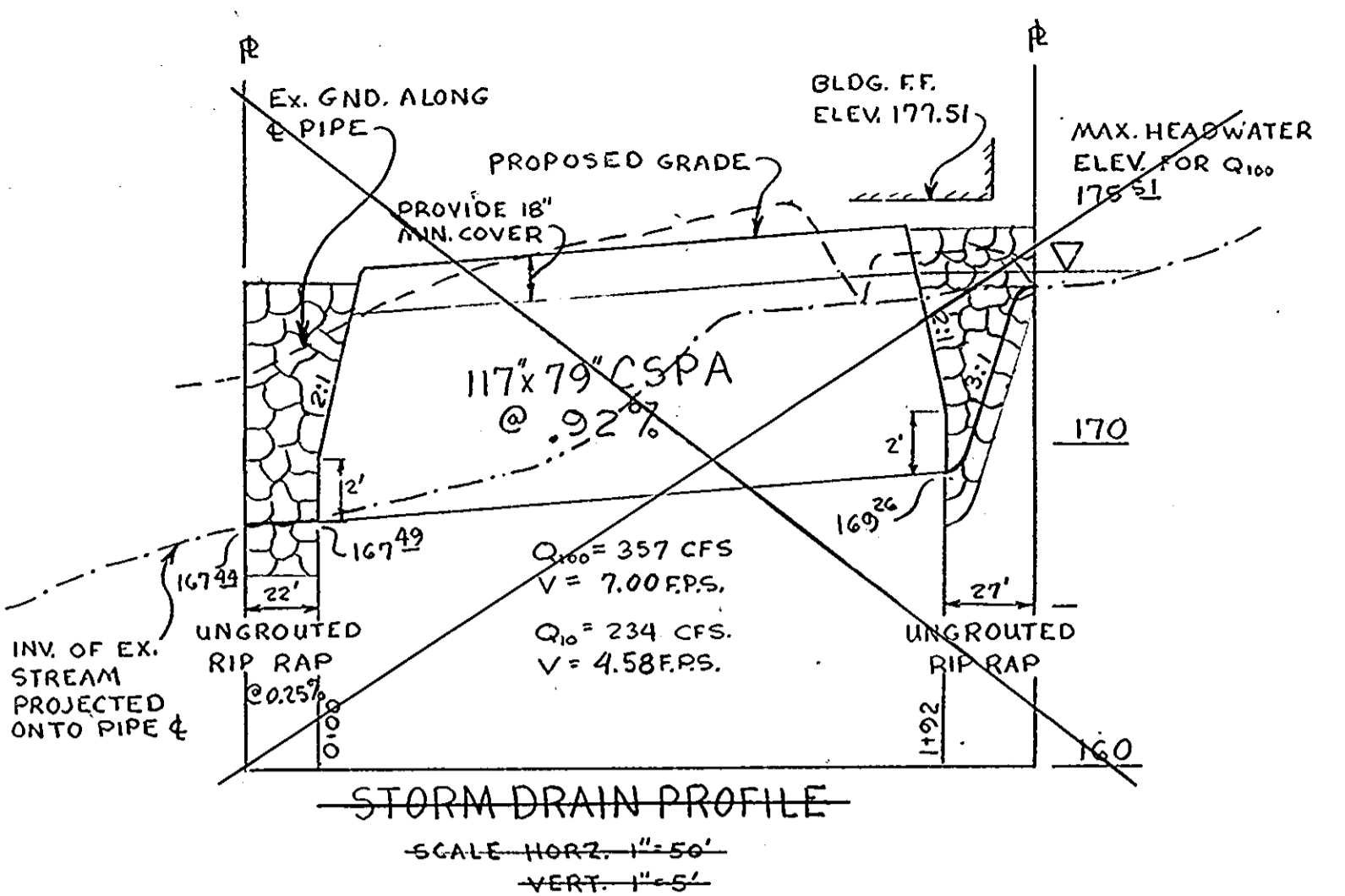


**SITE ANALYSIS (CONT.)**

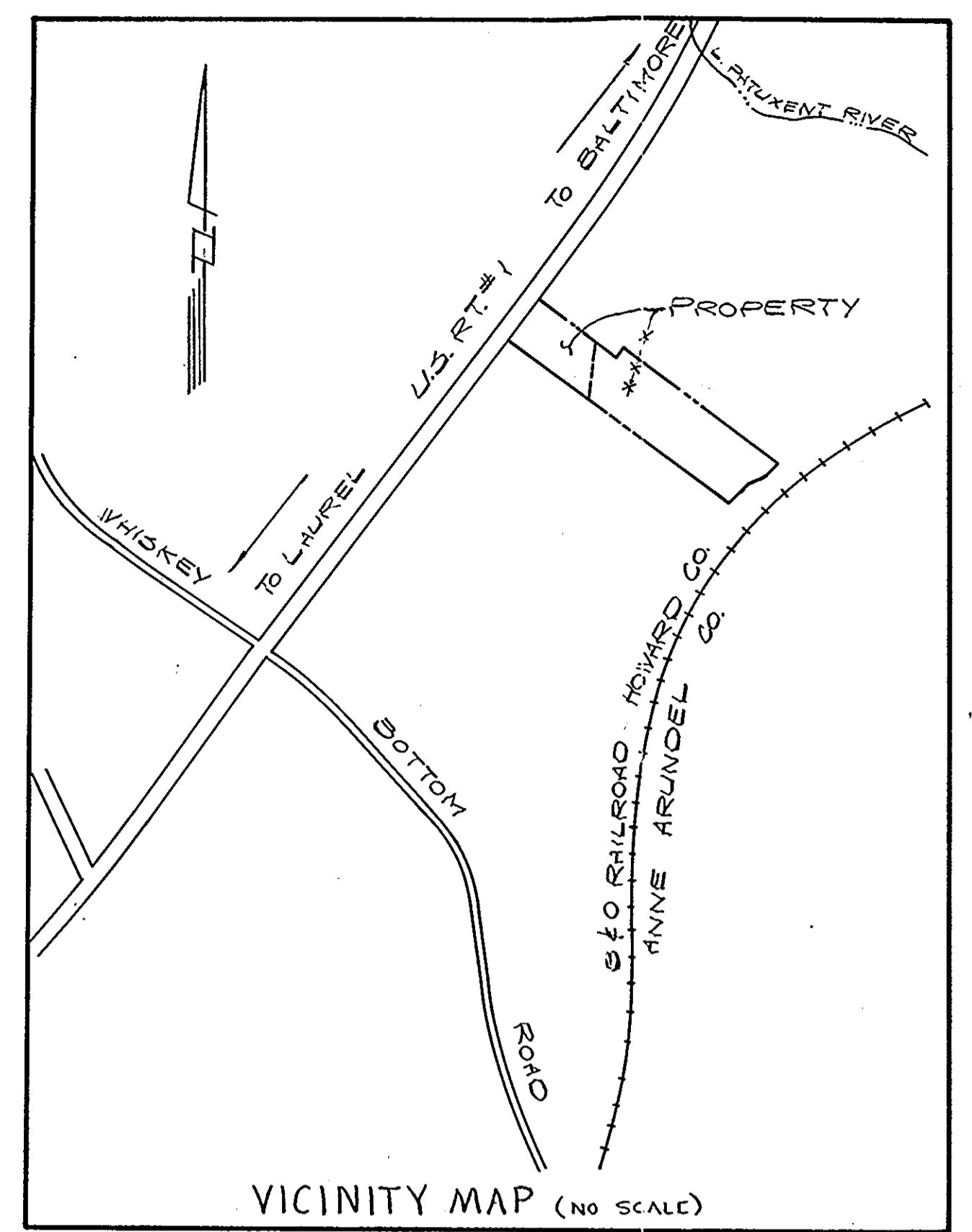
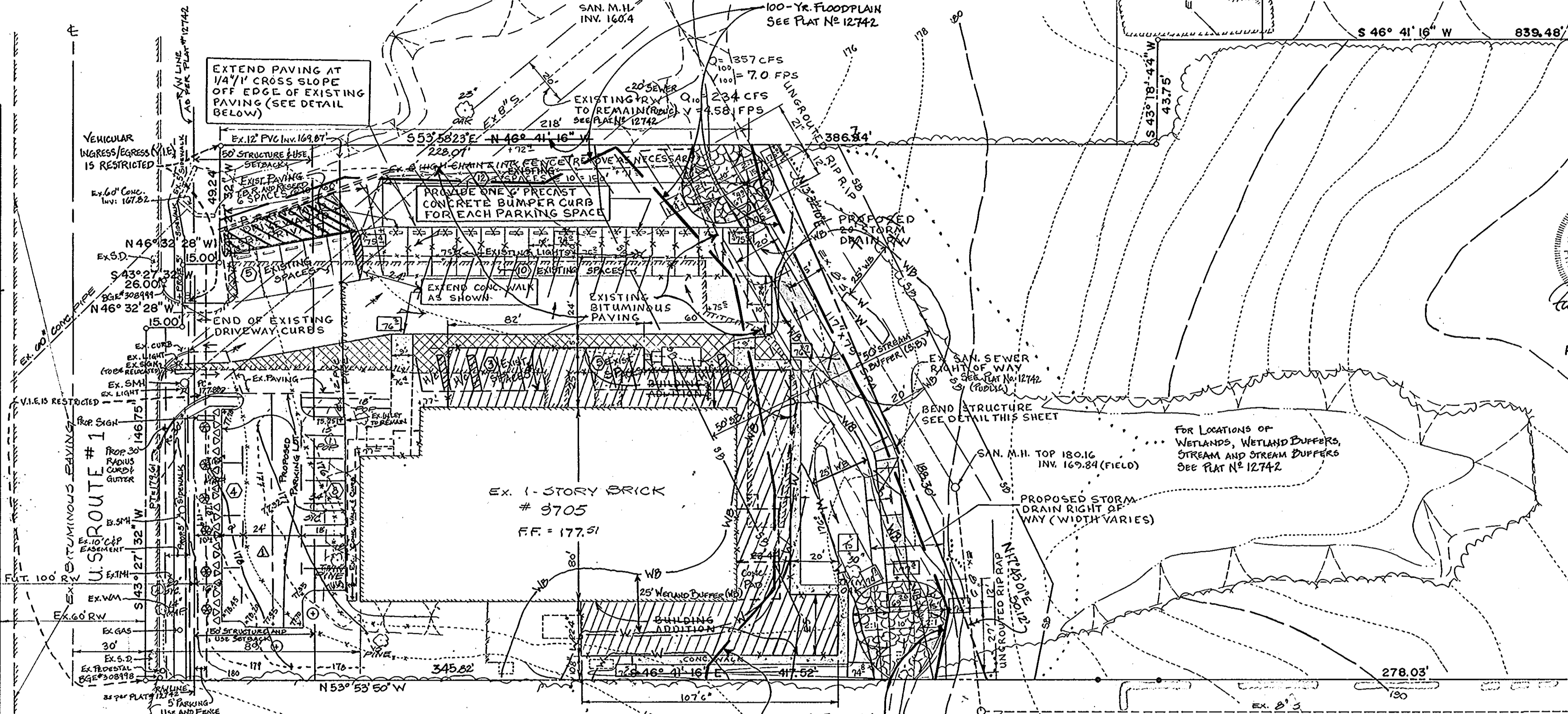
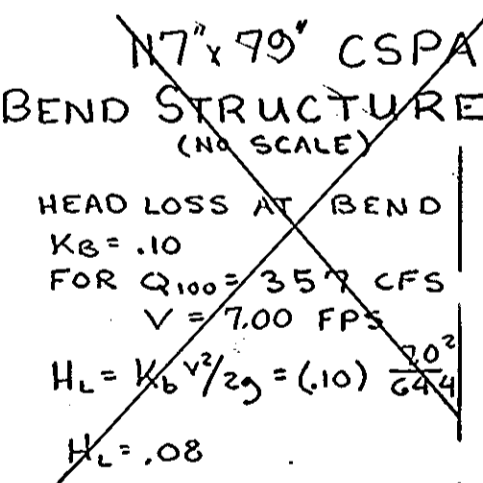
10) A VARIANCE TO REDUCE THE REQUIRED 30-FT PARKING-USE SETBACK TO 5-FT OFF OF THE RIGHT-OF-WAY LINE ALONG U.S. ROUTE 1 IN A CE-CLI ZONE DISTRICT WAS APPROVED ON 03/06/06, AS PER BA CASE NO 05-042V.

**SITE ANALYSIS**

- 1) AREA OF PARCEL = 6.9665 1.500Ac.±
  - 2) PRESENT ZONING = M-1, M-2 (SEE SURVEY BELOW) CE-CLI  
TOTAL NUMBER OF EMPLOYEES = 24
  - 3) TOTAL FLOOR SPACE = 18,028 SF, 12,624
  - 4) AREA OF PLAN SUBMISSION = 1.500Ac.±
  - 5) LIMITS OF DISTURBED AREA = 0.01 AC (MEASURED FOR PROPOSED IMPERVIOUS)
  - 6) PROPOSED USES OF SITE AND STRUCTURE: OFFICE
  - 7) NUMBER OF PARKING SPACES REQUIRED = 42
  - 8) NUMBER OF PARKING SPACES PROVIDED = 50
  - 9) D.P.E. FILE REFERENCES: F-97-141, BA-05-042V.
- NOTES CONTINUED (SEE THIS SHEET)

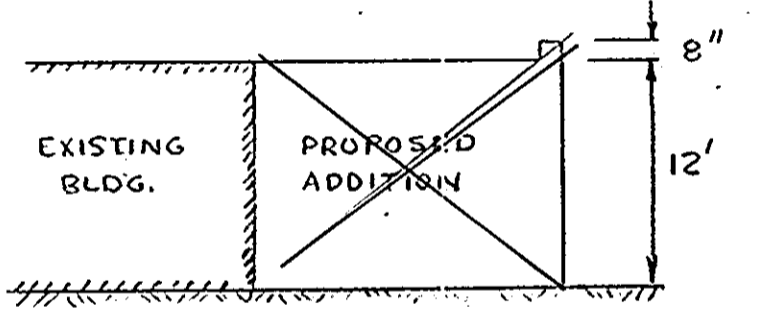


- LEGEND**
- NEW BITUMINOUS PAVING
  - REMOVE EXISTING BITUMINOUS PAVING
  - BUILDING ADDITION
  - CONCRETE WALKS
  - PROPOSED SPOT ELEVATIONS
  - EX. SPOT ELEVATIONS
  - STREAM BUFFER
  - WETLAND
  - WETLAND BUFFER
  - PROPERTY LINE
  - EXISTING (EX) LIGHTS
  - EX. 10' C&P EASEMENT (AS PER PLAT #12742)
  - ZONING BOUNDARY
  - EXISTING PAVING TO BE REMOVED (P.B.R.) AND RESEDED
  - 50' STRUCTURE USE SETBACK
  - 100-YR FLOODPLAIN (AS PER PLAT #12742)



**GENERAL NOTES**

- 1) INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING.
- 2) PROVIDE 10" MINIMUM COVER OVER 117" x 79" CSPA. (SEE COMPACTION NOTE IN PIPE SCHEDULE)



BUILDING PROFILE (NO SCALE)

**PARKING SCHEDULE**

NO. OF SPACES REQUIRED = 42	OFFICE USE: LABORATORY
NO. OF SPACES PROVIDED = 50	1 SPACE PER EACH EMPLOYEE
PRESENT NUMBER OF EMPLOYEES = 12	
NEW EMPLOYEES GENERATED BY ADDITION = 12	
TOTAL NUMBER OF EMPLOYEES = 24	

**PIPE SCHEDULE**

SIZE	TYPE	LENGTH
117" x 79" CSPA	C.S.P.A. 3"x1" CORRUGATIONS (1.09 m. MIN. THICKNESS)	192'

BACKFILL TO TOP OF PIPE WITH DRY GRANULAR MATERIAL PLACED IN 6" LIFTS AND COMPACTED TO 90% DENSITY (ASTM T-150) PROVIDE 2" MIN. COVER AT CONSTRUCTION EQUIPMENT CROSSINGS.

**OWNER**  
MR. BRAD DAVIDSON  
DR. ANDREW TEGERLE, PRESIDENT  
SPARADATA PHARMACOPATHICS RESEARCH LAB  
9705 N. WASHINGTON BLVD.  
LAUREL, MARYLAND 20723  
(PH) 800-895-4100  
(FAX) 240-553-1331  
(EMAIL) support@SPARADATA.com

**TAM REALTY CORP.**  
L. 322 F 533  
ZONE: U M-1  
CE-CLI

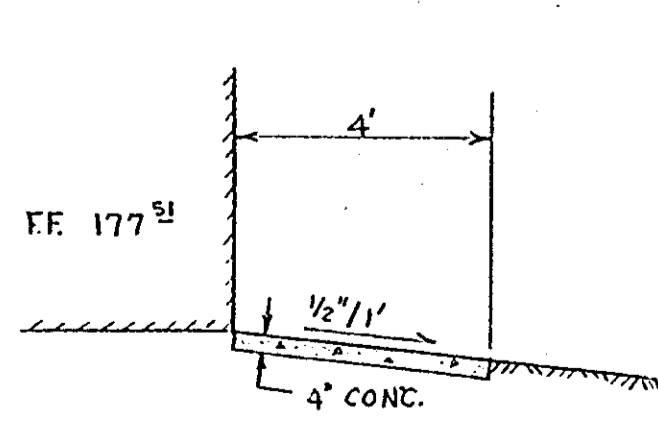
F.W. + A.R. MAIER

APPROVED  
DIVISION OF LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE 9-1-76  
JNCJ

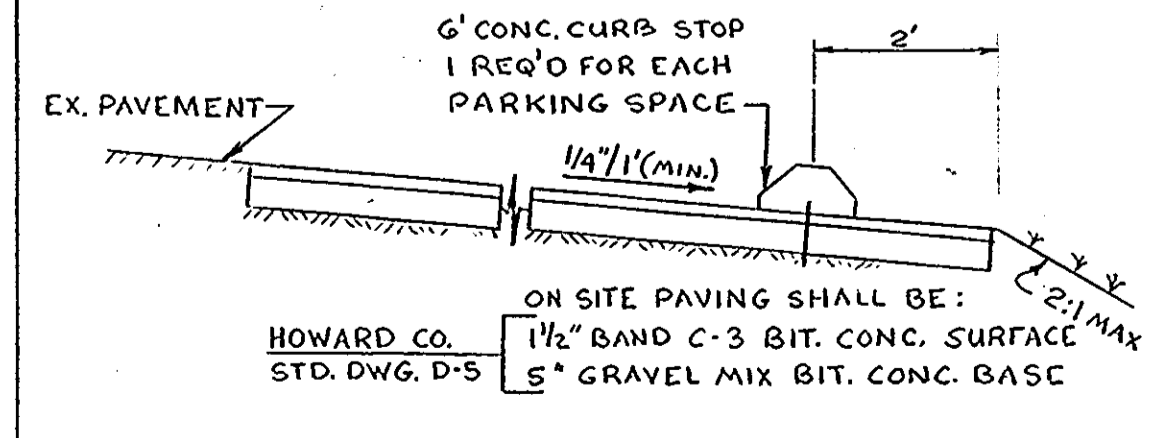
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER  
DATE 9/30/76

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR  
DATE 10-1-76  
CHIEF DIVISION OF LAND DEVELOPMENT  
DATE 10/1/76

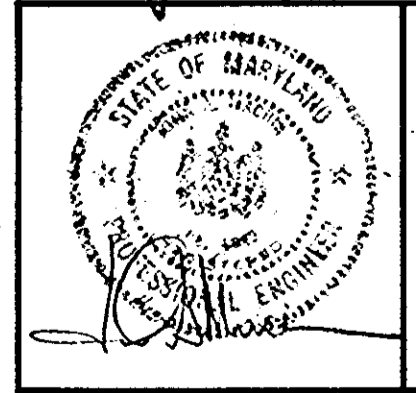
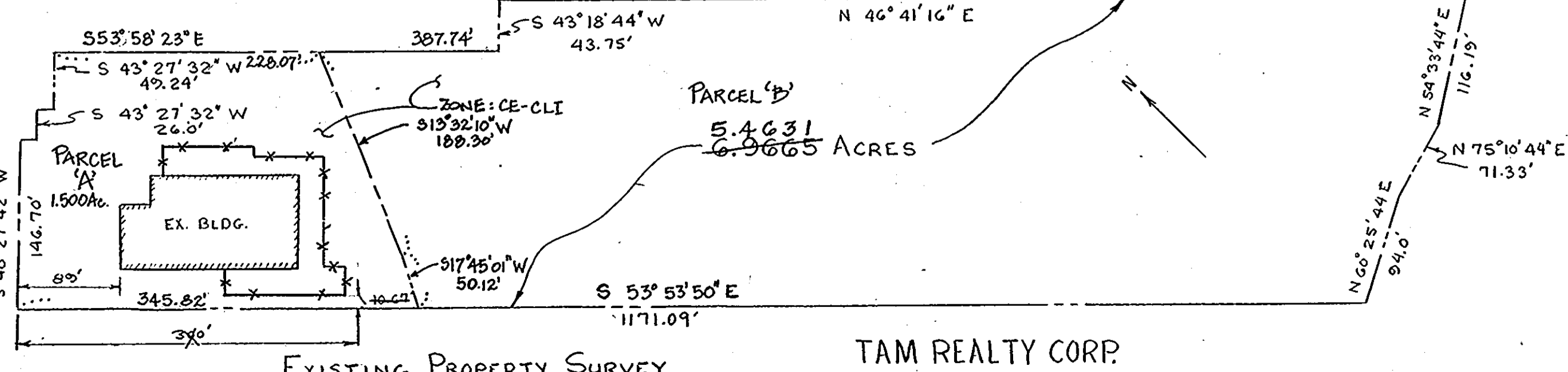
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR  
DATE 9-22-76  
CHIEF BUREAU OF HIGHWAYS  
DATE 9/21/76



CONCRETE WALK (NO SCALE)



ON SITE PAVING (NO SCALE)



**SITE DEVELOPMENT PLAN**  
SUBMIT PROPERTY ADDITIONS TO PHARMACOPATHICS RESEARCH LABORATORY (PARCEL 'A')  
TAX MAP 47 PARCEL 542 BLOCK 23 LIBER 435 PLAT # 12742 6th ELECTION DISTRICT  
HOWARD CO. MARYLAND

**REVISIONS**

N°	DATE	BY

**MACRIS-FOWLER ASSOCIATES**  
CIVIL-STRUCTURAL ENGINEERS, SURVEYORS, PLANNERS  
27 W. JEFFERSON ST. ROCKVILLE, MD. 20850  
(301) 340-8705 (301) 762-3853

DESIGNED  
DRAWN  
CHECKED  
DATE  
JOB N°  
DRAWING N°

**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- 1) STRAW BALE DIKE WILL BE INSTALLED ACCORDING TO THIS PLAN PRIOR TO ANY OTHER GRADING, CLEARING OR DISTURBANCE OF THE EXISTING SURFACE ON THE SITE.
- 2) ALL STRUCTURAL SEDIMENT CONTROL MEASURES ARE TO REMAIN IN PLACE UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD SOIL CONSERVATION DISTRICT, PHONE 465-5000 EXT 328
- 3) NOTIFY THE HSCD AT LEAST 24 HR. BEFORE STARTING ANY WORK, PHONE 465-5000 EXT 328 OR 465-3180.
- 4) STRAW BALE DIKE SHALL CONFORM TO THE STD'S. AND SPECS. IN URBANIZING AREAS AND AS SHOWN AND DETAILED ON THIS PLAN. (R.13.01-13.03)
- 5) CONTINUED INSPECTION AND MAINTENANCE WILL BE THE RESPONSIBILITY OF THE DEVELOPER.
- 6) SEED AND MULCH ALL EXPOSED SOIL IN GRASS AREAS WITHIN 72 HOURS OF CUTTING OR FILLING TO FINISHED GRADE, IN ACCORDANCE WITH HSCD STD'S AND SPECS. AND THESE NOTES. LAY BASE COURSE IN PAVED AREAS OR PROTECT WITH BITUMINOUS MULCH OR OTHER METHODS APPROVED BY THE ENGINEER WITHIN 72 HRS. OF FINE GRADING.
- 7) SOO ALL SLOPES STEEPER THAN 3:1 IF LENGTH OF SLOPE IS  $\leq 3'$ , IF LONGER, USE: CROWN VETCH @ 40#/AC. (SEED TO BE SCARIFIED AND NOCULATED); AND KY-31 TESCUE @ 15#/AC.

**SEQUENCE OF CONSTRUCTION**

- 1) CONSTRUCT AND MAINTAIN STRAW BALE DIKE PRIOR TO ANY OTHER SITE GRADING.
- 2) PROCEED WITH CONSTRUCTION OF PIPE DRAINAGE SYSTEM, BUILDING ADDITION AND GRADING AS SHOWN ON PLANS.
- 3) AS VARIOUS AREAS ARE BROUGHT TO FINISHED GRADE, PLACE TOP SOIL, SEED OR SOO GRASSSED AREAS, AND PAVE PARKING LOT ALL IN CONFORMANCE WITH THE PLANS AND THE SOIL EROSION AND SEDIMENT CONTROL NOTES.
- 4) WHEN GRADING IS COMPLETED AND AREA IS STABILIZED, REMOVE STRAW BALE DIKE.

**SODDING NOTES**

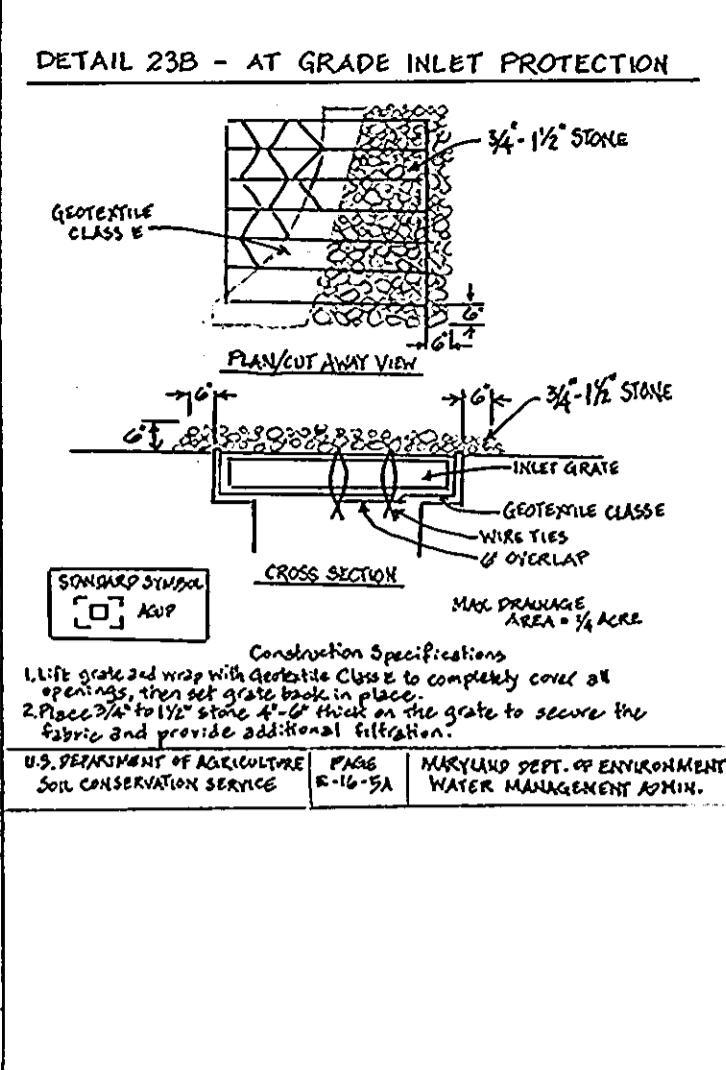
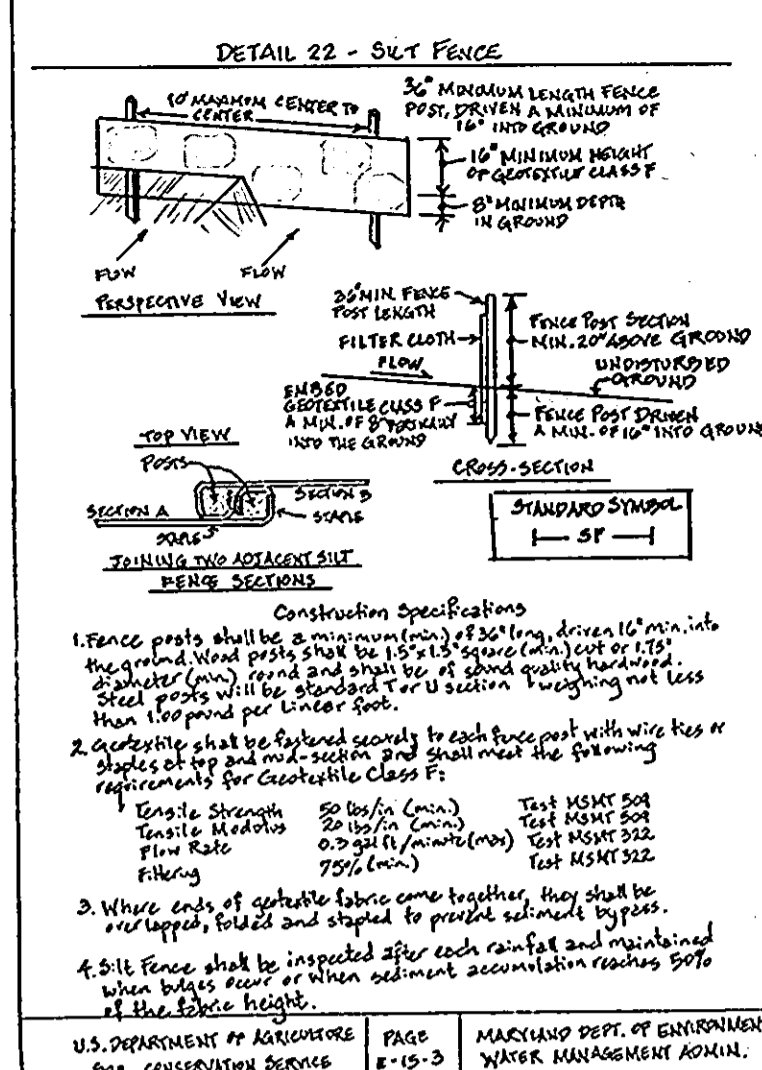
- 1) APPLY 10-10-10 FERTILIZER @ 1000#/AC. (25#/1000#)
- 2) APPLY GROUND AGRICULTURE LIMESTONE @ 2000#/AC. (50#/1000#)
- 3) INCORPORATE BOTH LIME AND FERTILIZER INTO SOIL BY DISCING, FIRM UP AFTER INCORPORATION.
- 4) LAY SOD TO A TIGHT FIT. ROLL TO ENSURE CONTACT WITH UNDERLYING SOIL. WATER AS NECESSARY FOR FIRST 2 WEEKS (IN SUMMER) TO ENSURE ESTABLISHMENT.

**SITE ANALYSIS**

- 1) TOTAL AREA OF SITE = 1.500 AC.
- 2) TOTAL AREA TO BE DISTURBED = 0.201 AC. = 8,762 SF.
- 3) TOTAL AREA TO BE REVEGETATED = 0.094 AC. = 4,108 SF.
- 4) TOTAL AREA TO BE PAVED = 0.107 AC. = 4,654 SF.

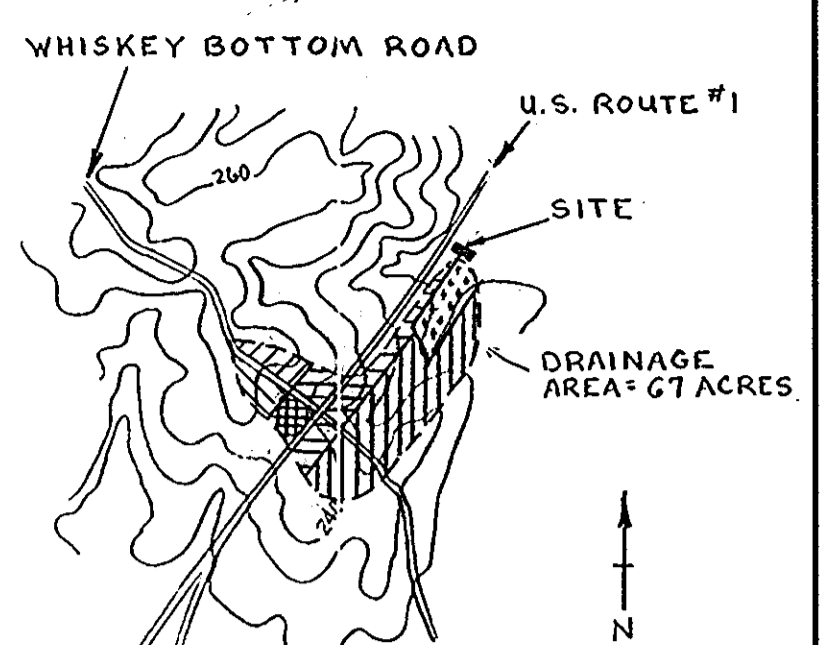
**SEEDING NOTES**

- 1) TEMPORARY SEEDING  
GROUND LIMESTONE 3500 LBS/AC. WORK INTO TOP 3" OF SOIL  
FERTILIZER 1300 LBS/AC. 10-10-10  
MULCH 1500 LBS/AC. STRAW (WHEAT PREFERRED)  
SEED 40 LBS/AC. RYE GRASS  
BINDER ASPHALT SPRAY OF MULCH @ RATE OF 1 GAL. PER 1000 SQ. FT.  
HYDROSEED FERTILIZER, SEED AND MULCH USING "TURFIBER" OR APPROVED EQUAL.
- 2) PERMANENT SEEDING  
GROUND LIMESTONE 2000 LBS/AC. WORK INTO TOP 3" OF SOIL  
FERTILIZER 1300 LBS/AC. 10-10-10  
SEED 90% KENTUCKY 31 TALL FESCUE  
2% MERION BLUEGRASS  
8% RYE GRASS  
SEEDING RATE 348 LBS/AC.  
BINDER HYDROSEED FERTILIZER, SEED AND BINDER ("TURFIBER" OR EQUAL)



**LEGEND**

- M-1 LIGHT MANUFACTURING
- M-2 HEAVY MANUFACTURING
- B-2 GENERAL BUSINESS
- R-20 ONE FAMILY DETACHED
- R-12 ONE FAMILY DETACHED
- RURAL CONSERVATION



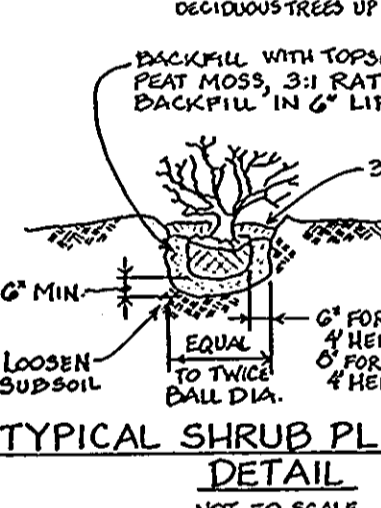
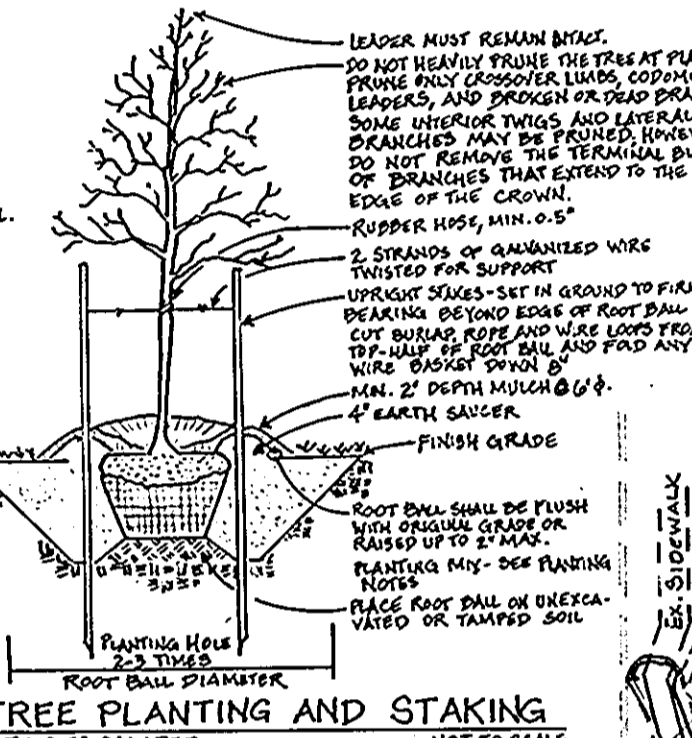
OFF-SITE DRAINAGE AREA MAP  
SCALE: 1" = 2000'

**DETERMINATION OF C<sub>AVG</sub>**

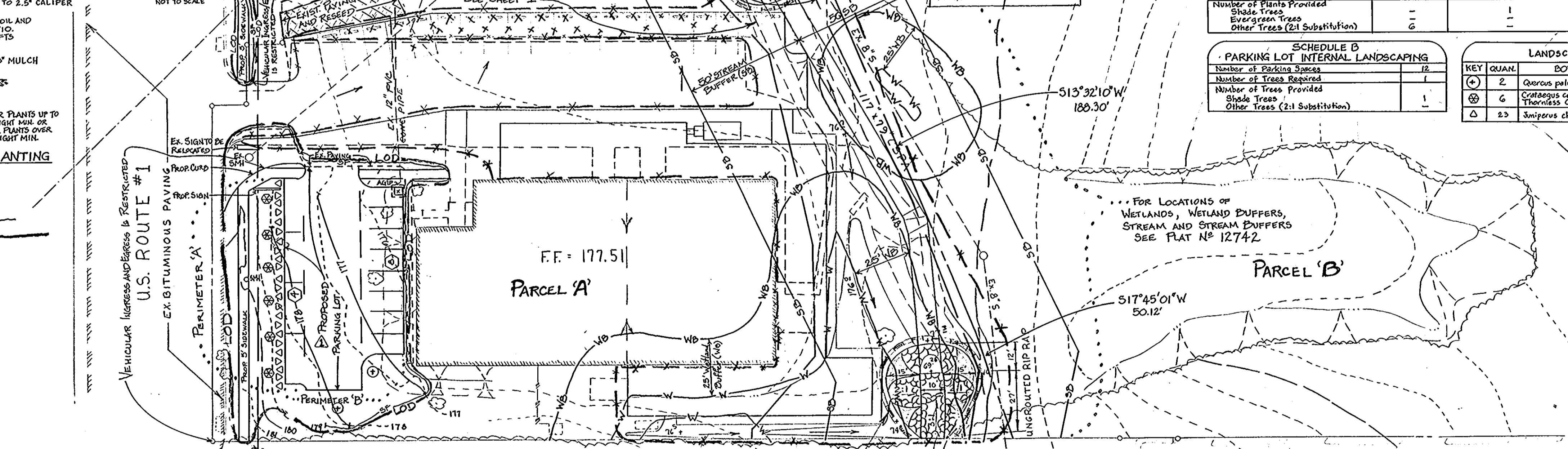
Category	Area (Acres)	C <sub>AVG</sub>	Weighted Area (Acres)
Light Manufacturing	15.01	.91	13.66
Heavy Manufacturing	28.71	.91	26.13
General Business	3.30	.91	3.00
One Family Detached	5.37	.39	2.09
One Family Detached	6.61	.43	2.84
Rural Conservation	8.0	.30	2.40
<b>Total</b>	<b>67.0</b>		<b>50.12</b>

$C_{AVG} = \frac{50.12}{67} = .75$

- NOTES**
1. CONSULT INTERNATIONAL SOCIETY OF ARBORICULTURE GUIDELINES FOR PROPER CARE OF PLANTS. OBTAIN A COPY OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE GUIDELINES FOR PROPER CARE OF PLANTS. OBTAIN A COPY OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE GUIDELINES FOR PROPER CARE OF PLANTS.
  2. EACH TREE SHALL BE PLANTED IN SUCH A MANNER AS TO BE VISIBLE AT THE TOP OF THE TRUNK.
  3. STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST YEAR AFTER PLANTING.
  4. PLANT SPACING SHALL BE AS SHOWN ON PLANS.
  5. KEEP MULCH 1" FROM TRUNK.
  6. SEE INTERNATIONAL PLANTING FOR ADDITIONAL PLANTING INSTRUCTIONS.
  7. TREES ARE NOT TO BE PLANTED OVER POWER LINES OR UNDER POWER LINES.



**LEGEND (cont.)**  
Silt Fence SF  
LOD LOD



**SCHEDULE A: PERIMETER LANDSCAPE EDGE**

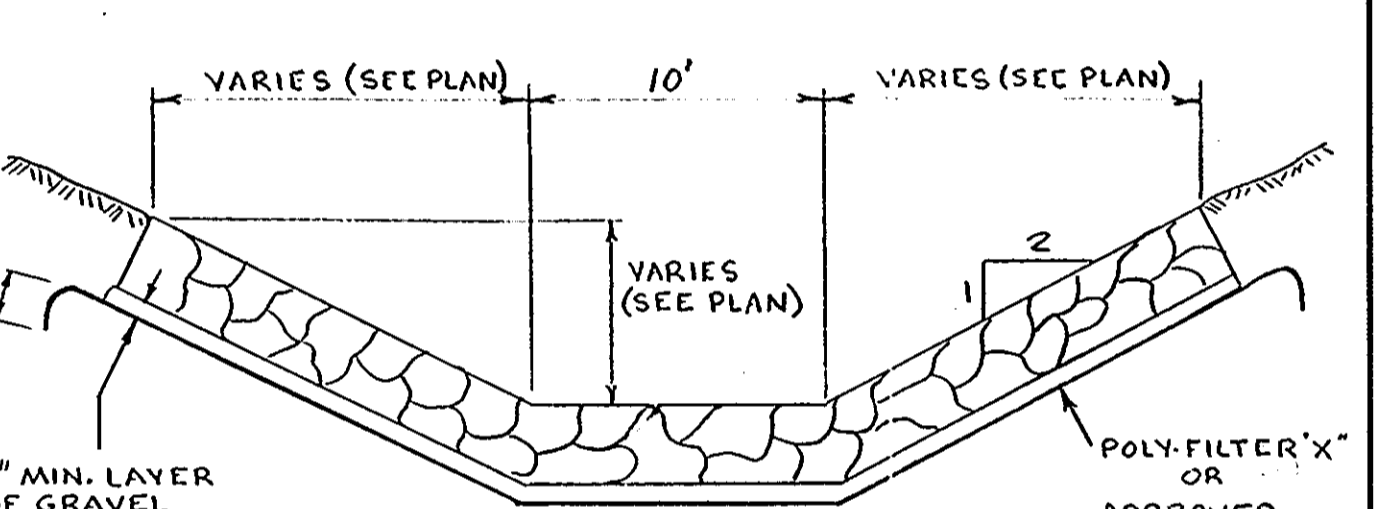
Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Perimeter Frontage Designation	E	A
Linear Feet of Roadway Frontage/Perimeter	92	51
Credit for Existing Vegetation Remaining Perimeter Length	No	No
Credit for Wall Fence on Term Remaining Perimeter Length	No	No
Number of Plants Required	1:40 3	1:60 1
Number of Plants Provided	1:4 23	1:1 1
Shade Trees	1	1
Evergreen Trees	1	1
Other Trees (2:1 Substitution)	1	1

**SCHEDULE B: PARKING LOT INTERNAL LANDSCAPING**

Category	Number of Plants Required	Number of Plants Provided
Shade Trees	1	1
Other Trees (2:1 Substitution)	1	1

**LANDSCAPE SCHEDULE**

KEY	QUAN.	BOTANICAL NAME	SIZE	NOTE
⊙	2	Quercus pelustris, Pin Oak	2 1/2" - 3" Cal.	⊕ & B
⊕	6	Crataegus coccinea, Thornless Cockspur Hawthorn	1 1/2" - 2" Cal.	⊕ & B
⊗	23	Juniperus chinensis 'Sargentii'	16" - 24" sp.	4 x C



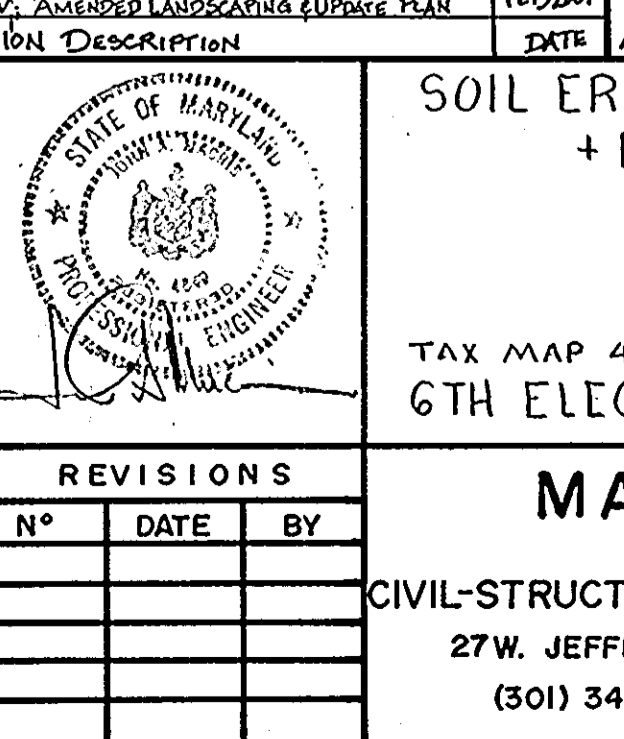
TYPICAL SECTION OF UNGROUTED RIP RAP  
MED. STONE DIAM. = 8"  
LARGEST STONE DIAM. = 12"  
MIN. THICKNESS OF RIP RAP = 1.5'

REVIEWED FOR HOWARD S.C.D. NAME  
AND MEETS TECHNICAL REQUIREMENTS  
Eric M. Herman 9/17/76 SIGNATURE DATE  
U.S. SOIL CONSERVATION SERVICE

**DEVELOPER'S CERTIFICATION**  
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY." DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.  
Andrew S. Tillery 9/17/76 SIGNATURE DATE  
Howard S.C.D. DATE

**ENGINEER'S CERTIFICATION**  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
Eric M. Herman 9/17/76 SIGNATURE DATE  
Howard S.C.D. DATE

**OWNER**  
MR. BRAD DAVIDSON, PRESIDENT  
SPARDATA  
9705 N WASHINGTON BLVD.  
LAUREL, MARYLAND 20723  
(PH) 800-845-4100; (FX) 240-553-1331  
(E-Mail) support@spardata.com  
**APPROVED**  
DIVISION OF LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE 9-1-76



**APPROVED** FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT  
Thomas G. Harris 9/30/76 COUNTY HEALTH OFFICER DATE  
**APPROVED** HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
Thomas G. Harris 10-1-76 PLANNING DIRECTOR DATE  
J.H. Clawson 10/1/76 CHIEF DIVISION OF LAND DEVELOPMENT DATE  
**APPROVED** FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
J.P. Bogan 9-22-76 DIRECTOR DATE  
Jamesville W. Wehland 9/21/76 CHIEF BUREAU OF HIGHWAYS DATE

**SOIL EROSION AND SEDIMENT CONTROL PLAN + DRAINAGE AREA MAP**  
SUNBELT PROPERTY (PARCEL 'A')  
TAX MAP 47 PARCEL 542 BLOCK 23 PLAT # 12742  
6TH ELECTION DISTRICT, HOWARD CO., MD.  
**MACRIS-FOWLER ASSOCIATES**  
CIVIL-STRUCTURAL ENGINEERS, SURVEYORS, PLANNERS  
27W. JEFFERSON ST. ROCKVILLE, MD. 20850  
(301) 340-8705 (301) 762-3858  
DESIGNED JWH DRAWN JWH  
CHECKED JAM DATE 5/2/76  
JOB NO. 76-506  
DRAWING NO. 2 OF 2