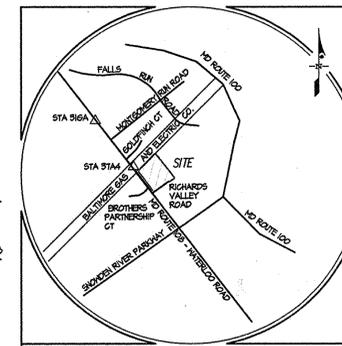


GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARD AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF INSPECTION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-251-7111 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, BUREAU OF UTILITIES AT (410) 313-4900 AT LEAST FIVE WORKING DAYS PRIOR TO STARTING ANY EXCAVATION WORK.
- AREA OF PARCEL A = 3.3834 acres. DISTURBED AREA: 3.0 acres
- 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.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- EXISTING MASS GRADED TOPOGRAPHY WAS DERIVED FROM THE APPROVED ROAD PLANS UNDER F-06-014. ALL TOPOGRAPHY IS REPRESENTED BY 2-FOOT CONTOUR INTERVALS.
- COORDINATES AND BEARINGS ARE BASED UPON THE MD STATE PLANE SYSTEM (NAD '83).
- EXISTING WATER AND SEWER SHOWN WAS DERIVED FROM THE APPROVED PUBLIC WATER & SEWER PLANS UNDER CONTRACT 14-4355-D.
- EXISTING STORM DRAIN SHOWN IS PER F-06-014 AND F-01-043.
- STORMWATER MANAGEMENT QUALITY & QUANTITY CONTROL IS PROVIDED BY EXISTING POND A, DESIGNED UNDER F-01-043. THE RECHARGE (REV) REQUIREMENT FOR PARCEL A IS ALSO PROVIDED UNDER F-01-043.
- THERE ARE NO STREAMS, WETLANDS, OR FLOODPLAINS RELATED TO THIS SITE.
- ALL CURB RADII ARE 5' UNLESS NOTED OTHERWISE.
- SIDEWALKS ADJACENT PARKING SHALL BE 5' WIDE, EXCEPT WHERE DIMENSIONED OTHERWISE.
- CONTRACTOR SHALL UTILIZE PVC PIPE FOR ALL SEWER HOUSE CONNECTIONS. CONTRACTOR SHALL UTILIZE D.I.P. (CL 52) 6" WATER HOUSE CONNECTIONS.
- CONTRACTOR TO FIELD LOCATE ALL EXISTING UTILITY CONNECTIONS. SHOULD SUBSTANTIAL DISCREPANCIES ARISE, THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER BEFORE MAKING ADJUSTMENTS.
- USE TRENCH BEDDING CLASS 'C' FOR STORM DRAINS.
- PAVED AREAS INDICATED ARE PRIVATE EXCEPT AS NOTED.
- RECORDING REFERENCE: FLAT NO. 14232
- ALL PROPOSED RAMPS SHALL BE IN ACCORDANCE WITH CURRENT A.D.A. STANDARDS. ALL HANDICAP ACCESSIBLE SIDEWALKS SHALL HAVE A TWO PERCENT MAXIMUM CROSS SLOPE. PROVIDE A FIVE-FOOT BY FIVE-FOOT LEVEL (2 PERCENT MAX) LANDING AT THE TOP AND BOTTOM OF ALL RAMPS AND BUILDING ENTRANCES AND EXITS.
- ALL WATER METERS SHALL BE LOCATED INSIDE BUILDINGS.
- THE END OF THE PROPOSED UTILITY STUBS ARE LOCATED 5' FROM THE BUILDING FACE. FINAL CONNECTION TO THE BUILDING IS BY THE BUILDING PLUMBER.
- THE BUILDING-STORM DRAIN CONNECTIONS ARE TO BE CONSTRUCTED BY THE BUILDING PLUMBER.
- MAINTAIN 2% CROSS-SLOPES ON SIDEWALKS, PER STANDARD DETAILS. WHERE SIDEWALK IS ADJACENT TO BUILDING, SLOPE AWAY FROM BUILDING, AND UTILIZE EXPANSION JOINT MATERIAL AND SEALER IN THE JOINT BETWEEN THE SIDEWALK AND THE BUILDING WALL.
- SUFFICIENT SIGHT DISTANCE PER THE HOWARD COUNTY DESIGN MANUAL MUST BE PROVIDED AT ALL ACCESS POINTS. ANY LANDSCAPING THAT OBSTRUCTS THE LINE OF SIGHT MUST BE RELOCATED.
- THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE TRAFFIC GROUP DATED DECEMBER 6, 2008.
- NO NOISE STUDY IS REQUIRED FOR THIS PROJECT.
- THE PROPOSED USE OF PARCEL 'A' IS SHOPPING CENTER. THE HOWARD COUNTY INDUSTRIAL WASTE SURVEY QUESTIONNAIRE HAS BEEN SUBMITTED UNDER THIS SITE DEVELOPMENT PLAN.
- THIS PARCEL DOES NOT APPEAR ON THE COUNTY'S CEMETERY INVENTORY AS HAVING CEMETERIES OR BURIAL GROUNDS. ALSO, THERE IS NO PHYSICAL EVIDENCE OF EITHER CEMETERIES OR BURIAL GROUNDS BEING PRESENT ON THE SITE.
- COORDINATES AND BEARINGS ARE BASED UPON THE '83 MD STATE COORDINATE SYSTEM (NAD '83) AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NOS. 2243002, 2243003.
- FOREST CONSERVATION FOR THIS SITE HAS BEEN PROVIDED UNDER F-06-014.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE GRADING PERMIT AS NOTED ON SHEET #4. THE SURETY IS IN THE AMOUNT OF \$16,650.00
- Applicable DPZ File Reference: S-04-09 (approved 2/15/05), WP-04-103, F-06-014, WP-06-045 ZRA-63, F-01-001, P-06-001, AND F-01-043. F-14-016, SDP-10-046
- ALL OUTSIDE LIGHTING SHALL COMPLY WITH ZONING REGULATION SECTION 134 WHICH REQUIRES LIGHTS TO BE INSTALLED TO DIRECT/REFLECT LIGHT DOWNWARDS AND INWARDS ON SITE AWAY FROM ALL ADJOINING PUBLIC STREETS AND RESIDENTIAL AREAS.
- TRASH PICK UP FOR THIS SITE SHALL BE PRIVATE.
- NO CHANGE IN USE IS PERMITTED WITHOUT COMPLIANCE WITH THE APPLICABLE PARKING REQUIREMENTS OF ZONING SECTION 133.D AND THE APPROVAL OF DPZ.
- THE 10' STRUCTURE SETBACK REFERENCED FROM THE INTERNAL PUBLIC ROAD IS IN ACCORDANCE WITH ZONING SECTION 129.6.3.b (MND)
- THE PROPOSED PAVED AREAS ON THE SOUTHEAST SIDES OF PROPOSED BUILDINGS A AND B MAY REMAIN WITHIN THE 30' USE SETBACK, HOWEVER THESE PAVED AREAS MAY ONLY BE USED FOR PEDESTRIAN ACCESS AND/OR OUTDOOR DINING, AND NO OTHER USE

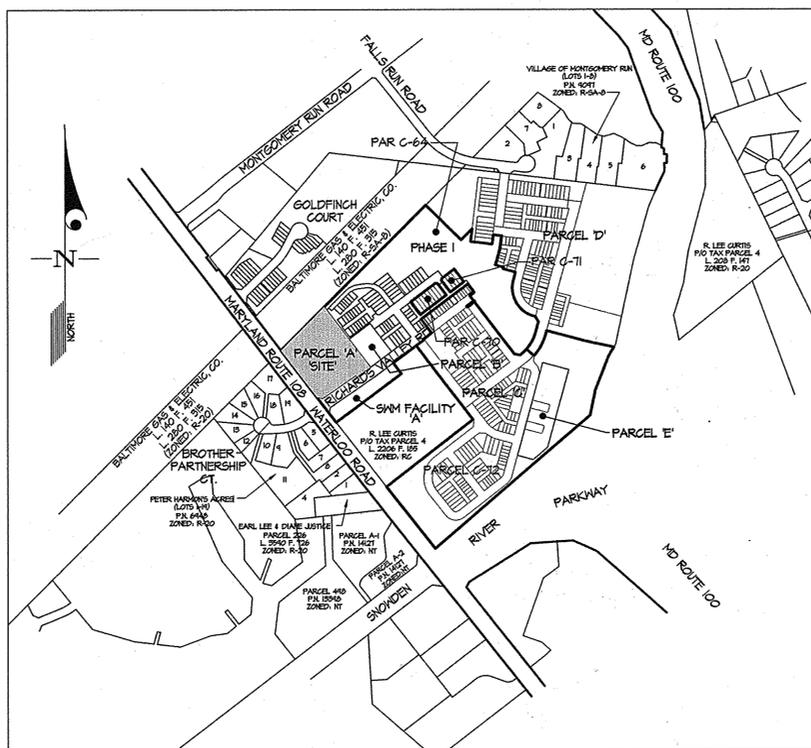
SITE DEVELOPMENT PLAN

SHIPLEY'S GRANT PARCEL 'A'



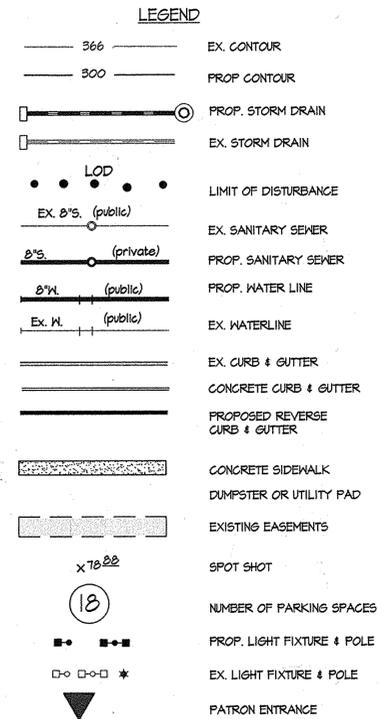
Howard County Control Stations
 STA 314 ELEV. = 511.65
 STANDARD DISC ON CONCRETE MONUMENT
 N 564,925.75, E 1,361,061.65
 STA 314 ELEV. = 431.28
 STANDARD DISC ON CONCRETE MONUMENT
 N 563,235.91, E 1,361,911.65

VICINITY MAP
 SCALE: 1" = 2,000'
 STANDARD DISC ON CONCRETE MONUMENT
 ADG HOWARD COUNTY MAP PAGE 16 - GRID F-6



AREA OVERVIEW

SCALE: 1" = 500'



SHEET INDEX

- COVER SHEET
- SITE DEVELOPMENT PLAN
- SITE & HANDICAP ACCESSIBILITY DETAILS
- STORM DRAIN/UTILITY DETAILS & PROFILES
- STORM DRAIN DRAINAGE AREA MAP
- SEDIMENT CONTROL PLAN
- SEDIMENT CONTROL NOTES & DETAILS
- LANDSCAPE PLAN
- LANDSCAPE NOTES, DETAILS & SCHEDULES
- BUILDING ELEVATIONS & ROOF LEADER DETAILS

ADDRESS CHART	
BUILDING	STREET ADDRESS
A	5125 RICHARDS VALLEY ROAD
B	5105 RICHARDS VALLEY ROAD

SITE ANALYSIS DATA CHART

Site Totals	Gross Area of Parcel A = 3.3834 acres	Disturbed Area = 3.0 acres	Gross Building Area = 25525 sq-ft.	Outdoor Creating Area = 624 sq-ft.	Canopy Area = 1436 sq-ft.	Building Coverage = 27461 sq-ft.	% Building Coverage = 10.63 %	Total Parking Required @ 5 spaces/1000 sq-ft. = 131 spaces	Total Parking Provided = 142 spaces	Total Handicap Parking Required = 6 spaces	Total Handicap Van Parking Required = 2 spaces	Handicap Parking Provided = 6 spaces	Total Handicap Van Parking Provided = 2 spaces
	Building A	USE: Shopping Center (Only uses permitted per Zoning Section 118.B)	Gross Building Area = 14043 sq-ft.	Canopy Area = 1532 sq-ft.		Building B	USE: Shopping Center (Only uses permitted per Zoning Section 118.B)	Gross Building Area = 6432 sq-ft.	Canopy Area = 404 sq-ft.	NOTES: 1. NO CHANGE IN USE IS PERMITTED WITHOUT COMPLIANCE WITH THE APPLICABLE PARKING REQUIREMENTS OF ZONING SECTION 133.D AND THE APPROVAL OF THE DPZ. 2. RESTAURANT USE(S) IN BUILDING B SHALL NOT EXCEED 50% OF ITS GROSS FLOOR AREA. IF RESTAURANT USE(S) IN BUILDING B EXCEED 50% OF ITS GROSS FLOOR AREA, THE PARKING REQUIREMENTS FOR BUILDING B SHALL BE CALCULATED SEPARATELY BASED ON ITS SPECIFIC USE(S) AND THE RELATED SPECIFIC PARKING REQUIREMENTS FOUND IN ZONING SECTION 133.D, WITH THE EXCEPTION OF ZONING SECTION 133.D.4 WHICH IS FOR SHOPPING CENTER.			

See SDP-10-046 for ultimate Parking Analysis

HOWARD COUNTY FIRE AND RESCUE GENERAL REQUIREMENTS:

- A KNOX BOX (FIRE DEPT. ACCESS BOX) IS REQUIRED TO BE PLACED IN FRONT OF THE BUILDING. IT SHALL BE PLACED TO THE RIGHT OF THE MAIN ENTRANCE AT A RANGE OF 4'-5' IN HEIGHT AND NO MORE THAN 6' LATERALLY FROM THE DOOR. THE BOX SHALL BE ELECTRONICALLY SUPERVISED TO NOTIFY THE OWNER THAT IT IS BEING ACCESSED. NFPA-1 10.2.2.5.11 AMENDED IN TITLE IT.
- MAINTAIN A MINIMUM CANOPY HEIGHT OF 13 FEET, 6 INCHES FOR EMERGENCY EQUIPMENT ACCESS. NFPA-1 10.2.2.5.11 AMENDED IN TITLE IT.
- PROVIDE SIGNAGE ON THE BUILDING IDENTIFYING BUILDING ACCESS.



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14931 Expiration Date May 21, 2008.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *Wesley Sheppard* Date: 8/10/07
 Chief, Division of Land Development: *Michael Kemp* Date: 8/10/07
 Chief, Development Engineering Division

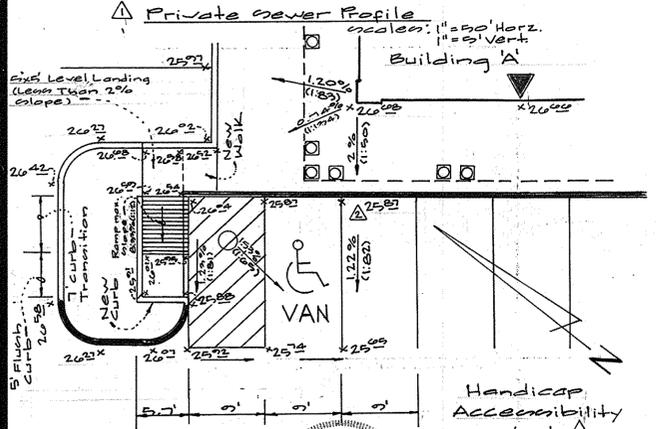
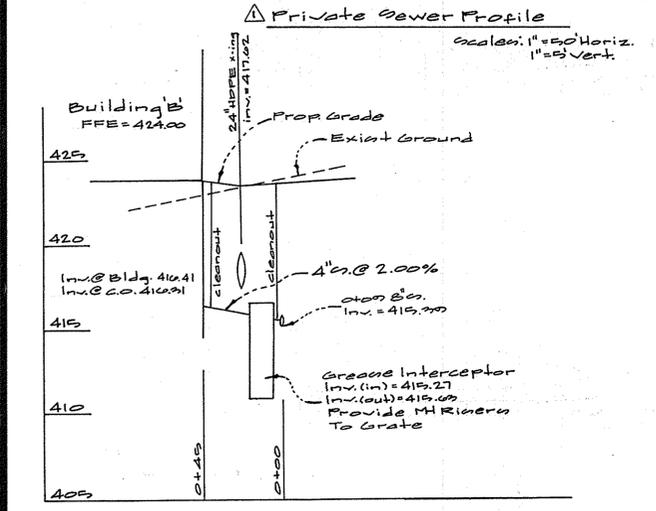
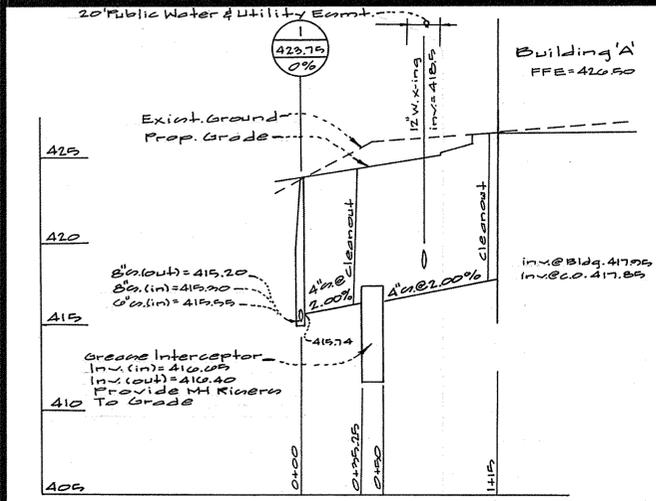
GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

PREPARED FOR:
 Shipley's Grant Retail, LLC
 C/O Bavar Properties Group
 1966 Greenspring Drive
 Suite 508
 Lutherville, MD 21093
 Robert Bavar
 410-560-0300

COVER SHEET
SHIPLEY'S GRANT
 PARCEL 'A'
 PN 19232

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	1 OF 10

11/05/14	Total Parking Provided Revised	gh
5/10/08	Rev Site Analysis Data Chart Van Parking Provided	gh
2/16/08	Add Outdoor creating area to site analysis data chart	gh
DATE	REVISION	BY
		APP'R



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14481 Expiration Date May 21, 2010.

Michael J. Taylor
Professional Engineer

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

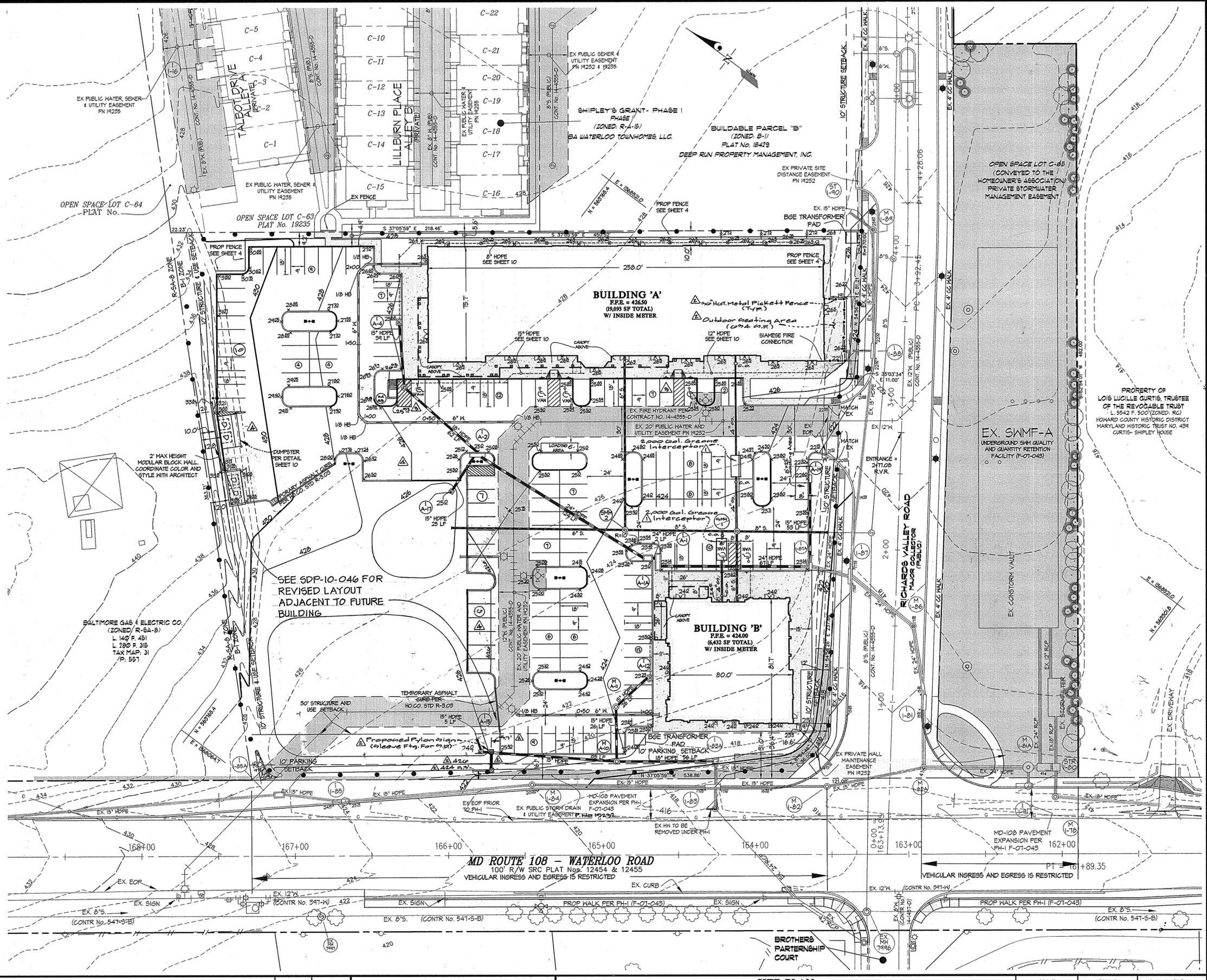
David P. Wyle 8/1/07
Director

Keith Sheehy 8/10/07
Chief, Division of Land Development

Michael J. Taylor 8/1/07
Chief, Development Engineering Division

GLWGUTSCHICK LITTLE & WEBER, P.A.
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BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

NO.	DATE	REVISION	BY	APPR.
11.05.14		Computer relocated & parking adjacent to future building revised	WJL	
5.13.09		Move parking to NW corner Bldg. A. Add Handicap Accessibility Detail	WJL	
2.09.09		Rev. Limits of Walk & Add outdoor seating area, add Pylon sign	WJL	
9.4.08		Add Sew. Conn. to Bldg. A & B For Grease Interceptor	WJL	

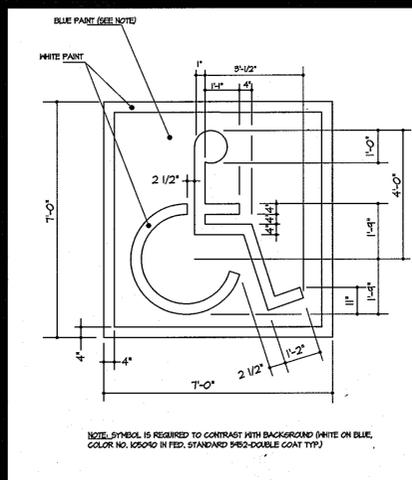


PREPARED FOR:
Shipley's Grant Retail, LLC
C/O Bavar Properties Group
1966 Greenspring Drive
Suite 508
Lutherville, MD 21093
Robert Bavar
410-560-0300

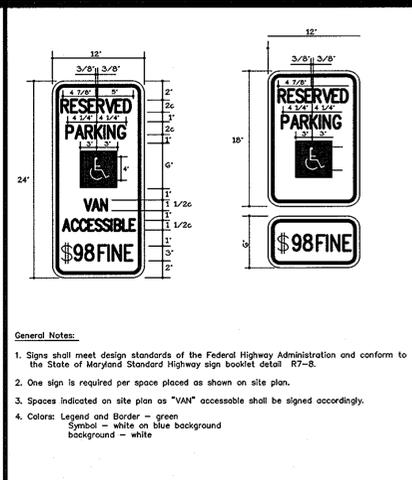
SITE PLAN
SHIPLEY'S GRANT
PARCEL 'A'
PN 19232

ELECTION DISTRICT No. 1

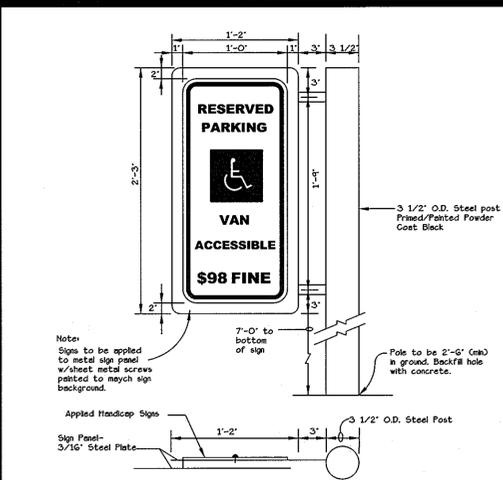
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1" = 30'	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	2 OF 10



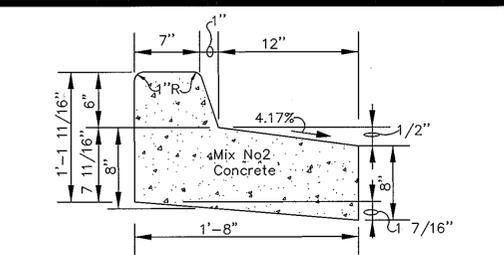
HANDICAP STENCIL DETAIL N.T.S.



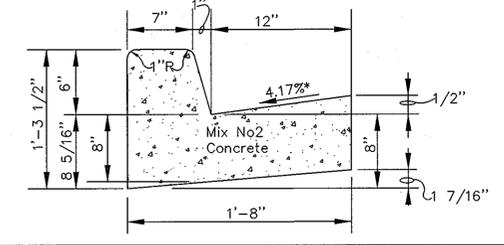
Handicap Parking Signs Detail N.T.S.



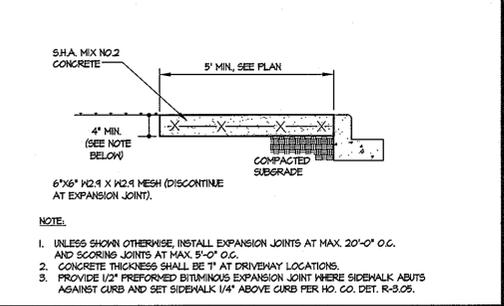
Mounting Detail For Parking Restriction Sign N.T.S.



Reverse 6" Combination Curb & Gutter N.T.S.



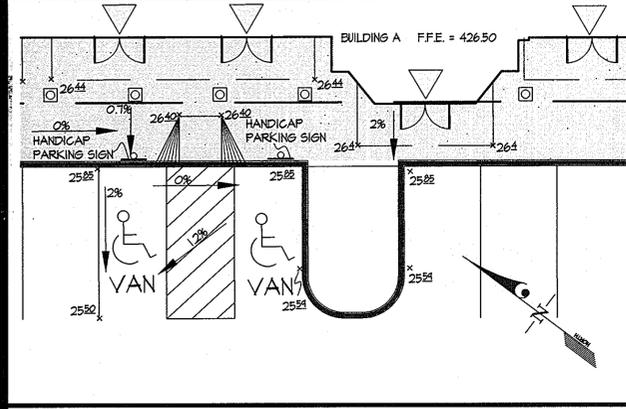
Standard 6" Combination Curb & Gutter N.T.S.



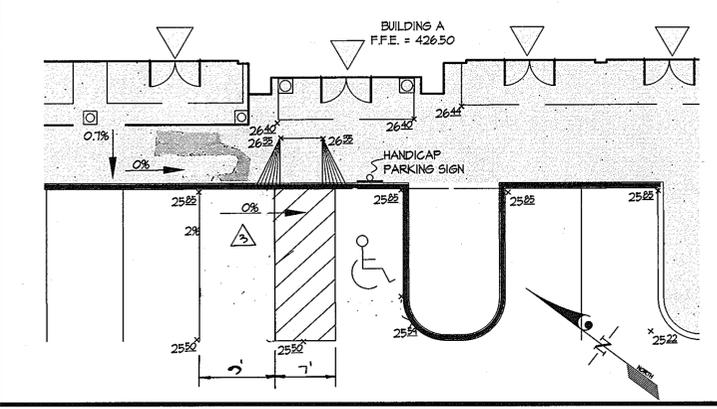
TYPICAL SIDEWALK SECTION N.T.S.



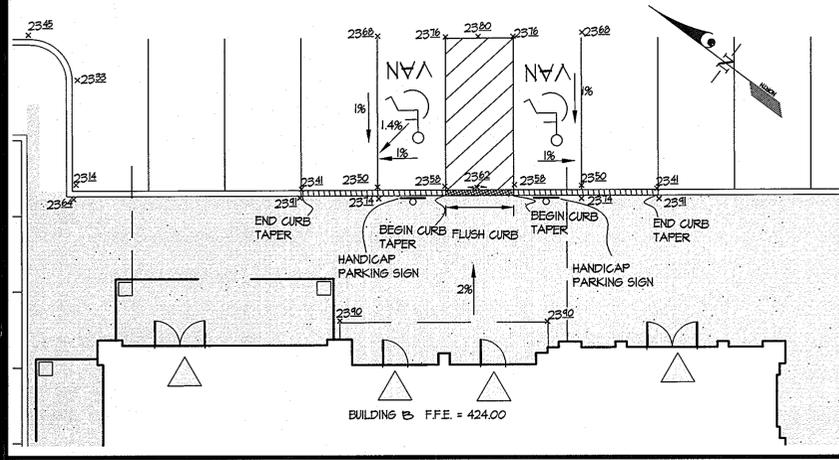
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14493 Expiration Date May 21, 2008.



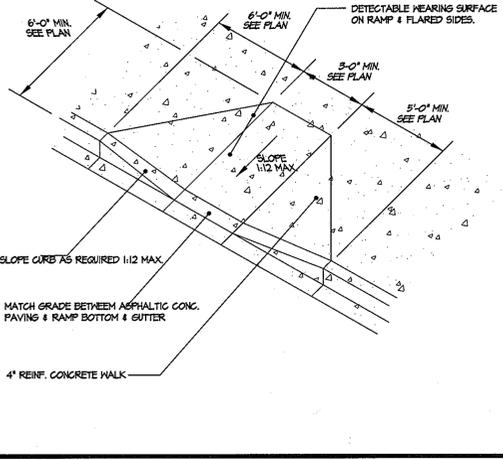
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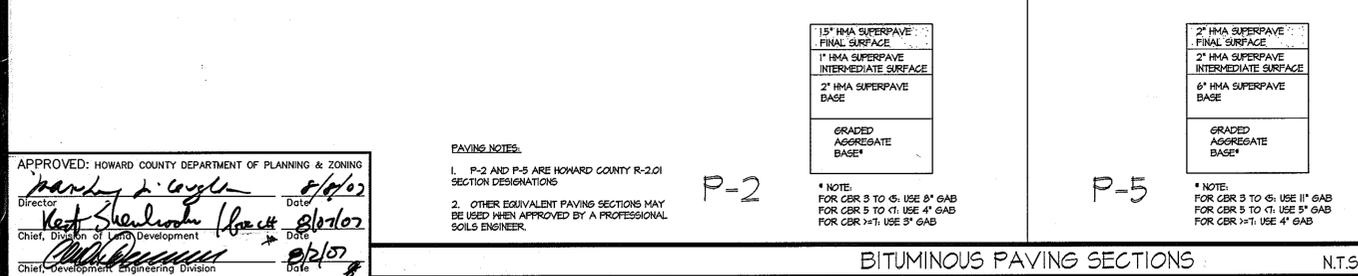
HANDICAP ACCESSIBILITY DETAIL SCALE: 1" = 10'



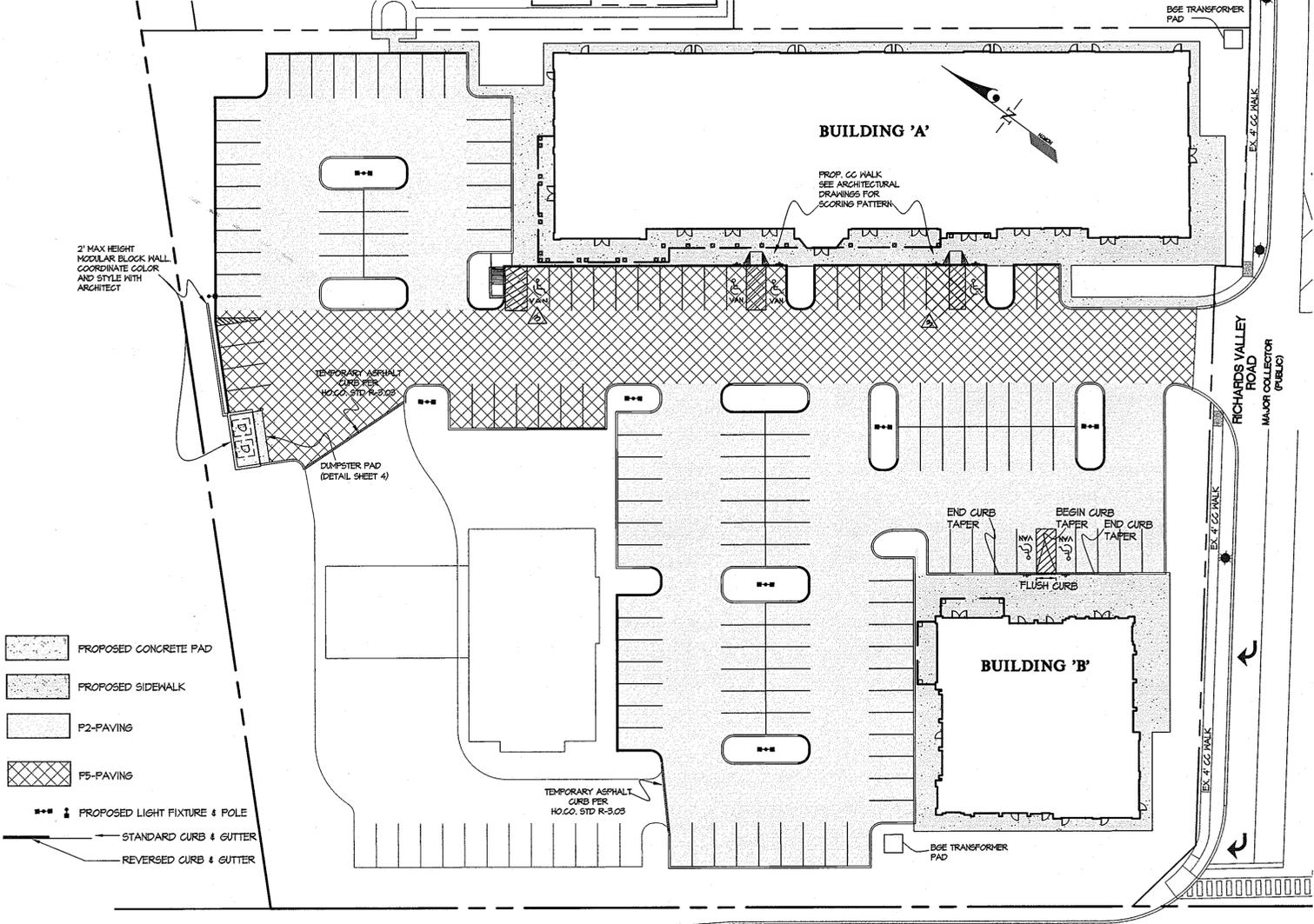
HANDICAP ACCESSIBILITY DETAIL SCALE: 1" = 10'



TYPE-I CURB RAMP N.T.S.



BITUMINOUS PAVING SECTIONS N.T.S.



PAVING, CURB, AND LIGHTING DELINEATION PLAN SCALE: 1" = 30'

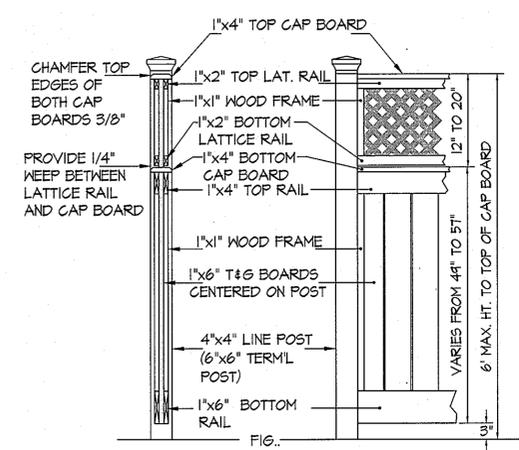
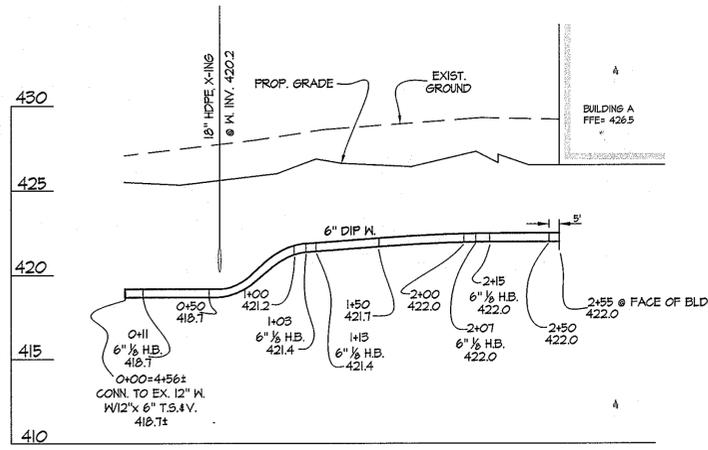
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *Kevin Sheehy* Date: 8/10/07
 Chief, Division of Land Development: *Chris Williams* Date: 8/10/07

GLWGUTSCHICK LITTLE & WEBER, P.A.
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PREPARED FOR:
 Shipley's Grant Retail, LLC
 C/O Bavar Properties Group
 1966 Greenspring Drive
 Suite 508
 Lutherville, MD 21093
 Robert Bavor
 410-560-0300

SITE DETAILS
SHIPLEY'S GRANT
 PARCEL 'A'
 PN 19232
 ELECTION DISTRICT No. 1
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	3 OF 10



S.D. Pipe Summary Table
PRIVATELY OWNED AND MAINTAINED

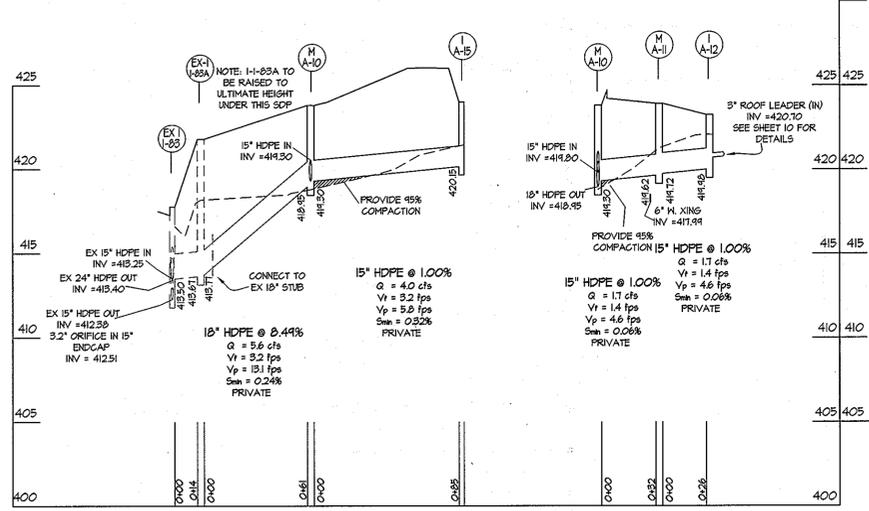
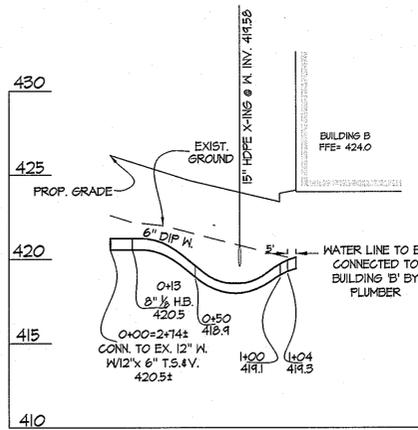
Size (in.)	Type	Quantity (L.F.)	Remarks
15	HDPE	265	ADS N12 or equiv.
18	HDPE	123	ADS N12 or equiv.
24	HDPE	222	ADS N12 or equiv.

S.D. STRUCTURE SCHEDULE

NO.	TYPE	WIDTH (INSIDE)	TOP ELEVATION		INVERT ELEVATION		STANDARD DETAIL	NOTES	OWNERSHIP & MAINTENANCE
			UPPER	LOWER	UPPER	LOWER			
I-A-1	A-10	2'-6"	423.74	423.64	418.12	418.02	HO. CO. SD 4.03		PRIVATE
I-A-1A	A-5	3'-0"	423.61	423.50	418.24	418.14	HO. CO. SD 4.01		PRIVATE
I-A-2	A-10	3'-0"	423.50	---	420.34	419.44	HO. CO. SD 4.03		PRIVATE
M-A-3	MANHOLE	4'-0"	423.88	---	422.08	420.35	HO. CO. G. 5.12		PRIVATE
I-A-4	'S'	2'-6"	426.58	---	423.15	422.47	HO. CO. SD 4.22	PEDESTRIAN FRIENDLY GRATE	PRIVATE
M-A-10	MANHOLE	4'-0"	423.80	---	419.30	418.85	HO. CO. G. 5.12		PRIVATE
M-A-11	MANHOLE	4'-0"	423.95	---	419.72	419.62	HO. CO. G. 5.12		PRIVATE
I-A-12	'S'	2'-6"	423.25	---	419.98	420.70	HO. CO. SD 4.22	PEDESTRIAN FRIENDLY GRATE	PRIVATE
I-A-15	24" NYLOPLAST DRAIN BASIN	2'-0"	424.00	---	420.15	terminal	---	NYLOPLAST DRAIN 1001-10-253	PRIVATE
I-A-17	24" NYLOPLAST DRAIN BASIN	2'-0"	423.00	---	420.64	terminal	---	NYLOPLAST DRAIN 1001-10-253	PRIVATE
I-A-19	A-5	2'-6"	423.10	---	418.45	terminal	HO. CO. SD 4.01		PRIVATE

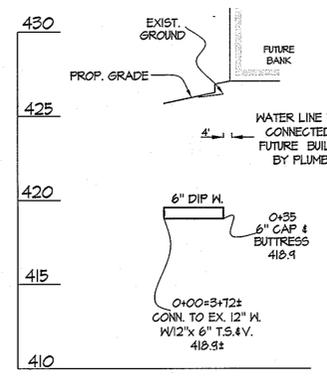
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FENCE WITH LATTICE TOP SECTION DETAIL

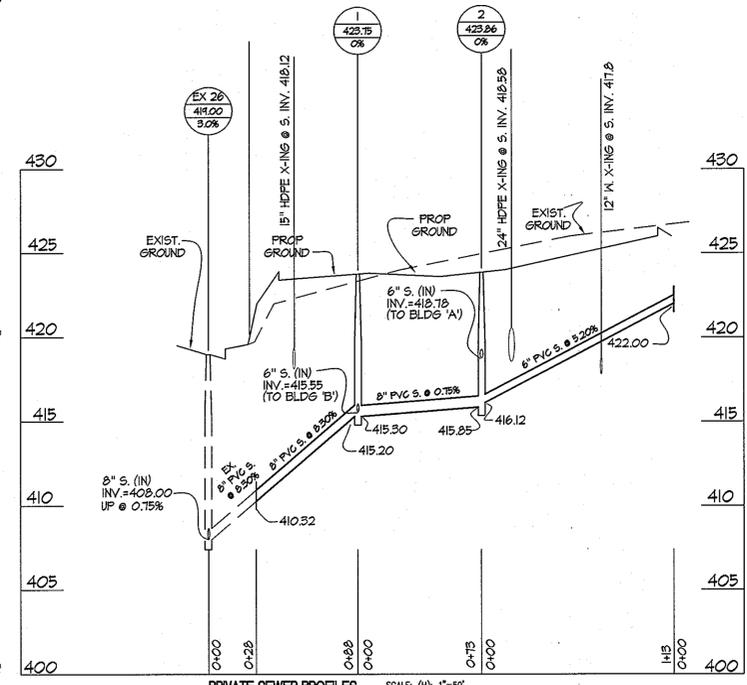


PRIVATE STORM DRAIN PROFILES SCALE: (H): 1"=50' (V): 1"=5'

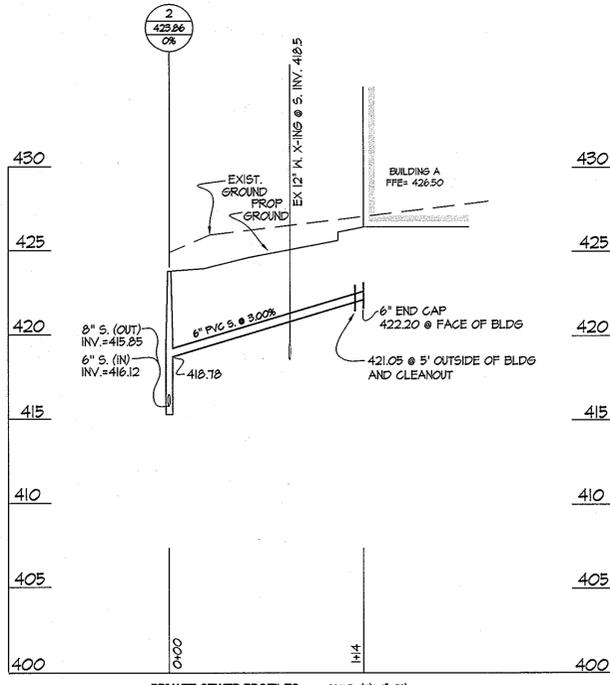
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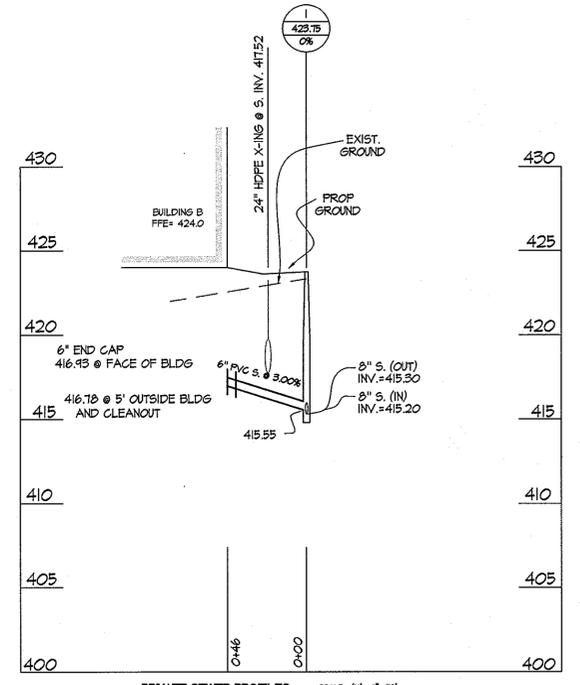
PRIVATE WATER PROFILES SCALE: (H): 1"=50' (V): 1"=5'



PRIVATE SEWER PROFILES SCALE: (H): 1"=50' (V): 1"=5'



PRIVATE SEWER PROFILES SCALE: (H): 1"=50' (V): 1"=5'



PRIVATE SEWER PROFILES SCALE: (H): 1"=50' (V): 1"=5'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *Mandy A. Layton* 2/6/07
 Chief, Division of Land Development: *Robert Bavar* 2/6/07
 Chief, Development Engineering Division: *Michael J. Topp* 2/6/07

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14451. Expiration Date May 21, 2008.

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
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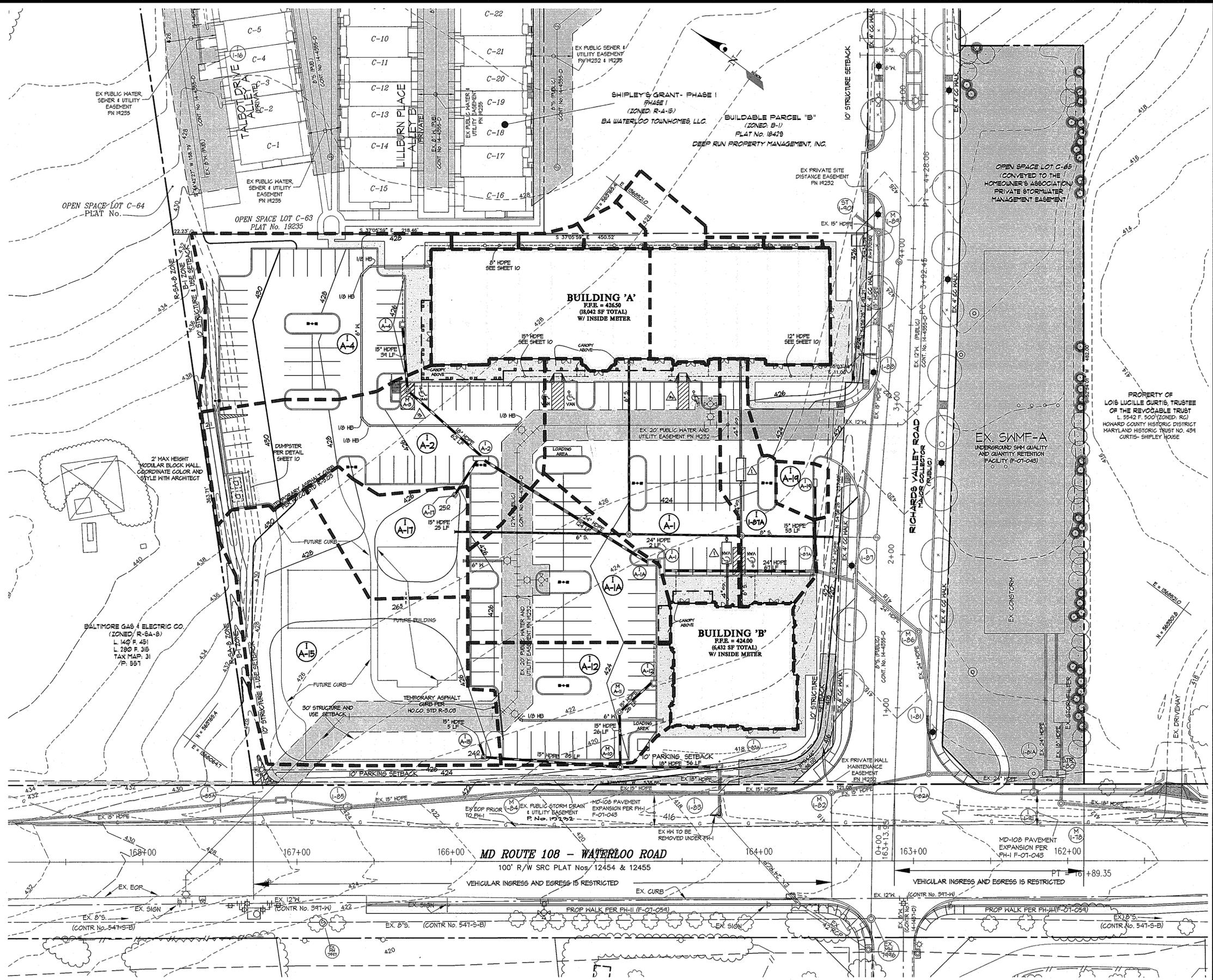
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SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	4 OF 10

DRAINAGE AREA SUMMARY TABLE			
AREA	D.A. (ACRES)	% IMP.	'C'
EX-H-87A	0.12	100	0.9T
I-A-1	0.23	100	0.9T
I-A-1A	0.24	100	0.9T
I-A-2	0.23	100	0.9T
I-A-3	0.27	100	0.9T
I-A-12	0.21	100	0.9T
I-A-15	0.48	100	0.9T
I-A-17	0.14	100	0.9T
I-A-18	0.03	100	0.9T
BLDG A	0.41	100	0.9T
BLDG B	0.15	100	0.9T

* SITE HAS BEEN MASS GRADED UNDER F-06-109, C SOILS ASSUMED OVER ENTIRE SITE



Michael J. Topp
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14493 Expiration Date May 21, 2010.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Paul A. ... 6/16/07
Director
Paul Sheehy 6/16/07
Chief, Division of Land Development
... 6/16/07
Chief, Development Engineering Division

GLWGUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APPR.
6.16.07	Move the parking to NW corner Bldg. A & B	WGS	
7.4.07	Add new connection to Bldg. A for Grease Interceptor	WGS	

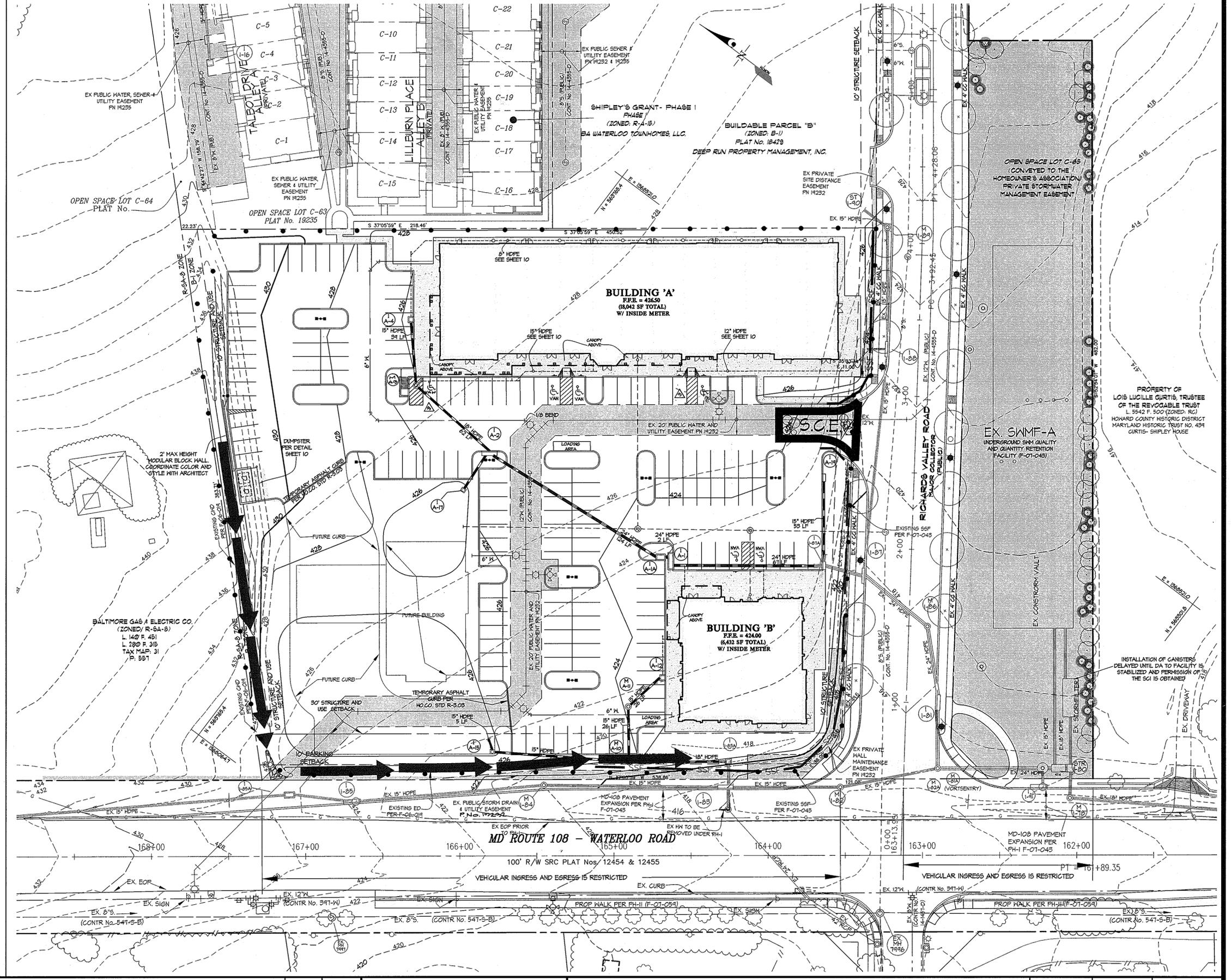
PREPARED FOR:
Shipley's Grant Retail, LLC
C/O Bavar Properties Group
1966 Greenspring Drive
Suite 508
Lutherville, MD 21093
Robert Bavar
410-560-0300

STORM DRAIN DRAINAGE AREA MAP
SHIPLEY'S GRANT
PARCEL 'A'
PN 19232
ELECTION DISTRICT No. 1

SCALE	ZONING	G. L. W. FILE No.
1" = 30'	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	5 OF 10

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT AND ARRANGE THE PRE-CONSTRUCTION MEETING WITH THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR (SCI), CONTRACTOR, DESIGN ENGINEER, & DEVELOPER. (1 DAY)
2. VERIFY THE CONDITION OF THE EXISTING SEDIMENT CONTROLS AND REPAIR/IMPROVE AS NECESSARY. (1 DAY)
3. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE AND THE SILT FENCE. (1 DAY)
4. FINE GRADE THE SITE, INSTALL UTILITIES, PAVE AND STABILIZE. (2 WEEKS)
5. FLUSH AND PUMP CLEAN ALL STORM DRAIN STRUCTURES AND PIPES. (1 DAY)



DEVELOPER'S/BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR (SCI).
 Signature of Developer/Builder: [Signature]
 DATE: 7/23/07



ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature of Registered Engineer: Michael J. Trapp
 DATE: 7/23/07

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14931 Expiration Date May 21, 2008.

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.
 Signature: Jim M...
 Date: 7/30/07
 National Resources Conservation Service
 This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 Signature: [Signature]
 Date: 7/30/07

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: [Signature] Date: 8/18/07
 Chief, Division of Land Development: [Signature] Date: 8/18/07
 Chief, Development Engineering Division: [Signature] Date: 8/18/07

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20886
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APPR.

PREPARED FOR:
 Shipley's Grant Retail, LLC
 C/O Bavar Properties Group
 1966 Greenspring Drive
 Suite 508
 Lutherville, MD 21093
 Robert Bavor
 410-560-0300

SEDIMENT CONTROL PLAN
SHIPLEY'S GRANT
 PARCEL 'A'
 PN 19232
 ELECTION DISTRICT No. 1
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1" = 30'	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	6 OF 10

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
I. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPE WHERE:

- A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
B. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIED OF MOISTURE AND NUTRIENT PLANTS.
C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.

II. 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
I. 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 FROM A GIVEN SOIL TYPE CAN BE FOUND IN THE RESPECTIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.

II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:

- A. 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 CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
B. TOPSOIL MUST BE FREE OF PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

C. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 5 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.

III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
A. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 2.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS (OR SEE SEEDING NOTES).

IV. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:

- A. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
1. PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN 6.0, SURFICIAL LIME SHALL BE PRESCRIBED TO RAISE THE PH TO 6.5 OR HIGHER.
2. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
3. TOPSOIL HAVING SOLUBLE SALT GREATER THAN 500 PARTS PER MILL SHALL NOT BE USED.
4. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHOTO-TOXIC 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.
B. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 2.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS (OR SEE SEEDING NOTES).

V. TOPSOIL APPLICATION

- A. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSION, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
B. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4"-8" HIGHER IN ELEVATION.
C. 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.

D. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDING PREPARATION.

VI. 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:

- A. 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:
1. 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.
2. 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.
3. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.

PERMANENT SEEDING NOTES

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

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES

- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE FEET) 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 TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREA-FORM FERTILIZER (9 LBS/1000 SQ FT).
2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 1000 LBS PER ACRE OF 10-10-10 FERTILIZER (23 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 1 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 (.05 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE 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 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING. MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).

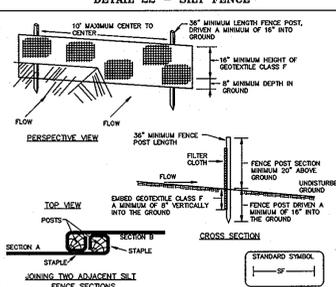
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.
MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROTTED WED-FREE, SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 GAL 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.

NOTE: THESE SEEDING NOTES ARE THE MINIMUM REQUIRED FOR SEDIMENT CONTROL. REFER TO PROJECT SPECIFICATIONS FOR SEEDING REQUIREMENTS OF OTHER AREAS OF THE SITE.

SEDIMENT CONTROL NOTES

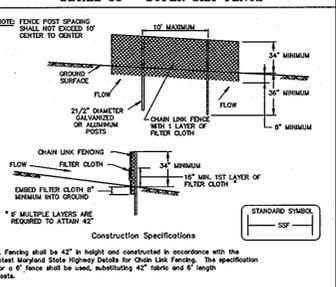
- 1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (410) 313-1855
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES AND PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1. B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. 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, SOD, TEMPORARY SEEDINGS AND MULCHING (SEC. C). TEMPORARY STABILIZATION, WITH MULCH ALONE, CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:
TOTAL AREA OF SITE : 3.38 acres
AREA DISTURBED : 3.0 AC.
AREA TO BE ROOFED OR PAVED : 2.8 ACRES
AREA TO BE VEGETATIVELY STABILIZED : 0.6 ACRES
TOTAL CUT : 3800 CU. YDS.
TOTAL FILL : 3800 CU. YDS.
OFF-SITE WASTE/BORROW AREA LOCATION: N/A
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10. 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.
11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO 3 PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED AND STABILIZED WITHIN 1 WORKING DAY, WHICHEVER IS SHORTER.

DETAIL 22 - SILT FENCE



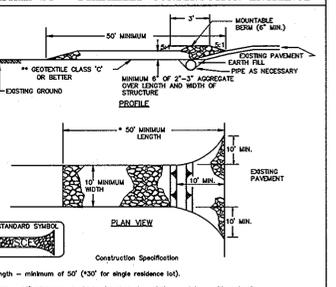
Construction Specifications
1. Fence posts shall be a minimum of 3/4" x 1/2" x 1/2" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) and 1 1/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard 1" or 1 1/2" diameter galvanized steel pipe with a minimum of 18" into the ground.
2. Geotextile shall be fastened securely to each fence post with wire ties and staples at top and mid-section and shall meet the following requirements for Geotextile Class F1:
Tensile Strength 50 lbs/ft (min.) Test: MGMT 509
Tensile Modulus 20 lbs/ft (min.) Test: MGMT 509
Flow Rate 0.3 gal/ft./min. (max.) Test: MGMT 322
Filtering Efficiency 75% (min.) Test: MGMT 322
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when annual accumulation reaches 50% of the fabric height.

DETAIL 33 - SUPER SILT FENCE



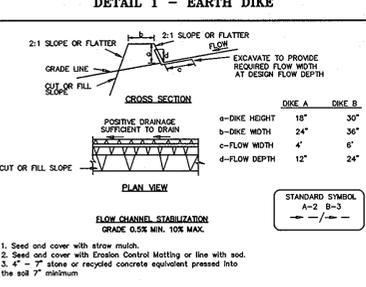
Construction Specifications
1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Design for Drain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" auger posts.
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and top wire rods, drive anchors and post caps are not required except on the top of the fence.
3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 6" into the ground.
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and all bulges removed when "bulges" develop in the silt fence, or when all reaches 50% of fence height.
7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F1:
Tensile Strength 50 lbs/ft (min.) Test: MGMT 509
Tensile Modulus 20 lbs/ft (min.) Test: MGMT 509
Flow Rate 0.3 gal/ft./min. (max.) Test: MGMT 322
Filtering Efficiency 75% (min.) Test: MGMT 322

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



Construction Specifications
1. Length - minimum of 50' (30' for single residence lots).
2. Width - 10' minimum, should be fixed at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. If the site approval authority may not require single family residences to use geotextile.
4. Filter cloth shall be embedded a minimum of 6" into the ground.
5. 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.
6. Surface Water - all surface water flowing to or diverted toward construction entrances shall be placed through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a moundside berm with 5:1 slopes and a minimum of 4' of stone over the pipe. Pipe has to be sized according to the drainage. When the SCS is located at a high spot and has no drainage to convey to pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
7. 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.

DETAIL 1 - EARTH DIKE



Construction Specifications
1. All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1% to an outlet.
2. Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
3. Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
4. All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
5. 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 impede normal flow.
6. Fill shall be compacted by earth moving equipment.
7. All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
8. Inspection and maintenance must be provided periodically and after each rain event.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Director: [Signature] Date: 8/16/07
Chief, Division of Land Development: [Signature] Date: 8/16/07
Chief, Development Engineering Division: [Signature] Date: 8/16/07

These plans have been reviewed for the Howard County Department of Planning & Zoning and meet the technical requirements.
[Signature] Date: 7/23/07
The Development Plan is approved for Soil Erosion and Sediment Control by the Howard County Department of Planning & Zoning.
[Signature] Date: 7/23/07

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SEDIMENT CONTROL DISTRICT.
[Signature] Date: 7/23/07
Signature of Registered Engineer DATE

DEVELOPER'S/BUILDER'S CERTIFICATE
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE DISTRICT.
[Signature] Date: 7/23/07
SIGNATURE OF DEVELOPER/BUILDER DATE

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14451 Expiration Date May 21, 2008.

GLWGUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-999-2524 FAX: 301-421-4186

Table with columns: DATE, REVISION, BY, APPR.

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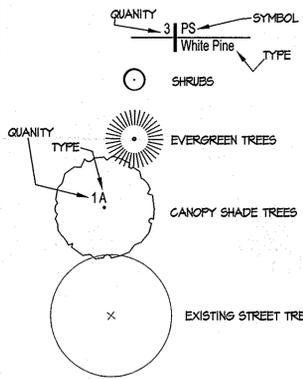
PREPARED FOR: Shipley's Grant Retail, LLC
C/O Bavar Properties Group
1966 Greenspring Drive
Suite 508
Lutherville, MD 21093
Robert Bavar
410-560-0300

SEDIMENT CONTROL DETAILS AND NOTES
ELECTION DISTRICT No. 1

Table with columns: SCALE, ZONING, G. L. W. FILE No., DATE, TAX MAP - GRID, SHEET

Table with columns: SCALE, ZONING, G. L. W. FILE No., DATE, TAX MAP - GRID, SHEET

PLANTING LEGEND



LANDSCAPE NOTES

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE & THE NEW TOWN ALTERNATIVE COMPLIANCE PROVISIONS OF CHAPTER VI OF THE HOWARD COUNTY LANDSCAPE MANUAL.
 - CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST (5) FIVE DAYS BEFORE STARTING WORK. ALL GENERAL NOTES, ESPECIALLY THOSE REGARDING UTILITIES, ON SHEET NO.1 SHALL APPLY.
 - FIELD VERIFY UNDERGROUND UTILITY LOCATIONS AND EXISTING CONDITIONS BEFORE STARTING PLANTING WORK. CONTACT CONSTRUCTION MANAGER OR OWNER IF ANY RELOCATIONS ARE REQUIRED.
 - PLANT QUANTITIES SHOWN ON THE PLAN LIST ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IF DISCREPANCIES EXIST BETWEEN QUANTITIES SHOWN ON THE PLAN AND THOSE SHOWN ON THE PLANT LIST, THE QUANTITIES ON THE PLAN SHALL TAKE PRECEDENCE.
 - ALL PLANT MATERIAL SHALL BE FULL, HEAVY, WELL FORMED, SYMMETRICAL, AND CONFORM TO THE A.A. SPECIFICATIONS. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THIS PLAN.
 - NO SUBSTITUTION SHALL BE MADE WITHOUT PRIOR APPROVAL FROM HOWARD COUNTY DPZ AND THE OWNER OR HIS REPRESENTATIVE.
 - ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES BUT NOT OTHERWISE PLANTED, PAVED, OR MULCHED SHALL BE SOEDED OR SEEDED IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATION. A MINIMUM OF 4" OF TOPSOIL SHALL BE PROVIDED TO ALL PLANTING AREAS (FOR TOPSOIL SPEC. SEE SHEET 1).
 - THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING IF HE/SHE ENCOUNTERS SOIL DRAINAGE CONDITIONS THAT MAY BE DETRIMENTAL TO THE GROWTH OF THE PLANTS.
 - ALL EXPOSED EARTH WITHIN THE LIMITS OF PLANTING BEDS SHALL BE MULCHED WITH SHREDDED HARDWOOD MULCH PER THE PLANTING DETAILS.
 - DO NOT PLANT WITHIN THE PUBLIC WATER AND UTILITY EASEMENT.
 - THE OWNER, TENANT AND OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS, BERMS AND FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, BE REPLACED WITH NEW MATERIALS TO INSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION AND WHEN NECESSARY, REPAIRED AND REPLACED.
 - SCHEDULES 'A' AND 'B' (ON SHEET 1) ARE PROVIDED FOR LANDSCAPE SURETY CALCULATION PURPOSES. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING PER THE SCHEDULES HAS BEEN POSTED AS PART OF THE GRADING PERMIT ASSOCIATED WITH THIS SDP. THE LANDSCAPE SURETY IS \$16,850.00 FOR THE FOLLOWING:

85 SHRUBS @ \$30.00 EA	= \$2,550.00
28 EVERGREEN TREES @ \$150.00 EA	= \$4,200.00
33 SHADE TREES @ \$500.00 EA	= \$16,900.00
- FOR THE RELEASE OF THE SURETY, CONTACT HOWARD COUNTY DEPT. OF PLANNING & ZONING AT 410-319-2250.



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14451 Expiration Date May 21, 2010.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *Keith Sheehy* Date: 3/10/07
 Chief, Division Land Development: *Michael J. Gutschick* Date: 3/2/07
 Chief, Development Engineering Division: *Michael J. Gutschick* Date: 3/2/07

GLWGUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
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 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BAL: 410-880-1620 DCVA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.
5.12.09	Move the Parking to the Corner Bldg.	WJS	
7.29.09	Add New Curbs To Bldg. A & B For Organic Interceptors	WJS	

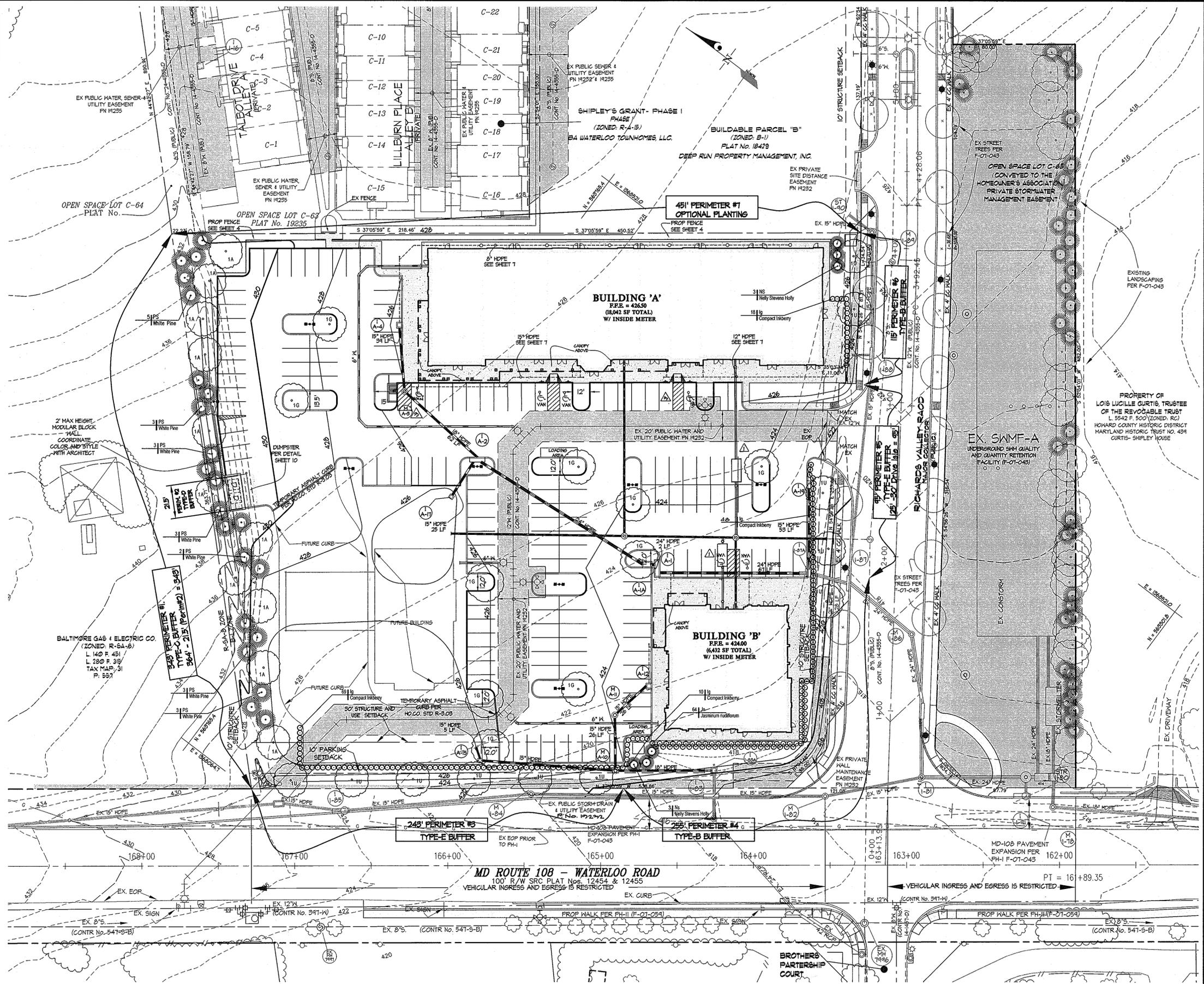
PREPARED FOR:
 Shipley's Grant Retail, LLC
 C/O Bavar Properties Group
 1966 Greenspring Drive
 Suite 508
 Lutherville, MD 21093
 Robert Bover
 410-560-0300

LANDSCAPE PLAN

SHIPLEY'S GRANT

PARCEL 'A'
 PN 19232

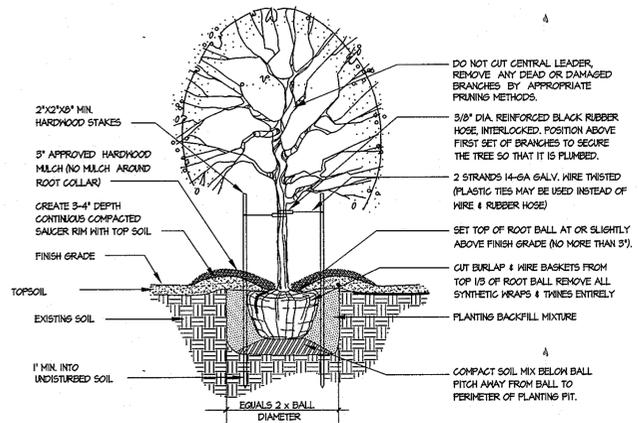
SCALE	ZONING	G. L. W. FILE No.
1" = 30'	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	8 OF 10



ELECTION DISTRICT No. 1

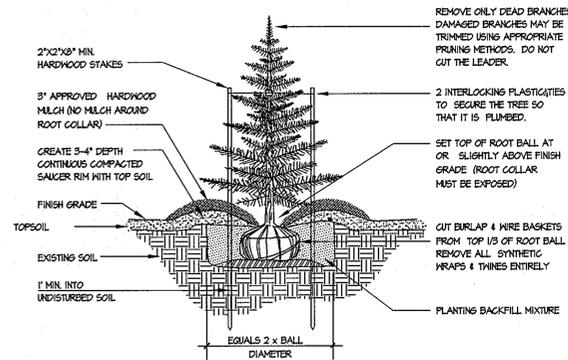
HOWARD COUNTY, MARYLAND

SPECIFICATIONS: PLANT MATERIALS AND PLANTING METHODS



NOTE: ALL SUPPORTING DEVICES (STAKES, WIRES, ETC.) SHALL BE REMOVED AFTER 2 GROWING SEASONS.

DECIDUOUS TREE PLANTING DETAIL
FOR PLANTING MATERIAL UP TO 3 1/2" CALIPER



NOTE: ALL SUPPORTING DEVICES (STAKES, TIES, ETC.) SHALL BE REMOVED AFTER 2 GROWING SEASONS.

EVERGREEN TREE PLANTING DETAIL

NOTE: SET ROOT BALL AT OR SLIGHTLY ABOVE FINISH GRADE.

CONTAINERS TO BE REMOVED PRIOR TO PLANTING. SCARIFY ROOT EDGES TO STIMULATE GROWTH.

3" MULCH - AS SPECIFIED

MOUND EARTH SAUCER (FOR ISOLATED PLANTING SITUATION)

PLANTING BACKFILL MIXTURE

SCARIFY SOIL BELOW ROOTBALL

SHRUB PLANTING DETAIL

A. PLANT MATERIALS

THE LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL AND/OR DIG, BALL, BURLAP AND TRANSPORT ALL OF THE PLANT MATERIALS CALLED FOR ON DRAWINGS AND/OR LISTED IN THE PLANT SCHEDULE.

1. PLANT NAMES

PLANT NAMES USED IN THE PLANT SCHEDULE SHALL CONFORM WITH "STANDARDIZED PLANT NAMES," LATEST EDITION.

2. PLANT STANDARDS

ALL PLANT MATERIAL SHALL BE EQUAL TO OR BETTER THAN THE REQUIREMENTS OF THE 1984 STANDARD FOR NURSERY STOCK, LATEST EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (HERE-AFTER REFERRED TO AS AAN STANDARDS). ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, SHALL HAVE A NORMAL HABIT OF GROWTH AND SHALL BE FIRST QUALITY, SOUND, VIGOROUS, WELL-BRANCHED AND WITH HEALTHY, WELL-FURNISHED ROOT SYSTEMS. THEY SHALL BE FREE OF DISEASE, INSECT PESTS AND MECHANICAL INJURIES.

ALL PLANTS SHALL BE NURSERY GROWN AND SHALL HAVE BEEN GROWN UNDER THE SAME CLIMATE CONDITIONS AS THE LOCATION OF THIS PROJECT FOR AT LEAST TWO YEARS BEFORE PLANTING. NEITHER HEELED-IN PLANTS NOR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.

3. PLANT MEASUREMENTS

ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULE AS APPROVED BY THE DESIGN REVIEW COMMITTEE (DRG).

A. CALIPER MEASUREMENTS SHALL BE TAKEN SIX INCHES (6") ABOVE GRADE FOR TREES UNDER FOUR-INCH (4") CALIPER AND TWELVE (12") ABOVE GRADE FOR TREES FOUR INCHES (4") IN CALIPER AND OVER.

B. MINIMUM BRANCHING HEIGHT FOR ALL SHADE TREES SHALL BE SIX FEET (6'), MAXIMUM EIGHT FEET (8').

C. CALIPER, HEIGHT, SPREAD AND SIZE OF BALL SHALL BE GENERALLY AS FOLLOWS:

CALIPER	HEIGHT	SPREAD	SIZE OF BALL
3" - 3.5"	14'-16'	6'-8'	32" DIAMETER
3.5" - 4"	14'-16'	8'-10'	36" DIAMETER
4" - 4.5"	16'-18'	8'-10'	40" DIAMETER
4.5" - 5"	16'-17'	10'-12'	44" DIAMETER
5" - 5.5"	18'-20'	10'-12'	48" DIAMETER
5.5" - 6"	18'-20'	12'-14'	52" DIAMETER

ALL PLANT MATERIAL SHALL GENERALLY AVERAGE THE MEDIAN FOR THE SIZE RANGE INDICATED ABOVE AS INDICATED IN THE "AAN STANDARDS".

4. PLANT IDENTIFICATION

LEGIBLE LABELS SHALL BE ATTACHED TO ALL SHADE TREES, MINOR TREES, SPECIMEN SHRUBS AND BUNDLES OR BOXES OF OTHER PLANT MATERIAL GIVING THE BOTANICAL AND COMMON NAMES, SIZE AND QUANTITY OF EACH. EACH SHIPMENT OF PLANTS SHALL BEAR CERTIFICATES OF INSPECTION AS REQUIRED BY FEDERAL, STATE AND COUNTY AUTHORITIES.

5. PLANT INSPECTION

THE DESIGN REVIEW COMMITTEE MAY, UPON REQUEST BY THE BUILDER OR DEVELOPER, AT LEAST TEN (10) DAYS PRIOR TO THE INSTALLATION OF ANY PROPOSED PLANT MATERIAL, INSPECT ALL PROPOSED PLANT MATERIAL AT THE SOURCE OF ORIGIN.

B. PLANTING METHODS

ALL PROPOSED PLANT MATERIALS THAT MEET THE SPECIFICATIONS IN SECTION A ARE TO BE PLANTED IN ACCORDANCE WITH THE FOLLOWING METHODS DURING THE PROPER PLANTING SEASONS AS DESCRIBED IN THE FOLLOWING:

1. PLANTING SEASONS

THE PLANTING OF DECIDUOUS TREES, SHRUBS AND VINES SHALL BE FROM MARCH 1ST TO JUNE 15TH AND FROM SEPTEMBER 15TH TO DECEMBER 15TH. PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING THE WINTER MONTHS PROVIDED THERE IS NO FROST IN THE GROUND AND FROST-FREE TOPSOIL PLANTING MIXTURES ARE USED.

THE PLANTING OF EVERGREEN MATERIAL SHALL BE FROM MARCH 15TH TO JUNE 15TH AND FROM AUGUST 15TH TO DECEMBER 15TH. NO PLANTING SHALL BE DONE WHEN THE GROUND IS FROZEN OR EXCESSIVELY MOIST. NO FROZEN OR WET TOPSOIL SHALL BE USED AT ANY TIME.

2. DIGGING

ALL PLANT MATERIAL SHALL BE DUG, BALLED AND BURLAPED (B4B) IN ACCORDANCE WITH THE "AAN STANDARDS".

3. EXCAVATION OF PLANT PITS

THE LANDSCAPING CONTRACTOR SHALL EXCAVATE ALL PLANT PITS, VINE PITS, HEDGE TRENCHES AND SHRUB BEDS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

A. LOCATIONS OF ALL PROPOSED PLANT MATERIAL SHALL BE STAKED AND APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT BEFORE ANY OF THE PROPOSED PLANT MATERIAL IS INSTALLED BY THE LANDSCAPE CONTRACTOR.

B. ALL PITS SHALL BE GENERALLY CIRCULAR IN OUTLINE, VERTICAL SIDES, DEPTH SHALL NOT BE LESS THAN 6" DEEPER THAN THE ROOT BALL, DIAMETER SHALL NOT BE LESS THAN TWO TIMES THE DIAMETER OF THE ROOT BALL AS SET FORTH IN THE FOLLOWING SCHEDULE.

C. IF AREAS ARE DESIGNATED AS SHRUB BEDS OR HEDGE TRENCHES, THEY SHALL BE EXCAVATED TO AT LEAST 18" DEPTH MINIMUM. AREAS DESIGNATED FOR GROUND COVERS AND VINES SHALL BE EXCAVATED TO AT LEAST 12" IN DEPTH MINIMUM.

D. DIAMETER AND DEPTH OF TREE PITS SHALL GENERALLY BE AS FOLLOWS:

PLANT SIZE	ROOT BALL	PIT DIA.	PIT DEPTH
3" - 3.5" CAL.	32"	64"	28"
3.5" - 4" CAL.	36"	72"	32"
4" - 4.5" CAL.	40"	80"	36"
4.5" - 5" CAL.	44"	88"	40"
5" - 5.5" CAL.	48"	96"	44"
5.5" - 6" CAL.	52"	104"	48"

A 20% COMPACTION FIGURE OF THE SOIL TO BE REMOVED IS ASSUMED AND WILL BE ALLOWED IN CALCULATION OF EXTRA TOPSOIL. THE TABULATED PIT SIZES ARE FOR PURPOSES OF UNIFORM CALCULATION AND SHALL NOT OVERRIDE THE SPECIFIED DEPTHS BELOW THE BOTTOMS OF THE ROOT BALLS.

4. STAKING, GUYING AND WRAPPING

ALL PLANT MATERIAL SHALL BE STAKED OR GUYED, AND WRAPPED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

A. STAKES: SHALL BE SOUND WOOD 2" x 2" ROUGH SAWN OAK OR SIMILAR DURABLE WOODS, OR LENGTHS, MINIMUM 7'-0" FOR MAJOR TREES AND 5'-0" MINIMUM FOR MINOR TREES.

SCHEDULE-B: PARKING LOT INTERNAL LANDSCAPING	
NUMBER OF PARKING SPACES	153 + 15 (FUTURE BANK) = 166
NUMBER OF SHADE TREES REQUIRED (1 PER 20 SPACES)	8
NUMBER OF ISLANDS REQUIRED	8
NUMBER OF TREES PROVIDED	
SHADE TREES	10
OTHER TREES (2:1 SUBSTITUTION)	NONE
NUMBER OF ISLANDS PROVIDED	10
FINANCIAL SURETY FOR THE REQUIRED LANDSCAPE PER SCHEDULE B HAS BEEN POSTED IN THE AMOUNT OF \$2,400.00 IS FOR THE FOLLOWING:	
8 SHADE TREES @ \$300.00/TREE	= \$2,400.00
TOTAL SURETY	= \$2,400.00

SCHEDULE A: PERIMETER LANDSCAPE EDGE						
CATEGORY	ADJACENT TO PERIMETER PROPERTIES			ADJACENT TO ROADWAYS		
	C	D	E	B	E	B
LANDSCAPE BUFFER TYPE	C	D	E	B	E	B
LOCATION	PERIMETER #1	PERIMETER #2	PERIMETER #3	PERIMETER #4	PERIMETER #5	PERIMETER #6
LINEAR FEET OF ROADWAY FRONTAGE/ PERIMETER	343 L.F.	215 L.F.	243 L.F.	255 L.F.	45 L.F.	115 L.F.
CREDIT FOR EXISTING VEGETATION	NONE	NONE	NONE	NONE	NONE	NONE
CREDIT FOR WALL FENCE OR BERM	AT LEAST 6" GRADE CHANGE FOR 343'	NONE	NONE	NONE	NONE	NONE
NUMBER OF PLANTS REQUIRED						
SHADE TREES	4	1	6	5	2	2
EVERGREEN TREES	17	2	0	6	0	3
SHRUBS	0	0	61	0	24	0
NUMBER OF PLANTS PROVIDED						
SHADE TREES	10	1	6	1	2	2
EVERGREEN TREES	20	2	0	3	0	3
OTHER TREES (2:1 sub)	0	0	0	0	0	0
SHRUBS (0:1 sub)	0	0	61	45	24	15
SUBSTITUTIONS	NONE	NONE	NONE	*	NONE	NONE

FINANCIAL SURETY FOR THE REQUIRED LANDSCAPE PER SCHEDULE A HAS BEEN POSTED IN THE AMOUNT OF \$14,350.00 IS FOR THE FOLLOWING:

25 SHADE TREES @ \$300.00/TREE = \$7,500.00
 28 EVERGREEN TREES @ \$150.00/TREE = \$4,200.00
 83 SHRUBS @ \$30.00/SHRUB = \$2,500.00
 TOTAL SURETY = \$14,200.00

* 45 Shrubs have been substituted for 4 shade trees and 3 evergreen trees

PLANT LIST				
SYMBOL	QUANT.	SIZE	NAME (BOTANICAL/COMMON) OF PLANTS FOR SELECTION BY OWNER/BUYER	COMMENTS
A	11	2.5-3" CAL.	ACER RUBRUM / OCTOBER GLORY / OCTOBER GLORY RED MAPLE	ALL B4B
G	10	2.5-3" CAL.	Gleditsia triacanthos herms 'Imperial' / Imperial Thornless Honeylocust	
U	11	2.5-3" CAL.	Ulmus americana 'Princeton' - Princeton Elm	
PS	22	6-8' HT. MIN.	PINUS STROBUS / EASTERN WHITE PINE	B4B
NS	6	5-6' HT. MIN.	ILEX NELLIE R. STEVENS / NELLIE STEVENS HOLLY	
L9	145	ALL 24" - 30" SPREAD & HEIGHT	ILEX GLABRA 'COMPACTA' / COMPACT INKBERRY	ALL CONTAINERIZED
JN	64		JASMINUM NUDIFLORUM	

NOTE: FINANCIAL SURETY FOR THE TOTAL REQUIRED LANDSCAPING PER THE SCHEDULES WILL BE POSTED AS PART OF GRADING PERMIT ASSOCIATED WITH THIS SFP. THE LANDSCAPE SURETY IS \$16,650.00 FOR THE FOLLOWING:

85 SHRUBS @ \$30.00 EA = \$2,550.00
 28 EVERGREEN TREES @ \$150.00 EA = \$4,200.00
 33 SHADE TREES @ \$300.00 EA = \$9,900.00

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Howard K. Ayle Director Date 8/16/07

Kurt Schaefer Chief, Division of Land Development Date 8/16/07

Michael... Chief, Development Engineering Division Date 8/16/07

Professional Certificate of the State of Maryland

Michael... Professional Engineer License No. 14493 Expiration Date May 21, 2008.

GLWGUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS

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DATE	REVISION	BY	APPR.

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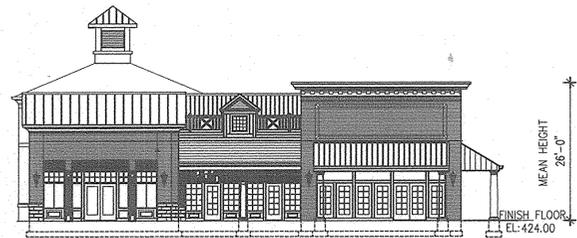
LANDSCAPE DETAILS AND NOTES

SHIPLEY'S GRANT

PARCEL 'A'
 PN 19232

ELECTION DISTRICT No. 1

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	B-1	06053
DATE	TAX MAP - GRID	SHEET
JULY, 2007	37 - 1 & 2	9 OF 10



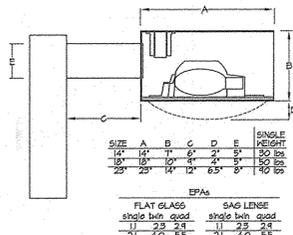
2 EAST SIDE ELEVATION
BUILDING B

BUILDING 'B' ELEVATIONS SCALE: NTS

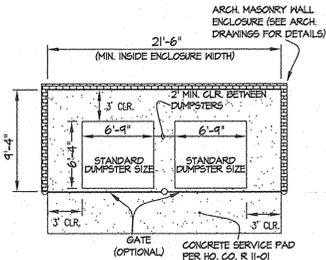


1 WEST SIDE ELEVATION
BUILDING 'A'

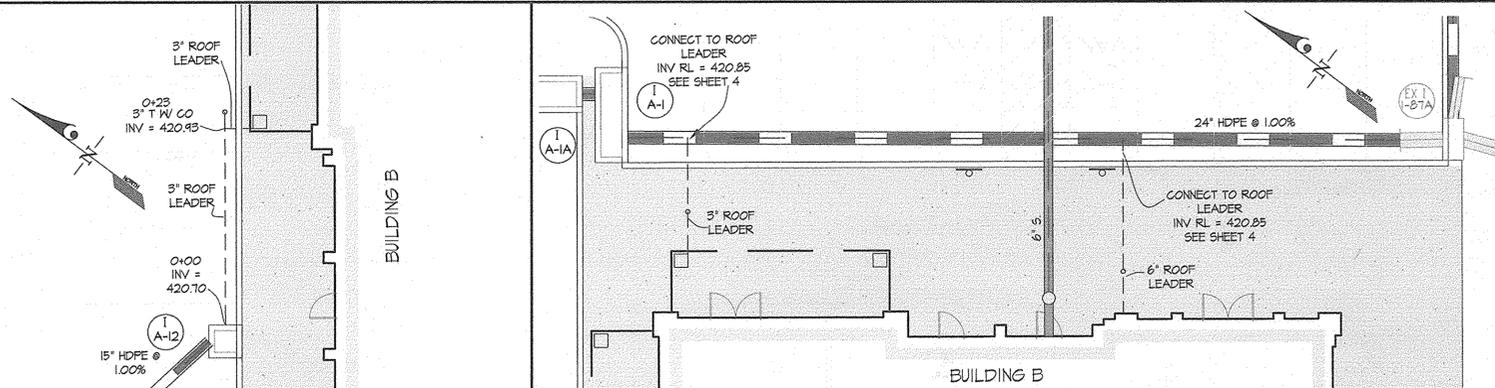
BUILDING 'A' ELEVATIONS SCALE: NTS



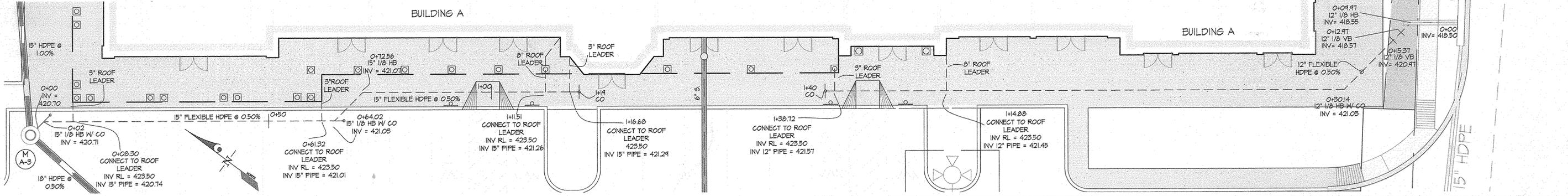
Symbol	Description	Quantity
■-○	TWIN TYPE III, WITH HORIZONTAL 400 WATT HIGH PRESSURE SODIUM LAMP ON A 50 FOOT ROUND TAPERED STEEL POLE (BROWN) ECOLINE ECA-182-3H-400HPS-BRP OR APPROVED EQUAL.	1
■-○	SINGLE TYPE III, WITH HORIZONTAL 400 WATT HIGH PRESSURE SODIUM LAMP ON A 50 FOOT ROUND TAPERED STEEL POLE (BROWN) ECOLINE ECA-181-3H-400HPS-BRP OR APPROVED EQUAL.	1
■-■	EMCO ECA-234-3H-1000M1-480V-50/PIT-3-EC23-DM4010-50/KW1 R15P50-11.0-TWC-3-50	0



SOLID WASTE DOUBLE CONTAINER PAD AREA NO SCALE

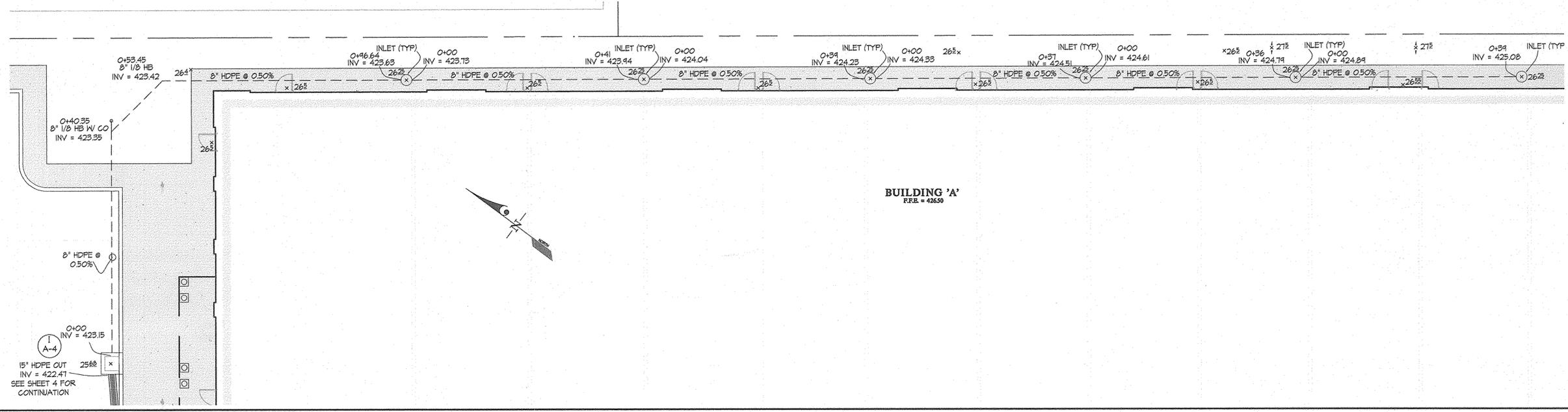


BUILDING B



BUILDING A

BUILDING A



BUILDING 'A'
R.R. = 426.50

ROOF LEADER CONNECTION DETAILS SCALE: 1"=10'

NOTE: ALL INLETS TO BE NYLOPLAST DRAIN BASINS W/ 12" PEDESTRIAN H-10 GRATE



Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14451 Expiration Date May 21, 2008.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *[Signature]* Date: 8/1/07
 Chief, Division of Land Development: *[Signature]* Date: 8/2/07
 Chief, Development Engineering Division: *[Signature]* Date: 8/2/07

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BUILDING ELEVATIONS & ROOF LEADER DETAILS
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SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	B-1	06053
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Drawings\03006\06053\sdp\03006_sdp-0607.dwg DES. DDS DRN. BJM CHK. MJT

DATE	REVISION	BY	APPR.

ELECTION DISTRICT No. 1

HOWARD COUNTY, MARYLAND