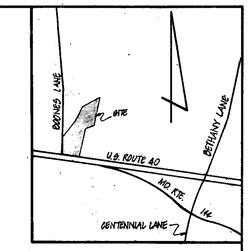
Date	Revision
2-12-10	Added An Open Deck w/ Steps To The Rear Of Building No. 5

OPERATION AND MAINTENANCE SCHEDULE
FOR
CENTENNIAL SQUARE OFFICE PARK

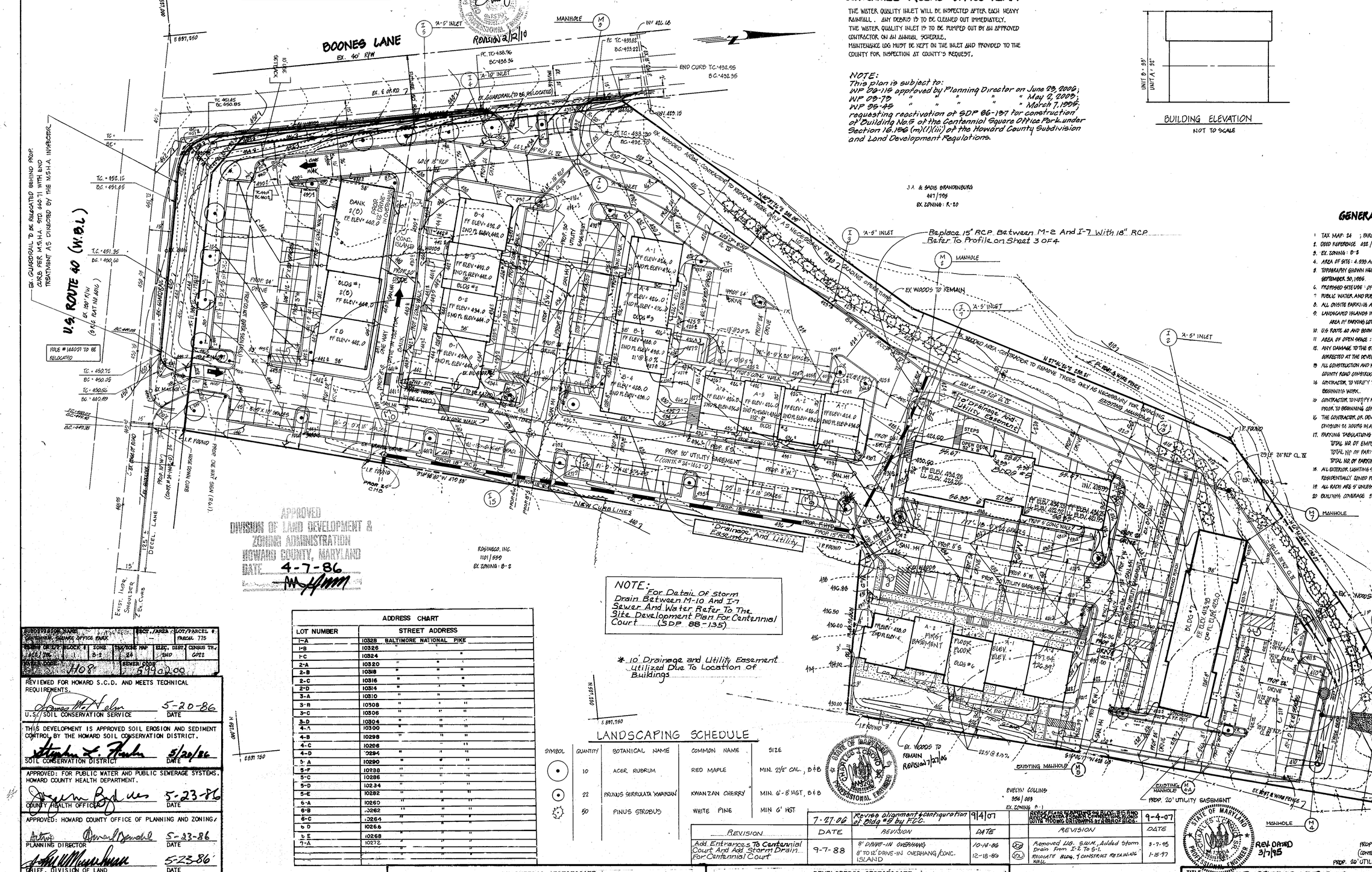
THE WATER QUALITY INLET WILL BE INSPECTED AFTER EACH HEAVY RAINFALL. ANY DEBRIS IS TO BE CLEANED OUT IMMEDIATELY. THE WATER QUALITY INLET IS TO BE PUMPED OUT BY AN APPROVED CONTRACTOR ON AN ANNUAL SCHEDULE. MAINTENANCE LOG MUST BE KEPT ON THE INLET AND PROVIDED TO THE COUNTY FOR INSPECTION AT COUNTY'S REQUEST.

NOTE:
This plan is subject to:
WP 00-115 approved by Planning Director on June 23, 2000;
WP 08-79 " " " " " May 2, 2008;
WP 09-45 " " " " " March 7, 1905;
requesting reactivation of SDP 86-137 for construction of Building No.5 of the Centennial Square Office Park under Section 16.156 (m)(1)(iii) of the Howard County Subdivision and Land Development Regulations.

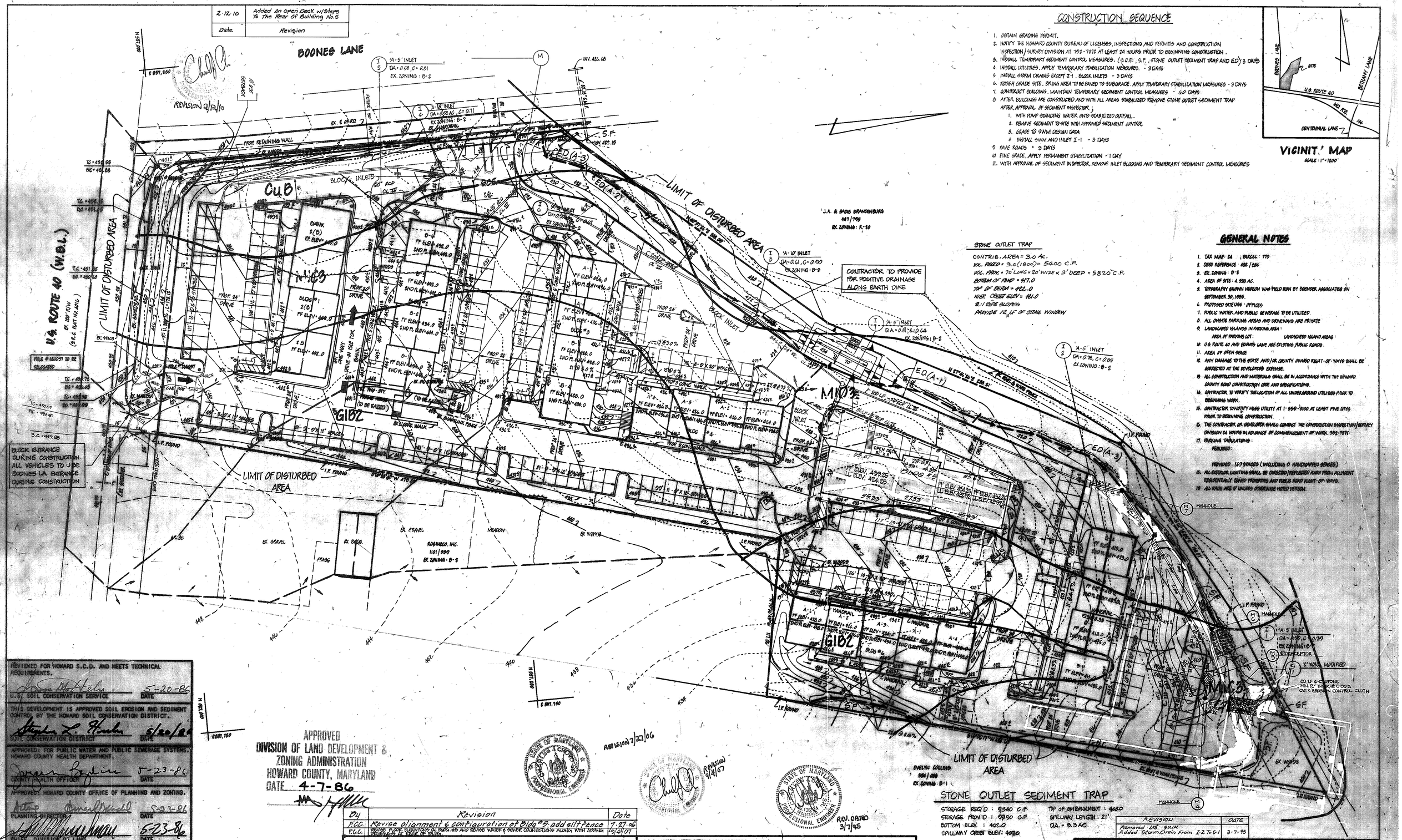
BUILDING ELEVATION
NOT TO SCALE



VICINITY MAP
SCALE: 1" = 1500'


BOONES LANE
EX. 40' R/W
REVISION 2/12/10
U.S. ROUTE 40 (W.B.L.)
EX. 80' R/W (9 LNS RAT NO 8016)
EX. GUARDRAIL TO BE RELOCATED BEHIND PROP. CURB PER M.S.H.A. STD. 660.71 WITH END TREATMENT AS DIRECTED BY THE M.S.H.A. INSPECTOR
POLE #188051 TO BE RELOCATED
BANK 2(D) FF ELEV= 440.0
BLDG #1 2(D) FF ELEV= 442.0
BLDG #2 B-1 B-2 B-3 B-4 FF ELEV= 490.0 2ND FL ELEV= 442.0
BLDG #3 A-1 A-2 A-3 A-4 FF ELEV= 424.0 2ND FL ELEV= 434.0
BLDG #5 FF ELEV= 434.26 LL ELEV= 423.00
BLDG #6 FIRST BASEMENT FLOOR ELEV.= 431.64 FLOOR ELEV.= 426.30
Drainage And Utility Easement
PROP. 50' UTILITY EASEMENT
NEW CURB LINES
ROSINECO, INC. 1101/550 EX. ZONING: B-2
J.A. & SADIE BRANDENBURG 447/195 EX. ZONING: R-20
EVELYN COLLINS 954/089 EX. ZONING: R-1
GRADING OPERATIONS
EX. WOODS TO REMAIN
Replace 15" RCP Between M-2 And I-7 With 18" RCP Refer To Profile on Sheet 3 OF 4
EXISTING MANHOLE
EXISTING MAILBOX
EX. WOODS TO REMAIN REVISION 7/27/06
EX. WOODS
EX. WOODS TO REMAIN
EX. WOODS TO REMAIN REVISION 2/12/10
EX. WOODS TO REMAIN REVISION 9/4/07
EX. WOODS TO REMAIN REVISION 3/7/95
EX. WOODS TO REMAIN REVISION 7/27/06

Date	Revision
2-12-10	Added An Open Deck w/Steps To The Rear Of Building No.5



CONSTRUCTION SEQUENCE

1. OBTAIN GRADING PERMIT.
2. NOTIFY THE HOWARD COUNTY BUREAU OF LICENSES, INSPECTIONS AND PERMITS AND CONSTRUCTION INSPECTION/SURVEY DIVISION AT 992-2270 AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.
3. INSTALL TEMPORARY SEDIMENT CONTROL MEASURES. (S.D.E., S.F., STONE OUTLET SEDIMENT TRAP AND ED) 3 DAYS
4. INSTALL UTILITIES. APPLY TEMPORARY STABILIZATION MEASURES. - 3 DAYS
5. INSTALL STORM DRAINS EXCEPT I-1, BLOCK INLETS - 3 DAYS
6. ROUGH GRADE SITE. BRING AREA TO BE PAVED TO SUBGRADE. APPLY TEMPORARY STABILIZATION MEASURES - 3 DAYS
7. CONSTRUCT BUILDING. MAINTAIN TEMPORARY SEDIMENT CONTROL MEASURES - 60 DAYS
8. AFTER BUILDINGS ARE CONSTRUCTED AND WITH ALL AREAS STABILIZED REMOVE STONE OUTLET SEDIMENT TRAP AFTER APPROVAL OF SEDIMENT INSPECTOR;
   1. WITH PUMP STANDING WATER ONTO STABILIZED OUTFALL.
   2. REMOVE SEDIMENT TO SITE WITH APPROVED SEDIMENT CONTROL
   3. GRADE TO SWM DESIGN DATA
   4. INSTALL SWM AND INLET I-1 - 3 DAYS
9. PAVE ROADS - 3 DAYS
10. FINE GRADE, APPLY PERMANENT STABILIZATION - 1 DAY
11. WITH APPROVAL OF SEDIMENT INSPECTOR, REMOVE INLET BLOCKING AND TEMPORARY SEDIMENT CONTROL MEASURES

GENERAL NOTES

1. TAX MAP: 24 ; PARCEL: 179
2. DEED REFERENCE: 498/284
3. EX. ZONING: B-2
4. AREA OF SITE: 4.930 AC.
5. TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY BOENDER ASSOCIATES ON SEPTEMBER 30, 1986.
6. PROPOSED SITE USE: OFFICES
7. PUBLIC WATER AND PUBLIC SEWERAGE TO BE UTILIZED.
8. ALL ONSITE PARKING AREAS AND DRIVEWAYS ARE PRIVATE
9. LANDSCAPED ISLANDS IN PARKING AREA:
   AREA OF PARKING LOT: LANDSCAPED ISLAND AREAS:
10. U.S. ROUTE 40 AND BOONES LANE ARE EXISTING PUBLIC ROADS.
11. AREA OF OPEN SPACE
12. ANY DAMAGE TO THE STATE AND/OR COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
13. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
14. CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.
15. CONTRACTOR TO NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION.
16. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. 992-2270
17. PARKING TABULATIONS:
    REQUIRED:
    PROVIDED: 163 SPACES (INCLUDING 9 HANDICAPPED SPACES)
18. ALL EXTERIOR LIGHTING SHALL BE DIRECTED/REFLECTED AWAY FROM ADJACENT RESIDENTIALLY ZONED PROPERTIES AND PUBLIC ROAD RIGHT-OF-WAYS.
19. ALL RADII ARE 5' UNLESS OTHERWISE NOTED HEREON.

STONE OUTLET TRAP

CONTRIB. AREA = 3.0 AC.
VOL. REQ'D = 3.0(1800) = 5400 C.F.
VOL. PROV. = 70' LONG × 20' WIDE × 3' DEEP = 5820 C.F.
BOTTOM OF POND = 417.0
TOP OF BERM = 422.0
WIER CREST ELEV = 421.0
2:1 SIDE SLOPES
PROVIDE 12 LF OF STONE WINGAW

STONE OUTLET SEDIMENT TRAP

STORAGE REQ'D: 9540 C.F.
STORAGE PROV'D: 9950 C.F.
BOTTOM ELEV.: 402.0
SPILLWAY CREST ELEV: 407.0
TOP OF EMBANKMENT: 408.0
SPILLWAY LENGTH: 21'
D.A. = 8.3 AC.

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE — DATE 5-20-86

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
SOIL CONSERVATION DISTRICT — DATE 5/20/86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER — DATE 5-23-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
PLANNING DIRECTOR — DATE 5-22-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-23-86

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR — DATE 5-26-86
CHIEF, BUREAU OF ENGINEERING — DATE 5-22-86

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-7-86

By	Revision	Date
F.C.C.	Revise alignment & configuration of Bldg #5, add silt fence	7-27-06
F.C.C.	REVISE PLANS TO REFLECT AS BUILT INFO AND REVISE WATER & SEWER CONNECTIONS ALONG WITH ADDITIONAL CHANGES AS PER AS BUILT	10/4/07

REVISION 7/27/06
REVISION 9/4/07
REV. DATED 3/7/95

ENGINEER'S CERTIFICATE

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

ENGINEER — DATE 5-8-86

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES 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 OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY

DEVELOPER — DATE 12/12/85

OWNER

CENTENNIAL ARMORY OWNERSHIP
1100 FENWICK LANE
SILVER SPRING, MARYLAND 20910

Earl Collins, et al.
10272 Dolt Not Rd
Ellicott City, MD 21042

DEVELOPER

STANDARD MANAGEMENT
1100 FENWICK LANE
SILVER SPRING, MARYLAND 20910

REVISION	DATE
Removed U.S. SWM Added Storm Drain From I-2 To S-1	3-7-95

TITLE: DRAINAGE AREA MAP, SOILS MAP AND SEDIMENT CONTROL PLAN
PROJECT: CENTENNIAL SQUARE OFFICE PARK
LOCATION: 5 ½ NO. ELECTION DISTRICT TAX MAP: 24 HOWARD CO., MD.

SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
1"=50'		D.R.	D.R.	OCTOBER, 1986
FIELD BOOK:	PAGE NO.:	JOB NO.:	DRAWING NO.:	
68	29 TO 121	85170	2 OF 4	

boender associates inc.
consulting engineers
land surveyors
land planners
COURTHOUSE SQUARE
8565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD. 21043
(301) 461-7777

SDP-86-137

SEDIMENT CONTROL NOTES

1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5) All disturbed areas must be stabilized within the specified period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector
7) Site Analysis:

Total Area of Site	4.6	Acres
Area Disturbed	2.3	Acres
Area to be roofed or paved	.5	Acres
Area to be vegetatively stabilized	2.3	Acres
Total Cut		Cu. yds
Total Fill		Cu. yds
Offsite waste/borrow area location		

8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

PERMANENT SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Sod seed. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1½ to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

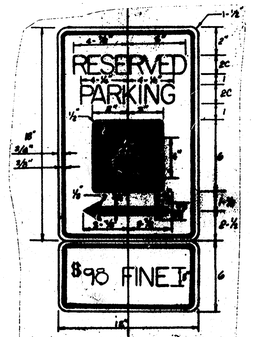
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2½ bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1½ to 2 tons per acre 670 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

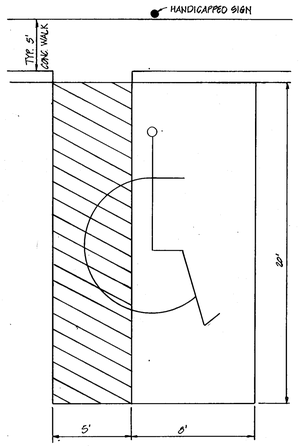
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



HANDICAPPED PARKING SIGN

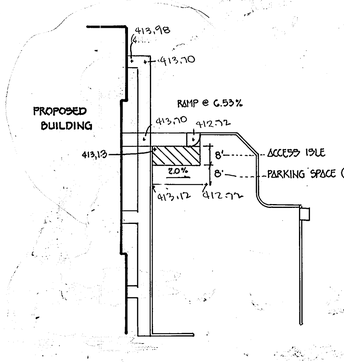
NOTES CONCERNING SIGN FINE SIGN AS PER HO. CO. BILL NO. 53-84.

1. SIGN TO UTILIZE AN ALUMINUM BLANK 0"x12" x 0.080" THICK WITH TWO (2) SINGLE POST MOUNTING HOLES
2. THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON R7-8, AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. TEXT SHALL BE 5" HIGH.
3. FINE SIGN TO BE MOUNTED AT A MINIMUM HEIGHT OF 7' AND A MAXIMUM HEIGHT OF 8'
4. NOT TO SCALE.



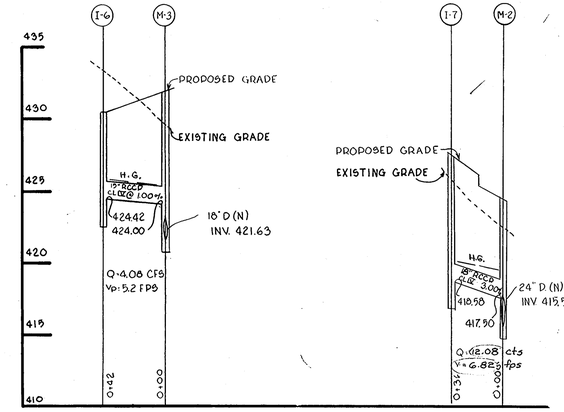
TYPICAL HANDICAPPED PARKING SPACE DETAIL

NOT TO SCALE



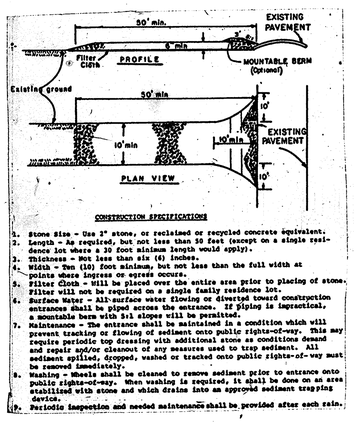
PARKING SPACE DETAIL

NOT TO SCALE



PROFILE

SCALES: HORIZ: 1"=50'
VERT: 1"=5'

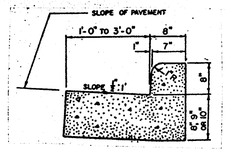


CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 30 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE - S.C.E.

NOT TO SCALE

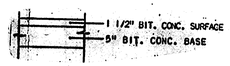


S.H.A. TYPE 'A' CURB & GUTTER

NOT TO SCALE

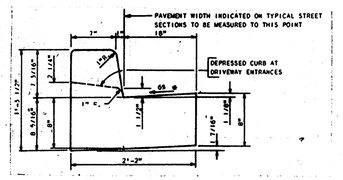
PAVING SECTION - P-1

NOT TO SCALE
(PARKING LOT)



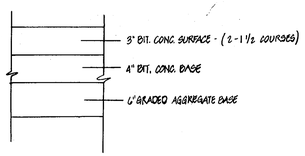
PAVING SECTION - P-2

NOT TO SCALE
(WIDENING AREA)



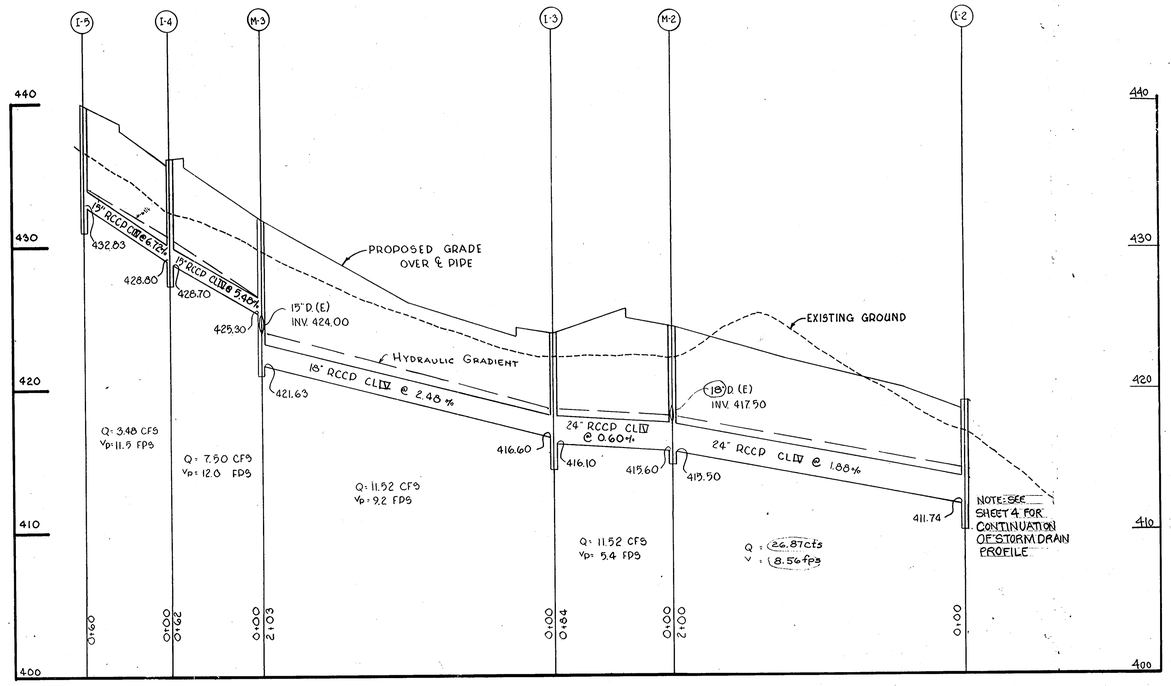
STD. 7" COMB. CURB AND GUTTER

NOT TO SCALE



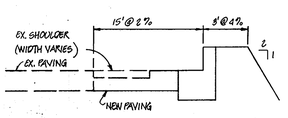
M.S.H.A. PAVING SECTION

NOT TO SCALE



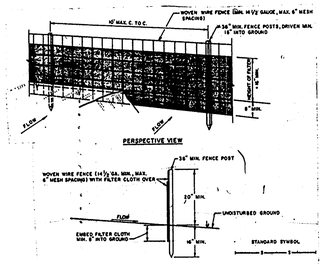
PROFILE

SCALES: HORIZ: 1"=50'
VERT: 1"=5'



TYPICAL SECTION : WIDENING ALONG U.S. RTE. 40

NOT TO SCALE



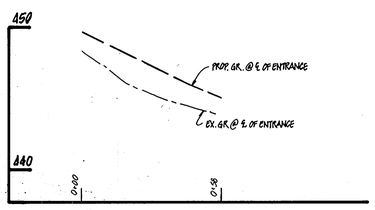
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14½ GA. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

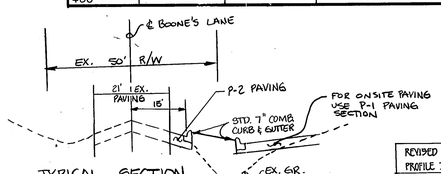
SILT FENCE - S.F.

NOT TO SCALE



DRIVEWAY ENTRANCE PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'



TYPICAL SECTION BOONES LANE WIDENING

Revision	Date
REVISED SD PROFILE I-1, REMOVED SD PROFILE I-2 TO S-2	3-7-95
Replace 15" RCP Between M-2 & I-2 To 18" RCP.	9-8-88

REV. DATES 3/7/95

OWNER & DEVELOPER

CENTENNIAL GENERAL PARTNERSHIP
1640 FENWICK LANE
SILVER SPRING, MARYLAND 20910

STANDARD MANAGEMENT
1640 FENWICK LANE
SILVER SPRING, MARYLAND 20910

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE — DATE 5-20-86

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
SOIL CONSERVATION DISTRICT — DATE 5/20/86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER — DATE 5-23-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
PLANNING DIRECTOR — DATE 5-23-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-23-86

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR — DATE 5-22-86
CHIEF, BUREAU OF ENGINEERING — DATE 5-22-86

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-7-86

STATE OF MARYLAND — WALTER HOWARD — No. 7290 — REGISTERED PROFESSIONAL ENGINEER
5-8-86

ENGINEER'S CERTIFICATE

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

ENGINEER — DATE 5-8-86

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES 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 OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY

DEVELOPER — DATE 12/12/85

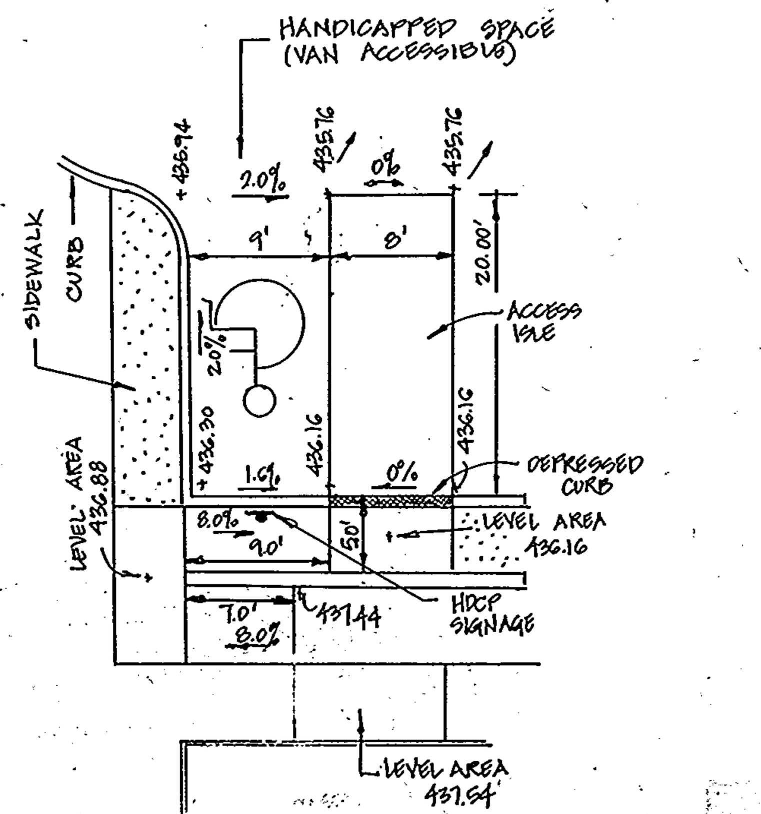
TITLE: DETAILS			
PROJECT: CENTENNIAL SQUARE OFFICE PARK			
LOCATION: 2ND ELECTION DISTRICT TAX MAP: 24 HOWARD CO., MD.			
SCALE: AS SHOWN	DESIGNED BY:	DRAWN BY:	CHECKED BY: DATE: DECEMBER, 1985
FIELD BOOK:	PAGE NO.:	JOB NO.: 85170	DRAWING NO.: 3 OF 4

boender associates inc.
consulting engineers
land surveyors
land planners
COURTHOUSE SQUARE
3565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD. 21043
(301) 465-7777

SDP-86-137

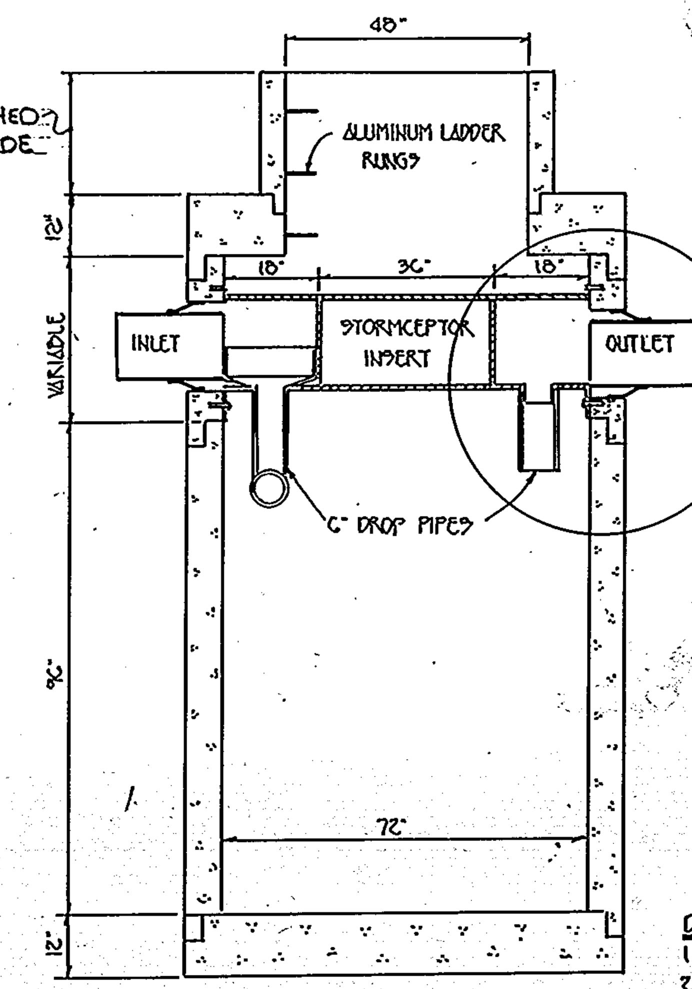
STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
I-2	Δ-5	411.74	410.00	419.1	ST. DET. SD-4.01
I-3	Δ-5	416.60	416.10	423.6	ST. DET. SD-4.01
I-4	Δ-10 W/DEFL	428.80	428.70	436.0	ST. DET. SD-4.02
I-5	Δ-5		432.80	439.8	ST. DET. SD-4.01
I-6	Δ-5		424.42	431.6	ST. DET. SD-4.01
I-7	Δ-5 W/DEFL		418.58	427.6	ST. DET. SD-4.01
M-2	PRECAST MANHOLE	415.60	415.50	424.5	ST. DET. G-5.12
M-3	PRECAST MANHOLE	425.3	421.63	432.0	ST. DET. G-5.12
S-1	TYPE C		403.00	407.25	ST. DET. SD-5.21
M-4	PRECAST MANHOLE	403.64	403.39	412.00	ST. DET. G-5.12
M-6	PRECAST MANHOLE	404.99	404.74	412.00	ST. DET. G-5.12
M-7	PRECAST MANHOLE	409.55	407.24	415.20	ST. DET. G-5.12
I-1	Δ-5	404.31	404.10	410.58	ST. DET. SD-4.01

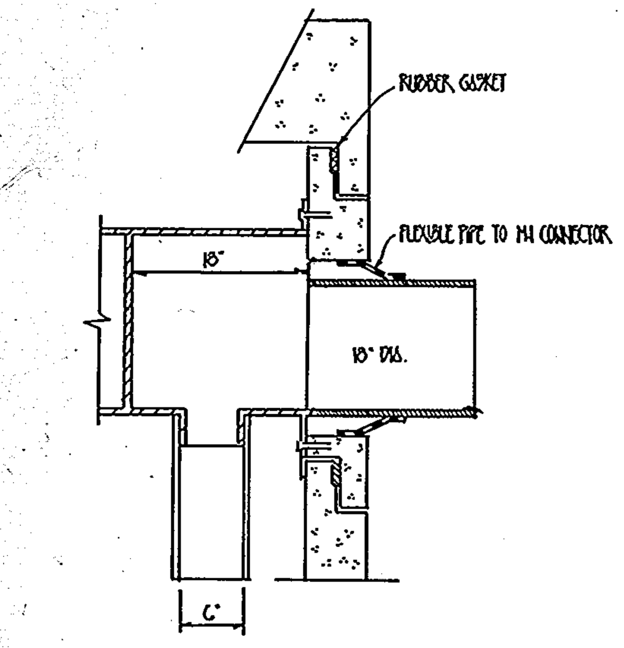


HANDICAPPED PARKING DETAIL

SCALE: 1"=10'



SECTION



ENLARGED OUTLET CONNECTION DETAIL

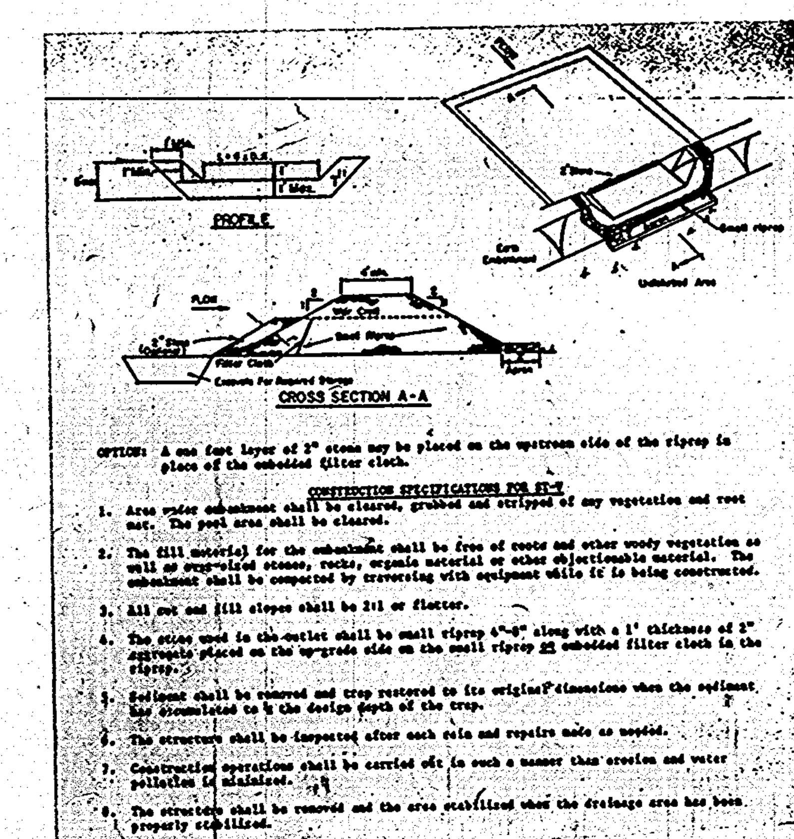
DESIGN SPECIFICATIONS:
1. MANUFACTURED TO CSA 257.4
2. CONCRETE STRENGTH = 30 MPa
3. REINFORCING STEEL = 450 MPa
4. WELDED WIRE FABRIC TO CSA G 30.5
5. CONCRETE COVER = 25mm min.
6. DESIGNED TO OHBDC A83 LOADING

STC 1500 PRECAST CONCRETE STORMCEPTOR

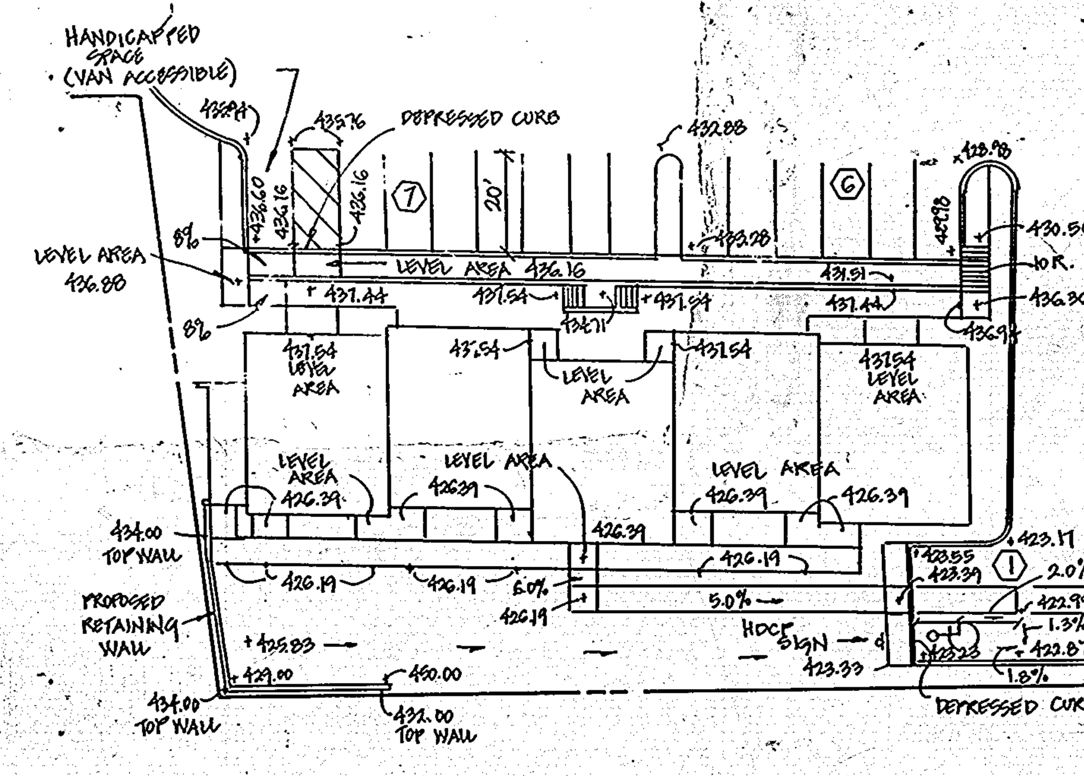
NOT TO SCALE

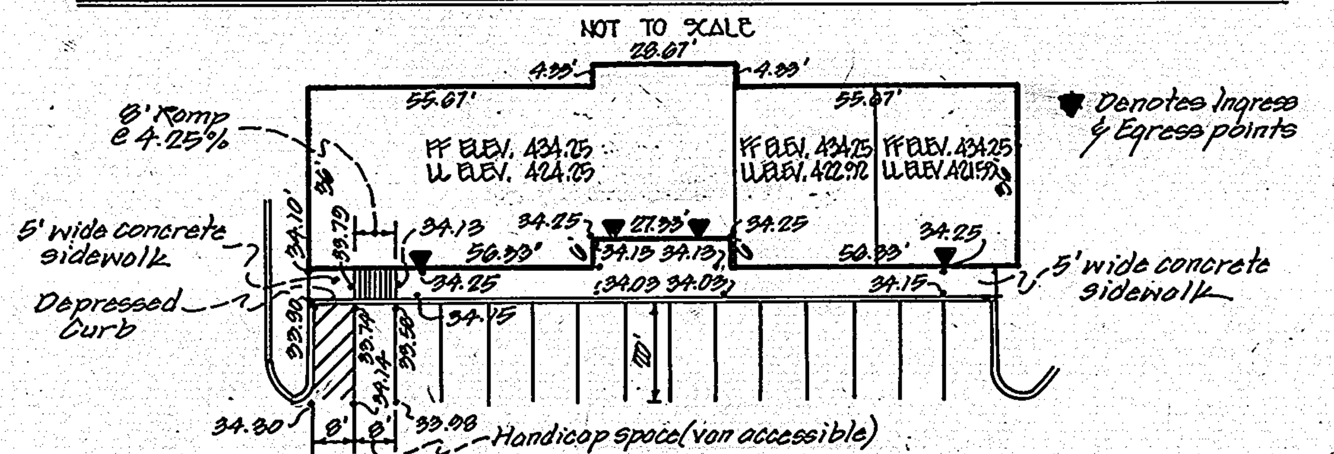
INSTALLATION INSTRUCTION

1. EXCAVATE TO A DEPTH OF 6" BELOW THE ELEVATION OF THE STRUCTURE.
2. PREPARE A COMPACTED MATERIAL BED IN THE BOTTOM OF THE EXCAVATION 6" DEEP. ENSURE COMPACTION TO 95% MODIFIED PROTOR.
3. PLACE UNIT IN EXCAVATION AT CORRECT ELEVATION AND CORRECT INLET/OUTLET DRAINS AFTER THE STRUCTURE IS LEVEL.
4. FILL TANK ONE-THIRD WITH WATER.
5. BACKFILL WITH MATERIAL IN LAYERS NOT EXCEEDING 8" THICK, COMPACTING CAREFULLY TO 95% M.P. CONTINUE TO FILL UNIT WITH WATER AS BACKFILLING PROGRESSES.
6. INSTALL EXTENSION COLLAR / COVER ASSEMBLY OVER NECK OF UNIT. LEVEL THE COVER PLATE AND MEASURE THE DISTANCE FROM THE PLATE TO THE FINISHED GRADE.
7. REMOVE EXTENSION AND CUT TO CORRECT LENGTH IF REQUIRED.
8. REPLACE EXTENSION, LEVEL AND SQUARE, AND SEAL TO UNIT BY ONE OF THE FOLLOWING:
   * WRAP OUTSIDE OF JOINT WITH FIBREGLASS IN IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED WITH A FIBREGLASSING KIT. NOTE THAT THIS METHOD APPLIES ONLY WHERE UNIT HAS BEEN SPECIFIED AND SUPPLIED WITH A FIBREGLASSING KIT.
   * DRILL FOUR EQUALLY SPACED HOLES AROUND THE COLLAR SO THAT THE EXTENSION AND THE NECK OF THE UNIT ARE BOTH DRILLED. USE POP RIVETS, OR PLATED THREADED FASTNERS TO JOIN, THEN FILL JOINT FROM THE INSIDE WITH A SILICONE BASED CAULK.
   * WHERE A FLEXIBLE JOINT MUST BE PROVIDED TO PREVENT LOAD TRANSFER, THE JOINT SHOULD BE FILLED FROM THE INSIDE WITH A SILICONE BASED CAULK. THE INSIDE SURFACE OF THE EXTENSION COLLAR WHERE IT OVERLAPS THE NECK OF THE UNIT MUST BE ROUGH SANDED, AND CARE MUST BE TAKEN THAT THE EXTENSION DOES NOT REST ON THE RIBS OR TOP OF THE UNIT.
9. COMPLETE BACKFILLING TO FINISH ELEVATION AND POUR FLOOR. IF THE UNIT IS OUTDOORS A SMALL CONCRETE PAD IS REQUIRED TO STABILIZE THE LID.
10. IF THERE IS NO FLOOR ABOVE THE UNIT, A CONCRETE PAD MUST BE POURED ABOVE THE UNIT TO PREVENT FLOTATION ALTERNATIVELY, A CONCRETE PAD MAY BE PLACED BELOW THE UNIT STRAPPED AND OR THREADED ROD USED TO HOLD THE UNIT IN PLACE. PLEASE SEE INSTALLATION INSTRUCTIONS.
11. ACCEPTABLE MATERIALS USED IN INSTALLATION ARE AS FOLLOWS:
   * PLEASE NOTE THAT STORMCEPTOR CANADA INTERCEPTORS REQUIRE A CLEAN NATURALLY-ROUNDED AGGREGATE WITH PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 3/4" IN DIAMETER. THE MATERIAL IS COMMONLY CALLED PEA GRAVEL.
   * WASHED STONE OR GRAVEL CRUSHINGS WITH ANGULAR PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 1/2" ARE ACCEPTABLE AS AN ALTERNATE MATERIAL.
   * WASHED SAND OR OTHER MATERIALS ACCEPTABLE TO THE MUNICIPAL PLUMBING INSPECTOR OR BUILDING INSPECTOR.



STONE OUTLET SEDIMENT TRAP





Denotes Ingress & Egress points

BUILDING #5 FOOTPRINT & HANDICAP DETAIL

Scale: 1"=30'

STRUCTURAL NOTES

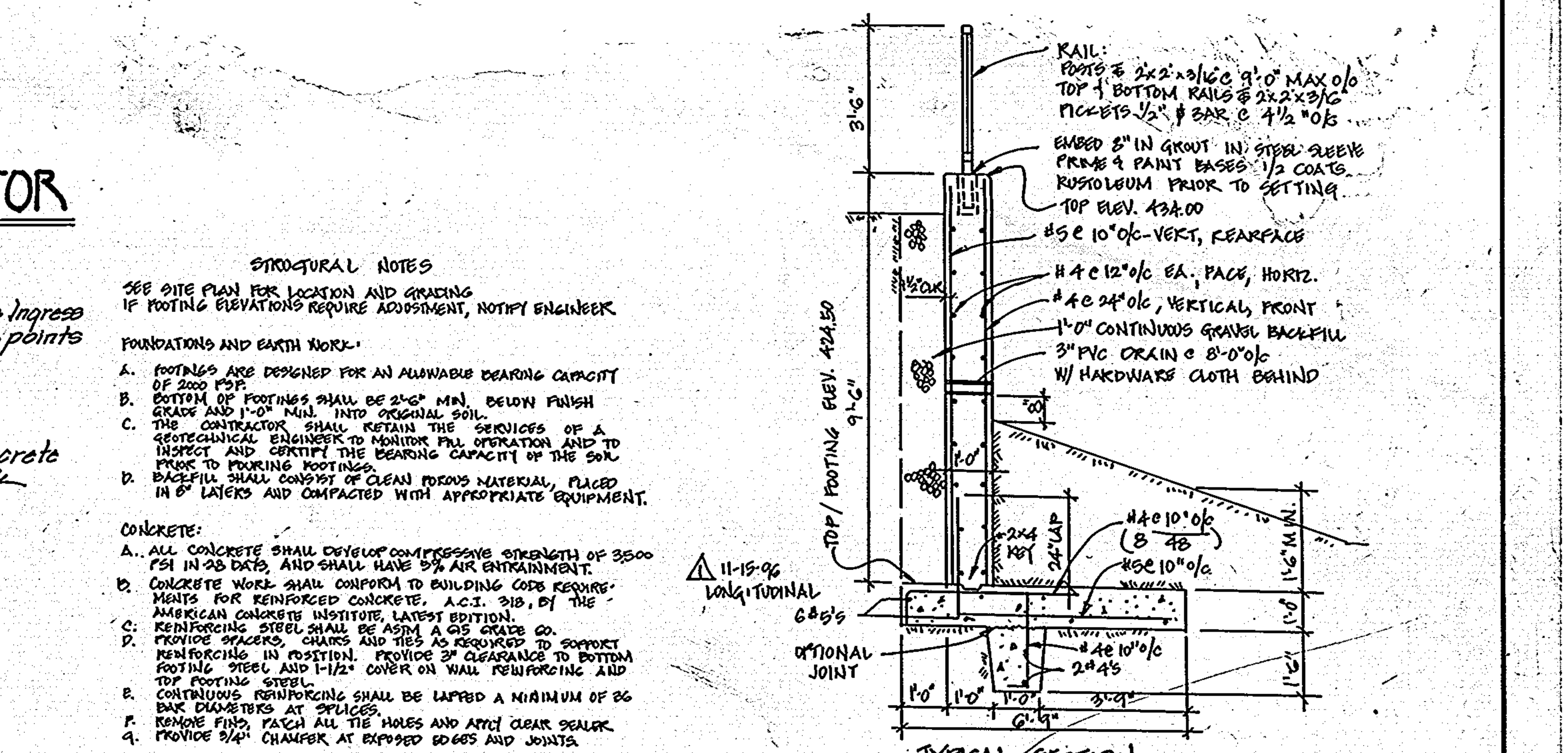
SEE SITE PLAN FOR LOCATION AND GRADING
IF FOOTING ELEVATIONS REQUIRE ADJUSTMENT, NOTIFY ENGINEER

FOUNDATIONS AND EARTH WORK:

A. FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 2000 PSF.
B. BOTTOM OF FOOTINGS SHALL BE 2'-6" MIN. BELOW FINISH GRADE AND 1'-0" MIN. INTO ORIGINAL SOIL.
C. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO MONITOR FILL OPERATION AND TO INSPECT AND CERTIFY THE BEARING CAPACITY OF THE SOIL PRIOR TO POURING FOOTINGS.
D. BACKFILL SHALL CONSIST OF CLEAN POROUS MATERIAL, PLACED IN 6" LAYERS AND COMPACTED WITH APPROPRIATE EQUIPMENT.

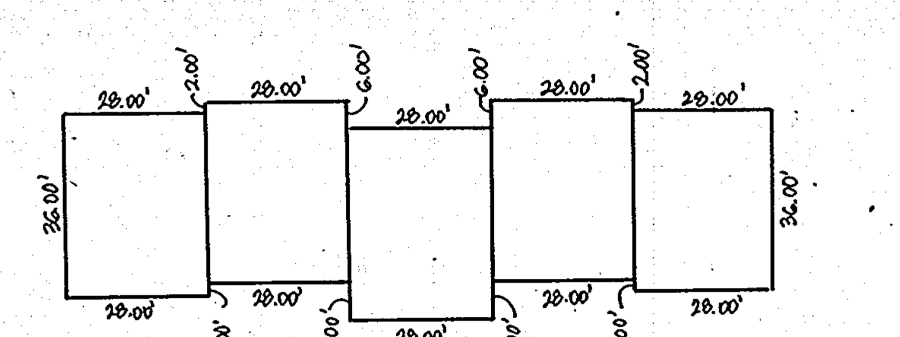
CONCRETE:

A. ALL CONCRETE SHALL DEVELOP COMPRESSIVE STRENGTH OF 3500 PSI IN 28 DAYS, AND SHALL HAVE 5% AIR ENTRAINMENT.
B. CONCRETE WORK SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, A.C.I. 318, BY THE AMERICAN CONCRETE INSTITUTE, LATEST EDITION.
C. REINFORCING STEEL SHALL BE ASTM A 615 GRADE 60.
D. PROVIDE SPACERS, CHAIRS AND TIES AS REQUIRED TO SUPPORT REINFORCING IN POSITION. PROVIDE 3" CLEARANCE TO BOTTOM FOOTING STEEL AND 1-1/2" COVER ON WALL REINFORCING AND TOP FOOTING STEEL.
E. CONTINUOUS REINFORCING SHALL BE LAPPED A MINIMUM OF 36 BAR DIAMETERS AT SPLICES.
F. REMOVE FINS, PATCH ALL TIE HOLES AND APPLY CLEAR SEALER.
G. PROVIDE 3/4" CHAMFER AT EXPOSED EDGES AND JOINTS.



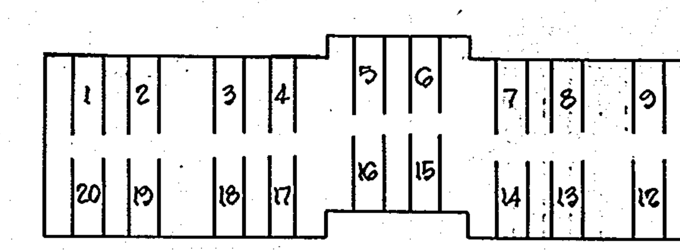
TYPICAL SECTION

NOT TO SCALE



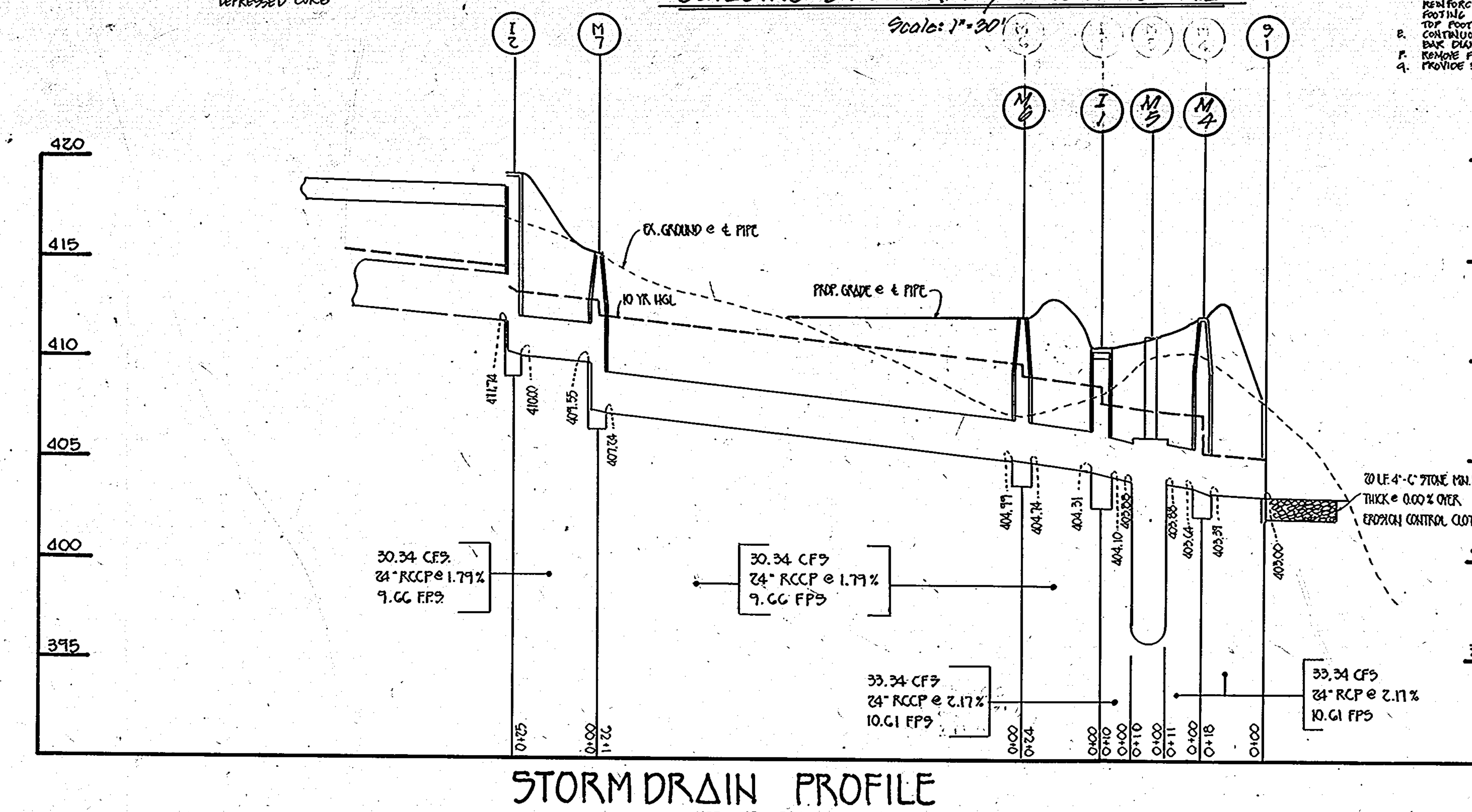
TYPICAL FOOT PRINT

NOT TO SCALE



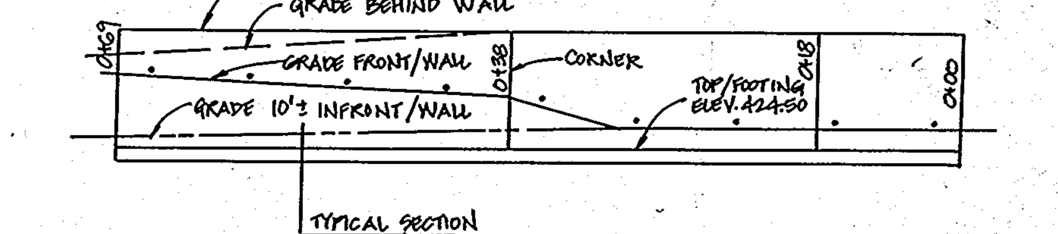
LOWER LEVEL FOOTPRINT BUILDING #5

NOT TO SCALE



STORM DRAIN PROFILE

SCALE: HOR. 1" = 30' VERT. 1" = 5'



ELEVATION (UNFOLDED)

NOT TO SCALE

REVISION	DATE
ADDED PROFILE FOR I-2 TO S-1, REVISED STRUCTURE SCHEDULE.	3-7-95
ADD TYP. SECTION DETAILS & ELEV. & NEW PARKING LAYOUT	1-15-97

REVISION 7/27/06 — REVISION 9/4/07 — REV. DATED 3/7/95

By	Revision	Date
F.G.C.	Add Bldg #5 Footprint & Handicap Detail	7.27.06
F.G.C.	REVISE FLOOR ELEVATIONS ON BLDG #5 AND REVISE WATER & SEWER CONNECTIONS ALONG WITH ADDING DRIVEWAYS AT REAR OF BLDG. & ADDED BUILDING FOOTPRINT WITH PARKING	9/4/07

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE — DATE 5-20-86

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
SOIL CONSERVATION DISTRICT — DATE 5/20/86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER — DATE 5-23-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING:
PLANNING DIRECTOR — DATE 5-23-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-23-86

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR — DATE 5-22-86
CHIEF, BUREAU OF ENGINEERING — DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-7-86

Walter Novash 5-8-86

ENGINEER'S CERTIFICATE

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

ENGINEER: Walter Novash — DATE 5-8-86

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY

DEVELOPER — DATE 12/12/85

OWNERS & DEVELOPER

CENTENNIAL GENERAL PARTNERSHIP
1420 FENWICK LANE
SILVER SPRING, MARYLAND 20910
Earl Collins, Et.al.
10272 Baltimore National Pike
Ellicott City, Maryland 21042

STANDARD MANAGEMENT
1420 FENWICK LANE
SILVER SPRING, MARYLAND 20910

TITLE: SWM PROFILES & DETAILS
PROJECT: CENTENNIAL SQUARE OFFICE PARK
LOCATION: 2ND ELECTION DISTRICT TAX MAP 24 HOWARD CO., MD.

SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE: DECEMBER, 1985
FIELD BOOK:	PAGE NO.:	JOB NO.: 85175	DRAWING NO.: 4 OF 4	

boender associates inc.
consulting engineers
land surveyors
land planners
COURTHOUSE SQUARE
3565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD. 21043
(301) 465-7777

SDP-86-137