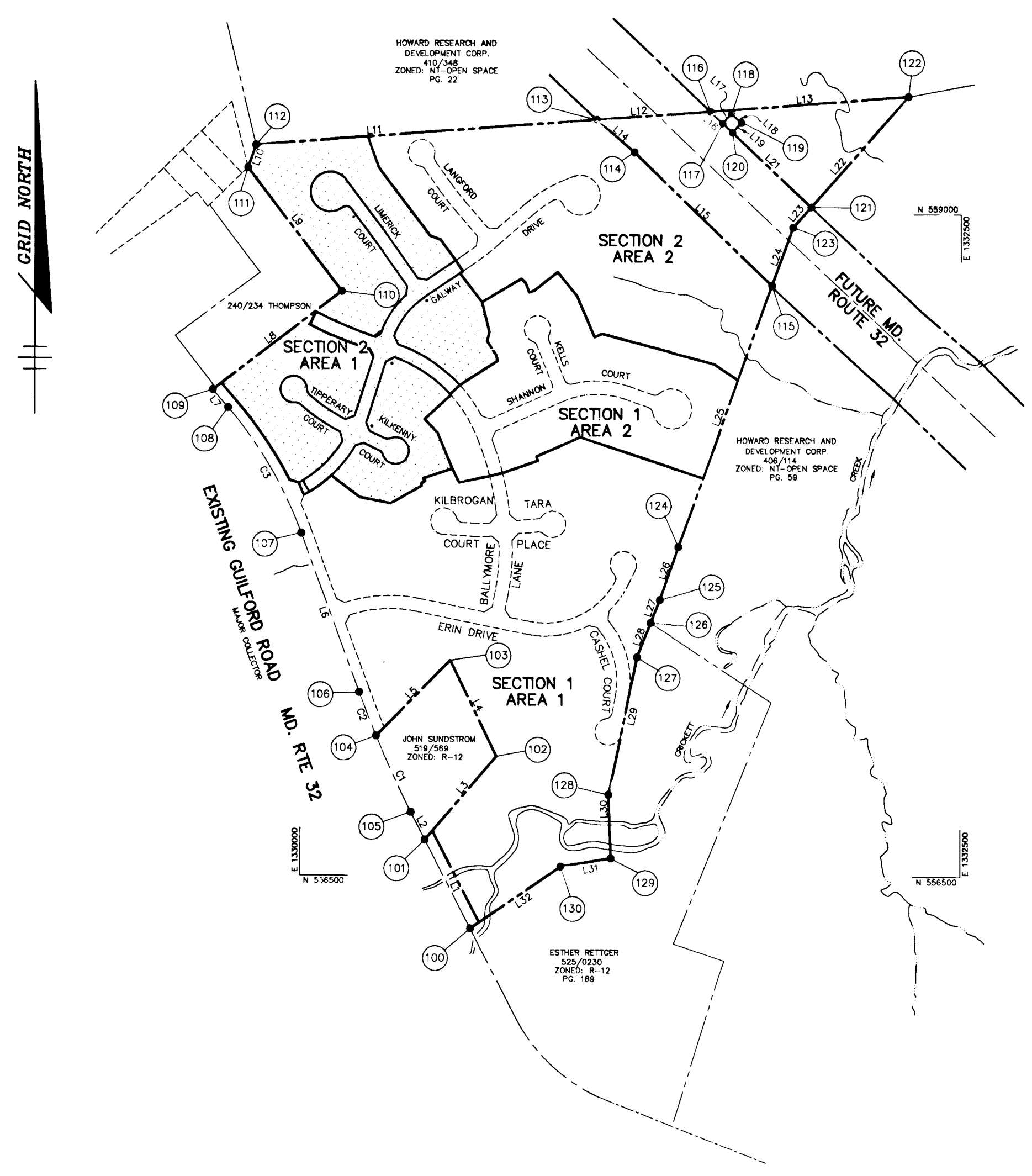


SHEET INDEX	
SH#	TITLE
1	TITLE SHEET
2	PLAN AND PROFILE OF GALWAY DRIVE, CL STA 0+83.65 THRU 9+00.00
3	PLAN AND PROFILE FOR OF GALWAY DRIVE, CL STA 9+00.00 THRU 11+60.59 AND FOR TIPPERARY COURT
4	PLAN AND PROFILE OF BALLYMORE LANE, CL STA 9+45.81 TO 12+37.56 (SE) AND, CL STA 0+00.00 TO 2+77.27 (NW)
5	PLAN AND PROFILES OF LIMERICK AND KILKENNY COURTS
6	GRADING AND SEDIMENT CONTROL
7	GRADING AND SEDIMENT CONTROL
8	GRADING AND SEDIMENT CONTROL
9	STORMDRAIN PROFILES
10	STORMDRAIN PROFILES
11	SEDIMENT CONTROL NOTES & DETAILS
12	FOREST CONSERVATION PLAN
13	FOREST CONSERVATION PLAN
14	FOREST CONSERVATION DETAILS
15	LANDSCAPE PLAN
16	TEMPORARY STORMWATER MANAGEMENT DRAINAGE AREA & PHASING MAP

CLARKS GLEN SECTION 2 AREA 1 ROADWAYS & STORM DRAINS LOTS 99 - 157 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- 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.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/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.
 - BELL ATLANTIC TELEPHONE SYSTEM 393-3649
 - LONG DISTANCE CABLE DIVISION 393-3553 OR 3554
 - BALTIMORE GAS AND ELECTRIC CO. 539-8000
 - HOWARD COUNTY BUREAU OF UTILITIES 313-4900
 - COLONIAL PIPELINE 795-1360
- 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 LOCAL STREET INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS & SPECIFICATIONS. ALL GULFORD ROAD INLETS SHALL BE IN ACCORDANCE WITH M.S.A. STANDARDS & SPECIFICATIONS.
- ALL STREET CURB RETURNS SHALL HAVE 25' RADII UNLESS OTHERWISE NOTED.
- 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.
- 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.
 - GALWAY DRIVE 30 M.P.H.
 - BALLYMORE LANE 30 M.P.H.
 - TIPPERARY COURT 30 M.P.H.
 - KILKENNY COURT 30 M.P.H.
 - LIMERICK COURT 30 M.P.H.
- ALL ELEVATIONS SHOWN ARE BASED ON THE 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 OF AASHTO T-99.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED R-12 PER 10-18-83 COMPREHENSIVE ZONING PLAN.
- 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 DEPARTMENT OF PLANNING AND ZONING FILE NOS. S-94-16, WP-94-31, P-94-25, P-94-83, P-94-16.
- LIGHT POLES, ARMS AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME II AND GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS, JUNE 1993.
- STORMWATER MANAGEMENT FACILITIES #1 AND #2 PROPOSED FOR THIS SITE ARE CLASS 'A' HAZARD FACILITIES UNDER F-99-11. WATER QUALITY FOR SWMP #1 WILL BE EXTENDED DETENTION WATER QUALITY FOR SWMP #2. SWMP #1 TO BE OWNED BY H.C.O.A. & MAINTAINED BY HOWARD CO. SWMP #2 TO BE OWNED BY H.C.O. DEPT. OF PARKS & RECREATION AND MAINTAINED BY HOWARD CO.
- TOPOGRAPHY SHOWN HEREON WAS PERFORMED BY WINDS AERIAL MAPPING COMPANY, MARCH 1994. ALL CONTOURS ARE TWO FOOT INTERVALS.
- PUBLIC WATER AND SEWER SYSTEMS AS PER CONTRACT NO. 34-3394-D (SECTION 1, AREA 1) ARE TO BE UTILIZED FOR THIS SITE. SEWER SERVICE DRAINAGE AREA: MIDDLE PATUXENT.
- NOISE STUDY WAS PREPARED BY REMER MUEGGE & ASSOCIATES, INC. AND APPROVED 11/19/94 UNDER P-94-25.
- GEOTECHNICAL STUDY FOR STORMWATER MANAGEMENT AND PAVEMENT FOR THIS PROJECT IS PROVIDED BY GEO-TECHNOLOGY ASSOCIATES, INC., JUNE 1994.
- ALL STREET LIGHTS SHALL BE LOCATED BETWEEN 2'-0" AND 4'-0" BEHIND FACE OF CURB.
- STREET LIGHT PLACEMENT AND TYPE OF FIXTURE AND POLE SELECTED SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. III (1993) AND AS MODIFIED BY THE GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS (JUNE 1993) WHICH INCLUDES GUIDELINES FOR LATERAL AND LONGITUDINAL PLACEMENT. STREET TREES TO BE PLACED 20' FROM STREET LIGHTS.
- WP-94-31 - APPROVED 12-17-93 WAS A WAIVER TO SECTION 16.120(c)(6)(i) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS TO ALLOW 5 ADJOINING PRESTEMS USING A SINGLE SHARED DRIVEWAY ACCESS FROM A PUBLIC ROAD.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. ANY PAVEMENT SECTION DETERMINED BY THE GEOTECHNICAL ENGINEER THAT IS LESS THAN THE HOWARD COUNTY MINIMUM STANDARD, SHALL FIRST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- CONTRACTOR SHALL PROVIDE A 20' TRANSITION WHEN CONNECTING MODIFIED CURB & GUTTER TO STANDARD CURB & GUTTER. SEE STANDARD DETAIL R-3.02.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- SIDEWALK RAMPS SHALL BE INSTALLED AT ALL INTERSECTIONS AND SHALL CONFORM TO THE CURRENT A.D.A. REQUIREMENTS.
- A TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE TRAFFIC GROUP AND WAS APPROVED ON NOVEMBER 19, 1994.
- THE AFFORESTATION/REFORESTATION AREAS HAVE SPECIFIC FINAL STABILIZATION (SEEDING) REQUIREMENTS. PLEASE REFER TO THE FOREST CONSERVATION PLANS SHEETS 12 THRU 14 OF 14 FOR THE LOCATION OF THESE SPECIALLY SEEDING AREAS.
- THE LOT DESIGN WILL COMPLY WITH THE USABLE YARD REQUIREMENTS OF SECTION 16.120(c)(ii) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- WETLANDS DISTURBANCE AS SHOWN ON THESE PLANS TO BE PERFORMED IN ACCORDANCE WITH MARYLAND DEPARTMENT OF NATURAL RESOURCES PERMIT NO. 84-NT-0812/18448422 WHICH EXPIRES ON APRIL 5, 1998 AND MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER QUALITY CERTIFICATION 88-000C-0018, CRICKET CREEK IS A USE 1 WATERWAY. IN STREAM WORK MAY NOT BE CONDUCTED FROM MARCH 1 THROUGH JUNE 15, INCLUSIVE, OF ANY YEAR.

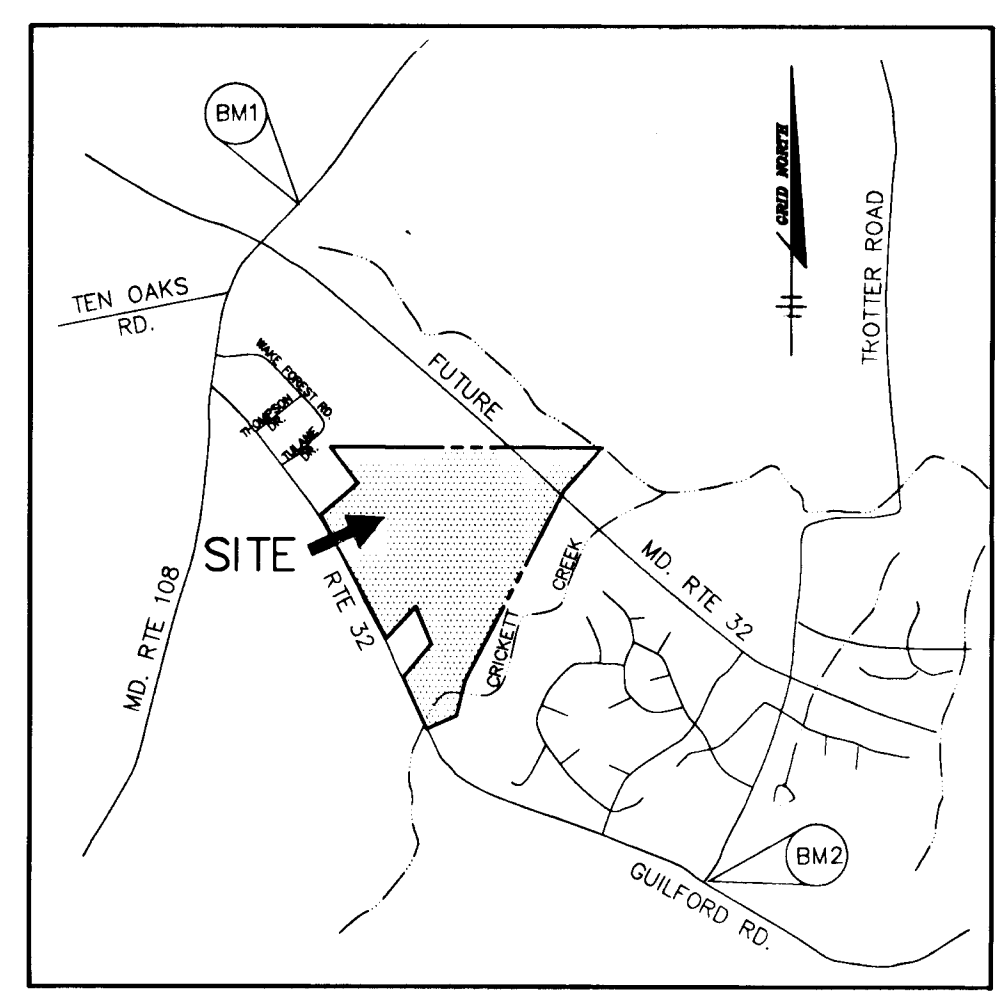


PLAN
SCALE: 1" = 40'

CURVE LISTINGS		
CURVE	RADIUS	LENGTH
C1	4000.00'	315.58'
C2	4000.00'	174.14'
C3	1519.06'	550.72'

PROPERTY LINE LIST		
LINE	BEARING	DISTANCE
L1	S 27°05'14" E	377.31'
L2	S 27°05'14" E	116.73'
L3	S 40°34'50" E	412.82'
L4	S 25°44'28" E	400.00'
L5	S 44°40'57" W	399.83'
L6	S 20°04'21" E	640.39'
L7	N 40°30'41" W	89.94'
L8	N 52°30'36" E	612.22'
L9	S 37°19'27" W	586.42'
L10	N 19°19'32" E	90.00'
L11	N 85°37'26" E	1290.16'
L12	N 85°37'26" E	433.57'
L13	N 85°37'26" E	735.60'
L14	S 49°47'59" E	187.07'
L15	S 46°13'22" E	726.20'
L16	N 46°52'20" W	63.58'
L17	S 43°03'40" W	50.00'
L18	N 46°56'20" W	50.00'
L19	N 43°03'40" E	555.24'
L20	N 46°56'20" W	50.00'
L21	N 46°56'20" W	410.78'
L22	S 41°33'05" W	555.24'
L23	S 41°33'05" W	103.22'
L24	S 19°02'08" W	234.93'
L25	S 19°50'08" W	1048.18'
L26	S 19°50'08" W	213.96'
L27	S 21°49'30" W	92.66'
L28	S 21°13'01" W	139.35'
L29	S 21°13'01" W	523.00'
L30	S 02°18'43" E	240.00'
L31	S 80°30'43" W	192.86'
L32	S 55°28'00" W	416.25'

COORDINATE LIST		
NO.	NORTHING	EASTING
100	556299.892	1330643.332
101	556635.817	1330971.926
102	556949.351	1330740.072
103	557309.657	1330566.350
104	557026.083	1330285.902
105	556739.746	1330418.372
106	557188.295	1330222.594
107	557789.789	1330002.806
108	558281.915	1329725.153
109	558328.438	1329667.652
110	558701.048	1330153.422
111	559168.349	1329799.054
112	559253.278	1329826.838
113	559351.720	1331115.236
114	559230.671	1331258.122
115	558728.543	1331182.467
116	559384.803	1331547.538
117	559341.393	1331593.990
118	559377.924	1331628.129
119	559343.785	1331644.660
120	559307.254	1331630.521
121	559026.782	1331930.648
122	559442.304	1332298.938
123	559448.539	1331952.189
124	557742.548	1331426.795
125	557540.054	1331357.695
126	557454.031	1331323.245
127	557324.140	1331272.783
128	556807.088	1331165.819
129	556567.284	1331175.501
130	556535.492	1330965.278



VICINITY MAP
SCALE: 1" = 2000'

BENCHMARKS

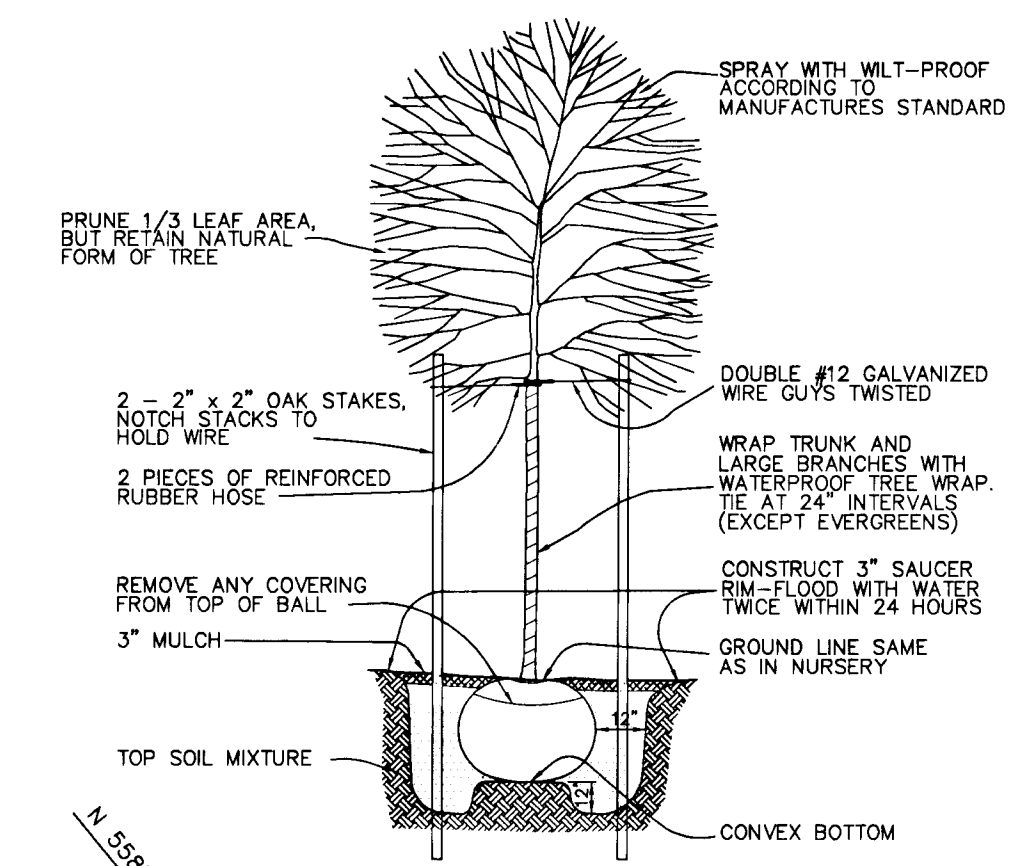
- BM1 HOWARD COUNTY MONUMENT NO. 2637003
ELEV. 481.25
CONCRETE MONUMENT
- BM2 HOWARD COUNTY MONUMENT NO. 2437003
ELEV. 472.12
CONCRETE MONUMENT

AS BUILT CERTIFICATE	
DATE	
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. <i>Andrew M. Danolo</i> 6-3-96 CHIEF, BUREAU OF HIGHWAYS	
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. <i>Jim Murray</i> 6/7/96 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	
APPROVED: <i>Carl Muegge</i> 6/5/96 CHIEF, DEVELOPMENT ENGINEERING DIVISION	
DATE	NO. REVISION
OWNER / DEVELOPER WILBEN LIMITED PARTNERSHIP C/O ANDREW L. ISAACSON 5450 WHITELEY PARK TERRACE # 410 BETHESDA, MD 20814 301-530-1123	
PROJECT	CLARKS GLEN SECTION 2 AREA 1
AREA	TAX MAP NO. 35 PARCEL 205 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	TITLE SHEET
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282	
DATE	5-16-96
DESIGNED BY:	JTD
DRAWN BY:	JTD
PROJECT NO.	HOCO 93212A1 SHT1.DWG
DATE:	MAY 16, 1996
SCALE:	AS SHOWN
DRAWING NO.	1 OF 16

1739

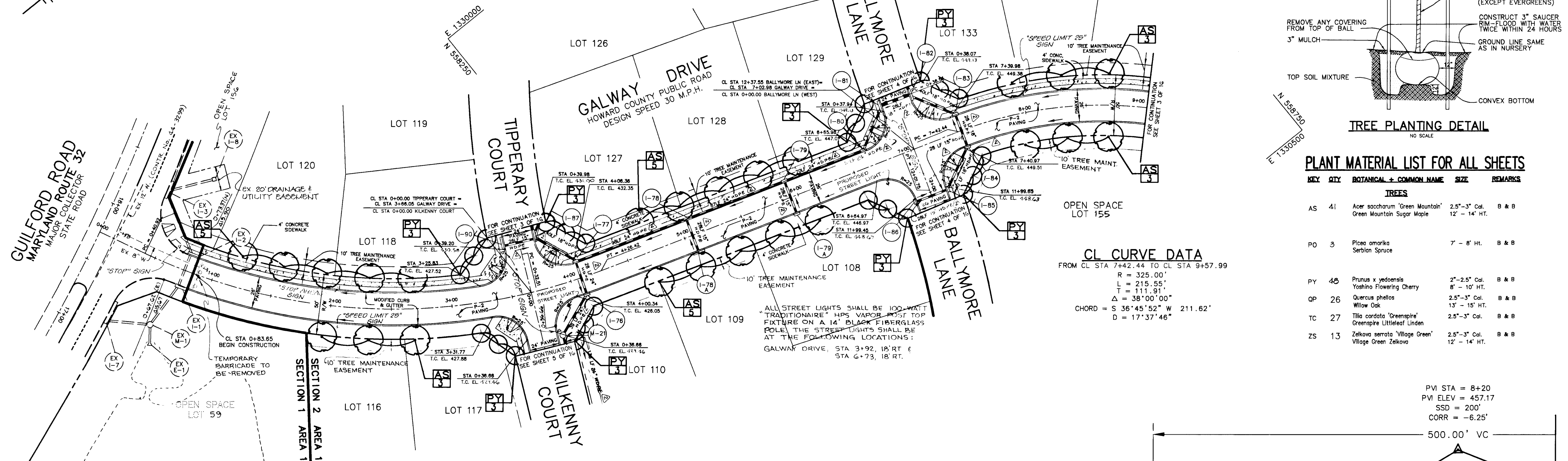
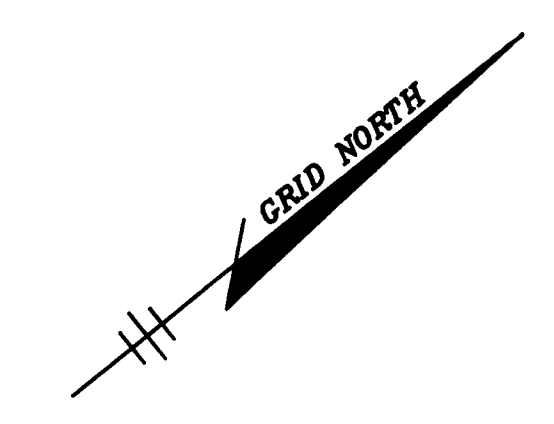
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 T = 179.23'
 Δ = 41°20'47"
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 D = 12°03'44"

CL CURVE DATA
 FROM CL STA 7+42.44 TO CL STA 9+57.99
 R = 325.00'
 L = 215.55'
 T = 111.91'
 Δ = 38°00'00"
 CHORD = S 36°45'52" W 211.62'
 D = 17°37'46"

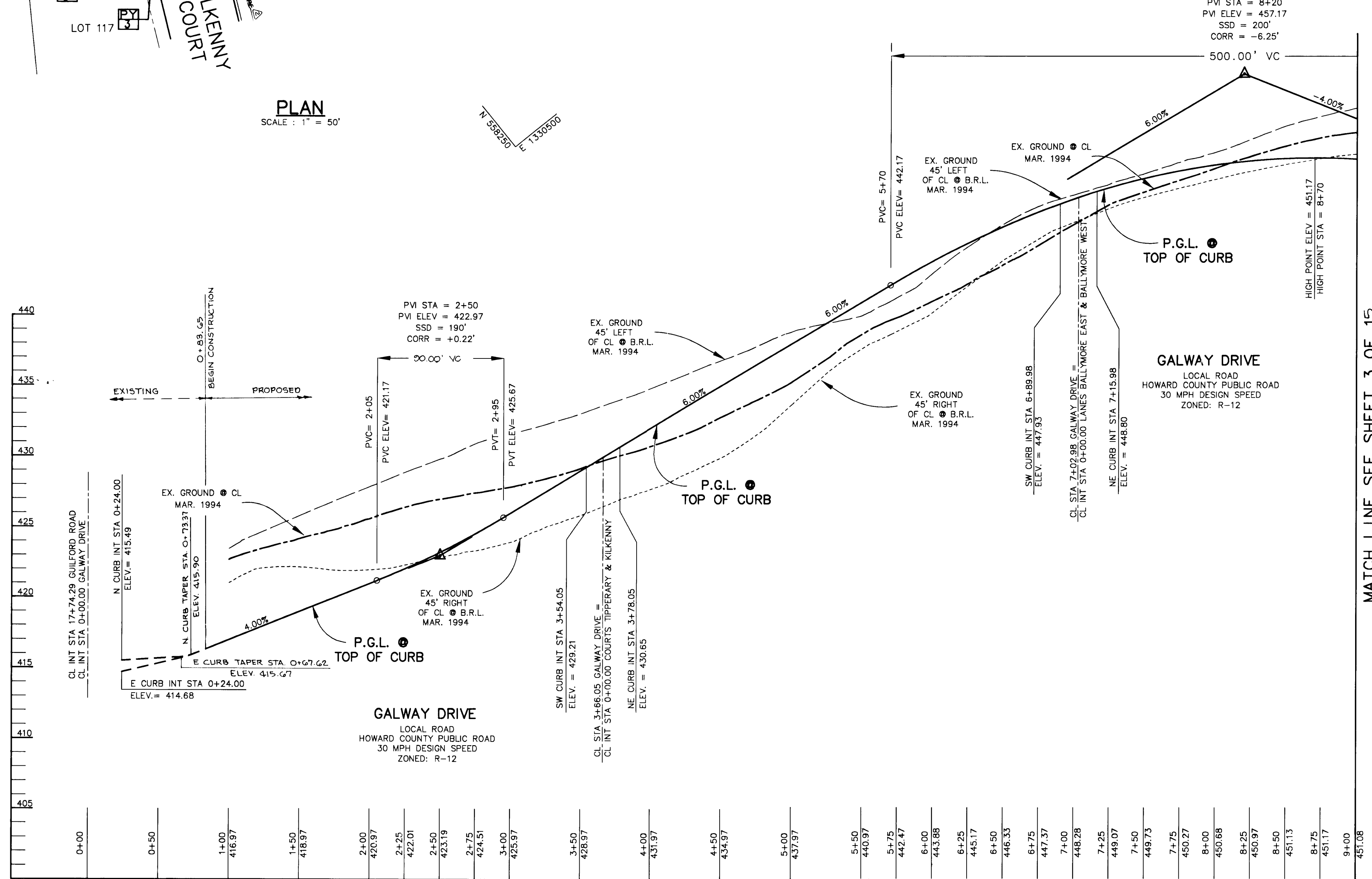


PLANT MATERIAL LIST FOR ALL SHEETS

KEY	QTY	BOTANICAL + COMMON NAME	SIZE	REMARKS
TREES				
AS	41	Acer spicatum 'Green Mountain'	2.5" - 3" Cal.	B & B
		Green Mountain Sugar Maple	12" - 14" HT.	
PO	3	Picea omorika Serbian Spruce	7' - 8' HT.	B & B
PY	40	Prunus x yedoensis Yoshino Flowering Cherry	2" - 2.5" Cal. 8' - 10' HT.	B & B
OP	26	Oleaceae sp. Wine Olive	2.5" - 3" Cal. 15' - 18' HT.	B & B
TC	27	Tilia cordata 'Greenspire' Greenspire Littleleaf Linden	2.5" - 3" Cal.	B & B
ZS	13	Zelkova serrata 'Village Green' Village Green Zelkova	2.5" - 3" Cal. 12" - 14" HT.	B & B



PLAN
 SCALE: 1" = 50'



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

MATCH LINE SEE SHEET 3 OF 15

AS BUILT CERTIFICATE

DATE _____

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Andrew M. Danaher 6-3-96
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Jim Summers 6/7/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

Chris Danaher 6/5/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

8-13-99 REVISED TYPE OF STORM DRAINAGE TO HDPE

DATE NO. _____ REVISION _____

OWNER / DEVELOPER
 WILBEN LIMITED PARTNERSHIP
 C/O ANDREW L. ISAACSON
 5450 WHITELY PARK
 TERRACE # 410
 BETHESDA, MD 20814
 301-530-1123

PROJECT
**CLARKS GLEN
 SECTION 2 AREA 1**

AREA
 TAX MAP NO. 35 PARCEL 205
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
**PLAN AND PROFILE OF GALWAY
 DRIVE, CL STA 0+83.65 THRU 9+00.00**

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
 410-997-8900 FAX: 410-997-9282

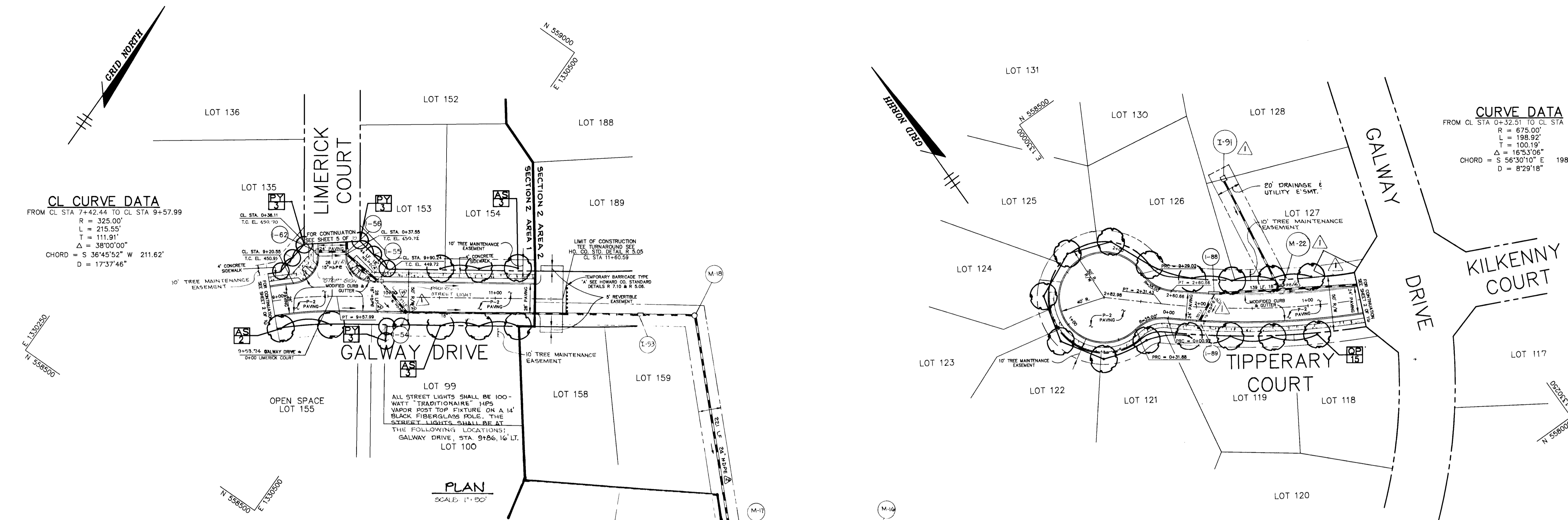
5-16-96
 DATE

DESIGNED BY: JTD
 DRAWN BY: JTD
 PROJECT NO.: HOCO 93212A
 SHT2.DWG
 DATE: MAY 16, 1996
 SCALE: AS SHOWN
 DRAWING NO. 2 OF 16

J. Parekh
 JAYKANT D. PAREKH #19148

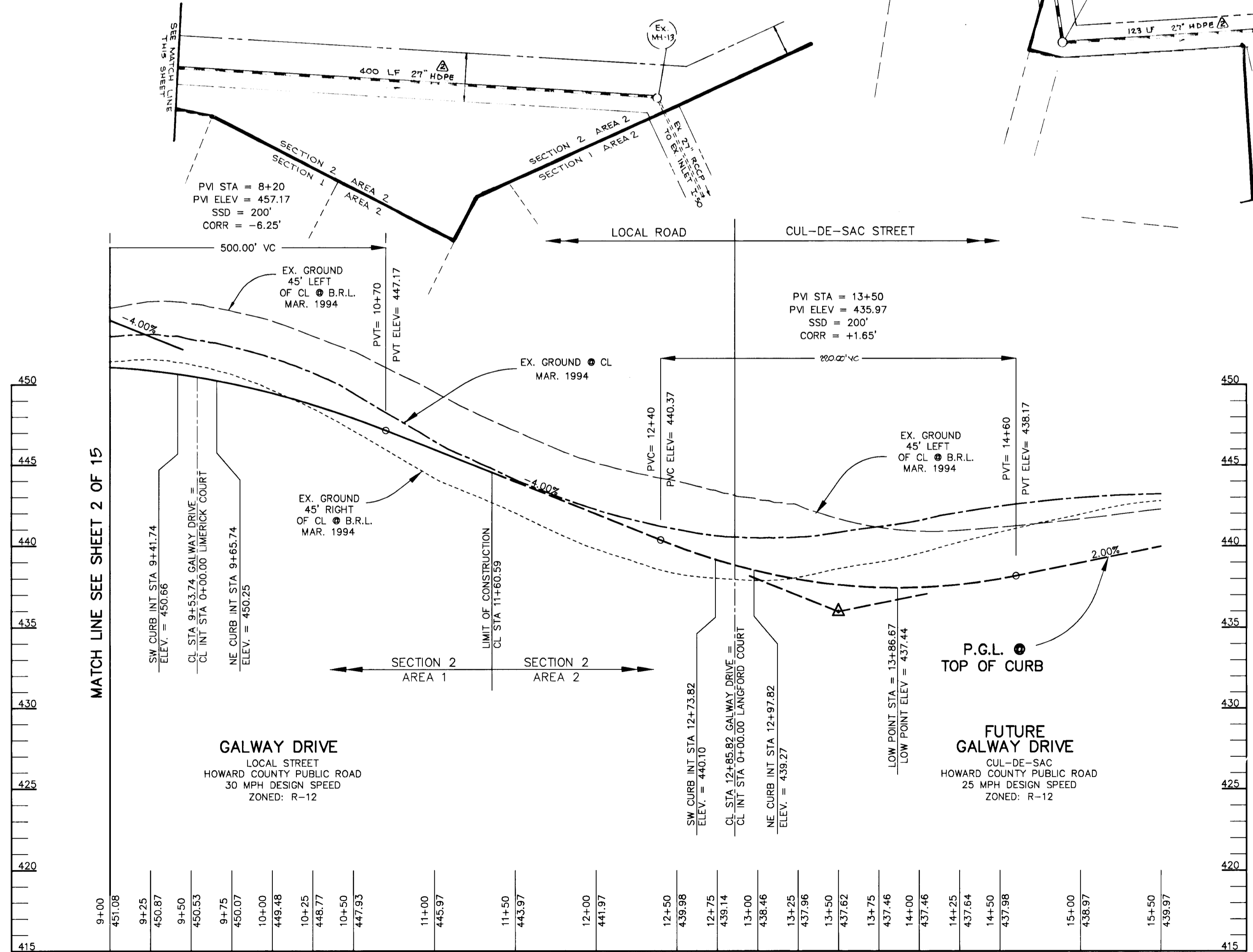
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 FROM CL STA 7+42.44 TO CL STA 9+57.99
 R = 325.00'
 L = 215.55'
 T = 111.91'
 Δ = 38°00'00"
 CHORD = S 36°45'52" W 211.62'
 D = 1737'46"

CURVE DATA
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 T = 100.19'
 Δ = 16°53'06"
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 D = 829'18"

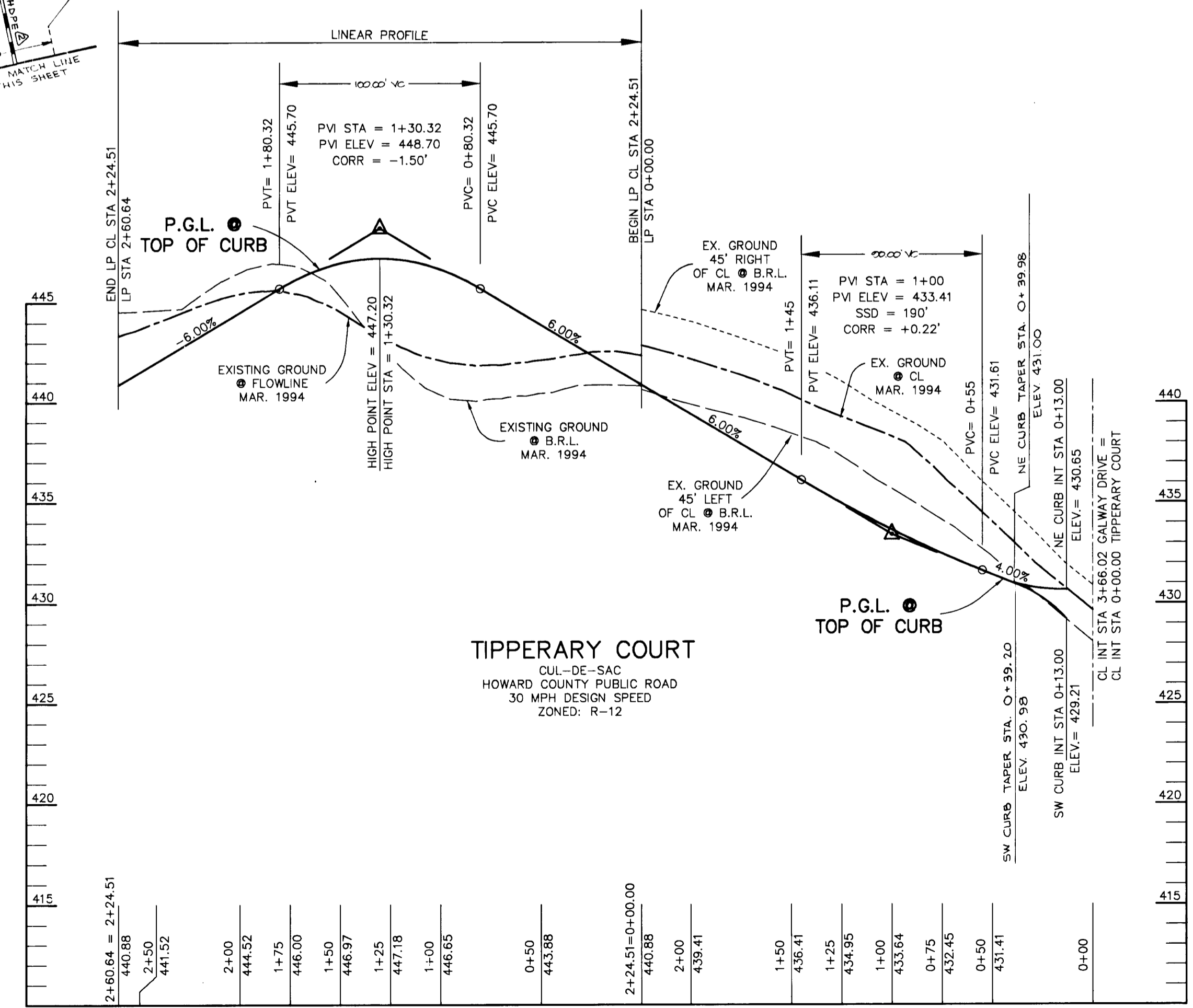


PLAN
 SCALE: 1" = 50'

PLAN
 SCALE: 1" = 50'



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



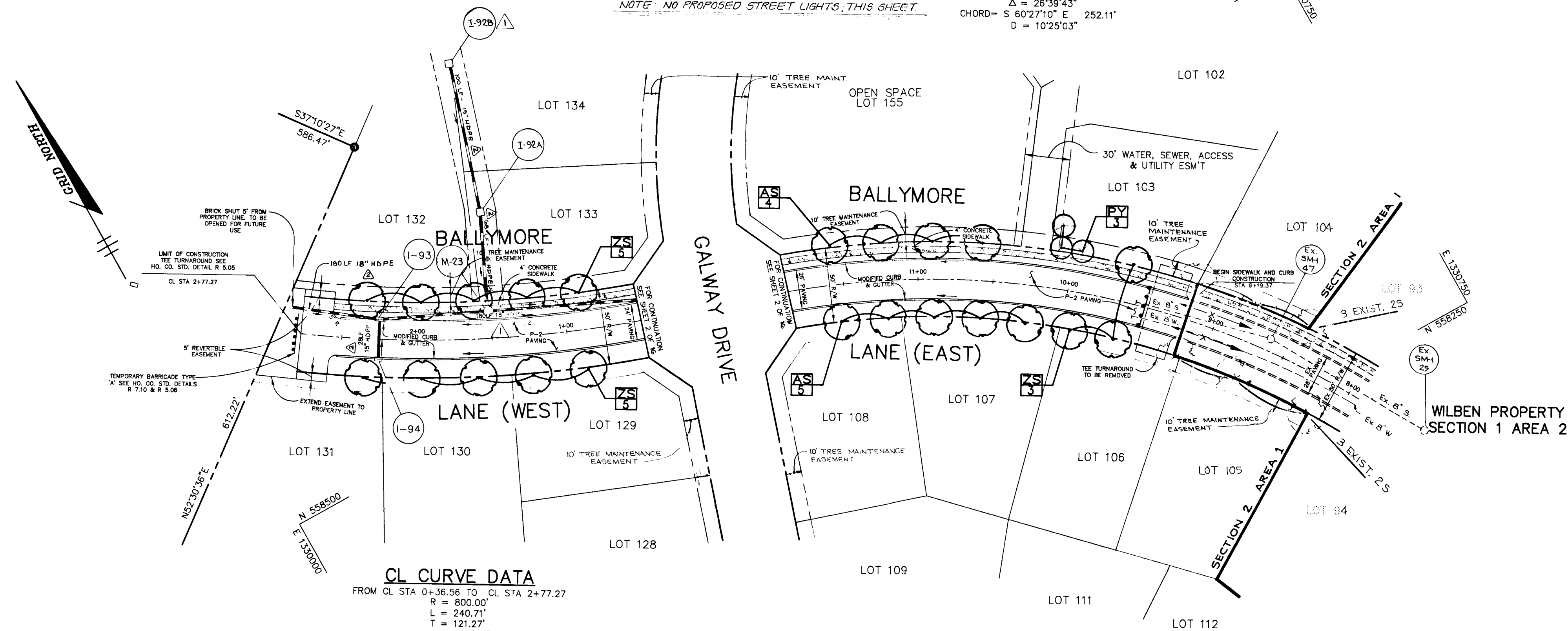
PROFILE
 SCALE:
 HOR. - 1" = 50'
 VERT. - 1" = 5'

AS BUILT CERTIFICATE	
DATE	
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.	<i>Andrew M. Daniels</i> 6-3-96 CHIEF, BUREAU OF HIGHWAYS DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	<i>Jim Swinnony</i> 6/7/96 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE
	<i>John D. Parekh</i> 6/5/96 ENGINEERING DIVISION DATE
REVISIONS: 8/18/99 [A] REVISED TYPE OF STORM DRAINAGE TO HDPE 9/30/98 [B] TAPER I-91 (TEMPORARY CT) TO CORRECT LOCATION SHOWN 1"=50' GALWAY DRIVE [C] ADDED M-22; MOVED I-91 (TEMPORARY CT)	
DATE NO.	REVISION
OWNER / DEVELOPER	WILBEN LIMITED PARTNERSHIP C/O ANDREW L. ISAACSON 5450 WHITELY PARK TERRACE # 410 BETHESDA, MD 20814 301-530-1123
PROJECT	CLARKS GLEN SECTION 2 AREA 1
AREA	TAX MAP NO. 35 PARCEL 205 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	PLAN AND PROFILE OF GALWAY DRIVE, CL STA 9+00.00 THRU 11+60.59 AND FOR TIPPERARY COURT
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282	
DATE	5-16-96
DESIGNED BY:	JTD
DRAWN BY:	JTD
PROJECT NO.	HOCO\93212A1\SH3.DWG
DATE:	MAY 16, 1996
SCALE:	AS SHOWN
DRAWING NO.	3 OF 16
J. Parekh JAYKANT D. PAREKH #19148	

CL CURVE DATA

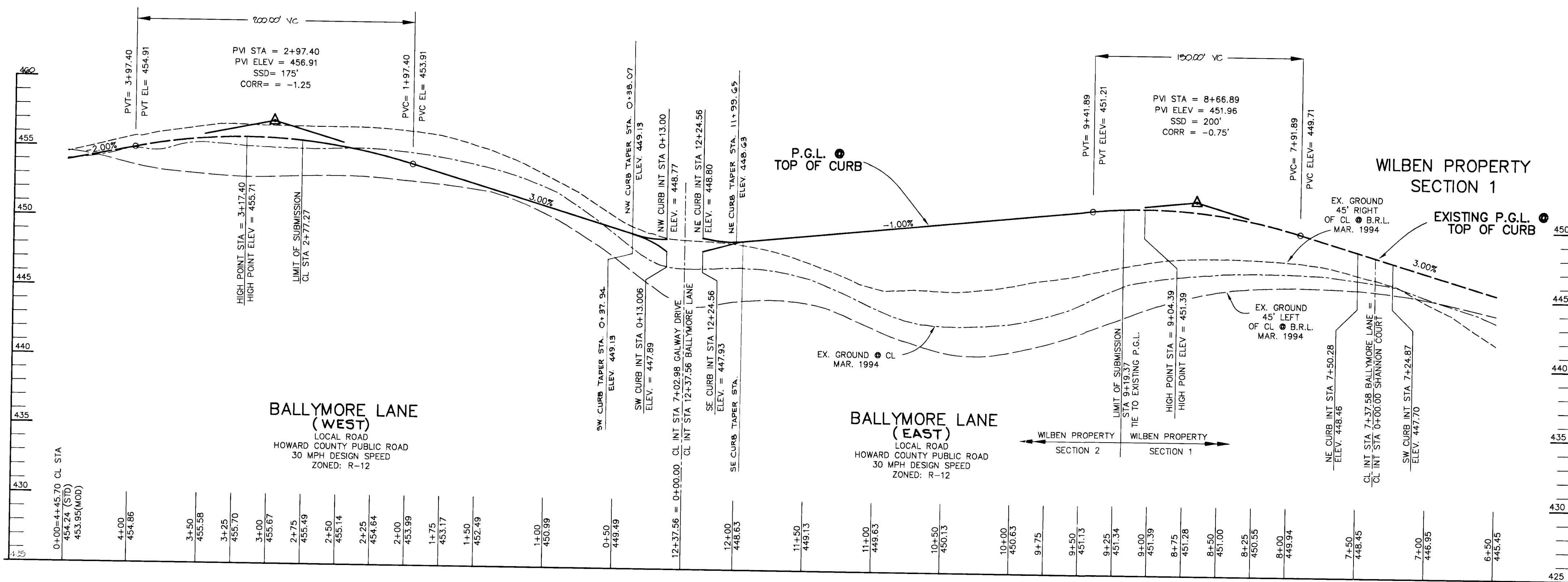
FROM CL STA 9+45.81 TO CL STA 12+01.75
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 L = 255.94'
 T = 130.33'
 Δ = 26°39'43"
 CHORD = S 60°27'10" E 252.11'
 D = 10°25'03"

NOTE: NO PROPOSED STREET LIGHTS, THIS SHEET



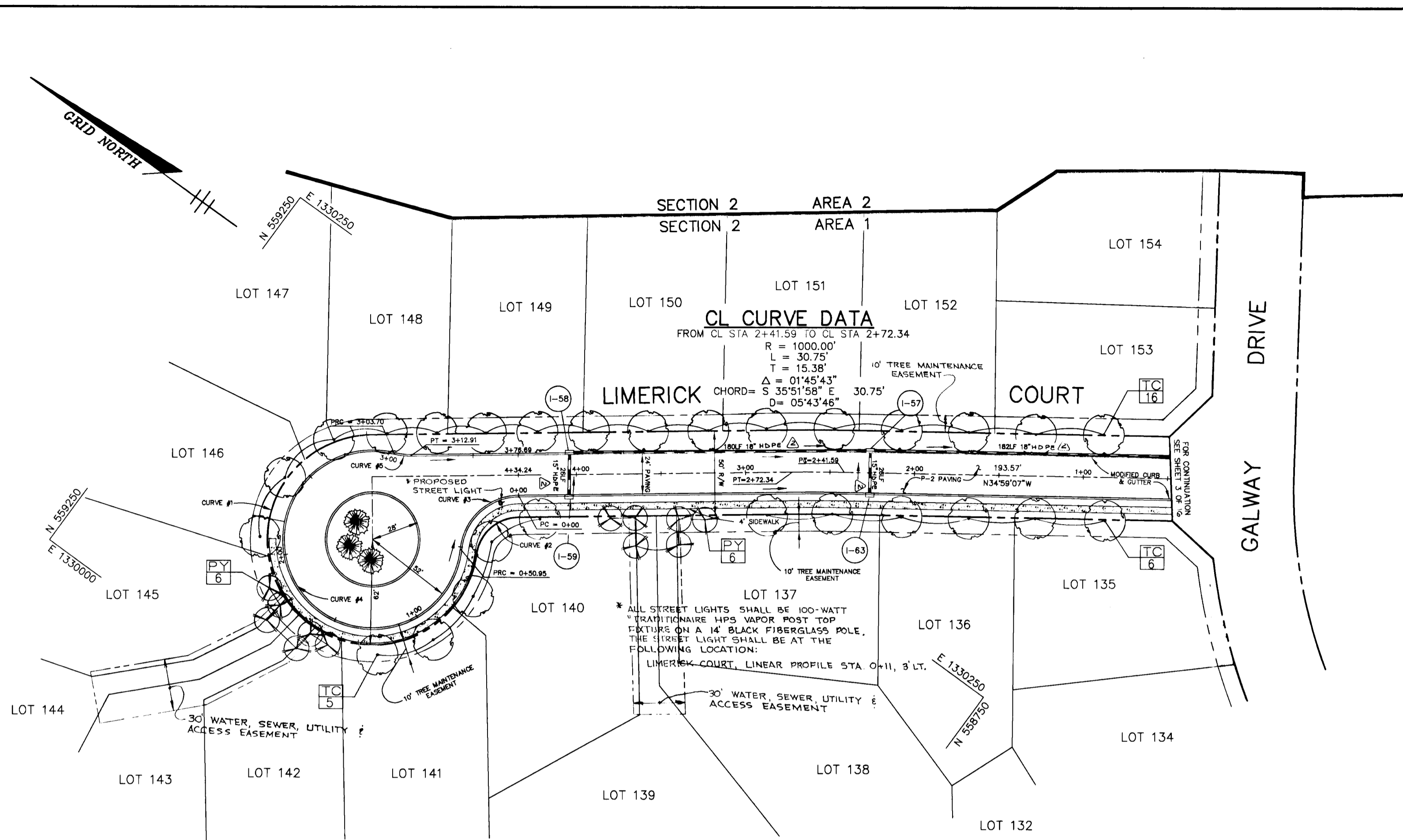
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 L = 240.71'
 T = 121.27'
 Δ = 17°14'23"
 CHORD = N 63°36'57" W 239.80'
 D = 7°09'43"

PLAN
 SCALE: 1"=50'



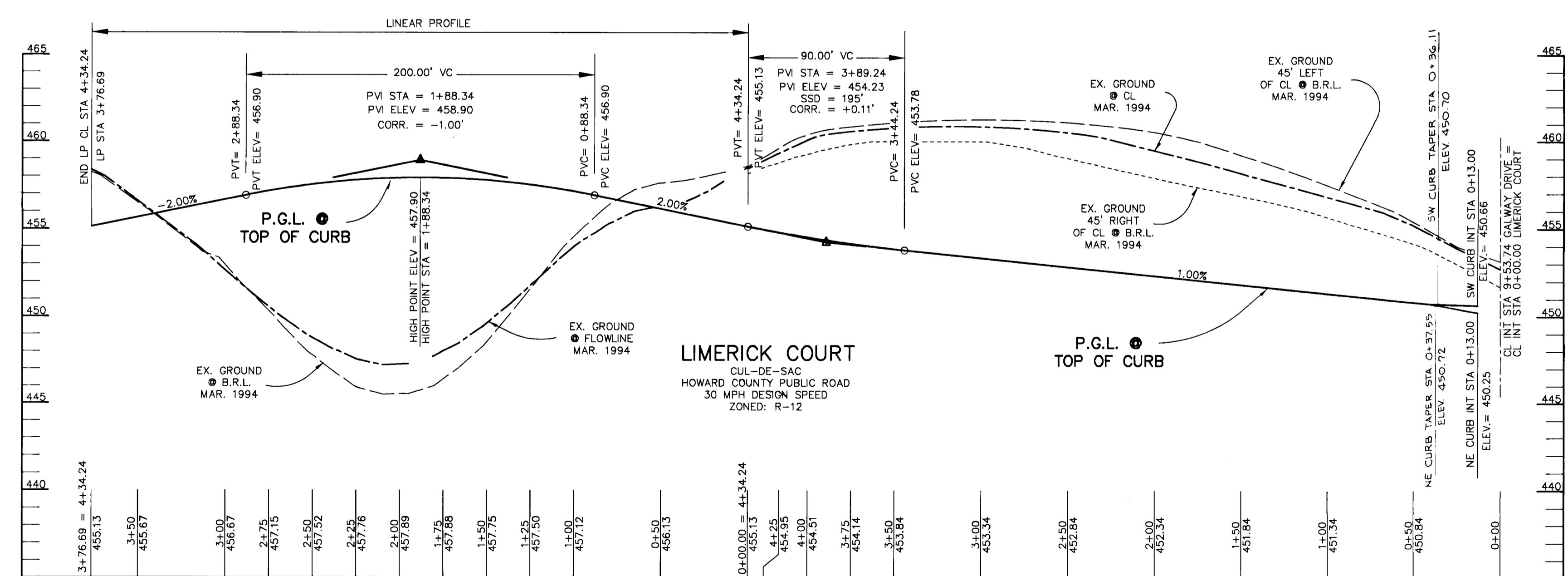
PROFILE
 SCALE:
 HOR. - 1"=50'
 VERT. - 1"=5'

AS BUILT CERTIFICATE	
DATE	
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. <i>Andrew M. Daniels</i> 6-3-96 CHIEF, BUREAU OF HIGHWAYS DATE	
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. <i>Jim Swinmank</i> 6-7-96 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE	
<i>W.D. Danner</i> 6-5-96 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE	
8 13 99 Δ REVISOR TYPE OF STORM DRAINAGE TO HOPE 9/31/98 Δ ADDED INLETS I-92A & I-92B, MANHOLE M-23 NR LOTS 133/134 BALLYMORE LN (WEST)	
DATE	NO. REVISION
OWNER / DEVELOPER WILBEN LIMITED PARTNERSHIP C/O ANDREW L. ISAACSON 5450 WHITELEY PARK TERRACE # 410 BETHESDA, MD 20814 301-530-1123	
PROJECT CLARKS GLEN SECTION 2 AREA 1	
AREA TAX MAP NO. 35 PARCEL 205 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE PLAN AND PROFILE OF BALLYMORE LANE, CL STA 9+45.81 TO 12+37.56 (SE) AND, CL STA 0+00.00 TO 2+77.27 (NW)	
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282	
DATE 5-16-96	DESIGNED BY: JTD
	DRAWN BY: JTD
	PROJECT NO.: HOCO 93212A1 SHT4.DWG
	DATE: MAY 16, 1996
	SCALE: AS SHOWN
<i>J. Burrell</i> JAYKANT D. PAREKH #19148	DRAWING NO. 4 OF 16

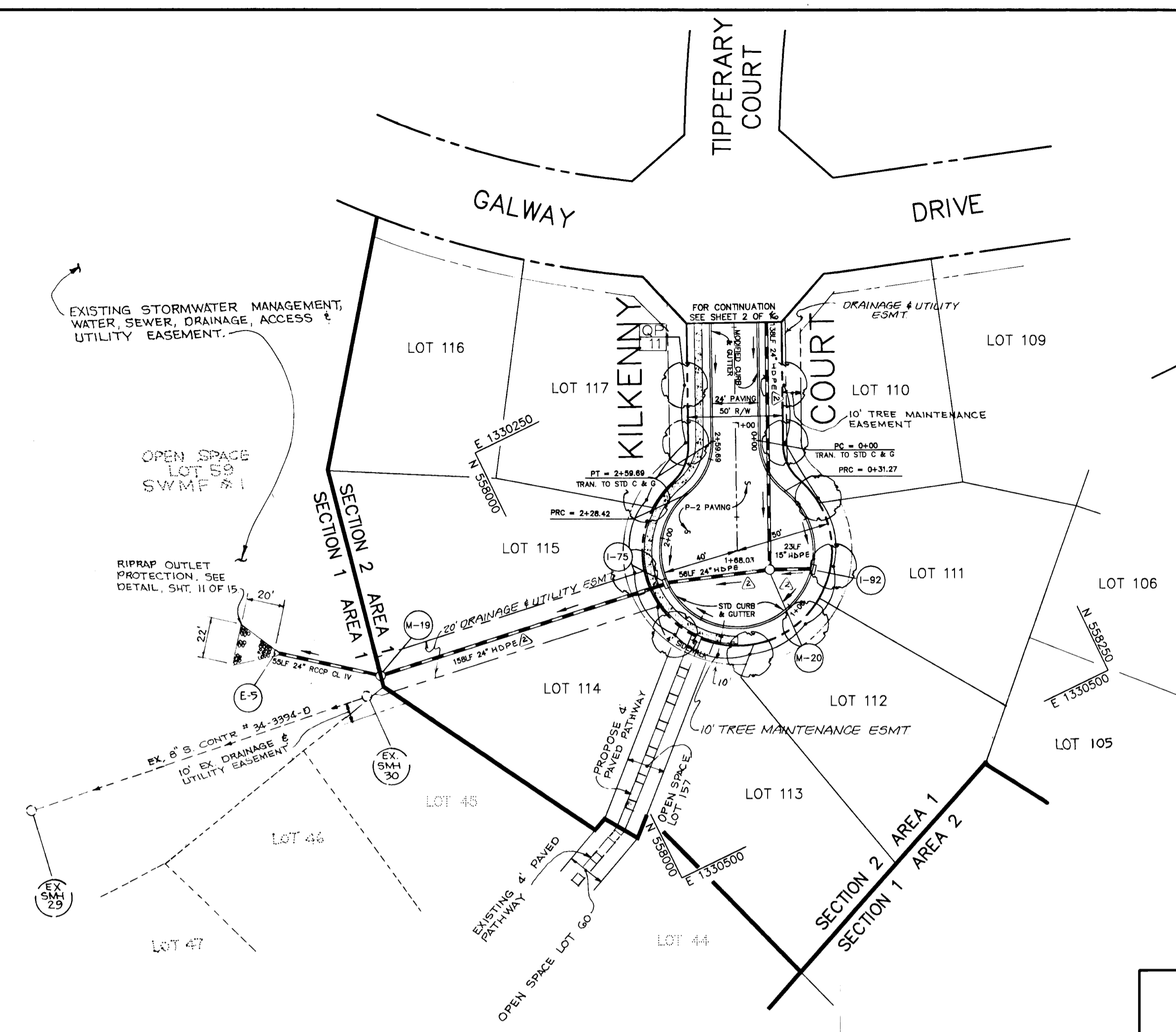


PLAN
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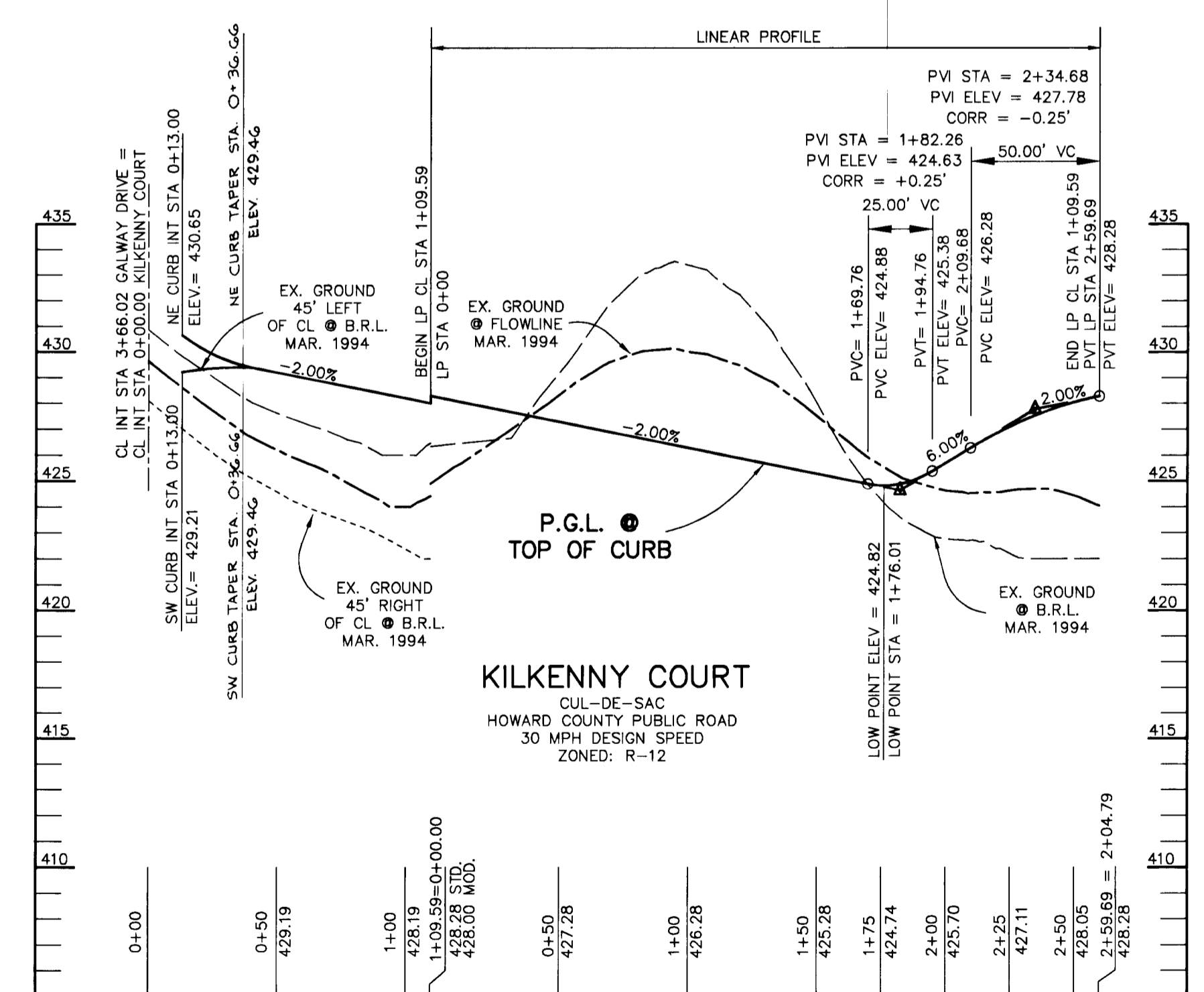
CURVE DATA					
CURVE NUMBER					
	1	2	3	4	5
Δ	261°24'23"	81°24'23"	83°23'59"	278°29'24"	15°05'25"
R	62.00'	25.00'	35.00'	52.00'	35.00'
L	282.87'	35.52'	50.95'	525.75'	9.22'
T	72.07'	21.51'	31.18'	44.81'	4.64'
L.C.	94.00'	32.61'	46.57'	67.89'	9.19'



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



PLAN
SCALE: 1" = 50'

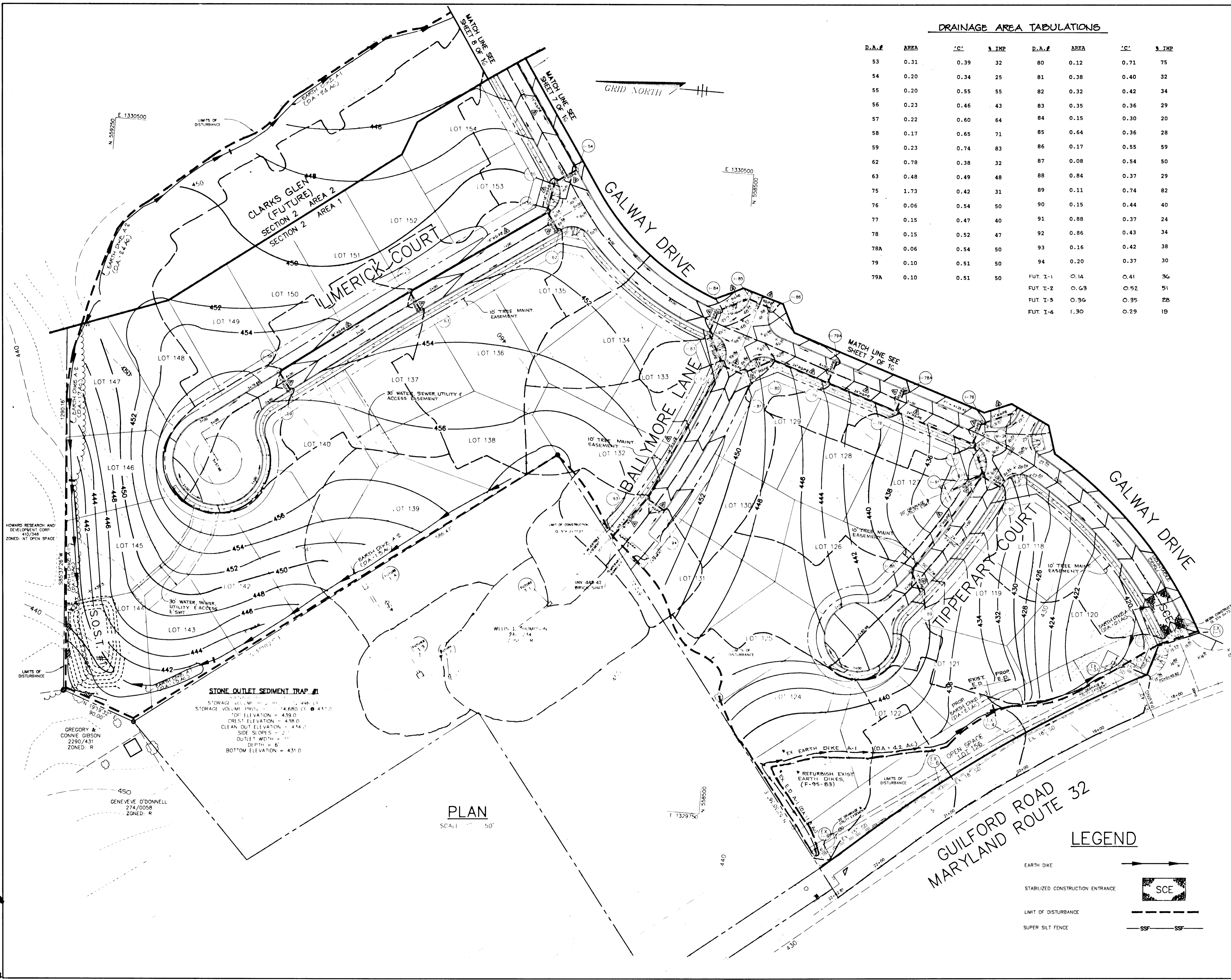


PROFILE
SCALE:
HOR.—1" = 50'
VERT.—1" = 5'

AS BUILT CERTIFICATE	
DATE	
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.	DATE: 6-3-96
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	DATE: 6/5/96
B. 13-99 REVISED TYPE OF STORM DRAINAGE TO HDPE DATE NO. REVISION OWNER / DEVELOPER: WILBEN LIMITED PARTNERSHIP C/O ANDREW L. ISAACSON 5450 WHITELEY PARK TERRACE # 410 BETHESDA, MD 20814 301-530-1123 PROJECT: CLARKS GLEN SECTION 2 AREA 1 AREA: TAX MAP NO. 35 PARCEL 205 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND TITLE: PLAN AND PROFILES OF LIMERICK AND KILKENNY COURTS RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282 DATE: 5-16-96 DESIGNED BY: JTD DRAWN BY: JTD PROJECT NO.: HOCO\93212A1 SHTS.DWG DATE: MAY 16, 1996 SCALE: AS SHOWN DRAWING NO.: 5 OF 16	

1739

1739



DRAINAGE AREA TABULATIONS

D.A.#	AREA	'C'	% IMP	D.A.#	AREA	'C'	% IMP
53	0.31	0.39	32	80	0.12	0.71	75
54	0.20	0.34	25	81	0.38	0.40	32
55	0.20	0.55	55	82	0.32	0.42	34
56	0.23	0.46	43	83	0.35	0.36	29
57	0.22	0.60	64	84	0.15	0.30	20
58	0.17	0.65	71	85	0.64	0.36	28
59	0.23	0.74	83	86	0.17	0.55	59
62	0.78	0.38	32	87	0.08	0.54	50
63	0.48	0.49	48	88	0.84	0.37	29
75	1.73	0.42	31	89	0.11	0.74	82
76	0.06	0.54	50	90	0.15	0.44	40
77	0.15	0.47	40	91	0.88	0.37	24
78	0.15	0.52	47	92	0.86	0.43	34
78A	0.06	0.54	50	93	0.16	0.42	38
79	0.10	0.51	50	94	0.20	0.37	30
79A	0.10	0.51	50	FUT I-1	0.14	0.41	36
				FUT I-2	0.43	0.52	51
				FUT I-3	0.36	0.35	28
				FUT I-4	1.30	0.29	19

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.
Michael B. ...
 DEVELOPER DATE 5/14/96

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.
J. Sarell
 ENGINEER DATE 5.16.96

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

NATURAL RESOURCES CONSERVATION SERVICE DATE

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

HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Andrew M. ...
 CHIEF, BUREAU OF HIGHWAYS DATE 6-3-96

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Jim ...
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE 6/1/96

William ...
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 6/5/96

DATE NO. REVISION

OWNER / DEVELOPER
 WILBEN LIMITED PARTNERSHIP
 C/O ANDREW L. ISAACSON
 5450 WHITELY PARK
 TERRACE # 410
 BETHESDA, MD 20814
 301-530-1123

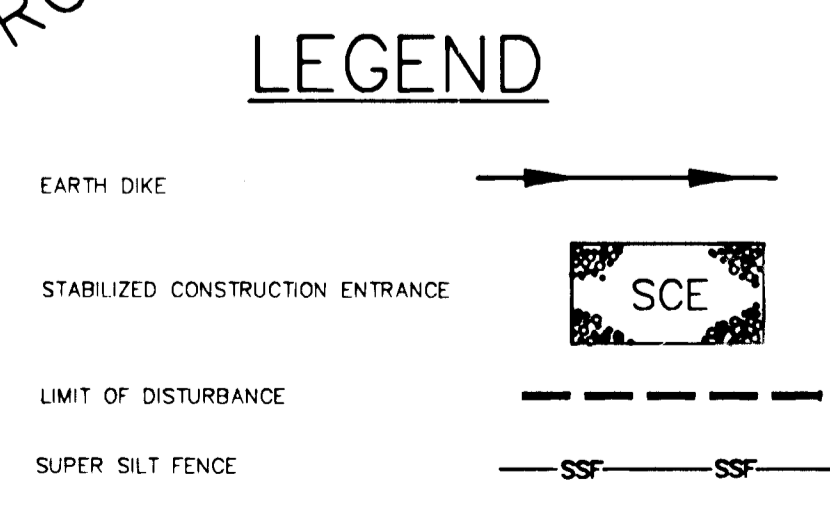
PROJECT
 CLARKS GLEN
 SECTION 2 AREA 1

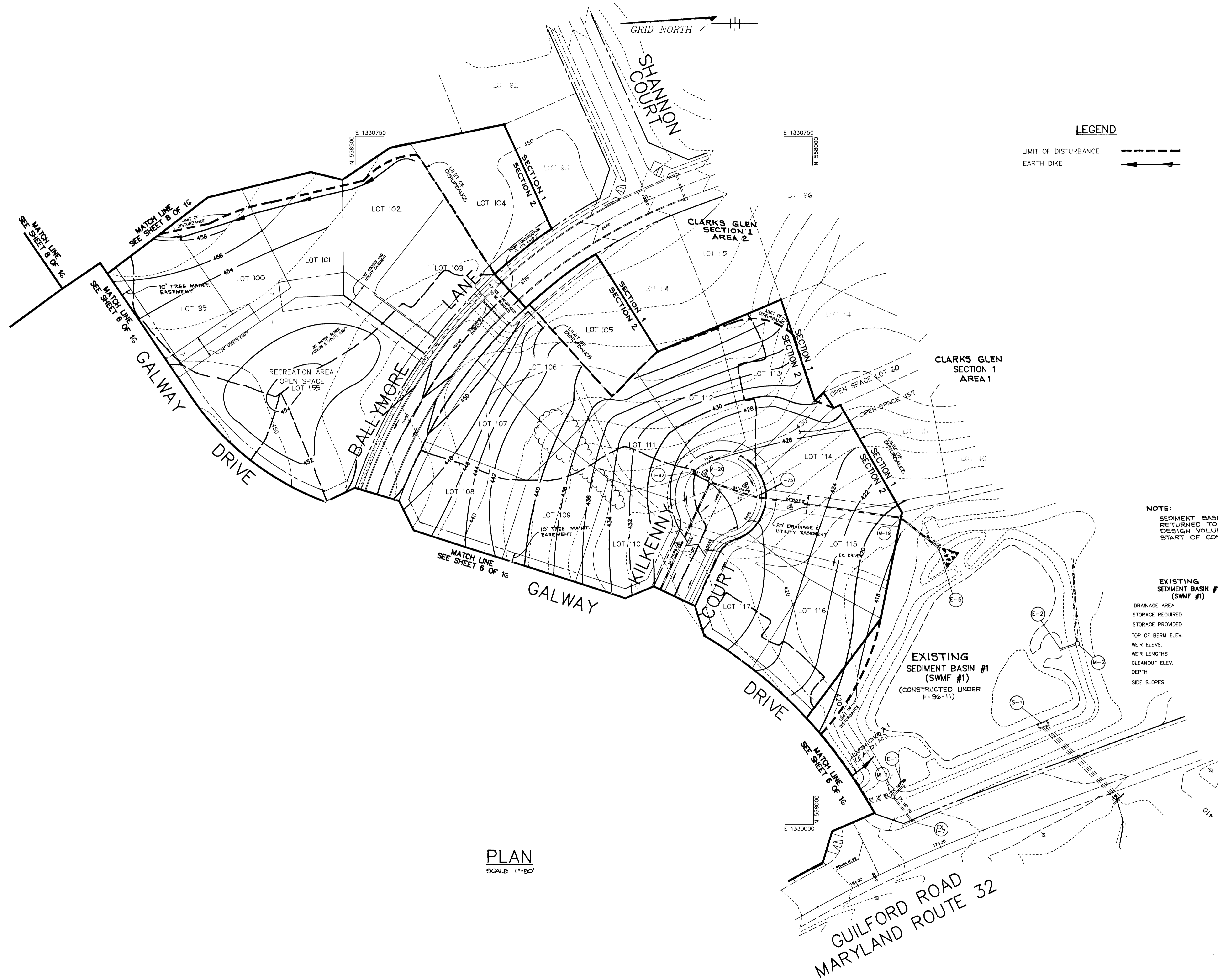
AREA
 TAX MAP NO. 35 PARCEL 205
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
 GRADING AND SEDIMENT CONTROL

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
 410-997-8900 FAX : 410-997-8282

5.16.96
 DATE
 DESIGNED BY : JTD
 DRAWN BY : JTD
 PROJECT NO : HOCO\93212A1
 SH16.DWG
 DATE : MAY 16, 1996
 SCALE : AS SHOWN
J. Sarell
 JAYKANT D. PAREKH #19148
 DRAWING NO. 6 OF 16





BY THE DEVELOPER :
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Mahad Rajgopal 5/14/96
 DEVELOPER DATE

BY THE ENGINEER :
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

J. Parekh 5.16.96
 ENGINEER DATE

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

NATURAL RESOURCES CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATE
 DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Andrew M. Danek 6-3-96
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Jim Zimmerman 6/7/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

Mr. Dammann 6/5/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

6-13-99 REVISED TYPE OF STORM DRAINAGE TO HDPE

DATE NO. REVISION
 OWNER / DEVELOPER
 WILBEN LIMITED PARTNERSHIP
 C/O ANDREW L. ISAACSON
 5450 WHITELY PARK TERRACE # 410
 BETHESDA, MD 20814
 301-530-1123

PROJECT **CLARKS GLEN SECTION 2 AREA 1**

AREA TAX MAP NO. 35 PARCEL 205
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

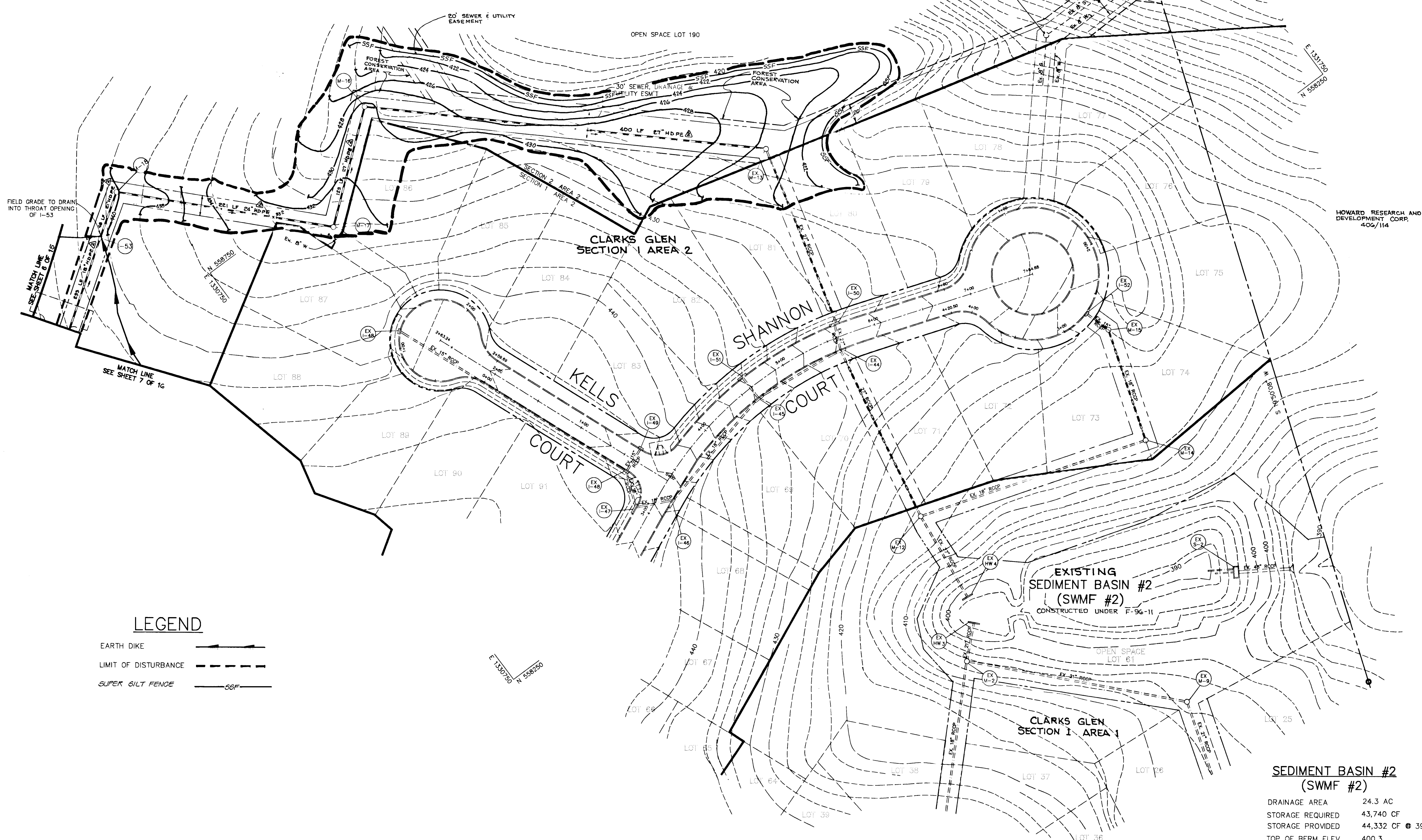
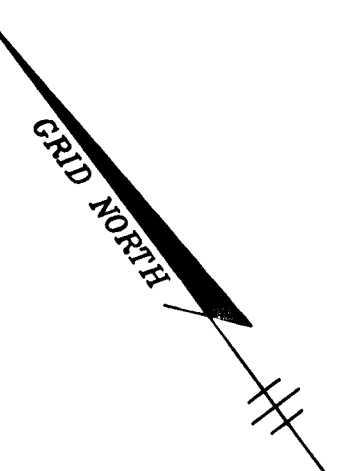
TITLE **GRADING AND SEDIMENT CONTROL**

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
 410-997-8900 FAX : 410-997-9282

5.16.96 DATE
 DESIGNED BY : JTD
 DRAWN BY : BLW
 PROJECT NO. : HOCO\93212A1 SH17.DWG
 DATE : MAY 16, 1996
 SCALE : AS SHOWN
 DRAWING NO. : 7 OF 16
J. Parekh
 JAYKANT D. PAREKH #19148

1739

CLARKS GLEN
SECTION 2 AREA 2



LEGEND

- EARTH DIKE ————
- LIMIT OF DISTURBANCE - - - - -
- SUPER GILT FENCE ————

PLAN

SCALE: 1" = 50'

NOTE:
SEDIMENT BASIN # 2 TO
BE RETURNED TO ORIGINAL
DESIGN VOLUME PRIOR
TO START OF CONSTRUCTION.

SEDIMENT BASIN #2
(SWMF #2)

DRAINAGE AREA	24.3 AC
STORAGE REQUIRED	43,740 CF
STORAGE PROVIDED	44,332 CF @ 395.7
TOP OF BERM ELEV.	400.3
WEIR ELEV.	395.7 & 393.4
WEIR LENGTH	4' & 27.67'
CLEANOUT ELEV.	394.0
DEPTH	5.9'
SIDE SLOPES	2:1

BY THE DEVELOPER :
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION
WILL BE DONE ACCORDING TO THESE PLANS, 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 SHALL ENGAGE A
REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND
CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION
DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30
DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE
INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Muhammad J. Parekh 5/14/96
DEVELOPER DATE

BY THE ENGINEER :
I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION
AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND
WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE
SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE
WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION
DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE
MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO
SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD
SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF
THE POND WITHIN 30 DAYS OF COMPLETION.

J. Parekh 5.16.96
ENGINEER DATE

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

NATURAL RESOURCES CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL
EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS
OF THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATE

DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC
WORKS.

Andrew M. Daneshmandi 6-3-96
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING
AND ZONING.

Uma J. Johnson 6/7/96
CHIEF, DIVISION OF LAND
DEVELOPMENT AND RESEARCH DATE

William J. Johnson 6/5/96
CHIEF, DEVELOPMENT
ENGINEERING DIVISION DATE

8-13-99 REVISED TYPE OF STORM DRAINAGE TO HDPE
DATE NO. REVISION

OWNER / DEVELOPER
WILBEN LIMITED PARTNERSHIP
C/O ANDREW L. ISAACSON
5450 WHITELEY PARK
TERRACE # 410
BETHESDA, MD 20814
301-530-1123

PROJECT CLARKS GLEN
SECTION 2 AREA 1

AREA TAX MAP NO. 35 PARCEL 205
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE GRADING AND SEDIMENT CONTROL

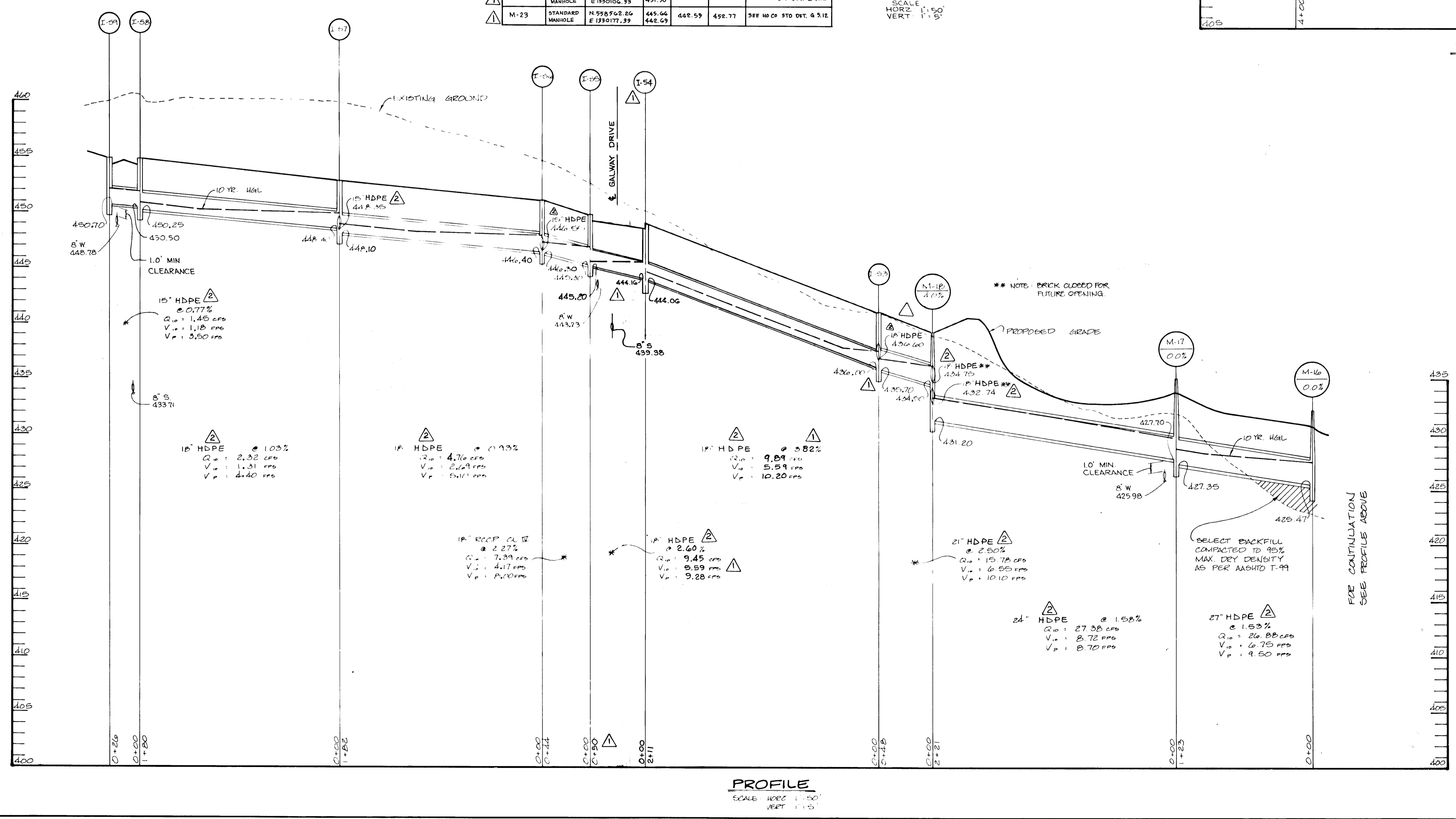
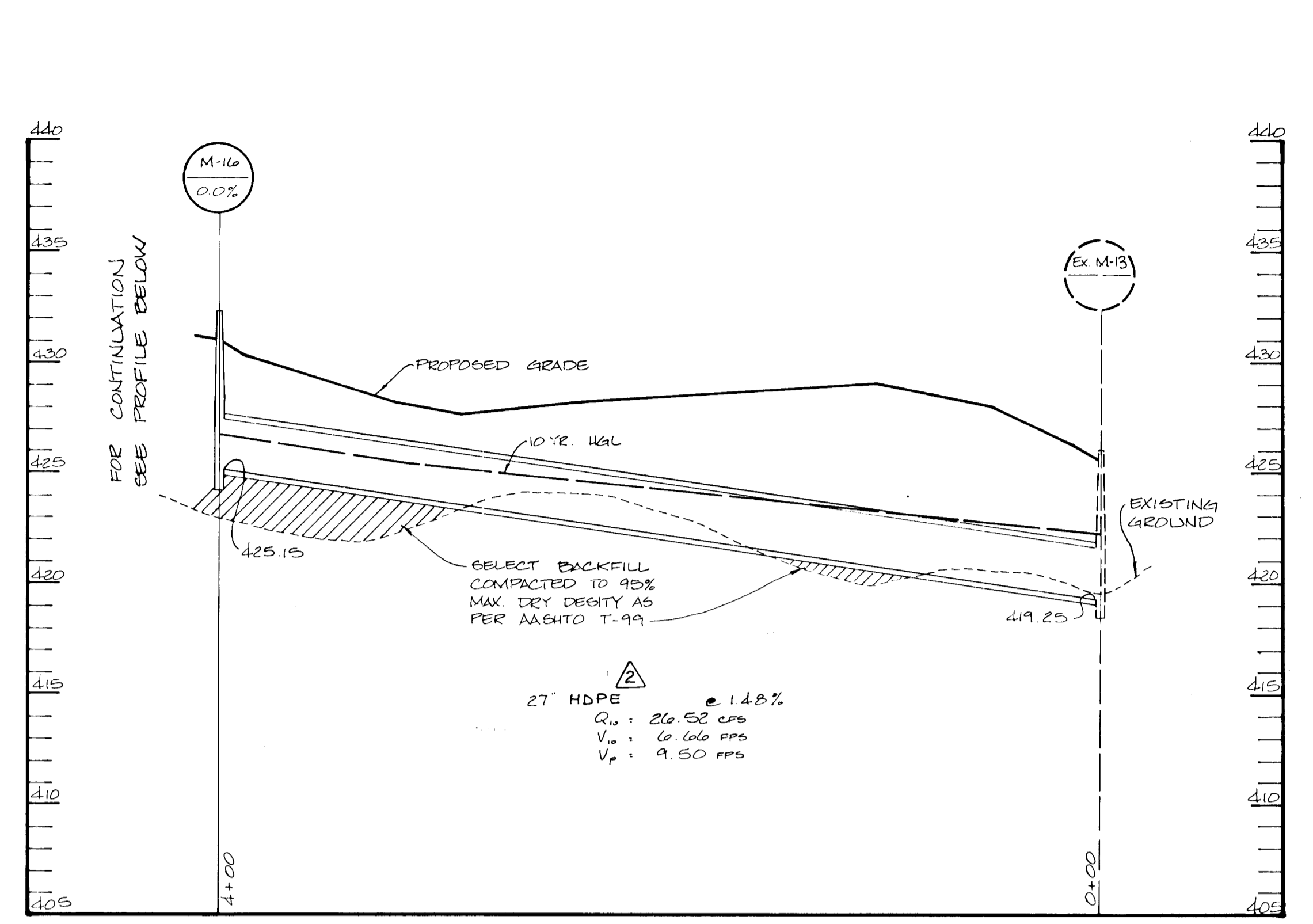
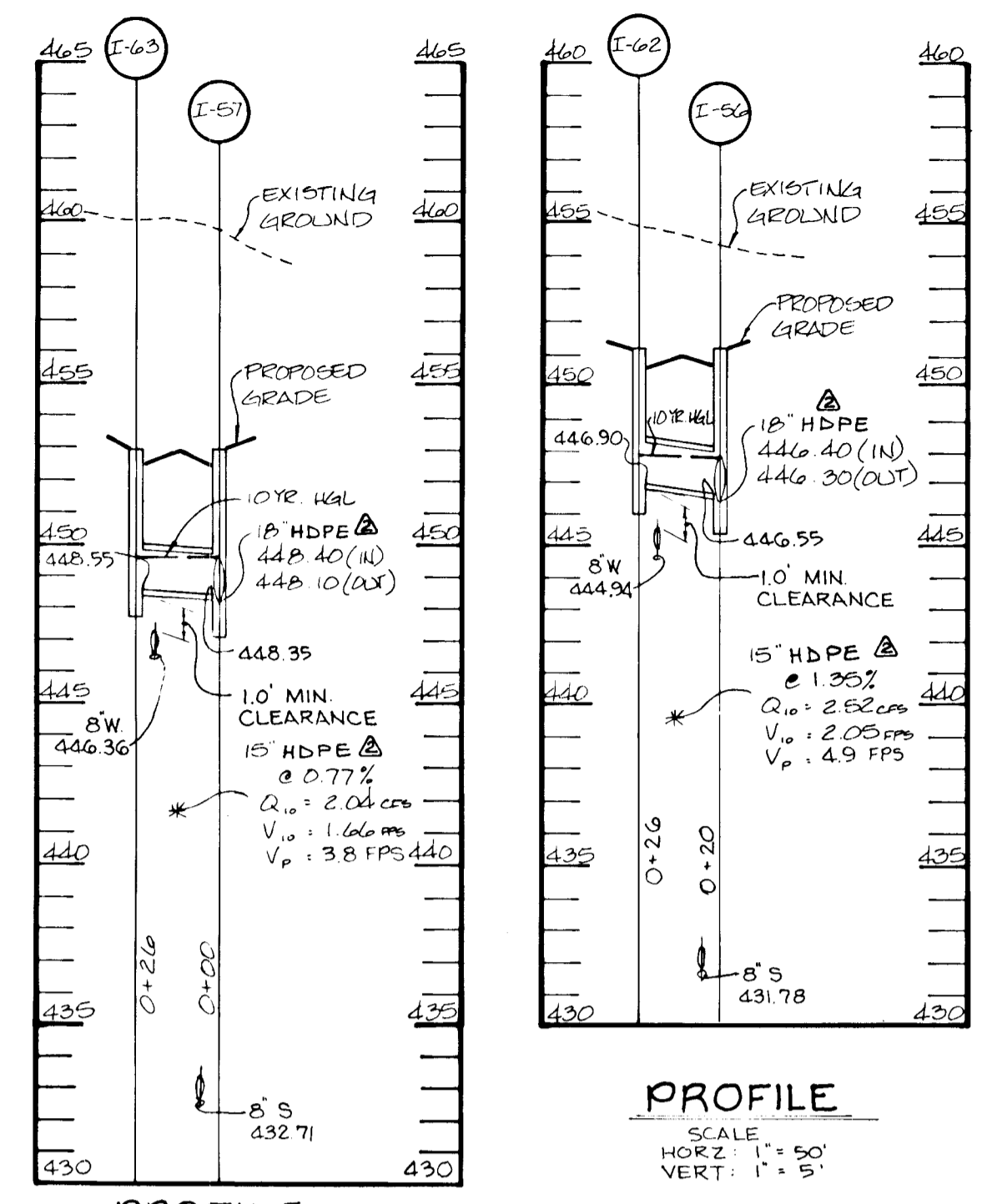
RIEMER MUEGGE & ASSOCIATES, INC.
Planners • Engineers • Surveyors
8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
410-997-8900 FAX : 410-997-9282

5.16.96 DATE	5-94-16, WP-94-31, P-94-25, F-95-83 & P-95-16
DESIGNED BY :	JTD
DRAWN BY :	JTD
PROJECT NO :	HOCO\93212A1 SHT8.DWG
DATE :	MAY 16, 1996
SCALE :	AS SHOWN
J. Parekh JAYKANT D. PAREKH #19148	DRAWING NO. 8 OF 16

0739

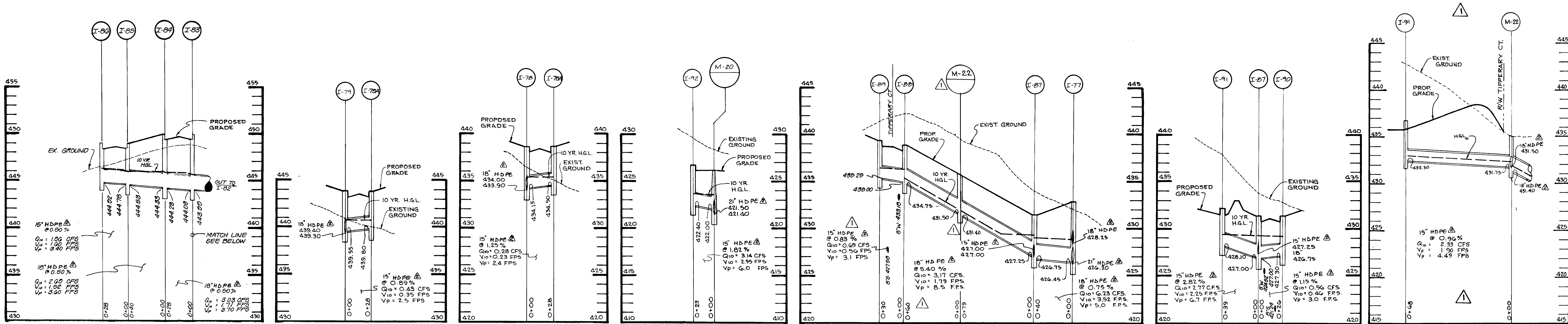
STRUCTURE SCHEDULE						
STRUCTURE NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-53	A-10	GALWAY DR. CL STA 12+30.12 RT	436.60	435.70	441.05	SEE HO. CO. STD. DETAIL SE 4.00
I-54	A-5	GALWAY DR. CL STA 10+80.09 13.6 W	444.16	444.70	449.00	SEE HO. CO. STD. DETAIL SE 4.00
I-55	A-5	GALWAY DR. CL STA 8+97.12 LT	445.30	445.20	449.84	SEE HO. CO. STD. DETAIL SE 4.00
I-56	A-5	UNION CT. CL STA 4+98.12 RT	446.40	446.30	451.06	SEE HO. CO. STD. DETAIL SE 4.00
I-57	A-5	UNION CT. CL STA 2+28.12 RT	446.30	446.10	452.88	SEE HO. CO. STD. DETAIL SE 4.00
I-58	A-5	UNION CT. CL STA 4+98.12 RT	450.00	450.20	454.89	SEE HO. CO. STD. DETAIL SE 4.00
I-58	A-5	UNION CT. CL STA 4+98.12 RT	---	450.70	454.89	SEE HO. CO. STD. DETAIL SE 4.00
I-62	A-5	UNION CT. CL STA 2+28.12 RT	---	446.90	451.06	SEE HO. CO. STD. DETAIL SE 4.00
I-63	A-5	UNION CT. CL STA 2+28.12 RT	---	446.30	452.88	SEE HO. CO. STD. DETAIL SE 4.00
I-75	A-10	WILSON CT. CL STA 1+78.12 LT	420.20	420.10	424.82	SEE HO. CO. STD. DETAIL SE 4.00
I-76	A-10	GALWAY DR. CL STA 12+30.12 RT	426.00	425.90	432.79	SEE HO. CO. STD. DETAIL SE 4.00
I-77	A-10	GALWAY DR. CL STA 4+06.12 LT	426.20	426.20	432.79	SEE HO. CO. STD. DETAIL SE 4.00
I-78	A-10	GALWAY DR. CL STA 5+07.12 LT	434.15	434.00	439.67	SEE HO. CO. STD. DETAIL SE 4.00
I-79	A-10	GALWAY DR. CL STA 6+43.12 LT	435.55	435.30	442.83	SEE HO. CO. STD. DETAIL SE 4.00
I-80	A-10	GALWAY DR. CL STA 6+43.12 LT	440.00	440.00	448.89	SEE HO. CO. STD. DETAIL SE 4.00
I-81	A-10	BALTIMORE CL STA 0+43.12 LT	441.30	440.80	449.12	SEE HO. CO. STD. DETAIL SE 4.00
I-82	A-10	BALTIMORE CL STA 0+43.12 LT	443.70	443.60	449.12	SEE HO. CO. STD. DETAIL SE 4.00
I-83	A-5	GALWAY DR. CL STA 7+40.12 LT	445.60	445.30	449.89	SEE HO. CO. STD. DETAIL SE 4.00
I-92 A	D-INLET	N 95824.10 E 1930209.96	446.00	446.00	450.00	SEE HO. CO. STD. DET. 90 4.39
I-92 B	D-INLET	N 95824.10 E 1930209.96	---	446.75	450.00	SEE HO. CO. STD. DET. 90 4.39

STRUCTURE SCHEDULE						
STRUCTURE NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-84	A-5	GALWAY DR. CL STA 7+40.12 RT	444.33	444.23	449.79	SEE HO. CO. STD. DETAIL SE 4.00
I-78A	A-5	GALWAY DR. CL STA 7+40.12 RT	---	434.50	438.67	SEE HO. CO. STD. DETAIL SE 4.00
I-78A	A-10	GALWAY DR. CL STA 7+40.12 RT	---	439.80	443.83	SEE HO. CO. STD. DETAIL SE 4.00
I-85	A-5	BALTIMORE CL STA 1+84.12 RT	444.78	444.53	448.97	SEE HO. CO. STD. DETAIL SE 4.00
I-86	A-5	BALTIMORE CL STA 1+84.12 RT	---	444.92	448.97	SEE HO. CO. STD. DETAIL SE 4.00
I-87	A-10	TEMPERARY CL STA 1+84.12 RT	427.00	427.00	431.45	SEE HO. CO. STD. DETAIL SE 4.00
I-88	A-10	TEMPERARY CL STA 1+84.12 RT	427.00	427.00	434.75	SEE HO. CO. STD. DETAIL SE 4.00
I-89	A-10	TEMPERARY CL STA 1+84.12 RT	---	430.25	436.39	SEE HO. CO. STD. DETAIL SE 4.00
I-90	A-5	TEMPERARY CL STA 1+84.12 RT	---	427.30	431.45	SEE HO. CO. STD. DETAIL SE 4.00
I-91	D-INLET	N 95824.10 E 1930209.96	446.30	446.30	450.00	SEE HO. CO. STD. DET. 90 4.39
I-92	A-10	TEMPERARY CL STA 1+84.12 RT	---	422.40	426.74	SEE HO. CO. STD. DETAIL SE 4.00
I-93	A-5	BALTIMORE CL STA 7+25.12 RT	450.44	450.44	454.54	SEE HO. CO. STD. DETAIL SE 4.00
I-94	A-5	BALTIMORE CL STA 7+25.12 RT	---	451.00	454.54	SEE HO. CO. STD. DETAIL SE 4.00
M-16	SHALLOW	N 55870.10 E 133087.10	425.47	425.15	431.20	SEE HO. CO. STD. DETAIL G 5.12
M-17	SHALLOW	N 55870.10 E 133087.10	427.70	427.35	434.10	SEE HO. CO. STD. DETAIL G 5.12
M-18	SHALLOW	DUBLIN DR. STA 12+78.12 RT	434.70	434.20	439.30	SEE HO. CO. STD. DETAIL G 5.12
M-19	SHALLOW	DUBLIN DR. STA 12+78.12 RT	434.50	434.50	439.30	SEE HO. CO. STD. DETAIL G 5.12
M-20	SHALLOW	N 55870.10 E 133087.10	414.30	412.20	419.20	SEE HO. CO. STD. DETAIL G 5.12
M-21	SHALLOW	N 55870.10 E 133087.10	422.50	421.40	428.10	SEE HO. CO. STD. DETAIL G 5.12
M-22	SHALLOW	N 55870.10 E 133087.10	424.50	424.40	429.50	SEE HO. CO. STD. DETAIL G 5.12
M-23	STANDARD	N 55870.10 E 133087.10	411.50	---	---	SEE HO. CO. STD. DETAIL SE 5.52
M-22	SHALLOW	N 95824.10 E 1930209.96	431.75	431.50	435.00	SEE HO. CO. STD. DET. G 5.12
M-23	STANDARD	N 95824.10 E 1930209.96	445.64	442.69	448.77	SEE HO. CO. STD. DET. G 5.12

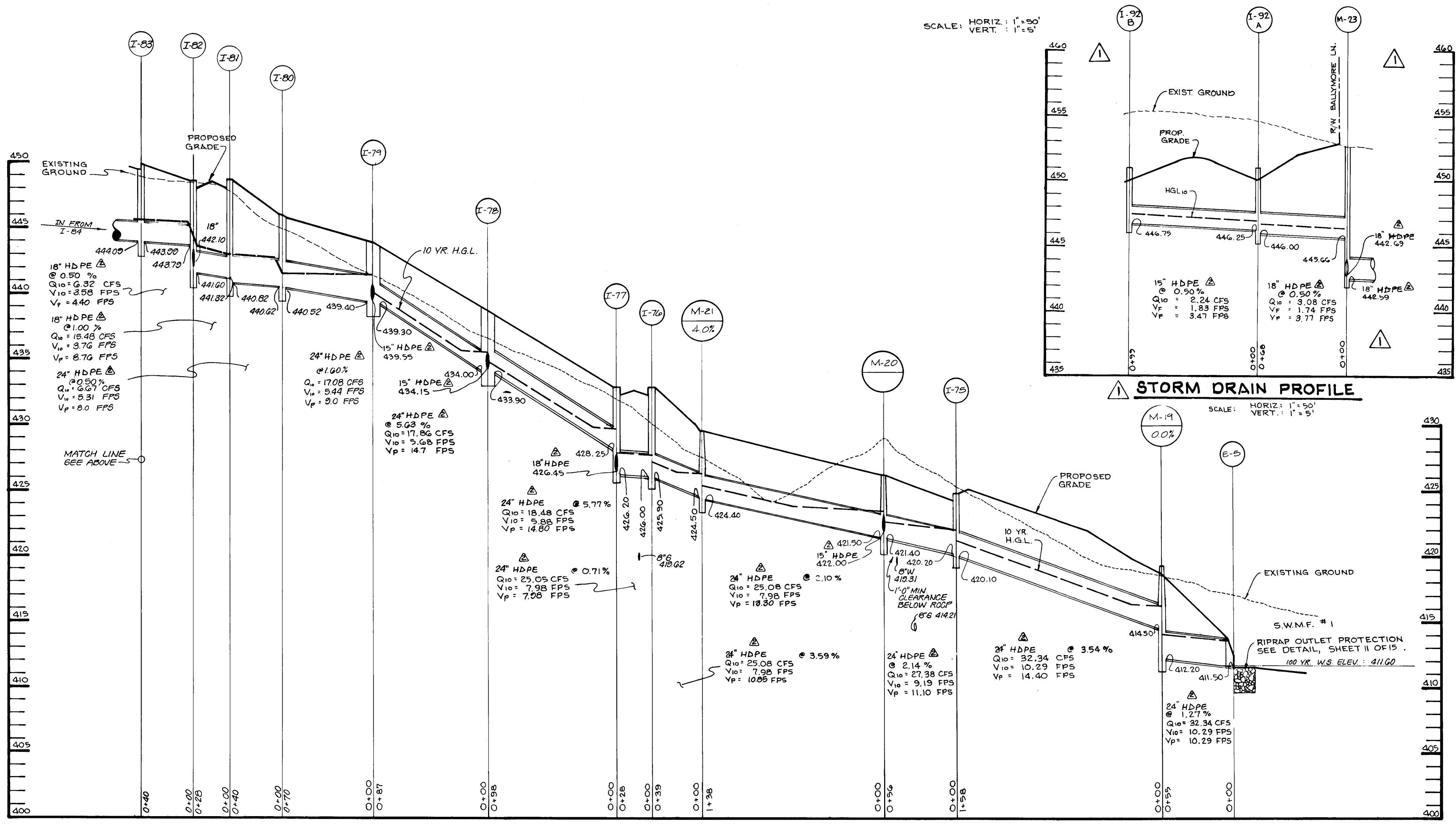


AS BUILT CERTIFICATE	
APPROVED:	DATE
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	6-3-96
<i>Andrew M. Daniels</i>	DATE
CHIEF, BUREAU OF HIGHWAYS	
APPROVED:	DATE
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	6/7/96
<i>Jim Summerville</i>	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	
<i>John W. Johnson</i>	DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION	6/5/96
8-13-99	REVISOR TYPE OF STORM DRAINAGE TO HDPE
4/2/98	CHANGED LOCATION OF I-94 - MODIFIED INV. ELS. & FLOW DATA. REVISED STRUCTURE SCHEDULE.
DATE	NO.
OWNER / DEVELOPER	REVISION
WILBEN LIMITED PARTNERSHIP C/O ANDREW L. ISAACSON 9215 OVERLEA DRIVE ROCKVILLE, MD 20850 301-650-7111	
PROJECT	CLARKS GLEN SECTION 2 AREA 1
AREA	TAX MAP 35 - PARCEL 205 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	STORMDRAIN PROFILES
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, Maryland 21045 410-997-8900 FAX: 410-997-9282	
5-16-96	DATE
<i>J. Sarell</i>	DESIGNED BY: A.A.P.
JAYKANT D. PAREKH # 19148	DRAWN BY: C.M.
	PROJECT NO: 93212
	DATE: MAY 16, 1996
	SCALE: AS SHOWN
	DRAWING NO. 2 OF 16

1739

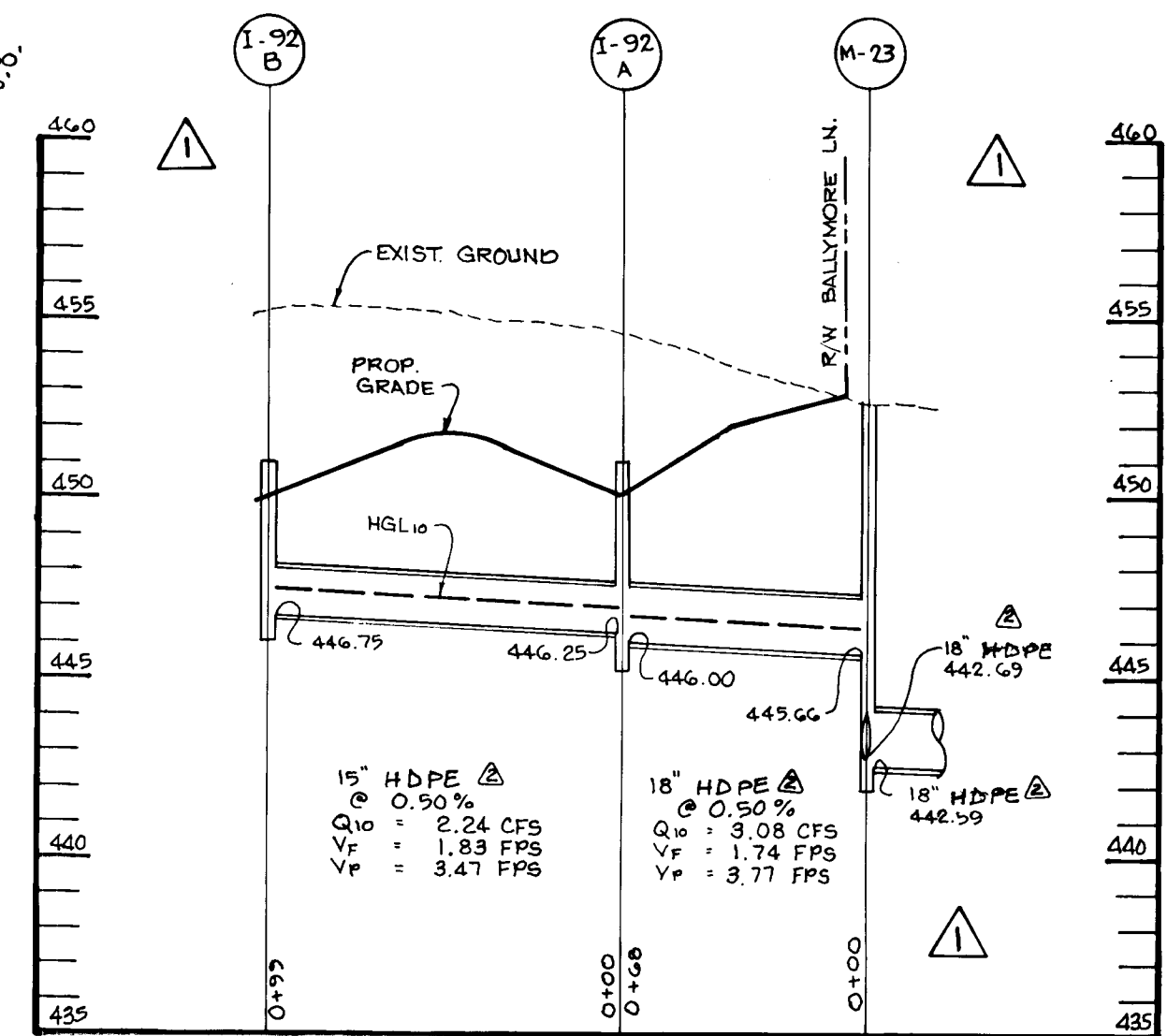


STORM DRAIN PROFILES



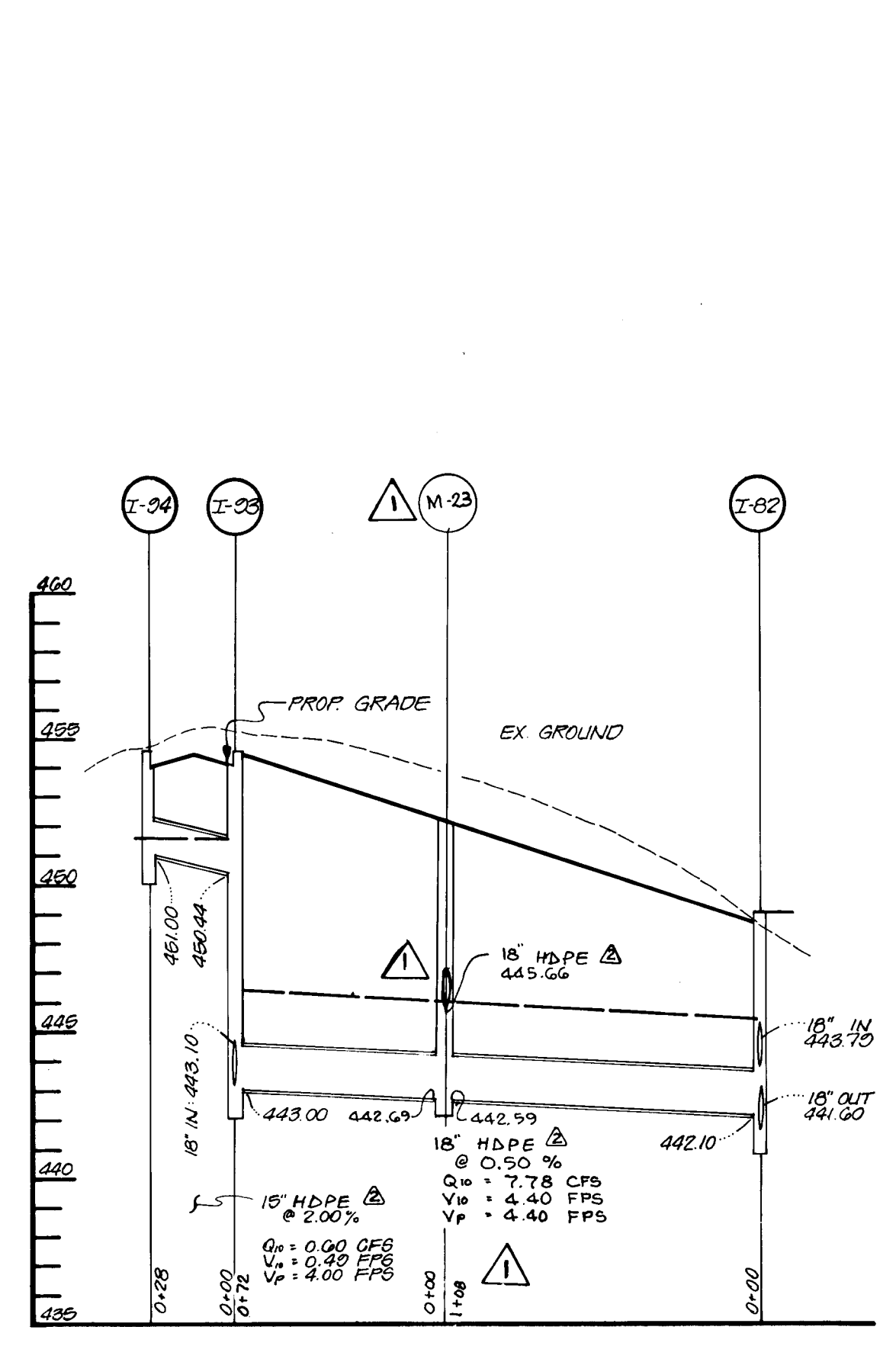
STORM DRAIN PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'



STORM DRAIN PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'



AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Andrew M. Casler / 6-3-96
 CHIEF BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY DEPARTMENT OF LAND DEVELOPMENT AND RESEARCH
Jim Summerville / 6/7/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

8/13/99 REVISD TYPE OF STORM DRAINAGE TO HDPE
 4/2/98 ADDED 2 PROFILES "I-91 TO M-22" & "I-92 TO M-23"
 REV EX. PROFILES TO SHOW INCLUSION OF "M-22" & "M-23"

OWNER / DEVELOPER
 WILBER LIMITED PARTNERSHIP
 c/o ANDREW L. ISAACSON
 9215 OVERLEA DRIVE
 ROCKVILLE, MARYLAND 20850
 301-661-7111

PROJECT
CLARKS GLEN SECTION 2 AREA 1

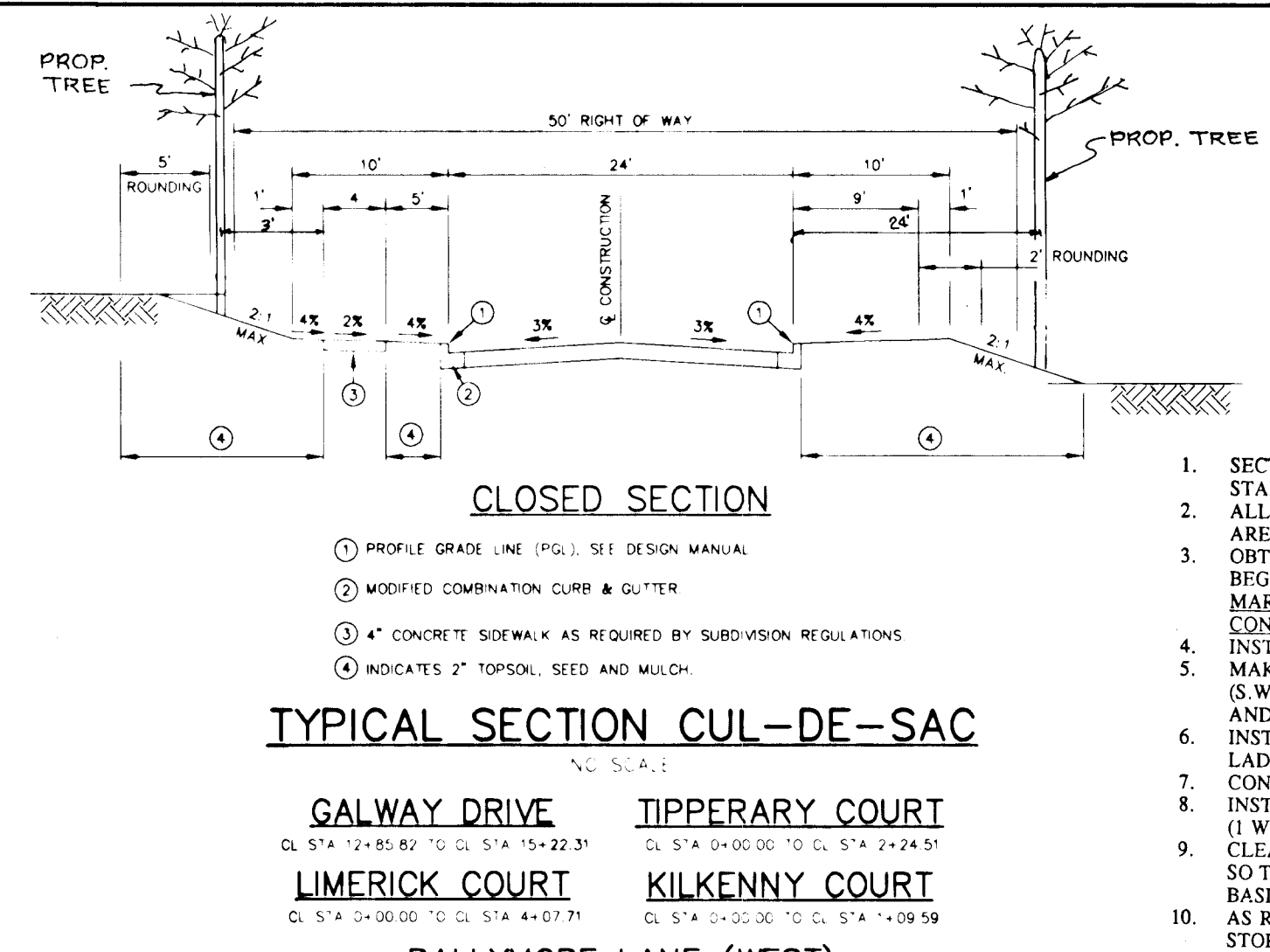
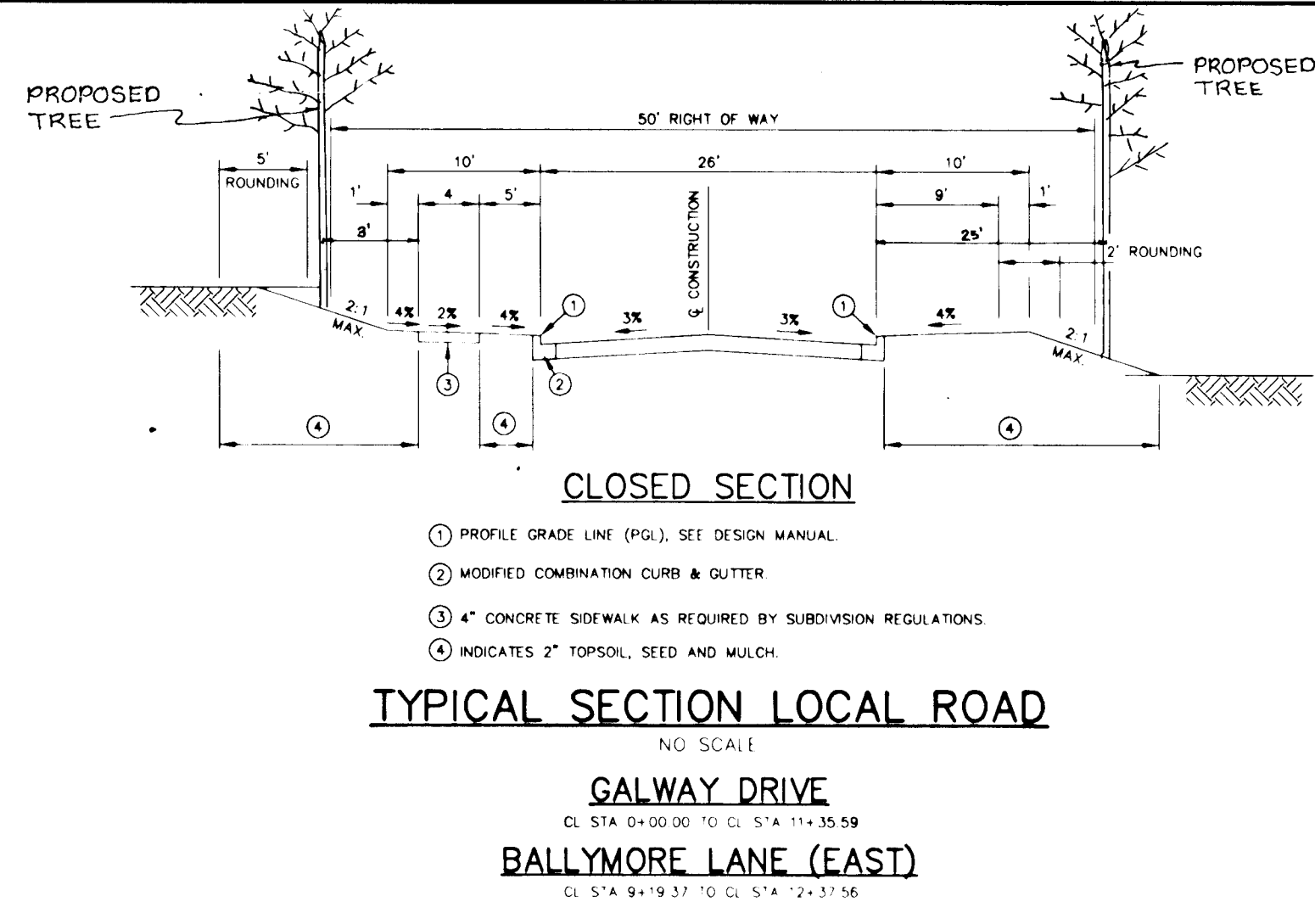
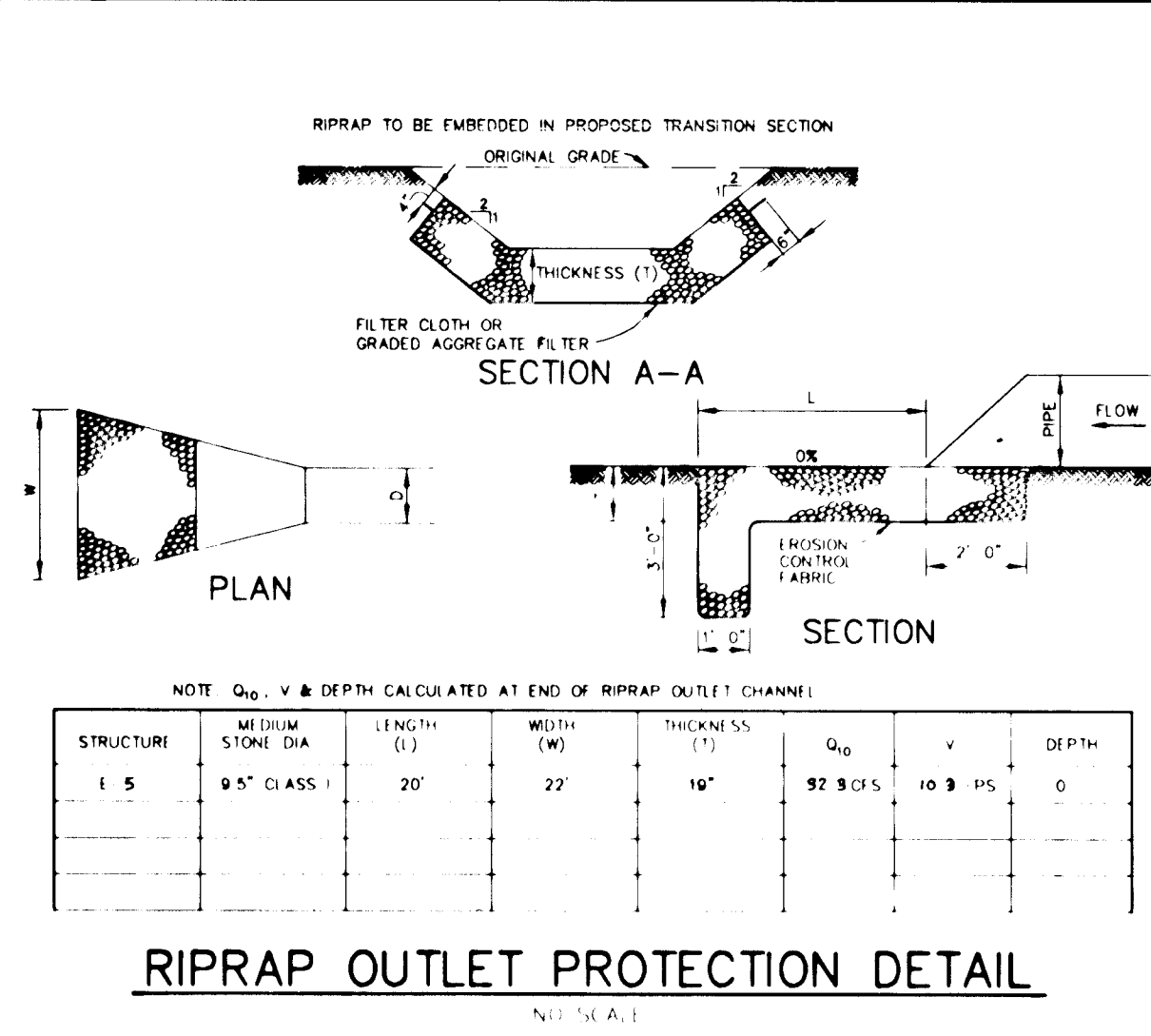
AREA TAX MAP NO. 30 PARCEL 250
 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
STORM DRAIN PROFILES

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
 410-997-8900 FAX: 410-997-9282

DATE: 5.16.96
 DESIGNED BY: A.A.P.
 DRAWN BY: R.J.C.
 PROJECT NO: 93212
 DATE: MAY 16, 1996
 SCALE: AS SHOWN
 DRAWING NO. 10 OF 16

1739



CLARKS GLEN SECTION 2 AREA 1 SEQUENCE OF CONSTRUCTION

- SECTION 1, AREA 1, AND SECTION 1, AREA 2 ARE TO BE COMPLETED AND STABILIZED BEFORE CONSTRUCTION BEGINS.
- ALL EXISTING SEDIMENT CONTROL MEASURES (TRAPS, BASINS, EARTHDIKES, ETC.) ARE TO BE REFRESHED TO ORIGINAL DESIGN SPECIFICATIONS.
- OBTAIN A GRADING PERMIT AND OTHER NECESSARY PERMITS PRIOR TO BEGINNING OF CONSTRUCTION. ALL WORK SHALL CONFORM TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE (1 DAY).
- MAKE ALL MODIFICATIONS TO STRUCTURE S-1 (S.W.M.F. #1) AND STRUCTURE S-2 (S.W.M.F. #2) AS SPECIFIED ON SHEET 11 OF 15 TO PROVIDE SEDIMENT CONTROL AND TEMPORARY STORMWATER MANAGEMENT FOR SECTION 2, AREA 1, (1 WEEK).
- INSTALL STORM DRAIN SYSTEM (1-3) TO EXISTING MH-13 TO CARRY SEDIMENT LADEN WATER TO SWM #2 (SEDIMENT BASIN #2). (2 WEEKS)
- CONSTRUCT STONE OUTLET SEDIMENT TRAP #1. (2 WEEKS)
- INSTALL PERIMETER CONTROLS, TREE PROTECTIVE FENCING AND EARTH DIKES. (1 WEEK).
- CLEAR AND GRUB SITE AND BEGIN ROUGH GRADING. CONTRACTOR TO GRADE SO TO MAINTAIN THE LARGEST AREA AS POSSIBLE DRAINING TO THE SEDIMENT BASIN (8 WEEKS)
- AS ROAD SUBGRADES ARE ESTABLISHED, INSTALL SEWER, WATER, REMAINING STORM DRAINS AND OTHER UTILITIES. ALL STORM DRAINS WILL CARRY SEDIMENT LADEN WATER TO ONE OF THE TWO SEDIMENT BASINS, THUS NO INLET PROTECTION IS TO BE USED (8 WEEKS)
- INSTALL CURB AND GUTTER AND PAVE ROADWAYS. (8 WEEKS)
- COMPLETE ROUGH GRADING (2 WEEKS)
- STABILIZE DISTURBED AREAS AS REQUIRED. (1 WEEK)
- UPON APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, PLACE SILT FENCE BUILT S.O.S.T. #1 AND REMOVE IT. COMPLETE GRADING AND STABILIZE SITE WITH PERMANENT SEEDING (2 WEEKS)
- THOROUGHLY CLEAN AND FLUSH STORM DRAIN SYSTEM. (1 WEEK)
- UPON APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROLS. COMPLETE FINAL CONSTRUCTION OF STRUCTURE S-1. STRUCTURE S-2 WILL BE USED FOR SEDIMENT CONTROL FOR SECTION 2, AREA 2. THIS LEAVE TEMPORARY SETUP INTACT. (3 WEEKS)
- FINE GRADE REMAINING AREAS AND STABILIZE WITH PERMANENT SEEDING (2 WEEKS)
- INSTALL STREET LIGHTS, LANDSCAPING AND SIGNS (4 WEEKS)

BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

M. J. ... 5/14/96
 DEVELOPER DATE

BY THE ENGINEER:
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

J. ... 5.16.96
 ENGINEER DATE

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

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Andrew M. ... 6-3-96
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Jina ... 6/7/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

Chad ... 6/5/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

8-13-99 REVISED TYPE OF STORM DRAINAGE TO HDPE

DATE	NO.	REVISION

OWNER / DEVELOPER: WILBEN LIMITED PARTNERSHIP
 C/O ANDREW L. ISAACSON
 5450 WHITELY PARK
 TERRACE # 410
 BETHESDA, MD 20814
 301-530-1123

PROJECT: CLARKS GLEN SECTION 2 AREA 1

AREA: TAX MAP NO. 35 PARCEL 205
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: SEDIMENT CONTROL NOTES AND DETAILS

RIEMER MUEGG & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
 410-997-8800 FAX: 410-997-8282

5-16-96 DATE

DESIGNED BY: JTD
 DRAWN BY: JTD

PROJECT NO: 93212
 DATE: MAY 16, 1996
 SCALE: AS SHOWN
 DRAWING NO. 11 OF 16

J. ...
 JAYKANT D. PAREKH #19148

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas that are to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 800 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq. ft.).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 tons per acre of seed (13.2 lbs. per 1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of seeding mixtures (1.0 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.

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 (0.9 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-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, disking 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. per 1000 sq. ft.) and 800 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq. ft.) before seeding. For the period May 1 thru August 14, seed with 3 lbs. per acre of seeding mixtures (1.0 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.
- 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. For the period May 1 thru August 14, seed with 3 lbs. per acre of seeding mixtures (1.0 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.

Seeding: For the period March 1 thru April 30 and from August 15 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 seeding mixtures. During the period October 16 thru February 28, protect site by one of the following options:

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

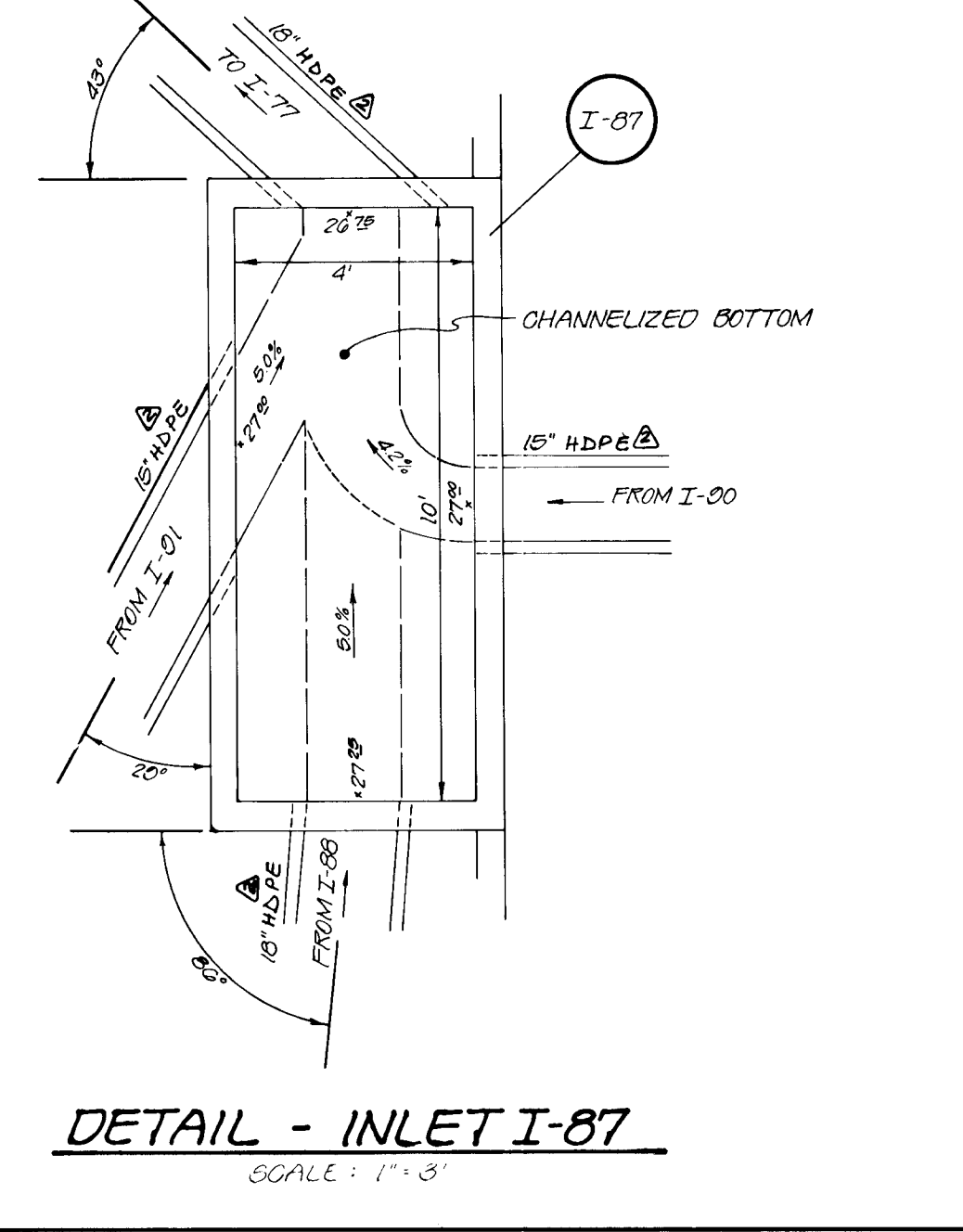
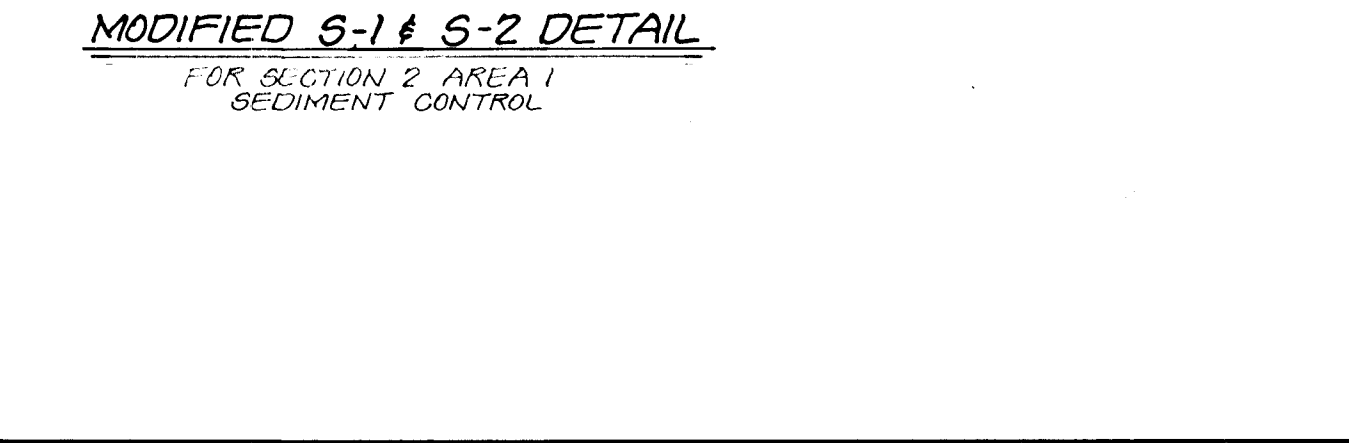
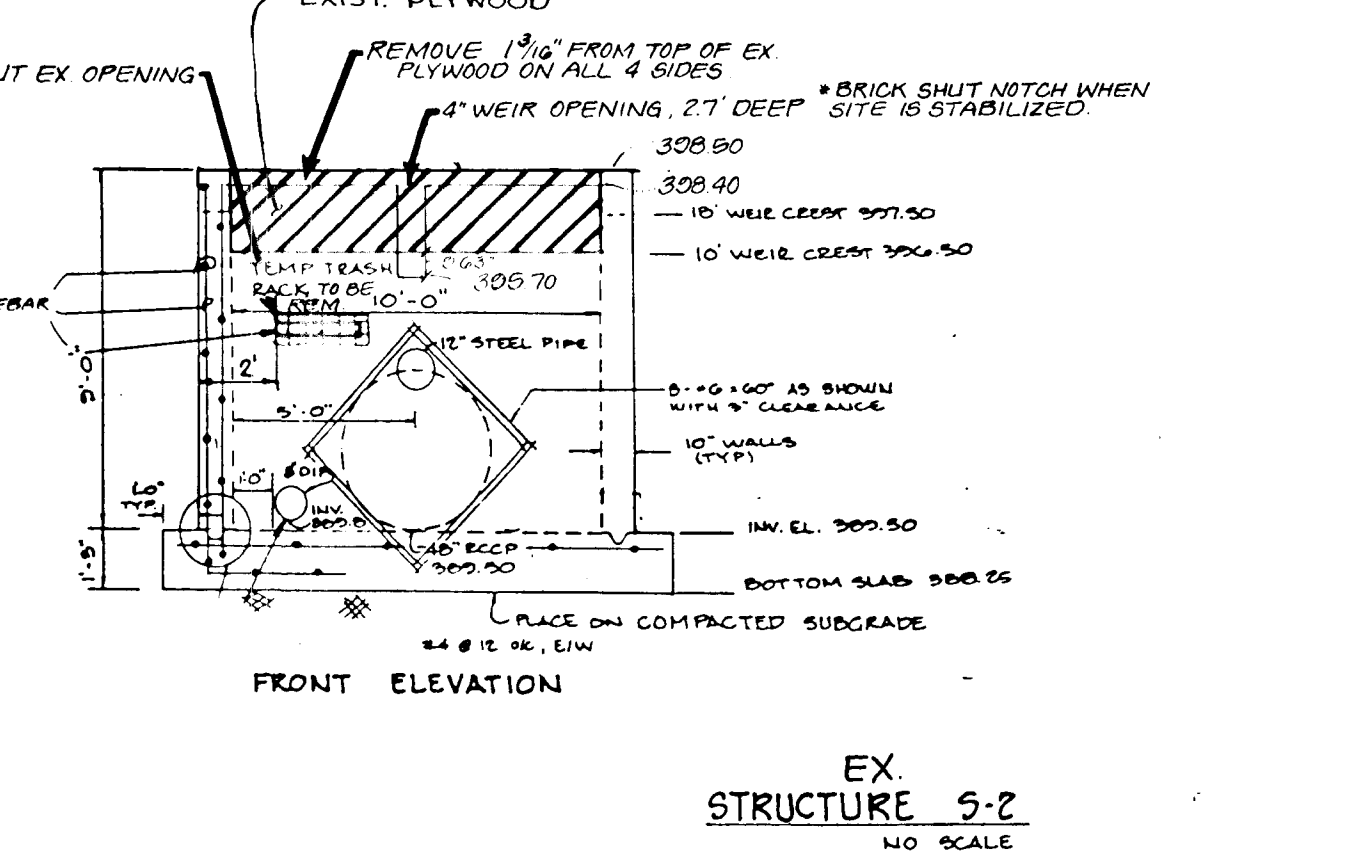
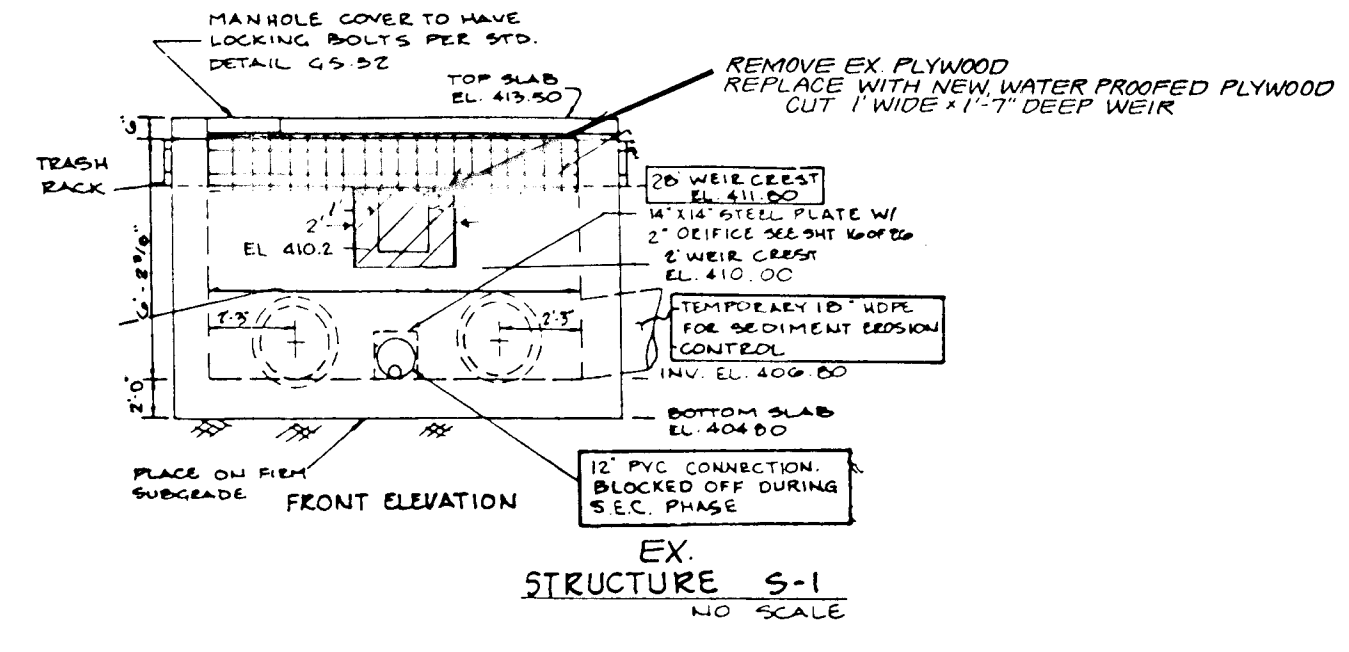
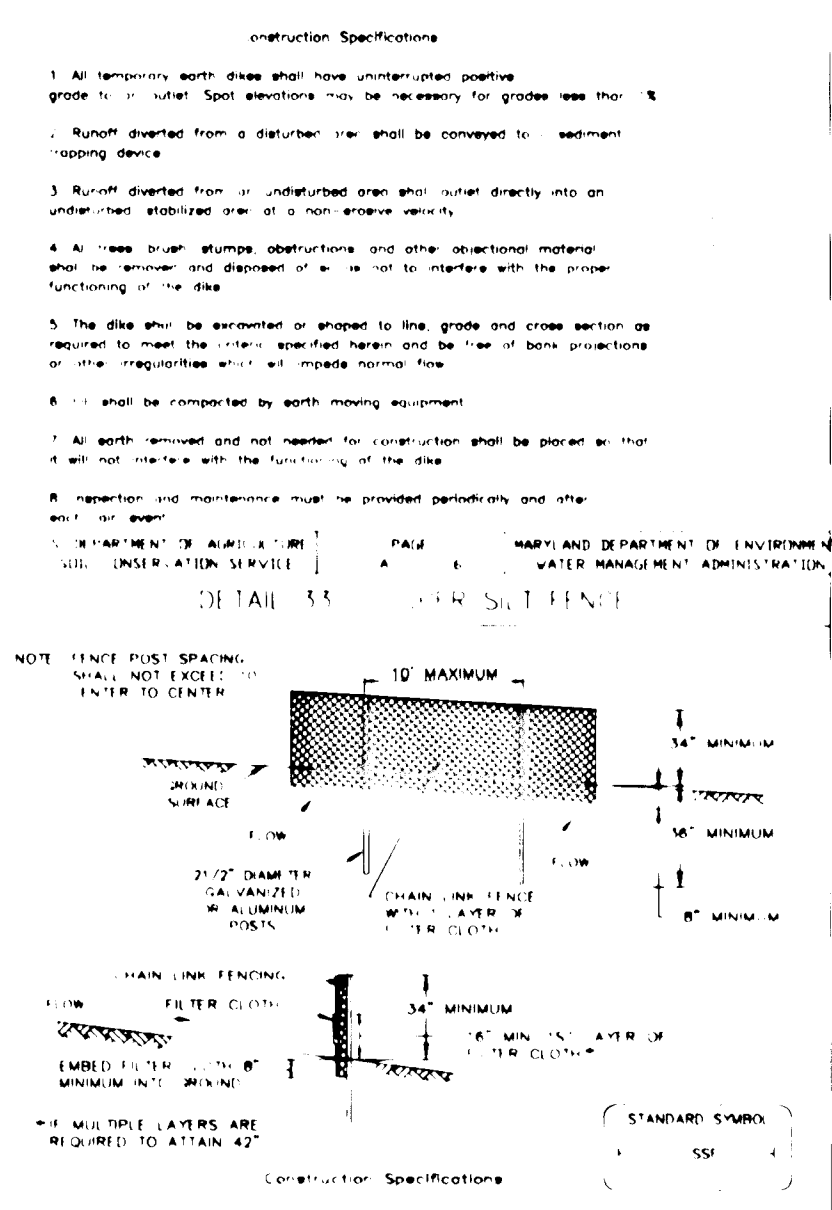
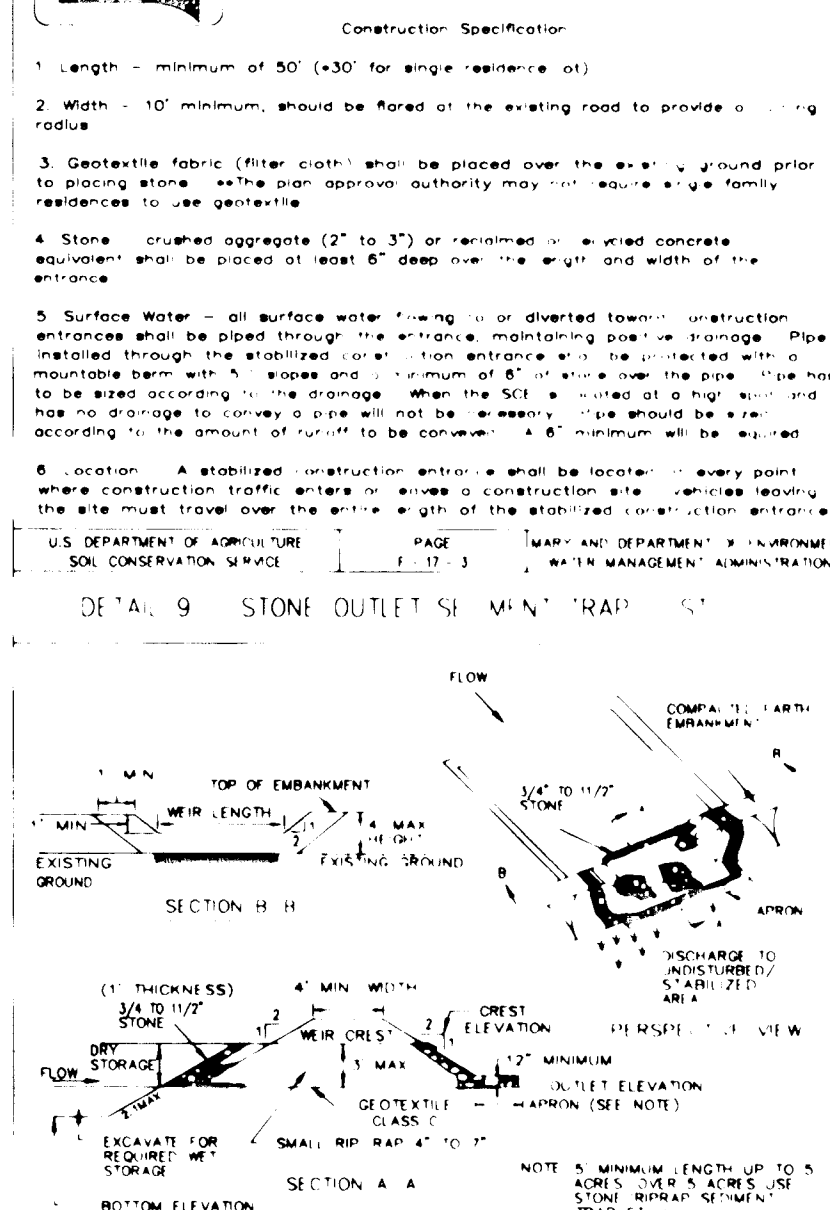
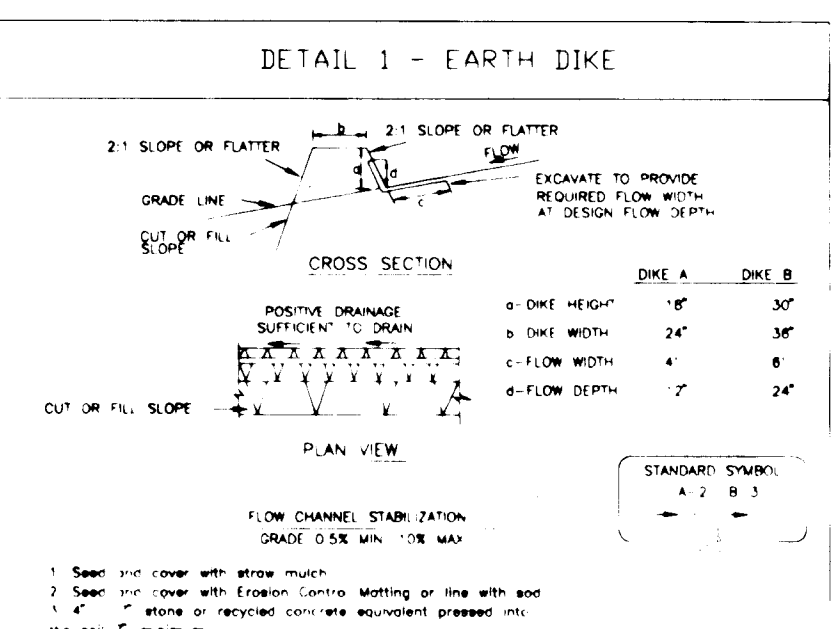
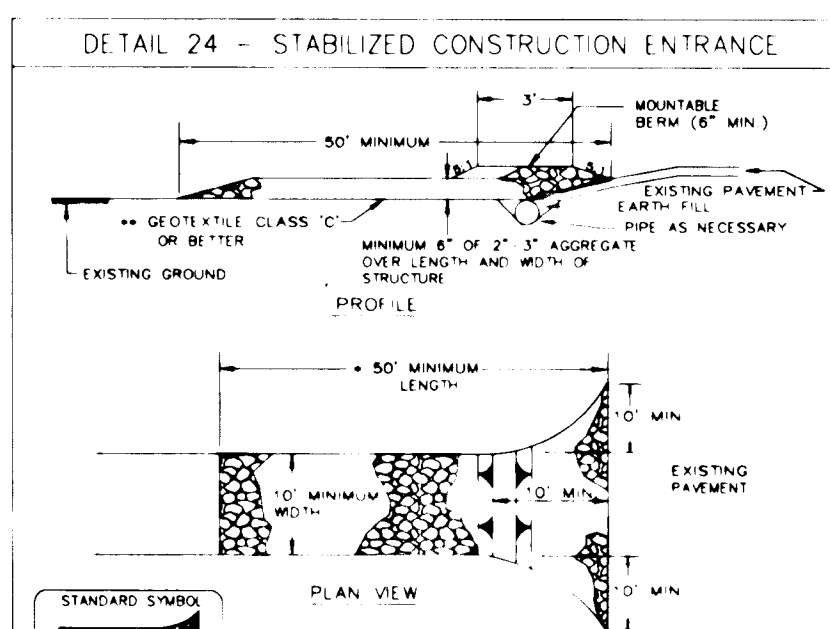
Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (0.9 gal per 1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 347 gal per acre (8 gal per 1000 sq. ft.) for anchoring.

Maintenance: Impact all seeded areas and make needed repairs, reseedings and reseeding.

SEDIMENT CONTROL NOTES

- 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).
- 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 THEREOF.
- TEMPORARY INITIAL SOIL DISTURBANCE OR REDISTRIBUTION, PERMANENT OR FOLLOWING STABILIZATION SHALL BE COMPLETED WITHIN 317 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, EARTH DIKES, CURBS AND ALL SLOPES AND ALL SLOPES GREATER THAN 3:1 (B) 14 DAYS AS TO OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 13, 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 AND EROSION CONTROL FOR PERMANENT SEEDINGS (SEC. 50) AND 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.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	18797 ACRES
AREA DISTURBED	79 ACRES
AREA TO BE REGRADED OR PAVED	27 ACRES
AREA TO BE VEGETATIVELY STABILIZED	50,000 CU YDS
TOTAL CUT	66,472 CU YDS
TOTAL FILL	
- 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 SEDIMENT CONTROL INSPECTOR.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERMITS SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN "TYPICAL" STRUCTURAL FILL OR EMBANKMENT MATERIAL FROM SOFT MATERIALS. THE CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY AFFECT THE WORK.
- 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 BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PNE LENGTHS OR THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



1739

FUTURE MARYLAND ROUTE 32

AFFORESTATION AREA 'D'
155,114 S.F.
3.57 AC.
21 2.5' LANDSCAPE TREES AS SHOWN
(SEE FINAL LANDSCAPE PLAN)

AFFORESTATION AREA 'I'
PREVIOUSLY INCLUDED IN SECTION 1
FOREST CONSERVATION CALCULATIONS
257,944.80 S.F.
5.83 AC.

FOREST CONSERVATION AREA 'A'
214,811.8 S.F.
4.91 AC.

FOREST CONSERVATION AREA 'B'
15580 S.F.
0.36 AC.

AFFORESTATION AREA 'C'
268,855.26 S.F.
6.11 AC.

AFFORESTATION AREA 'B'
214,830.84 S.F.
4.92 AC.

AFFORESTATION AREA 'A'
211,309.14 S.F.
4.84 AC.

SECTION 1
AREA 2
THIS AREA WAS ORIGINALLY INCLUDED IN SECTION 2 FOR THE PRELIMINARY PLAN SUBMISSION. IT IS NOW BEING INCLUDED IN SECTION 1, AREA 2 FOR THE FINAL PLAN SUBMISSION. FOR FOREST CONSERVATION PURPOSES THE GROSS SITE AREA FOR SECTION 2 INCLUDES THIS AREA FOR FOREST CONSERVATION CALCULATIONS TO REMAIN CONSISTENT WITH THE APPROVED FOREST CONSERVATION MASTER PLAN.

HOWARD RESEARCH & DEVELOPMENT
410/348
ZONED: NT

HOWARD RESEARCH & DEVELOPMENT
406/114
ZONED: NT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Richard M. ...
CHIEF, BUREAU OF HIGHWAYS HS 6-3-96 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Gina ...
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH 6/7/96 DATE

John ...
CHIEF, DEVELOPMENT ENGINEERING DIVISION 6/5/96 DATE

DATE NO. REVISION

OWNER / DEVELOPER
WILBEN LIMITED PARTNERSHIP
C/O ANDREW L. ISAACSON
5450 WHITELY PARK
TERRACE # 410
BETHESDA, MD 20814
301-530-1123

PROJECT
CLARKS GLEN
SECTION 2 AREA 1

AREA
TAX MAP NO. 35 PARCEL 205
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
FOREST CONSERVATION & AFFORESTATION PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
410-997-8900 FAX: 410-997-9282

5-5-96 DATE

DESIGNED BY: R.R.
DRAWN BY: R.R.
PROJECT NO: 43210
DATE: MAY 16, 1996
SCALE: 1" = 50'
DRAWING NO. 12 OF 18

...
LOUCLAS R. ...
COMAR 08.19.06.01

MATCH LINE

SEE SHEET 13

* 1 - 10/12/96 * Thu Oct 12 11:37:51 1995

bsi



HOWARD COUNTY FOREST CONSERVATION WORKSHEET

I. BASIC SITE DATA

GROSS SITE AREA
 AREA WITHIN 100 YEAR FLOODPLAIN
 AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL (IF APPLICABLE)
 NET TRACT AREA
 LAND USE CATEGORY (R-RD, R-RMD, R-S, C/A/O, I)

SECTION 2 AREA 1	SECTION 2 AREA 2	SECTION 2 TOTAL
18.80 AC	24.10 AC	42.90 AC
0.00 AC	0.00 AC	0.00 AC
0.00 AC	0.00 AC	0.00 AC
18.80 AC	24.10 AC	42.90 AC
R-12	R-12	R-12

II. INFORMATION FOR CALCULATIONS

NET TRACT AREA
 AFFORESTATION THRESHOLD (15% X A)
 EXISTING FOREST ON NET TRACT AREA
 FOREST AREAS TO BE CLEARED
 FOREST AREAS TO BE RETAINED

18.80 AC	24.10 AC	42.90 AC
2.82 AC	3.61 AC	6.40 AC
0.00 AC	2.00 AC	2.00 AC
0.00 AC	0.25 AC	0.25 AC
0.00 AC	1.75 AC	1.75 AC

III. DETERMINING REQUIREMENTS: AFFORESTATION OR REFORESTATION

1. REFORESTATION
 IF EXISTING FOREST AREAS EQUAL OR EXCEED THE AFFORESTATION MINIMUM (IF D EQUALS OR IS MORE THAN C), AND CLEARING OF FOREST AREAS IS PROPOSED, REFORESTATION REQUIREMENTS MAY APPLY.
 GO TO SECTION IV

IF EXISTING FORESTS EXCEED THE AFFORESTATION MINIMUM (IF D EQUALS OR IS MORE THAN C) AND NO CLEARING OF EXISTING FOREST RESOURCES IS PROPOSED, NO REFORESTATION IS REQUIRED. NO FURTHER CALCULATIONS ARE NEEDED.

2. AFFORESTATION

IF EXISTING FOREST AREAS ARE LESS THAN THE AFFORESTATION MINIMUM (IF D IS LESS THAN C), AFFORESTATION REQUIREMENTS APPLY.

GO TO SECTION V

V. AFFORESTATION CALCULATIONS

A. NET TRACT AREA
 B. AFFORESTATION MINIMUM (15% X A)
 C. EXISTING FOREST ON NET TRACT AREA
 D. FOREST AREAS TO BE CLEARED
 E. FOREST AREAS TO BE RETAINED

18.80 AC	24.10 AC	42.90 AC
2.82 AC	3.61 AC	6.40 AC
0.00 AC	2.00 AC	2.00 AC
0.00 AC	0.25 AC	0.25 AC
0.00 AC	1.75 AC	1.75 AC

SELECT THE ALTERNATIVE THAT APPLIES:

1. NO CLEARING BELOW THE MINIMUM

IF EXISTING FORESTS ARE LESS THAN THE AFFORESTATION MINIMUM (IF D IS LESS THAN C) AND NO CLEARING IS PROPOSED, THE FOLLOWING CALCULATIONS APPLY:

TOTAL AFFORESTATION REQUIRED
 C - D

0.00 AC	0.00 AC	0.00 AC
---------	---------	---------

AFFORESTATION MUST MAKE TOTAL FOREST AREA EQUAL THE MINIMUM REQUIRED.

2. CLEARING BELOW THE MINIMUM

IF EXISTING FORESTS ARE LESS THAN THE AFFORESTATION MINIMUM (IF D IS LESS THAN C) AND CLEARING IS PROPOSED, THE FOLLOWING CALCULATIONS APPLY:

AFFORESTATION FOR UNFORESTED AREAS BELOW MINIMUM
 C - D

2.82 AC	1.61 AC	4.40 AC
---------	---------	---------

AFFORESTATION FOR CLEARING BELOW MINIMUM
 E X 2

0.00 AC	0.50 AC	0.50 AC
---------	---------	---------

TOTAL AFFORESTATION REQUIRED
 (C - D) + (E X 2)

2.82 AC	2.11 AC	4.90 AC
---------	---------	---------

4.93 AC. ROUNDED TO 4.90 AC.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Charles M. Sauer 6-3-96
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Vina Drummond 6-3-96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

Mark J. ... 6-5-96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

DATE NO. REVISION

OWNER / DEVELOPER
 WILBEN LIMITED PARTNERSHIP
 C/O ANDREW L. ISAACSON
 5450 WHITELY PARK
 TERRACE #410
 BETHESDA, MD 20814
 301-530-1123

PROJECT
 CLARKS GLEN SECTION 2, AREA 2

AREA
 TAX MAP 35 PARCEL 205
 5th ELECTION DISTRICT
 HOWARD COUNTY, MD.

TITLE
 FOREST CONSERVATION & AFFORESTATION PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
 8818 Centre Park Drive • Suite 200 • Columbia, Maryland 210
 410-997-8900 FAX: 410-997-9282

5-15-96
 DATE

DESIGNED BY: R.R.

DRAWN BY: R.R.

PROJECT NO: 49210

DATE: MAY 16, 1996

SCALE: 1" = 50'

DRAWING NO. 13 OF 15

Polignac R. Kopeck
 POLIGNAC R. KOPECK
 COMAR 08.19.06.01

FOREST CONSERVATION PROGRAM

PLANT SCHEDULE

TREE PROTECTION
FOREST RETENTION &
AFFORESTATION SIGN DETAIL

LEGEND

SITE PREPARATION

SEQUENCE OF CONSTRUCTION

1. INSTALL PROTECTIVE TREE FENCING AND SIGNAGE ALONG FOREST RETENTION AREAS BEFORE ANY GRADING HAS COMMENCED ON SITE (FOREST RETENTION SIGNAGE PROVIDED ON SECTION 1 FOREST CONSERVATION PLAN)
2. MOW OR BUSH HOG THE SITE WITHIN THE LIMITS OF THE PROPOSED AFFORESTATION AREA. DO NOT REMOVE OR DAMAGE ANY EXISTING TREES OR SAPLINGS UNLESS OTHERWISE INDICATED.
- *THERE SHALL BE NO STAGING, STORAGE, OR STOCKPIILING OF MATERIALS WITHIN THE NONTIDAL WETLANDS OR 25' NONTIDAL WETLANDS BUFFER.
3. REMOVE OR TREAT WITH AN ACCEPTABLE METHOD NOXIOUS PLANT MATERIAL SUCH AS MULTIFLORA ROSE AND THEARTHUB BEFORE INSTALLING AFFORESTATION PLANTS.
4. INSTALL TREE PROTECTION SIGNAGE AND IMPLEMENT TREE PROTECTION METHODS AS SHOWN.
5. INSTALL AFFORESTATION PLANT MATERIAL AS PER THE PLANTING PLAN & DETAIL. RANDOMLY SPACE TREES SO THAT NO MORE THAN 5 (5) CALIPER OR 1 (1) TREE (WHIP) OF ANY PARTICULAR SPECIES ARE PLANTED IN SUCCESSION.
6. STABILIZE ANY DISTURBED AREAS USING THE SPECIFIED STABILIZATION MIXTURE WHICH ALLOWS FOR NATURAL REVEGETATION OF FOREST COMMUNITIES.
7. MAINTAIN AFFORESTATION IN ACCORDANCE WITH THE POST-CONSTRUCTION REQUIREMENTS.

POST CONSTRUCTION MANAGEMENT PRACTICE:

OBJECTIVE:

IT IS THE OBJECTIVE OF THE CLARKS GLEN FOREST CONSERVATION EASEMENT AREAS TO RETAIN ENVIRONMENTAL INTEGRITY BY PRESERVING AND INCREASING FORESTED AREAS. TWO (2) AREAS OF PARTICULAR CONCERN ARE: SPECIFIC FOREST STANDS ARE DESIGNATED FOR PRESERVATION AND AFFORESTATION TO PROTECT WILDLIFE CORRIDORS BY PROVIDING CONTIGUOUS TRACTS OF FOREST, AND AFFORESTATION ALONG EXISTING FORESTED AREAS TO INCREASE FOREST CORRIDORS.

MANAGEMENT PRACTICE SCHEDULE:

IT IS THE INTENT OF THE FOREST CONSERVATION PROGRAM FOR THE RETIRED PRIORITY TO PROTECT AREAS STATED IN THE OBJECTIVE.

THE FOLLOWING MANAGEMENT PRACTICES ARE RECOMMENDED:

- 1) TRAIL SYSTEMS THROUGH FORESTED AREAS ARE ACCEPTABLE IN THE FOREST CONSERVATION EASEMENT. HOWEVER, IF A TRAIL SYSTEM IS IMPLEMENTED, IT SHOULD DISTURB AS LITTLE VEGETATION AS POSSIBLE. A TRAIL SYSTEM THROUGH A AFFORESTATION AREA IS NOT ACCEPTABLE UNTIL THE FOREST BECOMES ESTABLISHED AS DETERMINED BY A REGISTERED FOREST LANDSCAPE ARCHITECT OR OTHER STATE QUALIFIED PROFESSIONAL.
- 2) TREE CUTTINGS IS ALLOWED FOR SAFETY AND ROUTINE MAINTENANCE OF EXISTING FORESTED AREAS.
- 3) SENSITIVE AREAS SUCH AS STEEP SLOPES, WETLANDS, STREAMS AND THEIR ASSOCIATED BUFFERS AND WILDLIFE CORRIDORS ARE CONSIDERED INACCESSIBLE FOR SELECTIVE THINNING AND SHOULD BE LEFT TO CONTINUE UNDER NATURAL FOREST SUCCESSION.
- 4) THE FOREST CONSERVATION AREAS SHOULD BE REASSESSED BY A REGISTERED FORESTER, LANDSCAPE ARCHITECT OR OTHER STATE QUALIFIED PROFESSIONAL TO DETERMINE ITS CONDITION AND MAKE RECOMMENDATIONS FOR CONTINUAL STRUCTURAL FOREST GROWTH.

A TWO (2) YEAR POST-CONSTRUCTION AND MANAGEMENT PROGRAM TO ENSURE PROBABILITY OF A HIGH SURVIVAL RATE INCLUDES THE FOLLOWING:

- MAINTENANCE OF SIGNS, FENCES AND TREE PROTECTION DEVICES TO PREVENT UNWARRANTED INTRUSIONS AND DAMAGE.
- CAREFUL REMOVAL OF ALL TEMPORARY STRUCTURES AFTER CONSTRUCTION.
- ROUTINE INSPECTIONS OF FOREST CONSERVATION EASEMENTS.
- PROVIDE SUITABLE THINNING, WATERING AND FERTILIZING TO ENSURE PROPER GROWTH AND SURVIVAL.
- REMOVAL AND REPLACEMENT OF DEAD OR DAMAGED REAFFORESTATION MATERIAL.
- CERTIFICATION THAT THE REQUIRED SURVIVAL RATES HAVE BEEN MET.

*GENERAL NOTES:

1. RANDOMLY SPACE TREES SO THAT NO MORE THAN 5 (5) CALIPER OR 1 (1) TREE (WHIP) OF ANY PARTICULAR SPECIES ARE PLANTED IN SUCCESSION.
2. THERE WILL BE NO STAGING OR STORAGE OF EQUIPMENT WITHIN THE LIMIT OF THE NONTIDAL WETLANDS OR THE 25' BUFFER.
3. ALL STABILIZATION IN THE AFFORESTATION AREAS SHALL BE THE FOLLOWING SPECIES: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARNYARD GRASS (HORDEUM SP.), OATS (Avena SP.) AND/OR RYE (SECALE CERVALE). THESE SPECIES ALLOW FOR THE VOLUNTARY REVEGETATION OF THE REAFFORESTATION SPECIES. OTHER NON-PERSISTENT VEGETATION MAY BE ACCEPTABLE BUT MUST BE APPROVED BY THE ENVIRONMENTAL PLANNER. KENTUCKY BLUEGRASS SHALL NOT BE UTILIZED IN THE REAFFORESTATION AREAS. THE AREA MUST BE SEEDED AND MULCHED TO REDUCE EROSION AFTER CONSTRUCTION.

GUARANTEE & REPLACEMENT WARRANTY

A TWO (2) YEAR REPLACEMENT WARRANTY IS REQUIRED AS FOLLOWS:
END OF FIRST GROWING SEASON, 40% SURVIVAL REQUIRED.
END OF SECOND GROWING SEASON, 75% SURVIVAL REQUIRED.

AFFORESTATION AREA 'A'

ZONE 1: 1" CALIPER TREES

QTY.	BOTANICAL/COMMON NAME	REMARKS
6	AMELANCHIER LAEVIS Serviceberry	Cont.
6	CARPINUS CAROLINIANA Ironwood	Cont.
15	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
11	PRUNUS SEROTINA Black Cherry	Cont.

ZONE 2: SEEDLINGS

QTY.	BOTANICAL/COMMON NAME	REMARKS
10	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
6	PRUNUS SEROTINA Black Cherry	Cont.

AFFORESTATION AREA 'B'

ZONE 1: 1" CALIPER TREES

QTY.	BOTANICAL/COMMON NAME	REMARKS
5	AMELANCHIER LAEVIS Serviceberry	Cont.
6	CARPINUS CAROLINIANA Ironwood	Cont.
15	FRAXINUS PENNSYLVANICA Green Ash	Cont.
10	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
6	PRUNUS SEROTINA Black Cherry	Cont.

ZONE 2: SEEDLINGS

QTY.	BOTANICAL/COMMON NAME	REMARKS
6	AMELANCHIER LAEVIS Serviceberry	Cont.
10	FRAXINUS PENNSYLVANICA Green Ash	Cont.
6	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
15	PRUNUS SEROTINA Black Cherry	Cont.

*NOTE:

- * 1" 25' CALIPER LANDSCAPE TREE = 25' 1" CALIPER AFFORESTATION TREES & 55 AFFORESTATION SEEDLINGS
- * LANDSCAPE PLANT LOCATIONS TAKE PRECEDENCE OVER AFFORESTATION PLANT MATERIAL. AFFORESTATION PLANT MATERIAL SHOULD BE USED TO INFILL AREAS AROUND THE LANDSCAPE PLANT MATERIAL.

AFFORESTATION AREA 'C'

ZONE 1: 1" CALIPER TREES

QTY.	BOTANICAL/COMMON NAME	REMARKS
30	AMELANCHIER LAEVIS Serviceberry	Cont.
20	CELTIS OCCIDENTALIS Hackberry	Cont.
28	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.

ZONE 2: SEEDLINGS

QTY.	BOTANICAL/COMMON NAME	REMARKS
100	CELTIS OCCIDENTALIS Hackberry	Cont.
124	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
110	PINUS TAEDA Loblolly Pine	Cont.
90	PRUNUS SEROTINA Black Cherry	Cont.

AFFORESTATION AREA 'D'

21: 25' CALIPER LANDSCAPE TREES (SEE LANDSCAPE PLAN)*

ZONE 1: 1" CALIPER TREES

QTY.	BOTANICAL/COMMON NAME	REMARKS
20	AMELANCHIER LAEVIS Serviceberry	Cont.
15	CARPINUS CAROLINIANA Ironwood	Cont.
25	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
10	PICEA ABIES Norway Spruce	Cont.
16	PINUS STROBUS White Pine	Cont.

ZONE 2: SEEDLINGS

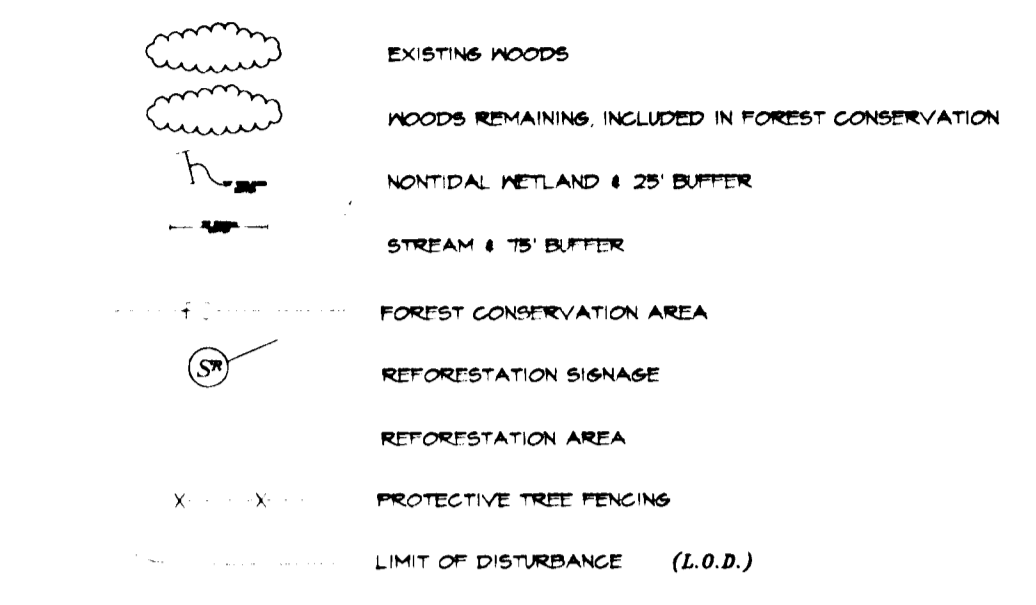
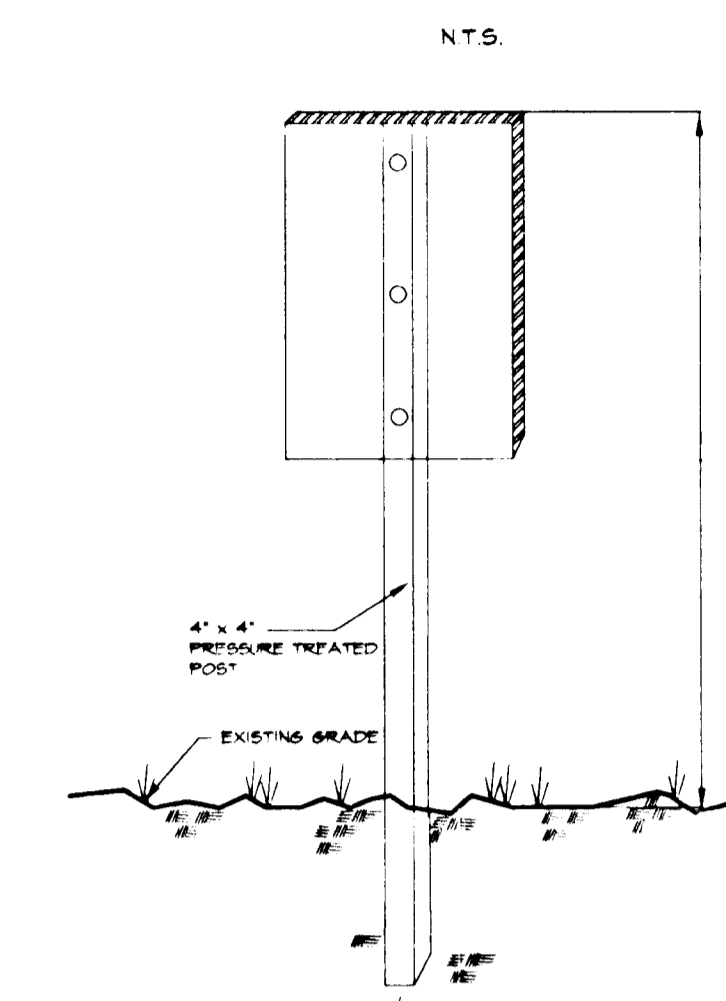
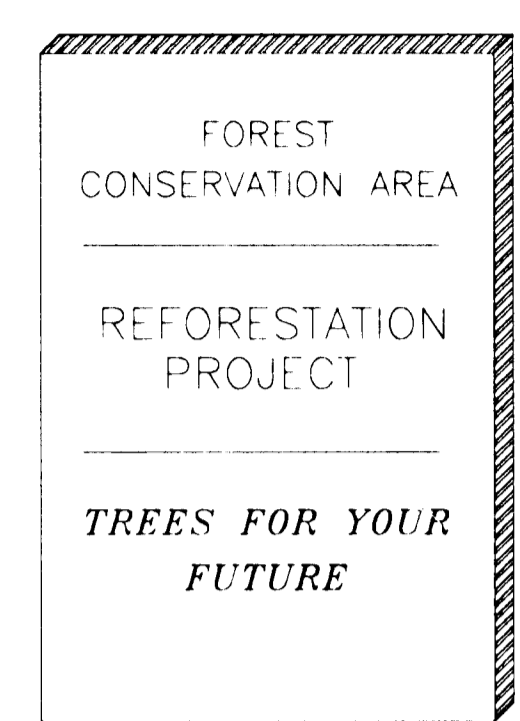
QTY.	BOTANICAL/COMMON NAME	REMARKS
20	CELTIS OCCIDENTALIS Hackberry	Cont.
35	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
40	PINUS TAEDA Loblolly Pine	Cont.

AFFORESTATION AREA 'E'

21: 25' CALIPER LANDSCAPE TREES (SEE LANDSCAPE PLAN)*

ZONE 1: 1" CALIPER TREES

QTY.	BOTANICAL/COMMON NAME	REMARKS
4	CARPINUS CAROLINIANA Ironwood	Cont.
6	LIRIODENDRON TULIPIFERA Tulip Poplar	Cont.
4	PICEA ABIES Norway Spruce	Cont.
6	PINUS STROBUS White Pine	Cont.

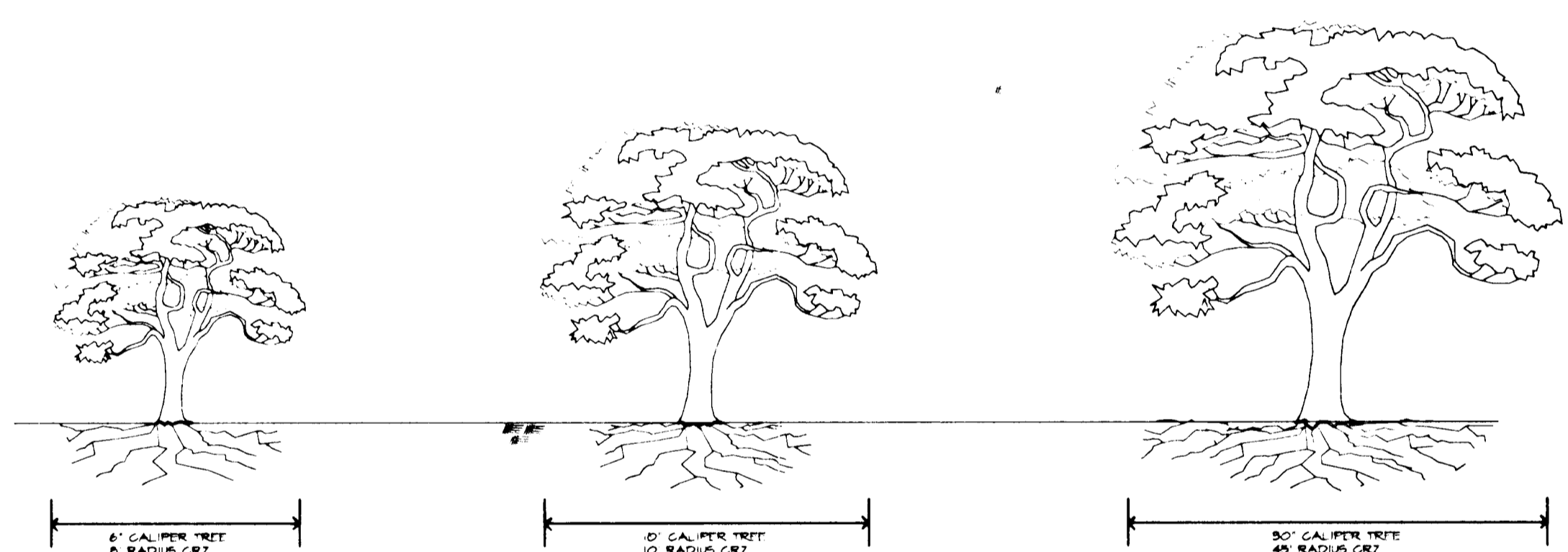


APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Andrew M. Daniels 6-3-96
CHIEF, BUREAU OF HIGHWAYS HS DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Jim Swannick 6/1/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

Chris Swannick 6/5/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

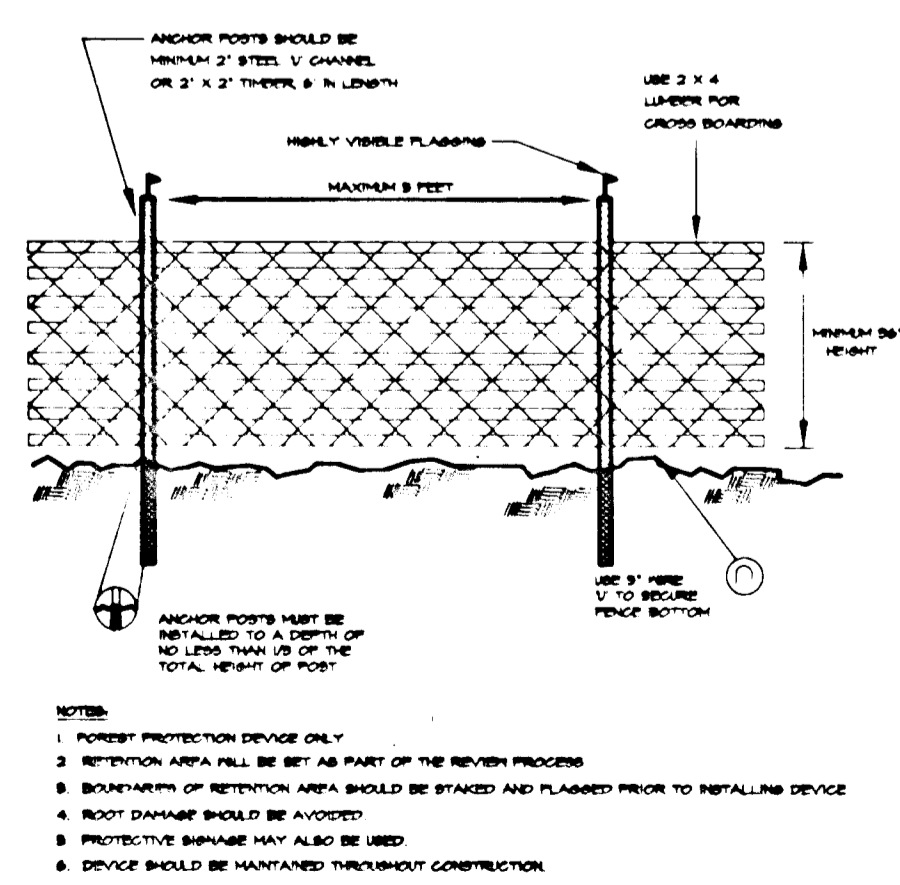
CRITICAL ROOT ZONE



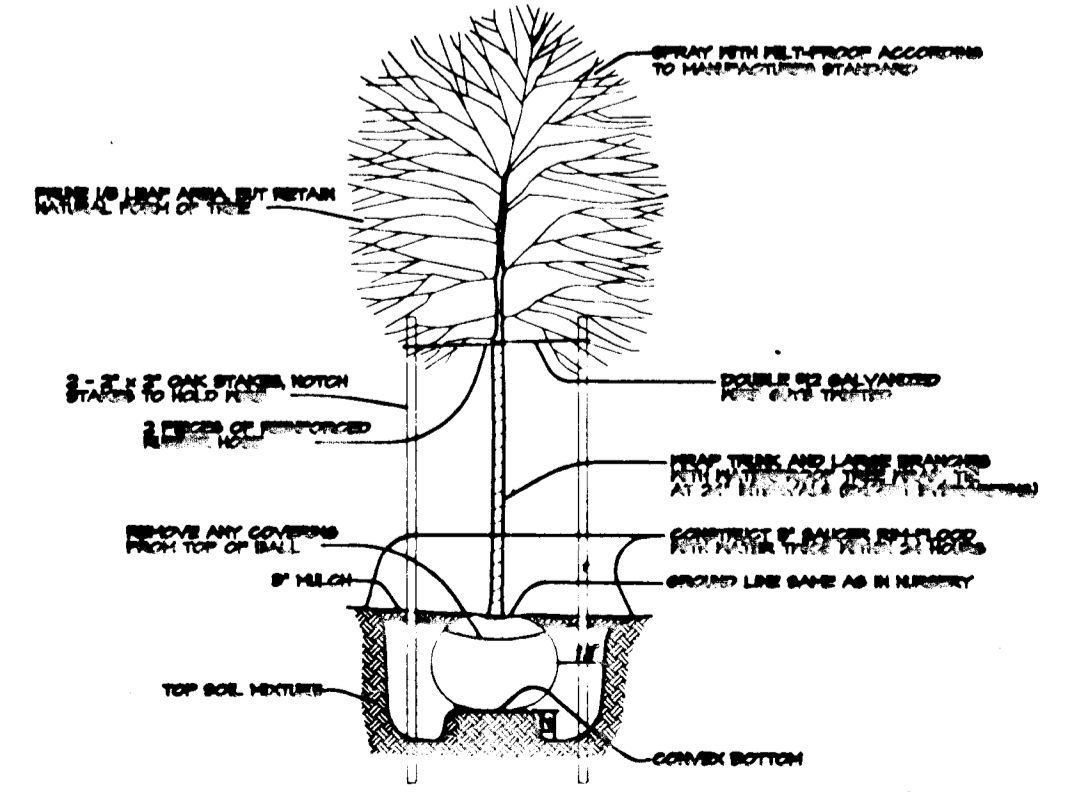
* CRZ = CRITICAL ROOT ZONE

TREE PLANTING DETAILS

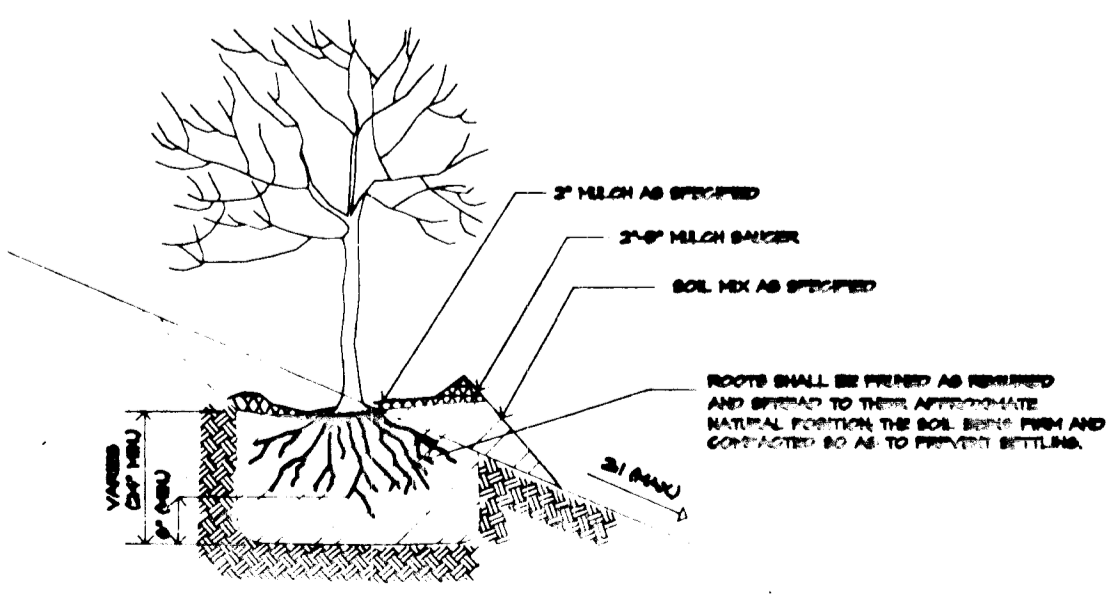
BLAZE ORANGE PLASTIC MESH



PROTECTIVE TREE FENCING

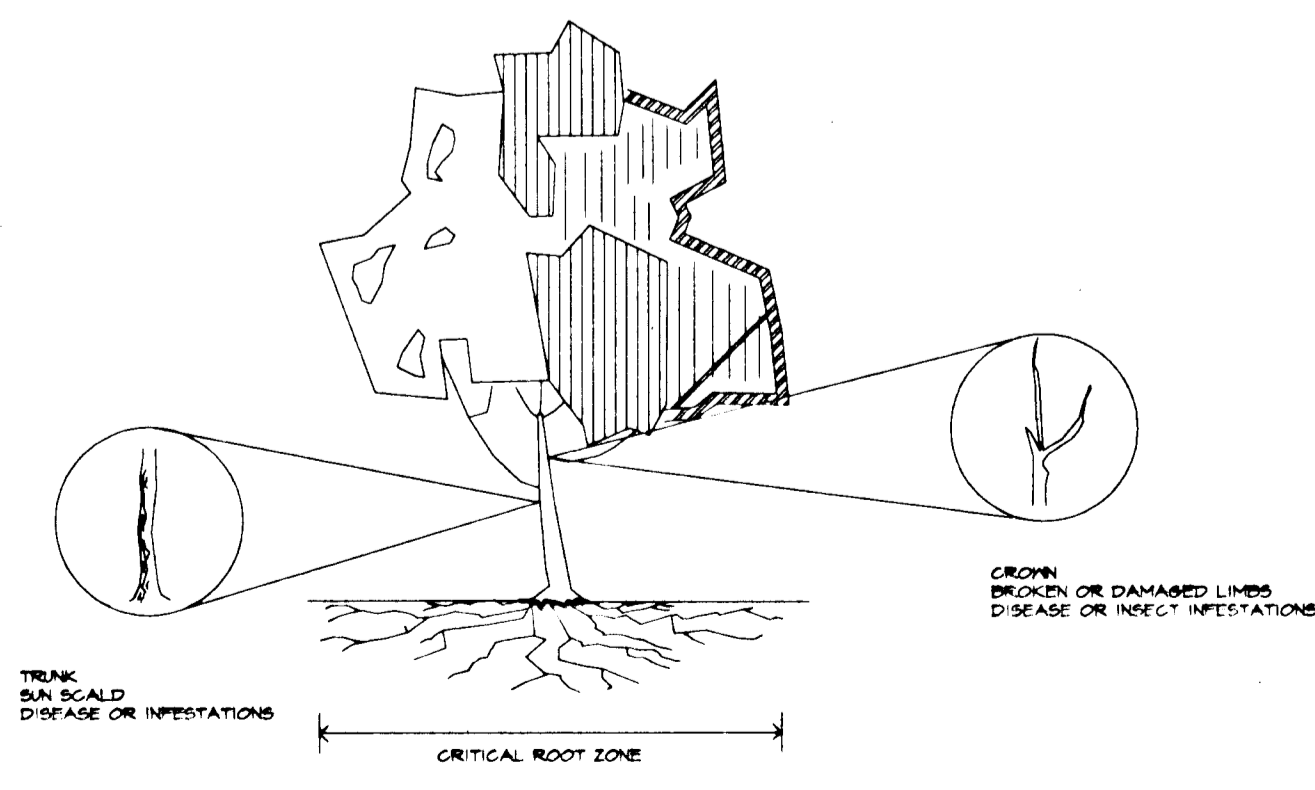


TREE PLANTING DETAIL



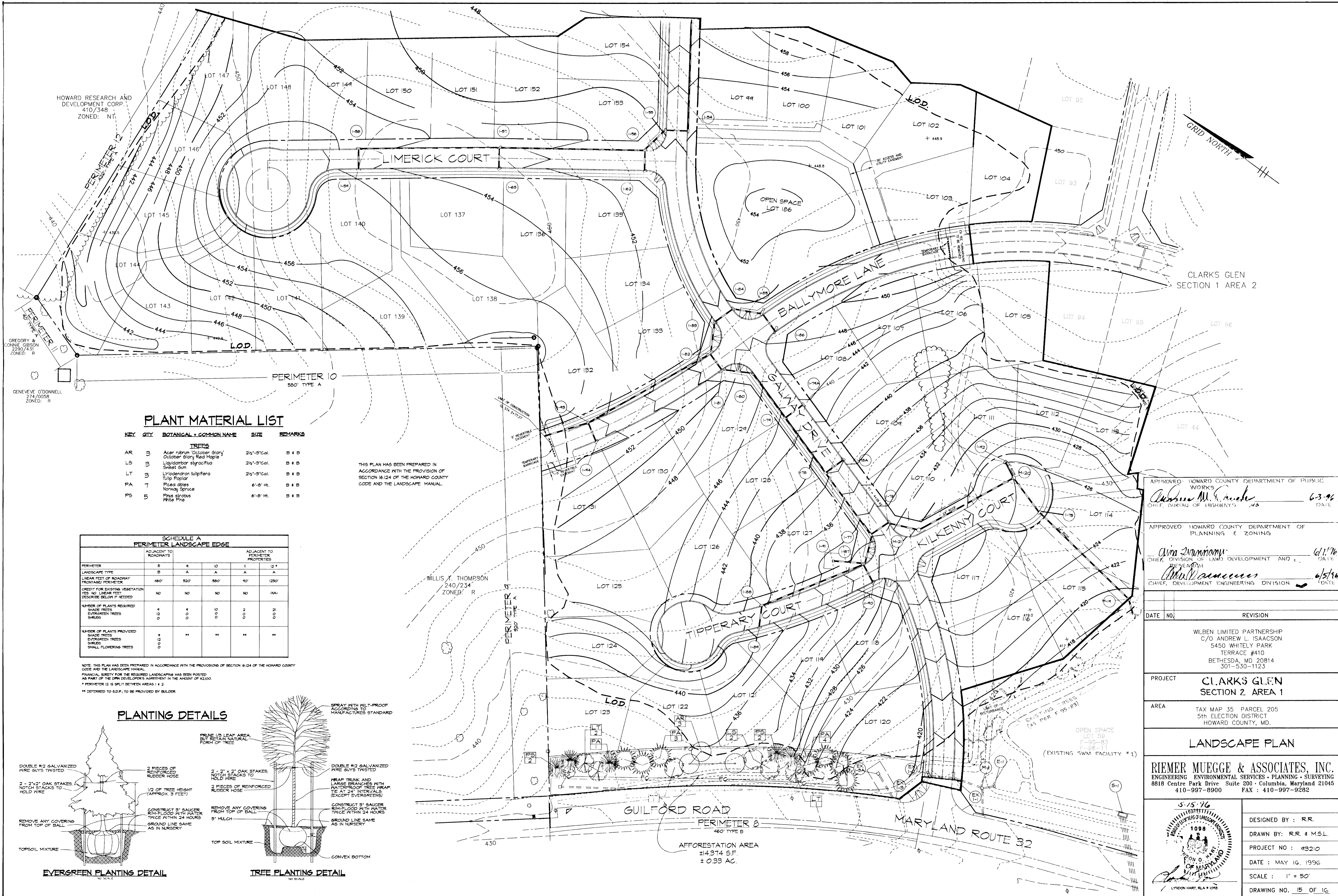
SLOPE PLANTING DETAIL

CONSTRUCTION ACTIVITIES:
POTENTIAL IMPACT TO TREES



DATE	NO.	REVISION
OWNER/DEVELOPER		
WILBEN LIMITED PARTNERSHIP C/O ANDREW L. ISAACSON 5450 WHITELY PARK TERRACE #410 BETHESDA, MD 20814 301-530-1123		
PROJECT		
CLARKS GLEN SECTION 2 AREAS 1 & 2		
AREA	TAX MAP NO. 35	PARCEL 205
5TH ELECTION DISTRICT HOWARD COUNTY, MD		
TITLE		
FOREST CONSERVATION DETAILS		
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-8282		
5-15-96 DATE		
DESIGNED BY: RR		
DRAWN BY: RR		
PROJECT NO: 49210		
DATE: MAY 16, 1996		
SCALE: 1" = 50'		
DRAWING NO. 14 OF 16		

COMAR 06.19.06.01
DOUGLAS R. KOPECK



PLANT MATERIAL LIST

KEY	QTY	BOTANICAL + COMMON NAME	SIZE	REMARKS
TREES				
AR	3	Acer rubrum 'October Glory' October Glory Red Maple	2 1/2'-3' Cal.	B # B
LS	3	Liquidambar styraciflua Sweet Gum	2 1/2'-3' Cal.	B # B
LT	3	Liriodendron tulipifera Tulip Poplar	2 1/2'-3' Cal.	B # B
PA	7	Picea abies Norway Spruce	6'-8' Ht.	B # B
PS	5	Pinus strobus White Pine	6'-8' Ht.	B # B

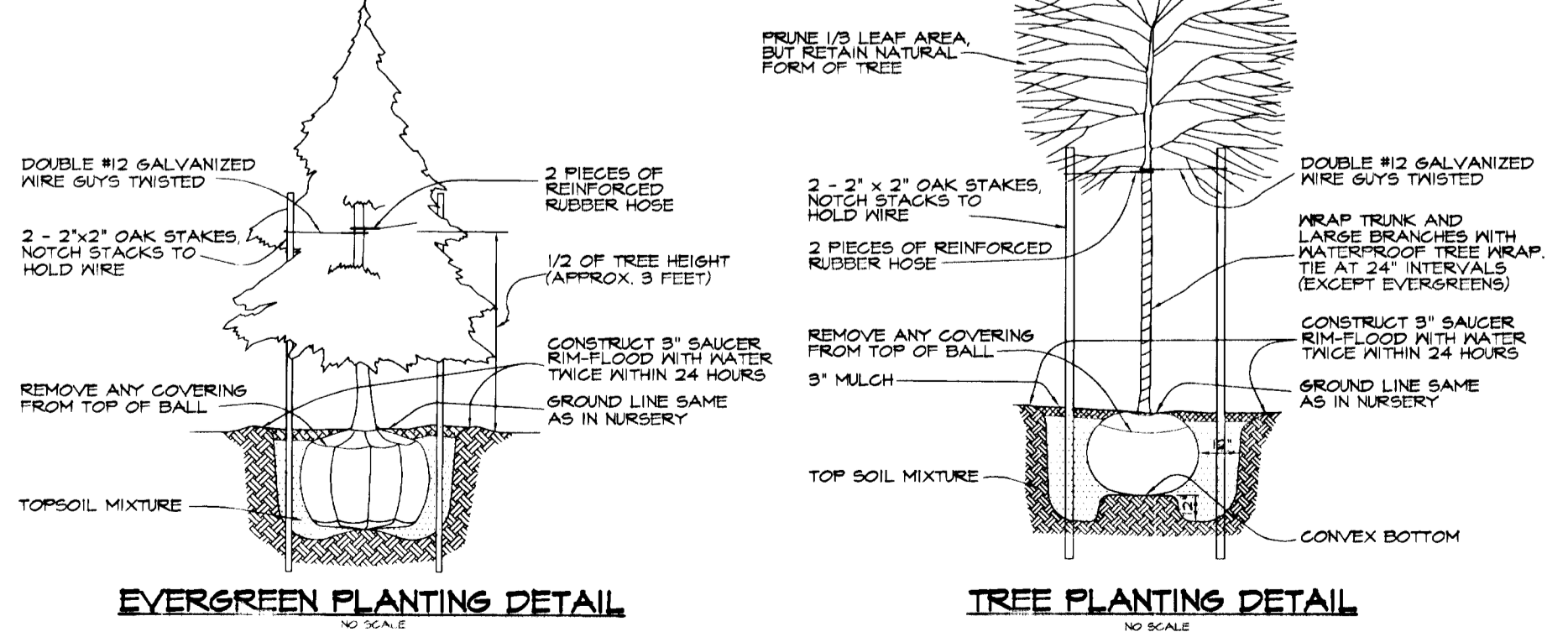
THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.

**SCHEDULE A
PERIMETER LANDSCAPE EDGE**

	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES
PERIMETER	B	A
LANDSCAPE TYPE	B	A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	460'	520'
CREDIT FOR EXISTING VEGETATION YES/NO LINEAR FEET DESCRIBE BELOW IF NEEDED	NO	NO
NUMBER OF PLANTS REQUIRED	4	4
SHADE TREES	0	0
EVERGREEN TREES	0	0
SHRUBS	0	0
NUMBER OF PLANTS PROVIDED	4	**
SHADE TREES	0	**
EVERGREEN TREES	0	**
SHRUBS	0	**
SMALL FLOWERING TREES	0	**

NOTE: 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 HAS BEEN POSTED AS PART OF THE DPM DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$2,000. * PERIMETER 12 IS SPLIT BETWEEN AREAS 1 & 2. ** DEFERRED TO S.D.P. TO BE PROVIDED BY BUILDER.

PLANTING DETAILS



APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Richard M. G. ...
 CHIEF, DIVISION OF HIGHWAYS
 DATE: 6-3-96

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Alvin ...
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ...
 DATE: 6/1/96
...
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 6/5/96

DATE NO. REVISION

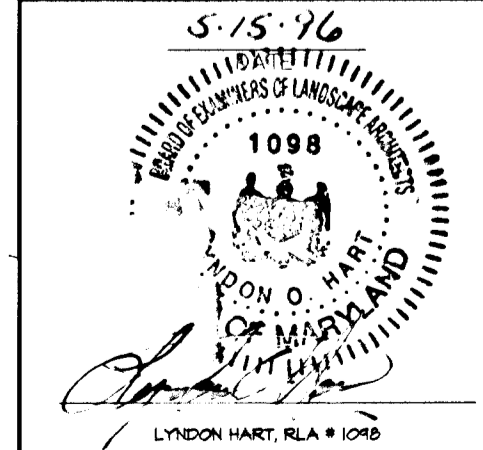
WILBEN LIMITED PARTNERSHIP
 C/O ANDREW L. ISAACSON
 5450 WHITELY PARK
 TERRACE #410
 BETHESDA, MD 20814
 301-530-1123

PROJECT: CLARKS GLEN SECTION 2 AREA 1

AREA: TAX MAP 35 PARCEL 205
 5th ELECTION DISTRICT
 HOWARD COUNTY, MD.

LANDSCAPE PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
 ENGINEERING ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
 8818 Centre Park Drive Suite 200 • Columbia, Maryland 21045
 410-997-8900 FAX: 410-997-9282



DESIGNED BY: R.R.
 DRAWN BY: R.R. & M.S.L.
 PROJECT NO: 49210
 DATE: MAY 16, 1996
 SCALE: 1" = 50'
 DRAWING NO. 15 OF 16

6561

**DRAINAGE AREA # 1
(SEDIMENT BASIN # 1)**

SECTION 2 AREA 1

11.5 Ac. STABILIZED/ DEVELOPED (1A) (1C)
 11.8 Ac. UNSTABILIZED/ DISTURBED (1B)
 23.3 Ac. TOTAL

SECTION 2 AREA 2

ALL AREAS ROUTED WILL BE STABILIZED.
 SEDIMENT BASIN # 1 BUILT TO FINAL
 STORMWATER MANAGEMENT SPECIFICATIONS
 UNDER F-96-11.

**DRAINAGE AREA # 2
(SEDIMENT BASIN # 2)**

SECTION 2 AREA 1

18.6 Ac. STABILIZED/ DEVELOPED (2A)
 5.8 Ac. UNSTABILIZED/ DISTURBED (2B)
 24.3 Ac. TOTAL

SECTION 2 AREA 2

22.3 Ac. STABILIZED/ DEVELOPED (2A) & (2B)
 3.4 Ac. UNSTABILIZED/ DISTURBED (2C)
 25.7 Ac. TOTAL



LEGEND

--- & --- DRAINAGE AREA DIVIDES
 (1A) DRAINAGE AREA DESIGNATOR

PLAN
 SCALE: AS SHOWN

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Andrew M. Daniels 6-3-96
 CHIEF, BUREAU OF HIGHWAYS MS DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Jim Zimmerman 6/7/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH MS DATE
Allen Damm 6-5-96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION MS DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
 WILBEN LIMITED PARTNERSHIP
 C/O ANDREW L. ISAACSON
 5450 WHITELY PARK
 TERRACE # 410
 BETHESDA, MD 20814
 301-530-1123

PROJECT
**CLARKS GLEN
 SECTION 2 AREA 1 & 2**

AREA
 TAX MAP NO. 35 PARCEL 205
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
**TEMPORARY STORMWATER
 MANAGEMENT DRAINAGE AREA
 AND PHASING MAP**

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21046
 410-997-8900 FAX : 410-997-9202

DATE: 6-16-96	DESIGNED BY : J.T.D.
	DRAWN BY : J.T.D./R.J.C.
	PROJECT NO : HOCO\93212 DAMAP.DWG
	DATE : MAY 16, 1996
	SCALE : AS SHOWN
<i>J. Knoll</i>	DRAWING NO. 16 OF 16
JAYKANT D. PAREKH * 19148	

1739