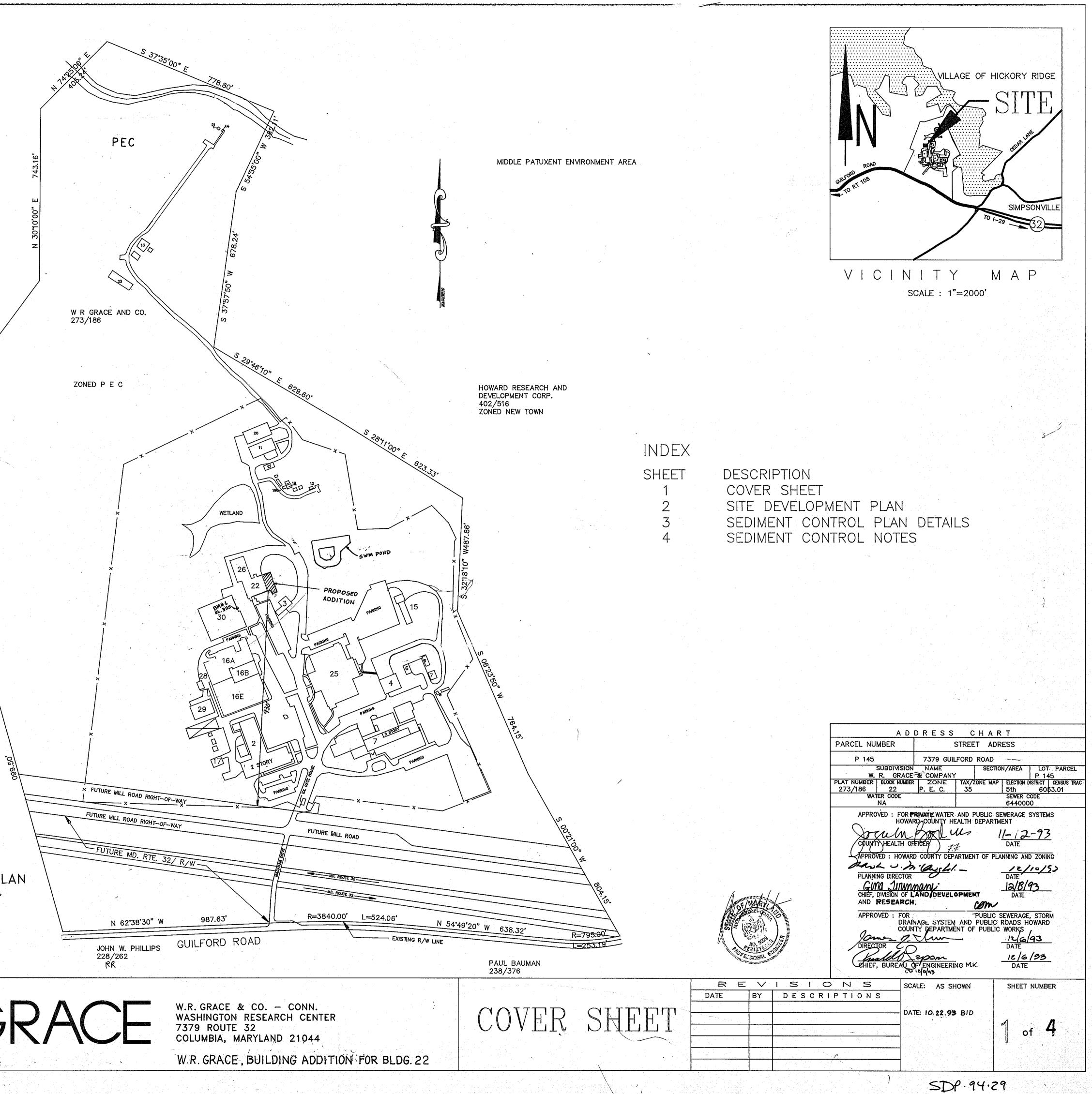
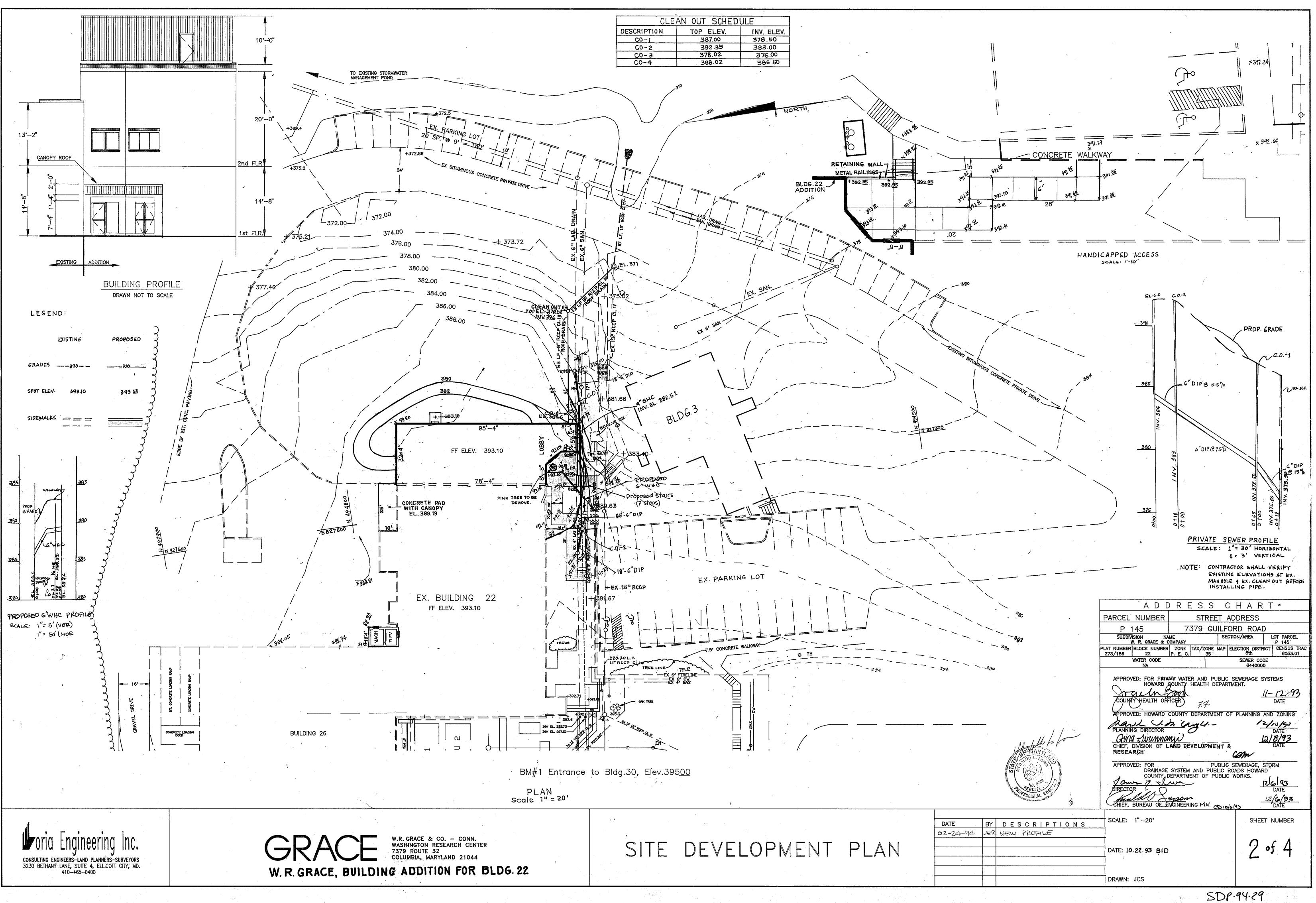
			• •	
		GENERAL NOTES		
	1.	PRIOR TO THE START OF ANY OPERATIONS, THE CONTRACTOR SHALL STAKE OUT THE BASELINES OF CONSTRUCTION, PROPOSED BUILDING		-
		STAKE OUT THE BASELINES OF CONSTRUCTION, PROPOSED BUILDING AND VERIFY SETBACKS AND OFFSET DIMENSIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER AT (301-531-4240) AT		۰,
		LEAST 72 HRS. PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITIES.		
	3.	ABUITING 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		
	4.	CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO EXISTING VEGETATION AND ANY VIOLATIONS OF THE PROTECTED AREAS. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST HOWARD COUNTY VOLUME IV STANDARD SPECIFICATION AND DETAILS.	HOWARD RESEARCH AND DEVELOPMENT CORP. 401/124	
	5.	THE INFORMATION ON THESE PLANS IS FOR THE CONVENIENCE OF THOSE CONCERNED ONLY. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION - SHOWN IS NOT WARRANTED OR GUARRANTED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS OWN SATISFACTION.	ZONED NEW TOWN	
	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		i.
	7.	MIGHT OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL DISTURBED AREAS NOT STABILIZED WITH PAVING, SHALL BE SEEDED		
	8.	AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT CONTROL PLAN, PRIOR TO CONTRACT COMPLETION. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.		
	э.	TOPOGRAPHIC SURVEY PURDUM & JESCHKE DATED JULY 26,1989 & LORIA ENGINEERING ON JUNE 1993.		/
		ALL PIPE ELEVATION SHOWN ARE INVERT ELEVATIONS. ALL WATER MAINS SHALL BE DUCTILE IRON CLASS 52.		/
na Nagara (Sana Sana Sana Sana Sana Sana Nagara (Sana Sana Sana Sana Sana Sana Sana Sa		ALL SANUARY SEWER MAINS SHALL BE HOWARD COUNTY SCHEDULE 35 PVC UNLESS OTHERWISE MOTED.		
	13.	THE CONTRACTOR OR THE DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION, 24 HRS. IN ADVANCE OF COMMENCEMENT OF WORK,		,
	14.	TOP OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3 1/2 FT. OF COVER UNLESS OTHERWISE NOTED.	13 10	
	15.	ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWING.	8	
	18.	CLEAR ALL UTILITIES BY A MINIMUM OF 5". CLEAR ALL POLES 2'-6" MINIMUM OR TUNNEL IS REQUIRED.		, L
		THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEMS.		
		THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0' OF EXTERIOR MANHOLE WALL. THE BUILDING PROPOSED IS OFFICE & LABORATORY.		
		THERE ARE NO WETLANDS WITHIN THE LIMITS OF DISTURBANCE SHOWN. THEREFORE SECTION 404 AND SECTION 401 DO NOT APPLY AND PERMITS		
	21.	ARE NOT REQUIRED. AN EXISTING WET PONDS WILL PROVIDE STORMWATER MANAGEMENT FOR WATER QUALITY AND WATER QUANTITY FOR THIS DEVELOPMENT.		
	22. 23.	ALL ON-SITE WATER AND SEWER SYSTEM ARE PRIVATE. DEPARTMENT OF PLANNING AND ZONING FILES PB 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, BP-267, FDP-PEC-1A, S 90-37, SDP-90-116 & SDP-88-193 SDP 91-92.		
	24.	ANY LANDSCAPING WILL BE DONE BY WRGRACE AFTER BUILDING IS COMPLETED.		
		SRC	R/W 33	
				n in
				· · · · ·
		SITE ANALYSIS		, · · ·
	A	RESENT ZONING  PEC    REA OF PROPERTY  147.40 ACRES    REA OF SUBMISSION  030 ACRES		<u> </u>
		REA OF SUBMISSION    0.20 ACRES      UILDING COVERAGE    225,892 S.F. = 5.19 ACRES      EXISTING    225,892 S.F. = 5.19 ACRES      PROPOSED    2,945 S.F. = .07 ACRES	9 	
	N	TOTAL FLOOR SPACE5,890S.F. =TOTAL228,837S.F. = $5.26$ ACRES $3.91\%$ UMBER OF EMPLOYEES		
		EXISTING 591 PROPOSED 7 TOTAL 598		
	N	UMBER OF PARKING SPACES EXISTING 541 Includes 5 handicapped parking spaces PROPOSED		
and a state of the second s Second second second Second second		REQUIRED FOR THE SUBMISSION 5=(7/10 x 7) TOTAL PARKING SPACES 541 TOTAL REQUIRED 419		Т
	0	PEN SPACE EXISTING 40.41 ACRES 30.10% of PEC AREA		
		PROPOSED, 30.05% of PEC AREA		
		ACIG TIES (SEE STRUCT)		
	XAN		LOCATION	Pl
P=.0.45(6)(6/2)=0.81	4-0	12" #4@16	SCALE 1" =	
M= .1283 (.81) (4)=.6	2	FILL CALL SOLID		
$A_{5}=\frac{.62}{(-8.(4))}=.08$	16 0	E CONT. 2'WIDEX 1'DP FTG		
#4C160K	ло V Д	• • • • • • • • • • • • • • • • • • •		
	ý.	RET. WALL DETAIL NOT TO SCALE		· · · ·

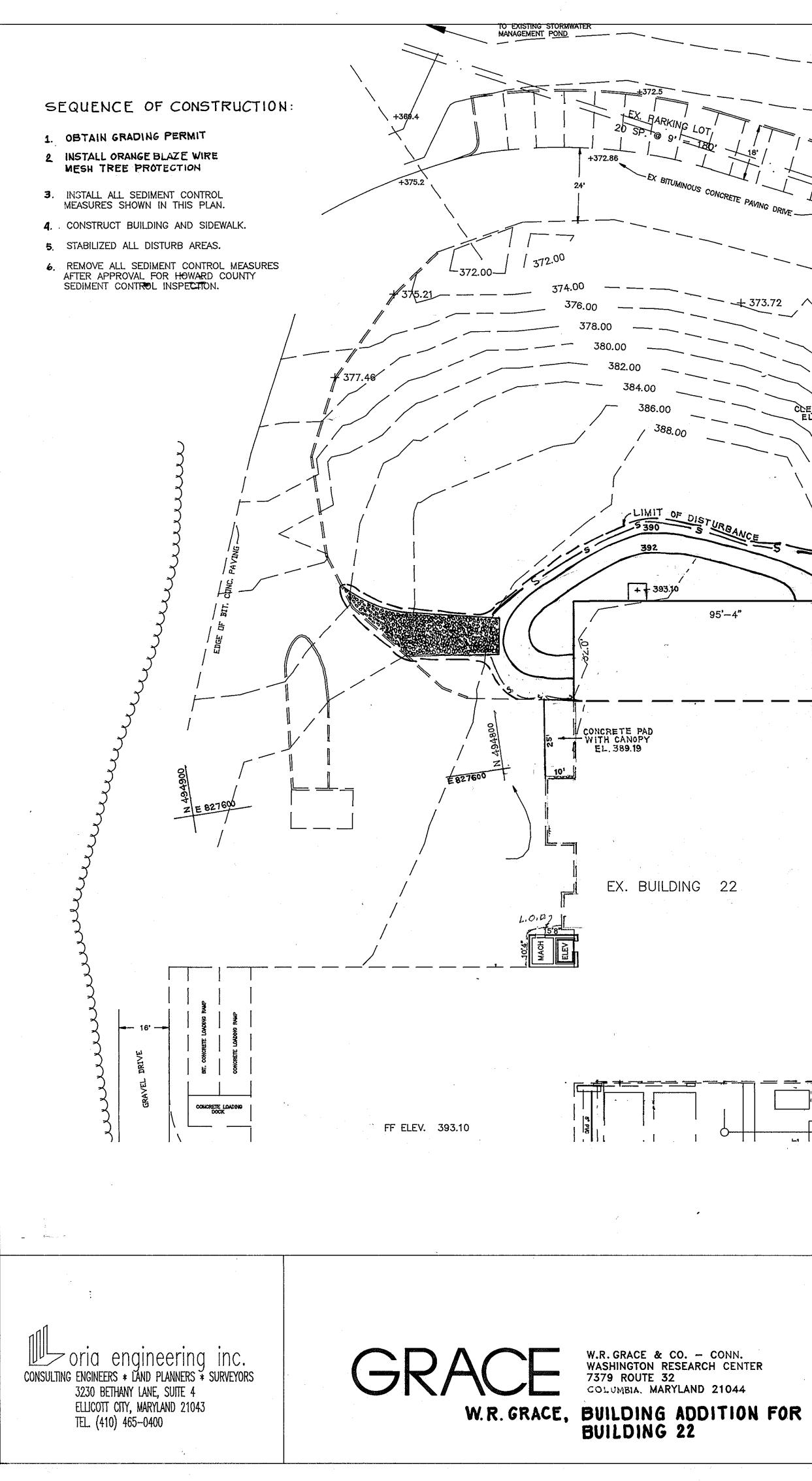
Oria engineering inc. consulting engineers \* Land planners \* surveyors 3230 Bethany Lane, suite 4 Ellicott city, Maryland 21043 Tel. (301) 465-0400



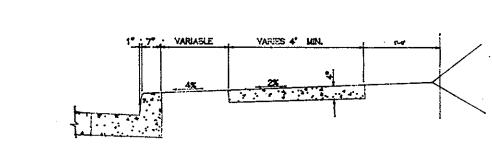




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MAGNETIC . BITUMINOUS CONCRETE PAVING DRIVE -+ 373.72 HLIMIT OF DISTURBANCE BLDG.3 95'-4" EX. PARKING LOT · TELE PLAN Scole  $1^n = 20^n$ These plans have been reviewed for the Howard Soil Conservation District and meet ENGINEER'S CERTIFICATE the technical requirements for the Soil and I hereby cettify 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 sediment contro Conservation District. meet the requirements the Howard Soil Conservation District 9-15-93 A pon DATE IGNATURE OF ENGINEER

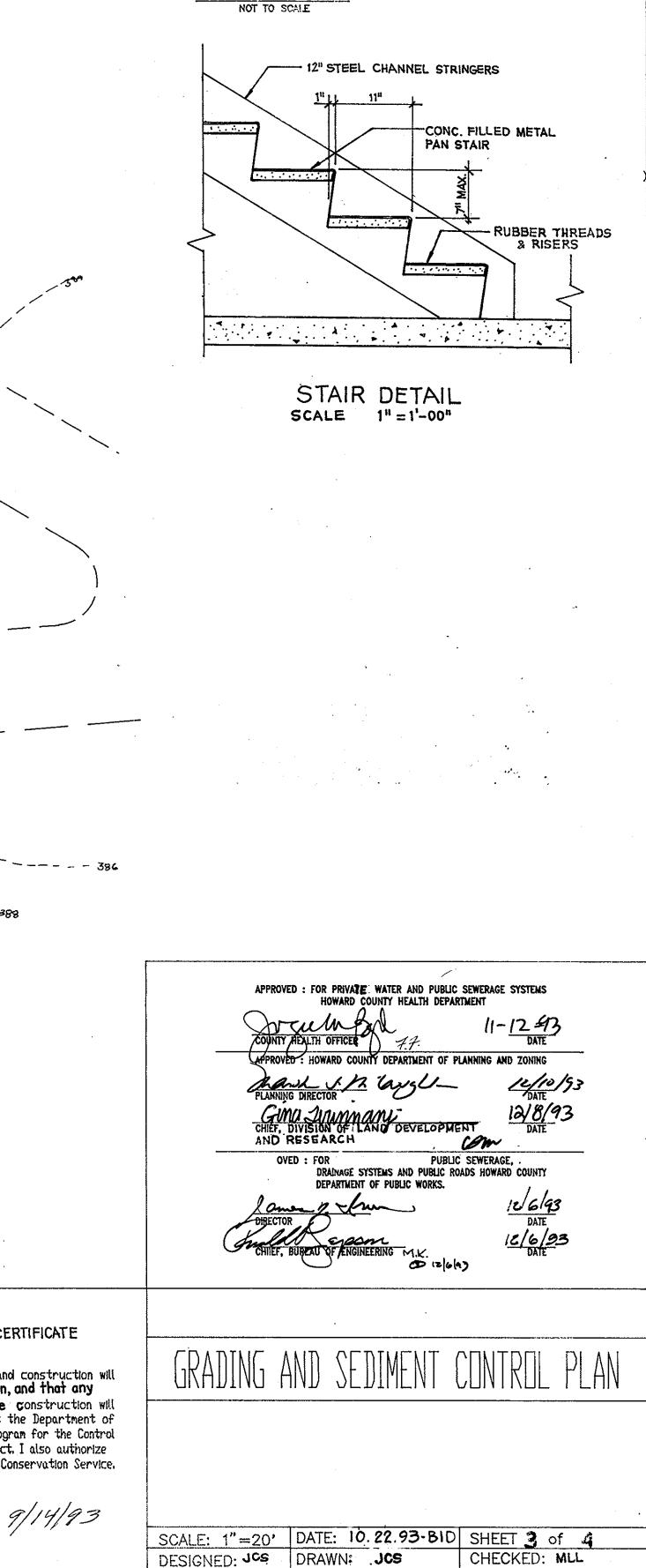


NOTES:

1. SIDEWALK TO BE SCRIBED IN 5' MAXIMUM SQUARES.

- 2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE MORE THAN 15' APART.
- 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.
  CONCRETE TO BE MIX NO.2.
- 5. WHEN SIDEWALK ABUT CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB AND RESTING ON A COMPACTED CRUSHED STONE BASE. SEE DETAIL A THIS SHEET.
- 6. ON LONGITUDINAL SIDEWALK GRADES OF 5% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 48 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.

CONCRETE SIDEWALK

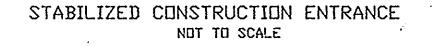


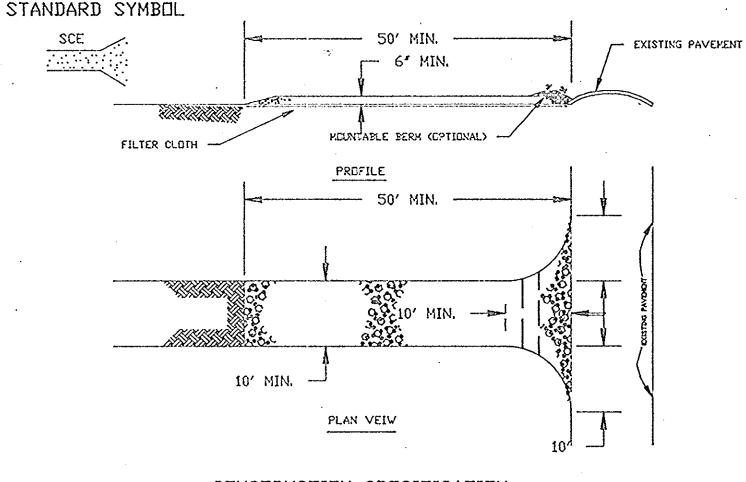
SDP.94.29

DEVELOPER'S/BUILDER'S CERTIFICATE

I/ decentify 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 Natural Resources Approved Training Program for the Control of Sediment beforre begining the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

BUILDER/DEVELOPER



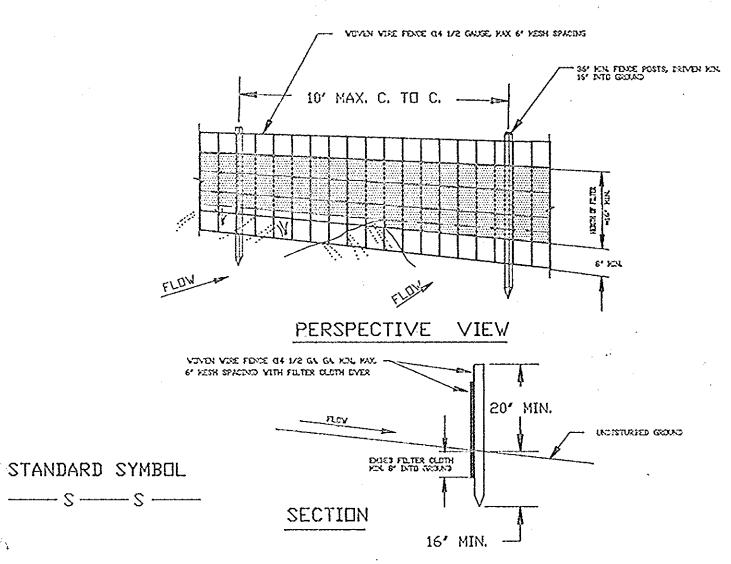


# CONSTRUCTION SPECIFICATION

I. STONE SIZE - USE 2' STONE, OR RECYCLED CONCRETE EQUIVALENT. 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN SO FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH VOULD APPLYX. 3. THICKNESS - NOT LESS THAN SIX (6) INCHES. 4. WIDTH - LEN (10) FOOT MINIMUM, BUT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIDR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LDT. 6. SURFACE WATER - ALL SURFACE WATER FLOWING DR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM VITH 54 SLOPES VILL BE PERMITTED. 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH VILL PREVENT TRACKING DR FLOWING DF SEDIMENT ONTO PUBLIC

RIGHTS - DF - WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/ OR CLEANDUT OF ANY REASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, VASHED DR TRACKED ONTO PUBLIC RIGHTS - OF - WAY MUST BE REMOVED IMMEDIATELY. 8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TH 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. 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SILT FENCE



CONSTRUCTION NOTES FOR FABRICATION SILT FENCE 1. VOVEN WIRE FENCE TO BE FASTENED SECURELY POSTSI STEEL EITHER T DR U TO FENCE POSTS WITH WIRE TIES OR STAPLES. TYPE OR 2' HARDWOOD 2. FILTER CLOTH TO BE FASTENED SECURELY TO FENCE VOVEN VIRE, 14.5 GAL

12/6/93

00 12/0/93

- VOVEN VIRE FENCE VITH TIES SPACED EVERY EVERY 24" AT TOP AND HID SECTION. 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN
- EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES

DEVELOP IN THE SILT FENCE.

Ging Junnmani

MENT & RESEARCH

APPROVED: FOR

Own. RECTOR

EF. BUREAU

DIVISION OF VAND DEVELOP

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6" MAX. HESH OPENING

FILTER CLOTH FILTER X. MIRAFI 100 X. STABI LINKA T 140 N DR APPROVED EQUAL PREFABRICATED UNIT: GEOFAB, ENVIROFENCE. OR APPROVED EQUAL.

المستقفتية وجاريك والجريدي الهوي بال

APPROVED : FOR PRIVATE WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT DEPARTMENT OF PLANNING & ZONING ANNING DIRECTOR ... Margeli - 12/10/93 INEERS \* LAND PLANMERS \* SURVEYORS 12/8/93 3230 BETHANY LANE, SUITE ELUCOTT CITY, MARYLAND 21043 PUBLIC SEVERAGE. STORM DRAINAGE SYSTEMS AND PUBLIC ROADS TEL. (301) 465-0400 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 12/0 193

N AL

RESEEDINGS.

OR USE SOD.

## 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 LODSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, UNLESS PREVIDUSLY LODSENED.

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 SQUARE FEET) 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 UREAFDRM FERTILIZER (9 LBS/1000 SQ FT).

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 DR DISC INTO UPPER THREE INCHES OF SOIL

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU DCTOBER 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 (.05 LBS/1000 SQ FT) OF WEEPING 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 SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL-ANCHORED STRAW.

MULCHING - APLLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/100 SQ FT) OF 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) DF EMULSIFIED ASPHALT EN FLAT AREAS. EN SLOPES 8 FEET OR HIGHER, USE 348 GALLENS PER ACRE (8 GAL/ 1000 SQ FT> FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND

### TEMPORARY SEEDING NOTES

and the second provide the second second

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

SEEDBED PREPARATION LODSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, UNLESS PREVIOUSLY LODSENED.

SDIL 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 UBS/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.

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 (S 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 SOD

- 1. CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
- 2. SOD SHALL BE MACHINE CUT AT A UNIFORM SDIL 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.
- 3. STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
- 4. INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIERS WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
- 5. SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.

6. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.

I. 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.

- A. PRIOR TO SODDING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES, AND OTHER DBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.
- WHERE THE SDIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS/ACRE OR 100 POUNDS PER 1,000 SQUARE FEET. IN ALL SDILS 1,000 POUNDS PER ACRE OR 25 POUNDS PER 1,000 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.
- C. ALL AREAS RECEIVING SDD SHALL BE UNIFORMLY FINE GRADED. HARD-PACKED EARTH SHALL BE SCAREFIED PRIDR TO PLACEMENT OF SOD.
- 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 31, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4. ALL SEDIMENT TRAPS/BASING 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 TIKE PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SDD (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

- AREA DISTURBED AREA TO BE ROOFED OR PAVED
- AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT TOTAL FILL
- OFFSITE WASTE/BORROW AREA LOCATION 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 ERDSION 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.

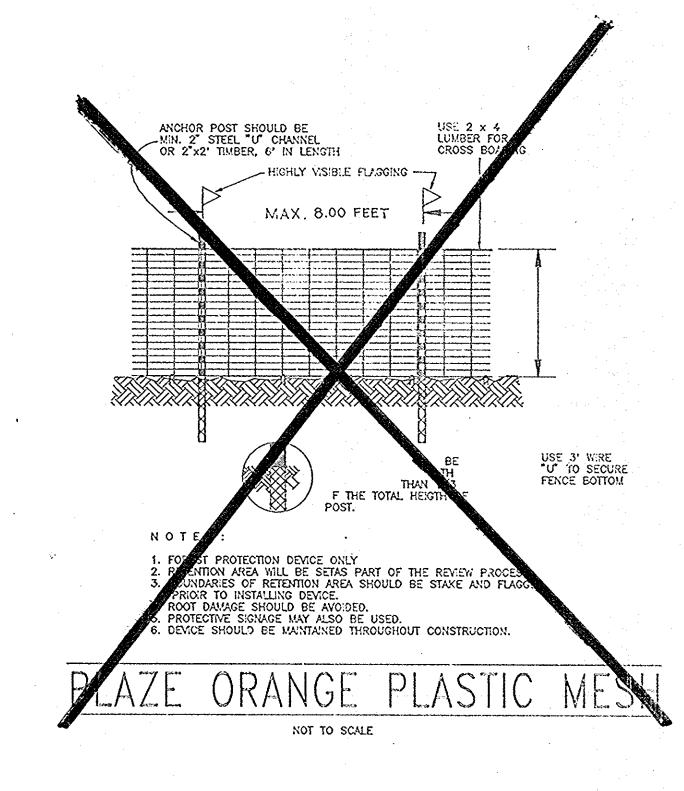
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ese plans have been reviewed for the ward Soil Conservation district and meet technical requirements for soil and	ENGINEER'S CERTIFICATE
diment control <u>A. Walfuld</u> Soll Conservation staryvice ese plans for soil and sediment control the requirements of the Howard	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.
il Conservation District . 11943 11 11943 11 11 11 11 11 11 11 11 11 1	SIGNATURE OF ENGINEER . DATE

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GENERAL NOTES

- 1) REFER TO '1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL ERUSION AND SEDIMENT CONTROL FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
- 2> 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 DF THE SEDIMENT CONTROL INSPECTOR AND THE COUNTY SOIL CONSERVATION DISTRICT.
- 3) AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- 4) 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 (31) AND (B) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 5) ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
- 6) DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SDIL ERDSIGN AND SEDIMENT CONTROL, PP 62.01 AND 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
- 7) 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.
- 8) EXCESS CUT DR BORROW MATERIAL SHALL GO TO DR COME FROM, RESPECTIVELY, A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN. THE FOLLOWING ITEM MAY BE USED AS APPLICABLE.
- 9) 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.



COLUMBIA, MARYLAND 21044

SHEET 4 of 4

SDP:94.29

CHECKED: ML

W.R. GRACE, BLDG. ADDITION FOR BLDG. # 22

## DEVELOPER'S/BUILDER'S CERTIFICATE

I/Ve 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 ot the Department of the Environment Approved Training Program for the Control of Section t beforre begining the project. I also authorize periodic inspection by the Howard Soli Conservation Service.

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owner :

W.R. GRACE

7379 GUILFORD RD.

SCALE: AS SHOWA DATE: 10.22.93 BID

DESIGNED: JCS DRAWN: JCS

COLUMBIA, MD. 21044