

GENERAL NOTES

1. PRIOR TO THE START OF ANY OPERATIONS, THE CONTRACTOR SHALL STAKE OUT THE BASELINES OF CONSTRUCTION, PROPOSED BUILDING AND VERIFY SETBACKS AND OFFSET DIMENSIONS.
2. THE CONTRACTOR SHALL NOTIFY THE OWNER AT (301)-531-4240 AT LEAST 72 HRS. PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITIES.
3. ADJUTING PROPERTIES TO BE PROTECTED FROM DAMAGE. REPAIRS ARE AN OBLIGATION OF THE CONTRACTORS. ACCESS TO AREAS OUTSIDE THE LIMIT OF CONTRACT WITHIN THE PROPERTY LINE IS PROHIBITED. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO EXISTING VEGETATION AND ANY VIOLATIONS OF THE PROTECTED AREAS.
4. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST HOWARD COUNTY VOLUME IV - STANDARD SPECIFICATION AND DETAILS.
5. 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.
6. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY 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 OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
7. ALL DISTURBED AREAS NOT STABILIZED WITH PAVING, SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT CONTROL PLAN, PRIOR TO CONTRACT COMPLETION.
8. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
9. TOPOGRAPHIC SURVEY PURDUM & JESCHKE DATED JULY 26, 1989.
10. ALL PIPE ELEVATION SHOWN ARE INVERT ELEVATIONS.
11. ALL WATER MAINS SHALL BE DUCTILE IRON CLASS 52.
12. ALL SANITARY SEWER MAINS SHALL BE HOWARD COUNTY SCHEDULE 35 PVC UNLESS OTHERWISE NOTED.
13. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 792-727.
14. TOP OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3 1/2 FT. OF COVER UNLESS OTHERWISE NOTED.
15. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWING.
16. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES 2'-0" MINIMUM OR TUNNEL AS REQUIRED.
17. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEMS.
18. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
19. THE BUILDING PROPOSED IS FOR PROCESS DEVELOPMENT LABORATORY.
20. THERE ARE NO WETLANDS WITHIN THE LIMIT OF DISTURBANCE SHOWN. THEREFORE SECTION 404 AND SECTION 401 DO NOT APPLY AND PERMITS ARE NOT REQUIRED.
21. ALL ON-SITE WATER AND SEWER SYSTEMS ARE PRIVATE.
22. DEPARTMENT OF PLANNING AND ZONING FILES: CASE No. 168, VP 82-92, BA CASE No. 85-30 E, BA CASE No. 83-54 E, PB CASE No. 212, VP 84-32, VP 84-70, S-87-36, PB-267, FDP-PEC-A, S 90-37, SDP-90-116 & SDP-88-193
23. ANY TREE TO BE REMOVED AND ANY LANDSCAPING WILL BE DONE BY WRGRACE AFTER BUILDING IS COMPLETED.

HOWARD RESEARCH AND DEVELOPMENT CORP.
401/124
ZONED NEW TOWN

W R GRACE AND CO.
273/186

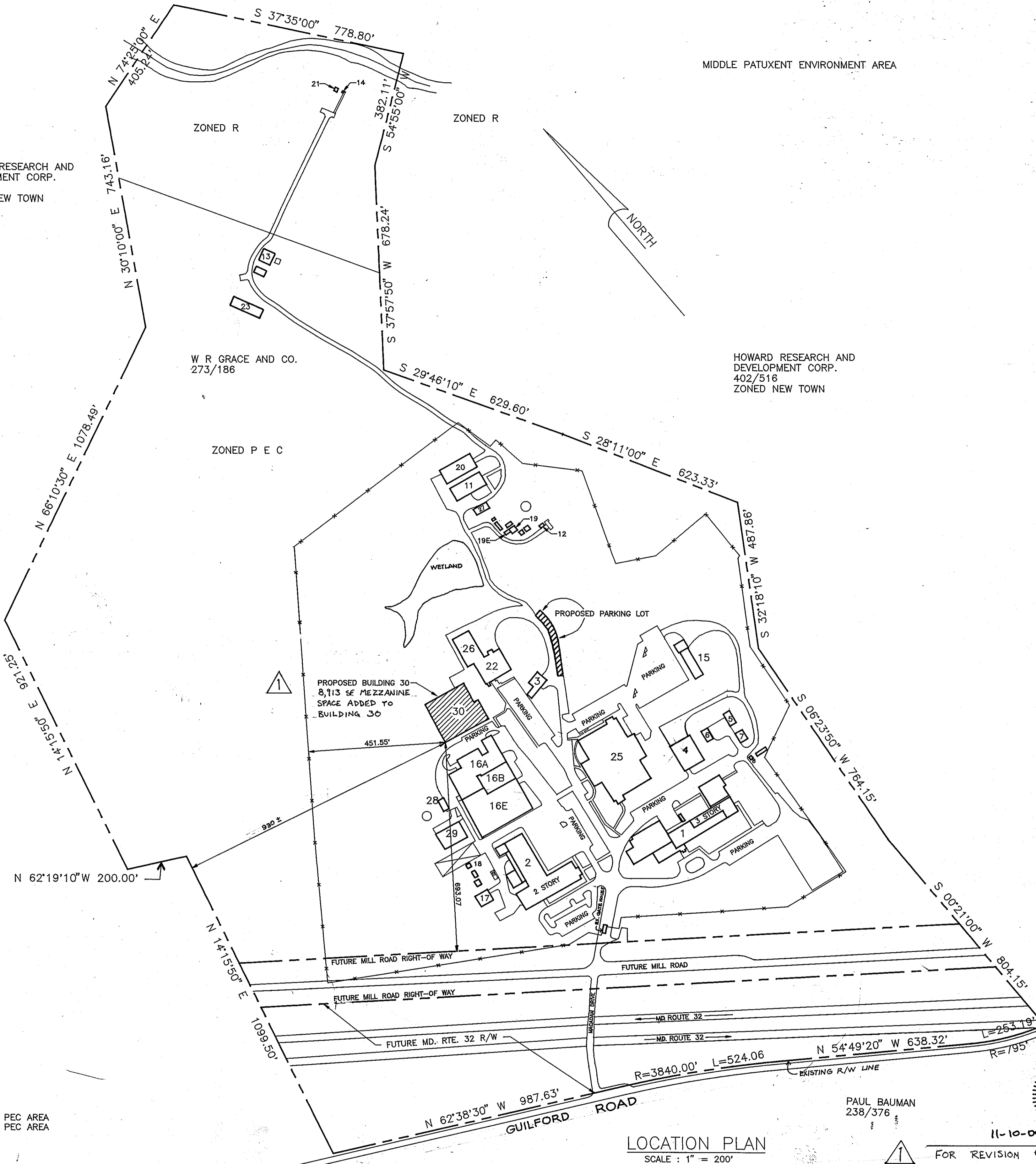
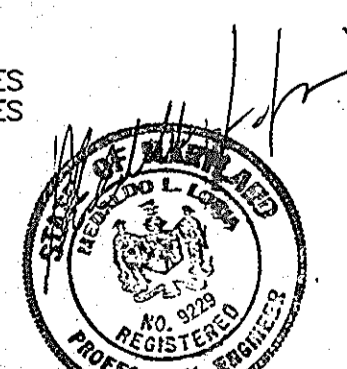
HOWARD RESEARCH AND DEVELOPMENT CORP.
402/516
ZONED NEW TOWN

S R C R/W 33
ZONED R

SITE ANALYSIS

PERCENT COVERAGE

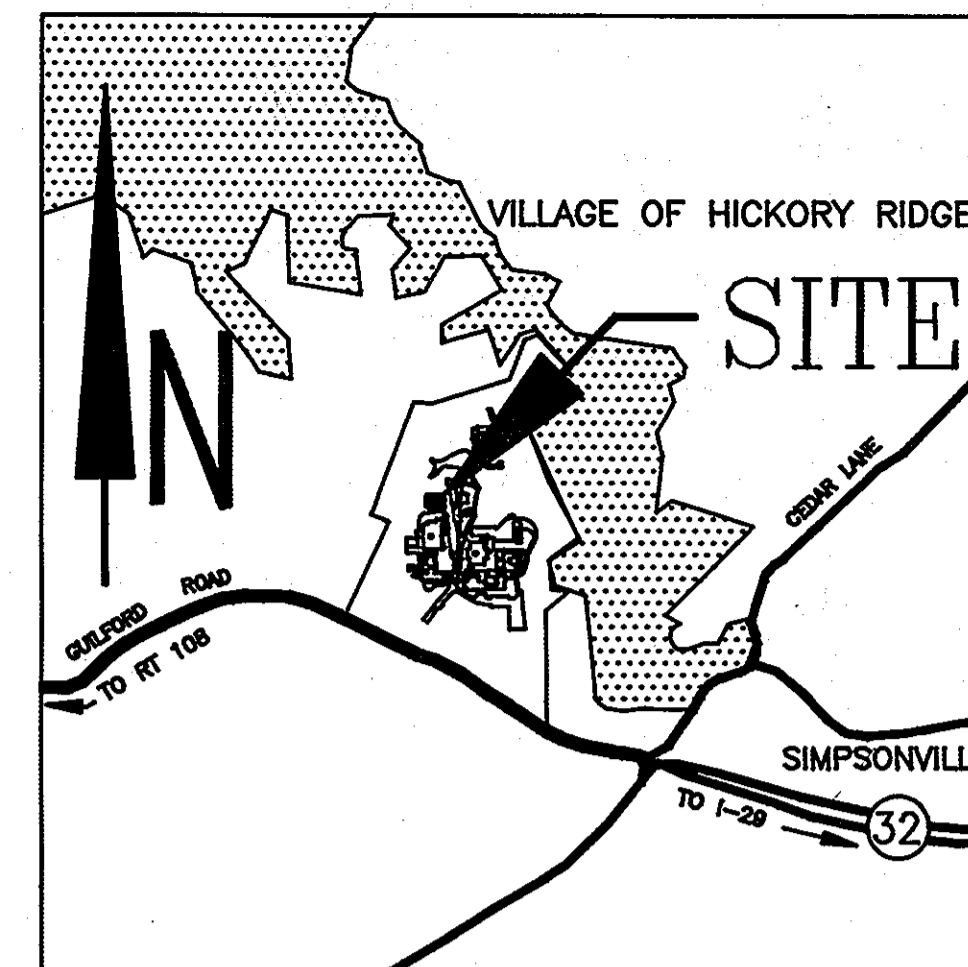
PRESENT ZONING	PEC 134.22 ACRES, R=13.18 ACRES	
AREA OF PROPERTY	147.40 ACRES	
AREA OF SUBMISSION	0.95 ACRES	
BUILDING COVERAGE		
EXISTING	203,425 S.F. = 4.67 ACRES	3.48%
PROPOSED	22,467 S.F. = .52 ACRES PROCESS DEV. LAB.	.38%
TOTAL FLOOR SPACE	30,467 S.F. + 8,113 SF. = 39,380 SF.	
TOTAL	225,892 S.F. = 5.19 ACRES	3.85%
NUMBER OF EMPLOYEES		
EXISTING	551	
PROPOSED	40	
TOTAL	591	
NUMBER OF PARKING SPACES		
EXISTING	516 includes 3 handicapped parking spaces	
PROPOSED	25 includes 2 handicapped parking spaces	
REQUIRED FOR THE SUBMISSION	28 (28 x 40)	
TOTAL PARKING SPACES	541	
TOTAL REQUIRED	414	
OPEN SPACE		
EXISTING	40.41 ACRES	30.1% OF PEC AREA
PROPOSED	40.41 ACRES	30.1% OF PEC AREA



LOCATION PLAN
SCALE: 1" = 200'

PAUL BAUMAN
238/376

FOR REVISION #1 ONLY
THOMAS C. NEUGEBAUER, PE.
MD LIC. # 21203



VICINITY MAP
SCALE: 1" = 2000'

INDEX

SHEET	DESCRIPTION
1	COVER
2	SITE DEVELOPMENT PLAN
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5	PROFILES
6	SEDIMENT CONTROL PLAN
7	SEDIMENT CONTROL PLAN
8	SEDIMENT CONTROL NOTES

APPROVED
PLANNING BOARD
of HOWARD COUNTY

DATE 4-16-91

eks

ADDRESS CHART			
PARCEL NUMBER	STREET ADDRESS		
P 145	7379 GUILFORD ROAD		
SUBDIVISION	NAME	SECTION/AREA	LOT PARCEL
W.R. GRACE & CO.			P 145
PLAT NUMBER	BOOK NUMBER	ZONING	TAX/ZONE MAP
273/186	22	P E C	35
			ELECTION DISTRICT
			5th
			GENSIS TRAC
			6053.01
WATER CODE	SEWER CODE		
N / A	6440000		
APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.			
Joseph M. Bauman, PE. COUNTY HEALTH OFFICER		8-5-91 DATE	
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING			
Thomas C. Neugebauer, PE. PLANNING DIRECTOR		8/14/91 DATE	
Thomas C. Neugebauer, PE. CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT		8/12/91 DATE	
APPROVED: FOR PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.			
Paul Bauman DIRECTOR		7/25/91 DATE	
Thomas C. Neugebauer, PE. CHIEF, BUREAU OF ENGINEERING		7-25-91 DATE	

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TEL. (301) 465-0400

GRACE

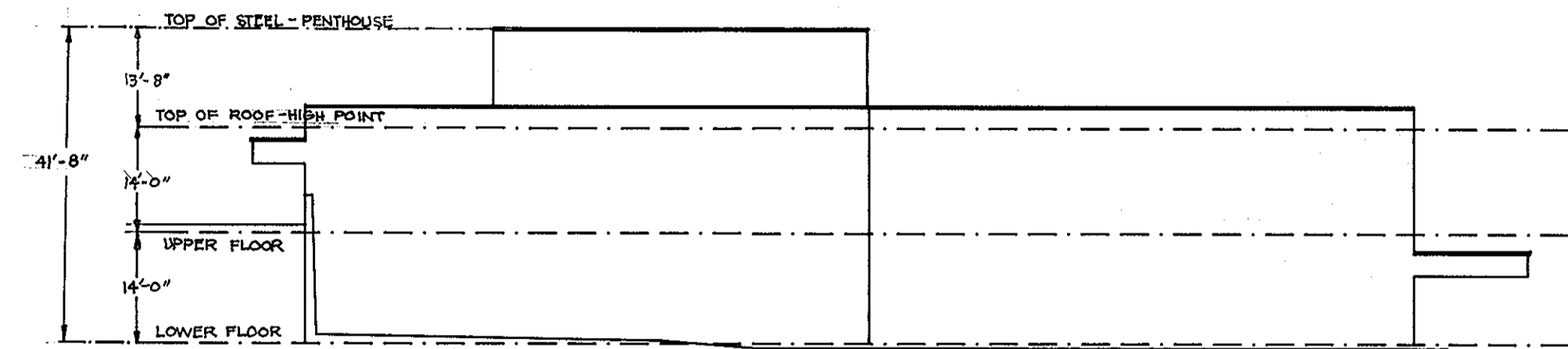
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COLUMBIA, MARYLAND 21044

COVER SHEET

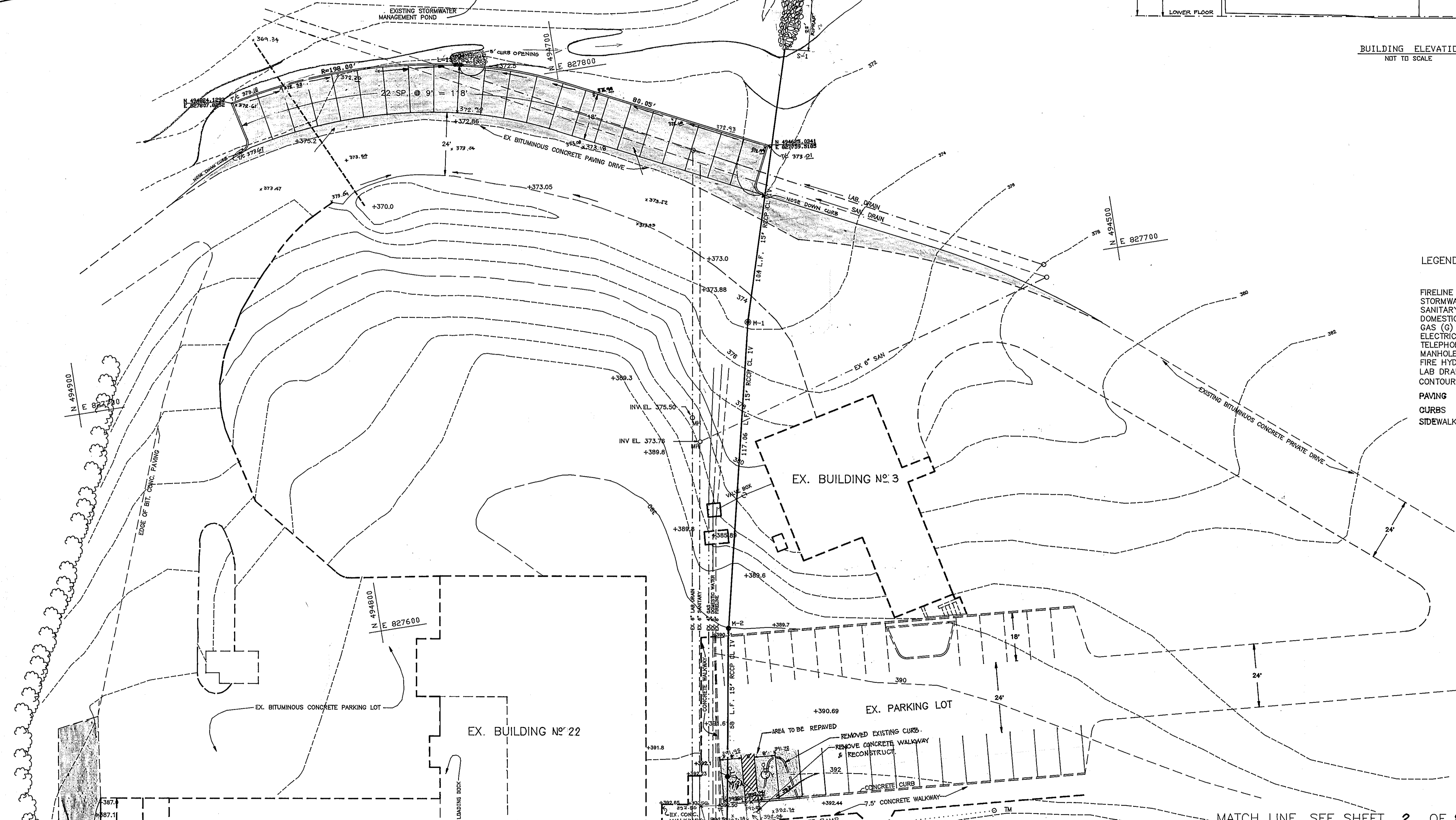
PROCESS DEVELOPMENT BUILDING #30

REVISIONS		
DATE	BY	DESCRIPTIONS
11/2008	MRA	RED-LINE REVISION TO ADD 8,113 SF OF MEZZANINE SPACE

SCALE: AS SHOWN	SHEET NUMBER
DATE: 2-6-91	1 of 8



BUILDING ELEVATION
NOT TO SCALE



LEGEND:

	PROPOSED	EXISTING
FIRELINE (F)	---	---
STORMWATER (SW)	---	---
SANITARY (SAN)	---	---
DOMESTIC WATER (CW)	---	---
GAS (G)	---	---
ELECTRIC (E)	---	---
TELEPHONE (T)	---	---
MANHOLE (MH)	●	○
FIRE HYDRANT (FH)	+	+
LAB DRAIN (LD)	---	---
CONTOUR	---	---
PAVING	---	---
CURBS	---	---
SIDEWALK	---	---

APPROVED
PLANNING BOARD
of HOWARD COUNTY

DATE: 4-16-91
SLS

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
P 145	7379 GUILFORD ROAD
SUBDIVISION NAME	SECTION/AREA
W.R. GRACE & CO.	P 145
PLAT NUMBER	BLOCK NUMBER
273/186	22
ZONE	TAX/ZONE MAP
P E C	35
ELECTION DISTRICT	CENSUS TRAC
5th	6053.01
WATER CODE	SEWER CODE
N / A	6440000

APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.	
<i>[Signature]</i> COUNTY HEALTH OFFICER	8-5-91 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	
<i>[Signature]</i> PLANNING DIRECTOR	8/11/91 DATE
<i>[Signature]</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	4/14/91 DATE
APPROVED: FOR PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.	
<i>[Signature]</i> DIRECTOR	7/25/91 DATE
<i>[Signature]</i> CHIEF, BUREAU OF ENGINEERING	7-28-91 DATE

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GRACE

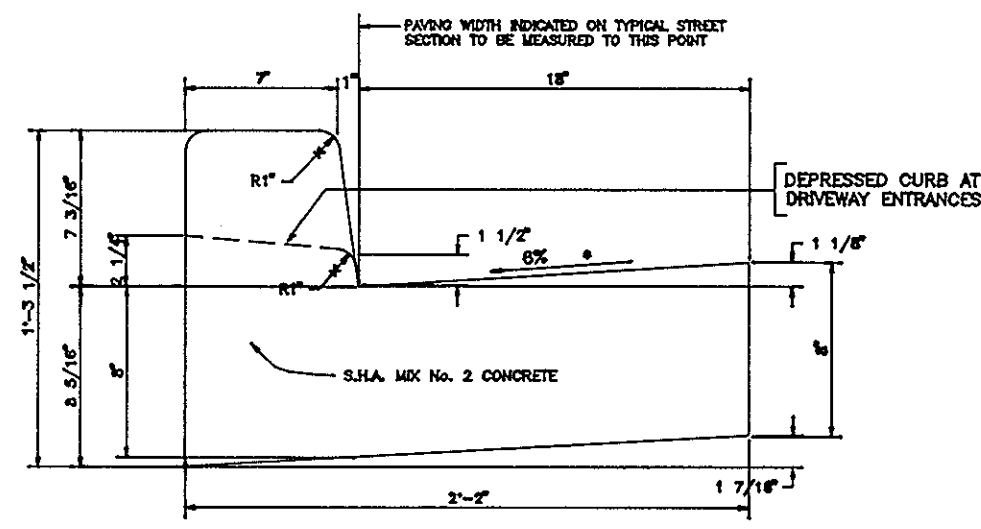
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COLUMBIA, MARYLAND 21044

SITE DEVELOPMENT PLAN

PROCESS DEVELOPMENT BUILDING #30

REVISIONS		
DATE	BY	DESCRIPTIONS
11/30/92	gus	DRAINAGE SYSTEM

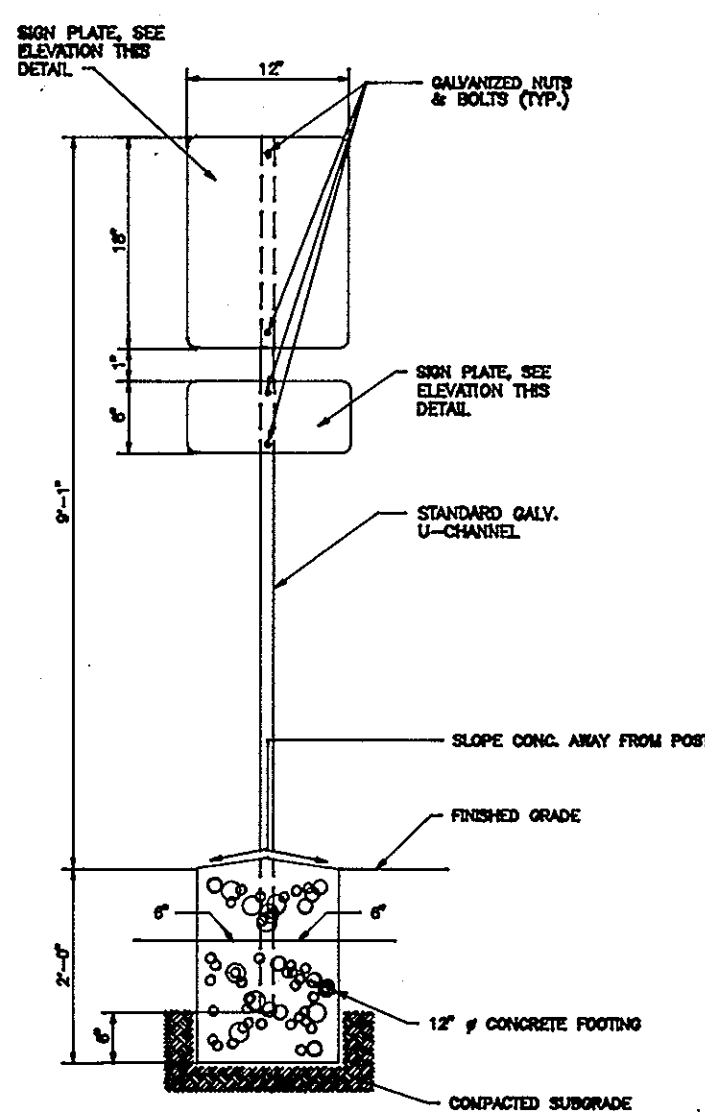
SCALE: 1" = 20'	SHEET NUMBER
DATE: 2-6-91	3 of 8



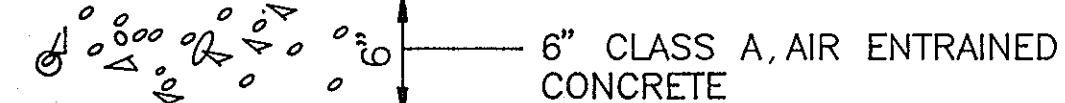
STANDARD 7" COMBINATION CURB AND GUTTER
NOT TO SCALE

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	GRANULAR BASE ALTERNATES
P-1	PARKING BASE HANDICAPPED AND COMMERCIAL- TRAFFIC ZONES WITH NO HEAVY TRUCKS FOR APARTMENTS AND COMMERCIAL TRAFFIC ZONES WITH NO HEAVY TRUCKS	1" BIT. CONC. SURFACE 2" BIT. CONC. BASE 4" BIT. CONC. BASE	1" BIT. CONC. SURFACE 2" BIT. CONC. BASE PRIME 3" CRUSHER RUN BASE COURSE OR 4" DENSE GRADED STABILIZED AGGREGATED BASE COURSE

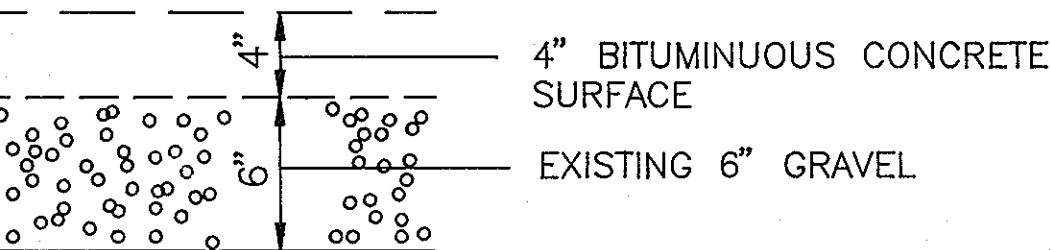
PAVING SECTION
PARKING AREA



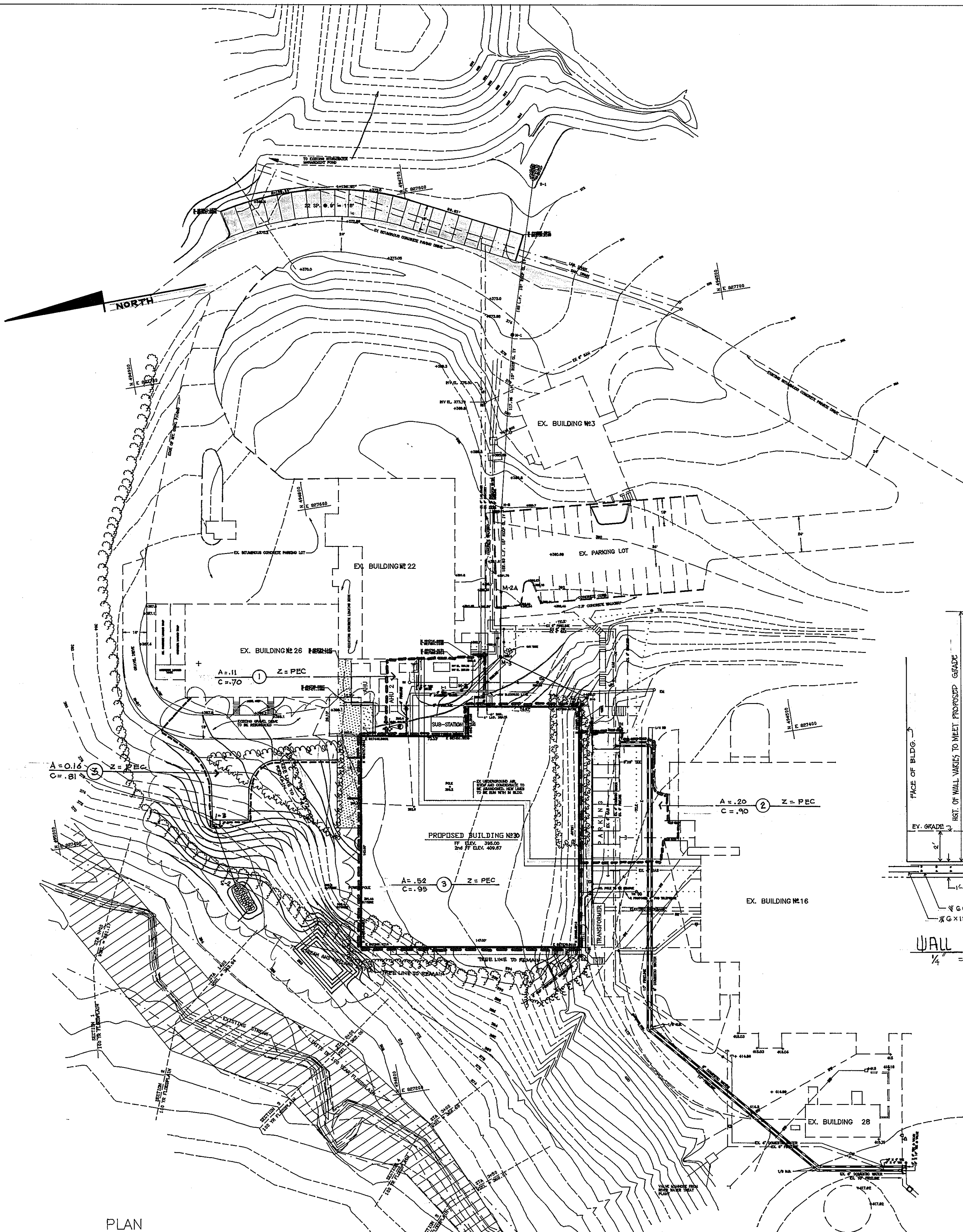
HANDICAPPED SIGN AND POST
NOT TO SCALE



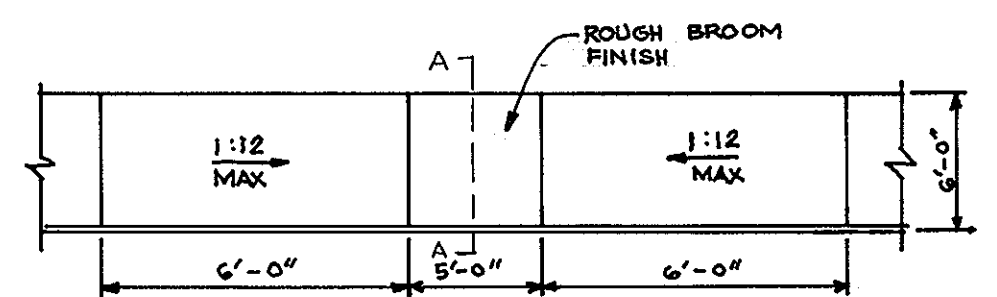
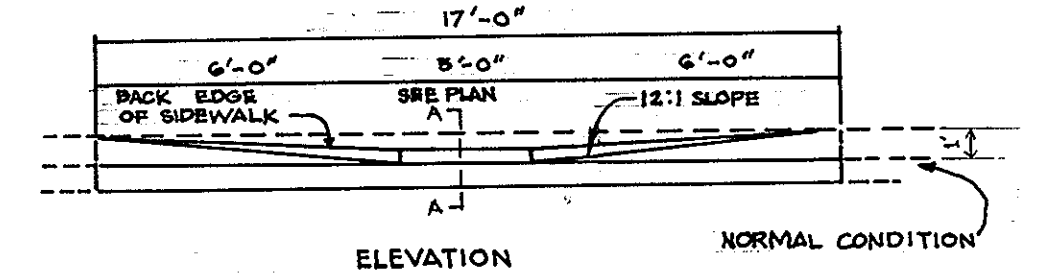
CONCRETE SLAB DETAIL
NOT TO SCALE



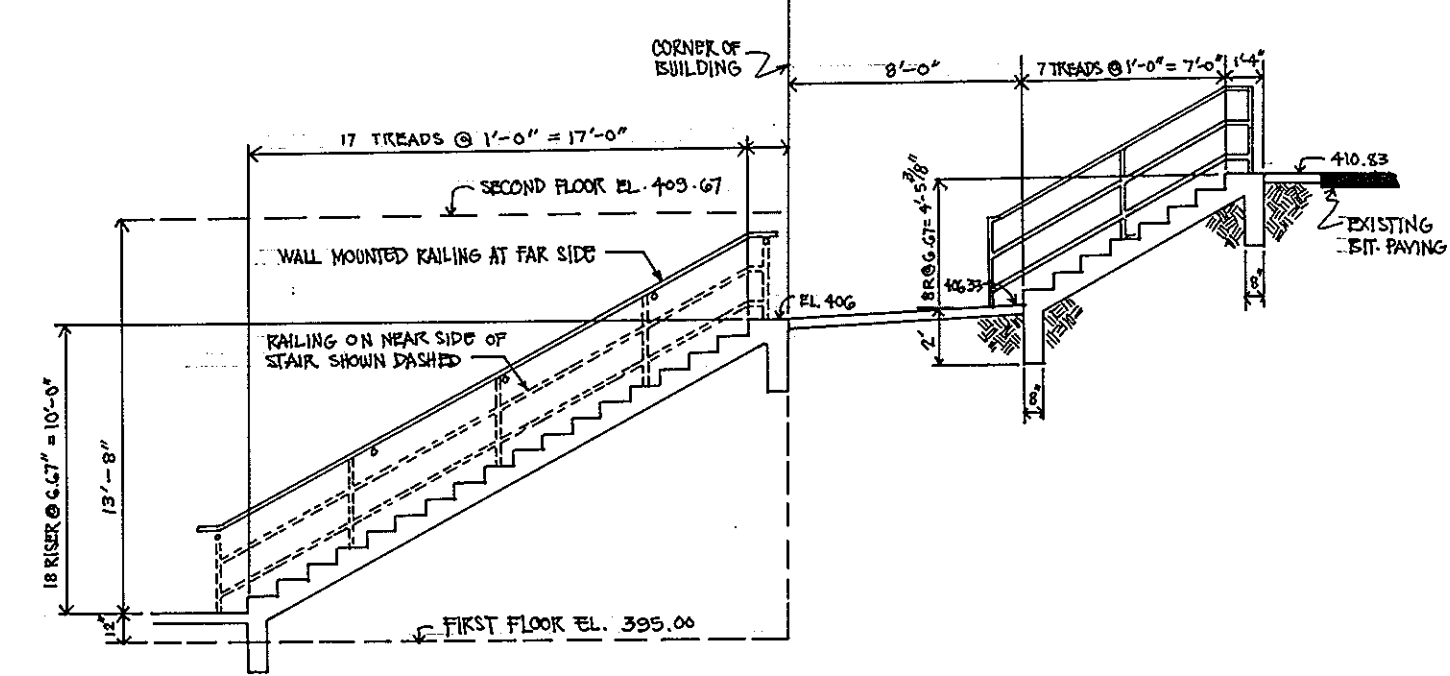
DRIVEWAY RESURFACING DETAIL
NOT TO SCALE



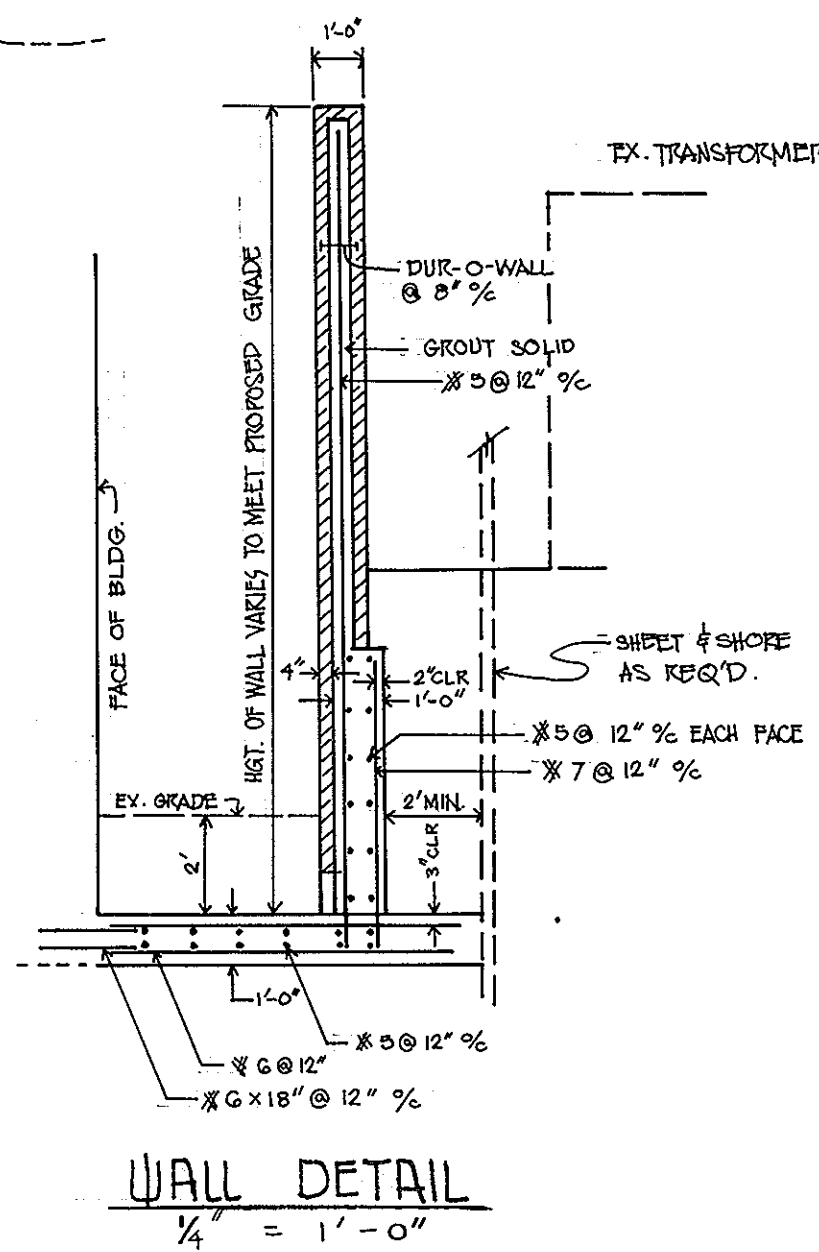
PLAN
SCALE: 1" = 40'



HANDICAPPED RAMP DETAIL
NOT TO SCALE



RAILINGS DETAIL
NOT TO SCALE



WALL DETAIL
1/4" = 1'-0"

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 4-16-91
JCS

ADDRESS CHART			
PARCEL NUMBER	STREET ADDRESS		
P 145	7379 GUILFORD ROAD		
SUBDIVISION NAME	SECTION/AREA	LOT PARCEL	
W.R. GRACE & CO.		P 145	
PLAT NUMBER	BLOCK NUMBER	ZONE	TAX/ZONE MAP
273/186	22	P E C	35
WATER CODE	N / A	ELECTION DISTRICT	SEWER CODE
		5th	6053.01
APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.			
Jorge M. ... COUNTY HEALTH OFFICER		8-5-91	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING			
... PLANNING DIRECTOR		8/14/91	DATE
APPROVED: FOR PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.			
... DIRECTOR		7/25/91	DATE
... CHIEF, BUREAU OF ENGINEERING		7-28-91	DATE

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COLUMBIA, MARYLAND 21044

PROCESS DEVELOPMENT BUILDING #30

-DRAINAGE AREA MAP-
-DETAILS-

REVISIONS		
DATE	BY	DESCRIPTIONS
11/07/91	GUS	WALL DETAIL - RAILING DETAIL
11/30/91	GUS	DRAINAGE AREA

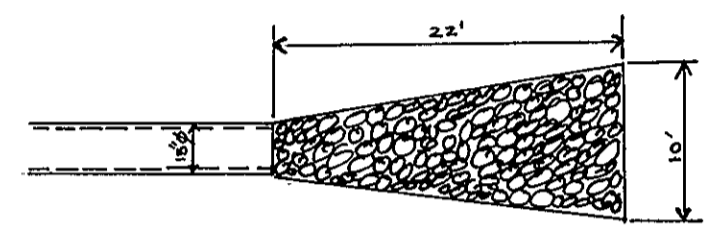
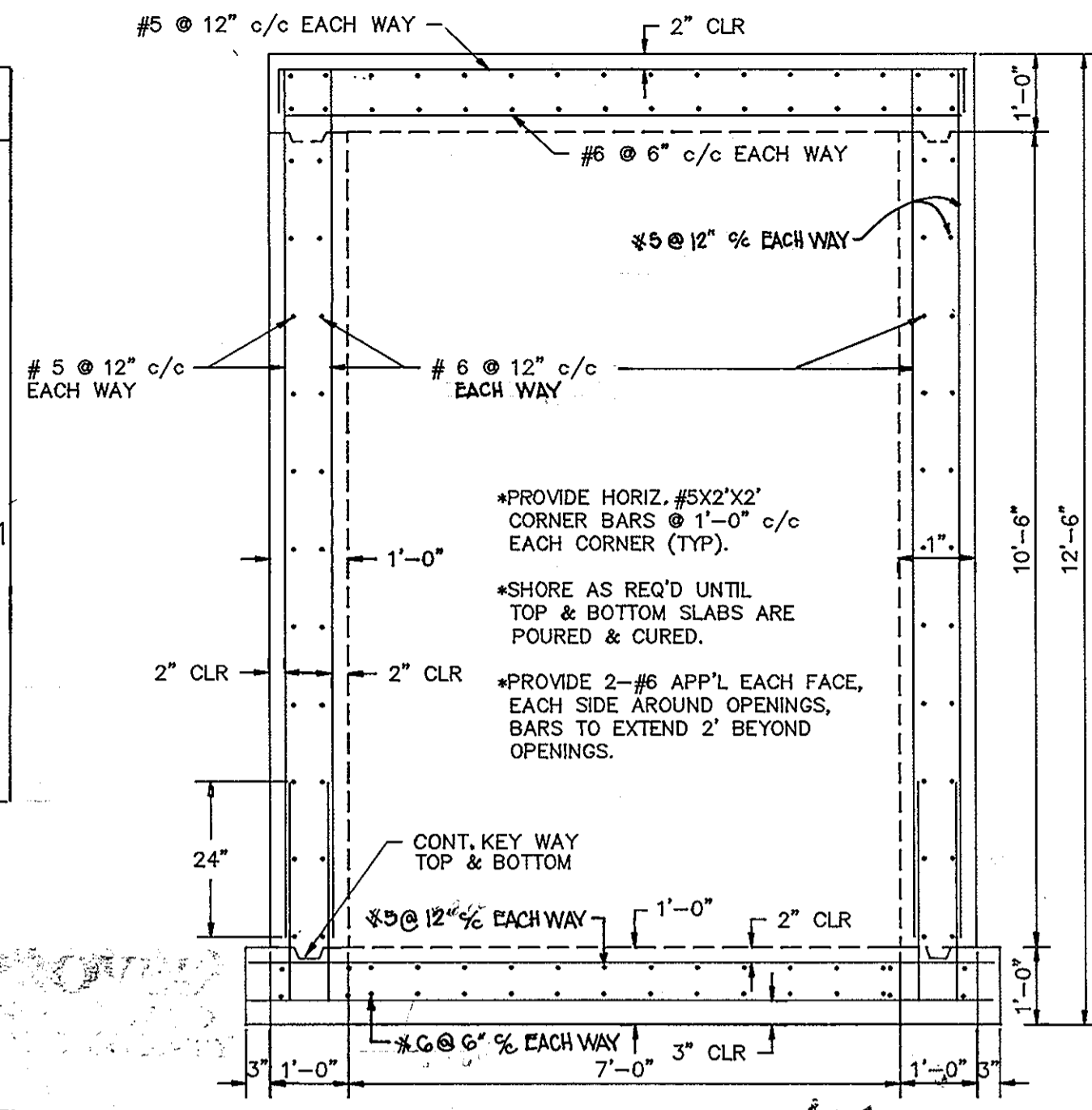
SCALE: AS SHOWN
DATE: 2-6-91

SHEET NUMBER

4 of 8

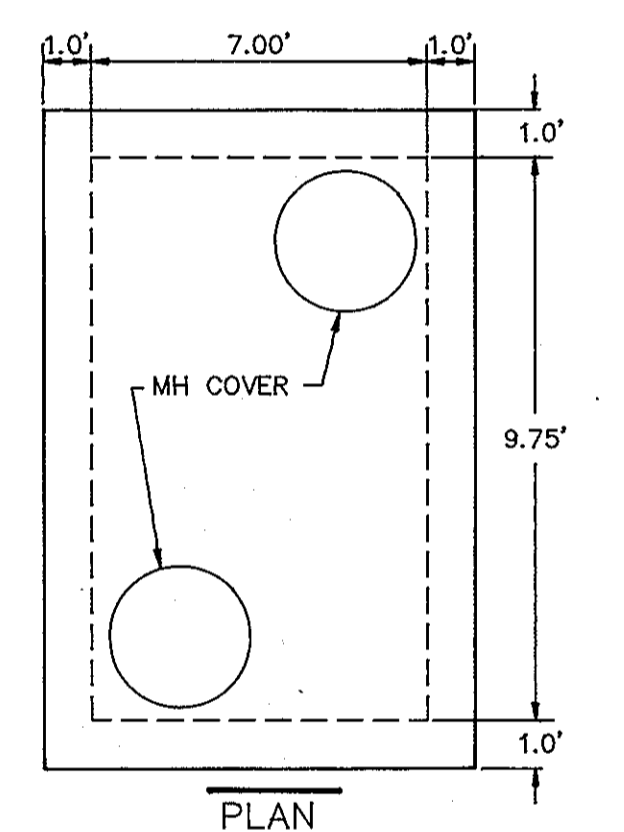
STRUCTURE SCHEDULE

NO.	TYPE	INV IN	INV OUT	TOP ELEV.	REMARKS
I-1	YARD INLET			390.00	HOWARD CO. STD SD 4.14
I-2	A-5	403.00	409.58	393.00	HOWARD CO. STD SD 4.01
M-1	STD PRECAST MANHOLE	370.70	370.50	374.60	HOWARD CO. STD G.5.12
M-2	STD PRECAST MANHOLE	386.50		390.02	HOWARD CO. STD G.5.12
M-3	STD PRECAST MANHOLE	389.10	390.30	393.26	HOWARD CO. STD G.5.12
M-4	STD PRECAST MANHOLE	400.00	394.10	406.00	HOWARD CO. STD G.5.12
S-1	CONCRETE END SECTION			369.25	HOWARD CO. STD SD. 5.51
M2-A	STD PRECAST MH	389.10	388.60	392.00	HOWARD CO. STD G.5.12
M-5	STD PRECAST MH	390.80	390.70	394.00	HOWARD CO. STD G.5.12
I-3	A-5			374.00	HOWARD CO. STD SD 4.01
S-2	CONC. END SECTION			366.00	HOWARD CO. STD SD 5.51



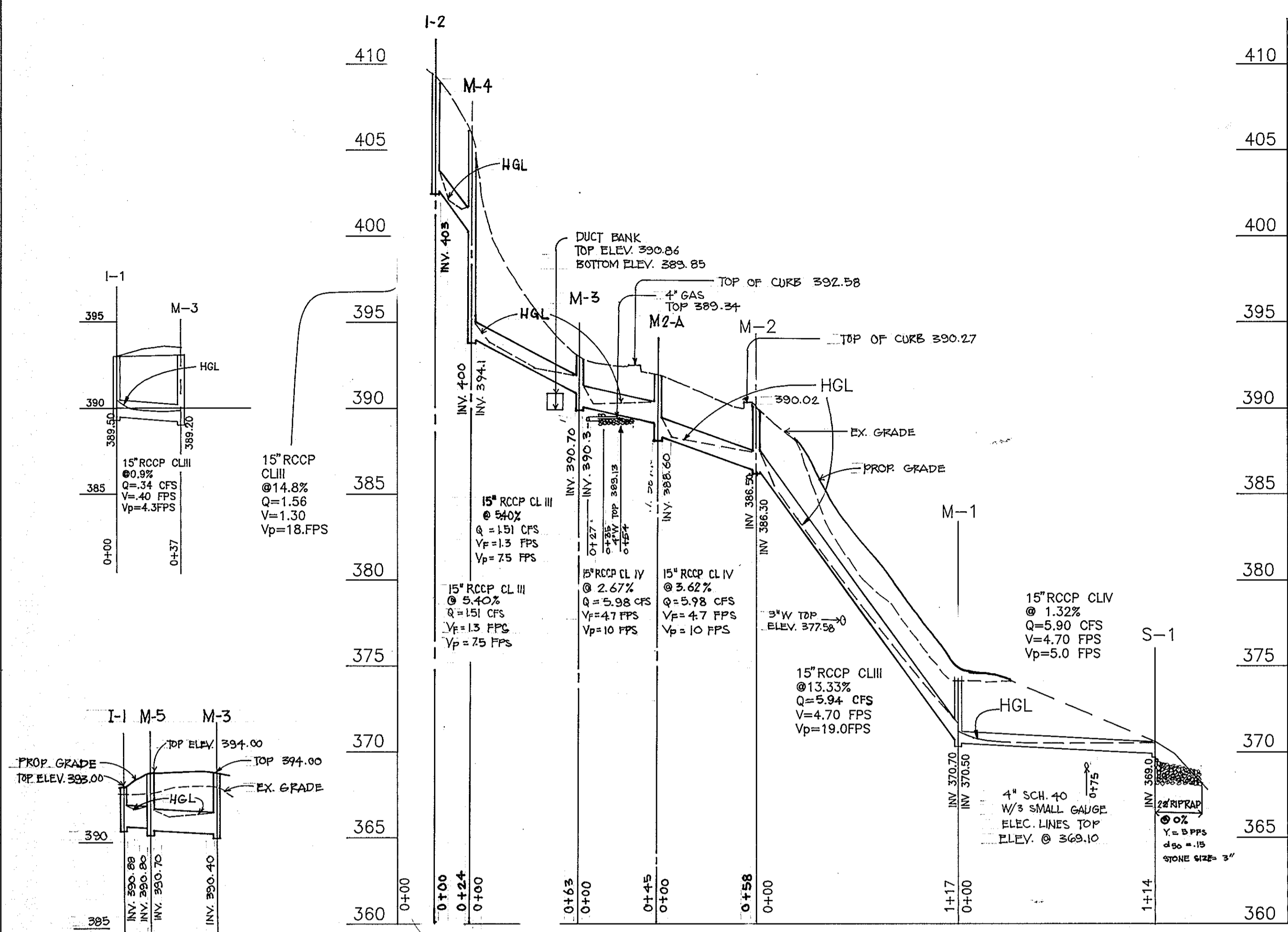
NOTE: ALL BEDDINGS FOR STORMDRAINAGE AND WATER LINE SHALL BE TRENCH ON EARTH IN ACCORDANCE WITH DWG. 62.02 OF THE DESIGN MANUAL, VOL. IV

DETAIL OF MANHOLES STEAM AND CONDENSATE LINES

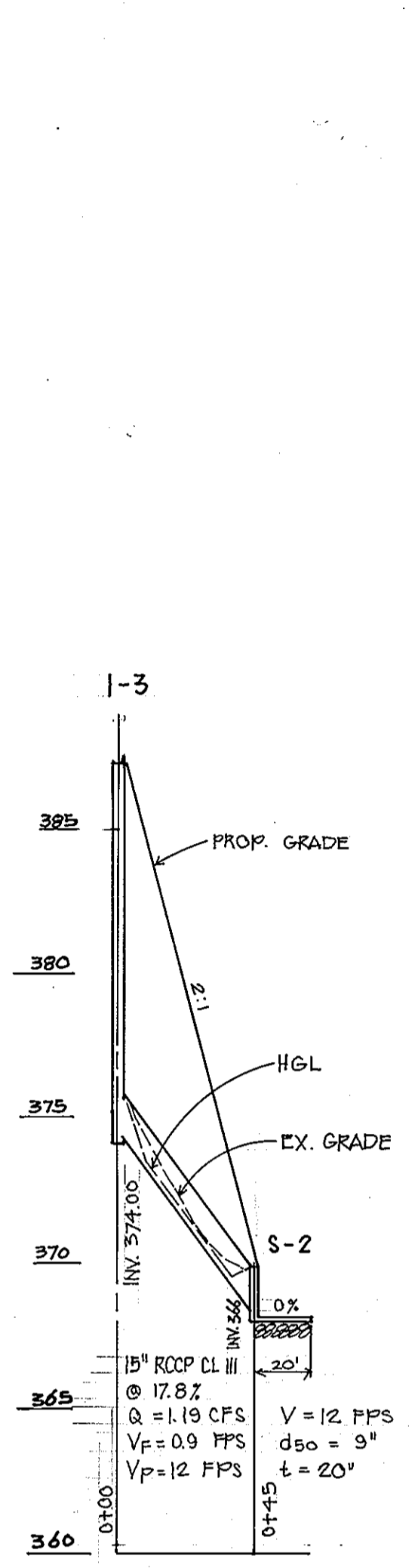


APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE: 4-16-91
JCS

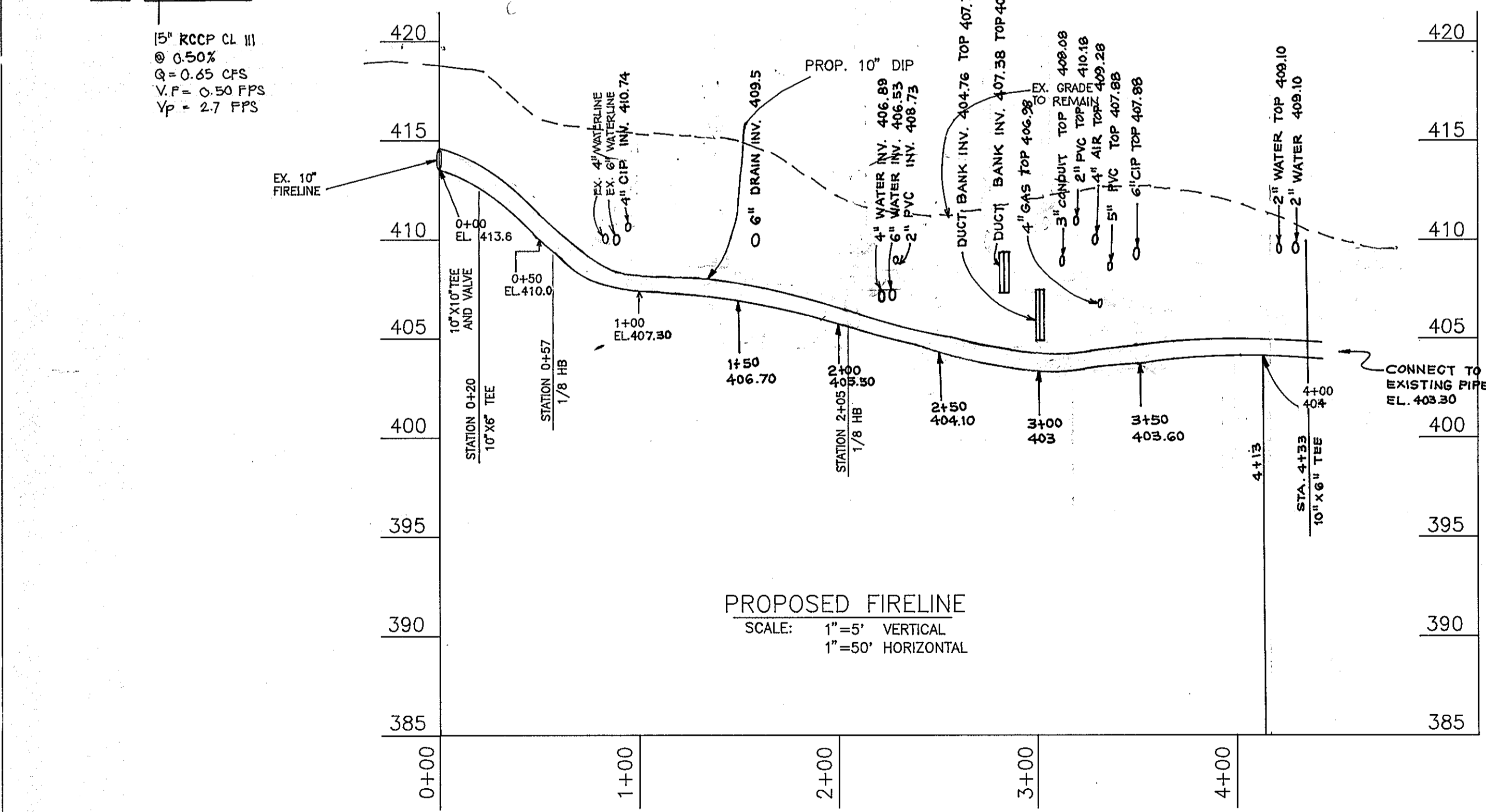
ADDRESS CHART					
PARCEL NUMBER	STREET ADDRESS				
P 145	7379 GUILFORD ROAD				
SUBDIVISION	NAME	SECTION/AREA	LOT	PARCEL	
W.R. GRACE & CO.			P 145		
PLAT NUMBER	BLOCK NUMBER	ZONE	TAX/ZONE MAP	ELECTION DISTRICT	DENSITY TRAC
273/186	22	P E C	35	5th	6053.01
WATER CODE	SEWER CODE				
N / A	6440000				
APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS OF HOWARD COUNTY HEALTH DEPARTMENT.					
[Signature]					8-5-91
COMMUNITY HEALTH OFFICER					DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING					
[Signature]					8/14/91
PLANNING DIRECTOR					DATE
[Signature]					8/16/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT					DATE
APPROVED: FOR PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.					
[Signature]					7/25/91
DIRECTOR					DATE
[Signature]					7-25-91
CHIEF, BUREAU OF ENGINEERING					DATE



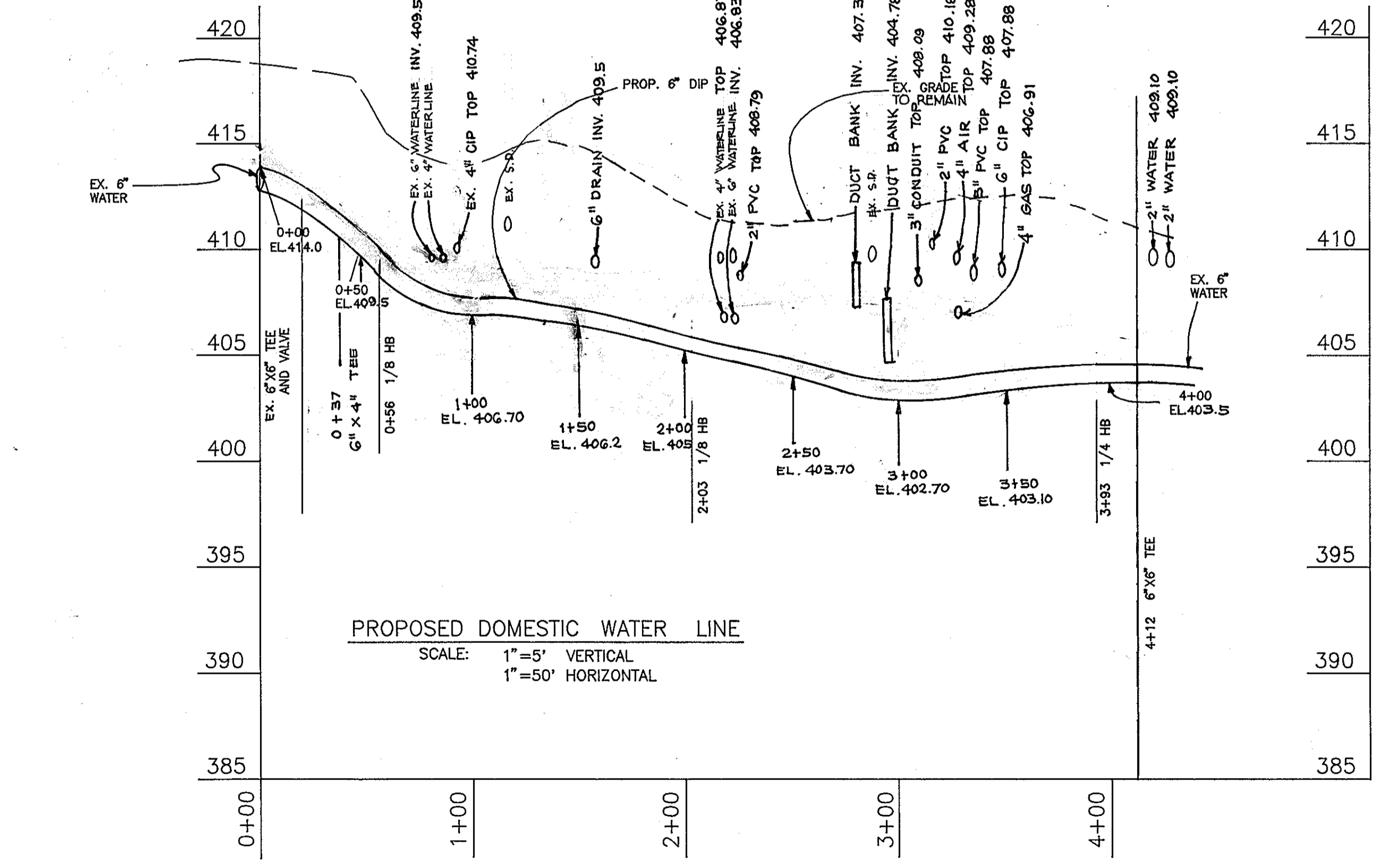
PROPOSED STORM DRAINAGE SYSTEM
SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL



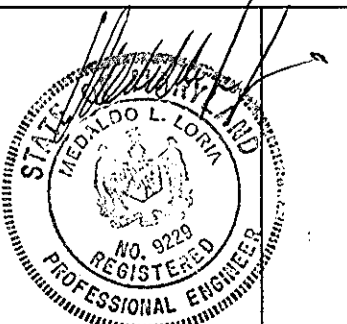
PROPOSED DOMESTIC WATER LINE
SCALE: 1" = 5' VERTICAL
1" = 50' HORIZONTAL



PROPOSED FIRELINE
SCALE: 1" = 5' VERTICAL
1" = 50' HORIZONTAL



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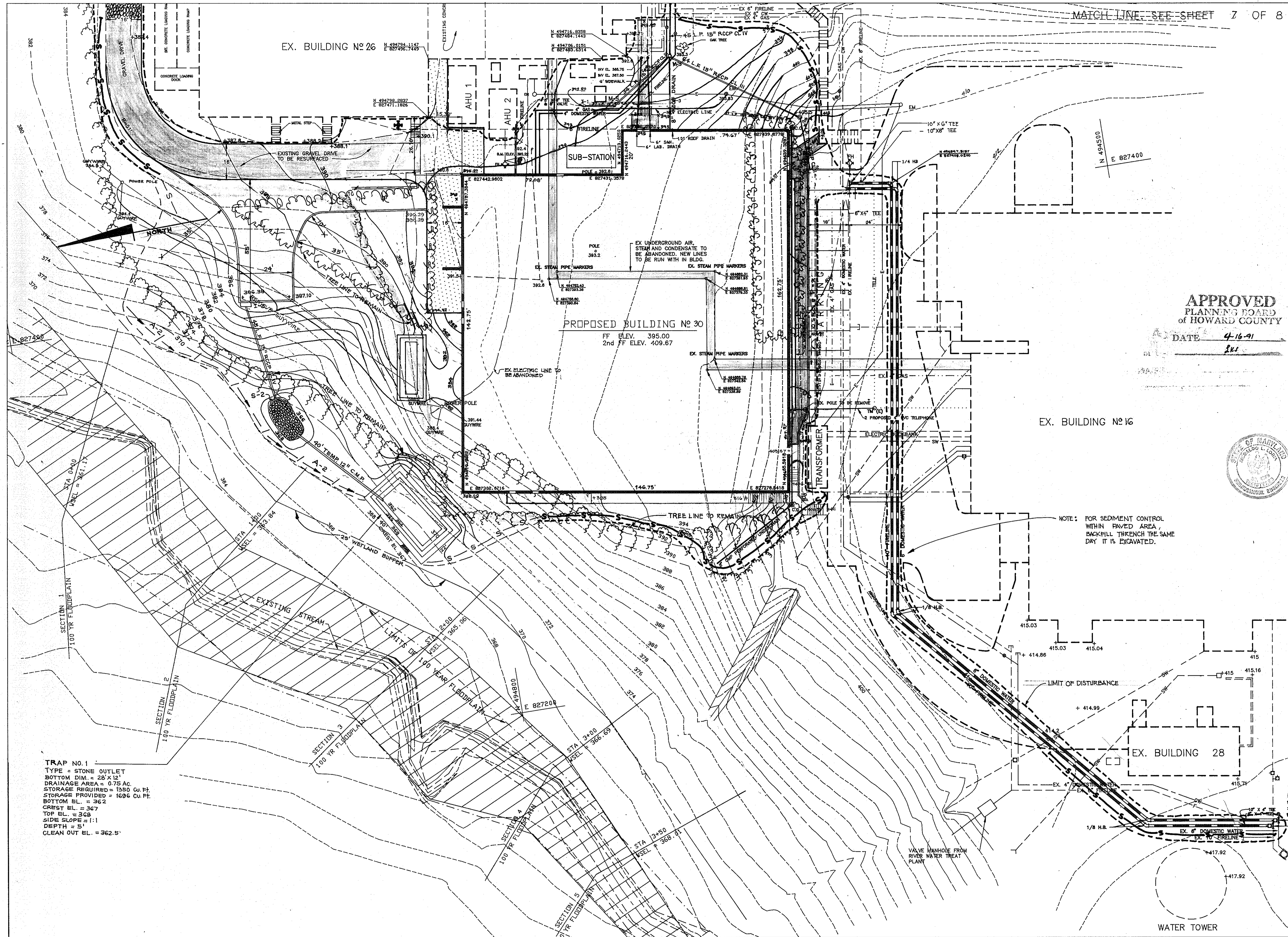
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7379 GUILFORD RD.
COLUMBIA, MARYLAND 21044

PROCESS DEVELOPMENT BUILDING #30

WATER PROFILE
DRAINAGE PROFILE

REVISIONS		
DATE	BY	DESCRIPTIONS
9-15-92	JC	FIRELINE & DOMESTIC WATER PROFILE
11-30-92	AVG	PROFILE OF DRAINAGE SYSTEM & STRUCTURE SCHED.

SCALE: AS SHOWN	REVISION NUMBER
DATE: 2-6-91	5 of 8



MATCH LINE - SEE SHEET 7 OF 8

- SEQUENCE OF CONSTRUCTION :
- 1.) OBTAIN GRADING PERMIT.
 - 2.) INSTALL SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN.
 - 3.) GRADE SITE, CONSTRUCT BUILDING, UTILITIES & PARKING LOT.
 - 4.) STABILIZE ALL DISTURBED AREA IN ACCORDANCE WITH HOWARD COUNTY SOIL CONSTRUCTION REQUIREMENTS. SEDIMENT CONTROL STRUCTURES MAY BE REMOVED UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - 5.) CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY SEDIMENT FROM SWM POND ATTRIBUTED TO HIS/HER CONSTRUCTION

- LEGEND :
- LIMIT OF DISTURBANCE
 - - - SILT FENCE
 - ▨ STABILIZED CONSTRUCTION ENTRANCE

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 4-16-91

These plans have been reviewed for the Howard Soil Conservation district and meet the technical requirements for soil and sediment control.
[Signature] 6/19/91
U.S. Soil Conservation Service date
These plans for soil and sediment control meet the requirements of the Howard Soil Conservation District.
[Signature] 6/19/91
Howard Soil Conservation District date

ENGINEER'S CERTIFICATE
I hereby certify that this plan for erosion and sediment control represents a practical and of the site and conditions and it was prepared in workable plan based on my personal knowledge accordance with the requirements of Howard Soil Conservation District.
[Signature] 2-6-91
SIGNATURE OF ENGINEER DATE

DEVELOPER'S/BUILDER'S CERTIFICATE
I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.
[Signature] 2/14/91
BUILDER/DEVELOPER DATE

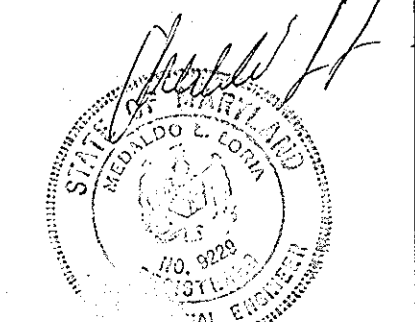
ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
P 145	7379 GUILFORD ROAD
SUBDIVISION	NAME
W.R. GRACE & CO.	
SECTION/AREA	LOT
35	145
PLAT NUMBER	BLOCK NUMBER
273/186	22
ZONE	TAX ZONE
P E C	MAP
ELECTION DISTRICT	CENSUS TRAC
5th	6053.01
WATER CODE	SEWER CODE
N/A	6440000

APPROVED : FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.
[Signature] 8-5-91
COUNTY HEALTH OFFICER DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 8/14/91
PLANNING DIRECTOR DATE
[Signature] 8/14/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE
APPROVED : FOR PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
[Signature] 7/25/91
DIRECTOR DATE
[Signature] 7-25-91
CHIEF, BUREAU OF ENGINEERING DATE

TRAP NO. 1
TYPE = STONE OUTLET
BOTTOM DIM. = 28" X 12"
DRAINAGE AREA = 0.75 AC.
STORAGE REQUIRED = 1350 CU. FT.
STORAGE PROVIDED = 1696 CU. FT.
BOTTOM EL. = 362
CREST EL. = 367
TOP EL. = 368
SIDE SLOPE = 1:1
DEPTH = 5'
CLEAN OUT EL. = 362.5'

NOTE: FOR SEDIMENT CONTROL WITHIN PAVED AREA, BACKFILL THROUGH THE SAME DAY IT IS EXCAVATED.

oria engineering inc.
CONSULTING ENGINEERS • LAND PLANNERS • SURVEYORS
3230 BETHANY LANE, SUITE 4
ELICOTT CITY, MARYLAND 21043
TEL. (301) 465-0400



GRACE

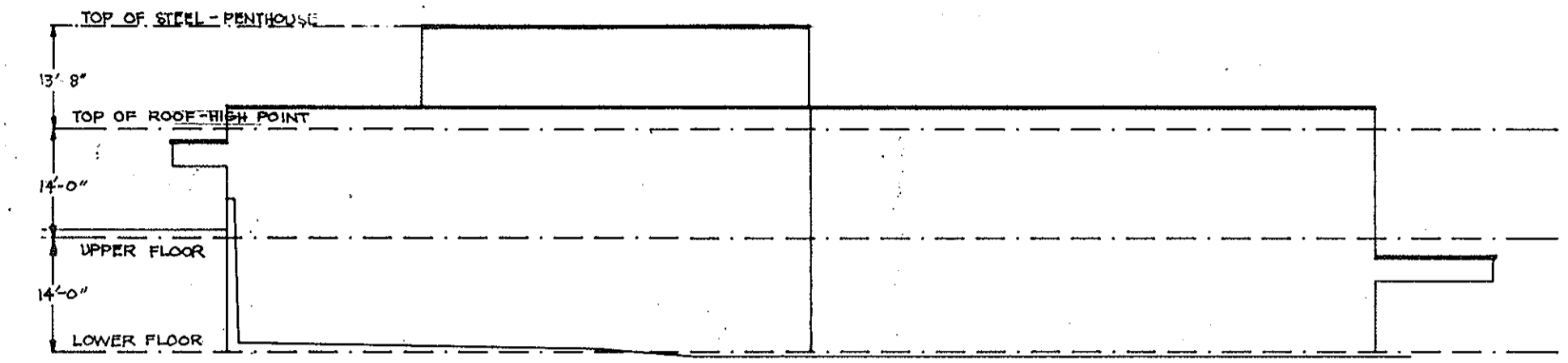
W.R. GRACE & CO. - CONN.
WASHINGTON RESEARCH CENTER
7379 GUILFORD RD.
COLUMBIA, MARYLAND 21044

PROCESS DEVELOPMENT BUILDING #30

SEDIMENT CONTROL PLAN

REVISIONS		
DATE	BY	DESCRIPTIONS
11/07/91	GDS	SIDEWALK, CANOPY & OUTSIDE STAIRS
11-30-92	JNC	SEDIMENT CONTROL PLAN
3-11-93	JC	TANK VAULT

SCALE: 1" = 20'
DATE: 2-6-91
SHEET NUMBER
6 of 8



BUILDING ELEVATION
NOT TO SCALE

NOTE: FOR SEDIMENT CONTROL MEASURES ON PAVED AREA, BACKFILL TRENCH THE SAME DAY IT IS EXCAVATED.

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 4-16-91
SRS

These plans have been reviewed for the Howard Soil Conservation district and meet the technical requirements for soil and sediment control.
John W. Hester 6/17/91
U.S. Soil Conservation Service date
These plans for soil and sediment control meet the requirements of the Howard Soil Conservation District.
John W. Hester 6/17/91
Howard Soil Conservation District date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for erosion and sediment control represents a practical and of the site and conditions and it was prepared in workable plan based on my personal knowledge accordance with the requirements of Howard Soil Conservation District.

William J. Lee 2-6-91
SIGNATURE OF ENGINEER DATE

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

W.R. Grace & Co. 2/11/91
BUILDER/DEVELOPER DATE

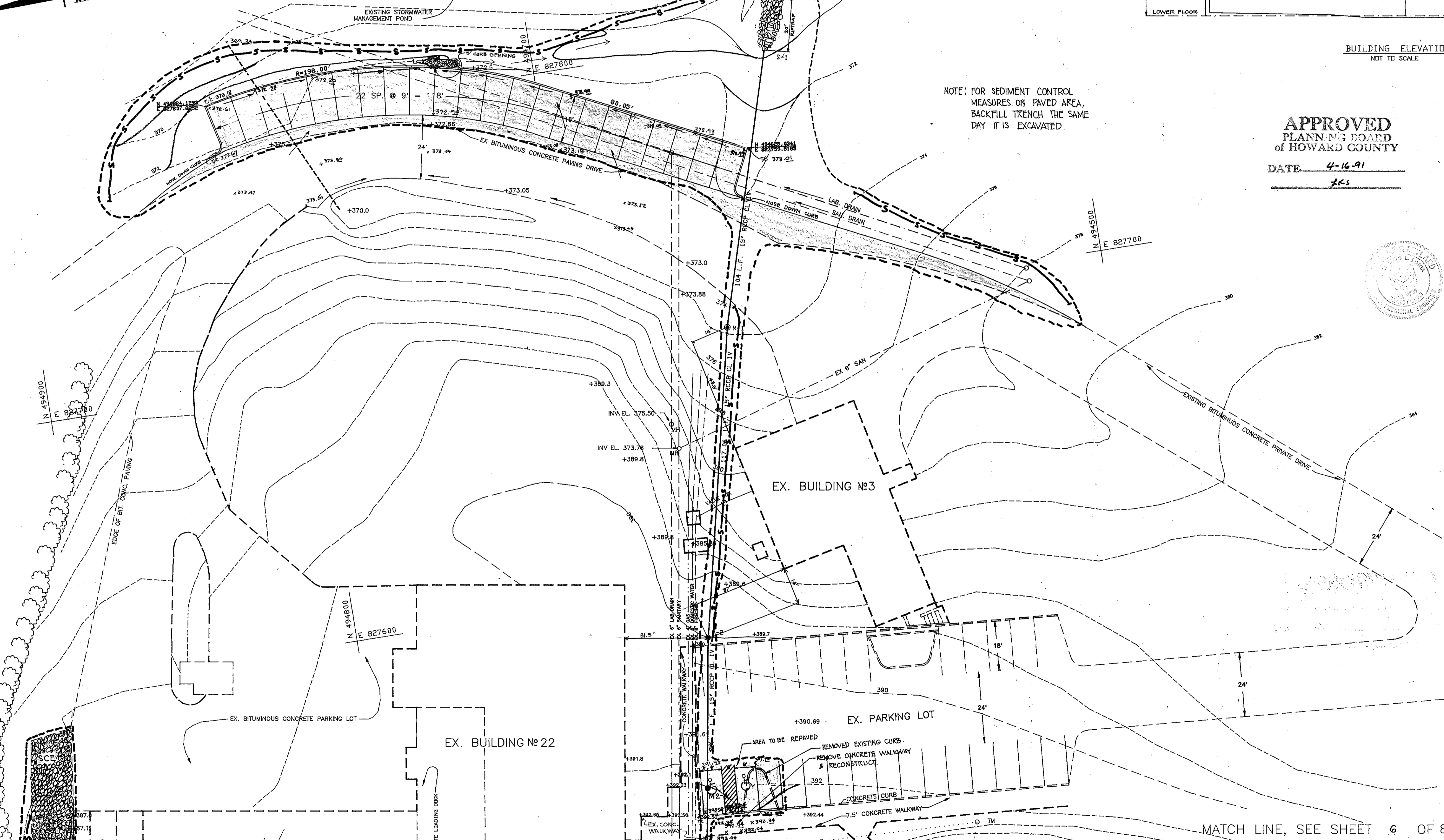
ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
P 145	7379 GUILFORD ROAD
W.R. GRACE & CO.	SECTION/AREA LOT PARCEL
PLAT NUMBER 273/186	22 35 5th 6053.01
WATER CODE N/A	SEWER CODE 6440000

APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.
Joseph M. DeLong 8-5-91
COUNTY HEALTH OFFICER DATE

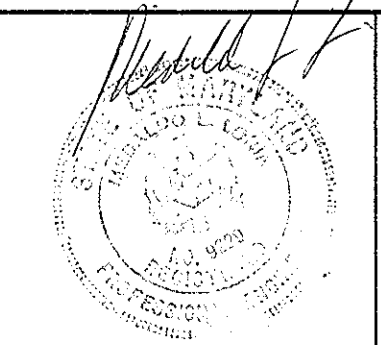
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
James J. Smith 8/14/91
PLANNING DIRECTOR DATE
John J. DeLong 6/12/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Richard J. Smith 7/25/91
DIRECTOR DATE
W.R. Grace & Co. 7-25-91
CHIEF, BUREAU OF ENGINEERING DATE

MATCH LINE, SEE SHEET 6 OF 8



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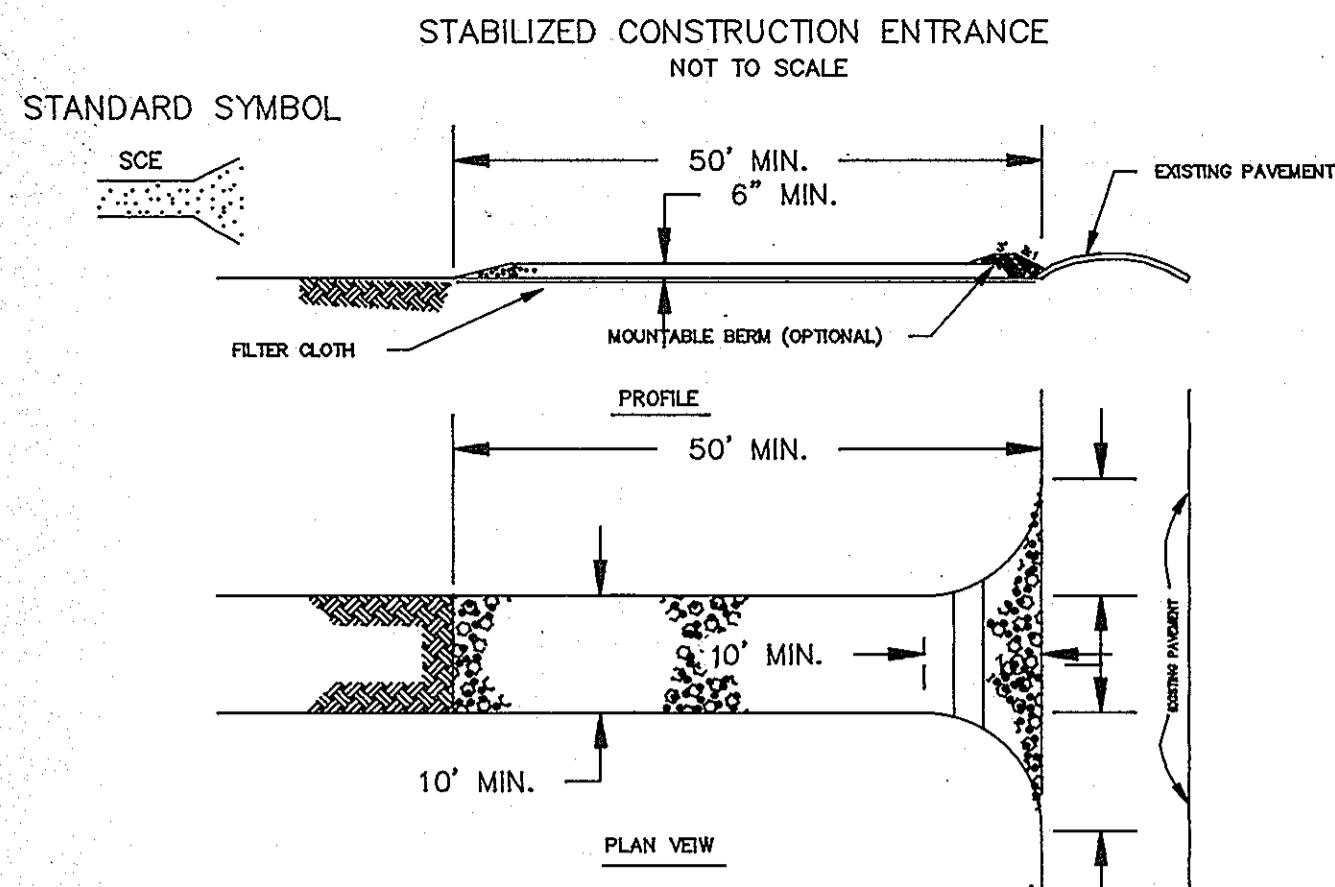
PROCESS DEVELOPMENT BUILDING #30

SEDIMENT CONTROL PLAN

REVISIONS		
DATE	BY	DESCRIPTIONS

SCALE: 1" = 20'
DATE: 2-6-91

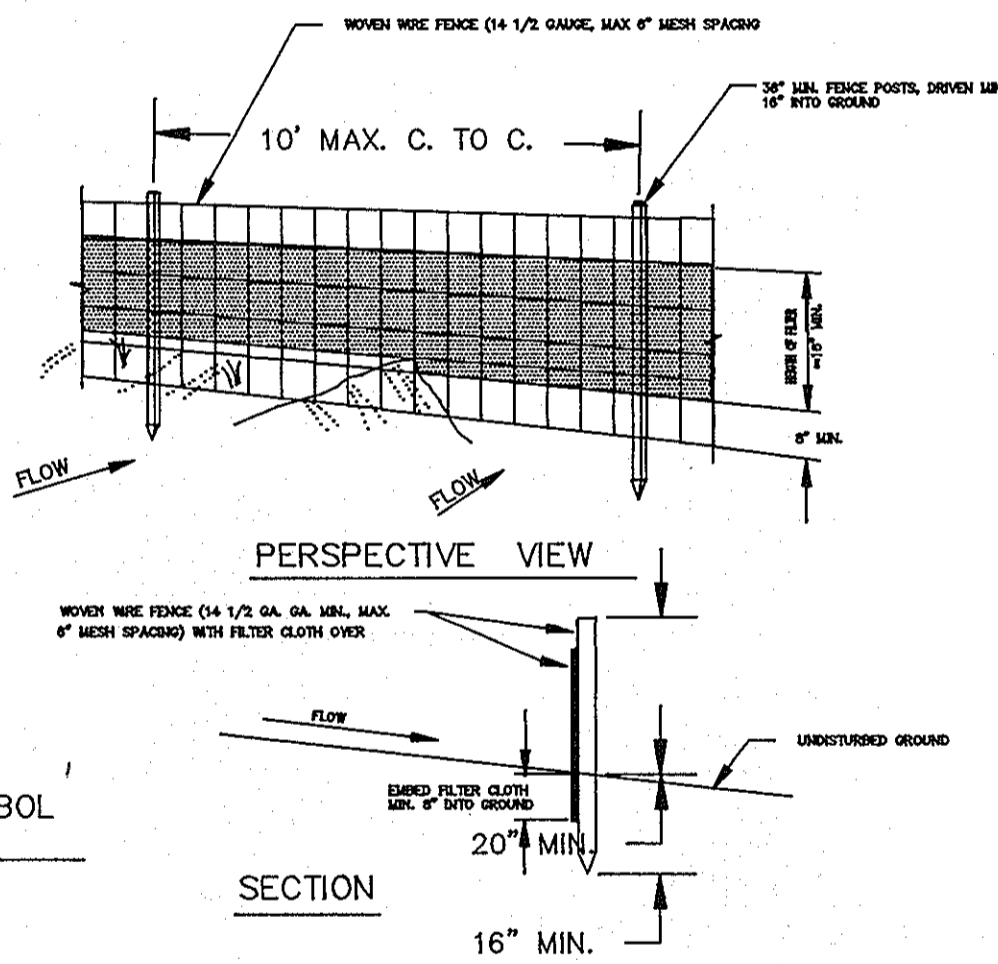
SHEET NUMBER
7 of 8



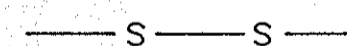
CONSTRUCTION SPECIFICATION

- STONE SIZE - USE 2" STONE OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 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.
- 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 2:1 SLOPES WILL BE PERMITTED.
- 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.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS - OF - WAY. WHEN IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SILT FENCE



STANDARD SYMBOL



CONSTRUCTION NOTES FOR FABRICATION SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - 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, 14.5 GAL. 6" MAX. MESH SPACING
FILTER CLOTH: FILTER X, MIRAFI 100 X, STABI-LINKA 140 EVO OR APPROVED EQUAL
PREFABRICATED UNIT, GEOPAF, APPROVED EQUAL

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, UNLESS PREVIOUSLY LOOSENED.

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 60 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 (8 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 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 (5 LBS/1000 SQ FT) OF KEEPER 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) USE SOO. 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 GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 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, UNLESS PREVIOUSLY LOOSENED.

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 2 1/2 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 (0.7 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 SOO.

MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GALLONS 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.

STANDARD AND SPECIFICATION FOR VEGETATIVE STABILIZATION WITH SOO

- CLASS OF TURFGRASS SOO SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOO.
- SOO SHALL BE MACHINE CUT AT A UNIFORM SOO THICKNESS OF 3/4 INCH, PLUS OR MINUS 1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- STANDARD SIZE SECTIONS OF SOO SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SPREAD TO TOP SURFACE WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
- INDIVIDUAL PIECES OF SOO SHALL BE CUT TO THE SUPPLIERS WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 2 PERCENT. BROKEN PADS AND TORN OR UNIFORM ENDS WILL NOT BE ACCEPTABLE.
- SOO SHALL NOT BE HARVESTED OR TRANSPORTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
- SOO SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOO NOT TRANSPORTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.

1. SITE PREPARATION

- FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED BY SOIL TESTS. UNDER UNUSUAL CIRCUMSTANCES WHERE THERE IS UNSUFFICIENT TIME FOR A COMPLETE SOIL TEST, FERTILIZER AND LIME MATERIALS MAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.
- PRIOR TO SOODING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GRAZE STAKES, AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.
 - WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS/ACRE OR 100 POUNDS PER 1000 SQUARE FEET. IN ALL SOILS 1000 POUNDS PER ACRE OR 25 POUNDS PER 100 SQUARE FEET OF 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LIME.
 - ALL AREAS RECEIVING SOO SHALL BE UNIFORMLY FINE GRADED. HARD-PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOO.

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 TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOO (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	147.45 ACRES
AREA DISTURBED	4.75 ACRES
AREA TO BE ROOFED OR PAVED	7.75 ACRES
AREA TO BE VEGETATIVELY STABILIZED	2.90 ACRES
TOTAL CUT	19.00 CU. YDS
TOTAL FILL	19.00 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 CONTROL 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.

11) THE MAXIMUM LENGTH OF TRENCH FOR INSTALLATION OF UTILITIES (WATER, SEWER, STORM DRAIN, ETC) WHICH MAY BE BACKFILLED AND STABILIZED IN ONE WORKING DAY SHALL BE 50 FEET.

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 BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE 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 RE-SUBMISSION TO 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, PP 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 COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
 - EXCESS CUT OR BORROW MATERIAL SHALL GO TO OR COME FROM, RESPECTIVELY, A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN.
- THE FOLLOWING ITEM MAY BE USED AS APPLICABLE:
- REFER TO "MARYLAND'S GUIDELINES TO WATERWORKS CONSTRUCTION" BY THE WATER RESOURCES ADMINISTRATION (WRA), DATED JANUARY, 1986 FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 4-16-91
Ans

ADDRESS CHART			
PARCEL NUMBER	STREET ADDRESS		
P 145	7379 GUILFORD ROAD		
SUBDIVISION	NAME	SECTION/AREA	LOT / PARCEL
W.R. GRACE & CO.			P 145
PLAT NUMBER	BLOCK NUMBER	ZONE	TAX/ZONE MAP
273/186	22	P E C	35
ELECTION DISTRICT	SEWER CODE	GENSIS TRAC	
5th	6440000	6053.01	

APPROVED: FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.
Joseph M. ... 8-5-91
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
James ... 8/14/91
PLANNING DIRECTOR DATE
James ... 7/12/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC SEWERAGE, STORM DRAINAGE SYSTEM AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Paul ... 7/25/01
DIRECTOR DATE
Michael ... 7-25-91
CHIEF, BUREAU OF ENGINEERING DATE

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for soil and sediment control.
John ... 6/19/91
U.S. Soil Conservation Service DATE

These plans for soil and sediment control meet the requirements of the Howard Soil Conservation District.
John ... 6/19/91
Howard Soil Conservation District DATE

ENGINEER'S CERTIFICATE

I hereby certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

William ... 7/4/91
SIGNATURE OF ENGINEER DATE

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

Chris ... 7/4/91
BUILDER/DEVELOPER DATE

W.R. Grace & Co. Engineering Inc.
CONSULTING ENGINEERS * LAND PLANNERS * SURVEYORS
3230 BETHANY LANE, SUITE 4
ELLCOTT CITY, MARYLAND 21043
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SEDIMENT CONTROL NOTES

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