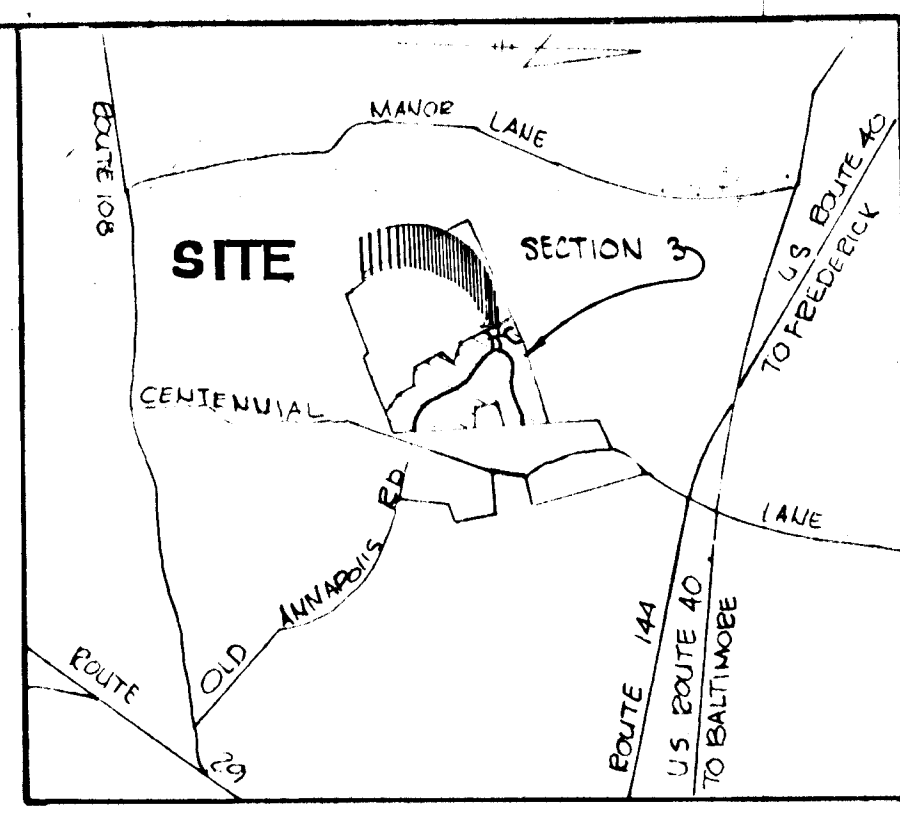
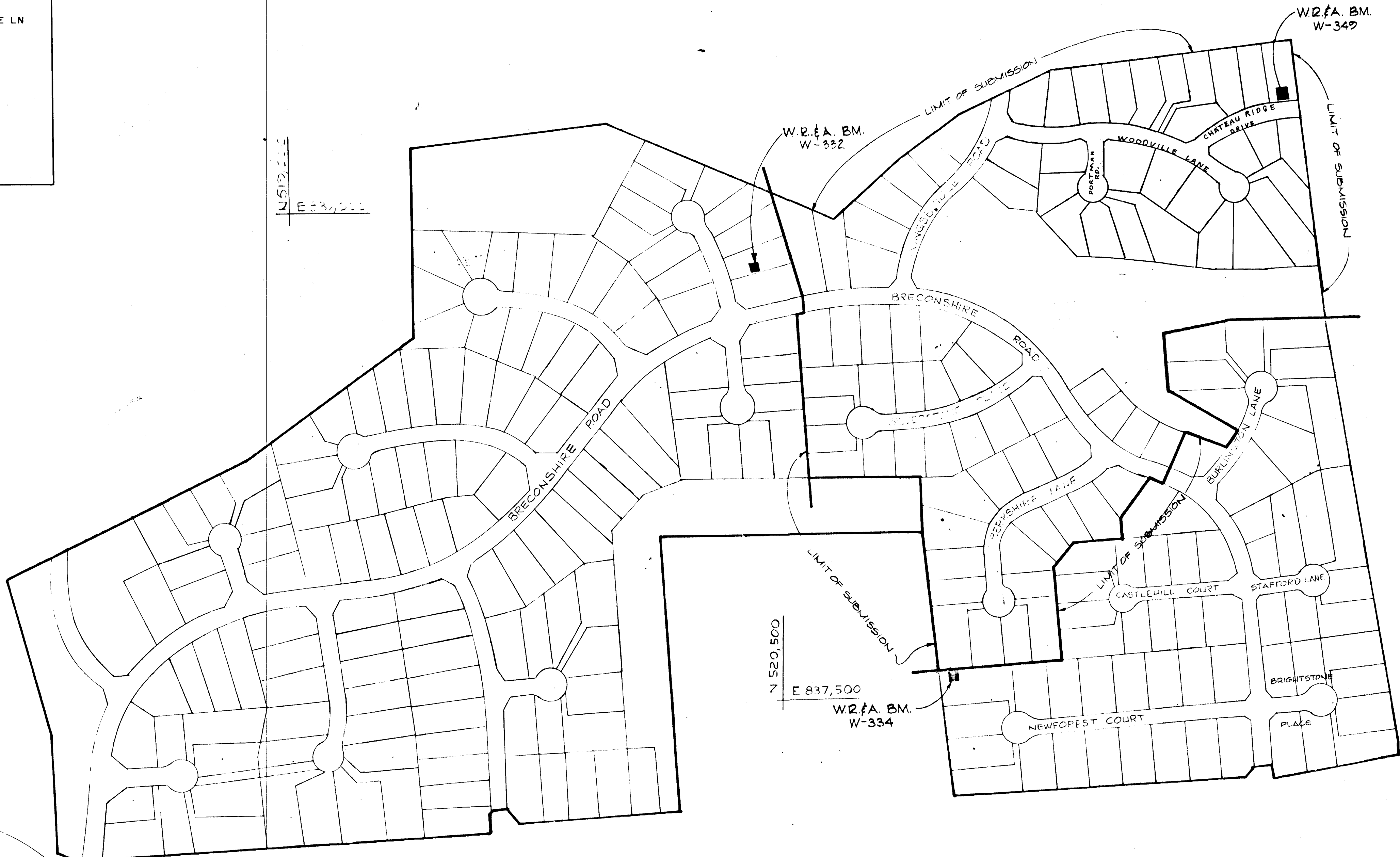
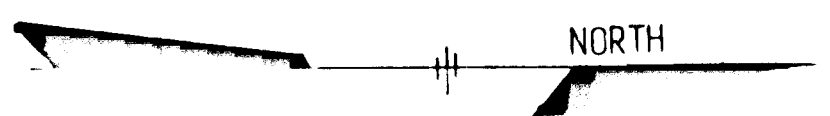


NO.	SHEET INDEX DESCRIPTION
1.	TITLE SHEET
2.	PLAN AND PROFILE BRECONSHIRE RD
3.	PLAN AND PROFILE BRECONSHIRE RD AND BERKSHIRE LN
4.	PLAN AND PROFILE KINGSBRIDGE RD
5.	PLAN AND PROFILE CHATEAU RIDGE DR
6.	PLAN AND PROFILE SILVERSTONE PL
7.	PLAN AND PROFILE PORTMAN PL AND WOODVILLE LN
8.	ROAD AND STORM DRAIN DETAILS
9.	DRAINAGE AREA MAP
10.	STORM DRAIN PROFILES
11.	STORM DRAIN PROFILES
12.	STORM DRAIN PROFILES
13.	DRAINAGE AREA MAP SEDIMENT CONTROL
14.	SEDIMENT CONTROL PLAN
15.	SEDIMENT CONTROL PLAN
16.	SEDIMENT CONTROL DETAILS
17.	SEDIMENT CONTROL DETAILS



- GENERAL NOTES**
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
 2. ALL UTILITY COMPANIES SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION.
 3. ALL INLETS SHALL BE HOWARD COUNTY STANDARDS UNLESS OTHERWISE SHOWN.
 4. ALL STREET CURB RETURNS SHALL HAVE A 25.0' RADII UNLESS OTHERWISE NOTED.
 5. STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CODE.
 6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
 7. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION.
 8. TEMPORARY COMPACTED 18" HIGH EARTH FILL DIVERSION DIKES SHALL BE CONSTRUCTED ABOVE THE LIPS OF FILL SLOPES ON THE R.O.W. CONCURRENTLY WITH THE INITIAL GRADING AND DIRECTED TO UNDISTURBED SOO EAS AT THE END OF EACH DAY.
 9. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTIONS AND PERMITTED AT LEAST 3-DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE NO. 792-2630.
 10. ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
 11. ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 P.S.I.
 12. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDED. SEE THE SEED SPECIFICATIONS ON SHEET 16.
 13. TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1978 2ND EDITION.
 14. STABILIZATION (FILL WITH CLOTH 1-100) OR EQUAL SHALL BE PLACED UNDER ALL STONE RIP-RAP (FULL WIDTH AND LENGTH OF STONE.)
 15. STONE FOR RIP-RAP SHALL BE AS SPECIFIED ON THE DRAWINGS. ALL RIP-RAP SHALL BE UNPAVED.
 16. STUBS FOR 6" P.V.C. UNDERDRAIN PIPE TO BE INSTALLED AT CENTER OF EACH WALL OF EVERY INLET.
 17. LAMP POST - A 250-WATT MERCURY VAPOR LAMP PENDANT MOUNTED FIXTURE ON A 30-FOOT BRONZE ALUMINUM POLE.
 18. LAMP POST - A 75-WATT MODERN MERCURY VAPOR LAMP POST TOP FIXTURES ON A 12-FOOT BRONZE FIBERGLASS POLE.

MONUMENT
3040001

BENCH MARKS

HOWARD COUNTY CONTROL POINT 3040001
CONCRETE MON. SURFACE - 25' ±
E OF 4' OF CENTENNIAL LANE.
70' ± S. OF OLD ANNAPOLIS ROAD
ELEV. 494.422

TRAVERSE STA. S-200 ELEV. 449.68

LOCATION PLAN
SCALE: 1" = 200'

HORIZONTAL & VERTICAL CONTROL			
STATION	NORTH	EAST	ELEV.
3140002	500590.105	838530.841	445.77
3140001	500547.740	838056.376	436.43

R/C INDICATES 3" LONG 5/8" REBAR WITH CAP SET FLUSH WITH GROUND.

NOTE:
THE AS-BUILT INFORMATION SHOWN ON THESE DRAWINGS WAS DRAFTED BY FISHER, COLLINS & CARTER, INC. THIS INFORMATION WAS TAKEN FROM THE AS-BUILT RED LINED PRINTS PREPARED BY MCKEE ASSOCIATES, DATED 6-17-91

STORM WATER MANAAGEMENT FOR THIS PROJECT HAS BEEN PROVIDED IN BURLEIGH MANOR SECTION 13 ALPHAS

WHITMAN, REQUARDT AND ASSOCIATES
ENGINEERS
2315 SAINT PAUL STREET
BALTIMORE MARYLAND 21218
Thomas J. Shafer
THOMAS J. SHAFER
Registered Engineer No. PE. 8451

OWNER
STEWART J. GREENEBAUM &
THOMAS J. PELLERITO, TRUSTEES
BALTIMORE, MARYLAND

OFFICE OF PLANNING AND ZONING
Mark J. Taylor 7/20/87
CHIEF, DIVISION OF COMMUNITY PLANNING
AND LAND DEVELOPMENT JB

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Donald J. Gannon 7/13/89
CHIEF, LAND DEVELOPMENT DIVISION DATE
Sheila Wickland 7/19/89
CHIEF, BUREAU OF HIGHWAY DATE
William S. P... .. 7-20-89
CHIEF, BUREAU OF ENGINEERING DATE

REV. DATE	REV. NO.	REVISION	DESCRIPTION
5-16-89	1		

BURLEIGH MANOR
SECTION 3 AREA 5
LOTS 523-531, 501-200, 722-750, AND 753
ROAD CONSTRUCTION PLANS
2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

DEVELOPER
ROSE / RICHMOND JOINT VENTURE
BALTIMORE, MARYLAND

SCALE: AS SHOWN DATE: 4/01/88

721

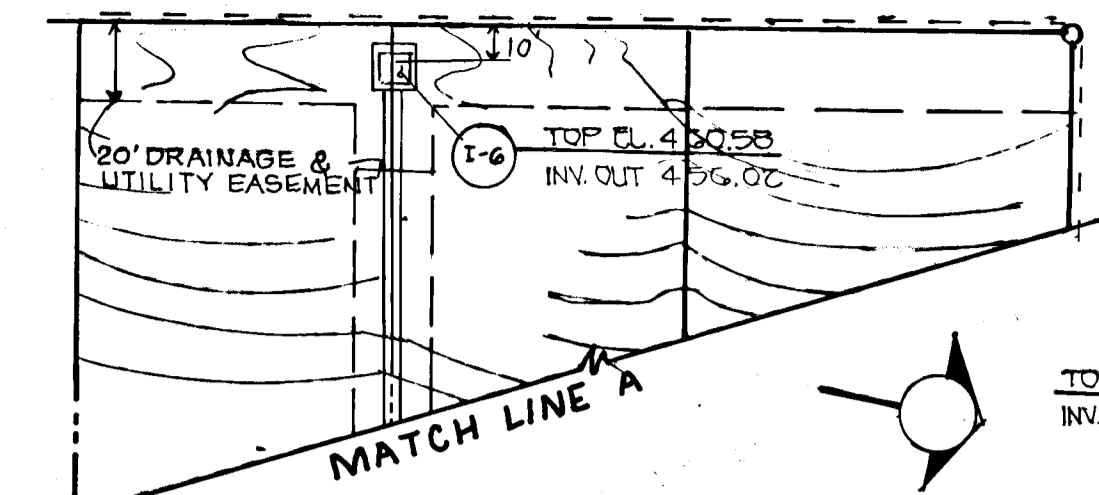
PORTMAN PLACE
STA. 0+170 TO 1+173.32

R = 370'
CRD = 102.99'
Δ = 16°00'00"
L = 103.32'
TAN = 52.00'

CHATEAU RIDGE
STA. 1+110 TO 3+174.2

R = 302.32
CRD = 223.7
Δ = 43°26'01"
L = 229.16
TAN = 120.39

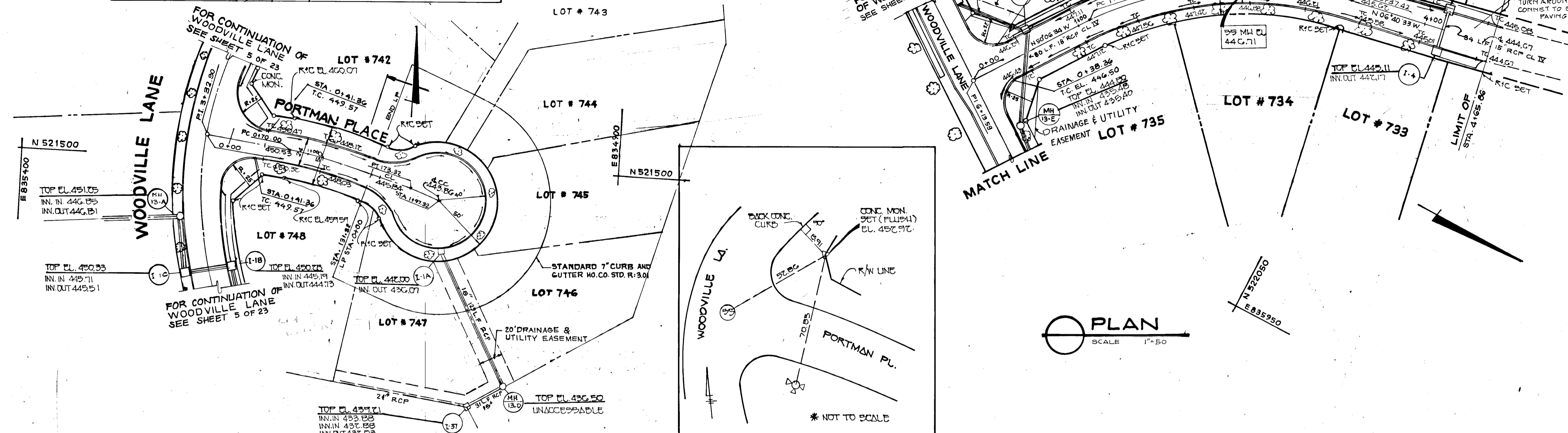
STORM DRAIN STRUCTURE SCHEDULE					
NO	TYPE	TOP EL.	INV. IN	INV. OUT	LOCATION
I-4	A-5 INLET	NO. CO. SD-4.01	445.14	441.22	STA. 4+21 ± OF CHATEAU RIDGE RD. CHATEAU RIDGE
I-5	A-10 INLET	NO. CO. SD-4.02	445.14	440.68	STA. 4+21 ± OF RD. CHATEAU RIDGE
MH13B	STD. 4	NO. CO. G-5.01	446.77	439.04	Q. MH 20' ± WEST OF RD. Q. STA. 2+74.5 ± OF CHATEAU RIDGE RD.
I-6	D INLET	NO. CO. SD-4.11	461.15	456.75	Q. INLET 10' FROM P. CHATEAU RIDGE
MH13C	STD. 4	NO. CO. G-5.01	447.82	438.12	Q. MH 20' ± WEST OF RD. Q. STA. 1+78 ± OF CHATEAU RIDGE RD.
I-2	A-10 INLET	NO. CO. SD-4.02	446.73	436.79	RD. Q. STA. 0+170 ± OF CHATEAU RIDGE RD.
I-3	A-10 INLET	NO. CO. SD-4.02	448.87	444.75	RD. Q. STA. 5+50 ± OF WOODVILLE DR.
MH13D	STD. 4	NO. CO. G-5.01	436.60	432.91	SEE PLAN & PROFILE
I-1A	A-10 INLET	NO. CO. SD-4.02	442.03	436.75	STA. 0+89.51 L.P. OF PORTMAN PLACE



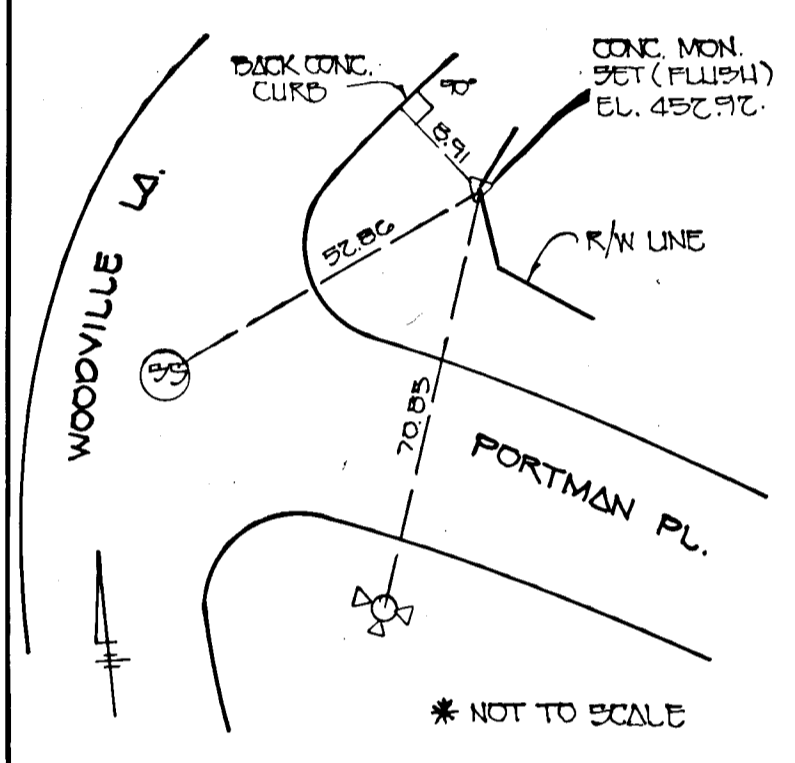
TOP EL. 443.87
INV. OUT 444.84

PLAN SURVEYED, PLOTTED, CHECKED, AND APPROVED BY: [Signature]

PROFILE SURVEYED, PLOTTED, CHECKED, AND APPROVED BY: [Signature]



PLAN
SCALE 1"=50'



* NOT TO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Paul D. DeLeon 7/13/89
CHIEF, LAND DEVELOPMENT DIVISION DATE

William P. Tso 7/16/89
CHIEF, BUREAU OF HIGHWAYS DATE

William P. Tso 7-20-89
CHIEF, BUREAU OF ENGINEERING DATE

OFFICE OF PLANNING & ZONING

Thomas J. Shaler 7/20/89
CHIEF, DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

REV. DATE	REV. NO.	REVISION DESCRIPTION
5-16-89		

BURLEIGH MANOR
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEVELOPER
ROSE / RICHMOND JOINT VENTURE

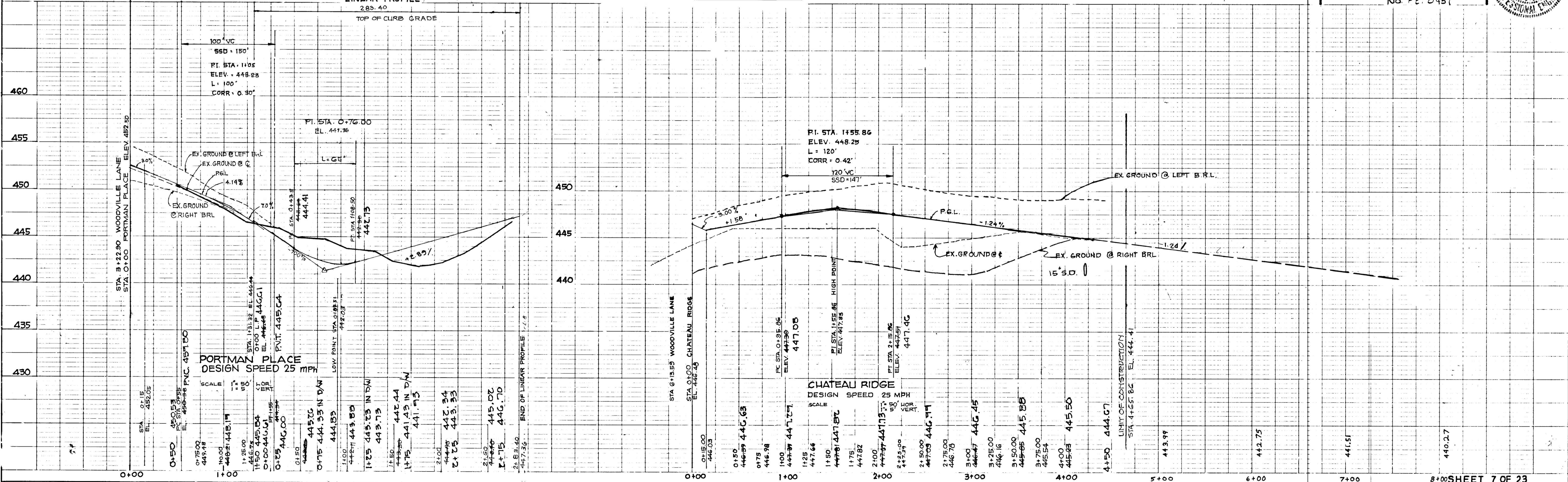
PROJECT AREA:
BURLEIGH MANOR SECTION 3 AREA 5

PROJECT TITLE:
PLAN & PROFILE
PORTMAN PLACE & CHATEAU RIDGE

SCALE: 1"=50' DATE 5-16-89

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
BALTIMORE, MARYLAND, 21218

Thomas J. Shaler
THOMAS J. SHALER
Registered Engineer
No. P.E. 8457



721



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

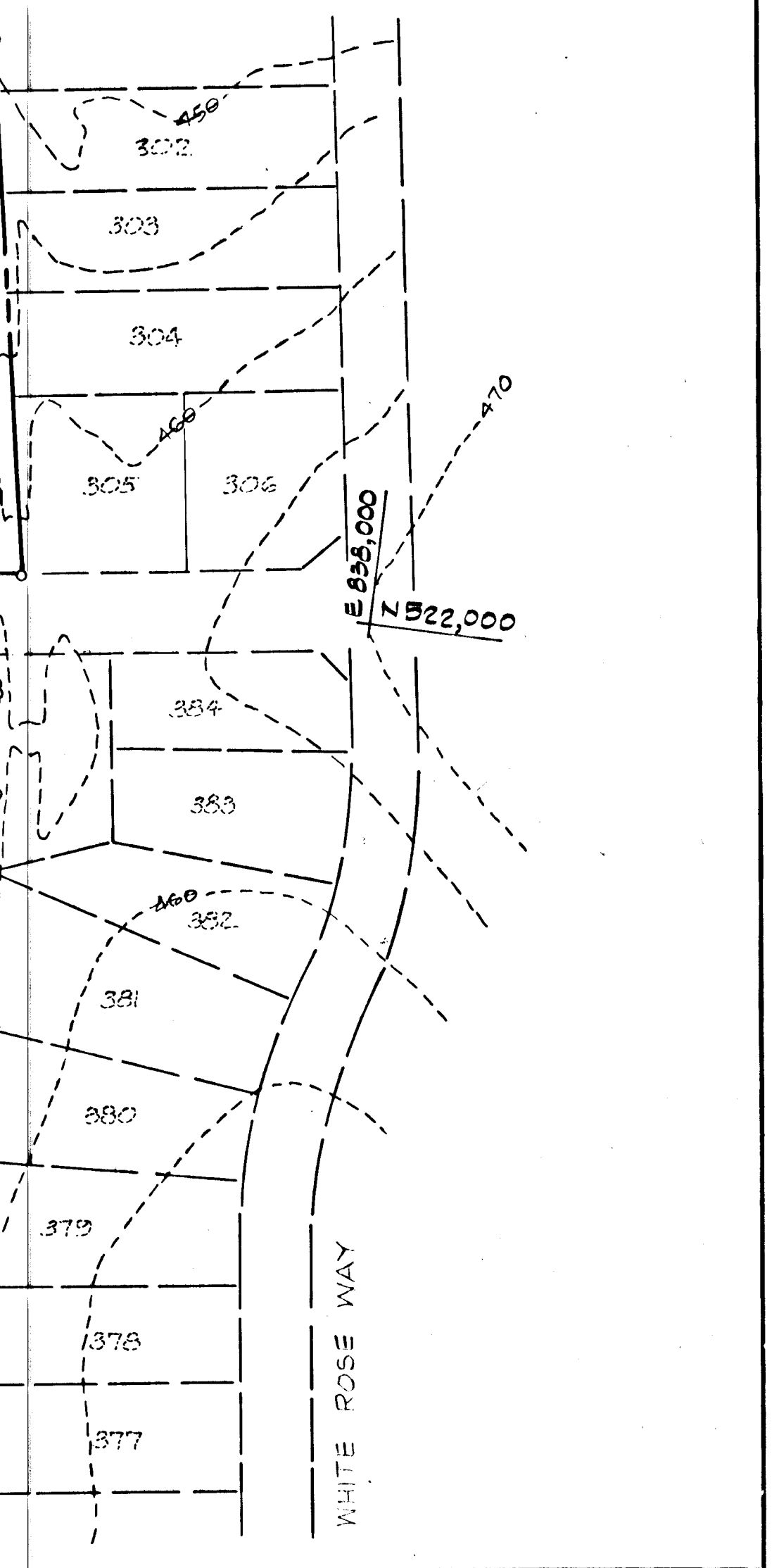
Paul D. Lopez 7/13/89
 CHIEF, PLANNING AND DEVELOPMENT DIVISION DATE

Dwight P. Potts 7/10/89
 CHIEF, BUREAU OF HIGHWAYS DATE

William E. Ray 7-20-89
 CHIEF, BUREAU OF ENGINEERING DATE

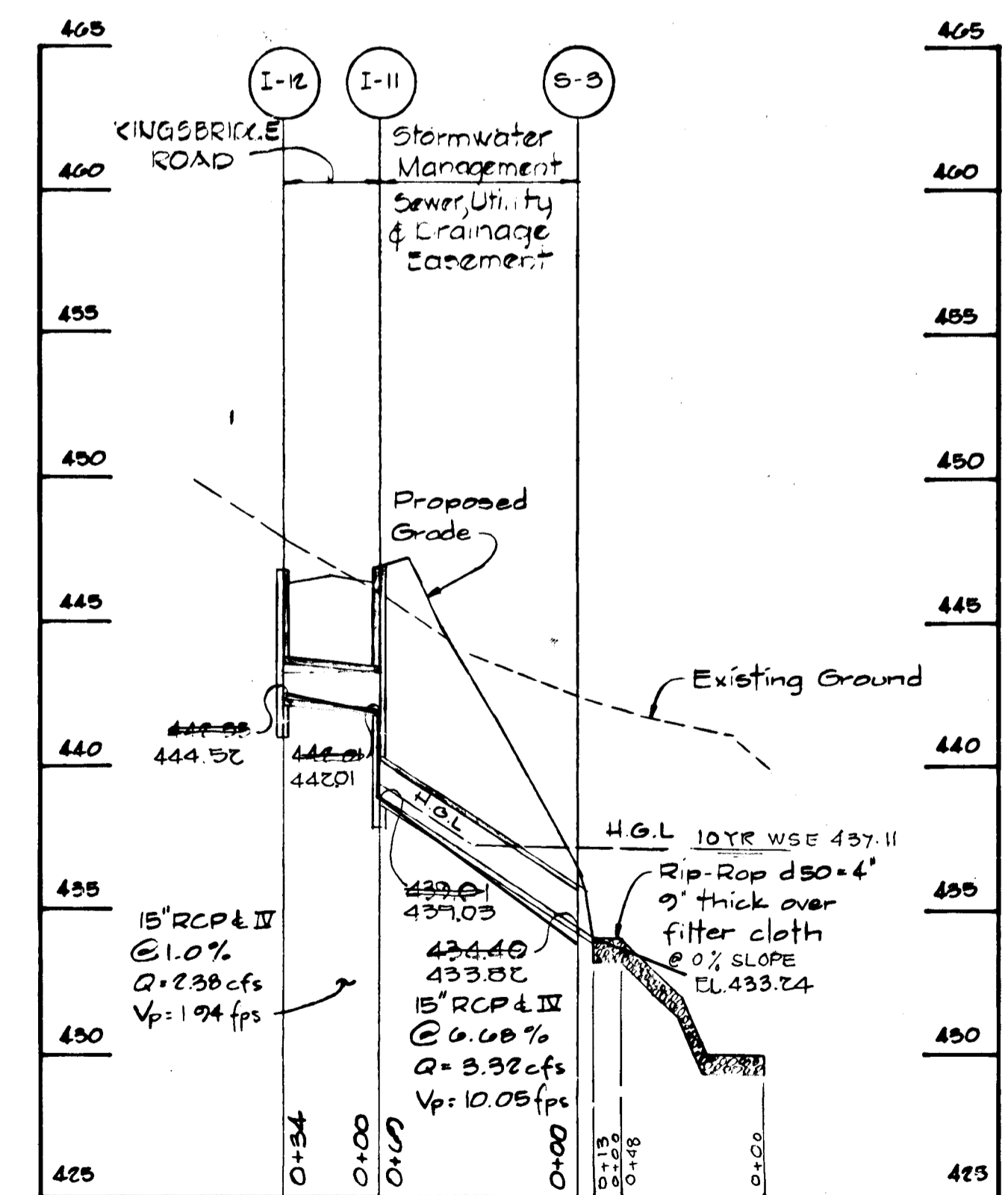
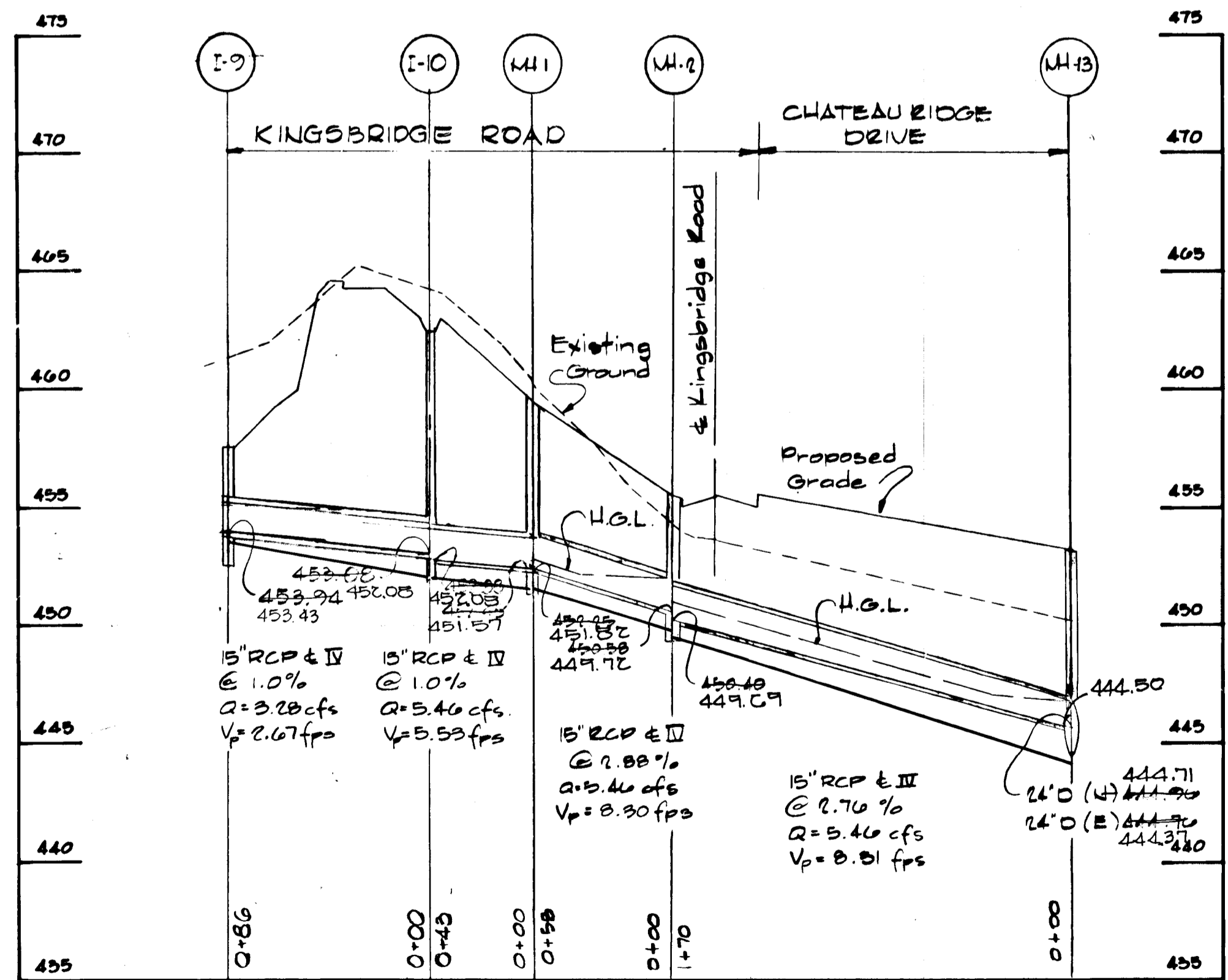
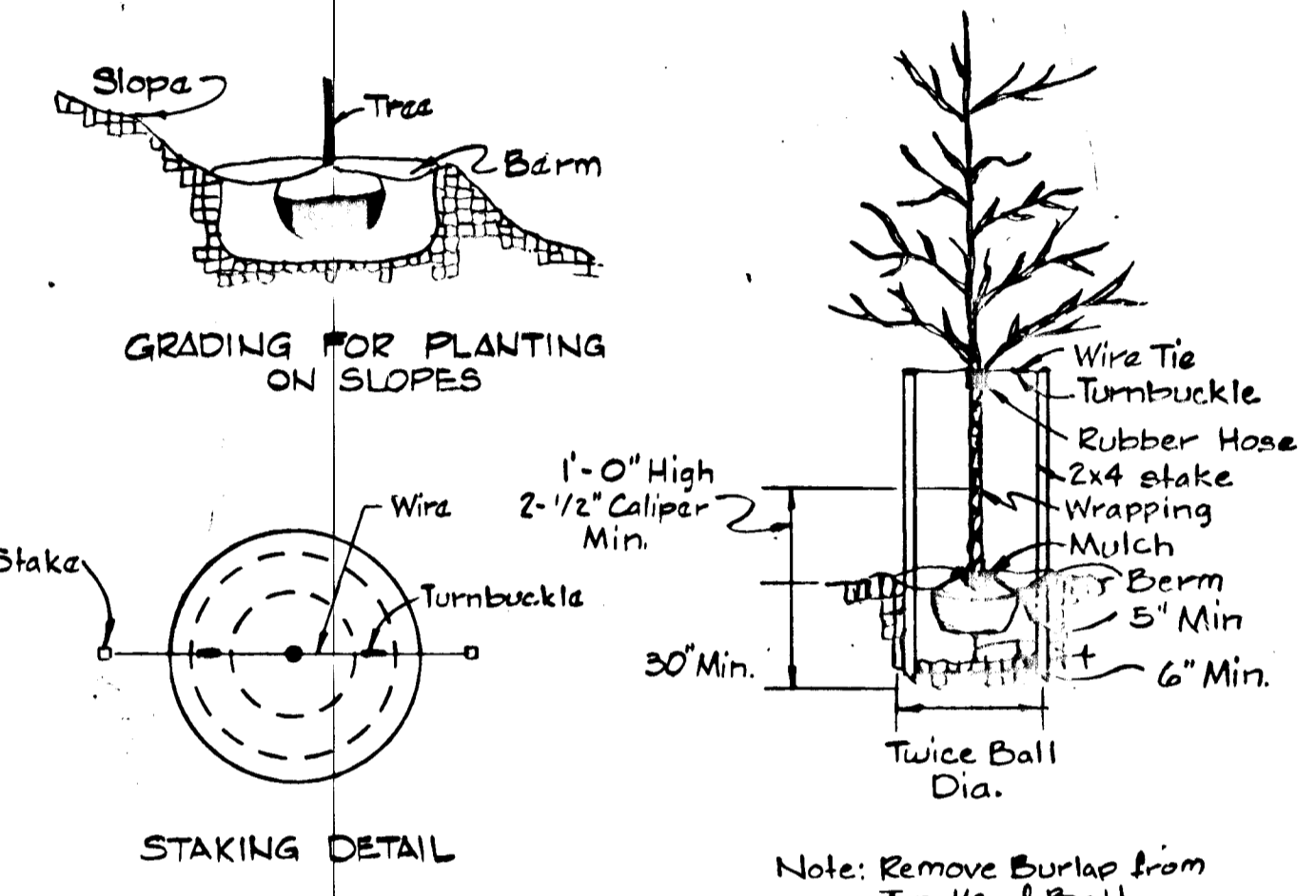
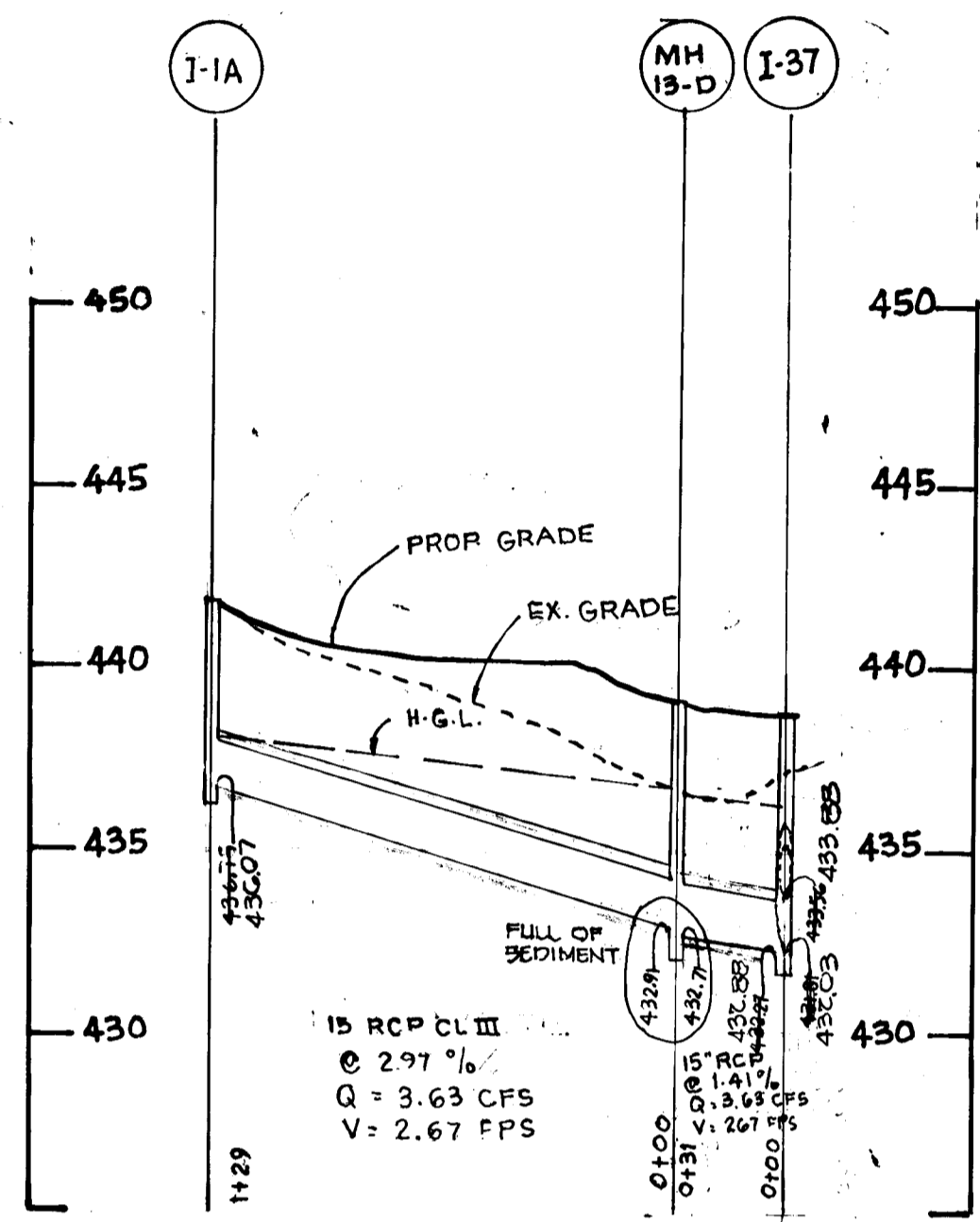
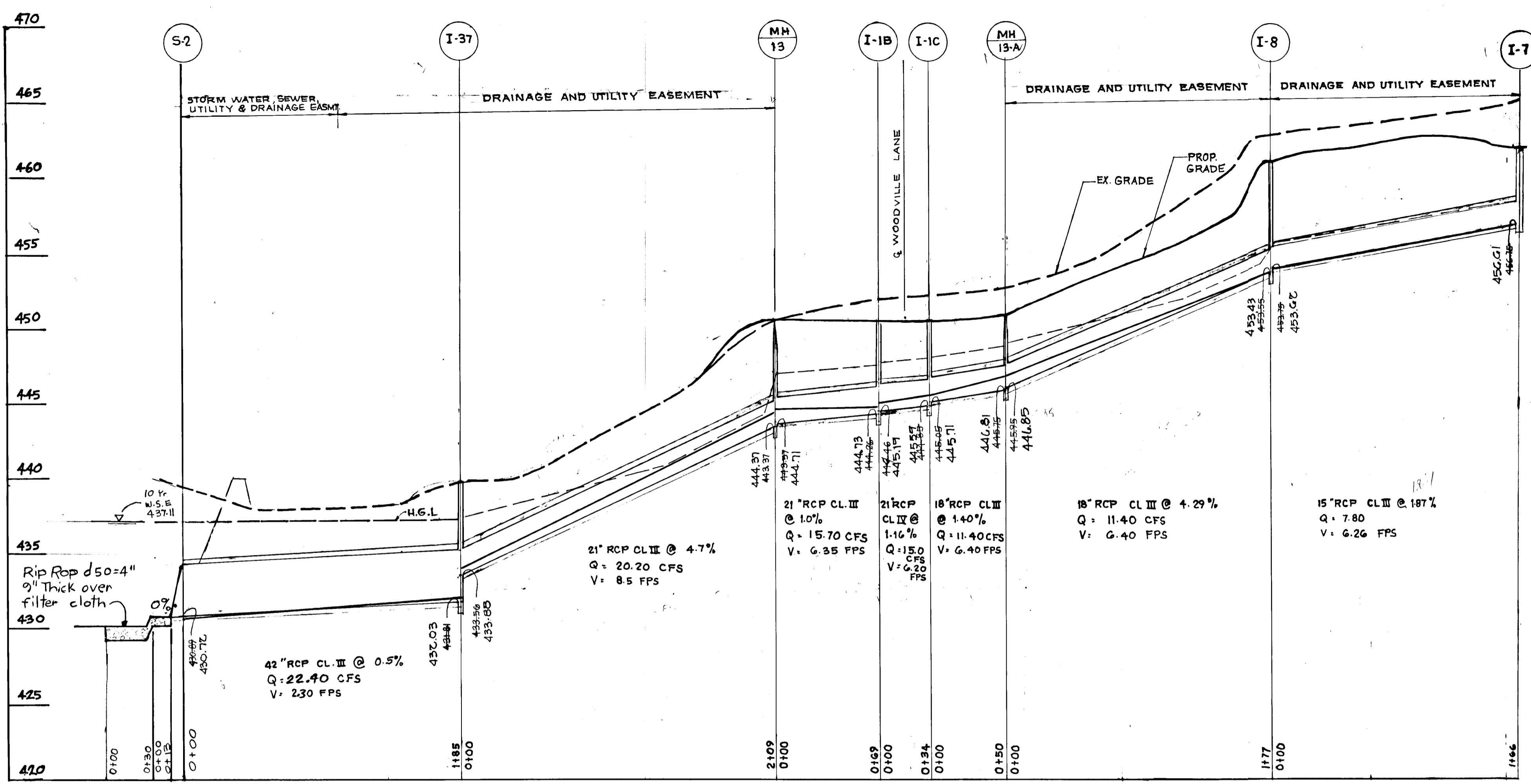
OFFICE OF PLANNING AND ZONING

Mark S. Langley 7/25/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



REV. DATE	REV. NO.	REVISION DESCRIPTION
BURLEIGH MANOR 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
DEVELOPER ROSE/RICHMOND JOINT VENTURE		
PROJECT AREA BURLEIGH MANOR SECTION 3 AREA 5		
PROJECT TITLE DRAINAGE AREA MAP		
SCALE: 1" = 100'		DATE 4/1/88
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS BALTIMORE, MARYLAND		
<i>Thomas J. Shaffer</i> Thomas J. Shaffer REGISTERED ENGINEER NO. #2457		

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Land Development Division 7/15/89
 DATE
 APPROVED: OFFICE OF PLANNING AND ZONING
 Chief, Division of Community Planning and Land Development 7/20/89
 DATE



5-16-89	REV. DATE	STORM DRAIN
	REV. NO.	REVISION
BURLEIGH MANOR		
2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
DEVELOPER ROSE/RICHMOND JOINT VENTURE		
PROJECT AREA BURLEIGH MANOR SECTION 3 AREA 5		
PROJECT TITLE STORM DRAIN PROFILES		
SCALE AS SHOWN		DATE 4/1/88
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS BALTIMORE, MARYLAND		
Thomas J. Shafer Registered Engineer No. 8457		

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

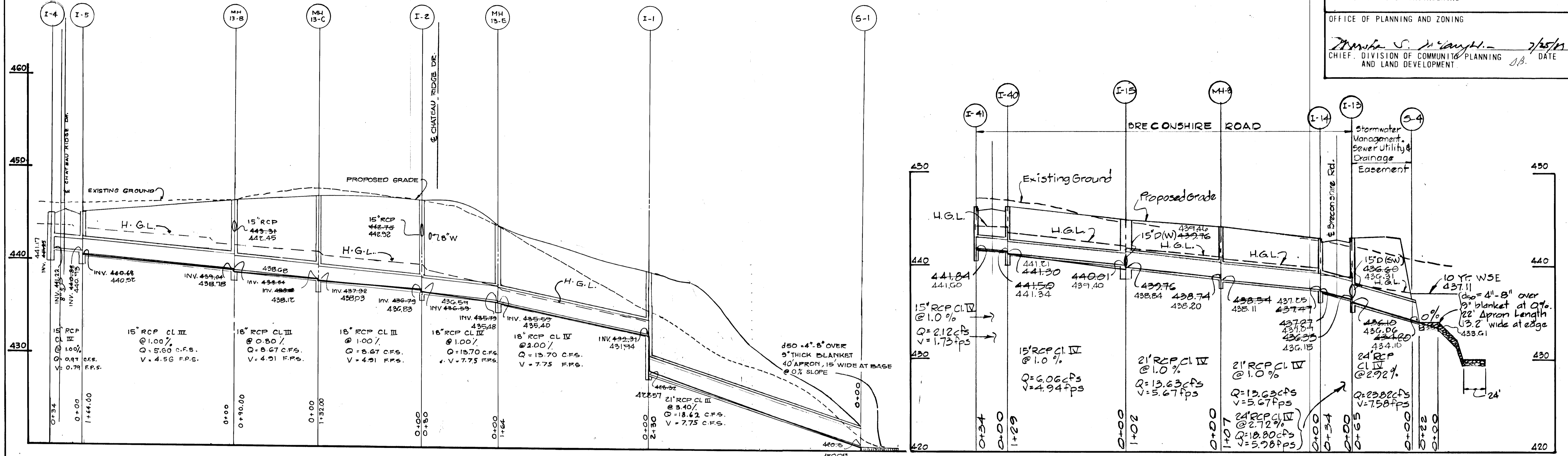
Richard J. ... 7/13/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

W. Weiland, P. E. 7/10/89
 CHIEF, BUREAU OF HIGHWAYS DATE

William S. Ray 7-20-89
 CHIEF, BUREAU OF ENGINEERING DATE

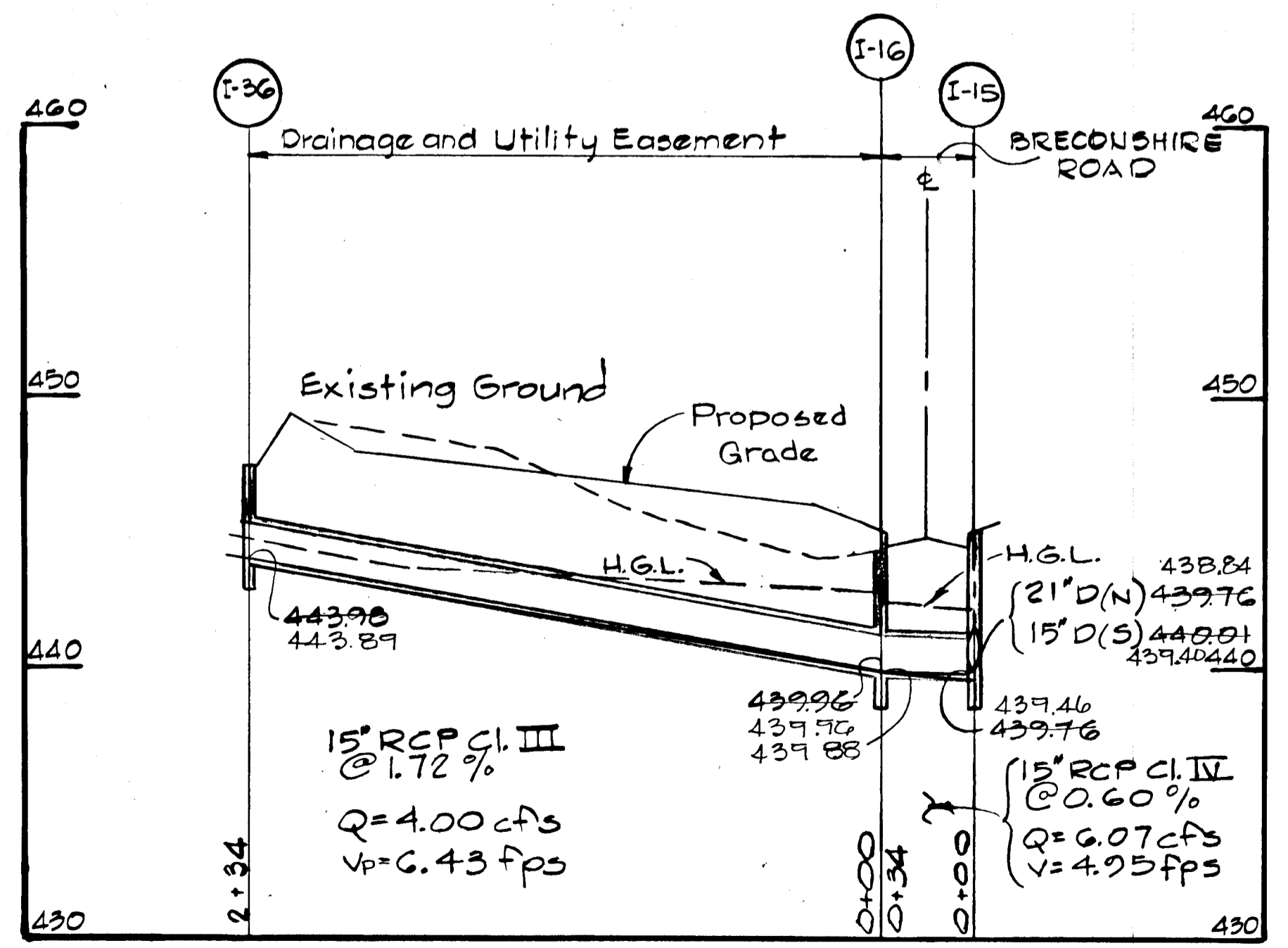
OFFICE OF PLANNING AND ZONING

Thomas S. Whitman 7/25/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

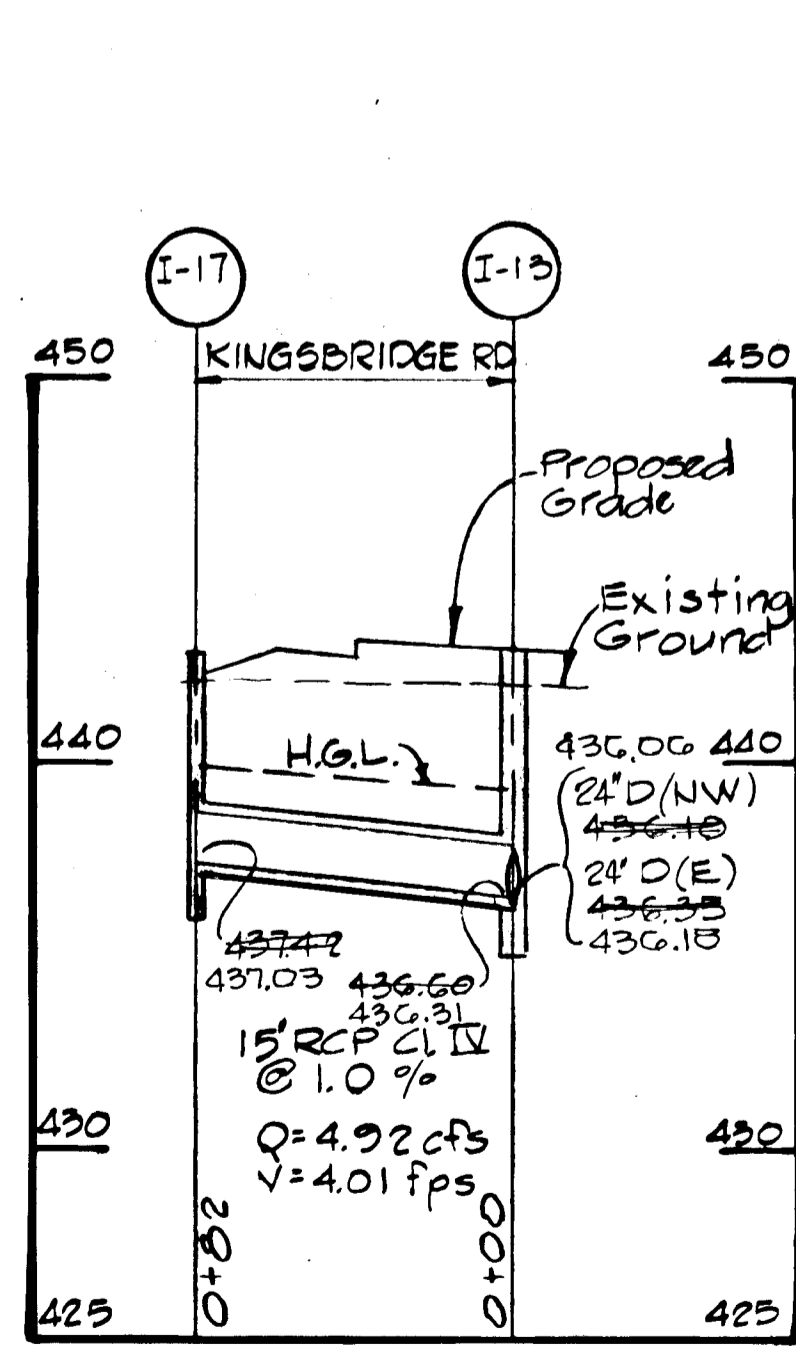


PROFILE
 SCALE: 1" = 50' H
 1" = 5' V

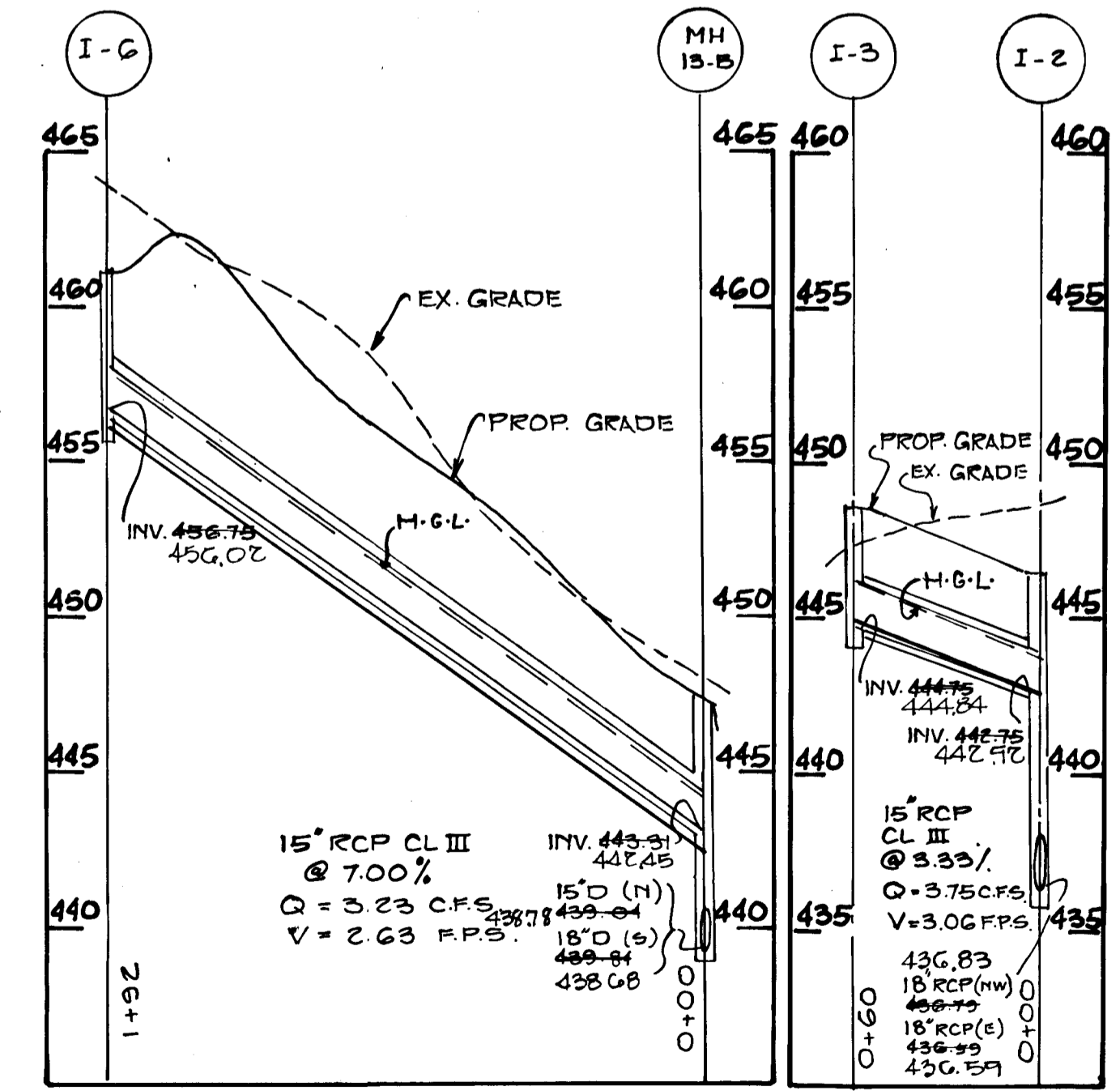
PROFILE
 Scale: 1" = 50' H
 1" = 5' V



PROFILE
 Scale: 1" = 50' H
 1" = 5' V

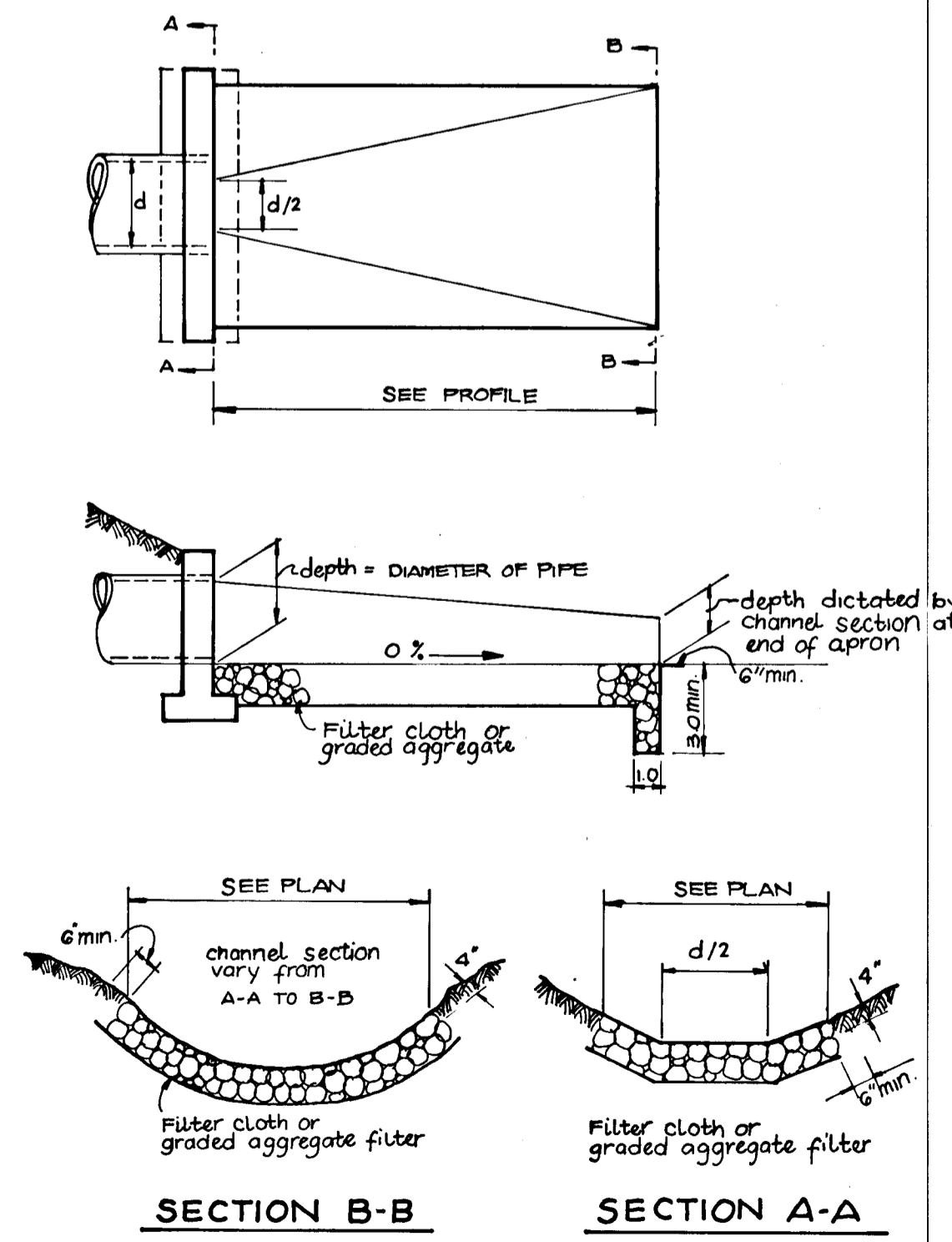


PROFILE
 Scale: 1" = 50' H
 1" = 5' V



PROFILE
 SCALE: 1" = 50' H
 1" = 5' V

PROFILE
 SCALE: 1" = 50' H
 1" = 5' V



RIP RAP OUTLET DETAIL
 NOT TO SCALE

AS-BUILT
 24 JAN 1989

REV. DATE	REV. NO.	REVISION DESCRIPTION
5-16-89	1	

BURLEIGH MANOR
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DEVELOPER
 ROSE/RICHMOND JOINT VENTURE

PROJECT AREA:
BURLEIGH MANOR
 SECTION 3 AREA 5

PROJECT TITLE:
 STORM DRAIN
 PROFILES

SCALE: AS SHOWN DATE: 5-16-89

WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND

Thomas J. Whitman
 THOMAS J. WHITMAN
 Registered Engineer
 No. PE. 8457

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

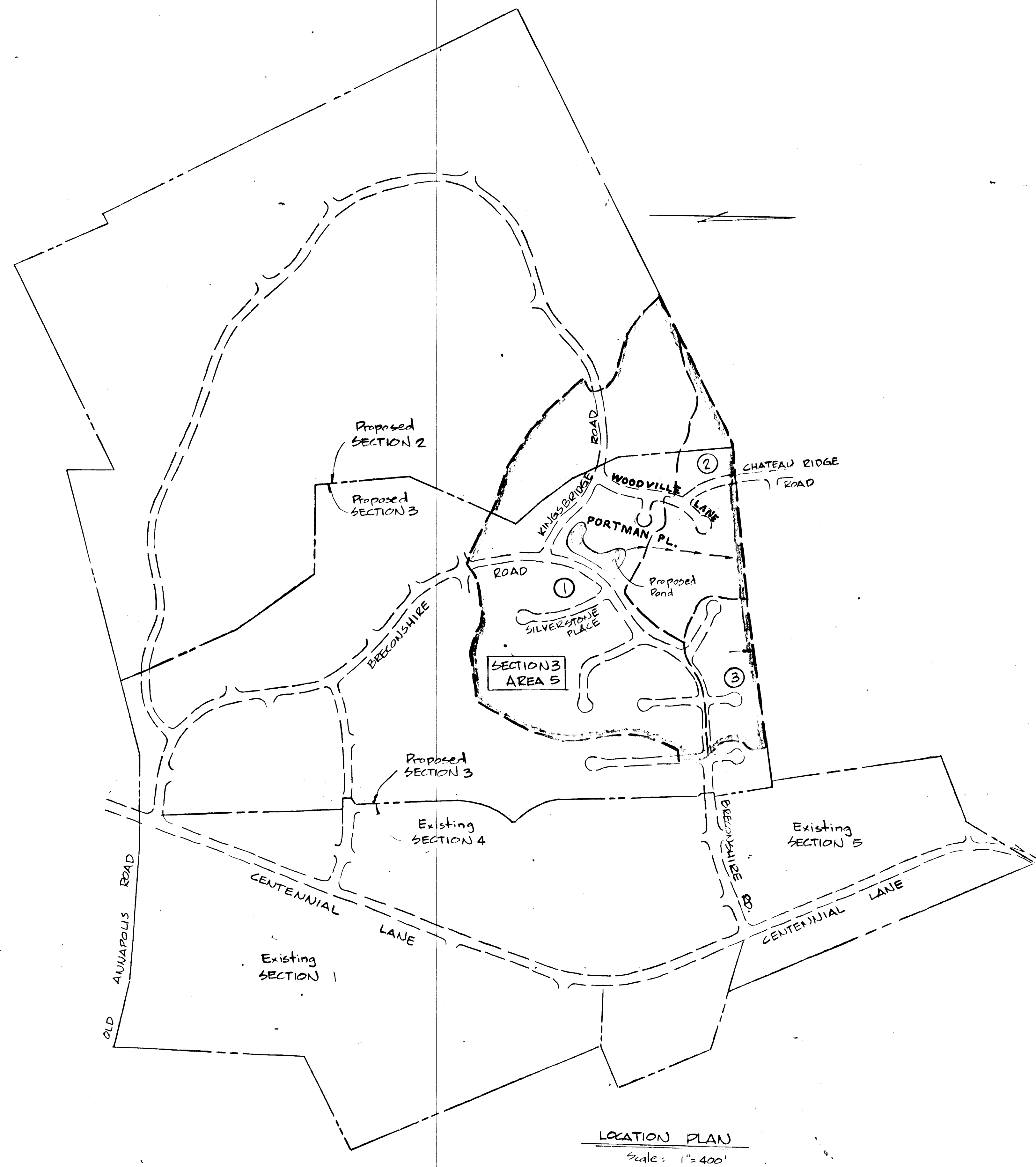
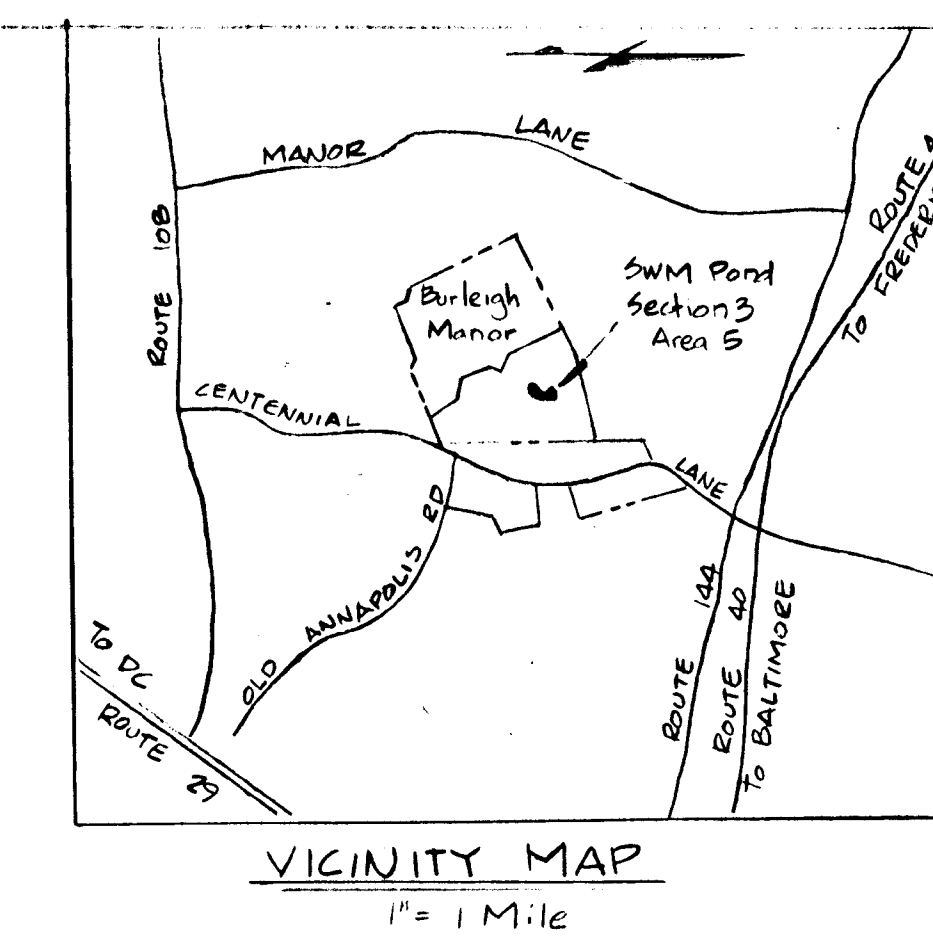
Paul J. Mason 7/15/89
 CHIEF LAND DEVELOPMENT DIVISION DATE

W. Wehler, P.E. TSO 7/10/89
 CHIEF BUREAU OF HIGHWAYS DATE

William E. Ray 7-22-89
 CHIEF BUREAU OF ENGINEERING DATE

OFFICE OF PLANNING AND ZONING

Marsha J. DeLough - 7/25/89
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT J.B. DATE



STORMWATER MANAGEMENT DATA

Storm	Stormwater Management Data @ Pond			Interim Stormwater Mngt. Data @ Pond (Phase I only)		
	Q _{in} (cfs)	Q _{out} (cfs)	Elev. (ft)	Q _{in} (cfs)	Q _{out} (cfs)	Elev. (ft)
2	47.6	2.48	434.76	50.3	2.7	435.10
10	120.6	15.4	437.11	124.5	18.4	437.23
100	239.6	113.7	438.47	237.7	118.7	438.51

Storm	Stormwater Management Data @ Design Point			Interim Stormwater Mngt. Data @ Design Point (Phase I only)		
	Q _{in} (cfs)	Q _{in} (cfs)	Q _{in} (cfs)	Q _{in} (cfs)	Q _{in} (cfs)	Q _{in} (cfs)
2	32.1	26.5	32.1	32.1	17.1	32.1
10	116.9	67.9	116.9	116.9	50.4	116.9
100	250.6	132.6	250.6	250.6	120.5	250.6

Miscellaneous Data

Total Drainage Area - Predevelopment	92.6 Ac
Total Drainage Area - Postdevelopment	91.8 Ac
Drainage Area to Pond only	65.2 Ac

- SHEET INDEX**
- 1 Cover
 - 2 Plan
 - 3 Profiles & Details
 - 4 Notes
 - 5 Sed. Cont. Notes & Details

5-16-89 REV. DATE	1 REV. NO.	REVISION DESCRIPTION
		BURLEIGH MANOR 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
		DEVELOPMENT ROSE/RICHMOND JOINT VENTURE
		BURLEIGH MANOR SECTION 3 AREA 5
		STORMWATER MANAGEMENT 3,5
		AS SHOWN 4-1-88

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.

APPROVED: *James M. Nelson* 6/6/89
 HOWARD S.C.D. DATE

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

APPROVED: *Stephen P. Shuler* 6/6/89
 HOWARD S.C.D. DATE

CERTIFICATION BY THE DEVELOPER

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS. AS ARE DEEMED NECESSARY DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN 30-DAYS OF COMPLETION."

David L. Carney
 DAVID L. CARNEY

5-25-89 DATE

CERTIFICATION 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 MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN 30-DAYS OF COMPLETION."

Thomas J. Shaper
 THOMAS J. SHAPER NO. PE. 8457

5-25-89 DATE

WHITMAN, REQUART AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND

Thomas J. Shaper
 THOMAS J. SHAPER
 Registered Engineer
 No. PE. 8457

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 THOMAS J. SHAPER
 No. PE. 8457