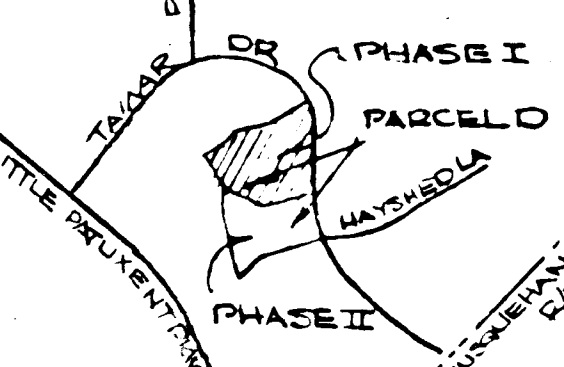


Bench Mark - Elev. 400.27
 a cut in steel facing of catch basin,
 west side of Tamar Drive at N.E.
 corner of Parcel 'D'



VICINITY MAP
 SCALE 1" = 200'

VILLAGE OF LONG REACH
 SECTION I, AREA 1
 SHEET 10 OF 23

PROVIDE 40'±
 MD 202 4 I
 WIDENING ADDRESS
 STREAM 1/4
 OPPOSITE BANK

SECTION A: ENTRANCE DRIVE
 (NO SCALE)

TYPICAL SECTION - PARKING LOT
 (NO SCALE)

TYPICAL SIDEWALK CURB AND PAVING SECTION
 (NO SCALE)

- LEGEND**
- EXISTING CONTOURS ———
 - FINISHED CONTOURS ———
 - FIRST FLOOR ELEV. FF 405.21
 - TERACE FLOOR ELEV. TER 306.00
 - SITE ELEVATION +20'
 - DIRECTION OF DRAINAGE
 - CONCRETE WALK
 - RETAINING WALLS

- NOTES**
- (1) ALL DISTURBED AREAS TO BE SOILED OR SEED TO PREVENT SOIL EROSION
 - (2) ALL DRAINAGE SWALES TO BE TAMPED ROLLED AND SLOTTED
 - (3) ALL INTERIOR STREETS TO BE PRIVATE
 - (4) LAUNDRY FACILITIES TO BE PROVIDED IN EACH BUILDING

CERTIFICATION BY THE PROFESSIONAL ENGINEER
 I certify that the plan of development and the plan for control of silt and erosion meets the requirements, Standards and Specifications of the Howard Soil Conservation District.
Carl L. Pulverly
 SIGNATURE DATE 4-24-72

CERTIFICATION BY THE DEVELOPER
 I certify that all development and/or construction will be done according to this Plan of Development and Plan of Silt and Sediment Control.
 SIGNATURE DATE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 Reviewed: *[Signature]* DATE 4/10/72
 Approved: *[Signature]* DATE 4/10/72
 HOWARD SOIL CONSERVATION DIST.

UNIT TABULATION					
BUILDING NO.	1BR	2BR	3BR	UNITS	GROSS AREA IN SQ. FEET
1	21	21	4	42	32,015
2	4	4	4	12	5,300
3	12	12	4	24	20,580
4	6	6	4	16	7,950
5	4	4	4	12	5,300
6	28	4	4	36	26,236
7	4	4	4	12	5,300
8	12	12	4	24	20,580
9	4	4	4	12	5,300
10	6	6	4	16	7,950
11	6	6	4	16	7,950
12	8	8	4	20	10,600
TOTALS	45	73	42	160	159,061

SITE ANALYSIS

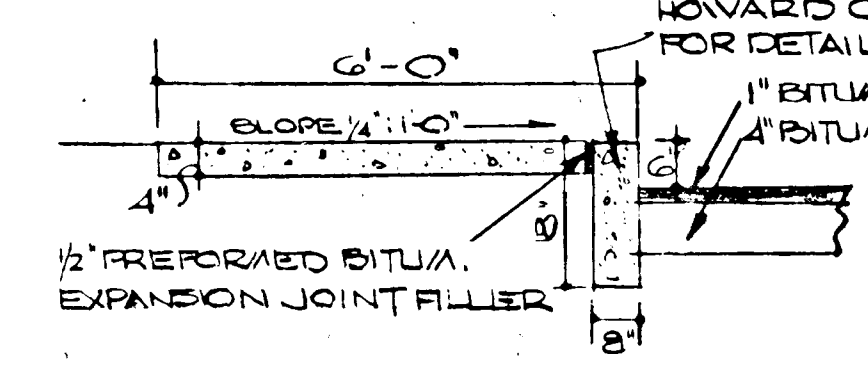
TOTAL AREA OF SITE 16,225 AC
 SECTION I 10,225 AC
 SECTION II 5,175 AC

UNIT COUNT
 ALLOWABLE 160
 PROVIDED 160

COVERAGE
 ALLOWABLE (30%) 144,117 sq ft
 PROVIDED (30%) 111,020 sq ft

PARKING
 REQUIRED (1/2:1 RATIO) 240
 PROVIDED 240

ZONING NEWTOWN (APTS)



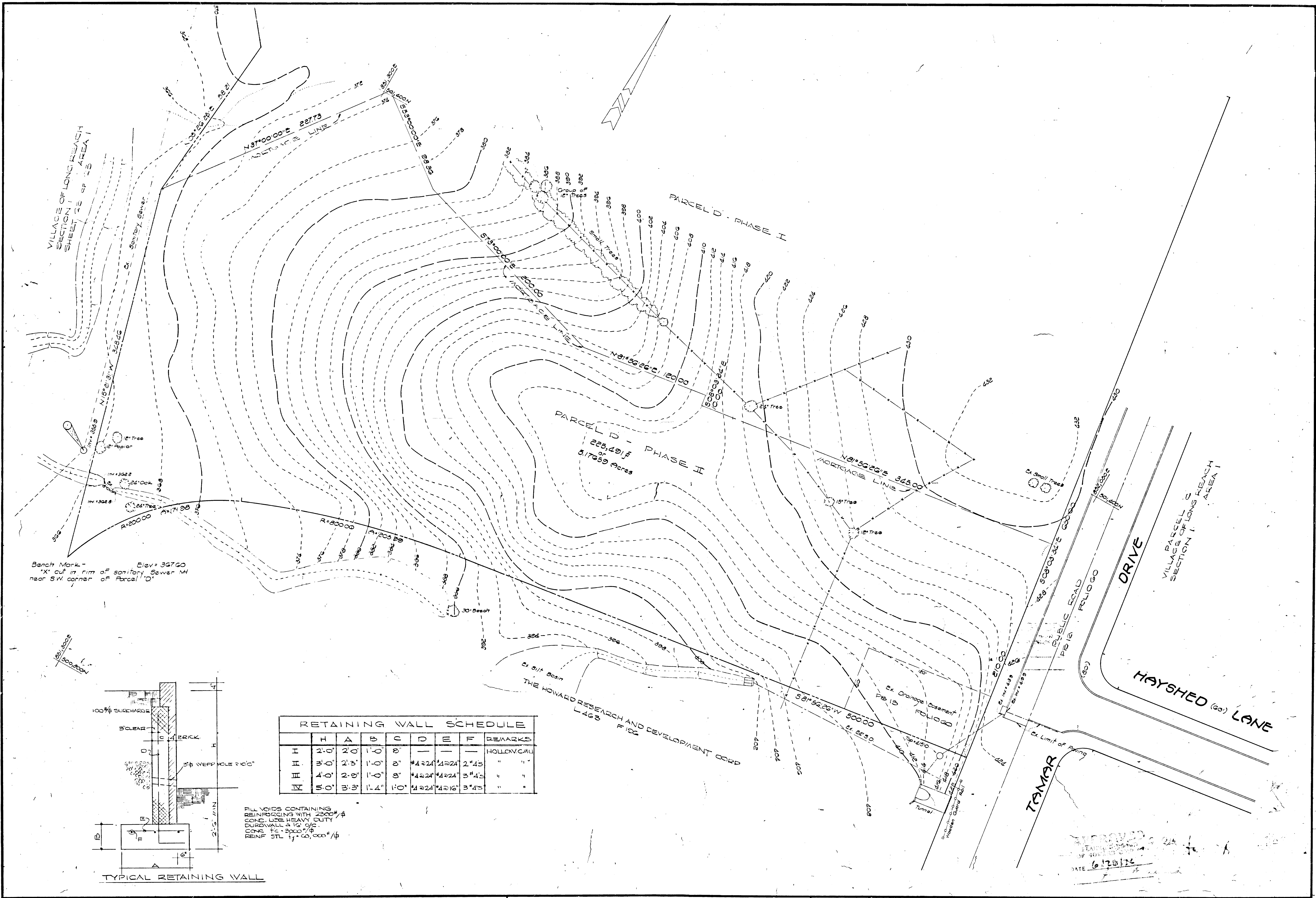
COLLINS & KRONSTADT code 301
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TAX MAP PARCEL

VILLAGE OF LONG REACH - 6th ELECTION DISTRICT
 PARCEL 'D' SECTION I, AREA 1 PLAT 1900K 13 ROLLIO 60
 FINAL DEVELOPMENT PLAN PHASE II FB 19 POLICIES 501072 COLUMBIA MD

DATE 7/10/72

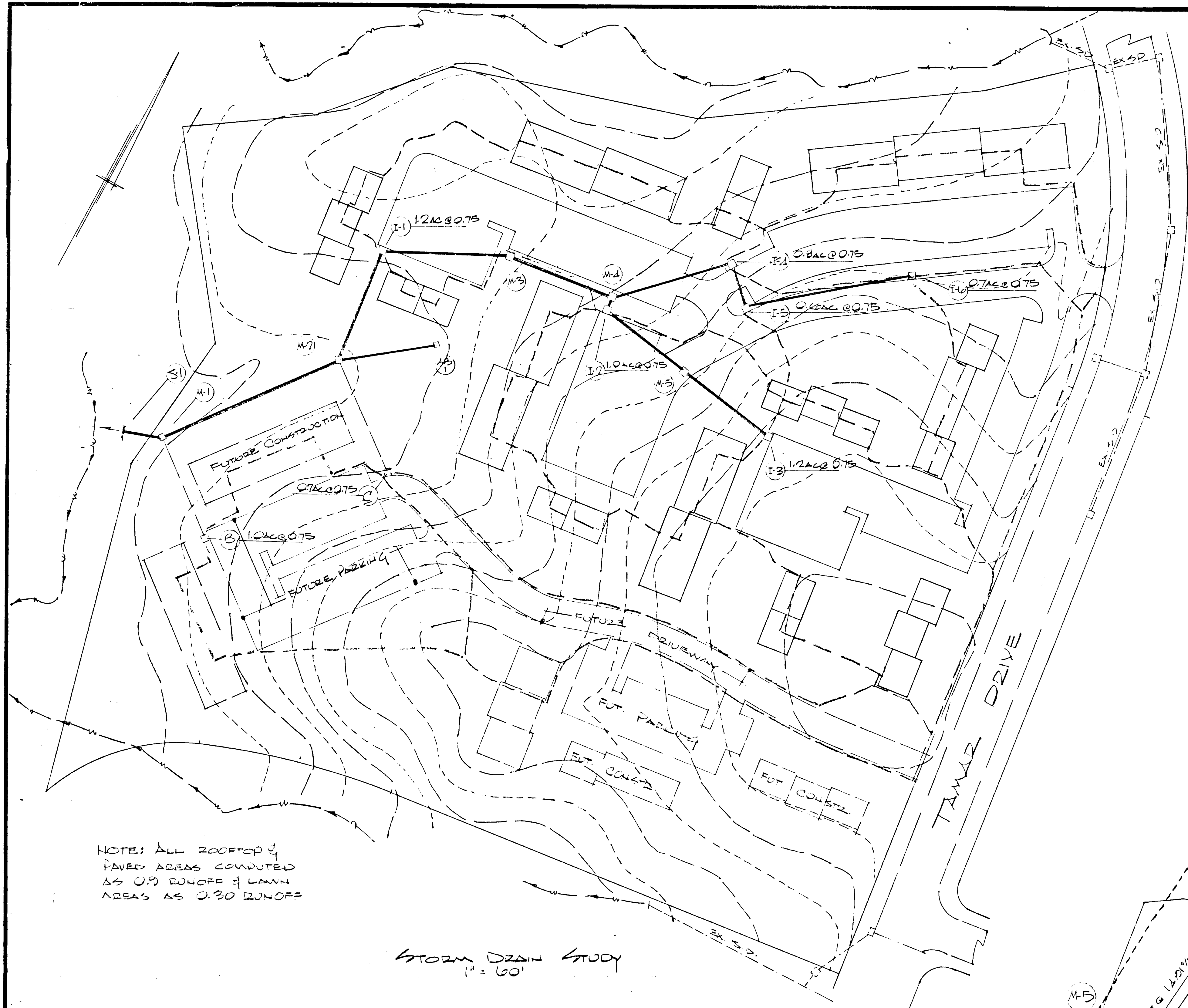


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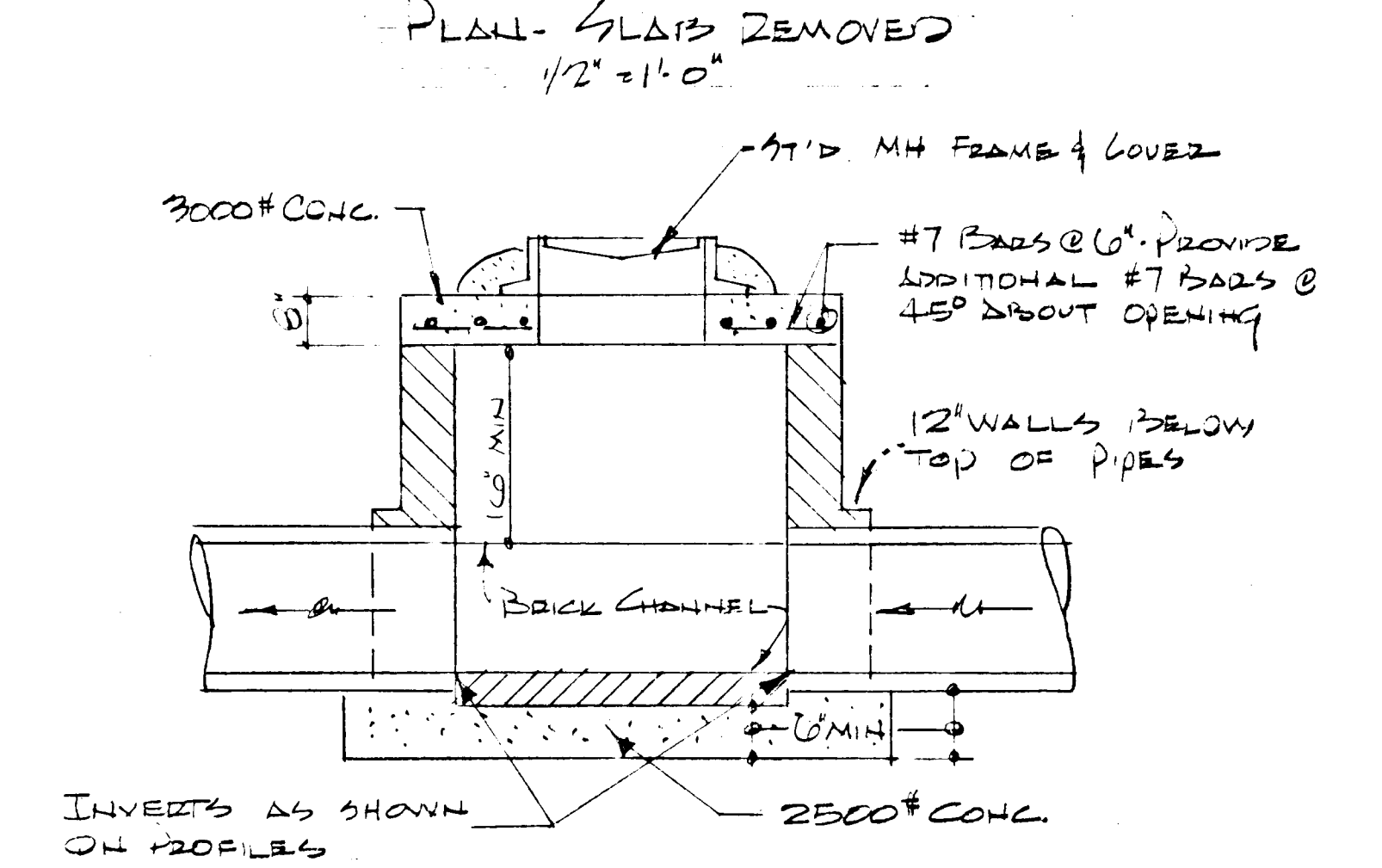
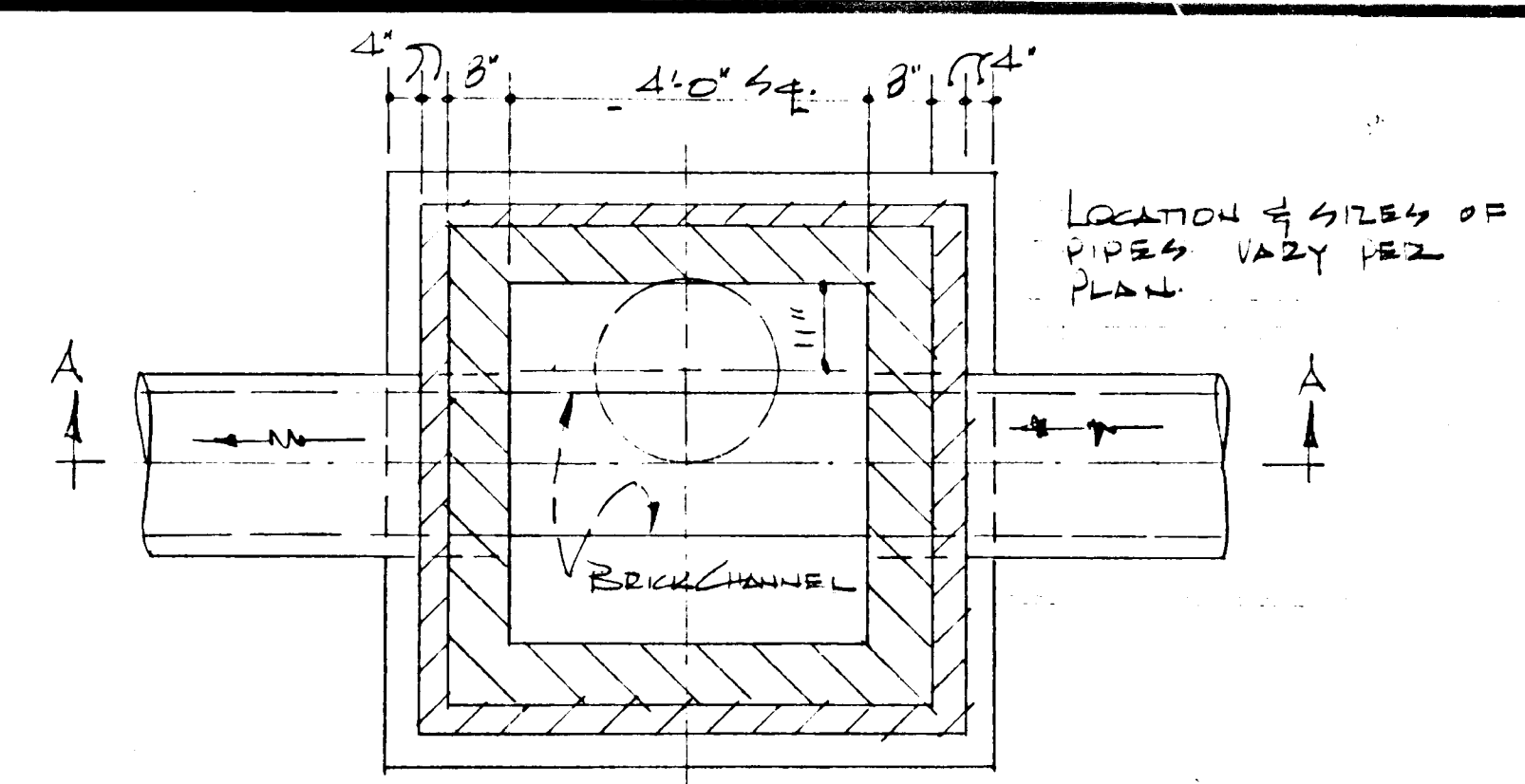
SITE GRADING PLAN
 PARCEL D - PHASE II SECTION 1, AREA 1
 6TH ELECTION DISTRICT, PLAT BOOK 18, FOLIO 60
 HOWARD COUNTY, MARYLAND

DATE APRIL 1972 1" = 30'



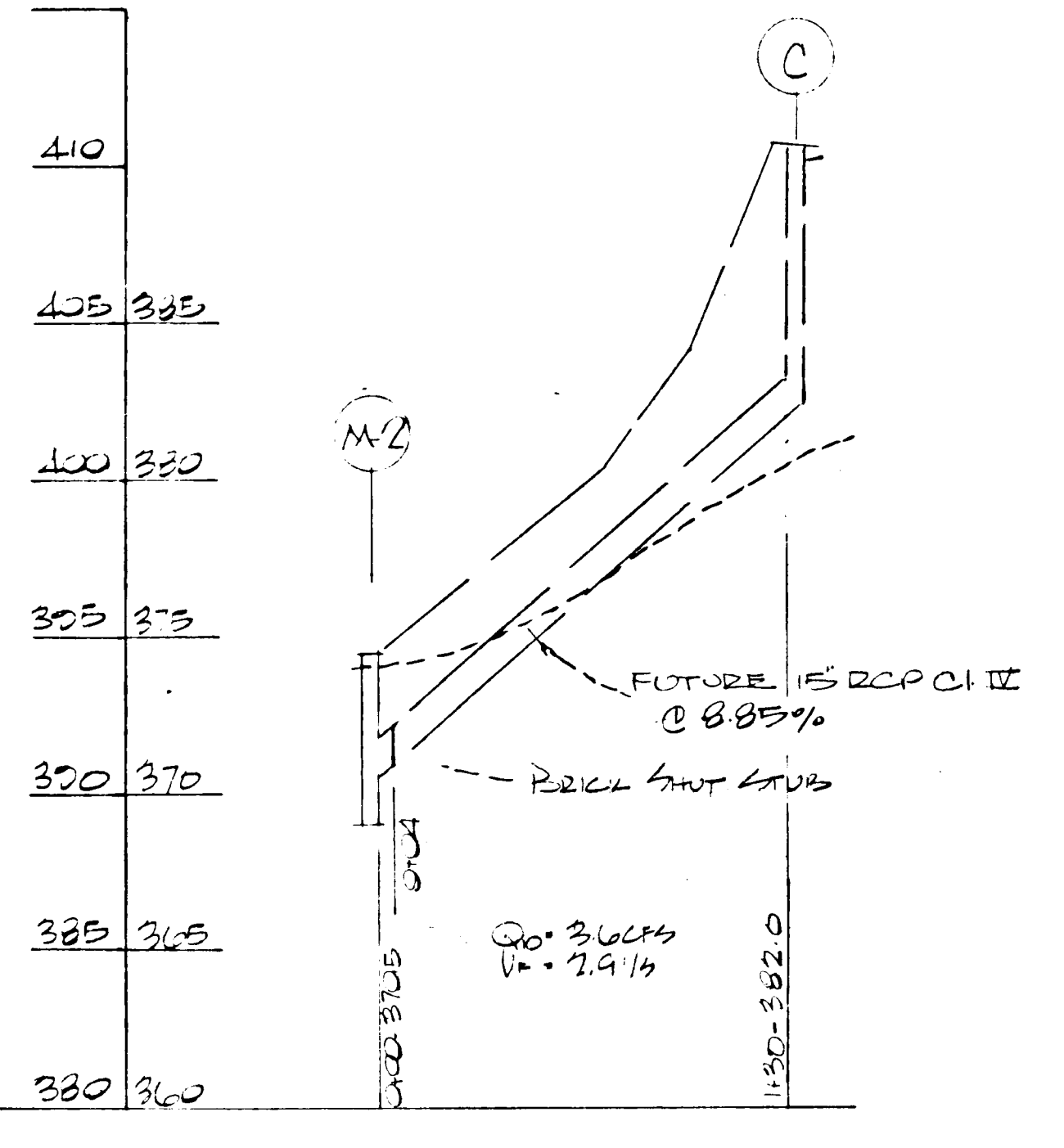
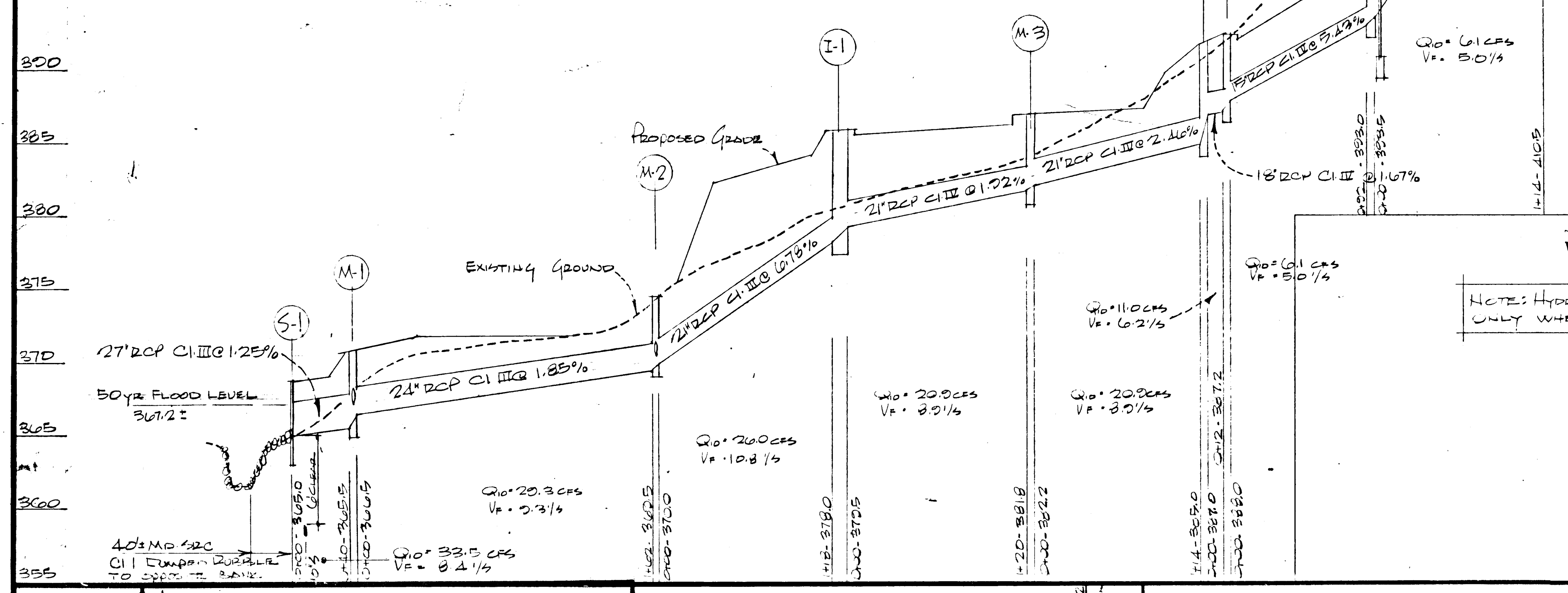
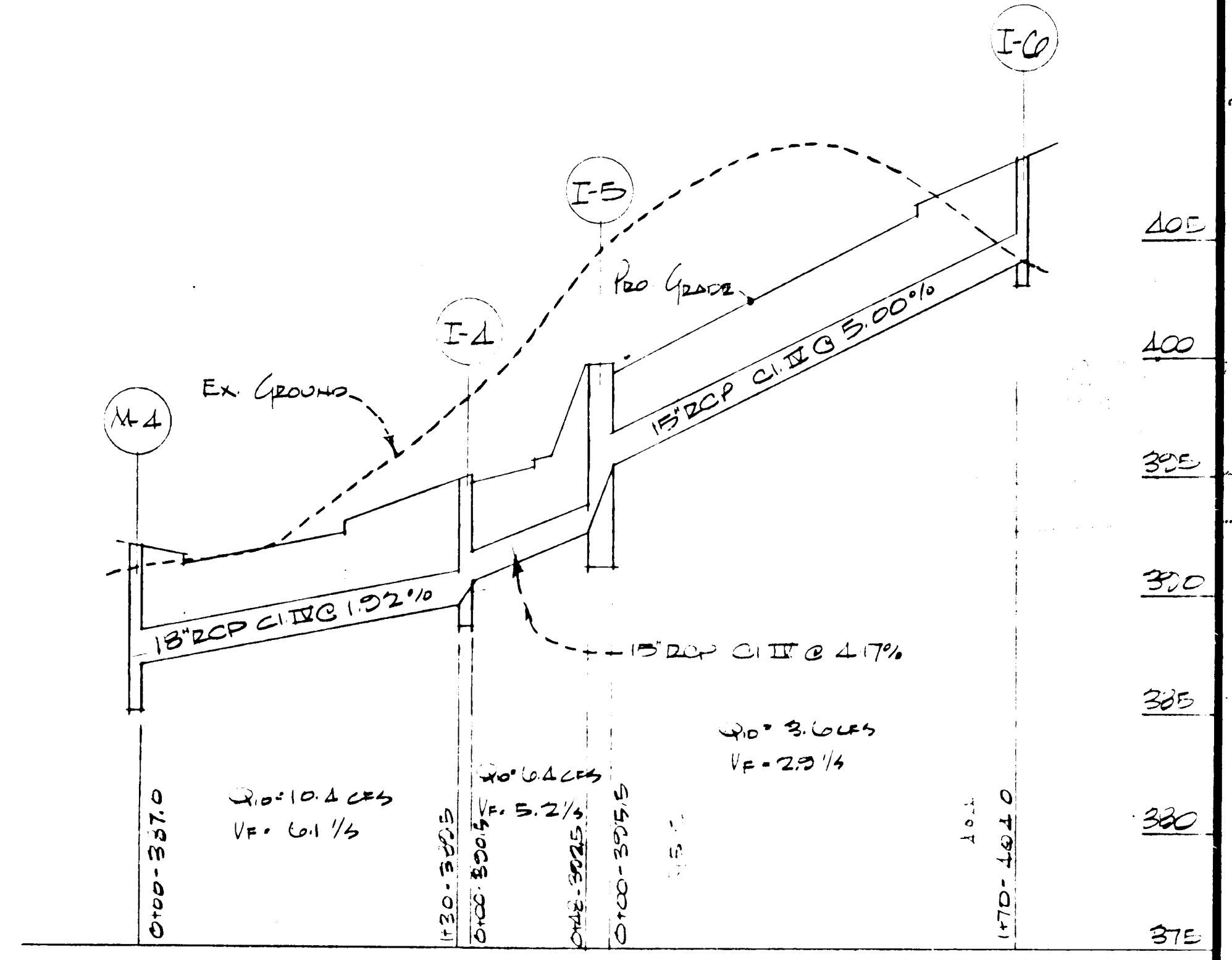
NOTE: ALL ROOFTOP & PAVED AREAS COMPUTED AS 0.9 RUNOFF & LAWN AREAS AS 0.30 RUNOFF

STORM DRAIN STUDY
1" = 60'

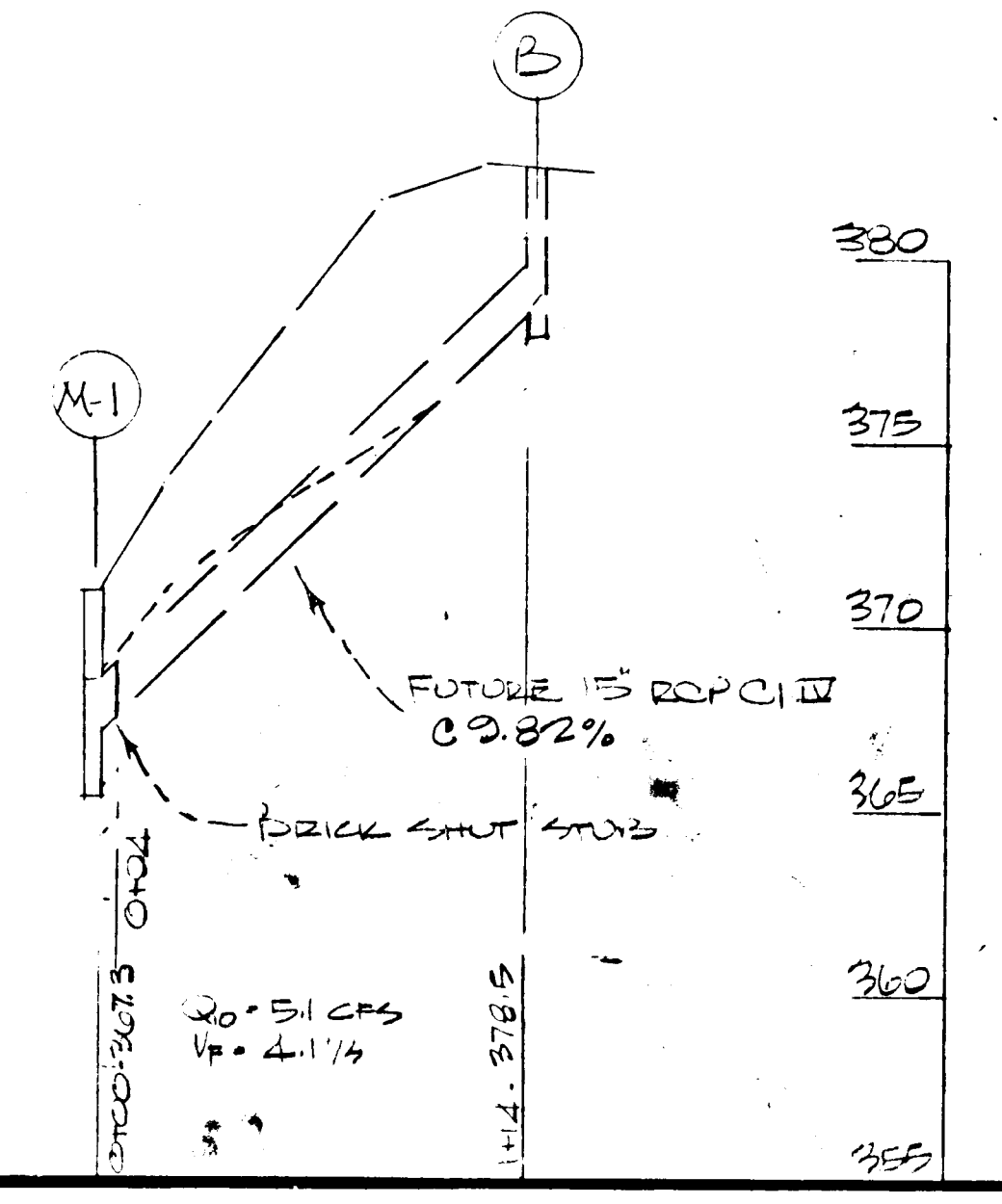


STRUCTURE SCHEDULE				
NO	TYPE	INVERT	TOP	TOP
I-1	HOWARD CO STD A10 INLET	375.0	378.0	385.8
I-2	HOWARD CO STD A10 INLET	380.0	387.2	392.3
I-3	HOWARD CO STD A10 INLET	---	410.5	414.0
I-4	HOWARD CO STD A10 INLET	390.5	393.5	394.0
I-5	HOWARD CO STD A10 INLET	389.5	392.5	393.5
I-6	HOWARD CO STD A10 INLET	---	404.0	408.5
M-1	SPECIAL - SEE DETAIL - 18\"/>			
M-2	"	387.2	390.5	371.5
M-3	"	387.2	391.5	387.0
M-4	"	387.0	389.0	392.0
M-5	"	388.0	388.0	387.5
S-1	MD STD STD CRESTAL (30\"/>			
S-1	MD STD STD SIDE CHAIN	---	*	*

PIPE SCHEDULE		
SIZE	TYPE	LENGTH
6"	C400 VOR	100'
15"	RCP CI II	482'
18"	RCP CI II	112'
21"	RCP CI II	113'
24"	RCP CI II	224'
27"	RCP CI II	102'



NOTE: HYDRAULIC GRADIENT SHOWN ONLY WHEN PIPES FLOW UNDER HEAD.

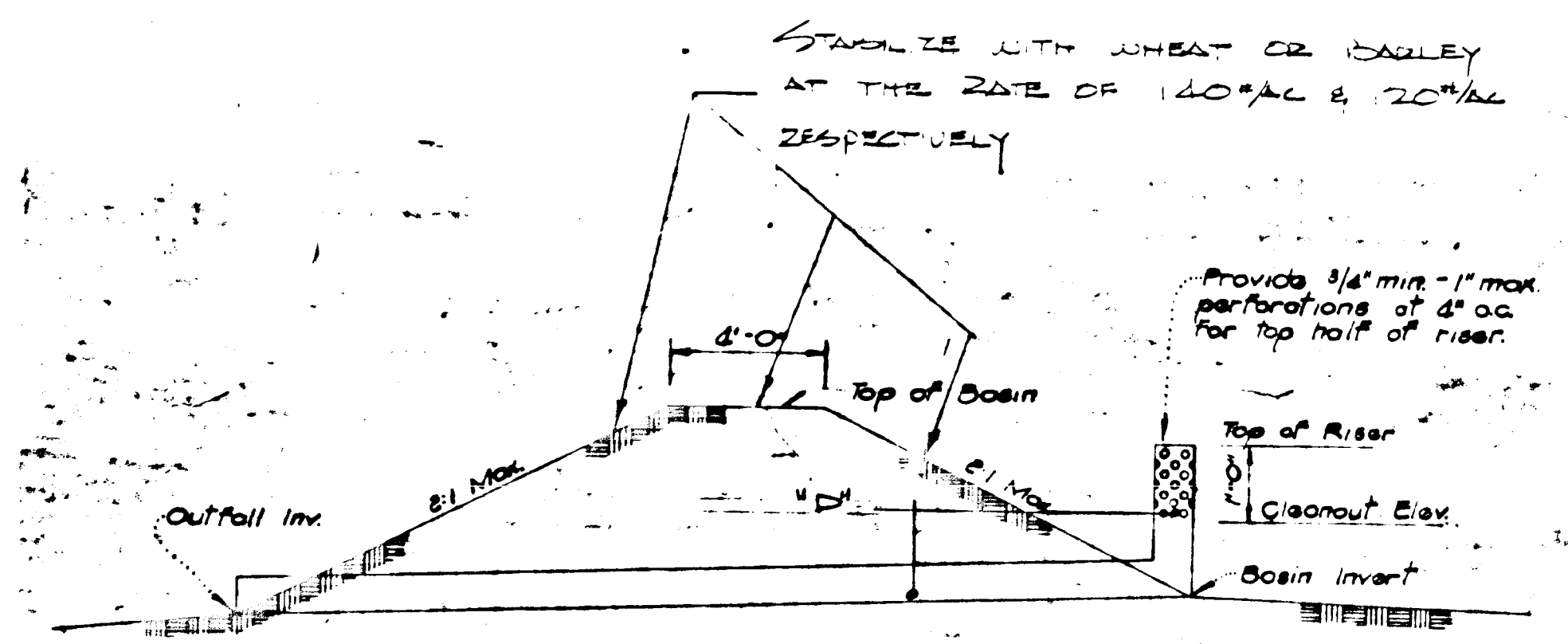


FILE NUMBER	
PLAN IDENTIFICATION	
APPLICANT'S NAME	
ADDRESS	
TELEPHONE NO.	
PROGRESS DATA CHART	DATE
DATE OF ORIGINAL SUBMISSION	INITIALS
REVISIONS	
REVISIONS RECD BY H.C.P.C.	
APPROVAL OF SITE PLAN	
BUILDING PERMIT APPLICATION RECD	
BUILDING PERMIT APPLICATION RECD	
USE & OCCUPANCY APPLICATION RECD	
USE & OCCUPANCY FIELD INSPECTION	
USE & OCCUPANCY PERMIT RELEASED	
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.	
COUNTY HEALTH OFFICER	
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING	
PLANNING DIRECTOR	
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS, ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.	
DIRECTOR	
CHIEF BUREAU OF HIGHWAYS	

SEYBOLT, GORE, NEWQUIST AND BERLINSKY
CIVIL ENGINEERS AND LAND SURVEYORS
1111 BONIFANT STREET
SILVER SPRING, MARYLAND 20910
589-1111

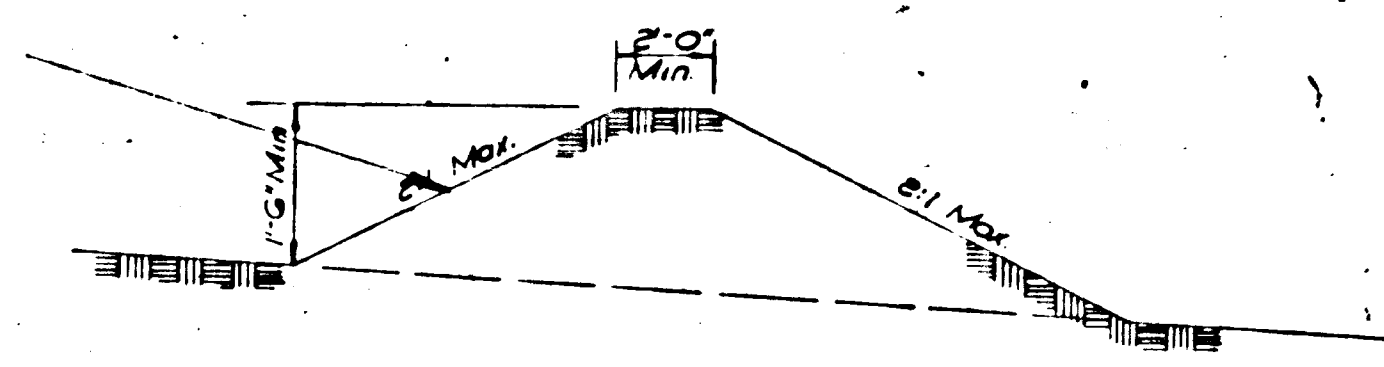
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STORM DRAIN STUDY, PROFILES & DETAILS
VILLAGE OF LONGLEACH - C&E SECTION DISTRICT
PARCEL 'D' PHASE I AREA 1 PLAT 200421 FOLIO 10
FINAL DEVELOPMENT PLAN PHASE 77 - P&ID FOLIO 5072 CDL, MD

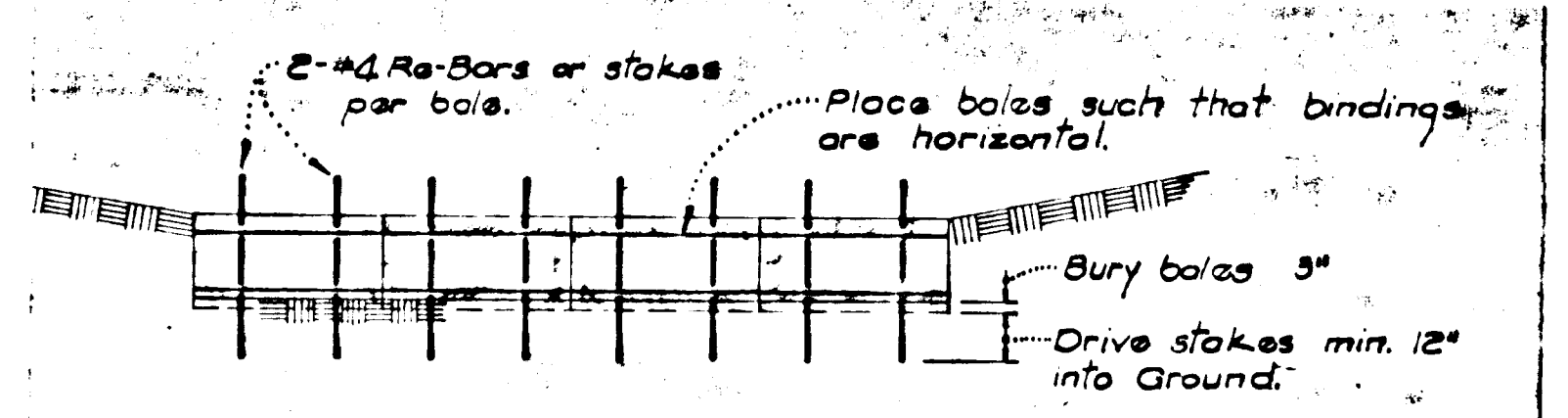


MINI-BASIN DETAIL
No Scale

MINI-BASIN TABLE							
Basin #	Top Basin	Top Riser	Basin Inv	Cur. Inv	Flowing Area	H ² O	VOLUME
							FEET
1	3300	3385	3355	3350	0.842	8'	544y
2	3810	3795	3765	3740	0.942	15'	460y



DIVERSION DIKE DETAIL
No Scale
(See Md. S.C.S. Std. D.D.-1)



DETAIL FOR STAKING STRAW BALES
No Scale

GENERAL NOTES

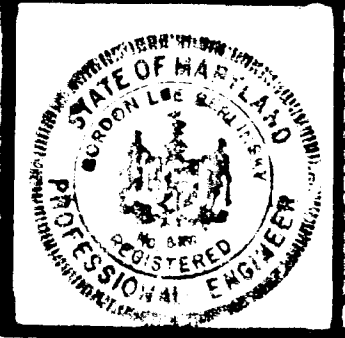
- All construction shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas.
- Control measures as shown herein are to be installed prior to any grading. The HOWARD SOIL CONSERVATION DISTRICT is to be notified 48 hours in advance of beginning construction.
- Sediment Basins shall be inspected periodically and maintained as required and/or as directed by the HOWARD SOIL CONSERVATION DISTRICT.
- Control Measures shown are to remain in place until their removal has been approved by the HOWARD SOIL CONSERVATION DISTRICT.
- Storm Drainage may be constructed, however all inlets are to be covered and remain inoperative until upgrade areas have been stabilized, unless otherwise noted.
- Diversion Dike shown hereby.
- Semi-Permanent and permanent seeding shall be in accordance with Sections 3100 thru 3104 of the above specifications and as follows:

- Seedbed Preparation
- Apply 2000#/acre of ground agricultural lime.
 - Apply 1000#/acre of 10-10-10 fertilizer.
- Seeding
- Lawn areas - 70% Kentucky 31 Tall Fescue, 20% Kentucky Bluegrass, 10% Annual Ryegrass. 60#/acre
 - Embankment areas
 - 3:1 - Kentucky 31 Tall Fescue 200#/acre
 - 3:1 - Planted with moss pink ground cover as per Section 3500 and mulched according to above. Plants shall be spaced 12-18" o.c. & placed in individually dug holes on slope. Fertilize each plant at the rate of one ounce per plant of 10-10-10. Mix fertilized with soil below the roots of the plants. The entire slope shall be mulched with straw.

CERTIFICATION BY THE PROFESSIONAL ENGINEER
I certify that this plan of development and the plan for control of silt and erosion meets the requirements, Standards and Specifications of the Howard Soil Conservation District.
Robert Berlinsky
SIGNATURE DATE 4-24-72

CERTIFICATION BY THE DEVELOPER
I certify that all development and/or construction will be done according to this Plan of Development and Plan of Silt and Sediment Control.
[Signature]
SIGNATURE DATE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
Reviewed: *[Signature]* DATE 4/10/72
DISTRICT CONSERVATIONIST
Approved: *[Signature]* DATE 4/10/72
HOWARD SOIL CONSERVATION DIST.



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SEDIMENT CONTROL PLAN
VILLAGE OF LONGBEACH - CITY ELECTION DISTRICT
PARCEL "D" PHASE I AREA 1 PLAT 2004 21 FOLIO 40
FINAL DEVELOPMENT PLAN PHASE II: FOLIO FOLIOS 501-2 COL. MD.
DATE 4/10/72 AS SHOWN

512-2