

**SHEET INDEX**

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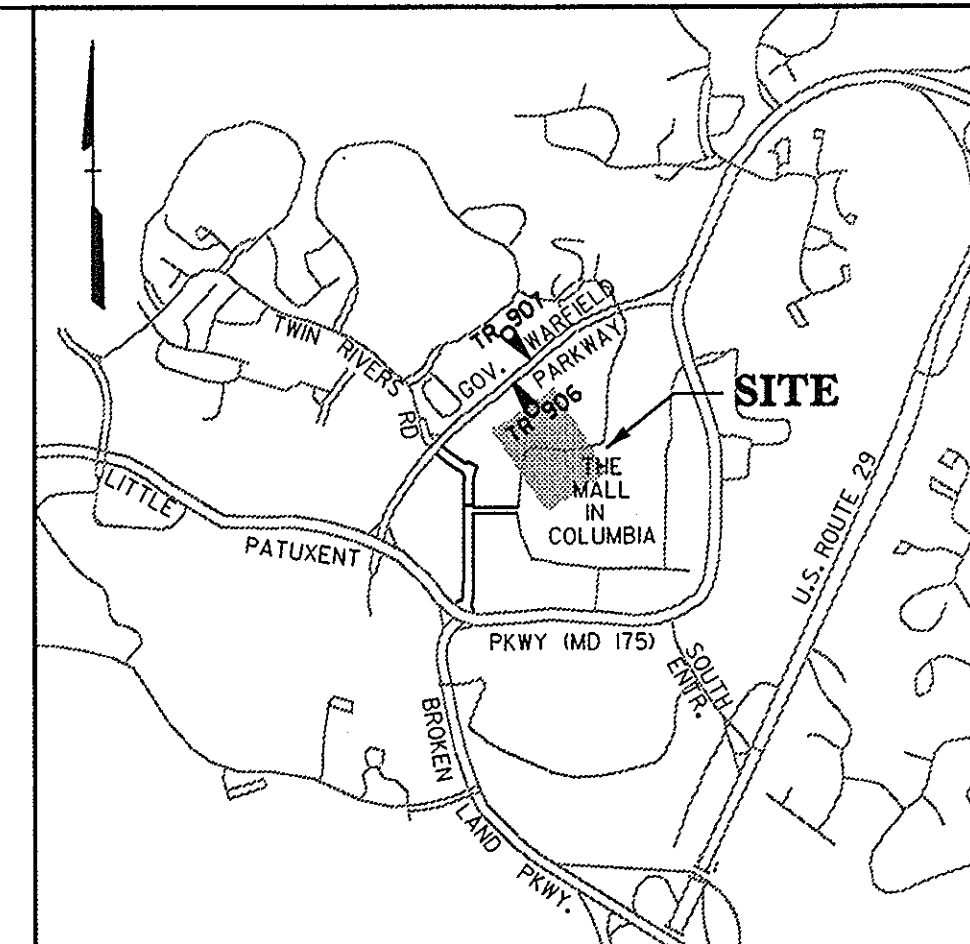
**ADDRESS CHART**

LOT / PARCEL	STREET ADDRESS
47	10300 LITTLE PATUXENT PARKWAY

**LEGEND**

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- STATE WETLAND BUFFER
- 50' STREAM BUFFER
- 6" STANDARD COMB. C&G
- 6" REV. COMB. C&G
- EX. CONTOUR
- EX. WATER
- EX. SANITARY SEWER
- EX. STORM DRAIN
- EX. EDGE OF ROAD
- PROP. CONTOUR
- PROP. UTILITIES
- 6" STANDARD COMB. C&G
- 6" REV. COMB. C&G
- CONC. LIGHT POLE ISLAND
- CONCRETE
- SUBMISSION AREA

- GENERAL NOTES**
- The subject property is zoned N.T. Employment Center Commercial per FDP Phase 47-A-VII and the 2/2/04 Comprehensive Zoning Plan.
  - All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
  - The contractor shall notify the Bureau of Engineering/Construction Inspection Division at 4101/315-1860 at least five (5) working days prior to the start of work.
  - The contractor shall notify 'Miss Utility' at 1-800-257-7177 at least 48 hours prior to any excavation work.
  - Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any construct.
  - All plan dimensions are to the face of curb unless otherwise noted.
  - Topography was field run surveyed by Daff-McCune-Walker, Inc. in July 1995 and May 2005, and Fisher, Collins & Carter in 1994. Expanded Per SDP 97-107, SDP 97-158 & SDP 99-116 and detailed on 7/04. Coordinates and bearings shown hereon are referred to the Maryland Coordinate System (NAD 83) projected from the following 'Whitman, Requardt & Assoc.' traverse stations:  
TR 906 N 504280.630 E 838550.3680 ELEV. 381.500  
TR 907 N 504400.670 E 838647.7701 ELEV. 394.150
  - Stormwater management quantity is provided on-site by an underground detention facility, per SDP 97-107. Quality control by discharge from the underground facility into Lake Kittamaquand, as per SDP 97-107.
  - Stormwater management facilities are privately maintained.
  - No wetlands exist within the limits of disturbance.
  - The existing utilities were located from available records and field survey prepared by Daff-McCune-Walker, Inc. The contractor must dig test pits, by hand, at utility crossings and connection points at least 5 days prior to starting work to verify exact location.
  - The Soils analysis was prepared by R. Bitter Group & submitted with SDP-98-44.
  - Handicap parking details shall be in accordance with the Maryland Building Code for the Handicapped, Section 5-01.05.
  - Any damage to County owned right-of-way to be corrected at the contractor's expense.
  - All sidewalks shall be cross sloped at 1/4 inch per foot.
  - Trench bedding for storm drainage structures shall be in accordance with Howard County Standard 02.01.
  - Department of Planning and Zoning reference file numbers:  
SDP 80-2, SDP 82-158, SDP 83-2, SDP 85-9, SDP 87-09, SDP 87-107, SDP 87-158, SDP 89-44, SDP 98-8, SDP 98-124, SDP 99-116, SDP 00-57, WF-03-034, F-04-45, FDP 47-A-VII, SDP 05-27, SDP 70-47, SDP 81-81, SDP 91-26, F-91-174, F-99-145, F-98-47, F-03-154, F-05-123, WF-04-52.
  - All limits shall be constructed in accordance with Howard County standards or MSHA Standards as specified on the structure schedule.
  - All materials and construction is to be in accordance with the Howard County Design Manual Volume IV.
  - The building setback restrictions from the property lines and right-of-way lines of any building shall be in accordance with FDP Phase 47-A-VII. There is no lot coverage or building height restrictions in this FDP provided that improvements are in accordance with the Design Manual.
  - All on-site driveways and parking areas to be privately maintained.
  - All curb radii are five foot unless otherwise labeled.
  - Equipment and tools shall be placed as not to interfere with vehicular or pedestrian movement unless specified.
  - The contractor shall be responsible for any damage to existing property which may occur as a result of his negligence in the execution of the work.
  - All paving areas indicated are private.
  - All proposed handicap ramps shall be in accordance with the current A.D.A. Standards.
  - Existing lights per SDP 97-107 & SDP 97-158 to be relocated as necessary. Outdoor lighting shall conform to Section 134 of the Zoning Regulations.
  - There is no floodplain on this site.
  - Public Water and Sewer is utilized for this site.
  - This plan is exempt from Forest Conservation in accordance with Section 16-202 (b) (iv) of the Planning and Zoning Ordinance.
  - This plan has been prepared in accordance with the provisions of Section 16.024 of the Howard Co. Code & the Landscape Manual following the alternative compliance method. Financial survey for the required landscape trees: 58 shade, 16 ev./fl. in the amount of \$20,000.00 must be posted as part of the grading permit.



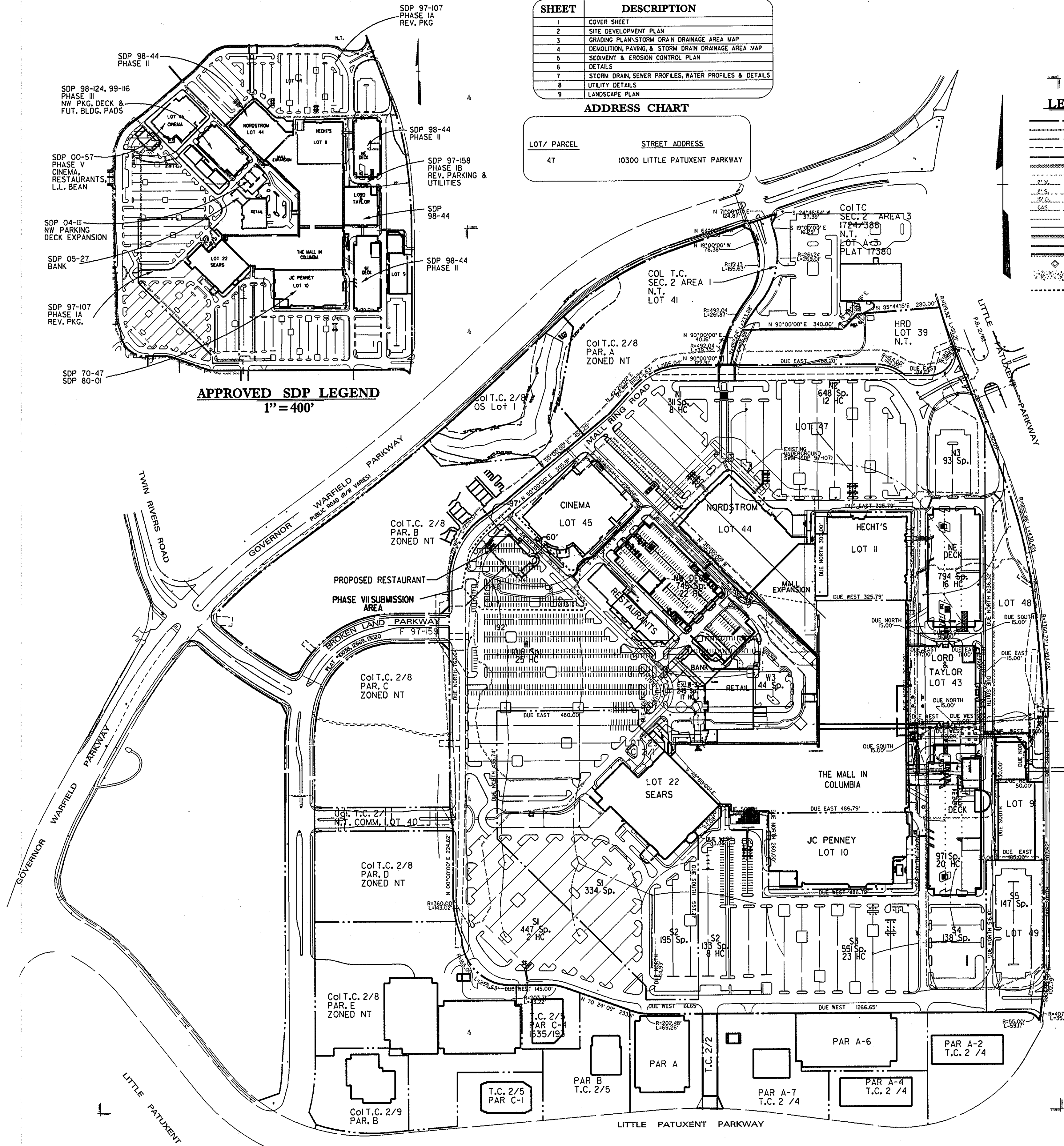
**LOCATION MAP**

ELEVATIONS SHOWN HEREON ARE BASED ON THE FOLLOWING TRAVERSE STATIONS ESTABLISHED BY FISHER, COLLINS AND CARTER, INC. (NGVD 29 VERTICAL DATUM)

TR 906	N 504280.630	E 838550.3680	ELEV. 381.500
TR 907	N 504400.6701	E 838647.7701	ELEV. 394.150

**APPROVED SDP LEGEND**  
1" = 400'

**VICINITY MAP**  
1" = 200'



**SITE ANALYSIS**

- Zoning: New Town - Employment Center Commercial (Per FDP Ph. 47-A-VII)
- Plot Reference: 16237-16239 Dated 10-7-03
- Phase VII Area/Limit of Disturbance: 2.3 Acres (100,188 SF)
- Proposed Use: 10,500 SF restaurant
- Area Tabulation
 

A. Total Project Area	62,339 AC. (2,715,486.8 SF)
B. Area of Plan Submission	2.3 AC.
C. Building Area Proposed	10,500 SF
D. Limit of Disturbance	2.3 AC.
E. Impervious Area	1.8 AC. (80,188 SF)
F. Green Area	.5 AC. (20,000 SF)
G. Existing Building Coverage Area	14 %
H. Proposed Building Coverage Area	14 %
- Parking Tabulation (Shared parking is permitted in accordance with zoning regulations section 133.E)
 

A. Parking Spaces Required (per parking study approved 1-6-2000)			
1. General Retail	(4,155.54 SF @ 4.5/1000) = 5020 sp.		
2. Office Space	(1700 SF @ 2/1000) = 3 sp.		
3. Restaurants	(34,398 SF @ 14/1000) = 482 sp. Includes Champs, Pizzeria Uno, P.F. Chang's, & Cheeseecake Factory		
4. Retail	(25,500 SF @ 4.5/1000) = 115 sp.		
5. Cinema	(2900 seat @ 1/4 seats) = 725 sp.		
6. Bank	(6214 SF @ 5 /1,000) = 31 sp.		
7. Total	= 6376 sp.		
	(6570 sp. proposed, 194 sp. excess)		
B. Parking Spaces Provided			
Existing Parking	Parking To Be Deleted	Proposed Parking	Total Parking
6703 sp (incl. 136 HC)	143 sp (incl. 6 HC)	10 sp (incl. 10 HC)	6570 sp (incl. 140 HC)
(Per ALTA Survey 5/05)			
C. Handicap Spaces			
1. HC spaces required	75 HC		
2. HC spaces prop.	140 HC		
3. Excess	65 HC		

**7. Lot Tabulation**

Lot	Owner	Area	Plot Reference
47	Howard Research & Develop. Holdings Corp. & Columbia Mall, Inc.	62,339 AC.	F-04-45

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Robert A. Walker  
COUNTY HEALTH OFFICER  
6/30/05  
DATE

DATE SOURCES:  
BOUNDARY PER RECORD PLAT 14168, TOPO PER DAFT, McCUNE, WALKER, INC. SURVEY DATED NOVEMBER 2003.

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 6/8/05

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Michael Dammann  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
6/29/05  
DATE

Cinda Hamilton  
CHIEF, DIVISION OF LAND DEVELOPMENT  
6/30/05  
DATE

Stephen Lafferty  
DIRECTOR  
6/30/05  
DATE

THE MALL IN COLUMBIA  
PROPOSED RESTAURANT

PHASE VII  
COLUMBIA TOWN CENTER  
SECTION 2 AREA 1  
LOT 47  
HOWARD COUNTY, MD

OWNER / DEVELOPER:  
THE HOWARD RESEARCH & DEVELOPMENT CORP.  
COLUMBIA MALL, INC.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

**DMW**  
Daff-McCune-Walker, Inc.  
200 East Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 296-3333  
Fax 296-4705

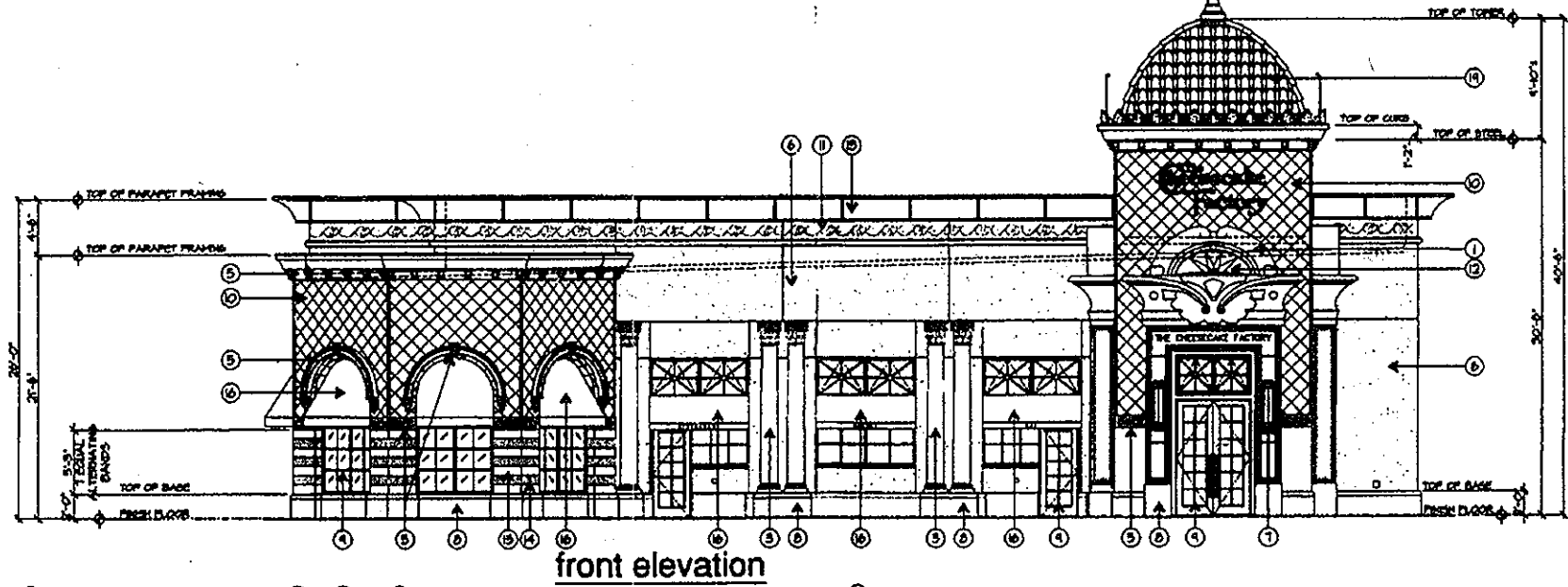
A Team of Land Planners,  
Landscape Architects,  
Engineers, Surveyors &  
Environmental Professionals

SUBMISSION NAME	COLUMBIA TOWN CTR	21	DISPATCH #	47
TAX	BLOCK # 1001	PARCEL # 30,36	EGRET DISTRICT	5TH
PLAT	16237-9	18,288, 1,3	N.T.	SERIES NUMBER
OWNER CODE	167-W	SEWER CODE		6054.02

TITLE  
**PHASE VII  
SITE DEVELOPMENT PLAN  
COVER SHEET**

Des By	MJP	Scale	AS SHOWN	Proj. No.	9501988
Dm By	CH	Date	06/08/2005	1 of 9	
Chk By		Approved			

Professional Engr. No. 10551



6-17-05  
Date

Professional Engr. No. 10551



LEGEND

- 60 - Existing Contour
- 60 - Proposed Contour
- + 64.27 - Existing Spot Elevation
- + 64.27 - Proposed Spot Elevation
- 8" SAN - Existing Sanitary Sewer
- 8" SAN - Proposed Sanitary Sewer
- 24" S.D. - Existing Storm Drain
- 24" S.D. - Proposed Storm Drain
- 12" W. - Existing Water
- 12" W. - Proposed Water
- ⊙ - Existing Tree
- ⊙ - Existing Tree Lines for Woods
- ⊙ - New Tree Lines for Woods

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY

DATE 6/8/05

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT

Robert Walker  
COUNTY HEALTH OFFICER 580 6/30/05  
DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
Chief, Development Engineering Division 1142 6/30/05  
DATE

Chief, Division of Land Development 6/30/05  
DATE

Director 6/30/05  
DATE

Date	No.	Revision Description
1/17/06	1	ADD PLE. VEH. CHG. STATIONS
7/2/05	1	REVISE PATIO EXIT

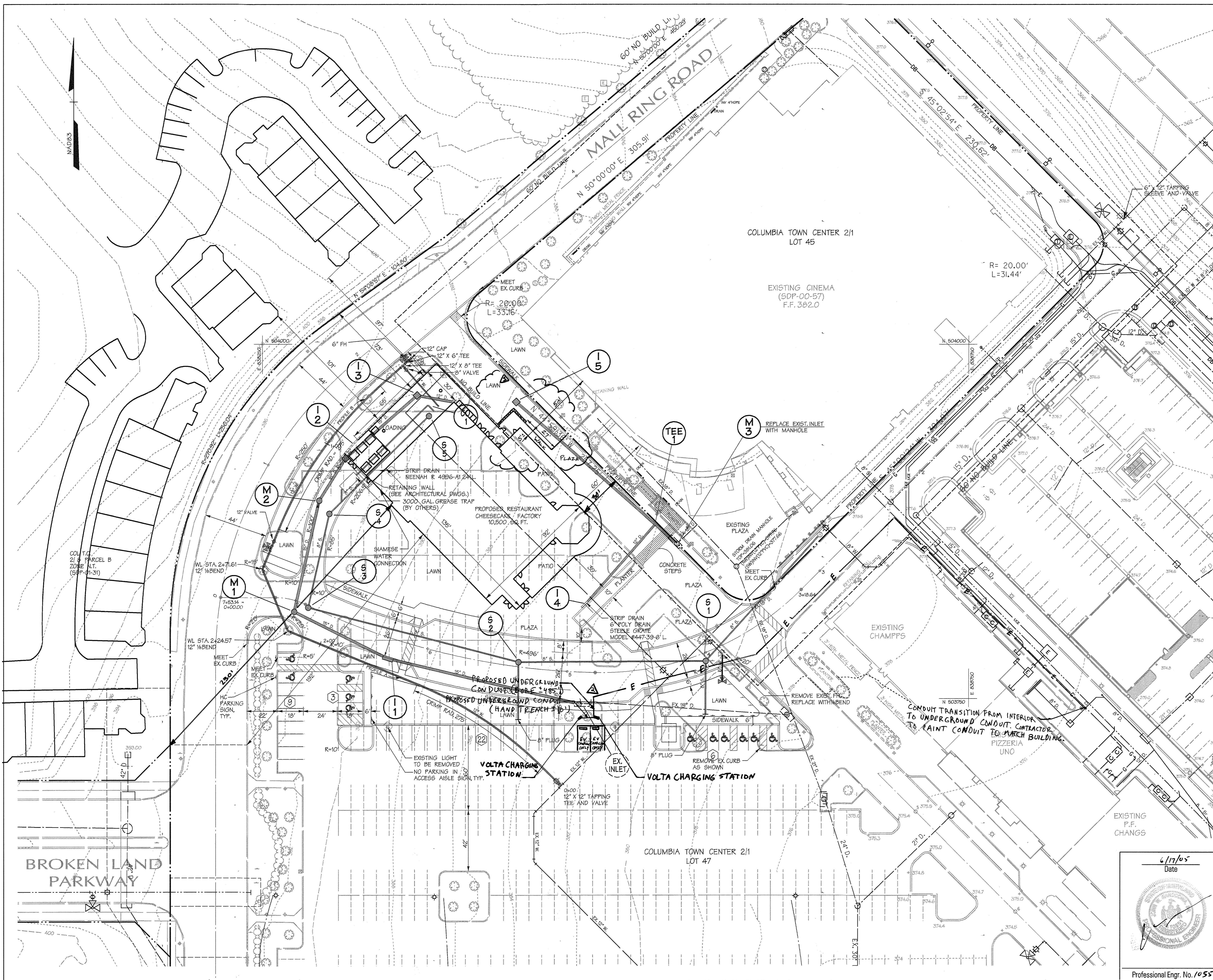
THE MALL IN COLUMBIA  
PROPOSED RESTAURANT  
PHASE VII  
COLUMBIA TOWN CENTER  
SECTION 2 AREA 1  
LOT 47  
HOWARD COUNTY, MD

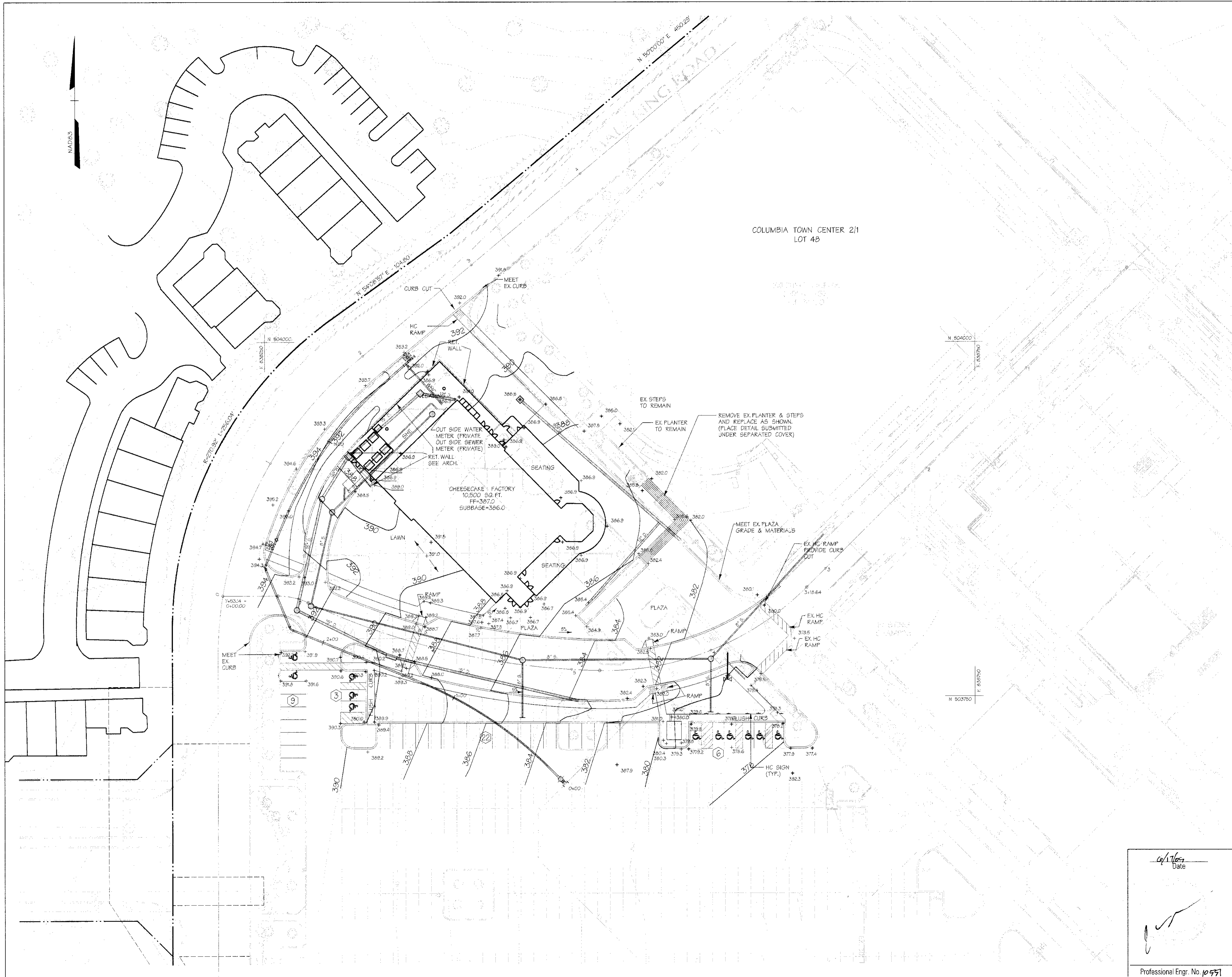
OWNER / DEVELOPER:  
THE HOWARD RESEARCH & DEVELOPMENT CORP.  
COLUMBIA MALL, INC.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

**DMW**  
Dart-McCune-Walker, Inc.  
300 East Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 296-3333  
Fax 296-4705  
A Team of Land Planners,  
Landscape Architects,  
Engineers, Surveyors &  
Environmental Professionals

6/17/05  
Date  
Professional Engr. No. 05551

TITLE		
PHASE VII SITE DEVELOPMENT PLAN SITE PLAN		
Des. By MJP	Scale 1" = 30'	Proj. No. 95019.BB
Drn. By WDE	Date 06/06/2005	
Chk. By	Approved	2 of 9





COLUMBIA TOWN CENTER 2/1  
LOT 4B

**LEGEND**

- - - Existing Contour
- Proposed Contour
- + 04.27 Existing Spot Elevation
- + 04.27 Proposed Spot Elevation
- - - Existing Sanitary Sewer
- - - Proposed Sanitary Sewer
- - - Existing Storm Drain
- - - Proposed Storm Drain
- - - Existing Water
- - - Proposed Water
- - - Existing Tree
- - - Existing Tree Lines for Woods
- - - New Tree Lines for Woods

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*Robert J. Wilbur* COUNTY HEALTH OFFICER 6/30/05 DATE  
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
*William M. ...* CHIEF DEVELOPMENT ENGINEERING DIVISION MK 6/25/05 DATE  
*Linda ...* CHIEF DIVISION OF LAND DEVELOPMENT 6/30/05 DATE  
*...* DIRECTOR 6/30/05 DATE

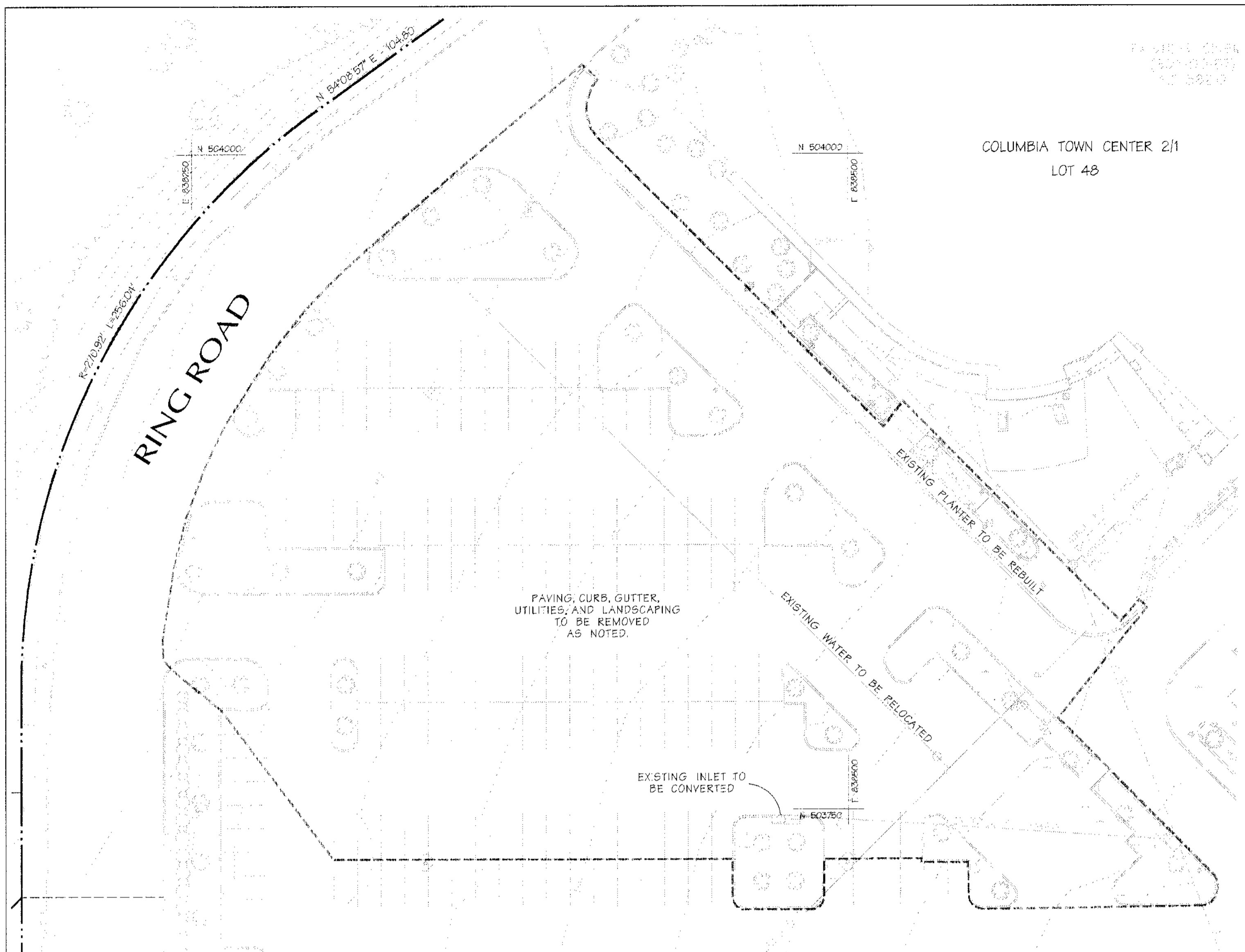
Date	No.	Revision Description
		THE MALL IN COLUMBIA PROPOSED RESTAURANT PHASE VII COLUMBIA TOWN CENTER SECTION 2 AREA 1 LOT 4B HOWARD COUNTY, MD

OWNER / DEVELOPER:  
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COLUMBIA MALL, INC.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

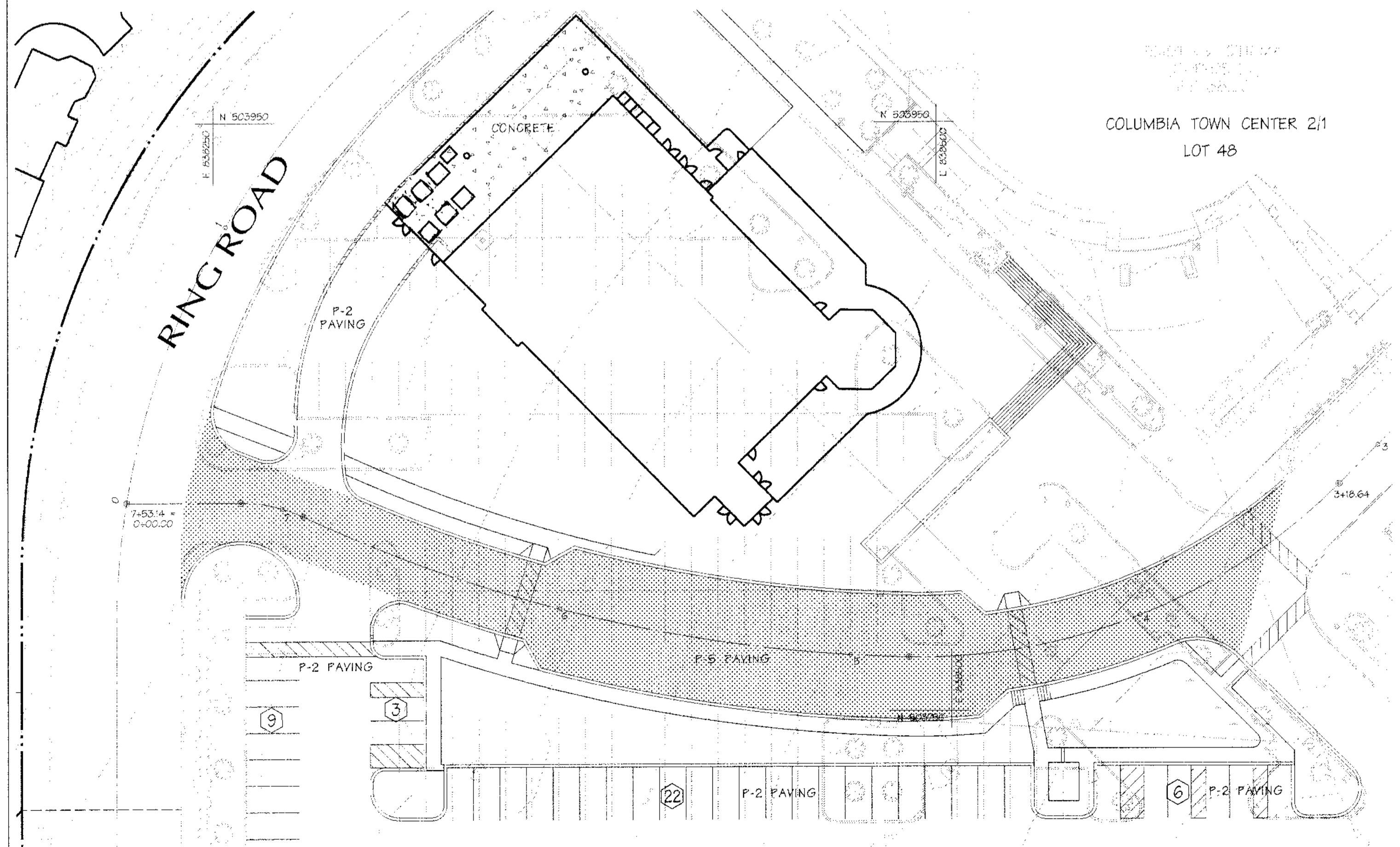
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Darr McCune-Walker, Inc.  
200 East Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 296-3353  
Fax 296-4705  
A Team of Land Planners,  
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Engineers, Surveyors &  
Environmental Professionals

*...*  
6/17/05  
Date  
Professional Engr. No. 10571

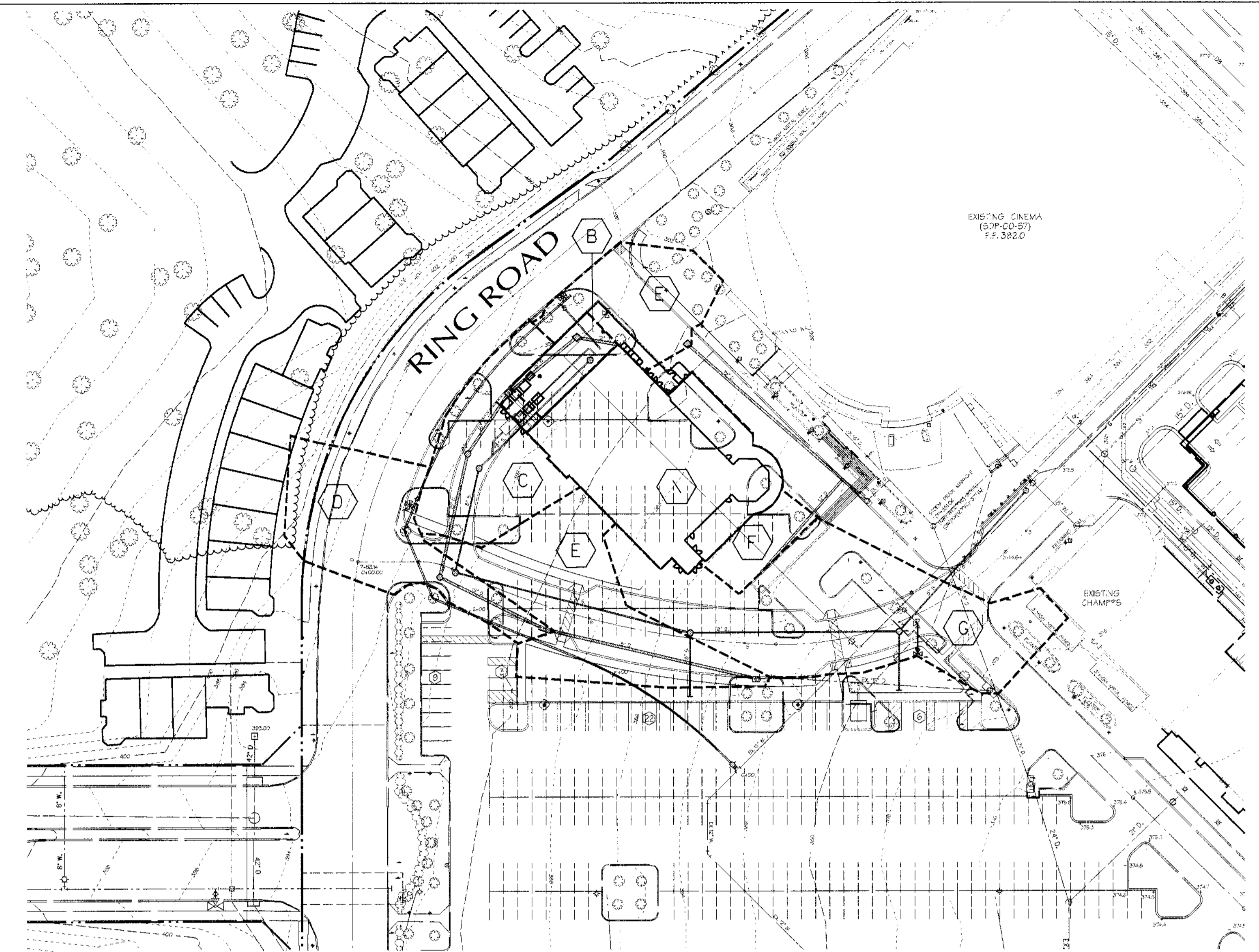
TITLE <b>PHASE VII GRADING PLAN</b>		
Des. By MJP	Scale 1" = 30'	Proj. No. 95019.BB
Drn. By WDE	Date 06/06/2005	3 of 9
Chk. By	Approved	



DEMOLITION PLAN  
SCALE: 1" = 30'



PAVING PLAN  
SCALE: 1" = 30'



DRAINAGE AREA MAP  
SCALE: 1" = 50'

- 0.2 AC. A ZONING NT  
C = 0.95 % IMP. 100
- 0.03 AC. B ZONING NT  
C = 0.95 % IMP. 100
- 0.21 AC. C ZONING NT  
C = 0.95 % IMP. 100
- 0.20 AC. D ZONING NT  
C = 0.95 % IMP. 100
- 0.11 AC. E ZONING NT  
C = 0.95 % IMP. 100
- 0.07 AC. F ZONING NT  
C = 0.95 % IMP. 100
- 0.40 AC. G ZONING NT  
C = 0.95 % IMP. 100

- LEGEND**
- - - Existing Contour
  - - - Proposed Contour
  - + 64.27 Existing Spot Elevation
  - + 64.27 Proposed Spot Elevation
  - - - Existing Sanitary Sewer
  - - - Proposed Sanitary Sewer
  - - - Existing Storm Drain
  - - - Proposed Storm Drain
  - - - Existing Water
  - - - Proposed Water
  - - - Existing Tree
  - - - Existing Tree Lines for Woods
  - - - New Tree Lines for Woods
  - - - Proposed Concrete Paving
  - - - Proposed P-2 Paving
  - - - Proposed P-5 Paving

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT		
<i>Robert A. Wilson</i> COUNTY HEALTH OFFICER	6/30/05	DATE
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING		
<i>Michael J. Williams</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	6/29/05	DATE
<i>Wanda Thomas</i> CHIEF, DIVISION OF LAND DEVELOPMENT	6/29/05	DATE
<i>Stephanie Kelly</i> DIRECTOR	6/30/05	DATE

Date	No.	Revision Description
		THE MALL IN COLUMBIA PHASE VII COLUMBIA TOWN CENTER SECTION 2 AREA 1 LOT 47 HOWARD COUNTY, MD

OWNER / DEVELOPER:  
THE HOWARD RESEARCH & DEVELOPMENT CORP.  
COLUMBIA MALL, INC.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

**DMW**  
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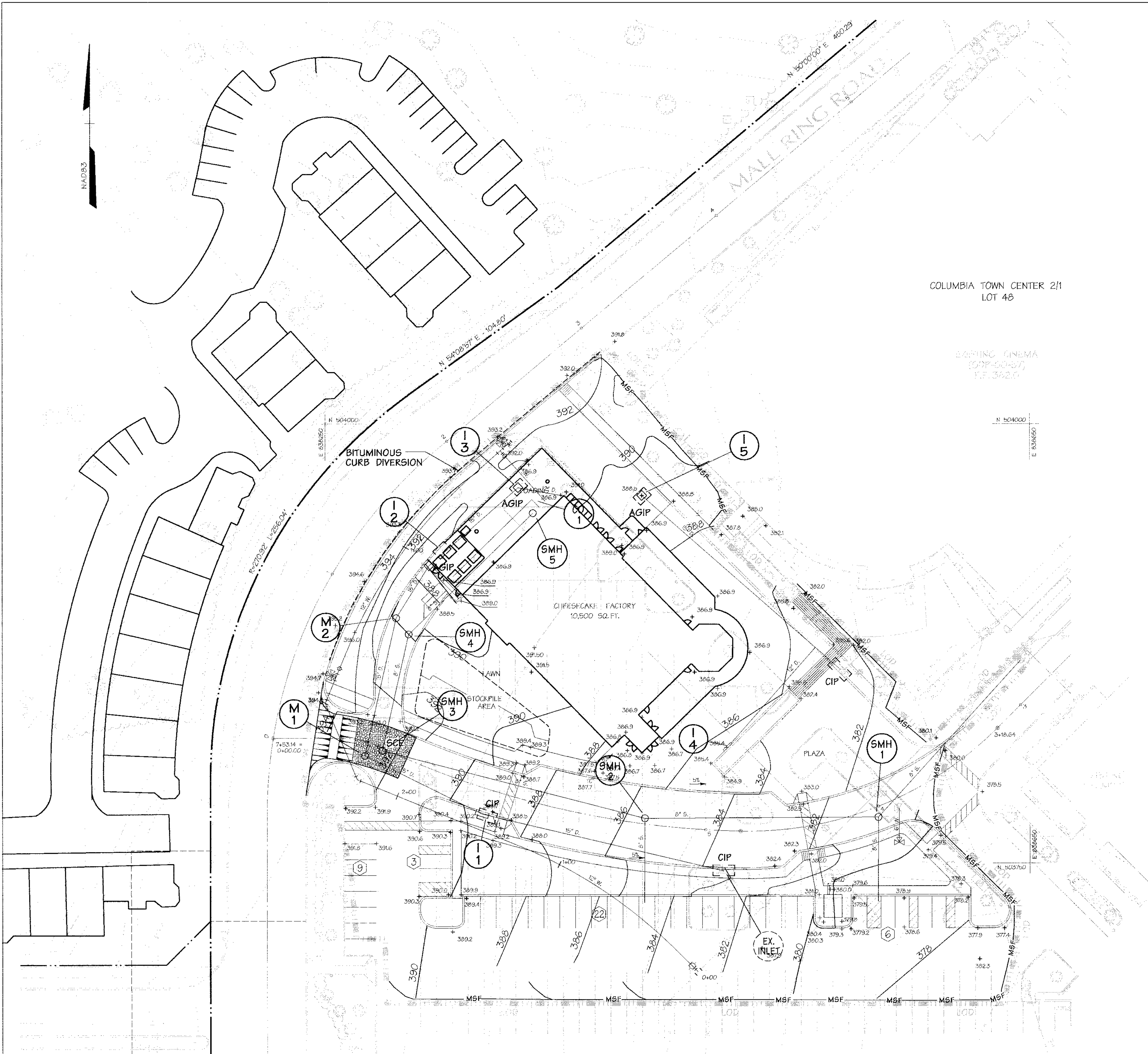
6-17-05  
Date

*[Signature]*

Professional Engr. No. 10551

6/30/05  
DATE

TITLE <b>PHASE VII SITE DEVELOPMENT PLAN DEMOLITION, PAVING PLAN, AND STORMDRAIN DRAINAGE AREA MAP</b>		
Des. By: MJP	Scale: 1" = 30'	Proj. No. 95019.65
Drn. By: WDE	Date: 06/06/2005	4 of 9
Chk. By:	Approved:	



### Sequence of Construction

SEQUENCE	NUMBER OF DAYS
1. OBTAIN GRADING AND BUILDING PERMITS	7
2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AND STABILIZE	7
3. WITH PERMISSION FROM THE EROSION AND SEDIMENT CONTROL INSPECTOR TO PROCEED MASS GRADE SITE, INSTALL UTILITIES, AND BEGIN BUILDING CONSTRUCTION	150
4. UPON COMPLETION OF THE BUILDING EXTERIOR WALLS, FINE GRADE SITE, INSTALL CURBS AND GUTTER, ROAD SUB BASE AND BASE COURSE PAVING, INSTALL PERMANENT STABILIZATION AND LANDSCAPING IN ALL NON-ROADWAY AREAS.	30
5. UPON APPROVAL OF THE EROSION AND SEDIMENT CONTROL INSPECTOR, REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES AND PERMANENTLY STABILIZE AREA DISTURBED BY THIS PROCESS.	5
6. INSTALL TOP COURSE OF PAVEMENT.	3

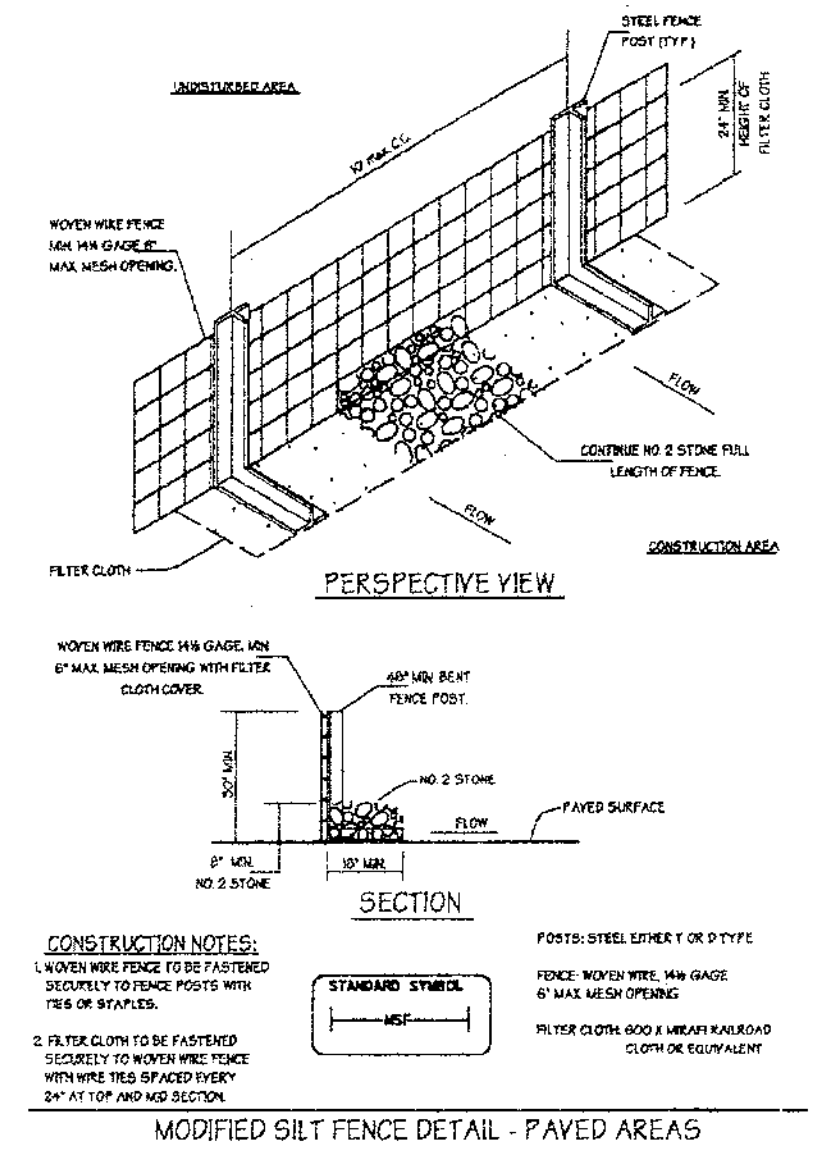
### Sediment Control General Notes

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (305-1005).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL (DISTURBED) OR RE-DISTURBED, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
  - A SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIPS, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1.
  - FORTY EIGHT DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAP/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (TOP PERMANENT BUILDINGS (S.E.C. 10), SOBS (S.E.C. 14), TEMPORARY SEEDING (S.E.C. 15), AND MULCHING (S.E.C. 16)). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED BLEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 

TOTAL AREA OF SITE	62.559 ACRES
AREA TO BE ROWED OR PAVED	2.3 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.3 ACRES
TOTAL CUH	600 CUBIC YARDS
TOTAL FILL	600 CUBIC YARDS
OFF-SITE WASH/BORROW AREA LOCATION WASH	NA
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL PRACTICES AND VEGETATIVE STABILIZATION OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE (3) FEET LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

### Utility Construction Outside Sediment Control

- EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON UPSTREAM SIDE OF TRENCH.
- IMMEDIATELY FOLLOWING PIPE INSTALLATION, THE TRENCH SHALL BE BACKFILLED, COMPACTED AND IMMEDIATELY STABILIZED (MULCHED, SEED, AND/OR SODDED MECHANICAL STABILIZATION) AT THE END OF EACH WORK DAY.
- SILT FENCE SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED LONGER THAN ONE (1) WORKING DAY. (SILT FENCE AS PER SCS STANDARD DRAWING - E-15-2)
- THE CONTRACTOR SHALL DISTURB AND OPEN TRENCH THE MINIMUM PRACTICAL AREA REQUIRED TO ACCOMPLISH THE WORK DESIGNATED FOR EACH DAY.
- ALL SEDIMENT AND EROSION CONTROL PRACTICES AND VEGETATIVE STABILIZATION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS. ANY EROSION AND SEDIMENT CONTROL PRACTICES DAMAGED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.



### LEGEND

---	EX. CONTOUR
---	EX. WATER
---	EX. SANITARY SEWER
---	EX. STORM DRAIN
---	EX. GAS
---	EX. EDGE OF ROAD
---	PROP. CONTOUR
---	PROP. WATER
---	PROP. SANITARY SEWER
---	PROP. STORM DRAIN
---	PROP. TELEPHONE
---	PROP. ELECTRIC
---	PROP. GAS
---	6" STANDARD COMB. C&S
---	PROPOSED L.O.D.
---	PROP. EDGE OF ROAD
---	EX. BUILDING
---	PROP. BUILDING
---	INLET PROTECTION
---	STABILIZED CONST. ENT.
---	MOUNTABLE BERM
---	BITUMINOUS CURB DIVERSION
---	SILT FENCE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*Robert J. Wilson* 6/29/05  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
*John W. Williams* 6/29/05  
CHIEF, DEVELOPING ENGINEERING DIVISION MK DATE

*John W. Williams* 6/29/05  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*John W. Williams* 6/29/05  
DIRECTOR DATE

Date No. Revision Description

THE MALL IN COLUMBIA  
PROPOSED RESTAURANT  
PHASE VII  
COLUMBIA TOWN CENTER  
SECTION 2 AREA 1  
LOT 47  
HOWARD COUNTY, MD

OWNER / DEVELOPER:  
THE HOWARD RESEARCH & DEVELOPMENT CORP.  
COLUMBIA MALL, INC.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

**DMW**  
Duff-McCune-Walker, Inc.  
200 East Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 296-3333  
Fax 296-4705

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

**DEVELOPER'S CERTIFICATION:**  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE OF A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John W. Williams* 6/16/05  
SIGNATURE OF DEVELOPER DATE

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

*John W. Williams* 6-17-05  
SIGNATURE OF ENGINEER DATE

*John W. Williams, Jr.*  
PRINT NAME BELOW SIGNATURE

REVIEWED FOR HOWARD S.C.D. AND MDC'S TECHNICAL REQUIREMENTS

*Jim M. ...* 6/28/05  
U.S. NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS TO BE PROVIDED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John R. ...* 6/28/05  
HOWARD S.C.D. DATE

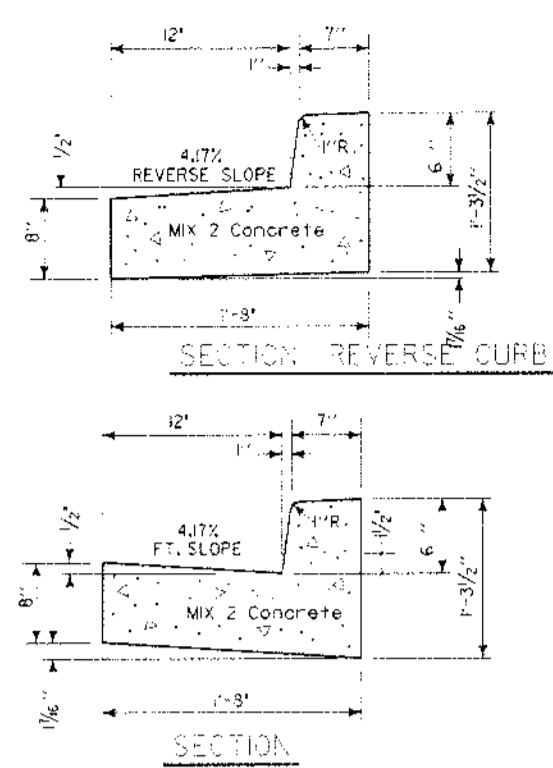
UTILITIES OUTSIDE PROPOSED EBC MEASURES SHALL BE CONSTRUCTED USING "UTILITY CONSTRUCTION OUTSIDE SEDIMENT CONTROL" NOTE FOUND ON THIS SHEET

6-17-05  
Date

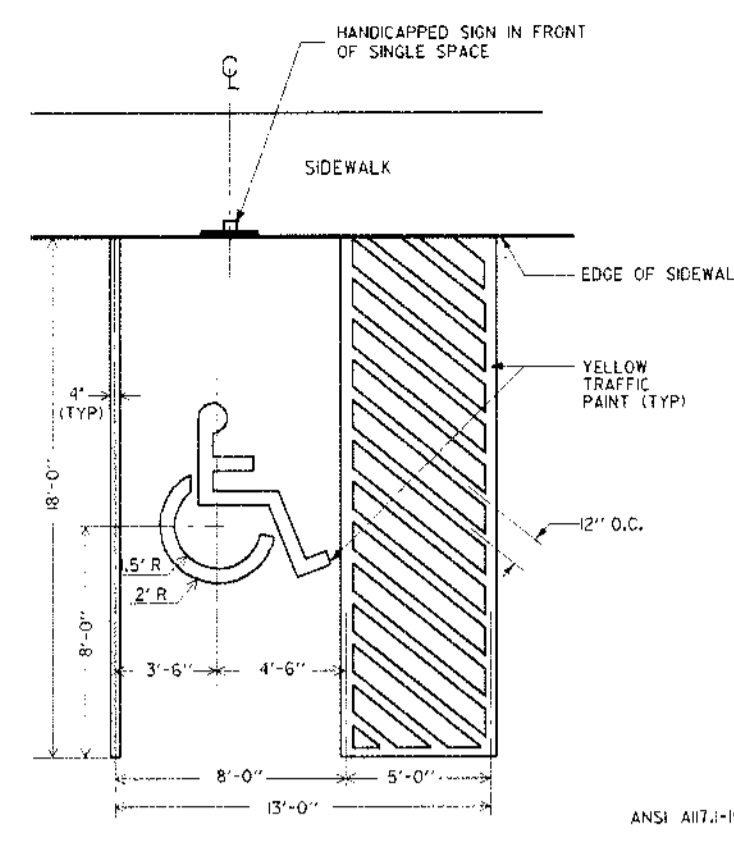
Professional Engr. No. 10551

TITLE  
**PHASE VII  
SITE DEVELOPMENT PLAN  
EROSION AND SEDIMENT CONTROL PLAN**

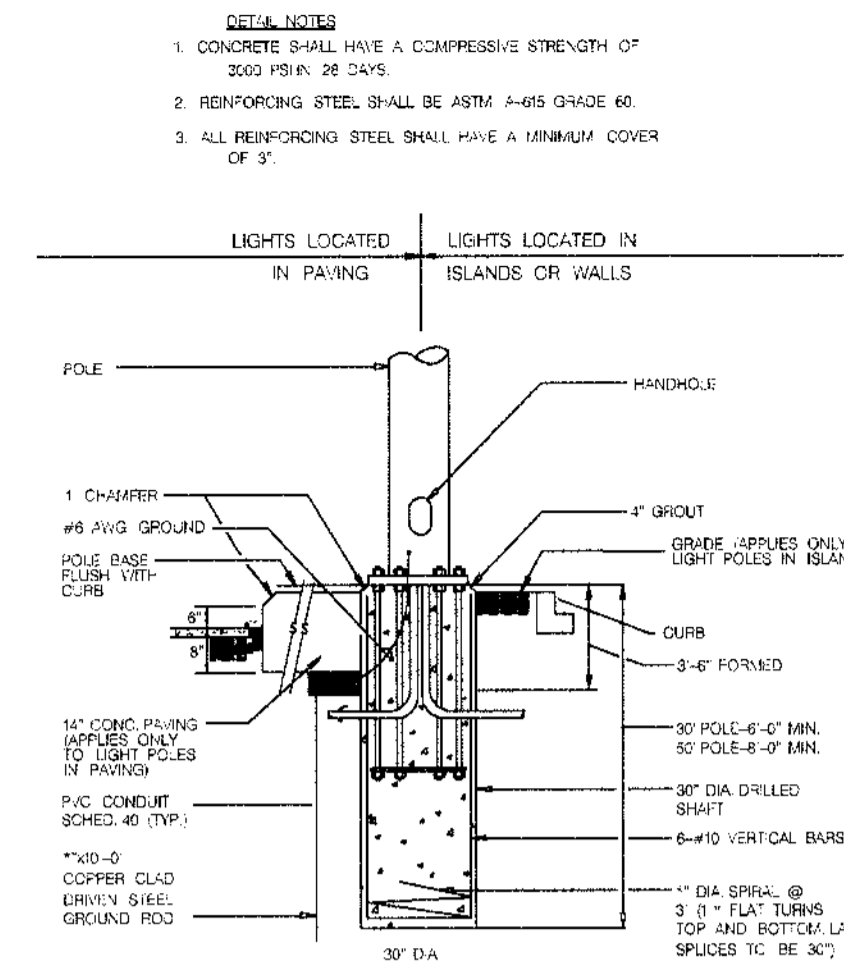
Des. By MJP Scale 1 = 30' Proj. No. 95019.BB  
Dm. By WDE Date 06/06/2005  
Chk. By Approved 5 of 9



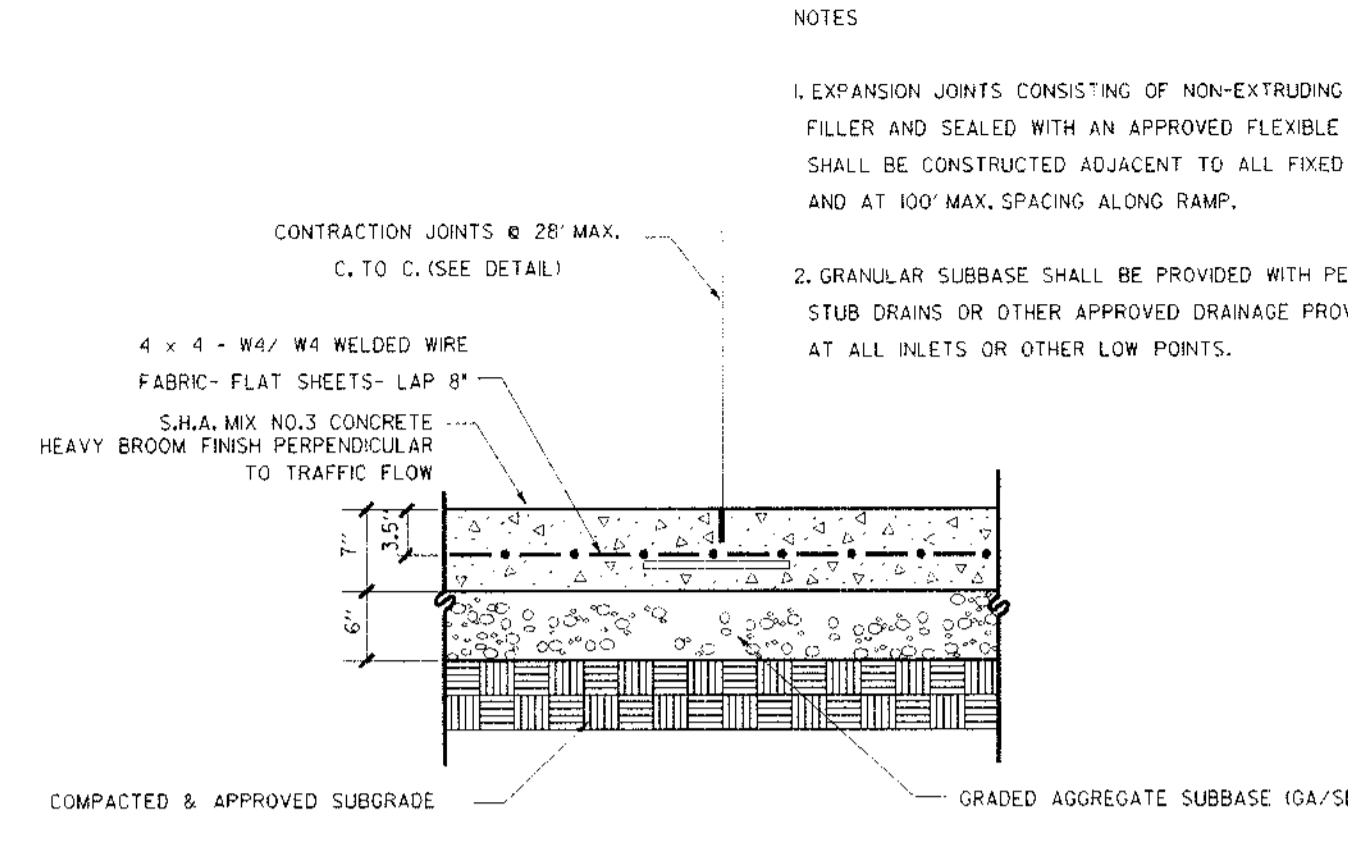
**Concrete Curb & Gutter**  
Not To Scale



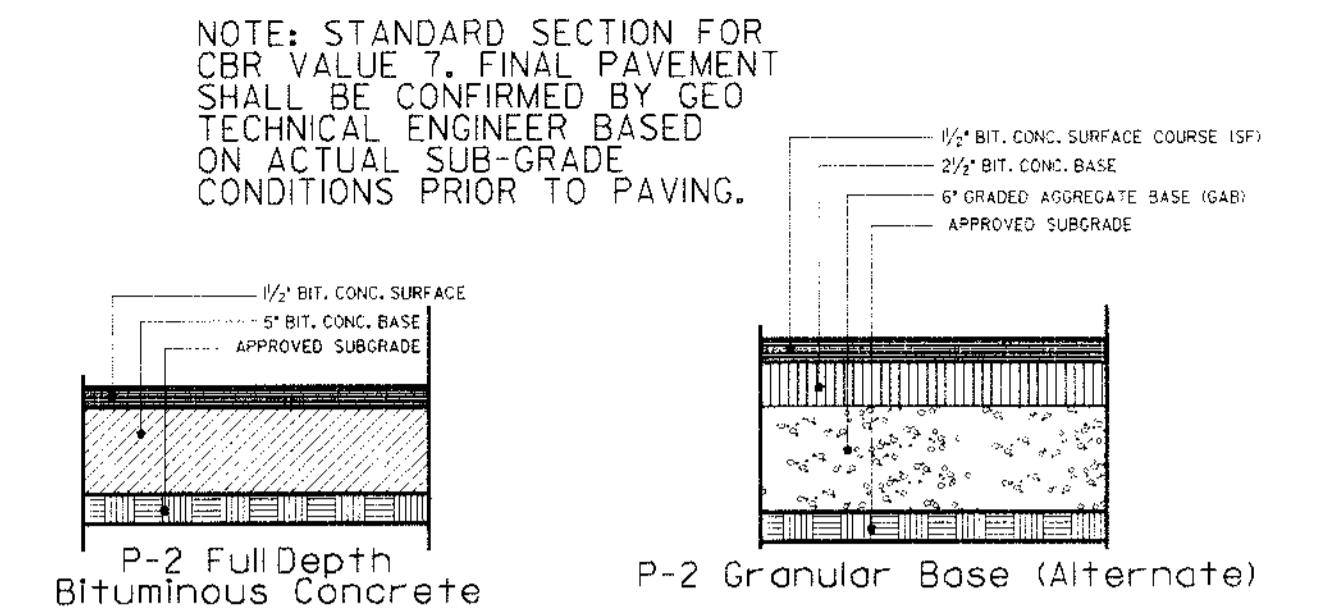
**Handicapped Parking Space**  
Not To Scale



**Pole Base Detail**  
Not To Scale

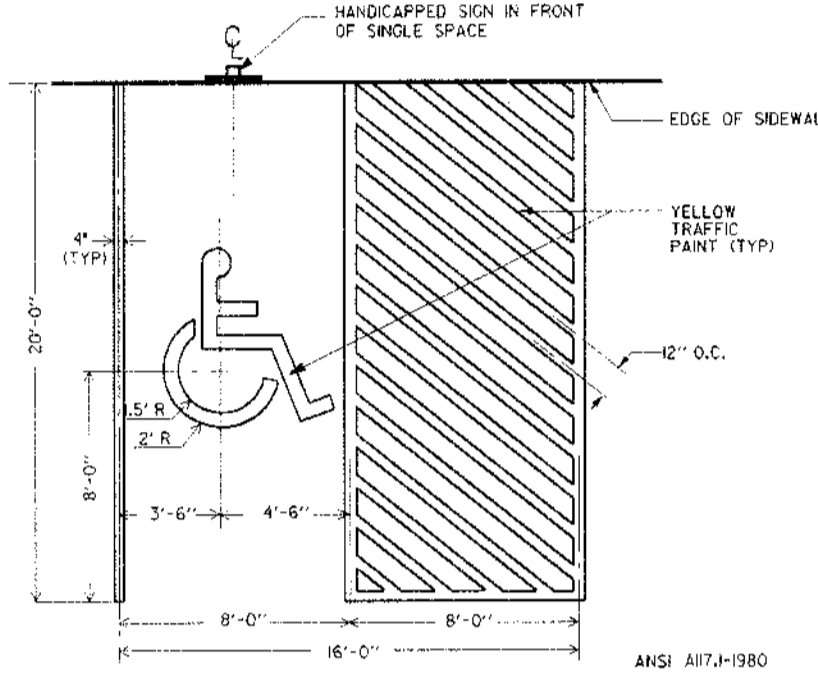
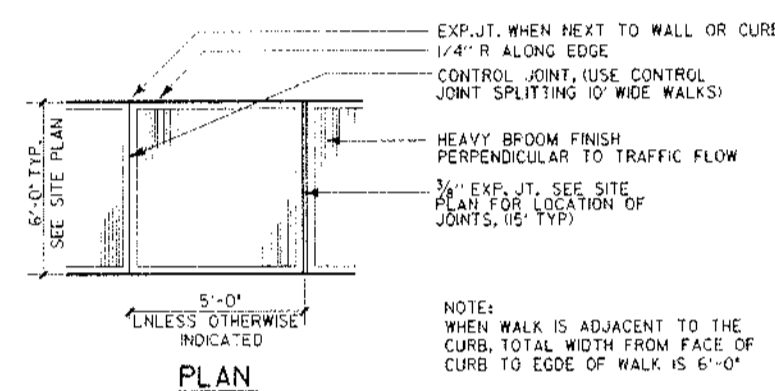


**Ramp/Loading Dock Concrete Paving**  
Not To Scale

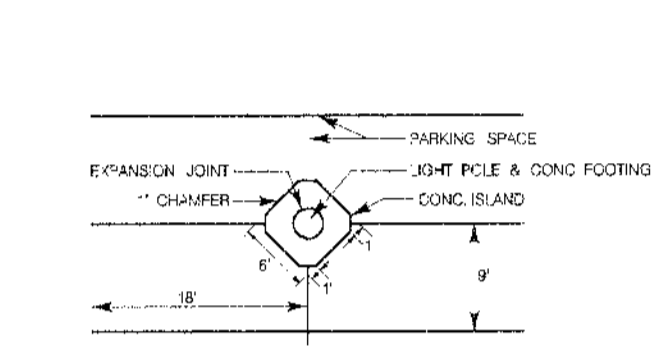


**Typical Paving Section (P-2)**  
Not To Scale

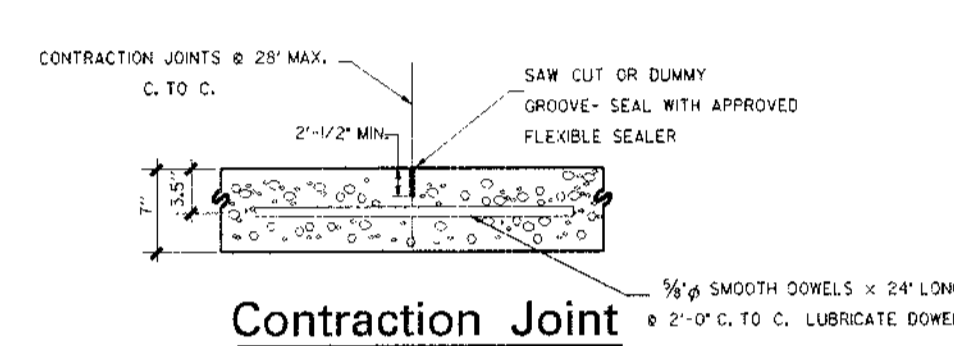
- NOTES:
1. PREFORMED BITUMINOUS EXPANSION MATERIAL OR EXPANSION JOINTS TO BE KEPT 1/2" BELOW SURFACE OF SIDEWALK.
  2. CONCRETE TO BE MIX NO. 2.
  3. WHEN SIDEWALK ABUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB.
  4. CONCRETE WALK WITHIN 6' OF BUILDING SHALL HAVE 6" OF #61 STONE OR APPROVED EQUAL AS A BASE COURSE.



**Handicapped Van Parking Space**  
Not To Scale

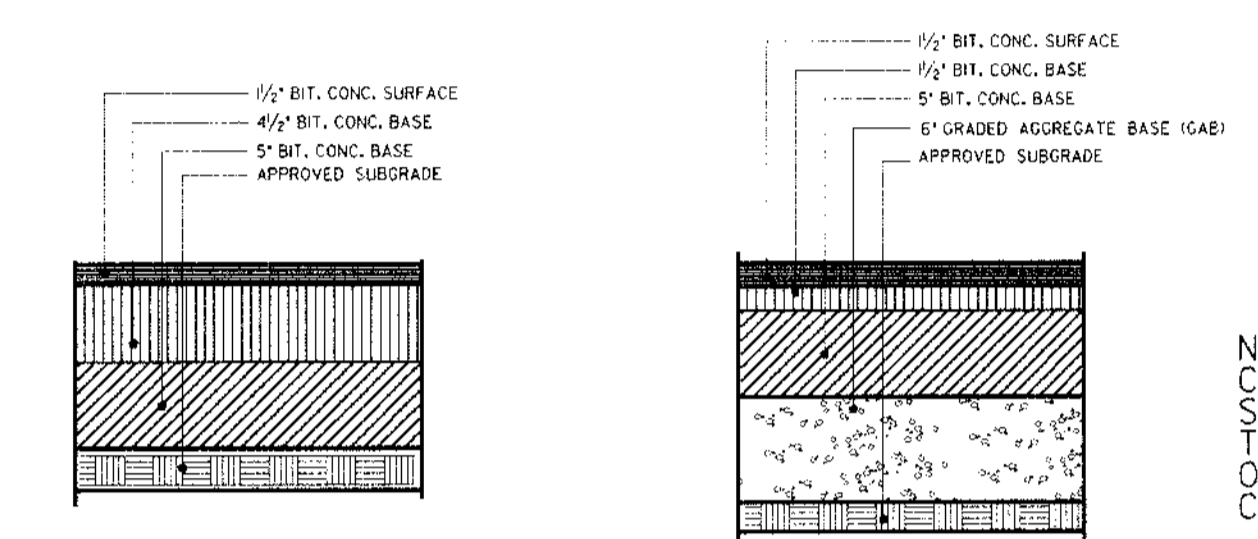


**Pole Base Detail**  
Not To Scale



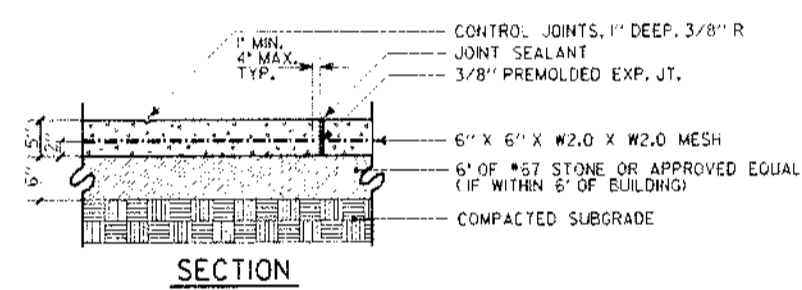
**Contraction Joint**  
Not To Scale

**Rigid Pavement Details**  
by The Robert B. Balter Company  
(Geotechnical Engineers) 7-21-98

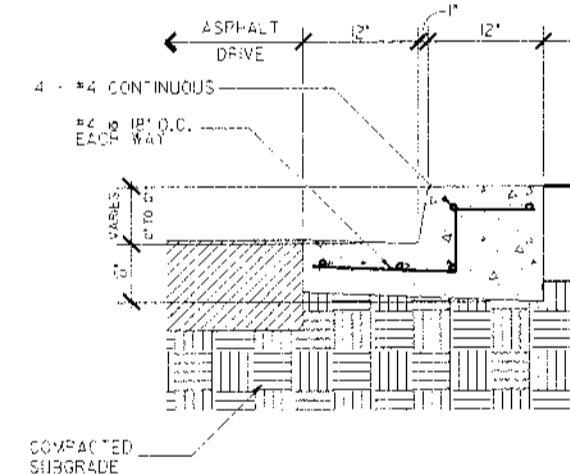


**Typical Paving Section (P-5)**  
Not To Scale

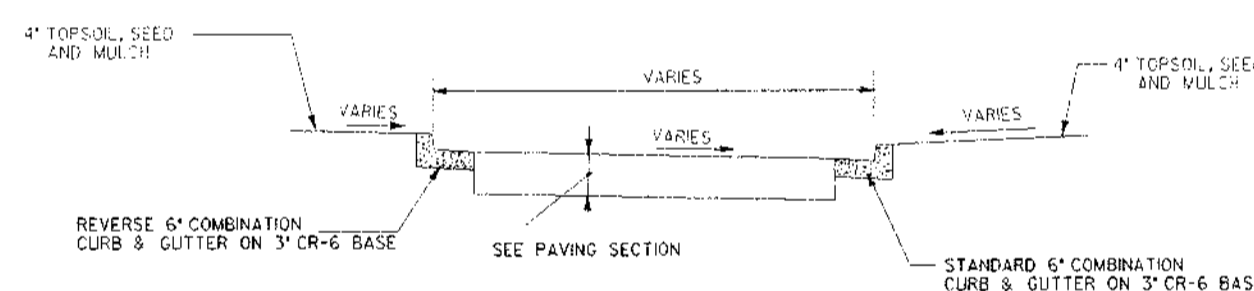
NOTE: STANDARD SECTION FOR CBR VALUE 7. FINAL PAVEMENT SHALL BE CONFIRMED BY GEO TECHNICAL ENGINEER BASED ON ACTUAL SUB-GRADE CONDITIONS PRIOR TO PAVING.



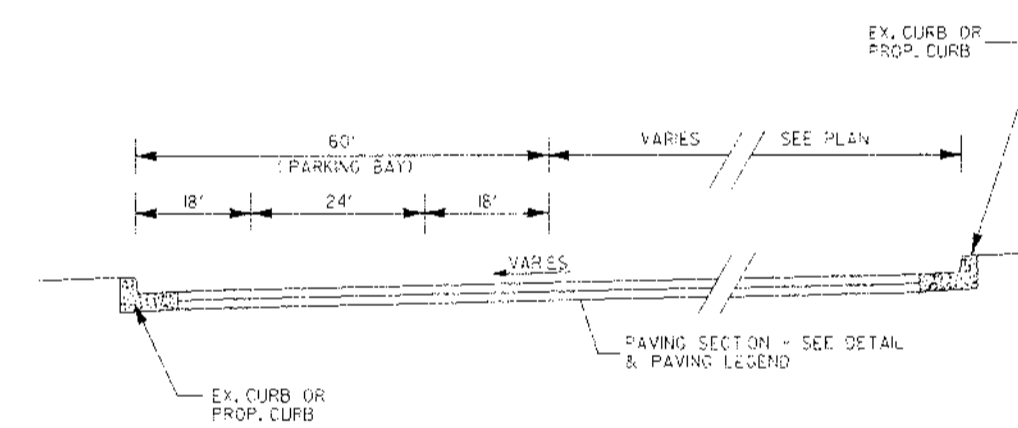
**Concrete Walk**  
Not To Scale



**1' Wide Concrete Curb Detail**  
Not To Scale

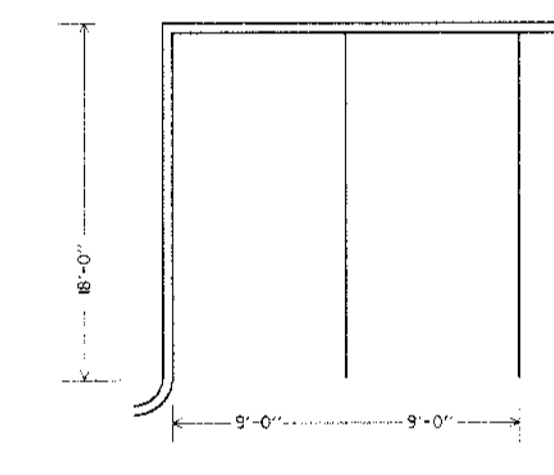


**Typical Section Ring Road (Private Drive)**  
Not To Scale

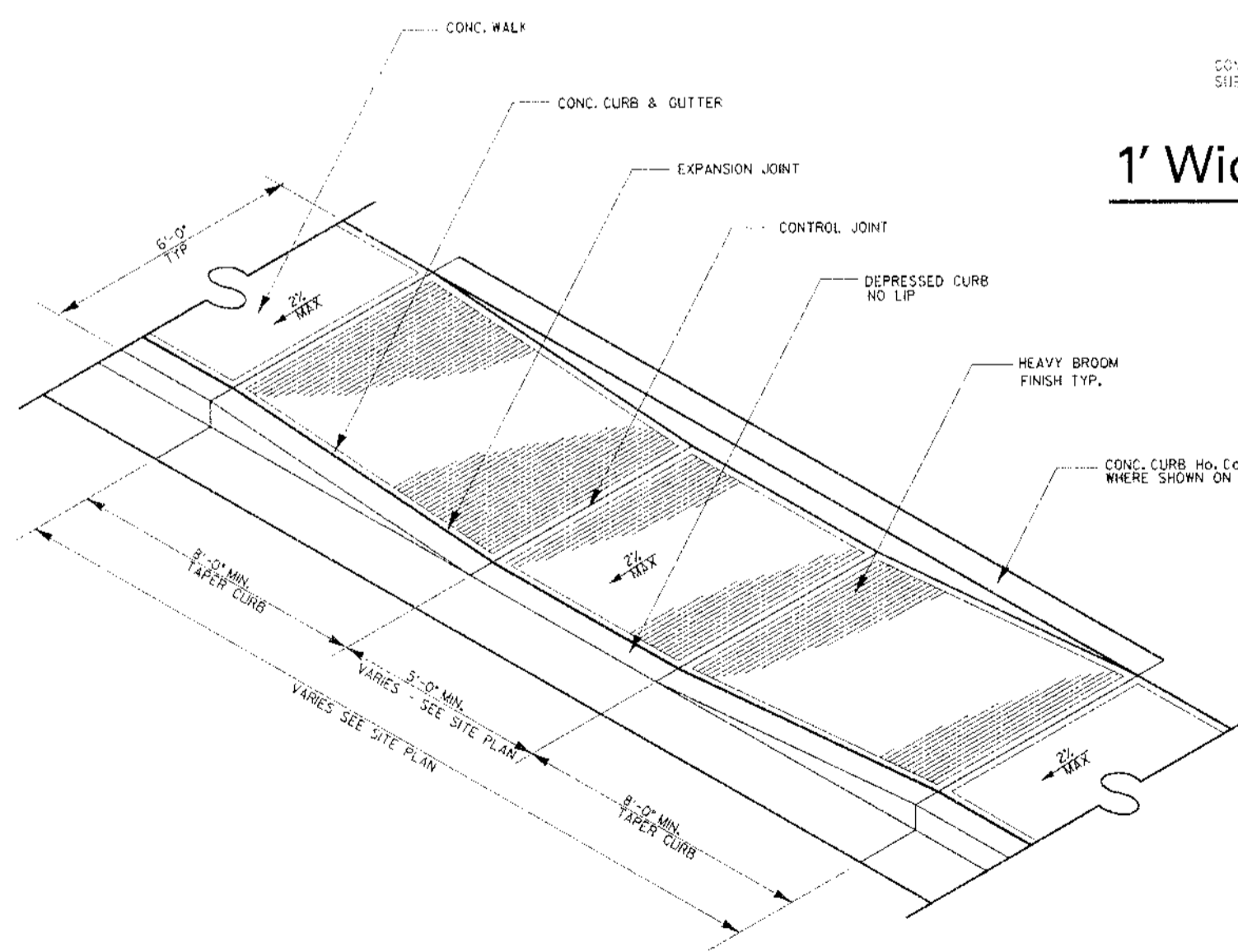


**Typical Section Private Parking**  
Not To Scale

**Standard Parking Space**  
Not To Scale

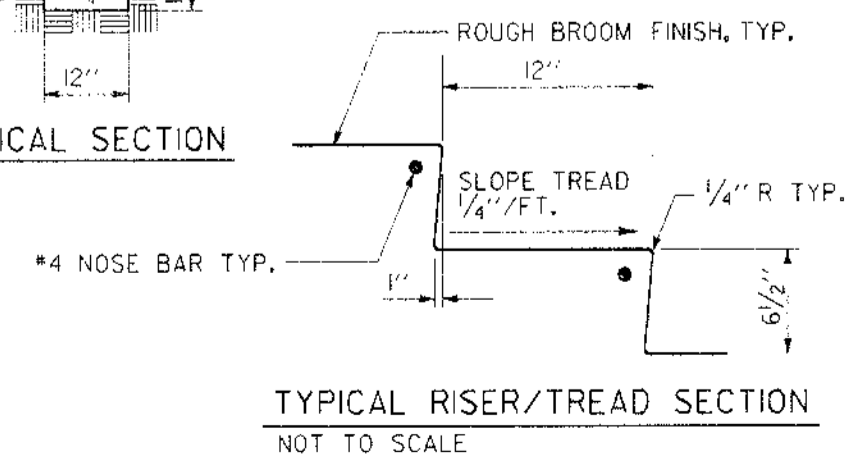
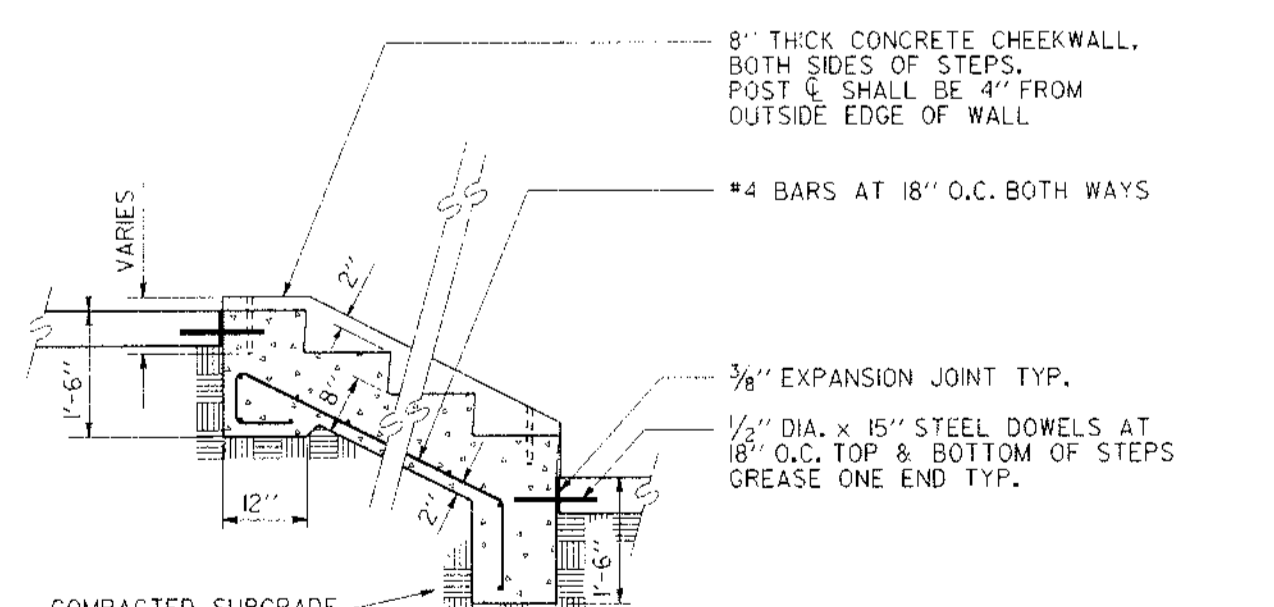


DATE: 6-8-05  
VS



ISOMETRIC

**Handicapped Ramp - A**  
Not To Scale



**Concrete Steps**  
Not To Scale

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
Robert J. Walker  
COUNTY HEALTH OFFICER  
DATE: 6-17-05

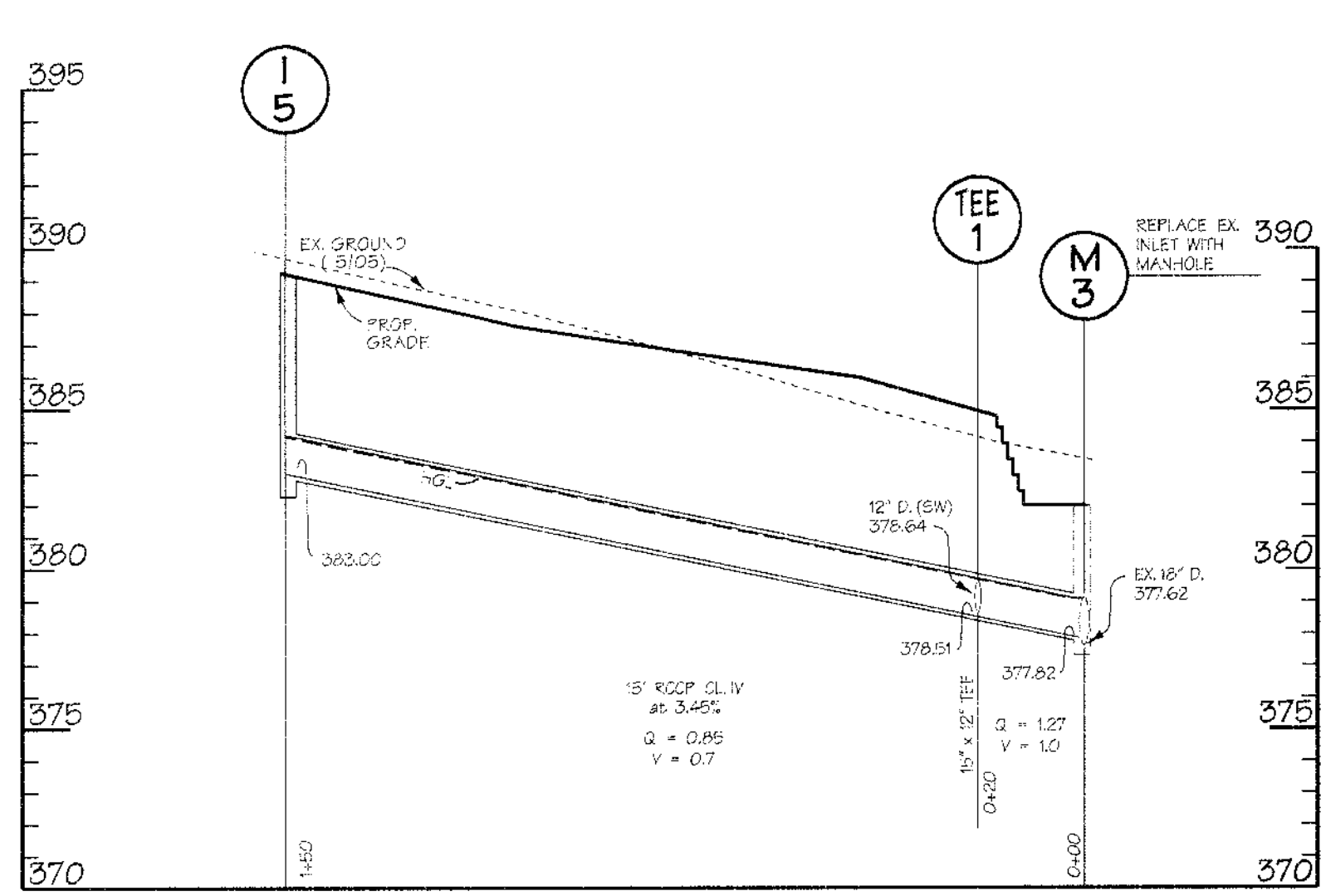
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
DATE: 6/25/05  
DATE: 6/28/05  
DATE: 6/23/05

THE MALL IN COLUMBIA PROPOSED RESTAURANT  
PHASE VII COLUMBIA TOWN CENTER SECTION 2 AREA 1 LOT 47 HOWARD COUNTY, MD  
OWNER / DEVELOPER: THE HOWARD RESEARCH & DEVELOPMENT CORP. COLUMBIA MALL, INC. 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044

DMW  
Date: 6-17-05

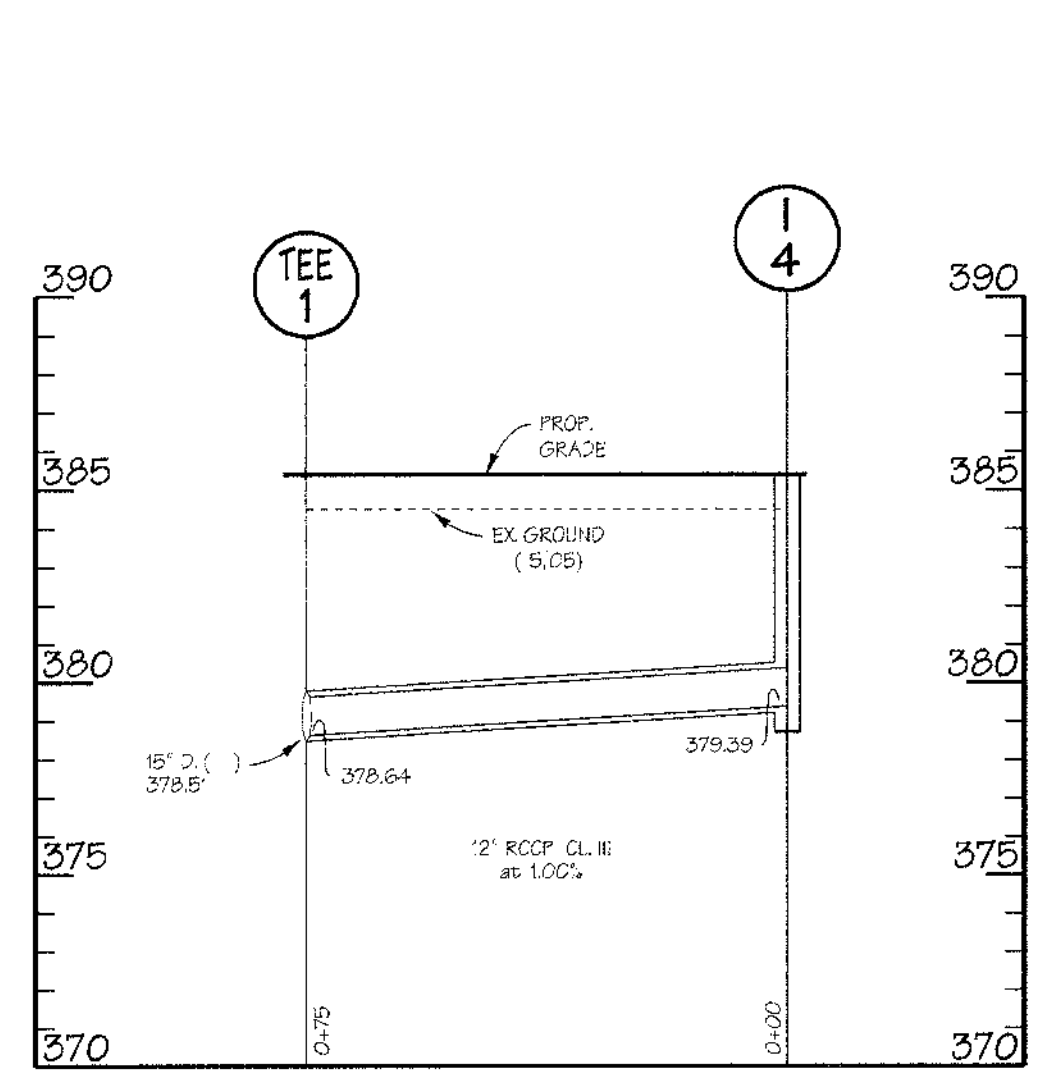
TITLE: PHASE VII SITE DEVELOPMENT PLAN SITE DETAILS

Des By	MJP	Scale	AS SHOWN	Proj. No.	95019.BB
Dwn By	CH	Date	06/06/2005		
Chk By	JWR	Approved			6 OF 9



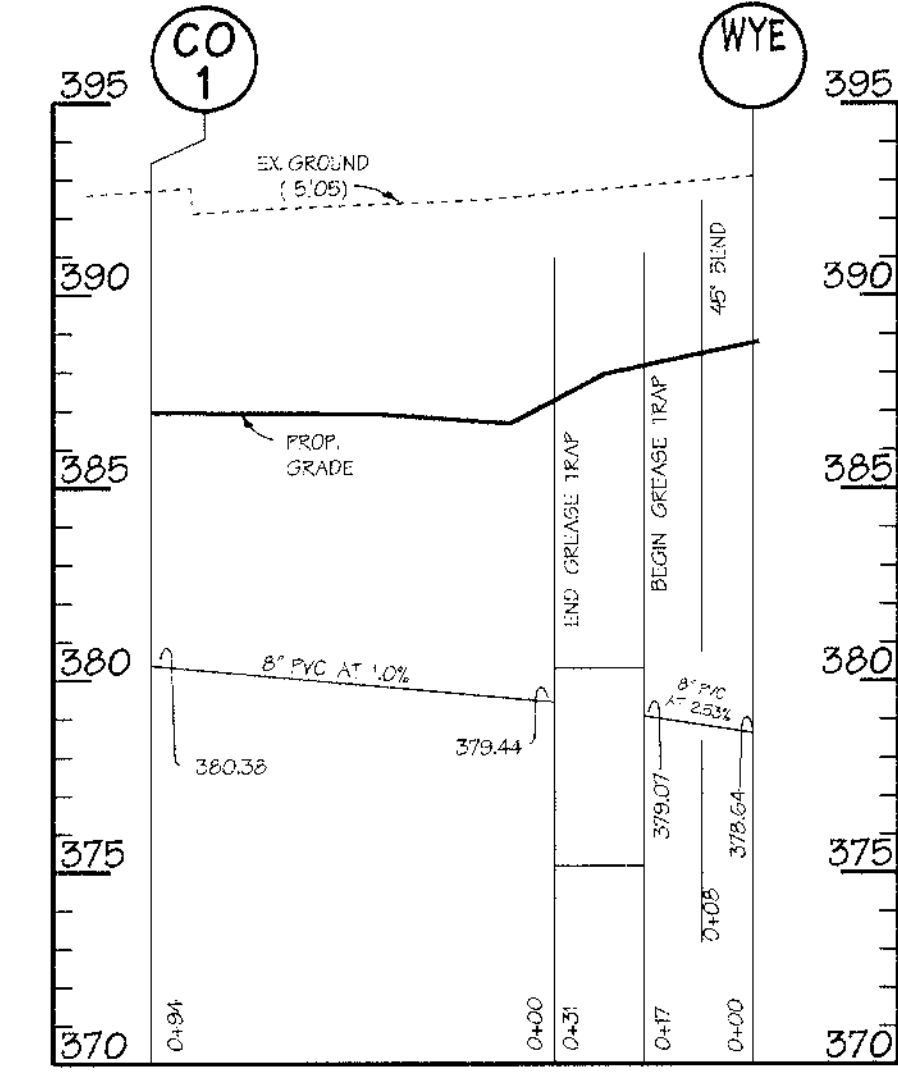
**STORM DRAIN PROFILE**

SCALE: HORIZ. - 1"=30'  
VERT. - 1"=5'



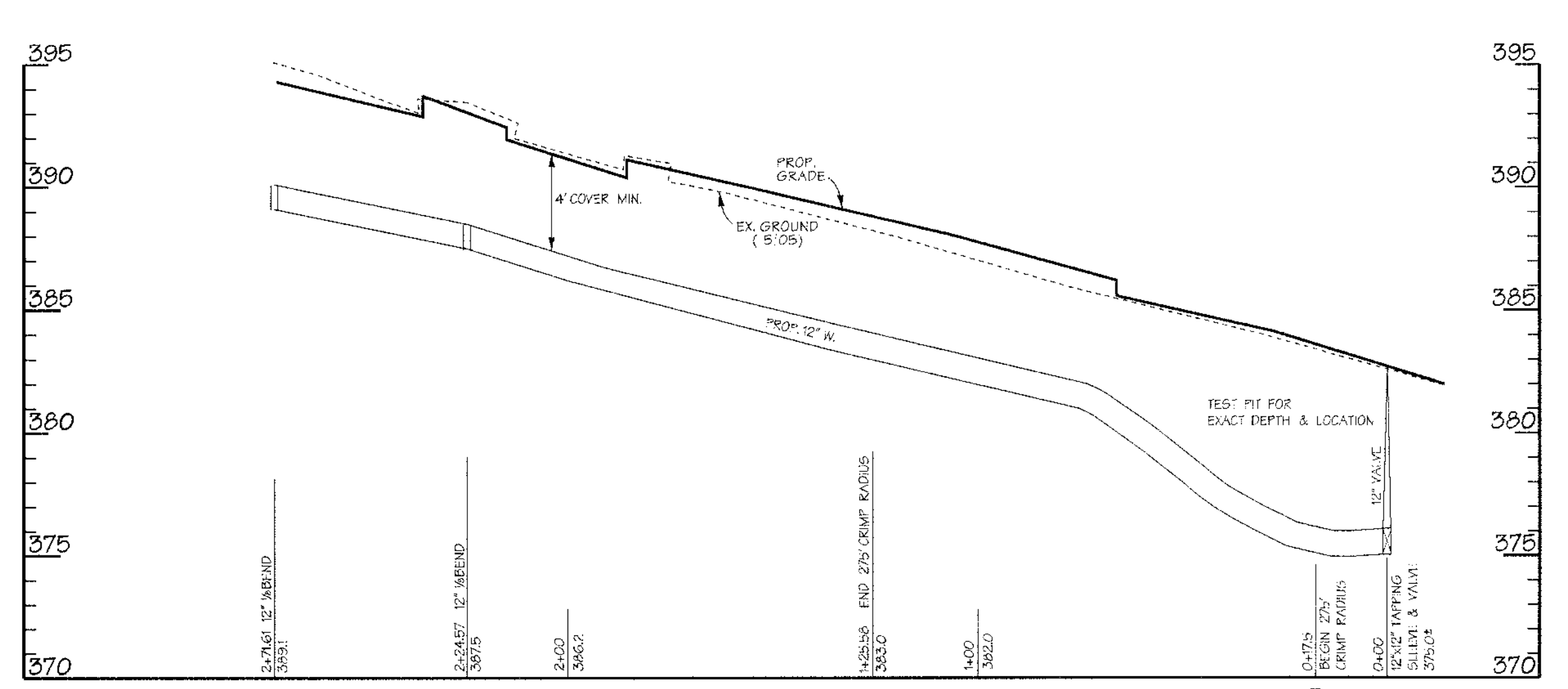
**STORM DRAIN PROFILE**

SCALE: HORIZ. - 1"=30'  
VERT. - 1"=5'



**SANITARY SEWER PROFILE**

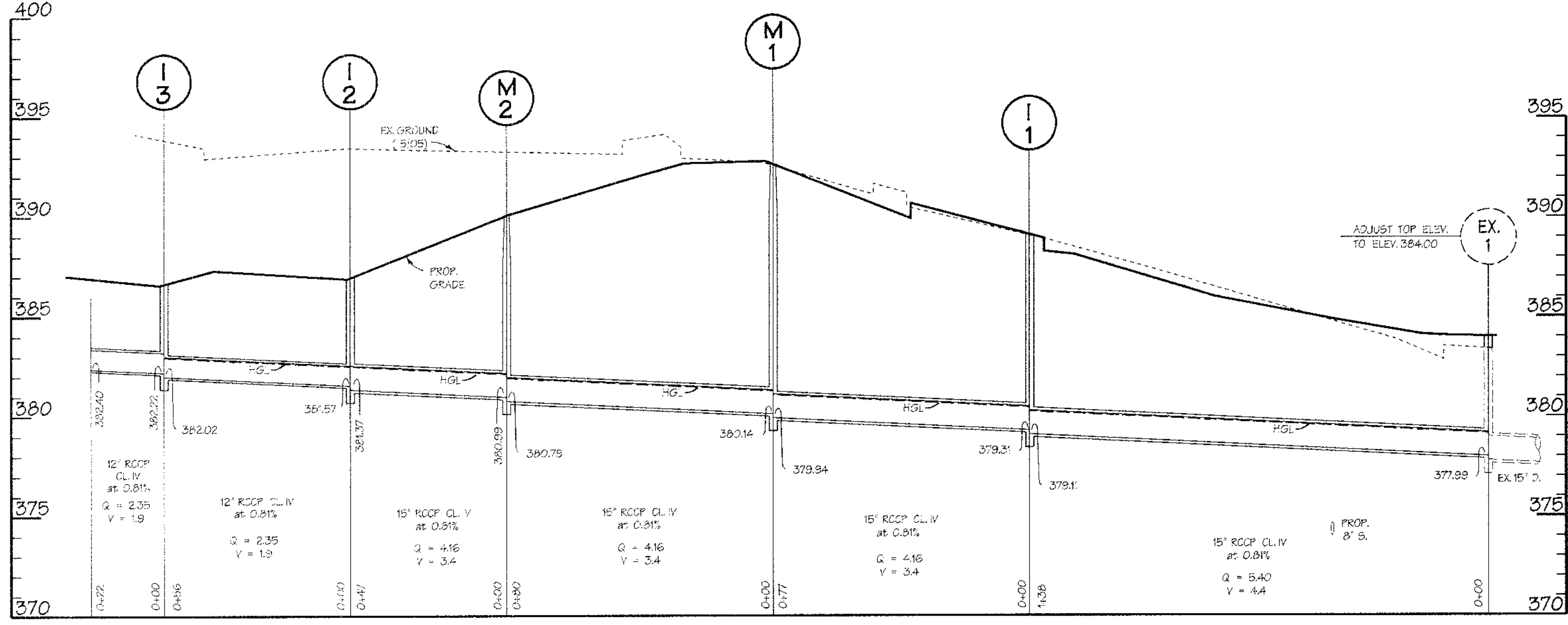
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VERT. - 1"=5'



**WATER PROFILE**

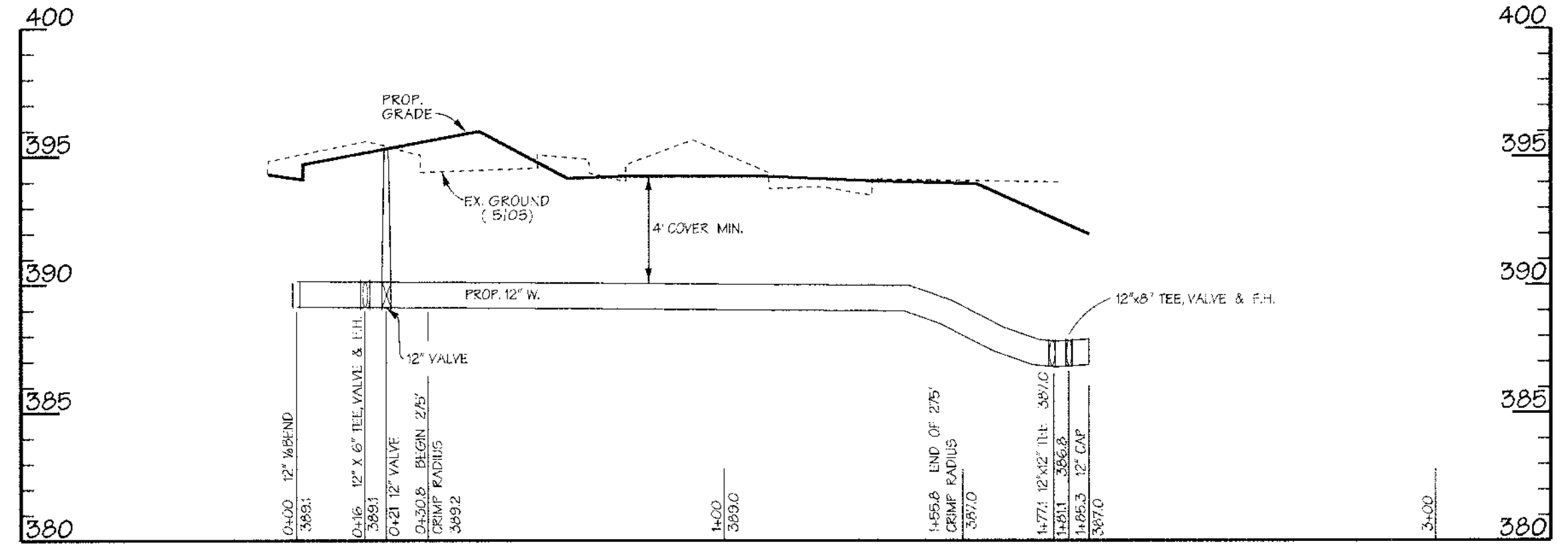
SCALE: HORIZ. - 1"=30'  
VERT. - 1"=5'

PROFILE A



**STORM DRAIN PROFILE**

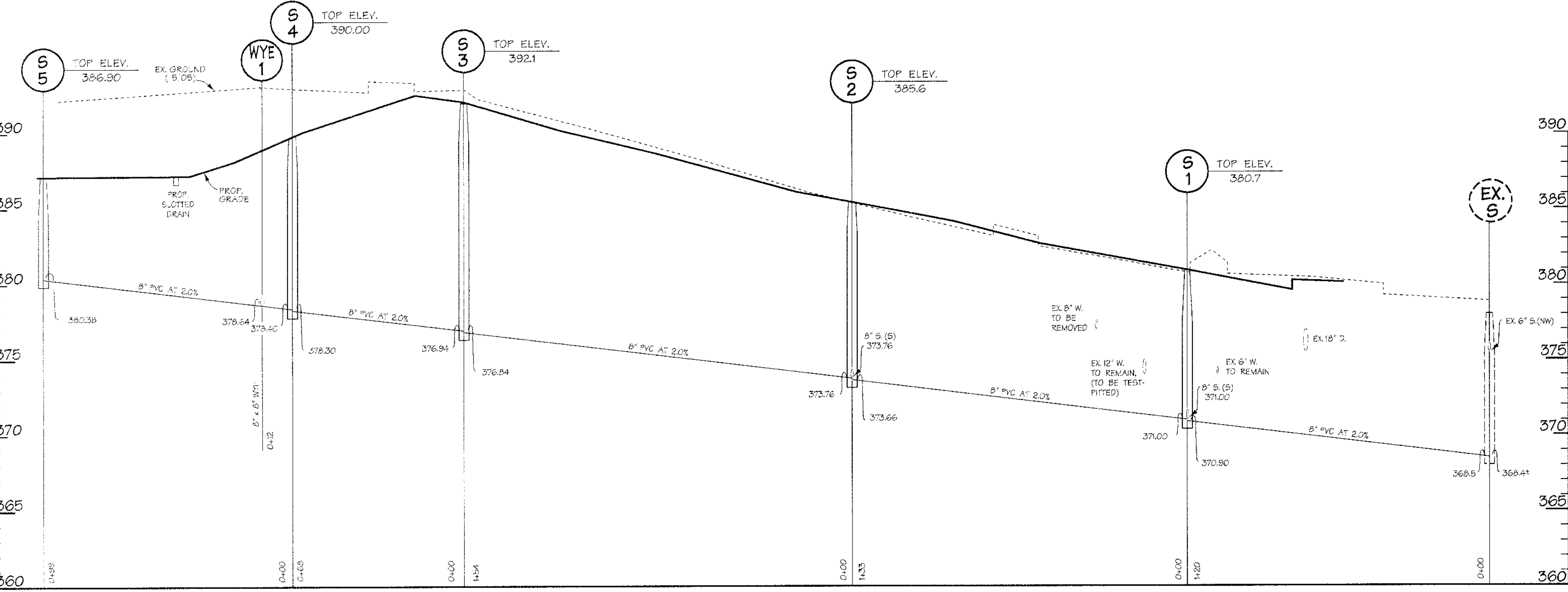
SCALE: HORIZ. - 1"=30'  
VERT. - 1"=5'



**WATER PROFILE**

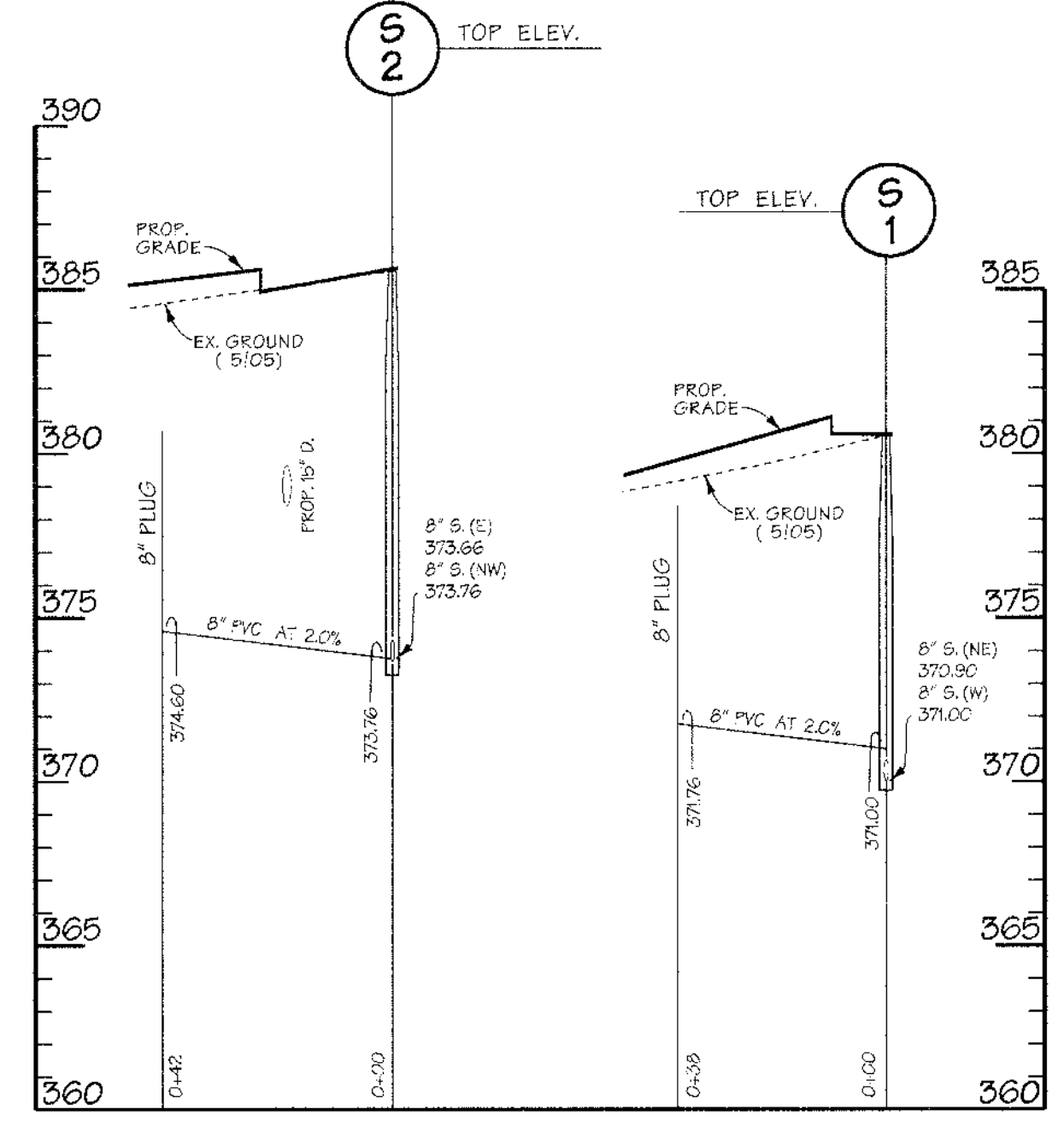
SCALE: HORIZ. - 1"=30'  
VERT. - 1"=5'

PROFILE B



**SANITARY SEWER PROFILE**

SCALE: HORIZ. - 1"=30'  
VERT. - 1"=5'



**APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.**

APPROVED: *Robert J. Walker* 6/30/05  
COUNTY HEALTH OFFICER SFO DATE

6-17-05  
Date

Professional Engr. No. 10551

6-8-05  
Date

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	
<i>Michael J. ...</i>	6/29/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION MK	DATE
<i>... ..</i>	6/29/05
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
<i>... ..</i>	6/29/05
DIRECTOR	DATE

Revision Description

**THE MALL IN COLUMBIA PROPOSED RESTAURANT**  
COLUMBIA TOWN CENTER  
SECTION 2 AREA 1 LOT 47  
HOWARD COUNTY, MD

OWNER / DEVELOPER:  
THE HOWARD RESEARCH & DEVELOPMENT CORP.  
COLUMBIA MALL, INC.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

**DMW**  
Duff-McCune-Walker, Inc.  
200 East Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 296-3333  
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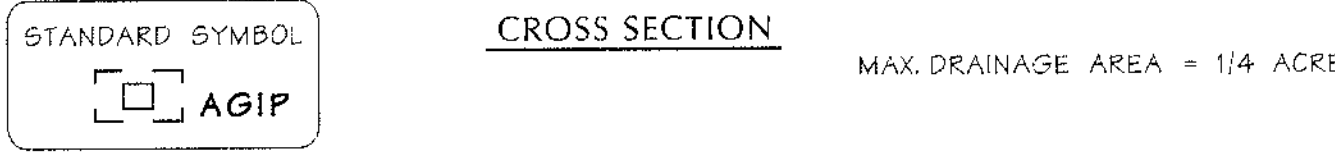
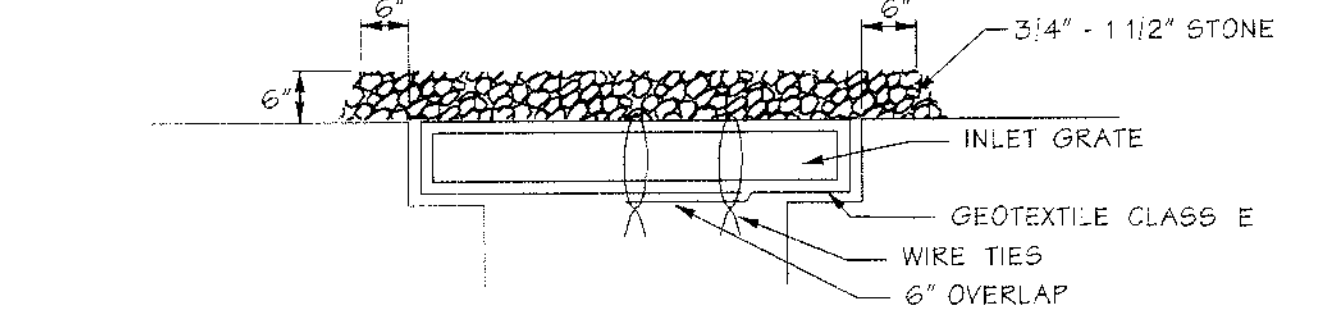
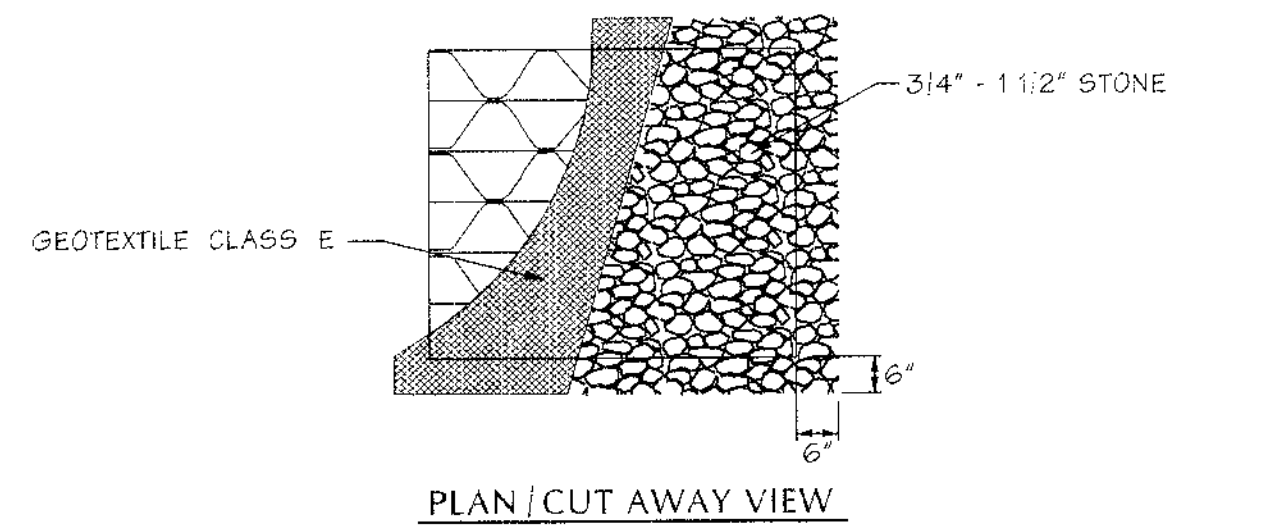
TITLE <b>STORM DRAIN, WATER AND SEWER PROFILES</b>			
Des By	RLH	Scale	1"=30' H. 1"=5' V.
Drn By	KDE	Date	06/08/2005
Chk By	RLH	Approved	7 OF 9
Proj. No.		9501988	

INLET SCHEDULE						
NO.	TYPE	INV. OUT	TOP ELEV.	DETAIL	WIDTH	LOCATION
1-1	A-B	379.11	388.7	SD 4.01	2'-6"	STA. 6+22.1
1-2	SEE PLAN	381.37	386.8	---	---	SEE PLAN
1-3	"S" INLET	382.02	386.6	SD 4.22	2'-7 1/2"	N 503,963.7 E 838,389.6
1-4	SEE PLAN	379.39	---	---	---	SEE PLAN
1-5	"S" INLET	383.0	389.3	SD 4.22	2'-7 1/2"	N 503,959.2 E 838,429.8

STORM DRAIN MANHOLE SCHEDULE						
NO.	TYPE	SIZE	INV. OUT	TOP ELEV.	DETAIL	LOCATION
M-1	STD. MH	48"	379.94	392.75	G 5.12	STA. 6+98.3 - 7.9' LT.
M-2	STD. MH	48"	380.79	389.9	G 5.12	N 503,889.5 E 838,290.3
M-3	STD. MH	48"	377.82	382.00	G 5.12	SEE PLAN

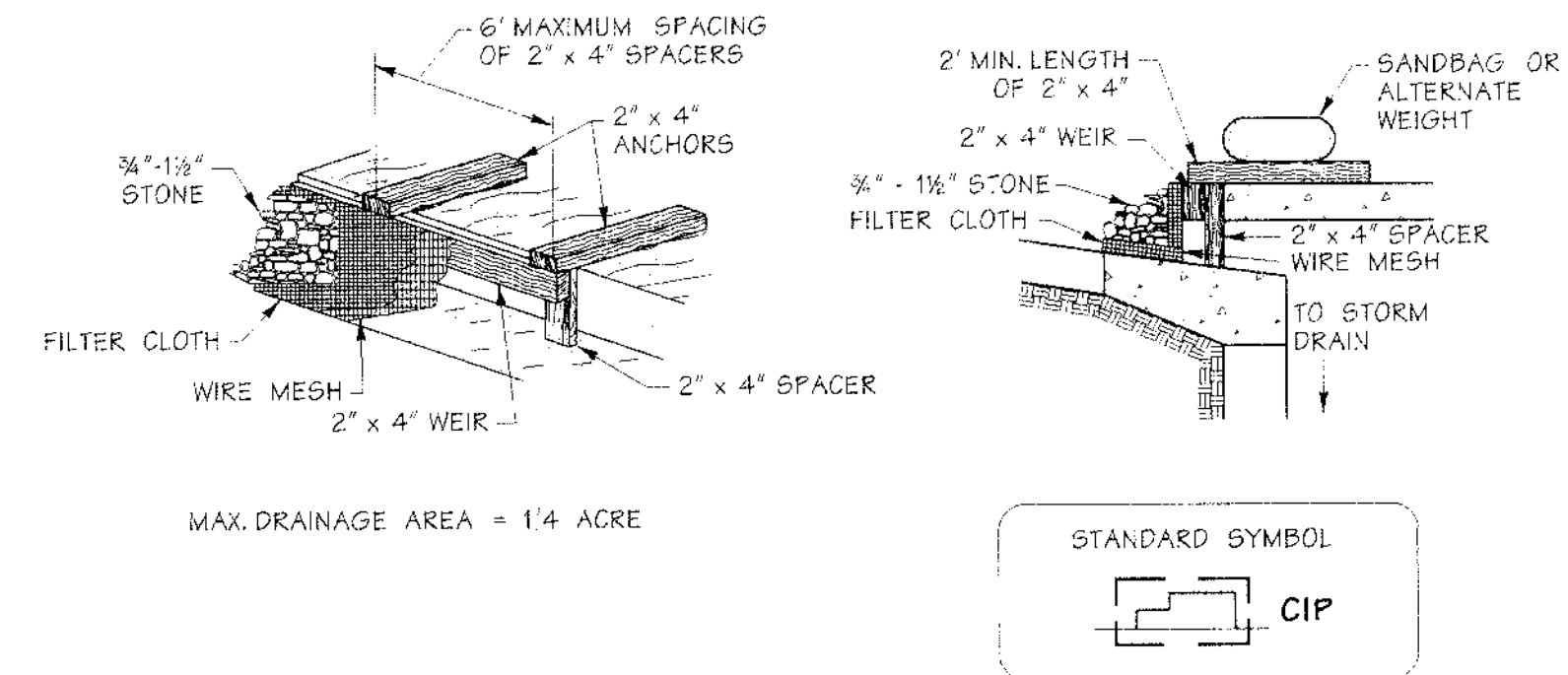
PROPOSED SANITARY	
NO.	LOCATION
S-1	STA. 04+02.2 - 5.6' LT.
S-2	STA. 05+35.0 - 3.2' RT.
S-3	STA. 06+89.7 - 1.3' LT.
S-4	N 503,880.3 E 838,297.4
S-5	N 503,949.2 E 838,368.0

PROPOSED 12" WATER		
STATION	STRUCTURE	LOCATION
0+00	12"x12" TEE	TEST PIT
0+17.5	BEGIN 275' CRIMP RADIUS	STA. 8+11 - 69.5' LT.
1+25.6	END 275' CRIMP RADIUS	STA. 6+01 - 26.0' LT.
2+24.57	12" 1/2 BEND	STA. 6+98 - 22.1' LT.
2+71.61	12" 1/2 BEND	STA. 0+27 - 24.8' RT. RING ROAD
0+00	12" 1/2 BEND	2+71.61 PROFILE A
0+30.8	BEGIN 275' CRIMP RADIUS	STA. 0+61 - 26.9' RT. RING ROAD
1+55.8	END 275' CRIMP RADIUS	STA. 1+99 - 24.3' RT. RING ROAD
1+85.3	END 12" WATER	STA. 2+28 - 23.5' RT. RING ROAD



**CONSTRUCTION SPECIFICATIONS**

1. LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS. THEN SET GRATE BACK IN PLACE.
2. PLACE 3/4" TO 1 1/2" STONE, 4"-6" THICK ON THE GRATE TO SECURE THE FABRIC AND PROVIDE ADDITIONAL FILTRATION.



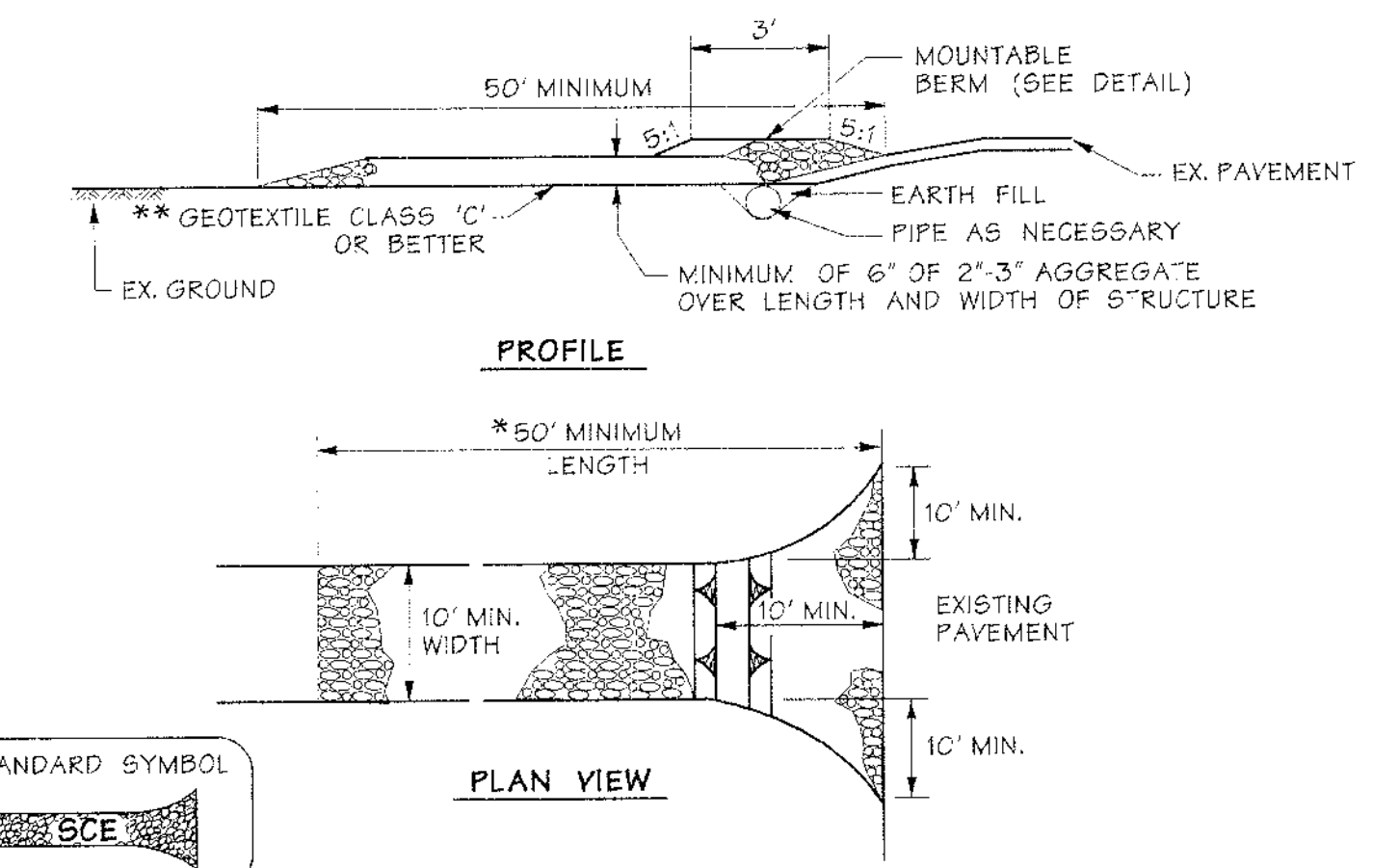
**CONSTRUCTION SPECIFICATIONS**

1. ATTACH A CONTINUOUS PIECE OF 1/2" x 1/2" WIRE MESH (30" MINIMUM WIDTH BY THROAT LENGTH PLUS 4") TO THE 2" x 4" WEIR (MEASURING THROAT LENGTH PLUS 2") AS SHOWN ON THE STANDARD DRAWING.
2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2" x 4" WEIR.
3. SECURELY NAIL THE 2" x 4" WEIR TO A 9" LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAX. 4" APART).
4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2" LENGTHS OF 2" x 4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS). THESE 2" x 4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.
5. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 1' BEYOND BOTH ENDS OF THE THROAT OPENING.
6. FORM THE 1/2" x 1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4" x 1 1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
8. ASSURE THAT STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW OF THE INLET.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 16 - 5A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

### At Grade Inlet Protection

Not To Scale



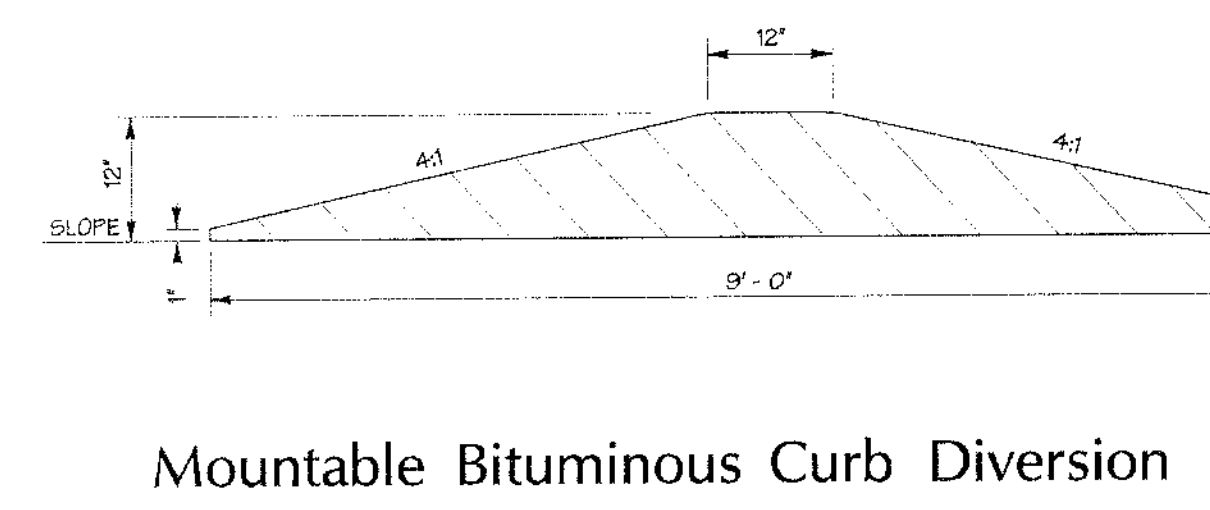
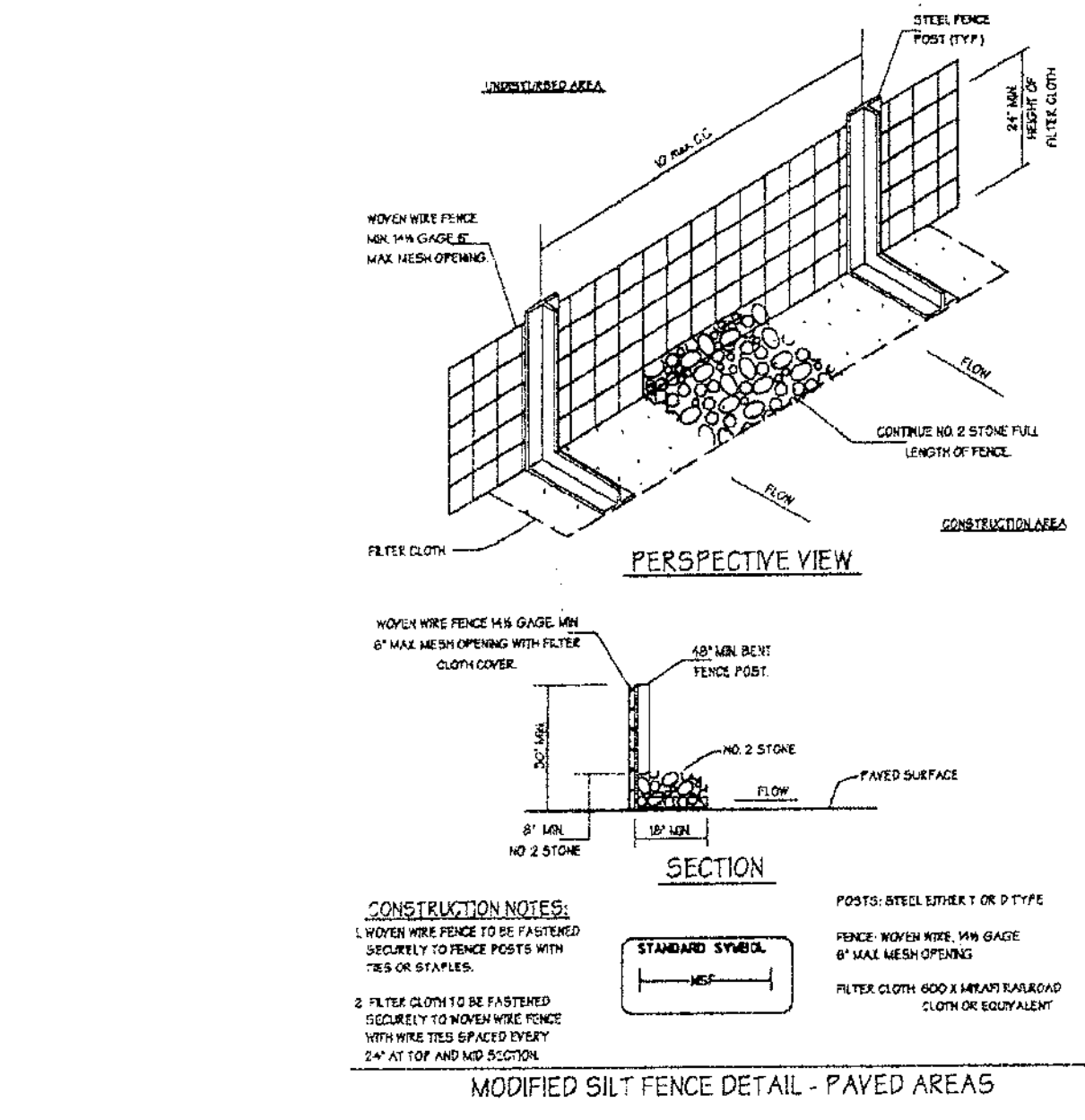
**CONSTRUCTION SPECIFICATIONS**

1. LENGTH - MINIMUM OF 50' (\*30' FOR SINGLE RESIDENCE LOT).
2. WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. GEOTEXTILE FABRIC CLASS C (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GRASS PRIOR TO PLACING STONE. \*THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
4. 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.
5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
6. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE F - 17 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

### Stabilized Construction Entrance

Not To Scale



**DEVELOPER'S CERTIFICATION:**

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

Signature of Developer: *David M. Lazar* DATE: 6/30/05

**ENGINEER'S CERTIFICATION:**

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 Engineer: *John K. Roberts* DATE: 6/28/05

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

Signature: *Jim Mayus* DATE: 6/28/05

Signature: *John K. Roberts* DATE: 6/28/05

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 16 - 5B MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

### Curb Inlet Protection (COG or COS Inlets)

Not To Scale



**CONSTRUCTION SPECIFICATIONS**

1. ATTACH A CONTINUOUS PIECE OF 1/2" x 1/2" WIRE MESH (30" MINIMUM WIDTH BY THROAT LENGTH PLUS 4") TO THE 2" x 4" WEIR (MEASURING THROAT LENGTH PLUS 2") AS SHOWN ON THE STANDARD DRAWING.
2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2" x 4" WEIR.
3. SECURELY NAIL THE 2" x 4" WEIR TO A 9" LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAX. 4" APART).
4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2" LENGTHS OF 2" x 4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS). THESE 2" x 4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.
5. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 1' BEYOND BOTH ENDS OF THE THROAT OPENING.
6. FORM THE 1/2" x 1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4" x 1 1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
8. ASSURE THAT STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW OF THE INLET.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 16 - 5B MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

6-17-05  
Date

Professional Engr. No. 6551

6/30/05

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Signature: *John K. Roberts* DATE: 6/30/05

Signature: *John K. Roberts* DATE: 6/30/05

Signature: *John K. Roberts* DATE: 6/30/05

Revision Description

THE MALL IN COLUMBIA PROPOSED RESTAURANT

COLUMBIA TOWN CENTER SECTION 2 AREA 1 LOT 47 HOWARD COUNTY, MD

OWNER / DEVELOPER: THE HOWARD RESEARCH & DEVELOPMENT CORP. COLUMBIA MALL, INC. 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044

**DMW** Dan McCune Walker, Inc. A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

200 East Pennsylvania Avenue, Towson, Maryland 21286 (410) 296-3339 Fax 296-4705

TITLE: UTILITY DETAILS

Des By: RLH Scale: AS SHOWN Proj. No.: 9501988

Drn By: KDE Date: 6/6/05

Chk By: Approved 8 OF 9

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Signature: *Robert J. Wilbur* DATE: 6/30/05

COUNTY HEALTH OFFICER



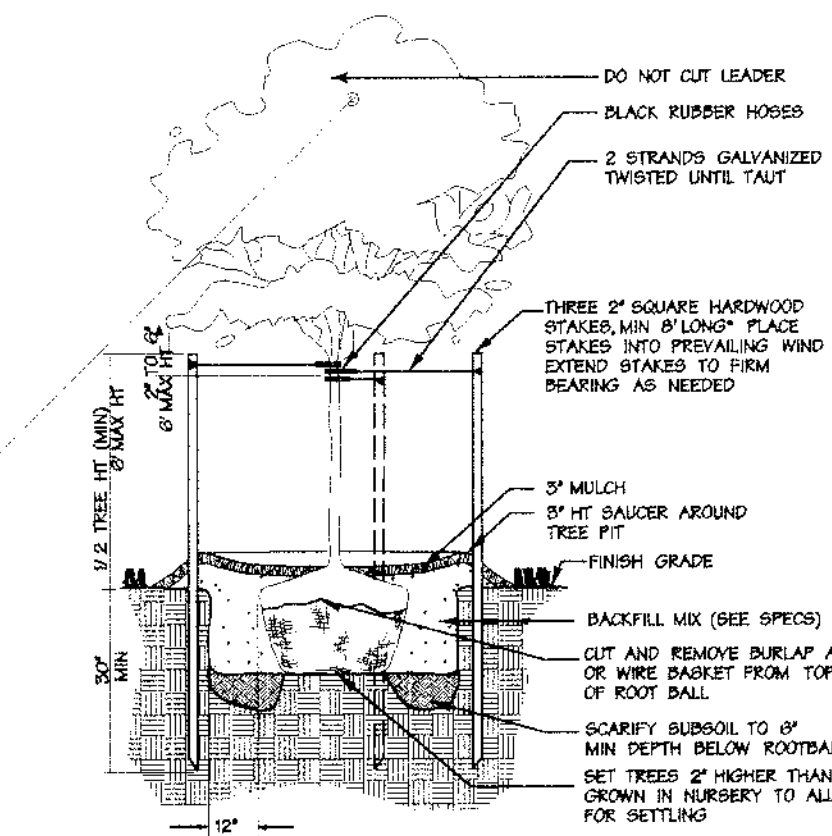
**PLANT LIST**

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
<b>SHADE TREES</b>						
PA	56	Platanus x acerifolia	London Planetree	2 12-3" cal. 12-14 ht.	B&B	Full Head
AR	2	Acer Rubrum (October Glory)	O.G. Red Maple	2 12-3" cal. 12-14 ht.	B&B	Full Head
<b>FLOWERING TREES</b>						
BN	8	Betula Nigra	Heritage Birch	2-2 12" cal. 2'-10" ht.	B&B	Full Head
<b>EVERGREEN TREES</b>						
IO	10	Ilex opaca	American Holly	6'-8" ht.	B&B	Unsheared

**General Planting Notes**

- All plant material to meet A.A.N. Standards.
- Landscape Contractor to follow landscape specification guidelines for Baltimore Washington Metro area approved by LCAMW.
- No substitutions to be made without consent of Landscape Architect, H.R.D. and the Department of Planning & Zoning.
- All beds to be topped with three inches of hardwood mulch.
- Landscape Contractor to verify location of utilities with Owner before planting.
- Landscape Architect/Owner shall select, verify and/or approve all plant material. At Owners discretion, specimen and other plant material will be selected.
- Contractor shall notify Miss Utility 72 hours prior to construction.
- Site lighting to be in accordance with mechanical plans in engineer's Site Plan Set and Section 134, Zoning.
- This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard Co. code & the Landscape Manual following the alternative compliance method. Financial surty for the required landscape trees, 50 shade 10 ex. fil. in the amount of \$20,000 must be posted as part of the grading permit.
- The Owner, Tenant, and/or their Agents shall be responsible for maintenance of the required landscaping, including both plant materials and berms, fences, and wall. All plant materials shall be maintained in good growing conditions 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.
- Developer's/Builder's Certification  
I/We certify that the landscaping shown on this plan will be done according to the plan and the alternative compliance provision of Section 16.124 of the Howard Co. Landscape Manual. 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.

*[Signature]* 4/16/05  
DATE



**LEGEND**

- Existing Contour
- Proposed Contour
- Existing Spot Elevation
- Proposed Spot Elevation
- Existing Storm Drain
- Proposed Storm Drain
- Existing Sanitary Sewer
- Proposed Sanitary Sewer
- Existing Water
- Proposed Water
- Existing Tree
- Existing Tree Lines for Woods
- New Tree Lines for Woods

Greater Than 3" Cal. Tree Planting  
Not To Scale

APPROVED: [Signature]  
DATE: 6/8/05

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	[Signature]	6/8/05
COUNTY HEALTH OFFICER		DATE
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	[Signature]	6/25/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION		DATE
CHIEF, DIVISION OF LAND DEVELOPMENT	[Signature]	6/20/05
DIRECTOR	[Signature]	6/30/05
		DATE

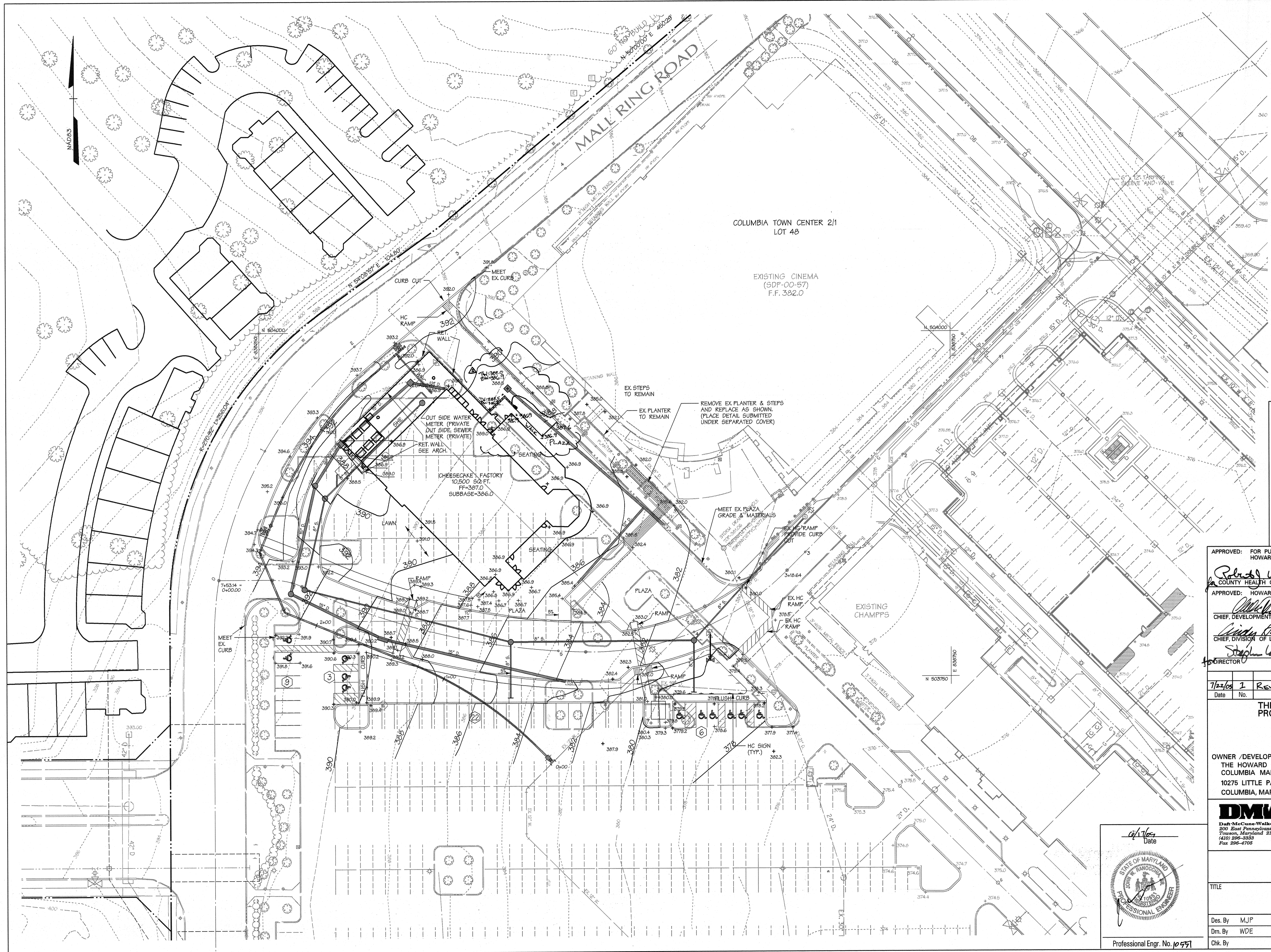
Date	No.	Revision Description
		THE MALL IN COLUMBIA PROPOSED RESTAURANT PHASE VII COLUMBIA TOWN CENTER SECTION 2 AREA 1 LOT 47 HOWARD COUNTY, MD

OWNER /DEVELOPER:  
THE HOWARD RESEARCH & DEVELOPMENT CORP.  
COLUMBIA MALL, INC.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

**DMW**  
Darr McConne Walker, Inc.  
200 East Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 396-3333  
Fax 396-4766

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

TITLE <b>PHASE VII SITE DEVELOPMENT PLAN LANDSCAPE PLAN</b>		
Des. By	MJP	Scale 1 = 30'
Drn. By	WDE	Date 06/06/2005
Chk. By		Approved
Proj. No. 95C19.5B		9 of 9



**LEGEND**

- - - Existing Contour
- - - Proposed Contour
- + (64.27) Existing Spot Elevation
- + 64.27 Proposed Spot Elevation
- - - EX SAN. Existing Sanitary Sewer
- - - EX ST. Existing Storm Drain
- - - EX W. Existing Water
- - - EX 12" W. Proposed Storm Drain
- - - EX 12" W. Proposed Water
- ⊙ Existing Tree
- ⊙ Existing Tree Lines for Woods
- ⊙ New Tree Lines for Woods

**APPROVED**  
**PLANNING BOARD**  
**OF HOWARD COUNTY**

DATE 6-8-05

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT

*Robert J. Walker*  
 COUNTY HEALTH OFFICER 6/30/05 DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

*Mike Pannunzio*  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION MK 6/30/05 DATE

*David Steneker*  
 CHIEF, DIVISION OF LAND DEVELOPMENT 6/30/05 DATE

*Stephen Kelly*  
 DIRECTOR 6/30/05 DATE

Date	No.	Revision Description
7/22/08	1	REVISE PATIO EXIT

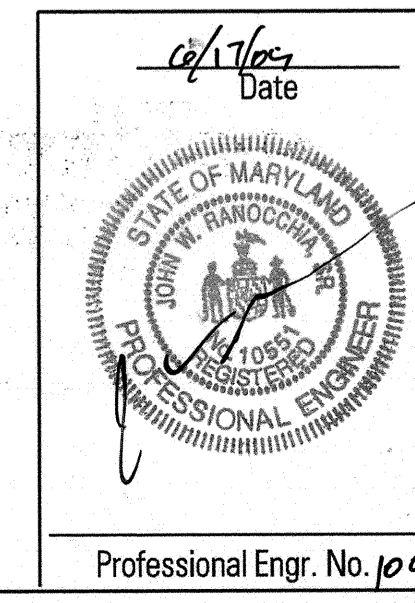
**THE MALL IN COLUMBIA**  
**PROPOSED RESTAURANT**

PHASE VII  
 COLUMBIA TOWN CENTER  
 SECTION 2 AREA 1  
 LOT 47  
 HOWARD COUNTY, MD

OWNER / DEVELOPER:  
 THE HOWARD RESEARCH & DEVELOPMENT CORP.  
 COLUMBIA MALL, INC.  
 10275 LITTLE PATUXENT PARKWAY  
 COLUMBIA, MARYLAND 21044

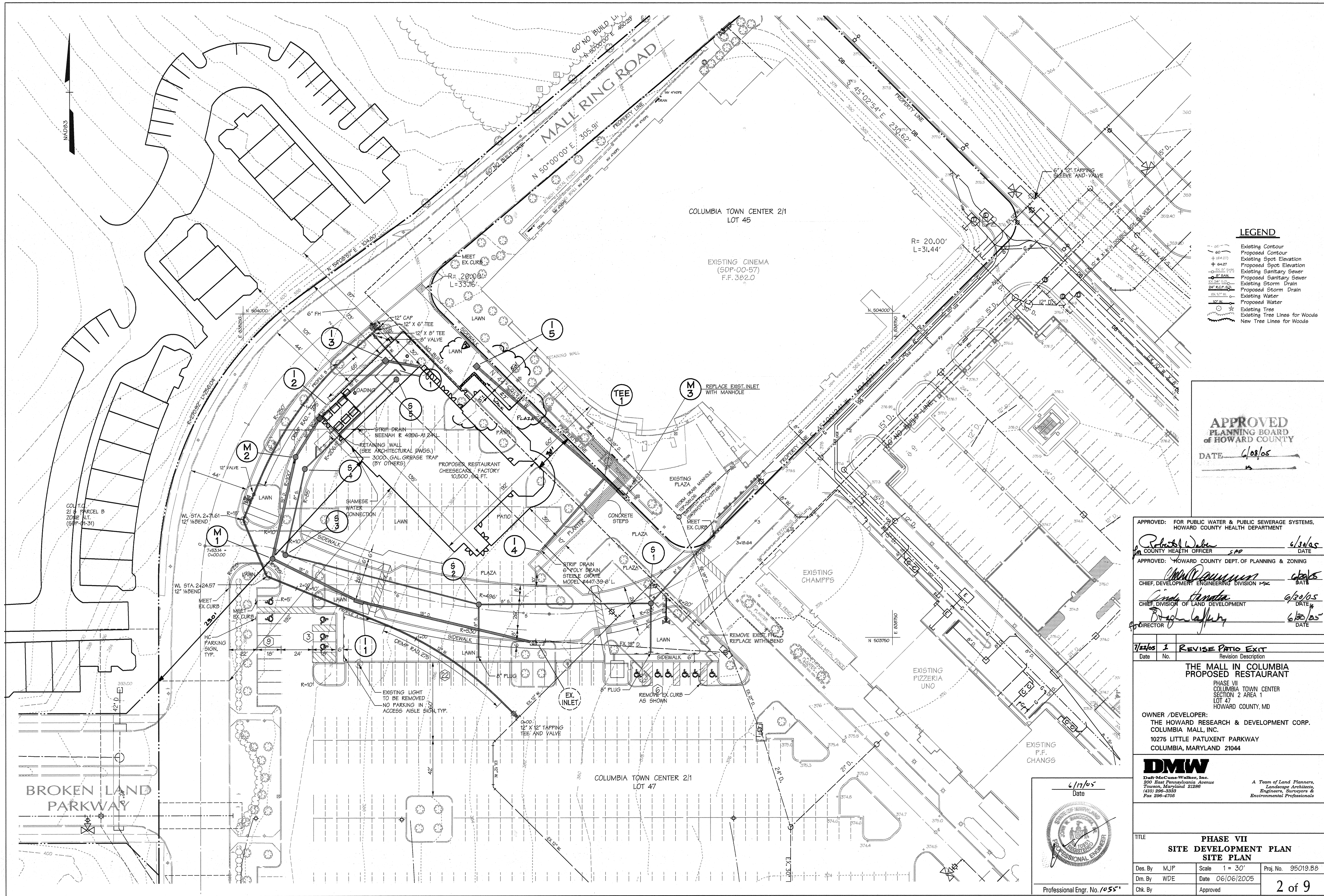
**DMW**  
 Draft McCause Walker, Inc.  
 200 East Pennsylvania Avenue  
 Towson, Maryland 21286  
 (410) 296-3333  
 Fax 296-4708

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



TITLE **PHASE VII GRADING PLAN**

Des. By MJP Scale 1" = 30' Proj. No. 95019.B5  
 Dwn. By WDE Date 06/06/2005  
 Chk. By Approved 3 of 9



**LEGEND**

- - - Existing Contour
- - - Proposed Contour
- + (64.27) Existing Spot Elevation
- + 64.27 Proposed Spot Elevation
- Existing Sanitary Sewer
- Proposed Sanitary Sewer
- Existing Storm Drain
- Proposed Storm Drain
- Existing Water
- Proposed Water
- ⊙ Existing Tree
- ⊙ Existing Tree Lines for Woods
- New Tree Lines for Woods

**APPROVED**  
**PLANNING BOARD**  
**OF HOWARD COUNTY**

DATE 6/08/05

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT

*Robert Walker* 6/30/05  
 COUNTY HEALTH OFFICER s.p.d. DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

*Mark Clavin* 6/30/05  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION M.K. DATE

*Cindy Stamba* 6/30/05  
 CHIEF DIVISION OF LAND DEVELOPMENT DATE

*Debra Caffery* 6/20/05  
 DIRECTOR DATE

7/22/05 **1** **REVISE PATIO EXIT**  
 Date No. Revision Description

**THE MALL IN COLUMBIA**  
**PROPOSED RESTAURANT**

PHASE VII  
 COLUMBIA TOWN CENTER  
 SECTION 2 AREA 1  
 LOT 47  
 HOWARD COUNTY, MD

OWNER / DEVELOPER:  
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 COLUMBIA MALL, INC.  
 10275 LITTLE PATUXENT PARKWAY  
 COLUMBIA, MARYLAND 21044

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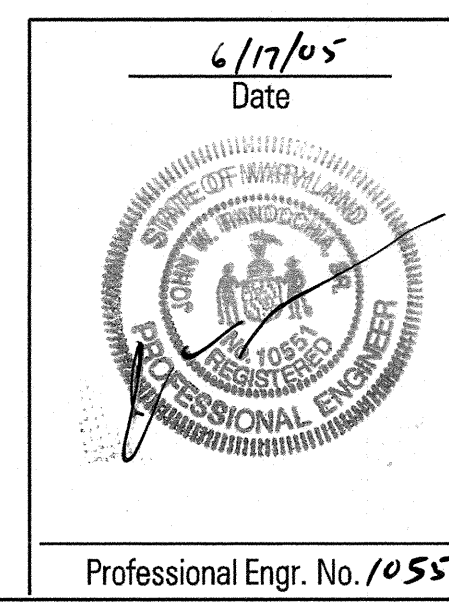
A Team of Land Planners,  
 Landscape Architects,  
 Engineers, Surveyors &  
 Environmental Professionals

6/17/05  
 Date

**PHASE VII**  
**SITE DEVELOPMENT PLAN**  
**SITE PLAN**

Des. By MJP Scale 1 = 30' Proj. No. 95019.BB  
 Dm. By WDE Date 06/06/2005  
 Chk. By Approved

2 of 9



Professional Engr. No. 10551