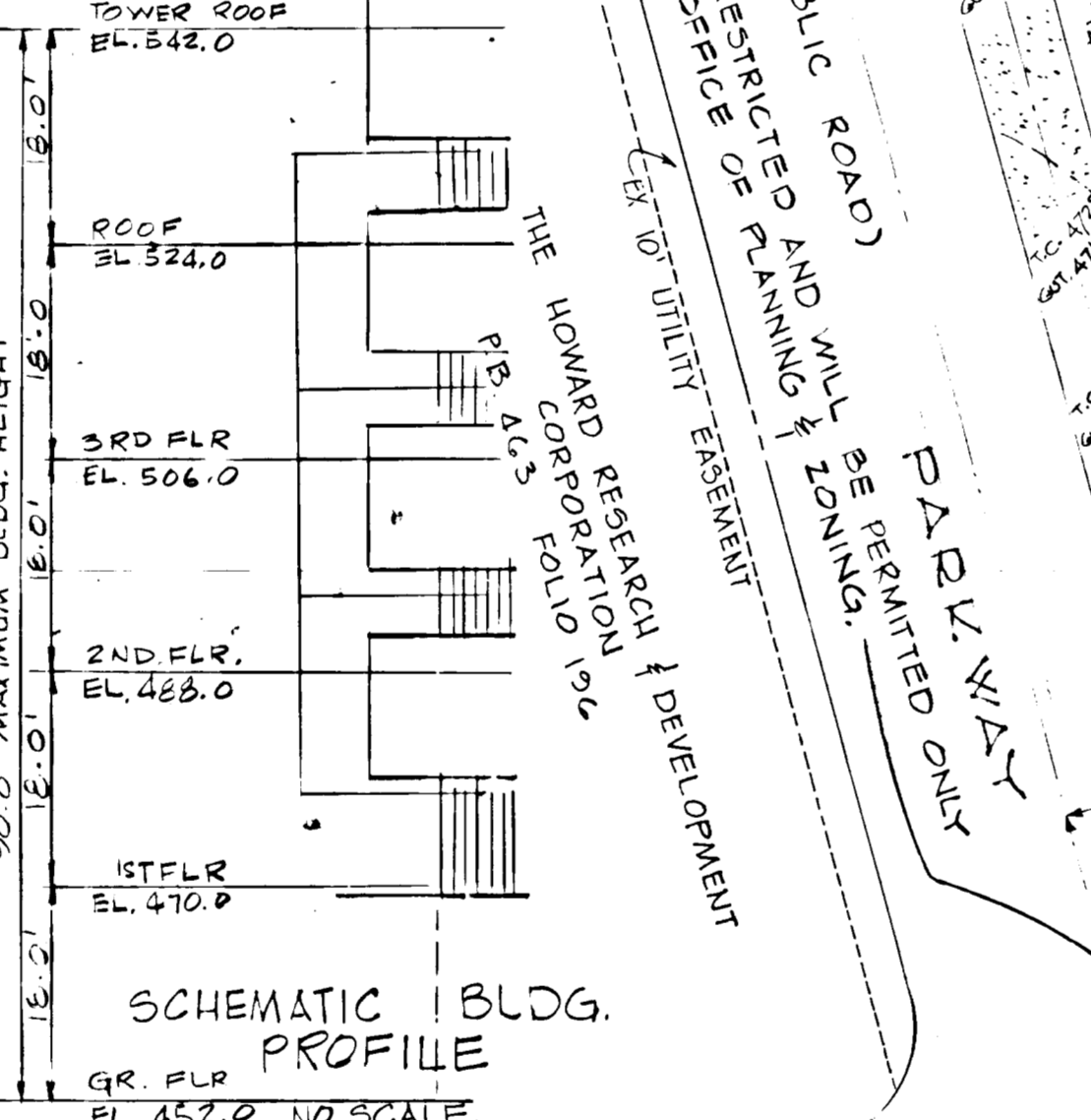


TEST BORING LOG

T.B. 1		T.B. 2		T.B. 3	
480					TOP SOIL 0.0
475		TOP SOIL 0.0			TOP SOIL 0.0
470		TOP SOIL 0.0			TOP SOIL 0.0
465	TOP SOIL 0.0				
460	BROWN SILTY SANDY SILT WITH SOME GRAVEL				
455	TAN MEDIUM SANDY SILT				
450					
445					
440					
435					
AT COMPLETION OF BORING WATER AT 19.5'		SECTION "A-A"		AT COMPLETION OF BORING HOLE DEPT.	
T.B. 4		T.B. 5		T.B. 6	
480					TOP SOIL 0.0
475		TOP SOIL 0.0			TOP SOIL 0.0
470		TOP SOIL 0.0			TOP SOIL 0.0
465	TOP SOIL 0.0				
460	BROWN SILTY SANDY SILT				
455	TAN MEDIUM SANDY SILT				
450					
445					
440					
435					
AT COMPLETION OF BORING WATER AT 19.5'		SECTION "B-B"		AT COMPLETION OF BORING HOLE DEPT.	
T.B. 7		T.B. 8		T.B. 9	
480					TOP SOIL 0.0
475		TOP SOIL 0.0			TOP SOIL 0.0
470		TOP SOIL 0.0			TOP SOIL 0.0
465	TOP SOIL 0.0				
460	BROWN SILTY SANDY SILT				
455	TAN MEDIUM SANDY SILT				
450					
445					
440					
435					
AT COMPLETION OF BORING WATER AT 19.5'		SECTION "C-C"		AT COMPLETION OF BORING HOLE DEPT.	



Howard County Requirement	CHDF Basis	Car Spaces
One space for each 2 beds	59'	30
One space for each employee on a major shift	day shift - 50% of 173 employees	86
Eight spaces for each physician treating outpatients on a major shift	15 M.D.'s	120
		236 spaces

NOTES:
 Contractors Performing Site Grading For Storm Drainage Work Should Acquire A Permit From The Howard County Bureau of Licenses And Permits Before Any Work Is Started.

OWNER:
 COLUMBIA HOSPITAL & CLINICS FOUNDATION, INC.
 BANNEKER ROAD
 COLUMBIA, MARYLAND 21043

CONSULTANTS:
 RICHARD P. BROWNE ASSOCIATES CONSULTING ENGINEERS-PLANNERS
 COLUMBIA, MARYLAND

- SITE ANALYSIS**
- TOTAL AREA OF SITE: 23.839 AC.
 - TAX MAP NO: 35
 - PARCEL NO: SECTION 3, AREA 2 PARCEL 1
 - EXISTING ZONING: 20 AC R-40, 3 AC EMPLOY + CENTER COMMERCIAL
 - TOTAL PARKING SPACES REQUIRED: 236
 - TOTAL PARKING SPACES PROVIDED: 244
 - SIZE OF PARKING SPACES: 10' x 20'
 - MINIMUM SIZE OF DRIVEWAY AISLES: 14.5'
 - TOPOGRAPHY COMPILED BY ACTUAL FIELD SURVEY
 - PUBLIC WATER & SEWER TO BE MADE AVAILABLE
 - FINAL DEVELOPMENT PLAN PHASE 23 RECORDED IN P.B. 19 FOLIOS 30 TO 32.

APPROVED
 BOARD OF APPEALS
 HOWARD COUNTY

5/19/76
 Thomas H. Harris



INDEX OF DRAWINGS

SHEET NO	DRWG. DESCRIPTION
T-1	SITE AND GRADING PLAN
T-2	DRAINAGE & SEDIMENT CONTROL PLAN
T-3	STORM DRAIN AND ROADWAY DETAILS
T-4	STORM DRAIN PROFILE SHEET

LEGEND:
 - - - - - PROPERTY LINE
 - - - - - CONTACT LIMIT LINE
 - - - - - EXISTING CONTOURS
 - - - - - PROPOSED CONTOURS
 +450.05 PROPOSED SPOT ELEVATION
 - - - - - 6" PAVING
 - - - - - 15" PAVING

NOTE: Storm Drain Contractor
 Abnormally deep cuts indicate investigation of sub soil conditions before construction of proposed storm drains.
 NOTE: No fences, or signs to be constructed!

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

SCALE: 1" = 50'

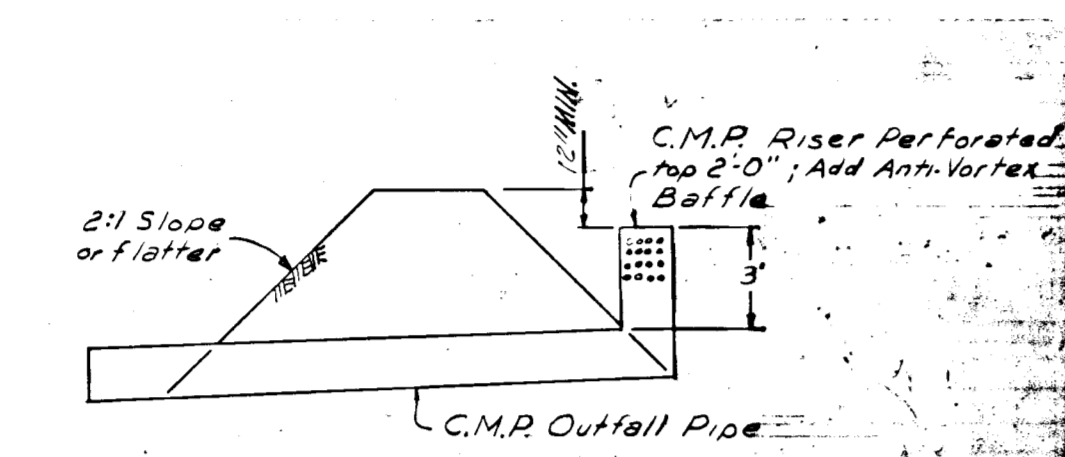
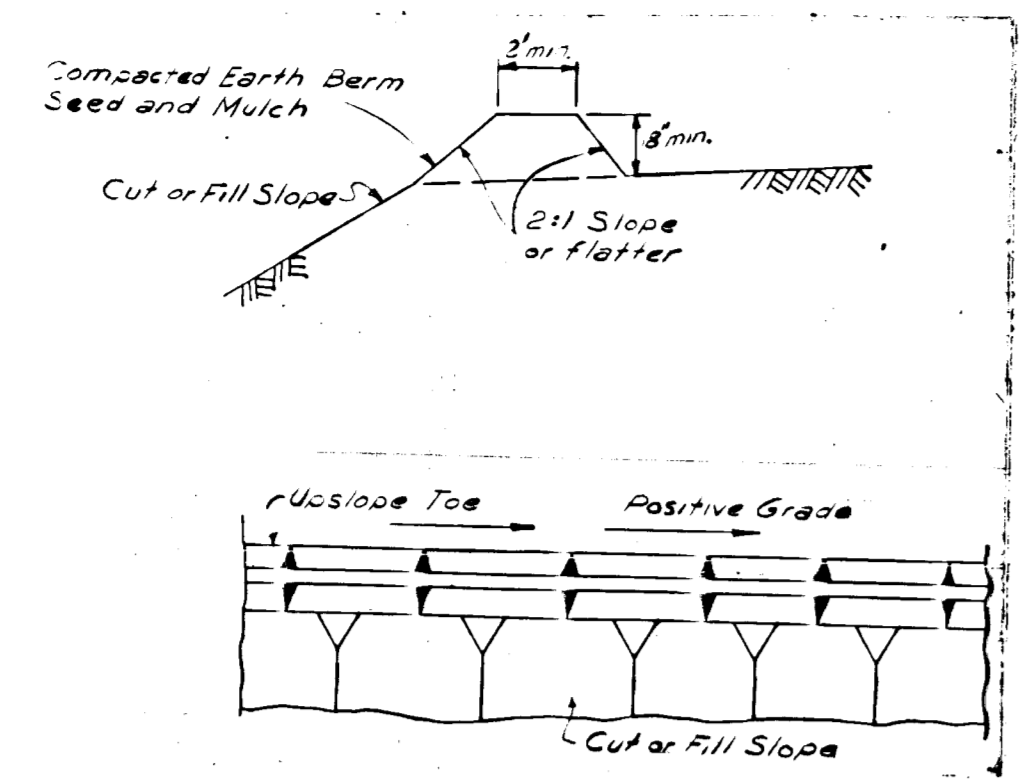
DATE: 1 APRIL 76

CONSULTANTS
 RESEARCH & DESIGN INSTITUTE-BEHAVIORAL
 TADJER-COHEN-ASSOCIATES-STRUCTURAL
 HENRY ADAMS INC-MECHANICAL-ELECTRICAL

COLUMBIA HOSPITAL AND CLINICS
 IN AFFILIATION WITH THE JOHNS HOPKINS MEDICAL INSTITUTIONS
COLUMBIA - HOWARD COUNTY - MARYLAND
 ELECTION DISTRICT NO 5

SITE AND GRADING PLAN
TATAR AND KELLY INC
 ARCHITECTS AND PLANNERS
 520 LIGHT STREET-BALTIMORE-MARYLAND

DATE: 1 APRIL 76
 PROJ: 6958
 FILE NO: (SDP-71-66C)



GENERAL NOTES
 1) All Berms must be Machine Compacted
 2) All Diversion Berms must have Positive Grades
 3) Diverted Runoff will outlet onto a Stabilized Undisturbed Area.
 4) Periodic Inspection and Required Maintenance will be Provided.
 5) Berms will be stabilized with Rye or Wheat.

CERTIFICATION BY THE PROFESSIONAL ENGINEER
 I CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN OF SILT AND EROSION MEETS THE REQUIREMENTS, STANDARDS & SPECIFICATIONS OF THE HOWARD CO. SOIL CONSERVATION DISTRICT.
 Signature: *Richard P. Browne* DATE: 5-24-71

CERTIFICATION BY THE DEVELOPER
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN OF SILT SEDIMENT CONTROL.
 Signature: *William T. Tatar* DATE: 7/1/71

HOWARD SOIL CONSERVATION DISTRICT:
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 REVIEWED: *James M. Miller* DATE: 7-30-71
 APPROVED: *Paul B. Campbell* DATE: 7-30-71
 HOWARD SOIL CONSERVATIONIST

- All disturbed areas are to be stabilized as soon after construction as is practical, with sod, or seed and mulch of a semipermanent type.
- Prior to any construction, sediment control measures must be installed.
- Howard Soil Conservation District must be notified 24 hours prior to the beginning of any construction.
- All sediment control facilities and measures shall remain in place until removal is approved by Howard Soil Conservation District.
- Sediment control is required during construction by means of sumps, berms, or ditches to provide surface retention. Seeding, sodding, planting, or other approved surface treatment must be completed as soon as possible during the construction cycle. All S.C.M. will be maintained.
- Areas to be seeded shall use a mixture as follows: Annual Rye Grass (20%), Kentucky Blue Grass (20%), Kentucky 31 Fescue (60%). To be sown at the rate of 200 lbs. per acre with a mechanical spreader; rake a minimum of two passes with a yard rake. Cover and compact with a cultipacker. Surface preparation to include grade limestone over topsoil surface area at the rate of 13 ton per acre (60lbs./1000sq. ft.), commercial fertilizer 5-10-10 at the rate of 3/4 ton per acre (35lbs./1000 sq. ft.) and Super Phosphate at the rate of 600lbs. per acre (15lbs./1000 sq. ft.) (Increased w/s's per U.S. Sect. 9-100)

NOTE:
 ALL INLETS TO BE BLOCKED OR CAPPED TO MEET THE REQUIREMENTS & STANDARDS & SPECIFICATIONS OF THE HOWARD CO. SOIL CONSERVATION DISTRICT.

OWNER
COLUMBIA HOSPITAL & CLINICS FOUNDATION, INC.
 BANNEKER ROAD
 COLUMBIA, MARYLAND 21043

RICHARD P. BROWNE ASSOCIATES
 CONSULTING ENGINEERS-PLANNERS
 COLUMBIA, MARYLAND

CONSULTANTS
 RESEARCH & DESIGN INSTITUTE-BEHAVIORAL
 TADJER-COHEN-ASSOCIATES-STRUCTURAL
 HENRY ADAMS INC-MECHANICAL-ELECTRICAL

COLUMBIA HOSPITAL AND CLINICS

IN AFFILIATION WITH THE JOHNS HOPKINS MEDICAL INSTITUTIONS
 COLUMBIA - HOWARD COUNTY - MARYLAND

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *Walter J. ...* DATE: 7/28/71

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 COUNTY PLANNING OFFICER: *Thomas H. ...* DATE: 8-3-71

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *William C. ...* DATE: 7/27/71

LEGEND
 - - - - - PROPERTY LINE
 - - - - - EXISTING LIMIT LINE
 - - - - - EXISTING CONTOURS
 - - - - - PROPOSED CONTOURS
 +450.25 PROPOSED SPOT ELEVATION
 --- G1/2 PAVING
 --- 1 1/2" PAVING

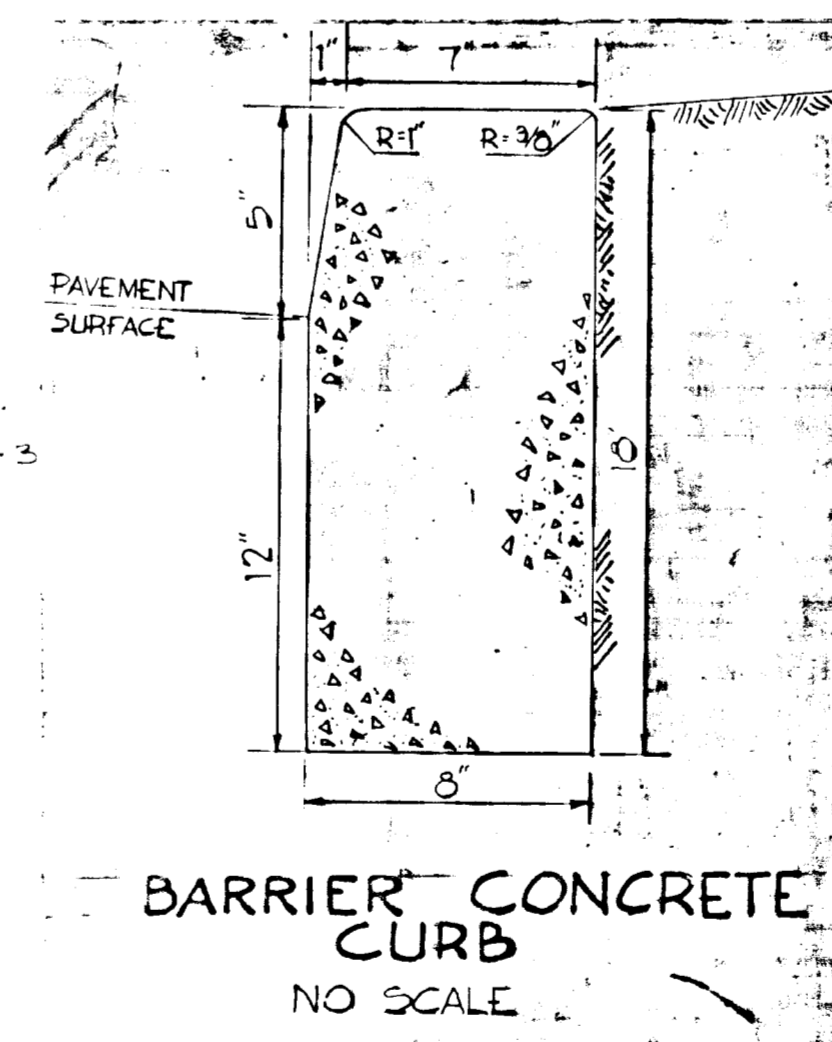
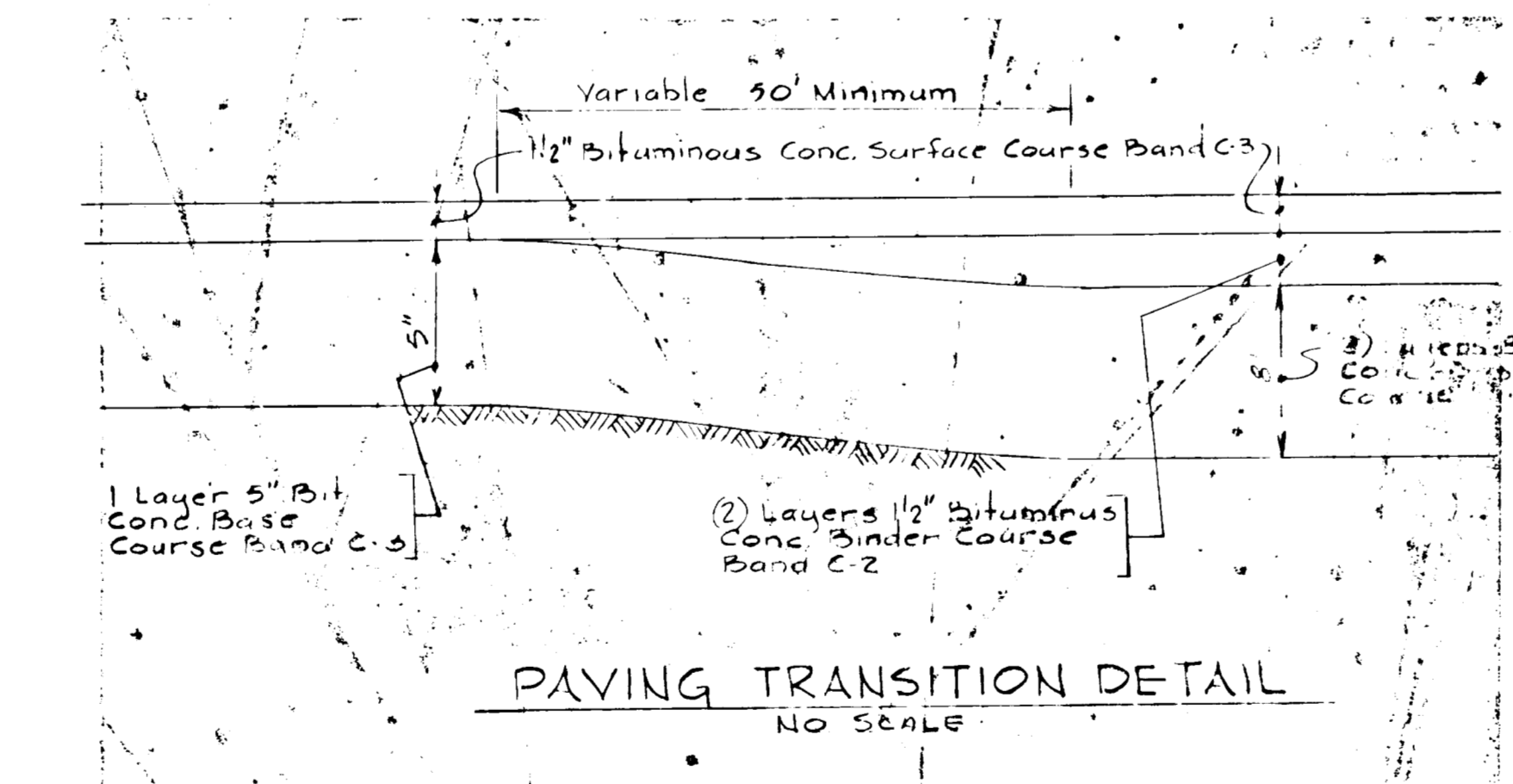
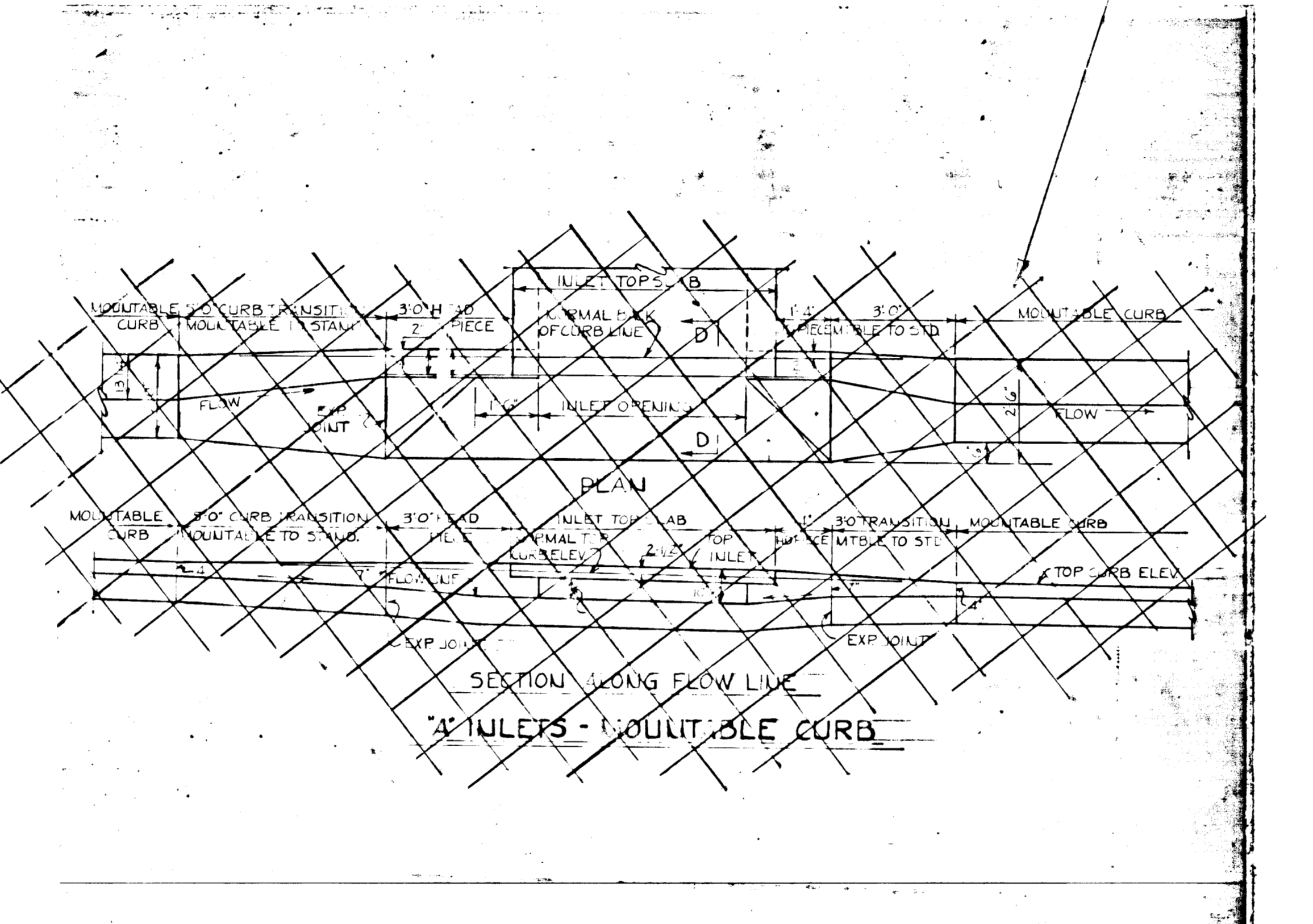
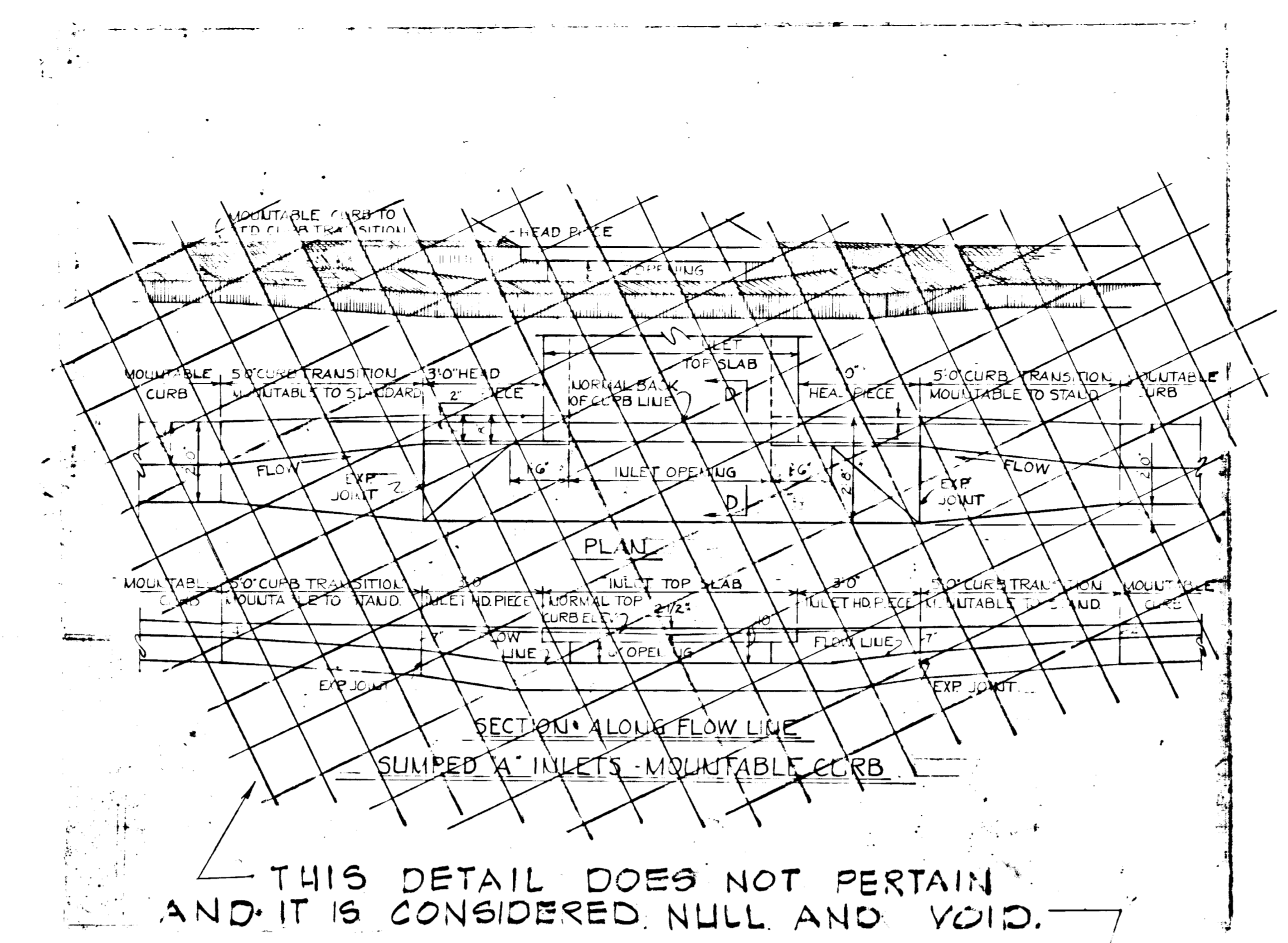
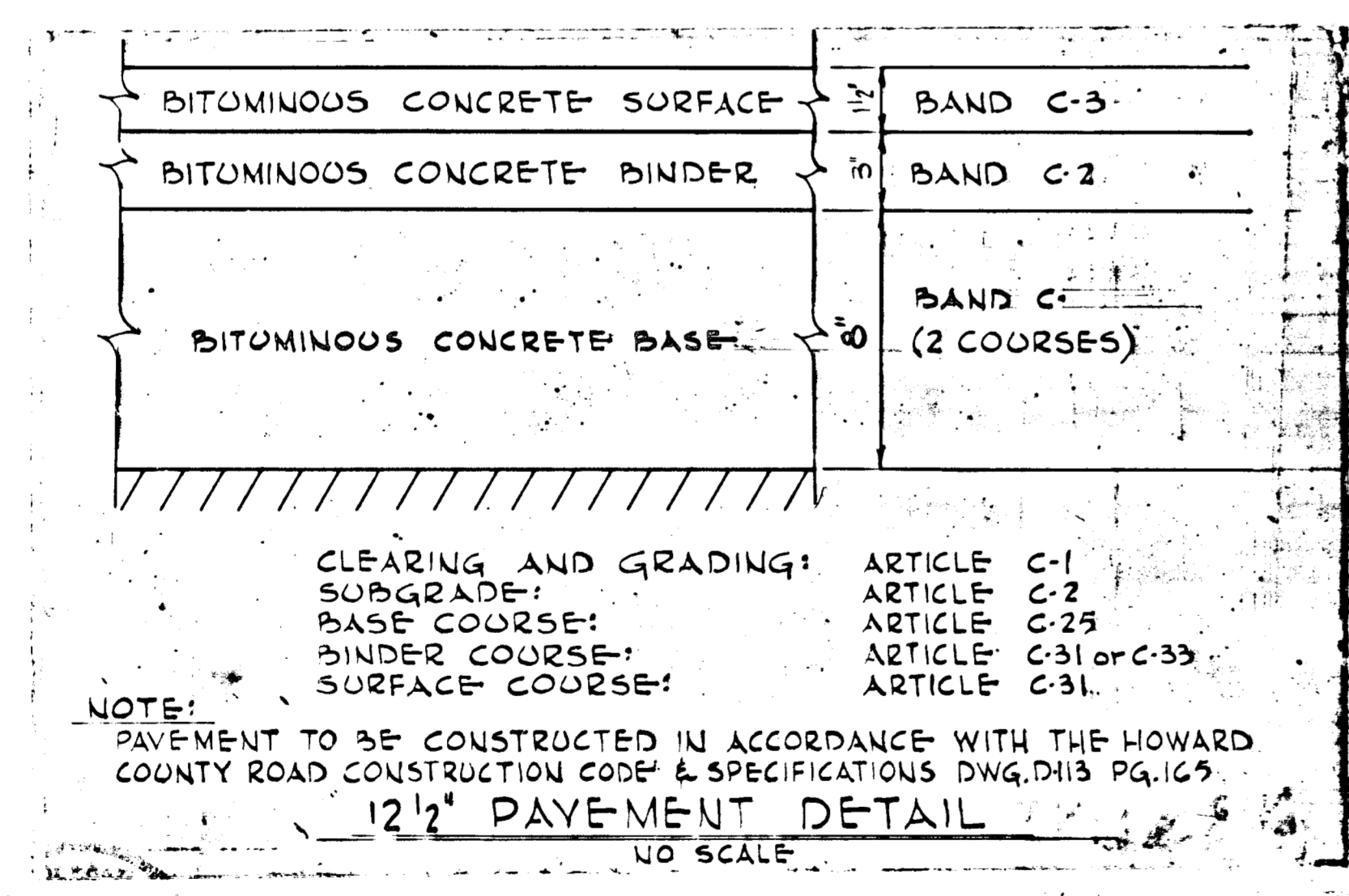
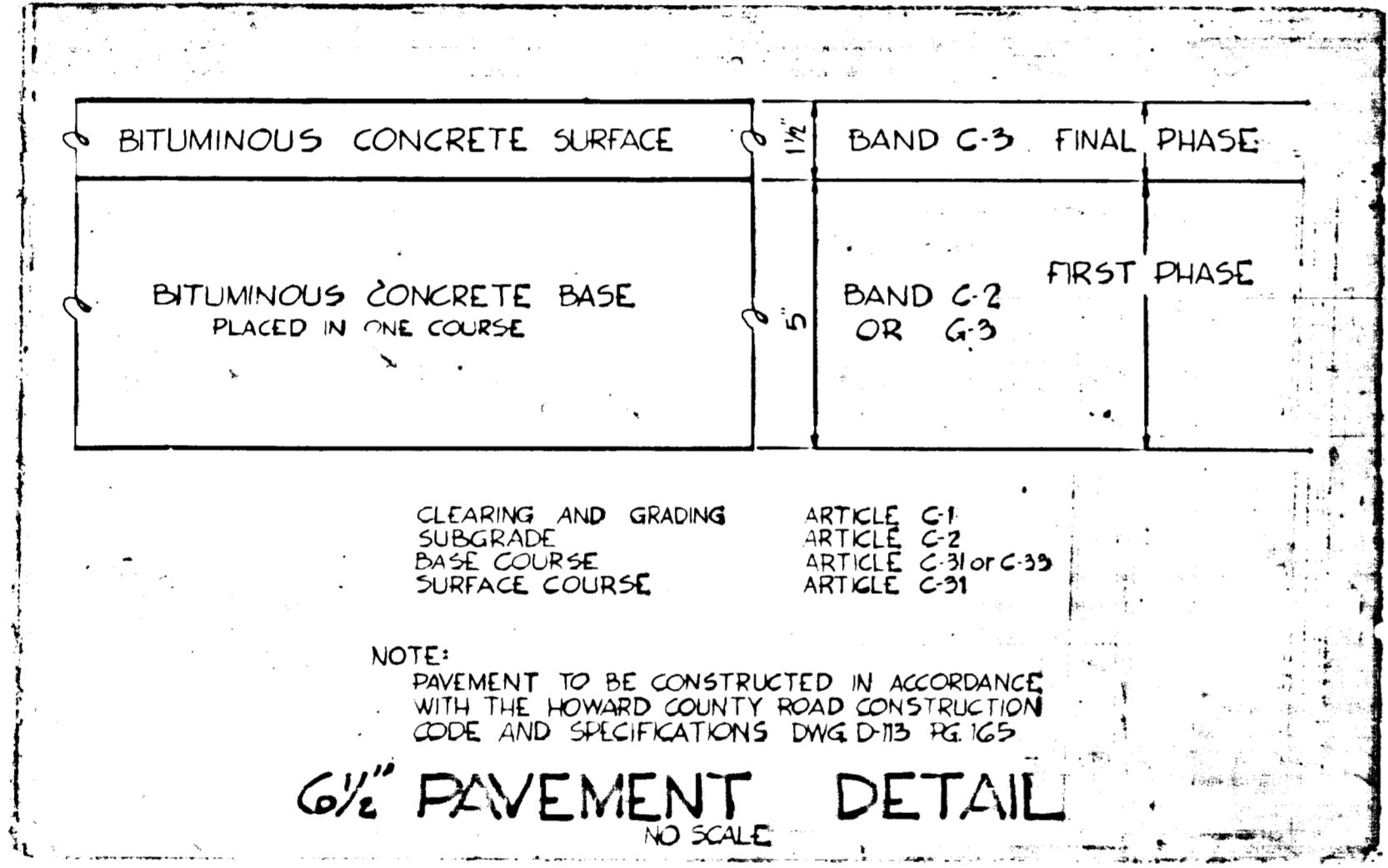
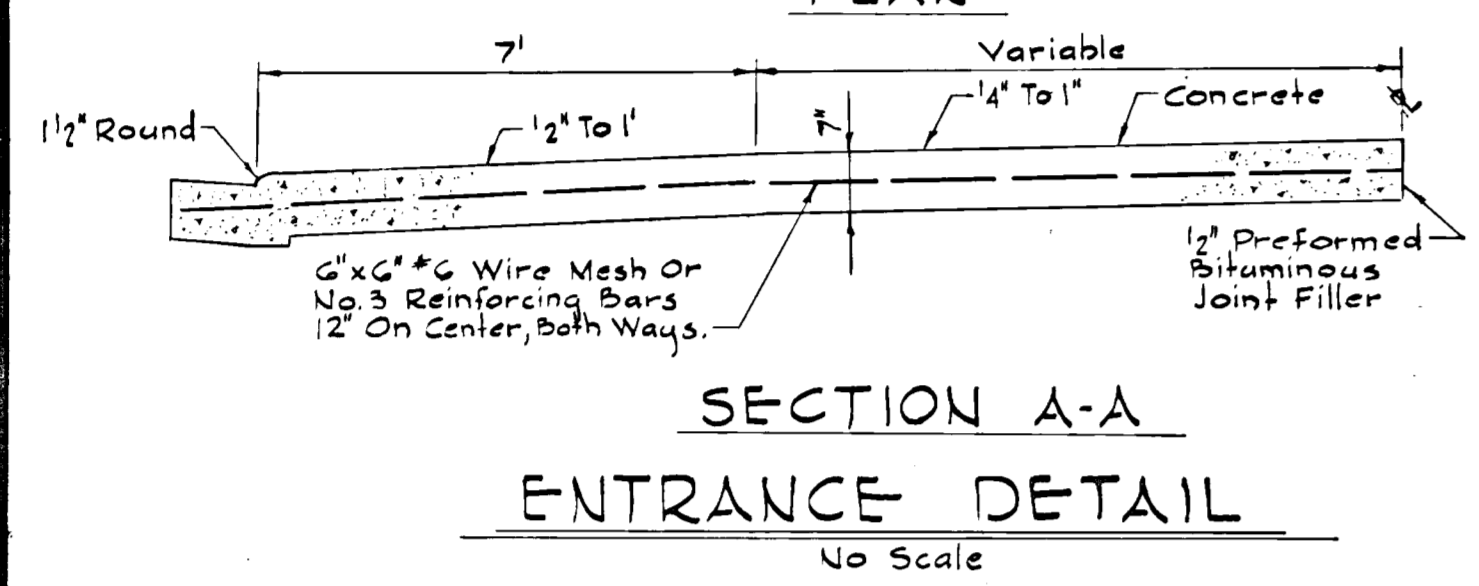
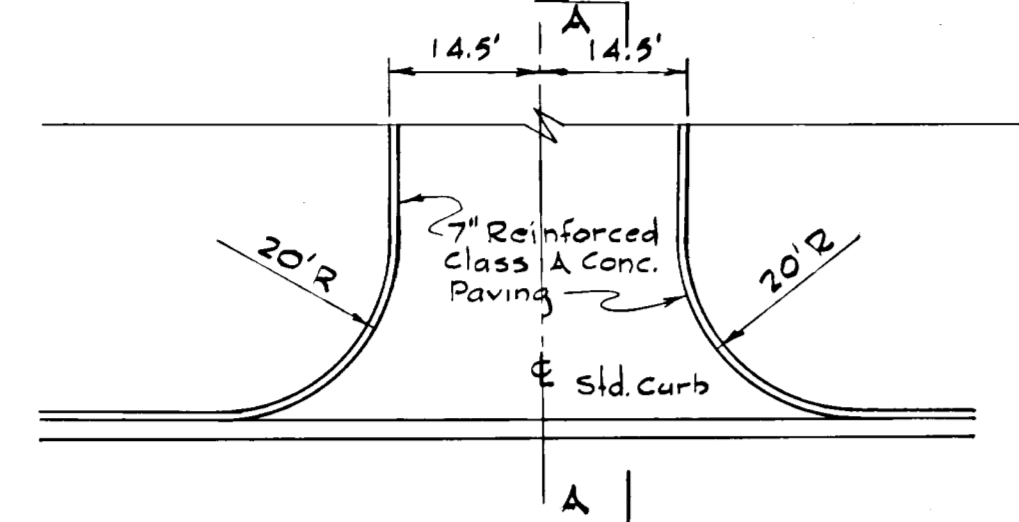
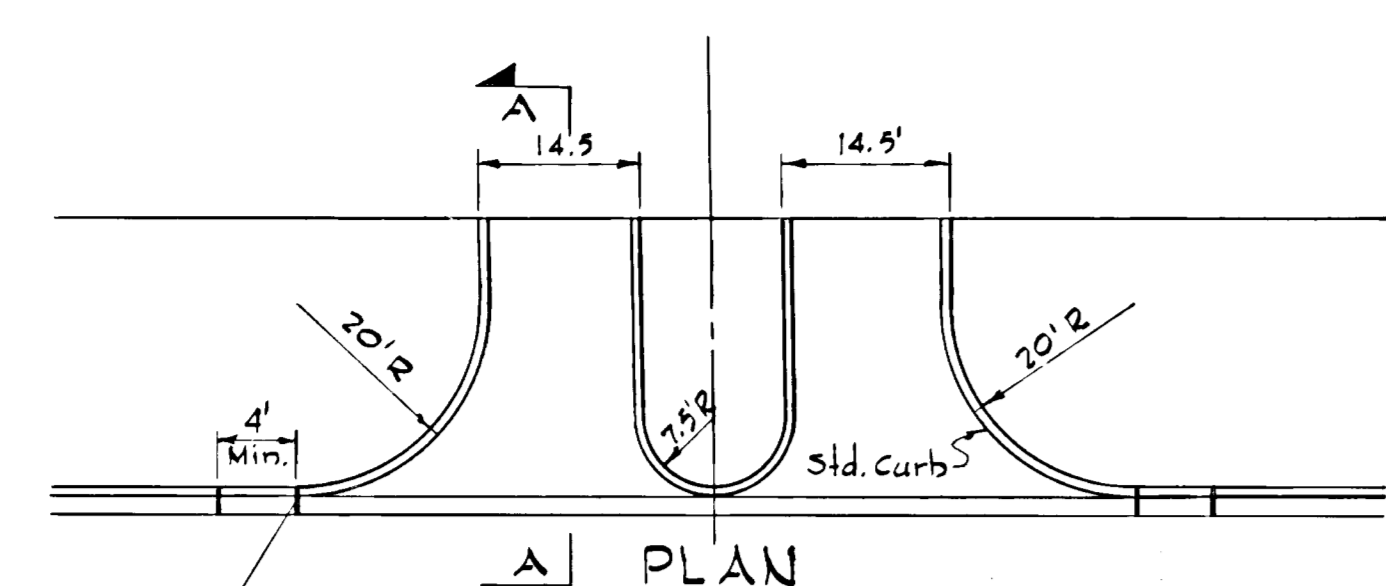
APPROVED
 BOARD OF HOWARD COUNTY
 DATE: 5/19/71
Thomas H. ...

SCALE: 1" = 50'

DRAINAGE & SEDIMENTATION CONTROL PLAN
 TATAR AND KELLY INC
 ARCHITECTS AND PLANNERS
 520 LIGHT STREET-BALTIMORE-MARYLAND

DATE: 7/28/71
T2
 PROJ 6058

FILE NO (SDP-71-66C)



STORM DRAINAGE STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C. ELEV.	REMARKS
E1	A-10 INLET	SEE PLAN	443.34	442.55	462.30	H.O. CO. STD. DWG. G4A, PA. 119A
E2	A-5 INLET	SEE PLAN	452.49	452.25	455.10	H.O. CO. STD. DWG. G4A, PA. 119A
E3	A-5 INLET	SEE PLAN	457.00	457.00	461.00	H.O. CO. STD. DWG. G4A, PA. 119A
E4	A-5 INLET	SEE PLAN	455.86	455.61	463.70	H.O. CO. STD. DWG. G4A, PA. 119A
E5	A-5 INLET	SEE PLAN	457.53	461.20	461.20	H.O. CO. STD. DWG. G4A, PA. 119A
E6	A-5 INLET	SEE PLAN	457.20	456.70	461.20	H.O. CO. STD. DWG. G4A, PA. 119A
E7	A-10 INLET	SEE PLAN	459.98	464.00	464.00	H.O. CO. STD. DWG. G4A, PA. 119A
E8	A-5 INLET	SEE PLAN	464.58	465.10	465.10	H.O. CO. STD. DWG. G4A, PA. 119A
E9	A-5 INLET	SEE PLAN	456.32	456.12	460.30	H.O. CO. STD. DWG. G4A, PA. 119A
E10	A-5 INLET	SEE PLAN	456.70	460.30	460.30	H.O. CO. STD. DWG. G4A, PA. 119A
E11	A-5 INLET	SEE PLAN	446.14	445.89	463.60	H.O. CO. STD. DWG. G4A, PA. 119A
E12	A-10 INLET	SEE PLAN	447.10	446.90	454.50	H.O. CO. STD. DWG. G4A, PA. 119A
E13	A-10 INLET	SEE PLAN	447.38	454.50	454.50	H.O. CO. STD. DWG. G4A, PA. 119A
E14	A-5 INLET	SEE PLAN	447.70	451.50	451.50	H.O. CO. STD. DWG. G4A, PA. 119A
M1	STD. MANHOLE	SEE PLAN	441.15	440.95	450.00	H.O. CO. STD. DWG. D105, PA. 158

Richard P. Browne
RICHARD P. BROWNE ASSOCIATES
CONSULTING ENGINEERS, PLANNERS
COLUMBIA, MARYLAND

OWNER
COLUMBIA HOSPITAL & CLINICS
FOUNDATION, INC.
BANNEKER ROAD
COLUMBIA, MARYLAND 21043

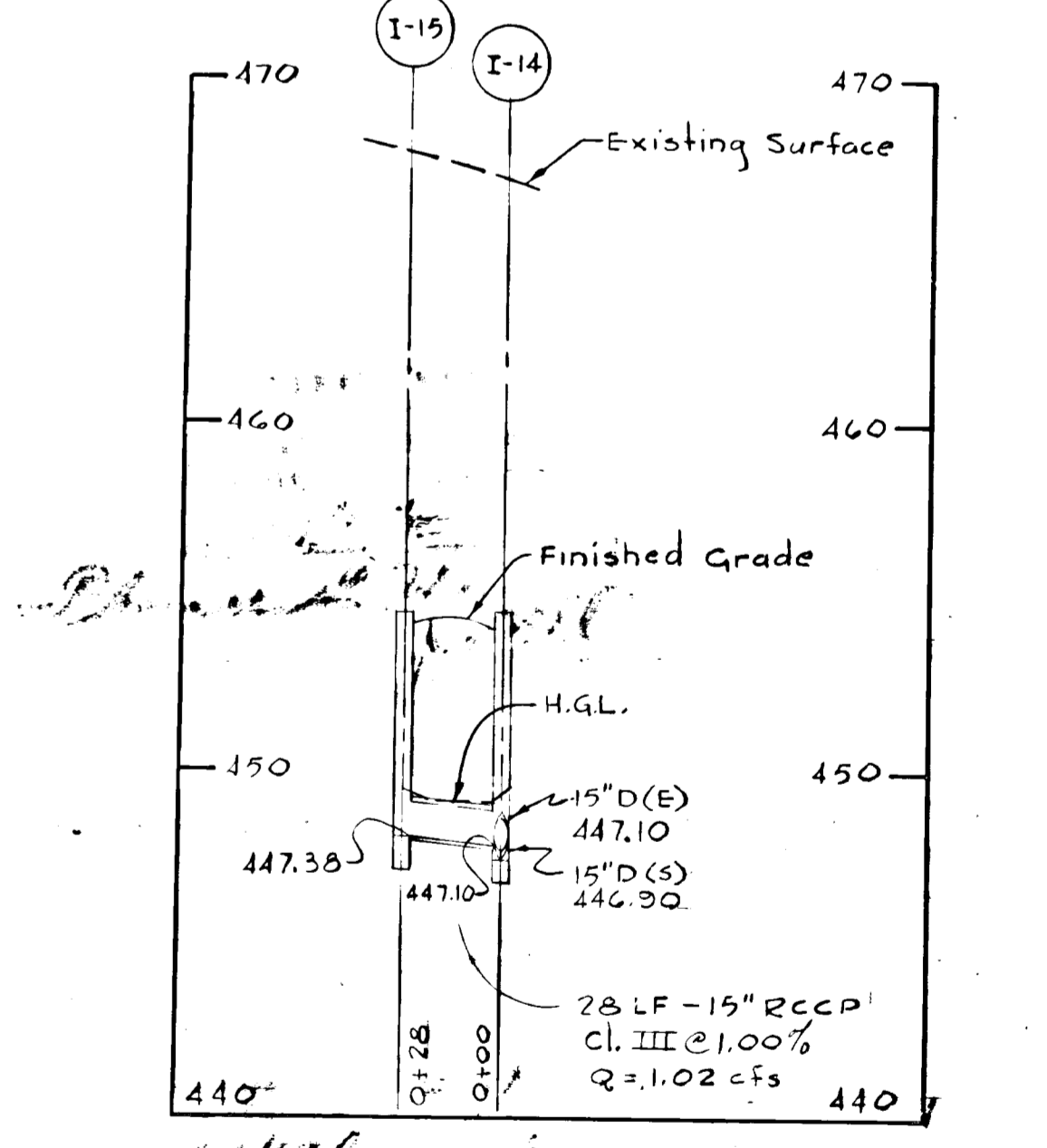
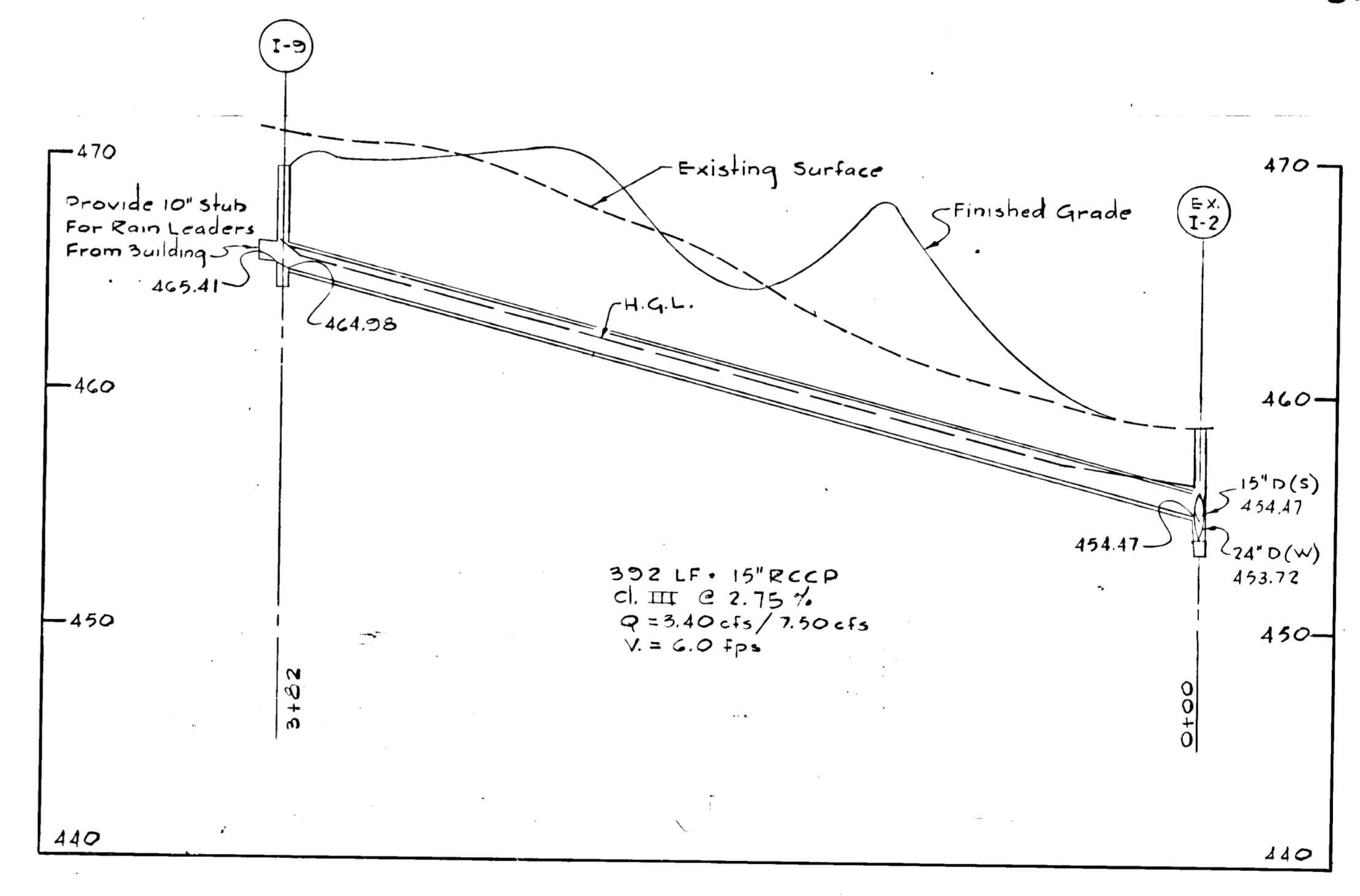
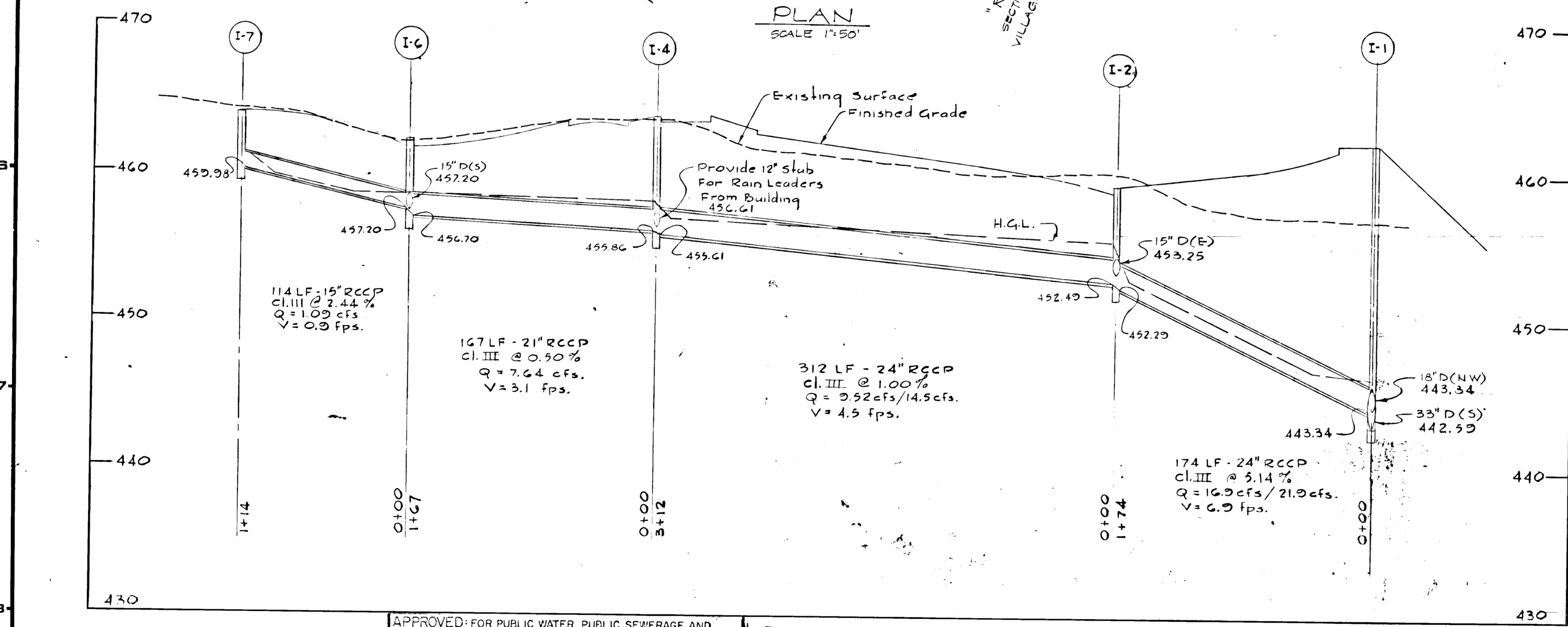
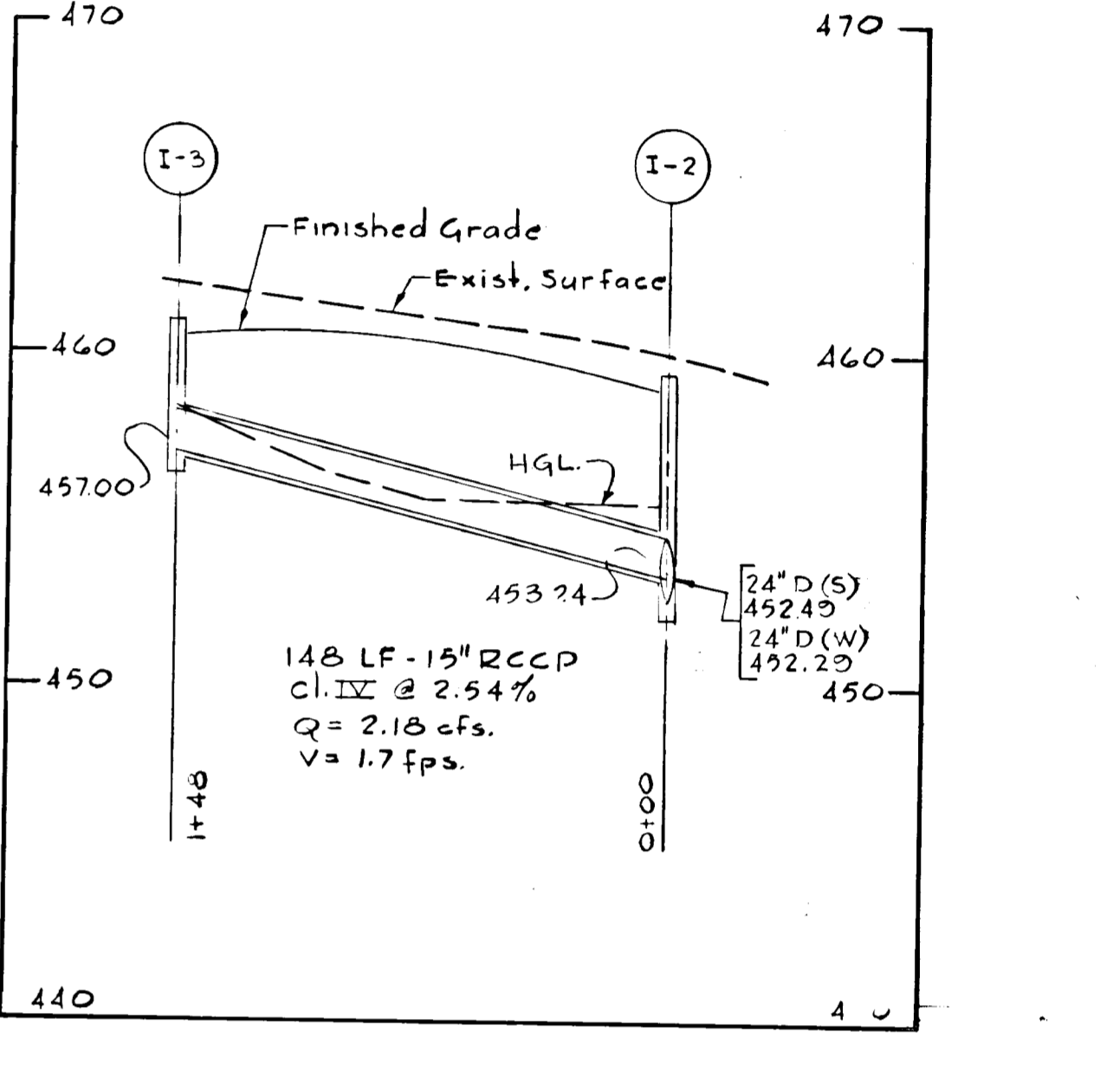
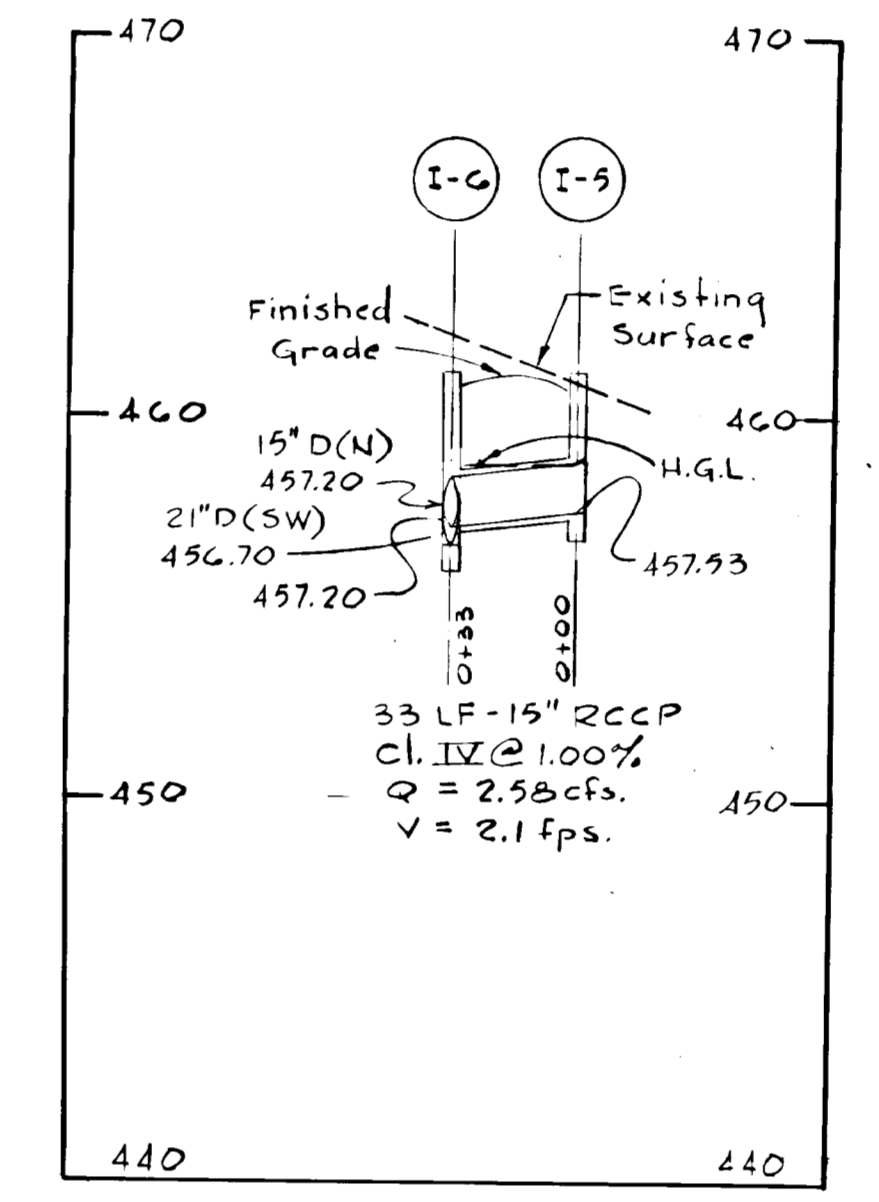
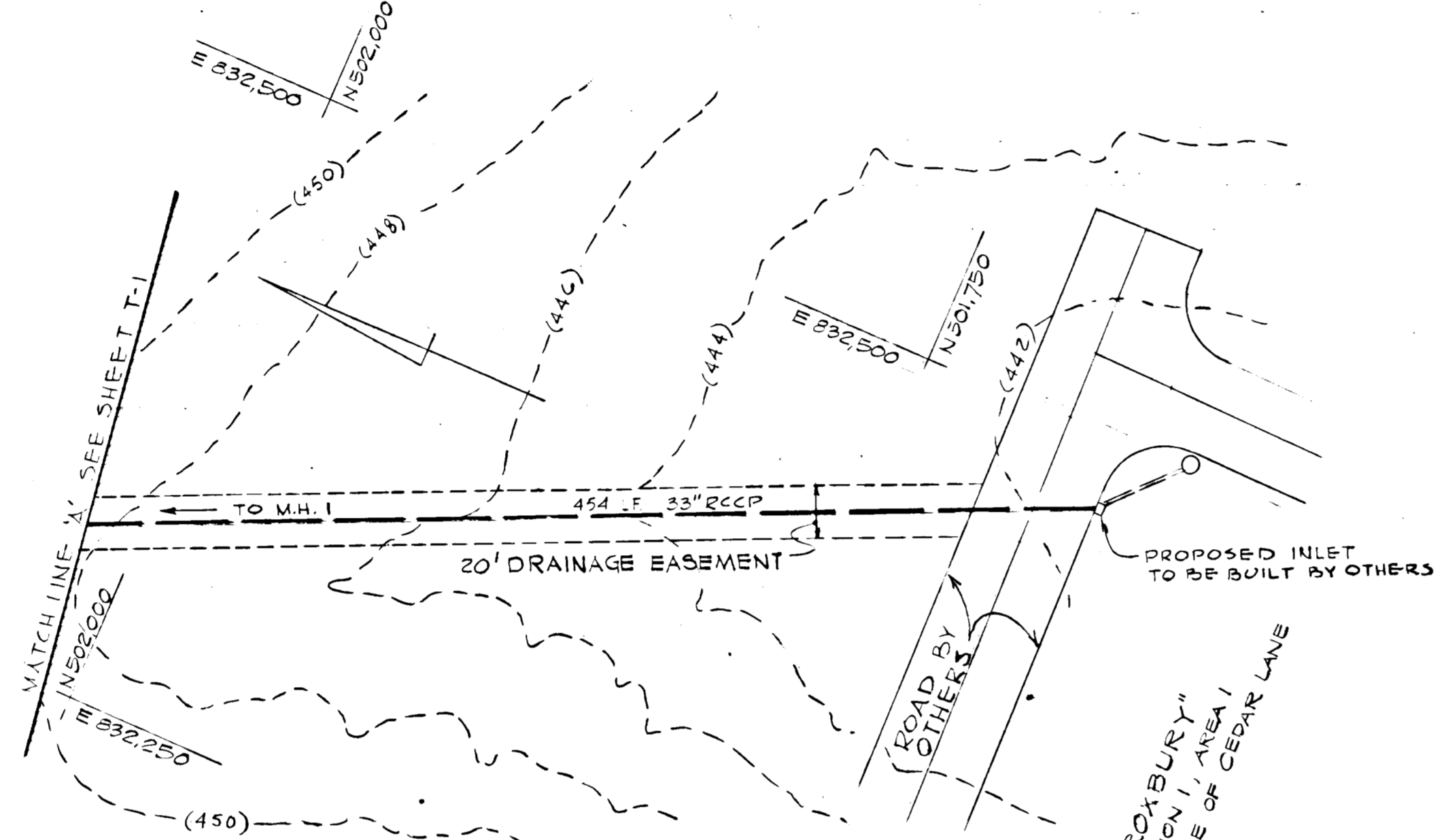
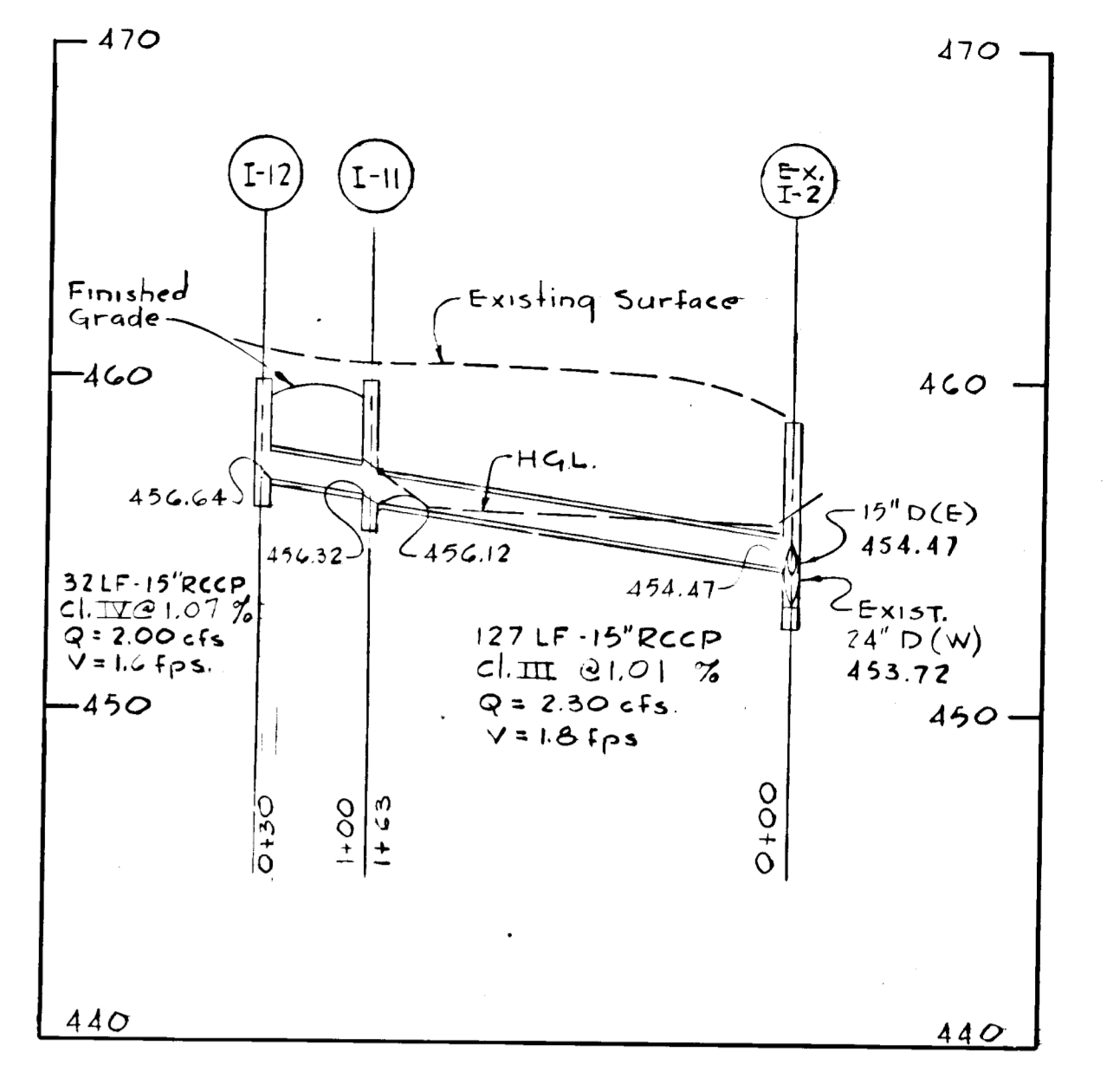
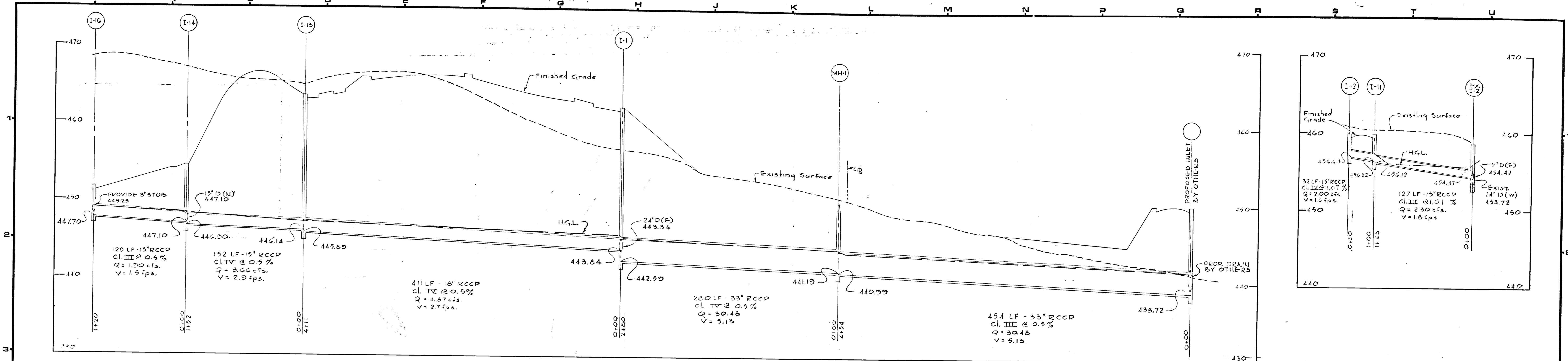
CONSULTANTS
RESEARCH & DESIGN INSTITUTE-BEHAVIORAL
TADJER-COHEN-ASSOCIATES - STRUCTURAL
HENRY ADAMS INC-MECHANICAL-ELECTRICAL

COLUMBIA HOSPITAL AND CLINICS
IN AFFILIATION WITH THE JOHNS HOPKINS MEDICAL INSTITUTIONS
COLUMBIA - HOWARD COUNTY - MARYLAND
ELECTION DISTRICT #5

STORM DRAIN & ROADWAY DETAILS
TATAR AND KELLY INC
ARCHITECTS AND PLANNERS
520 LIGHT STREET BALTIMORE, MARYLAND
DATE: APRIL 77
PROJ. 8952

APPROVED
5/19/77
Shomel W. Harney

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
Richard P. Browne

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *Richard P. Browne* DATE: 2/22/71
CHIEF: *Richard P. Browne* DATE: 2/22/71

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *Richard P. Browne* DATE: 2/22/71

OWNER:
COLUMBIA HOSPITAL & CLINICS FOUNDATION, INC.
BANNEKER ROAD
COLUMBIA, MARYLAND 21043

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING AND ZONING COMMISSION: *Richard P. Browne* DATE: 2/22/71

Richard P. Browne
RICHARD P. BROWNE ASSOCIATES
CONSULTING ENGINEERS - PLANNERS
COLUMBIA, MARYLAND

CONSULTANTS
RESEARCH & DESIGN INSTITUTE - BEHAVIORAL
TADJER-COHEN ASSOCIATES - STRUCTURAL
HENRY ADAMS INC - MECHANICAL-ELECTRICAL

COLUMBIA HOSPITAL AND CLINICS
IN AFFILIATION WITH THE JOHNS HOPKINS MEDICAL INSTITUTIONS
COLUMBIA - HOWARD COUNTY - MARYLAND
ELECTION DISTRICT N5

STORM DRAIN PROFILE
TATAR AND KELLY INC
ARCHITECTS AND PLANNERS
520 LIGHT STREET - BALTIMORE, MARYLAND

DATE 1 APRIL 71
T4
PROJ 6952

FILE NO (SDP-71-66C)

Scale: 1" = 50' Horizontal
1" = 5' Vertical

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