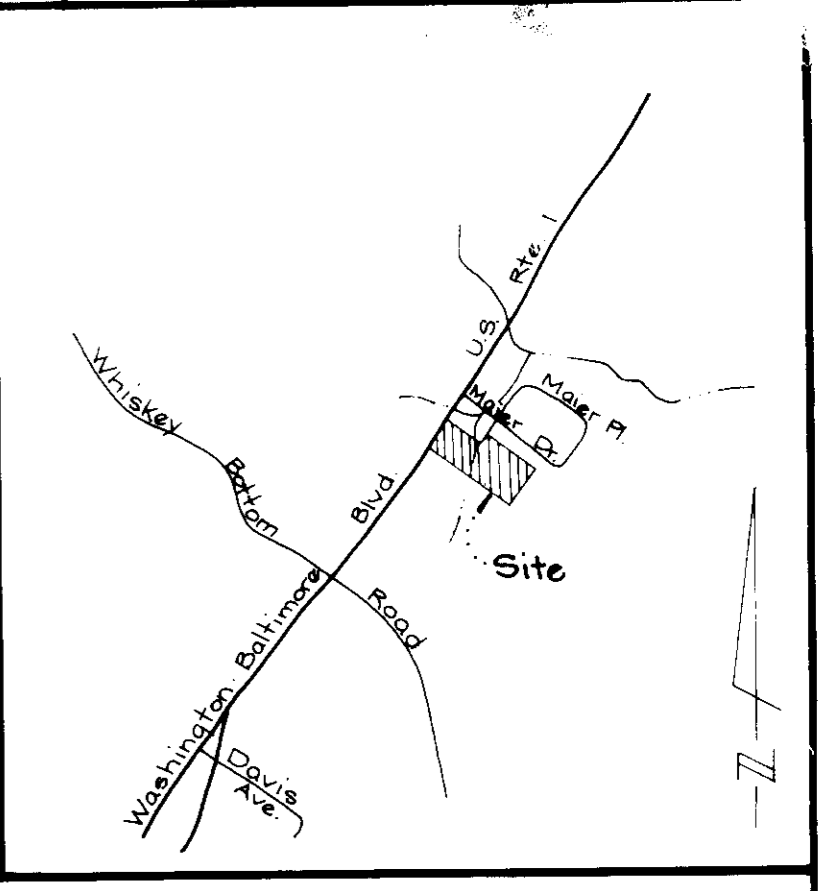
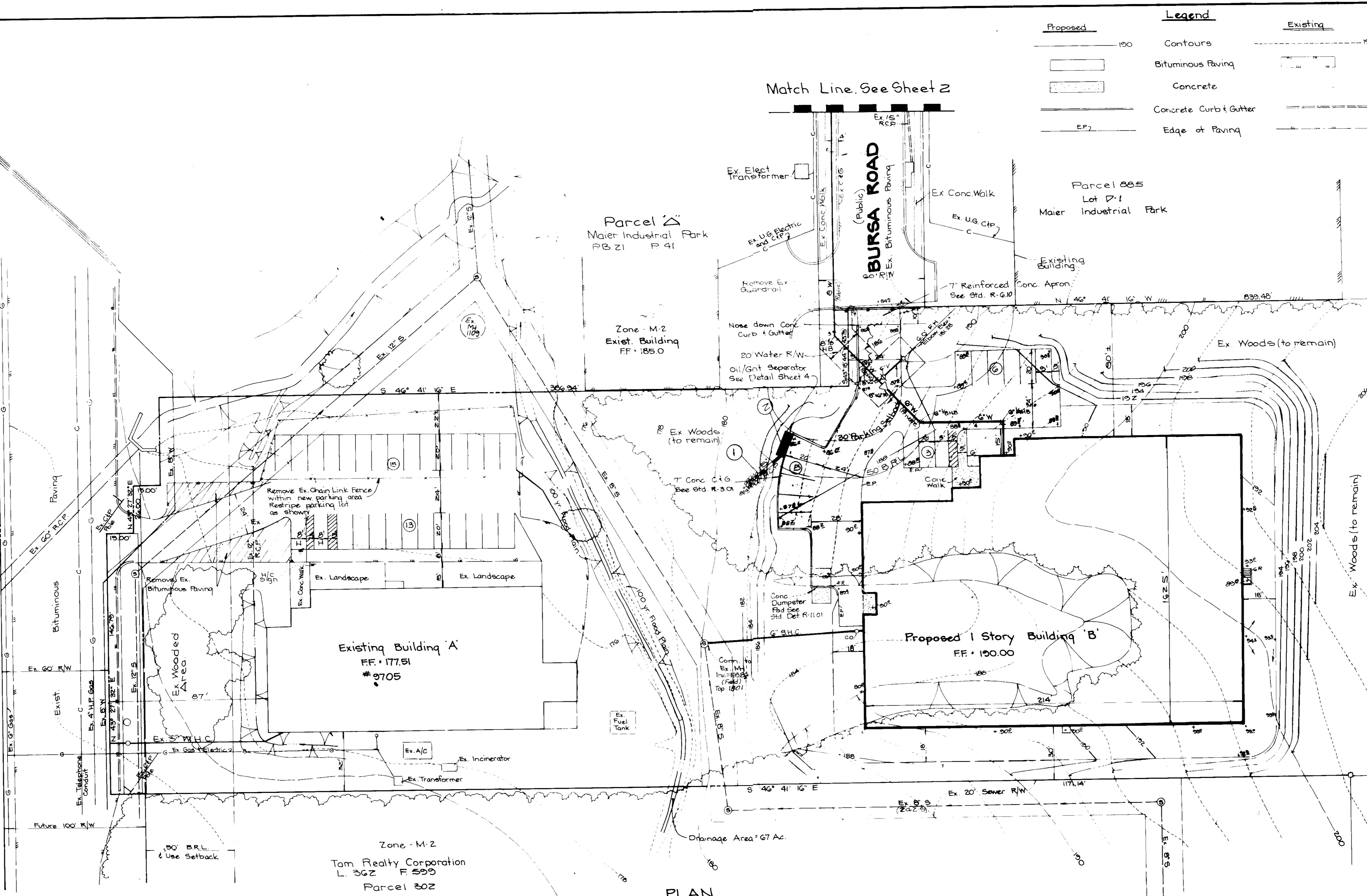


Proposed	Existing
— 100 —	— 100 —
[Symbol]	[Symbol]
[Symbol]	[Symbol]
[Symbol]	[Symbol]
[Symbol]	[Symbol]



**U.S. ROUTE #1**  
Washington, Baltimore Blvd.  
(Public)



**General Notes**  
Total Area of Parcel: 2.5665 Ac.  
Present Zoning: M-2  
Proposed Use: Research Laboratory  
Existing Floor Area: 11,250 sq. ft.  
Proposed Floor Area: 31,704 sq. ft.  
Total Floor Area: 42,954 sq. ft.  
Green Space Required: 20% or 60,902 sq. ft.  
Green Space Provided: 227,300 sq. ft. or 73%  
Building Height: 21' 8"  
Tax Map: 47  
Total Area of Submission: 2.5665 Ac.

**Parking Schedule**  
Proposed Employees: 60 persons  
Parking Required: 71 spaces / 10 employees (Sect. 123 B 2b (3))  
42 spaces  
Parking Provided: Standard Spaces (9' x 20') = 50 spaces  
Handicap Spaces (12' x 20') = 3 spaces  
Total = 42 Spaces

Proposed Employees (Bldg. A): 40 persons  
Parking Required: 28 spaces  
Parking Provided: 28 spaces

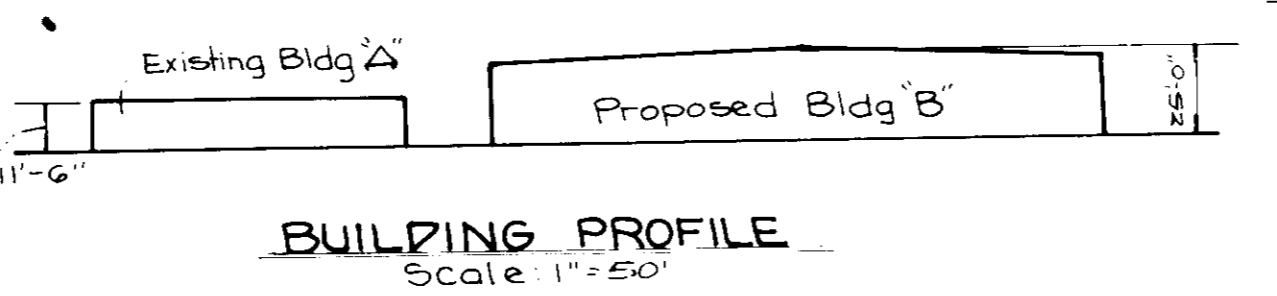
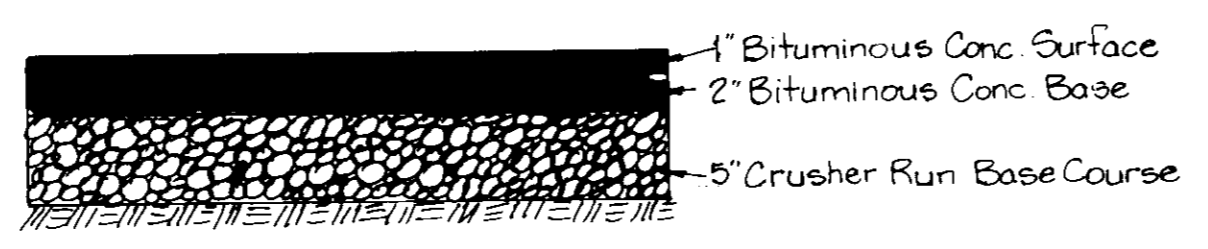
Proposed Employees (Bldg. B): 20 persons  
Parking Required: 14 spaces  
Parking Provided: 14 spaces



CALL "MISS UTILITY"  
TELEPHONE 1-800-257-7777  
FOR UTILITY LOCATIONS  
AT LEAST 48 HOURS BEFORE  
BEGINNING CONSTRUCTION

APPROVED	For Public Water and Public Sewerage Systems Howard County Health Department	<i>Joyce M. Boyle</i> County Health Officer	5-21-87
APPROVED	Howard County Office of Planning and Zoning	<i>John M. Murchison</i> Planning Director	5-23-87
APPROVED	For Public Water and Public Sewerage Storm Drainage Systems and Public Roads Howard County Department of Public Works	<i>ACTING: John F. ...</i> Chief Division of Land Development and Zoning Administration	5-22-87
APPROVED	For Public Water and Public Sewerage Storm Drainage Systems and Public Roads Howard County Department of Public Works	<i>William ...</i> Director	5-19-87

APPROVED  
DIVISION OF PLANNING AND ZONING  
HOWARD COUNTY  
4-13-87  
M. J. ...



**Owner**  
Howard County Maryland  
County Commissioners of Howard County  
George Howard Building  
3430 Court House Drive  
Ellicott City, Maryland 21043

**Developer**  
Tegeris Laboratories  
Dr. Andrew Tegeris  
9705 N. Washington Blvd. (U.S. Rte. 1)  
Laurel, Maryland 20707  
(301) 776-6036

NOTE: Proposed Building 'B' to be protected with an approved automatic sprinkler system.

Address Chart			
Building	Street Address		
A	5705 N. Washington Blvd. (U.S. Rte. 1)		
B	9180 Bursa Road		
Subdivision Name	Sect./Area	Parcel No.	
Tegeris Laboratories		P. 542	
Liber/Folio	Block	Zone	Tax Map
495/667	23	M-2	47
Water Code	Sewer Code		Conservation
C04	7100B00		G00G5

SDP 87-136

**SITE DEVELOPMENT PLAN**

**TEGERIS LABORATORIES**

Tax Map 47 Parcel 542 Block 23

Liber 495 Folio 667  
6th Election District  
Howard County, Maryland

**Macris, Hendricks and Witmer P.A.**  
Engineers • Planners • Surveyors

Suite 220  
9220 Wightman Road  
Gaithersburg, Maryland 20879  
(301) 670-0840

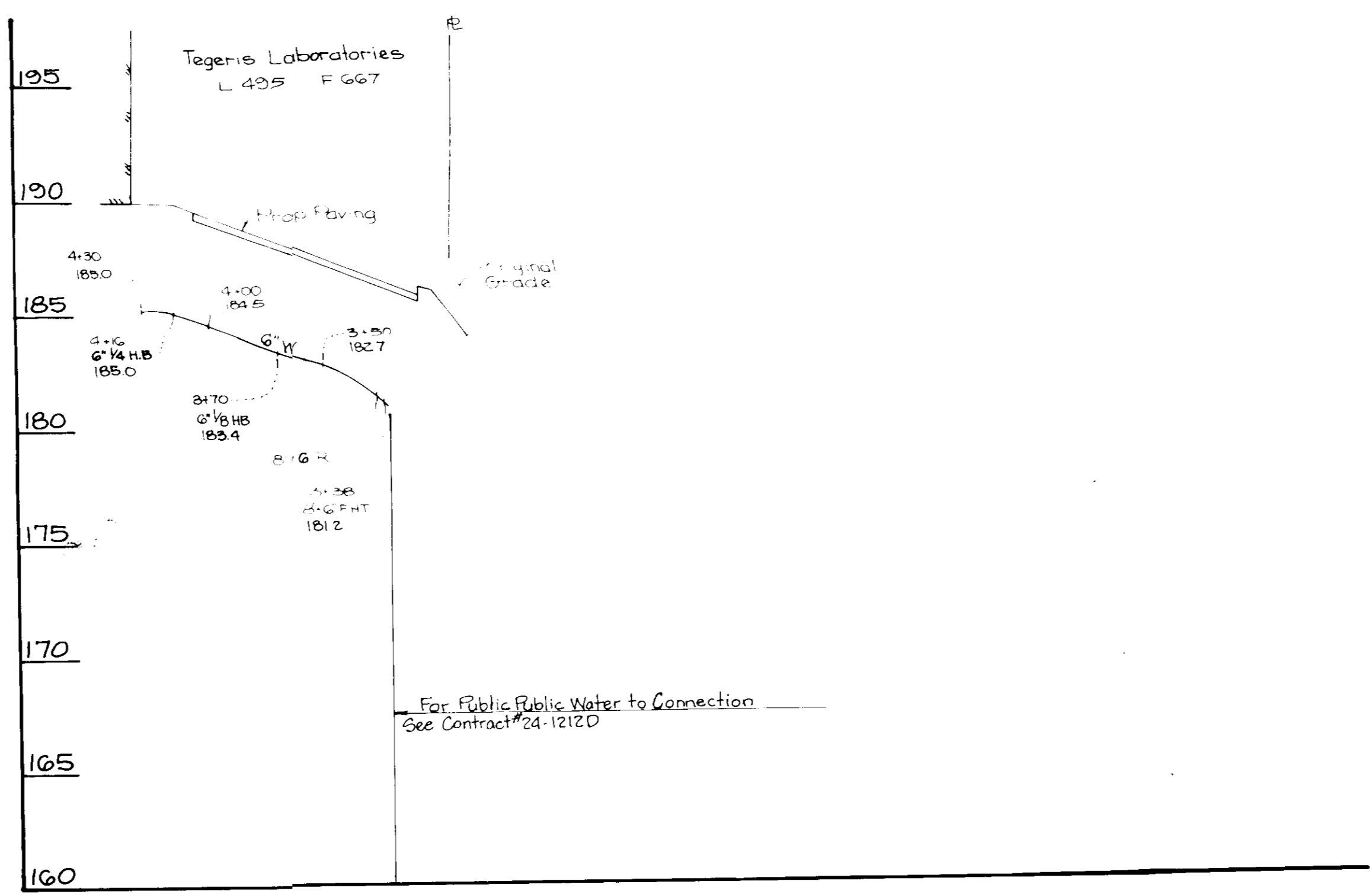
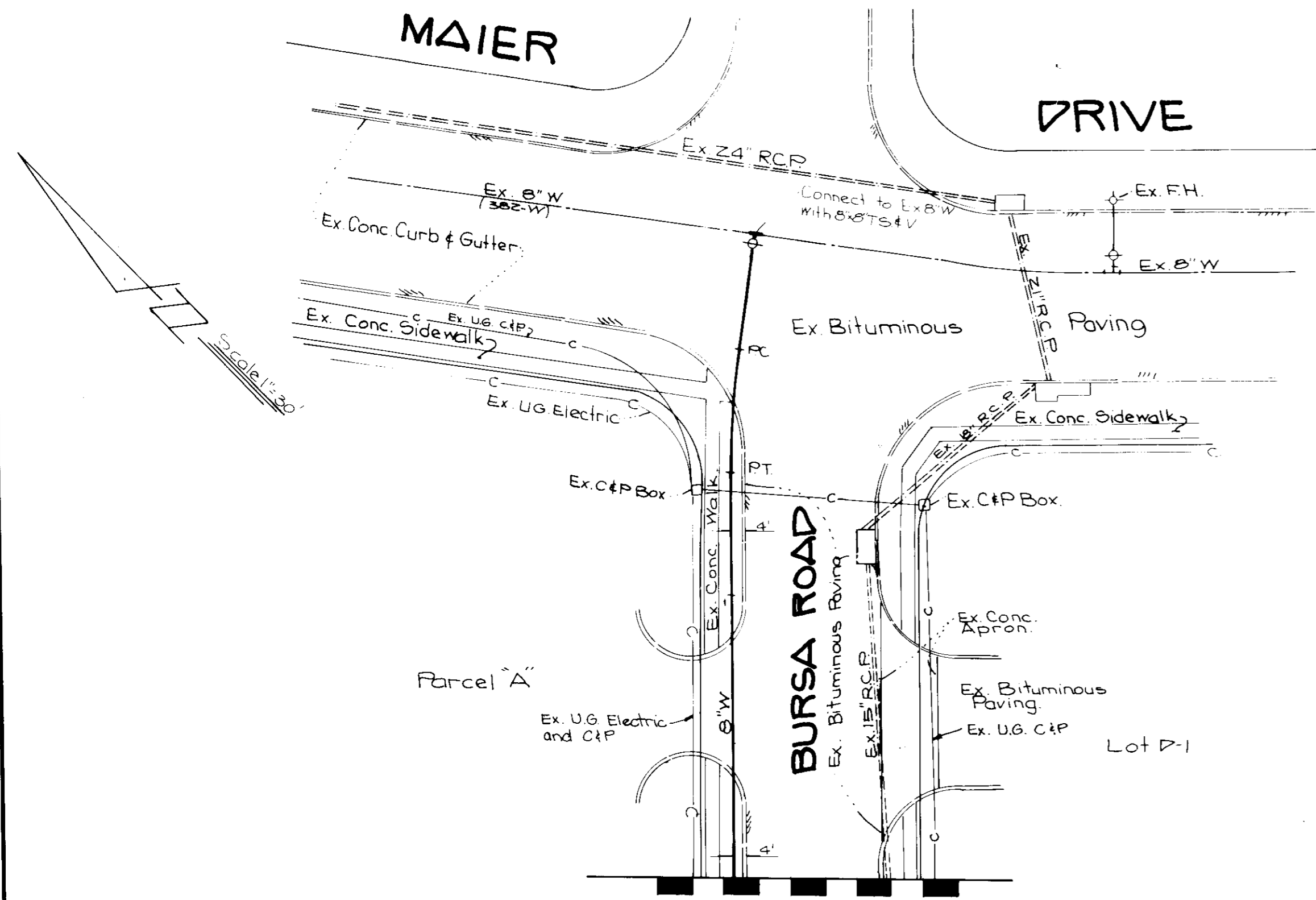
Designed	J. C. G.	Drawn	Betty
Date	Jan 12, 1987	Scale	1" = 80'
Job No.	75-144	Sheet	1 of 6

Revisions: 4/20/87 - Rev. Dumpster f&d

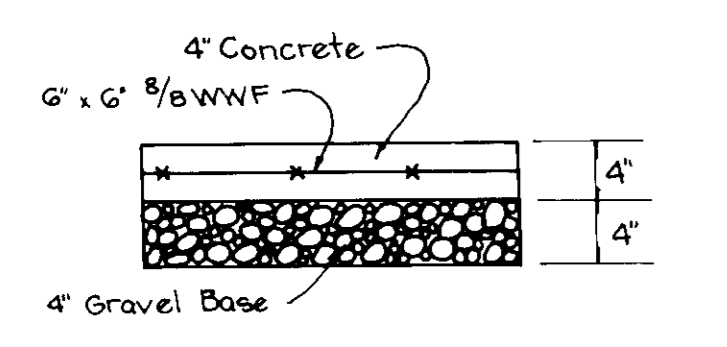
SDP-87-136

**GENERAL NOTES**

1. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
2. FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS, UNLESS OTHERWISE NOTED.
3. FOR MATERIAL AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
4. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  
BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE: 685-0123  
BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE: 685-0123  
"MISS UTILITY": 1-800-297-7777  
CHEESAPEAKE & POTOMAC TELEPHONE COMPANY: 725-9976
5. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
6. ALL 8" SEWER MAINS SHALL BE H.D.P.E., C.S.P.X., R.C.S.P., P.V.C., V.C.P.X., OR A.C.P. CLASS 2400 UNLESS OTHERWISE NOTED. ALL 15" SEWER MAINS TO BE R.C.C.P.
7. CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
8. ALL WATER MAINS SHALL BE D.I.P. UNLESS OTHERWISE NOTED.
9. TOP OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-1/2' COVER UNLESS OTHERWISE NOTED.
10. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
11. BLOCK ALL FITTINGS WITH CONCRETE.
12. ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.



**PROFILE**  
Scale Vert 1"=5'  
Horiz 1"=50'



**REINFORCED CONCRETE PAD FOR TRASH DUMPSTER**  
Not to Scale

**APPROVED** For Public Water and Public Sewerage Systems Howard County Health Department  
*Joyce Bogal us* 5-21-87  
 County Health Officer Date

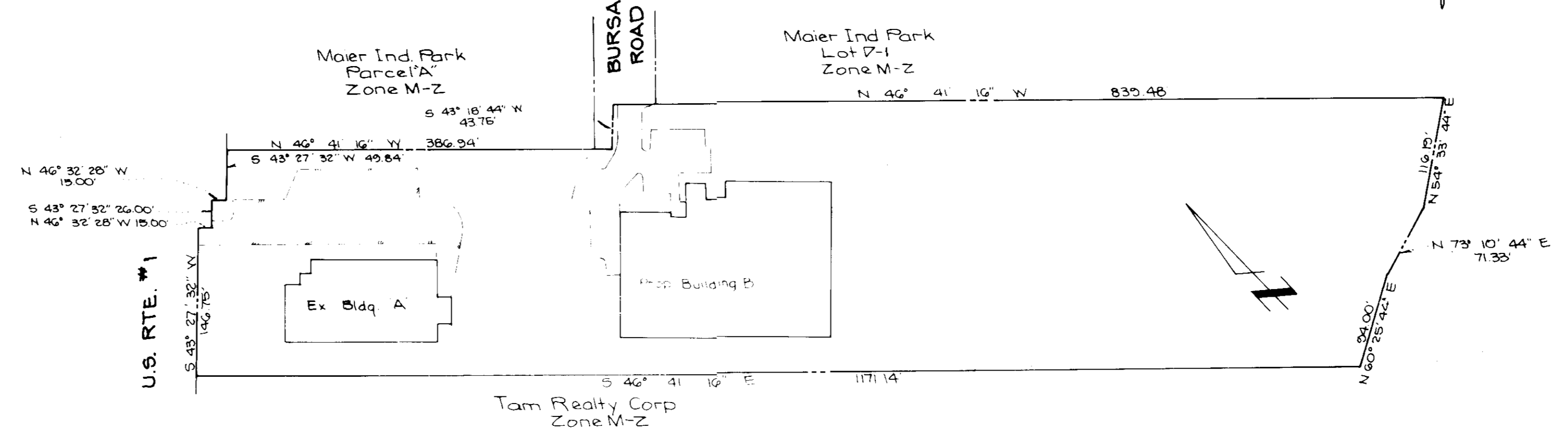
**APPROVED** Howard County Office of Planning and Zoning  
*Shall Murchman* 5-28-87  
 Planning Director Date

**APPROVED** Chief Division of Land Development and Zoning Administration  
*Louis F. Dunn* 5-22-87  
 Date

**APPROVED** For Public Water and Public Sewerage, Storm Drainage Systems and Public Roads Howard County Department of Public Works  
 Director Date

**APPROVED** Chief Bureau of Engineering  
*James C. Elbauck* 5-19-87  
 Date

**APPROVED** DIVISION OF LAND ZONING ADMINISTRATION  
 HOWARD COUNTY  
 DATE 4-13-87  
*M/270*



*James C. Elbauck*

**Owner**  
 Howard County Maryland  
 County Commissioners of Howard County  
 George Howard Building  
 3430 Court House Drive  
 Ellicott City, Maryland 21043

**Developer**  
 Tegeris Laboratories  
 Dr. Andrew Tegeris  
 5705 N. Washington Blvd. (U.S. Rte 1)  
 Laurel, Maryland 20707  
 (301) 776-6056

**S7P 87-136**

**SITE DEVELOPMENT PLAN**

**TEGERIS LABORATORIES**

Tax Map 47 Parcel 542 Block 23  
 Liber 495 Folio 667  
 6th Election District  
 Howard County, Maryland

**Macris, Hendricks and Witmer P.A.**  
 Engineers • Planners • Surveyors  
 Suite 220  
 9220 Wightman Road  
 Gaithersburg, Maryland  
 20879  
 (301) 670-0840

Designed J.C.G.	Drawn Betty
Date Jan. 19, 1987	Scale As Noted
Job No 75-144	Sheet 2 of 2

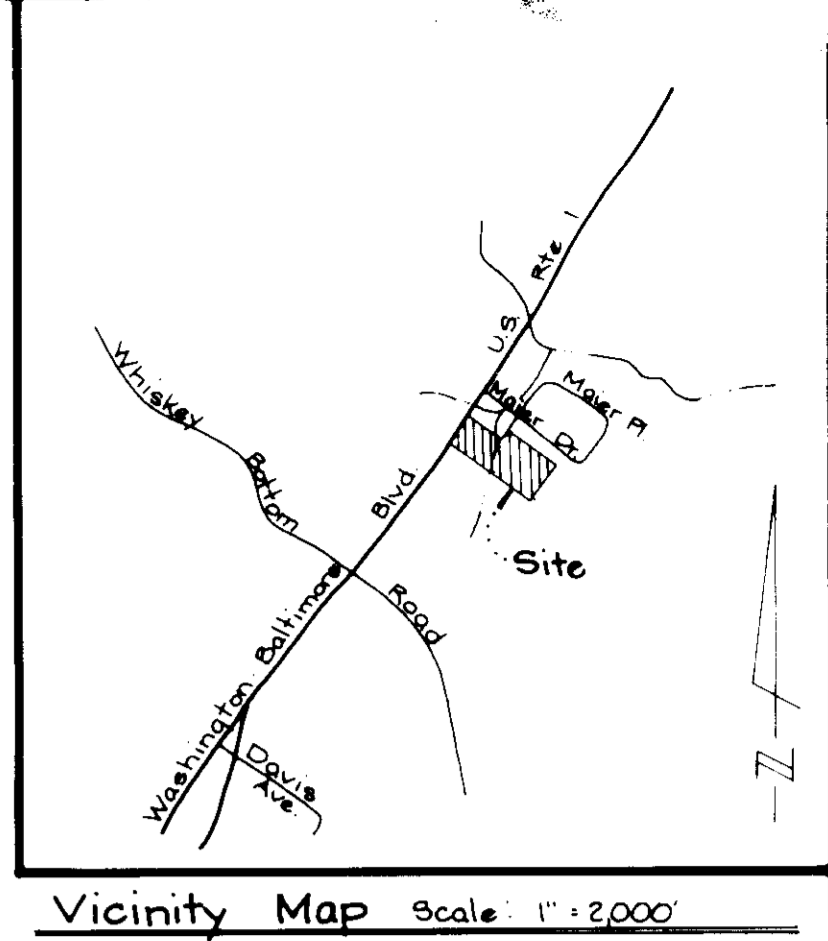


**Developer's Certification**  
 "I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."  
*Dr. Andrew Tegeris* 4/17/87  
 Date

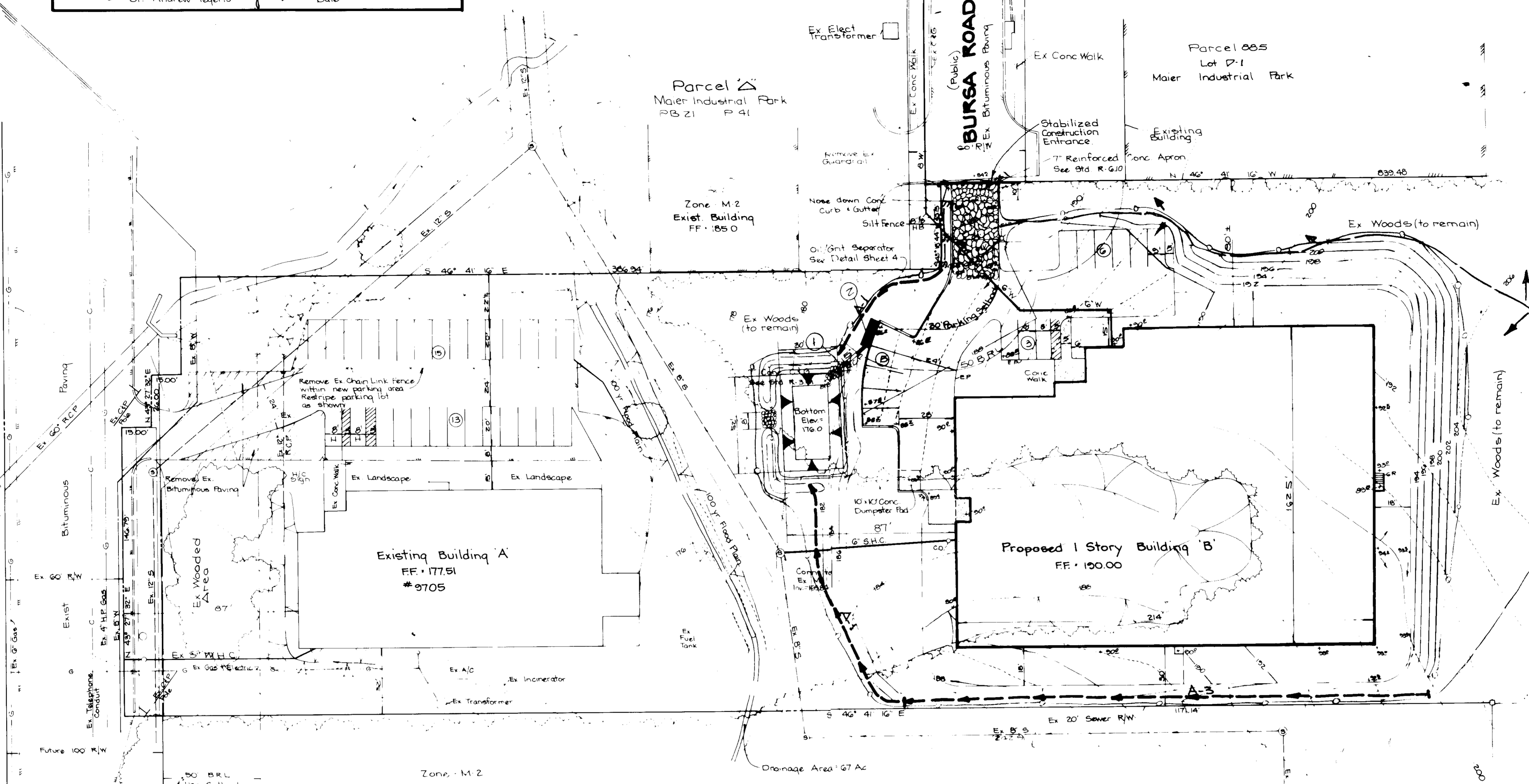
**ENGINEER'S CERTIFICATE**  
 I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
*James C. Glasscock* 4/20/87  
 James C. Glasscock, P.E. Date  
 Reg. No. 11968

**Legend**

Proposed	Existing
--- 100 ---	--- 100 ---
[Symbol]	[Symbol]
[Symbol]	[Symbol]
[Symbol]	[Symbol]
[Symbol]	[Symbol]



**U.S. ROUTE #1**  
 Washington, Baltimore Blvd.  
 (Public)



**Site Analysis**  
 Total Area of Parcel: 2.5225 Ac  
 Present Zoning: M-2  
 Proposed Use: Research Laboratory  
 Existing Floor Area: 11,800 sf  
 Proposed Floor Area: 51,704 sf  
 Total Floor Area: 43,654 sf  
 Green Space Required: 20% or 60,692 sf  
 Green Space Provided: 227,500 sf or 7.9%  
 Building Height: 21' 8"

**Parking Schedule**  
 Proposed Employees: 60 persons  
 Parking Required: 7 spaces / 10 employees (Sect. 125 B 2b (13))  
 42 spaces  
 Parking Provided: Standard Spaces (9' x 20') = 50 spaces  
 Handicap Spaces (12' x 20') = 3 spaces  
 Total: 42 Spaces

CALL "MISS UTILITY"  
 TELEPHONE 1-800-257-7777  
 FOR UTILITY LOCATIONS  
 AT LEAST 48 HOURS BEFORE  
 BEGINNING CONSTRUCTION

**Stone Outlet Sediment Trap**  
 Drainage Area = 1.81 Ac  
 Storage Required = 123 cy  
 Storage Provided = 123 cy  
 Size @ Outlet Elev = 52' x 30'  
 @ Outlet Elev = 40' x 18'  
 Depth = 3'  
 Outlet Elevation = 179.0  
 Bottom Elevation = 176.0  
 Length of Stone = 8'

**PLAN**  
 Scale: 1" = 30'

**APPROVED**  
 For Public Water and Public Sewerage Systems  
 Howard County Health Department  
*James P. ...* 5-21-87  
 Date

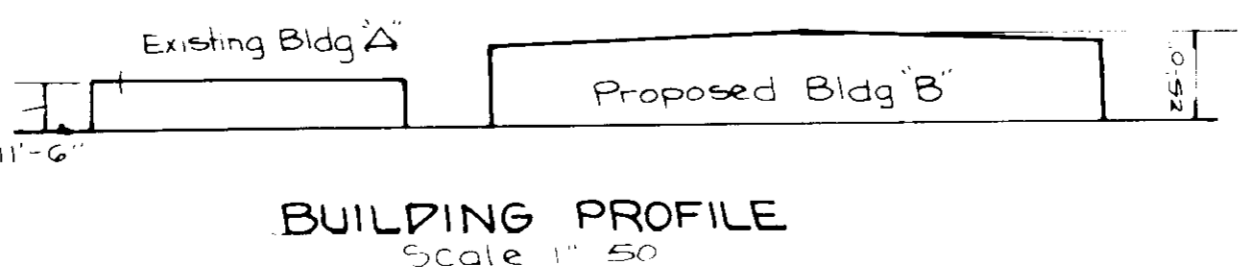
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 HOWARD S.C.D. DATE

**APPROVED**  
 Howard County Office of Planning and Zoning  
*John W. ...* 5-22-87  
 Date

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
 U.S. SOIL CONSERVATION SERVICE DATE

**APPROVED**  
 For Public Water and Public Sewerage and Storm Drainage Systems and Public Roads  
 Howard County Department of Public Works  
*William B. ...* 5-19-87  
 Date

**APPROVED**  
 DIVISION OF LAND DEVELOPMENT  
 ZONING ADMINISTRATION  
 HOWARD COUNTY MARYLAND  
 DATE 4-13-87  
*MW / J 78*



**Owner**  
 Howard County Maryland  
 County Commissioners of Howard County  
 George Howard Building  
 3430 Court House Drive  
 Ellicott City, Maryland 21043

**Developer**  
 Tegeris Laboratories  
 Dr. Andrew Tegeris  
 8705 N. Washington Blvd (US Rte. 1)  
 Laurel, Maryland 20707  
 (301) 776-8036

**Address Chart**

Street Address
A 9705 N Washington Blvd (U.S. Rte. 1)
B 2180 Bursa Road

Subdivision Name	Sect./Area	Parcel No.
Tegeris Laboratories		P 542

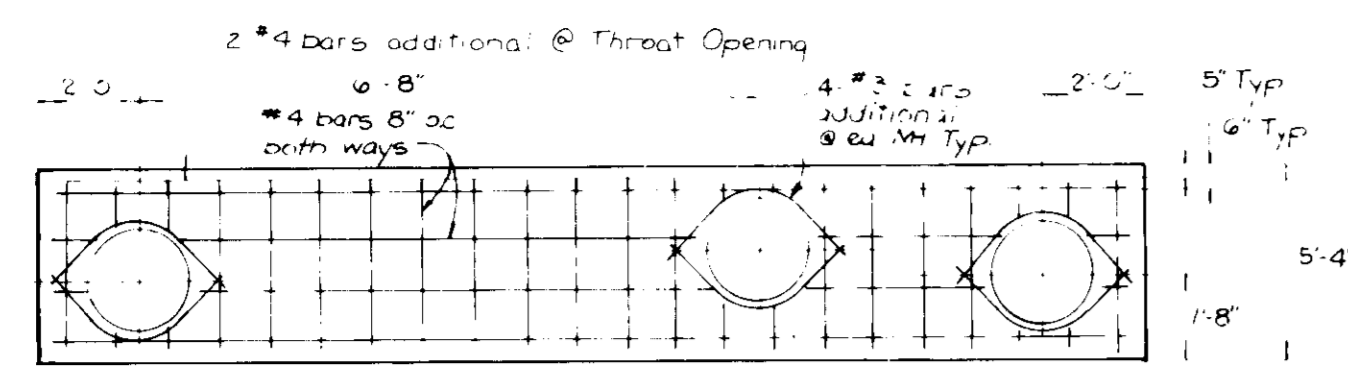
Liber/Folio	Block	Zone	Tax Map	Elec. Dist.	Conserv. Tr.
495/607	23	M-2	47	G	6063

Water Code	Sewer Code
004	7100800

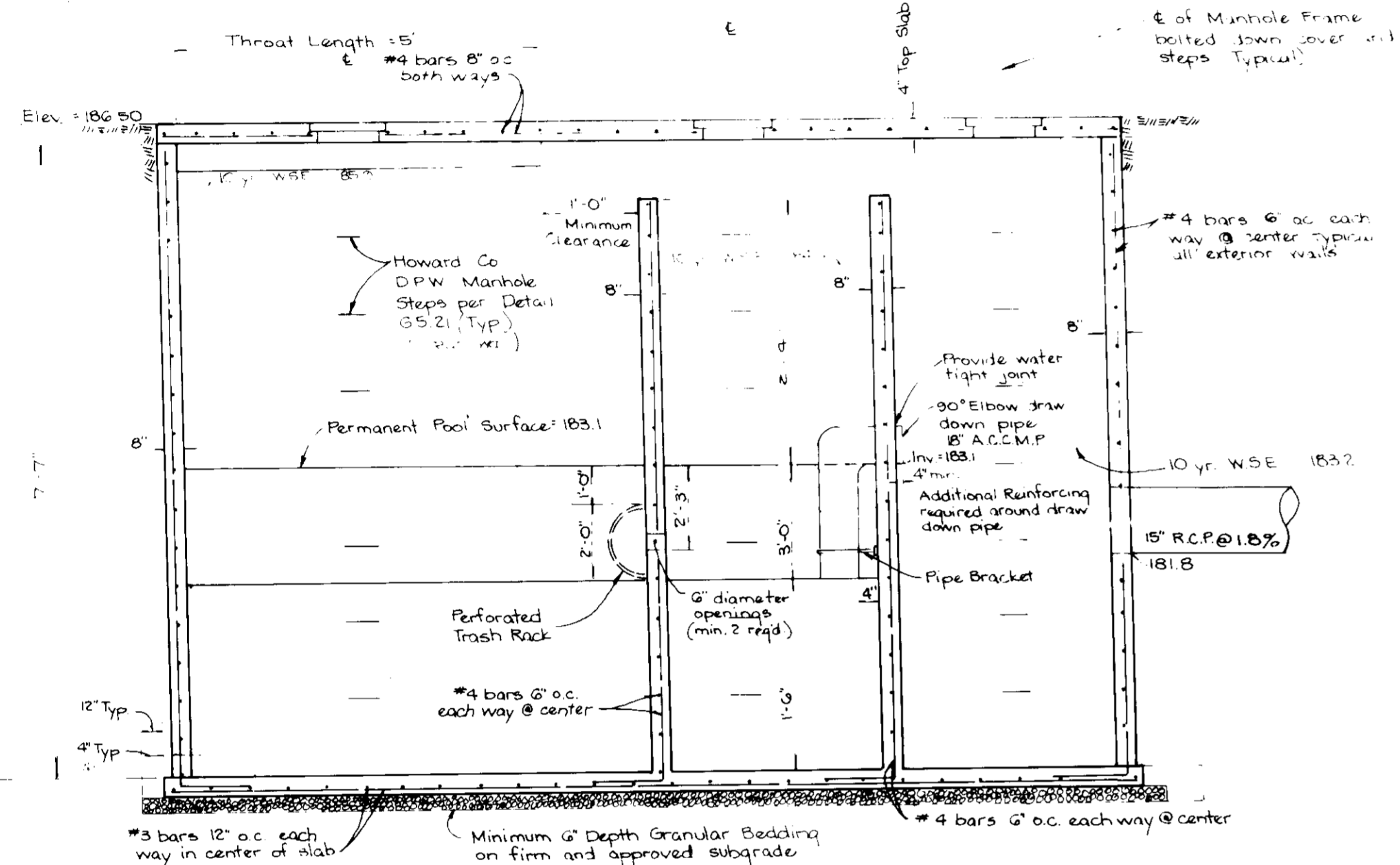
**SDP 87-136**  
 SOIL EROSION, SEDIMENT CONTROL AND STORMWATER MANAGEMENT PLAN  
**TEGERIS LABORATORIES**  
 Tax Map 47 Parcel 542 Block 23  
 Liber 495 Folio 607  
 6th Election District  
 Howard County, Maryland

Designed J.C.G.	Drawn Betty
Date Jan 13, 1987	Scale 1" = 30'
Job No 75-144	Sheet 3 of 6

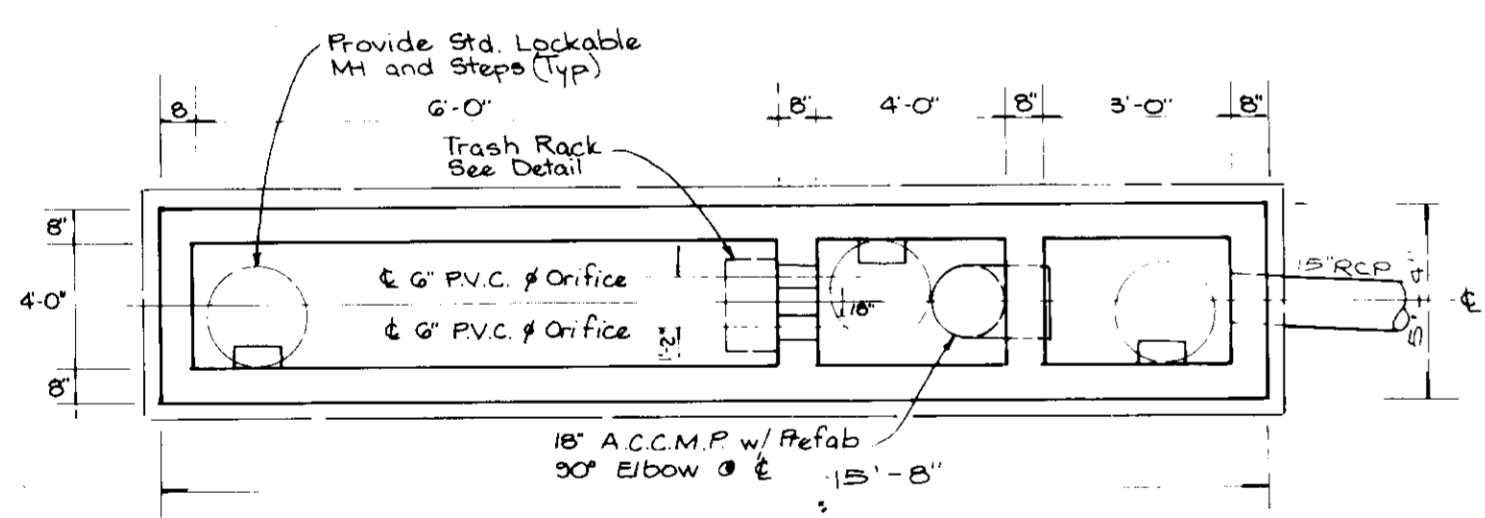
Macris, Hendricks and Witmer P.A.  
 Engineers • Planners • Surveyors  
 Suite 220  
 9220 Wightman Road  
 Gaithersburg, Maryland 20879  
 (301) 670-0840



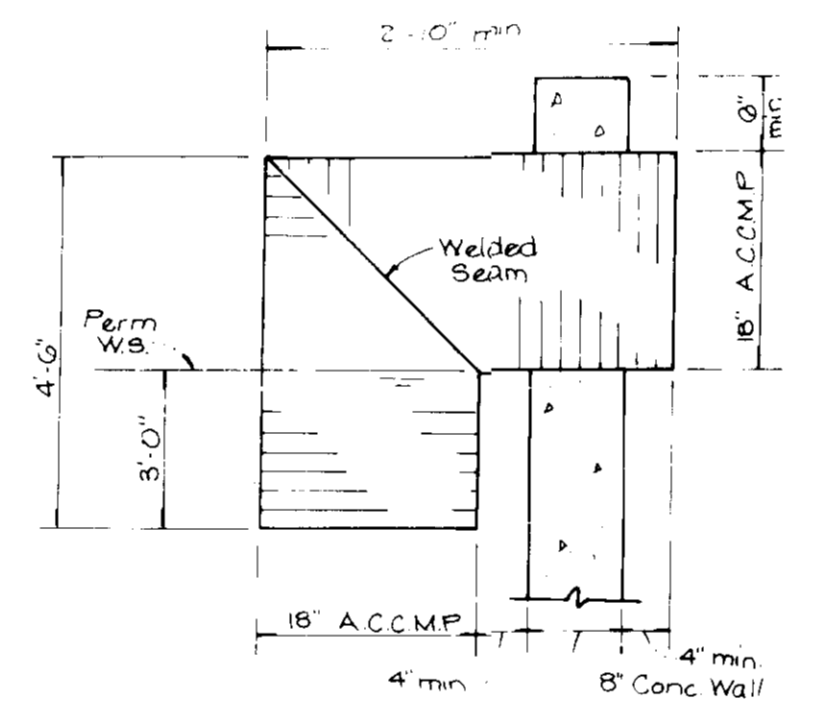
PLAN VIEW of TOP SLAB  
Not to Scale



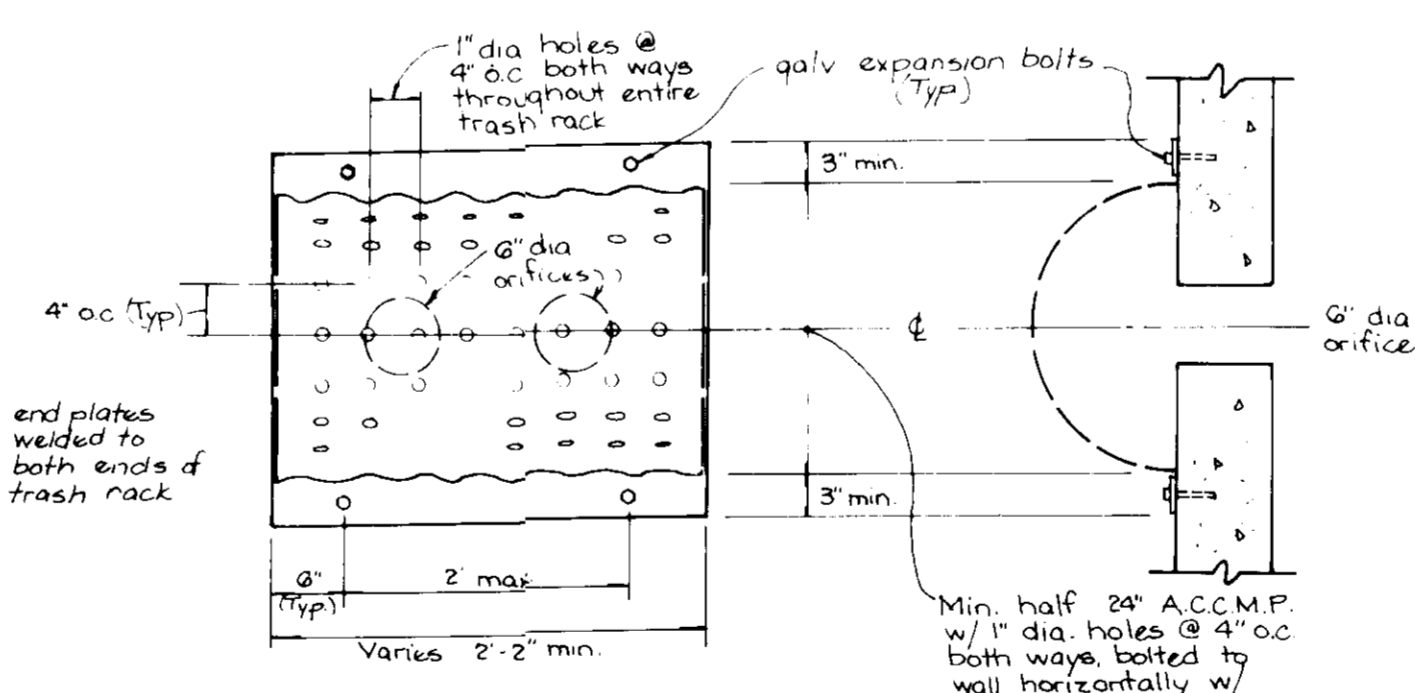
OIL/GRIT SEPARATOR  
Not to Scale



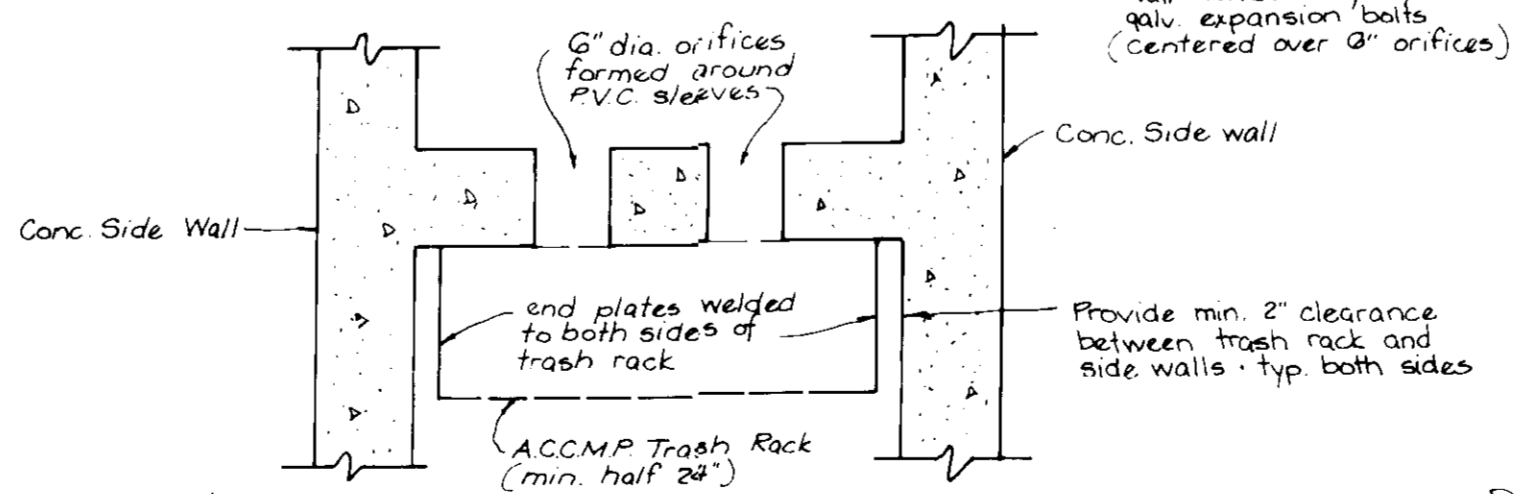
PLAN VIEW  
Not to Scale



90° A.C.C.M.P. ELBOW  
Not to Scale



A.C.C.M.P. TRASH RACK  
Scale: 3/4" = 1'-0"



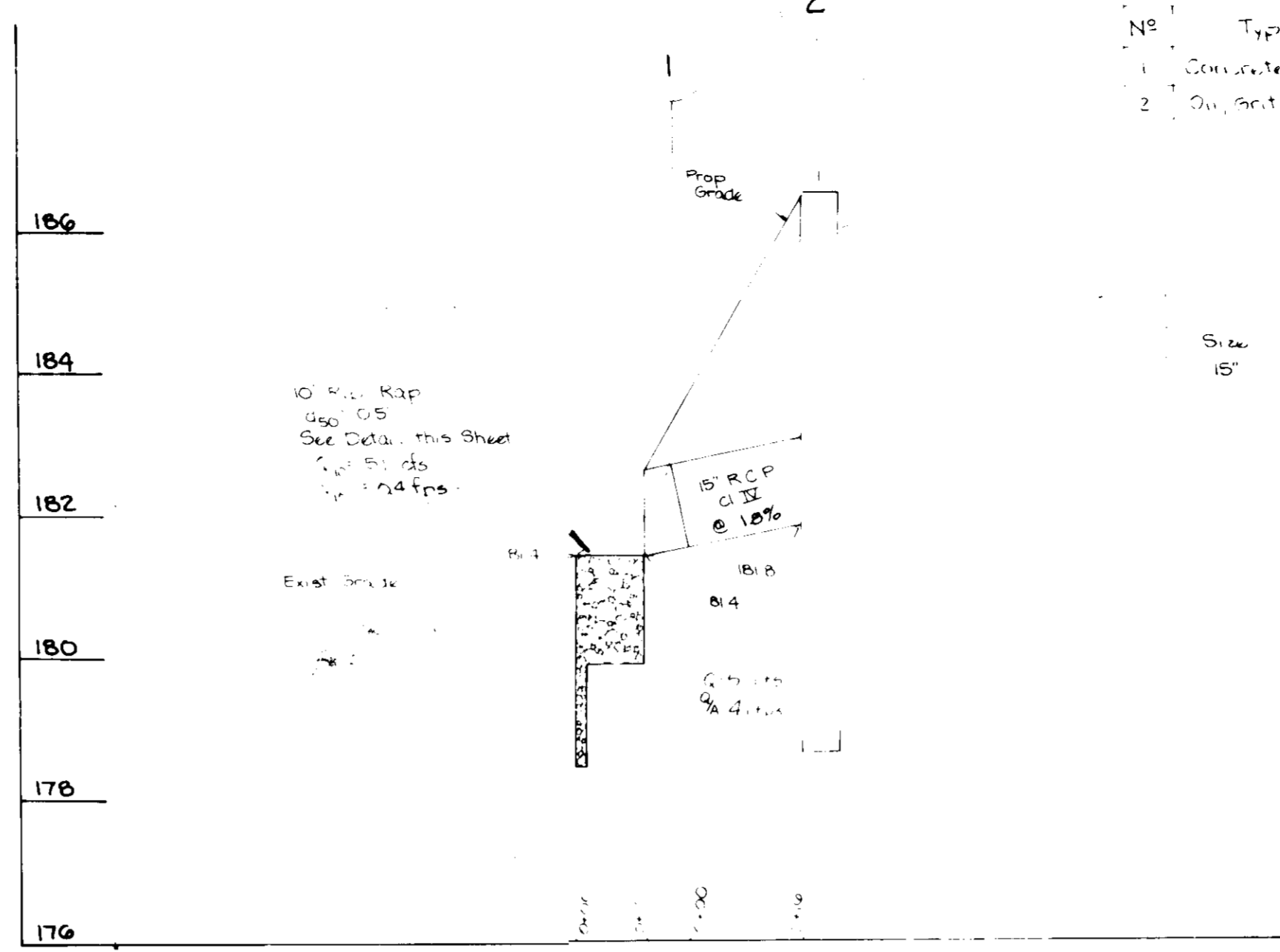
PLAN VIEW

STRUCTURE SCHEDULE

No.	Type	Top Elev.	Standard
1	Concrete Box Section	186.5	Howard Co. DPW SD 551
2	Oil/Grit Separator	186.5	See Detail this sheet

PIPE SCHEDULE

Size	Type	Length
15"	R.C.P. class IV	16'

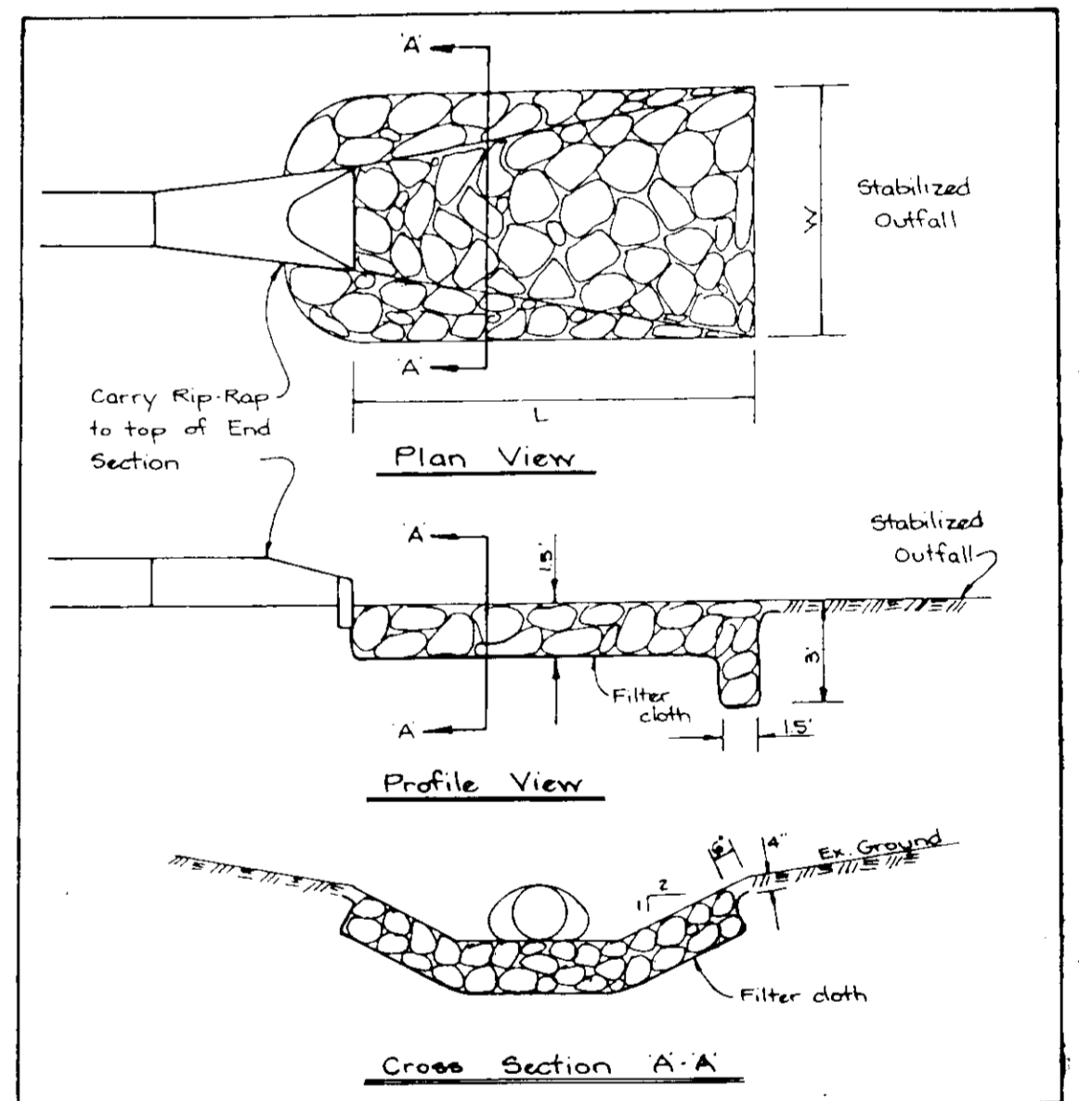


PROFILE  
Scale: Horiz 1"=20'  
Vert 1"=2'

- INSPECTION NOTES:
- Prior to start of construction on water quality structures, the inspector must be called 48 hours in advance.
  - The inspector must be notified at each of the following stages:
    - Approval of subgrade for footings.
    - Footings formed and steel set prior to pouring.
    - Structure sides formed and steel set prior to pouring.
    - Prior to top slab and manholes being set. Inspector must check structure and all debris and soil in structure removed.
    - When site is permanently stabilized and sediment control measures to protect inlet are to be removed.

- MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)
- Water Quality Structures will require periodical cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determine is appropriate. Owners of water quality structures will be notified by the County of the frequency of maintenance.
  - Maintenance of these facilities will consist of cleaning out the separator and disposal of the waste and the repair of the facility as needed. Periodic inspections of these facilities will be made by DER.
  - The disposal of the liquid and solid matter should be as follows:
    - All liquid material in the separator inlet shall be pumped into a suitable tank truck and disposed of at an approved sanitary district discharge manhole or be taken to an approved sewage treatment plant for discharge.
    - The solid material shall be landfilled in an approved sanitary landfill.
- The inlet pipes, trash racks, grates, and structural parts shall be repaired as needed.

- CONSTRUCTION NOTES:
- Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
  - All openings to structures shall be protected with the appropriate sediment control measures during construction.



Structure	OUTFALL DIMENSIONS		
	L	W	Stone Size
1	10'	5'	d <sub>50</sub> 0.5'

RIP-RAP OUTFALL DETAIL

APPROVED For Public Water and Public Sewerage Systems Howard County Health Department  
 County Health Officer 5-24-87 Date

APPROVED Howard County Office of Planning and Zoning  
 Planning Director 5-23-87 Date  
 Chief Division of Land Development and Zoning Administration 5-22-87 Date

APPROVED For Public Water and Public Sewerage Storm Drainage Systems and Public Roads Howard County Department of Public Works  
 Director 5-17-87 Date  
 Chief Bureau of Engineering 5-17-87 Date

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY  
 DATE 4-13-87  
 M. J. F. J.

Owner  
 Howard County Maryland  
 County Commissioners of Howard County  
 George Howard Building  
 3430 Court House Drive  
 Ellicott City, Maryland 21043

Developer  
 Tegeris Laboratories  
 Dr. Andrew Tegeris  
 2105 N. Washington Blvd. (U.S. Rte. 1)  
 Laurel, Maryland 20707  
 (301) 716-8036

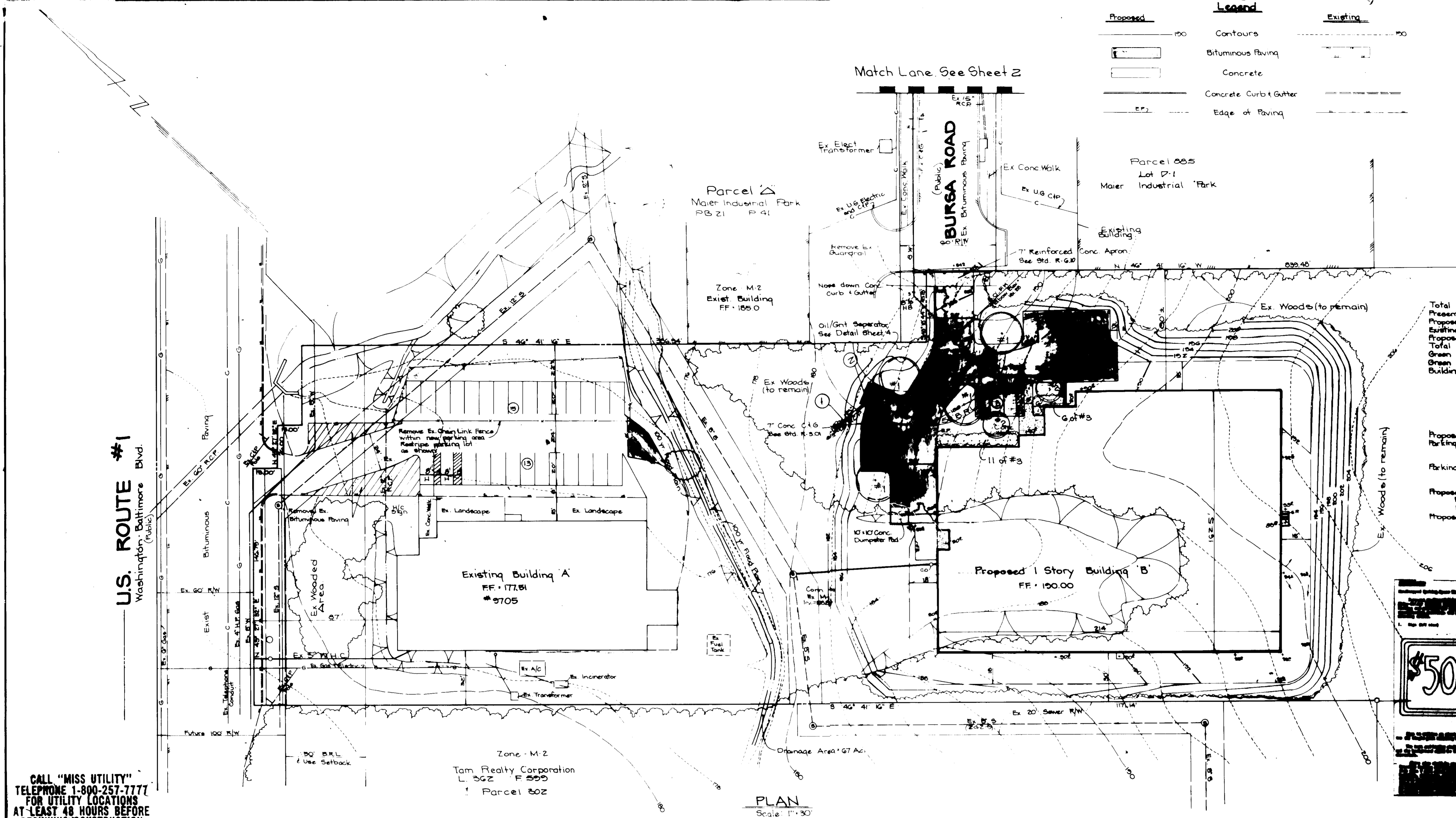
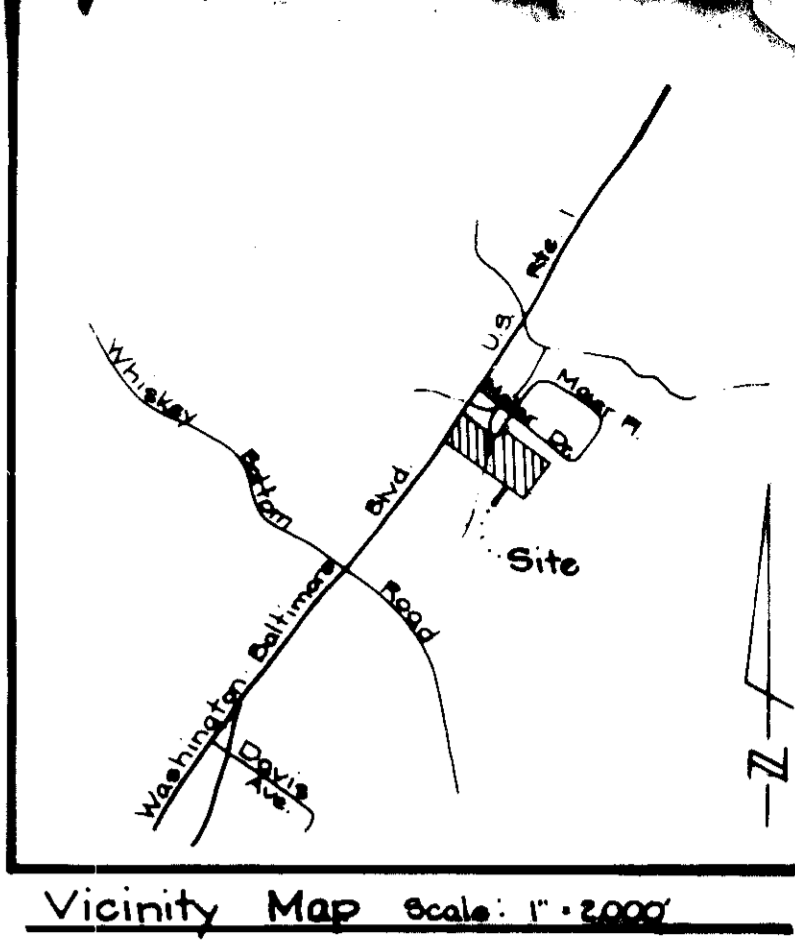
SITE DEVELOPMENT/STORMWATER MANAGEMENT PLAN  
**TEGERIS LABORATORIES**  
 Tax Map 47 Parcel 542 Block 23  
 Liber 495 Folio 667  
 6th Election District  
 Howard County, Maryland

Designed J.C.G. Drawn Betty  
 Date Jan 13, 1987 Scale As Noted  
 Job No 79-144 Sheet 4 of 6  
 (301) 670-0840  
**Macris, Hendricks and Witmer P.A.**  
 Engineers • Planners • Surveyors  
 Suite 220  
 9220 Wightman Road  
 Gaithersburg, Maryland 20879





Proposed	Legend	Existing
---	Contours	---
▬	Bituminous Paving	▬
▬	Concrete	▬
▬	Concrete Curb & Gutter	▬
---	Edge of Paving	---



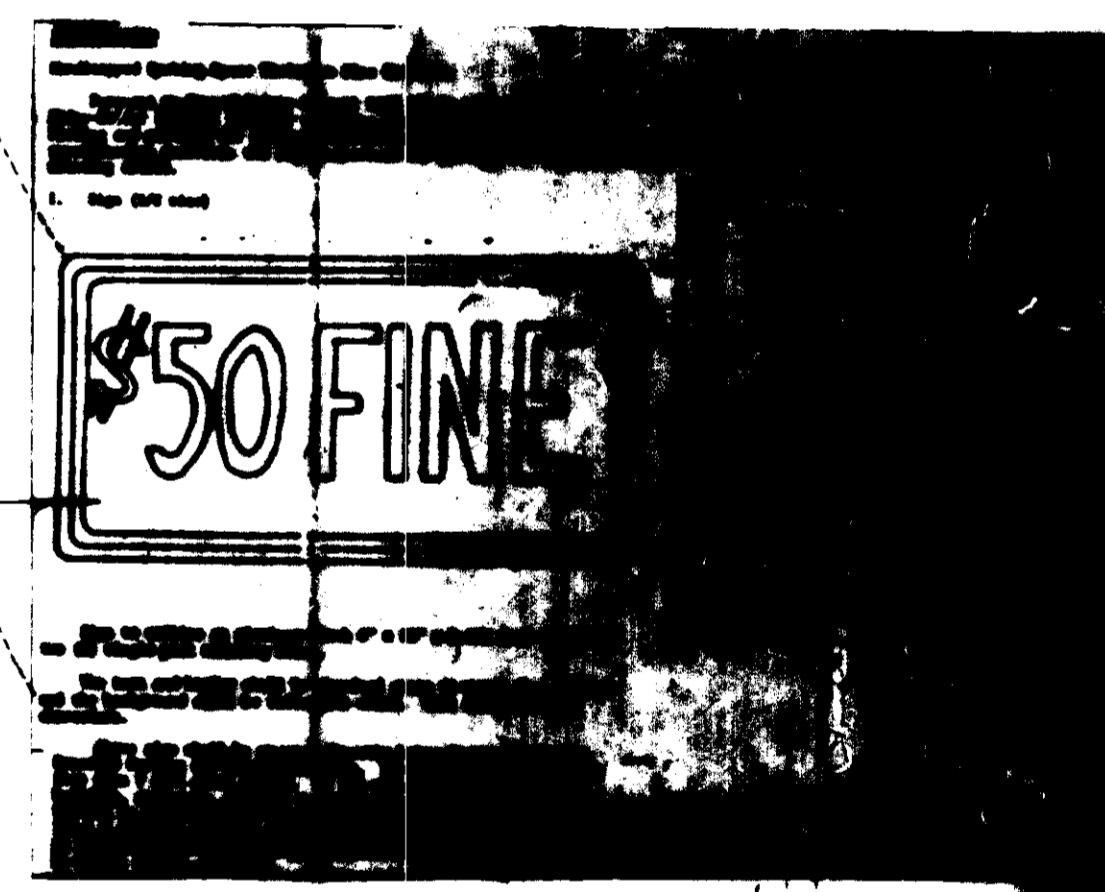
**Site Analysis**  
 Total Area of Parcel: 2.565 Ac.  
 Present Zoning: M-2  
 Proposed Use: Research Laboratory  
 Existing Floor Area: 11,100 sq. ft.  
 Proposed Floor Area: 6,174 sq. ft.  
 Total Floor Area: 4,926 sq. ft.  
 Green Space Required: 30% or 60,000 sq. ft.  
 Green Space Provided: 100,000 sq. ft. (17%)  
 Building Height: 21' 8"

**Parking Schedule**  
 Proposed Employees: 60 persons  
 Parking Required: 7 spaces / 10 employees (600 sq. ft. per 100 sq. ft. floor area)  
 Parking Provided: Standard Spaces (7) + Handicap Spaces (1) = 8 Total  
 Proposed Employees (Bldg A): 40 persons  
 Parking Required: 4 spaces  
 Proposed Employees (Bldg B): 20 persons  
 Parking Required: 2 spaces  
 Parking Provided: 4 spaces

PLAN  
Scale: 1" = 30'

**Plant Schedule**

Key	Qty.	Size	Botanical / Common Name	Misc.
1	4	8" 10 ht	Pyrus Calleryana "Bradford" / Bradford Pear	B+ B or Cont.
2	2	5' 6 ht	Amelanchier Canadensis / Shadblow	B+ B or Cont.
3	17	18" 24"	Euonymus Alatus / Winged Euonymus	B+ B or Cont. / 4' O.C.



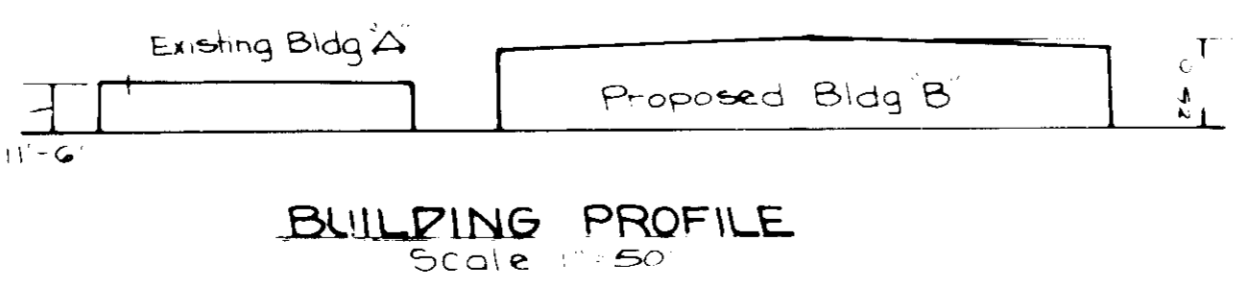
CALL "MISS UTILITY"  
TELEPHONE 1-800-257-7777  
FOR UTILITY LOCATIONS  
AT LEAST 48 HOURS BEFORE  
BEGINNING CONSTRUCTION

APPROVED For Public Water and Public Sewerage Systems Howard County Health Department  
*John Boyle* 5-21-87  
 County Health Officer Date

APPROVED Howard County Office of Planning and Zoning  
*William M. ...* 5-22-87  
 Planning Director Date  
 TETM & *Louis F. ...* 5-22-87  
 Chief, Division of Land Development and Zoning Administration Date

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY  
 DATE: 4-13-87  
*M. / 87*

APPROVED For Public Water and Public Sewerage Storm Drainage Systems and Public Roads Howard County Department of Public Works  
 Director Date  
*William B. ...* 5-19-87  
 Chief Bureau of Engineering Date



**Owner**  
 Howard County Maryland  
 County Commissioners of Howard County  
 George Howard Building  
 3480 Court House Drive  
 Ellicott City, Maryland 21043

**Developer**  
 Tegeris Laboratories  
 Dr. Andrew Tegeris  
 9705 N. Washington Blvd. (US Rte 1)  
 Laurel, Maryland 20707  
 (301) 776-6036

*James C. ...*

SDP 87-136

LANDSCAPE PLAN  
**TEGERIS LABORATORIES**  
 Tax Map 47 Parcel 542 Block 23  
 Liber 495 Folio 667  
 6th Election District  
 Howard County, Maryland

**Macris, Hendricks and Witmer P.A.**  
 Engineers • Planners • Surveyors  
 Suite 220  
 9220 Wightman Road  
 Gaithersburg, Maryland 20878  
 (301) 670-0840

Designed: J.C.B.  
 Date: Jan. 19, 1987  
 Job No. 70-144

SDP-87-136