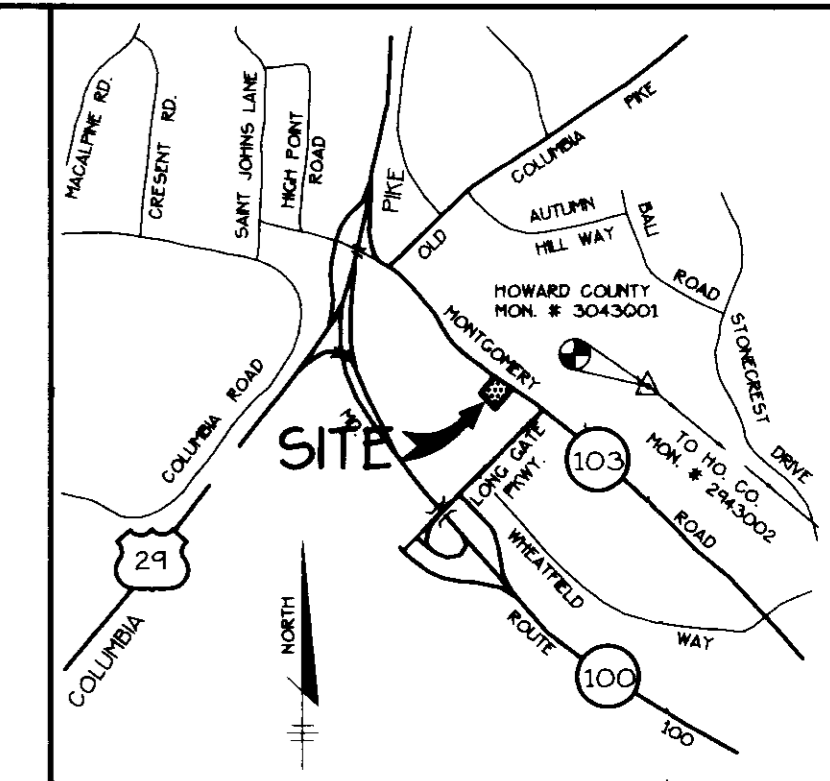


SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP
4	PROFILES, NOTES, AND DETAILS
5	LANDSCAPING PLAN

SITE DEVELOPMENT PLAN CITIZEN'S NATIONAL BANK AT LONG GATE CENTER PARCEL 0 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS U.S.H.A. STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST ALL EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION AT 313-1000 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.

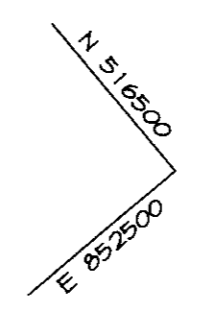
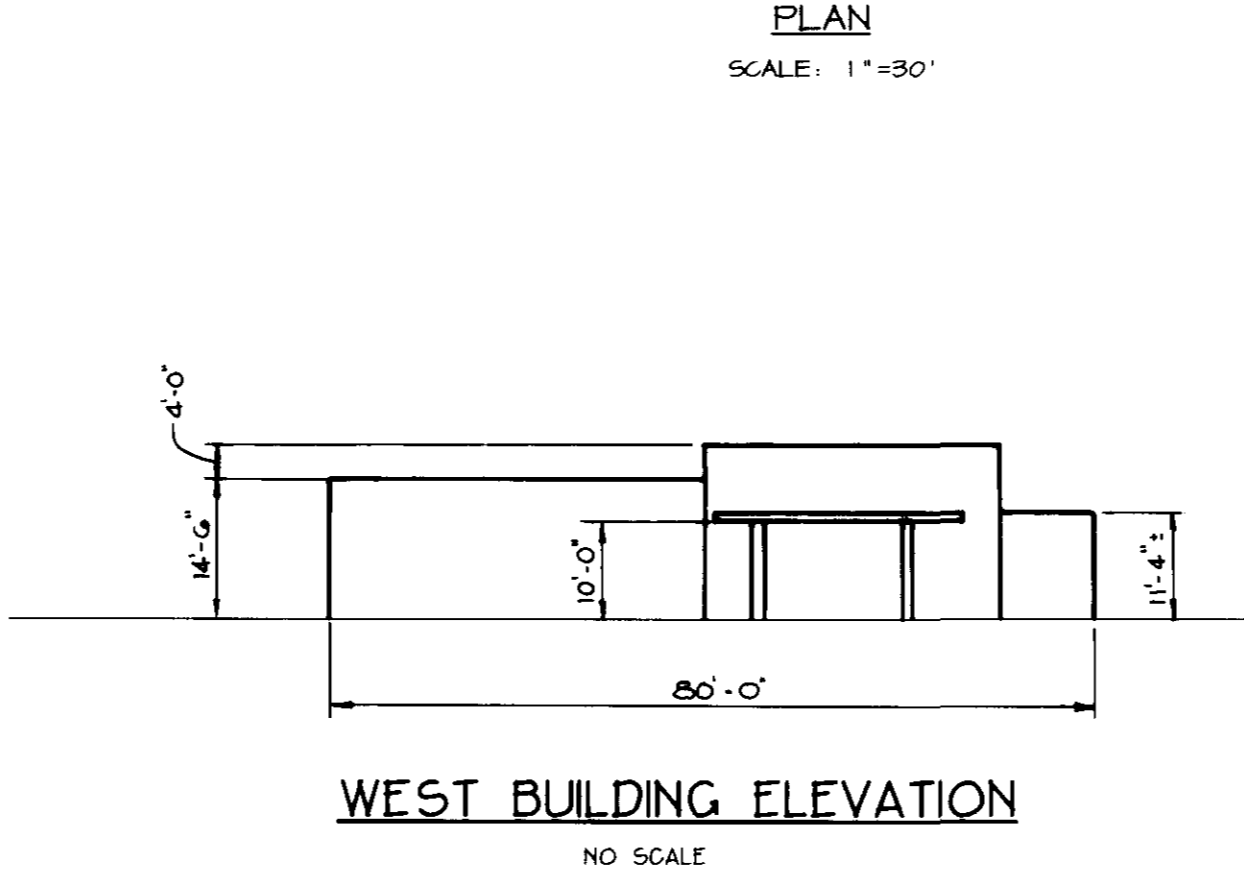
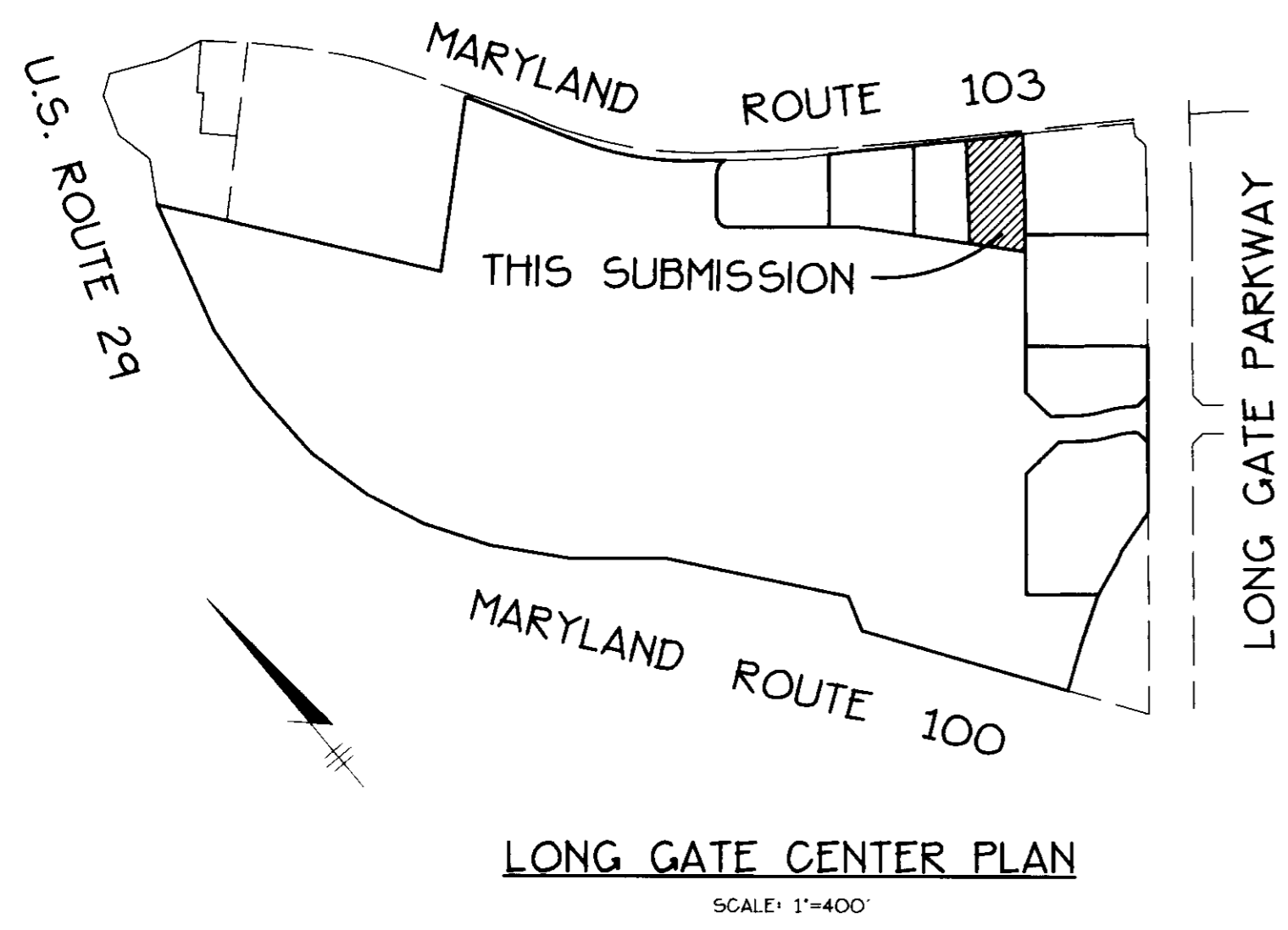
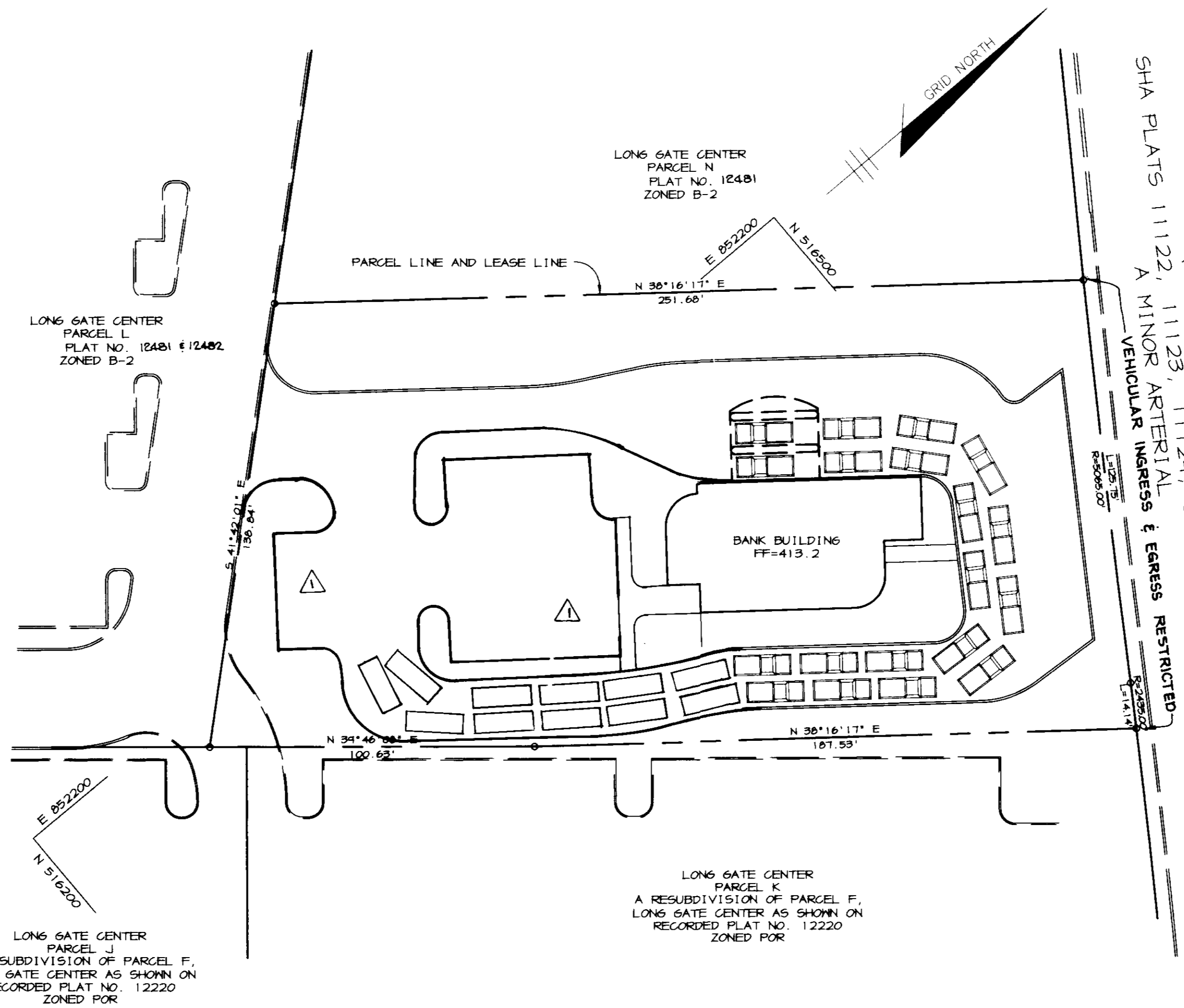
MISS UTILITY	1-800-251-7177
BELL ATLANTIC TELEPHONE COMPANY	726-4876
HOWARD COUNTY BUREAU OF UTILITIES	313-4400
ATTN: CABLE LOCATION DIVISION	393-3955
BALTIMORE GAS & ELECTRIC COMPANY	686-0123
STATE HIGHWAY ADMINISTRATION	531-5533
- TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR WALKER WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO IS PROPOSED GRADE FROM SDP-95-62. CONTOURS SHOWN AT 2-FOOT INTERVAL.
- ALL PLAN DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL 62.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. ANY PAVEMENT SECTION DETERMINED BY THE GEOTECHNICAL ENGINEER THAT IS LESS THAN THE HOWARD COUNTY MINIMUM STANDARD SHALL FIRST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL FOR THIS DEVELOPMENT IS PROVIDED BY A PRIVATE RETENTION FACILITY PER SDP-95-62.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THE WATER METER IS TO BE LOCATED INSIDE THE BUILDING.
- THE COORDINATES SHOWN HEREON ARE BASED ON NAD 27, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY MONUMENT NOS. 3043001-R AND 2443002.
- HP-44-60 A REQUEST TO NAIVE SECTION 16.114(f)(2) TO PERMIT A COMMERCIAL DRIVEWAY DIRECT ACCESS TO A MINOR ARTERIAL HIGHWAY, MD ROUTE 103, WAS APPROVED ON MAY 13, 1994 FOR PARCELS A, B, C.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS.
- HP-45-64, A REQUEST TO NAIVE SECTION 16.115(g) WHICH RESTRICTS DEVELOPMENT WITHIN A 100 YEAR FLOODPLAIN, 16.116(a)(1) AND (2) WHICH RESTRICTS GRADING WITHIN A WETLAND AND STREAM, 16.117(f)(1) WHICH REQUIRES MINOR COLLECTORS OR LOWER ROAD CLASSIFICATION ACCESS TO ARTERIAL ROADS AND 16.144(a) AND (f) WHICH REQUIRE PROCESSING OF SKETCH AND PRELIMINARY PLANS FOR SUBDIVISION WAS APPROVED MARCH 15, 1989.
- WATER AND SEWER SERVICE FOR THIS PROJECT IS PRIVATE.
- THERE IS NO 100-YEAR FLOODPLAIN ON SITE.
- TRAFFIC STUDY PROVIDED BY THE TRAFFIC GROUP, INC. DATED APRIL 21, 1989.
- THERE ARE NO ON-SITE WETLANDS FOR THIS PROJECT.
- SEE PREVIOUS FILE NUMBERS F-85-83, F-86-168, SDP-95-62, HP-95-64, HP-94-60, F-96-03, F-97-25, F-97-77.
- FOREST CONSERVATION REQUIREMENTS FOR THIS PROJECT ARE BEING MET UNDER SDP-95-62.
- ACCESS FOR THIS DEVELOPMENT IS OBTAINED VIA CROSS ACCESS EASEMENTS OVER PARCEL L, PLAT 12481 & L, 3989, F.161.

BENCHMARKS

BMM1	STA 3043001	BMM2	STA 2443002
ELEV. 437.92		N 513,205.90	E 857,478.69
N 516,544.55	E 853,656.51	LOCATED ON THE TRANSMISSION LINE	
32' ± NORTH OF BGE TOWER 276-A		1700' ± NORTH OF INTERSECTION OF	
BEHIND SCHOOL GROUNDS		ROUTE 103 AND NEW CUT ROAD AND	
		1150' ± EAST OF NEW CUT ROAD	

SITE ANALYSIS

AREA OF PARCEL	0.86 ACRES (37,467 SF)
PRESENT ZONING	B-2
PROPOSED USE	BANK BUILDING
BUILDING COVERAGE	2789 SQ. FT. (7.4% OF SITE)
# OF PARKING SPACES REQ'D @ 5 SP/1000 SF	15
# OF PARKING SPACES PROVIDED	21 (INCL. 1 HC)
# OF STACKING SPACES REQUIRED	20
# OF STACKING SPACES PROVIDED	30
PAVED AREA	0.44 ACRES
OVERHANG COVERAGE	651 SQ. FT. (1.7% OF SITE)
BUILDING + OVERHANG COVERAGE	3440 SQ. FT. (9.1% OF SITE)



APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

<i>[Signature]</i>	12/13/96
DIRECTOR	DATE
<i>[Signature]</i>	12/16/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	12/11/96
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

DATE	NO.	REVISION
1-16-97		MODIFIED WESTERLY PARKING AREA & "STACKING" SCHEMATIC. REVISED 2 ITEMS - SITE ANALYSIS

OWNER	DEVELOPER
OPUS EAST, L.L.C. 6707 DEMOCRACY BLVD. SUITE 510 BETHESDA, MD 20817 (301) 493-4444	CITIZEN'S NATIONAL BANK 517 MAIN STREET LAUREL, MD 20707 (301) 497-6275

PROJECT	CITIZEN'S NATIONAL BANK AT LONG GATE CENTER
AREA	TAX MAP 24 BLOCK 24 PARCEL 0 ZONED B-2 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	TITLE SHEET

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

11-27-96	F-95-83 SDP-95-62 HP-94-60 F-96-168 HP-95-64
DATE	
DESIGNED BY : CJR	
DRAWN BY : RPP	
PROJECT NO : HOC00966050	
SDP1.DWG	
DATE : NOVEMBER 27, 1996	
SCALE : AS SHOWN	
DRAWING NO. 1 OF 5	

[Signature]
JAYKANT D. PAREKH #19148

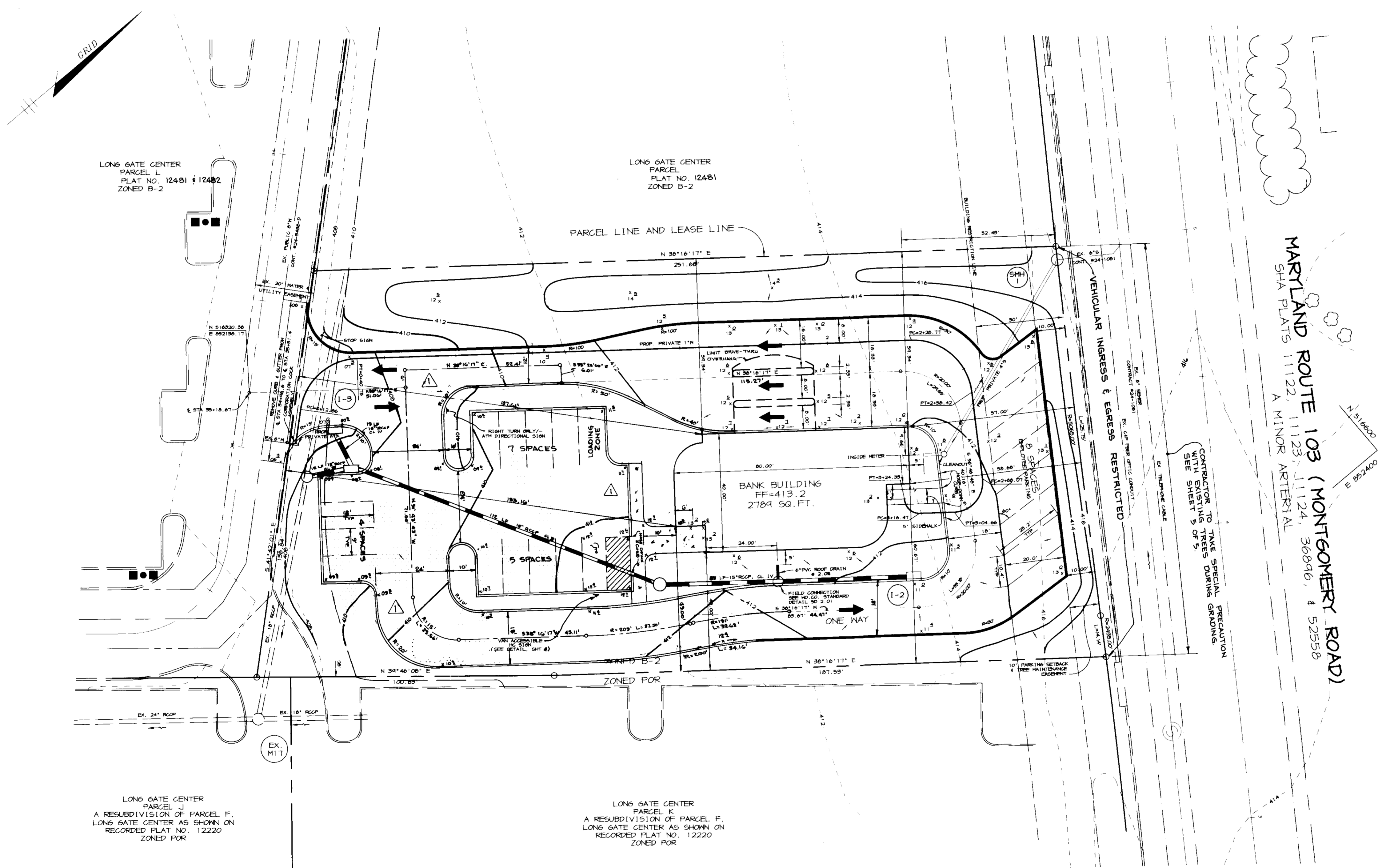
ADDRESS CHART

PARCEL	STREET ADDRESS
0	4342 MONTGOMERY ROAD

SUBDIVISION NAME	BLK/AREA	PARCEL
LONG GATE CENTER	--	0

PLAT #	BLOCK #	ZONING	TAX MAP NO.	ELECT. DIST.	CONJUG. TRACT
12481	24	B-2	24	2nd	6023.02

WATER CODE	SEWER CODE
F04	5750601



LONG GATE CENTER
PARCEL L
PLAT NO. 12481 & 12482
ZONED B-2

LONG GATE CENTER
PARCEL
PLAT NO. 12481
ZONED B-2

LONG GATE CENTER
PARCEL J
A RESUBDIVISION OF PARCEL F,
LONG GATE CENTER AS SHOWN ON
RECORDED PLAT NO. 12220
ZONED POR

LONG GATE CENTER
PARCEL K
A RESUBDIVISION OF PARCEL F,
LONG GATE CENTER AS SHOWN ON
RECORDED PLAT NO. 12220
ZONED POR

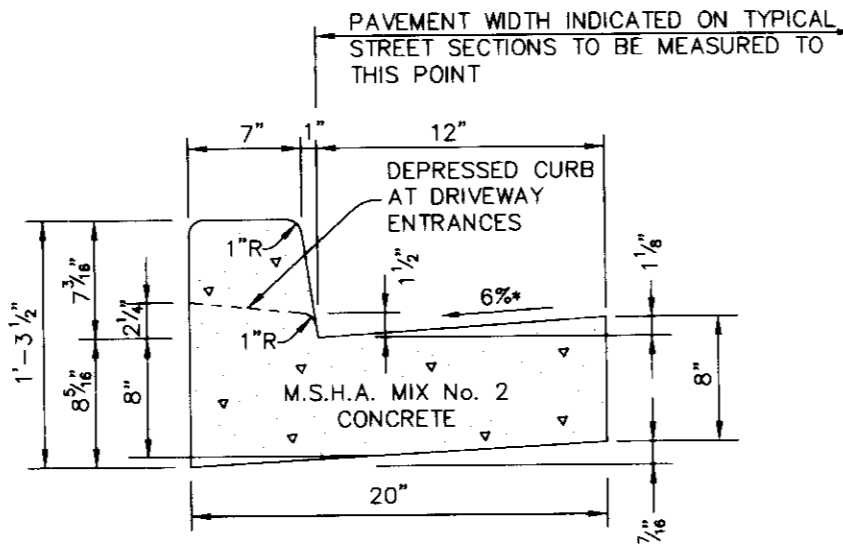
MARYLAND ROUTE 103 (MONTGOMERY ROAD)
SHA PLATS 11122, 11123, 11124, 30896, & 52558
A MINOR ARTERIAL

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>[Signature]</i> DIRECTOR	12/13/96 DATE
<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	12/6/96 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	12/11/96 DATE
1-16-97	REVISED WESTERLY PARKING AREA, MODIFIED SD & GRADING IN NEW AREA.
DATE NO.	REVISION
OWNER	DEVELOPER
OPUS EAST, L.L.C. 6707 DEMOCRACY BLVD. SUITE 510 BETHESDA, MD 20817 (301) 493-4444	CITIZEN'S NATIONAL BANK 517 MAIN STREET LAUREL, MD 20707 (301) 447-6275
PROJECT	CITIZEN'S NATIONAL BANK AT LONG GATE CENTER
AREA	TAX MAP 24 BLOCK 24 PARCEL O ZONED B-2 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	SITE DEVELOPMENT PLAN
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282	
11-27-96 DATE	F-45-43 SOP-95-62 HP-14-60 F-16-163 HP-95-64
	DESIGNED BY : CJR
	DRAWN BY : RFP
	PROJECT NO : HOCO\96050 SDP2.DWG
	DATE : NOVEMBER 27, 1996
	SCALE : 1"=20'
<i>[Signature]</i> JAYKANT O. PAREKH #19148	DRAWING NO. 2 OF 5

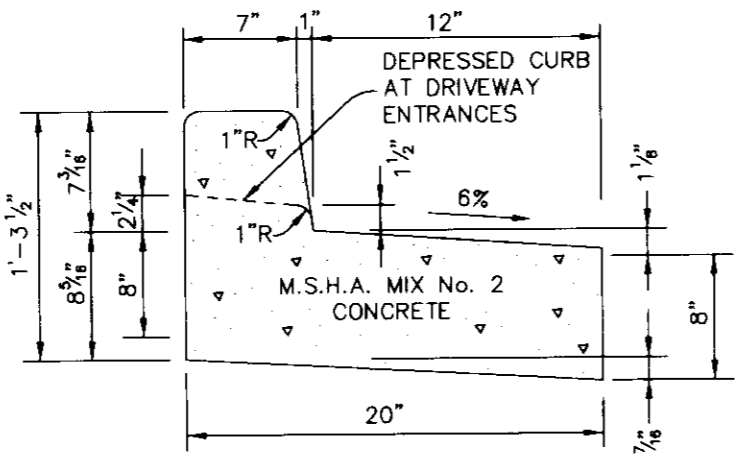
SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL, AND REVISIONS THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE 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 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL FOR PERMANENT SEEDINGS (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONG CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

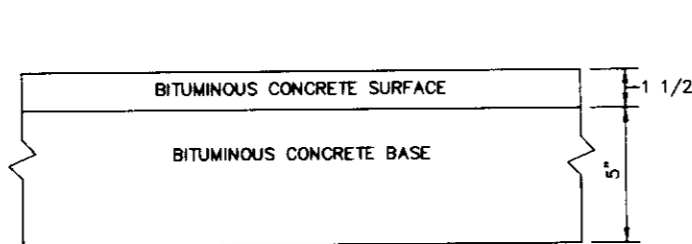
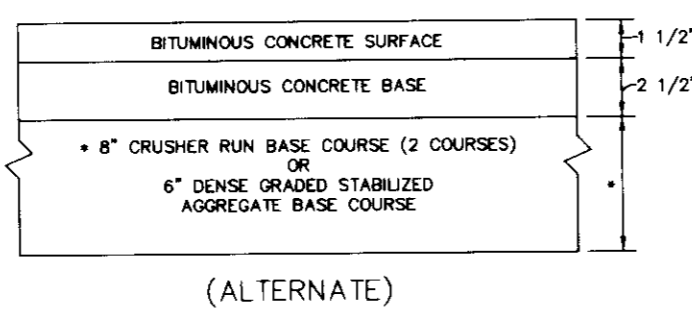
TOTAL AREA OF SITE	0.86 ACRES
AREA TO BE ROOFED OR PAVED	0.85 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.39 ACRES
TOTAL CUT	904 CU. YARDS
TOTAL FILL	374 CU. YARDS
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTINGS OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY AFFECT THE WORK.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 AC., APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- BORROW SITE TO BE PRE-APPROVED BY THE SEDIMENT CONTROL INSPECTOR, OR IN CASE OF EXCESS MATERIAL, AN APPROVED SEDIMENT CONTROL PLAN WILL BE NEEDED TO DEPOSIT EXCESS OFF-SITE.



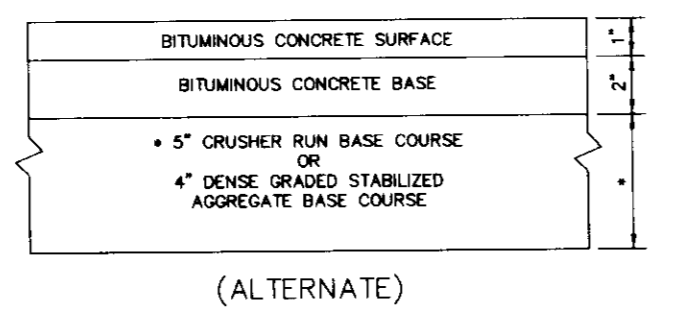
STANDARD 7" COMBINATION CURB AND GUTTER
NO SCALE



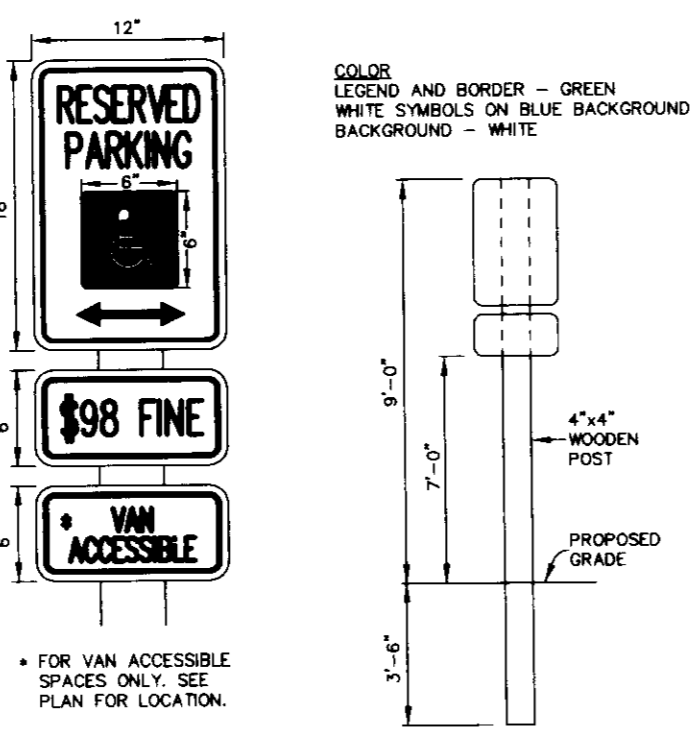
REVERSE 7" COMBINATION CURB AND GUTTER
NO SCALE



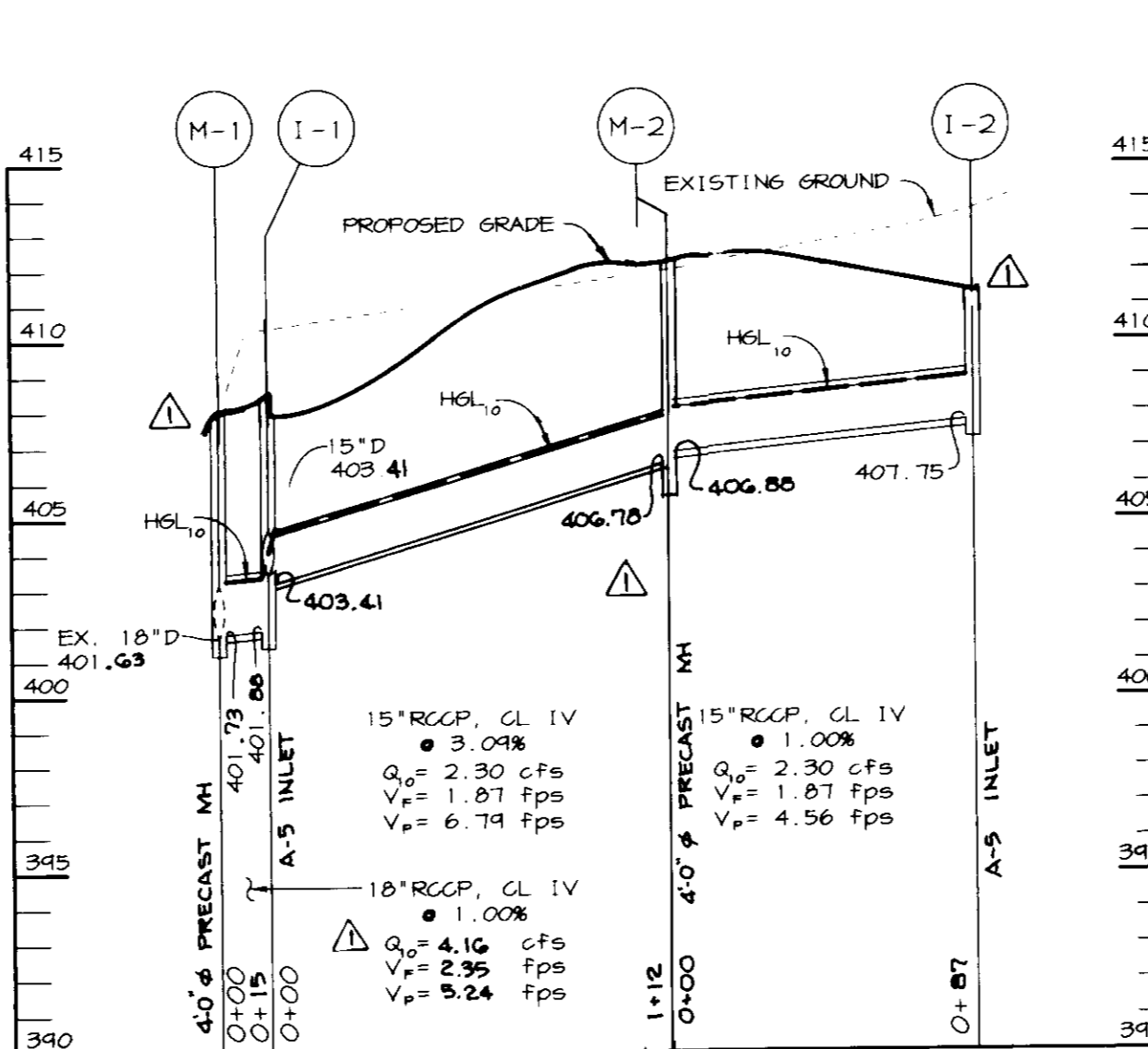
P-2 PAVING
NO SCALE



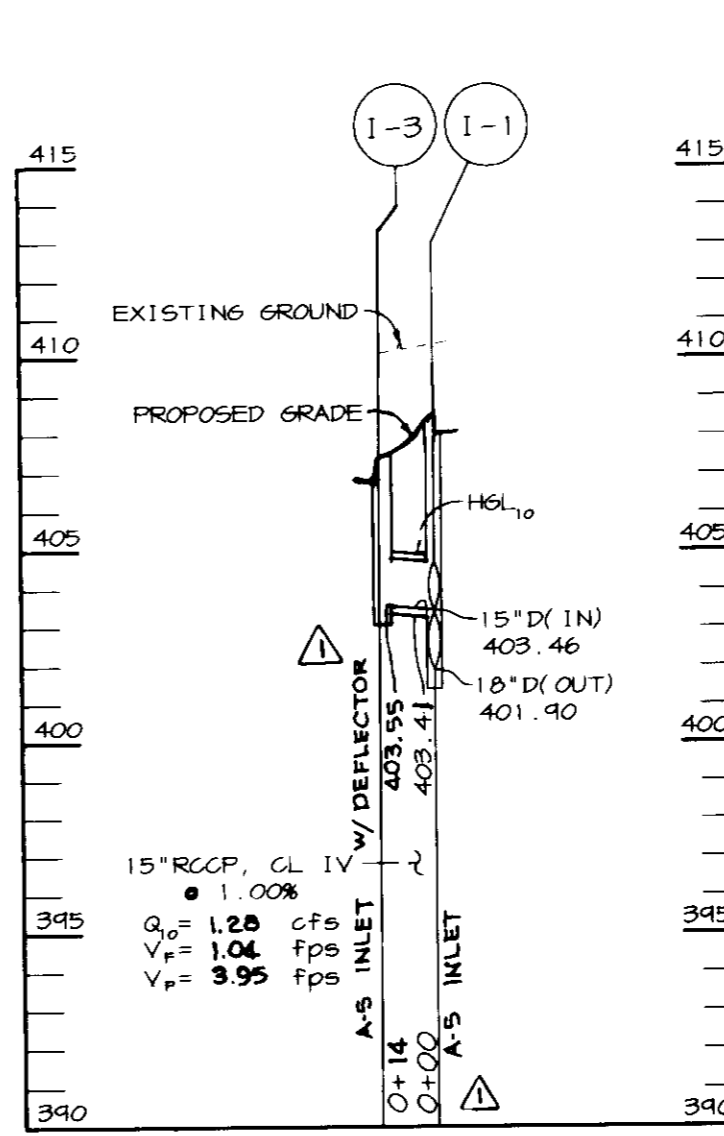
P-1 PAVING
NO SCALE



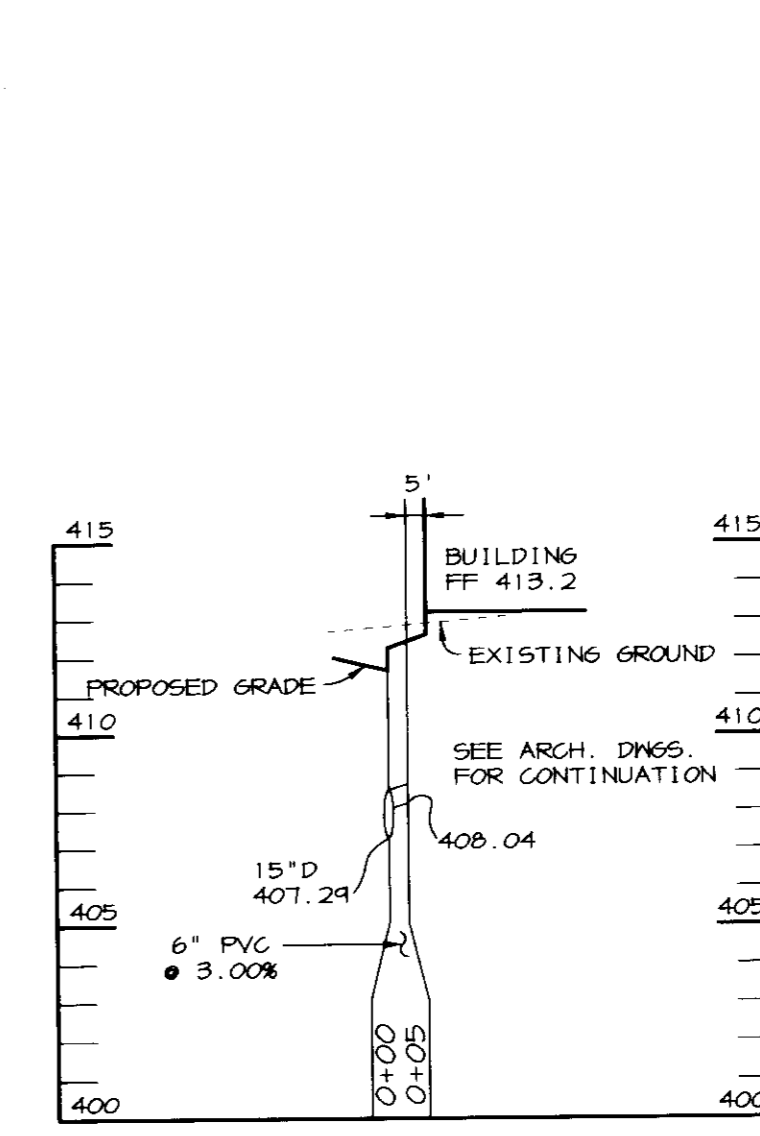
HANDICAP SIGN DETAIL
NO SCALE



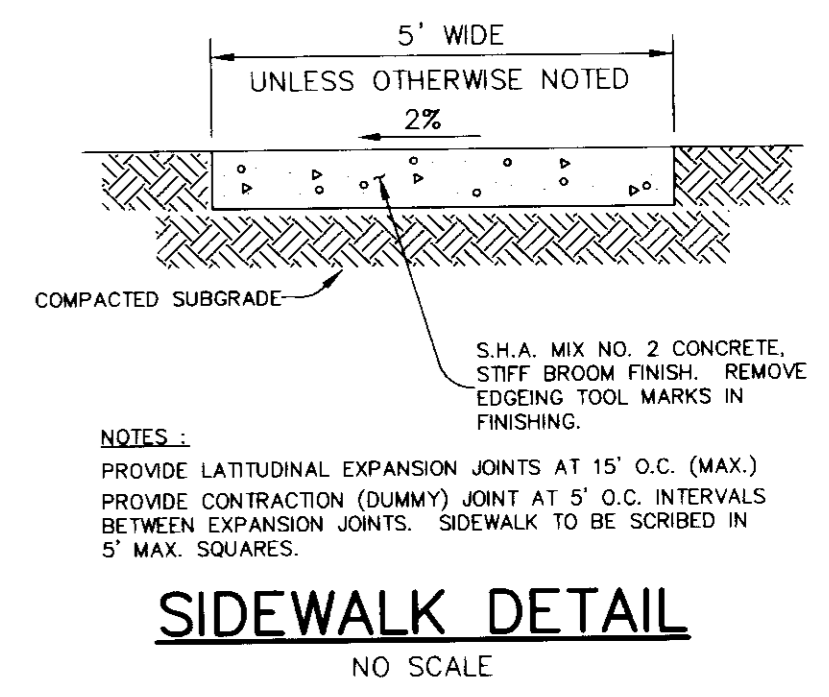
STORM DRAIN PROFILE
SCALE: HOR. - 1"=50', VERT. - 1"=5'



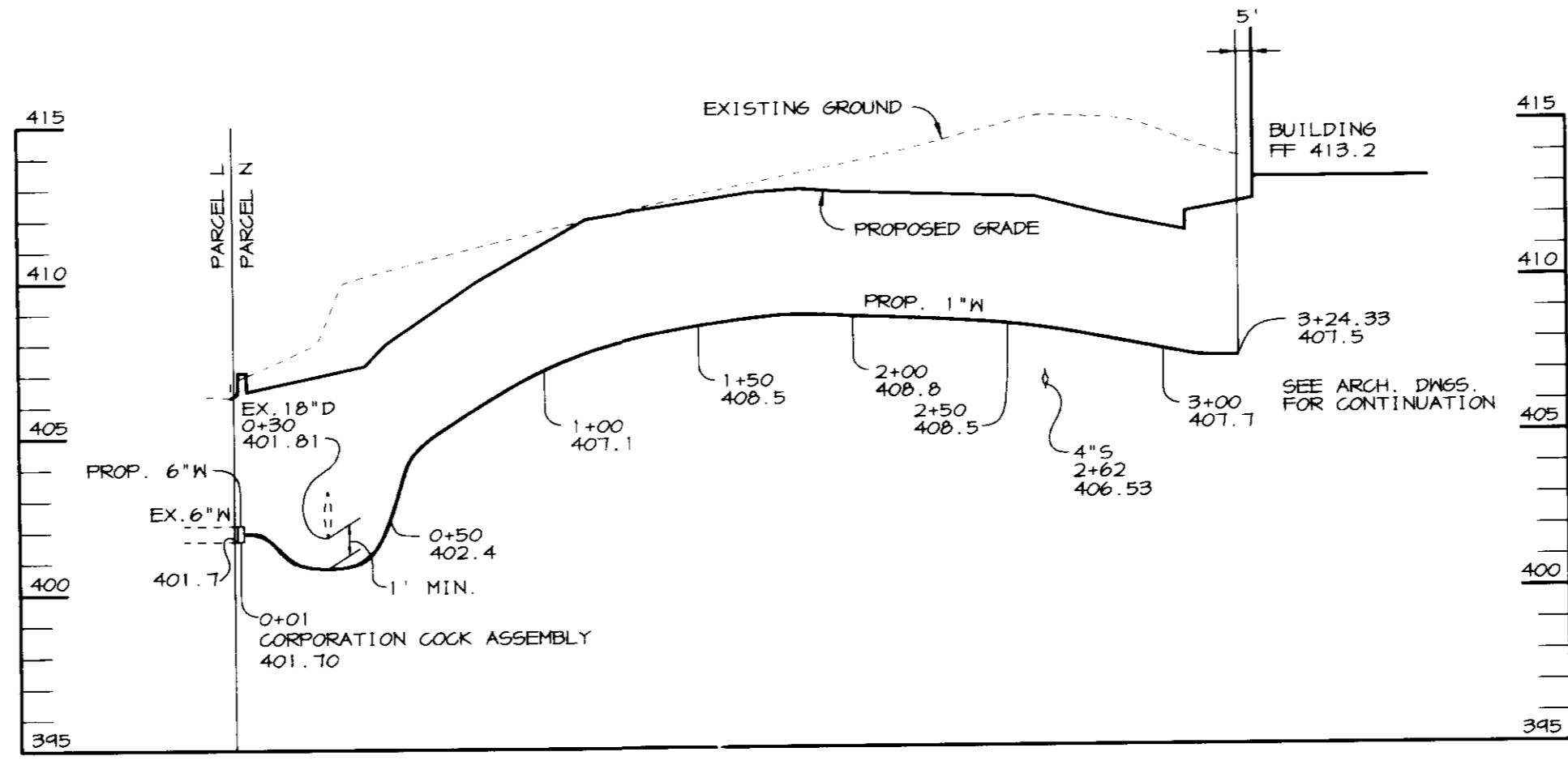
STORM DRAIN PROFILE
SCALE: HOR. - 1"=50', VERT. - 1"=5'



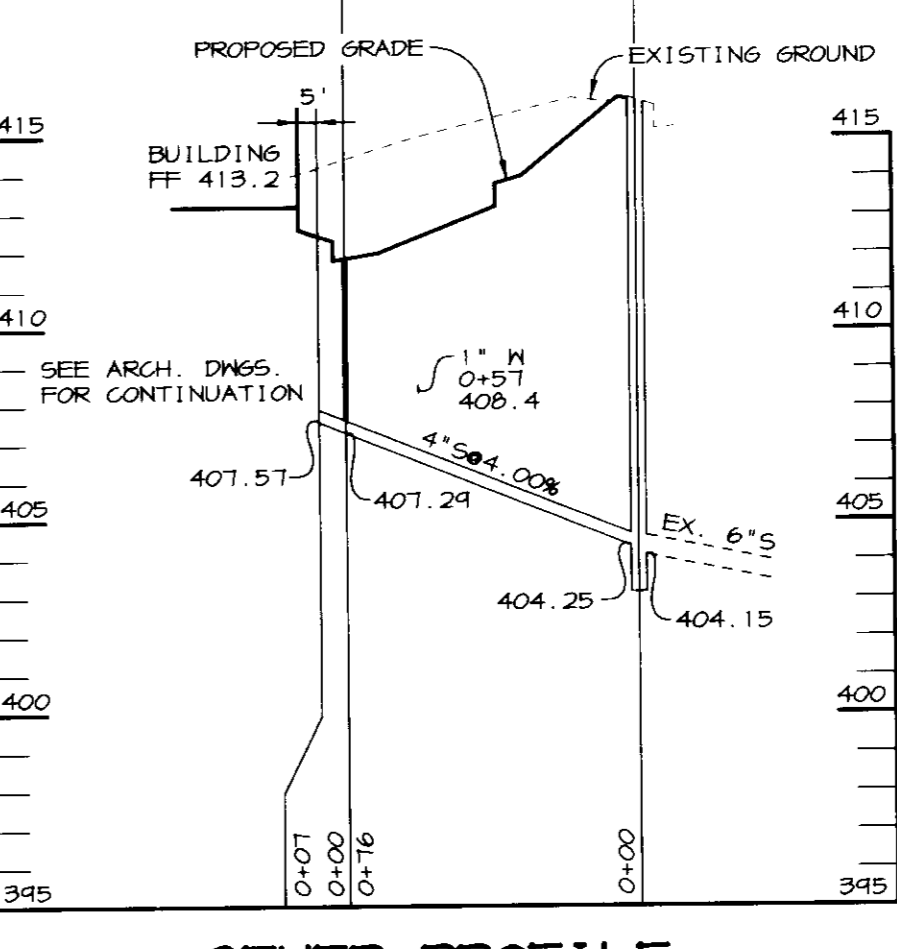
ROOF DRAIN PROFILE
SCALE: HOR. - 1"=50', VERT. - 1"=5'



SIDEWALK DETAIL
NO SCALE



WATER PROFILE
SCALE: HOR. - 1"=50', VERT. - 1"=5'



SEWER PROFILE
SCALE: HOR. - 1"=50', VERT. - 1"=5'

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation - Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments - Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).

Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual ryegrass (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of creeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 6 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR rate and methods not covered.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation - Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments - In lieu of soil test recommendations, use one of the following schedules:

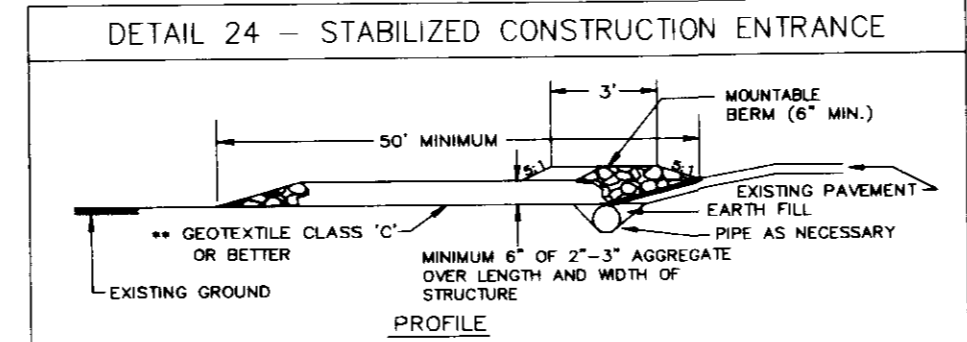
- Preferred - Apply 2 tons per acre dolomitic limestone (42 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (42 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of creeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options:

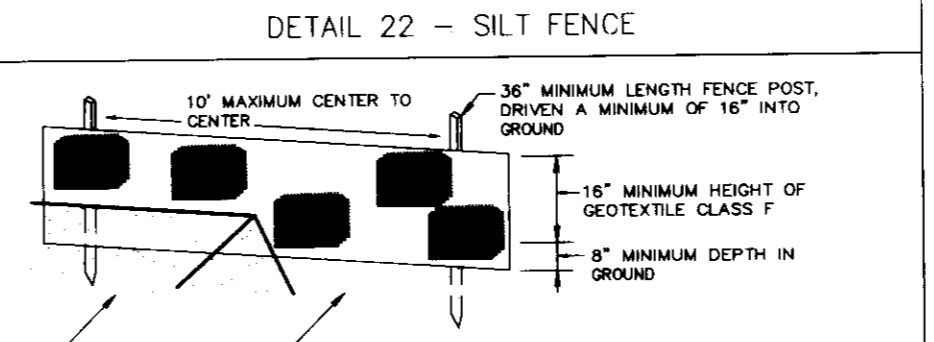
- 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- Use sod.
- Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

Mulching - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 6 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

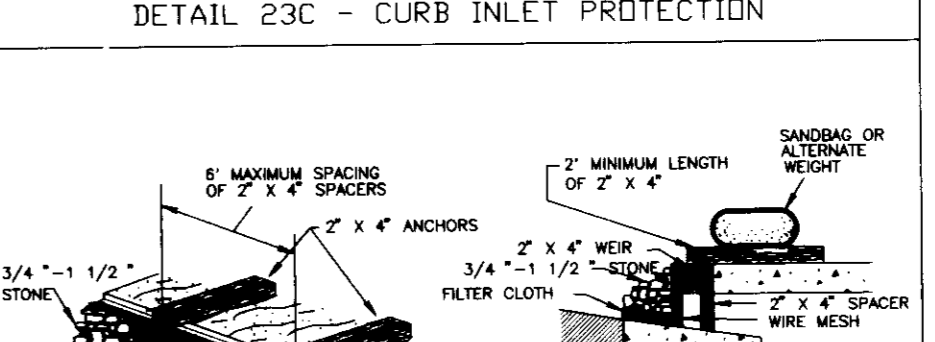
Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedsings.



DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



DETAIL 22 - SILT FENCE



DETAIL 23C - CURB INLET PROTECTION

CONSTRUCTION SPECIFICATIONS

- Length - minimum of 50' (+30' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
- 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.
- 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 6 inch diameter pipe with 5:1 slope and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SDE 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.
- 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.

CONSTRUCTION SPECIFICATIONS

- Fence posts shall be a minimum of 36" long driven 18" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts shall be standard I or U section weighing not less than 1000 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 508
Flow Rate	0.3 gal ft ² / minute (max.)	Test: MSMT 322
Filtration Efficiency	75% (min.)	Test: MSMT 322
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

CONSTRUCTION SPECIFICATIONS

- Attach a continuous piece of 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.
- 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.
- Securely nail the 2" x 4" weir to a 9" long vertical support to be located between the weir and the end face (one 4" apart).
- 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 laid in place by hand or alternate weight.
- The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
- Form the 1/2" x 1/2" wire mesh and the geotextile fabric to the concrete gutter and opposite 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.
- This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- Ensure that storm flow does not bypass the inlet by installing a temporary earth or gravel dike to direct the flow to the inlet.

BY THE DEVELOPER:

I/WE 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

J. Swell DEVELOPER **11-27-96** DATE

BY THE ENGINEER:

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.

J. Swell ENGINEER **11-27-96** DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Cheryl D. ... NATURAL RESOURCES CONSERVATION SERVICE **11-27-96** DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. ... HOWARD SOIL CONSERVATION DISTRICT **12/5/96** DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James ... DIRECTOR **12/12/96** DATE

John ... CHIEF, DEVELOPMENT ENGINEERING DIVISION **12/6/96** DATE

Richard ... CHIEF, DIVISION OF LAND DEVELOPMENT **12/10/96** DATE

1-16-97 REV. 2 50 PROFILES; M-1 TO I-2 & I-3 TO I-1

DATE	NO.	REVISION

OWNER: OPUS EAST, L.L.C. 6707 DEMOCRACY BLVD. SUITE 510 BETHESDA, MD 20817 (301) 493-4444

DEVELOPER: CITIZEN'S NATIONAL BANK 517 MAIN STREET LAUREL, MD 20707 (301) 497-6275

PROJECT: CITIZEN'S NATIONAL BANK AT LONG GATE CENTER

AREA: TAX MAP 24 BLOCK 24 PARCEL 0 ZONED B-2 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: PROFILES, NOTES, AND DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

11-27-96 DATE

J. Swell DESIGNED BY: CJR

DRAWN BY: RFP

PROJECT NO: HOC949050 SDF4.DWG

DATE: NOVEMBER 27, 1996

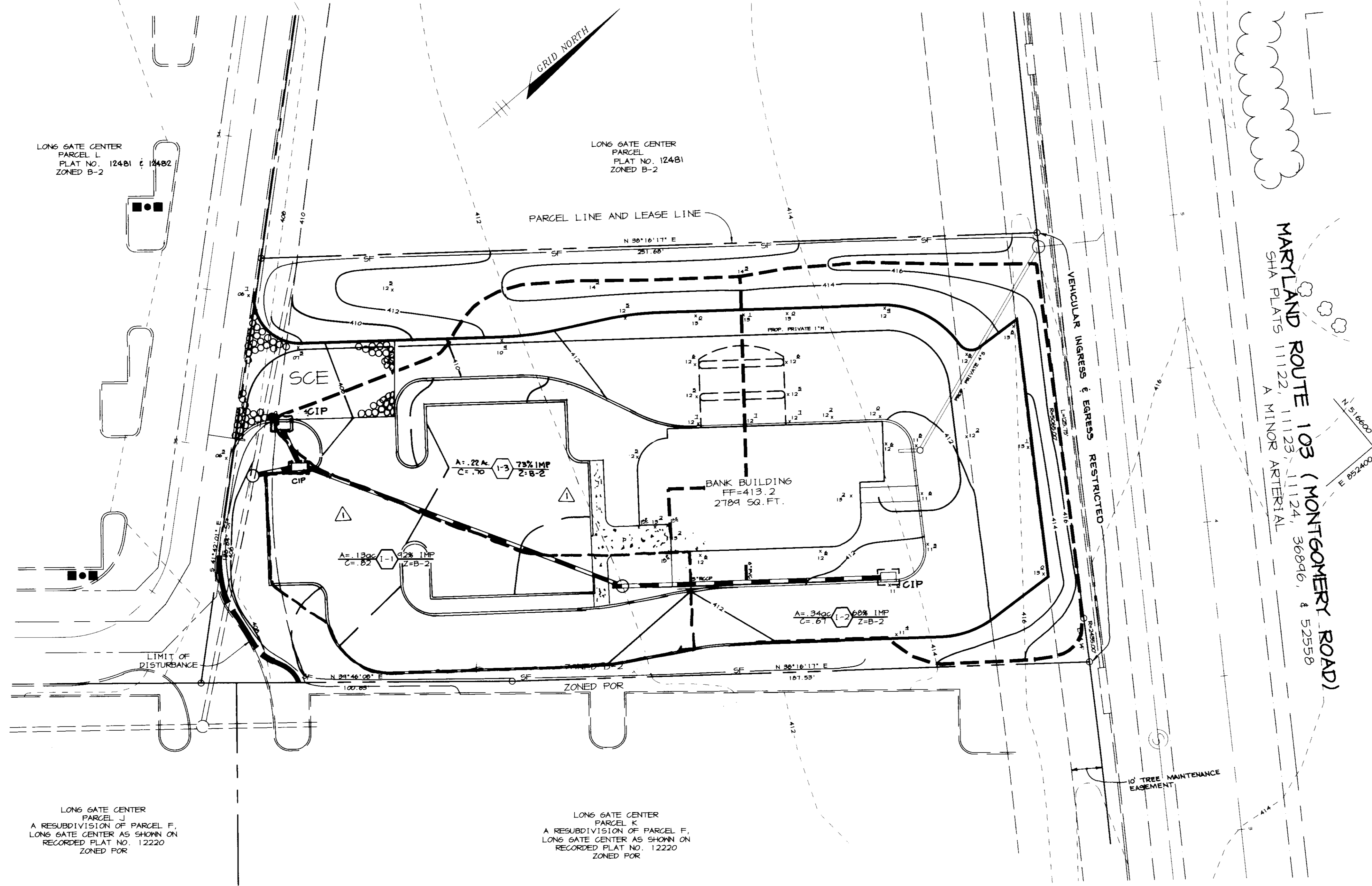
SCALE: AS SHOWN

DRAWING NO. 4 OF 5

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE. (1 DAY)
3. ROUGH GRADE SITE AND BEGIN BUILDING CONSTRUCTION. (3 DAYS)
4. AS SUBGRADE ELEVATIONS ARE ESTABLISHED, INSTALL STORM DRAINS, WATER AND SEWER. (10 DAYS)
5. INSTALL CURB AND GUTTER AND PAVE ROADWAYS. (1 WEEK)
6. FINE GRADE SITE, STABILIZE DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES AS NECESSARY. (10 DAYS)
7. INSTALL LIGHTS, LANDSCAPING, WALKS, AND SIGNS AS REQUIRED. (3 DAYS)
8. COMPLETE BUILDING CONSTRUCTION. (5 DAYS)
9. UPON APPROVAL OF THE HOWARD COUNTY DILP SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE ALL REMAINING AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES. (2 DAYS)

E 892100
N 512600



LEGEND

- SF — SILT FENCE
- DRAINAGE DIVIDE
- LIMIT OF DISTURBANCE
- CIP CURB INLET PROTECTION

NOTE:
LIMIT OF DISTURBANCE IS AT PROPERTY LINE UNLESS OTHERWISE SHOWN.

THE SITE HAS BEEN MASS-GRADED THEREFORE 'C' SOIL TYPES HAVE BEEN ASSUMED.

BY THE DEVELOPER :
I/WE 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature]
DEVELOPER 11-27-96
DATE

BY THE ENGINEER :
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]
ENGINEER 11-27-96
DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

[Signature]
NATURAL RESOURCES CONSERVATION SERVICE 12/5/96
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature]
HOWARD SOIL CONSERVATION DISTRICT 11-29-96
DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

[Signature]
DIRECTOR 12/18/96
DATE

[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION 12/6/96
DATE

[Signature]
CHIEF, DIVISION OF LAND DEVELOPMENT 12/1/96
DATE

1-16-97 Δ REVISED LAYOUT WESTERLY PARKING LOT AREA MODIFIED DRAINAGE AREAS.

DATE NO. DEVELOPER REVISION

OWNER	DEVELOPER
OPUS EAST, L.L.C. 6707 DEMOCRACY BLVD. SUITE 510 BETHESDA, MD 20817 (301) 493-4444	CITIZEN'S NATIONAL BANK 517 MAIN STREET LAUREL, MD 20707 (301) 491-6275

PROJECT CITIZEN'S NATIONAL BANK AT LONG GATE CENTER

AREA TAX MAP 24 BLOCK 24 PARCEL 0 ZONED B-2
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

11-27-96
DATE

DESIGNED BY : CJR

DRAWN BY : RFP

PROJECT NO : HOCO96050 SDF3.DWG

DATE : NOVEMBER 27, 1996

SCALE : 1"=20'

DRAWING NO. 3 OF 5

[Signature]
JAYKAM D. PAREKH #19148

