### SHEET INDEX DESCRIPTION TITLE SHEET SITE DEVELOPMENT PLAN GRADING & SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP STORM DRAIN PROFILES PROFILES, NOTES AND DETAILS NOTES AND DETAILS RETAINING WALL DETAILS AND BORINGS LANDSCAPING PLAN

# SITE DEVELOPMENT PLAN MEADOWRIDGE BUSINESS PARK

# PARCEL 1-2 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

F.F. 228.4-224.0

SOUTH ELEVATION

NO SCALE

VICINITY MAP

COPYRIGHT ADC THE MAP
PEOPLE PERMITTED USE
NO. 20894285

### **BENCHMARKS**

BM 305 P.K. NAIL SET IN CURB N 491.838 E 865,271

BM 306 P.K. NAIL SET IN CURB N 491,795 E 865,607

## SITE ANALYSIS

16.40 ACRES M-1WAREHOUSE 223,250 SF (31.3% OF SITE) # OF PARKING SPACES REQ'D @ .50 SP/1000 SF

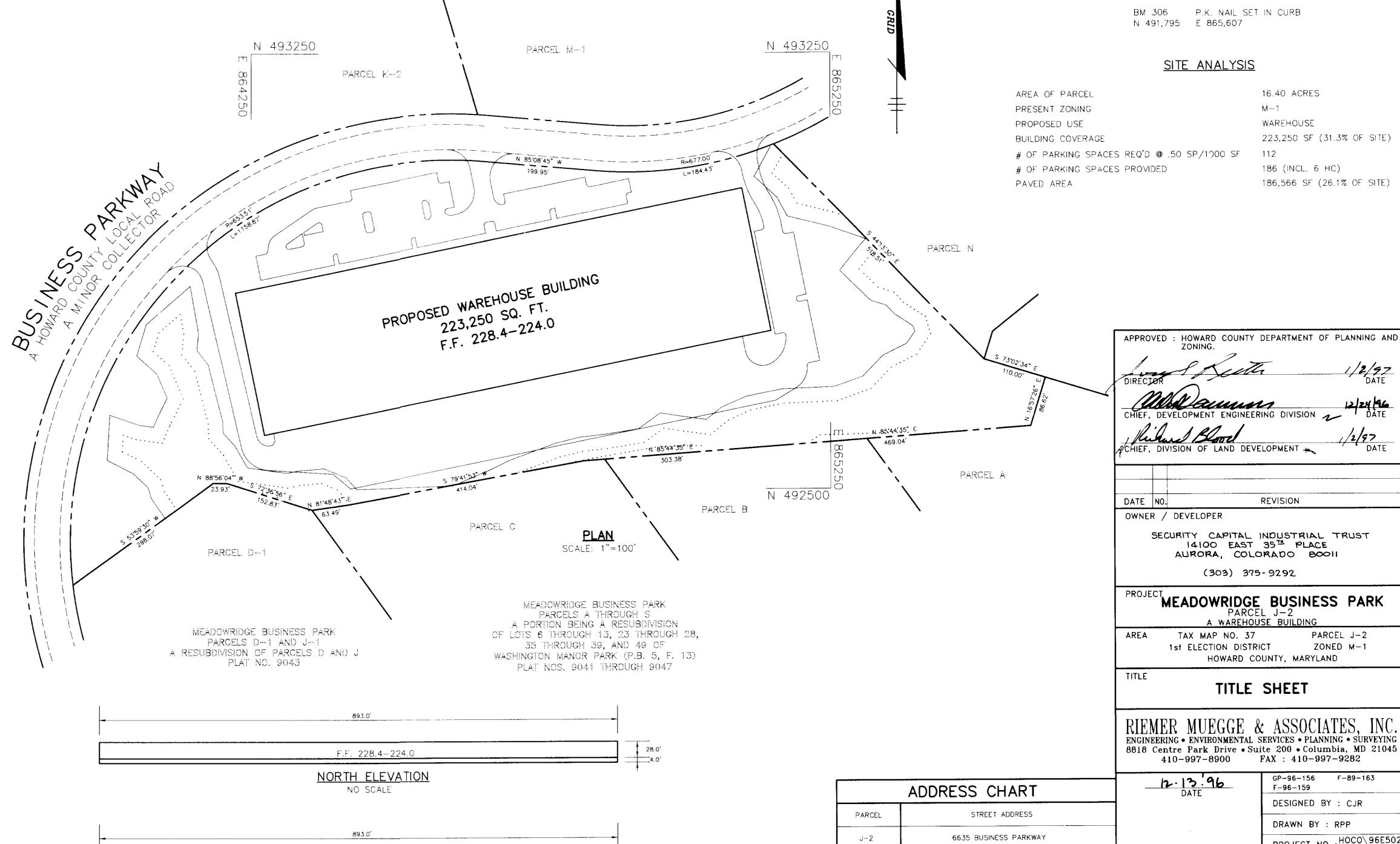
186 (INCL. 6 HC) 186,566 SF (26.1% OF SITE)

THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.

- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AY LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE NOTED.
- A PORTION OF THE EXISTING TOPOGRAPHY IS TAKEN FROM AERIAL SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY WINGS, INC. DATED FEBRUARY, 1994. THE REMAINDER IS THE PROPOSED GRADING UNDER GP-96-156.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 305 AND 306 WERE USED FOR THIS PROJECT.
- 8. WATER IS PUBLIC. CONTRACT NO. 14-1946-D.
- 9. SEWER IS PUBLIC, SEWER DRAINAGE AREA: PATAPSCO CONTRACT NO. 14-1946-D.
- 10. THE STORMWATER MANAGEMENT FACILITY PROPOSED FOR THIS SITE IS EXISTING UNDER F-89-163. THE FACILITY IS AN EXTENDED DETENTION POND AND IS PRIVATELY MAINTAINED. WATER QUALITY MANAGEMENT IS ALSO PROVIDED ON-SITE BY STORMCEPTORS PRIOR TO RELEASE TO EXISTING WETLANDS.
- 11. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- 12. A 100-YEAR FLOODPLAIN STUDY IS NOT REQUIRED FOR THIS PROJECT.
- 13. THE WETLANDS DELINEATION FOR THIS PROJECT IS FROM RECORDED PLAT NOS. 9043 AND 9045.
- 14. A TRAFFIC STUDY IS NOT REQUIRED FOR THIS PROJECT.
- 15. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- 16. THE GEOTECHNICAL STUDY FOR THIS PROJECT WAS PREPARED BY ECS LTD DATED MAY, 1996.
- 17. THE BOUNDARY SURVEY FOR THIS PROJECT IS BASED ON PREVIOUSLY RECORDED PLAT NOS. 9043, 9045.
- 18. SUBJECT PROPERTY ZONED M-1 PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- 19. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- 20. SEE DEPARTMENT OF PLANNING AND ZONING FILE NOs WP-91-100, WP-96-108, F-89-163, GP-96-156, F-96-159.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES. SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- 23. PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- 25. ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4. VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
- 26. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- 27. ALL PIPE ELEVATIONS SHOWN ARE INVERT CONTROL ELEVATIONS.
- 28. STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- 29. PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN
- 30. ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO TI80.
- 31. NOTES ON WP-91-100:
  - a) AS OF MARCH 1, 1991, THE PLANNING DIRECTOR GRANTED APPROVAL TO THE REQUEST TO WAIVE SECTION 16.116(C)(6) WHICH PROHIBITS GRADING OR REMOVAL OF VEGETATION WITHIN 25 FEET OF A WETLAND.
  - b) THE WAIVER APPLIES TO THE FIRST SDP'S ON CURRENTLY UNDEVELOPED SITES WITHOUT APPROVED SDP'S AND NOT TO SUBSEQUENT EXPANSIONS OF USE ON ANY PARCEL WITHIN 25 FEET OF A WETLAND.
  - c) THE PREVIOUS MASS GRADING PLAN FOR PARCELS J-1 AND L (GP-96-156) DID NOT CONSTITUTE A SITE DEVELOPMENT PLAN THUS ALLOWING THIS PLAN TO DISTURB THE WETLANDS BUFFER.
- 32. NOTES ON WP-96-108:
  - AS OF MAY 1, 1996, THE PLANNING DIRECTOR GRANTED APPROVAL TO THE REQUEST TO WAIVE SECTION 16.155(A)(2) WHICH REQUIRES AN APPROVED SITE DEVELOPMENT PLAN FOR GRADING ANG CONSTRUCTION OF A BUILDING ON AN INDUSTRIAL PARCEL SUBJECT TO THE FOLLOWING:
  - a) A SIGNATURE APPROVAL FROM THE HOWARD SOIL CONSERVATION DISTRICT IS OBTAINED, AND
  - b) GRADING CANNOT OCCUR IN THE WETLANDS.
- A WETLAND PERMIT HAS BEEN APPROVED FOR THIS PROJECT UNDER AUTHORIZATION No. 96-NT-0507/199664096, AUTHORIZED WORK INVOLVES GRADING, EXCAVATION AND FILL FOR THE CONSTRUCTION OF THE INFRASTRUCTURE INCLUDING ACCESS ROAD AND PARKING LOT. APPROVAL IS EFFECTIVE FROM JULY 30, 1996 TO JULY 30, 1999.



28.0'

12199

WATER CODE

DATE NO. REVISION OWNER / DEVELOPER SECURITY CAPITAL INDUSTRIAL TRUST 14100 EAST 35TH PLACE AURORA, COLORADO BOOII (303) 375-9292

MEADOWRIDGE BUSINESS PARK PARCEL J-2 A WAREHOUSE BUILDING TAX MAP NO. 37 PARCEL J-2 1st ELECTION DISTRICT ZONED M-1

HOWARD COUNTY, MARYLAND

TITLE SHEET

12.13.96

Will auun

ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282

MEADOWRIDGE BUSINESS PARK J-2 6012 M-122 2153000 JAYKANT D. PAREKH #19148

SCALE : AS SHOWN DRAWING NO. 1 OF 8

SDP-96-135

GP-96-156 F-89-163

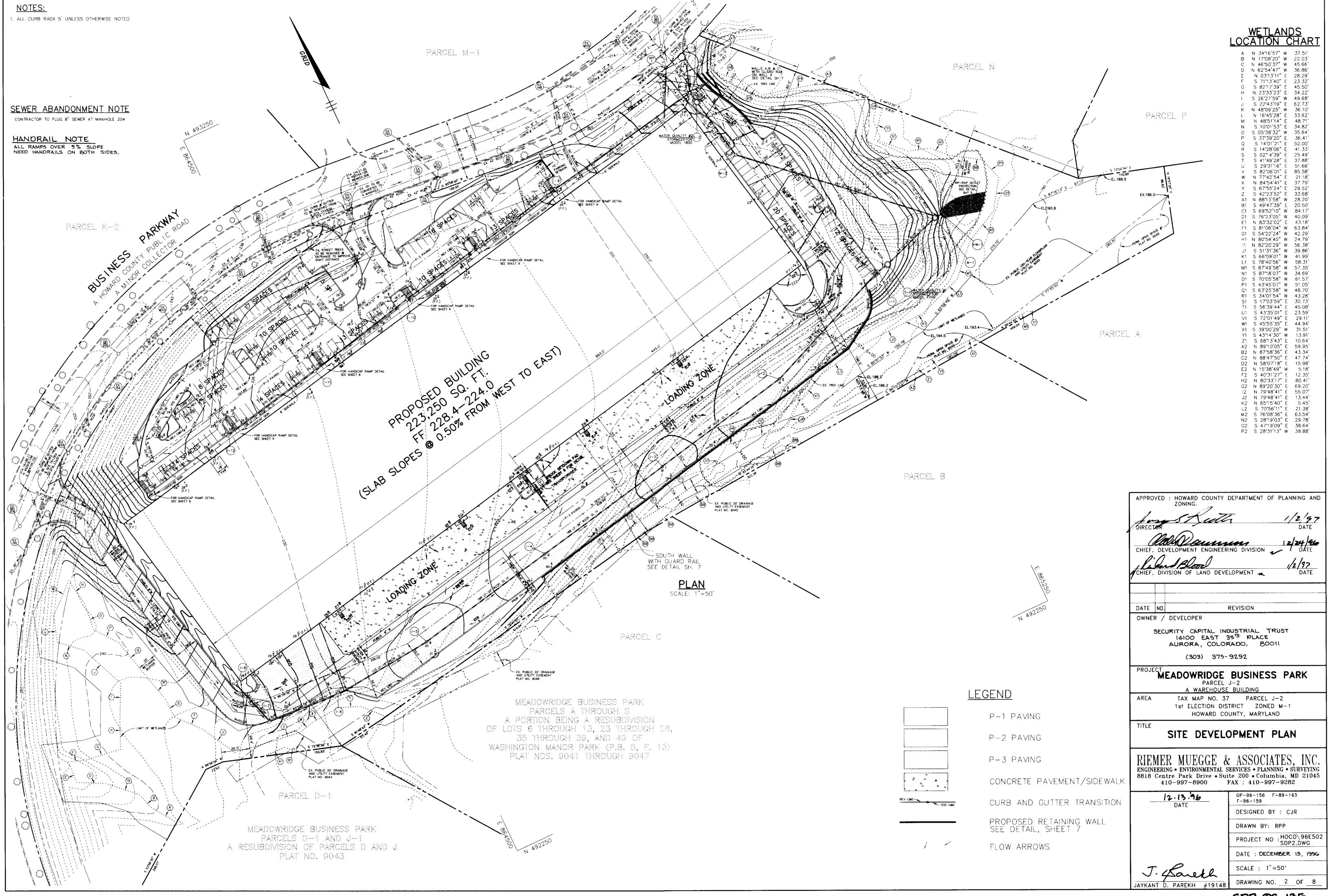
PROJECT NO : HOCO 96E50

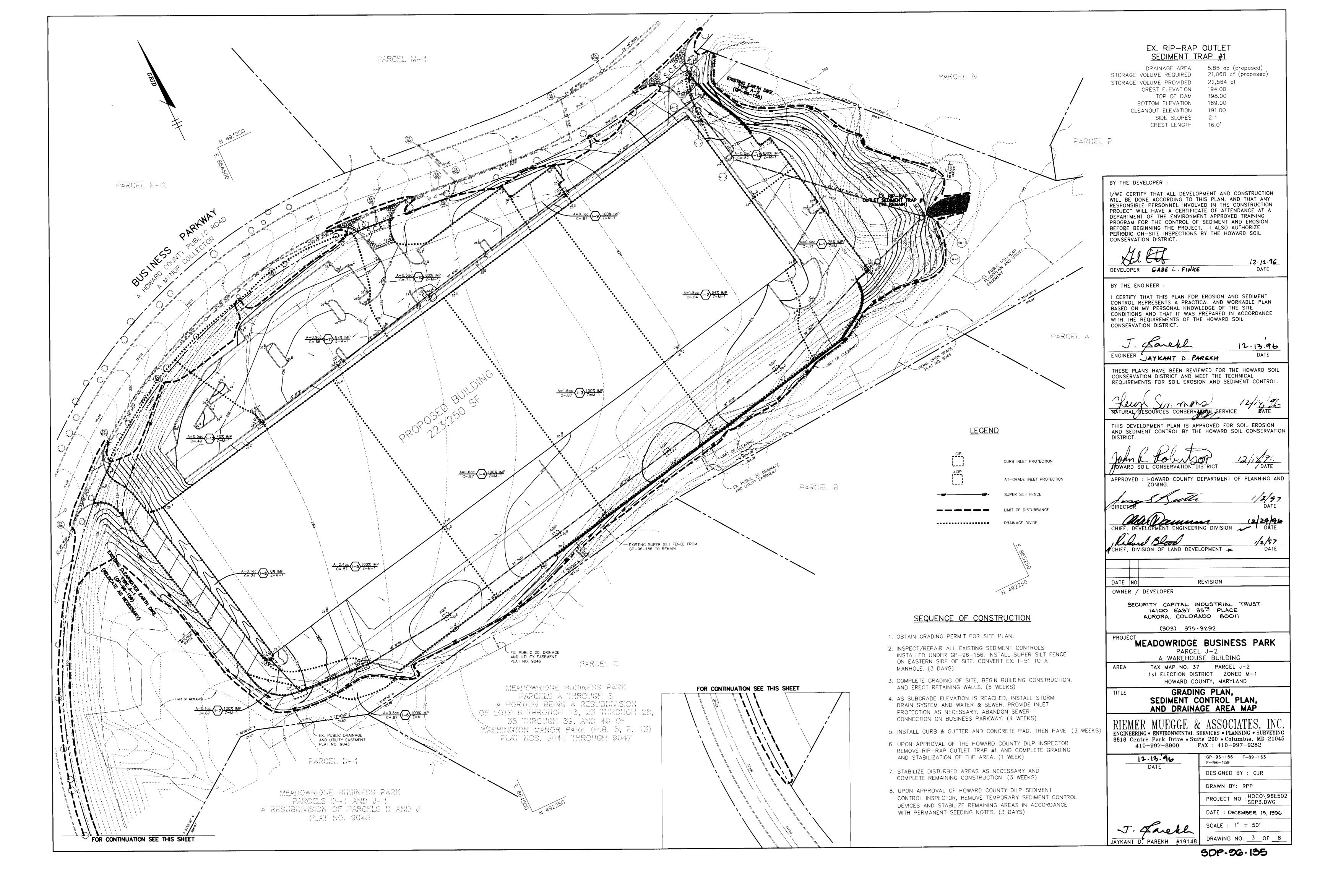
DATE : DECEMBER 13, 1996

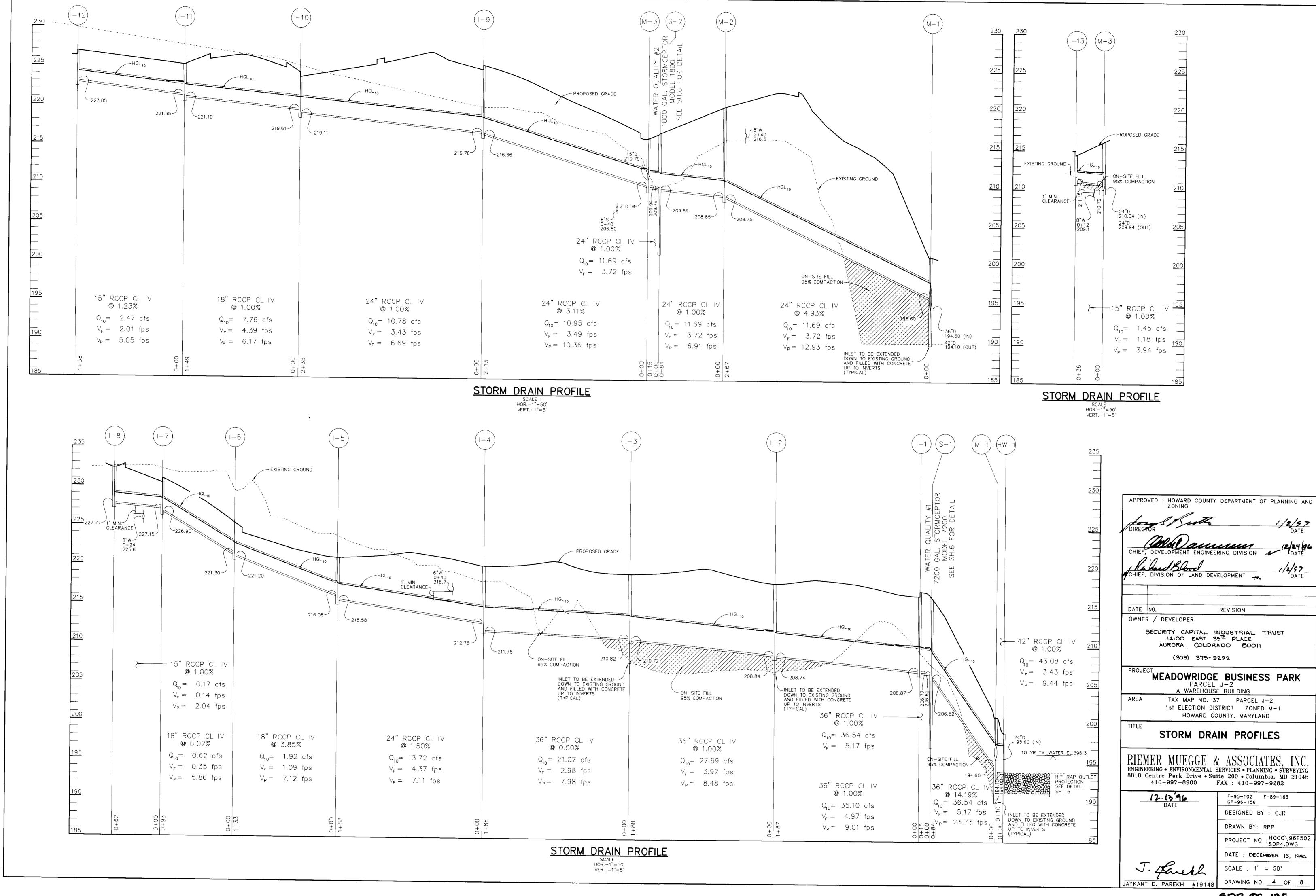
DESIGNED BY : CJR

DRAWN BY : RPP

F-96-159







### SEDIMENT CONTROL NOTES

- 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- 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 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL, AND REVISIONS THERETO.
- 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 AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE 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 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL FOR PERMANENT SEEDINGS (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONG 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:

ELEVATION SHOWN ON THE PLANS.

BY THE INSPECTION AGENCY IS MADE.

TOTAL AREA OF SITE	16.40	ACRES
AREA DISTURBED	12.20	ACRES
AREA TO BE ROOFED OR PAVED	9.41	ACRES
AREA TO BE VEGETATIVELY STABILIZED	2.79	ACRES
TOTAL CUT	20,000	CU.YDS.
TOTAL FILL	20,000	CU.YDS.

- 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 CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- 11. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT
- 12. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE

CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY

- AFFECT THE WORK. 13. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 AC., 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
- 14. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

## 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, if not previously

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 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 sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 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 (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 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.

## 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, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules

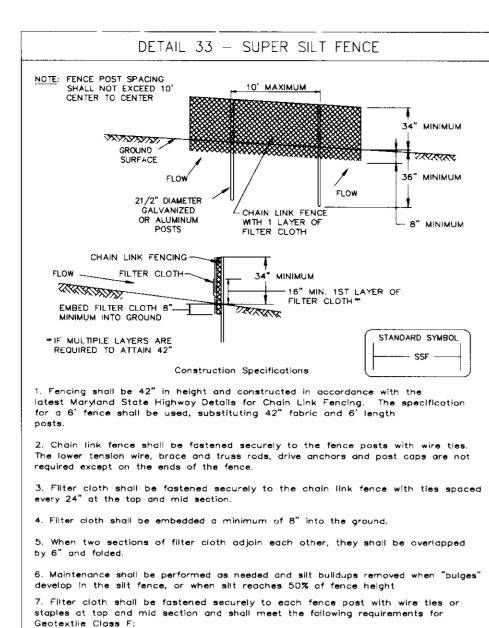
- 1) Preferred Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.).
- 2) Acceptable Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 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 (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following

- 1) 2 tons per acre of well—anchored mulch straw and seed as soon as possible in the spring.
- Use sod.
- 3) Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 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 (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs. replacements and reseedings.



50 lbs/in (min.)

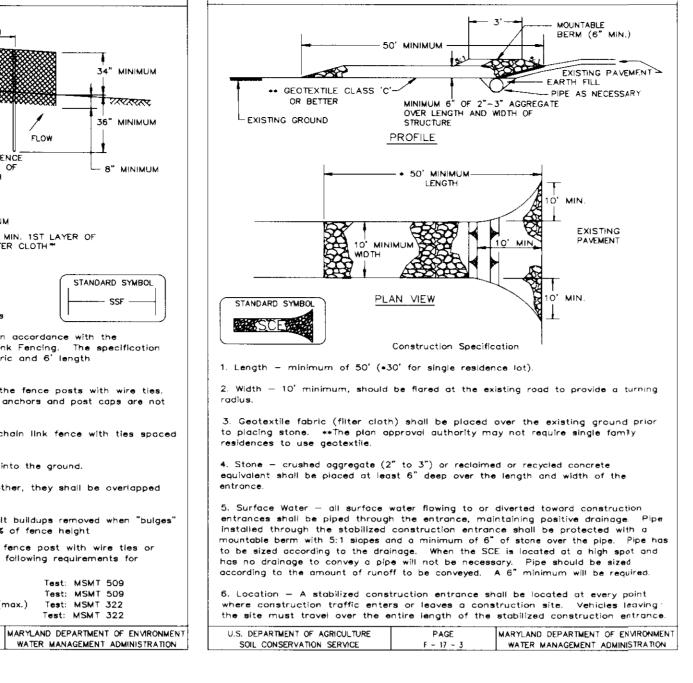
20 lbs/in (min.)

Tensile Strength

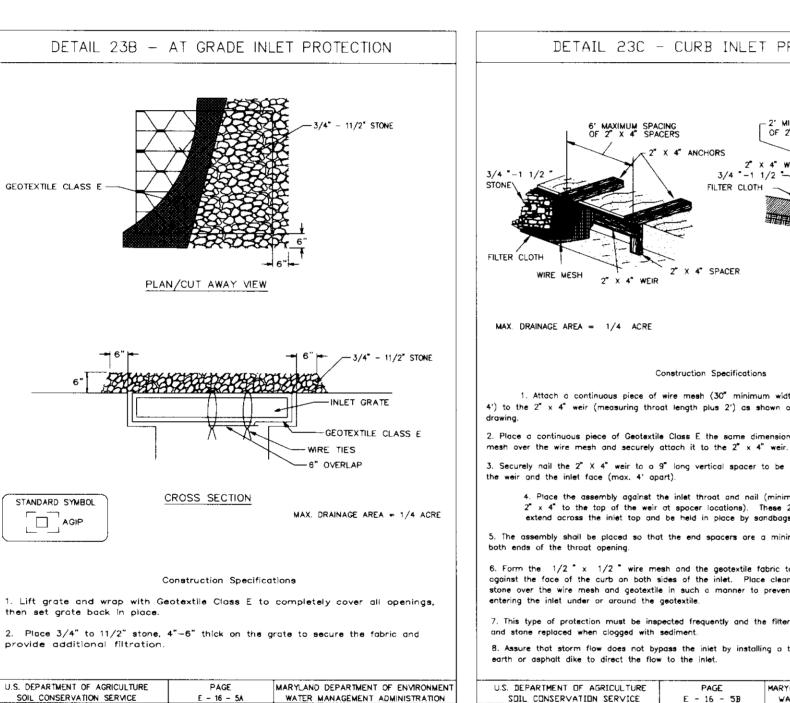
Tensile Modulus

U.S. DEPARTMENT OF AGRICULTURE

Filtering Efficiency 75% (min.)



DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

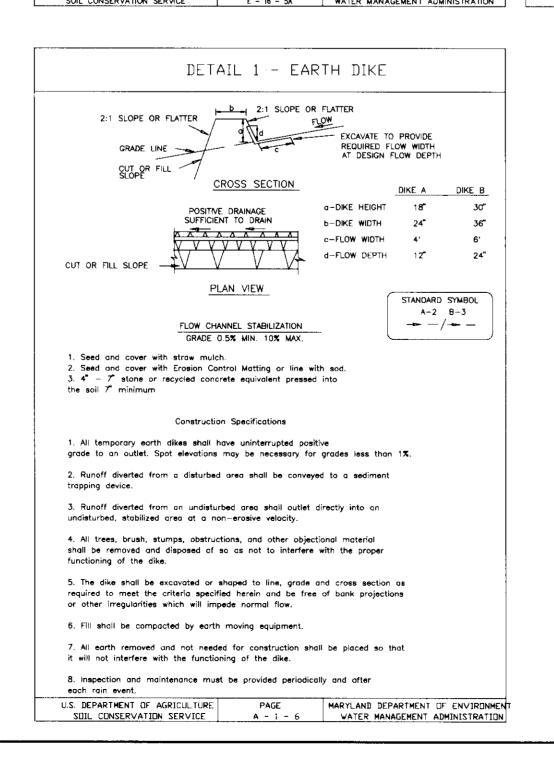


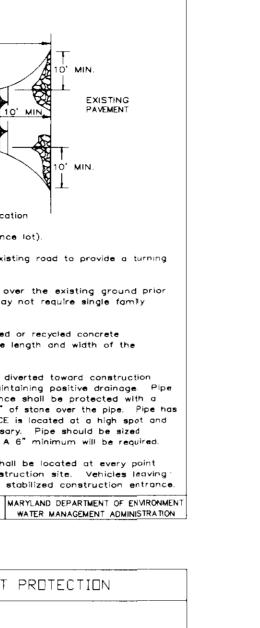
Test: MSMT 509

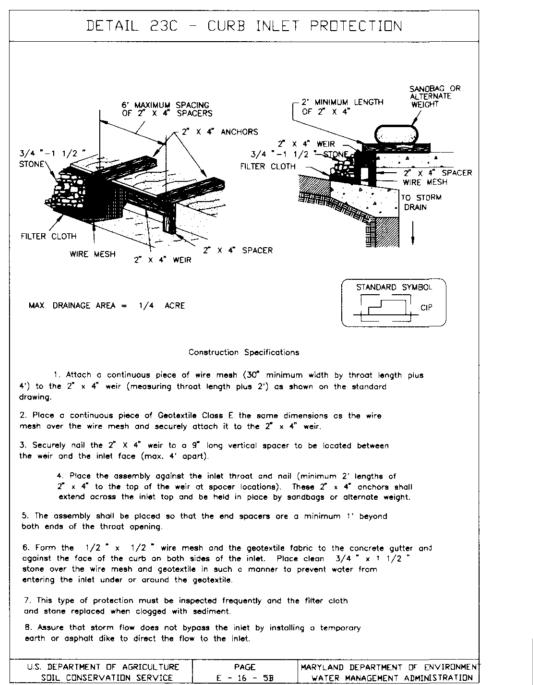
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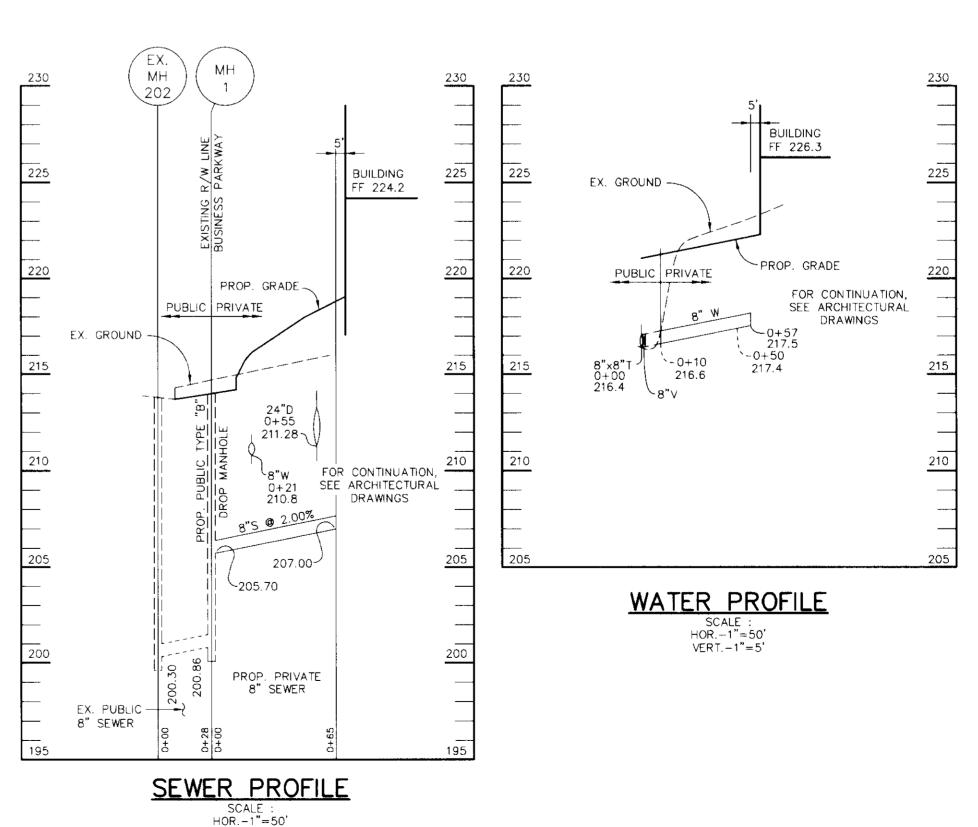
Test: MSMT 322

0.3 gal/ft /minute (max.) Test: MSMT 322





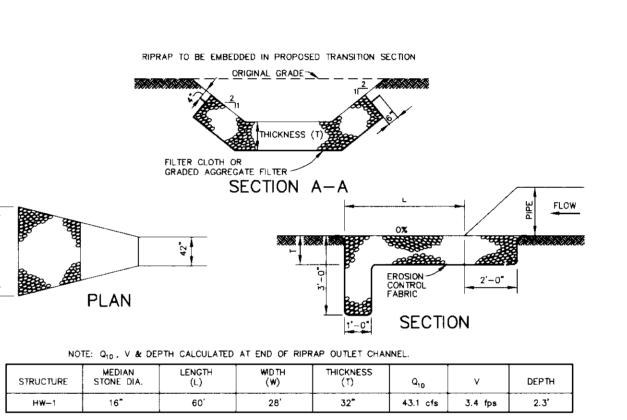




# STORM DRAIN STRUCTURE SCHEDULE

#### \* - TOP OF GRATE ELEVATION

<u>NO.</u>	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I — 1	A-5	Ç STA 3+91.01, 50.1'L	206.87	206.77	217.1	HOCO STD. DETAIL SD 4.01
1-2	MOD.5'x5' S W/ RET. GRATE	Q STA 5+45.17, 12.5'L	208.84	208.74	218.0	HOCO STD. DETAIL SD 4.22/4.93
1-3	MOD.5'x5' S W/ RET. GRATE	φ STA 7+32.68, 12.5'L	210.82	210.72	219.1	HOCO STD. DETAIL SD 4.22/4.93
<del></del> 4	MOD.5'x5' S W/ RET. GRATE	© STA 9+20.13, 12.5'L	213.70	212.70	220.0	HOCO STD. DETAIL SD 4.22/4.93
1-5	S W/RET. GRATE	C <sub>L</sub> STA 11+07.63, 12.5'L	216.08	215.58	220.9	HOCO STD. DETAIL SD 4.22/4.93
1-6	A-10	Q STA 12+36.56, 28.2'L	221.30	221.20	225.3	HOCO STD. DETAIL SD 4.02
I-7	A-5	Ç STA 13+29.47, 28.0'L	227.15	226.90	231.0	HOCO STD. DETAIL SD 4.01
1-8	D	@ STA 13+77.19, 21.3'R	_	227.77	232.3	HOCO STD. DETAIL SD 4.11
I-9	A-5	Q_STA 0+08.63, 27.7'L	216.76	216.66	225.4	HOCO STD. DETAIL SD 4.01
I- <b>1</b> 0	A-5	Q STA 2+43.28, 27.7'L	219.61	219.11	224.3	HOCO STD. DETAIL SD 4.01
I <b>-</b> 11	A-5	Q STA 3+92.45, 31.5'L	221.35	221.10	225.2	HOCO STD. DETAIL SD 4.01
I <b>-1</b> 2	A-5	Q STA 5+30.26, 31.5'L	-	223.05	226.9	HOCO STD. DETAIL SD 4.01
-13	S-COMB W/ RET. GRATE	Q STA 0+54.46, 13.4'L	-	211.15	214.5*	HOCO STD. DETAIL SD 4.32/4.93
M-1	72" DIA MH	Q STA 3+71.24, 138.6'L	195.60(24") 194.60(36")	194.10	201.0	MSHA STD. DETAIL MD-384.05
M-2	4' DIA MH	© STA 1+85.54, 23.0'R	208.41	208.31	220.5	HOCO STD. DETAIL G 5.01
M-3	4' DIA MH	© STA 0+84.31, 5.7'R	210.79(15") 210.04(24")	209.94	216.1	HOCO STD. DETAIL G 5.01
S-1	STORMCEPTOR MODEL 7200 W/44" INSERT	Q STA 3+86.69, 63.3'L	206.62	206.51	216.3	SEE DETAIL, SHT 6
S-2	STORMCEPTOR MODEL 1800 W/22" INSERT	Ç STA 0+98.45, 7.9'R	209.79	209.69	216.9	SEE DETAIL, SHT 6
HW-1	TYPE 'A'	SEE PLAN	194.00		-	HOCO STD. DETAIL SD 5.11



RIPRAP OUTLET PROTECTION DETAIL

BY THE DEVELOPER : 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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT. 12.12.96 DEVELOPER GABE L. FINKE BY THE ENGINEER : 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. 12.13.96 ENGINEER JAYKANT D. PAREKH THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL. MATURAL RESOURCES CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. OWARD SOIL CONSERVATION DISTRICT APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND :HIEF, DIVISION OF LAND DEVELOPMENT 🛺 DATE NO. REVISION OWNER / DEVELOPER SECURITY CAPITAL INDUSTRIAL TRUST 14100 EAST 35TH PLACE AURORA, COLORADO 80011 (303) 375-9292 MEADOWRIDGE BUSINESS PARK PARCEL J-2 A WAREHOUSE BUILDING TAX MAP NO. 37 PARCEL J-2 1st ELECTION DISTRICT ZONED M-1 HOWARD COUNTY, MARYLAND

> PROJECT NO :HOCO\96E502 SDP5.DWG DATE : DECEMBER 13, 1996

SCALE : AS SHOWN

GP-96-156 F-89-163

DESIGNED BY : CJR

DRAWN BY: RPP

FAX: 410-997-9282

PROFILES,

ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING

8818 Centre Park Drive • Suite 200 • Columbia, MD 21045

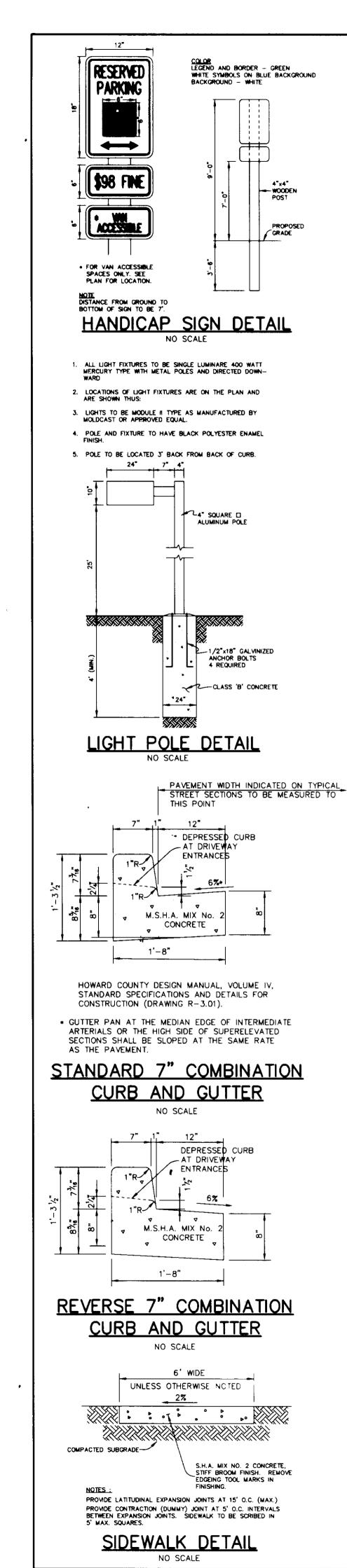
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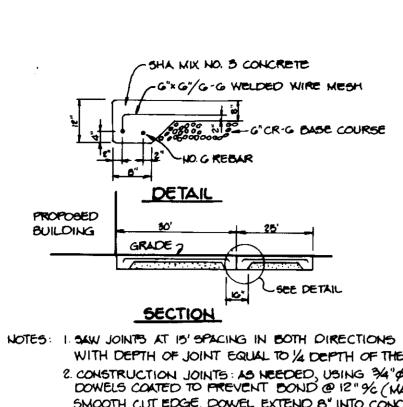
J. Lareth

NOTES, AND DETAILS

DRAWING NO. 5 OF 8

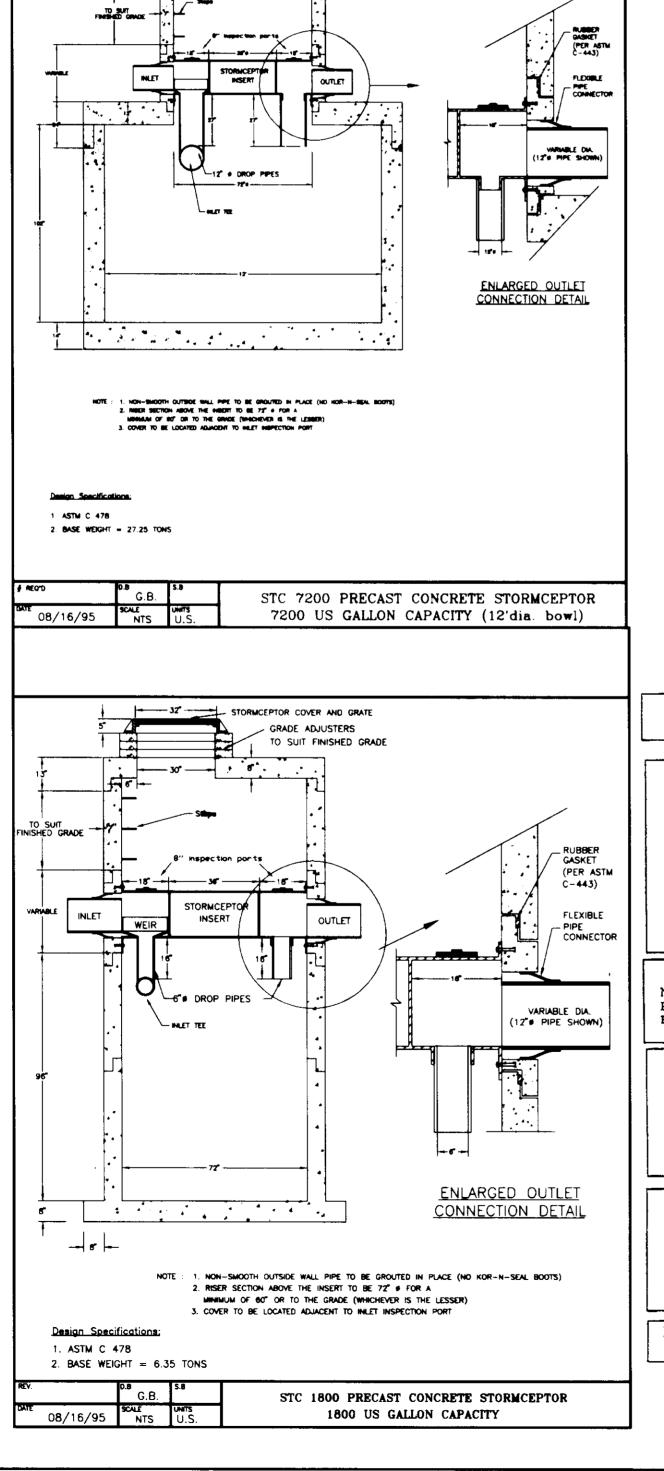


PROPOSED



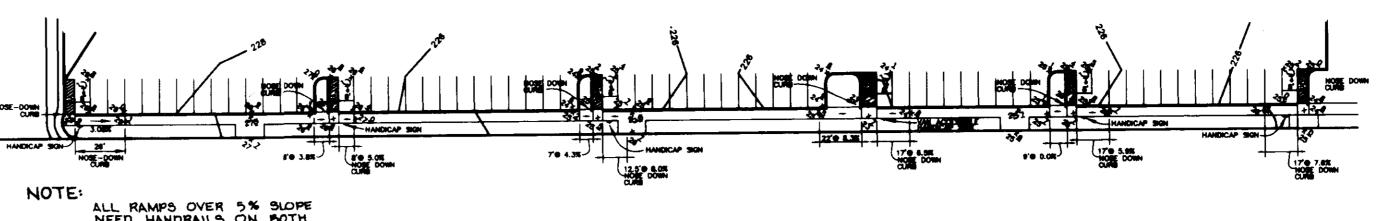
WITH DEPTH OF JOINT EQUAL TO 1/4 DEPTH OF THE SLAB. 2. CONSTRUCTION JOINTS: AS NEEDED, USING 34" & SMOOTH DOWELS COATED TO PREVENT BOND @ 12" 96 (MAX.) WITH SMOOTH CUT EDGE. DOWEL EXTEND 8" INTO CONCRETE ON EACH SIDE OF JOINT.

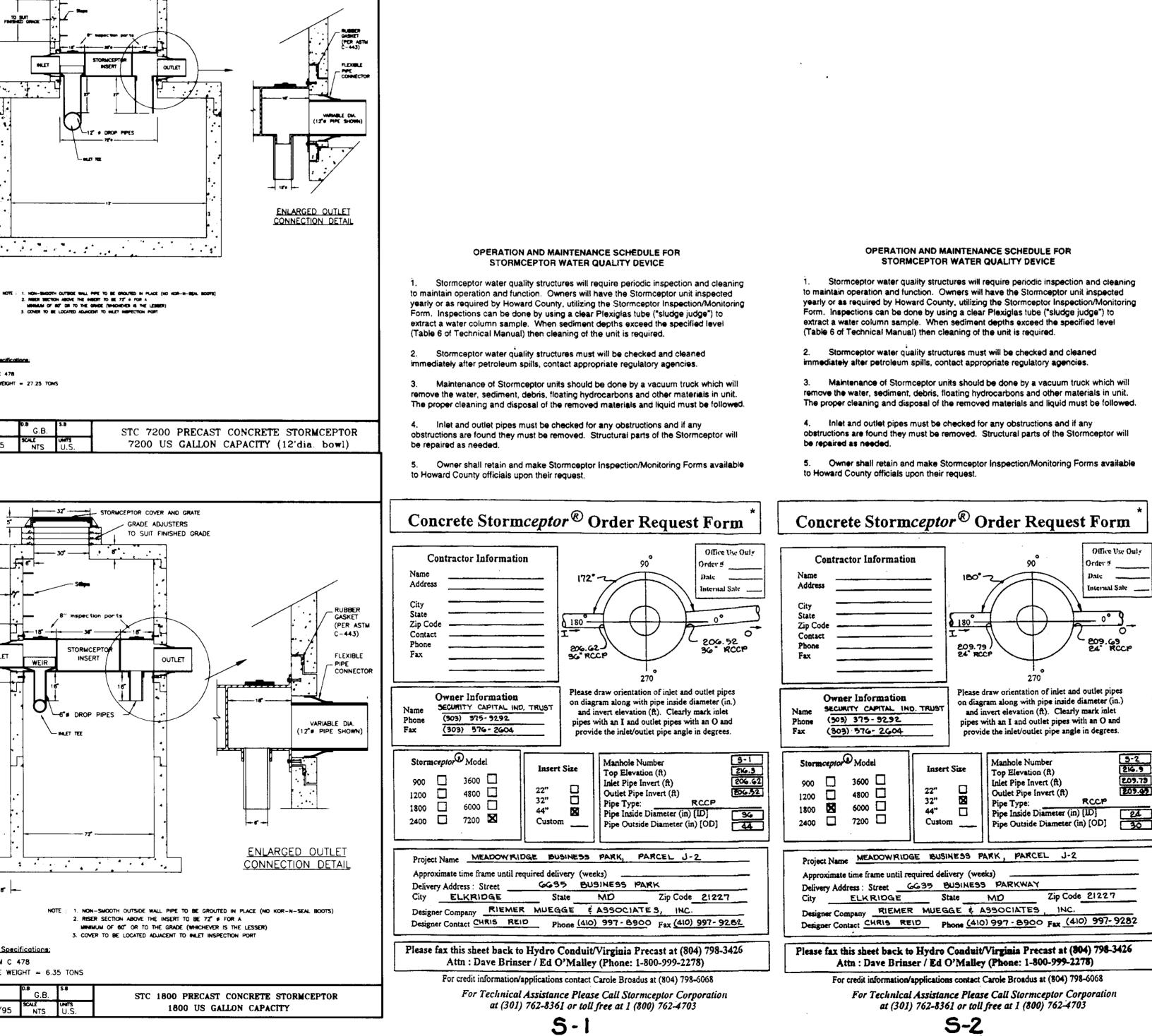
CONCRETE SECTION FOR TRUCKING LOADING AREA



ALL RAMPS OVER 5% SLOPE NEED HANDRAILS ON BOTH

HANDICAP RAMP DETAIL



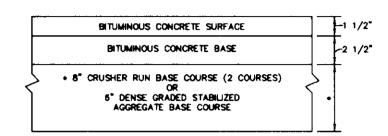


BITUMINOUS CONCRETE SURFACE BITUMINOUS CONCRETE BASE . 6" CRUSHER RUN BASE COURSE OR
4 1/2" DENSE GRADED STABILIZED
AGGREGATE BASE COURSE (ALTERNATE)

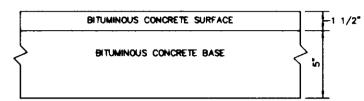
BITUMINOUS CONCRETE SURFACE BITUMINOUS CONCRETE BASE BITUMINOUS CONCRETE BASE

HOWARD COUNTY DESIGN MANUAL VOLUME IV-STANDARD SPECIFICATIONS AND DETAILS FOR CONSTUCTION (DRAWING R-2.01)

# P-3 PAVING



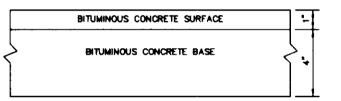
(ALTERNATE)



HOWARD COUNTY DESIGN MANUAL VOLUME IV-STANDARD SPECIFICATIONS AND DETAILS FOR CONSTUCTION (DRAWING R-2.01)

BITUMINOUS CONCRETE SURFACE	
BITUMINOUS CONCRETE BASE	2.
5" CRUSHER RUN BASE COURSE OR 4" DENSE GRADED STABILIZED AGGREGATE BASE COURSE	7.

(ALTERNATE)



HOWARD COUNTY DESIGN MANUAL VOLUME IV-STANDARD SPECIFICATIONS AND DETAILS FOR CONSTUCTION (DRAWING R-2.01)

## P-1 PAVING

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND Machaemen CHIEF, DEVELOPMENT ENGINEERING DIVISION CHIEF, DIVISION OF LAND DEVELOPMENT DATE NO. REVISION OWNER / DEVELOPER SECURITY CAPITAL INDUSTRIAL TRUST AURORA, COLORADO 80011

> MEADOWRIDGE BUSINESS PARK PARCEL J-2 A WAREHOUSE BUILDING

(303) 375 - 9292

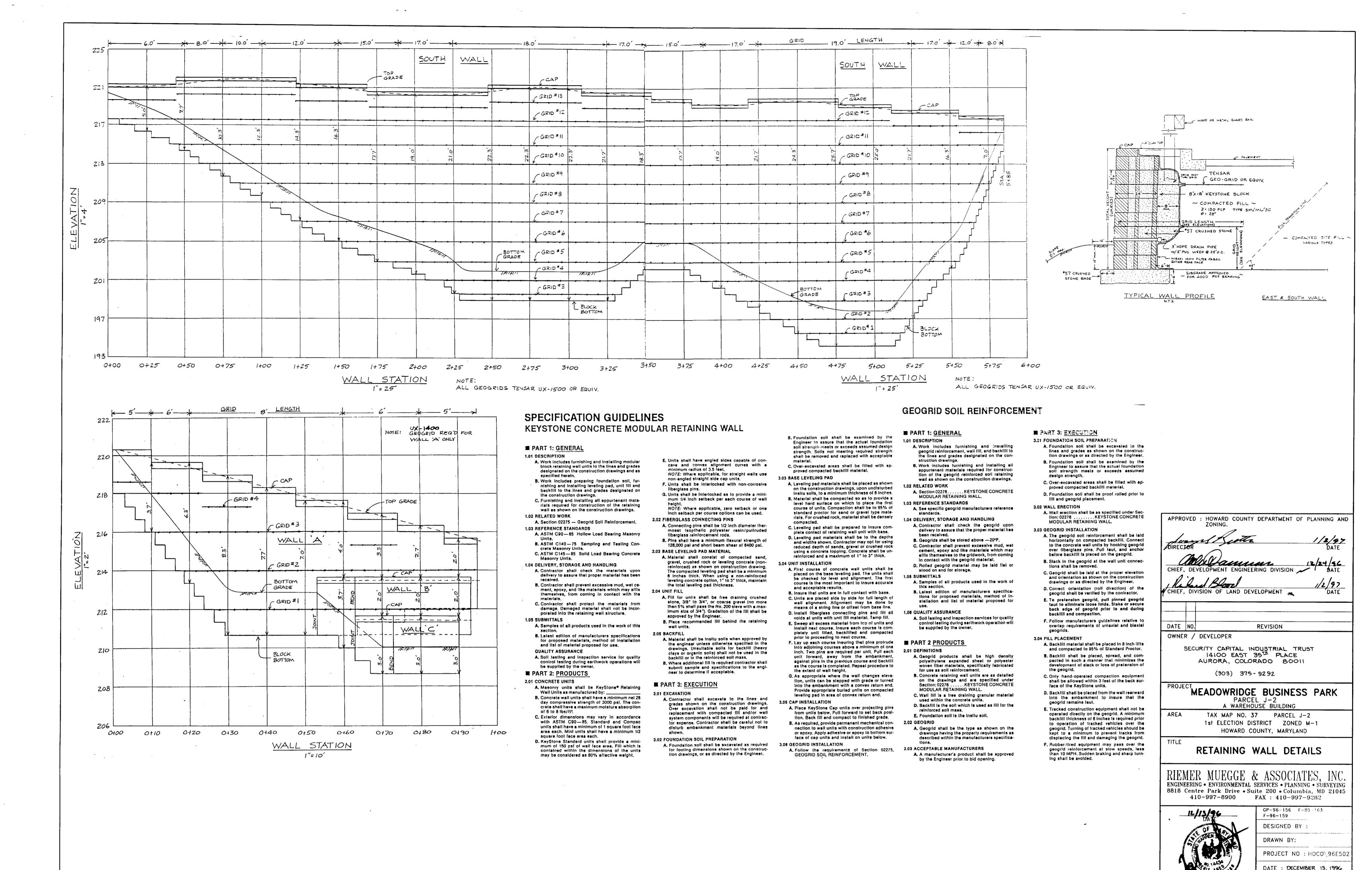
TAX MAP NO. 37 PARCEL J-2 1st ELECTION DISTRICT ZONED M-1 HOWARD COUNTY, MARYLAND

NOTES AND DETAILS

RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SÚRVEYING 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8909 FAX: 410-997-9282

12.13 .96

GP-96-156 F-89-163 F-96-159 DESIGNED BY : CJR DRAWN BY: RPP PROJECT NO :HOCO 96E502 SDP6.DWG DATE : DECEMBER 13, 1996 SCALE : AS SHOWN DRAWING NO. 6 OF 8



Richard W. Sturtevant

SCALE : AS SHOWN

DRAWING NO. 7 OF 8

