

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS

DIRECTOR
[Signature]
CHIEF, BUREAU OF ENGINEERING

DATE
12-18-86

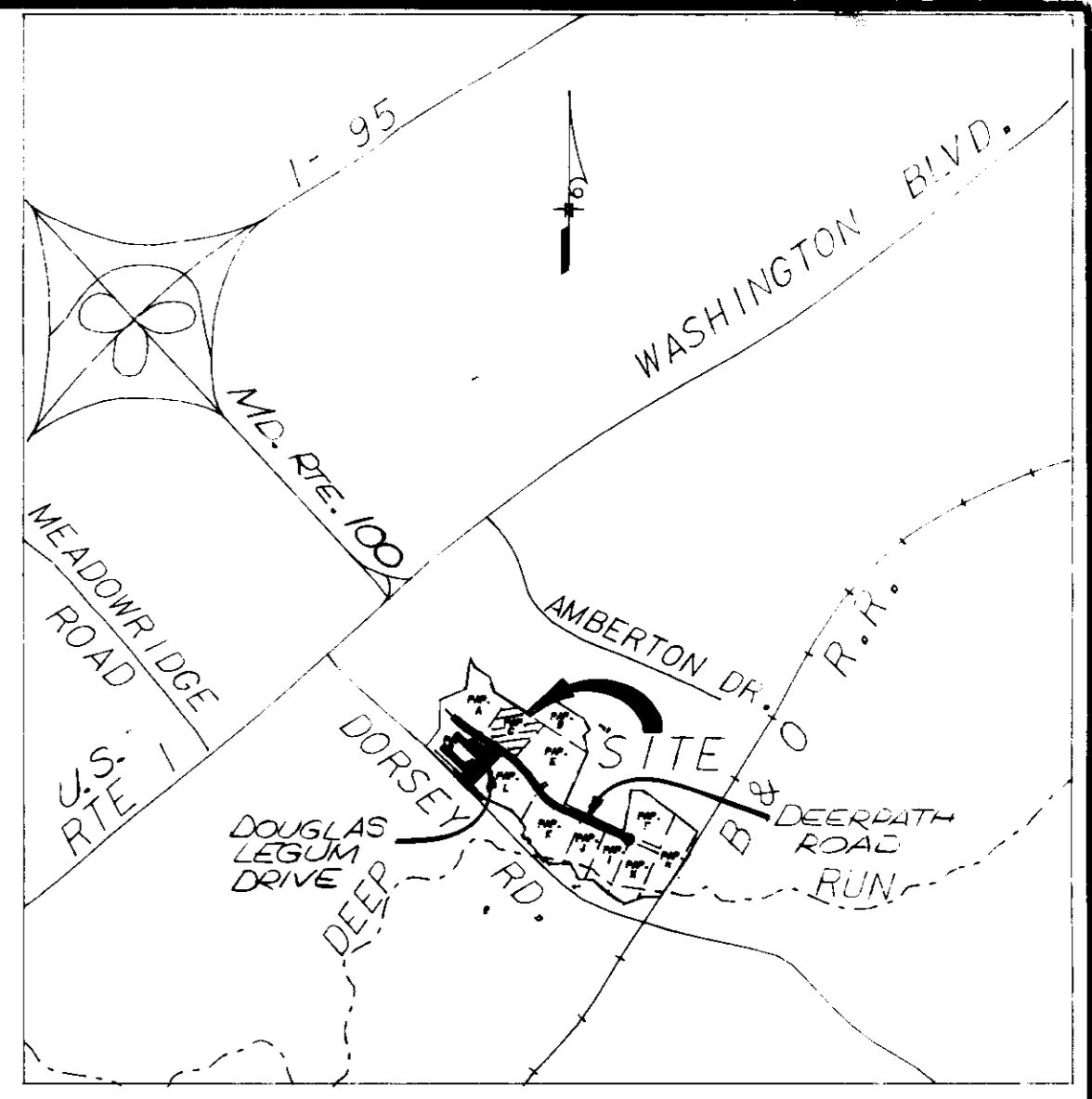
APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 12-19-86
COUNTY HEALTH OFFICER DATE

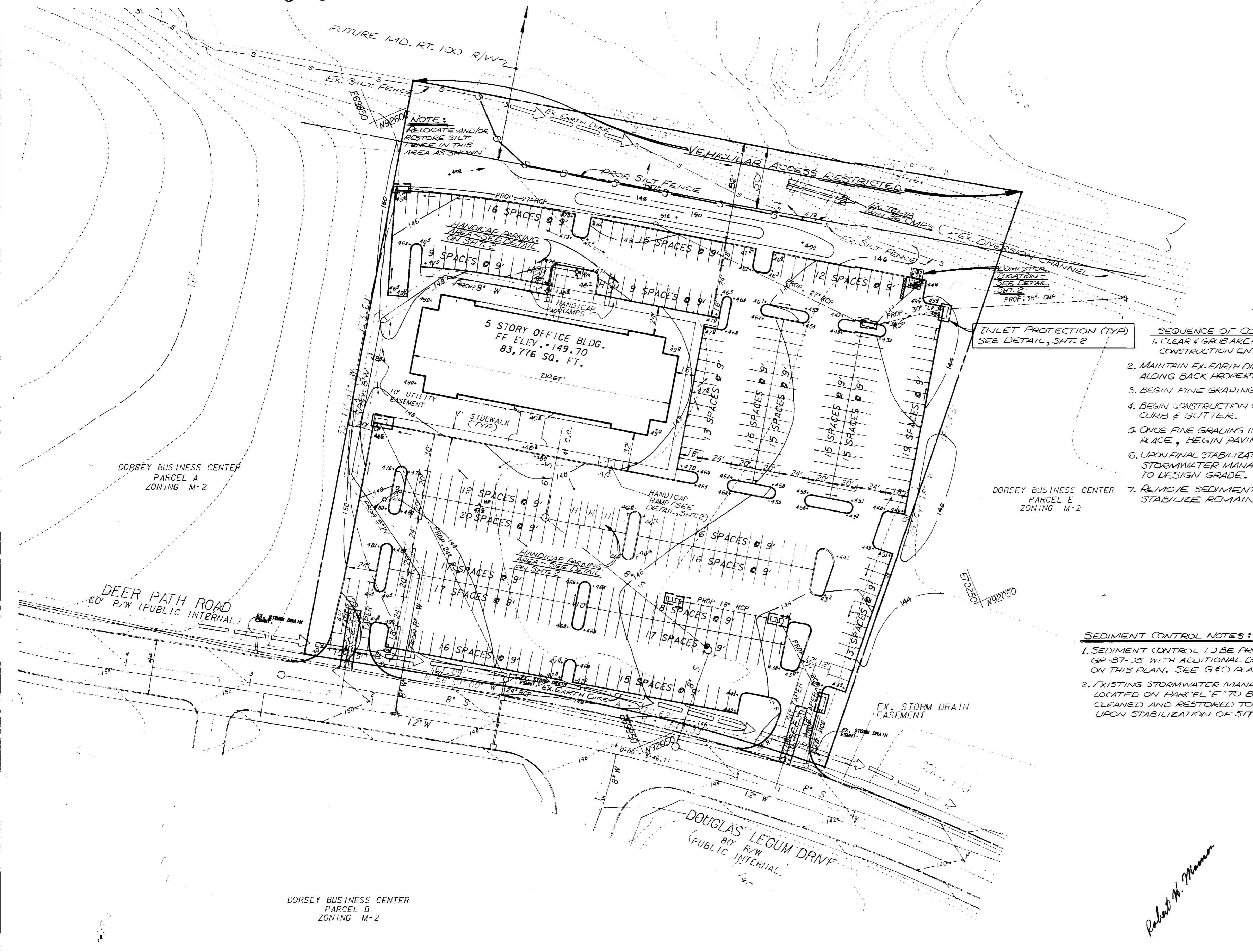
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 12-22-86
PLANNING DIRECTOR DATE

[Signature] 12-22-86
CHIEF, DIV. OF LAND DEVELOPMENT & ZONING ADMIN. DATE



VICINITY MAP
SCALE 1" = 2000'



- SEQUENCE OF CONSTRUCTION**
1. CLEAR & GRUB AREAS NECESSARY AND CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AND SILT FENCE.
 2. MAINTAIN EX. EARTH DIKE ALONG DEERPATH RD. AND SILT FENCE ALONG BACK PROPERTY LINE AS NECESSARY.
 3. BEGIN FINE GRADING.
 4. BEGIN CONSTRUCTION OF BUILDING, SITE UTILITIES AND CURB & GUTTER.
 5. ONCE FINE GRADING IS COMPLETE AND UTILITIES ARE IN PLACE, BEGIN PAVING CONSTRUCTION.
 6. UPON FINAL STABILIZATION OF SITE, CLEAN AND RESTORE STORMWATER MANAGEMENT POND #3 ON PARCEL "E" TO DESIGN GRADE.
 7. REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING AREAS.

SEDIMENT CONTROL	
BY THE DEVELOPER:	I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT MANY 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.
SIGNATURE OF DEVELOPER	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 OF ENGINEER	DATE
REVIEWED FOR:	HOWARD S.C.D.
AND MEETS TECHNICAL REQUIREMENTS.	
SIGNATURE OF ENGINEER	DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.	
SIGNATURE OF ENGINEER	DATE

- SEDIMENT CONTROL NOTES:**
1. SEDIMENT CONTROL TO BE PROVIDED UNDER GP-87-05 WITH ADDITIONAL DEVICES AS SHOWN ON THIS PLAN. SEE G+O PLAN R-1364-X.
 2. EXISTING STORMWATER MANAGEMENT POND LOCATED ON PARCEL "E" TO BE COMPLETELY CLEANED AND RESTORED TO DESIGN GRADE UPON STABILIZATION OF SITE.

NOTE:
- ALL EXISTING STRUCTURES INCLUDING BUILDINGS, RETAINING WALLS, BLEACHERS & BOLLARDS ARE TO BE REMOVED.
- ALL RADII ARE 5' UNLESS OTHERWISE NOTED

SITE ANALYSIS:

AREA OF PARCEL 5.06478 AC. (220,621.84 SQ. FT.)
ZONING M-2
FLOOR SPACE (5-STORY BLDG.) 83,776 SQ. FT.
MAXIMUM NUMBER OF EMPLOYEES 400

PARKING
REQUIRED @ 7 SPACES/ 10 EMPLOYEES; 346 SPACES PROVIDED

STANDARD	341 SPACES
HANDICAP	8 SPACES
TOTAL	349 SPACES

OPEN SPACE AREA 79,222 SQ. FT. = 35.9%
BUILDING COVERAGE 16,800 SQ. FT. = 7.6%
PARKING LOT AREA 115,923 SQ. FT. = 52.5%
ISLAND AREA 2000 SQ. FT. = 1.0%
(% OF PARKING LOT AREA)

9-25-86
[Signature]

[Signature]

DORSEY BUSINESS CENTER LIMITED PARTNERSHIP
7223 PARKWAY DRIVE
HANOVER, MARYLAND 21076

No.	REVISION	DATE	BY

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

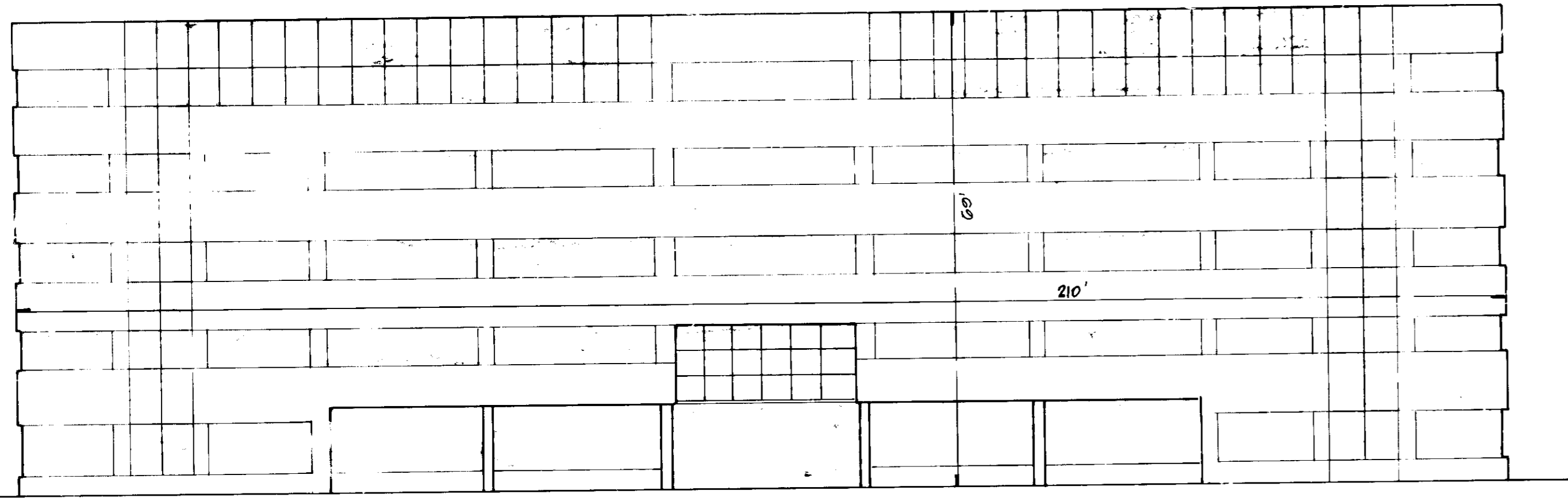
GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
(301)948-0900

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • EXPORT, PA • FAIRFAX, VA
GREENBELT, MD • MANASSAS, VA • MONROE, MI • RALEIGH, NC • TAMPA, FL

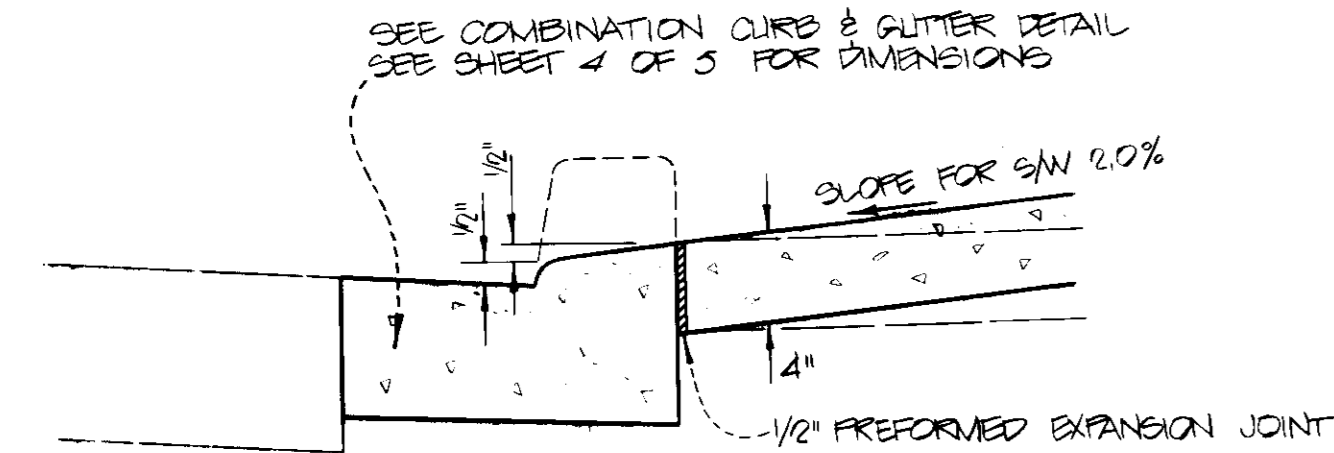
SITE DEVELOPMENT AND SEDIMENT CONTROL
SECTION 1, PARCEL "C"
DORSEY BUSINESS CENTER
FIRST ELECTION DISTRICT
HOWARD CO., MARYLAND

RKM DESIGN	SCALE 1" = 40'
CADD/JDP DRAWN	1 OF 5
RHAM CHECKED	SHEET
AUG., 86 DATE	R-1355-1 FILE No.
JOB No.	SDP-87-44

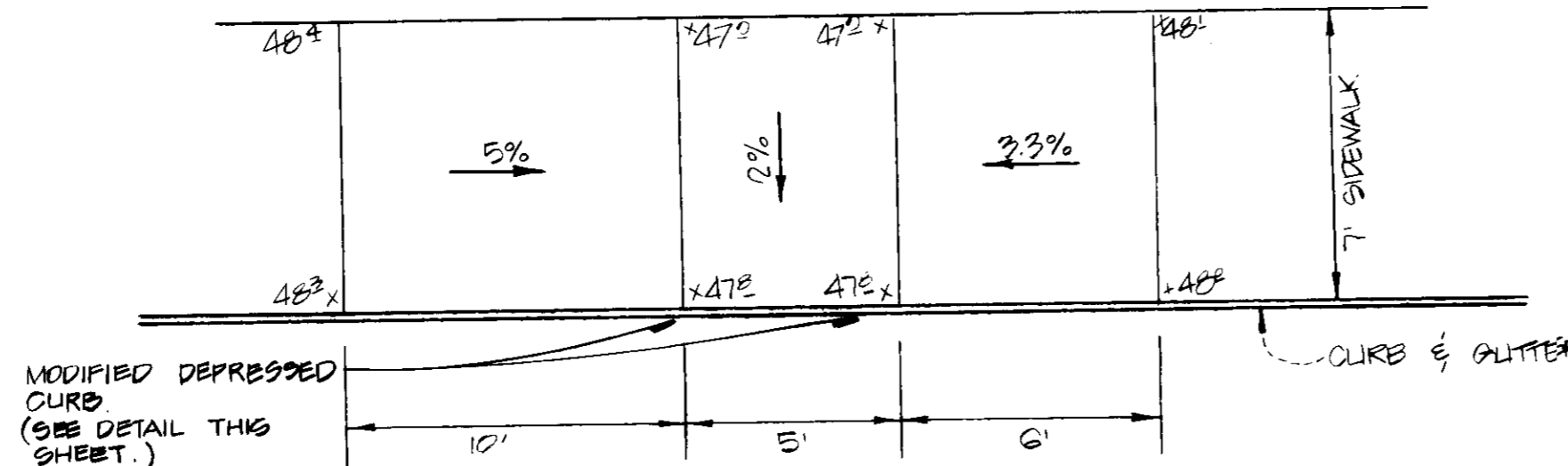
ADDRESS CHART		SUBDIVISION NAME		SECT./AREA	LOT/PARCEL
PARCEL	STREET ADDRESS	DORSEY BUSINESS CENTER			
C	6010 DEERPATH ROAD	PLAT NO. 6916	BLOCK NO. 24	TAX/ZONE MAP/ELEC. DIST. 37	CENSUS TR. 6012
		WATER CODE 001		SEWER CODE 220000	



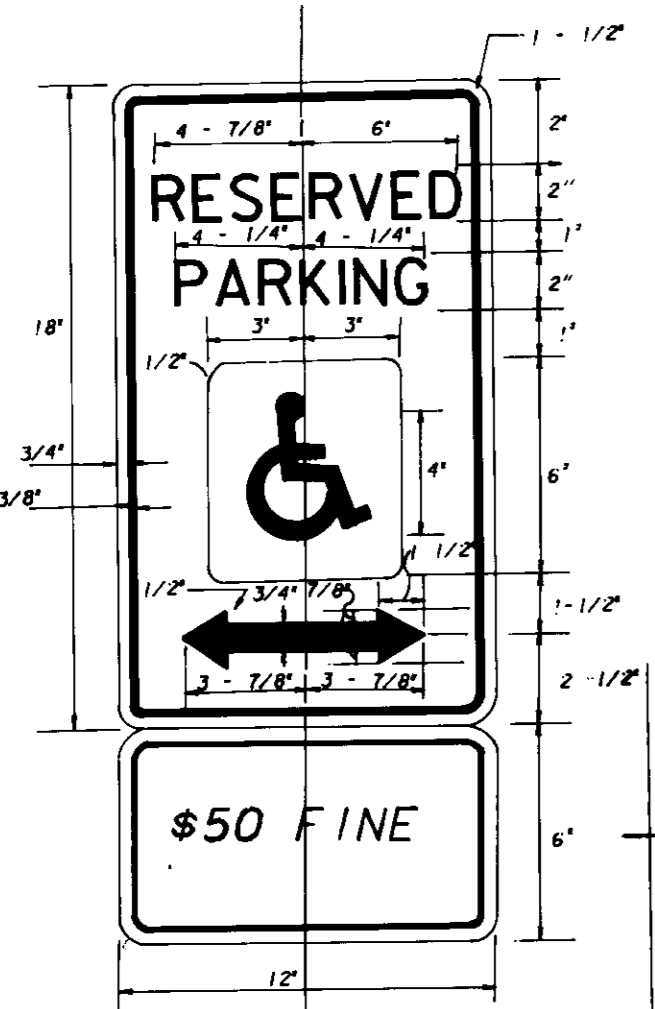
PROFILE PROPOSED FIVE STORY OFFICE BUILDING
NOT TO SCALE (NORTH ELEVATION OF BUILDING)



MODIFIED DEPRESSED CURB
(FOR HANDICAP ACCESS)
NOT TO SCALE

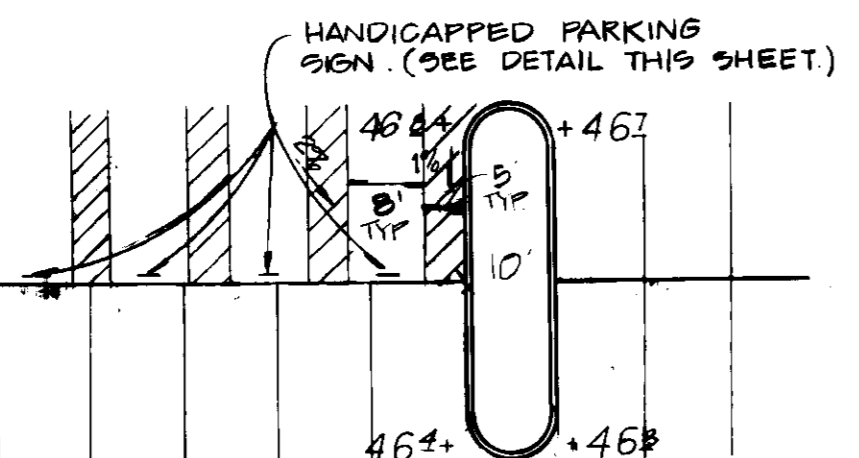


HANDICAP RAMP DETAIL
NOT TO SCALE

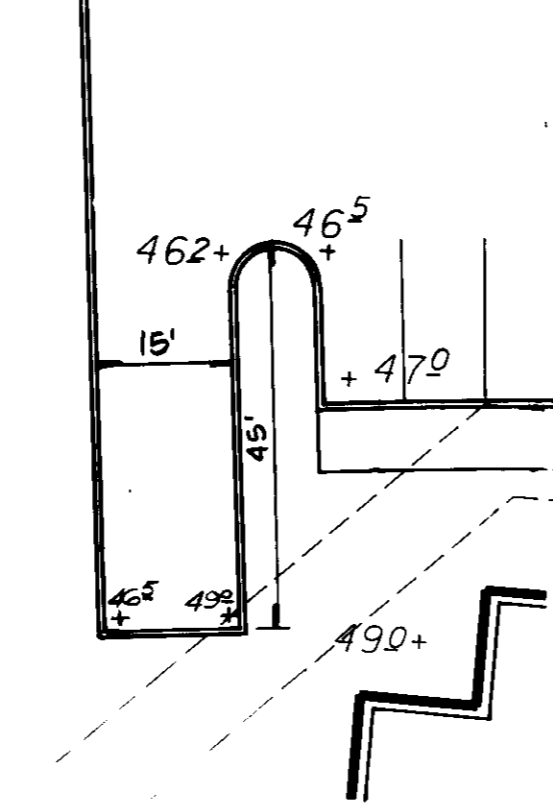


HANDICAPPED PARKING SIGN

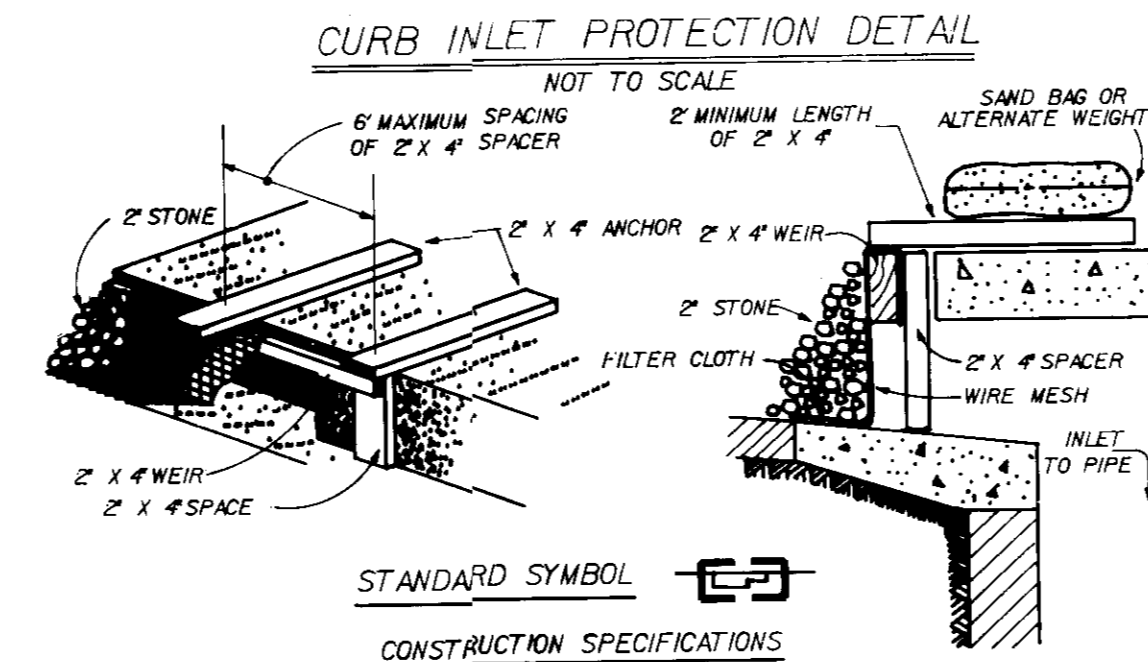
NOTES GOVERNING \$50 FINE SIGN AS PER MD. CO. BILL NO. 58-84
1. SIGN TO UTILIZE AN ALUMINUM BLANK 6" X 12" X 0.008" THICK WITH TWO (2) SINGLE POST MOUNTING HOLES.
2. THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON R 7-6, AND THE BACKGROUND SHALL BE 3" HIGH.
3. NOT TO SCALE.



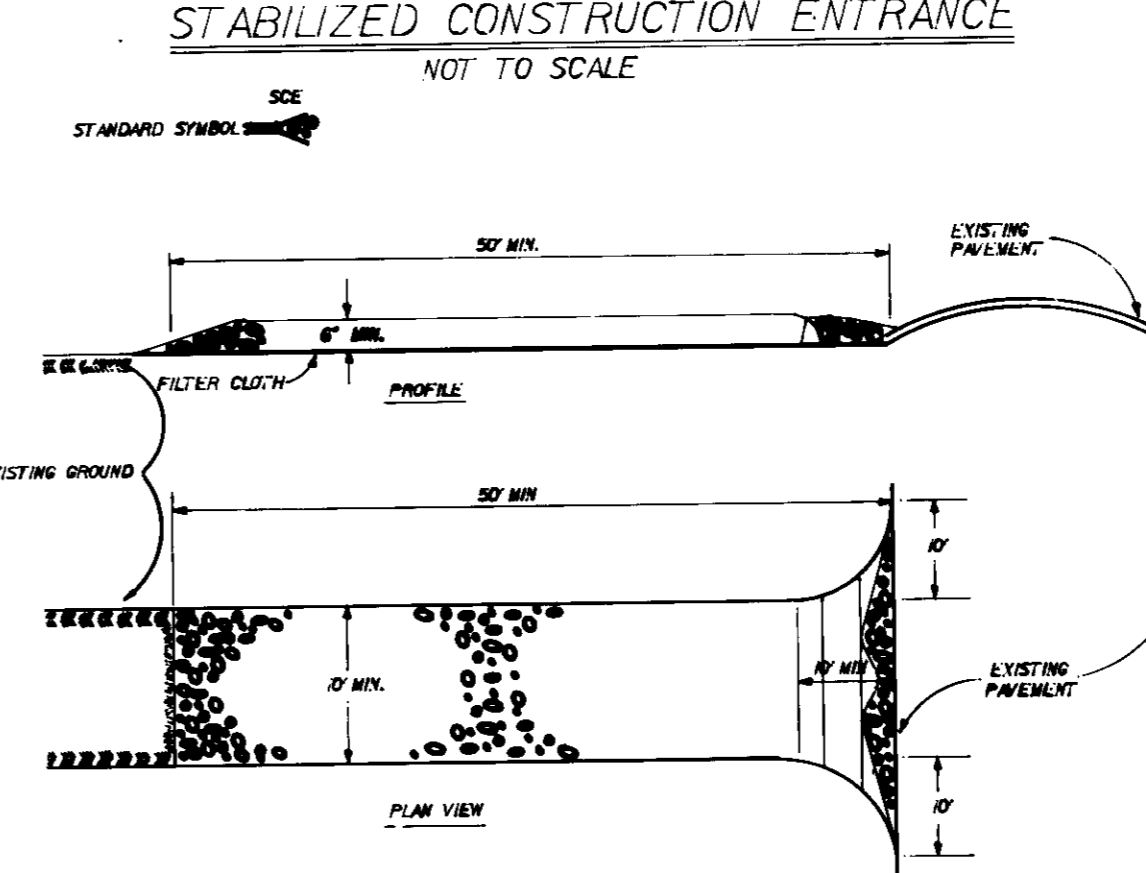
HANDICAP PARKING AT FRONT OF BUILDING
NOT TO SCALE



LOADING AREA
NOT TO SCALE

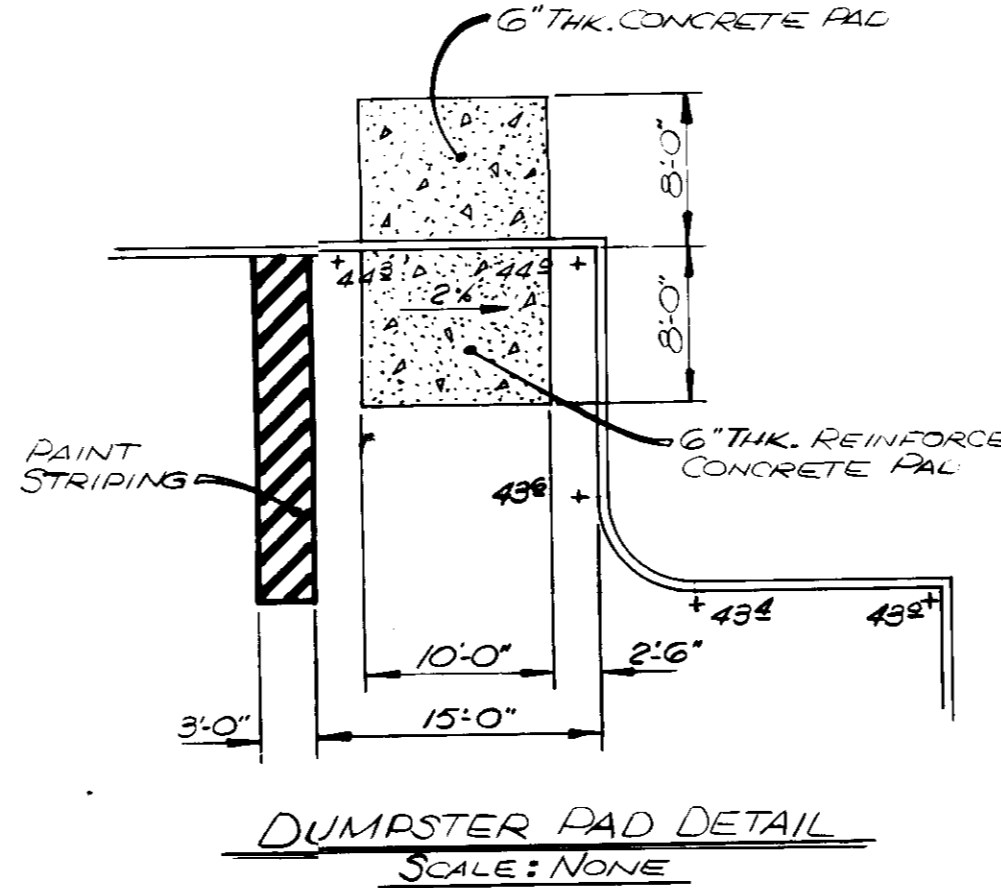


CONSTRUCTION SPECIFICATIONS
I. MATERIALS FRAME
A. WOODEN IS TO BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
B. WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC AND STONE FOR CURB INLETS, WITH WATER FULLY IMPROVED AGAINST IT.
C. FILTER CLOTH MUST BE OF A TYPE APPROVED FOR THIS PURPOSE, RESISTANT TO SUNLIGHT WITH SINK SIZE, LOS, 40-85, TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT.
D. STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH.
II. PROCEDURE
CURB INLET PROTECTION
1. ATTACH A CONTINUOUS PIECE OF WIRE MESH (30 MIN. WIDTH BY THROAT LENGTH PLUS 4" TO THE 2" X 4" WEIR (MEASURING THROAT LENGTH THROAT LENGTH SHOWN ON THE STANDARD DRAWING).
2. PLACE A PIECE OF APPROVED FILTER CLOTH (40-85 SIEVE) OF THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2" X 4" WEIR.
3. SECURELY NAIL THE 2" X 4" WEIR TO 2" LONG VERTICAL SPACERS TO BE LOCATED BETWEEN THE WEIR AND INLET FACE (MAX. 6" 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 WEIGHTS.
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 WIRE MESH AND FILTER CLOTH TO THE CONCRETE GUTTER AND AGAINST THE FACE OF CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 2" STONE OVER THE WIRE MESH AND FILTER FABRIC IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE FILTER CLOTH.
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 INLET BY INSTALLING TEMPORARY EARTH OR ASPHALT DIKES DIRECTING FLOW INTO INLET.

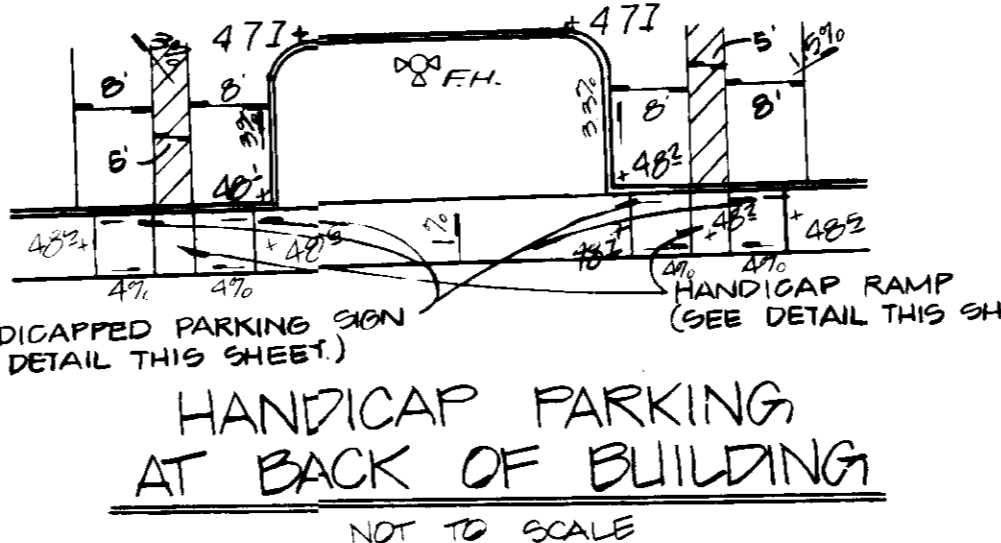


CONSTRUCTION SPECIFICATIONS
I. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
II. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
III. THICKNESS NOT LESS THAN SIX (6) INCHES.
IV. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
V. FILTER CLOTH - WILL BE REQUIRED ON THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
VI. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE.
VII. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
VIII. WASHING - TRUCKS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
IX. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

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.
2. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH 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 PERMANENT SEDIMENT CONTROL STRUCTURES, DIKES, PERMANENT 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 HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:
TOTAL AREA OF SITE 5.06 ACRES
AREAS DISTURBED 5.06 ACRES
AREA TO BE ROOFED OR PAVED 2.9 ACRES
AREA TO BE VEGETATIVELY STABILIZED 2.7 ACRES
TOTAL CUT CU. YDS.
TOTAL FILL CU. YDS.
OFFSITE WASTE/ 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 BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.



DUMPSTER PAD DETAIL
SCALE: NONE



HANDICAP PARKING AT BACK OF BUILDING
NOT TO SCALE

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.
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 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/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/100 sq ft) before seeding. Harrow or disc into upper three inches of soil.
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. Harrow 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 (1 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February, 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) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
Mulching - Apply 1 1/2 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 of 218 gallons per acre (5 gal/1000 sq ft) or mulchified 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.
Seeded 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 the period March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (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 1 1/2 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 gal per acre (5 gal/1000 sq ft) for anchoring.
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rates and methods not covered.

SEDIMENT CONTROL

By the Developer:
I certify that all development and construction will be done according to this plan, and that my professional responsibility is to the owner. I have a Certificate of Registration as a Department of Natural Resources Approved Professional Engineer for the control of Sediment and Erosion beginning the date of this plan.
Signature of Developer: [Signature] Date: 8/26/86

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 of Engineer: Robert H. Mamm Date: 8-22-86

Reviewed for: Howard S.C.D. Name: [Name] Date: [Date]

on file Technical Requirements: [Signature] Date: 8-22-86

U.S. Soil Conservation Service: [Signature] Date: [Date]

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] Date: [Date]

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS
[Signature] Date: 12/18/86
DIRECTOR
[Signature] Date: 12-18-86
CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] Date: 12-19-86
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] Date: 12-22-86
PLANNING DIRECTOR
[Signature] Date: 12-22-86
CHIEF, DIV. OF LAND DEVELOPMENT & ZONING ADMIN.

DORSEY BUSINESS CENTER LIMITED PARTNERSHIP
7223 PARKWAY DRIVE
HANOVER, MARYLAND 21076

No.	REVISION	DATE	BY

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GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
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GREENBELT, MD • MANASSAS, VA • MONROE, MI • RALEIGH, NC • TAMPA, FL

SITE AND SEDIMENT CONTROL DETAILS
SECTION 1, PARCEL 'C'
DORSEY BUSINESS CENTER
FIRST ELECTION DISTRICT
HOWARD CO., MARYLAND

J.L.C./R.K.M.
DESIGN SCALE AS SHOWN
G.A.P./B.L.P.
DRAWN 2 OF 5
K.H.M.
CHECKED SHEET
AUG. 1986 DATE R-1355-X FILE NO.
SDP-87-44

APPROVED: STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS

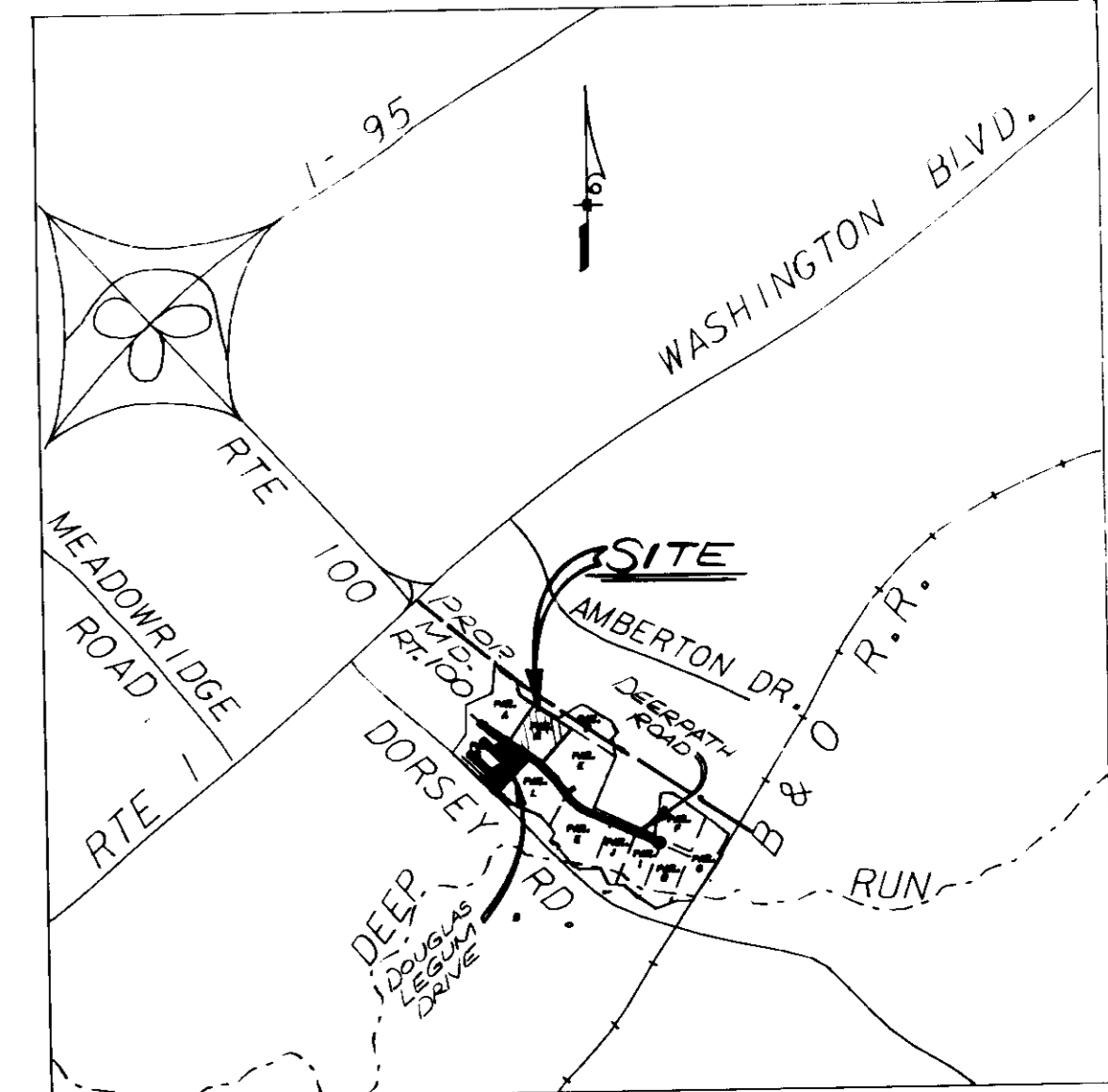
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APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

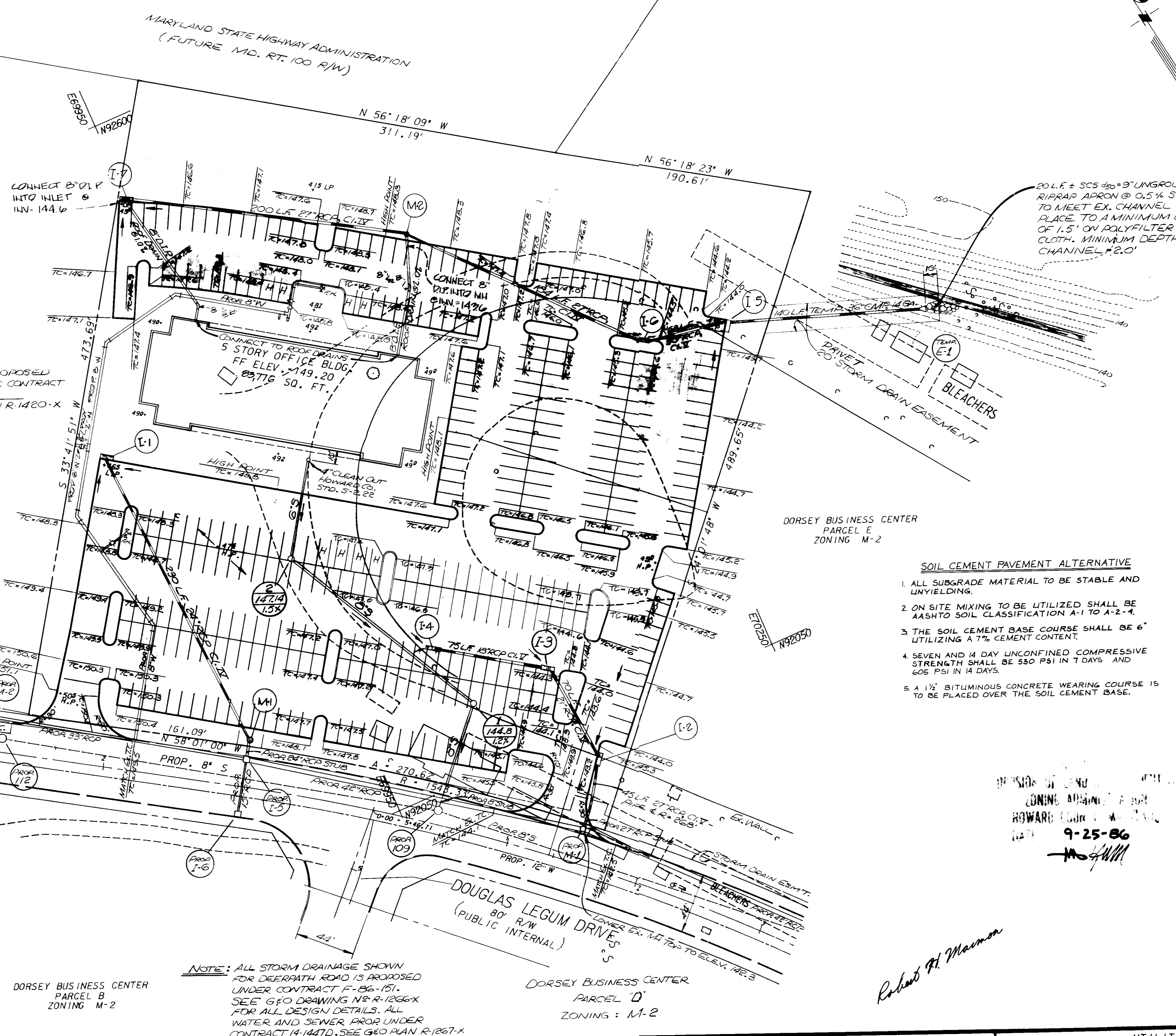
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PLANNING DIRECTOR
CHIEF, DIV. OF LAND DEVELOPMENT & ZONING ADMIN.



VICINITY MAP
SCALE 1" = 2000'



20 L.F. ± SCS 250 = 9" UNGRADED RIPRAP APRON @ 0.5% SLOPE TO MEET EX. CHANNEL INVERT. PLACE TO A MINIMUM DEPTH OF 1.5' ON POLYFILTER "X" FILTER CLOTH. MINIMUM DEPTH OF CHANNEL = 2.0'

NOTE:
3" WATER IS PROPOSED UNDER PUBLIC CONTRACT NO. SEE GEO PLAN R-1420-X

DORSEY BUSINESS CENTER PARCEL A ZONING M-2

DORSEY BUSINESS CENTER PARCEL E ZONING M-2

DEER PATH ROAD 60' R/W (PUBLIC INTERNAL)

DOUGLAS LEGUM DRIVE 80' R/W (PUBLIC INTERNAL)

DORSEY BUSINESS CENTER PARCEL B ZONING M-2

DORSEY BUSINESS CENTER PARCEL 'D' ZONING: M-2

NOTE: ALL STORM DRAINAGE SHOWN FOR DEERPARK ROAD IS PROPOSED UNDER CONTRACT F-86-151. SEE GEO DRAWING N-2-R-1266-X FOR ALL DESIGN DETAILS. ALL WATER AND SEWER PROR UNDER CONTRACT 14-1447D, SEE GEO PLAN R-1267-X

SOIL CEMENT PAVEMENT ALTERNATIVE

1. ALL SUBGRADE MATERIAL TO BE STABLE AND UNYIELDING.
2. ON SITE MIXING TO BE UTILIZED SHALL BE AASHTO SOIL CLASSIFICATION A-1 TO A-2-4.
3. THE SOIL CEMENT BASE COURSE SHALL BE 6" UTILIZING A 7% CEMENT CONTENT.
4. SEVEN AND 14 DAY UNCONFINED COMPRESSIVE STRENGTH SHALL BE 530 PSI IN 7 DAYS AND 605 PSI IN 14 DAYS.
5. A 1 1/2" BITUMINOUS CONCRETE WEARING COURSE IS TO BE PLACED OVER THE SOIL CEMENT BASE.

GENERAL NOTES
STORM DRAIN NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOL. IV, DETAILS AND SPECIFICATIONS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION.
3. ALL INLETS SHALL BE HOWARD COUNTY STANDARD UNLESS OTHERWISE NOTED.
4. ALL STREET CURBS RETURNS SHALL HAVE A 30.0' RADIUS UNLESS OTHERWISE NOTED.
5. STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION.
8. TEMPORARY COMPACTED 18" HIGH EARTH FILL DIVERSION DIKES SHALL BE CONSTRUCTED ABOUT THE LIPS OF FILL SLOPES ON THE R.O.W. CONCURRENTLY WITH THE INITIAL GRADING AND DIRECTED TO UNDISTURBED SOIL AREAS AT THE END OF EACH DAY.
9. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTIONS AND PERMITS AT LEAST 5 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE NO. 992-2436
10. DISTURBED SLOPE AREA TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
11. ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 P.S.I.
12. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDED. SEE THE SEED SPECIFICATIONS ON SHEET.
13. TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1981 REVISED EDITION.
14. POLY-TRIP-X OR EQUAL SHALL BE PLACED UNDER ALL STONE RIP RAP (FULL WIDTH AND LENGTH OF STONE).
15. STONE FOR RIP RAP SHALL BE AS SPECIFIED ON THE DRAWINGS. ALL RIP RAP SHALL BE UNPAVED UNLESS OTHERWISE NOTED.
16. STUBS FOR 6" P.V.C. UNDERDRAIN PIPE TO BE INSTALLED AT CENTER OF EACH WALL OF EVERY INLET.
17. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
STATE HIGHWAY ADMINISTRATION - 531-5533
BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0123
BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - 685-0123
BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 992-2366
CHESAPEAKE & POTOMAC TELEPHONE COMPANY - 725-9976
AMERICAN TELEPHONE & TELEGRAPH - CABLE LOCATION DIVISION 393-3553
MISS UTILITY 795-1390

SEWER NOTES

1. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
2. ALL VERTICAL CONTROLS ARE BASED ON U.S.C.S. DATUM.
3. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
4. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED.
5. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
6. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
7. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION.
8. ALL SEWER MAINS SHALL BE C.S.P.X., D.I.P., V.C.P.X. CLASS 2400 OR P.V.C. UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
10. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
11. ORIGINAL GROUND OVER WATER AND SEWER WAS TAKEN FROM AERIAL PHOTOGRAPHY PREPARED BY GREENHORNE & O'MARA, INC. AND VERIFIED BY FIELD SURVEY IN NOVEMBER 1985.
12. SEDIMENT CONTROL TO BE BUILT IN ACCORDANCE WITH 86-80, ARTICLE 15 AND DETAILS SHOWN ON SHEET OF 5

DESIGN BY [Signature]
ZONING APPROVED BY [Signature]
HOWARD COUNTY DEPT. OF PUBLIC WORKS
9-25-86

Robert H. Mannon

DORSEY BUSINESS CENTER LIMITED PARTNERSHIP
7223 PARKWAY DRIVE
HANOVER, MARYLAND 21076

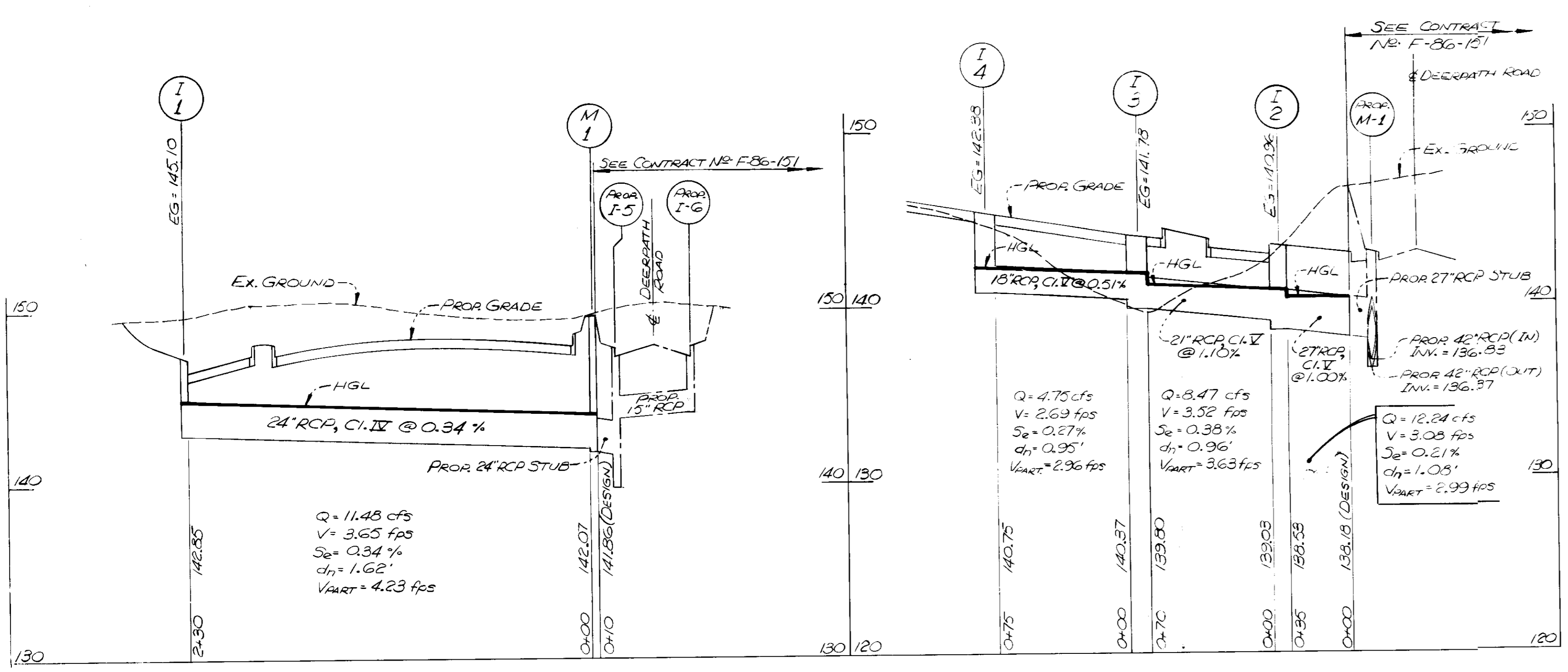
No.	REVISION	DATE	BY



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
(301) 948-0900
ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

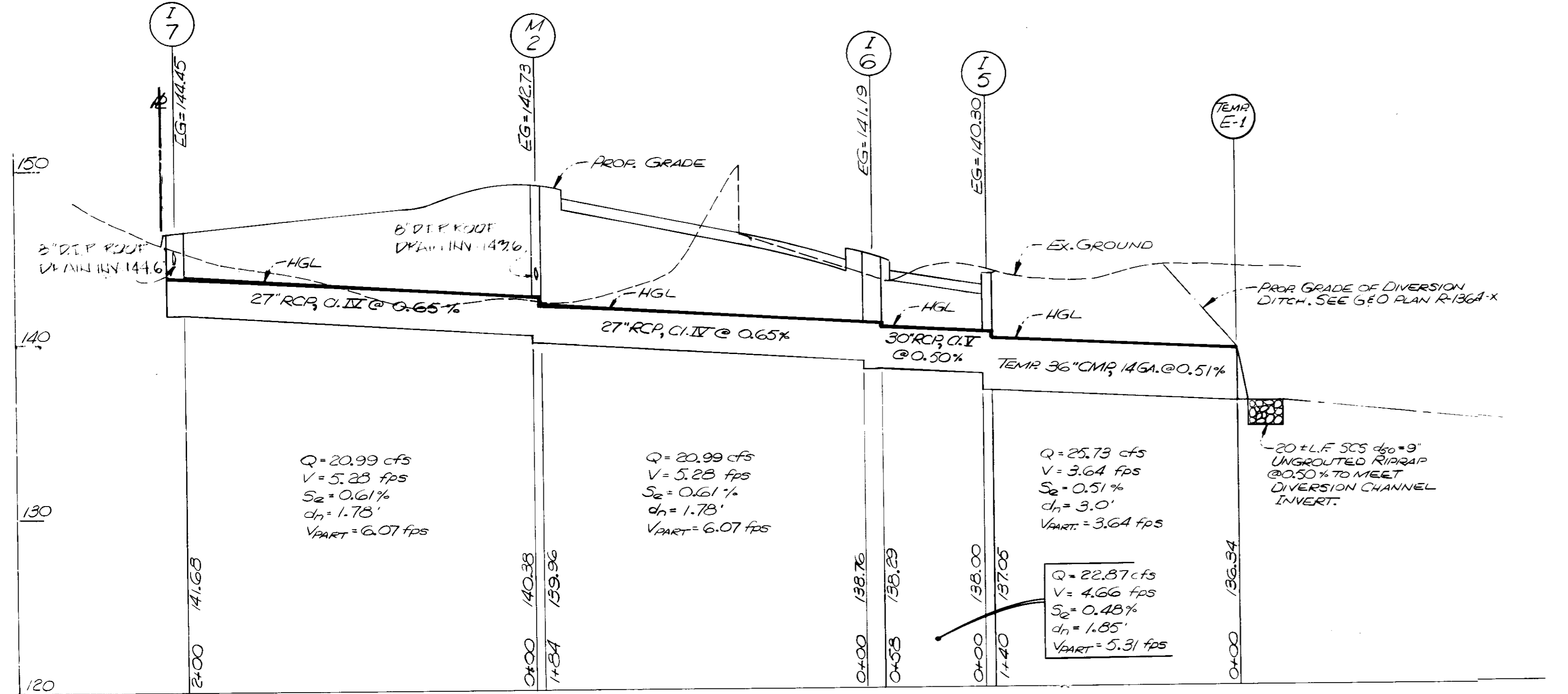
UTILITY AND PAVING PLAN
SECTION 1, PARCEL 'C'
DORSEY BUSINESS CENTER
FIRST ELECTION DISTRICT
HOWARD CO., MARYLAND

JWC/ML DESIGN	SCALE 1" = 40'
CAOD/JDP DRAWN	3 OF 5
RHM CHECKED	SHEET
AUG. 86 DATE	R-1355-X FILE No.
JOB No.	SDP-87-44



PIPE SCHEDULE		
SIZE	TYPE	LENGTH (FT)
18"	RCP, C.I. II	75
21"	RCP, C.I. II	70
24"	RCP, C.I. II	230
27"	RCP, C.I. II	45
27"	RCP, C.I. II	384
30"	RCP, C.I. II	58
36"	CMP, 14 GA.	140

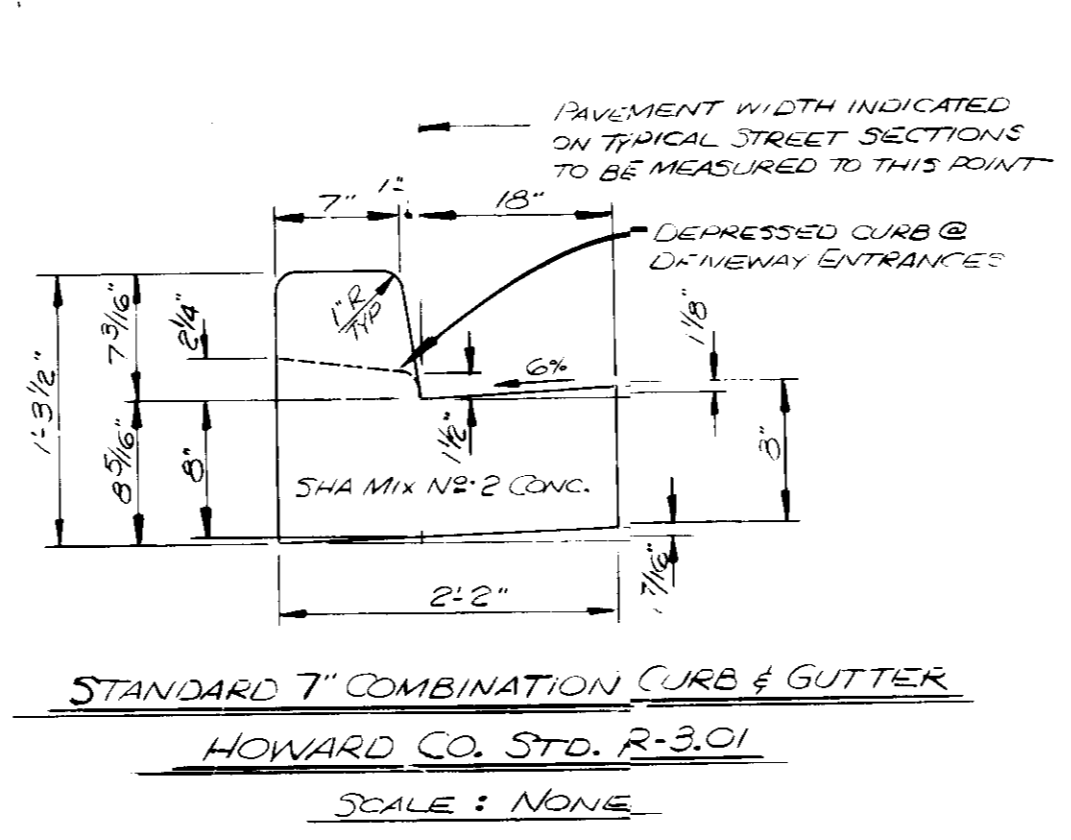
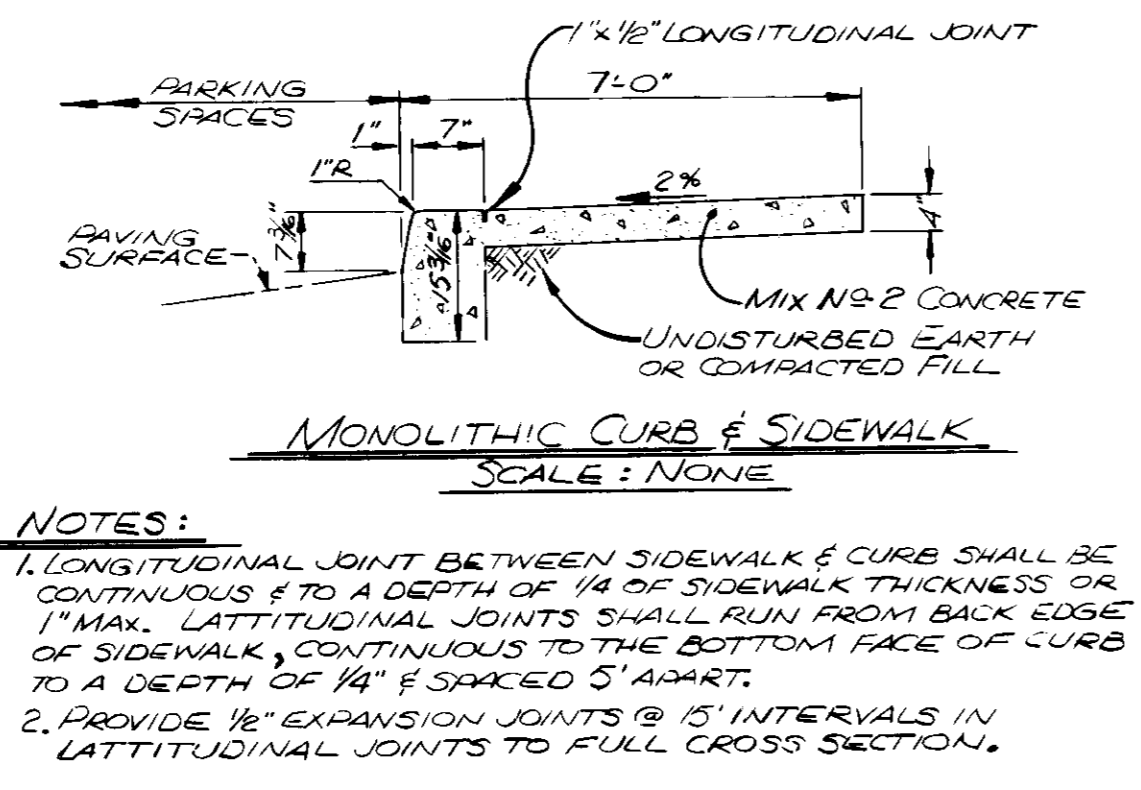
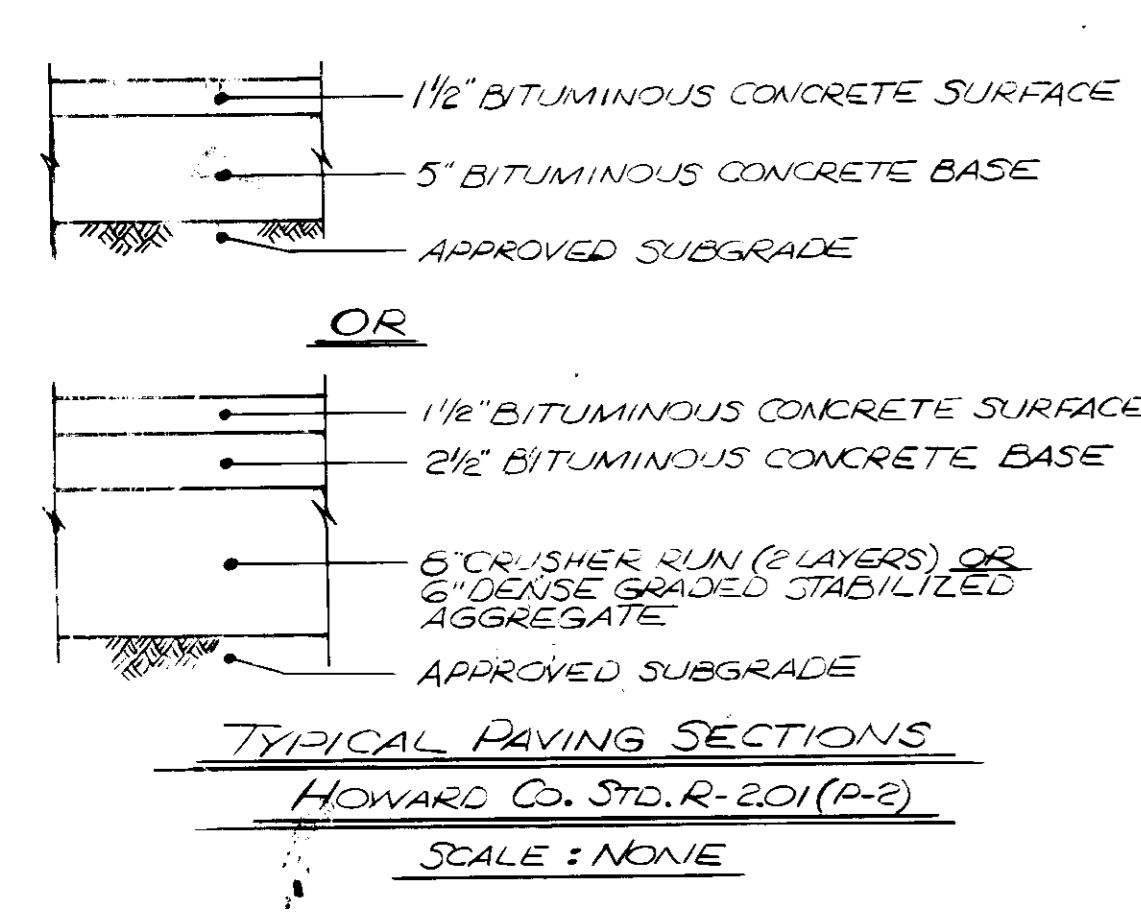
STRUCTURE SCHEDULE						
NO.	TYPE	INVERT		FIN ELEVATION		STANDARD NUMBER
		IN	OUT	UPPER	LOWER	
I-1	"A-10" INLET	—	142.85	146.50	146.50	HOWARD CO. STD. SD 4.02
I-2	"A-10" INLET	139.03	139.53	143.45	143.36	HOWARD CO. STD. SD 4.02
I-3	DOUBLE "S" TANDEM	140.37	139.80	143.88	143.76	HOWARD CO. STD. SD 4.23
I-4	DOUBLE "S" TANDEM	—	140.75	145.33	145.15	HOWARD CO. STD. SD 4.23
I-5	"A-10" INLET	136.00	137.05	143.60	143.60	HOWARD CO. STD. SD 4.02
I-6	"A-10" INLET	138.76	138.23	144.83	144.60	HOWARD CO. STD. SD 4.02
I-7	"A-10" INLET	—	141.68	146.20	146.20	HOWARD CO. STD. SD 4.02
M-1	4' STD. PRECAST MANHOLE	142.07	141.86	150.0	—	HOWARD CO. STD. G 5.12
M-2	4' STD. PRECAST MANHOLE	140.38	139.96	148.8	—	HOWARD CO. STD. G 5.12
E-1	36" METAL END SECTION	136.34	136.31	—	—	HOWARD CO. STD. SD 5.61



APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS
DIRECTOR: [Signature] DATE: 10/18/86
CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 12-18-86

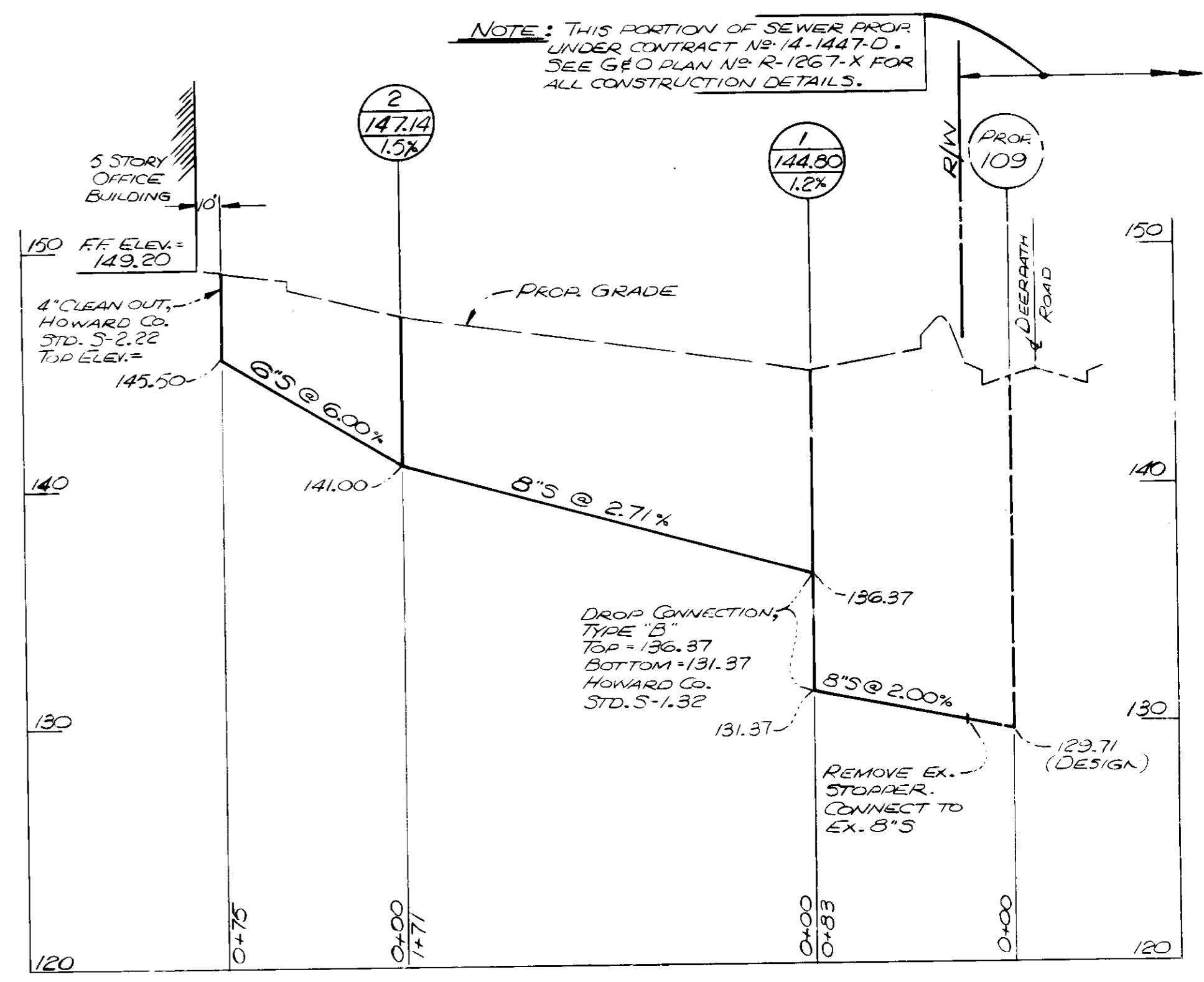
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [Signature] DATE: 12-19-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR: [Signature] DATE: 12-22-86
DEPT. OF LAND DEVELOPMENT & ZONING ADMINISTRATION



Robert H. Marmor

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



OWNER:
DORSEY BUSINESS CENTER LIMITED PARTNERSHIP
1223 PARKWAY DRIVE
ANNE ARBOR, MARYLAND 21076
PHONE: (301) 796-1446

No.	REVISION	DATE	BY

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
(301)948-0900

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • EXPORT, PA • FAIRFAX, VA
GREENBELT, MD • MANASSAS, VA • MONROE, MI • RALEIGH, NC • TAMPA, FL

STORM DRAIN PROFILES & DETAILS
SECTION 1, PARCEL C
DORSEY BUSINESS CENTER
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

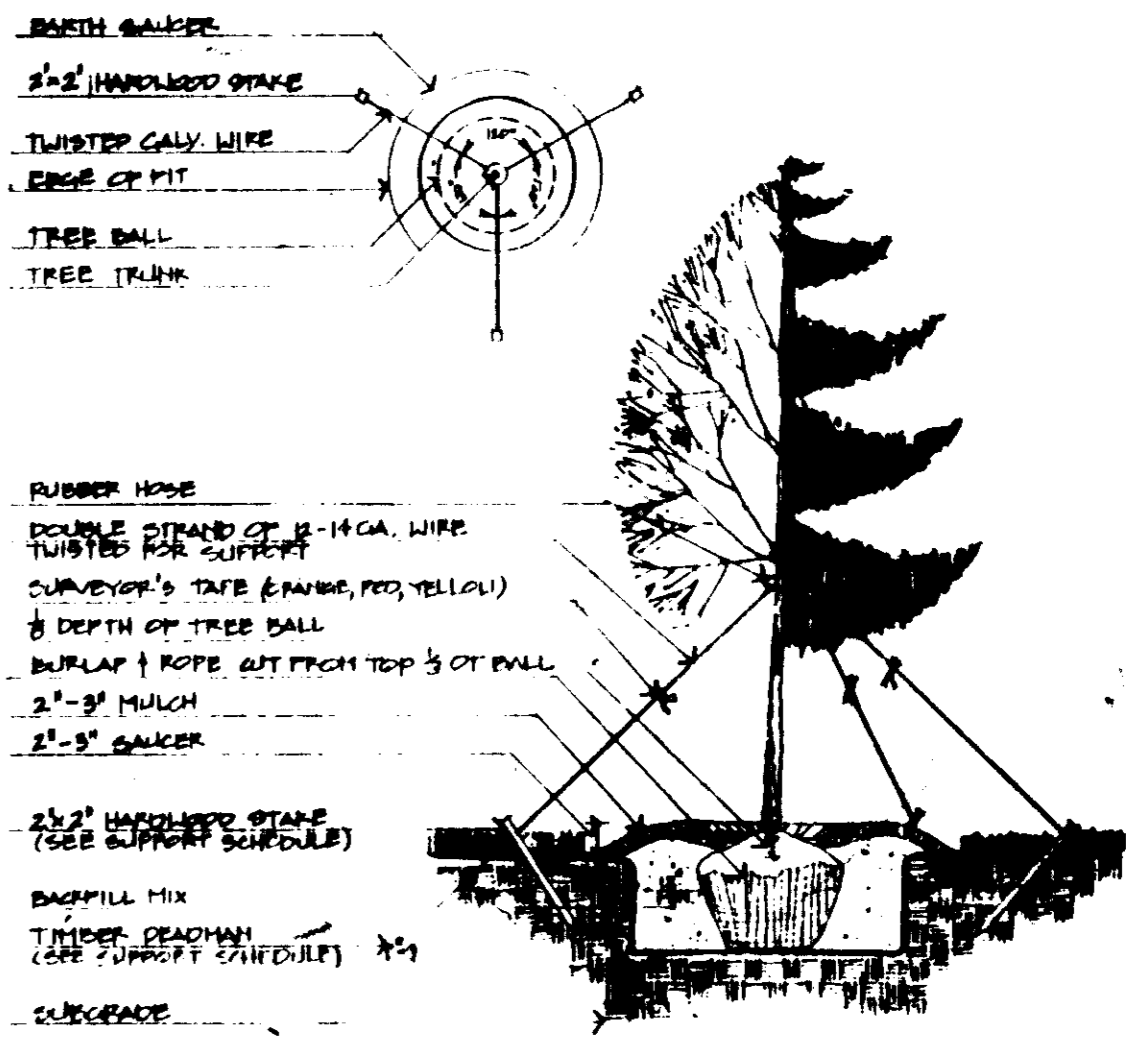
JWC DESIGN	SCALE AS SHOWN
JOP DRAWN	4 OF 5
RHM CHECKED	SHEET
AUG. '86 DATE	FILE NO. R-1355-X
JOB No.	SDP-8T-44

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS / PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS
[Signature] 12/18/86
DATE

APPROVED: FOR PUBLIC WATER &
PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 12-19-86
DATE

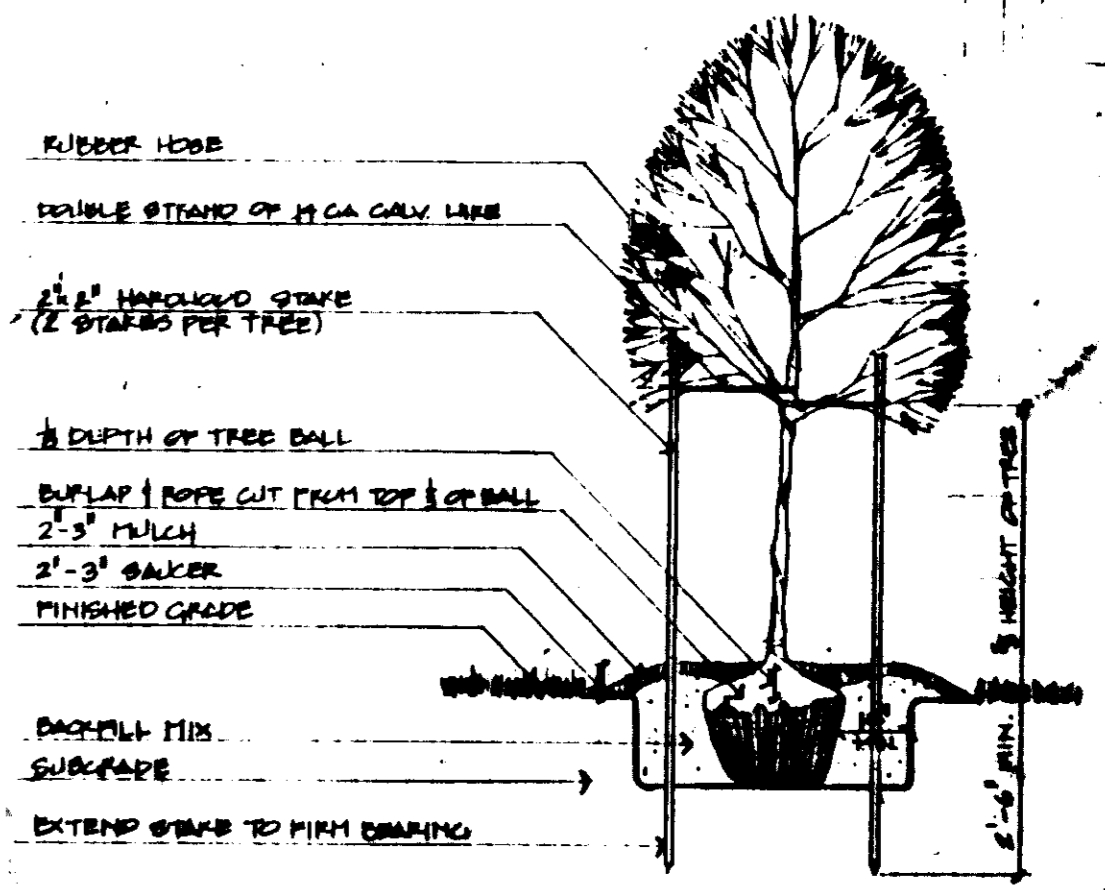
APPROVED: HOWARD COUNTY OFFICE OF
PLANNING & ZONING
[Signature] 12-22-86
DATE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-25-86
[Signature]



TREE SIZE	SUPPORT SCHEDULE
12-14" 2 1/2" CAL.	2 STAKE 3 REQUIRED, 12 GA. WIRE
14-16" 3-4" CAL.	2 STAKE 3 REQUIRED, 12 GA. WIRE
16-20" 4-6" CAL.	2 1/2" STAKE 3 REQUIRED, 12 GA. WIRE
20" + 6" CAL.	DEADMAN 3 REQ'D, 3/4" GALV. + 3/8" GALV. TURNBUCKLE

1 TREE CUTTING DETAIL: TREES OVER 2 1/2" CAL. & ALL EVERGREEN TREES - NO SCALE



2 TREE STAKING DETAIL: TREES UNDER 2 1/2" CAL. NO SCALE

HOWARD COUNTY PLANTING REQUIREMENTS

REQUIRED: Minimum of 5% of total area of parking to be landscaped. 62,100 S.F. parking total. 5% = 3,105 S.F. required

PROVIDED: 24 trees in islands (area of islands in excess of 8,000 S.F.)

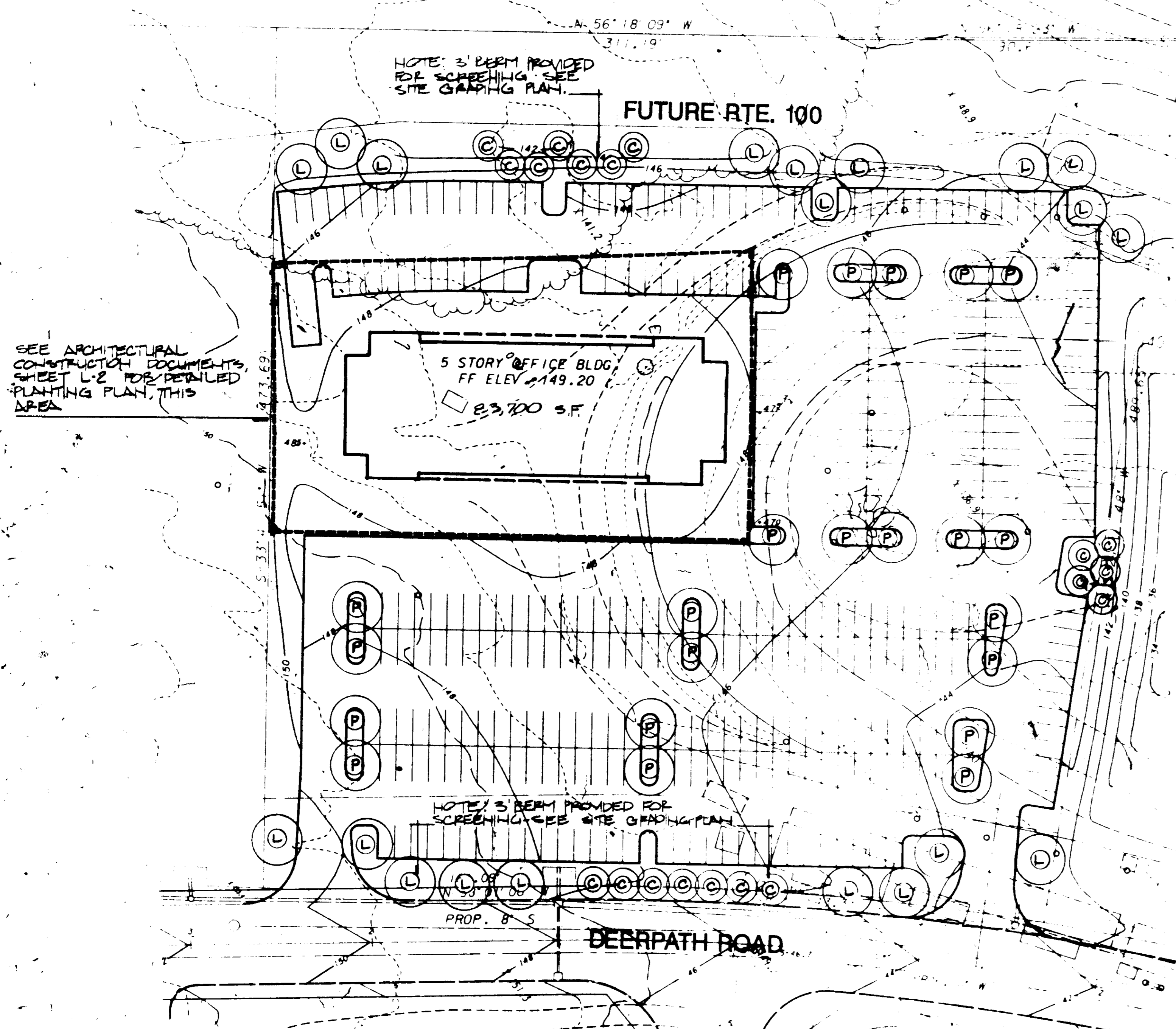
REQUIRED: Minimum of 1 tree/30 L.F. of property line abutting public street right-of-way.

Deerpath Road 420 L.F. = 14 trees required
Route 100 495 L.F. = 17 trees required

PROVIDED: Deerpath Road 14 trees
Route 100 17 trees

NOTES:

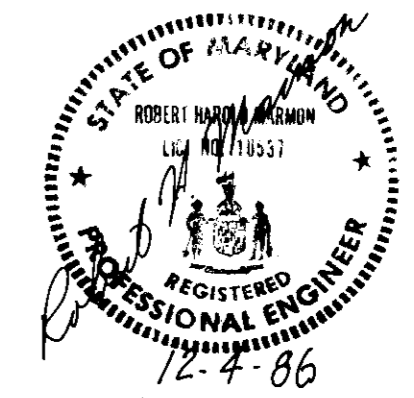
- All plants to be Nursery grown and furnished in accordance with AAM "American Standards for Nursery Stock" ANSI Z60.1, latest edition.
- All trees to branch symmetrically around central leader. No forked leader stock will be accepted.
- Any substitutions are to be of equivalent type and size, and must be approved in writing by the landscape architect prior to installation. Containerized shrub stock may be substituted for B&B shrubs if approved in writing by the landscape architect.
- All areas disturbed during construction shall be seeded unless noted otherwise.
- Installation of pines and oaks shall be during spring planting season only. No fall planting.
- The contractor shall notify all utility companies five (5) days prior to beginning work.
- Any damage to the existing utilities, buildings, paving, curb, walls, and vegetation (not so designated for removal on these plans) shall be repaired to previous condition or replaced by the contractor at his expense.



SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS, SHEET L-2 FOR DETAILED PLANTING PLAN, THIS AREA

KEY	QTY	BOTANICAL NAME/Common Name	SIZE	ROOT	COMMENTS
C	19	Crataegus phaenopyrum/Washington Hawthorne	8-10'	B&B	Tree form, heavy headed
L	20	Liquidambar styraciflua/Sweetgum	2 1/2-3"	B&B	Prune to 7'
P	22	Platanus acerifolia 'bloodgood'/London Planetree	2 1/2-3"	B&B	Prune to 7'

DORSEY BUSINESS CENTER LIMITED PARTNERSHIP
7213 PARKWAY DRIVE
HANOVER, MARYLAND 21076



146-86

SECTION
DORSEY BUSINESS CENTER - PARCEL 'C'
FIRST ELECTION DISTRICT

PLANTING PLAN
SCALE: 1" = 40'

CDC THE COLUMBIA DESIGN COLLECTIVE, INC. ARCHITECTS · LANDSCAPE ARCHITECTS
 888-4040(BALTO.) 981-8786(WASH) 881-8888(VA.)
 8587 TWIN KNOLLS ROAD COLUMBIA, MARYLAND 21046