

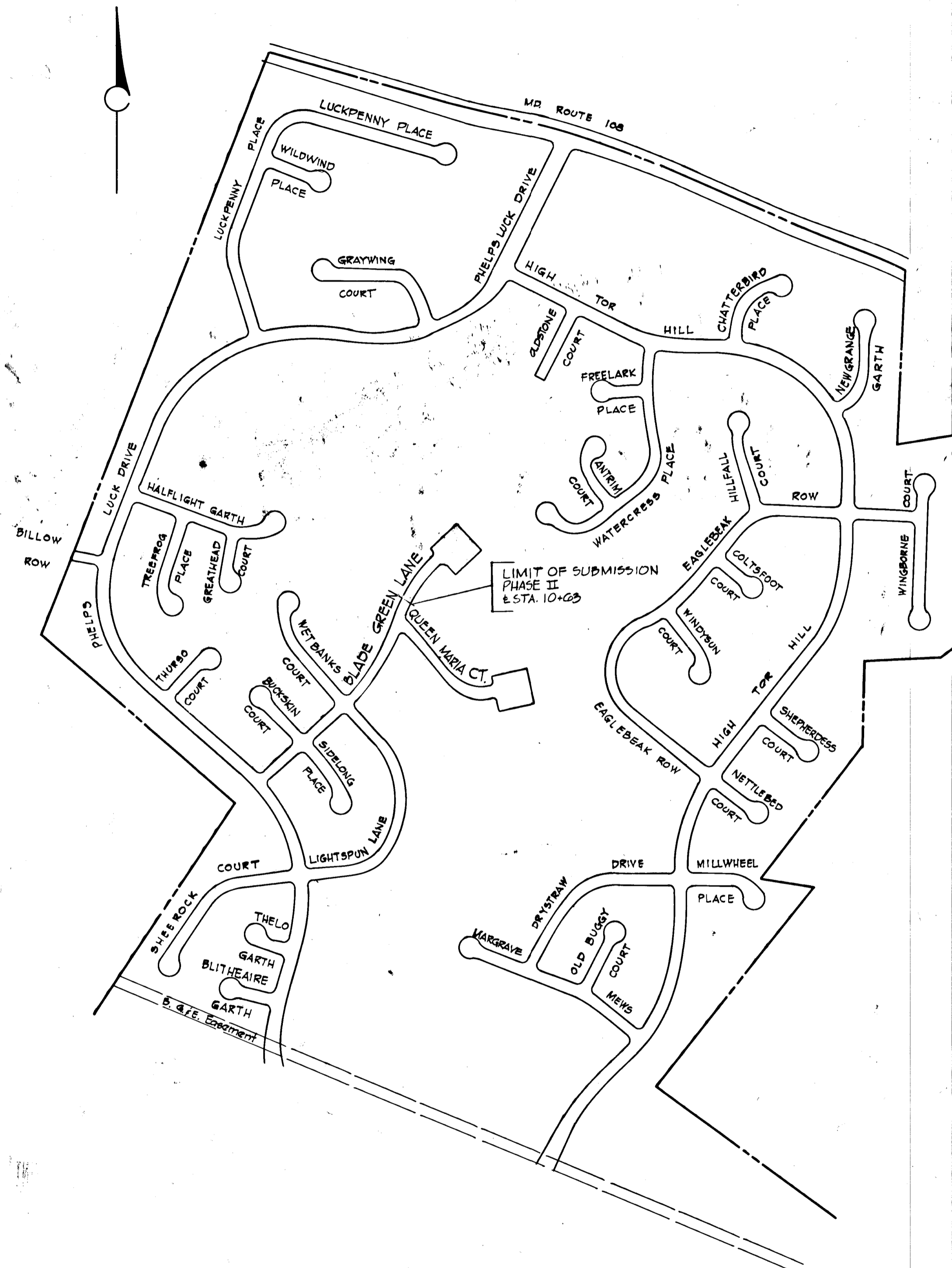
NOTES:

1. All details are from the "Road Construction Code and Standard Specifications" issued by the County Commissioners and The Howard County Road Department.
2. All roads are designed for 25 M.P.H. traffic speed in accordance with The American Association of State Highway Officials Standards.
3. Tie down of seeding and mulching should be done as soon as roads and lots are developed.
4. Top slopes of all fill areas on the roads should be bermed during the construction to prevent excessive erosion of these fill slopes. These berms should have an outlet onto undisturbed ground. If this is not possible, then the temporary constructed drop structures (flumes or chutes) should be designed on a 10 year frequency storm. Berms shall be 18" high with 2:1 side slopes.
5. Contractor to notify all utility companies 48 hrs. and Howard Soil Conservation District 24 hrs prior to the beginning of any construction.
6. All disturbed areas within road right-of-way shall be seeded with a mixture of annual rye grass (20%), Kentucky Blue Grass (20%) & Kentucky 31 Fescue (60%) to be sown at the rate of 200 LBS/acre with a mechanical spreader, rake a minimum of two passes with a yolk rake. Prepare surface with grade Limestone over topsoil surface area at the rate of 1.5 ton/acre (60 LBS/1000 Sq. Ft.), commercial fertilizer at the rate of 1/4 ton/acre (35 LBS/1000 Sq. Ft.) & super Phosphate at the rate of 600 LBS/acre (15 LBS/1000 Sq. Ft.)
7. All work shall be done in accordance with Howard County Road Construction Code.
8. Contractor to notify the following utilities at least three days before starting construction:

Bell Telephone Systems 393-3649
 Long Distance Cable - Division of Bell 393-3553 or 3554
 Baltimore Gas & Electric Co. 234-5691
 Colonial Pipe Line (where applicable) 701-4641
 Howard Soil Conservation District 465-3180
 Howard County Bureau of Sewer & Water 465-5000
 C&P Telephone Co. 393-3648

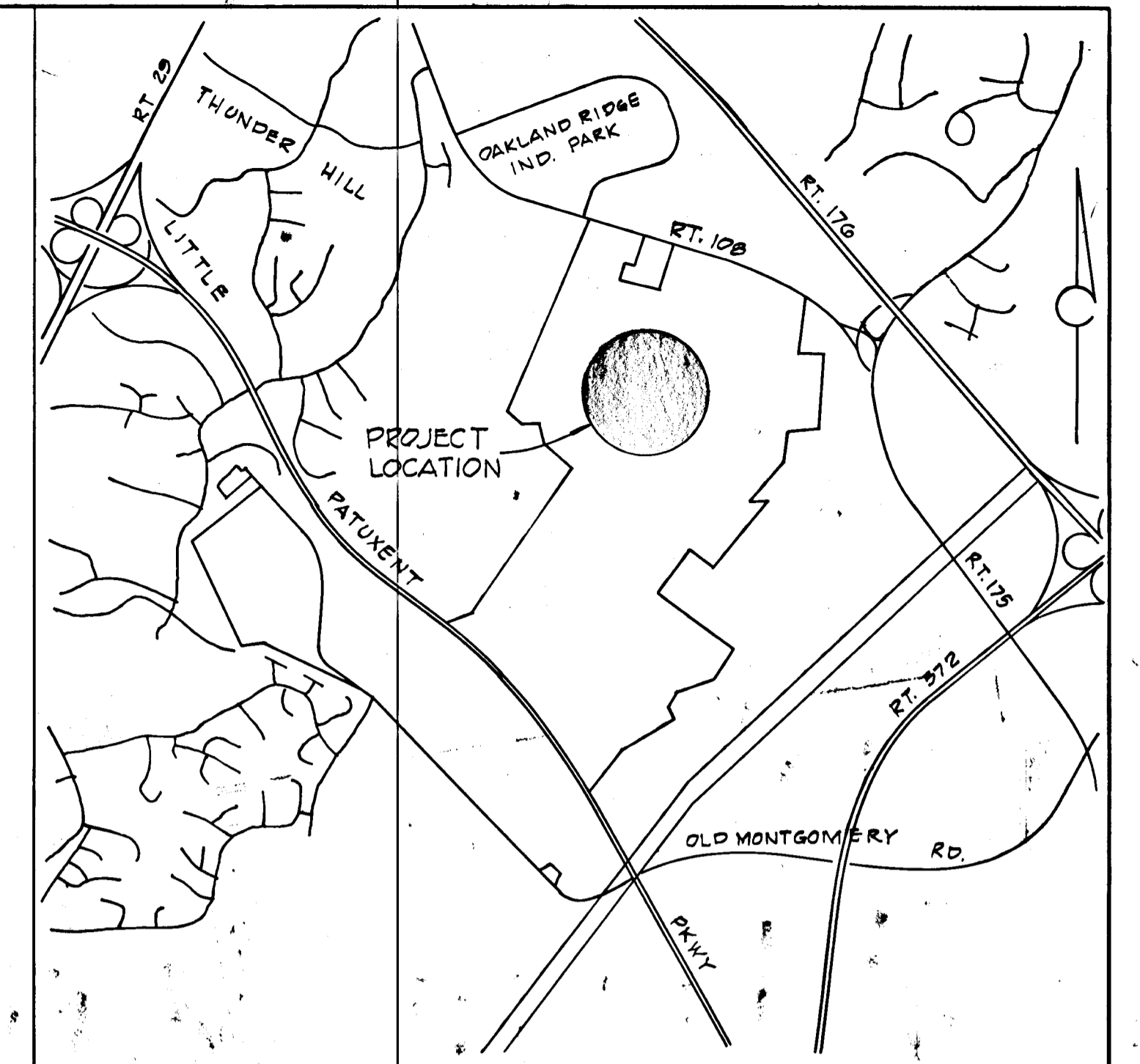
OWNER AND DEVELOPER
 EDMUND J. BENNETT DEVELOPMENT CORP.
 1300 POTOMAC VALLEY ROAD
 ROCKVILLE MARYLAND
 301-424-1270

**"KING CHARLES COMMONS"
 PHASE II**



LOCATION PLAN
 Scale: 1"=400'

VILLAGE OF LONGREACH
 SECTION I AREA I
 A RESUBDIVISION
 OF PARCEL "G"



VICINITY MAP
 SCALE: 1"=2000'

INDEX	
1.	TITLE SHEET
2.	DRAINAGE AREA MAP
3.	PLAN/PROFILE - BLADE GREEN LA.
4.	STORM DRAIN PROFILES
5.	ROADWAY DETAILS

REVISED 4-13-72 PER D.P.W. COMMENTS OF 4-18-72

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 D.D.E. 5/10/72

RICHARD P. BROWNE ASSOCIATES
 Columbia, Maryland

ENGINEERS PLANNERS ARCHITECTS
 Wayne, New Jersey

DEPARTMENT OF PUBLIC WORKS

J. H. McLeod
 CHIEF, BUREAU OF HIGHWAYS

5/30/72
 DATE

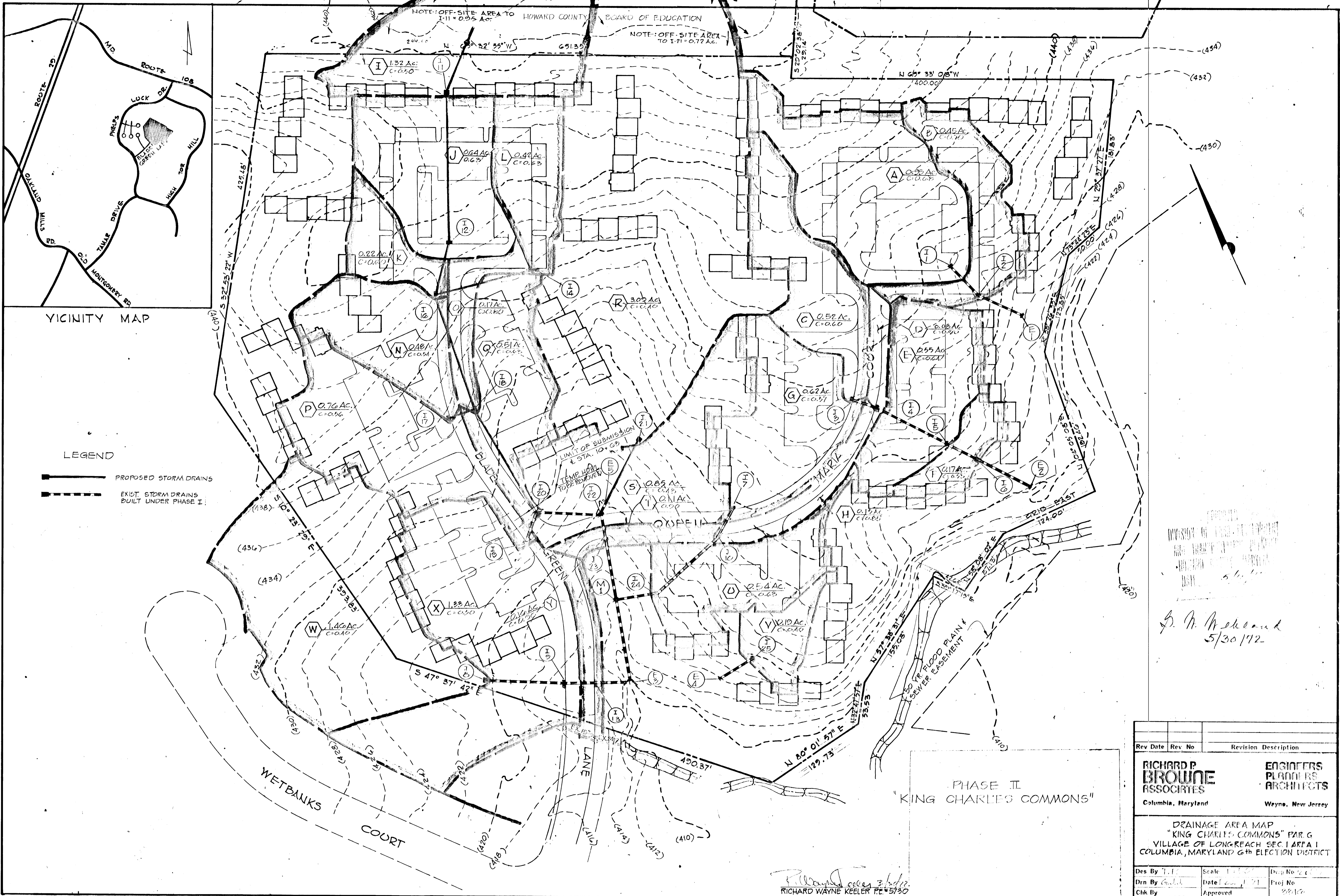
OFFICE OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING.

DATE

R. Wayne Keeler 5-30-72
 RICHARD WAYNE KEELER PE#5730

DATE



VICINITY MAP

LEGEND

- PROPOSED STORM DRAINS
- EXIST. STORM DRAINS BUILT UNDER PHASE I

APPROVED
 DIVISION OF PUBLIC WORKS
 DATE: 5/11/72
 BY: [Signature]
 S. R. Ashland
 5/30/72

PHASE II
 "KING CHARLES COMMONS"

Rev Date	Rev No	Revision Description

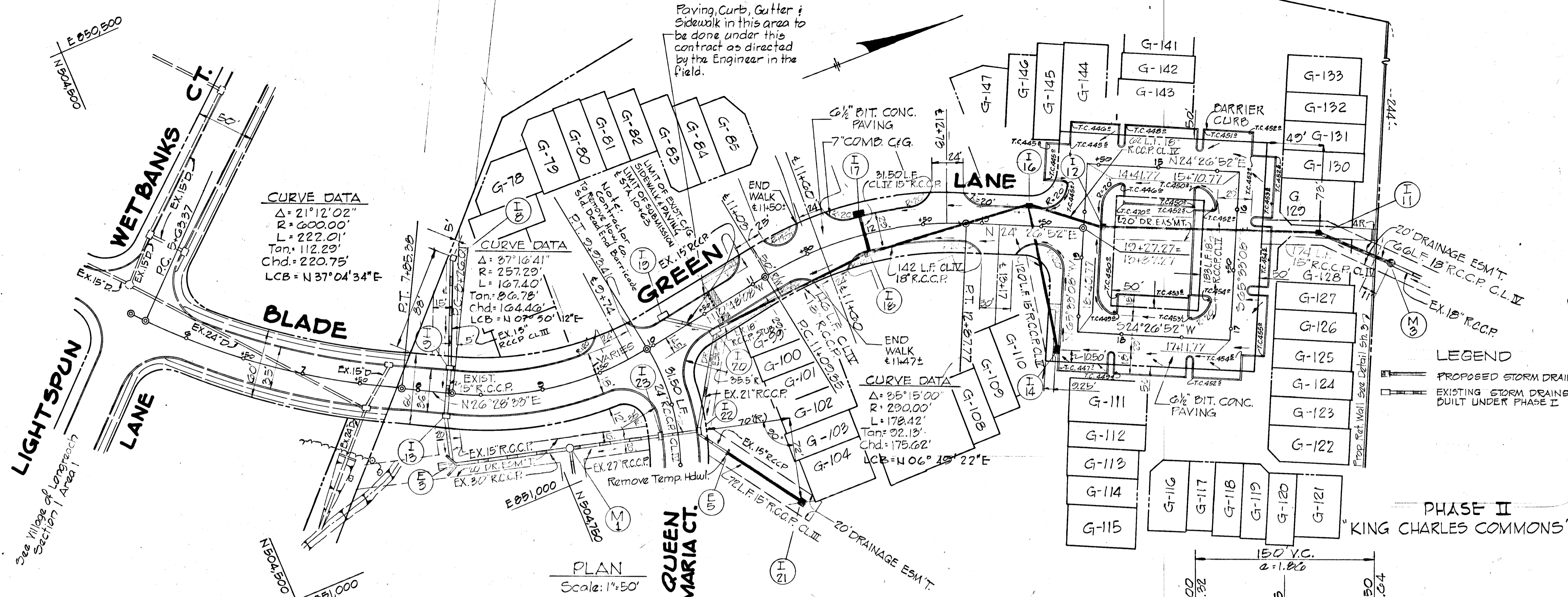
RICHARD P. BROWNE ASSOCIATES Columbia, Maryland	ENGINEERS PLANNERS ARCHITECTS Wayne, New Jersey
---	---

DRAINAGE AREA MAP
 "KING CHARLES COMMONS" PAR. G
 VILLAGE OF LONGREACH SEC. I AREA I
 COLUMBIA, MARYLAND 6th ELECTION DISTRICT

Des By: T.F.	Scale: 1" = 100'	Draw No: 201
Drn By: G.W.K.	Date: 5/1/72	Proj No: 2810
Chk By:	Approved:	

Richard Wayne Keeler 5/30/72
 RICHARD WAYNE KEELER PE #5730

#100

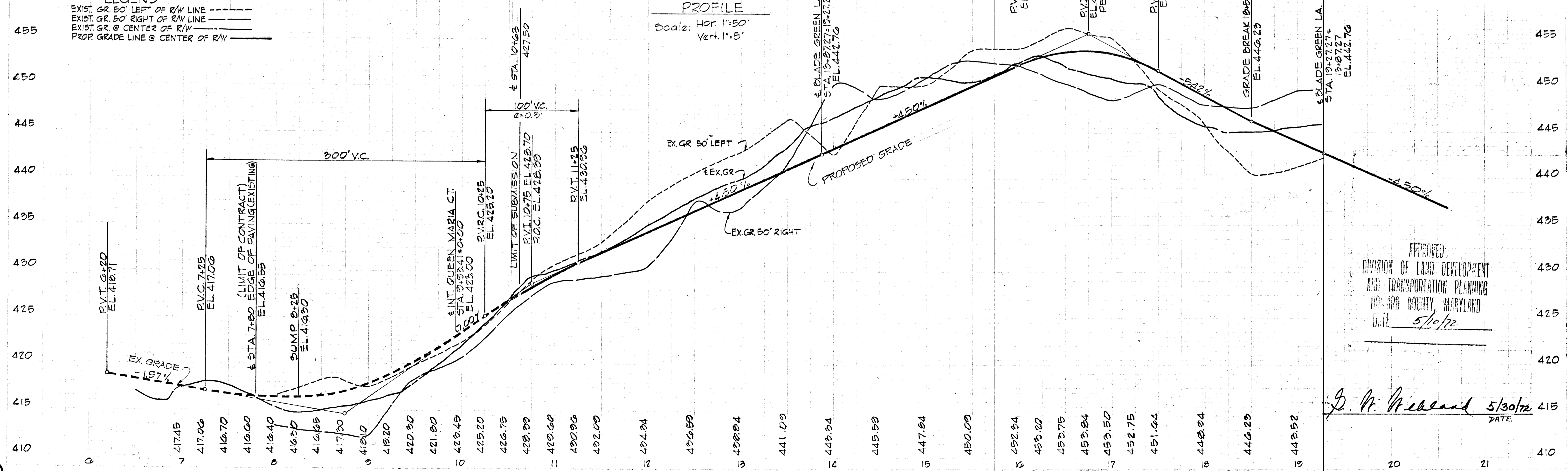


Richard Wayne Keeler
 RICHARD WAYNE KEELER PE #5730

3/30/72	1	Designated End of walk, Added Flow Arrows
Rev Date	Rev No	Revision Description
RICHARD B. BROWNE ASSOCIATES		ENGINEERS PLANNERS ARCHITECTS
Columbia, Maryland		Wayne, New Jersey
PLAN & PROFILE		
BLADE GREEN LANE PAR'G'		
VILLAGE OF LONGREACH Sec. 1 Area 1		
COLUMBIA, MARYLAND 6th ELECTION DISTRICT		
Des. By: T.P.	Scale: As Shown	Proj No: 3 of 5
Drawn By: G.J.J.	Date:	Proj No:
Chk By:	Approved:	3310

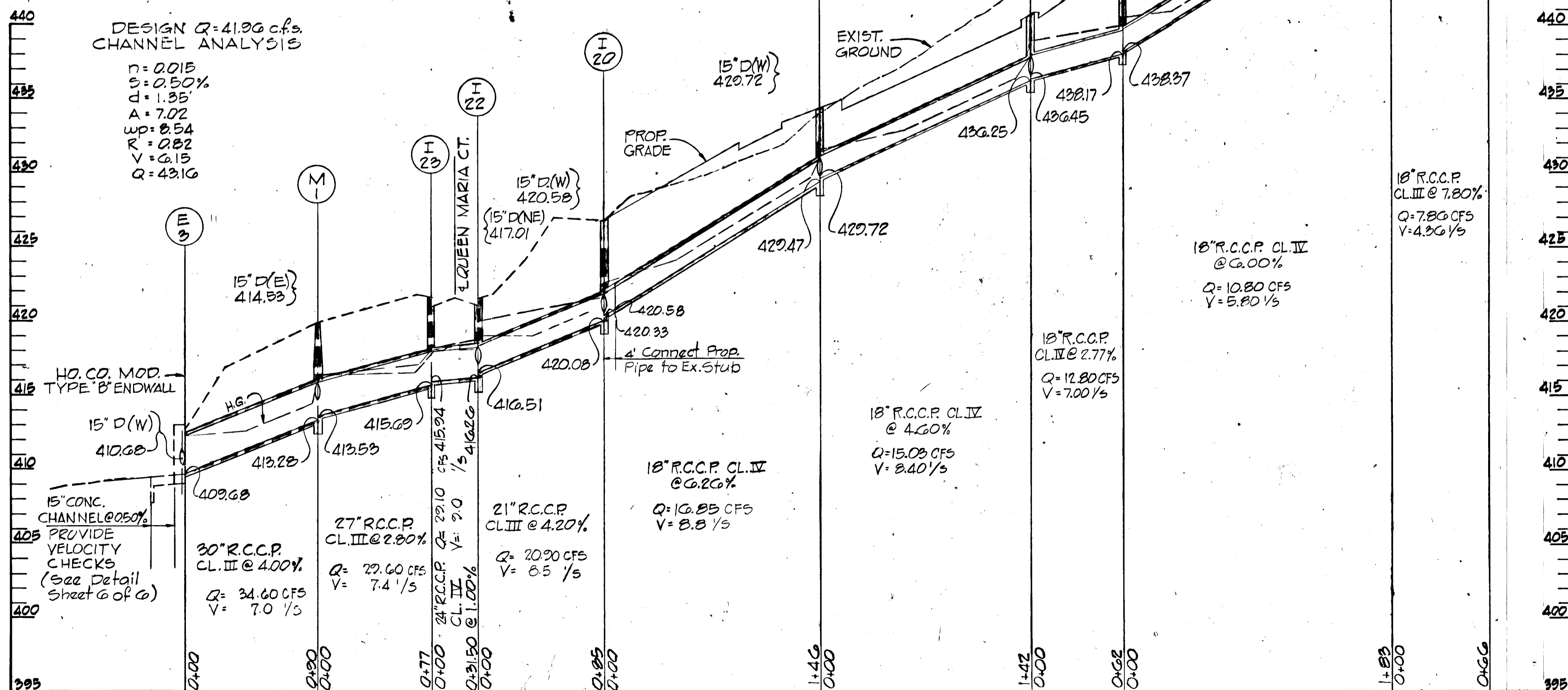
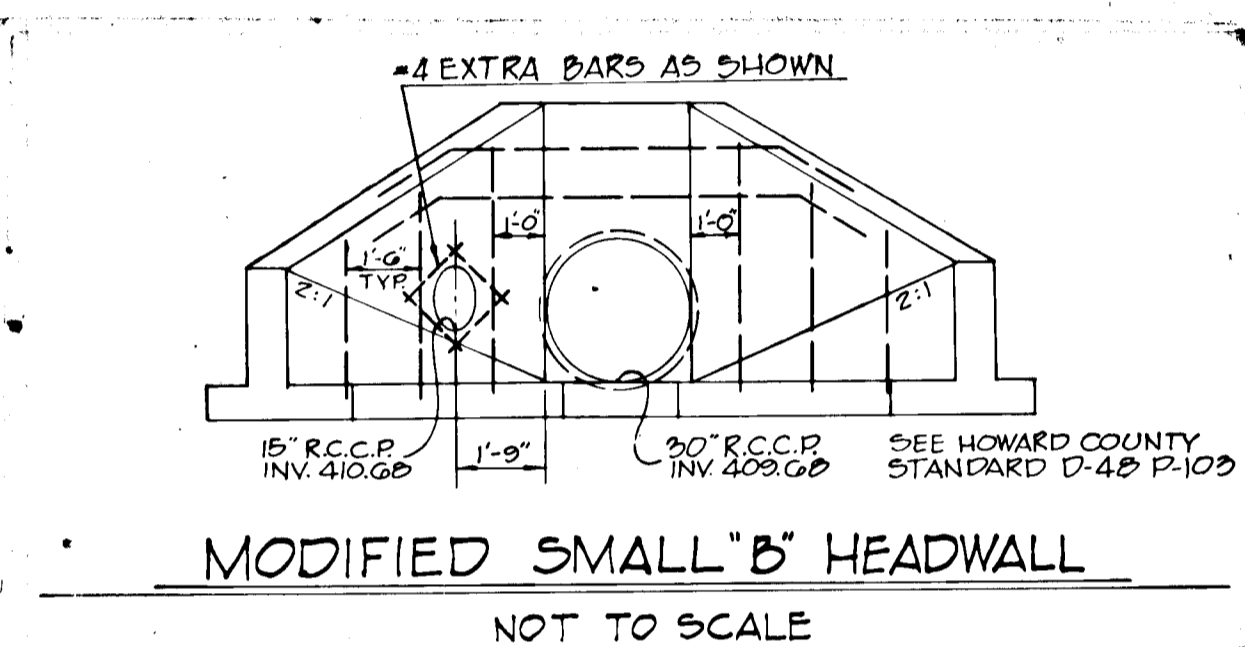
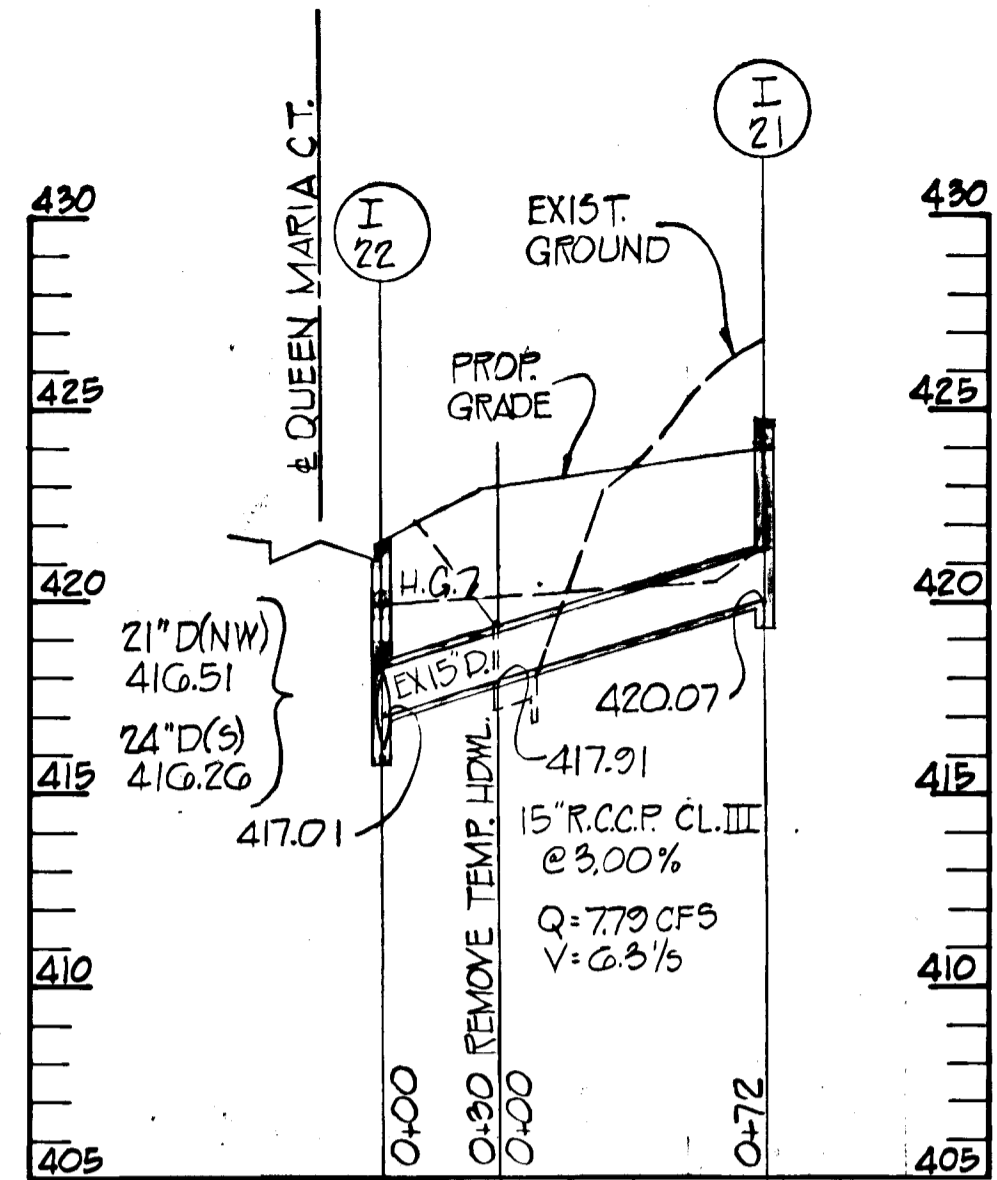
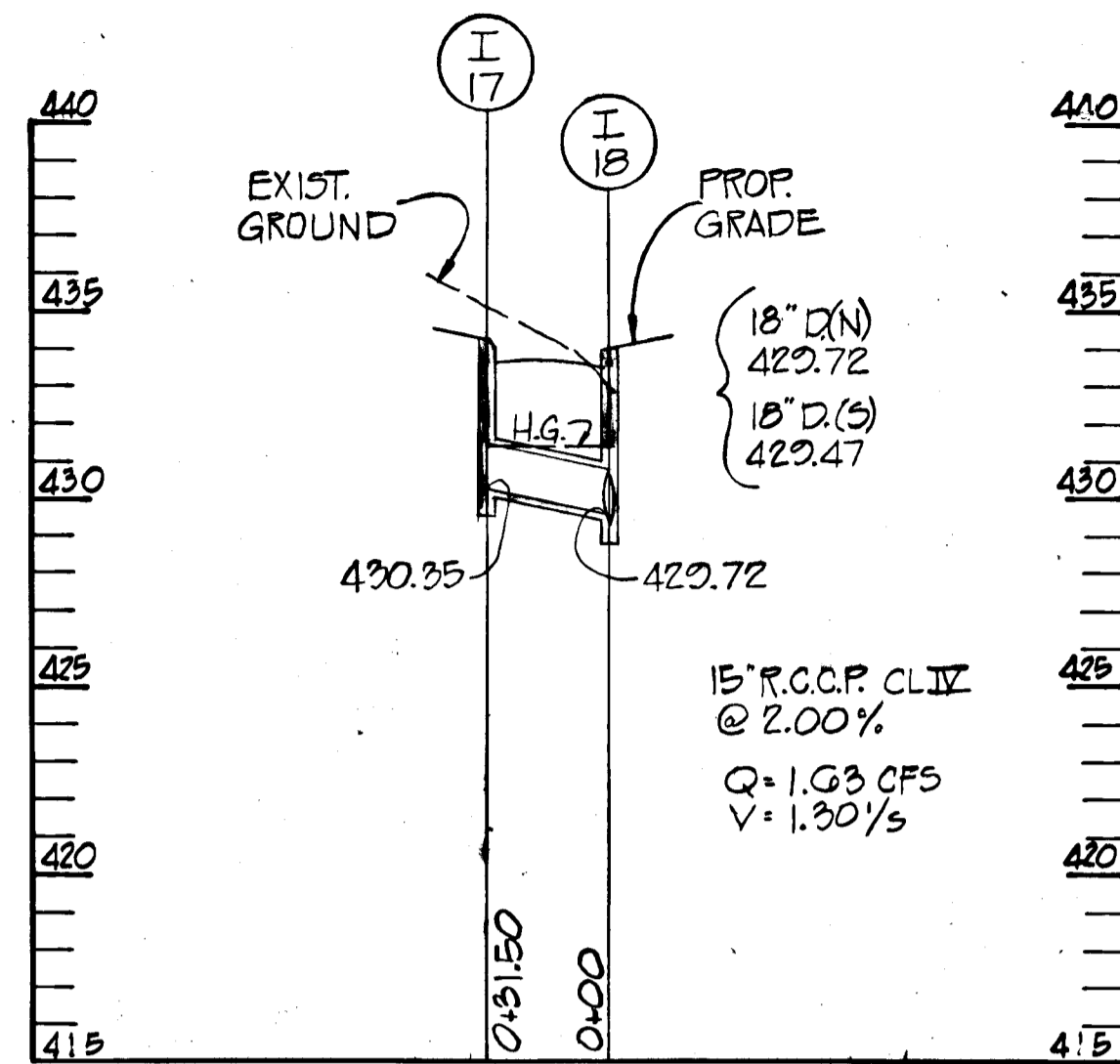
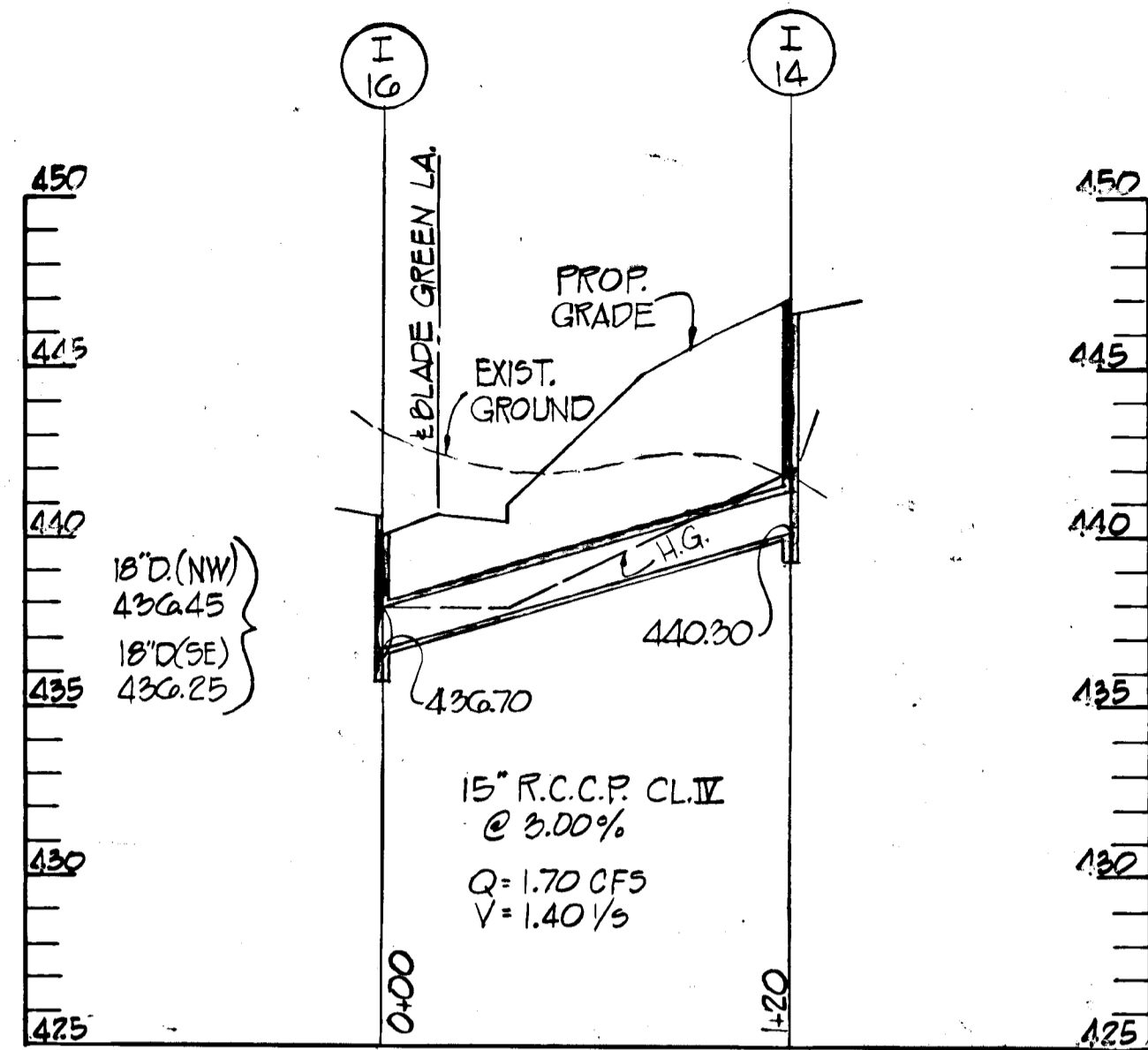
LEGEND
 - - - - - EXIST. GR. 50' LEFT OF R/W LINE
 - - - - - EXIST. GR. 50' RIGHT OF R/W LINE
 - - - - - EXIST. GR. @ CENTER OF R/W
 - - - - - PROP. GRADE LINE @ CENTER OF R/W

PROFILE
 Scale: Hor. 1"=50'
 Vert. 1"=5'



APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HARRIS COUNTY, MARYLAND
 DATE: 5/10/72

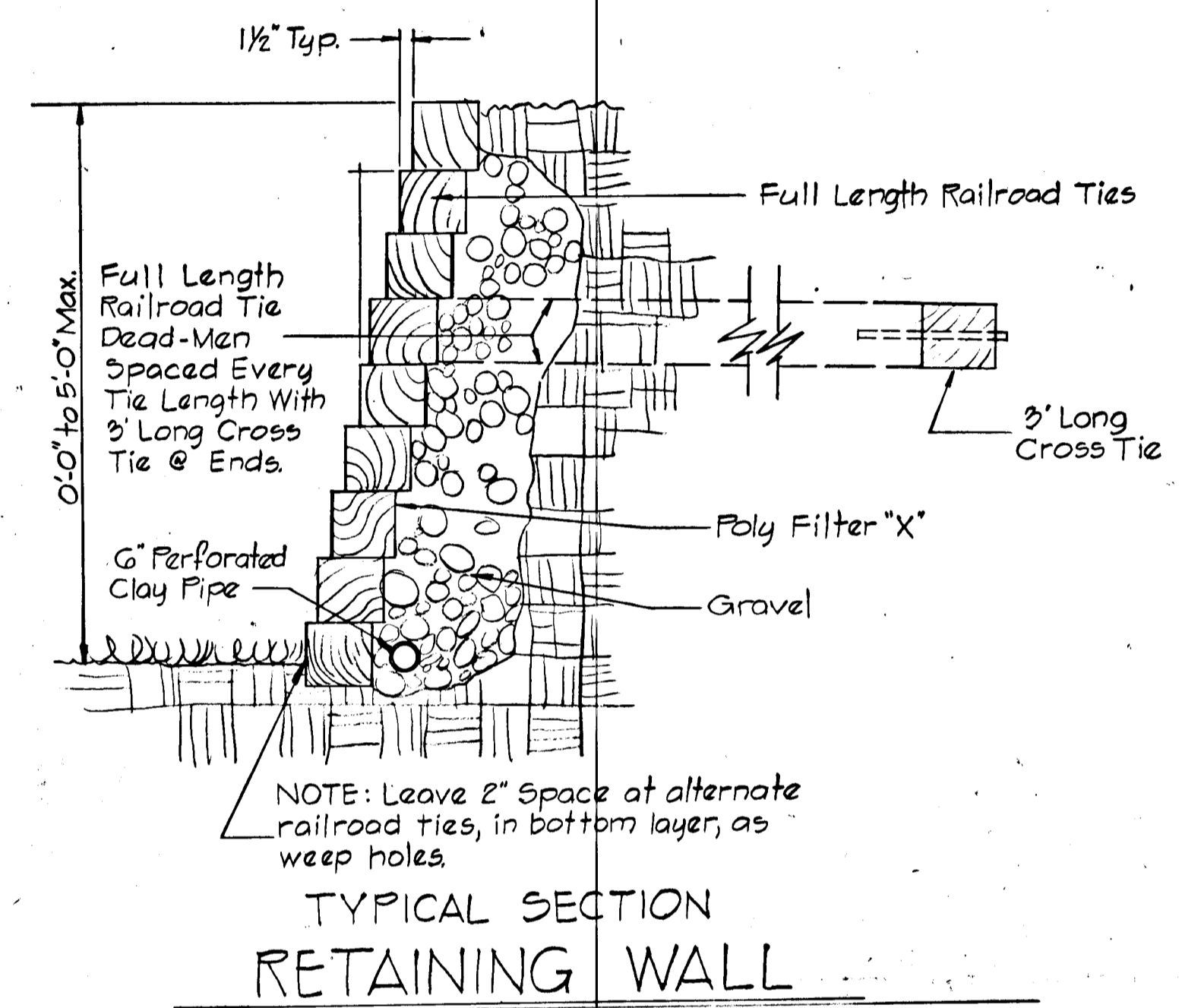
G. M. Keenan 5/30/72
 DATE



DESIGN Q = 41.96 cfs.
CHANNEL ANALYSIS
n = 0.015
S = 0.50%
d = 1.35'
A = 7.02
wp = 8.54
R = 0.82
V = 6.15
Q = 43.16

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

STORM DRAINAGE STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
M-2	5'x2' MANHOLE	SEE PLAN	450.10	454.60	± 461.54	HO. CO. ST'D. G-10
I-11	G INLET	SEE PLAN	442.55	442.35	± THROAT 453.50	HO. CO. ST'D. G4-C
I-12	A-5 INLET	± STA. 10+27.27 - 15.75' RIGHT	438.37	438.17	± 442.8	HO. CO. ST'D. G4-A
I-13	A-5 INLET	± STA. 12+00.00 - 15.75' LEFT	436.45	436.25	± 440.85	HO. CO. ST'D. G4-A
I-18	A-5 INLET	± STA. 12+00.00 - 15.75' RIGHT	429.72	429.47	± 434.46	HO. CO. ST'D. G4-A
I-14	A-5 INLET	SEE PLAN	---	440.80	± 447.20	HO. CO. ST'D. G4-A
I-17	A-10 INLET	± STA. 12+00.00 - 15.75' LEFT	---	430.35	± 434.46	HO. CO. ST'D. G4-A
I-21	G INLET	SEE PLAN	---	422.07	± THROAT 424.00	HO. CO. ST'D. G4-C



PROPOSED
METHOD OF LAND DEVELOPMENT
AND PRELIMINARY PLANNING
WORKSHEET NO. 117-100
DATE 5/10/72

Richard Wayne Keeler
RICHARD WAYNE KEELER PE #5730

S. H. McElwain
5/30/72

"KING CHARLES COMMONS"
PHASE II

Rev. 1	3/30/72	Added Retaining Wall Detail
RICHARD P. BROWNE ASSOCIATES Columbia, Maryland		ENGINEERS PLANNERS ARCHITECTS Wayne, New Jersey
STORM DRAIN PROFILES / DETAILS "KING CHARLES COMMONS" PAR. G VILLAGE OF LONGBEACH SEC. I AREA I COLUMBIA, MARYLAND 6 TH ELECTION DISTRICT		
Des By T.P.	Scale As Shown	Dwg No 4 of 5
Drn By G.J.J.	Date	Proj No
Chk By	Approved	3316

