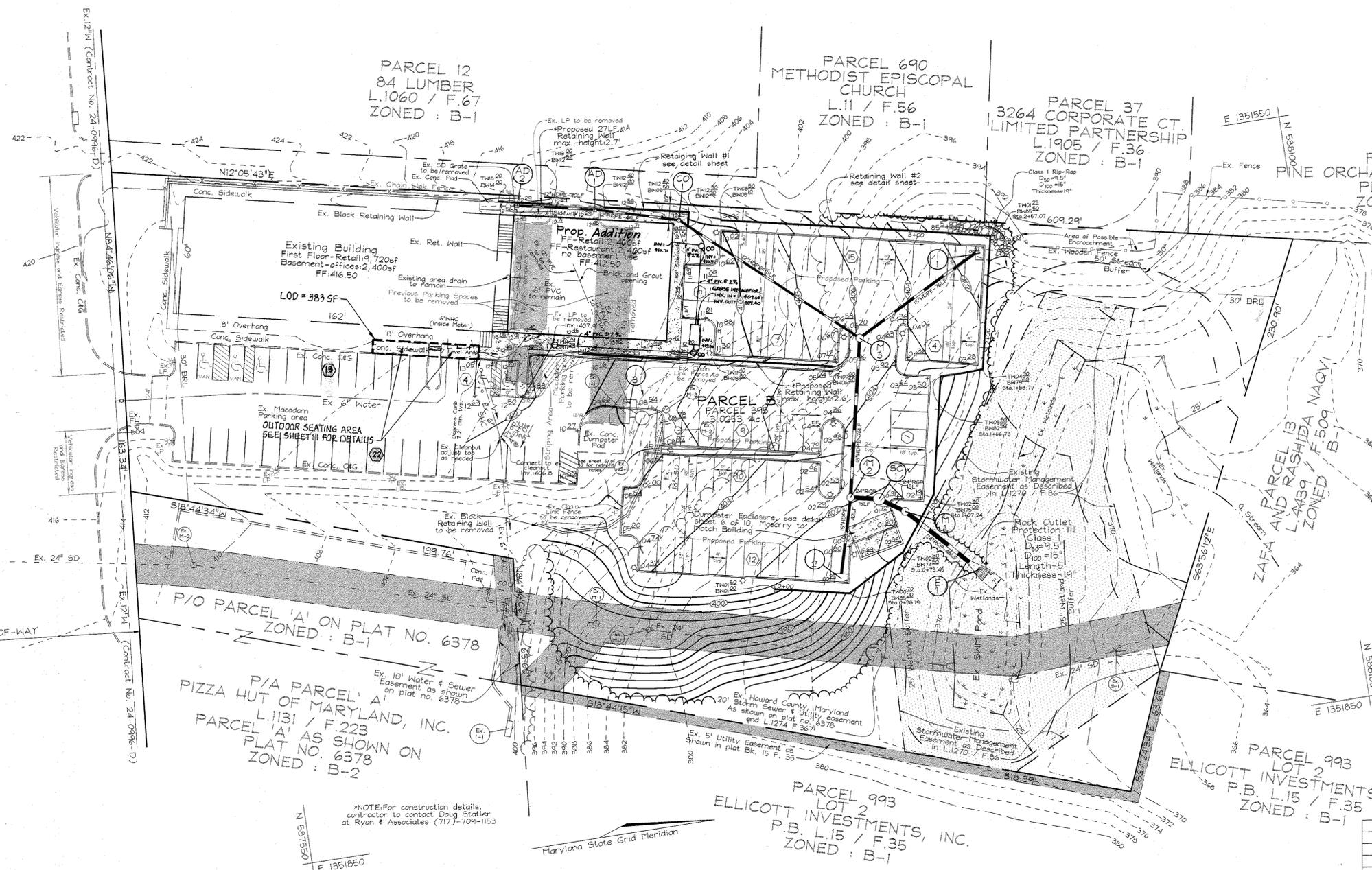
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 12/20/00
 DIRECTOR DATE

[Signature] 12/21/00
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 12/15/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BALTIMORE NATIONAL PIKE
(U.S. ROUTE 40)
(EX. 150' RIGHT-OF-WAY)
S.R.C. PLATS NO. 3123 & 3124

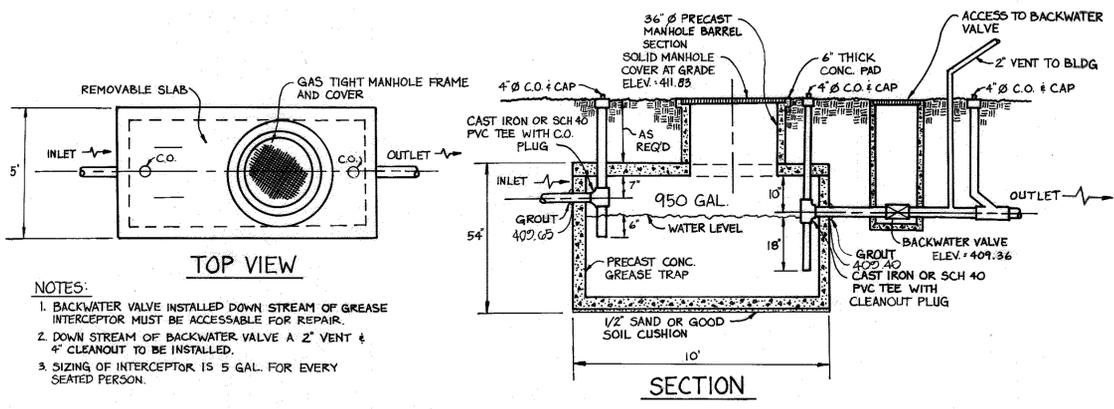
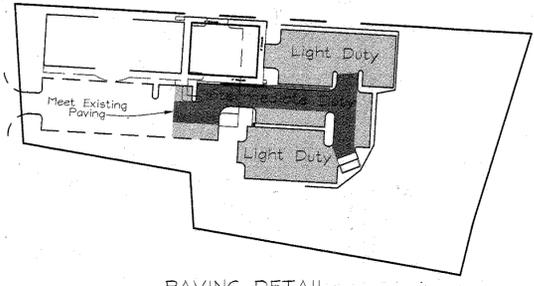


EXISTING STRUCTURES		
STRUCTURE NUMBER	EXISTING ELEVATION	PROPOSED ELEVATION
Existing WQ-1 SDP-97-140	408.0±	409.20
Existing M-1 SDP-97-140	382.0±	393.50
Existing M-2 SDP-97-140	400.5±	408.34
Existing M-3 SDP-97-140	404.0±	408.23
Existing M-1 SDP-84-237	387.5±	390.00

P/O PARCEL 'A' ON PLAT NO. 6378
ZONED: B-1

P/A PARCEL 'A' PIZZA HUT OF MARYLAND, INC.
L.1131 / F.223
PARCEL 'A' AS SHOWN ON PLAT NO. 6378
ZONED: B-2

PARCEL 993 LOT 2
ELLICOTT INVESTMENTS, INC.
P.B. L.15 / F.35
ZONED: B-1



- NOTES:
1. BACKWATER VALVE INSTALLED DOWN STREAM OF GREASE INTERCEPTOR MUST BE ACCESSIBLE FOR REPAIR.
 2. DOWN STREAM OF BACKWATER VALVE A 2" VENT & 6" CLEANOUT TO BE INSTALLED.
 3. SIZING OF INTERCEPTOR IS 5 GAL. FOR EVERY SEATED PERSON.

NOTE: THE LOD OF 383 SF IS EXEMPT FROM PROVIDING SWM. ANY FUTURE INCREASE EXCEEDING 5,000 SF SHALL BE REQUIRED TO MEET CURRENT SWM CRITERIA.

NO.	REVISION	DATE
3	ADD OUTDOOR SEATING AREA	11/22/16
2	ADDITION OF GREASE INTERCEPTOR AND DETAIL	10/18/01
1	Remove reference to Proposed Building #2	3/10/01

SITE DEVELOPMENT PLAN
BETHANY SQUARE
PHASE II
PROPOSED ADDITION
TAX MAP #24 BLOCK #2 P.395 PARCEL B
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS-SURVEYORS-PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: RHY
DATE: Nov. 17, 2000
SCALE: 1"=30'
W.O. NO.: 00-009

2 SHEET OF 10

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

John Dammann 12/15/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Carole Hamble 12/16/00
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Joseph R. ... 12/21/00
DIRECTOR DATE

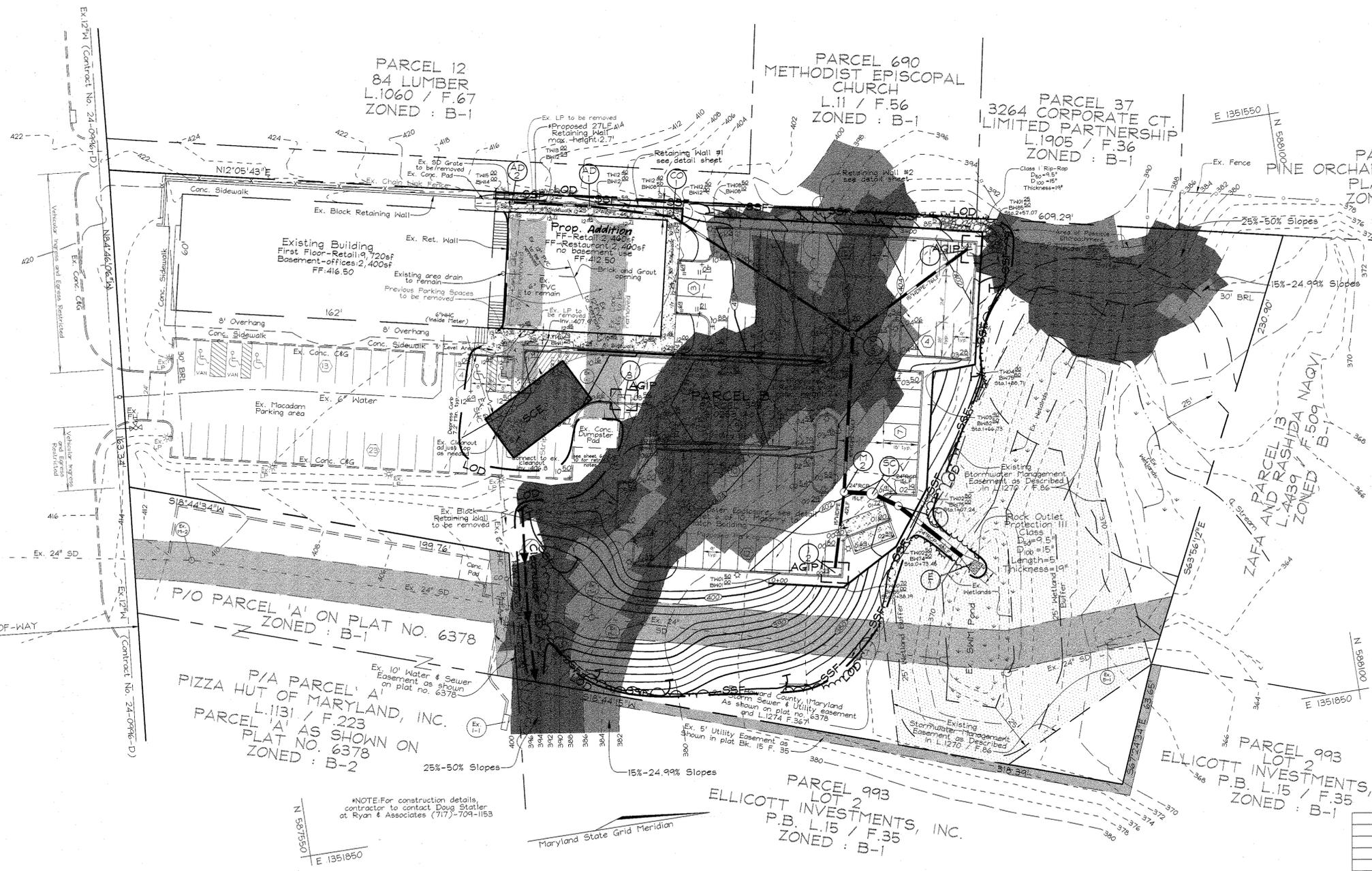


OWNER/DEVELOPER
Conly Corporation
Sergio Acle (President)
10132 Baltimore National Pike
Ellicott City, MD 21042
410.461.4400

LEGEND

Existing Contour	---	-382
Proposed Contour	---	+82.53
Spot Elevation	○	
Direction of Flow	→	
Tree Protection Fence	⊞	
Existing Trees to Remain	⊞	
Light Poles	⊙	Post Top
Stabilized Construction Entrance	⊞	
Super Silt Fence	SSF	
Earth Dike	ED A-1	
Limit of Disturbance	LOD	
At Grade Inlet Protection	AGIP	

BALTIMORE NATIONAL PIKE
(U.S. ROUTE 40)
(EX. 150' RIGHT-OF-WAY)
S.R.C. PLATS NO. 3123 & 3124



*NOTE: For construction details, contractor to contact Doug Statler at Ryan & Associates (717)-709-1153

NO.	REVISION	DATE
1	Remove reference to Proposed Building #2	3/10/01

SEDIMENT AND EROSION CONTROL PLAN
BETHANY SQUARE
PHASE II
PROPOSED ADDITION
TAX MAP #24 BLOCK #2 P.395 PARCEL B
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

As-BUILT For STORMCEPTOR



OWNER/DEVELOPER
Conity Corporation
Sergio Acle (President)
10132 Baltimore National Pike
Ellicott City, MD 21042
410.461.4400

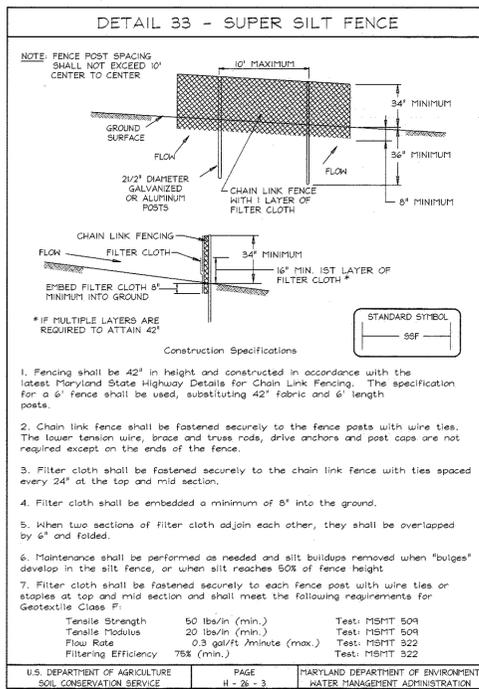
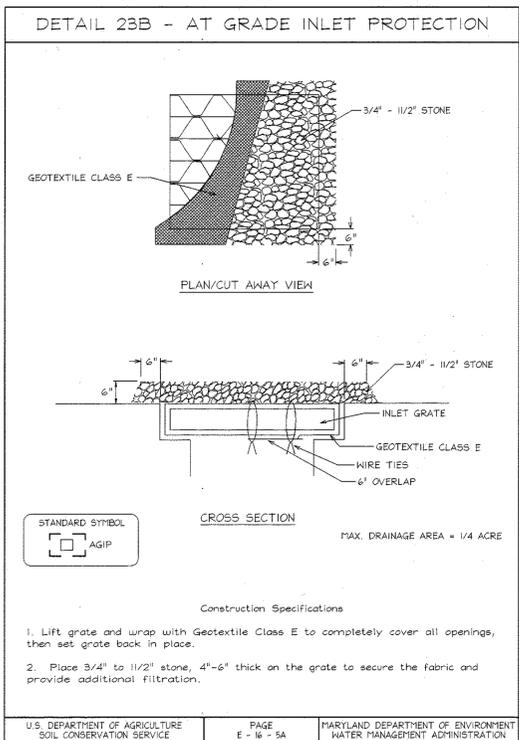
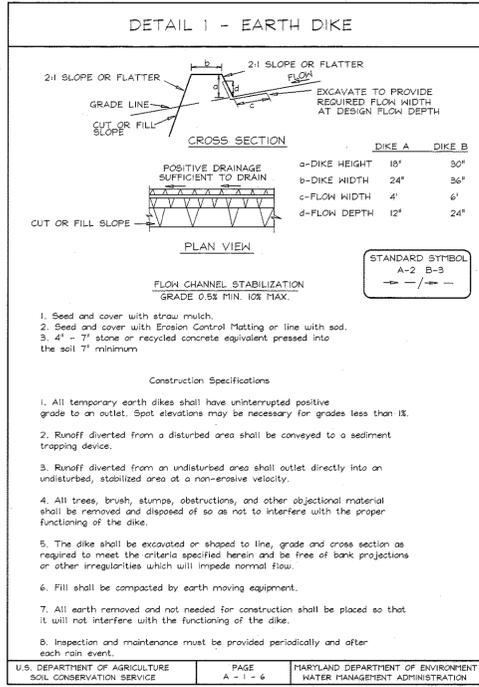
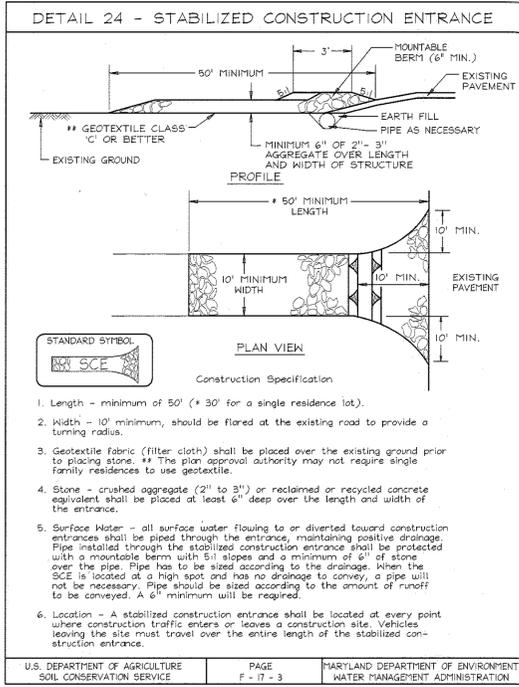
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Chad Damman 12/15/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
Cathy Hamrick 10/20/00
 CHIEF, DIVISION OF LAND DEVELOPMENT
Joseph S. Smith 12/20/00
 DIRECTOR

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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.
Robert H. Vogel 11/20/00
 SIGNATURE OF ENGINEER
 ROBERT H. VOGEL

DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
John K. Robertson 11/20/00
 SIGNATURE OF DEVELOPER

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
J. H. Warfield 12/11/00
 UTA-NATURAL RESOURCES CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
John K. Robertson 12/16/00
 HOWARD SCD

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: RHV
 DATE: Nov. 17, 2000
 SCALE: 1"=30'
 N.O. NO.: 00-009
 3 SHEET OF 11



21.0 STANDARDS 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 vegetable 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 original soil 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 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

- 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-SCS in cooperation with Maryland Agricultural Experiment Station.
 - Topsoil shall be uniformly distributed in a 4" - 6" 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 topsoil 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.
 - 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.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 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.
- For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
- All vegetation 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 redisturbance, permanent or temporary stabilization shall be completed within (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, 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 seeding, sod, temporary seeding, and mulching (Sec. 2). Temporary stabilization with mulch alone shall 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	3.03 Acres
Area Disturbed	1.26 Acres
Area to be roofed or paved	0.52 Acres
Area to be vegetatively stabilized	0.75 Acres
Total Cut	167
Total Fill	19,760CY
Offsite waste/borrow area location	#
- 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.
 - To be determined by contractor, with pre-approval of the Sediment Control Inspector upon an approved and active grading permit.

SEQUENCE OF CONSTRUCTION

- Obtain grading permit.
- Notify Howard County Department of Inspections, License and Permits at (410)313-1880 at least 24 hours before starting any work.
- Install Stabilized Construction Entrances, Super Silt Fence and Earth Dike. (3 days)
- Rough grade site and begin Retaining Wall construction. (2 weeks)
- Continue grading and Retaining Wall construction while constructing Sewer and Storm Drain, adjust existing structures as shown on sheet 2 of 10 and install Inlet Protection. See sheet 6 of 10 for Ex. Stormsewer retrofit instructions. (4-8 weeks)
- Begin building construction. (4-8 months)
- As building construction continues fine grade site, and finish Retaining Wall construction. (2 weeks)
- Install curb and gutter, paving and sidewalks. (2 weeks)
- Install Landscaping. (1 week)
- With permission of the inspector, remove all Sediment Controls from the site. Stabilize all disturbed areas immediately. (1 week)
- During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the Sediment Control measures on the plan.
- Following initial soil disturbances or redisturbance permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter Sediment Control Structures, Dikes, Slopes and all slopes greater than 3:1.
 - 14 calendar days for all other disturbed areas.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushels per acre of annual rye (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (07 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or sod.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 3 feet or higher, use 345 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

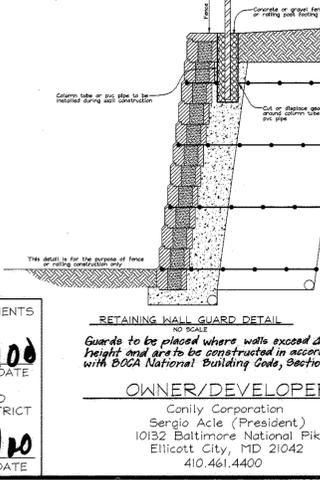
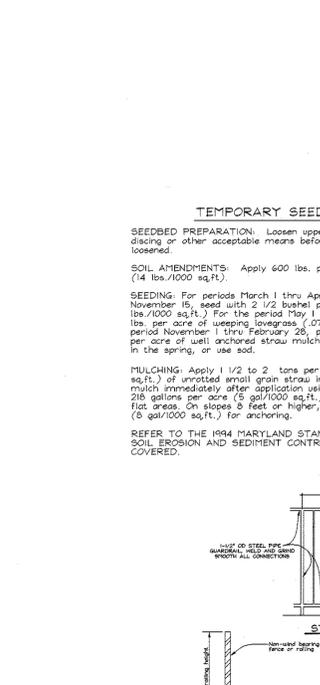
SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./100 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 50-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (29 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 15 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 3 feet or higher, use 345 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.



1. Remove reference to Proposed Building #2
No. REVISION DATE

3.10.01
12/15/00
12/14/00
12/20/00

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 12/15/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 12/14/00
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 12/20/00
 DIRECTOR

ENGINEERS CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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] 11/20/00
 SIGNATURE OF ENGINEER
 ROBERT H. VOGEL

DEVELOPER'S CERTIFICATE

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

[Signature] 11/20/00
 SIGNATURE OF DEVELOPER

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

[Signature] 12/11/00
 [Signature] 12/11/00
 [Signature] 12/11/00

HOWARD SCD DATE

OWNER/DEVELOPER

Canly Corporation
 Sergio Acle (President)
 10132 Baltimore National Pike
 Ellicott City, MD 21042
 410.461.4400

SEDIMENT AND EROSION CONTROL DETAILS BETHANY SQUARE PHASE II PROPOSED ADDITION

TAX MAP #24 BLOCK #2 P.395 PARCEL B
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
 ENGINEERS-SURVEYORS-PLANNERS
 3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
 Tel 410.461.5828 Fax 410.465.3966

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: RHV
 DATE: Nov. 17, 2000
 SCALE: As Shown
 W.O. NO.: 00-009

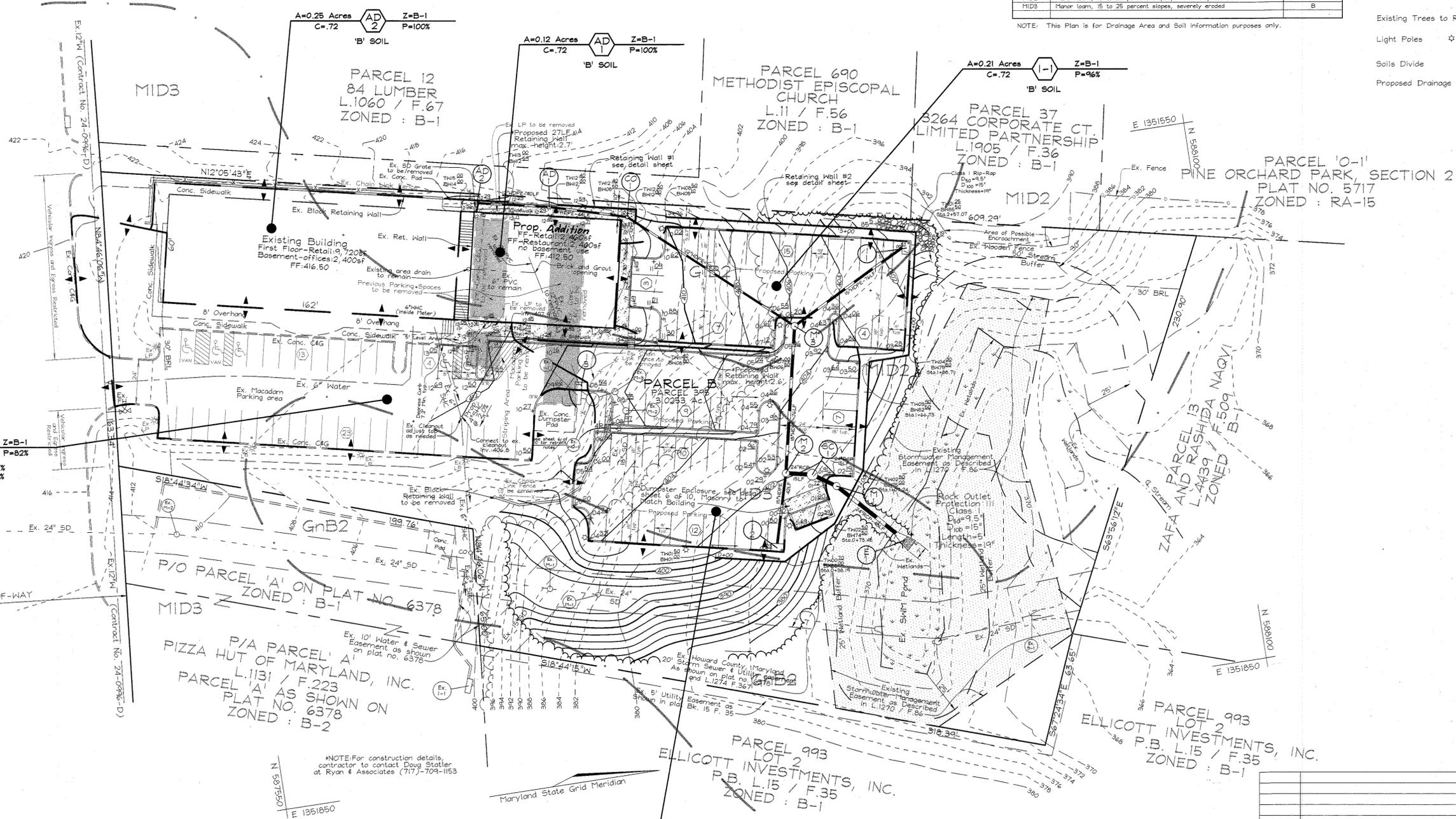
4 SHEET OF 11

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
GIB2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
GB2	Glenelg silt loam, 3 to 8 percent slopes, moderately eroded	C
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B

NOTE: This Plan is for Drainage Area and Soil Information purposes only.

LEGEND	
Existing Contour	---362
Proposed Contour	---362
Spot Elevation	+82.53
Direction of Flow	→
Existing Trees to Remain	(Tree Symbol)
Light Poles	Post Top, Overhead, Bollard
Soils Divide	KeB2, NeB2
Proposed Drainage Divide	↑

BALTIMORE NATIONAL PIKE
(U.S. ROUTE 40)
(EX. 150' RIGHT-OF-WAY)
S.R.C. PLATS NO. 3123 & 3124



A=0.46 Acres Z=B-1
C=.72 P=82%
B' SOIL = 87%
C' SOIL = 13%

*NOTE: For construction details, contractor to contact Doug Staller at Ryan & Associates (717)-709-1153

A=0.40 Acres Z=B-1
C=.72 P=90%
B' SOIL = 92%
C' SOIL = 8%

AS-BUILT FOR
STORMCEPTOR



OWNER/DEVELOPER
Conity Corporation
Sergio Acle (President)
10132 Baltimore National Pike
Ellicott City, MD 21042
410.461.4400

NO.	REVISION	DATE
1	Remove reference to Proposed Building #2	

STORM DRAINAGE DRAINAGE AREA MAP BETHANY SQUARE PHASE II PROPOSED ADDITION
TAX MAP #24 BLOCK #2 P.395 PARCEL B
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS-SURVEYORS-PLANNERS
3891 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

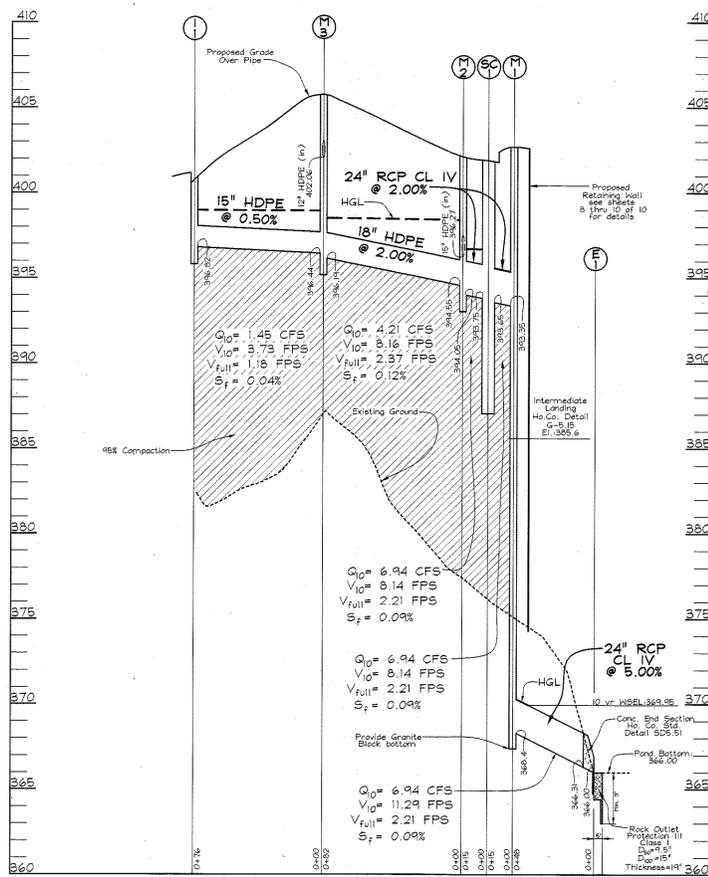
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DRAWN BY: PS	
CHECKED BY: RHY	
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SCALE: 1"=30'	
W.O. NO.: 00-009	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

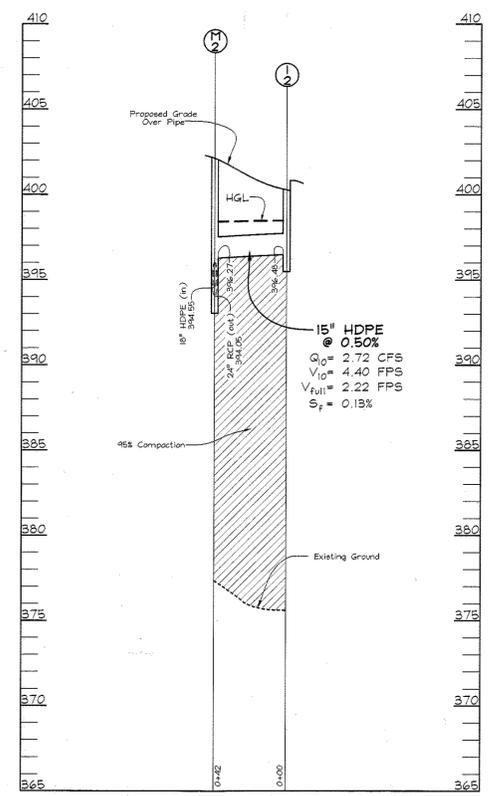
Walter Dammann 12/15/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Wendy Hamatta 12/20/00
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

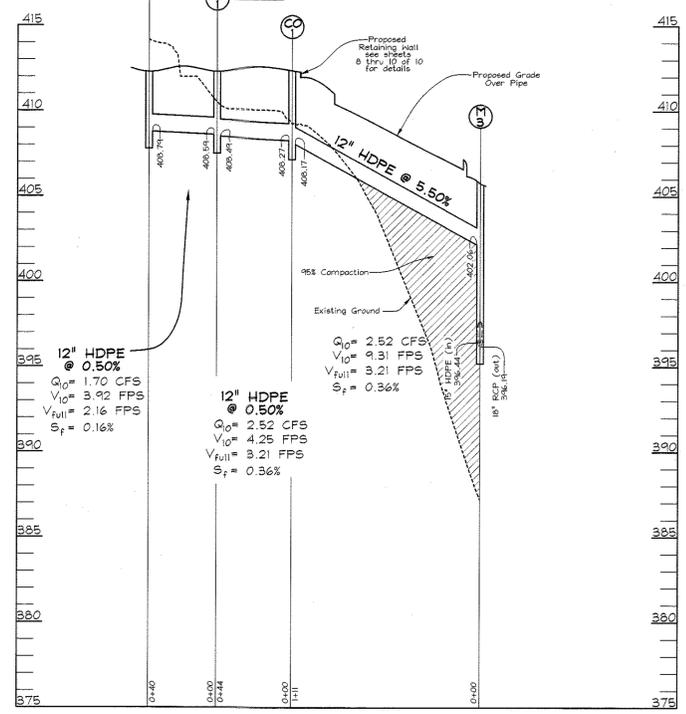
James S. Smith 12/20/00
DIRECTOR DATE



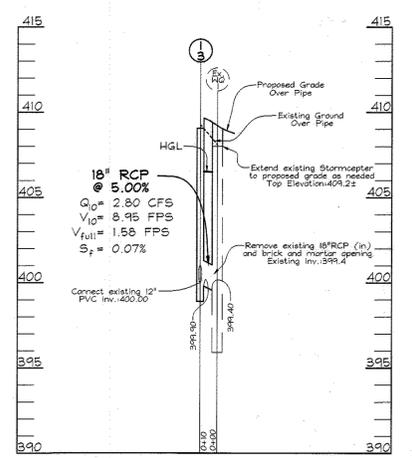
STORM DRAIN PROFILE
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'



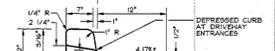
STORM DRAIN PROFILE
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'



ROOF DRAIN PROFILE
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'



STORM DRAIN PROFILE
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'



STANDARD COMBINATION CURB AND GUTTER
HOWARD COUNTY STANDARD R-3.01
NOT TO SCALE

OPERATION AND MAINTENANCE SCHEDULE FOR STORMWATER MANAGEMENT DETENTION FACILITY

- ROUTINE MAINTENANCE**
- FACILITY SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHOULD BE PERFORMED DURING WET WEATHER TO DETERMINE IF FUNCTIONING PROPERLY.
 - TOP AND SIDE SLOPES OF THE BRANCHMENT SHALL BE MOVED A MINIMUM OF TWO (2) TIMES A YEAR, ONCE IN JUNE AND ONCE IN SEPTEMBER. OTHER SIDE SLOPES AND MAINTENANCE ACCESS SHOULD BE MOVED AS NEEDED.
 - DEBRIS AND LITTER NEXT TO THE OUTLET STRUCTURE SHALL BE REMOVED DURING REGULAR MAINTENANCE OPERATIONS AND AS NEEDED.
 - VISIBLE SIGNS OF EROSION IN THE POND AS WELL AS RIPRAP OUTLET AREAS SHALL BE REMOVED AS SOON AS IT IS NOTICED.
- NON-ROUTINE MAINTENANCE**
- STRUCTURAL COMPONENTS OF THE POND SUCH AS THE DAM, THE RISER, AND THE PIPES SHALL BE REPAIRED UPON DETECTION OF ANY DAMAGE. COMPONENTS SHOULD BE INSPECTED DURING ROUTINE MAINTENANCE OPERATIONS.
 - SEDIMENT SHOULD BE REMOVED WHEN ITS ACCUMULATION SIGNIFICANTLY REDUCES THE DESIGN STORAGE. INTERFERES WITH THE FUNCTION OF THE RISER, WHEN DEEMED NECESSARY FOR AESTHETIC REASONS, OR WHEN DEEMED NECESSARY BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

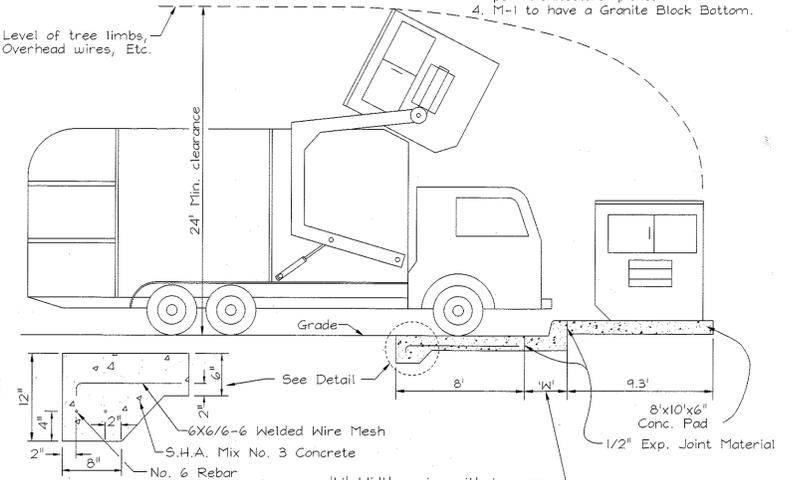
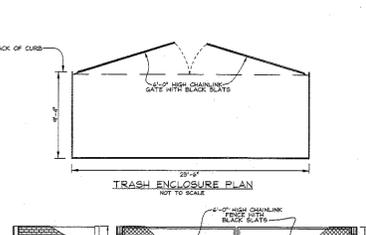
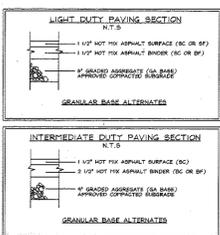
POND SUMMARY

	2 YEAR	10 YEAR	100 YEAR
FLOW INTO POND	35.4 c.f.s.	47.0 c.f.s.	-
FLOW OUT OF POND	15.8 c.f.s.	34.4 c.f.s.	72.2 c.f.s.
I.W.S. ELEVATION	368.70	361.96	371.06
STORAGE VOLUME	0.37 AC FT	0.55 AC FT	1.00 AC FT

EXISTING POND TYPE - DETENTION, WATER QUALITY PROVIDED BY STORMCEPTOR DRAINAGE AREA TO POND - 4.09 ACRE

OPERATION, MAINTENANCE AND INSPECTION

INSPECTION OF THE POND(S) SHALL BE PERFORMED AT LEAST ANNUALLY. IN ACCORDANCE WITH THE CHECKLIST AND REQUIREMENTS CONTAINED WITHIN USDA, SC3 "STANDARDS AND SPECIFICATIONS FOR POND OWNERS" AND ANY HEIRS, SUCCESSORS, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE POND AND THE CONTINUING OPERATION, SURVEILLANCE, INSPECTION AND MAINTENANCE THEREOF. THE POND OWNER(S) SHALL PROMPTLY NOTIFY THE SOIL CONSERVATION DISTRICT OF ANY UNUSUAL OBSERVATIONS THAT MAY BE INDICATORS OF DISTRESS SUCH AS EXCESSIVE SEEPAGE, TURBID SEEPAGE, SLIDING OR SLUMPING.



SOLID WASTE SERVICE PAD

HOWARD COUNTY STD. R 11.01
NOT TO SCALE

STRUCTURE SCHEDULE

NO.	TYPE	LOCATION	TOP ELEV.	INV. IN	INV. OUT	REMARKS
I-1	Double Type 'S' Combination Inlet	N 587,937 E 1,351,595	401.33	-	396.82	SD 4.34
I-2	Double Type 'S' Combination Inlet	N 587,841 E 1,351,748	400.96	-	396.48	SD 4.34
I-3	Double Type 'S' Combination Inlet	N 587,747 E 1,351,643	409.05	-	399.90	SD 4.34
SC-1	Stormceptor STC 1200	N 587,867 E 1,351,711	401.90	393.75	393.65	SD 1200
E-1	Concrete End Section	N 587,912 E 1,351,755	368.31	366.31	366.00	SD 5.51
M-1	Std. Precast Manhole (see note #4)	N 588,879 E 1,351,720	402.70	393.35	393.40	G 5.11
M-2	Standard Precast Manhole	N 587,852 E 1,351,708	402.14	394.22	394.05	G 5.11
M-3	Standard Precast Manhole	N 587,869 E 1,351,628	405.76	402.27	396.19	G 5.11
CO-1	Standard Cleanout	N 587,787 E 1,351,555	412.38	408.27	408.17	Note #3
AD-1	Area Drain	N 587,745 E 1,351,542	412.29	408.59	408.49	Note #3
AD-2	Area Drain	N 587,705 E 1,351,534	412.29	-	408.79	Note #3

- NOTES
- Top elevations are to the center of the structure at top of curb for Double Type 'S' Combination inlets and to top center of manholes and Stormceptor.
 - For top slab slopes see grading plan.
 - See Architectural plans for details, connect roof drains per Architectural plans.
 - M-1 to have a Granite Block Bottom.

OPERATION AND MAINTENANCE SCHEDULE FOR STORMCEPTOR WATER QUALITY STRUCTURE

- 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 by using a clear Plexiglass tube ("sludge/judge") to extract a water column sample. When the sediment depth exceeds the level specified in table 6 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.

EXISTING STORMCEPTOR RETROFIT

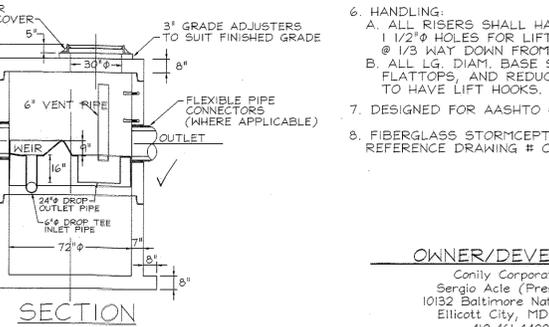
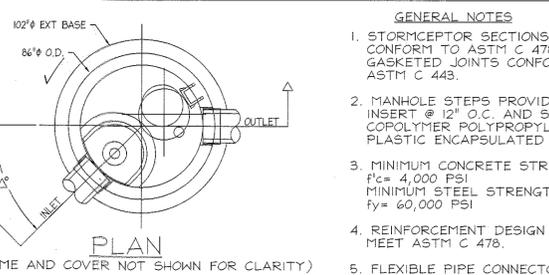
Disassemble the existing Stormceptor down to the level of the weir. Disconnect existing inlet and outlet pipes. Raise and rotate the section (with the weir attached) to match the proposed inlet pipe from I-3. Brick and grout existing outlet opening and construct new opening for the existing outlet pipe at same invert. Use new gaskets for both proposed inlet and outlet pipes. Reassemble the Stormceptor to the proposed elevation of 409.23.

STORMCEPTOR ORDER INFORMATION

STORMCEPTOR MODEL: SC-1
STRUCTURE: SC-1
TOP ELEVATION: 401.9
INLET PIPE INVERT: 393.75
OUTLET PIPE INVERT: 393.65
PIPE SIZE: 24" RCP

NOTE: SEE DRAINAGE AREA MAP FOR CONTRIBUTING IMPERVIOUS AREA TO STORMCEPTOR. AREAS: 0.93 Acres

STC 1200 PRECAST CONCRETE STORMCEPTOR



GENERAL NOTES

- STORMCEPTOR SECTIONS SHALL CONFORM TO ASTM C 478, PROFILE GASKETED JOINTS CONFORMING TO ASTM C 443.
- MANHOLE STEPS PROVIDED ABOVE INSERT @ 12" O.C. AND SHALL BE COPOLYMER POLYPROPYLENE PLASTIC ENCAPSULATED GR. 60 STEEL.
- MINIMUM CONCRETE STRENGTH f'c = 4,000 PSI
MINIMUM STEEL STRENGTH fy = 60,000 PSI
- REINFORCEMENT DESIGN SHALL MEET ASTM C 478.
- FLEXIBLE PIPE CONNECTORS SHALL MEET ASTM C 923.
- HANDLING:
A. ALL RISERS SHALL HAVE 2 EA. 1 1/2" HOLES FOR LIFTING @ 1/3 WAY DOWN FROM SPIGOT.
B. ALL LG. DIAM. BASE SECTIONS, FLATTOPS, AND REDUCERS TO HAVE LIFT HOOKS.
- DESIGNED FOR AASHTO H-20 LOADING.
- FIBERGLASS STORMCEPTOR INSERT REFERENCE DRAWING # CA-0225-01

OWNER/DEVELOPER

Conly Corporation
Sergio Acle (President)
10132 Baltimore National Pike
Ellicott City, MD 21042
410.461.4400

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

John DeWitt 12/15/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION
Candy Hamilton 12/20/00
CHIEF, DIVISION OF LAND DEVELOPMENT
Paul Smith 12/20/00
DIRECTOR

Reference to Proposed Building #2 Removed
3/10/01
REVISION DATE

Precast Concrete Stormceptor Order Request Form

CONTRACTOR INFORMATION

Name: _____
Address: _____
City: _____
State: _____
Zip Code: _____
Contact: _____
Phone: _____
Fax: _____

OWNER INFORMATION

Name: Conly Corporation-Sergio Acle
Phone: 410.833.1923
Fax: _____

IMPERVIOUS DRAINAGE AREA FOR THIS UNIT: 0.93 Acres

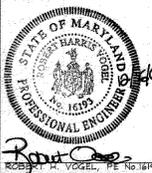
Stormceptor Model: _____
Insert Size: _____
Inlet Pipe Invert (ft): _____
Outlet Pipe Invert (ft): _____
Pipe Type: _____
Inlet Pipe Inside Diameter (ID): _____
Inlet Pipe Outside Diameter (OD): _____
Outlet Pipe Inside Diameter (ID): _____
Outlet Pipe Outside Diameter (OD): _____

Project Name: Bethany Square Phase II
Approximate time frame of delivery (weeks): _____
Delivery Address: Street _____
City: _____ State: _____ Zip Code: _____
Designer Company: Vogel & Associates, Inc.
Designer Contact: Bob Vogel Phone: 410.461.5828 Fax: 410.465.3968

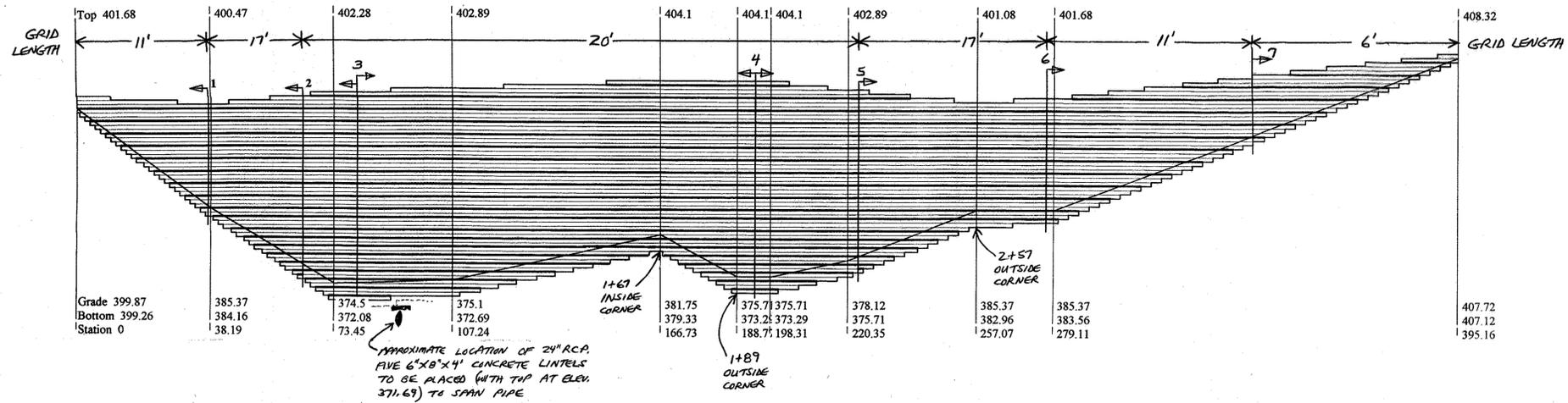
PLEASE FILL OUT COMPLETELY AND FAX TO: CSR Hydro Conduit
ATTN: ED O'MALLEY FAX: (703)922-3659, PHONE: (703)515-6399
FOR TECHNICAL ASSISTANCE PLEASE CALL MIKE BARG, PHONE (703)515-6399

STORM DRAIN PROFILES AND MISCELLANEOUS DETAILS
BETHANY SQUARE
PHASE II
PROPOSED ADDITION
TAX MAP #24 BLOCK #2 P.395 PARCEL B
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS-SURVEYORS-PLANNERS
3891 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3968



DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: RHV
DATE: Nov. 17, 2000
SCALE: As Shown
W.O. NO.: 00-009
6 SHEET OF 11

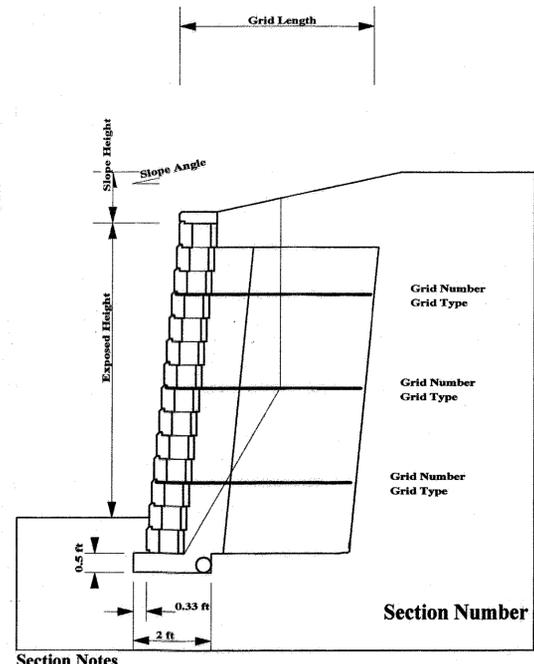


Allan Block Retaining Wall Elevation - 2 (large wall N end of site)
 Horizontal Scale: 1" = 20'-0" Vertical Scale: 1" = 10'-0"

- SEE THE 8 1/2" X 11" PROJECT MANUAL FOR:
- INTERNAL AND EXTERNAL CALCULATIONS
 - CROSS SECTIONS & DETAILS
 - RYAN & ASSOCIATES SPECIFICATIONS
 - ALLAN BLOCK SPECIFICATIONS

General Notes

- Retaining wall units and installation shall conform to the Allan Block Modular Retaining Wall Systems Specification Guidelines or Geogrid Reinforcement Systems Specification Guidelines as published in the Allan Block Design Manual, ABENG.M5-98.
 - Soil compaction tests shall be taken at 25%, 50%, 75%, and 100% of the wall height or as specified by the site geo-technical engineer. Bearing capacity of the footer shall be verified prior to the installation of the stone base. The minimum bearing capacity allowed for this project is 2,500 PSF. The beginning of the wall (up to section 1) and the end of the wall (beyond section 7) can utilize a conventional 6" X 24" footer. The area between section 1 and section 8 must have an enlarged footer as detailed by cross sections 2-6. If the bearing capacity as tested by the geo-technical engineer always exceeds 4,200 PSF, a standard footer can be used on the entire project. (The highest bearing pressure exerted on this wall is 4,100 PSF on section 4.)
 - The geo-grids used in this design are Mirafi 3XT which has a LTDS of 1328, Mirafi 5XT which has a LTDS of 1702, and Mirafi 7XT which has a LTDS of 2180. Ryan & Associates shall be notified before any substitutions are made in the field.
 - Based on the geo-technical report done by Herbst/ Benson & Associates, an internal angle of friction of 28 was used for the site soil on this project. No CH (fat clay), MH (fat silt), or OH (organic) soils shall be used within the impact area of the wall (an area defined as the reinforced geo-grid zone and extending to twice the wall height behind the wall). If these unsuitable soils are encountered, they shall be removed and replaced with soils meeting or exceeding a friction angle of 28. The on site geo-technical engineer shall verify this during the construction process.
 - This design accounts for a live load surcharge of 250 PSF for the proposed parking area above the wall.
 - Any proposed guard rails subject to vehicle impact or fences subject to wind loading (solid or semi-solid) must be kept back a minimum of 3' from the rear of the wall to avoid loading of the wall. If car stops or curbing prevent vehicular impact, guard rails may be installed closer than the 3' minimum. Open rails (such as pipe, wrought iron, treated lumber, etc.) subject only to pedestrian loading may be placed directly behind the wall. The preferred method of installation is to place concrete form tubes within the wall during construction and grout in the posts later. If the posts are installed after the wall construction is complete, the post holes must be carefully hand dug and the grid hand cut to allow insertion and grouting. Augering and pile driving is prohibited.
 - Any proposed light poles must be kept back a minimum of 3' from the rear of the wall to prevent loading of the wall. If these poles are closer than 3', a structural analysis must be done and a device designed to transfer the wind loads to the soil. This service is available from Ryan & Associates for an additional cost.
 - Storm water structures are present within the grid reinforced zone of this wall. See the special notes regarding these structures in the 8 1/2" X 11" project manual for this project.
- Surface Drainage Notes**
- If water is encountered in the area of the wall during excavation or construction, a drainage system (chimney, composite or blanket) must be installed as directed by the geotechnical or site engineer.
 - A 4" perforated drain tile must be installed in this wall and vented to daylight at the end(s) of the wall or at the central low point of the wall. If this is not possible, vent through the wall, above finished grade, at maximum of 40' intervals. This pipe must have positive flow of at least .5%.
 - At the end of each day's construction and at final completion, grade the backfill to avoid water accumulation behind wall or in the reinforced zone.
 - Surface water must not be allowed to pond or be trapped in the area above the wall or at the toe of the wall.
 - Establish final grade with a positive gradient away from the wall structure. Concentrations of surface water runoff should be managed by providing necessary structures, such as paved ditches, drainage swales, catchbasins, etc.
 - All roof eaves should be guttered, with the outlets from the downspouts provided with adequate capacity to carry storm water from the structure to reduce the possibility of soil saturation and erosion. The connection should be in a closed conduit, which discharges at an approved location away from the wall structure.
 - Cut and fill slopes shall be constructed so that surface water will not be allowed to drain over the top of the slope face and or wall. This may require berms along the top of fill slopes and surface drainage ditches above cut slopes.
 - Irrigation activities at the site should be done in a controlled and reasonable manner.
 - The consulting geotechnical or site engineer for the project must address any design drainage features or site features, discovered during excavation.
 - Contain sources of concentrated water flow such as roof scuppers, drainage swales, parking lots, etc...and route around wall.



Allan Block Retaining Wall Typical Section



Allan Block Corp.
 7400 Metro Blvd.
 Suite 185
 Edina, MN 55439
 Phone 612/835-5309
 Fax 612/835-0013
 http://www.allanblock.com

Nitterhouse Masonry Products
 859 Cleveland Ave, PO Box 692
 Chambersburg, PA 17201
 717-267-4500
 717-264-7535 - fax

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Howard County
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 12/15/00

Cathy Hamble
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE 12/20/00

James Smith
 DIRECTOR DATE 12/20/00

OWNER/DEVELOPER
 Conly Corporation
 Sergio Acle (President)
 4606 Prospect Avenue
 Glyndon, MD 21071
 410.833.1923

NO.	REVISION	DATE

RETAINING WALL
 BETHANY SQUARE
 PHASE II

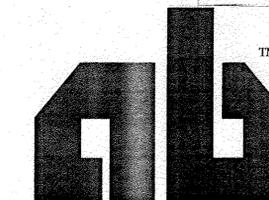
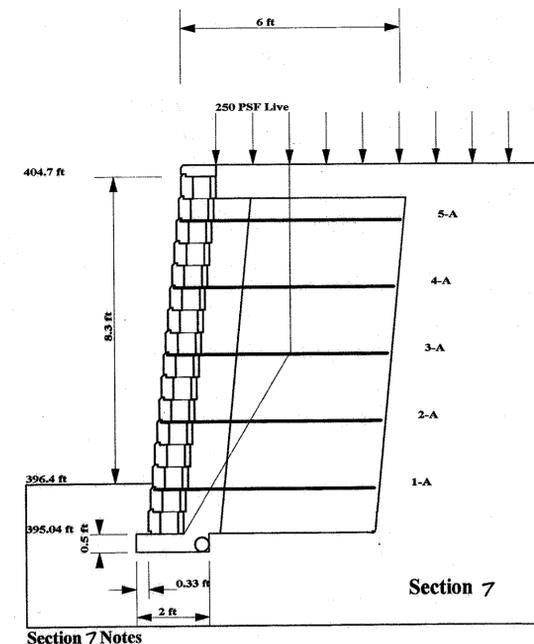
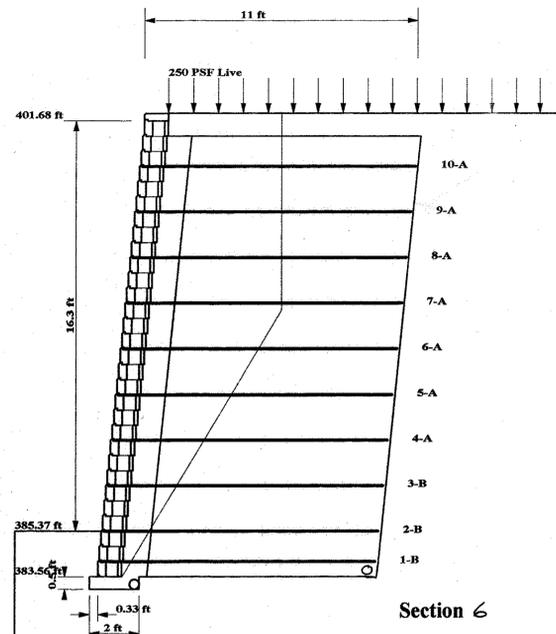
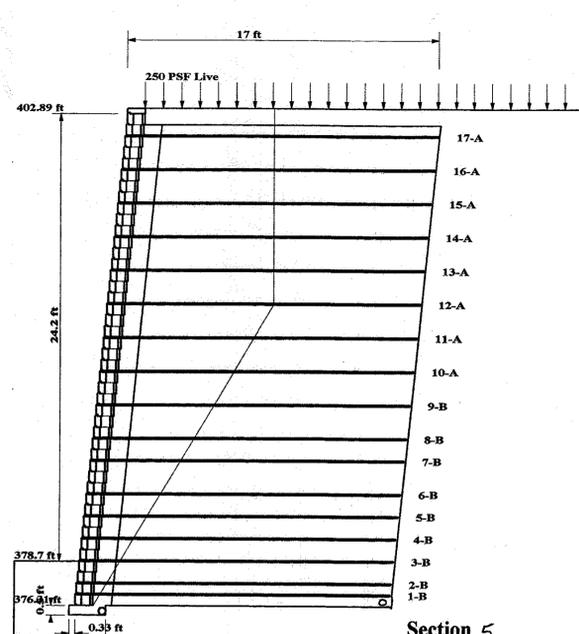
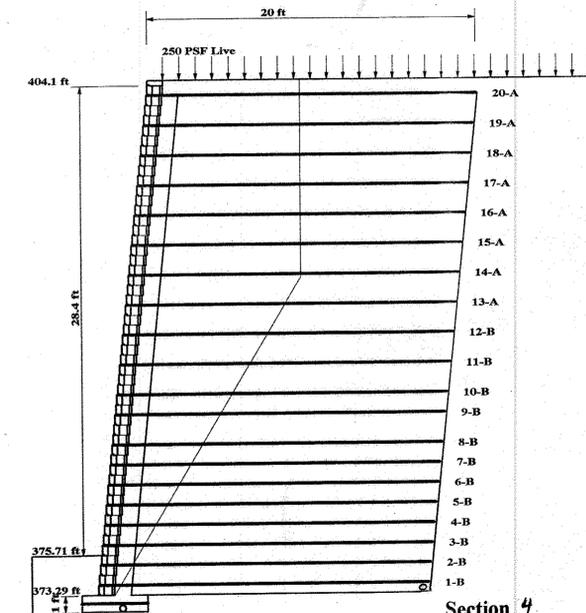
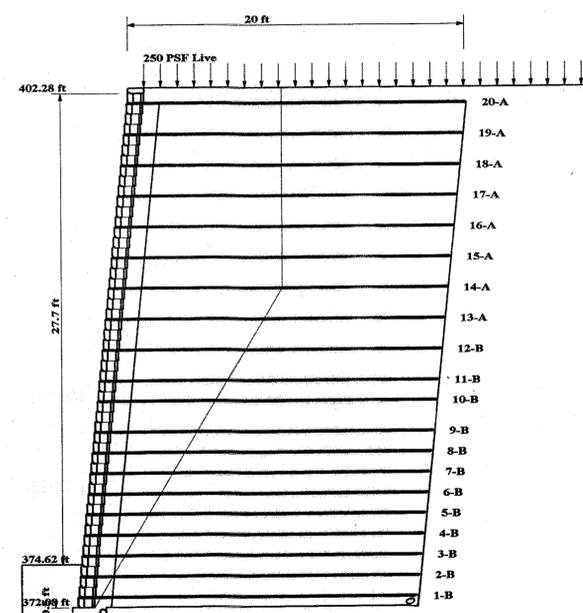
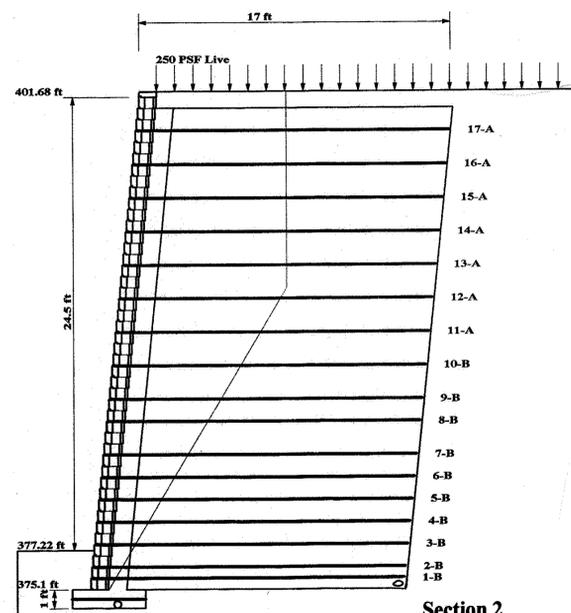
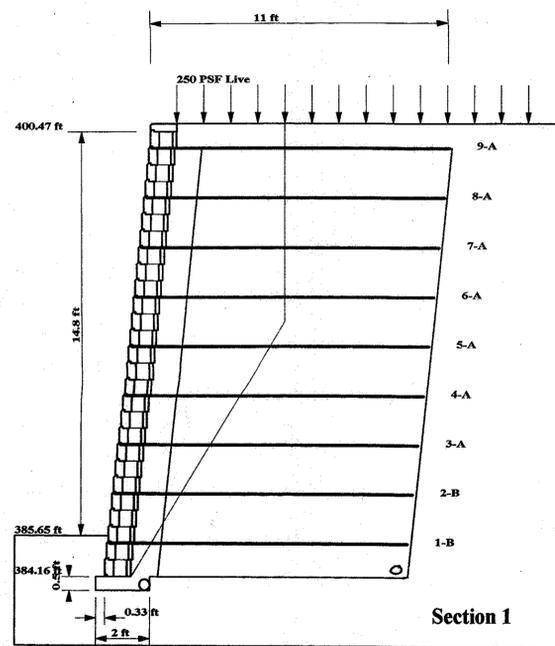
TAX MAP #24 BLOCK #2 PARCEL B
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



DESIGN BY: DKS
 DRAWN BY: DKS
 CHECKED BY: WKR
 DATE: July 6, 2000
 SCALE: AS SHOWN
 W.O. NO.: 00-009

9 SHEET OF 11

WILLIAM K. RYAN, PE No. 21588



Allan Block Corp.
 7400 Metro Blvd.
 Suite 185
 Edina, MN 55439
 Phone 612/835-5309
 Fax 612/835-0013
Nitterhouse Masonry Products
 859 Cleveland Ave, PO Box 692
 Chambersburg, PA 17201
 717-267-4500
 717-264-7535 - fax

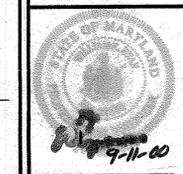
NO.	REVISION	DATE

RETAINING WALL
 BETHANY SQUARE
 PHASE II

TAX MAP #24 BLOCK #2 PARCEL B
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
 Tel 410.461.5828 Fax 410.465.3968



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 DATE: July 6, 2000
 SCALE: AS SHOWN
 W.O. NO.: 00-009

10 SHEET OF 11

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 12/15/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 12/20/00
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 12/20/00
 DIRECTOR

- SEE THE 8 1/2" X 11" PROJECT MANUAL FOR:
- INTERNAL AND EXTERNAL CALCULATIONS
 - CROSS SECTIONS & DETAILS
 - RYAN & ASSOCIATES SPECIFICATIONS
 - ALLAN BLOCK SPECIFICATIONS

OWNER/DEVELOPER
 Conilly Corporation
 Sergio Acle (President)
 4606 Prospect Avenue
 Glyndon, MD 21071
 410.833.1923

