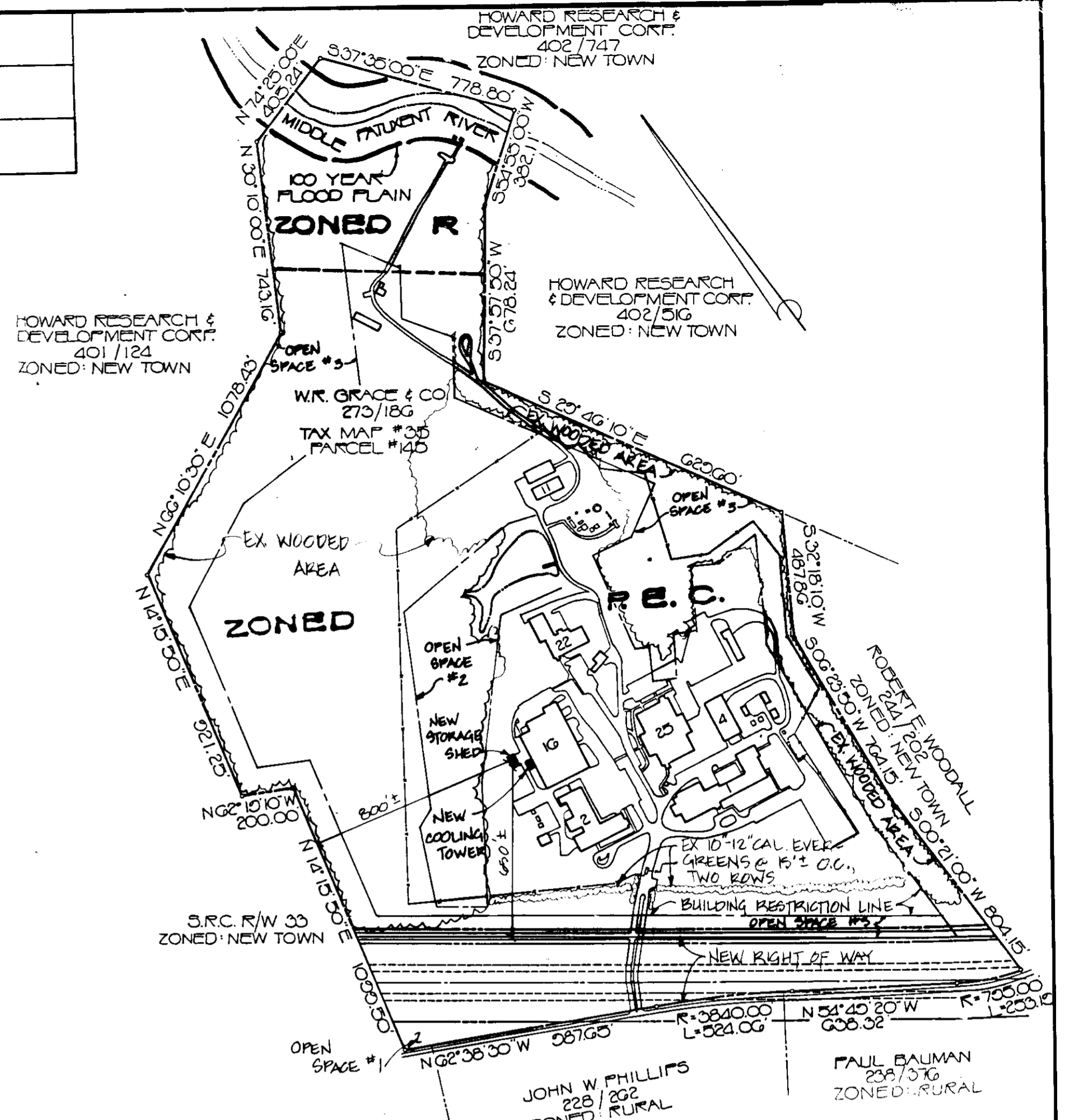
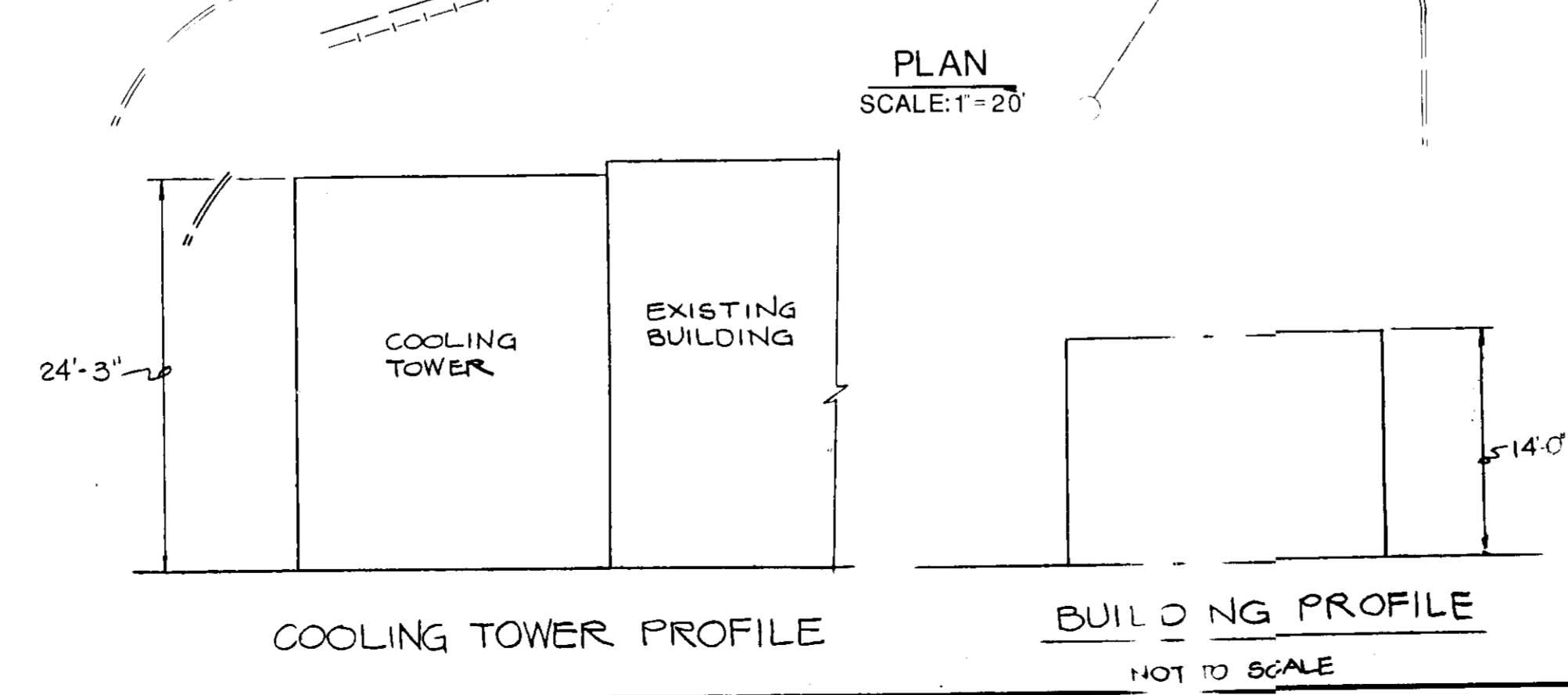
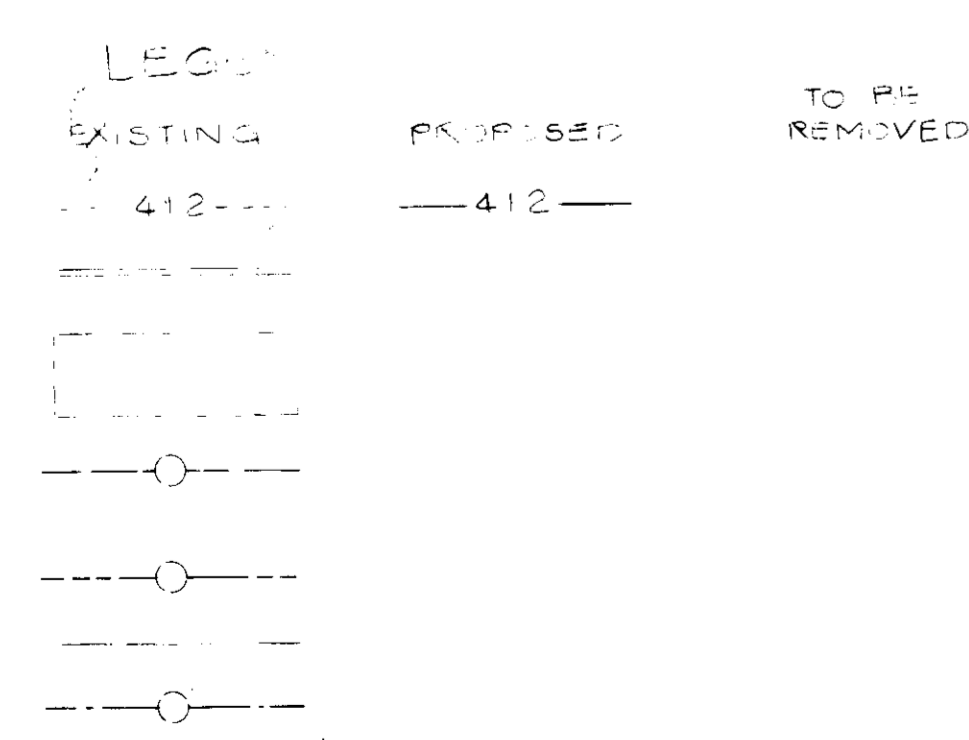
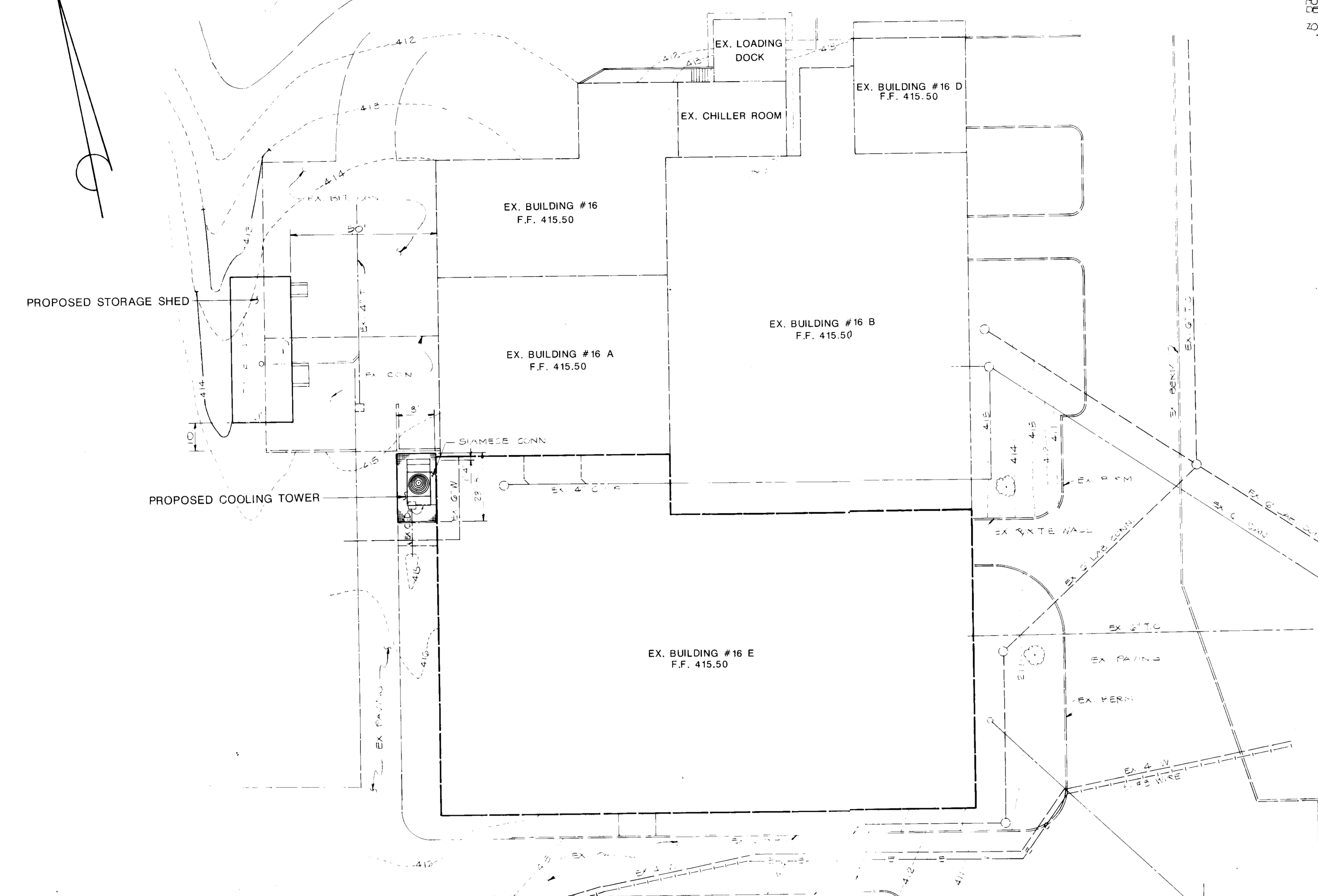


ADDRESS CHART	
PARCEL/LOT NUMBER	STREET ADDRESS
145	7379 GUILFORD ROAD



**LOCATION MAP**  
SCALE: 1"=400'

- SITE ANALYSIS**
- LOCATION: FIFTH ELECTION DISTRICT, HOWARD CO
  - TAX MAP 35 PARCEL 145
  - AREA OF PROPERTY = 147.41 AC.
  - LIMIT OF SUBMISSION AREA = 5600 SQ FT
  - PRESENT ZONING: R.E.C. (RURAL RESIDENTIAL COMMERCIAL)
  - EXISTING PARKING SPACES: 463 STD SPACES & 8 H.C. SPACES
  - PARKING SPACES PROPOSED: NONE (NO ADD EMPLOYEES)
  - AREA OF OPEN AREAS = 40 SQ AC & IS 30% OF TOTAL SITE
  - PROPOSED USE: STORAGE SHED
  - EXISTING BUILDING COVERAGE = 1,063,125 SQ FT (77% TOTAL AREA)
  - PROPOSED BUILDING COVERAGE = 1,063,125 SQ FT (77% TOTAL AREA)
- II. LANDSCAPING REQUIREMENTS: 1 TREE/40 LF OF ROAD FRONTAGE SCREEN ADJACENT PROPERTY PROVIDED: SEE LOCATION MAP ABOVE
- PLANNING AND ZONING CASES RELATED TO W.R. GRACE & CO. ARE: CASE NO. 108-C; CASE NO. VP-81-P; CASE NO. VP-82-P; CASE NO. 82-82; CASE NO. 83-51F; CASE NO. 83-54E



BUILDING ADDITION TO SDP-87-42					
SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #			
W.R. GRACE		P 145			
PLATS	BLOCK	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
278/196	42	REC	35	III	6050 01
WATER CODE		SEWER CODE			
N/A		N/A			
APPROVED: FOR STORM DRAINAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS					
DIRECTOR		DATE			
[Signature]		9/24/87			
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS					
COUNTY HEALTH OFFICER		DATE			
[Signature]		7-13-87			
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING					
PLANNING DIRECTOR		DATE			
[Signature]		10.1.87			
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION		DATE			
[Signature]		10-7-87			

**W.R. GRACE & CO.**  
WASHINGTON RESEARCH CTR.  
COLUMBIA, MARYLAND

**STORAGE SHED AND COOLING TOWER FOR BUILDING 16-E**

**TITLE: SITE PLAN**

**OWNER:** W.R. GRACE & CO.  
7379 GUILFORD ROAD  
COLUMBIA, MD. 21044

**ENGINEERS:**

**WHITNEY BAILEY, COX & MAGNANI**

**DESIGNED: JLB**

**DRAWN: JLB**

**CHECKED: P D**

**PROJECT NO.: 87071**

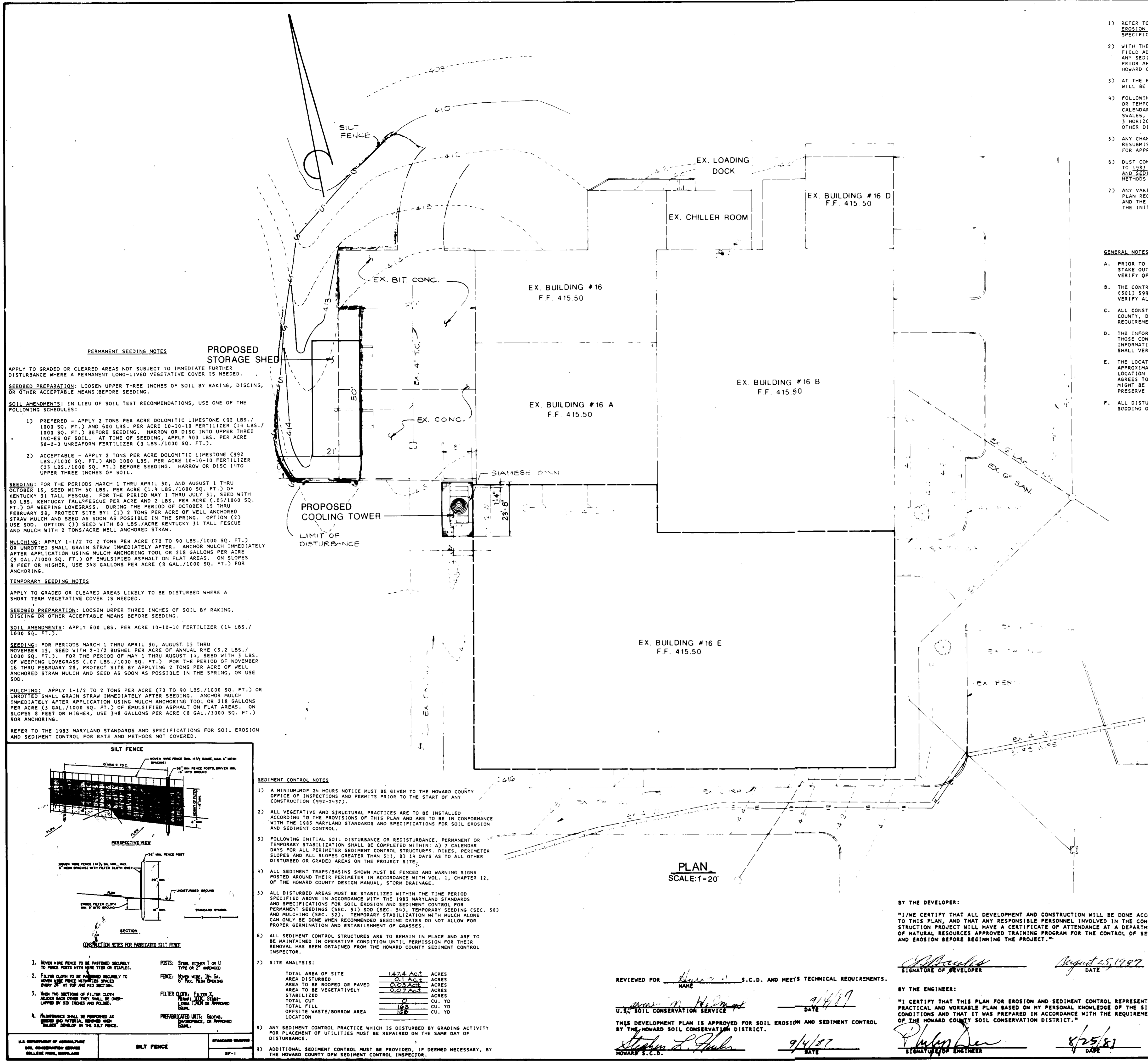
**DATE: 8/25/87**

**SCALE: AS SHOWN**

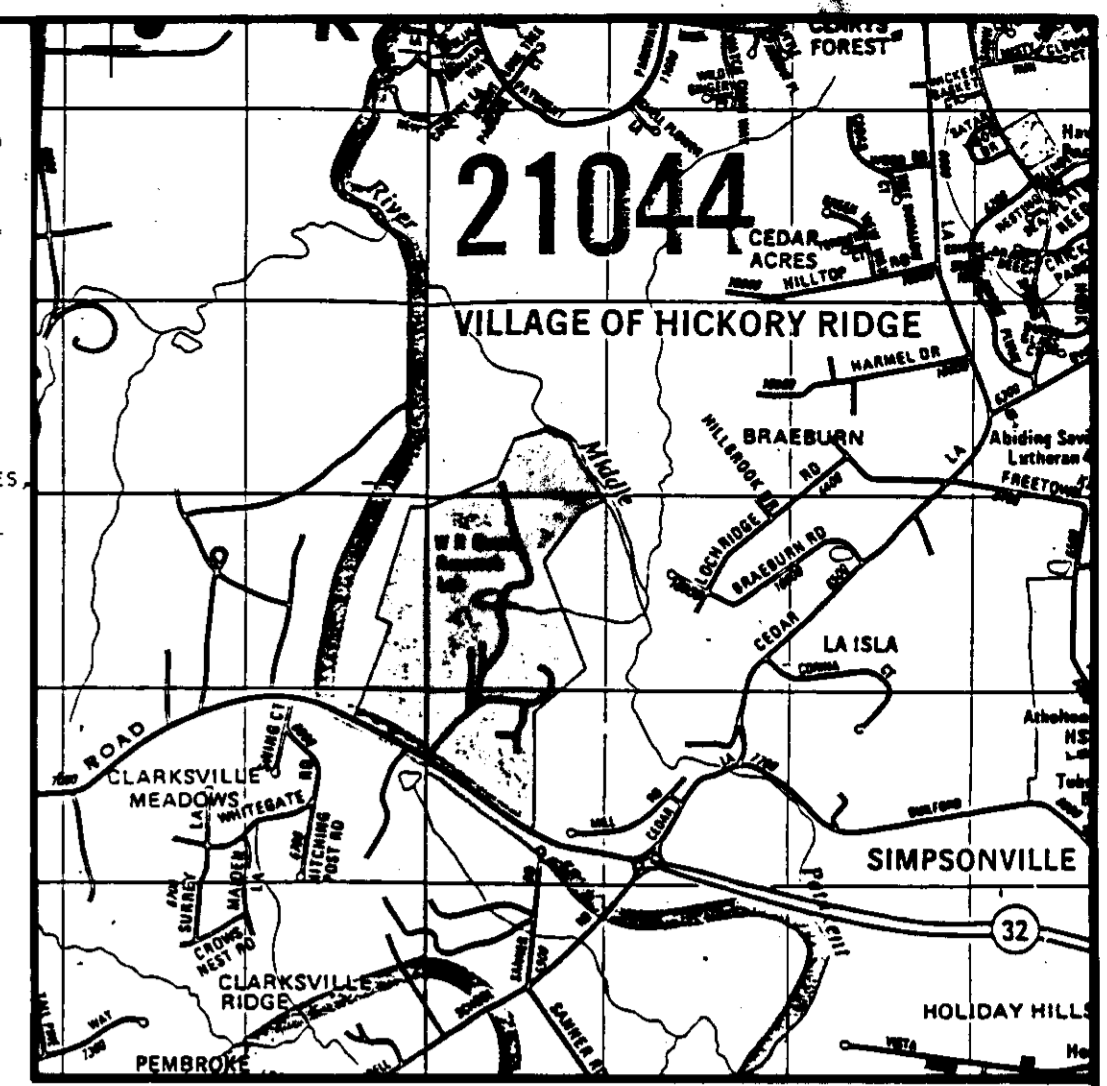
**DRAWING NO. 1 OF 2**

**SDP-87-237**

8-19-87  
[Signature]



- GENERAL NOTES**
- REFER TO "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
  - WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
  - AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
  - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND B) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RESUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
  - DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PAGE 62.01 AND 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
  - ANY VARIATION FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.



**PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

**SEEDING 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:

- 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 UNREAFORM FERTILIZER (9 LBS./1000 SQ. FT.).
- 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 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 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THRU FEBRUARY 28, PROTECT SITE BY: (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.) OR 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 3/8 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE DISTURBED WHERE A SHORT TERM VEGETATIVE COVER IS NEEDED.

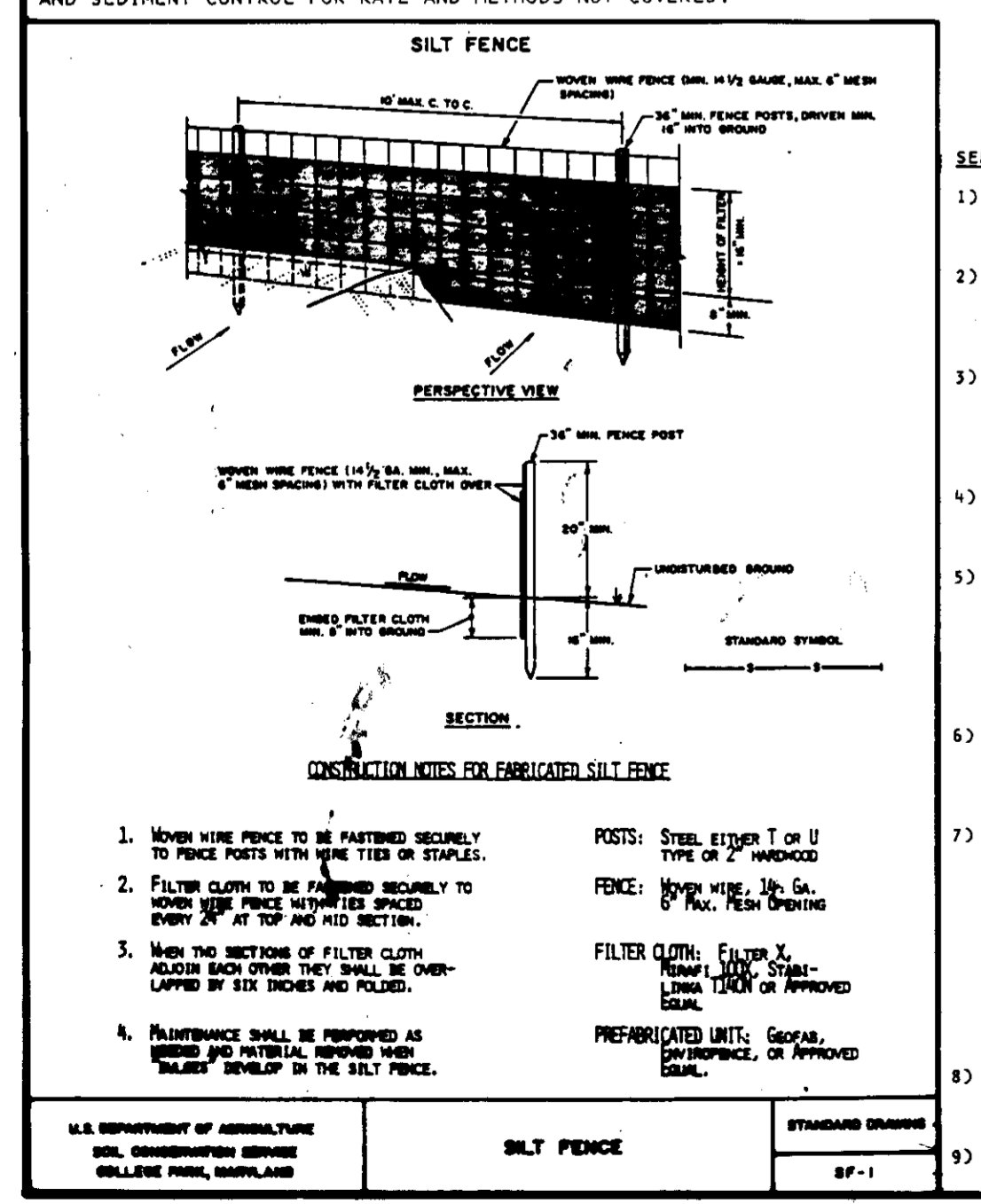
**SEEDING PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS:** APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.).

**SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30, AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ. FT.). FOR THE PERIOD OF MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. OF WEEPING LOVEGRASS (.07 LBS./1000 SQ. FT.). FOR THE PERIOD OF 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.) OR 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 3/8 GALLONS 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.



**SEDIMENT CONTROL NOTES**

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
- 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.
- 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.
- 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.
- 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, 500 (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.
- 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.
- SITE ANALYSIS:**

TOTAL AREA OF SITE	147.4 AC.	ACRES
AREA DISTURBED	0.1 AC.	ACRES
AREA TO BE ROOFED OR PAVED	0.02 AC.	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.02 AC.	ACRES
TOTAL CUT	0	CU. YD.
TOTAL FILL	128	CU. YD.
OFFSITE WASTE/BORROW AREA LOCATION	128	CU. YD.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY, BY THE HOWARD COUNTY DPM SEDIMENT CONTROL INSPECTOR.

**PLAN SCALE: 1"=20'**

REVIEWED FOR [Signature] S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE

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

[Signature] 9/4/87 DATE

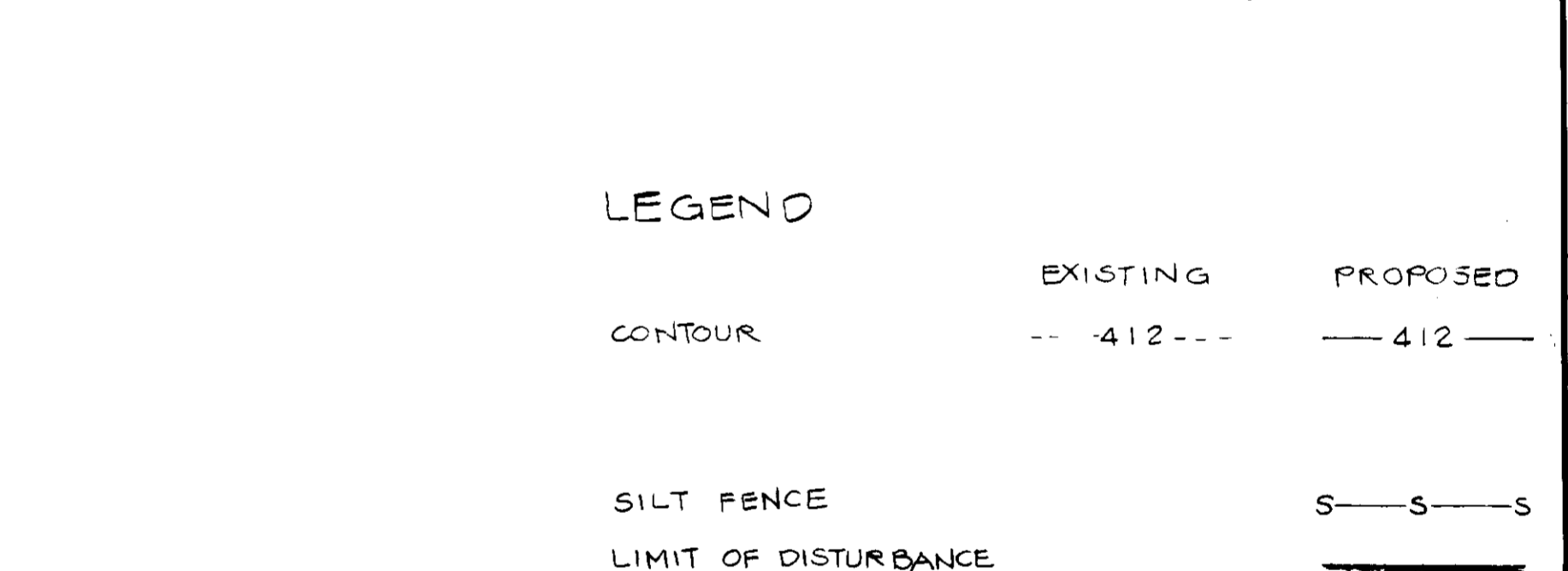
[Signature] 8/25/87 DATE

**GENERAL NOTES**

- PRIOR TO THE START OF ANY CONSTRUCTION THE CONTRACTOR SHALL STAKE OUT ALL BASELINES, BUILDING LOCATION, AND CURBS; AND VERIFY OFFSETS AND SETBACKS.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT TELEPHONE NO. (301) 999-0100 AT LEAST 72 HOURS PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITIES.
- ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
- THE INFORMATION SHOWN ON THESE PLANS IS FOR THE CONVENIENCE OF THOSE CONCERNED ONLY. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT WARRANTED OR GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS OWN SATISFACTION.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- ALL DISTURBED AREAS NOT STABILIZED WITH PAVING, BUILDING, SODDING OF MULCH IN PLANTING AREAS SHALL BE SEEDED AND MULCHED.

**SEQUENCE OF OPERATIONS**

	TIME OF COMPLETION
1. NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS (992-2437) A MINIMUM OF 48 HOURS PRIOR TO ANY WORK.	2 DAYS
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.	1 DAY
3. MINOR CLEARING AND GRADING FOR CONSTRUCTION OF SEDIMENT CONTROL MEASURES.	3 DAYS
4. INSTALL SILT FENCES (AFTER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND STABILIZED) THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL MEASURES ON A DAILY BASIS.	4 DAYS
5. CLEAR AND ROUGH GRADE REMAINDER OF SITE	1 WEEK
6. ERECT STORAGE BUILDING STRUCTURE AND COOLING TOWER.	2 MONTHS
7. SEED AND MULCH ALL DISTURBED AREAS OUTSIDE OF THE BUILDING AND PAVED AREAS, UNLESS DIRECTED OTHERWISE ON THE PLANS.	1 WEEK
8. WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE REMAINING AREAS.	



**APPROVED**  
PLANNING BOARD OF HOWARD COUNTY  
DATE: 8-19-87  
[Signature]

**BUILDING ADDITION TO SDP-87-42**

SUBDIVISION NAME	W.R. GRACE	SEC./AREA	22	LOT/PARCEL #	P195
PLAT #	278/186	ZONE	PEC	TAX/ZONE MAP	35
ELEC. DIST.	5W	CENSUS TR.	6099.01		

WATER CODE: N/A SEWER CODE: N/A

APPROVED FOR STORM DRAINAGE SYSTEMS AND ROADS.  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature] DATE: 9/24/87

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
COUNTY HEALTH OFFICER: [Signature] DATE: 9-23-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR: [Signature] DATE: 9-16-87

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
[Signature] DATE: 10-1-87

[Signature] DATE: August 25, 1987

[Signature] DATE: 9/4/87

[Signature] DATE: 8/25/87

DATE	NO.	REVISION

**W.R. GRACE & CO.**  
WASHINGTON RESEARCH CTR.  
COLUMBIA, MARYLAND  
STORAGE SHED AND COOLING TOWER FOR BUILDING 16-E

**TITLE: SEDIMENT & EROSION CONTROL PLAN**

OWNER: W.R. GRACE & CO.  
7379 GULFROAD ROAD  
COLUMBIA, MD. 21044

ENGINEERS:  
[Logo] WHITNEY, BAILEY, COX & MANNAN  
1850 York Road  
Timonium, Maryland 21093  
201-252-6060

DATE: 8/25/87

DESIGNED: JLB  
DRAWN: JLB  
CHECKED: P D  
PROJECT NO.: 87071  
DATE: 5/26/87  
SCALE: AS SHOWN  
DRAWING NO.: 2 OF 2

PROFESSIONAL ENGR. NO. 9972  
SDP-87-237