ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MISHA

. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF INSPECTION AT (410) 313-1880 AT LEAST FIVE (5)

. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.

LEAST FIVE WORKING DAYS PRIOR TO STARTING ANY EXCAVATION WORK. PROJECT BACKGROUND:

LOCATION: SEE VICINITY MAP IN THE UPPER RIGHT HAND CORNER OF THIS SHEET

ELECTION DISTRICT: ZONING: R-A-15 PER THE FEBRUARY 4, 2004 COMPREHENSIVE ZONING

AREA OF BUILDABLE LOT FOR THIS SITE DEVELOPMENT PLAN: 1.86 AC. OR 81,2315F

5.04-09 (APPROVED 2/15/05), WP 04-105, F.06-019. WP 06-045 ZRA-65, F.07-001, P-06-001, F-07-043, F.07-054, P.07-017,

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

8. EXISTING TOPOGRAPHY WAS DERIVED FROM THE APPROVED PLANS FOR CONSTRUCTION UNDER F-10-048 AND AERIAL TOPOGRAPHY BY MCKENZIE SNYDER

IO. THIS SUBDIVISION IS SUBJECT TO SECTION IB.122B OF THE HOWARD COUNTY CODE. PUBLIC WATER SERVICE HAS BEEN GRANTED UNDER THE TERMS AND PROVISIONS THEREOF EFFECTIVE 27/13/2013 ON WHICH DATE DEVELOPER AGREEMENT #44-4740-D WAS FILED AND ACCEPTED. SEWER IS PRIVATE PER

TO PROVIDE WOV, CPV, I-YR ATTENUATION, AND SAFE PASSAGE OF THE IOO-YR STORM, POND 'D' IS A MD-378 HAZARD CLASS A FACILITY. FACILITY 'D' WILL BE A PUBLIC FACILITY ON HOMEOWNERS ASSOCIATION OWNED PROPERTY (OPEN SPACE LOT D-1), JOINTLY MAINTAINED BY HOWARD COUNTY DEPARTMENT OF

STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II. IT WAS DETERMINED THAT THE PROJECT MET THE CRITERIA OUTLINED IN THE MDE STORMWATER MANAGEMENT REGULATIONS GUIDELINES FOR IMPLEMENTATION FOR ACCEPTANCE OF APPROVAL (F-09-088) ON 10/27/2009. THIS PLAN IS ALSO SUBJECT TO THE EXPIRATION OF THIS WAIVER UNLESS ALL STORMWATER MANAGEMENT IS CONSTRUCTED BY MAY 4, 2017

SUBMITTED AND APPROVED UNDER SKETCH PLAN S 04-09 DATED 2/15/05. JURISDICTIONAL DETERMINATION AND VERIFICATION OF DELINEATION OF WATERS OF THE U.S. BY U.S. ARMY CORPS OF ENGINEERS ON 3/28/03.

14. ALL CURB RADII ARE 5' UNLESS NOTED OTHERWISE.

15. CONTRACTOR SHALL UTILIZE PVC PIPE FOR ALL SEWER HOUSE CONNECTIONS. CONTRACTOR SHALL UTILIZE D.I.P. (CL. 52) FOR 6" WATER HOUSE

16. CONTRACTOR TO FIELD LOCATE ALL EXISTING UTILITY CONNECTIONS. SHOULD SUBSTANTIAL DISCREPANCIES ARISE, THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER BEFORE MAKING ADJUSTMENTS.

17. USE TRENCH BEDDING CLASS "C" FOR STORM DRAINS.

18. PAVED AREAS INDICATED ARE PRIVATE EXCEPT AS NOTED.

19. RECORDING REFERENCE: PLAT NO. 21322 (F 10-048), PLAT NO. 21721 & 21722 (F-11-026) & PLAT NO. **22372-22374** (F-13-**089**)

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. PROVIDE DETECTABLE WARNING SURFACE ON ALL RAMPS IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL R 4.07

24. MAINTAIN 2 % CROSS-SLOPES ON SIDEWALKS, PER STANDARD DETAILS. WHERE SIDEWALK IS ADJACENT TO BUILDING, SLOPE AWAY

25. ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL

PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE)-3' LONG. A GALVANIZED STEEL FOLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.

26. 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.

21. A FOREST STAND DELINEATION PLAN WAS SUBMITTED AND APPROVED FOR THE AREA COVERED BY THIS PLAN UNDER S 04-09 FEBRUARY 15, 2005. A FOREST CONSERVATION PLAN WAS SUBMITTED AND APPROVED FOR THE AREA COVERED BY THIS PLAN UNDER F 06-019.

28. FOREST CONSERVATION FOR THIS SITE HAS BEEN PROVIDED UNDER F-06-019 AND SUBSEQUENT PLATS F 08-117, F-09-88, F-10-060 AND F-11-026.

29. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DEVELOPER'S AGREEMENTS AS NOTED ON SHEET 10. THE SURETY IS IN THE AMOUNT OF \$10,080 THE LANDSCAPE PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION

16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL

30. 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. NO OUTDOOR PARKING LOT LIGHTING IS PROPOSED.

31. TRASH FOR THIS SITE SHALL BE COLLECTED BY A PRIVATE REFUSE COLLECTION COMPANY

32. 100-YEAR FLOOD PLAIN PREPARED BY GUTSCHICK, LITTLE, AND WEBER, P.A WAS SUBMITTED AND APPROVED AS A PART OF F 06- 019 DATED SEPTEMBER

33. HOWARD COUNTY FIRE AND RESCUE GENERAL REQUIREMENTS A. 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

B. MAINTAIN A MINIMUM CANOPY HEIGHT OF 13 FEET, 6 INCHES FOR EMERGENCY EQUIPMENT ACCESS. NFPA-1 18.2.2.5.1.1 AMENDED IN TITLE 17 c. PROYIDE SIGNAGE ON THE BUILDING IDENTIFYING BUILDING ACCESS.

34. ALL PUBLIC ROADS SHOW WITHIN THESE PLANS ARE COUNTY ROADS.

THE OWNER THAT IT IS BEING ACCESSED. NFPA-1 18.2.2.5.1.1 AMENDED IN TITLE 17.

35. THE HOMEOWNER'S ASSOCIATION FOR PARCEL D-80 IS THE SHIPLEY'S GRANT COMMUNITY ASSOCIATION, INC. THE ARTICLES OF INCORPORATION FOR THE ASSOCIATION WERE FILED WITH THE MARYLAND STATE DEPARTMENT OF ASSESSMENTS AND TAXATION ON MAY 22, 2007 (RECEIPT NO. DII935723). THE DECLARATION OF COVENANTS, CONDITIONS, EASEMENTS AND RESTRICTIONS FOR THE ASSOCIATION ARE RECORDED IN LIBER 10779 AT FOLIO 671 AND LIBER 11765 AT FOLIO 91.

36. THE SCENIC ROADS MAP DOES NOT INDICATE ANY SCENIC ROADS WITHIN OR ADJACENT TO THE PROJECT LIMITS.

37. BAY WINDOWS, WINDOW WELLS, CHIMNEYS, HEATING OR AIR CONDITIONING UNITS, BALCONIES, ORIELS, VESTIBULES AND EXTERIOR STAIRWAYS IF NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NO MORE THAN 4 FEET INTO ANY REQUIRED SETBACK AREA IN ACCORDANCE WITH SECTION 128 A.I OF THE ZONING

38. NOISE STUDY BY, MYLE LABORATORIES. DATED MAY 12, 2005 AND UPDATED JULY 12, 2005

39. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING, AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAMS OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND THE IOO YEAR FLOODPLAIN.

40. PER A LETTER DATED APRIL 8, 2011, FROM HOWARD COUNTY HOUSING TO HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING, A MIHU AGREEMENT IS NOT REQUIRED BY HOWARD COUNTY HOUSING FOR THIS SITE DEVELOPMENT PLAN. THE 6 PROJECTED APARTMENT MIHU'S FOR PARCEL E-4 (ALONG WITH OTHER MIHU TRANSFERS FROM THE SHIPLEY'S GRANT SITE) HAVE BEEN TRANSFERRED TO THE RESIDENCES OF ELLICOTT GARDENS (SDP 07-038) BY A LETTER FROM HOWARD COUNTY HOUSING TO BENDER PROPERTY II, LLC AND BA WATERLOO TOWNHOMES, LLC DATED NOVEMBER 16, 2009. THE ONLY REMAINING MIHU OBLIGATION FOR THE SHIPLEY'S GRANT SITE IS TO PROVIDE 6 MIHU TOWNHOUSES IN PHASES V AND/OR VI OF THE PROJECT.

41. BOUNDARY INFORMATION IS FROM BOUNDARY SURVEYS BY GUTSCHICK, LITTLE, AND WEBER, P.A., DATED MAY, 2003.

42. TRAFFIC STUDY AND TRAFFIC SIGNAL WARRANT ANALYSIS BY THE TRAFFIC GROUP, DATED JAN. 26, 2004.

43. On March 16, 2010, MP-10-107, approved the waivers for the following: Section 16.116(a)(2Xi) and (ii) request to be permitted to grade within the 50 and 75 feet stream buffers as shown on the WP-10-107 exhibit/plan, subject to the following conditions in the approval letter:

Division of Land Development amblemus

The stream buffer areas cleared and graded per this waiver petition approval: A. Shall not exceed the limits shown on the MP-10-107 exhibit/plan, and; B. Shall be afforested in accordance with the F-06-019 forest conservation plan.

A. Per the attached DED comment #1 dated 03/02/10, which states "The area being graded shall be protected by vegetative cover and ifforested once the construction of Maple Hill Road and the pad site located on Parcel D-80, as shown in the exhibit accompanying this walver equest, is complete. The stabilization of these areas shall be done prior to applying for building permits.

ADDRESS CHART⚠

HIDDEN MEADOW

BUILDING A

A-1

Ã-3

A-4

A-5

A-7

A-8

A-9

A--12

B-2

B-3

B-4

B-5

B-6

8-7

8-8

B--9

B-10

STREET ADDRESS

6020 HIDDEN MEADOW

6020 HIDDEN-MEADOW

6020 HIDDEN MEADOW

6010 HIDDEN MEADOW

Building B

B. To provide SSF or TPF along the LOD where it is located within the stream buffers.

GLWGUTSCHICK LITTLE &WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS

\CADD\DRAWNGS\03006\Phose VI\Condo SDP\SDP\09002-CS.dwg | DES. dds | DRN. dds | CHK.

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 3.2016 Number of Unito revined 1 gt dda

SITE DEWELOPMENT PLAN SHIPLEY'S GRANT

PHASE VI, PARCEL D-80 MULTI-FAMILY APARTMENT/ CONDOMINIUM DWELLING UNITS

> -CHARLES CROSSING OPEN SPACE LOT C-212 MAY **GRAPHIC SCALE**

44. On June 62016, WF 16-138, Approved the Waivers for the Following: SECTION 16.156(0)(1)(1) Within one year of signature Approval of the site Development Plan original, the Developer Shall apply to the Department of Inspectiona, Licensea and Permits for Building Permits to initiate construction on the Site section 16.156(0)(1)(11) For a Single Family attached, apartment and non-residential Developments involving multiple buildings or staged construction, the Developer Shatl apply for Building Permits for all construction authorized by the Approved Site Development Plan within two years of Signature Approval. Section 16.156(0)(2) if the Developer does not apply for Building Permits as required by Paragraph (1) of this subsection, the site Development Plan shall expire and a New Site Development Plan submission will be required. Approval 3. A Redline revision to SDP-12-045 18 Submitted to DPZ to add this Waiver (WP-16-138) as a issubject to the following Conditiona:

Building Permits to initiate construction on the Site, or Submission of a New Site Development Plan Within One year from the date of the Woiver approval (On or before)

2. The Developershall apply to the Department of Inapectiona, Licenseen and Permita for Building Permits for all Units Approved on 5012-12-045 Within two years from the date of this Waiver Approval (On Or before June 10,2018).

PROFESSIONAL CERTIFICATION

HEREBY CERTIFY THAT THESE PLANS

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, 2014

WERE PREPARED OR APPROVED BY

PREPARED FOR:

BA Waterloo Townhomes, LLC

c/o Bozzuto Homes, Inc.

7850 Walker Drive, Suite 400

Greenbelt, MD 20770

CONTACT: Duncan Slidell

→ 301−623−1525

<u>LOT DEVELOPMENT DATA 🗥</u>

B. PROPOSED USE OF SITE: 30 MUTLI-FAMILY DWELLING UNITS (APARTMENT) . PUBLIC WATER AND PRIVATE SEWER TO BE UTILIZED (CONTR. NO. 44-4740-D). D. PARKING REQUIRED PER ZONING AND DMV III (table 2.II): (2 spaces/unit + 0.3 spaces/unit) x > 0 units = 60 + 9 = 69 SPACES

PARKING PROVIDED: 78 total on-site spaces, 4 handicapped parking spaces DEVELOPMENT PLANS. (F-07-043, F-07-059, SDP-07-047, SDP-07-048, F-08-006, F-09-088, F-IO-048, SDP-IO-082, SDP-IO-087, F-II-026,

A. AREA OF THIS PARCEL: 1.86± AC. (PLAT No. 22373-22374 AREA OF DISTURBANCE BY THIS SDP: 1.85± ACRES DEVELOPMENT TYPE

PRINCIPAL STRUCTURES ACCESSORY STRUCTURES

4. STRUCTURE SETBACKS PER SECTION 112.D.4.a. A. FROM ARTERIAL OR COLLECTOR PUBLIC STREET RIGHT-OF-WAY (A) FRONT OR SIDE . (2) USES (OTHER THAN STRUCTURES) IN ALL DEVELOPMENT PROJECTS EXCEPT

B. FROM ANY OTHER PUBLIC STREET RIGHT-OF-WAY (A) FRONT OR SIDE (2) USES (OTHER THAN STRUCTURES), EXCLUDING USES IN SINGLE-FAMILY DETACHED DEVELOPMENT PROJECTS AND PARKING FOR SINGLE-FAMILY

C. FROM VICINAL PROPERTIES - IN ALL DEVELOPMENT PROJECTS EXCEPT SINGLE-FAMILY DETACHED (1) FROM AN RC, RR, R-20 OR R-12 DISTRICT (A) SINGLE-FAMILY ATTACHED OR APARTMENT DWELLINGS ... 2) FROM AN R-ED OR R-SC DISTRICT OR A SINGLE-FAMILY LAND USE AREA OF A NT, PGCC

(A) SINGLE-FAMILY ATTACHED DWELLINGS 100 FEET B) APARTMENT DWELLINGS . (C) OTHER STRUCTURES OR USES 3) FROM ANY OTHER ZONING DISTRICT OR, IF LAND ADJACENT TO PROJECT IS ZONED R-A-I5, (A) SINGLE-FAMILY ATTACHED OR APARTMENT DWELLINGS

BETWEEN APARTMENT BUILDINGS, THE MINIMUM SETBACK DISTANCES SHALL BE 30' FRONT TO FRONT, 60' BACK TO BACK, 100' FRONT TO BACK, 30' FOR FACE TO SIDE/REAR TO SIDE AND 15' FOR ALL

COVER SHEET

SHIPEY'S GRANT

PHASE VI, PARCEL D-80

MULTI-FAMILY APARTMENT/CONDOMINIUM DWELLING UNITS

PLAT NO.: 22373-22374

B. SECTION 128 A.I HAS BEEN APPLIED TO THIS SITE.

SHEET INDEX

1. COVER SHEET

2. SITE DEVELOPMENT PLAN

3. SITE PLAN DETAILS

4. SITE PLAN DETAILS

5. SEDIMENT CONTROL PLAN

6. SEDIMENT CONTROL NOTES and DETAILS

T. STORM DRAIN DRAINAGE AREA MAP

9. LANDSCAPE PLAN

8. UTILITY PROFILES

ECTION DISTRICT No. 1

10. LANDSCAPE SCHEDULES, NOTES, DETAILS and PLANT LIST

General Notewith the Approval and Conditions:

1. The Developer shall apply to the Department of Inspections, Licenses and Bermiter for 4. Acopy of the Waiver Petition Letter Approving the extension of the Permit deadline Should be presented to the Department of Inspections, Licenses and Permits at the time that the Building Permit Application is Submitted.

YM,	FALLS BY HEAD BRAIN OF THE PARTY OF THE PART
loward County Control Stations 31GA ELEV. = 511.65 STANDARD DISC ON CONCRETE MONUMENT N 564,925.75, E 1,367,067.65	STA 3IGA PAR. D-80 PAR. D-80 PAR. D-80
37A4 ELEV. = 437.28 STANDARD DISC ON CONCRETE MONUMENT N 563,835.91, E 1,367,971.65	PARTNERSHIP EN PARTNE
	VICINITY MAP

SCALE: 1'' = 2,000'

ADC MAP PAGE: 4396 GRID C-6

PROPOSED SPOT ELEVATION MATCH EXISTING PROPOSED STORM

I - INLET EXISTING SANITARY SEWER

PROPOSED SANITARY SEWER (PRIVATE)

---- WHC (PRIVATE) FIRE HYDRANT (PUBLIC)

EXISTING CURB & GUTTER CURB TAPER CONCRETE CURB & GUTTER (DET. 1/3) ----FACE OF CURB

> BACK OF CURB CONCRETE SIDEWALK PER HO. CO. DET. R-3.05

NUMBER OF PARKING SPACES HANDICAPPED PARKING DESIGNATION

EXISTING LIGHT FIXTURE & POLE PROPOSED LIGHT FIXTURES & POLE ELECTRICAL TRANSFORMER

BUILDING INGRESS/EGRESS PROPOSED BUILDING FFE = FINISHED FLOOR ELEVATION

ON-SITE AFFORESTATION AREA PER F-06-019

FLOODPLAIN FOREST RETENTION PER F-06-019 (NO CREDIT FOR RETENTION)

NET TRACT FOREST RETENTION PER F-06-019 AFFORESTATION AREA IN THE FLOODPLAIN PER F-06-019

> NATURAL FOREST REGENERATION AREA AND FOREST REMOVAL AREA IN THE FLOODPLAIN PER F-06-019

PERMIT INFORMATION CHART PARCEL SECTIONAREA SHIPLEY'S GRANT PHASE VI PARCEL 4 ELEC. DIST. CENSUS TRACT BLOCK

TAX MAP 6011.02 R-A-15 २२७७<u>७-२२</u>७७४ 1 \$ 2 SEWER CODE: 2780000 WATER CODE: DOT

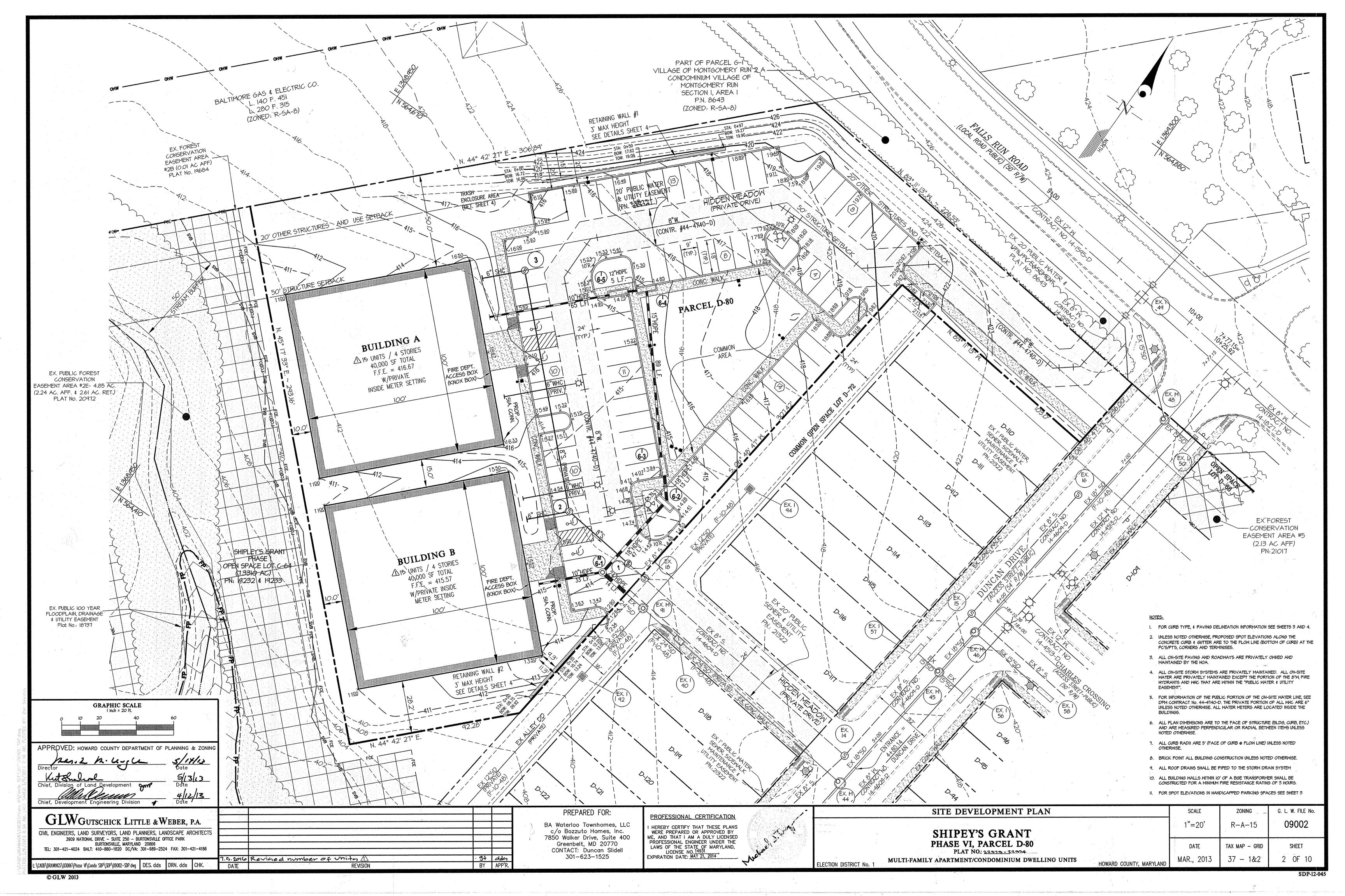
HOWARD COUNTY, MARYLAND

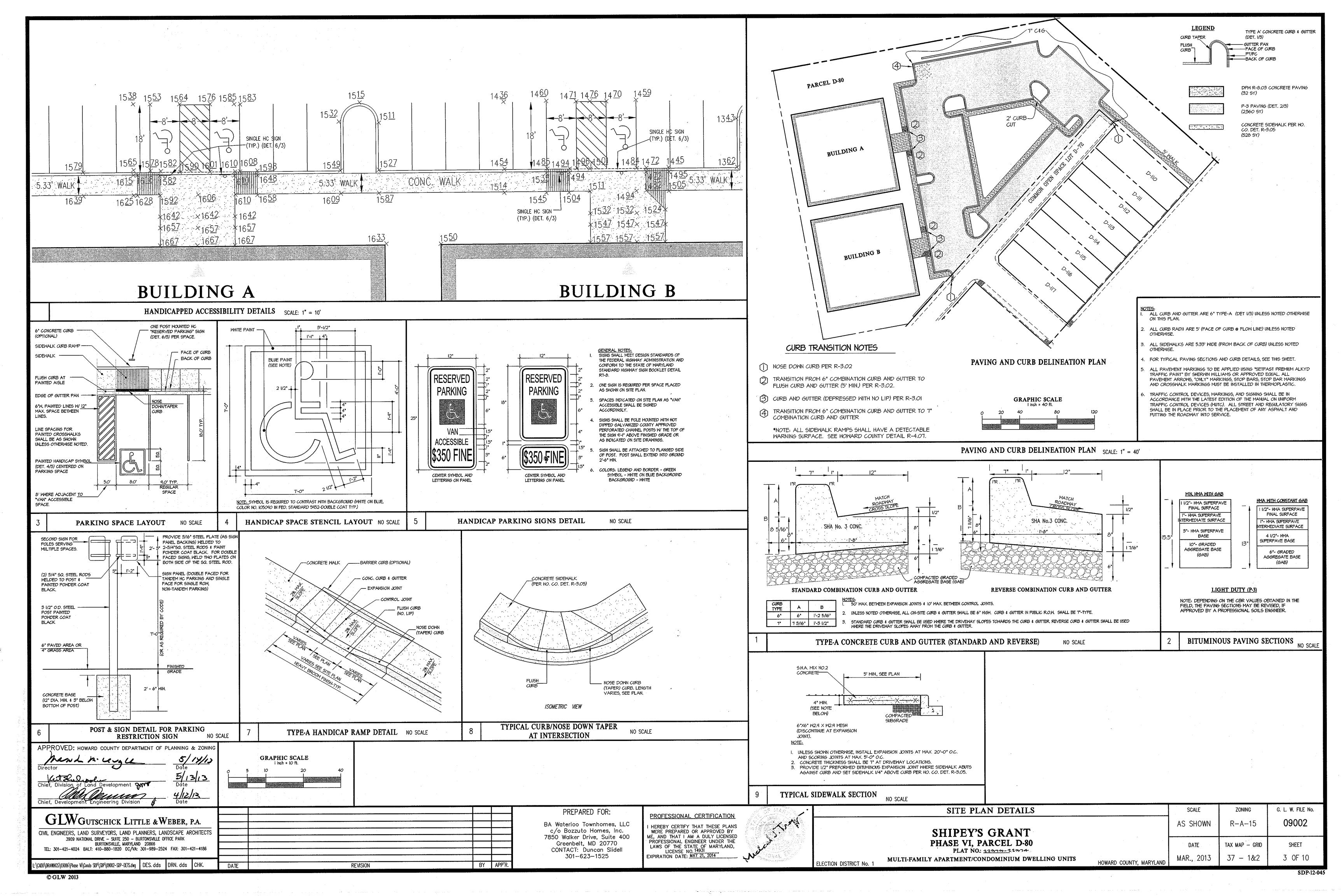
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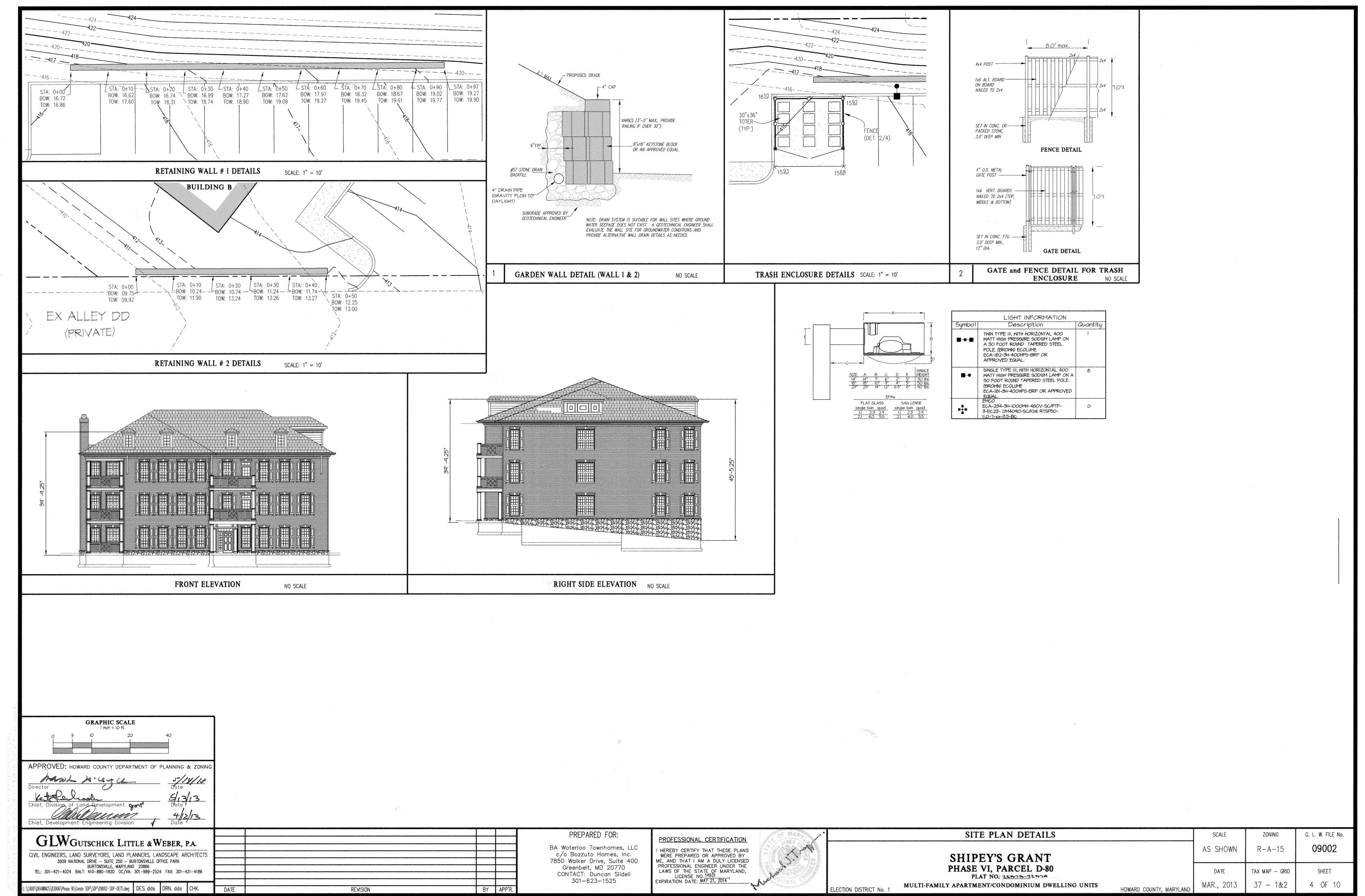
G. L. W. FILE No. 09002 AS SHOWN R - A - 15TAX MAP - GRID 37 - 1&2

© GLW 2013

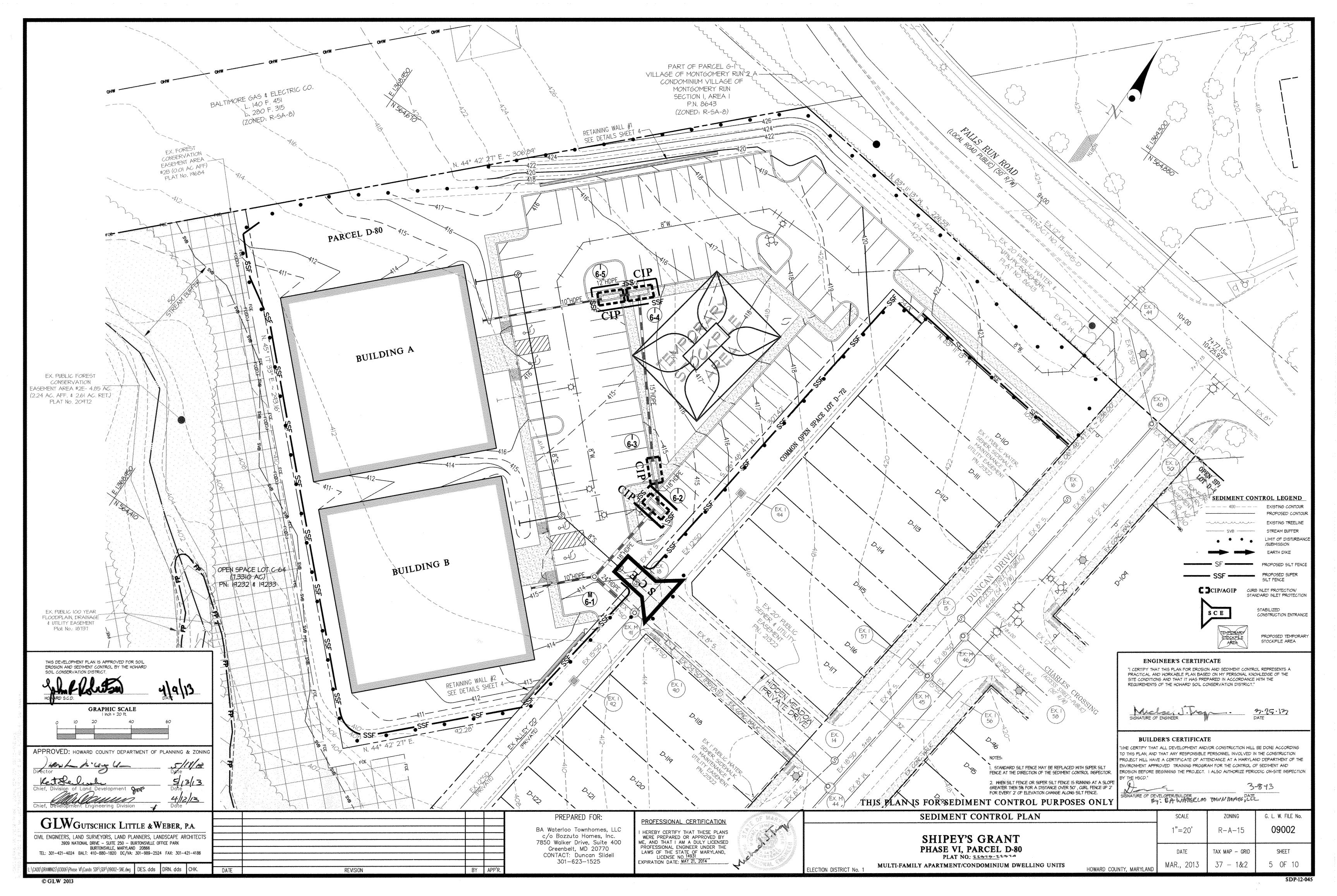
SHEET







© GLW 2013



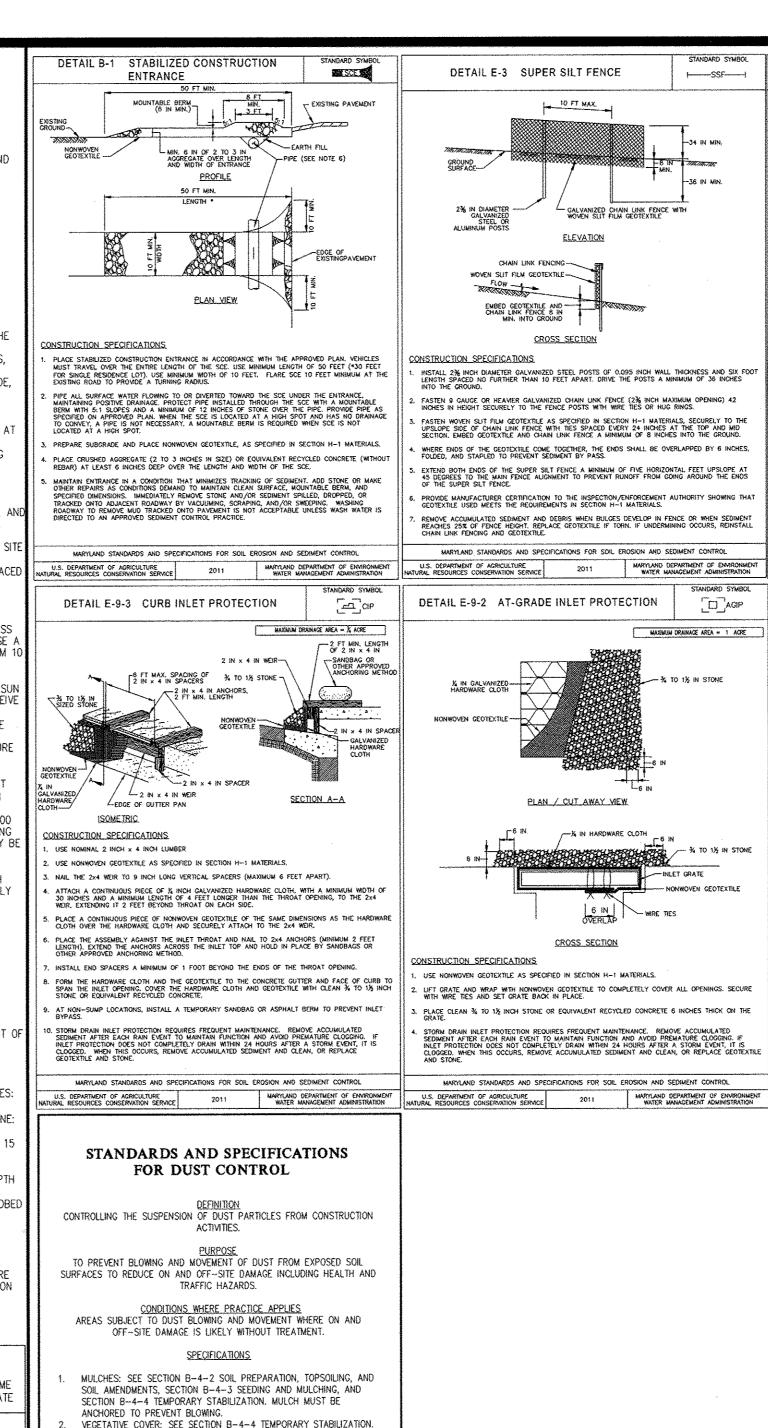
. SOIL PREPARATION TEMPORARY STABILIZATION RUNNING PARALLEL TO THE CONTOUR OF THE SLOP APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS. OTHER SUITABLE MEANS. PERMANENT STABILIZATION I. SOIL PH BETWEEN 6.0 AND 7.0. II. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM). THE ABOVE CONDITIONS. THE RESULTS OF A SOIL TEST BE UNNECESSARY ON NEWLY DISTURBED AREAS. USED IN LIEU OF NATURAL TOPSOIL. TOPSOIL APPLICATION FORMATION OF DEPRESSIONS OR WATER POCKETS. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS) USED FOR CHEMICAL ANALYSES WARRANTY OF THE PRODUCER. PRIOR TO THE PLACEMENT OF TOPSOIL GLWGUTSCHICK LITTLE & WEBER, P.A.



TURE OF DEVELOPER/BUILDER TEMPSAGE, LL DATE

REVISION

BY APP'R.



SEDIMENT AND EROSION CONTROL SEQUENCE OF CONSTRUCTION

DETAIL E-1 SILT FENCE

USE WOOD POSTS 1% X 1% ± 1% INCH (MINIMUM) SQUARE CUT OF SQUIND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NO LESS THAN 1 POLIND PR LINFAR FOOT

USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APA

USE WOVEN SUIT FILM GEOTEXTRE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTRE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.

EMBED CECTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND, BACKFILL AND COMPACTHE SOIL ON BOTH SIDES OF FABRIC.

. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.

REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE.

PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE RISPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.

WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.

-----SF-----

DETAIL E-1 SILT FENCE

ELEVATION

CROSS SECTION

JOINING TWO ADJACENT SIL

FENCE SECTIONS (TOP VIEW

FENCE POST 18 IN MIN. -- ABOVE GROUND

CROUND

CENTER TO CENTER

WOVEN SLIT FILM----GEOTEXTILE

-----SF-----

- I. OBTAIN GRADING PERMIT AND ARRANGE PRE-CONSTRUCTION MEETING WITH SEDIMENT CONTROL INSPECTOR. (I DAY).
- 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE (SCE), SILT FENCE (SF), AND SUPER SILT FENCE (SSF). (5 DAYS)
- 3. INSTALL STORM DRAIN FROM EX. M-90 TO 1 6-5 (5 DAYS)
- 4. INSTALL INLET PROTECTION (CIP) (2 DAYS)
- 5. GRADE SITE AND INSTALL RETAINING WALLS ! & 2. (90 DAYS)
- 6. BEGIN CONSTRUCTION OF BUILDING AND INSTALL REMAINING UTILITIES.
- (90 DAYS)
- 7. INSTALL CURB & GUTTER, SIDEWALK, AND BASE PAVEMENT. (90 DAYS)
- 8. STABILIZE REMAINING AREAS WITH GRASS SEED AND MULCH, (15
- 4 FINISH BUILDING CONSTRUCTION REMOVE ALL REMAINING SEDIMENT CONTROLS AND STABILIZE WITH GRASS SEED AND MULCH. INSTALL LANDSCAPING AND SURFACE PAVING.

THIS PLAN IS FOR SEDIMENT CONTROL PURPOSES ONLY G. L. W. FILE No. SEDIMENT CONTROL DETAILS ZONING 09002 R - A - 15AS SHOWN SHIPEY'S GRANT PHASE VI. PARCEL D-80 TAX MAP - GRID SHEET PLAT NO: 22373-22374 MAR., 2013 6 OF 10 37 - 1&2 MULTI-FAMILY APARTMENT/CONDOMINIUM DWELLING UNITS HOWARD COUNTY, MARYLAND LECTION DISTRICT No. 1

PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE PLANS 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, 2014

LEAF MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS, MAINTAIN A GRASS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED.

PREPARED FOR:

BA Waterloo Townhomes, LLC

c/o Bozzuto Homes, Inc.

7850 Walker Drive, Suite 400

Greenbelt, MD 20770

CONTACT: Duncan Slidell

301-623-1525

ILLAGE: TILL TO ROUGHEN SURFACE AND BRING CLODS TO THE

HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT THAT

PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED

IRRIGATION: SPRINKLE SITE WITH WATER UNTIL THE SURFACE IS

BARRIERS: SOLID BOARD FENCES, SILT FENCES, SNOW FENCES,

BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE

CHEMICAL TREATMENT: USE OF CHEMICAL TREATMENT REQUIRES

USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

MOIST, REPEAT AS NEEDED. THE SITE MUST NOT BE IRRIGATED TO

MAY PRODUCE THE DESIRED EFFECT.

THE POINT THAT RUNOFF OCCURS.

SURFACE, BEGIN PLOWING ON WINDWARD SIDE OF SITE, CHISEL-TYPE

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS

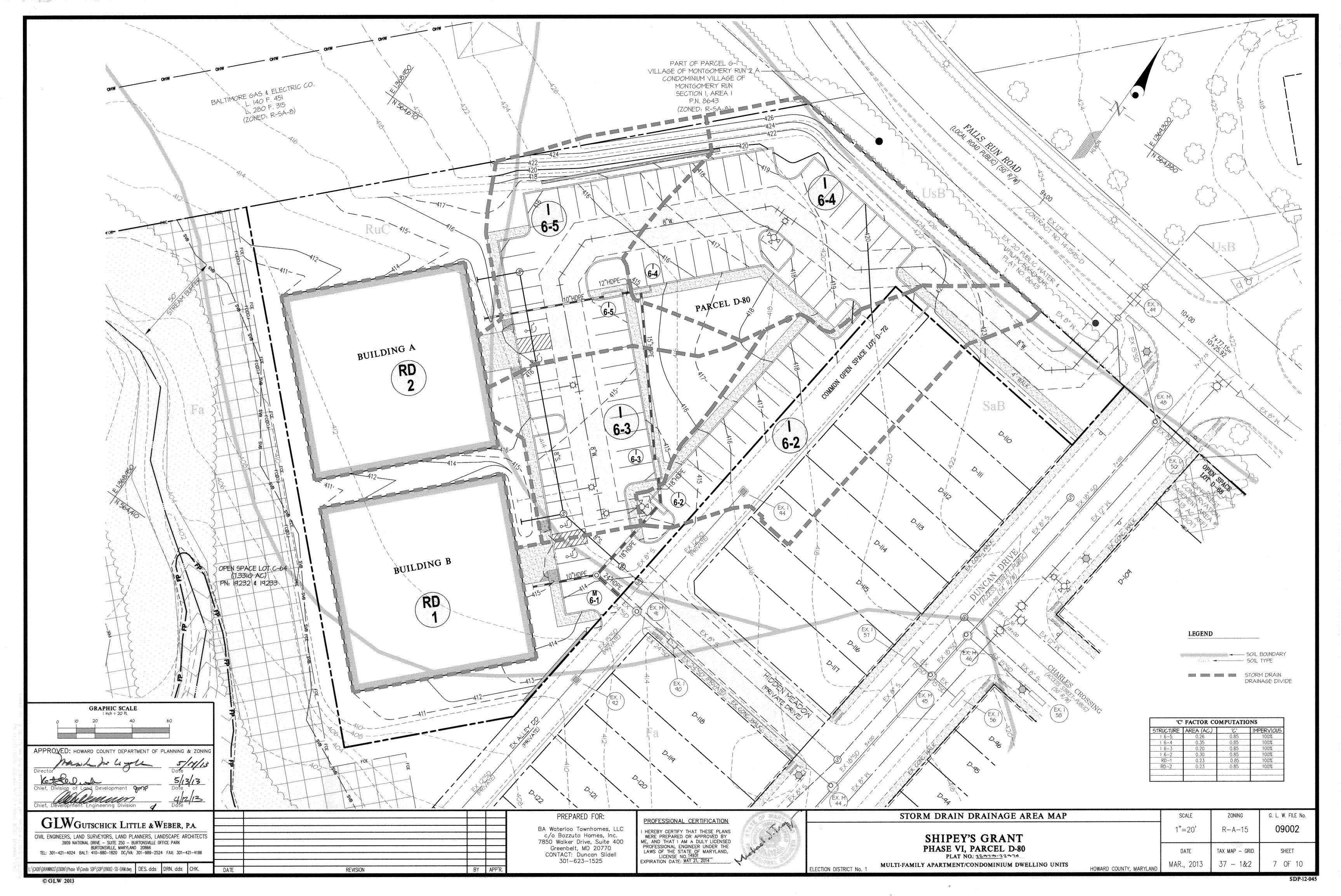
BURTONSVILLE, MARYLAND 20866

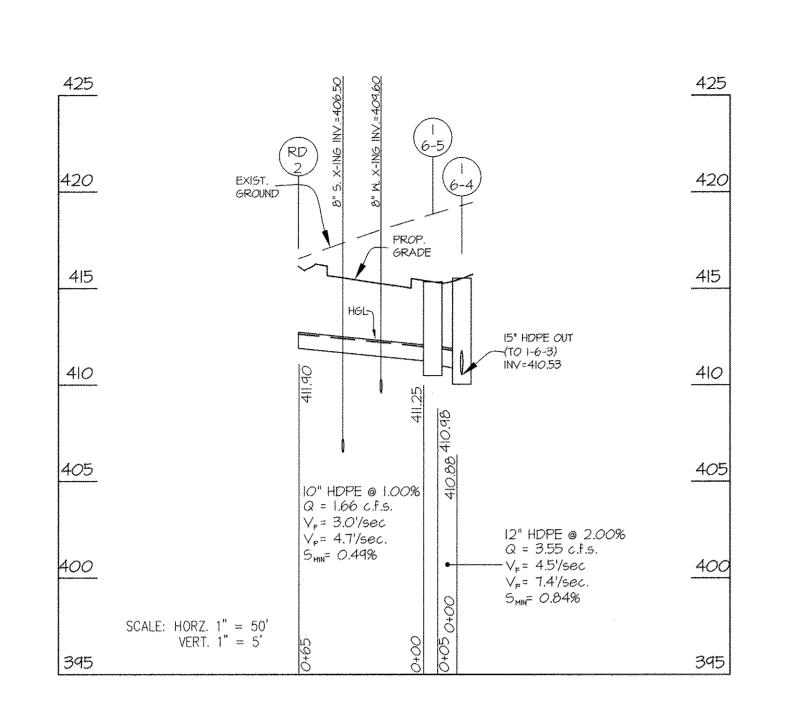
\CADD\DRAWNYGS\03006\Phose VI\Condo SDP\SDP\09002-SNE.dwg | DES. dds | DRN. dds | CHK.

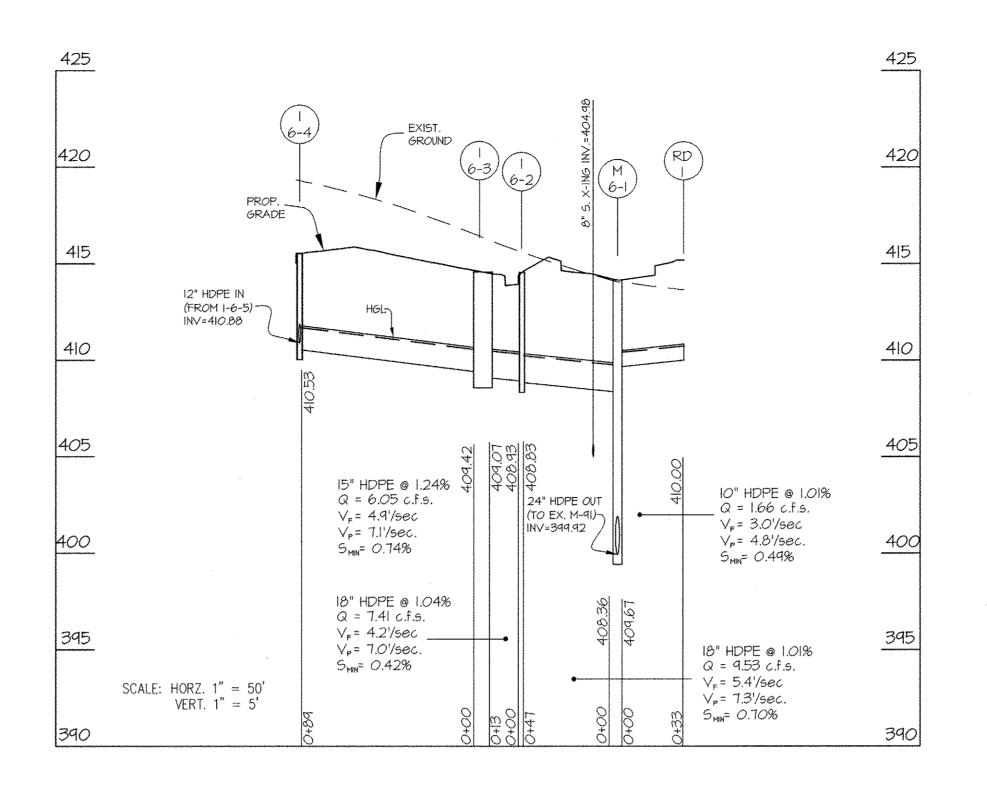
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

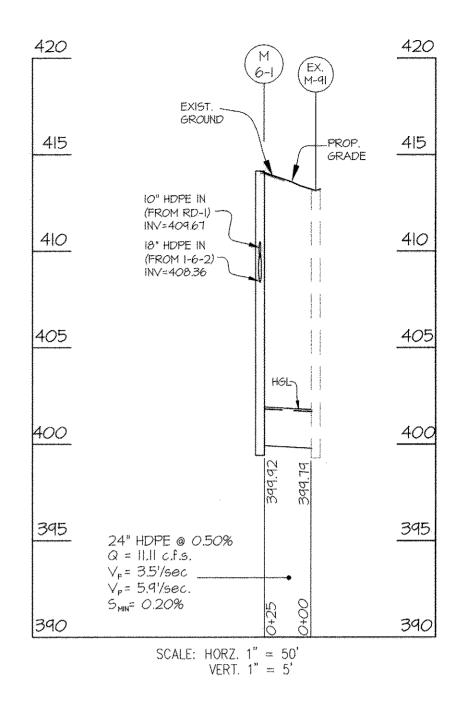
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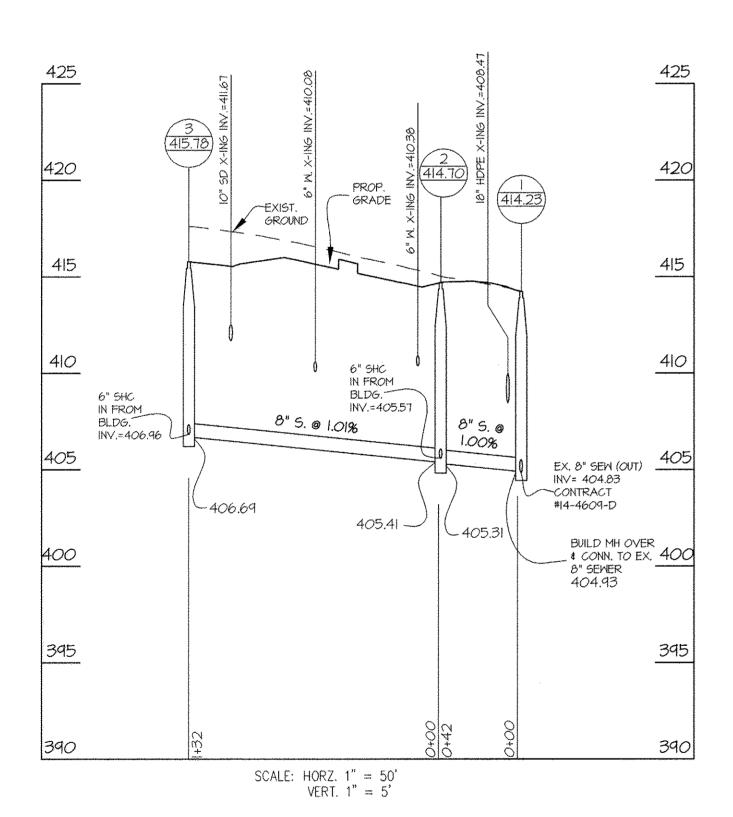
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK

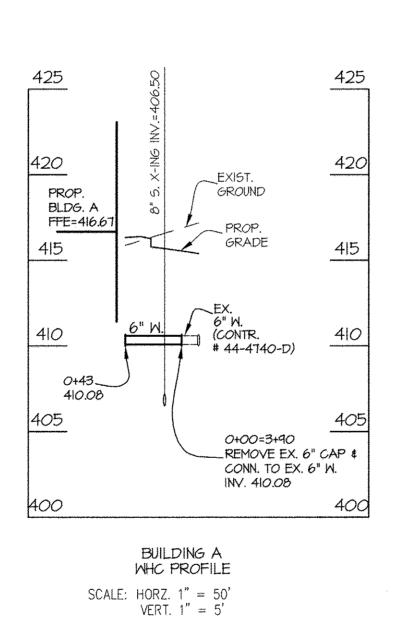


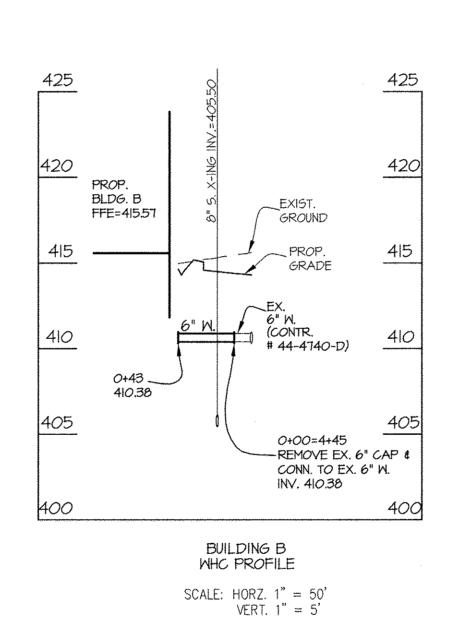












S.D. PIPE SUMMARY TABLE PRIVATELY OWNED AND MAINTAINED					
SIZE (in.)	TYPE	QUANTITY (L.F.)	REMARKS		
10	HDPE	98	ADS N12 or equiv.		
12	HDPE	5	ADS N12 or equiv.		
15	HDPE	89	ADS N12 or equiv.		
18	HDPE	60	ADS N12 or equiv.		
24	HDPE	14	ADS N12 or equiv.		

S.D. STRUCTURE SCHEDULE										
	y may y Mariana	WIDTH	TOP ELI	EVATION	INVERT (LEVATION			and the second s	OWNERSHIP
NO.	TYPE	(INSIDE)	UPPER	LOWER	UPPER	LOWER	STANDARD DETAIL	NOTES	LOCATION	& MAINTENANCE
M-6-1	MANHOLE	4'-0"	414.15		409.67	399.92	HO. CO. G. 5.12		N 564523.4351 E 1369185.8632	PRIVATE
1-6-2	A-10	2-6"	414.65	414.21	408.93	408.83	HO. CO. D. 4.03	ammana mangan mangan mengan kenaran sebagai na menenan kemenyap kenaran yang pengan pengan menendak pengan men	N 564574.6542 E 1369191.9825	PRIVATE
1-6-3	A-10	3'-0"	414.62	414.44	409.42	409.07	HO. CO. D. 4.03		N 564587.3571 F 1369178.7527	PRIVATE
1-6-4	A-10	2'-6"	415.68	415.35	410.88	410.54	HO. CO. D. 4.03		N 564662.7554 E 1369116.9014	PRIVATE
1-6-5	A-10	2'-6"	415.40	415.25	411.25	410.98	HO. CO. D. 4.03		N 564649.9313 F 1369108.4287	PRIVATE

ELECTION DISTRICT No. 1

APPROVED: HOWARD COUNTY DEPARTMENT OF I	PLANNING & ZONING
manh houselle_	5-/14/13
Director	Date 5/13/13
Chief, Division of Land Development	Date 4/12/12
Chief, Development Engineering Division	Date

Chief, Development Engineering Division 🧳 Date '	
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	
L:\CADD\DRAWNGS\03006\Phase VI\Condo SDP\SDP\09002-PROFILES.dwg DES. DDS DRN. WsJ CHK. DDS	DA

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	DATE NE NE VIGION	וטו	1 11 1 11.	

PREPARED FOR:

BA Waterloo Townhomes, LLC c/o Bozzuto Homes, Inc.

7850 Walker Drive, Suite 400 Greenbelt, MD 20770 CONTACT: Duncan Slidell 301-623-1525

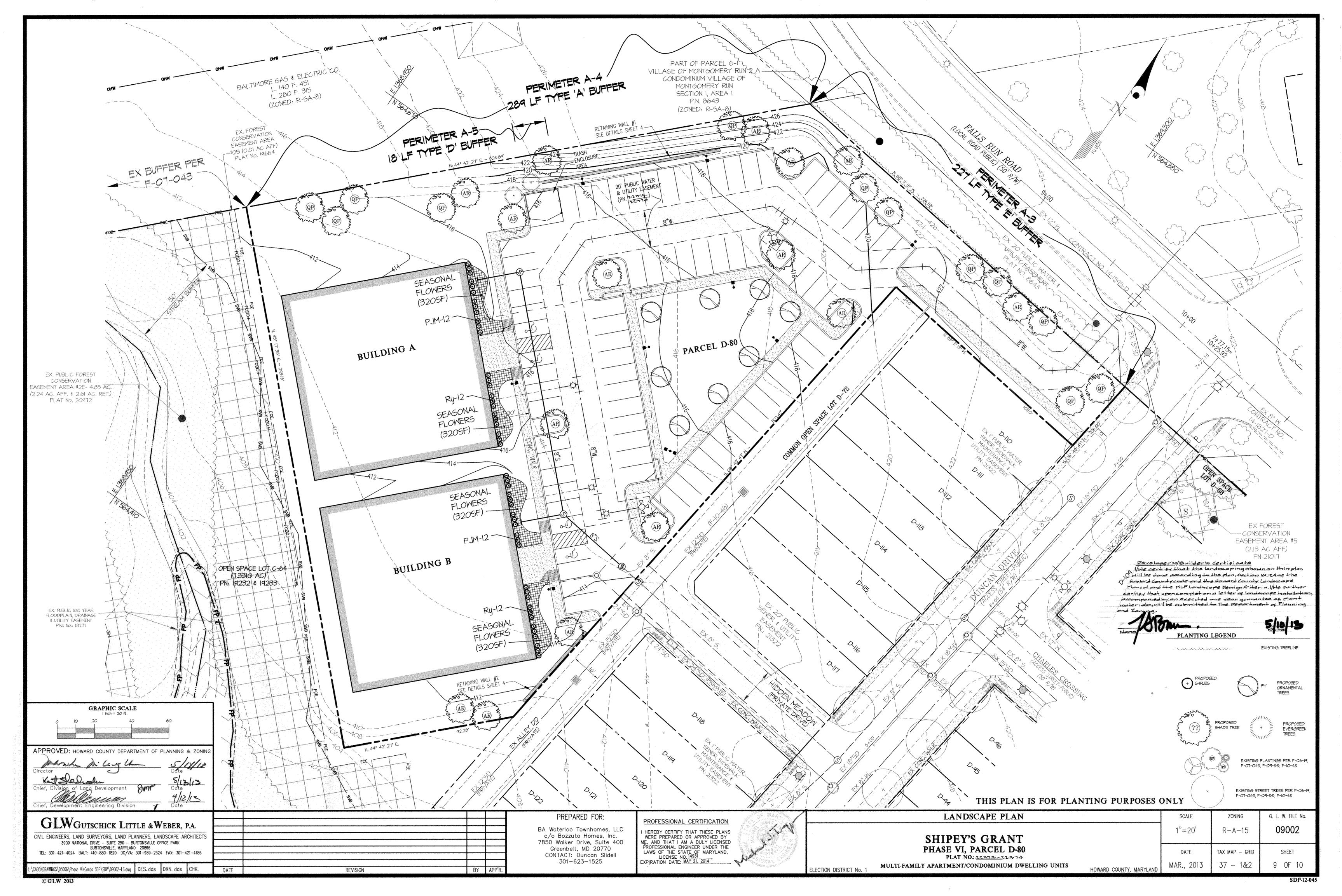
PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS 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. 1493

EXPIRATION DATE: MAY 21, 2014



UTILITY PROFILES		SCALE	ZONING	G. L. W. FILE N
SHIPEY'S GRANT		AS SHOWN	R-A-15	09002
PHASE VI, PARCEL D-80 PLAT NO. 222222222		DATE	TAX MAP — GRID	SHEET
ULTI-FAMILY APARTMENT/CONDOMINIUM DWELLING UNITS	HOWARD COUNTY, MARYLAND	MAR., 2013	37 – 1&2	8 OF 10



SPECIFICATIONS: PLANT MATERIALS AND PLANTING METHODS

- THE LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL AND/OR DIG, BALL, BURLAP AND TRANSPLANT ALL OF THE PLANT MATERIALS CALLED FOR ON DRAWINGS AND/OR LISTED IN THE PLANT
- <u>PLANT NAMES:</u>
 PLANT NAMES USED IN THE PLANT SCHEDULE SHALL CONFORM WITH "AAN" STANDARDS,
- PLANT STANDARDS:
 ALL PLANT MATERIAL SHALL BE EQUAL TO OR BETTER THAN THE REQUIREMENTS OF THE "USA 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

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.

- PLANT MEASUREMENTS:
 ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULE.
 - A. CALIPER MEASUREMENTS SHALL BE TAKEN SIX INCHES (6") ABOVE GRADE FOR TREES UP TO FOUR-INCH (4") CALIPER AND TWELVE (12") ABOVE GRADE FOR TREES GREATER THAN FOUR INCHES (4") IN CALIPER.
 - 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 12'-14' 5'-6' 28" DIAMETER 2" - 25" 4'-16' 6'-8' 32" DIAMETER 3" - 3.5" 36" DIAMETER 14'-16' 8'-10' 35"- 4" 40" DIAMETER 4" - 4.5"

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

16'-17' 10'-12' 44" DIAMETER

16'-20' 10'-12' 48" DIAMETER

18'-20' 12'-14' 52" DIAMETER

MATERIAL, TO INSPECT ALL PROPOSED PLANT MATERIAL AT THE SOURCE OF ORIGIN.

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

5" - 5.5"

5. <u>PLANT INSPECTION</u>:
THE OWNER MAY REQUEST, AT LEAST TEN (IO) DAYS PRIOR TO THE INSTALLATION OF ANY PROPOSED PLANT

B. <u>PLANTING METHODS</u>:
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

PLANTING SEASONS:
THE PLANTING OF DECIDUOUS TREES, SHRUBS AND VINES SHALL BE FROM MARCH IST TO JUNE 15TH AND FROM SEPTEMBER 15TH TO DECEMBER 15TH, PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING THE WINTER MONTHS PROVIDING THERE IS NO FROST IN THE GROUND AND FROST-FREE TOPSOIL

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

- ALL PLANT MATERIAL SHALL BE DUG, BALLED AND BURLAPPED (B&B) IN ACCORDANCE WITH THE "AAN
- 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" - 35"CAL. 3.5"- 4" CAL. 4" - 4,5"CAL, 4.5"- 5" CAL. 88" 5" - 5.5"CAL. 44* 5.5"- 6" CAL. 104"

A 20 % COMPACTION FIGURE OF THESOIL 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 4. <u>STAKING, GUYING AND WRAPPING</u>:
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 T'-O" FOR MAJOR TREES AND 5'-O" MINIMUM FOR MINOR TREES.
- B. WIRE AND CABLE: WIRE SHALL BE #10 GA. GALVANIZED OR BETHANIZED ANNEALED STEEL WIRE. FOR TREES OVER 3" CALIPER, PROVIDE 5/16" TURN BUCKLES, EYE AND EYE WITH 4" TAKE-UP. FOR TREES OVER 5" CALIPER, PROVIDE 3/16", 7 STRAND CABLE CADMIUM PLATED STEEL, WITH GALVANIZED "EYE" THIMBLES OF WIRE AND HOSE ON TREES UP TO 3" IN CALIPER.
- HOSE: SHALL BE NEW, 2 PLY REINFORCED RUBBER HOSE, MINIMUM 1/2" I.D. "PLASTIC LOCK TIES" OR "PAUL'S TREES BRACES" MAY BE USED IN PLACE OF WIRE AND HOSE ON TREES UP TO 3" IN CALIPER.
- . ALL TREES UNDER 3" IN CALIPER ARE TO BE PLANTED AND STAKED IN ACCORDANCE WITH THE ATTACHED PLANTING DETAILS.
- 5. PLANT PRUNING, EDGING AND MULCHING:
 A. EACH TREE, SHRUB OR VINE SHALL BE PRUNED IN AN APPROPRIATE MANNER TO ITS PARTICULAR REQUIREMENTS, IN ACCORDANCE WITH ACCEPTED STANDARD PRACTICE. BROKEN OR BRUISED BRANCHES SHALL BE REMOVED WITH CLEAN CUTS FLUSH WITH THE WOUND ADJACENT TRUNK OR BRANCHES. ALL CUTS OVER I" IN DIAMETER SHALL BE PAINTED WITH AN APPROVED ANTISEPTIC TREE WOUND
 - ALL TRENCHES AND SHRUB BEDS SHALL BE EDGED AND CULTIVATED TO THE LINES SHOWN ON THE DRAWING. THE AREAS AROUND ISOLATED PLANTS SHALL BE EDGED AND CULTIVATED TO THE FULL DIAMETER OF THE PIT. SOD WHICH HAS BEEN REMOVED AND STACKED SHALL BE USED TO TRIM THE EDGES OF ALL EXCAVATED AREAS TO THE NEAT LINES OF THE PLANT PIT SAUCERS, THE EDGES OF SHRUB AREAS, HEDGE TRENCHES AND VINE POCKETS,
 - AFTER CULTIVATION, ALL PLANT MATERIALS SHALL BE MULCHED WITH A 3" LAYER OF FINE, SHREDDED PINE BARK, PEAT MOSS, OR ANOTHER APPROVED MATERIAL OVER THE ENTIRE AREA OF THE BED OR SAUCER.
- <u>PLANT INSPECTION AND ACCEPTANCE</u>;
 THE DESIGN REVIEW COMMITTEE SHALL BE RESPONSIBLE FOR INSPECTING ALL PLANTING PROJECTS ON A PERIODIC BASIS TO ASSURE THAT ALL WORK IS PROCEEDING IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- 7. PLANT GUARANTEE:
 ALL PLANT MATERIAL SHALL BE GUARANTEED FOR THE DURATION OF ONE FULL GROWING SEASON, AFTER FINAL INSPECTION AND ACCEPTANCE OF THE WORK IN THE PLANTING PROJECT. PLANTS SHALL BE ALIVE AND IN SATISFACTORY GROWING CONDITION AT THE
- A. FOR THIS PURPOSE, THE "GROWING SEASON" SHALL BE THAT PERIOD BETWEEN THE END OF THE "SPRING" PLANTING SEASON, AND THE COMMENCEMENT OF THE "FALL" PLANTING SEASON.
- B. GUARANTEE FOR PLANTING PERFORMED AFTER THE SPECIFIED END OF THE "SPRING" PLANTING SEASON, SHALL BE EXTENDED THROUGH THE END OF THE NEXT FOLLOWING "SPRING" PLANTING SEASON.

ALL SODDING SHALL BE IN ACCORDANCE TO THE "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" LATEST EDITION, APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON

ALL SOD SHALL BE STRONGLY ROOTED SOD, NOT LESS THAN TWO YEARS OLD AND FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES. PROVIDE ONLY SOD CAPABLE OF GROWTH DEVELOPMENT WHEN PLANTED AND IN STRIPS NOT MORE THAN 18" WIDE X 4" LONG. PROVIDE SOD COMPOSED PRINCIPALLY OF IMPROVED STRAIN KENTUCKY BLUEGRASS, SUCH AS, COLUMBIA, VICTA, OR ESCORT.

LANDSCAPE NOTES

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE & 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 PLANT 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.N. SPECIFICATIONS. IN ADDITION, ALL REQUIRED PLANTING FOR THE LANDSCAPE ISLANDS IN THE PARKING LOT SHALL CONFORM TO THE HOWARD COUNTY LANDSCAPE MANUAL. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THIS PLAN. SEE SHEET 21 FOR PLANTING DETAILS.
- NO SUBSTITUTION SHALL BE MADE WITHOUT PRIOR APPROVAL FROM HOWARD COUNTY DPZ AND THE OWNER OR HIS REPRESENTATIVE.
- PAVED, OR MULCHED SHALL BE SODDED OR SEEDED IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATION. A MINIMUM OF 4" OF TOPSOIL SHALL BE PROVIDED TO ALL PLANTING AREAS.

ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES BUT NOT OTHERWISE PLANTED

- THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING IF HE/SHE ENCOUNTERS SOIL DRAINAGE CONDITIONS THAT MAY BE DETRIMENTAL TO THE GROWTH OF THE
- 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, SEWER AND UTILITY EASEMENT. VERIFY THE LOCATION AND DEPTH OF THE COMMUNICATION LINE(S) WITHIN THE AT&T
- R/W PRIOR TO ANY PLANTING WITHIN THIS R/W. THE CONTRACTOR SHALL CONTACT GLW FOR ANY NECESSARY RELOCATION OF PLANT MATERIALS. THE SCHEDULES ON THIS SHEET ARE PROVIDED FOR LANDSCAPE SURETY CALCULATION PURPOSES. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS

\$11,040.00 FOR THE FOLLOWING PLANTS: 2 EVERGREEN TREES AT \$150/TREE = \$ 300.00

31 SHADE TREES at \$300/TREE = \$9,300,00 48 SHRUBS AT \$30/ SHRUB

BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF

O REQUEST A LANDSCAPE INSPECTION TO OBTAIN THE RELEASE OF THE POSTED LANDSCAPE SURETY, SUBMIT A WRITTEN REQUEST OF LANDSCAPE INSPECTION, ALONG WITH A COPY OF THE ONE YEAR LANDSCAPE PLANT WARRANTY, TO THE DIVISION OF LAND DEVELOPMENT, HO. CO. DEPT. OF PLANNING AND ZONING.

THE OWNER, TENANT, AND THEIR RESPECTIVE AGENTS, IF ANY, SHALL JOINTLY AND SEVERALLY BE RESPONSIBLE FOR THE MAINTENANCE OF THE REQUIRED LANDSCAPING. ALL REQUIRED PLANTINGS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND, WHENEVER NECESSARY, REPLACED WITH COMPARABLE NEW PLANT MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS.

I. AT THE TIME OF INSTALLATION, ALL PLANTS SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPING MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.

THE OWNER TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES, AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.

SCHEDULE-A: PERIMETER LANDSCAPE EDGE CATEGORY ADJACENT TO PERIMETER PROPERTIES

BUFFER	A-3	A-4	A-5
LANDSCAPE BUFFER TYPE	TYPE E	TYPE A	TYPE D
LINEAR FEET OF ROADWAY/ PERIMETER FRONTAGE/BLDG.	221'	289'	18'
CREDIT FOR EX. VEGETATION (YES, NO; LINEAR FEET; DESCRIBE BELOW IF NEEDED)	NONE	NONE	NONE
CREDIT FOR WALL, FENCE OR BERM (YES, NO; LINEAR FEET; DESCRIBE BELOW IF NEEDED)	YES, PARKING IS MORE THAN 3' BELOW ROADWAY 22T'	NONE	NONE
NUMBER OF PLANTS REQUIRED			
SHADE TREES	6 (1:40)	5 (1:60)	1 (1:60)
EVERGREEN TREES	0	0	2 (1:10)
ORNAMENTALS	0	0	0
SHRUBS	0	, 0	0 .
NUMBER OF PLANTS PROVIDED			· · · · · · · · · · · · · · · · · · ·
SHADE TREES	6	5	
EVERGREEN TREES	0	0	2
ORNAMENTALS	0	0	0
SHRUBS	0	0	0
SUBSTITUTIONS MADE		o	0

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	BUFFER TYPE	SHADE TREES/LF	EVG. TREES/LF	SHRUBS/LI
- A	Α	1:60	Ø	0
	B	1:50	1:40	0
	č	1:40	1:20	0
	D	1:60	1:10	0

SCHEDULE-B: PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	78 COMMON SURFACE SPACES
NUMBER OF SHADE TREES REQUIRED (I PER IO RES, SPACES, I PER 20 COMMERCIAL SPACES I)	8
NUMBER OF TREES PROVIDED	8
OTHER TREES (2:1 SUBSTITUTION)	0

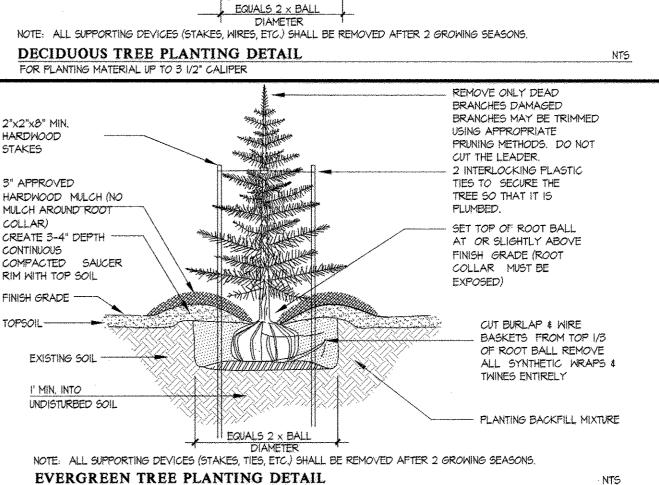
SCHEDULE C: RESIDENTIAL INTERNAL LANDSCAPING NUMBER OF DWELLING UNITS 32 (16 UNITS PER APARTMENT/CONDO BLDG.) NUMBER OF TREES REQUIRED II SHADE TREES (I PER SFA DU, I PER 3 APTS DU) NUMBER OF TREES PROVIDED 7 SHADE TREES SHADE TREES OTHER TREES (2:1 substitutions with 8 ORNAMENTAL TREES ornamental or evergreen trees) 48 SHRUBS NUMBER OF SHRUBS PROVIDED

SET ROOT BALL AT OR SLIGHTLY ABOVE FINISH GRADE, CONTAINERS TO BE DO NOT OUT CENTRAL LEADER. REMOVED PRIOR TO PLANTING, SCARIFY REMOVE ANY DEAD OR DAMAGED ROOT EDGES TO STIMULATE GROWTH. BRANCHES BY APPROPRIATE PRUNING METHODS. 3" MULCH - AS SPECIFIED -2"X2"X8" MIN. 3/8" DIA, REINFORCED BLACK HARDWOOD STAKES-RUBBER HOSE, INTERLOCKED. MOUNDED EARTH POSITION ABOVE FIRST SET OF SAUCER FOR BRANCHES TO SECURE THE TREE SO ISOLATED PLANTING 3" APPROVED HARDWOOD THAT IT IS PLUMBED SITUATION) MULCH (NO MULCH AROUND 2 STRANDS 14-GA GALV. WIRE PLANTING BACKFILL MIXTURE -ROOT COLLAR) __ TWISTED (PLASTIC TIES MAY BE USED INSTEAD OF WIRE & RUBBER SCARIFY SOIL BELOW ROOTBALL CREATE 3-4" DEPTH CONTINUOUS SET TOP OF ROOT BALL AT OR EXISTING SOIL-COMPACTED SAUCER SLIGHTLY ABOVE FINISH GRADE (NO RIM WITH TOP SOIL SHRUB PLANTING DETAIL MORE THAN 3"). FINISH GRADE CUT BURLAP & WIRE BASKETS FROM TOP 1/3 OF ROOT BALL REMOVE ALL SYNTHETIC WRAPS & TWINES TOPSOIL ENTIRELY EXISTING SOIL -PLANTING BACKFILL MIXTURE

COMPACT SOIL MIX BELOW BALL

PITCH AWAY FROM BALL TO

PERIMETER OF PLANTING PIT.



I' MIN. INTO

UNDISTURBED SOIL

PLANT LIST NAMES (BOTANICAL / SCIENTIFIC) SIZE ROOT/COMMENTS QTY. SYMBOL SHADE TREES ACER RUBRUM 'OCTOBER SUNSET 21/2-3" CAL B&B OCTOBER SUNSET MAPLE QUERCUS PALUSTRIS/ 2 1/2-3" CAL B4B PIN OAK EVERGREEN TREES B&B, INTACT LEADER NORWAY SPRUCE ORNAMENTAL TREES 2 - 2 1/2" CAL B\$B PRUNUS YEDOENSIS/ YOSHINO CHERRY

RHODENDRON X YAKU PRINCESS! CONTAINER YAKU PRINCESS RHODODENRON I PJM I PJM RHODENDENDRON/ CONTAINER 24 RHODENDENDRON AREA XXXXX 1,280 SF SEASONAL FLOWERS PER NURSERY CONTAINER RECOMMENDATION

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONIN

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

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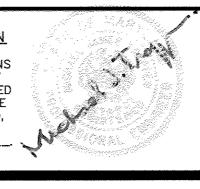
DEVELOPER'S/BULDER'S CERTIFICATE I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL AND THE MLF LANDSCAPE DESIGN CRITERIA. I/WE FURTHER CERTIFY THAT UPON COMPLETION A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

NAME BY! BA WATERLOO TOWNHOMES, LCC DATE

BY APP'R REVISION

PREPARED FOR: BA Waterloo Townhomes, LLC c/o Bozzuto Homes, Inc. 7850 Walker Drive, Suite 400 Greenbelt, MD 20770 CONTACT: Duncan Slidell 301-623-1525

PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY WE, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 14931 EXPIRATION DATE: MAY 21, 2014



THIS PLAN	IS FOR PLANTING PURPOSES ONLY				
	LANDSCAPE NOTES AND DETAILS		SCALE	ZONING	G. L. W. FILE N
	SHIPEY'S GRANT		AS SHOWN	R-A-15	09002
	PHASE VI, PARCEL D-80 PLAT NO.: 22373-22374		DATE	TAX MAP — GRID	SHEET
ELECTION DISTRICT No. 1	MULTI-FAMILY APARTMENT/CONDOMINIUM DWELLING UNITS	HOWARD COUNTY, MARYLAND	MAR., 2013	37 - 1&2	10 OF 10