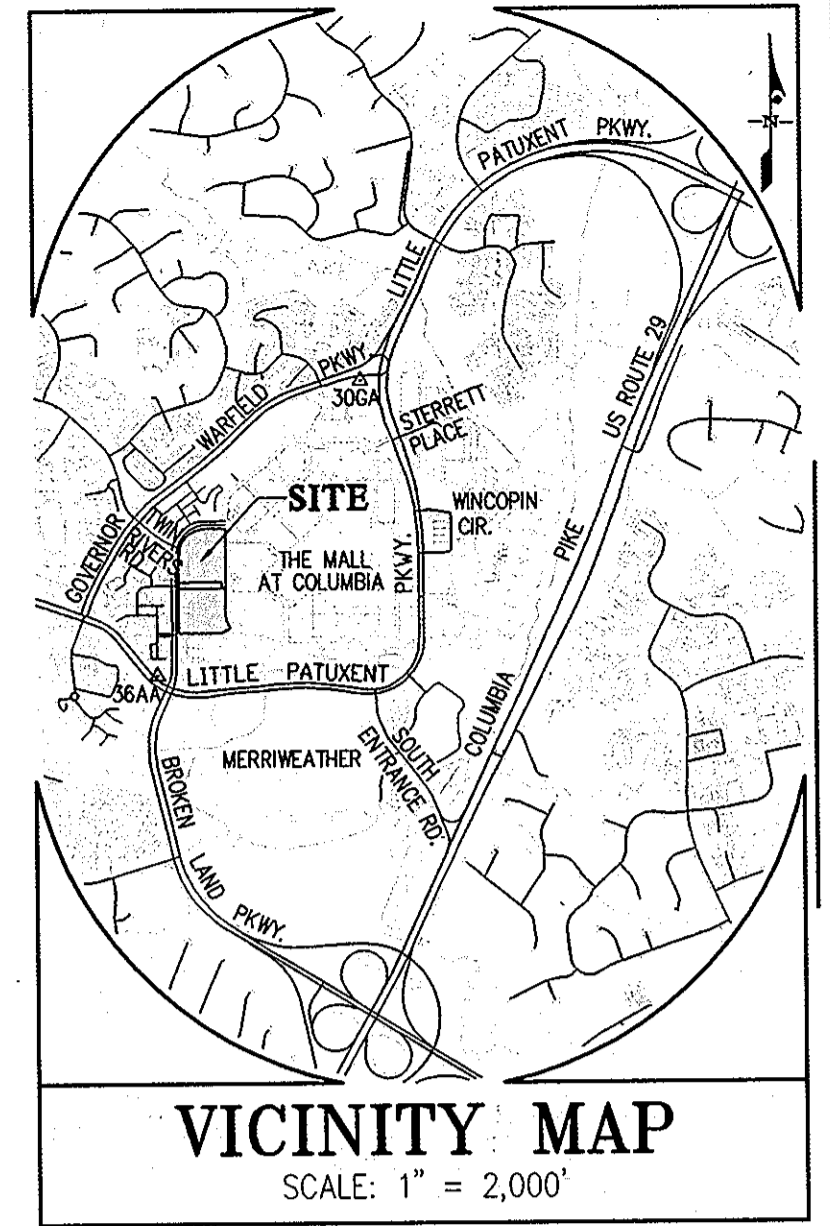


ENVIRONMENTAL CONCEPT PLAN DOWNTOWN COLUMBIA WARFIELD NEIGHBORHOOD

SECTION 2 AREA 8 PARCELS C and D SECTION 2 AREA 1 LOT 40, PART OF LOT 47 AND PART OF PARCEL E



SITE ANALYSIS

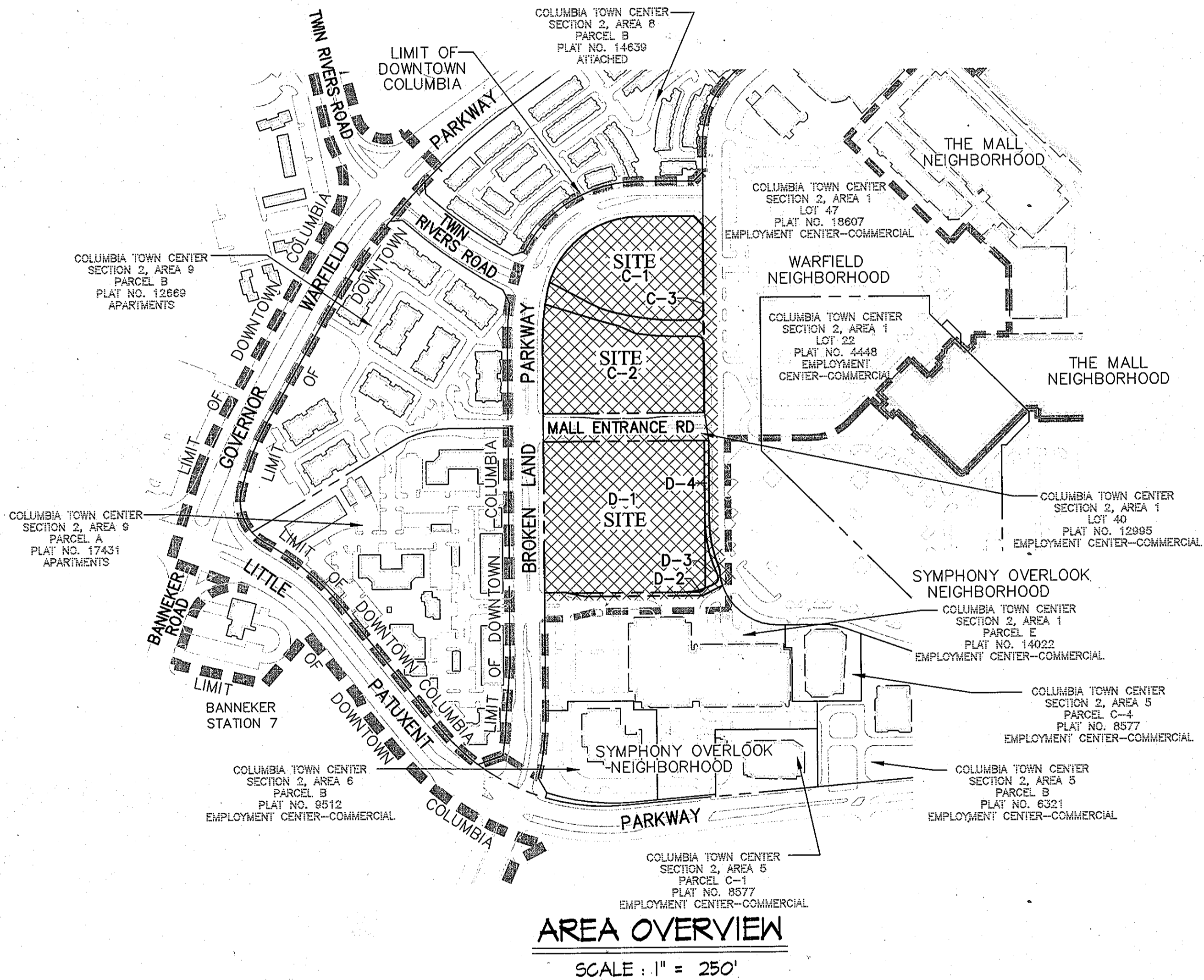
1. SITE AREA: 11.84 AC.
2. THERE ARE NO STREAMS OR WETLANDS ON THIS SITE.
3. THERE ARE NO FLOOD PLAINS ON THIS SITE.
4. THERE ARE NO FORESTS ON THIS SITE.
5. THE SLOPE 15% AND GREATER HAVE BEEN IDENTIFIED ON THE PLANS. AREA OF 15% SLOPES: 2.1 AC. THERE ARE NO STEEP SLOPES (25% OR GREATER) IN EXCESS OF 20,000 CONTIGUOUS SQUARE FEET ON THE SITE.
6. THE ERODIBLE SOILS HAVE BEEN IDENTIFIED ON THE PLANS. AREA OF ERODIBLE SOILS: 1.2 AC.
7. LIMIT OF DISTURBED AREA: 11.84 AC.
8. PROPOSED USES:
PARCEL C-1: RESIDENTIAL OVER COMMERCIAL
PARCEL C-2: RESIDENTIAL OVER COMMERCIAL
PARCEL D-4: RESIDENTIAL OVER COMMERCIAL
9. PROPOSED PERVIOUS AREA: 1.21 AC.
10. PROPOSED IMPERVIOUS AREA: 10.63 AC.
11. PROPOSED NET PROMENADE PAVED AREA (PART OF PERVIOUS AREA INDICATED ABOVE): 0.26 AC.
12. COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN AND SITE DEVELOPMENT PLAN STAGES. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
13. THE ENVIRONMENTAL CONCEPT PLANS FOR STORMWATER MANAGEMENT PURPOSES ONLY. APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION AND/OR SITE DEVELOPMENT PLAN.
14. THIS SITE IS NOT SUBJECT TO HOWARD COUNTY FOREST CONSERVATION REQUIREMENTS SINCE IT IS IN THE NT ZONING DISTRICT AND QUALIFIES FOR EXEMPTION 16.10(2)(b)(i)(ii). A PLANNED UNIT DEVELOPMENT WHICH HAS PRELIMINARY DEVELOPMENT PLAN APPROVAL AND 50% OR MORE OF THE LAND IS RECORDED AND SUBSTANTIALLY DEVELOPED BEFORE DECEMBER 31, 1992.
15. THE PROJECT AREA WAS PREVIOUSLY MASS GRADED.
16. PREVIOUS FILE NUMBERS - F 98-176 (PLAT NO. 14022), F 90-047 (PLAT NO. 12945), F 07-042 (PLAT NO. 18607), AND FOP-DC-WARFIELD-1.
17. ALL AREAS WITHIN DOWNTOWN COLUMBIA, INCLUDING THIS SITE, HAVE BEEN DETERMINED BY HOWARD COUNTY TO BE REDEVELOPMENT. THIS SITE WILL UTILIZE THE REDEVELOPMENT CRITERIA ESTABLISHED BY MDE AS SET FORTH IN THE REDEVELOPMENT EXAMPLES DATED OCTOBER, 2010.

DESIGN NARRATIVE

The proposed development on the subject parcels is proposed to meet all of the goals of environmental site design. As the subject area has been previously subdivided and mass graded, there are no existing wetlands, major waterways, floodplains or other environmental features within the development area. The zoning is New Town and therefore is exempt from the forest conservation requirements. All natural flow areas have been previously divided into storm drain drainage areas. These storm drain drainage areas and resulting pipe capacities will be honored or additional management provided to be able to accommodate the existing systems.

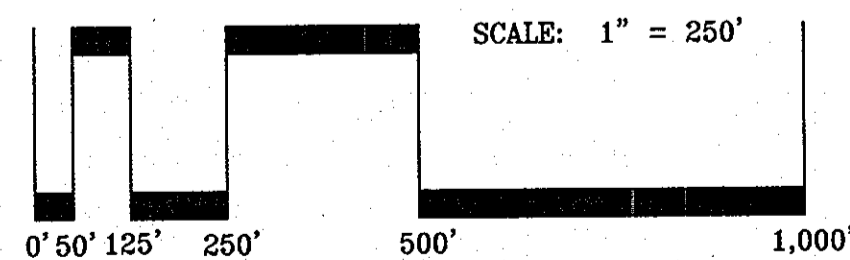
The development of Downtown Columbia as a whole is a direct result of reduction in impervious area by the introduction of environmental site design and stormwater management practices into an area that currently has outdated management or no management at all. The proposed sediment controls for construction will involve mainly perimeter controls and is anticipated to be dependent on phasing of the construction to ensure that all areas have the appropriate controls during each phase. The proposed sediment control devices are not anticipated to be able to be integrated into the overall stormwater management strategy due to their size and locations.

It has been previously determined by Howard County that the area of Downtown Columbia, which includes the subject site, qualifies as redevelopment. Therefore, the MDE redevelopment criteria will be used in the analysis and design of this site. All of the proposed impervious areas are intended to drain to either micro-bioretenation facilities or to underground rainwater harvesting facilities. Each micro-bioretenation facility will be provided an underdrain and an overflow drain (as applicable) outfalling to the existing storm drain system. A portion of the proposed rainwater harvesting storage (non-parking deck drainage) will be re-used for irrigation. These proposed micro-bioretenation and rainwater harvesting facilities will provide the required ESD volume for the project area.



LEGEND

- 366 --- EX. CONTOUR
- 300 --- PROP. CONTOUR
- (circle with cross) --- PROP. STORM DRAIN
- (circle) --- EX. STORM DRAIN
- (dashed line) --- LOD
- (dashed line with cross) --- EX. S.S. (public)
- (dashed line with circle) --- EX. SANITARY SEWER
- (dashed line with cross) --- S.S. (public)
- (dashed line with circle) --- PROP. SANITARY SEWER
- (dashed line with cross) --- W.M. (public)
- (dashed line with circle) --- PROP. WATER LINE
- (dashed line with cross) --- EX. W. (public)
- (dashed line with circle) --- EX. WATERLINE
- (dashed line with cross) --- EX. CURB & GUTTER
- (dashed line with circle) --- PROPOSED CURB & GUTTER
- (dashed line with cross) --- PROPOSED HARDSCAPE MALL
- (dashed line with circle) --- EXISTING EASEMENTS
- (dashed line with cross) --- EX. IMPERVIOUS AREAS
- (dashed line with circle) --- PROP. BUILDING ENVELOPE
- (dashed line with cross) --- PROP. WALKS
- (dashed line with circle) --- EX. SLOPES 25% AND GREATER
- (dashed line with cross) --- ERODIBLE SOILS
- (dashed line with cross) --- CATCHMENT AREA LIMITS
- (circle with C12) --- CATCHMENT IDENTIFICATION
- (dashed line with cross) --- MICRO-BIORETENATION FACILITY
- (dashed line with cross) --- MICRO-BIORETENATION (M-6) FACILITY IDENTIFICATION
- (dashed line with cross) --- RAINWATER HARVESTING (M-1) IDENTIFICATION
- (dashed line with cross) --- PROPOSED CONVEYANCE TO POTENTIAL OUTFALL LOCATIONS



SHEET INDEX

1. COVER SHEET and SHEET INDEX
2. ENVIRONMENTAL CONCEPT PLAN - NORTH
3. ENVIRONMENTAL CONCEPT PLAN - SOUTH
4. CONCEPTUAL EROSION AND SEDIMENT CONTROL PLAN-NORTH
5. CONCEPTUAL EROSION AND SEDIMENT CONTROL PLAN-SOUTH

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

K. J. [Signature] 9/13/12
Chief, Division of Land Development Date

[Signature] 9/18/12
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

DES. mjt	DRN. mjt	CHK.	DATE	REVISION	BY	APPR.

PREPARED FOR:
THE HOWARD HUGHES CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044

ATTN: BOB JENKINS
410-964-5443

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. 15269
EXPIRATION DATE: MAY 21, 2014



COVER SHEET

**DOWNTOWN COLUMBIA
SECTION 2 AREA 8 PARCELS C AND D,
SECTION 2 AREA 1 LOT 40, PART OF LOT 47 AND PART OF PARCEL E**
WARFIELD NEIGHBORHOOD BLOCKS W-1, W-2 AND W-5
PLAT No. 12995, 14022, & 18607

ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	NT	11074
DATE	TAX MAP - GRID	SHEET
Sept., 2012	36 - 01	1 OF 5

Parcel No.	Type	Edges Cont'd	Calculator	Surface Area Top (sq. ft.)	Surface Area Bottom (sq. ft.)	Depth (ft.)	Volume (cu. ft.)
M6-125	M-6	Planter	8	148	---	1.0	148
M6-126	M-6	Planter	8	148	---	1.0	148
M6-127	M-6	Planter	8	148	---	1.0	148
M6-128	M-6	Planter	8	148	---	1.0	148
M6-129	M-6	Planter	8	148	---	1.0	148
M6-130	M-6	Planter	8	84	---	1.0	84
Total							824

Parcel No.	Type	Edges Cont'd	Calculator	Surface Area Top (sq. ft.)	Surface Area Bottom (sq. ft.)	Depth (ft.)	Volume (cu. ft.)
M6-120	M-6	Planter	9	305	---	1.0	305
M6-121	M-6	Planter	9	185	---	1.0	185
M6-122	M-6	Planter	9	173	---	1.0	173
M6-123	M-6	Planter	9	173	---	1.0	173
M6-124	M-6	Planter	9	184	---	1.0	184
Total							1,020

Parcel No.	Type	Edges Cont'd	Calculator	Surface Area Top (sq. ft.)	Surface Area Bottom (sq. ft.)	Depth (ft.)	Volume (cu. ft.)
M6-115	M-6	Planter	10	438	---	1.0	438
M6-116	M-6	Planter	10	161	---	1.0	161
M6-117	M-6	Planter	10	149	---	1.0	149
M6-118	M-6	Planter	10	118	---	1.0	118
M6-119	M-6	Planter	10	119	---	1.0	119
Total							985

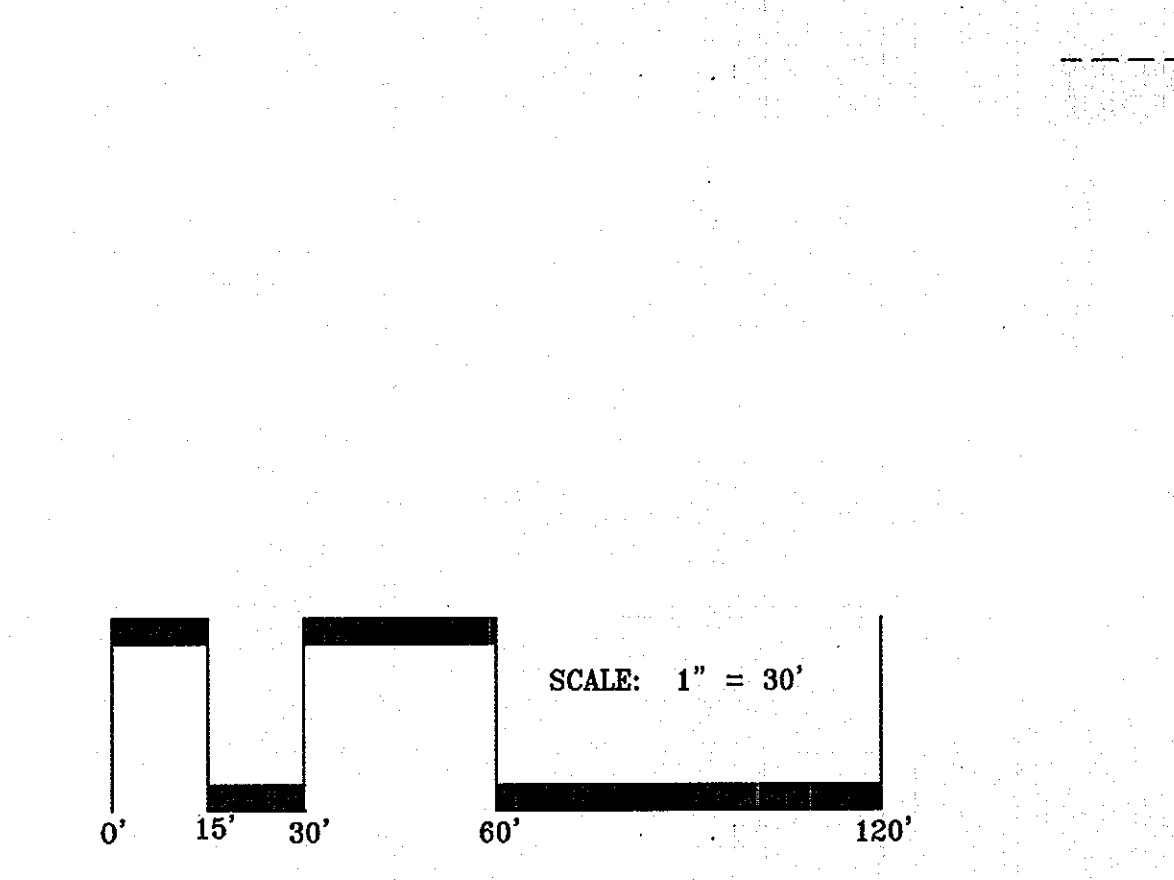
Parcel No.	Type	Edges Cont'd	Calculator	Surface Area Top (sq. ft.)	Surface Area Bottom (sq. ft.)	Depth (ft.)	Volume (cu. ft.)
M6-111	M-6	Planter	11	148	---	1.0	148
M6-112	M-6	Planter	11	148	---	1.0	148
M6-113	M-6	Planter	11	148	---	1.0	148
M6-114	M-6	Planter	11	86	---	1.0	86
Total							530

Parcel No.	Type	Edges Cont'd	Calculator	Surface Area Top (sq. ft.)	Surface Area Bottom (sq. ft.)	Depth (ft.)	Volume (cu. ft.)
M6-108	M-6	Planter	12	281	---	1.0	281
M6-109	M-6	Planter	12	433	---	1.0	433
M6-110	M-6	Planter	12	219	---	1.0	219
Total							933

Parcel No.	Type	Edges Cont'd	Calculator	Surface Area Top (sq. ft.)	Surface Area Bottom (sq. ft.)	Depth (ft.)	Volume (cu. ft.)
M6-100	M-6	Planter	16	128	---	1.0	128
M6-101	M-6	Planter	16	128	---	1.0	128
M6-102	M-6	Planter	16	128	---	1.0	128
M6-103	M-6	Planter	16	296	---	1.0	296
M6-104	M-6	Planter	16	128	---	1.0	128
M6-105	M-6	Planter	16	128	---	1.0	128
M6-106	M-6	Planter	16	145	---	1.0	145
M6-107	M-6	Planter	16	145	---	1.0	145
Total							1,226

Parcel No.	Type	Edges Cont'd	Calculator	Surface Area Top (sq. ft.)	Surface Area Bottom (sq. ft.)	Depth (ft.)	Volume (cu. ft.)
M6-131	M-6	Planter	18	323	---	1.0	323
M6-132	M-6	Planter	18	676	---	1.0	676
M6-133	M-6	Planter	18	818	---	1.0	818
M6-134	M-6	Planter	18	525	---	1.0	525
M6-135	M-6	Planter	18	680	---	1.0	680
M6-136	M-6	Planter	18	769	---	1.0	769
M6-137	M-6	Planter	18	771	---	1.0	771
M6-138	M-6	Planter	18	786	---	1.0	786
Total							5,348

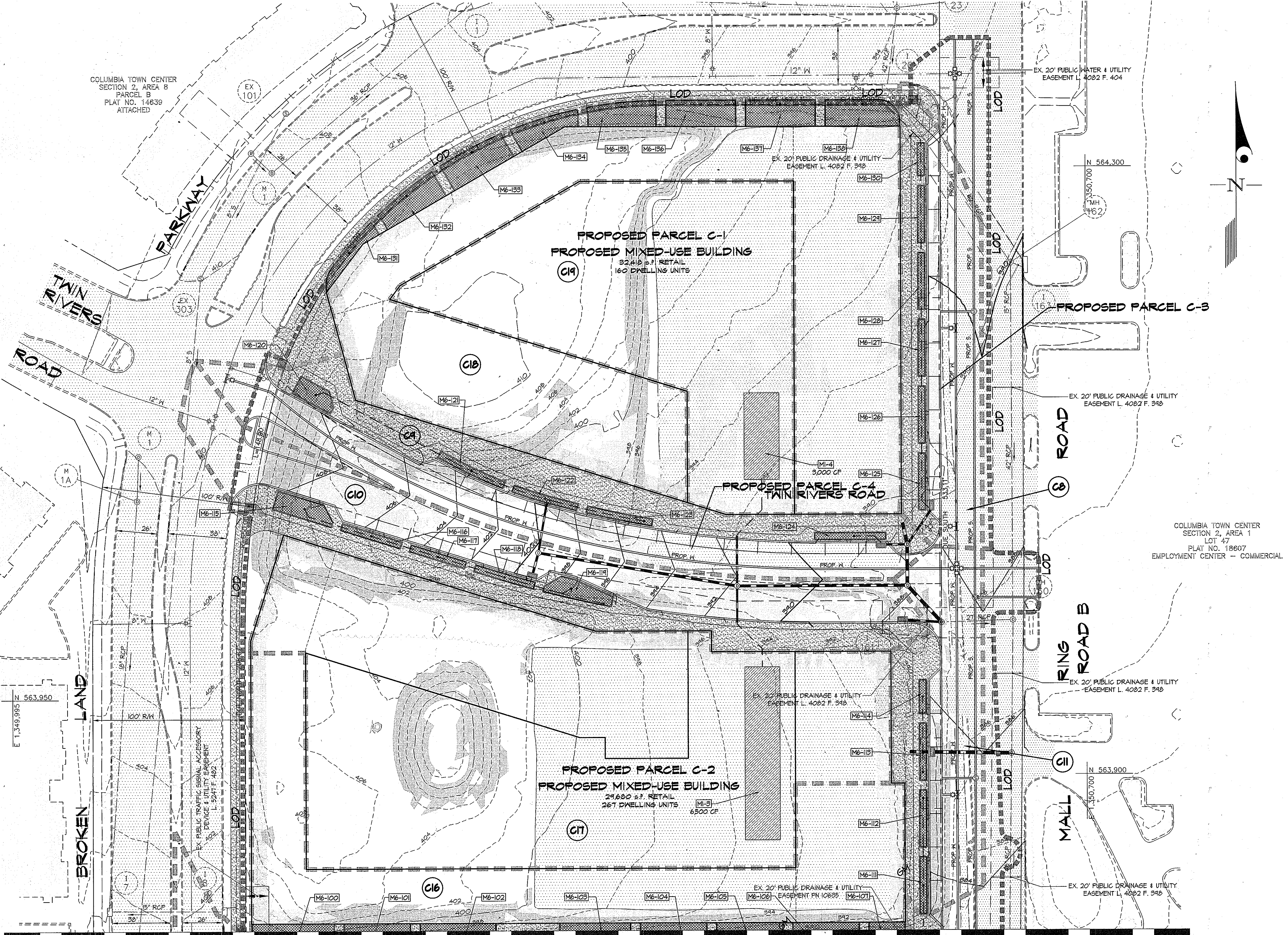
COLUMBIA TOWN CENTER
SECTION 2, AREA 9
PARCEL B
PLAT NO. 12669
APARTMENTS



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Kat Sheehan 9/13/12
 Chief, Division of Land Development Date
Chad Edwards 9-18-12
 Chief, Development Engineering Division Date

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 230 - BURTONSVILLE OFFICE PARK
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DES.	DRN.	CHK.	DATE	REVISION	BY	APP'R.



PREPARED FOR:
 THE HOWARD HUGHES CORPORATION
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044
 ATTN: BOB JENKINS
 410-964-5443

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. 14929, EXPIRATION DATE: MAY 21, 2014

ENVIRONMENTAL CONCEPT PLAN - NORTH
DOWNTOWN COLUMBIA
 SECTION 2 AREA 8 PARCELS C AND D,
 SECTION 2 AREA 1 LOT 40, PART OF LOT 47 AND PART OF PARCEL E
 WARFIELD NEIGHBORHOOD BLOCKS W-1, W-2 AND W-5
 PLAT No. 12995, 14022, & 18607
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1" = 30'	NT	11074
DATE	TAX MAP - GRID	SHEET
Sept., 2012	36 - 01	2 OF 5

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-44	M-6	Surface	1	882	663	1.0	772.5
M6-45	M-6	Surface	1	504	716	1.0	610
M6-46	M-6	Planter	1	281	---	1.0	281
M6-47	M-6	Planter	1	433	---	1.0	433
M6-48	M-6	Planter	1	219	---	1.0	219
Total							2315.5

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-1	M-6	Planter	2	576	---	1.0	576
M6-2	M-6	Planter	2	865	---	1.0	865
M6-3	M-6	Planter	2	585	---	1.0	585
M6-4	M-6	Planter	2	543	---	1.0	543
Total							2,569

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-50	M-6	Surface	3	165	90	1.0	127.5
M6-51	M-6	Surface	3	120	69	1.0	94.5
M6-52	M-6	Surface	3	120	70	1.0	95
M6-53	M-6	Surface	3	856	428	1.0	642
M6-54	M-6	Surface	3	137	83	1.0	110
M6-55	M-6	Surface	3	132	32	1.0	82
M6-56	M-6	Surface	3	132	32	1.0	82
M6-57	M-6	Planter	3	812	---	1.0	812
M6-58	M-6	Surface	3	454	342	1.0	398
Total							2,443

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-59	M-6	Surface	4	454	342	1.0	398
M6-60	M-6	Surface	4	77	31	1.0	54
M6-61	M-6	Surface	4	1639	1013	1.0	1326
M6-62	M-6	Surface	4	110	52	1.0	81
M6-63	M-6	Surface	4	766	642	1.0	704
M6-64	M-6	Surface	4	97	53	1.0	75
M6-65	M-6	Surface	4	219	167	1.0	193
Total							2,831

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-24	M-6	Planter	5	38	---	1.0	38
M6-25	M-6	Planter	5	38	---	1.0	38
M6-26	M-6	Planter	5	38	---	1.0	38
M6-27	M-6	Planter	5	38	---	1.0	38
M6-28	M-6	Planter	5	38	---	1.0	38
M6-33	M-6	Surface	5	218	82	1.0	150
M6-34	M-6	Surface	5	247	30	1.0	138.5
Total							479

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-17	M-6	Planter	6	343	---	1.0	343
M6-20	M-6	Planter	6	195	---	1.0	195
M6-21	M-6	Planter	6	241	---	1.0	241
M6-22	M-6	Planter	6	302	---	1.0	302
M6-23	M-6	Planter	6	38	---	1.0	38
M6-29	M-6	Surface	6	593	354	1.0	473.5
M6-30	M-6	Surface	6	132	32	1.0	82
M6-31	M-6	Surface	6	330	112	1.0	221
M6-32	M-6	Surface	6	204	10	1.0	107
Total							2,003

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-5	M-6	Planter	7	810	---	1.0	810
M6-6	M-6	Planter	7	203	---	1.0	203
M6-7	M-6	Planter	7	206	---	1.0	206
M6-8	M-6	Planter	7	156	---	1.0	156
M6-9	M-6	Planter	7	208	---	1.0	208
Total							1,583

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-35	M-6	Planter	13	209	---	1.0	209
M6-36	M-6	Planter	13	717	---	1.0	717
M6-37	M-6	Planter	13	574	---	1.0	574
M6-38	M-6	Planter	13	256	---	1.0	256
M6-39	M-6	Planter	13	160	---	1.0	160
M6-40	M-6	Planter	13	148	---	1.0	148
M6-41	M-6	Planter	13	148	---	1.0	148
M6-42	M-6	Planter	13	72	---	1.0	72
M6-43	M-6	Planter	13	316	---	1.0	316
Total							2,600

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-10	M-6	Planter	14	128	---	1.0	128
M6-11	M-6	Planter	14	128	---	1.0	128
M6-12	M-6	Planter	14	128	---	1.0	128
M6-13	M-6	Planter	14	296	---	1.0	296
M6-14	M-6	Planter	14	128	---	1.0	128
M6-15	M-6	Planter	14	128	---	1.0	128
M6-16	M-6	Planter	14	145	---	1.0	145
Total							1,081

Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-18	M-6	Planter	15	289	---	1.0	289
M6-19	M-6	Planter	15	168	---	1.0	168
Total							457

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

K. Edwards 9/13/12
 Chief, Division of Land Development Date
Chad Edwards 9/18/12
 Chief, Development Engineering Division Date

SCALE: 1" = 30'

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 200 - BURTNSVILLE OFFICE PARK
 BURTNSVILLE, MARYLAND 20886
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-589-2524 FAX: 301-421-4186

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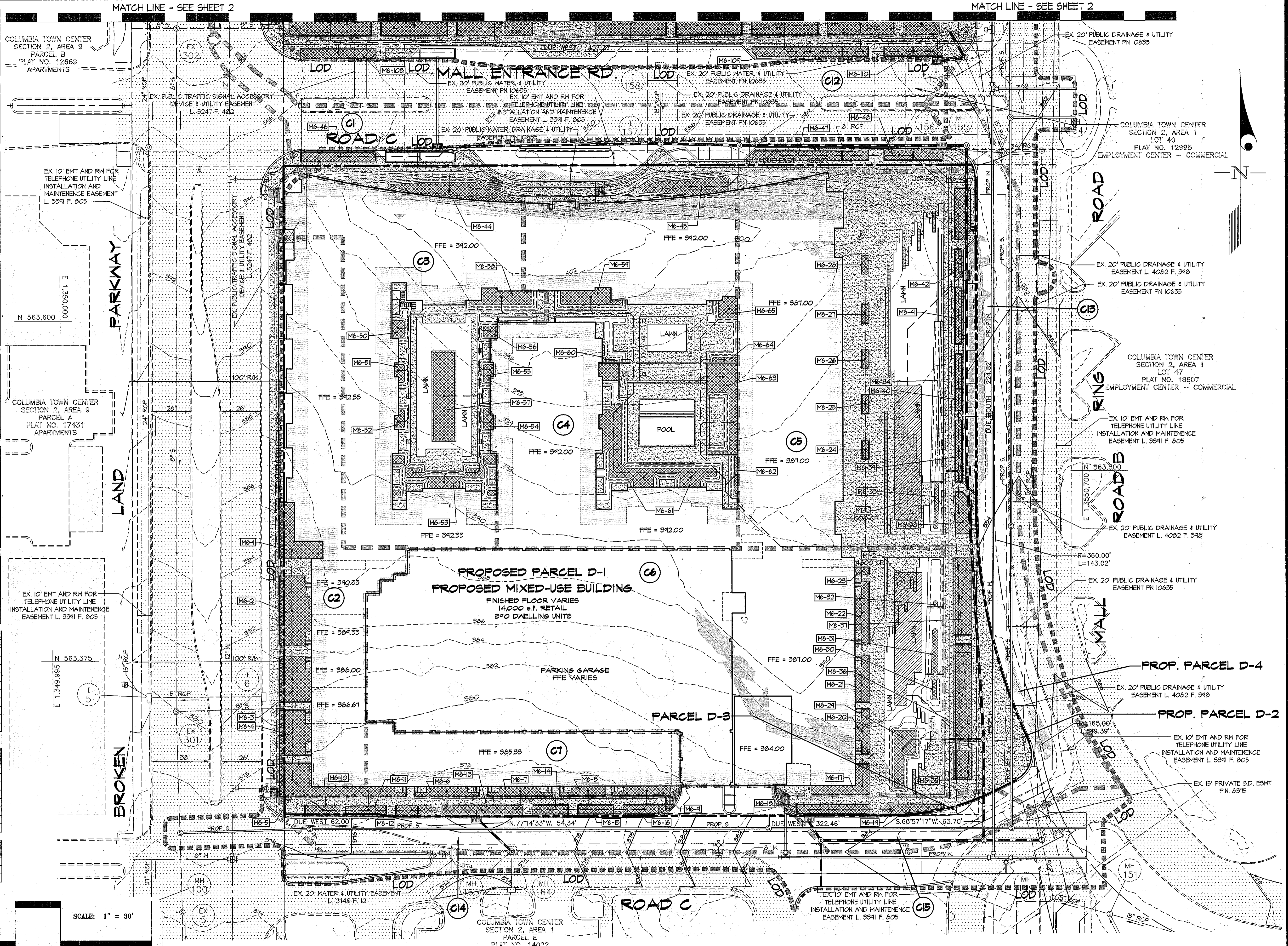
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 I HEREBY CERTIFY THAT THESE
 PLANS WERE PREPARED OR
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 DULY LICENSED PROFESSIONAL
 ENGINEER UNDER THE LAWS OF THE
 STATE OF MARYLAND,
 LICENSE NO. 14931
 EXPIRATION DATE: MAY 21, 2014



ENVIRONMENTAL CONCEPT PLAN - SOUTH
DOWNTOWN COLUMBIA
 SECTION 2 AREA 8 PARCELS C AND D,
 SECTION 2 AREA 1 LOT 40, PART OF LOT 47 AND PART OF PARCEL E
 WARFIELD NEIGHBORHOOD BLOCKS W-1, W-2 AND W-5
 PLAT NO. 12995, 14022, & 18607
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=30'	NT	11074
DATE	TAX MAP - GRID	SHEET
Sept, 2012	36 - 01	3 OF 5

DES. mjt	DRN. mjt	CHK.	DATE	REVISION	BY	APP'R.

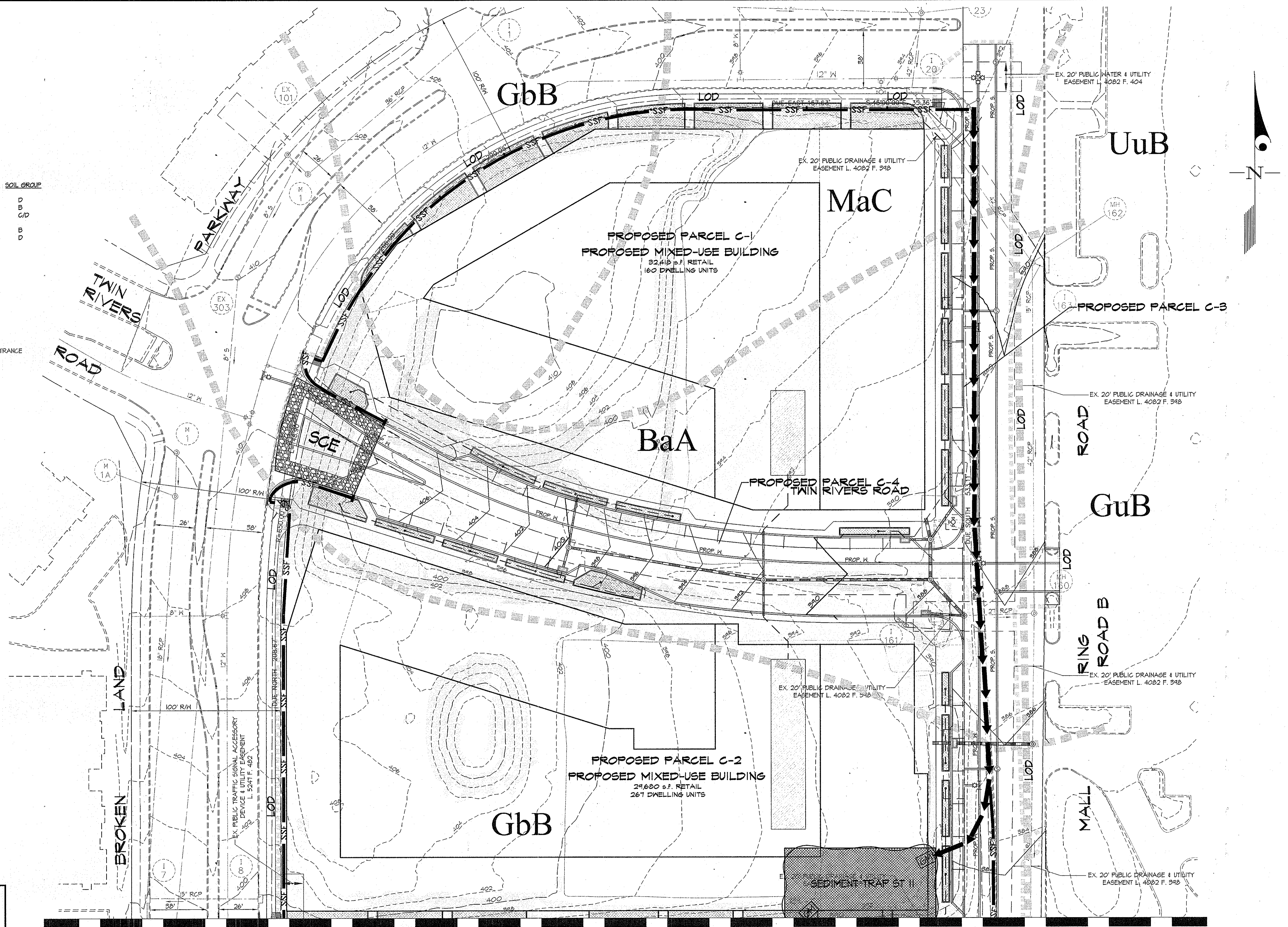
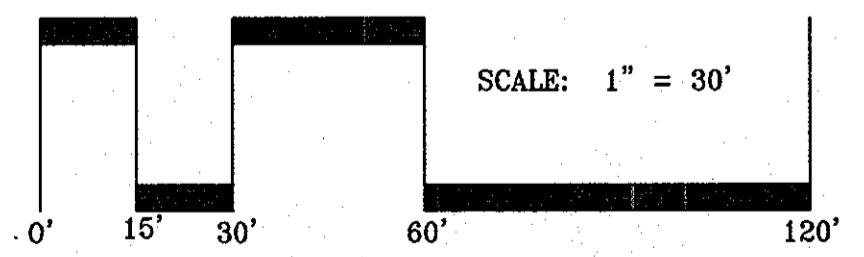


Parcel No.	Type	Use/Code	Catchment	Surface Area (Top)	Surface Area (Bottom)	Depth	Volume
				(sq ft)	(sq ft)	(ft)	(cu ft)
M6-10	M-6	Planter	14	128	---	1.0	128
M6-11	M-6	Planter	14	128	---	1.0	128
M6-12	M-6	Planter	14	128	---	1.0	128
M6-13	M-6	Planter	14	296	---	1.0	296
M6-14	M-6	Planter	14	128	---	1.0	128
M6-15	M-6	Planter	14	128	---	1.0	128
M6-16	M-6	Planter	14	145	---	1.0	145
Total							1,081

SOIL TABLE

MAP SYMBOL	MAPPING UNIT	SOIL GROUP
BaA	Baile Silt Loam, 0 to 3 percent slopes	D
GbB	Gladstone Loam, 3 to 8 percent slopes	B
GvB	Glenville-Urban Land-Utharthenis complex 0 to 8 percent slopes	C/D
MaC	Manor Loam, 8 to 15 percent slopes	B
UuB	Urban Land-Utharthenis complex 0 to 8 percent slopes	D

- LEGEND**
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - PROPOSED EARTH DIKE
 - PROPOSED SUPER SILT FENCE
 - PROPOSED SEDIMENT TRAP
 - PROPOSED INFLOW PROTECTION
 - LIMIT OF SUBMISSION/DISTURBANCE
 - LIMIT OF SOIL BOUNDARY



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Kathleen 9/13/12
 Chief, Division of Land Development Date

Chris Edwards 9/18/12
 Chief, Development Engineering Division Date

MATCH LINE - SEE SHEET 5

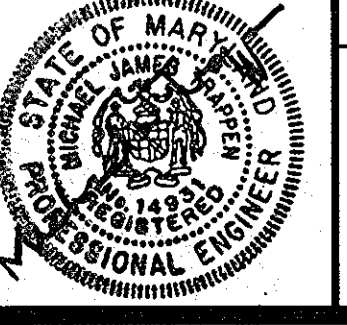
MATCH LINE - SEE SHEET 5

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

DATE	REVISION	BY	APPR.

PREPARED FOR:
 THE HOWARD HUGHES CORPORATION
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044
 ATTN: BOB JENKINS
 410-964-5443

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. 14481, EXPIRATION DATE: MAY 21, 2024



CONCEPTUAL EROSION AND SEDIMENT CONTROL PLAN - NORTH

DOWNTOWN COLUMBIA
 SECTION 2 AREA 8 PARCELS C AND D,
 SECTION 2 AREA 1 LOT 40, PART OF LOT 47 AND PART OF PARCEL E
 WARFIELD NEIGHBORHOOD BLOCKS W-1, W-2 AND W-5
 PLAT No. 12995, 14022, & 18607

ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1" = 30'	NT	11074
DATE	TAX MAP - GRID	SHEET
Sept., 2012	36 - 01	4 OF 5








MATCH LINE - SEE SHEET 4

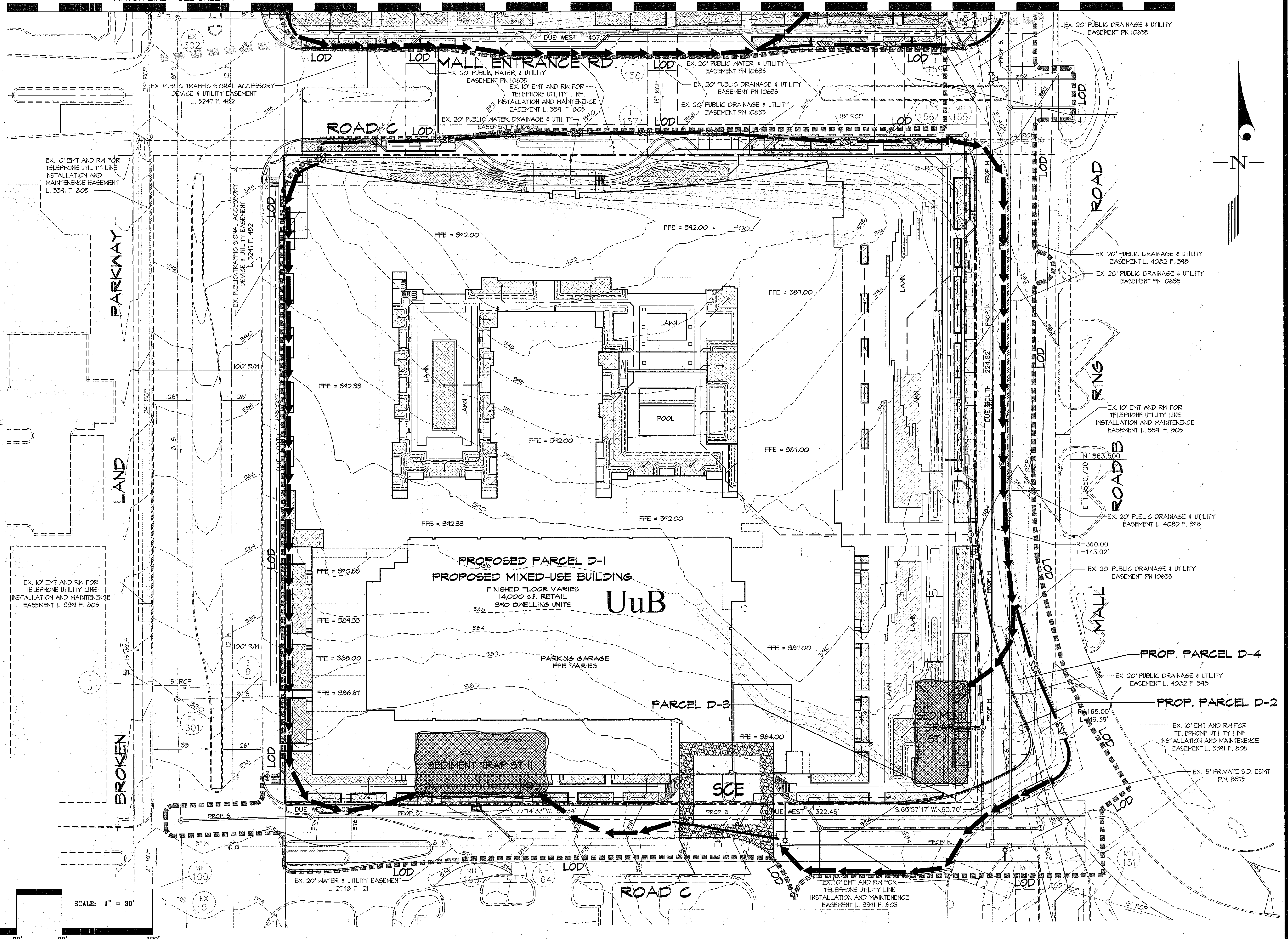
MATCH LINE - SEE SHEET 4

SOIL TABLE

MAP SYMBOL	MAPPING UNIT	SOIL GROUP
U.B	Urban Land-Use/Intens complex 0 to 8 percent slopes	D

LEGEND

-  PROPOSED STABILIZED CONSTRUCTION ENTRANCE
-  PROPOSED EARTH DIKE
-  PROPOSED SUPER SILT FENCE
-  PROPOSED SEDIMENT TRAP
-  PROPOSED INFLOW PROTECTION
-  LOD
LIMIT OF SUBMISSION/DISTURBANCE
-  LIMIT OF SOIL BOUNDARY

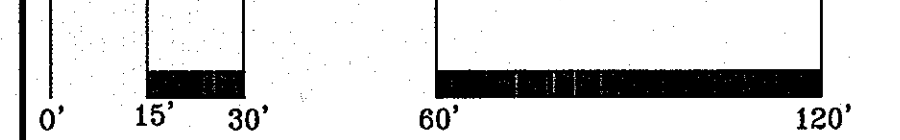


APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Kent Schulman 9/13/12
 Chief, Division of Land Development Date

Bob Jenkins 9/18/12
 Chief, Development Engineering Division Date

SCALE: 1" = 30'




GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 220 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-589-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.

PREPARED FOR:
 THE HOWARD HUGHES CORPORATION
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044

ATTN: BOB JENKINS
 410-964-5443

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



CONCEPTUAL EROSION AND SEDIMENT CONTROL PLAN - SOUTH

DOWNTOWN COLUMBIA
 SECTION 2 AREA 8 PARCELS C AND D,
 SECTION 2 AREA 1 LOT 40, PART OF LOT 47 AND PART OF PARCEL E
 WARFIELD NEIGHBORHOOD BLOCKS W-1, W-2 AND W-5
 PLAT No. 12995, 14022, & 18607

ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=30'	NT	11074
DATE	TAX MAP - GRID	SHEET
Sept, 2012	36 - 01	5 OF 5