

SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
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3	GRADING PLAN, SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP
4	PROFILE SHEET
5	SEDIMENT CONTROL NOTES AND DETAILS
6	NOTES AND DETAILS
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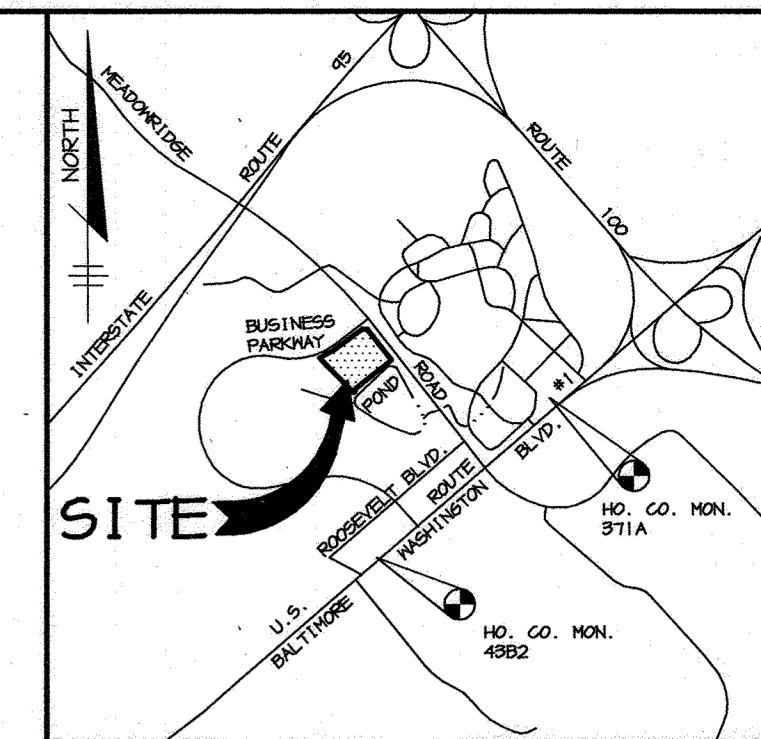
SITE DEVELOPMENT PLAN

MEADOWRIDGE BUSINESS PARK

PARCEL N

1st ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



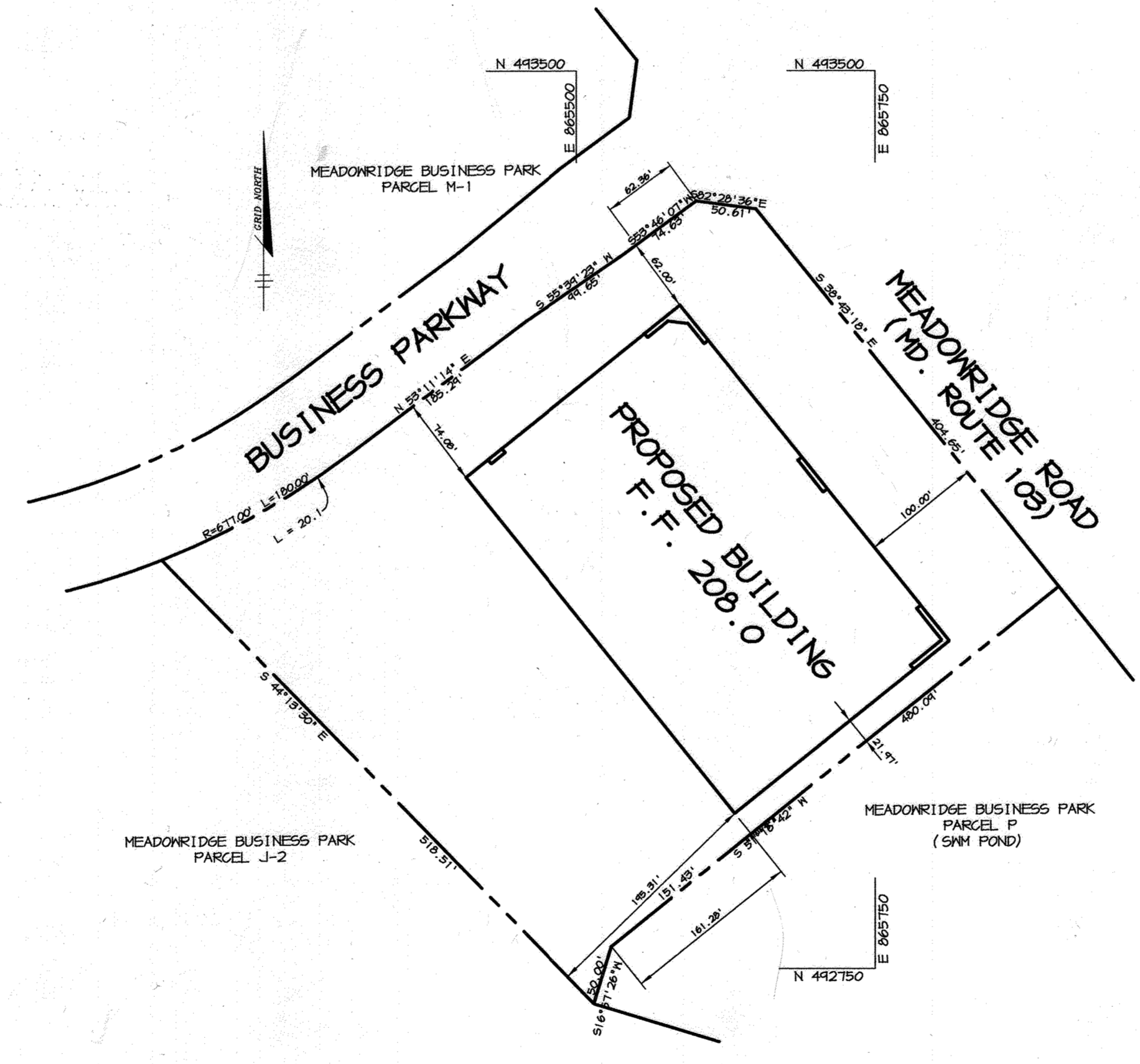
VICINITY MAP
SCALE: 1" = 2000'

BENCHMARKS

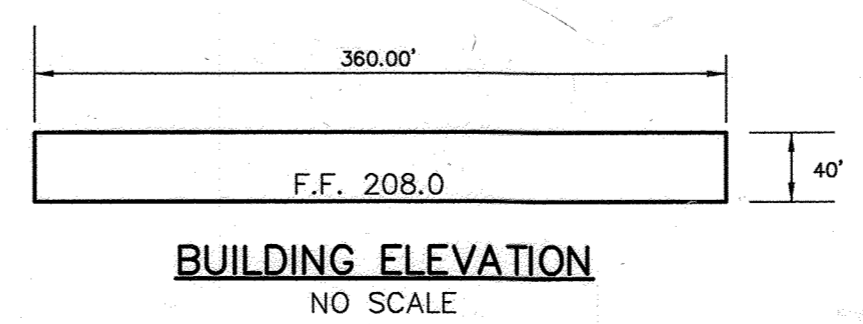
BM 43B2	P.K. NAIL SET IN CURB
N 490,906.0	E 865,758.6
BM 371A	P.K. NAIL SET IN CURB
N 492,566.2	E 867,563.8

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 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.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT 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 CONSISTS OF THE PROPOSED GRADING UNDER GP-96-156, AS WELL AS SUPPLEMENTAL FIELD SURVEY PERFORMED BY RIEMER MUEGGE & ASSOCIATES, INC. IN OCTOBER 1997.
 - 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.
 - WATER IS PUBLIC. CONTRACT NO. 14-1946-D.
 - SEWER IS PUBLIC. SEWER DRAINAGE AREA: PATAPSCO CONTRACT NO. 14-1946-D.
 - THE STORMWATER MANAGEMENT QUANTITY AND WATER QUALITY PROPOSED FOR THIS SITE IS EXISTING UNDER F-89-163. THE FACILITY IS AN EXTENDED DETENTION POND AND IS PRIVATELY MAINTAINED.
 - 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.
 - A 100-YEAR FLOODPLAIN STUDY IS NOT REQUIRED FOR THIS PROJECT.
 - THE WETLANDS DELINEATION FOR THIS PROJECT IS FROM RECORDED PLAT NOS. 9044, 9045 AND 12199. A PERMIT APPLICATION FOR BUFFER DISTURBANCE HAS BEEN SUBMITTED.
 - APFO TRAFFIC STUDY WAS PREPARED BY THE TRAFFIC GROUP INC. AND WAS APPROVED DECEMBER 9, 2002.
 - A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
 - A GEOTECHNICAL STUDY IS NOT REQUIRED FOR THIS PROJECT.
 - THE BOUNDARY FOR THIS PROJECT IS BASED ON PREVIOUSLY RECORDED PLAT NOS. 9044, 9045 AND 12199.
 - SUBJECT PROPERTY ZONED M-1 PER 10-18-93 COMPREHENSIVE ZONING PLAN.
 - ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
 - SEE DEPARTMENT OF PLANNING AND ZONING FILE NOS WP-96-115, GP-96-155, WP-03-24, F-99-146, F-03-118.
 - 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.
 - 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.
 - 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.
 - ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
 - ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T180.
 - THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE IT IS PART OF PLANNED BUSINESS PARK.
 - NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS OR THEIR BUFFERS.
 - THE WETLAND BUFFER INDICATED ON THE PLAT (F-98-146, PLAT NO. 13193) DOES NOT AFFECT THE INITIAL CONSTRUCTION OF THE GRADING, BUILDING, PARKING AND UTILITIES ON A LOT OR PARCEL. IT DOES PROHIBIT SUBSEQUENT CLEARING, GRADING OR CONSTRUCTION IN BUFFERS AREA. MAINTENANCE OF BUILDINGS, PARKING, LANDSCAPING AND UTILITIES IS PERMITTED.
 - NO PERMIT SHALL BE GRANTED BY HOWARD COUNTY FOR ANY TYPE OF CONSTRUCTION WITHIN PARCELS SHOWN ON THE PLAT (F-98-146, PLAT NO. 13193) UNTIL A WETLAND PERMIT IS ISSUED BY THE CORPS OF ENGINEERS AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT OR UNTIL A CERTIFICATE IS SUBMITTED BY THE ENGINEER STATING THAT NO CONSTRUCTION WILL BE ALLOWED WITHIN THE DELINEATED WETLAND.
 - WP-03-24 A WAIVER WAS APPROVED BY THE DEPARTMENT OF PLANNING AND ZONING BY A LETTER DATED OCTOBER 11, 2002 TO WAIVE SECTION 16.156 (k) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS TO REACTIVATE SDP-98-75 WHICH WAS VOIDED BY THE DEPARTMENT OF PLANNING AND ZONING ON DECEMBER 23, 1998.
- APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:
- THE SITE DEVELOPMENT PLAN MUST BE REVISED IN ACCORDANCE WITH THE ATTACHED COMMENTS TO THE LETTER. WITHIN 45 DAYS OF THE DATE OF THE LETTER (BY NOVEMBER 25, 2002), THE DEVELOPER MUST SUBMIT 10 COPIES OF THE REVISED PLAN AND APFO STUDY FOR REVIEW BY THE STATE HIGHWAY ADMINISTRATION, THE HOWARD SOIL CONSERVATION DISTRICT, THE DEVELOPMENT ENGINEERING DIVISION AND THE DEPARTMENT OF PLANNING AND ZONING. SUBSEQUENT TO THE REVIEW AND APPROVAL OF THE PLAN BY THESE AGENCIES, AMENDED DEADLINES FOR THE SUBMISSION OF THE ORIGINAL SITE DEVELOPMENT PLAN WILL BE ESTABLISHED.
 - THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
 - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$4,000.00 FOR 38 SHADE TREES, 5 EVERGREEN TREES AND 101 SHRUBS.



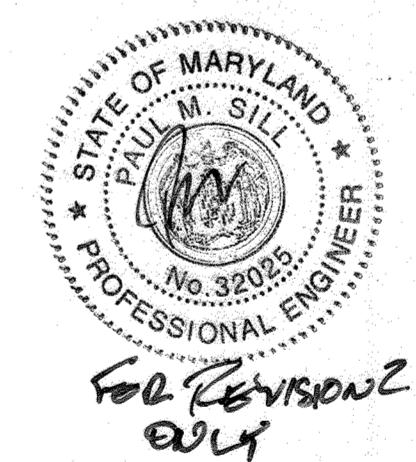
PLAN
SCALE: 1" = 100'



SITE ANALYSIS

AREA OF PARCEL	5.71 ACRES (248,816 SF)
DISTURBED AREA	5.25 ACRES (228,580 SF)
PRESENT ZONING	M-1
PROPOSED USE	OFFICE/WAREHOUSE FACILITY (ONE STORY)
BUILDING COVERAGE	
WAREHOUSE AREA	74,520 SF
OFFICE AREA	8280 SF
TOTAL AREA	82,800 SF (33.3% OF SITE)
# OF PARKING SPACES REQUIRED	
WAREHOUSE AREA	
@ 0.5 SP/1000 SF*	38 SPACES
OFFICE AREA	
@ 3.3 SP/1000 SF*	28 SPACES
TOTAL SPACES	66 SPACES
# OF PARKING SPACES PROVIDED	89 SPACES (INCLUDING 4 HC)
APPLICABLE REFERENCES	GP-96-155, WP-96-115

* PER HOWARD COUNTY ZONING REGULATIONS SECTION 133



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	
<i>John G. Lafferty</i> DIRECTOR, Acting	6/30/03 DATE
<i>Chris Reid</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	6/30/03 DATE
<i>Chris Reid</i> CHIEF, DIVISION OF LAND DEVELOPMENT	6/30/03 DATE
4/25/03 [X] ADDED PROPOSED GENERATOR PAD LOCATION & EX. FEATURES PG 2-3	

DATE	NO.	REVISION

OWNER/DEVELOPER

MALAGA, LLC
7250 PARKWAY DRIVE, SUITE 130
HANOVER, MARYLAND 21076
410-712-4466

PROJECT MEADOWRIDGE BUSINESS PARK
PARCEL N
A WAREHOUSE BUILDING

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

TITLE TITLE SHEET

Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

ADDRESS CHART

PARCEL	STREET ADDRESS
N	6605 BUSINESS PARKWAY

SUBDIVISION NAME: MEADOWRIDGE BUSINESS PARK
SECT./AREA: - PARCEL: N

PLAT # - 13193, 15827 BLOCK # - 22 ZONING - M-1 TAX MAP NO. - 37 ELECT. DIST. - 1st CENSUS TRACT - 6012

WATER CODE - B01 SEWER CODE - 2153000

6-10-03
DATE

DESIGNED BY: CJR

DRAWN BY: DAM

PROJECT NO.: 97320 SDP1.DWG

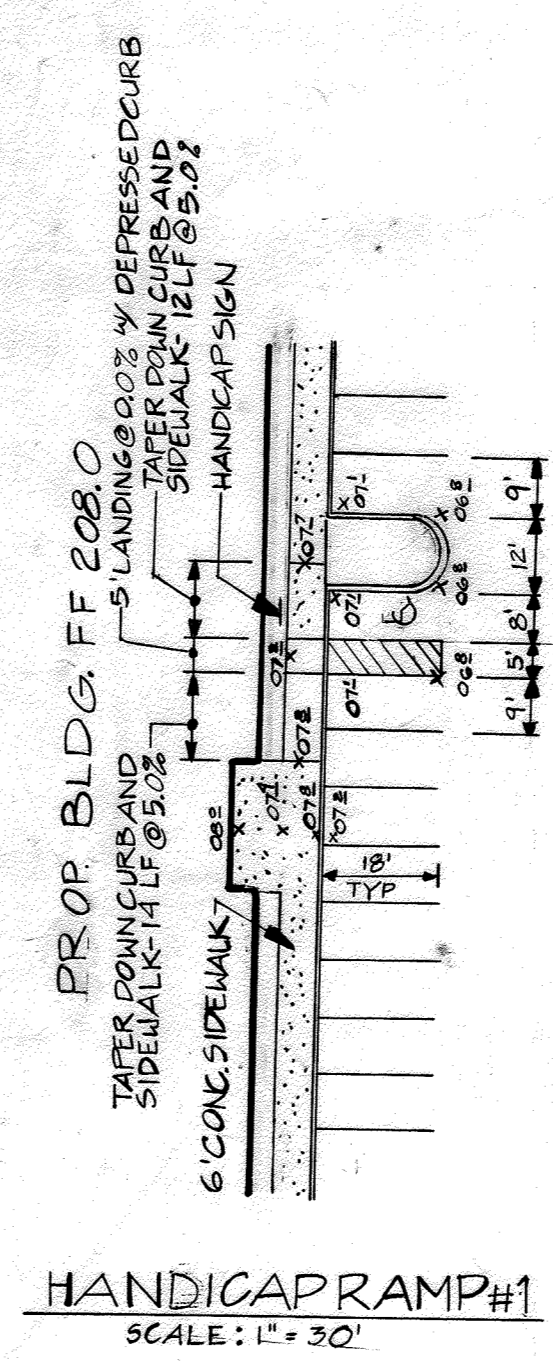
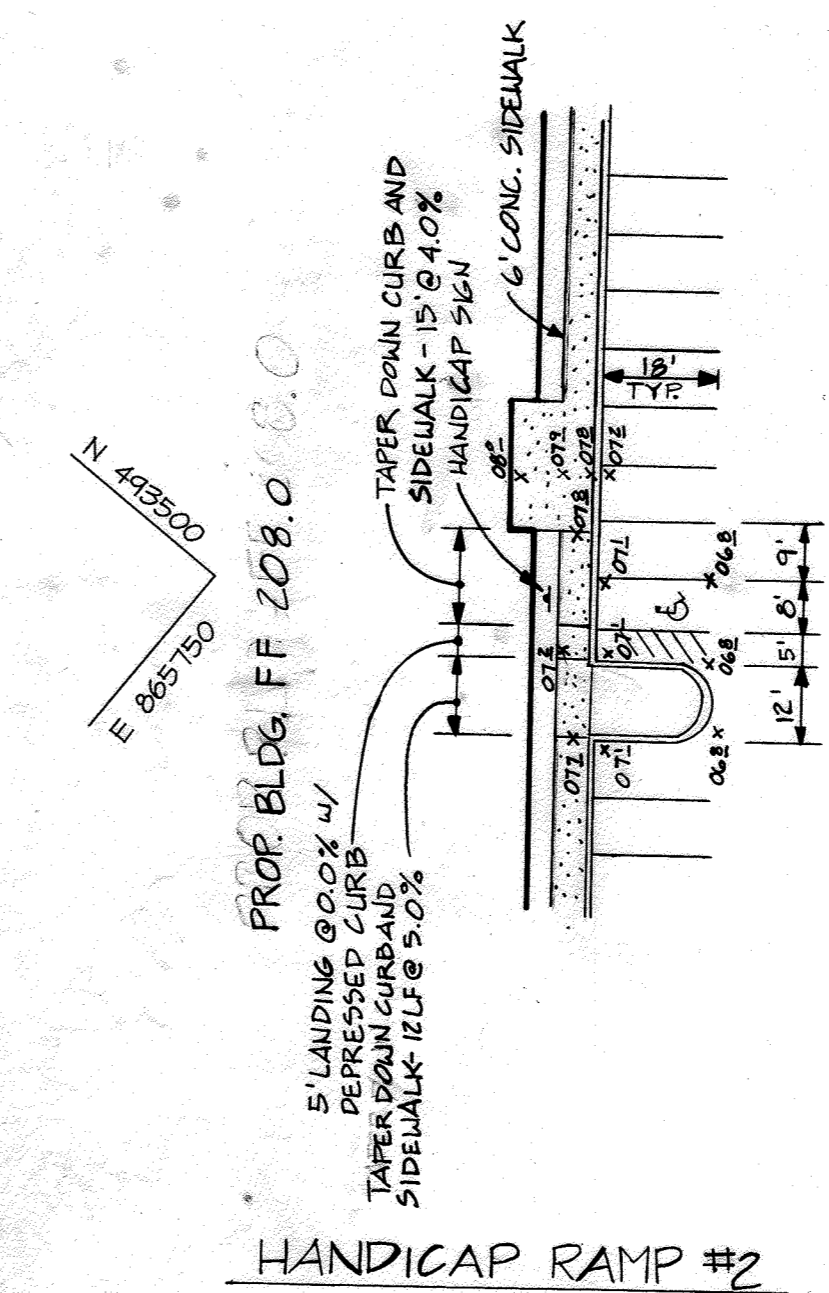
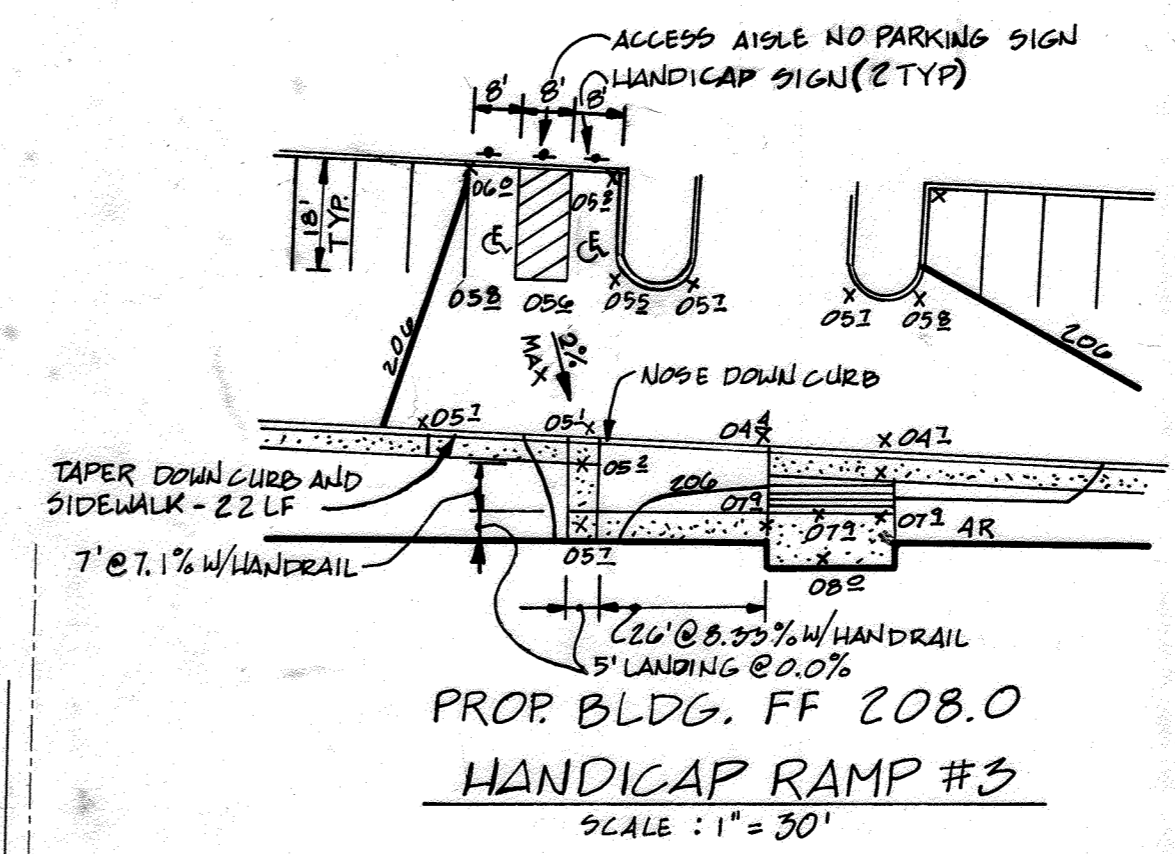
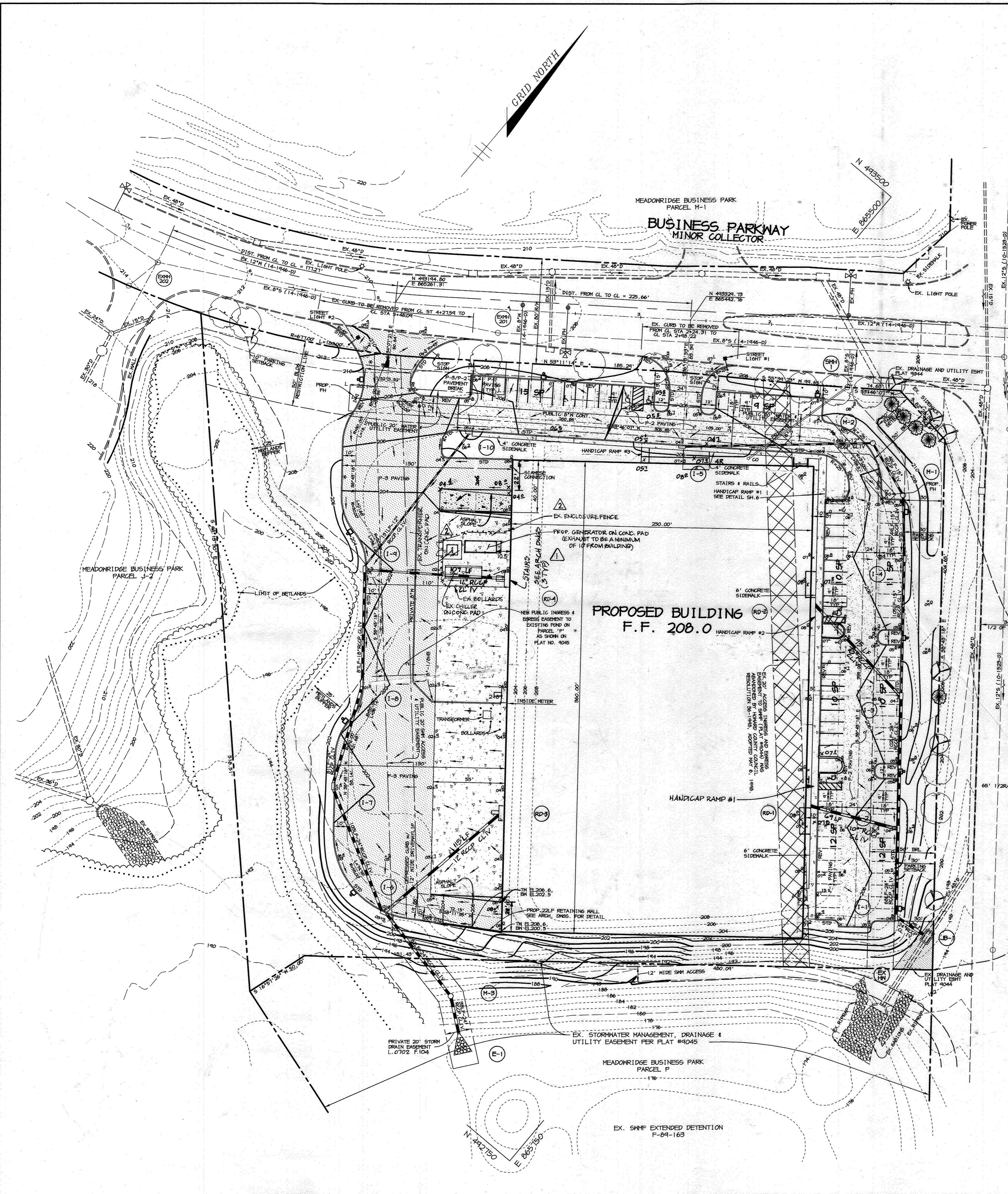
DATE: MAY 30, 2003

SCALE: AS SHOWN

DRAWING NO.: 1 OF 7

CHRISTOPHER J. REID #19949

SDP-98-75



- LEGEND**
- P-1 PAVING (PARKING BAYS)
 - P-2 PAVING (DRIVE LANES)
 - P-3 PAVING (TRUCK ENTRANCE & COURT)
 - CONCRETE SIDEWALK OR CONCRETE TRUCK PAD (SEE DETAIL SHEET 4)
 - STD * REV DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER
 - 25' POLE SQUARE STEEL 400 WATT SHOEBOX METAL HALIDE (SEE NOTE 1)
 - 250 WATT HPS VAPOR PENDANT FIXTURE (SAG) MOUNTED AT 30' ON A BRONZE FIBERGLASS POLE, USING A 12' ARM.
 - V.I.E.R. VEHICULAR INGRESS/EGRESS RESTRICTED

- NOTES:**
1. ALL LIGHTS TO BE DIRECTED/REFLECTED AWAY FROM ADJACENT PUBLIC ROADS AND RESIDENTIALLY ZONED PROPERTIES, AND BE IN ACCORDANCE WITH SECTION 134 OF THE HOWARD COUNTY ZONING REGULATIONS.
 2. ALL CURB RADII ARE 5' UNLESS OTHERWISE LABELED.
 3. ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS OTHERWISE SHOWN.
 4. ALL ON-SITE ROADS ARE PRIVATE.
 5. SEE SHEET 1 FOR BUILDING LOCATION DIMENSIONS.

- STREET LIGHT LOCATION**
- #1 36' LEFT OF STA. 2+30, BUSINESS PARKWAY
 - #2 34' LEFT OF STA. 5+20, BUSINESS PARKWAY ANGLE ARM TO CENTER OF INTERSECTION

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Stacy Lafferty 6/30/03
DIRECTOR DATE

Chris D... 6/30/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cindy... 6/30/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

4/25/04 ADDED PROPOSED GENERATOR PAD LOCATION AND EXISTING FEATURES
4-22-04 RELOCATED BLDG ENTRANCES, ROOF DRAINS, LANDSCAPING

DATE NO. REVISION

OWNER/DEVELOPER
MALAGA, LLC
7250 PARKWAY DRIVE, SUITE 130
HANOVER, MARYLAND 21076
410-712-4466

PROJECT MEADOWRIDGE BUSINESS PARK PARCEL N
A WAREHOUSE BUILDING

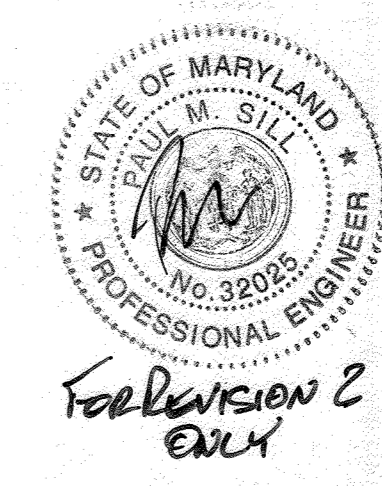
AREA TAX MAP NO. 37 ZONED M-1 PARCEL N
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

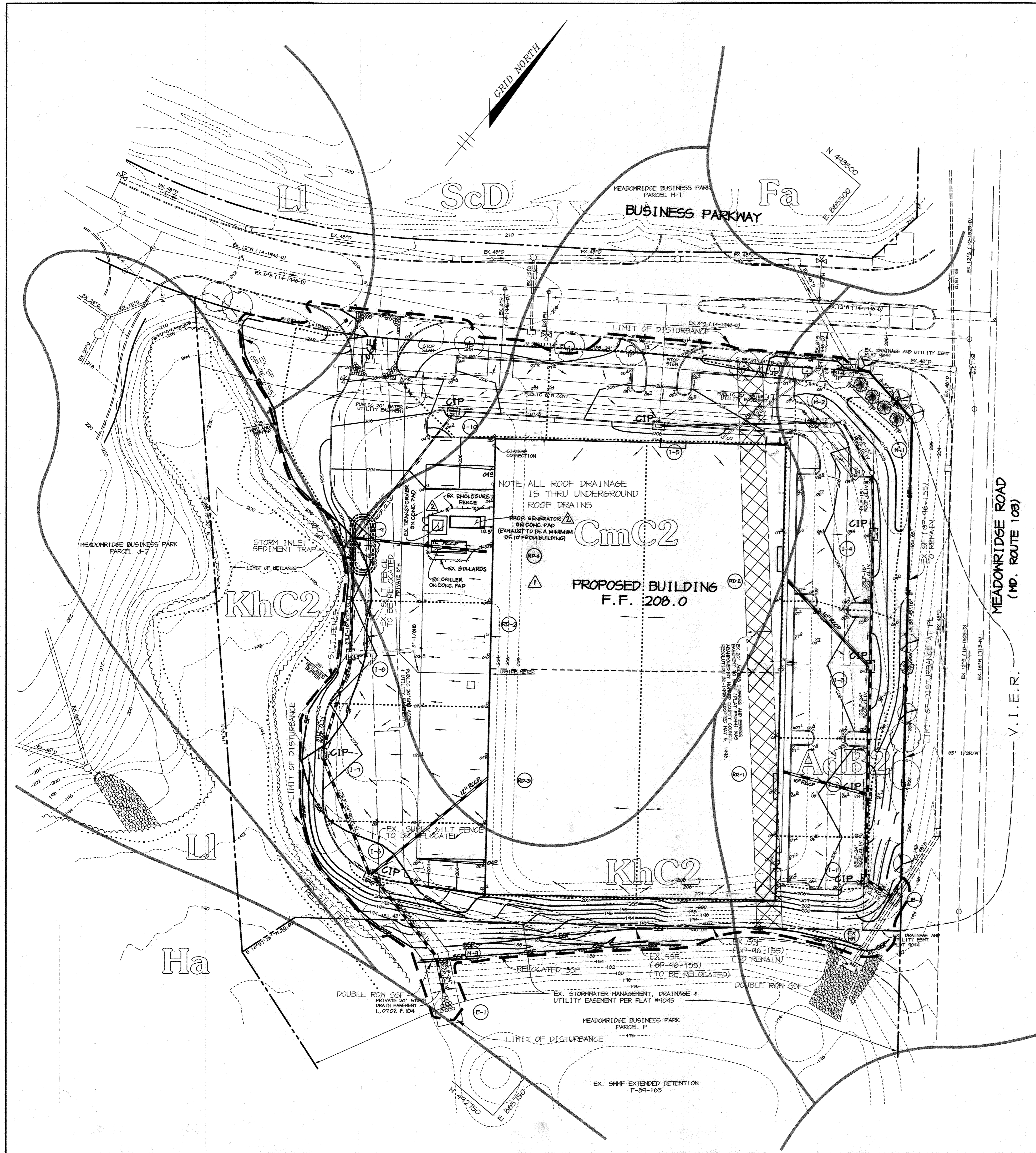
TITLE SITE DEVELOPMENT PLAN

Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

6-16-03
DESIGNED BY: CJR
DRAWN BY: DAM
PROJECT NO: 97320
SDP2.DWG
DATE: MAY 30, 2003
SCALE: 1" = 40'
DRAWING NO. 2 OF 7

CHRISTOPHER J. REID #19949





STORM INLET SEDIMENT TRAP #1 (1-9)

DRAINAGE AREA	0.58 AC.
STORAGE VOLUME REQUIRED	1044 CF (WET/DRY)
STORAGE VOLUME PROVIDED	1044 CF @ 199.8 (NET)=DRAW DOWN DEVICE ELEV.
STORAGE VOLUME PROVIDED	1340 CF @ 201.5 (DRY)
MEIR ELEVATION	201.5
BOTTOM ELEVATION	198.0
CLEANOUT ELEVATION	199.5
SIDE SLOPES	1:1
CREST WIDTH	5'
BOTTOM DIMENSIONS	12' X40'
DEPTH	3.5'

SOIL CHART

SYMBOL	DESCRIPTION
AdB2	ALDINO SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
CmC2	CHILLUM SILT LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED
Fa	FALLSINGTON LOAM
Ha	HATBORO SILT LOAM
KhC2	KEYPORT SLT LOAM, 3 TO 10 PERCENT SLOPES, MODERATELY ERODED
LI	LEONARDTOWN SILT LOAM

DRAINAGE DATA

INLET NOS.	AREA IN ACRES	'C' FACTOR	PERCENT IMPERVIOUS
1	0.07	0.86	100%
2	0.14	0.81	92%
3	0.11	0.76	85%
4	0.33	0.58	57%
5	0.24	0.63	66%
6	0.13	0.86	100%
7	0.27	0.86	100%
8	0.21	0.86	100%
9	0.58	0.71	76%
10	0.18	0.53	50%

* ALL SOILS ARE ASSUMED TYPE 'C' AS THE SITE HAS BEEN MASS GRADED.

- LEGEND**
- CURB INLET PROTECTION
 - SUPER SILT FENCE
 - LIMIT OF DISTURBANCE
 - DRAINAGE AREA DIVIDE
 - TREE PROTECTION FENCE
 - STABILIZED CONSTRUCTION ENTRANCE

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.

Alan C. Perry 6/10/03
DEVELOPER DATE

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.

Chris J. Reid 6.10.03
ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Jim Muzey 6/24/03
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John R. Robertson 6/24/03
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Scott A. Lafferty 6/30/03
DIRECTOR DATE

Chris Dammann 6/25/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Chris Harris 6/24/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

4/25/04 | ADDED PROPOSED GENERATOR PAD LOCATION AND EXISTING FEATURES
4-29-04 | RELOCATED BLDG ENTRANCES, ROOF DRAINS, LOADING RAMP'S

DATE NO. REVISION

OWNER/DEVELOPER

MALAGA, LLC
7250 PARKWAY DRIVE, SUITE 130
HANOVER, MARYLAND 21076
410-712-4466

PROJECT MEADOWRIDGE BUSINESS PARK
PARCEL N
A WAREHOUSE BUILDING

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

TITLE GRADING PLAN,
SEDIMENT CONTROL PLAN,
AND DRAINAGE AREA MAP

Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
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T 410.997.8900
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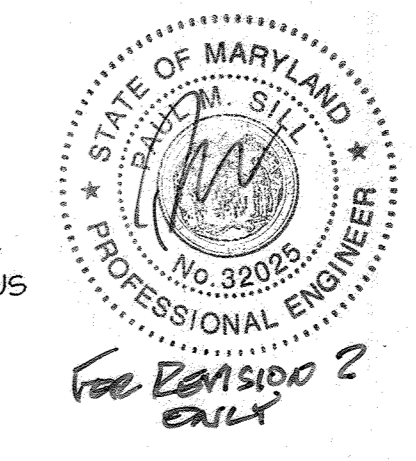
P.H.R.A.

6.10.03
DATE

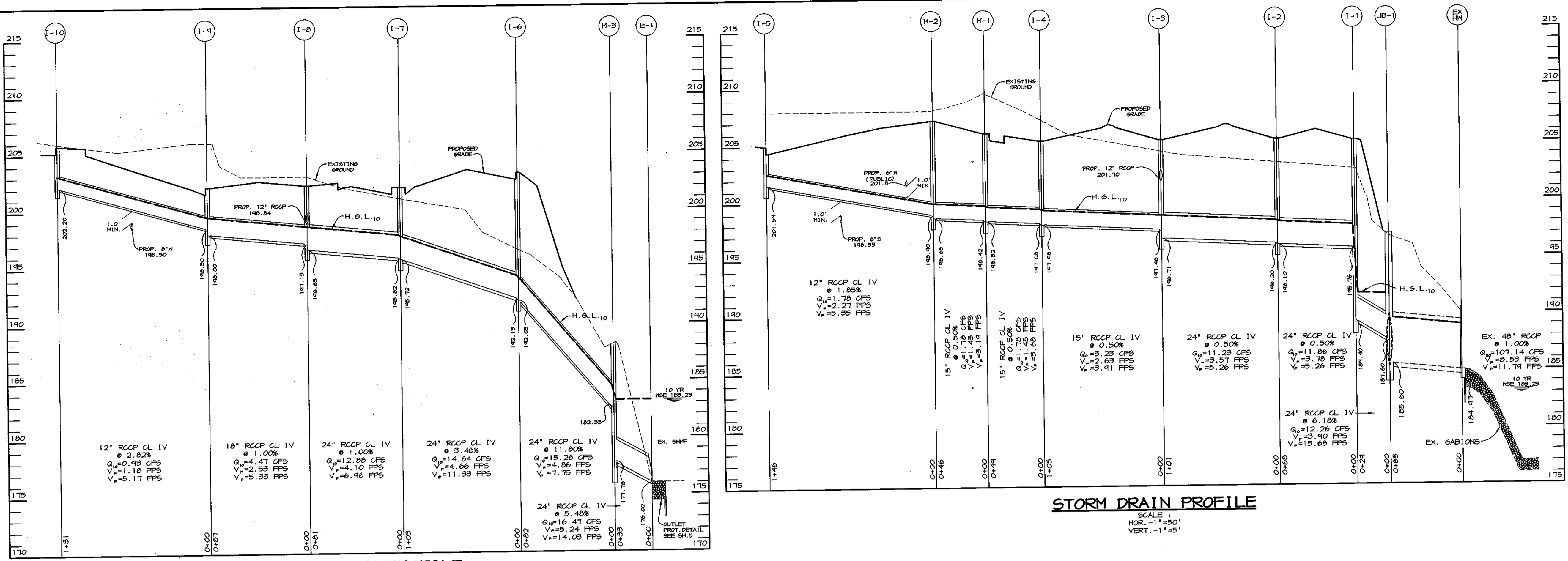
PROFESSIONAL ENGINEER

DESIGNED BY : CJR
DRAWN BY: DAM
PROJECT NO : 97320
SDP3.DWG
DATE : MAY 30, 2003
SCALE : 1" = 40'
DRAWING NO. 3 OF 7

CHRISTOPHER J. REID #19949

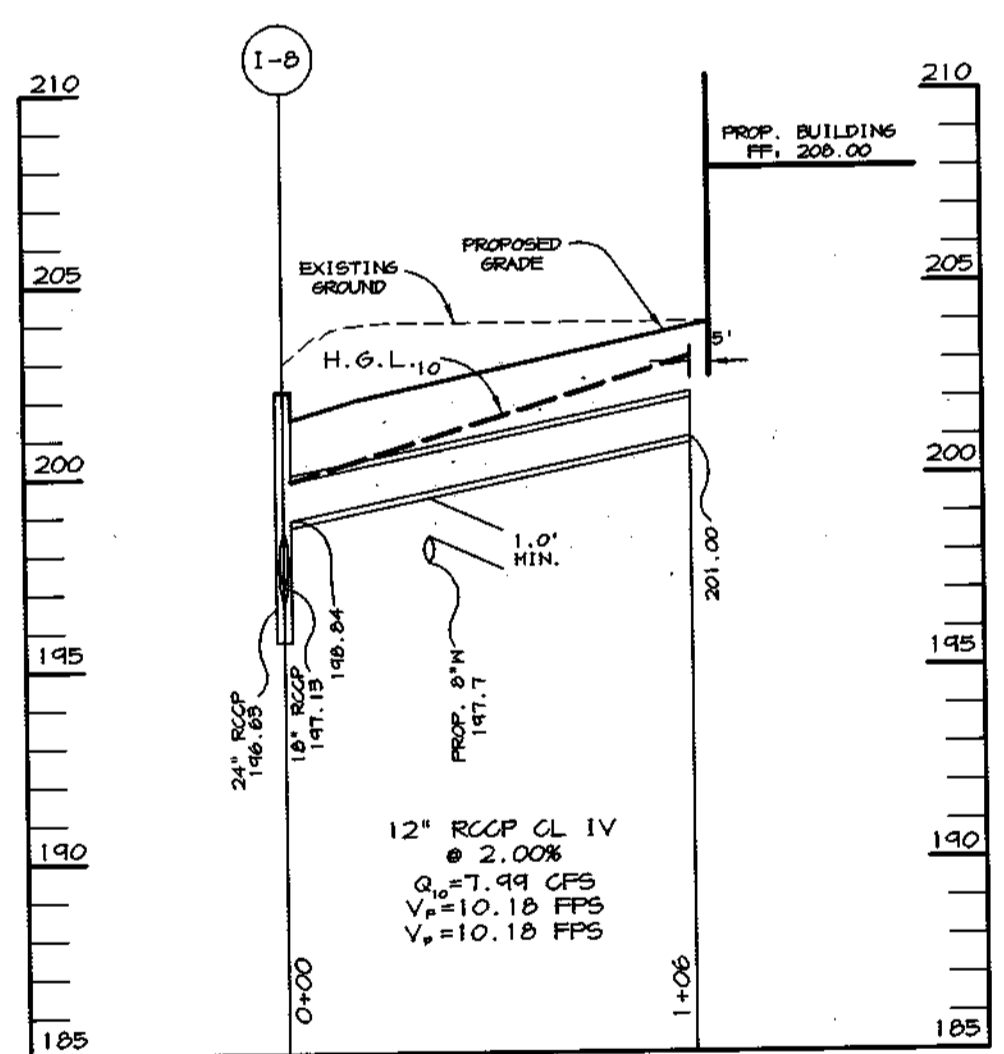


FOR REVISION 2
ONLY

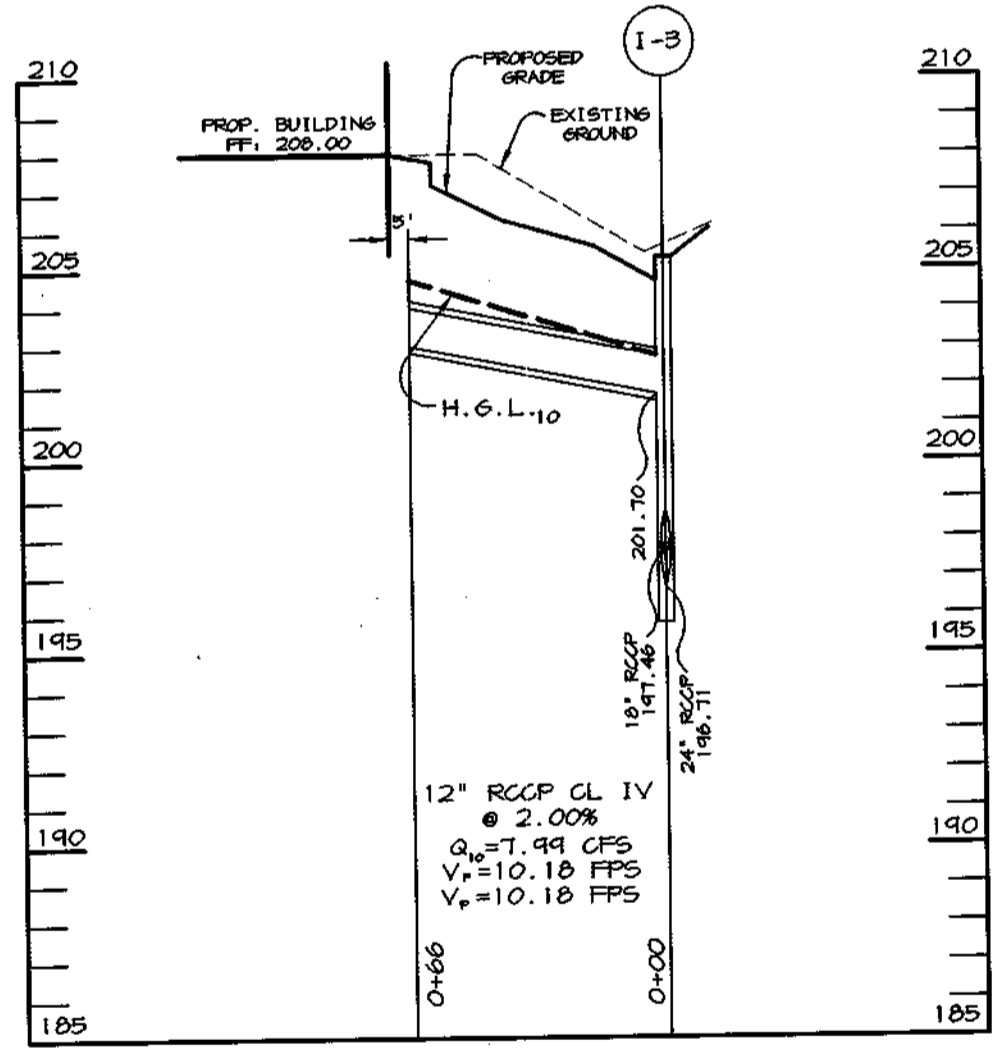


STORM DRAIN PROFILE
 SCALE:
 HOR. - 1"=50'
 VERT. - 1"=5'

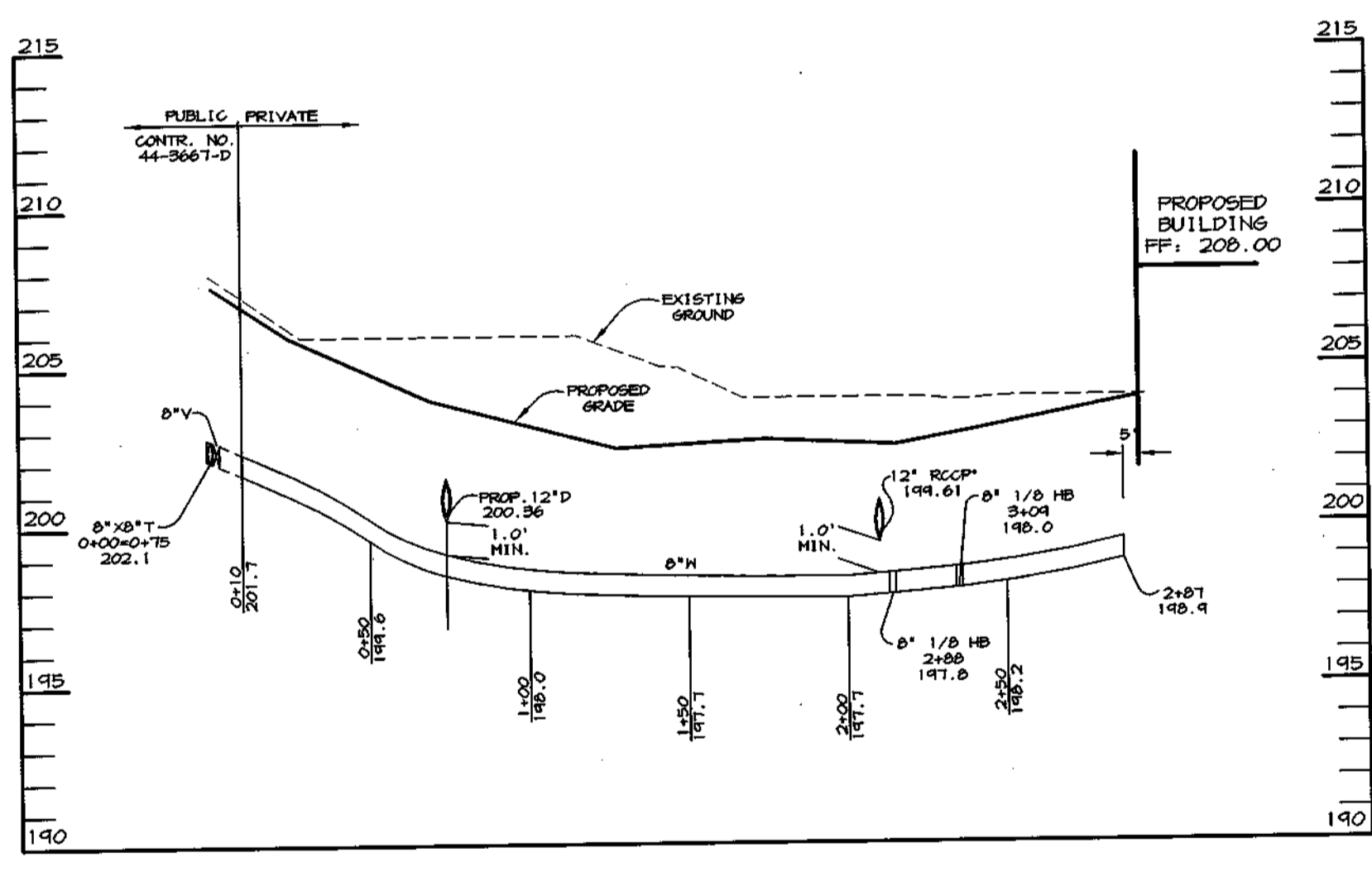
STORM DRAIN PROFILE
 SCALE:
 HOR. - 1"=50'
 VERT. - 1"=5'



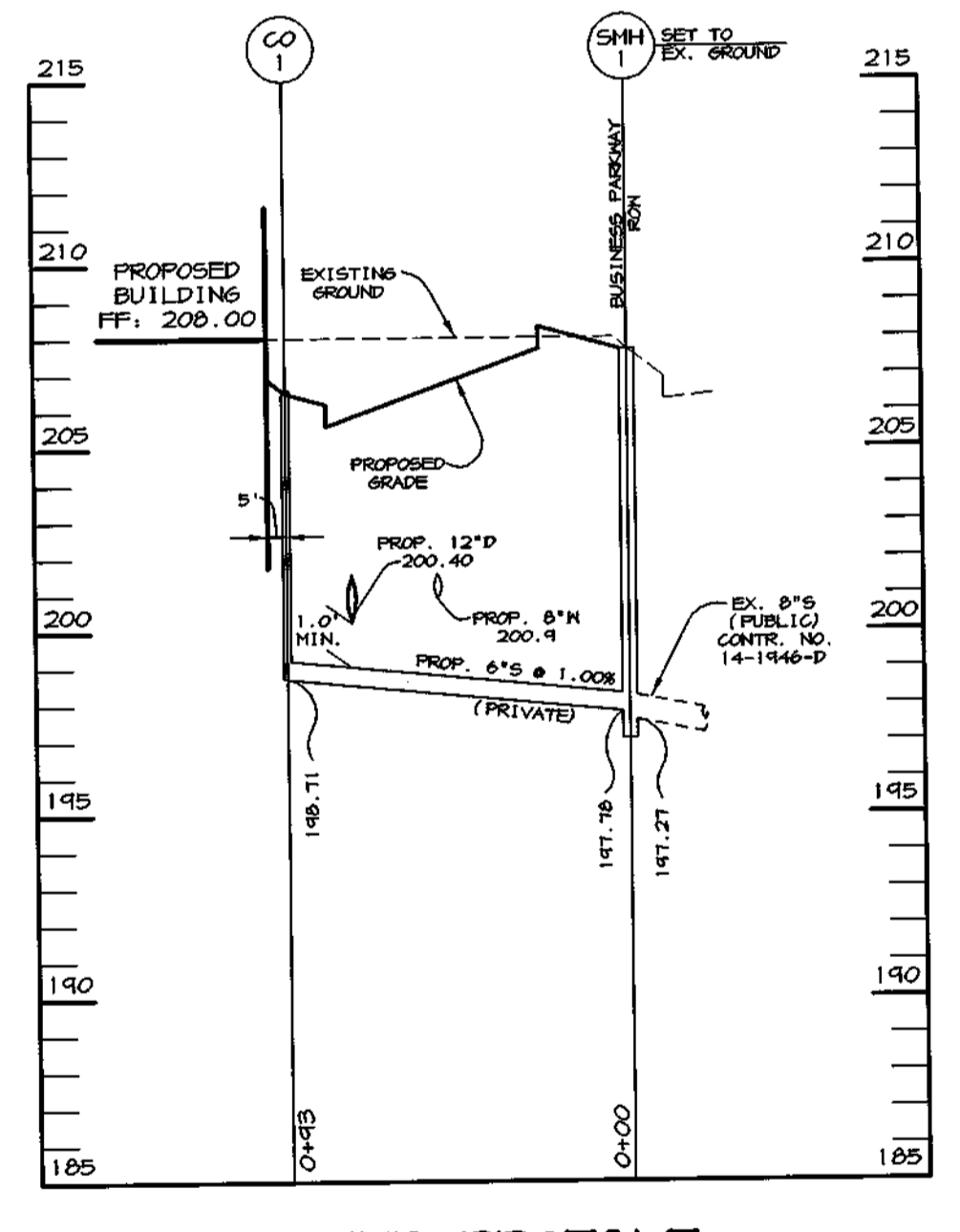
STORM DRAIN PROFILE
 SCALE:
 HOR. - 1"=50'
 VERT. - 1"=5'



STORM DRAIN PROFILE
 SCALE:
 HOR. - 1"=50'
 VERT. - 1"=5'



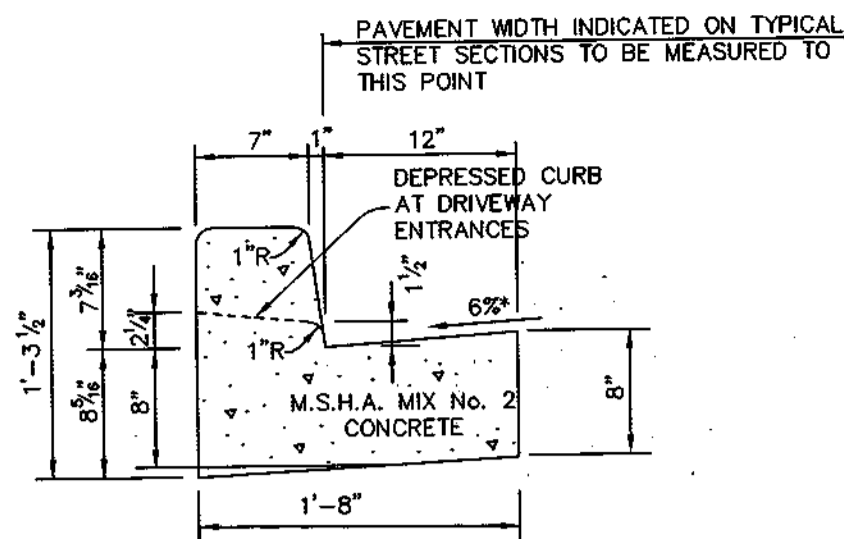
WATER PROFILE
 SCALE:
 HOR. - 1"=50'
 VERT. - 1"=5'



SEWER PROFILE
 SCALE:
 HOR. - 1"=50'
 VERT. - 1"=5'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
DIRECTOR: <i>Steve Gifford</i>	DATE: 6/20/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION: <i>Chris Domonaco</i>	DATE: 6/20/03
CHIEF, DIVISION OF LAND DEVELOPMENT: <i>Cindy Smith</i>	DATE: 6/20/03
DATE NO.	REVISION
OWNER/DEVELOPER MALAGA, LLC 7250 PARKWAY DRIVE, SUITE 130 HANOVER, MARYLAND 21076 410-712-4466	
PROJECT: MEADOWRIDGE BUSINESS PARK PARCEL N A WAREHOUSE BUILDING	
AREA: TAX MAP NO. 37 ZONED M-1 PARCEL N 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE: PROFILE SHEET	
Patton Harris Rust & Associates, pc Engineers, Surveyors, Planners, Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900 F 410.997.9262	
DATE: 6/11/03	DESIGNED BY: CJR
	DRAWN BY: DAM
	PROJECT NO: 97320 SDP4.DWG
	DATE: MAY 30, 2003
	SCALE: AS SHOWN
	DRAWING NO. 4 OF 7

P:\project\97320\SDP4.DWG, 05/30/2003 10:30:55 AM, HP750C(36).PC3

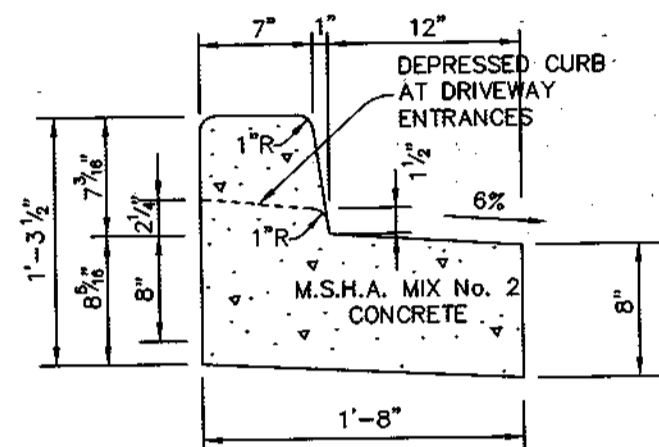


HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-3.01).

* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

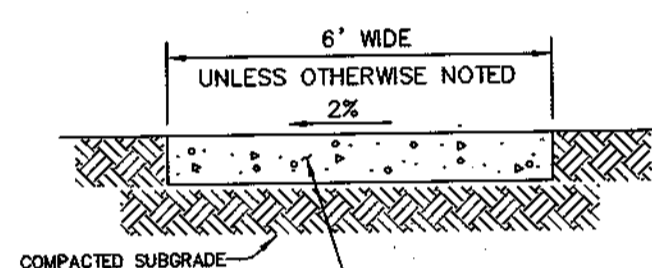
STANDARD 7" COMBINATION CURB AND GUTTER

NO SCALE



REVERSE 7" COMBINATION CURB AND GUTTER

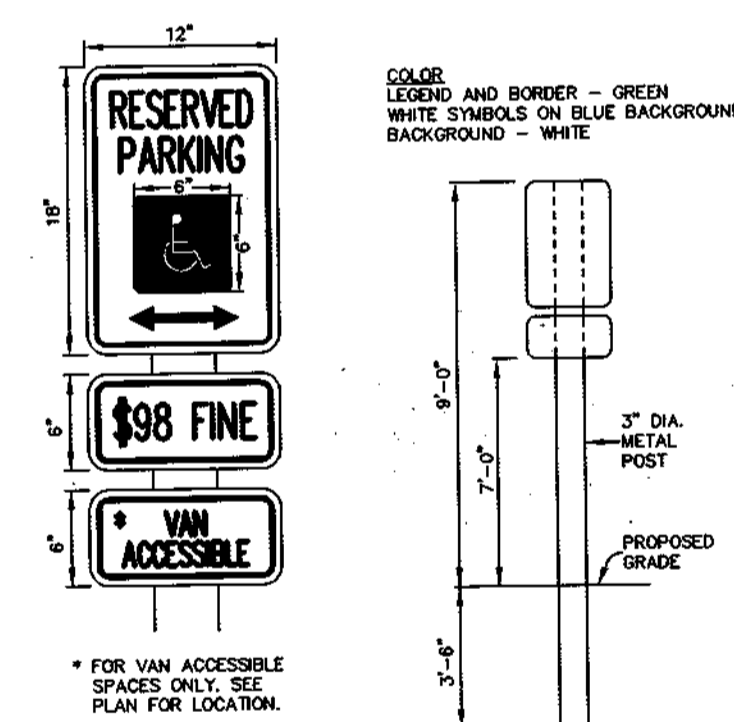
NO SCALE



NOTES:
1. PROVIDE LATITUDINAL EXPANSION JOINTS AT 15' O.C. (MAX.)
2. PROVIDE CONTRACTION (DUMMY) JOINT AT 5' O.C. INTERVALS BETWEEN EXPANSION JOINTS. SIDEWALK TO BE SCRIBED IN 5' MAX. SQUARES.

SIDEWALK DETAIL

NO SCALE

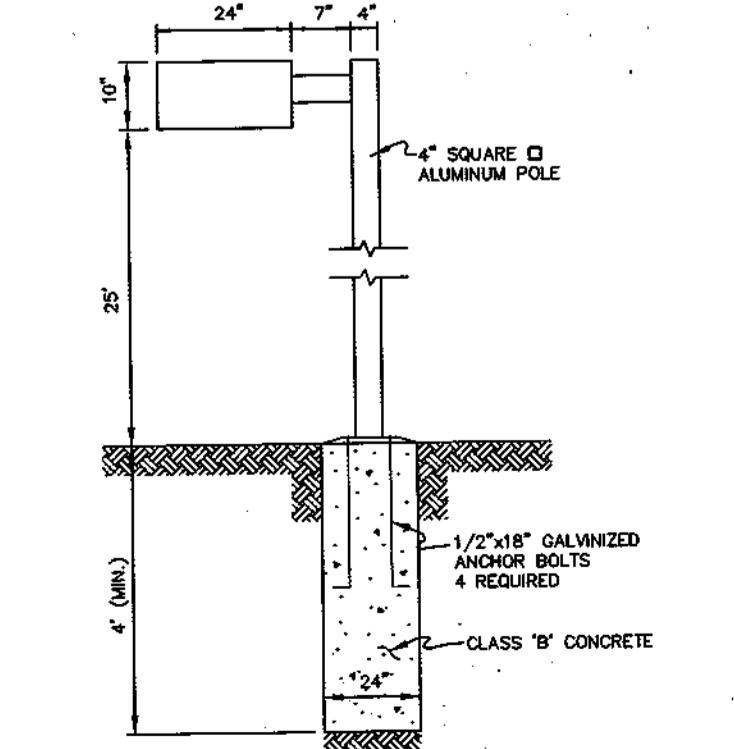


* FOR VAN ACCESSIBLE SPACES ONLY. SEE PLAN FOR LOCATION.
NOTE: DISTANCE FROM GROUND TO BOTTOM OF SIGN TO BE 7'.

HANDICAP SIGN DETAIL

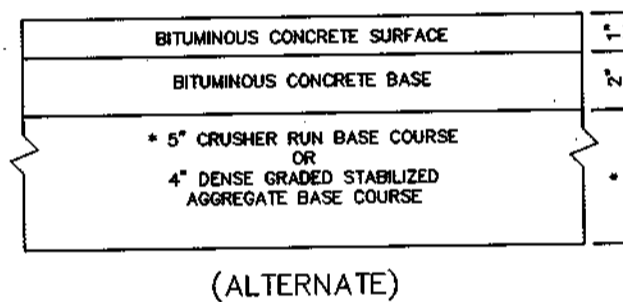
NO SCALE

- ALL LIGHT FIXTURES TO BE SINGLE LUMINAIRE 400 WATT MERCURY TYPE WITH METAL POLES AND DIRECTED DOWNWARD.
- LOCATIONS OF LIGHT FIXTURES ARE ON THE PLAN AND ARE SHOWN THIS:
- LIGHTS TO BE MODULE B TYPE AS MANUFACTURED BY MOLDCAST OR APPROVED EQUAL.
- POLE AND FIXTURE TO HAVE BLACK POLYESTER ENAMEL FINISH.
- POLE TO BE LOCATED 3" BACK FROM BACK OF CURB.

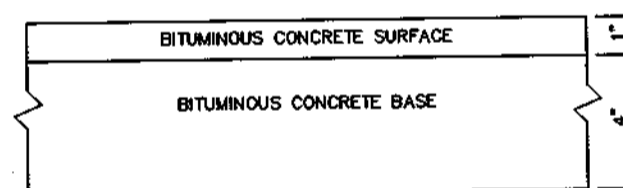


LIGHT POLE DETAIL

NO SCALE



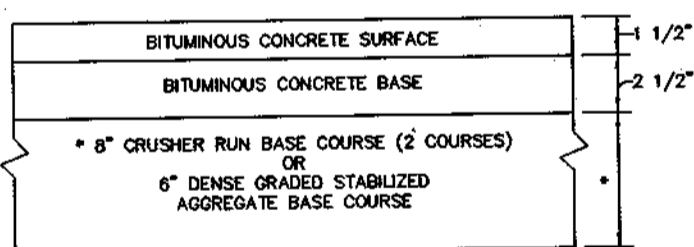
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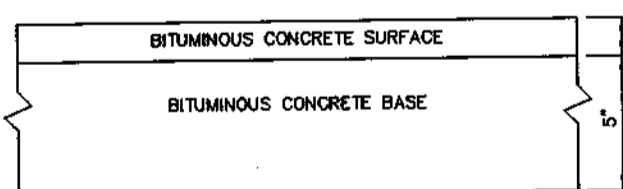
HOWARD COUNTY DESIGN MANUAL VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

P-1 PAVING

NO SCALE



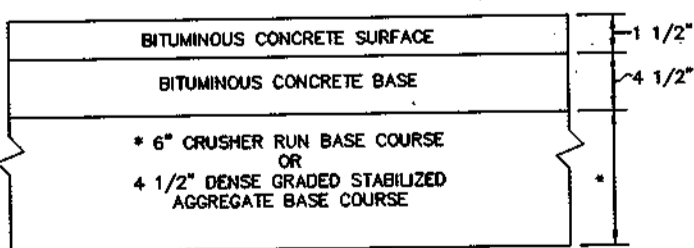
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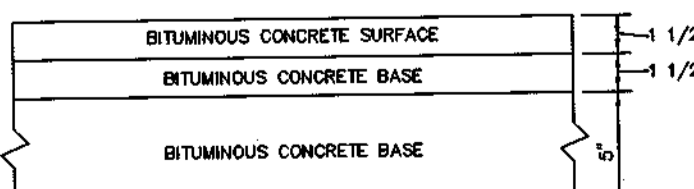
HOWARD COUNTY DESIGN MANUAL VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

P-2 PAVING

NO SCALE



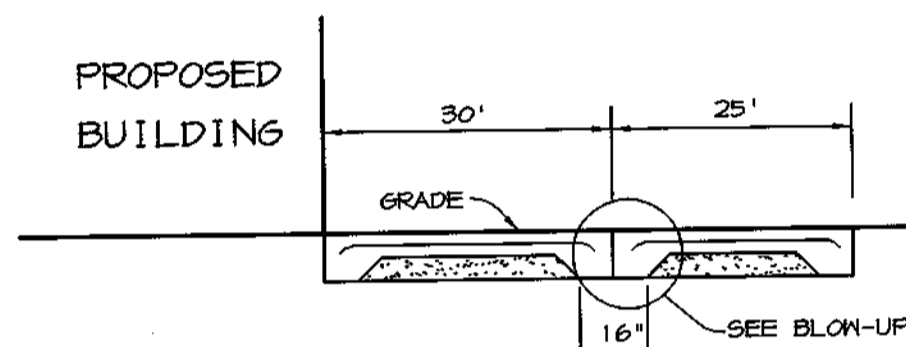
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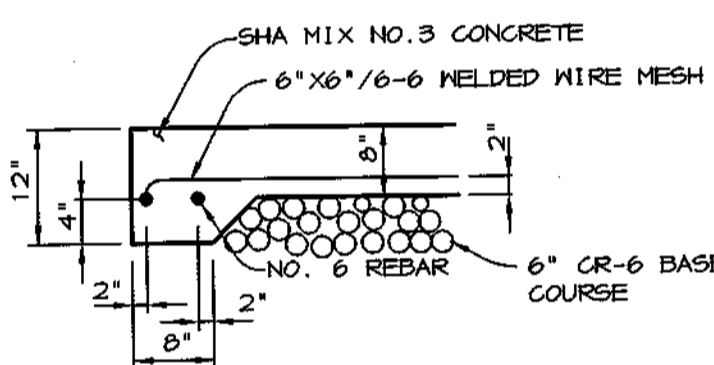
HOWARD COUNTY DESIGN MANUAL VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

P-3 PAVING

NO SCALE



SECTION

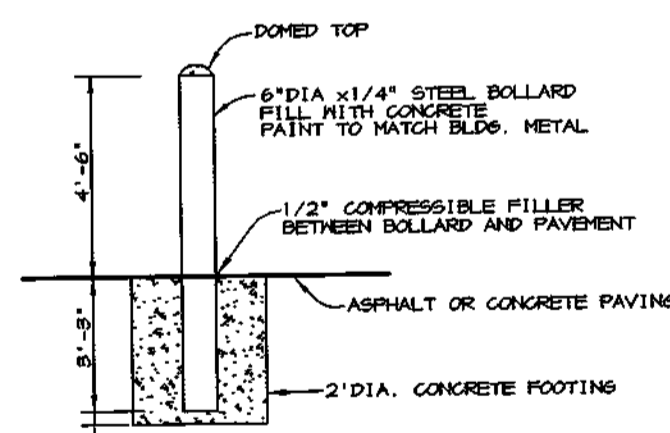


BLOW-UP

- SAW JOINTS AT 15' SPACING IN BOTH DIRECTIONS WITH DEPTH OF JOINT EQUAL TO 1/4 DEPTH OF SLAB.
- CONSTRUCTION JOINTS: AS NEEDED, USING 3/4" DIA. SMOOTH DOMELS COATED TO PREVENT BOND @ 12" O.C. (MAX.) WITH SMOOTH CUT EDGE. DOMEL, EXTEND 6" INTO CONCRETE ON EACH SIDE OF JOINT.

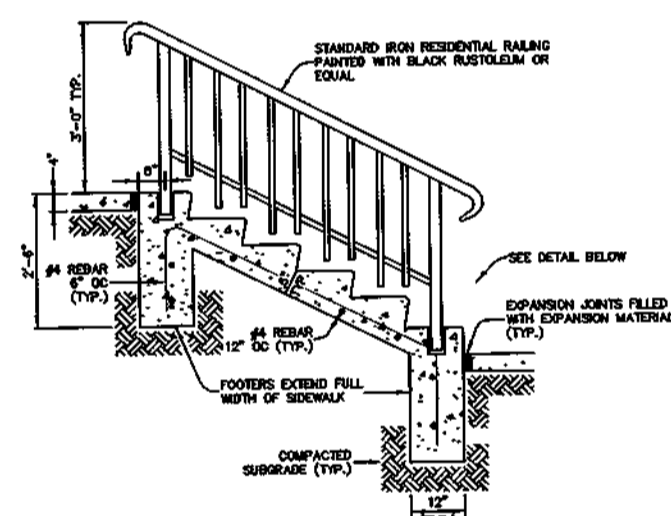
CONCRETE PAD FOR LOADING AREA

NO SCALE



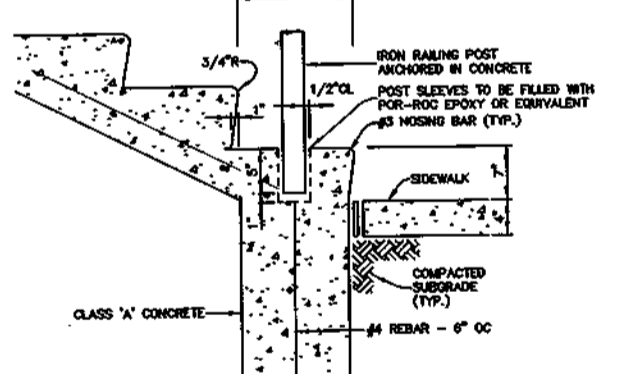
BOLLARD DETAIL

NO SCALE



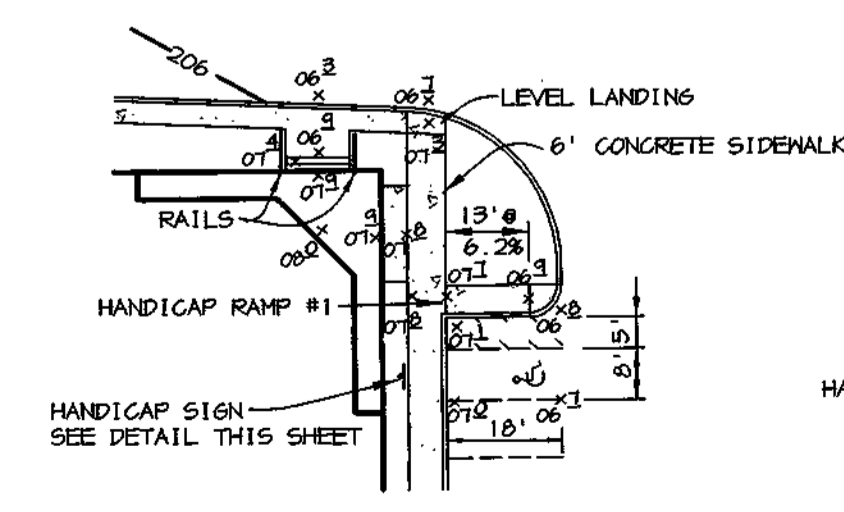
STEP AND RAILING DETAIL

NO SCALE

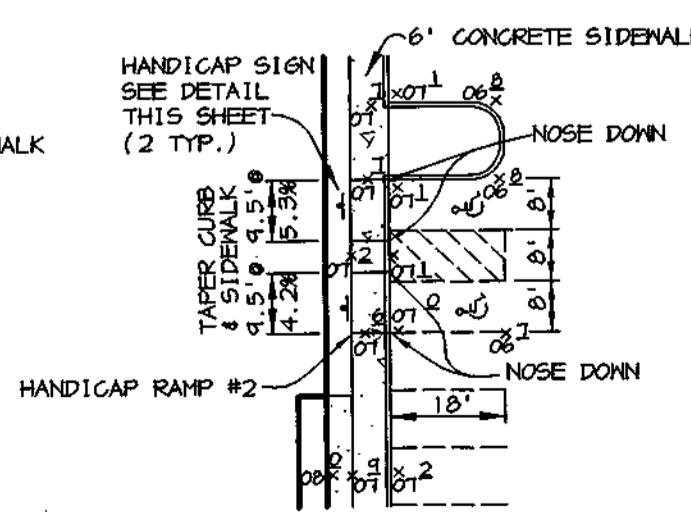


TYPICAL CONCRETE STEP WITH RAIL DETAIL

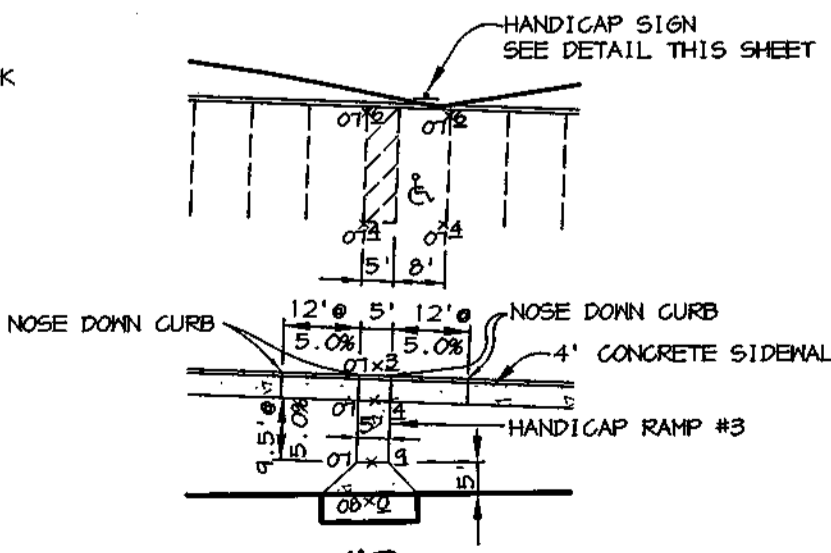
NO SCALE



#1



#2



#3

HANDICAP RAMPS DETAILS

SCALE: 1"=30'

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>John Lefferts</i>	6/30/03
DIRECTOR	DATE
<i>Chad Danner</i>	6/25/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>Andy Kerner</i>	6/29/03
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

DATE	NO.	REVISION
------	-----	----------

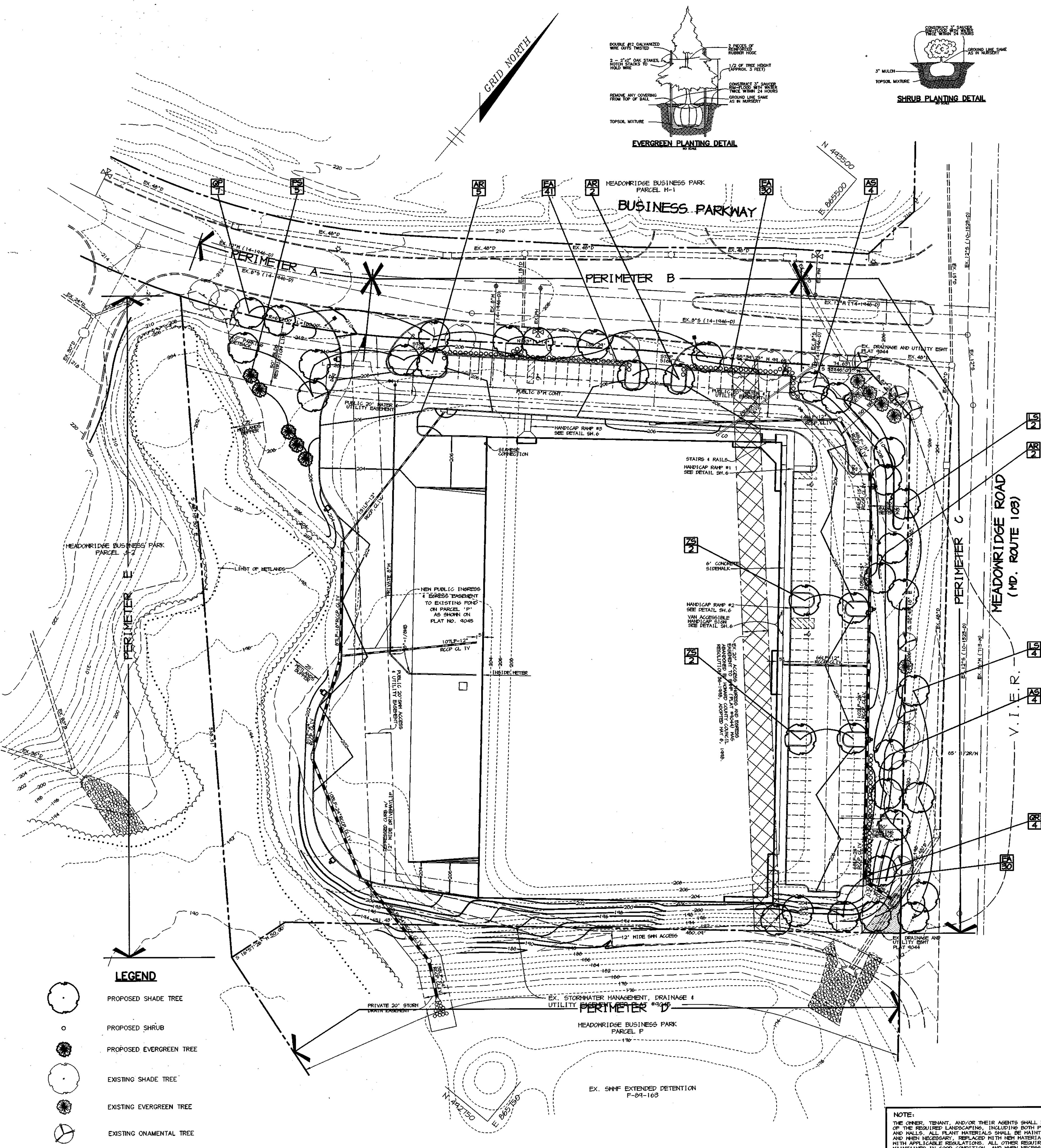
OWNER/DEVELOPER
MALAGA, LLC
7250 PARKWAY DRIVE, SUITE 130
HANOVER, MARYLAND 21076
410-712-4466

PROJECT MEADOWRIDGE BUSINESS PARK
PARCEL N
A WAREHOUSE BUILDING
AREA TAX MAP NO. 37 ZONED M-1 PARCEL N
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
NOTES AND DETAILS
Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
PHRA
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

DATE 6.18.03	DESIGNED BY : CJR
	DRAWN BY: DAM
	PROJECT NO : 97320 SDP6.DWG
	DATE : MAY 30, 2003
	SCALE : AS SHOWN
CHRISTOPHER J. REID #19949	DRAWING NO. 6 OF 7

SDP-98-75



PLANTING SPECIFICATIONS

- Plants, related material, and operations shall meet the detailed description as given on the plans and as described herein.
- All plant material, unless otherwise specified, shall be nursery grown, uniformly branched, have a vigorous root system, and shall conform to American Association of Nurserymen (AAN) Standards. Plant material shall be healthy, vigorous, free from defects, decay, disfiguring roots, unsound injuries, diseases of the bark, plant diseases, insect pest eggs, borers and all forms of insect infestations or objectionable disfigurements. Plant material that is weak or which has been cut back from larger grades than most specified requirements will be rejected. Trees with forked leaders will not be accepted. All plants shall be freshly dug, no head-in plants or plants from cold storage will be accepted.
- Unless otherwise specified, all general conditions, planting operations, details and planting specification shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area" (hereinafter "Landscape Guidelines") approved by the Landscape Contractors Association of Metropolitan Washington and the Potomac Chapter of the American Society of Landscape Architect, latest edition, including all agenda.
- Contractor shall be required to guarantee all plant material for a period of one year after date of acceptance in accordance with the appropriate section of the Landscape Guidelines. Contractor's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material.
- Contractor shall be responsible for notifying utility companies, utility contractors and "Miss Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor.
- Protection of existing vegetation to remain shall be accomplished by the temporary installation of 4 foot high snow fence at the drip line.
- Contractor is responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within growing season of completion of site construction.
- Bid shall be based on actual site conditions. No extra payment shall be made for work arising from site conditions differing from those indicated on drawings and specifications.
- Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plant list, the quantities on the plan take precedence.
- All shrubs and groundcover areas shall be planted in continuous prepared planting beds mulched with composted hardwood mulch as detailed and specified except where noted on plans.
- Positive drainage shall be maintained in planting beds (minimum 2 percent slope).
- Planting mix shall be as follows: Deciduous Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of standard fertilizer per cubic yard of planting mix. Evergreen Plants - two parts topsoil, one part humus or other approved organic material. Add 3 lbs. of evergreen (acidic) fertilizer per cubic yard of planting mix. Topsoil shall conform to the Landscape Guidelines.
- Weed Control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution: Be sure to carefully check the chemical used to assure its applicability to the specific groundcover to be treated.
- All areas within contract limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded.
14. Mulch: Groundcover beds should be mulched with minimum 2 inches of shredded composted hardwood, or as specified on the details, whichever is greater.
15. All areas within contract limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded.
16. This plan is intended for landscape use only. See other plan sheets for more information on grading, sediment control, layout, etc.

GENERAL NOTES

- THIS PLAN IS FOR LANDSCAPE PURPOSES ONLY.
- THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL DATA SHOWN ON THE LANDSCAPE PLAN PRIOR TO SUBMITTING ANY BID FOR THIS WORK. SHOULD THERE BE ANY QUESTIONS REGARDING ANY ITEMS, CONTACT THE LANDSCAPE ARCHITECT AT 410-997-8900 FOR CLARIFICATION. OTHERWISE IT WILL BE ASSUMED THAT THE CONTRACTOR IS FULLY AWARE OF ALL OPERATIONS AND MATERIALS PERTINENT TO THE PROPER COMPLETION OF THE WORK.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$400,000. STREET TREES ARE NOT INCLUDED IN THIS AMOUNT AND WILL BE BONDED SEPARATELY.

SCHEDULE A PERIMETER LANDSCAPING

PERIMETER	ADJACENT TO ROADWAYS				ADJACENT TO PROPERTIES	
	A	B	C	D	E	F
LANDSCAPE TYPE	B	E	E	NONE	NONE	NONE
LINEAR FEET OF ROADWAY FRONTAGE / PERIMETER	± 150'	± 285'	± 600'	± 530'	± 518'	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO	NO	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	YES	NO	NO	NO
NUMBER OF PLANTS REQUIRED:						
SHADE TREES	0	14	7	3	0	0
EVERGREEN TREES	1:50 = 3	1:40 = 7	1:40 = 3			
SHRUBS	1:40 = 4	1:4 = 71				
NUMBER OF PLANTS PROVIDED:						
EXISTING SHADE TREES	14	15	0	0	0	0
EXISTING EVERGREEN TREES	7	15				
OTHER TREES (2:1 SUBSTITUTION)						
SHRUBS (10:1 SUBSTITUTION)		71	30*			

* CREDIT TAKEN FOR MIN. 3' BERM, PERIMETER C, EXCEPT FOR 130'.

SCHEDULE B STREET TREE LANDSCAPE REQUIREMENTS

PERIMETER	A	B	C	D	E
LENGTH	± 150'	± 285'	± 600'	± 530'	± 518'
REQUIRED NUMBER (LARGE TREES @ 1:40')	4	7	15	N/A	N/A
TREES PROVIDED	4	7	15	NA	NA
EXISTING TREES - CREDIT	4	7	15	NA	NA
ADDITIONAL TREES REQUIRED / PROVIDED	2	5	9**	0	0
SPACING	APPROX. 20' APPROX 20' GROUPS NA NA NA				

* PERIMETER OF 340' REDUCED BY 55' FOR TWO DRIVEWAY ENTRANCES.
** CREDIT FOR 6 SHADE TREES, 6 ORNAMENTAL AND 5 EVERGREEN TREES THAT EXIST.

SCHEDULE C PARKING LOT INTERNAL LANDSCAPING REQUIREMENTS

NUMBER OF SHADE TREES REQUIRED	89 cars/20	4
NUMBER OF TREES PROVIDED		4
SHADE TREES		4
OTHER TREES (2:1 SUBSTITUTION)		0

SCHEDULE D PLANT MATERIAL LIST

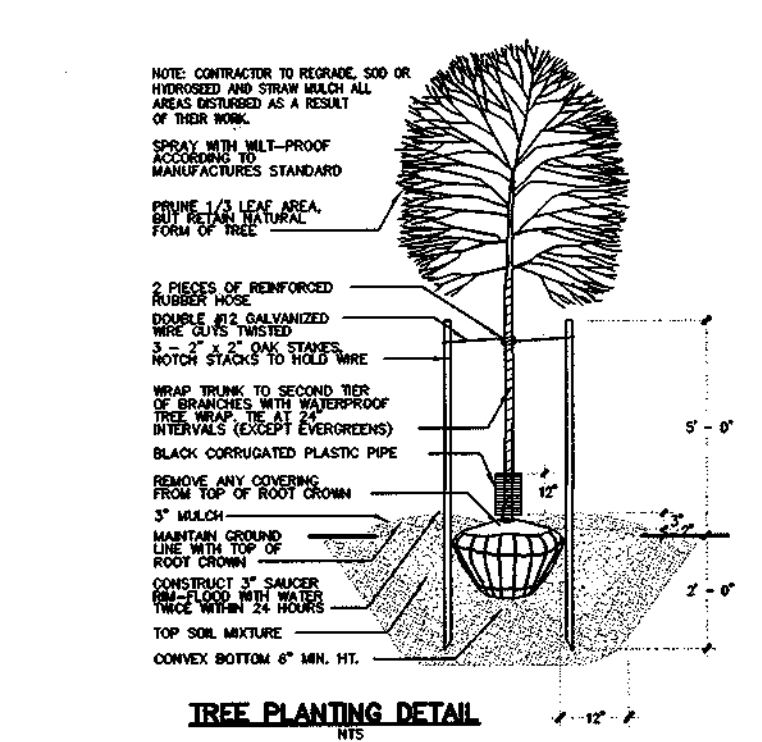
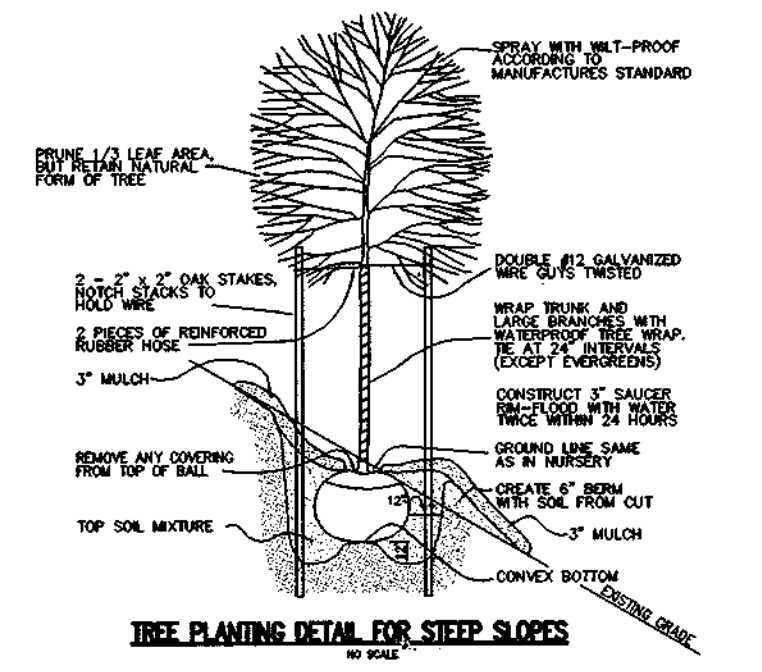
KEY	QUANTITY	BOTANICAL / COMMON NAME	SIZE	REMARKS
AS	8	ACER SACCHARINUM / GREEN MOUNTAIN	2 1/2" - 3" B&B	FULL CROWN CENTRAL LEADER
		GREEN MOUNTAIN SUGAR MAPLE		
AR	9	ACER RUBRUM / RED MAPLE	2 1/2" - 3" B&B	FULL CROWN CENTRAL LEADER
EA	101	ELIOMYOMIS ALATUS / COMPACTUS	2" - 2 1/2" HIGH	AVERAGE 36" DC*
		DWARF WINGS ELIOMYOMIS		
PS	5	PINUS STROBUS / WHITE PINE	8" - 10" HT. B&B	FULL FORM
LS	6	LICHUAMBAR STRACIPLUA / SWEETZAM	2 1/2" - 3" B&B	FULL CROWN CENTRAL LEADER
QP	7	QUERCUS PALUSTRIS / PIN OAK	2 1/2" - 3" B&B	FULL CROWN CENTRAL LEADER
QR	4	QUERCUS RUBRA / NORTHERN RED OAK	2 1/2" - 3" B&B	FULL CROWN CENTRAL LEADER
ZS	4	ZELKOYA SERRATA / VILLAGE GREY	2 1/2" - 3" B&B	FULL CROWN
		VILLAGE GREEN JAPANESE ZELKOYA		

* INSTALL DOUBLE ROW AT END OF PARKING LOT ALONG PERIMETER D ALL PF SHALL BE INSTALLED NO CLOSER THAN 5' FROM CURB.

DEVELOPER'S/BUILDER'S CERTIFICATION

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN INDEPENDENT YEAR QUANTITIES OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

David T. Dows #830 DATE 6/10/03



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Director: *David C. Henry* DATE 6/30/03

Chief, Development Engineering Division: *David C. Henry* DATE 6/30/03

Chief, Division of Land Development: *David C. Henry* DATE 6/30/03

DATE NO. REVISION

OWNER/DEVELOPER: MALAGA, LLC
7250 PARKWAY DRIVE, SUITE 130
HANOVER, MARYLAND 21076
410-712-4466

PROJECT: MEADOWRIDGE BUSINESS PARK
PARCEL N
A WAREHOUSE BUILDING

AREA: TAX MAP NO. 37 ZONED M-1 PARCEL N
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: LANDSCAPE PLAN

Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

DATE: 6-5-03

DESIGNED BY: DTD

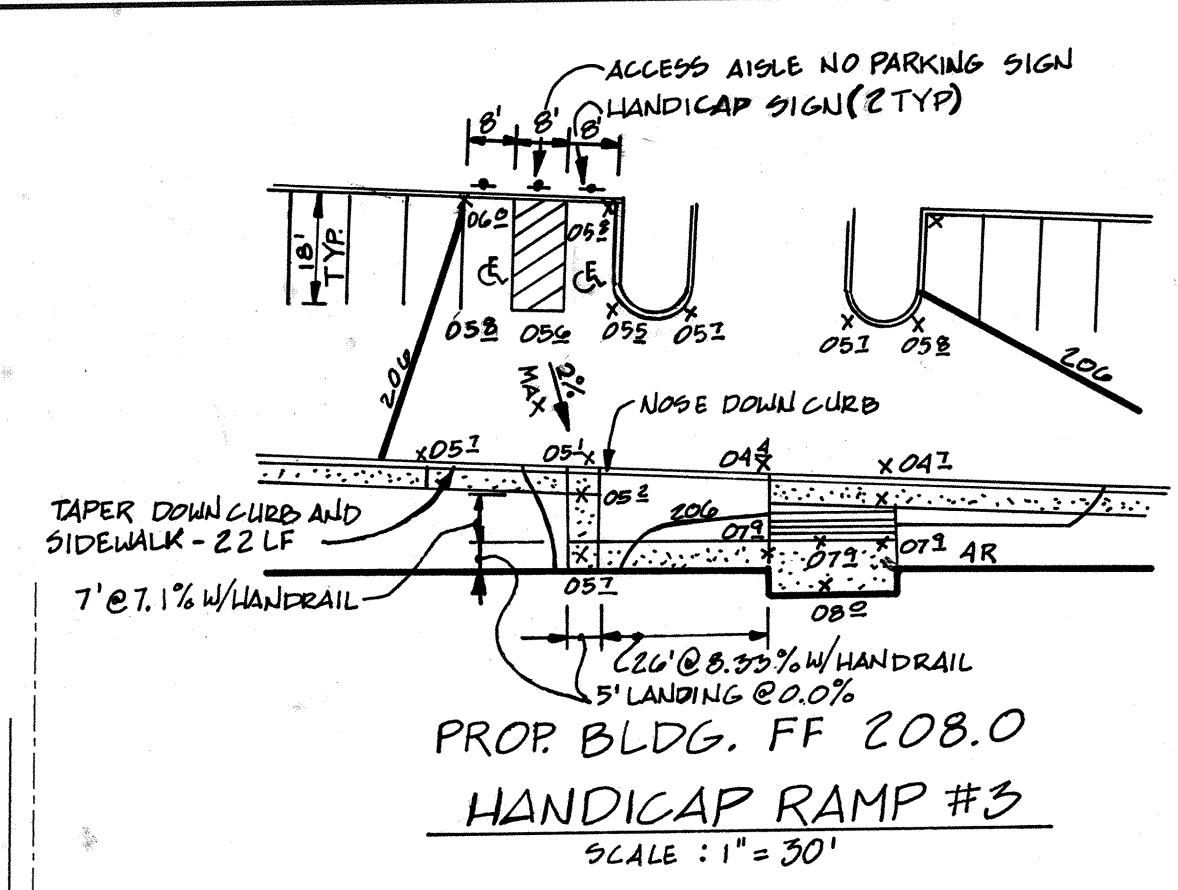
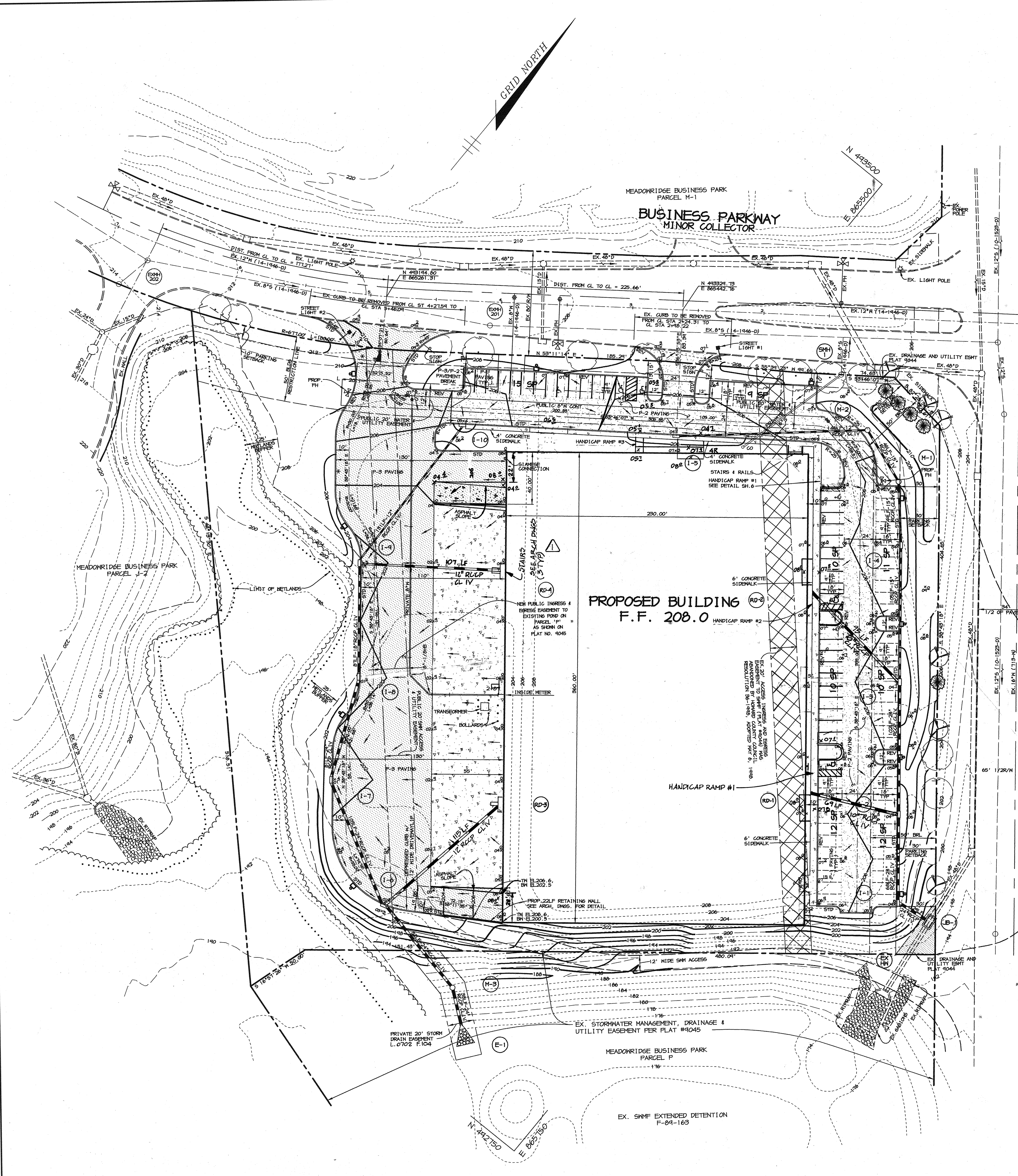
DRAWN BY: DAM

PROJECT NO: 97320
SDP7.DWG

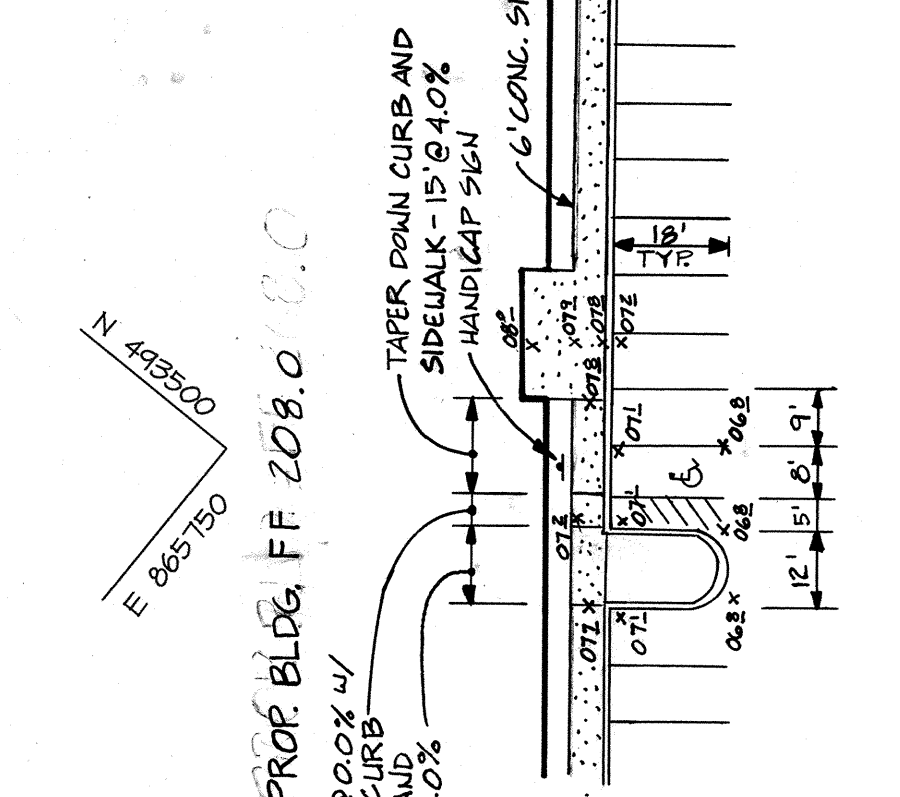
DATE: MAY 30, 2003

SCALE: 1" = 40'

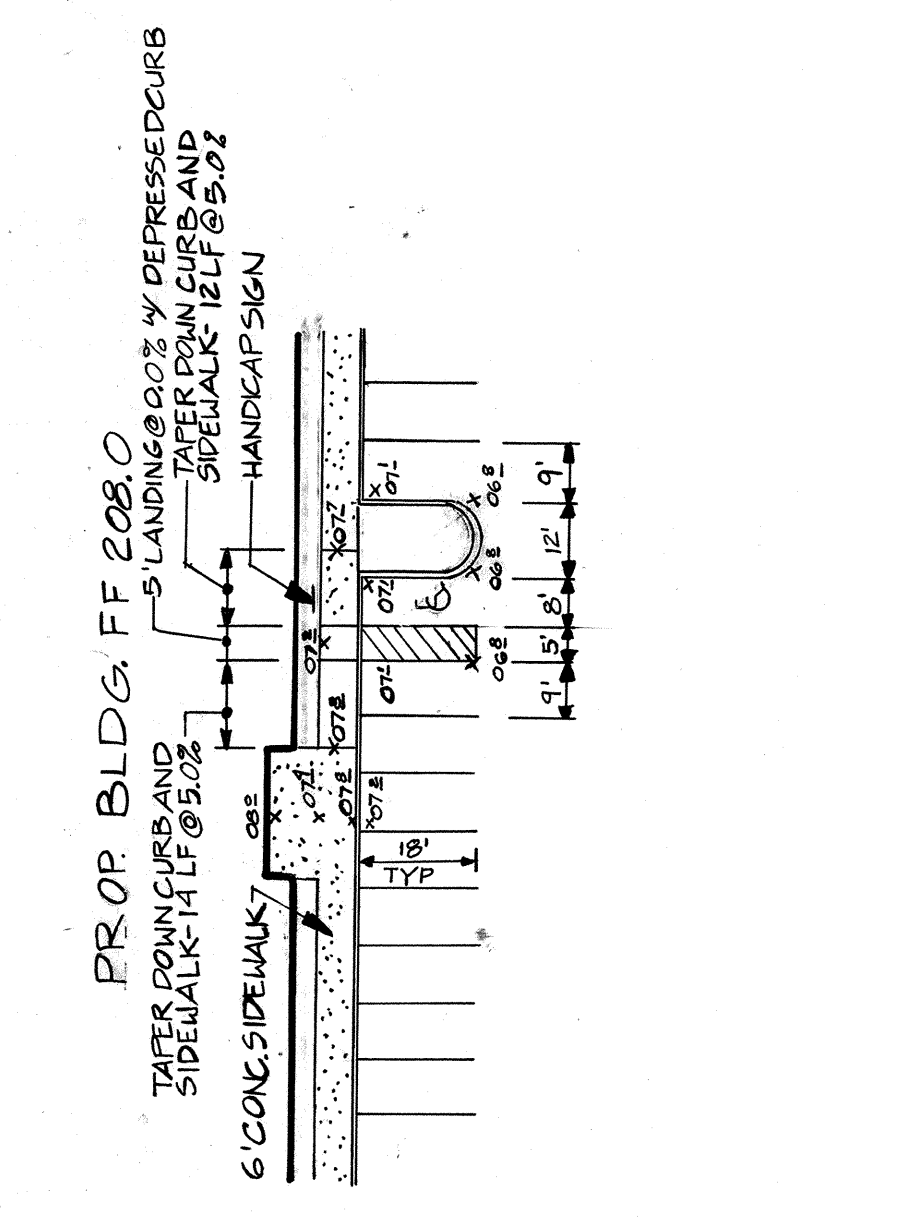
DRAWING NO. 7 OF 7



PROP BLDG. FF 208.0
HANDICAP RAMP #3
SCALE: 1" = 30'



PROP BLDG. FF 208.0
HANDICAP RAMP #2
SCALE: 1" = 30'



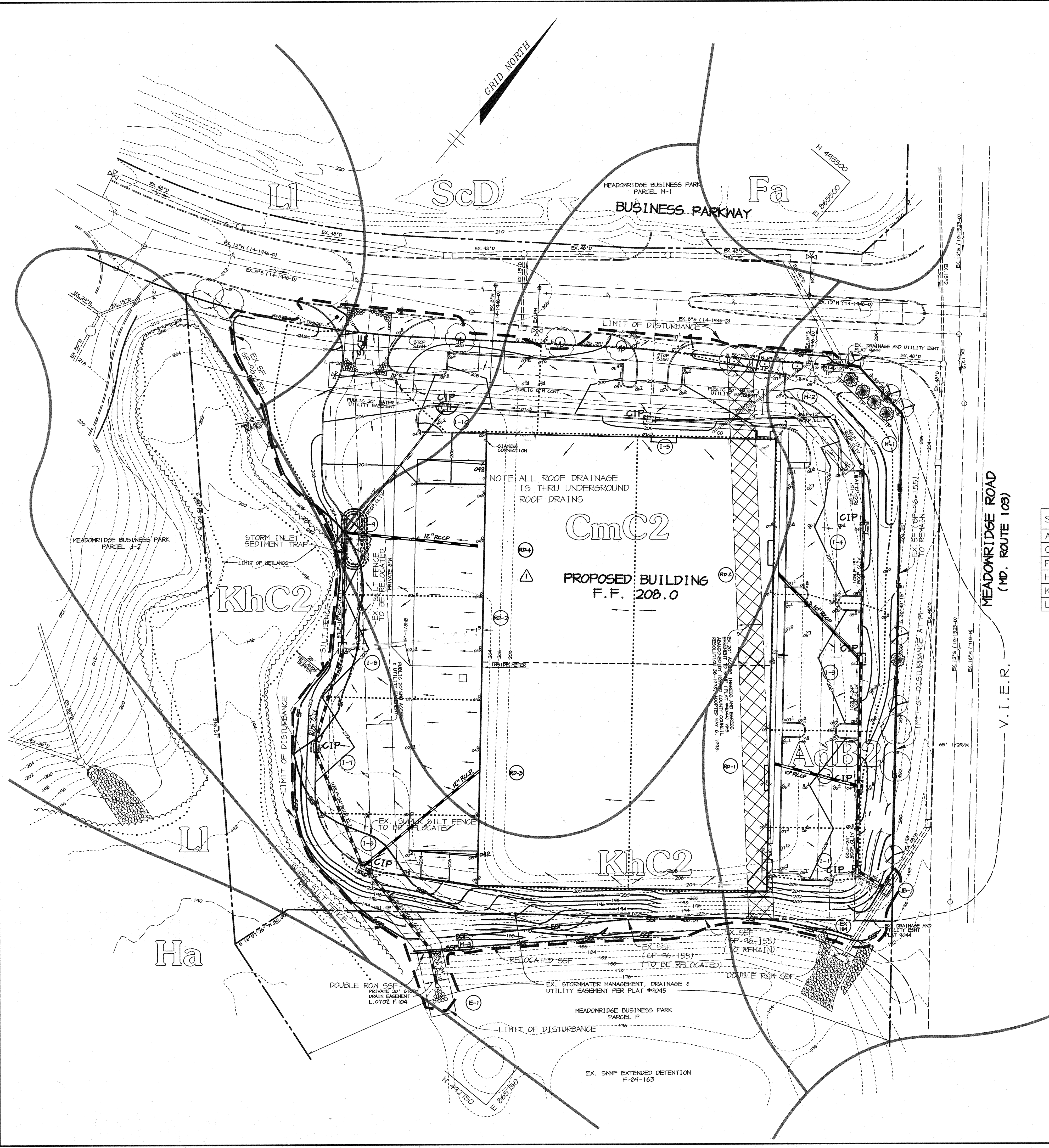
PROP BLDG. FF 208.0
HANDICAP RAMP #1
SCALE: 1" = 30'

- LEGEND**
- P-1 PAVING (PARKING BAYS)
 - P-2 PAVING (DRIVE LANES)
 - P-3 PAVING (TRUCK ENTRANCE & COURT)
 - CONCRETE SIDEWALK OR CONCRETE TRUCK PAD (SEE DETAIL SHEET 4)
 - STD * REV DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER
 - 25' POLE SQUARE STEEL 400 WATT SHOEBOX METAL HALIDE (SEE NOTE 1)
 - 250 WATT HPS VAPOR PENDANT FIXTURE (SAG) MOUNTED AT 30' ON A BRONZE FIBERGLASS POLE, USING A 12' ARM.
 - V.I.E.R. VEHICULAR INGRESS/EGRESS RESTRICTED

- NOTES:**
1. ALL LIGHTS TO BE DIRECTED/REFLECTED AWAY FROM ADJACENT PUBLIC ROADS AND RESIDENTIALLY ZONED PROPERTIES, AND BE IN ACCORDANCE WITH SECTION 134 OF THE HOWARD COUNTY ZONING REGULATIONS.
 2. ALL CURB RADIUS ARE 5' UNLESS OTHERWISE LABELED.
 3. ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS OTHERWISE SHOWN.
 4. ALL ON-SITE ROADS ARE PRIVATE.
 5. SEE SHEET 1 FOR BUILDING LOCATION DIMENSIONS.

- STREET LIGHT LOCATION**
- #1 36' LEFT OF STA. 2+30, BUSINESS PARKWAY
 - #2 39' LEFT OF STA. 5+20, BUSINESS PARKWAY ANGLE ARM TO CENTER OF INTERSECTION

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Steve Lafferty</i> DIRECTOR	6/30/03 DATE
<i>Chris Domon</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	6/30/03 DATE
<i>Carly Hamer</i> CHIEF, DIVISION OF LAND DEVELOPMENT	6/30/03 DATE
4-22-04	RELOCATED BLDG ENTRANCES, ROOF DRAINAGE RAMP
DATE NO.	REVISION
OWNER/DEVELOPER	
MALAGA, LLC 7250 PARKWAY DRIVE, SUITE 130 HANOVER, MARYLAND 21076 410-712-4466	
PROJECT	MEADOWRIDGE BUSINESS PARK PARCEL N A WAREHOUSE BUILDING
AREA	TAX MAP NO. 37 ZONED M-1 PARCEL N 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	SITE DEVELOPMENT PLAN
Patton Harris Rust & Associates, pc Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900 F 410.997.9282	
DESIGNED BY: CJR	DATE: 6/14/03
DRAWN BY: DAM	
PROJECT NO: 97320 SDP2.DWG	
DATE: MAY 30, 2003	
SCALE: 1" = 40'	
DRAWING NO. 2 OF 7	



STORM INLET SEDIMENT TRAP #1 (I-9)

DRAINAGE AREA	0.58 AC.
STORAGE VOLUME REQUIRED	1044 CF (MET/DRY)
STORAGE VOLUME PROVIDED	1044 CF @ 199.8 (MET) = DRAIN DOWN DEVICE ELEV.
STORAGE VOLUME PROVIDED	1340 CF @ 201.5 (DRY)
WEIR ELEVATION	201.5
BOTTOM ELEVATION	198.0
CLEANOUT ELEVATION	199.5
SIDE SLOPES	1:1
CREST WIDTH	5'
BOTTOM DIMENSIONS	12' X 40'
DEPTH	3.5'

SOIL CHART

SYMBOL	DESCRIPTION
AdB2	ALDINO SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
CmC2	CHILLUM SILT LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED
Fa	FALLSINGTON LOAM
Ha	HATBORO SILT LOAM
KhC2	KEYPORT SILT LOAM, 3 TO 10 PERCENT SLOPES, MODERATELY ERODED
LI	LEONARDTOWN SILT LOAM

DRAINAGE DATA

INLET NOS.	AREA IN ACRES	C FACTOR	PERCENT IMPERVIOUS
1	0.07	0.86	100%
2	0.14	0.81	42%
3	0.19	0.76	85%
4	0.33	0.58	57%
5	0.29	0.63	66%
7	0.27	0.86	100%
8	0.21	0.86	100%
9	0.58	0.71	76%
10	0.18	0.53	50%

* ALL SOILS ARE ASSUMED TYPE 'C' AS THE SITE HAS BEEN MASS GRADED.

LEGEND

- CIP CURB INLET PROTECTION
- SSF SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- DRAINAGE AREA DIVIDE
- TP TREE PROTECTION FENCE
- SCC STABILIZED CONSTRUCTION ENTRANCE

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.

John C. Long 6/10/03
DEVELOPER DATE

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.

Cheryl S. Paul 6.10.03
ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Jim Meyer 6/24/03
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John R. Robinson 6/24/03
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Scott Caffery 6/30/03
DIRECTOR, ADAMS DATE

John Dammann 6/25/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cheryl H. Harris 6/24/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

4-23-04	RELOCATED BLDG ENTRANCES, ROOF DRAINS, LOADING RAMPS	
DATE	NO.	REVISION

OWNER/DEVELOPER

MALAGA, LLC
7250 PARKWAY DRIVE, SUITE 130
HANOVER, MARYLAND 21076
410-712-4466

PROJECT MEADOWRIDGE BUSINESS PARK
PARCEL N
A WAREHOUSE BUILDING

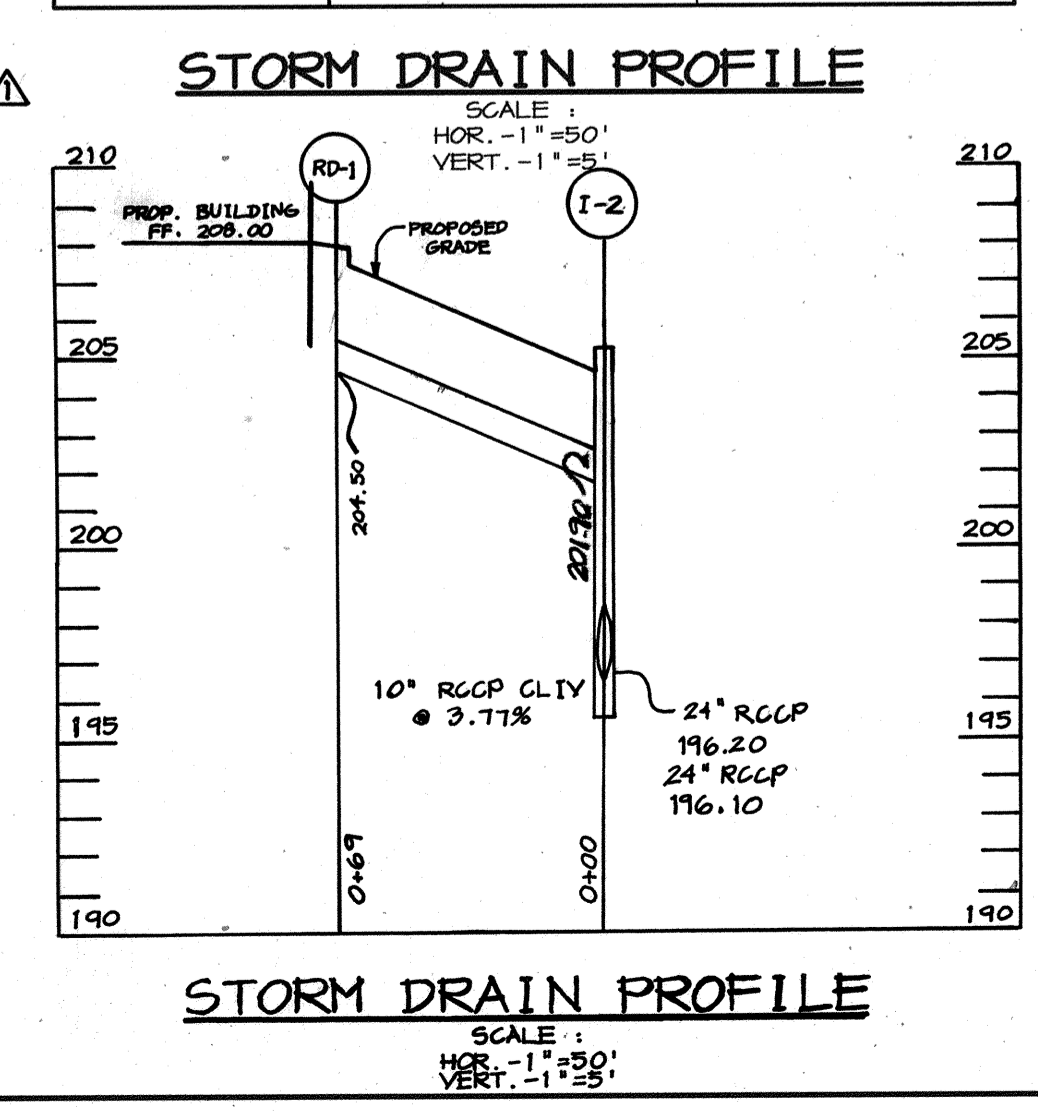
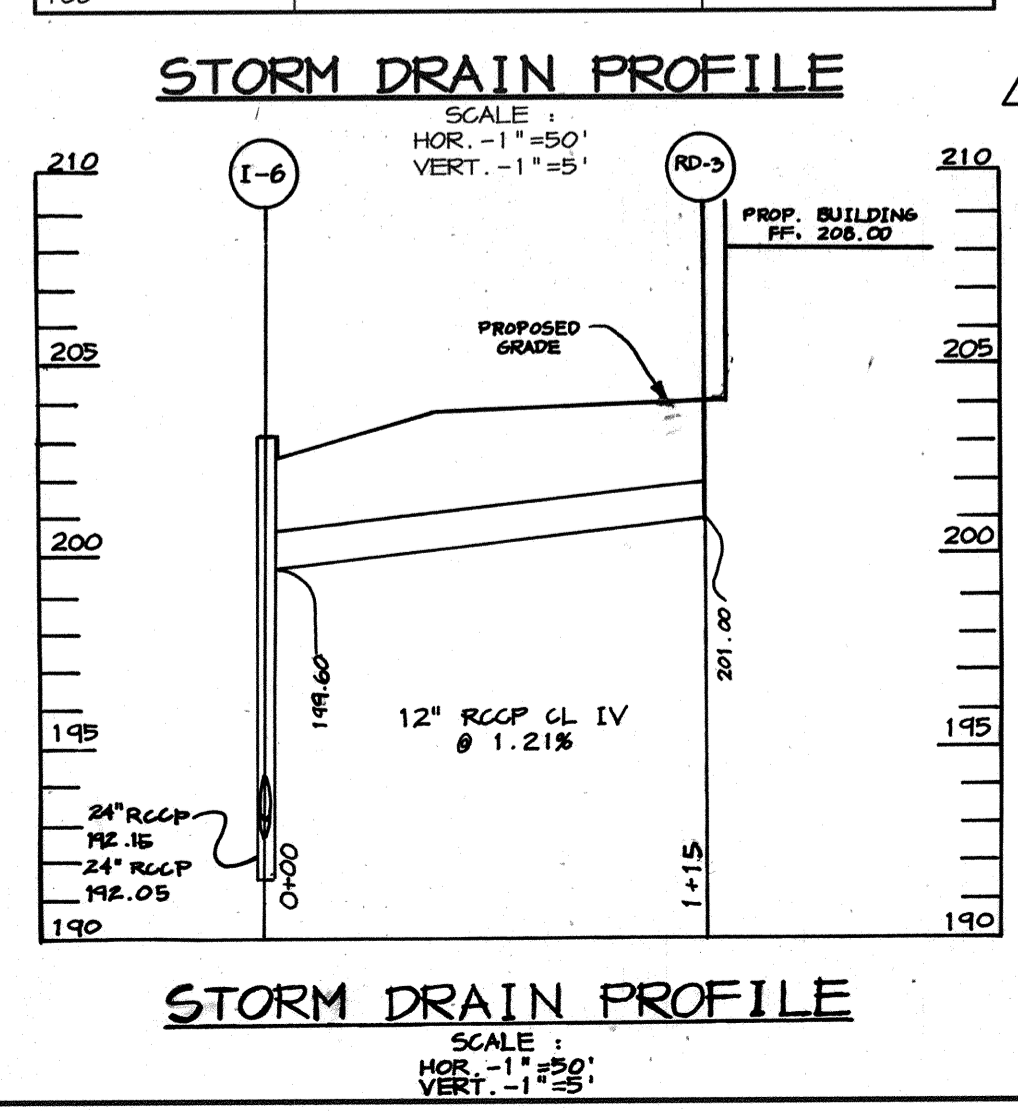
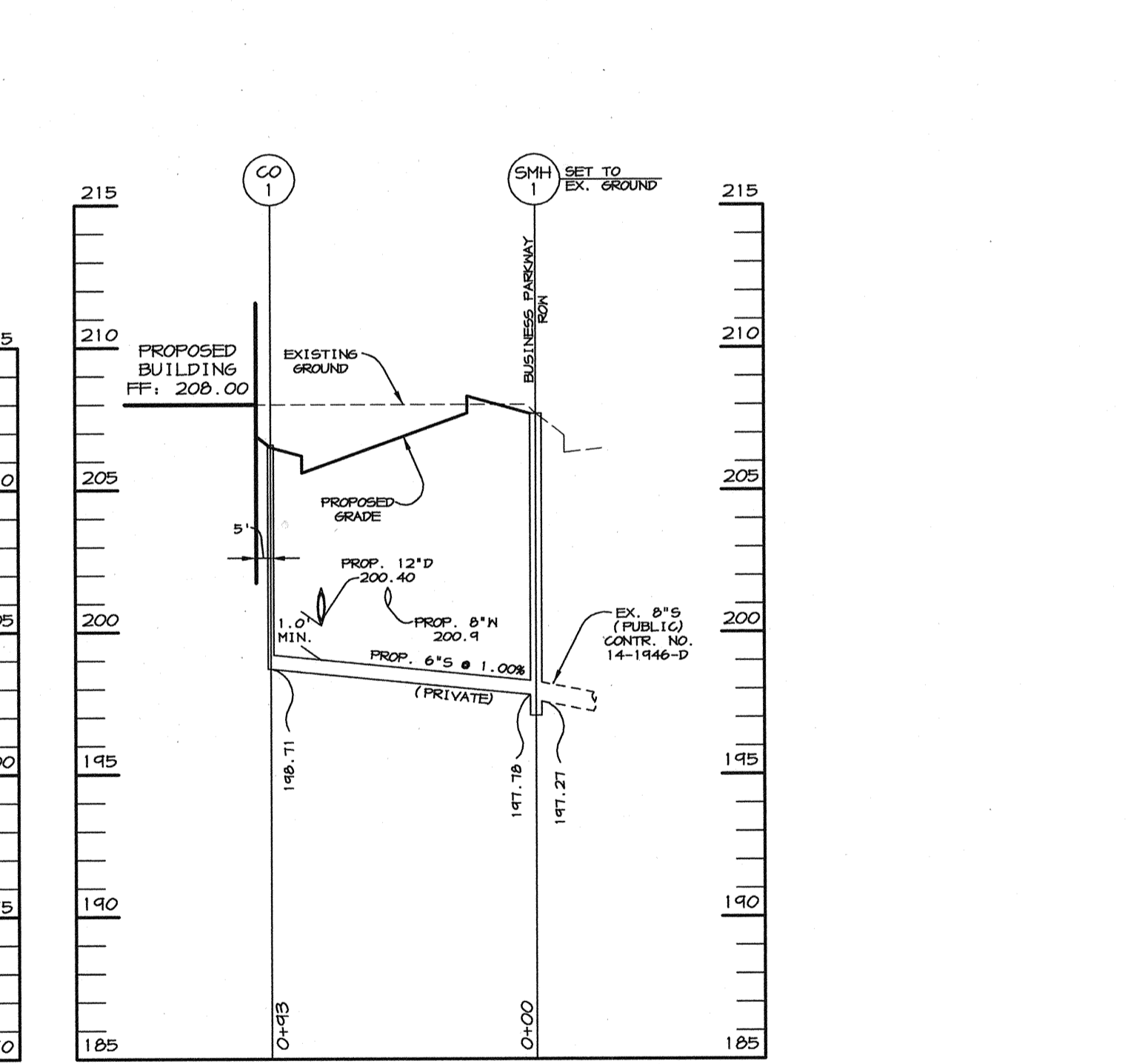
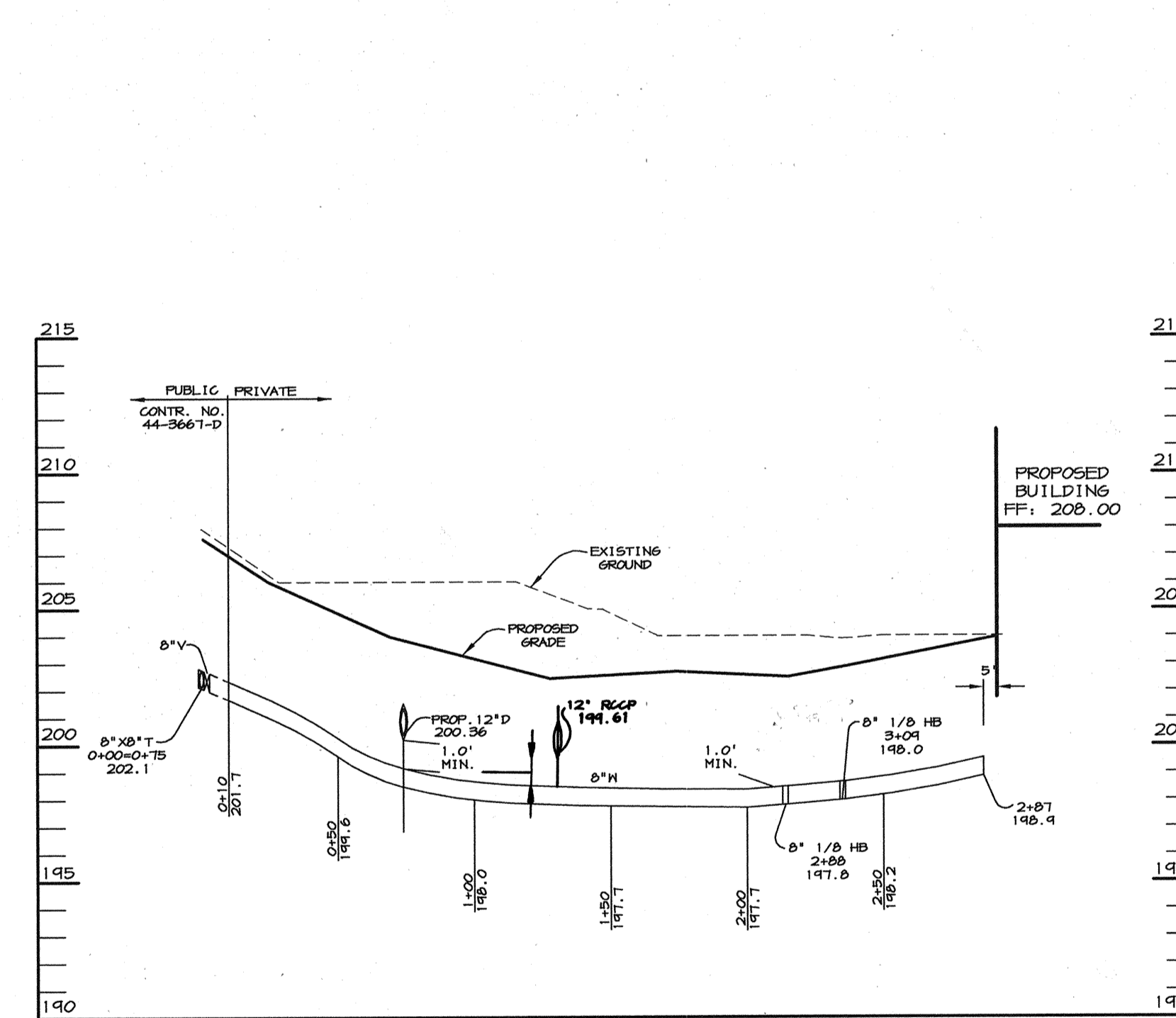
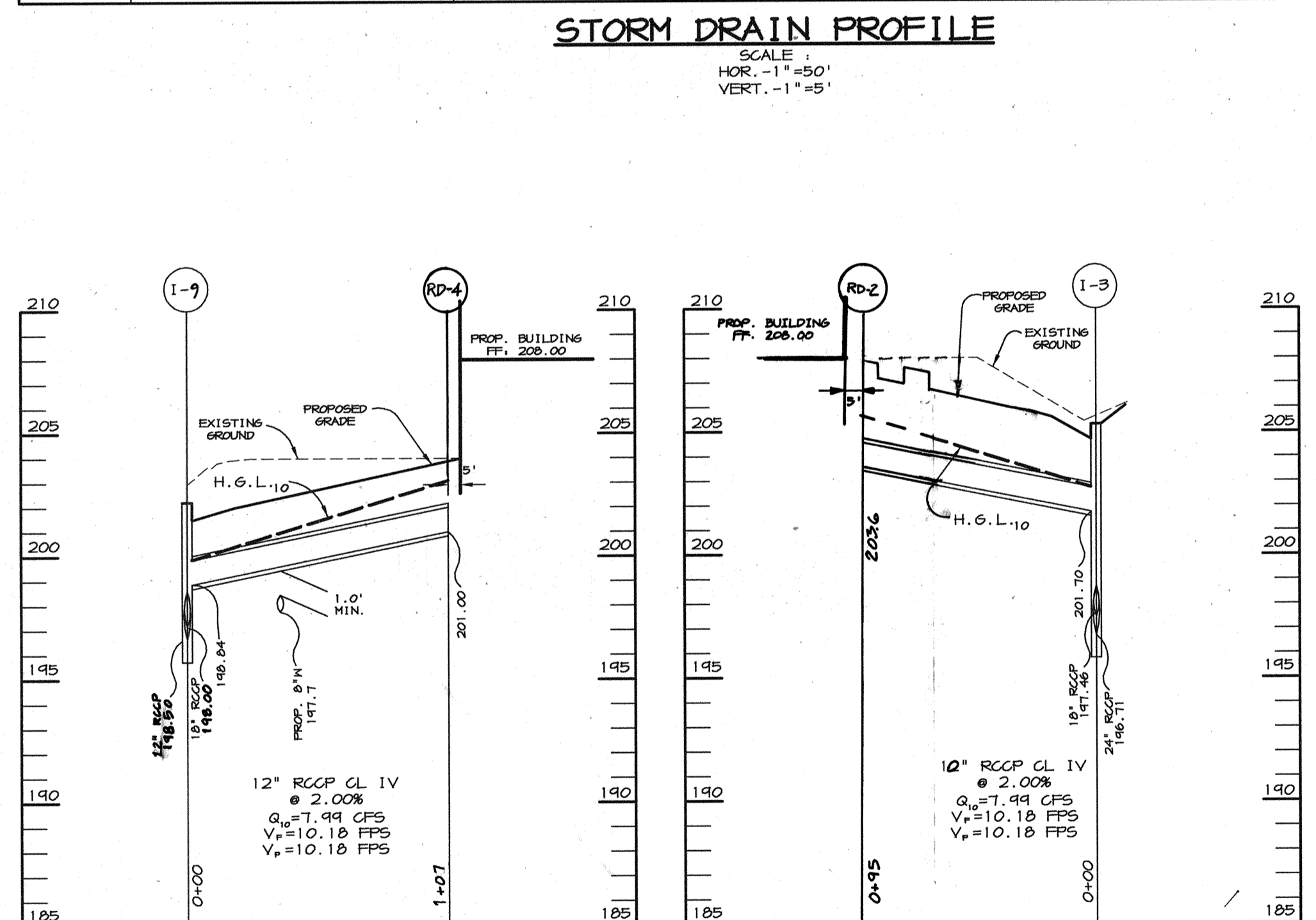
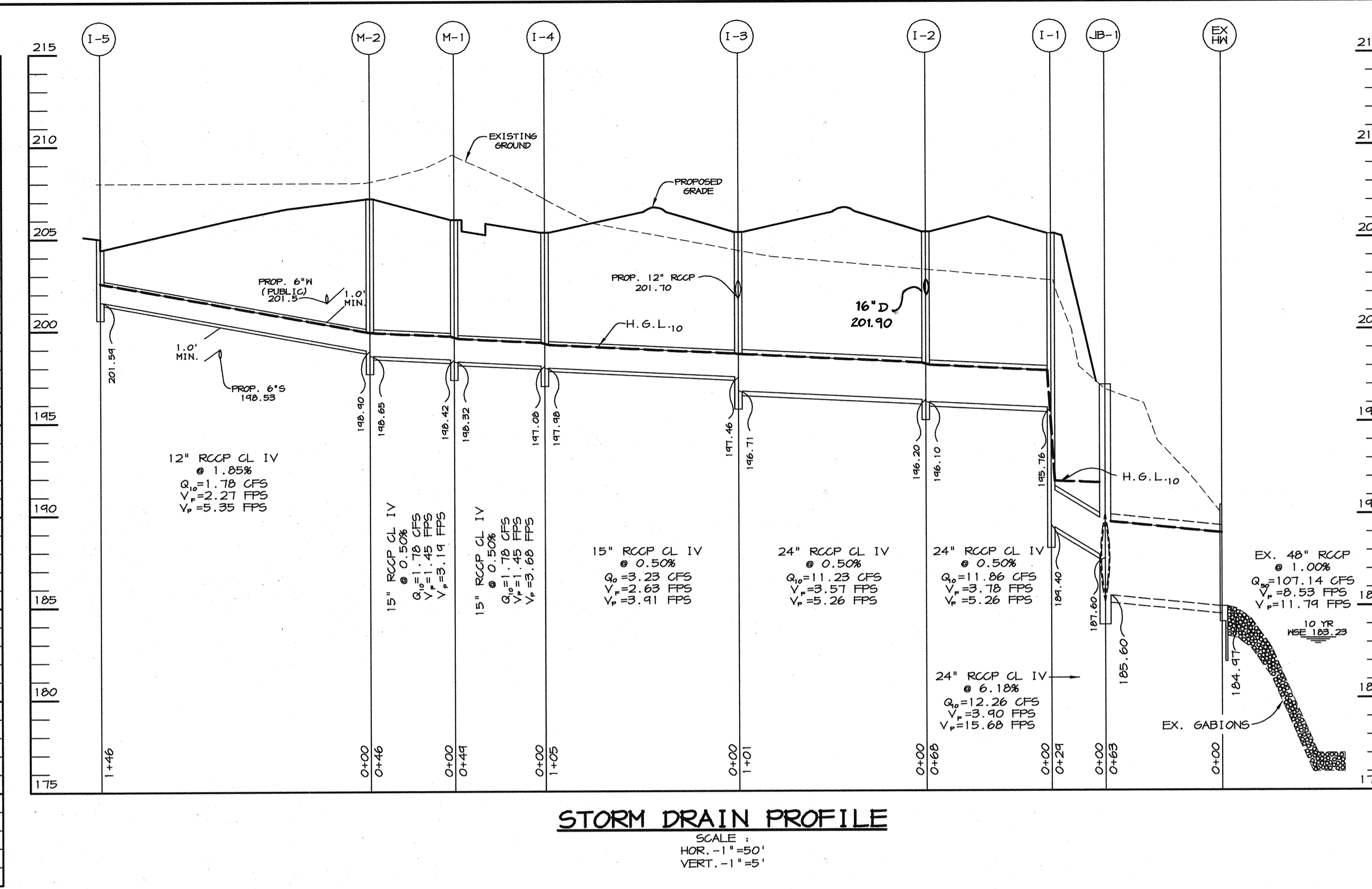
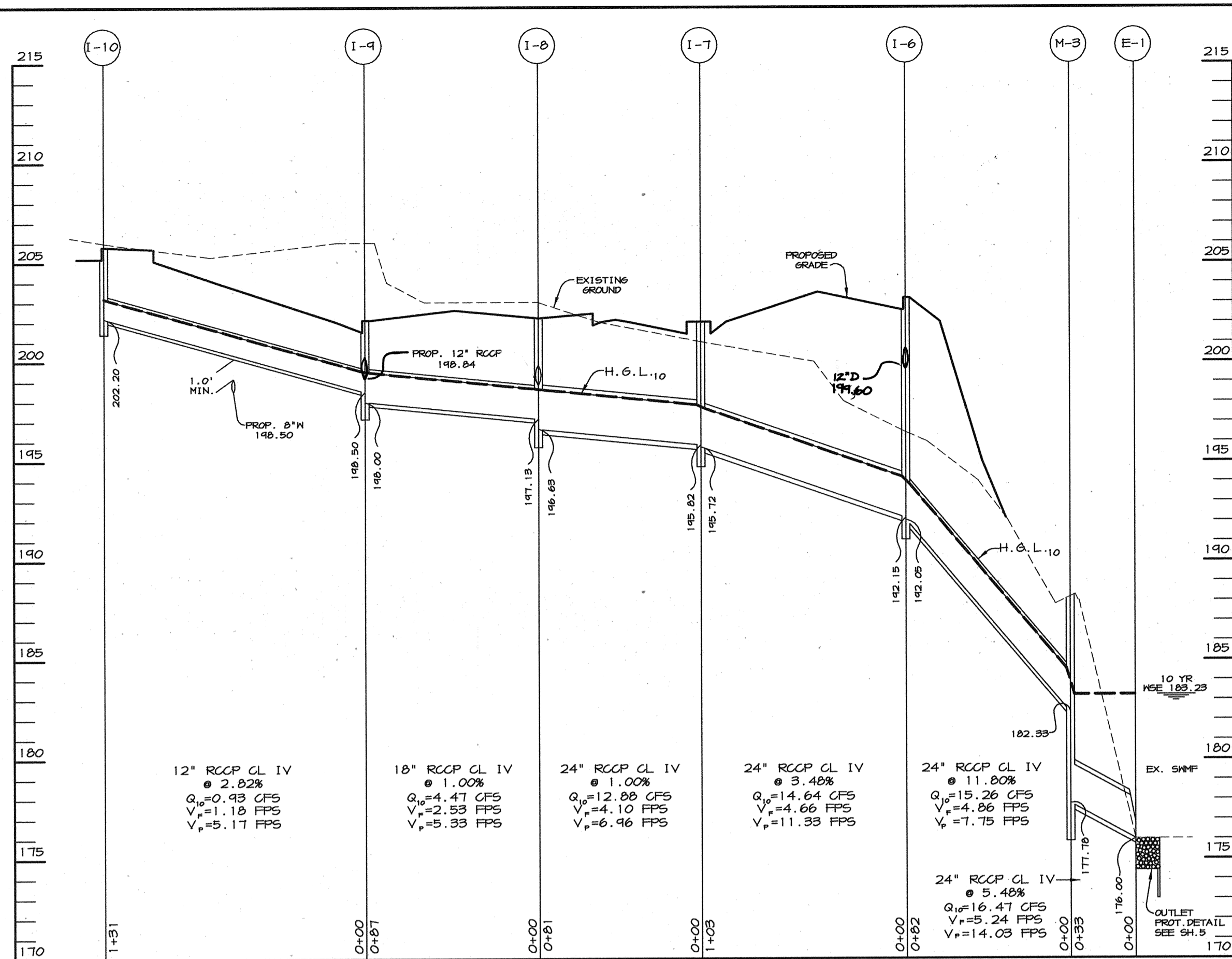
AREA TAX MAP NO. 37 ZONED M-1 PARCEL N
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE GRADING PLAN,
SEDIMENT CONTROL PLAN,
AND DRAINAGE AREA MAP

Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

6.10.03 DATE

DESIGNED BY : CJR
DRAWN BY: DAM
PROJECT NO : 97330
SDP3.DWG
DATE : MAY 30, 2003
SCALE : 1" = 40'
DRAWING NO. 3 OF 7



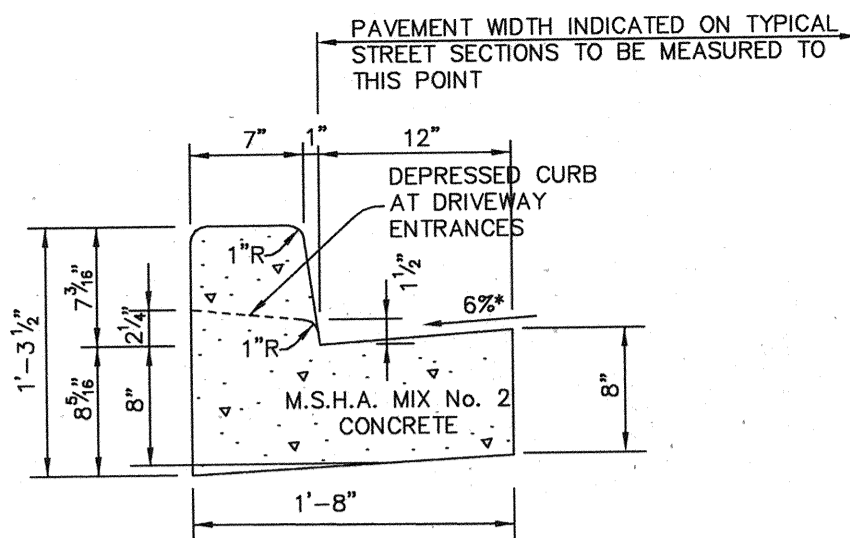
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 DIRECTOR: *John A. ...* DATE: 6/30/03
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 6/30/03

4-23-04	ADDED ROOF DRAIN PROFILES	
DATE	NO.	REVISION
OWNER/DEVELOPER		
MALAGA, LLC 7250 PARKWAY DRIVE, SUITE 130 HANOVER, MARYLAND 21076 410-712-4466		
PROJECT MEADOWRIDGE BUSINESS PARK PARCEL N A WAREHOUSE BUILDING		
AREA TAX MAP NO. 37 ZONED M-1 PARCEL N 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE PROFILE SHEET		

Patton Harris Rust & Associates, pc
 Engineers. Surveyors. Planners. Landscape Architects.
 8818 Centre Park Drive
 Columbia, MD 21045
 T 410.997.8900
 F 410.997.9282

6-18-03
 DATE
 DESIGNED BY: CJR
 DRAWN BY: DAM
 PROJECT NO: 97320
 SDP4.DWG
 DATE: MAY 30, 2003
 SCALE: AS SHOWN
 DRAWING NO. 4 OF 7

CHRISTOPHER J. REID #19949

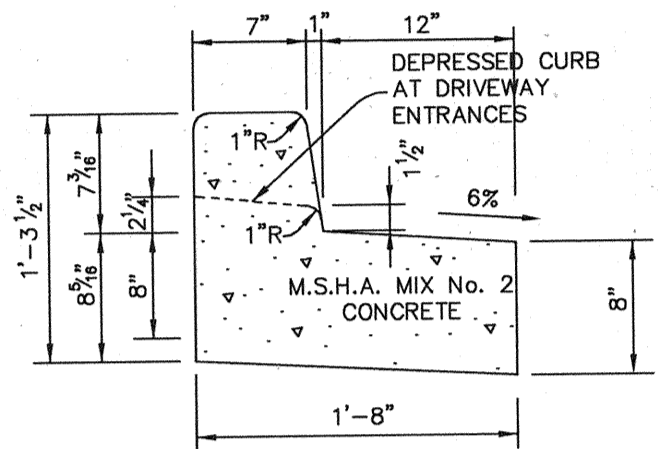


HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-3.01).

* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

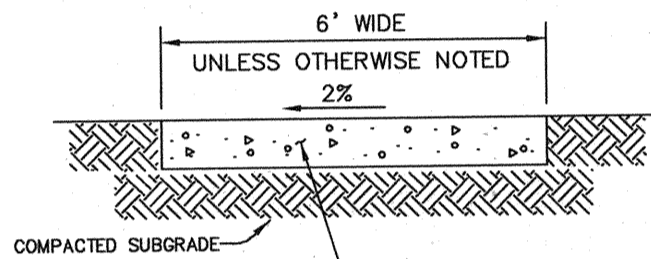
STANDARD 7" COMBINATION CURB AND GUTTER

NO SCALE



REVERSE 7" COMBINATION CURB AND GUTTER

NO SCALE

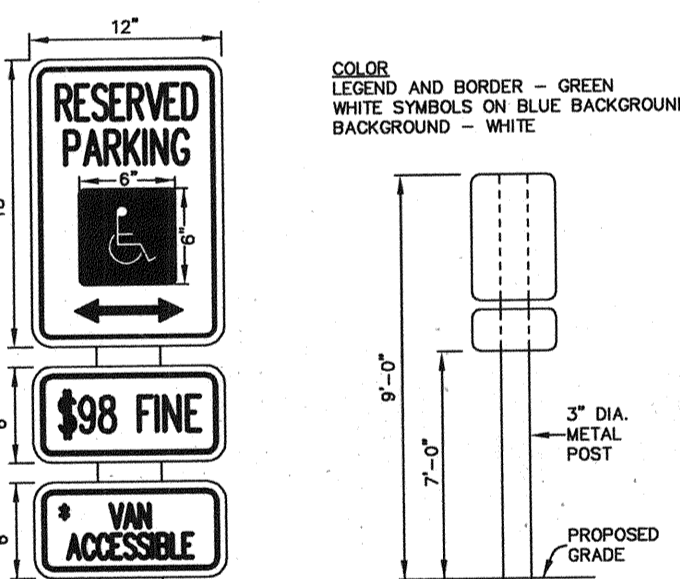


SHA MIX NO. 3 CONCRETE, STIFF BROOM FINISH, REMOVE EDGING TOOL MARKS IN FINISHING.

NOTES: PROVIDE LATITUDINAL EXPANSION JOINTS AT 15' O.C. (MAX.) PROVIDE CONTRACTION (DUMMY) JOINT AT 5' O.C. INTERVALS BETWEEN EXPANSION JOINTS. SIDEWALK TO BE SCRIBED IN 2' MAX. SQUARES.

SIDEWALK DETAIL

NO SCALE



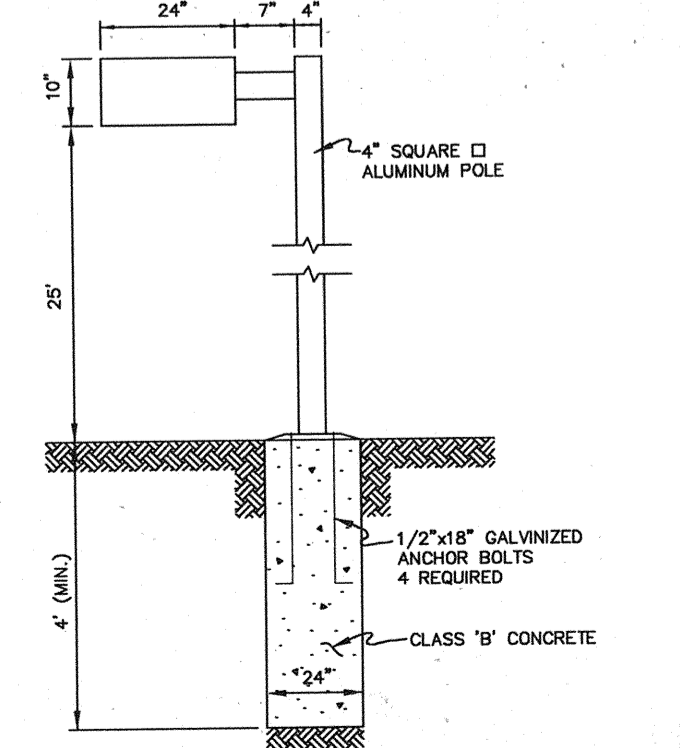
* FOR VAN ACCESSIBLE SPACES ONLY, SEE PLAN FOR LOCATION.

NOTE: DISTANCE FROM GROUND TO BOTTOM OF SIGN TO BE 7'.

HANDICAP SIGN DETAIL

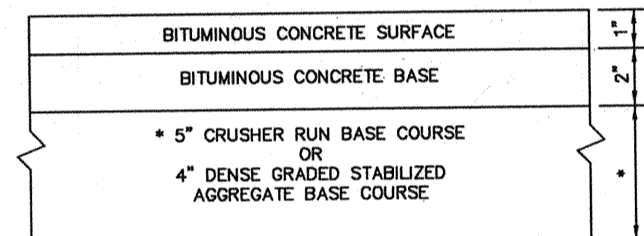
NO SCALE

- ALL LIGHT FIXTURES TO BE SINGLE LUMINAIRE 400 WATT MERCURY TYPE WITH METAL POLES AND DIRECTED DOWNWARD.
- LOCATIONS OF LIGHT FIXTURES ARE ON THE PLAN AND ARE SHOWN THUS.
- LIGHTS TO BE MODULE II TYPE AS MANUFACTURED BY MIDCOAST OR APPROVED EQUAL.
- POLE AND FIXTURE TO HAVE BLACK POLYESTER CHAMEL FINISH.
- POLE TO BE LOCATED 3' BACK FROM BACK OF CURB.

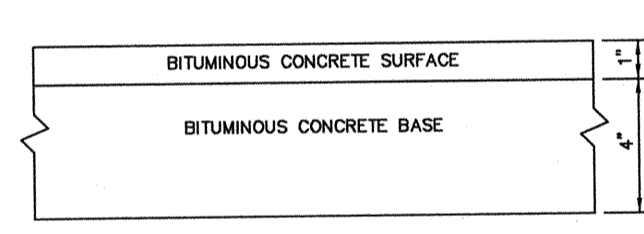


LIGHT POLE DETAIL

NO SCALE

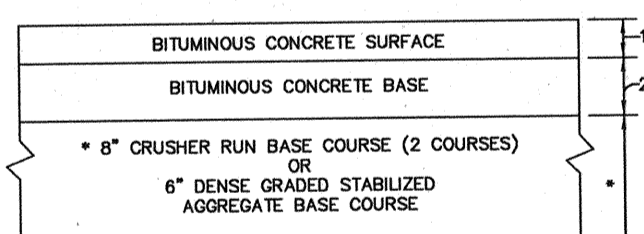


(ALTERNATE)

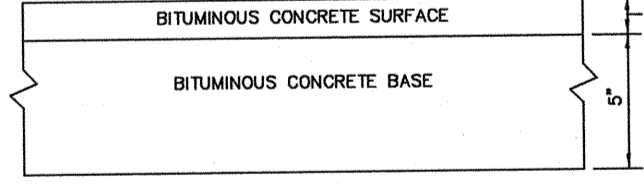


P-1 PAVING

NO SCALE

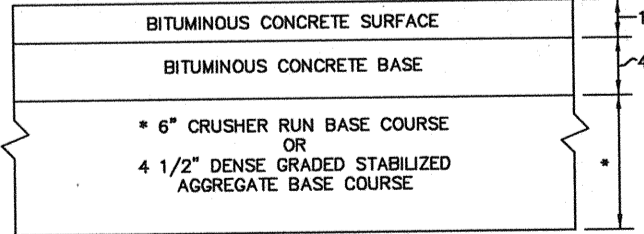


(ALTERNATE)

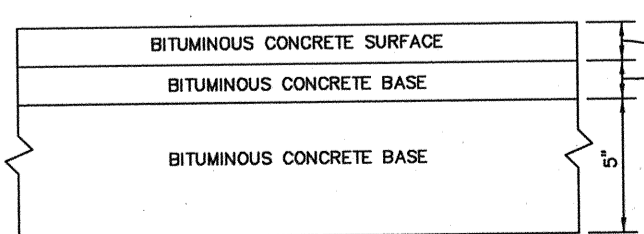


P-2 PAVING

NO SCALE



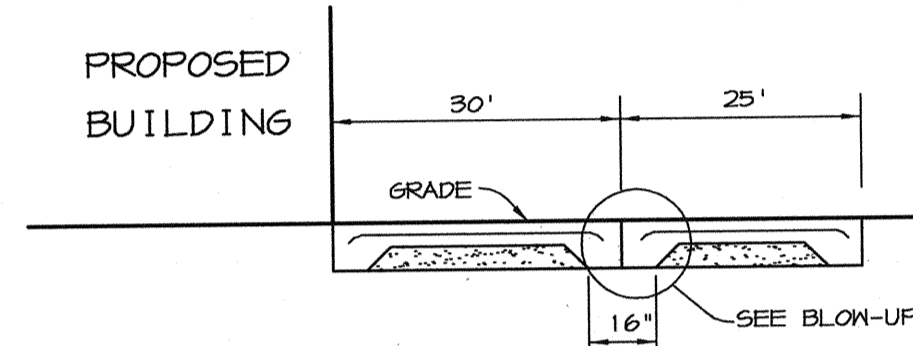
(ALTERNATE)



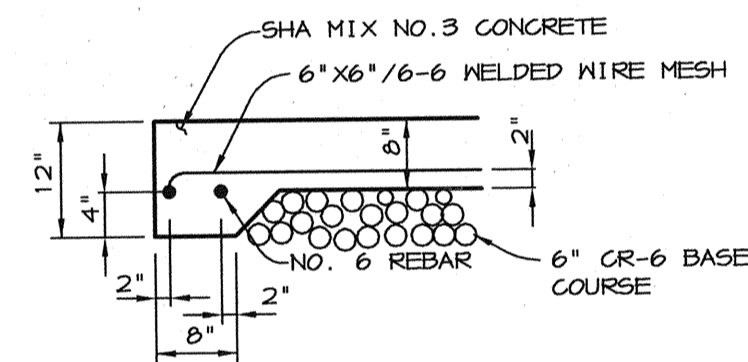
P-3 PAVING

NO SCALE

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



SECTION

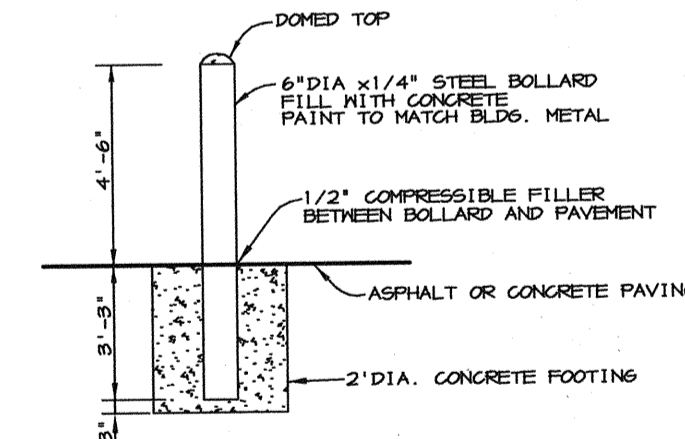


BLOW-UP

- NOTES: 1. SAN JOINTS AT 15' SPACING IN BOTH DIRECTIONS WITH DEPTH OF JOINT EQUAL TO 1/4 DEPTH OF SLAB.
2. CONSTRUCTION JOINTS: AS NEEDED, USING 3/4" DIA. SMOOTH DOVELS COATED TO PREVENT BOND @ 12" O.C. (MAX.) WITH SMOOTH CUT EDGE. DOVELS TO EXTEND 6" INTO CONCRETE ON EACH SIDE OF JOINT.

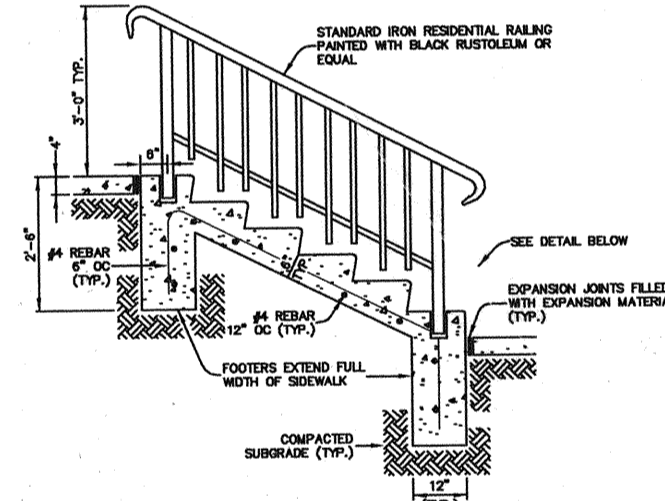
CONCRETE PAD FOR LOADING AREA

NO SCALE



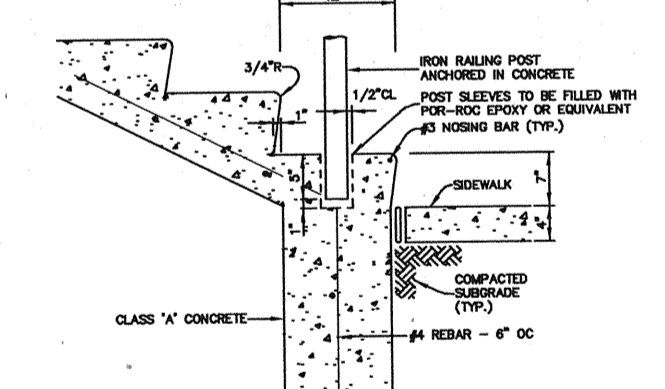
BOLLARD DETAIL

NO SCALE



STEP AND RAILING DETAIL

NO SCALE



TYPICAL CONCRETE STEP WITH RAIL DETAIL

NO SCALE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Stacy Lefty</i> DIRECTOR	6/30/03 DATE
<i>Chad Dammann</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	6/25/03 DATE
<i>Mindy Hennes</i> CHIEF, DIVISION OF LAND DEVELOPMENT	6/20/03 DATE
4-29-04 DELETED HC RAMP DETAILS	
DATE NO.	REVISION
OWNER/DEVELOPER	
MALAGA, LLC 7250 PARKWAY DRIVE, SUITE 130 HANOVER, MARYLAND 21076 410-712-4466	
PROJECT MEADOWRIDGE BUSINESS PARK PARCEL N A WAREHOUSE BUILDING	
AREA TAX MAP NO. 37 ZONED M-1 PARCEL N 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE	
NOTES AND DETAILS	
Patton Harris Rust & Associates,pc Engineers, Surveyors, Planners, Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900 F 410.997.9282	
	DATE 6.16.03
DESIGNED BY : CJR	
DRAWN BY: DAM	
PROJECT NO : 97320	SDP6.DWG
DATE : MAY 30, 2003	
SCALE : AS SHOWN	
DRAWING NO. 6 OF 7	
CHRISTOPHER J. REID #19949	