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3	PLAN & PROFILE TEN OAKS RD. (11+00 TO 24+00)
4	PLAN & PROFILE TEN OAKS RD. (24+00 TO 29+00)
5	PLAN & PROFILE TEN OAKS RD. (29+00 TO 40+68) & DETAILS
6	PLAN & PROFILE ADAMS RIDGE ROAD
7	PLAN & PROFILE ADAMS WAY AND DETAILS
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9	GRADING AND SEDIMENT CONTROL PLAN
10	GRADING & SEDIMENT CONTROL PLAN & DETAILS
11	DRAINAGE AREA MAP
12	STORM DRAIN PROFILES AND DETAILS

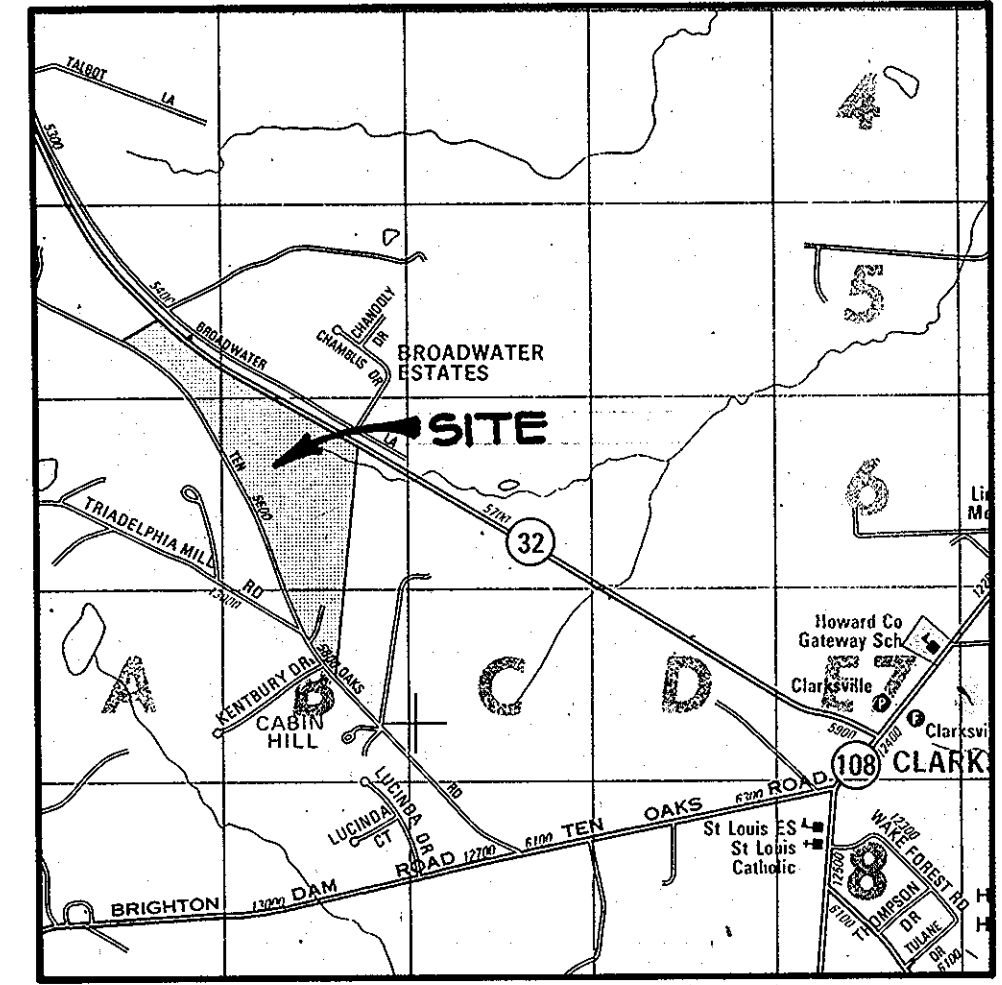
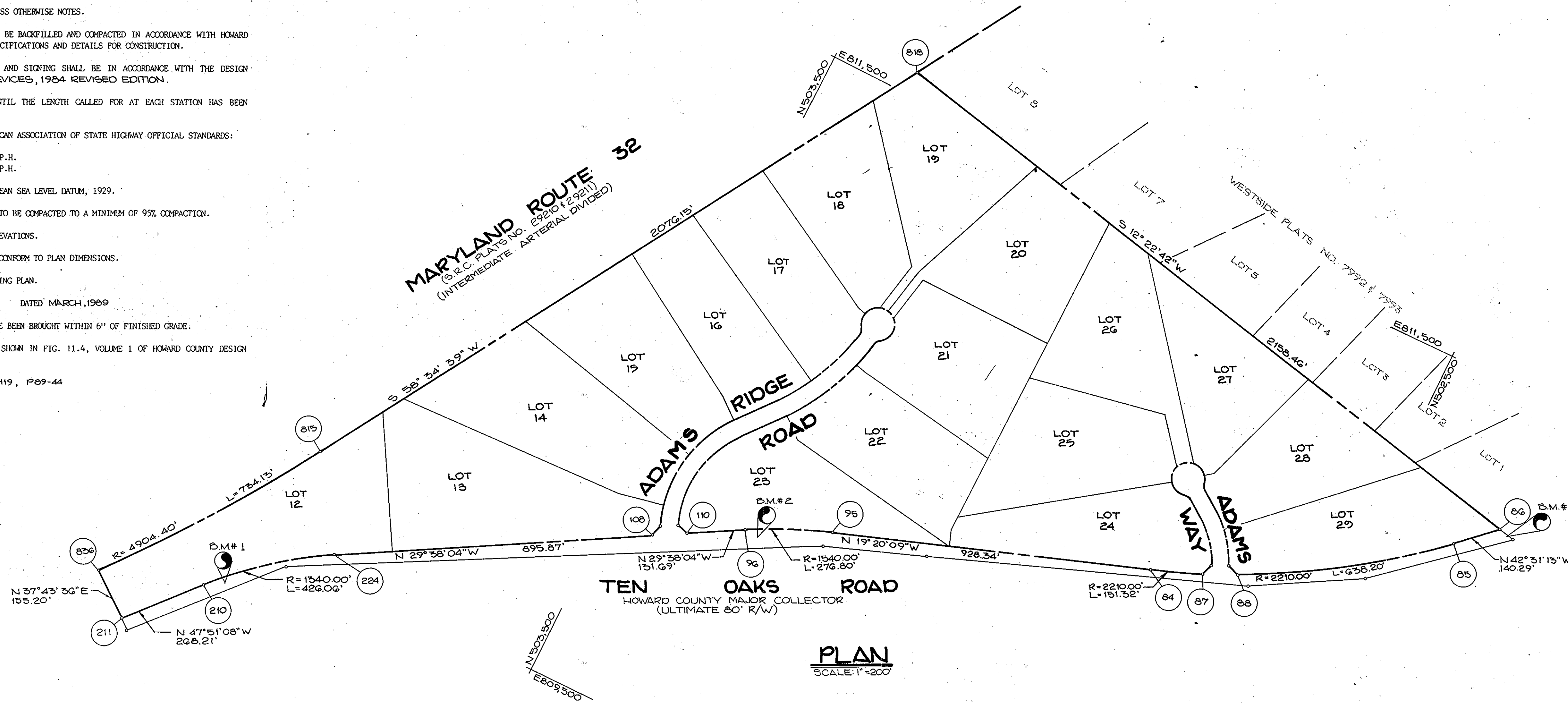
ROADWAYS AND STORM DRAINS ADAMS REACH SECTION TWO 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, 1969 AMENDMENTS.
- 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.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK ON THESE DRAWINGS:

MISS UTILITY	1-800-257-7777
BELL TELEPHONE SYSTEM	393-3649
LONG DISTANCE CABLE DIVISION	393-3553 or 3554
BALTIMORE GAS AND ELECTRIC CO.	539-8000, ext. 691
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)	792-7272
COLONIAL PIPELINE	795-1390
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 35.0' RADII UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING, AND SIGNING SHALL BE IN ACCORDANCE WITH THE DESIGN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1984 REVISED EDITION.
- 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.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS:

ALL 80' RIGHT-OF-WAYS	50 M.P.H.
ALL 50' RIGHT-OF-WAYS	30 & 25 M.P.H.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED R PER COMPREHENSIVE ZONING PLAN.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED MARCH, 1969 BY RIEMER, MUEGGE & ASSOC.
- 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.
- SEE DEPT. OF PLANNING AND ZONING FILE Nos. S-08-119, P09-44



VICINITY MAP
SCALE: 1" = 2000'

BENCH MARKS

- B.M. # 1 ELEV. 204.52
R.R. SPIKE SET IN G.I.E. POLE # 79312,
OPPOSITE E. STA. 3+30 ± TEN OAKS ROAD.
- B.M. # 2 ELEV. 543.15
R.R. SPIKE SET IN G.I.E. POLE # 238254,
OPPOSITE E. STA. 10+02 ± TEN OAKS ROAD.
- B.M. # 3 ELEV. 517.17
R.R. SPIKE SET IN G.I.E. POLE # 34,
OPPOSITE E. STA. 40+80 ± TEN OAKS ROAD.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Mark S. Taylor 2/24/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 15

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul W. ... 1/25/90
CHIEF, LAND DEVELOPMENT DIVISION DATE
James W. ... 1/22/89
CHIEF, BUREAU OF HIGHWAYS DATE

William ... 1-26-90
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER/DEVELOPER
SAC MID DEVELOPMENT LIMITED PARTNERSHIP
56 MP ASSOCIATES
5901 NATIONAL DRIVE SUITE 100
BURTONSVILLE, MARYLAND 20886

PROJECT: S08-119 P09-44
ADAMS REACH
(SECTION TWO)

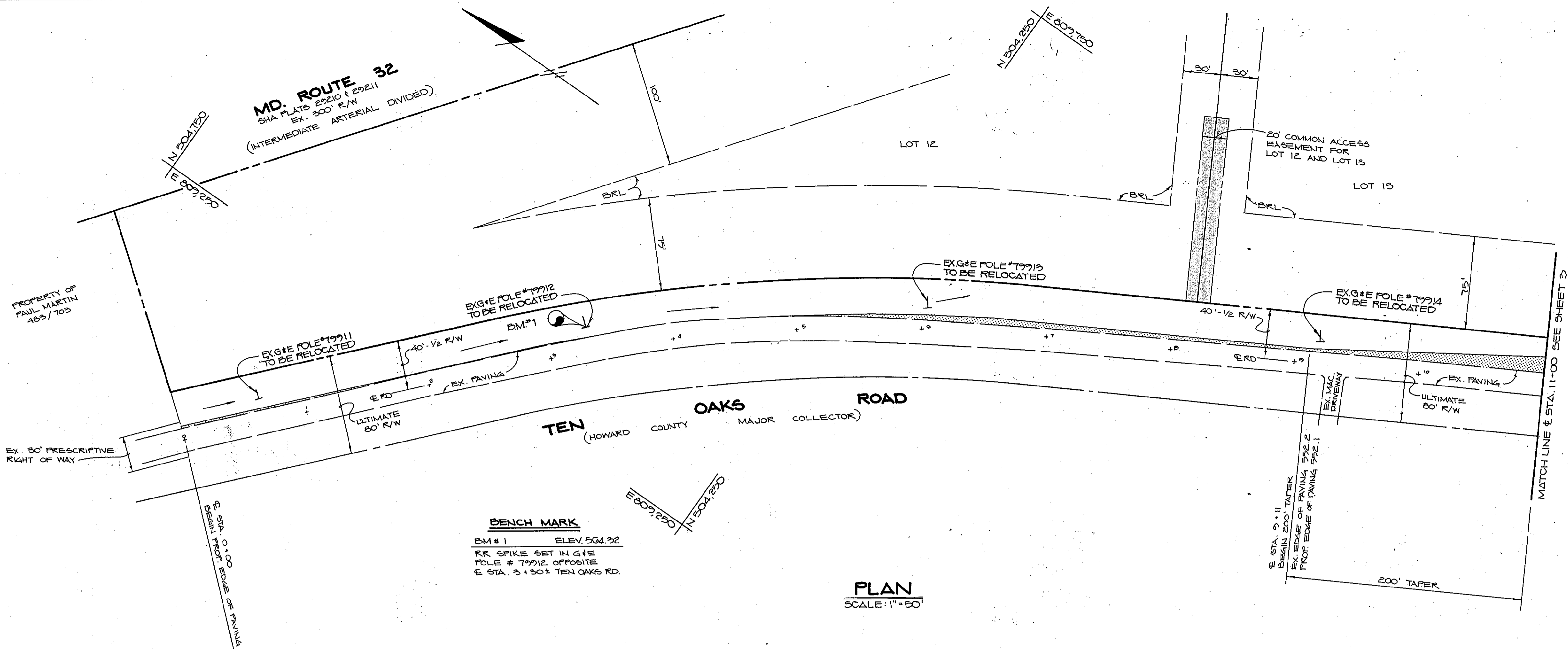
AREA: TAX MAP 28-34 PARCEL 240 ZONED R
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: **TITLE SHEET**

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

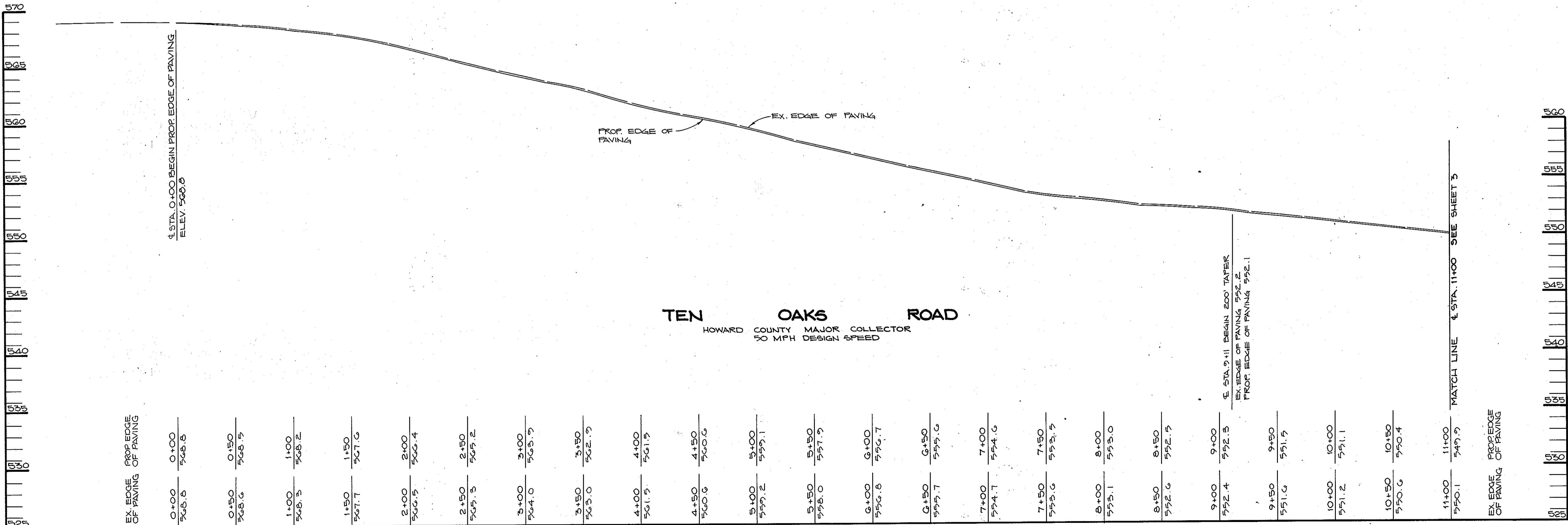
11-7-89 DATE	DESIGNED BY: D.E.G.
	DRAWN BY: C.B.B.
	PROJECT NO: 52305
	DATE: JUNE 7, 1989
	SCALE: AS SHOWN
	DRAWING NO. 1 OF 12

NOTE: ARMY CORPS OF ENGINEERS AND DEPT. OF ENVIRONMENT PERMITS UNDER SECTIONS 404 & 401 RESPECTIVELY ARE NOT REQUIRED FOR CONSTRUCTION WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THIS SET OF DRAWINGS.



BENCH MARK
 BM #1 ELEV. 504.72
 RR SPIKE SET IN G#1E
 POLE # 19912 OPPOSITE
 E. STA. ± 130 ± TEN OAKS RD.

PLAN
 SCALE: 1" = 50'



TEN OAKS ROAD
 HOWARD COUNTY MAJOR COLLECTOR
 50 MPH DESIGN SPEED

PROFILE
 SCALE: HOR: 1" = 50'
 VERT: 1" = 5'

1437

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Frank J. ... 2/25/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE 2/25/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul ... 1/25/90
 CHIEF, LAND DEVELOPMENT DIVISION
Francis W. ... 11/22/89
 CHIEF, BUREAU OF HIGHWAYS
William ... 1-26-90
 CHIEF, BUREAU OF ENGINEERING
 DATE 1-26-90

DATE	NO.	REVISION

OWNER/DEVELOPER
 SAC-IMP DEVELOPMENT LIMITED PARTNERSHIP
 C/O IMP ASSOCIATES
 2701 NATIONAL DRIVE SUITE 100
 BURTONSVILLE, MARYLAND 20866

PROJECT: 560-117 P07-44
ADAMS REACH
 (SECTION TWO)

AREA: TAX MAP 26#24 PARCEL 240 ZONED-R
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

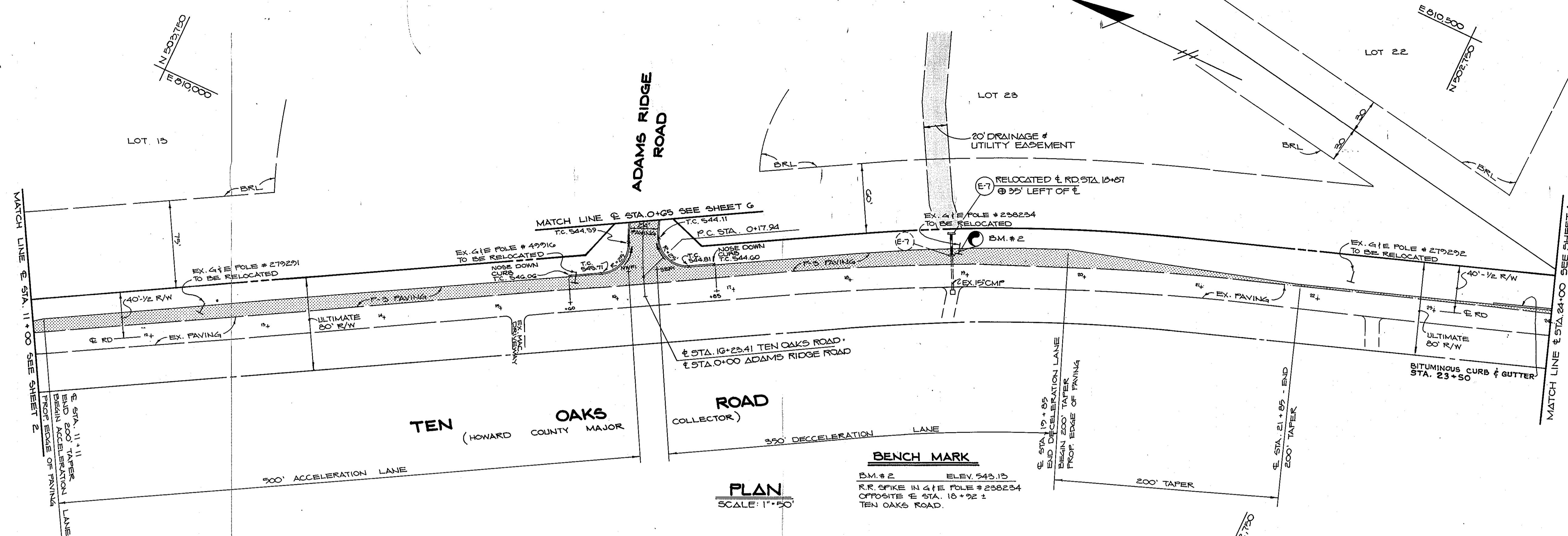
TITLE: **PLAN & PROFILE**
TEN OAKS ROAD
 E. STA. 0+00 TO E. STA. 11+00

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

11-7-89
 DATE

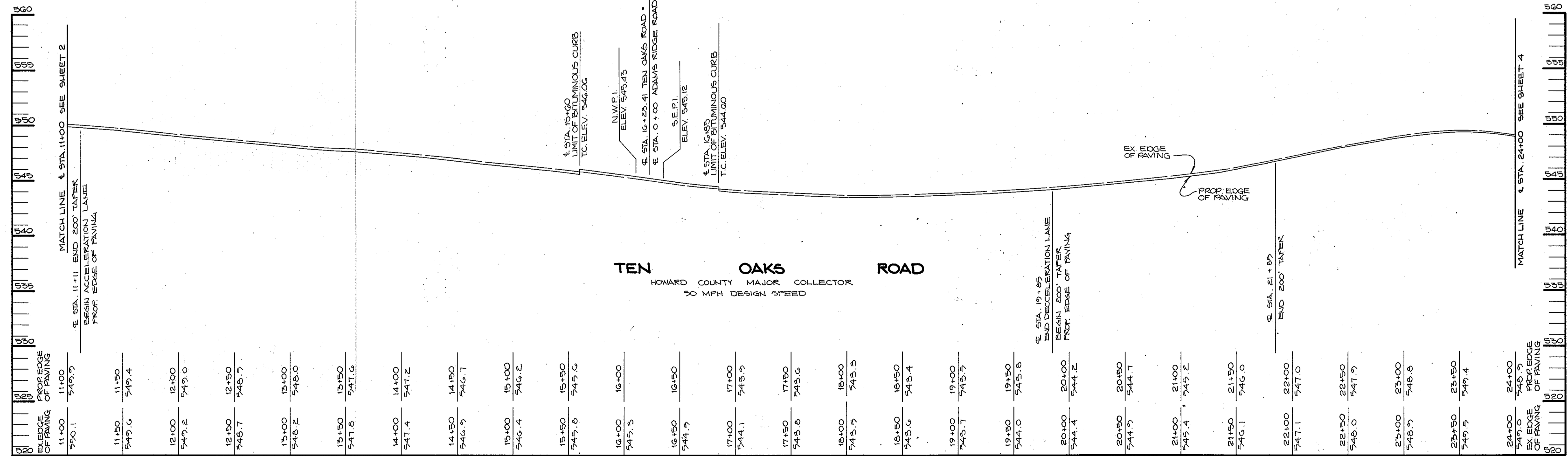
DESIGNED BY: DBS / C.D.
 DRAWN BY: DBS / C.D.
 PROJECT NO: 52205
 DATE: JUNE 7, 1989
 SCALE: AS SHOWN
 DRAWING NO. 2 OF 12

Arthur E. Muegge
 ARTHUR E. MUEGGE - P.E.



PLAN
SCALE: 1"=50'

BENCH MARK
B.M. # 2 ELEV. 543.15
R.R. SPIKE IN 4 1/2" POLE # 238234
OPPOSITE E STA. 16+92 ±
TEN OAKS ROAD.



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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
David J. Vanghe 4/25/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE 4/25/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul J. ... 1/25/90
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE 1/25/90

Draville W. ... 11/22/89
 CHIEF, BUREAU OF HIGHWAYS
 DATE 11/22/89

... 1-26-90
 CHIEF, BUREAU OF ENGINEERING
 DATE 1-26-90

2/1/94	1	ADDED B.Y.T. C.F.G. @ STA. 23+50 TO OAKS RD.
DATE	NO.	REVISION

OWNER/DEVELOPER
 PAC-MP DEVELOPMENT LIMITED PARTNERSHIP
 C/O MP ASSOCIATES
 3901 NATIONAL DRIVE SUITE 100
 BURTONTVILLE, MARYLAND 20866

PROJECT: 588-119 P87-44
ADAMS REACH
 (SECTION TWO)

AREA TAX MAP 284 34 PARCEL 240 ZONED R
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE:
PLAN & PROFILE
TEN OAKS ROAD
 E STA. 11+00 TO E STA. 24+00

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

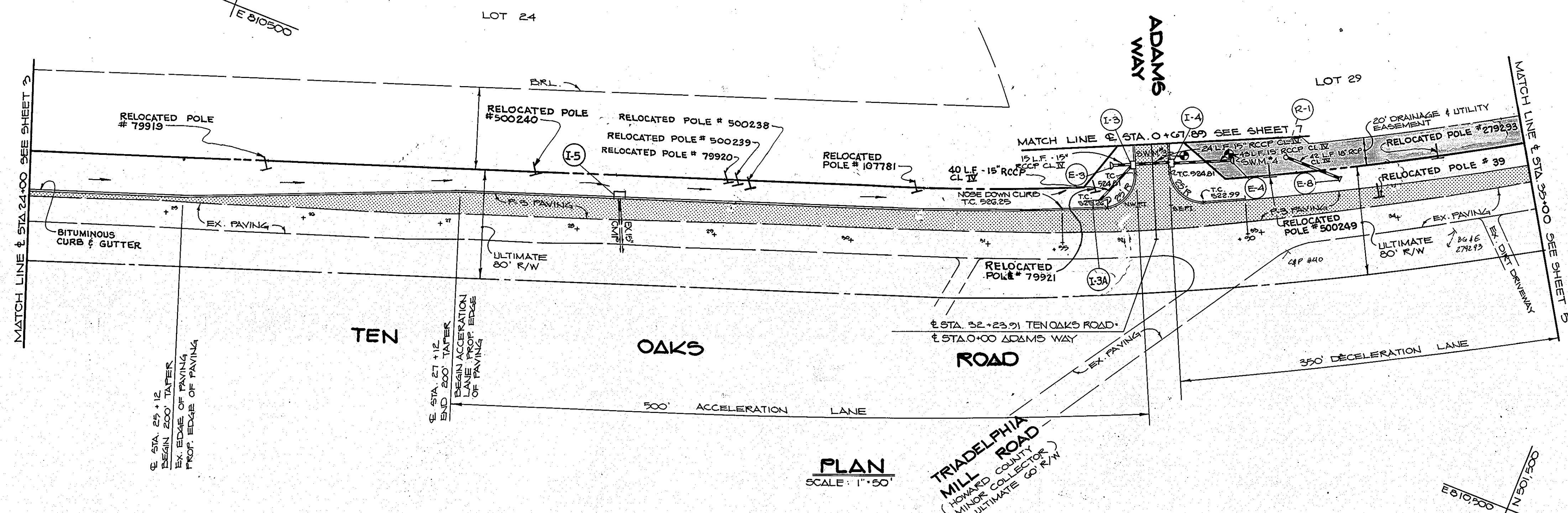
11-7-89
 DATE

DESIGNED BY: DBS/CB
 DRAWN BY: DBS/CB
 PROJECT NO: 52203
 DATE: JUNE 7, 1989
 SCALE: AS SHOWN
 DRAWING NO. 3 OF 12

E 611,000
N 201,500

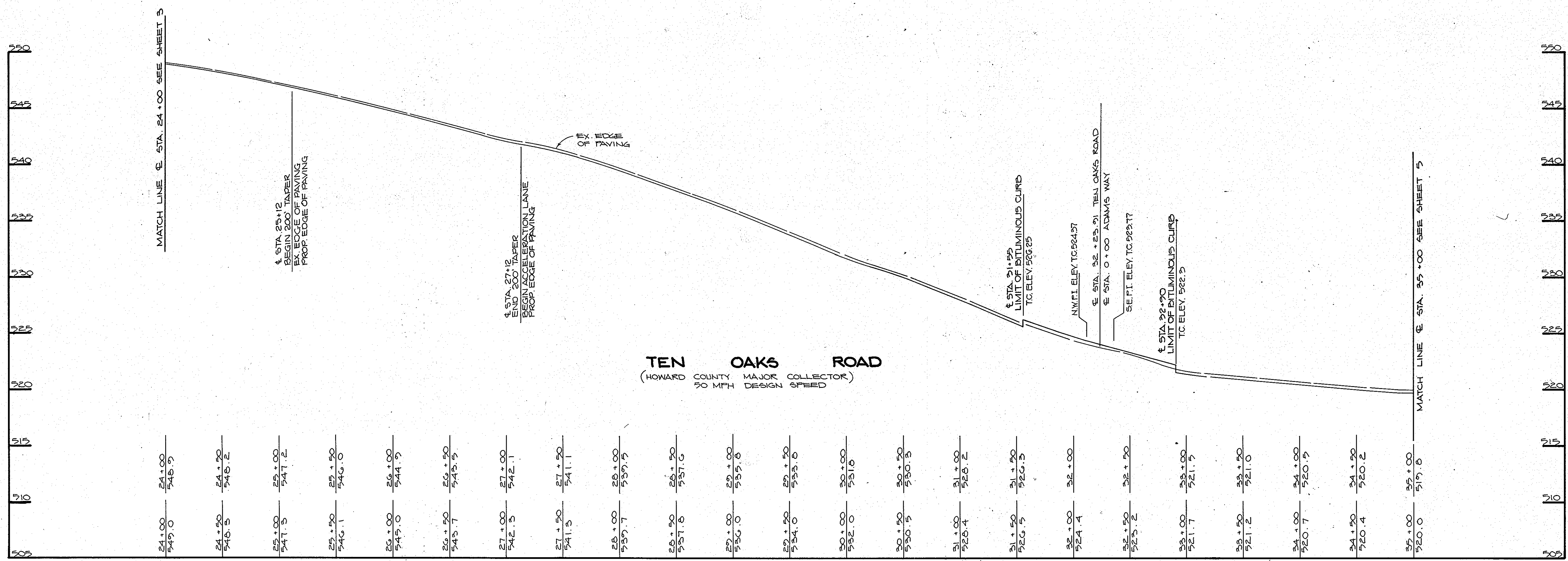
N 502,500
E 610,500

E 610,500
N 501,500



PLAN
SCALE: 1"=50'

**TRIADAPLHIA
MILL ROAD**
(HOWARD COUNTY
MAJOR COLLECTOR)
ULTIMATE 60' R/W



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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Mark J. Cagle 1/25/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul J. Ryan 1/25/90
 CHIEF, LAND DEVELOPMENT DIVISION DATE
Granville W. Wehner 1/22/89
 CHIEF, BUREAU OF HIGHWAYS DATE
William B. Ryan 1-26-90
 CHIEF, BUREAU OF ENGINEERING DATE

2/1/94 1 Add. Bit. Curb Fr. Sta. 24+00 To Sta. 31+55; Relocated 9.1E/C&P Poles. Add I-3A, I-5.
 DATE NO. REVISION

OWNER/DEVELOPER
 PAC-MP DEVELOPMENT LIMITED PARTNERSHIP
 C/O MP ASSOCIATES
 7701 NATIONAL DRIVE SUITE 100
 BURTONSVILLE, MARYLAND 20866

PROJECT: 500-117 P09-44
ADAMS REACH
 (SECTION TWO)

AREA TAX MAP 20424 PARCEL 240 ZONED R
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE:
PLAN & PROFILE
TEN OAKS ROAD
 ± STA. 24+00 TO ± STA. 33+00

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

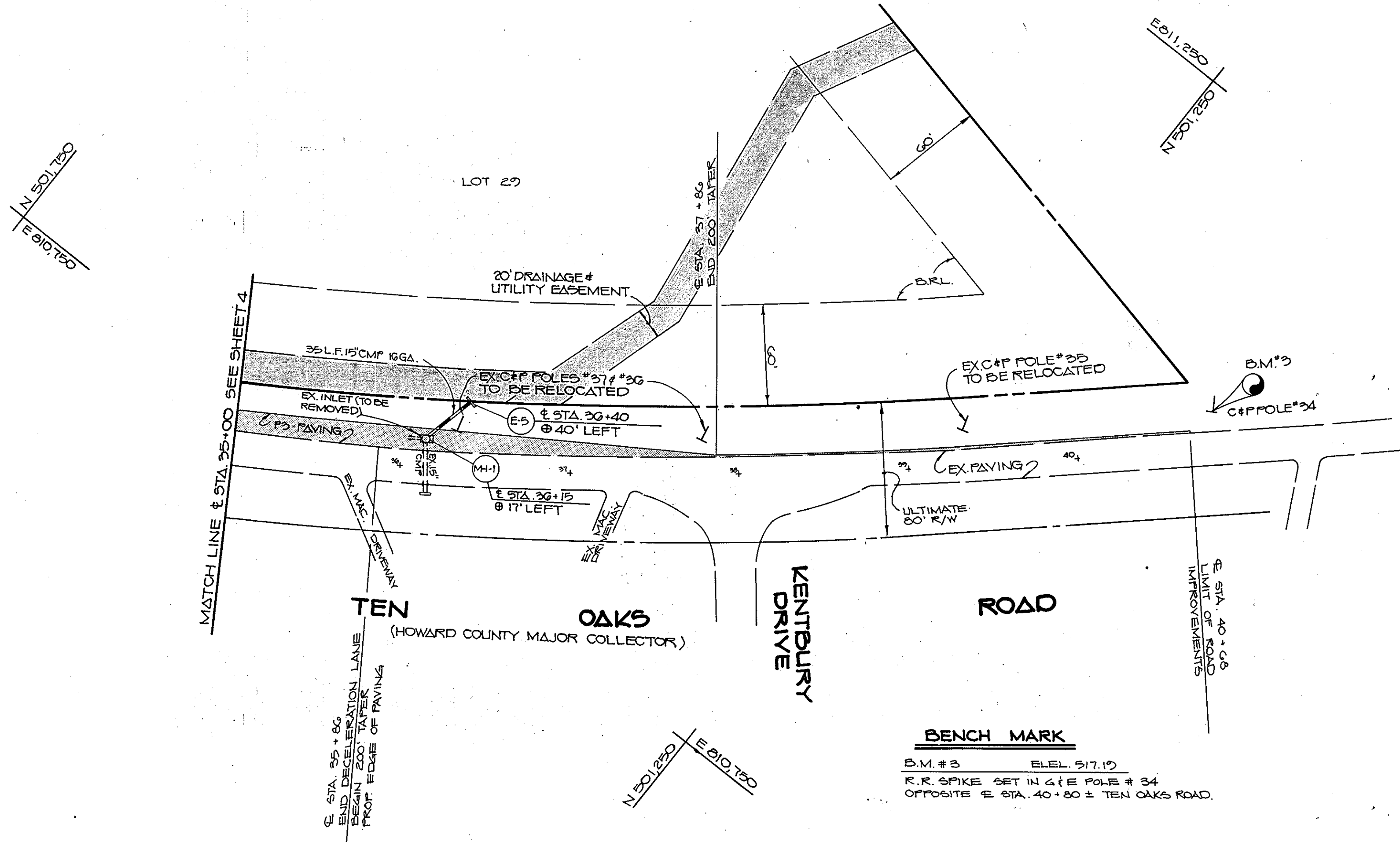
11-7-89
 DATE

DESIGNED BY: DBS/CB
 DRAWN BY: DBS/CB
 PROJECT NO: 52305
 DATE: JUNE 7, 1989
 SCALE: AS SHOWN
 DRAWING NO. 4 OF 12

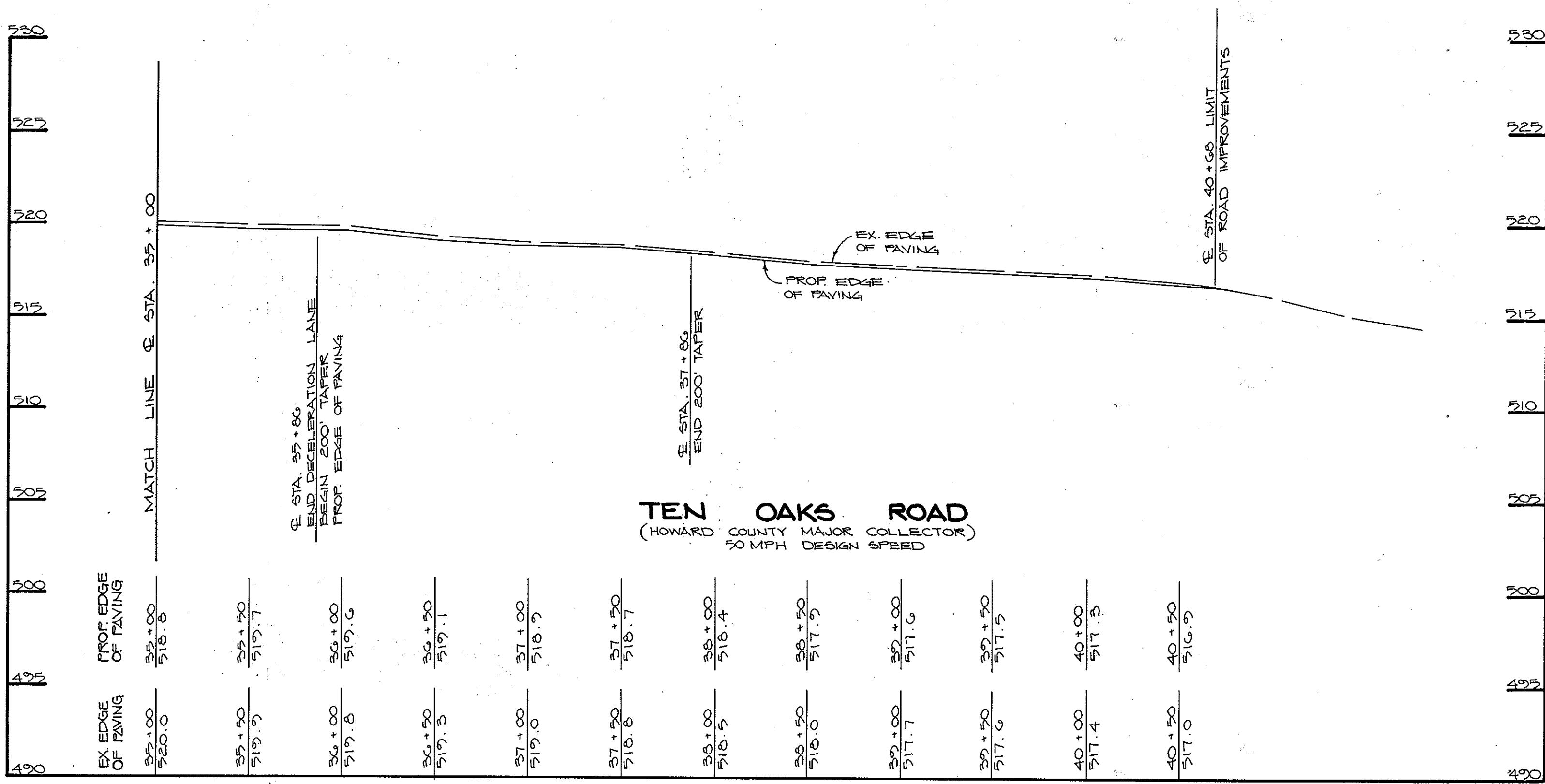
ARTHUR E. MUEGGE 16107

1437

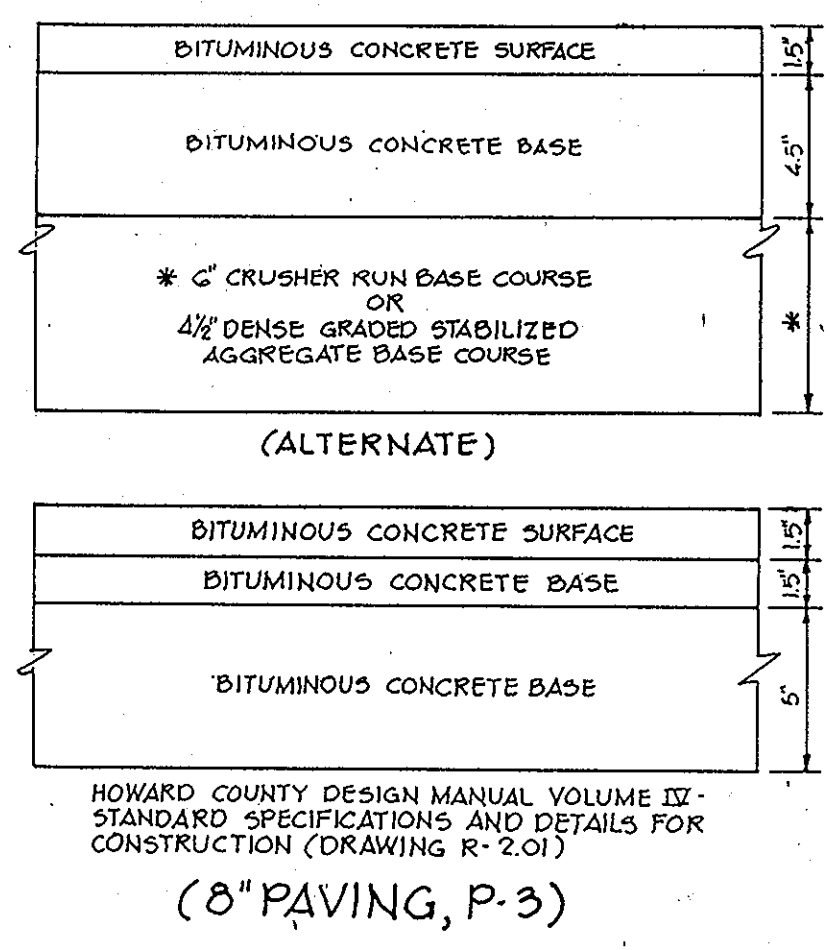
MARYLAND BLUEPRINT CO., INC. 12500P



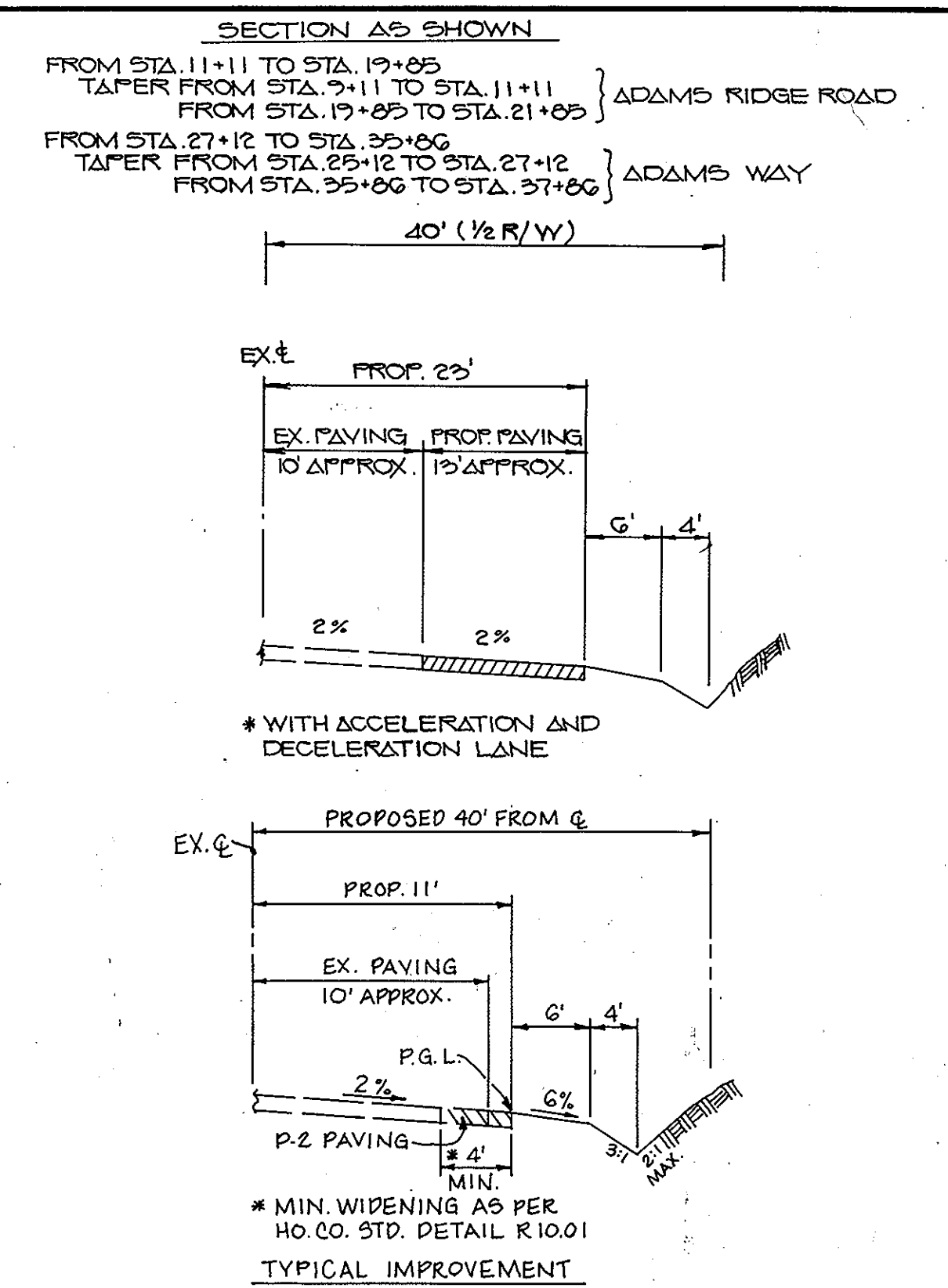
PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HOR 1" = 20'
VERT. 1" = 5'



HOWARD COUNTY DESIGN MANUAL VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-201)
(8" PAVING, P-3)



TEN OAKS ROAD WIDENING DETAIL
NO SCALE
(HOWARD COUNTY MAJOR COLLECTOR)
(50 MPH DESIGN SPEED)

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
March S. K. Taylor 4/25/89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul H. Ryan 1/25/90
CHIEF, LAND DEVELOPMENT DIVISION DATE

Francis W. Wasson 11/22/89
CHIEF, BUREAU OF HIGHWAYS DATE

Michael S. Ryan 1-26-90
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER/DEVELOPER
B&C-MP DEVELOPMENT LIMITED PARTNERSHIP
C/O MP ASSOCIATES
2701 NATIONAL DRIVE SUITE 100
BLURTONSVILLE, MARYLAND 20888

PROJECT: 588-119 P07-44
ADAMS REACH
(SECTION TWO)

AREA TAX MAP 28-34 PARCEL 240 ZONED R
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: PLAN & PROFILE
TEN OAKS ROAD & DETAILS
E. STA. 35+00 TO E. STA. 40+00

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

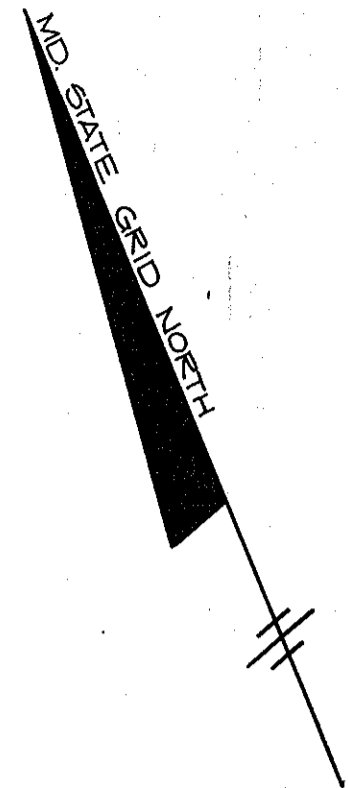
11-7-89
DATE

DESIGNED BY: DBS/CB
DRAWN BY: DBS/CB
PROJECT NO: 52305
DATE: JUNE 7 1989
SCALE: AS SHOWN
DRAWING NO. 5 OF 12

ARTHUR E. MUEGGE 85107

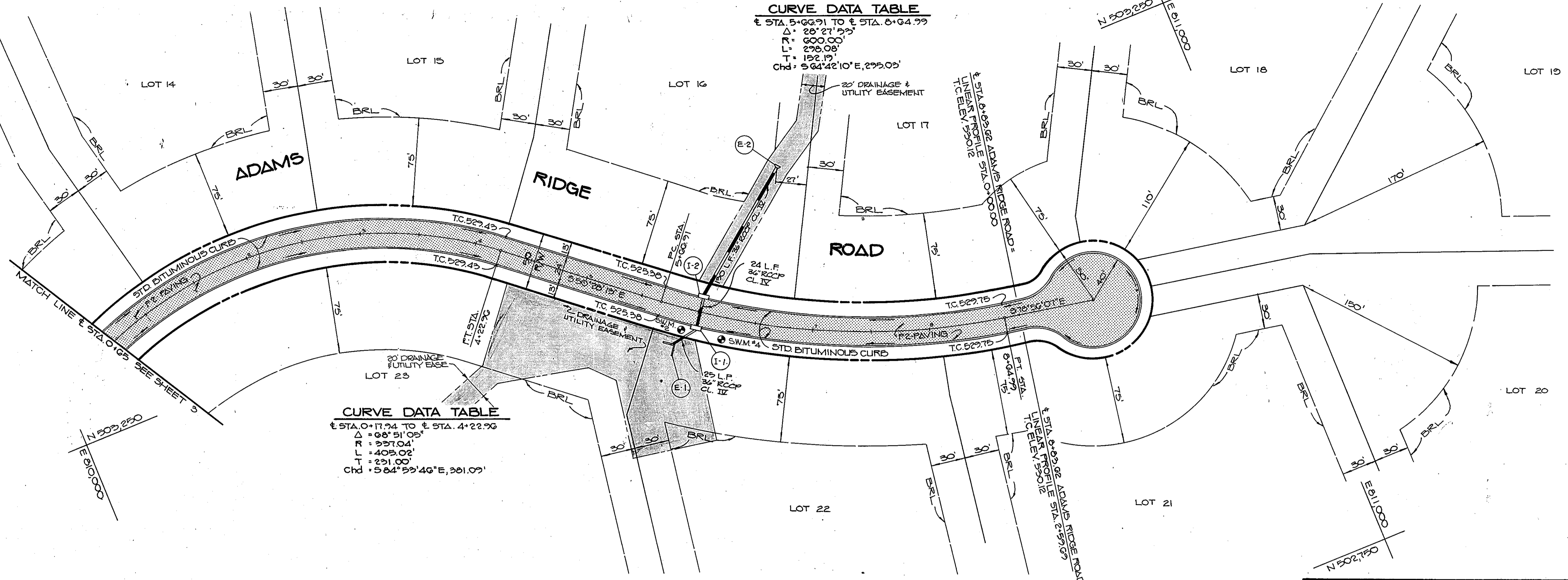
1437

MARYLAND BLUEPRINT CO., INC. N0000



CURVE DATA TABLE
 ± STA. 5+66.91 TO ± STA. 6+64.99
 Δ = 26° 27' 53"
 L = 600.00'
 L.P. = 279.98'
 T = 192.19'
 Chd = 564° 42' 10" E, 299.05'

CURVE DATA TABLE
 ± STA. 0+17.74 TO ± STA. 4+22.96
 Δ = 68° 51' 05"
 L = 597.04'
 L.P. = 408.02'
 T = 231.00'
 Chd = 564° 59' 46" E, 361.09'



PLAN
 SCALE: 1" = 50'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Handwritten signature 2/25/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Handwritten signature 1/25/90
 CHIEF, LAND DEVELOPMENT DIVISION
Handwritten signature 11/22/89
 CHIEF, BUREAU OF HIGHWAYS
Handwritten signature 1-26-90
 CHIEF, BUREAU OF ENGINEERING

DATE NO. REVISION
 OWNER/DEVELOPER
 SAC-MP DEVELOPMENT LIMITED PARTNERSHIP
 C/O MP ASSOCIATES
 3201 NATIONAL DRIVE SUITE 100
 BURTONSVILLE, MARYLAND 20866

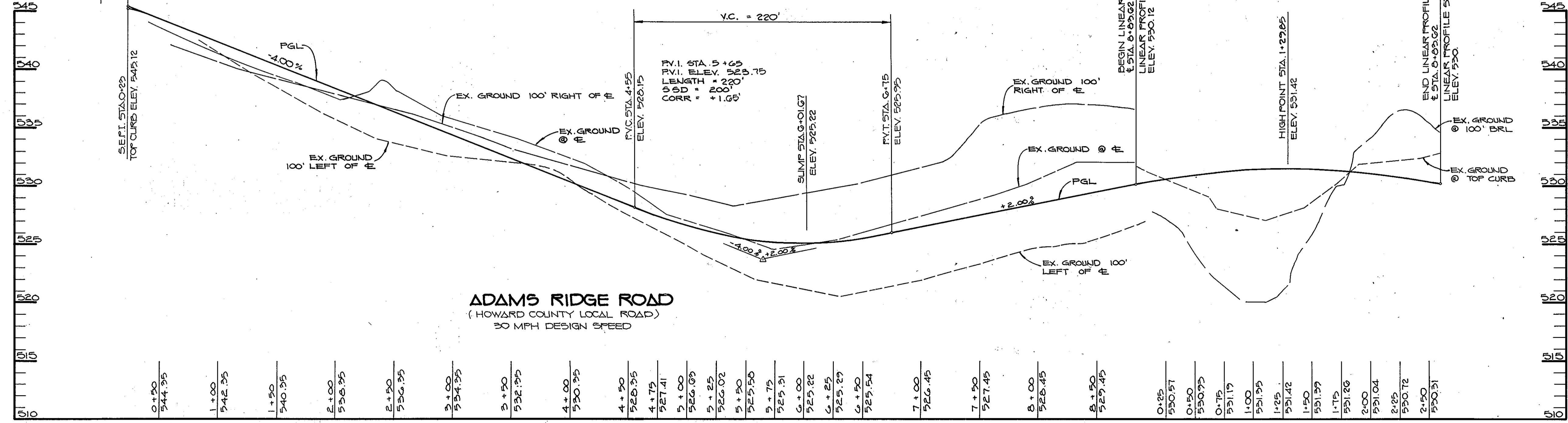
PROJECT: 588-119 F09-44
ADAMS REACH
 (SECTION TWO)
 AREA TAX MAPS 28 & 34 PARCEL 240 ZONE-R
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: **PLAN & PROFILE**
ADAMS RIDGE ROAD

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

11-7-89
 DATE
 DESIGNED BY: D.B.S.
 DRAWN BY: D.O.S.
 PROJECT NO: 52305
 DATE: JUNE 1989
 SCALE: AS SHOWN
 DRAWING NO. 6 OF 12

± STA. 16+23.41 TEN OAKS ROAD
 ± STA. 0+00 ADAMS RIDGE ROAD
 N.W. 1/4 STA. 0+23
 TOP CURB ELEV. 545.47



PROFILE
 SCALE: HORI. 1" = 50'
 VERT. 1" = 5'

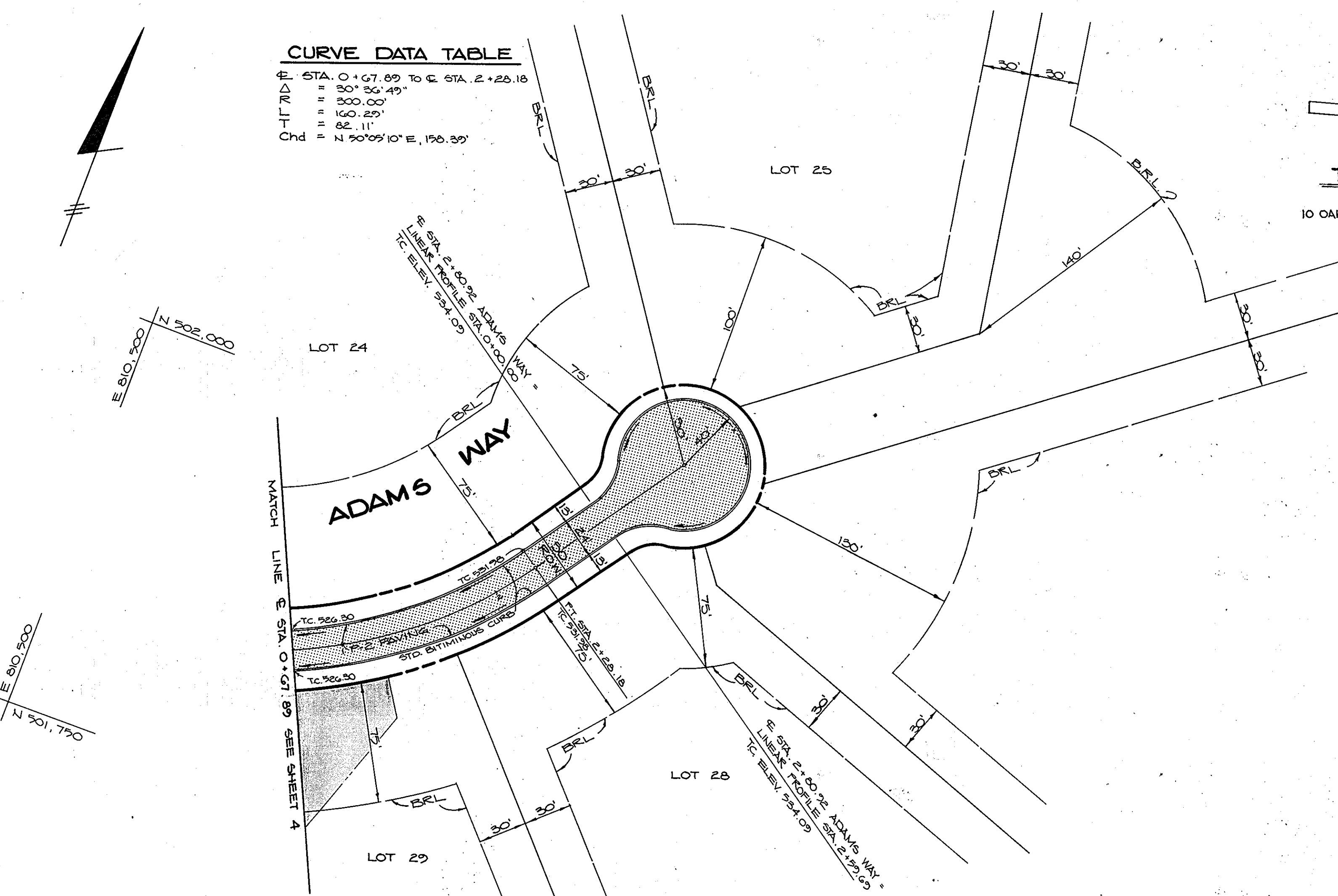
0+50	544.35	1+00	542.35	1+50	540.35	2+00	538.35	2+50	536.35	3+00	534.35	3+50	532.35	4+00	530.35	4+50	528.35	4+79	527.41	5+00	526.05	5+25	526.02	5+50	525.50	5+75	525.31	6+00	525.22	6+25	525.29	6+50	525.54	7+00	526.45	7+50	527.45	8+00	528.45	8+50	527.45	0+25	530.57	0+50	530.73	0+75	531.19	1+00	531.35	1+25	531.42	1+50	531.39	1+75	531.26	2+00	531.04	2+25	530.72	2+50	530.31
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1437

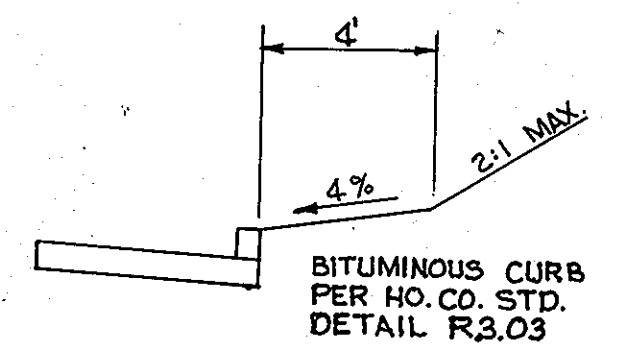
MARYLAND BLUEPRINT CO. INC. 10822

CURVE DATA TABLE

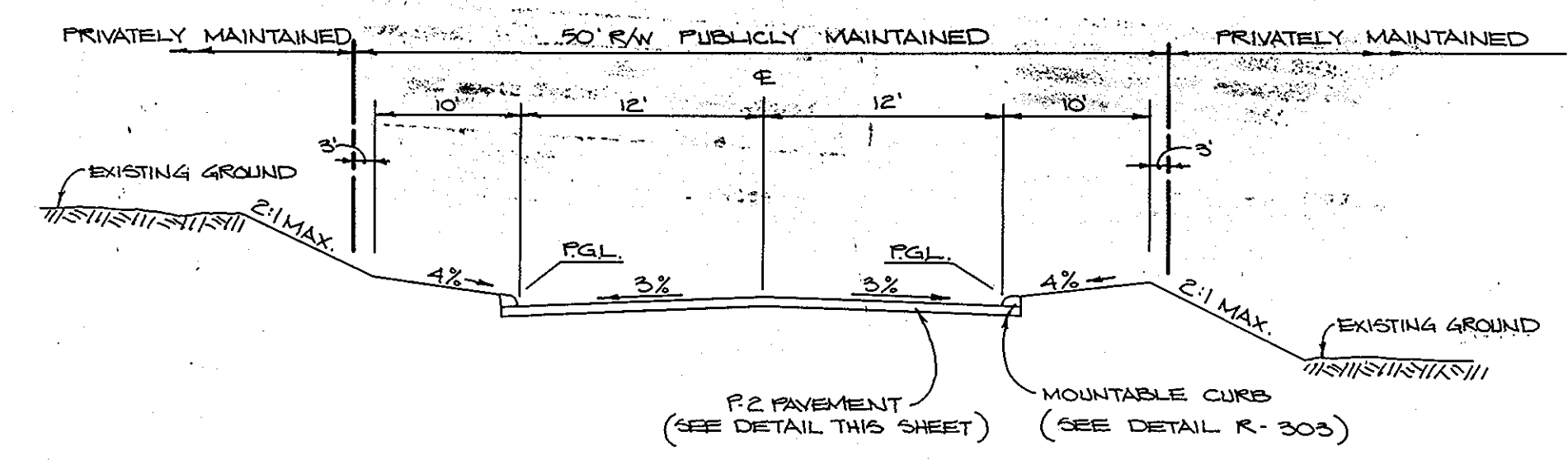
H-TWD: STA. 0+67.89 TO STA. 2+28.18
 R = 300' 00"
 Δ = 30° 36' 49"
 Chd = 88.11'
 P.C. = STA. 0+67.89
 P.T. = STA. 1+56.00
 Chd = 88.11'
 P.C. = STA. 0+67.89
 P.T. = STA. 2+28.18



PLAN
SCALE: 1" = 50'

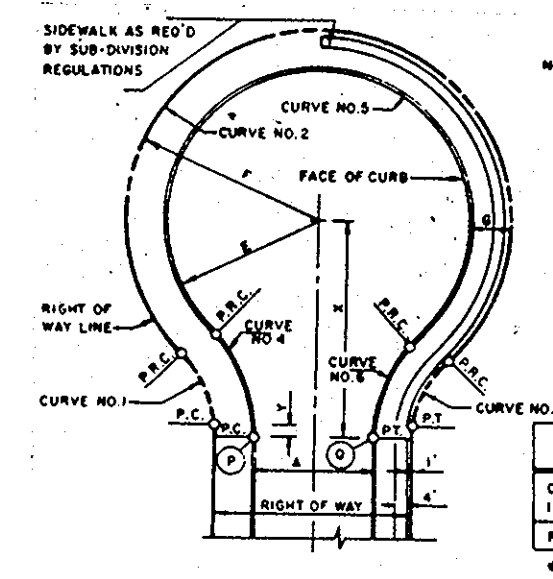


TYPICAL SECTION
NO SCALE
10 OAKS ROAD - STA 23+50 TO 31+55



TYPICAL ROAD SECTIONS

STA. 0+00 TO STA. 8+00 ADAMS RIDGE RD. - ZONED R
 STA. 0+00 TO STA. 2+00 ADAMS WAY - ZONED R
 NO SCALE
 (HOWARD COUNTY LOCAL ROAD) (30 MPH DESIGN SPEED)



NOTES:

- STANDARD CONC. CONC. CURB & GUTTER SHALL BE USED ON DOWNGRADE CUL-DE-SACS.
- THE MAXIMUM GRADE OF THE CIRCULAR AREA IN ANY DIRECTION SHALL NOT EXCEED 8%.
- PROFILES SHALL BE PROVIDED ALONG THE TOP OF CURB FROM POINT P TO POINT Q.

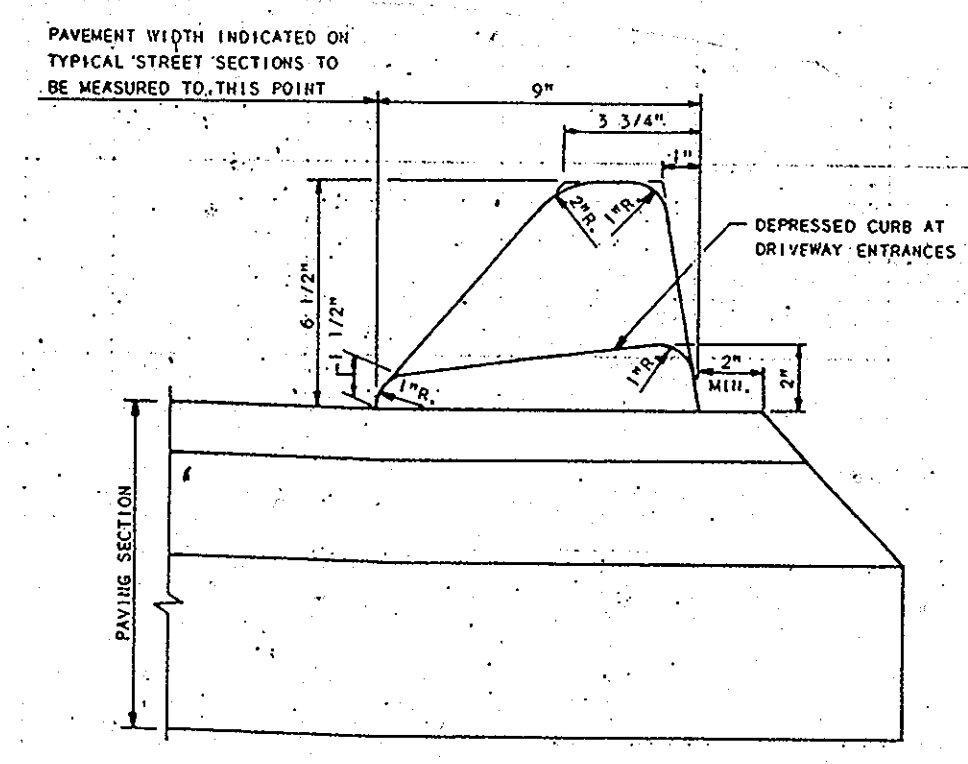
ZONING DISTRICTS	E	F	G	H	A
COMMERCIAL B	47'	59'	42'	60'	33'
INDUSTRIAL	47'	59'	42'	60'	33'
RESIDENTIAL	40'	50'	40'	50'	30'

* SEE STD. NO. R-101

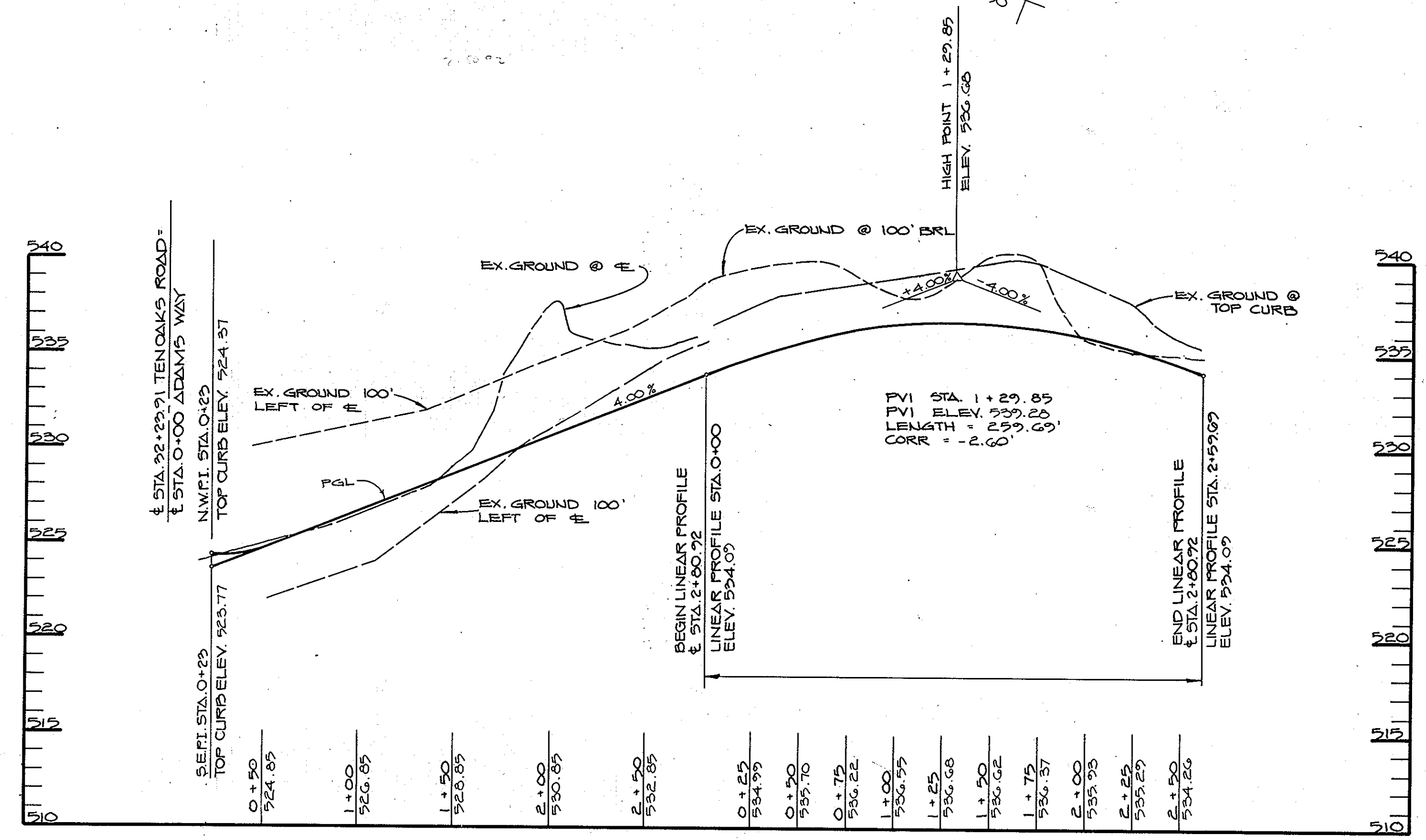
CURVE DATA

COMMERCIAL-INDUSTRIAL (34' APPROACH)					COMMERCIAL-INDUSTRIAL (64' APPROACH)				
Δ	R	L	T	L.C.	Δ	R	L	T	L.C.
45°02'54"	278'14"	487'21"	216'22'43"	Δ	45°02'54"	278'14"	487'21"	216'22'43"	Δ
25'00"	39'00"	37'00"	47'00"	R	25'00"	39'00"	37'00"	47'00"	R
11'42"	288'47"	31'12"	228'72"	L	11'42"	288'47"	31'12"	228'72"	L
11'42"	18'35"	-	18'35"	L	11'42"	18'35"	-	18'35"	L
20'77"	-	30'21"	-	L.C.	20'77"	-	30'21"	-	L.C.

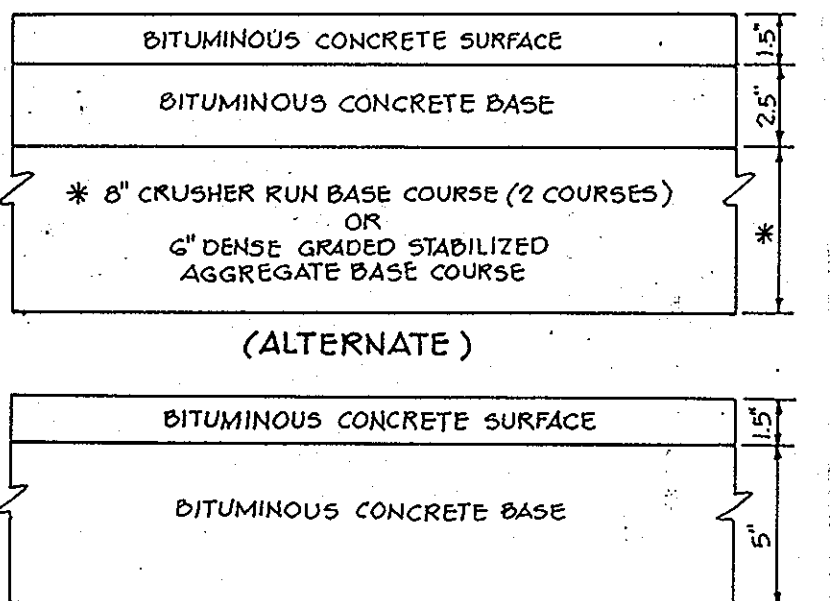
CUL-DE-SAC DETAIL
NO SCALE



CURB DETAIL
NO SCALE



PROFILE
SCALE: HORI. 1" = 50'
VERT. 1" = 5'



HOWARD COUNTY DESIGN MANUAL VOLUME IX - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-201)
 (6 1/2" PAVING, P-2)

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Mark J. Dwyer 2/24/91
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE 25

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul M. Seaman 1/25/90
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE

Franklin W. Walden 11/23/89
 CHIEF, BUREAU OF HIGHWAYS
 DATE

William S. Rouse 1-26-90
 CHIEF, BUREAU OF ENGINEERING
 DATE

2/1/94 1 ADDED TYP. SECT. FOR BIT. C (G. HO. CO. STD. DET. R3.03)
 DATE NO. REVISION

OWNER/DEVELOPER
 BAC - MP DEVELOPMENT LIMITED PARTNERSHIP
 C/O MP ASSOCIATES
 5901 NATIONAL DRIVE SUITE 100
 BURTONSVILLE, MARYLAND 20866

PROJECT: 585-119 P-89 54
ADAMS REACH
 SECTION TWO

AREA TAX MAPS 28 & 34 PARCEL 240 ZONED-R
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: **PLAN & PROFILE**
ADAMS WAY & DETAILS

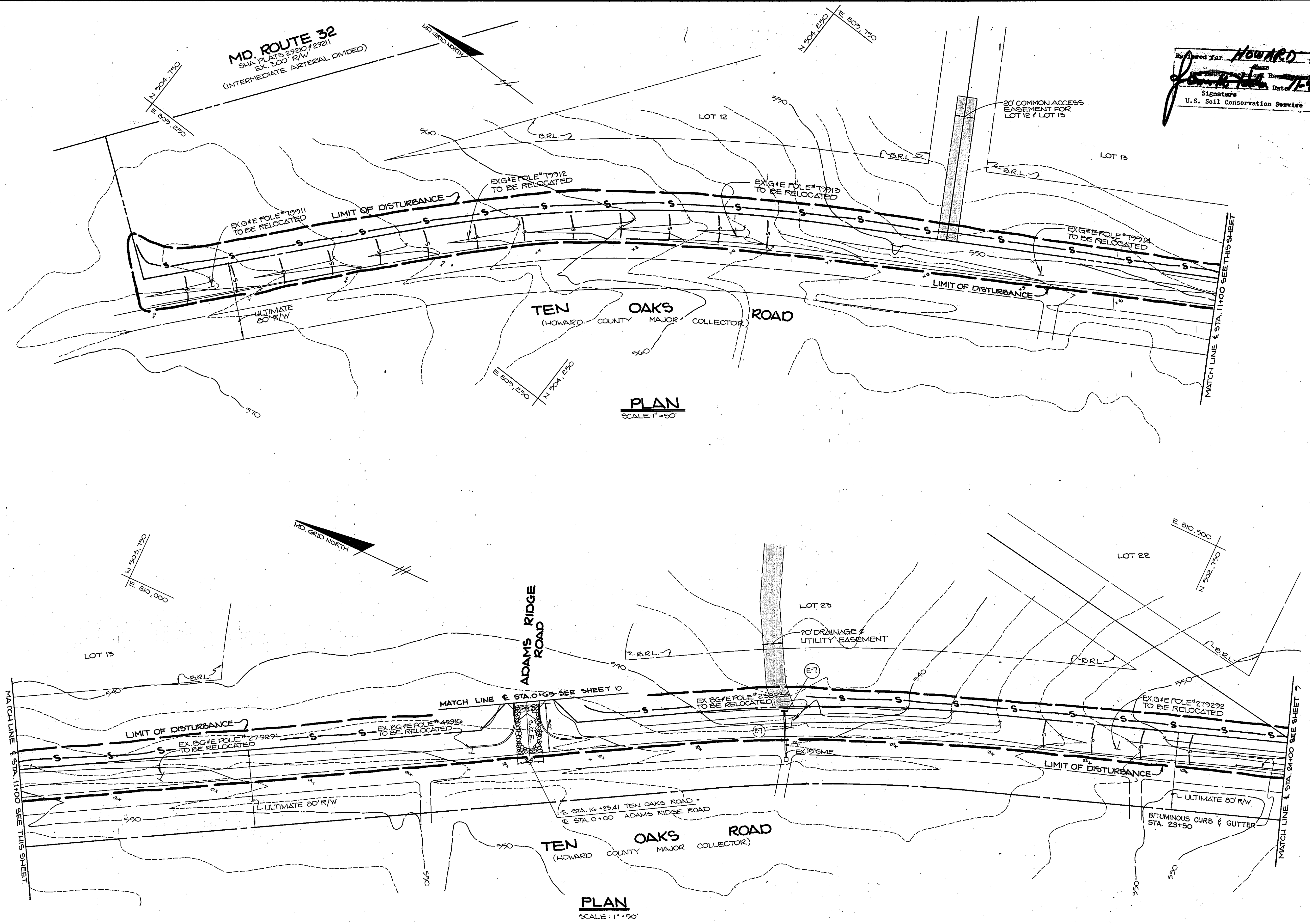
RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

11-7-89
 DATE

DESIGNED BY: D.B.S.
 DRAWN BY: D.O.S.
 PROJECT NO: 52305
 DATE: JUNE 7, 1989
 SCALE: AS SHOWN
 DRAWING NO. 7 OF 12

ARTHUR E. MUEGGE/PE/ST

1437



PLAN
SCALE: 1"=50'

PLAN
SCALE: 1"=50'

Approved for: **HOWARD** S.C.D.
Signature: *[Signature]* Date: **7-9-89**
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: *[Signature]* Date: **11/9/89**
Howard S.C.D.

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 NATURAL RESOURCE 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."
Philip J. Stevens 9/28/89
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."
Arthur E. Muegge 11-7-89
ENGINEER DATE

REVIEWED FOR: **HOWARD** S.C.D.
NAME: **HOWARD**
AND MEETS TECHNICAL REQUIREMENTS
John M. Helton 11-9-89
S.O. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John R. Robinson 11/9/89
HOWARD S.C.D. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Mark J. Z. Taylor 11/2/89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul H. Dugan 1/25/90
CHIEF, LAND DEVELOPMENT DIVISION DATE
Dorcas W. Warrand 11/23/89
CHIEF, BUREAU OF HIGHWAYS DATE
William B. Raley 1-26-90
CHIEF, BUREAU OF ENGINEERING DATE

2/1/94 1 EXT. BIT CURB & GUTTER TO STA. 23+50 TEN OAKS RD.
DATE NO. REVISION

OWNER/DEVELOPER
BAC-MP DEVELOPMENT LIMITED PARTNERSHIP
54 MP ASSOCIATES
3901 NATIONAL DRIVE SUITE 100
BURTONVILLE, MARYLAND 20866

PROJECT: S 88-119 P 89-44
ADAMS REACH
(SECTION TWO)

AREA TAX MAP 28/34 PARCEL 240 ZONED R
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

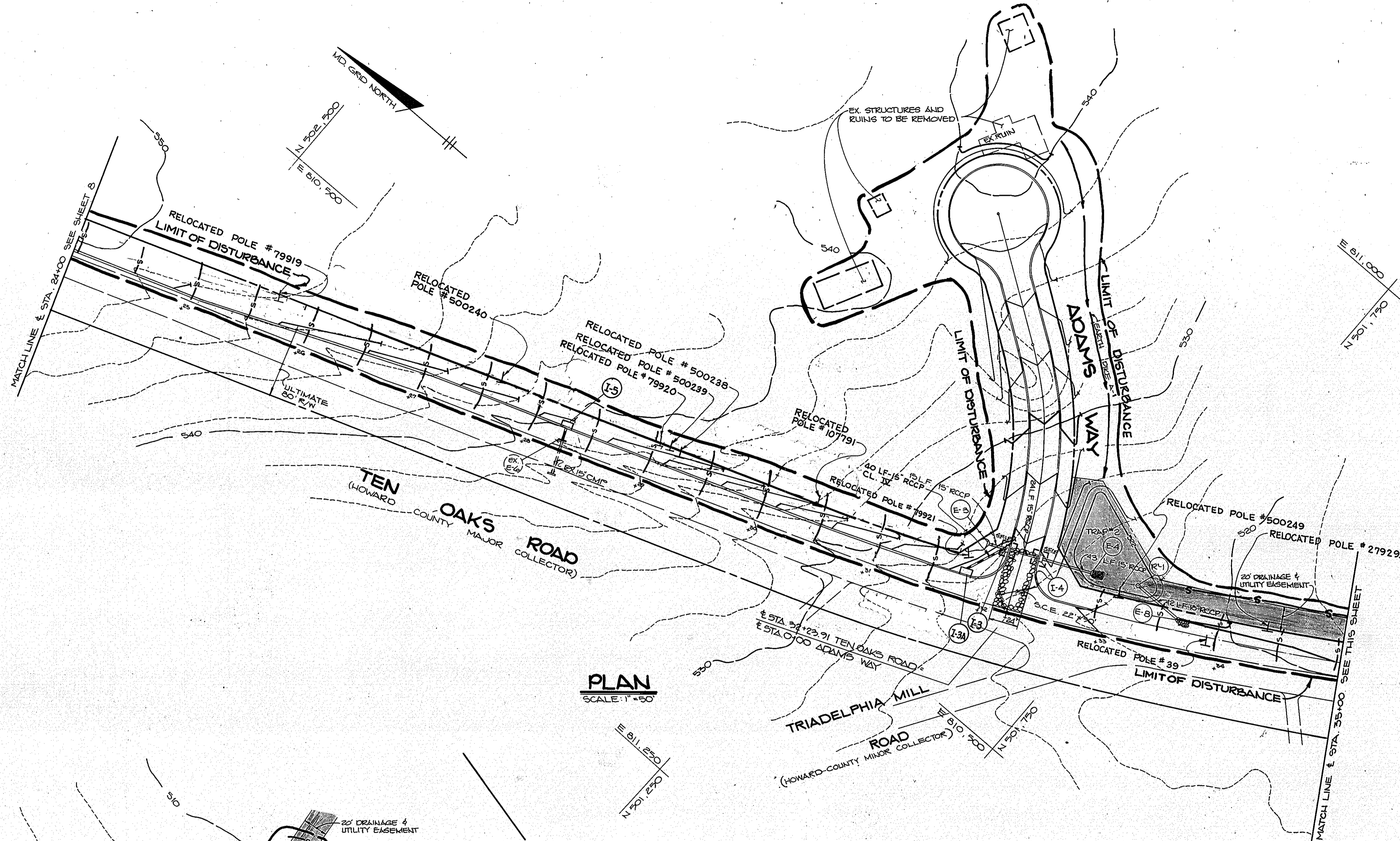
TITLE: **GRADING, SEDIMENT CONTROL PLAN**

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

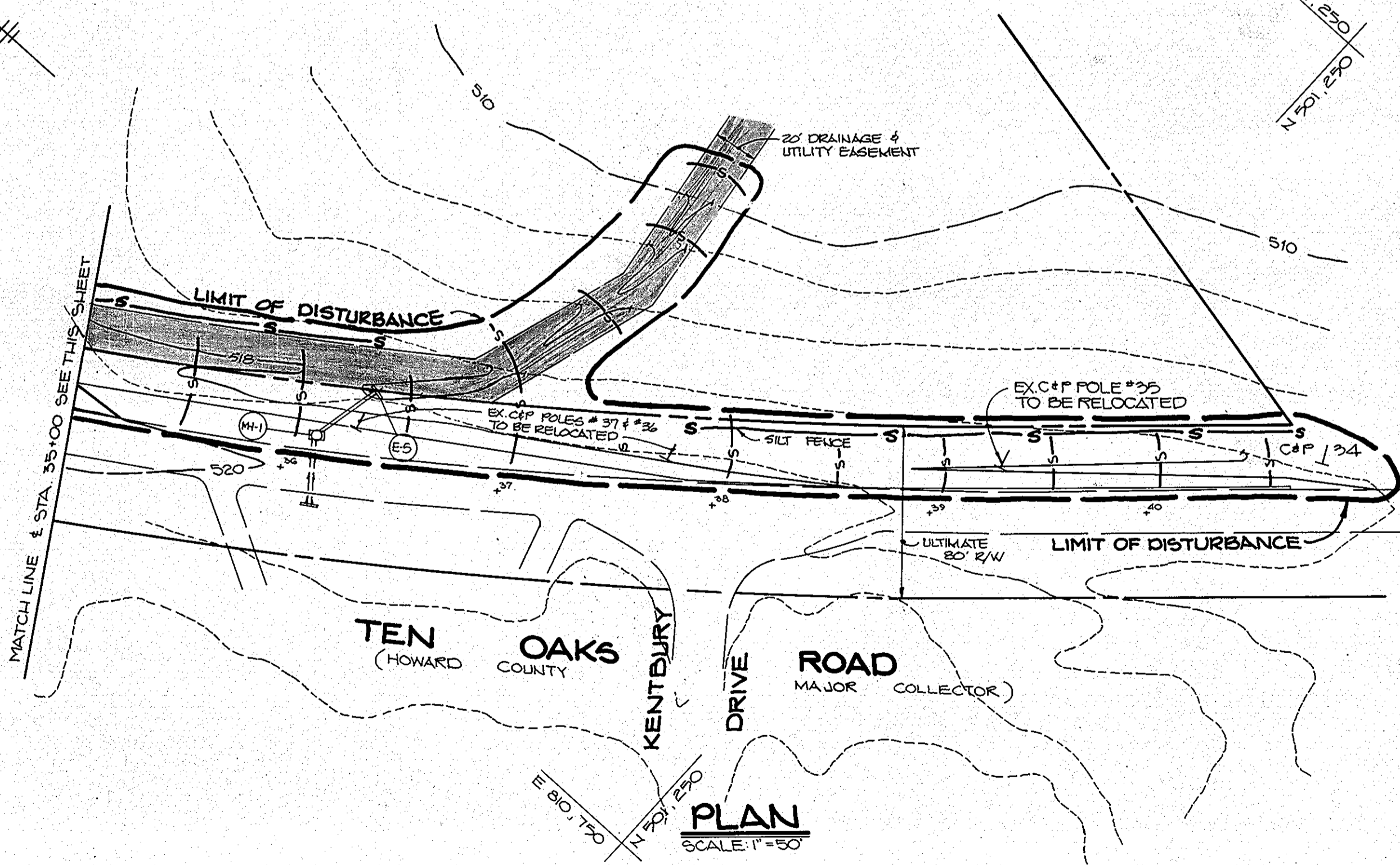
11-7-89
DATE
DESIGNED BY: C.B. / D.B.S.
DRAWN BY: D.O.S.
PROJECT NO: 52305
DATE: JUNE 7, 1989
SCALE: AS SHOWN
DRAWING NO. 0 OF 12



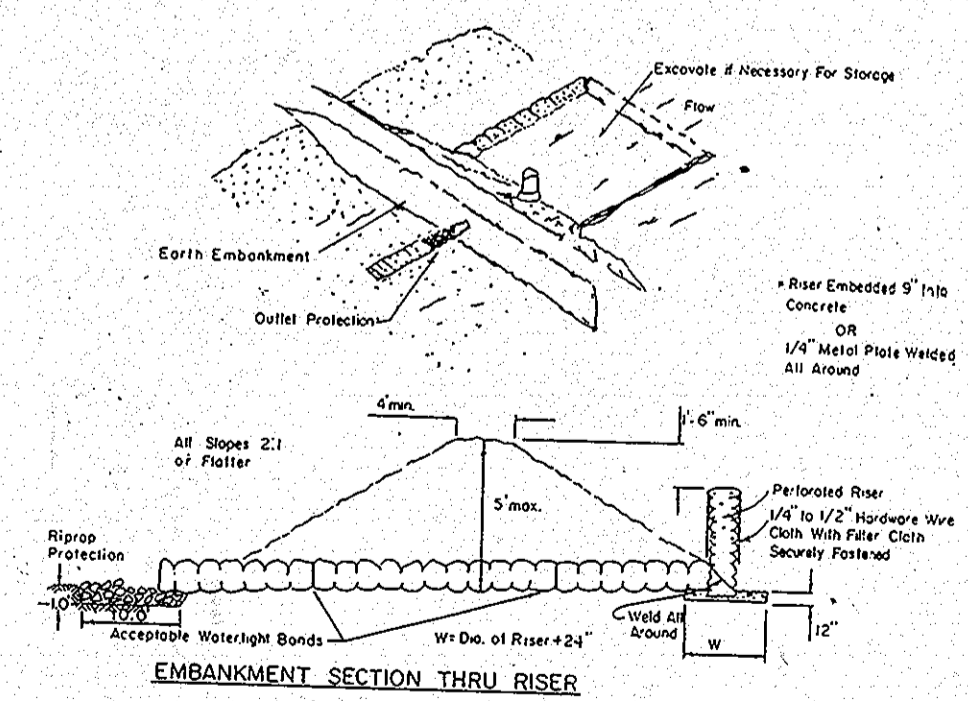
NOTE: FOR SEDIMENT CONTROL DETAILS SEE SHEETS 7 & 10



PLAN
SCALE: 1" = 50'



PLAN
SCALE: 1" = 50'



PIPE OUTLET
SEDIMENT TRAP
NO SCALE

TYPE OF TRAP	TRAP NUMBER	DRAINAGE AREA	STORAGE VOLUME REQ'D (CF)	STORAGE VOLUME PROVIDED (CF)	CREST ELEV.	CREST WIDTH (FT)	BOTTOM ELEV.	BOTTOM DIMENSIONS	CLEANOUT ELEV.	SIDE SLOPES
PIPE OUTLET	2	200 ± AC	3600	3750	-	-	520.3	SEE PLAN	521.15	3:1

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (992-2437).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area of Site	66.231 acres
Area Disturbed	3.30 acres
Area to be roofed or paved	1.51 acres
Area to be vegetatively stabilized	1.69 acres
Total Cut	2501 Cu. yds.
Total Fill	2006 Cu. yds.
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Department of Public Works Sediment Control Inspector.
- Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
- Sediment will be removed from traps when its depth reaches the clean out elevation shown on the plans.

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 NATURAL RESOURCES 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."

Philip J. Stevens 9/28/89
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."

Arthur E. Muegge 11-7-87
ENGINEER DATE

REVIEWED FOR: **HOWARD** S.C.D.
NAME

John R. Roberson 11-9-89
DATE

SOIL CONSERVATION SERVICE

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

John R. Roberson 11/9/89
HOWARD S.C.D. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

David J. Muegge 4/25/89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

David J. Muegge 1/25/90
CHIEF, LAND DEVELOPMENT DIVISION DATE

Francis W. Muegge 1/23/89
CHIEF, BUREAU OF HIGHWAYS DATE

William J. Ray 1-20-90
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION
2/1/94	1	RELOC. G.T.E./C.P. POLES; Add. Bif. C.P. 310 2400 To 33+55; Change Contour Lines Same Area Add 3.34112

OWNER/DEVELOPER

BAC-MIP DEVELOPMENT LIMITED PARTNERSHIP
54 MIP ASSOCIATES
3901 NATIONAL DRIVE SUITE 100
BARTONSVILLE, MARYLAND 20866

PROJECT: S 88-119 P 89-24
ADAMS REACH (SECTION TWO)

AREA: TAX MAP 28754 PARCEL 240 ZONED R
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: **GRADING, SEDIMENT CONTROL PLAN**

RIEMER-MUEGGE & ASSOCIATES, INC.
A Land-Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

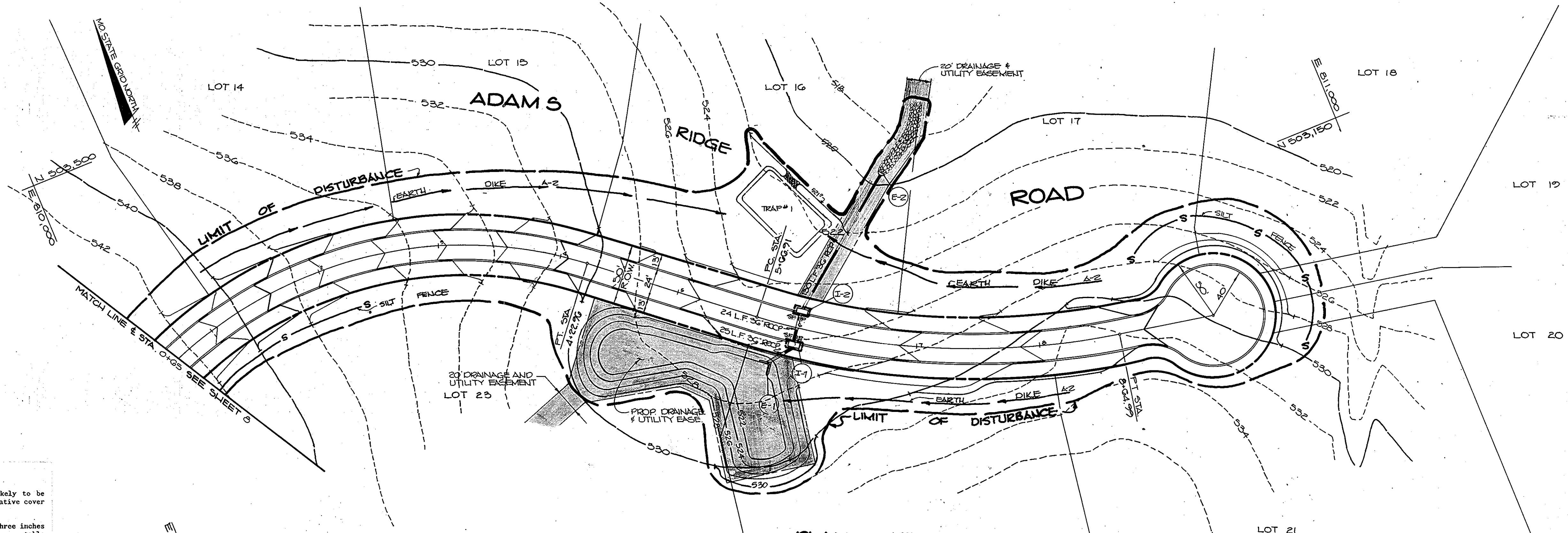
11-7-89 DATE

DESIGNED BY: C.B./D.B.S.
DRAWN BY: C.B./D.O.S.
PROJECT NO: 52305
DATE: JUNE 7, 1989
SCALE: AS SHOWN
DRAWING NO. 9 OF 12

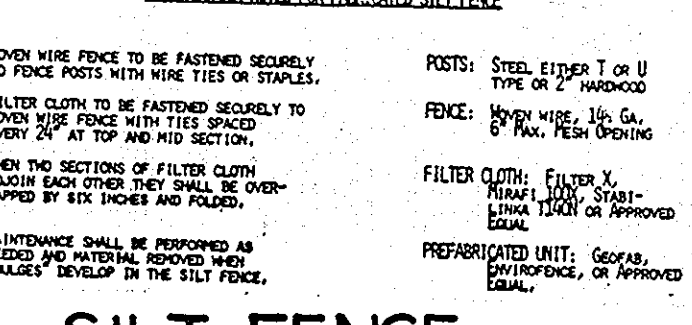
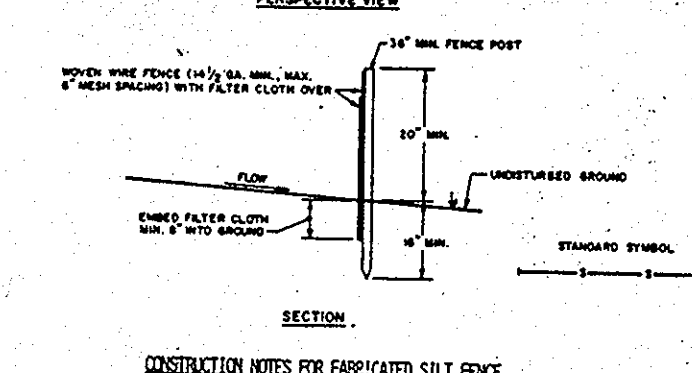
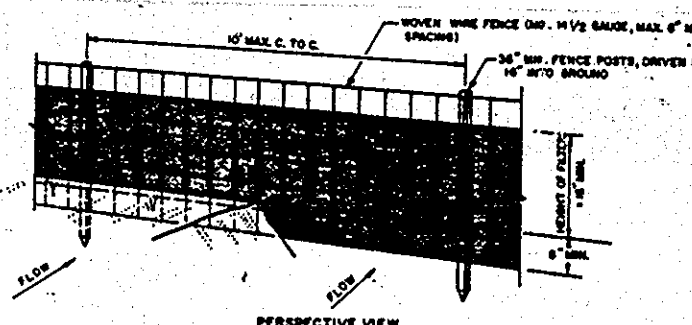
ARTHUR E. MUEGGE 3607

437

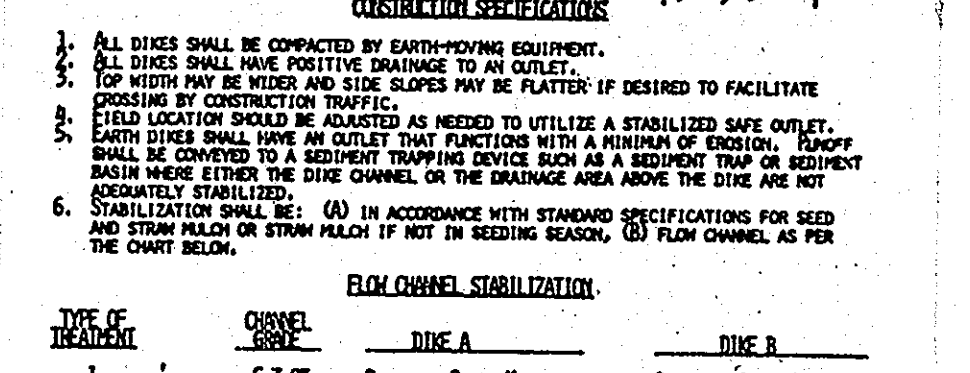
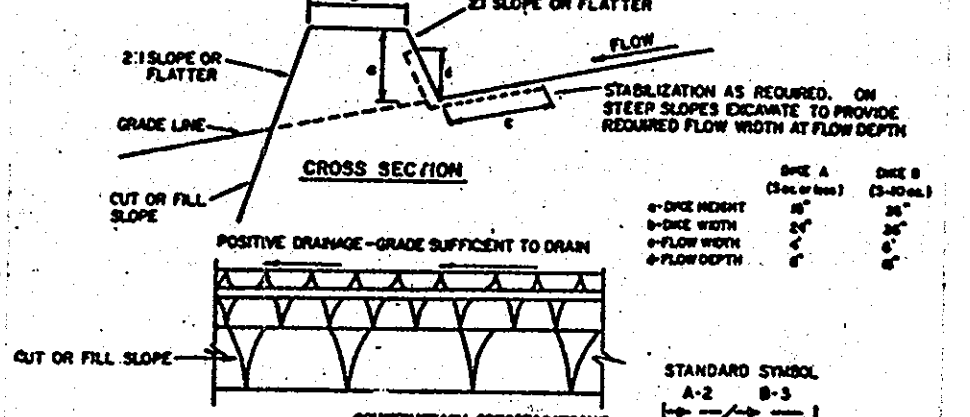
MARYLAND BLUEPRINT CO., INC. 1989P



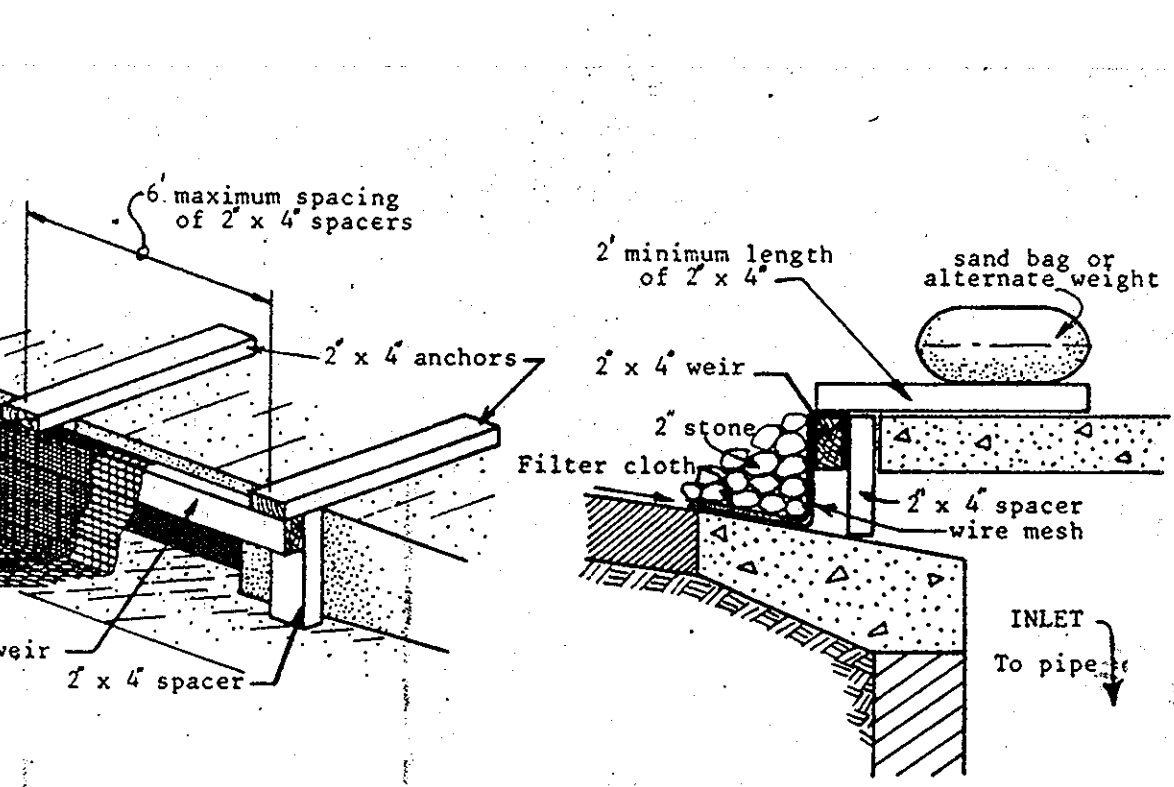
PLAN
SCALE: 1" = 50'



SILT FENCE
NO SCALE

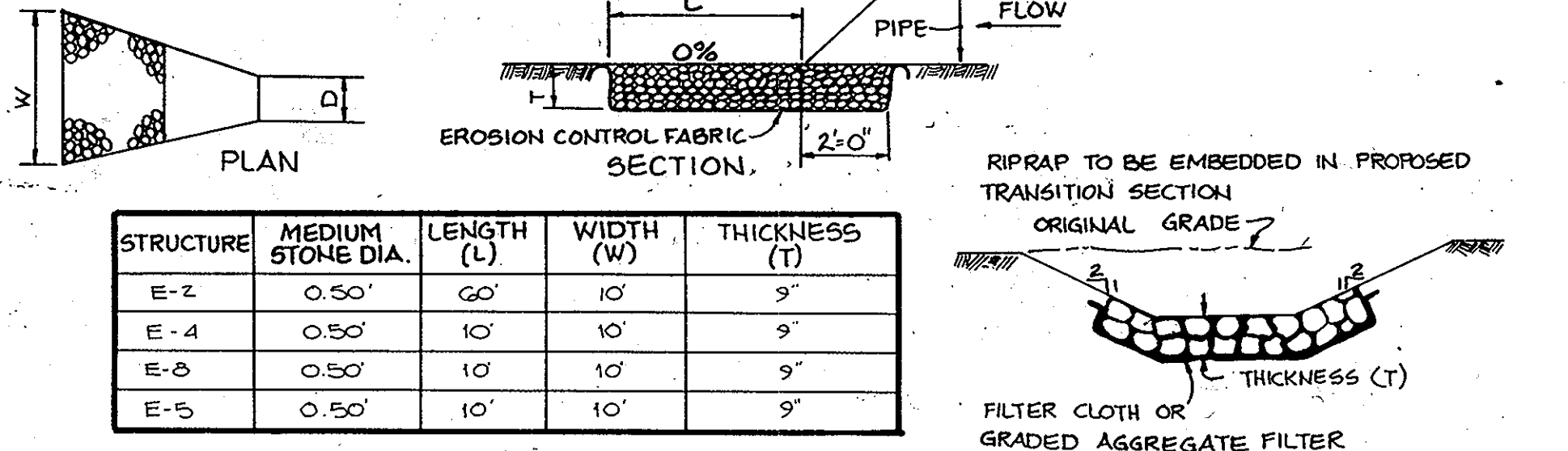


STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



STONE FILTER INLET PROTECTION
NO SCALE

TYPE OF TRAP	TRAP NUMBER	DRAINAGE AREA	STORAGE VOLUME REQ'D (CF)	STORAGE VOLUME PROVIDED (CF)	CREST ELEV.	CREST WIDTH (FT)	BOTTOM ELEV.	BOTTOM DIMENSIONS	CLEANOUT ELEV.	SIDE SLOPES
STONE OUTLET	1	1.80 ± AC.	3240	3600	5210	8	519.0	60 x 30	520.0	1:1



OUTLET PROTECTION DETAIL
NO SCALE

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed 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 loosened.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.).

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

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 2 1/2 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 2 1/2 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.

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:

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

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (14 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: 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 2 1/2 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 2 1/2 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

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

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 NATURAL RESOURCES 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."
Philip J. Stevens 9/28/89
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."
Arthur E. Muegge 11-7-89
ENGINEER DATE

REVIEWED FOR **HOWARD** S.C.D.
AND MEETS TECHNICAL REQUIREMENTS
John R. Robinson 11-9-89
HOWARD SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John R. Robinson 11/9/89
HOWARD S.C.D. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Mark J. Taylor 11/2/89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul S. Spang 1/25/90
CHIEF, LAND DEVELOPMENT DIVISION DATE

Lawrence W. Williams 11/2/89
CHIEF, BUREAU OF HIGHWAYS DATE

CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER/DEVELOPER
BAC-MP DEVELOPMENT LIMITED PARTNERSHIP
C/O MP ASSOCIATES
3901 NATIONAL DRIVE SUITE 100
BURTONSVILLE, MARYLAND 20866

PROJECT: **ADAMS REACH**
SECTION TWO 588-115

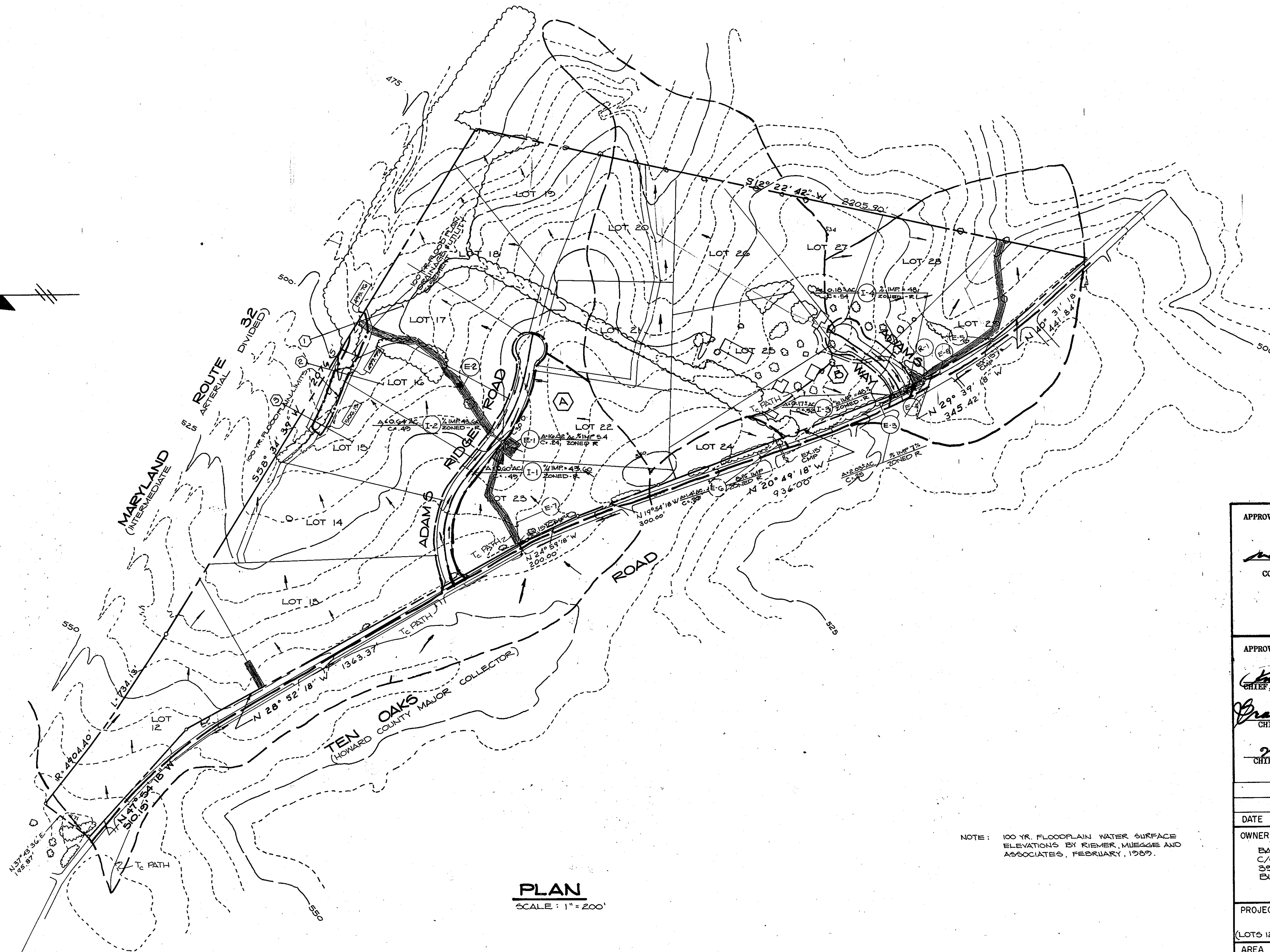
AREA TAX MAPS 28 & 34 PARCEL 240 ZONED-R
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: **GRADING AND SEDIMENT CONTROL PLAN**

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

11-7-89
DATE

DESIGNED BY: D.B.S.
DRAWN BY: D.O.S.
PROJECT NO: 52205
DATE: JUNE 7, 1989
SCALE: AS SHOWN
DRAWING NO. 10 OF 12



PLAN
SCALE: 1" = 200'

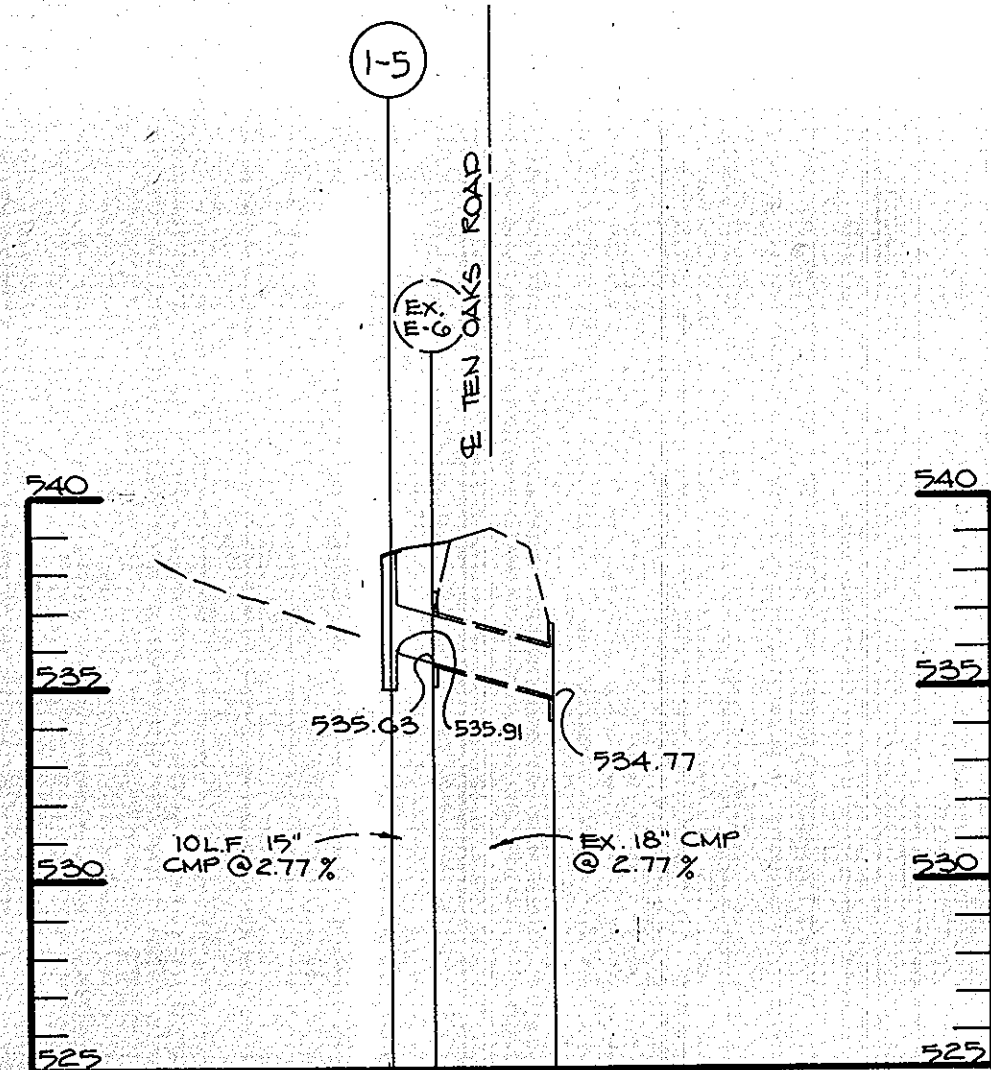
NOTE: 100 YR. FLOODPLAIN WATER SURFACE ELEVATIONS BY RIEMER, MUEGGE AND ASSOCIATES, FEBRUARY, 1989.

LEGEND
 (Symbol) 100 YR. WATER SURFACE ELEVATION
 (Symbol) FLOODPLAIN X-SECTION NO.

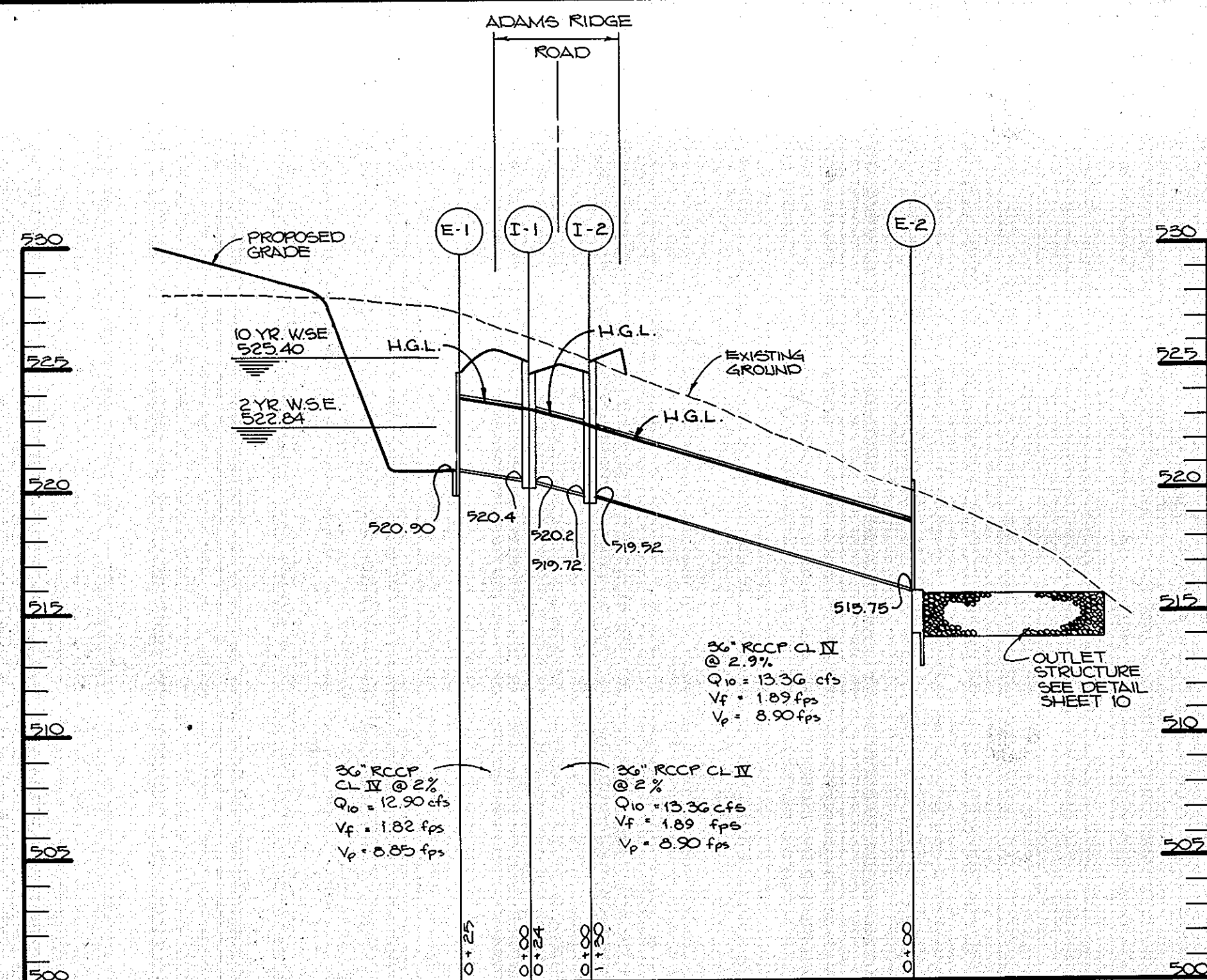
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING <i>Mark J. Taylor</i> 4/21/90 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE	
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>Paul J. Ryan</i> 1/25/90 CHIEF, LAND DEVELOPMENT DIVISION DATE <i>Granville W. Waldman</i> 11/22/89 CHIEF, BUREAU OF HIGHWAYS DATE <i>James E. Ryan</i> 1-26-90 CHIEF, BUREAU OF ENGINEERING DATE	
DATE	REVISION
OWNER/DEVELOPER BAC-MP DEVELOPMENT LIMITED PARTNERSHIP C/O MP ASSOCIATES 3901 NATIONAL DRIVE SUITE 100 BURTONSVILLE, MARYLAND 20866	
PROJECT: ADAMS REACH (LOTS 12-29) SECTION TWO S 88-113 F-89-44	
AREA: TAX MAPS 28 & 34 PARCEL ZONED-R 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE: 100 YR. FLOODPLAIN & DRAINAGE AREA MAP	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 3105 North Ridge Road Ellicott City, Maryland 21043 301-461-2690 FAX: 301-750-3176	
11-7-89 DATE	DESIGNED BY: VG
	DRAWN BY: CB
	PROJECT NO: 52304
	DATE: DECEMBER 2, 1988
	SCALE: AS SHOWN
	DRAWING NO. 11 OF 12

1431

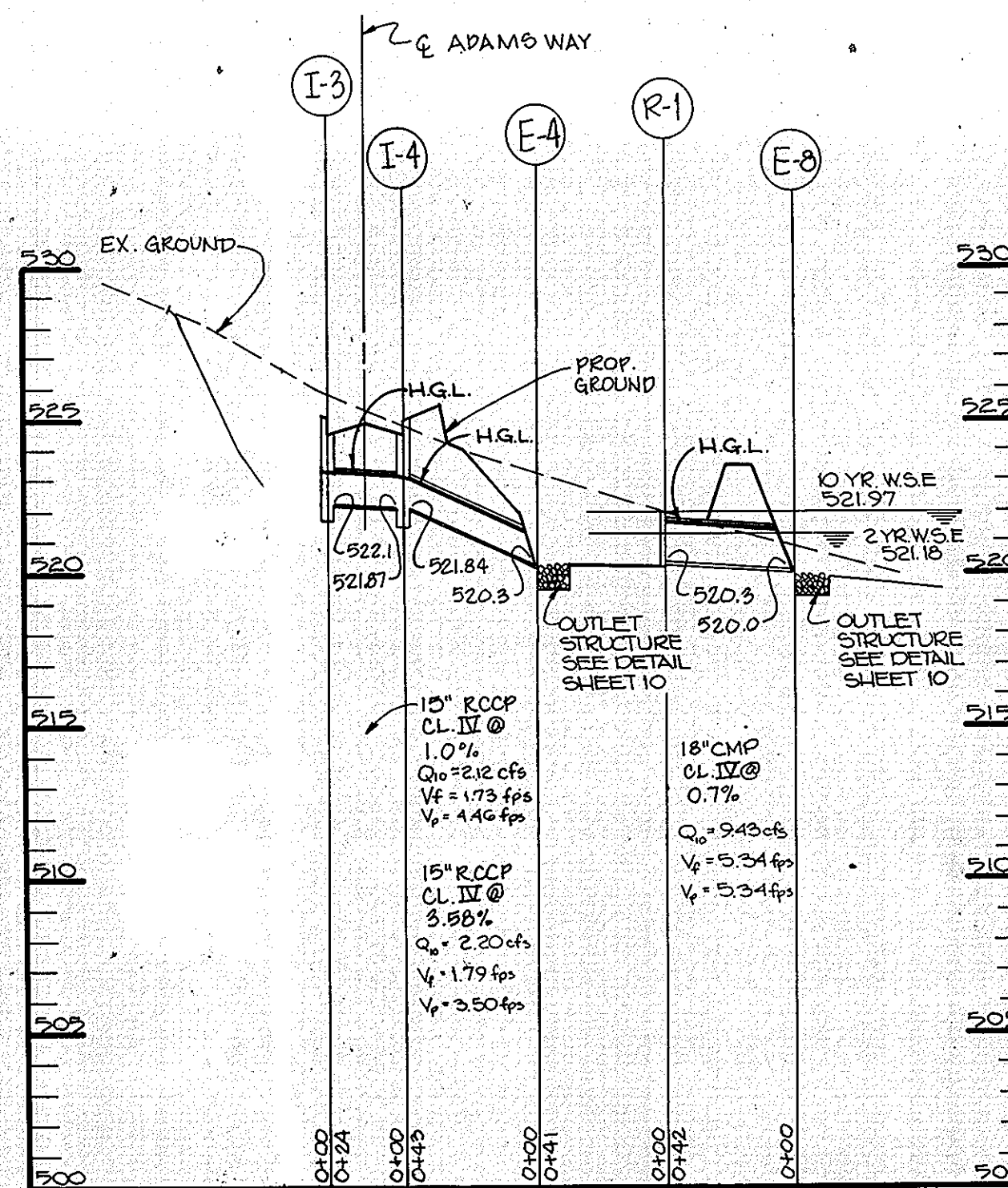
MARYLAND BLUEPRINT CO., INC. 10002



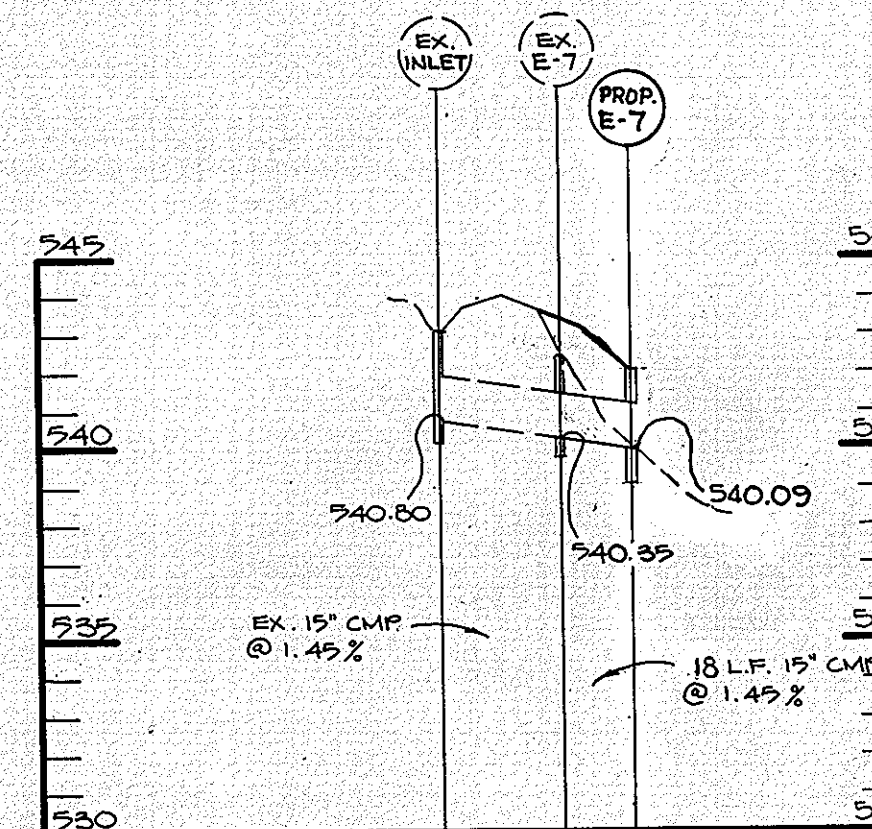
STORM DRAIN PROFILE
SCALE: HORI. 1" = 50'
VERT. 1" = 5'



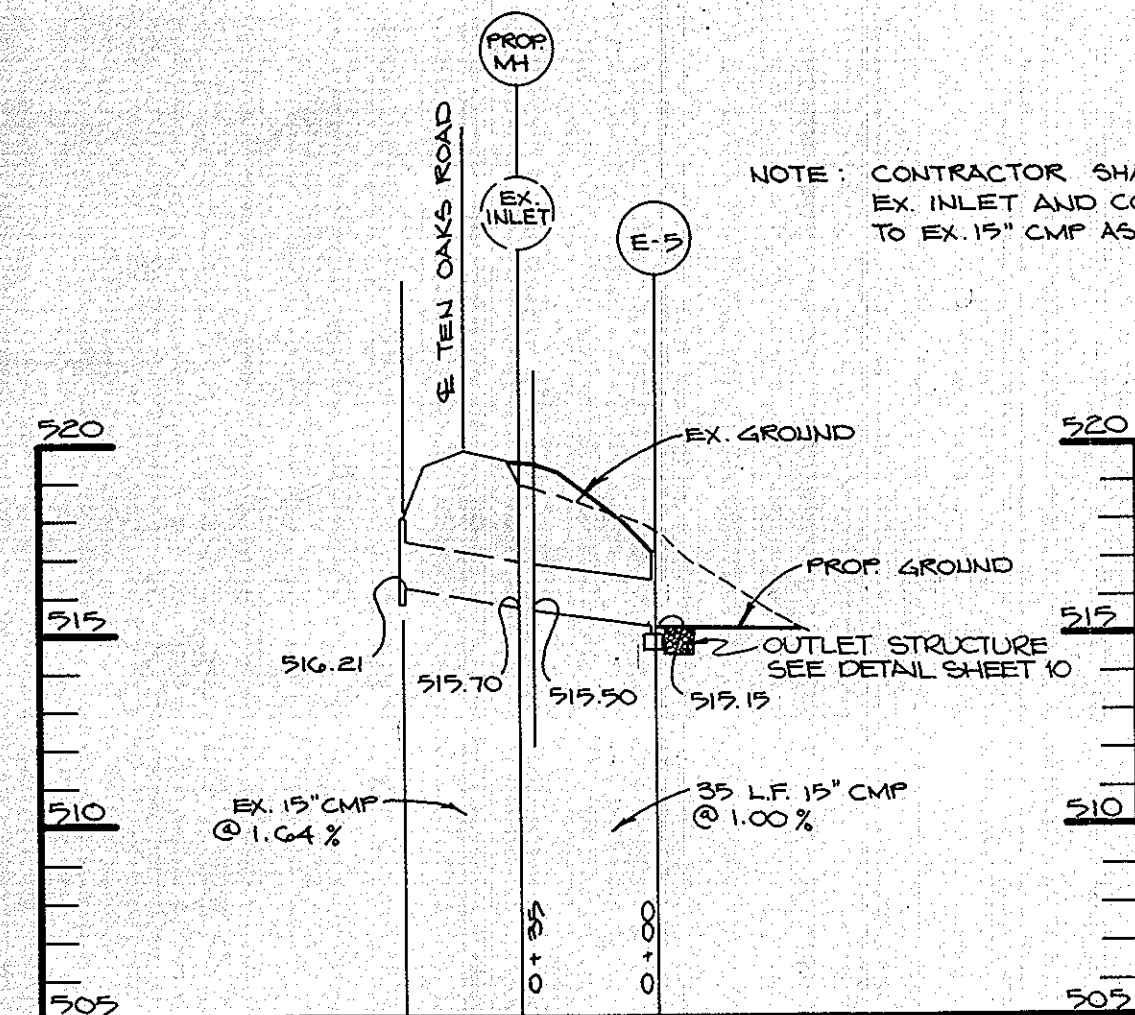
STORM DRAIN PROFILE
SCALE: HORI. 1" = 50'
VERT. 1" = 5'



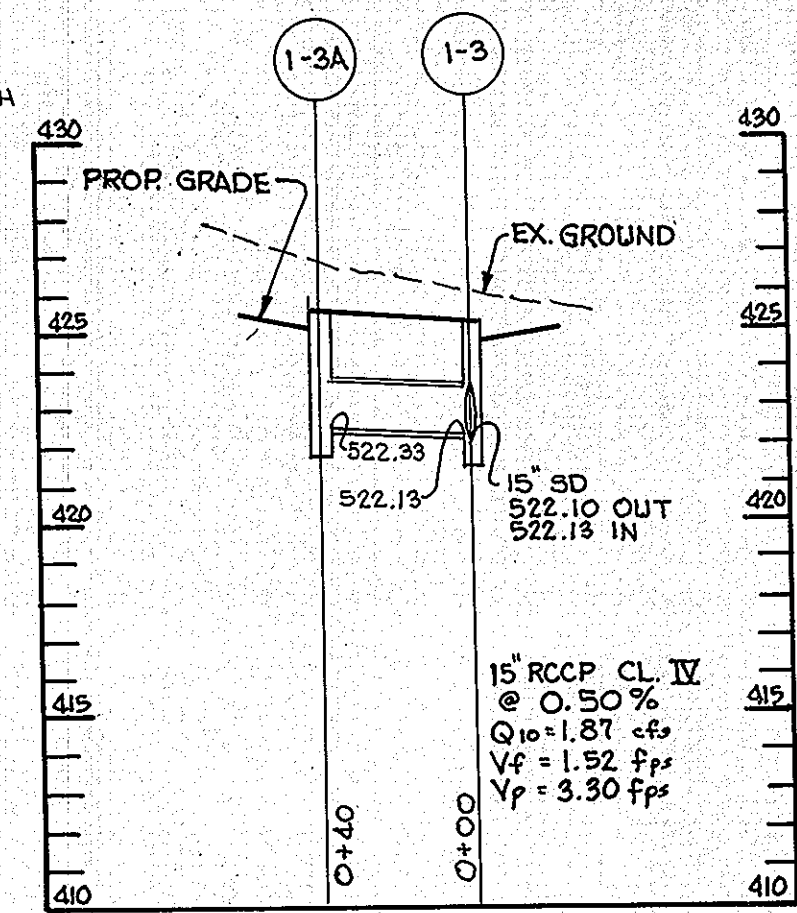
STORM DRAIN PROFILE
SCALE: HORI. 1" = 50'
VERT. 1" = 5'



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

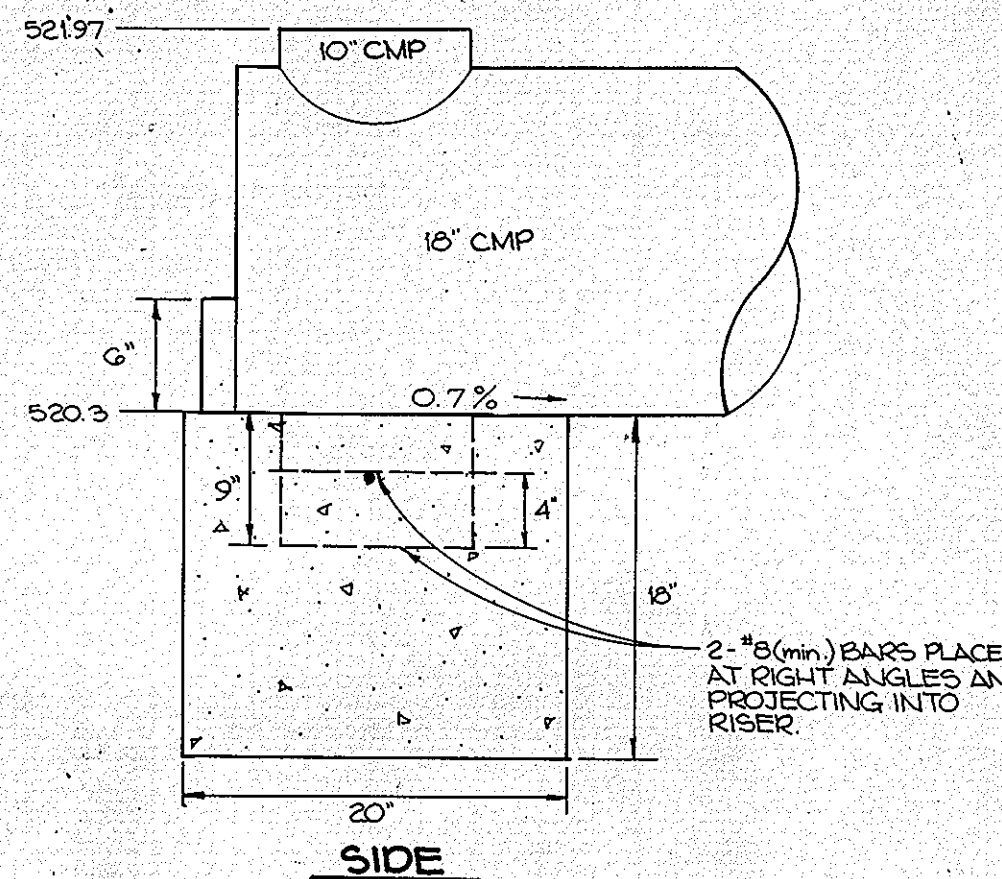


STORM DRAIN PROFILE
SCALE: HORI. 1" = 50'
VERT. 1" = 5'

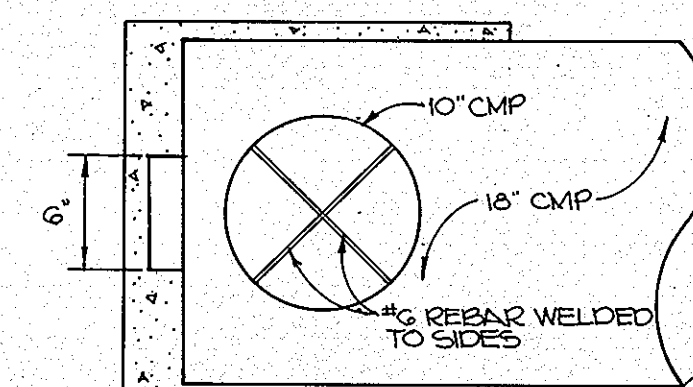


STORM DRAIN PROFILE
SCALE: HORI. 1" = 50'
VERT. 1" = 5'

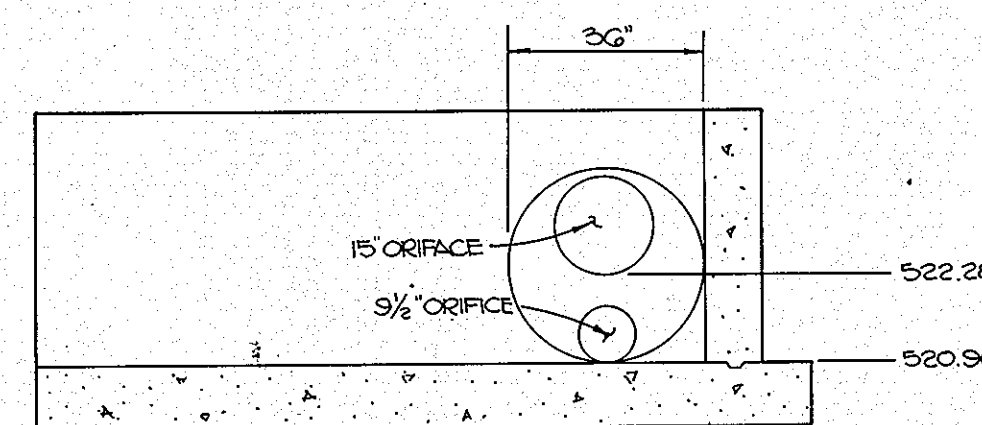
NOTE: CONTRACTOR SHALL REMOVE EX INLET AND CONNECT PROP. MH TO EX. 15" CMP AS REQUIRED.



SIDE



PLAN
RISER R-1 DETAIL
NO SCALE



FRONT ELEVATION
ENDWALL E-1 DETAIL
NO SCALE

STRUCTURE		SCHEDULE				
No.	Type	Location	Top Elev.	Inv. In.	Inv. Out.	Remarks
E-1	Type 'E'	See Plan	524.90	520.90	-	Hb. Co. Std. Detail SD 5.31
I-1	A-10	C/L STA 6+01.67 Adams Ridge Road	525.22	520.40	520.20	Hb. Co. Std. Detail SD 4.02
I-2	A-10	C/L STA 6+01.67 Adams Ridge Road	525.22	519.72	519.52	Hb. Co. Std. Detail SD 4.02
E-2	TYPE 'X' ENDWALL	See Plan	-	-	515.75	Hb. Co. Std. Detail SD 5.11
I-3	A-5	± STA. 0+55 ADAMS WAY	525.05	522.13	522.1	Hb. Co. Std. Detail SD 4.01
I-4	A-5	± STA. 0+55 ADAMS WAY	525.05	521.87	521.84	Hb. Co. Std. Detail SD 4.01
E-4	15" Metal End Section	See Plan	-	-	521.40	Hb. Co. Std. Detail SD 5.61
E-5	Type 'C' Endwall	See Plan	517.15	-	515.15	Hb. Co. Std. Detail SD 5.61
E-7	Type 'C' Endwall	See Plan	542.09	-	540.09	Hb. Co. Std. Detail SD 5.21
MH-1	Shallow Manhole	See Plan	519.51	515.50	515.50	Hb. Co. Std. Detail SD 05.05
E-8	15" CONC. END SECTION	SEE PLAN	-	-	520.00	HO. CO. STD. DETAIL SD 5.52
I-3A	A-5 W/DEF.	± STA. 31+84 10 OAKS RD.	525.47	-	522.33	HO. CO. STD. DETAIL SD 4.01
I-5	A-5 W/DEF.	± STA. 28+30 TEN OAKS RD.	538.64	-	535.91	HO. CO. STD. DETAIL SD 4.01

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 NATURAL RESOURCES 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."

Philip J. Stevens
DEVELOPER
9/1/89
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."

Arthur E. Muegge
ENGINEER
11/9/89
DATE

REVIEWED FOR: **HOWARD** S.C.D.

AND METS TECHNICAL REQUIREMENTS
John P. Roberts
11-9-89
U.S. SOIL CONSERVATION SERVICE
DATE

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

John P. Roberts
HOWARD S.C.D.
11/9/89
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Joseph J. Doyle
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
4/21/90
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Paul D. Ryan
CHIEF, LAND DEVELOPMENT DIVISION
1/25/90
DATE
Francis W. Wetland
CHIEF, BUREAU OF HIGHWAYS
11/22/89
DATE
William J. Ryan
CHIEF, BUREAU OF ENGINEERING
1-26-90
DATE

2/1/94 1 MODIFIED 2 S.D. PROFILES, ADDED ONE S.D. PROFILE DELETED 2 ITEMS, ADD. I-2A I-5 TO STR. SCHED.
DATE NO. REVISION

OWNER/DEVELOPER
BAC-MP DEVELOPMENT LIMITED PARTNERSHIP
C/O MP ASSOCIATES
3701 NATIONAL DRIVE SUITE 100
BURTONSVILLE, MARYLAND 20866

PROJECT: 588-115 P89-44
ADAMS REACH
(SECTION TWO)

AREA TAX MAP 28+34 PARCEL 240 ZONED R
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: **STORM DRAIN PROFILES & DETAILS**

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

11-7-89
DATE

DESIGNED BY: D.B.S.
DRAWN BY: D.B.S.
PROJECT NO: 52305
DATE: JUNE 7, 1989
SCALE: AS SHOWN
DRAWING NO. 12 OF 12

