

SEDIMENT CONTROL NOTES

1. Sediment Control for construction proposed under these drawings will be provided by the existing basin approved and constructed under F-81-76 and SDP 81-111C.
2. Basin will be maintained in a functioning condition for work proposed hereon.
3. See SDP 81-111C for sequence for sediment basin removal.
4. See SDP 81-154C for complete grading and sediment control.

DEPARTMENT OF PUBLIC WORKS
William E. Ryan 7/6/81
 CHIEF, BUREAU OF ENGINEERING DATE
 OFFICE OF PLANNING AND ZONING
William E. Ryan 6/30/81
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

COLUMBIA

HOWARD COUNTY, MARYLAND
 6TH ELECTION DISTRICT

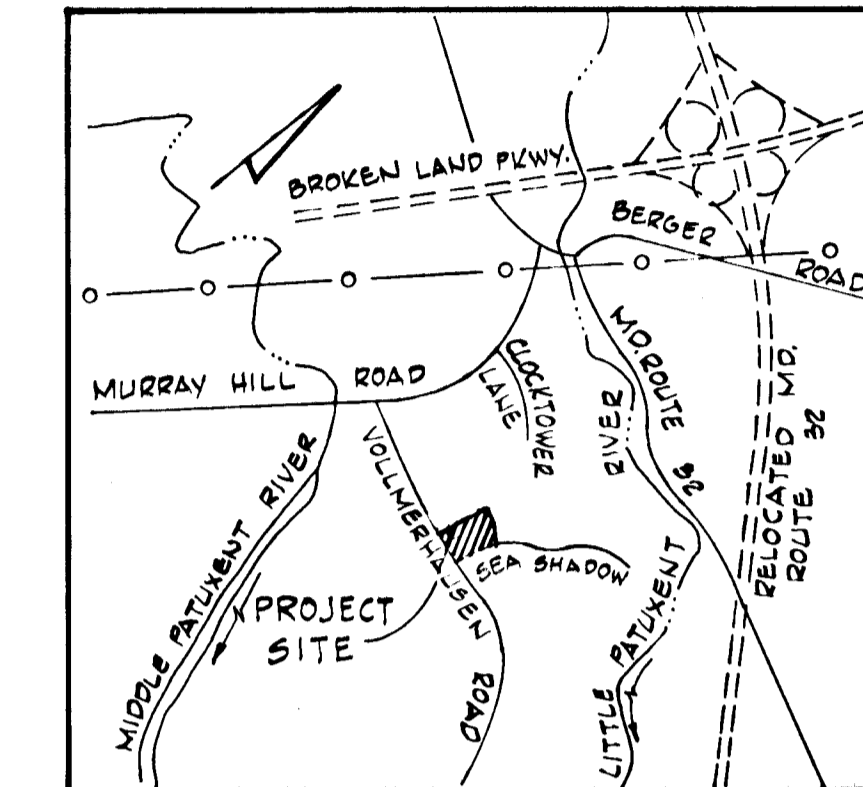
ROAD CONSTRUCTION PLANS

VILLAGE OF KINGS CONTRIVANCE

SECTION 3 AREA 1 RESUBDIVISION OF A PORTION

OF PARCEL "E"

LOT E-84 TO LOT E-134



VICINITY MAP

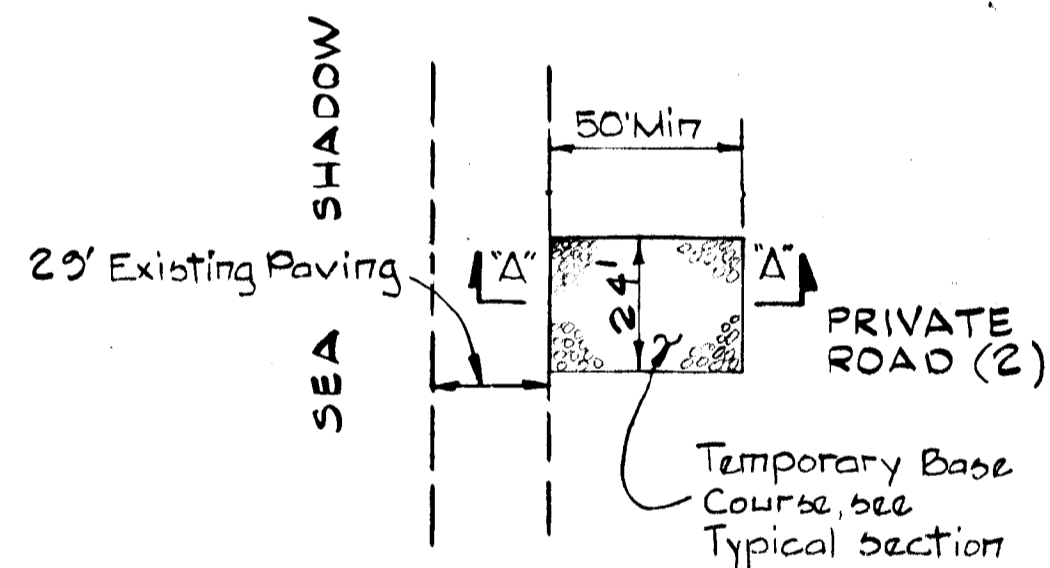
Scale: 1" = 2,000'

SEQUENCE OF CONSTRUCTION

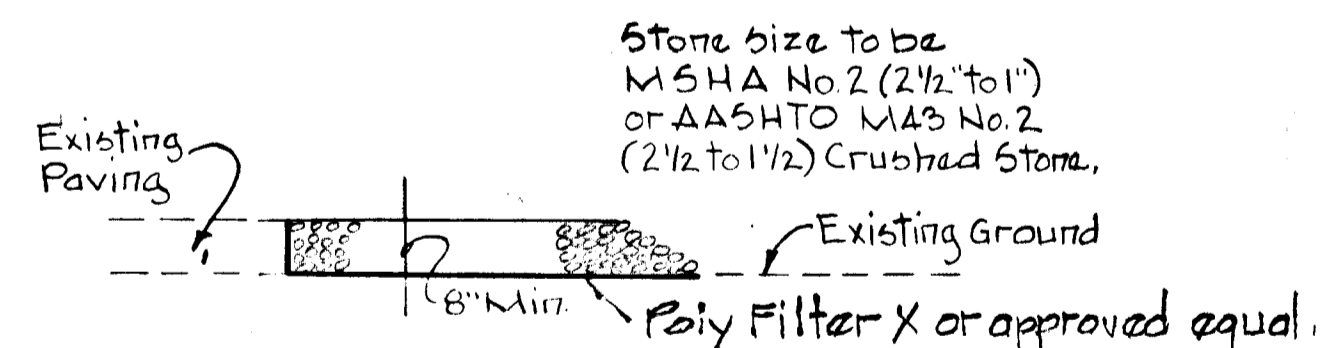
1. Obtain Grading Permit.
2. Install stabilized construction Entrances at Rainleaf Court and Summer Park Court.
3. Install storm drain system, except for Inlet I-1 and section of 42" pipe between I-1 and existing riser pipe, which will be constructed when sediment basin is removed.

PERMANENT SEEDING

Lime - 2 tons/acre agricultural ground limestone.
 Fertilizer - 1000 lbs/acre (10-10-10)
 Seeding - 100 lbs/acre of the following:
 20% Kentucky Blue Grass, 20% Marion Blue Grass
 55% Creeping Red Fescue, 5% Redtop
 Mulch Required - Mulch area with straw at 75 lbs./1000^{sq} or 1.5 tons/acre. Anchor with asphalt at the rate of 400 gallons/acre.
 Stabilization of slopes steeper than 3:1 shall be planted with crown vetch including 15 lbs/acre (0.34 lbs./1000^{sq}), Kentucky 81 Tall Fescue 40 lbs/acre (1 lb./1000^{sq}).



PLAN
 Scale: 1" = 50'

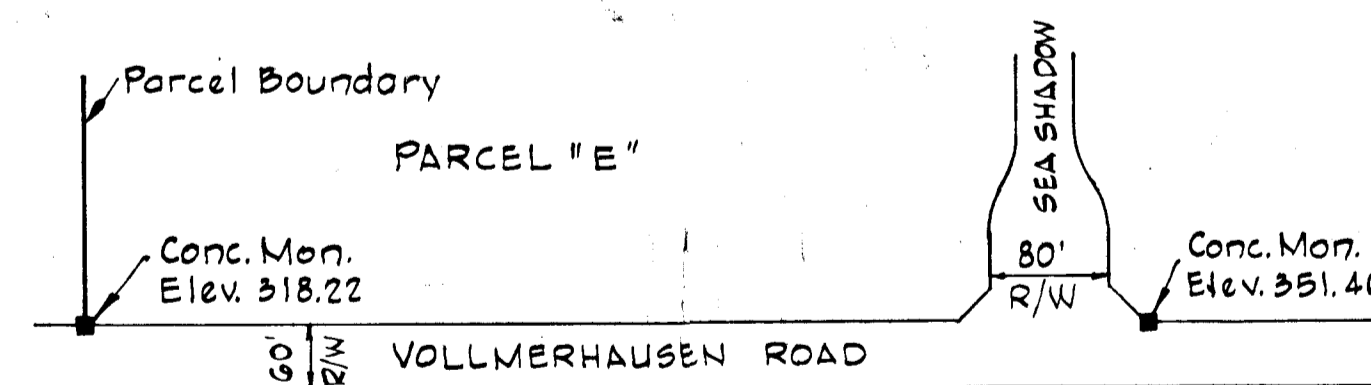


SECTION "A-A"

STABILIZED CONSTRUCTION ENTRANCE DETAIL

Scale As Shown

SHEET INDEX	
NO.	DESCRIPTION
1	COVER SHEET
2	PLAN AND PROFILE - RAINLEAF AND SUMMER PARK COURTS PRIVATE COURTS-NO NAMES
3	STORM DRAIN PROFILES AND DRAINAGE AREA MAP



BENCHMARKS AND REFERENCES
 No Scale

GENERAL NOTES

1. All work shall be done in accordance with Howard County Road Construction Code and Standard Specifications.
2. All utility companies must be notified 24 hours in advance of any construction.
3. Secondary residential streets are designed for 30 mph traffic speed in accordance with AASHO Standards.
4. All inlets shall be Howard County Standard unless otherwise shown. All "A" inlets shall be depressed.
5. Storm drain trenches within road rights-of-ways shall be backfilled and compacted in accordance with Howard County Road Code.
6. Any damage to public rights-of-ways or paving will be corrected at the developer's expense.
7. 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.
8. The Contractor shall test pit existing utilities where directed by the Engineer, a minimum of two weeks in advance of any construction.
9. Contractor to notify the Howard County Dept. of Inspections and Permits at least 3 days before starting work shown on these drawings. Telephone 292-2430.

STORM WATER MANAGEMENT

Storm Water Management for Parcel "E" has been provided in Pond #2 and Pond #3. See Road Construction Drawings for Village of Kings Contrivance Section 3 Area 1, Sheet 26 of 27 File F-78-203C and Sheet 35 of 37 File 79-44C for Pond #2 and Pond #3 respectively.

CERTIFICATION BY THE DEVELOPER

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Lee B. Rosenberg 4-1-81
 LEE B. ROSENBERG DATE

CERTIFICATION 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."

Kenneth A. McCord 4-1-81
 KENNETH A. MCCORD P.E. 1974 DATE

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

APPROVED: *William E. Ryan* 6-30-81
 HOWARD S.C.D. DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

Darryl J. Rankin 6-30-81
 U.S. SOIL CONSERVATION SERVICE DATE

RESPONSIBLE PERSONNEL CERTIFICATION

"I hereby certify that any responsible personnel involved in the construction project will have a certificate of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project."

Lee B. Rosenberg 4-1-81
 LEE B. ROSENBERG DATE

DEVELOPER HOWARD HOMES BUILDING CO., INC. P.O. BOX 802 COLUMBIA, MARYLAND	WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MARYLAND 21218 <i>Kenneth A. McCord</i> KENNETH A. MCCORD Registered Engineer No. 1974
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STORM DRAIN STRUCTURE SCHEDULE

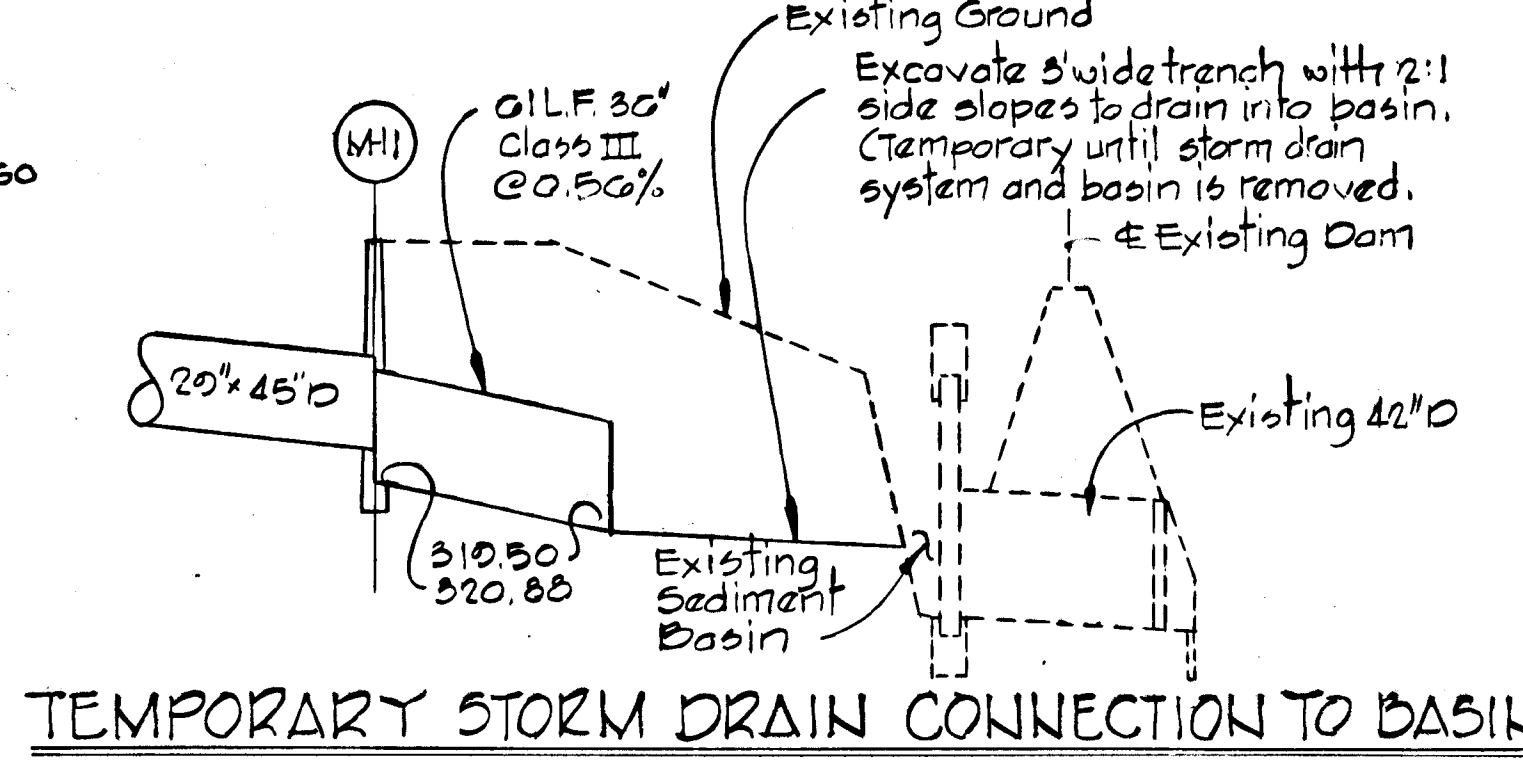
NO.	TYPE	TOP ELEV.	INV. IN.	INV. OUT.	LOCATION
I-1	Special, See Det. This Sheet	327.74	327.50	327.24	See Plan and Profile
M-1	Standard "B" Manhole	327.74	327.74	327.74	See Plan and Profile
I-2	Special, See Det. This Sheet	327.74	327.50	327.24	See Plan and Profile
I-3	Special, See Det. This Sheet	327.74	327.74	327.54	See Plan and Profile
I-4	Special, See Det. This Sheet	327.74	327.45	327.24	See Plan and Profile
M-2	Standard "A-1" Manhole	327.74	327.00	327.24	See Plan and Profile
I-5	Standard "K" Inlet	327.74	327.50	327.24	See Plan and Profile
I-6	Standard "A-5" Inlet, width 28"	327.74	327.50	327.24	See Plan and Profile
I-7	Standard "A-10" Inlet, width 28"	327.74	327.50	327.24	See Plan and Profile

LEGEND

- Sidewalk
- - - Existing Contours
- Proposed Contours

- Notes:
- Standard A-5 Inlet, Howard County Drawing SD 4.01.
 - Standard A-10 Inlet, Howard County Drawing SD 4.02.
 - Standard Type A-1 Manhole, Howard County Drawing SD 3.01.
 - Standard Type B Manhole, Howard County Drawing SD 3.03.
 - Standard Type K Inlet, Howard County Drawing SD 4.11.
 - For Storm Drain Profile see street 3 of 3.

NOTE:
 For Vollmerhausen Road Profile and storm drains, see Road Construction Drawings for the Village of Kings Contrivance Section 3 Areal F-78-203C by Whitman, Reardon and Associates.
 For Sea Shadow Road Profile and storm drains, see Road Construction Drawing for the Village of Kings Contrivance Section 3 Areal F-79-44C by Whitman, Reardon and Associates.



TEMPORARY STORM DRAIN CONNECTION TO BASIN

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

AS-BUILT SURVEY DATA BY KENNETH A. MCCORD, MD. P.E. 1974; SIGNED, SEALED & DATED MARCH 24, 1982

Rev. Date	Rev. No.	As Per Planning and D.P.W. Comments
5/29/81	1	Revision Description

COLUMBIA
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
 HOWARD HOMES BUILDING CO., INC.

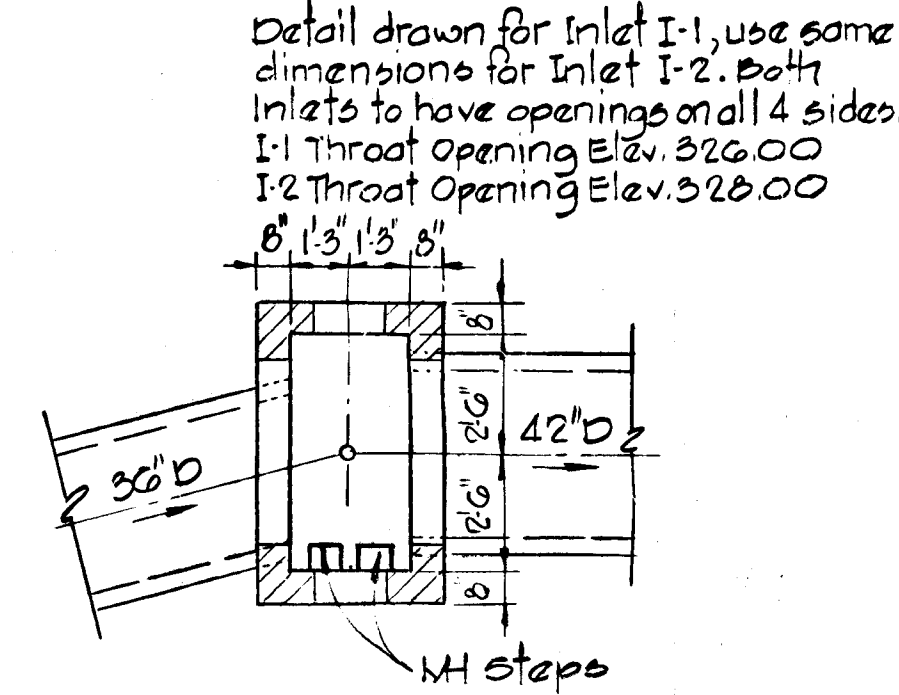
PROJECT AREA
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 3 AREA 1 LOTS E-84 THRU E-134
 A RESUBDIVISION OF A PORTION OF PARCEL "E"

PROJECT TITLE
 PLAN AND PROFILE
 RAINLEAF COURT
 SUMMER PARK COURT

SCALE: AS SHOWN DATE

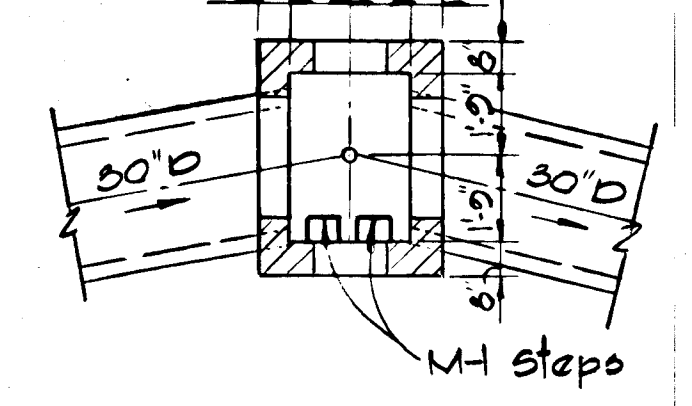
WHITMAN, REARDON & ASSOCIATES
 ENGINEERS
 2315 ST. PAUL STREET
 BALTIMORE, MARYLAND 21218

Kenneth A. McCord
 KENNETH A. MCCORD
 Registered Engineer
 No. 1974



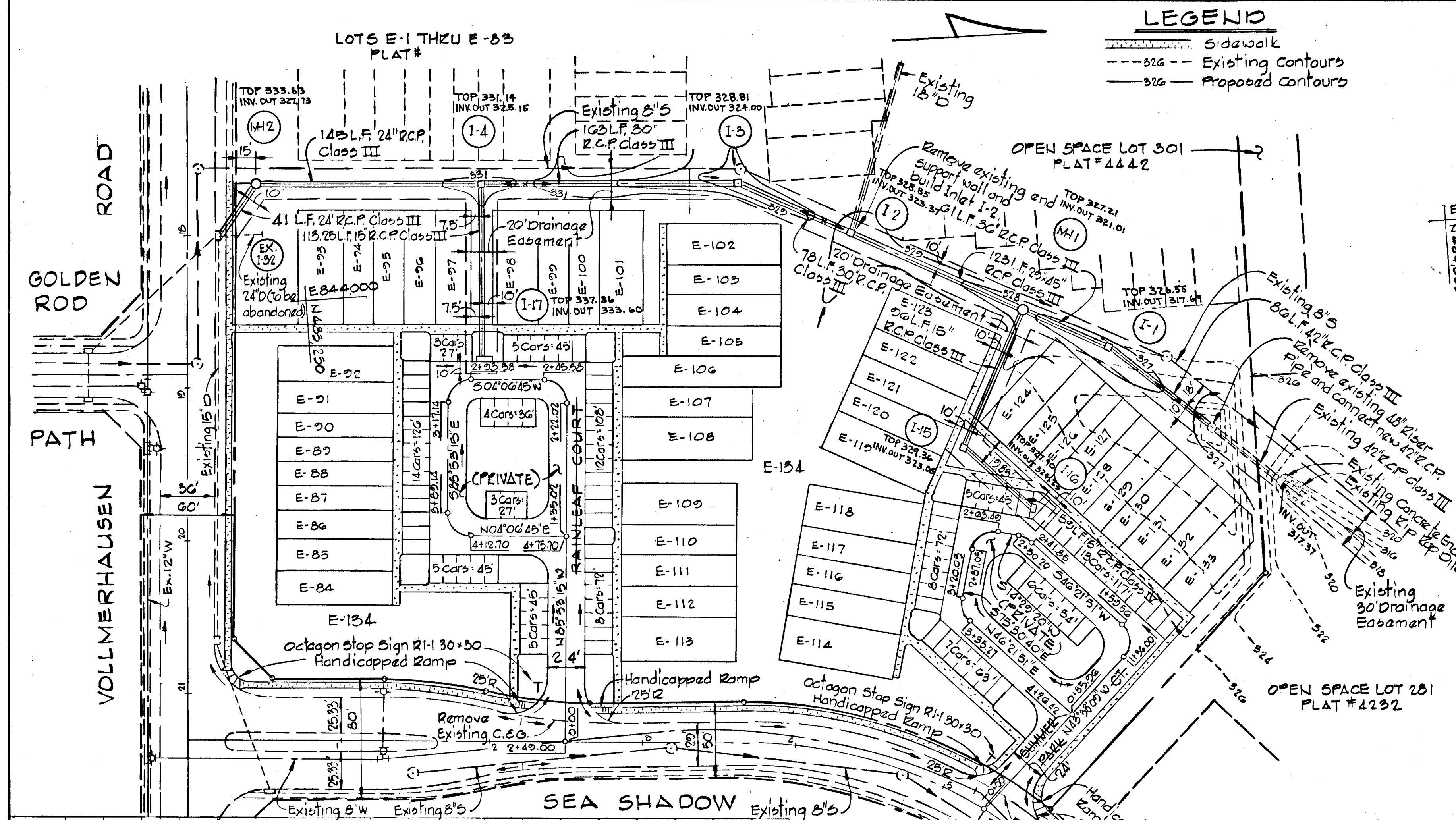
PLAN - INLET I-1

Scale: 1/4" = 1'-0"
 Detail drawn for Inlet I-1, use same dimensions for Inlet I-2. Both inlets to have openings on all 4 sides.
 I-1 Throat Opening Elev. 326.00
 I-2 Throat Opening Elev. 326.00
 8'13"15"8"

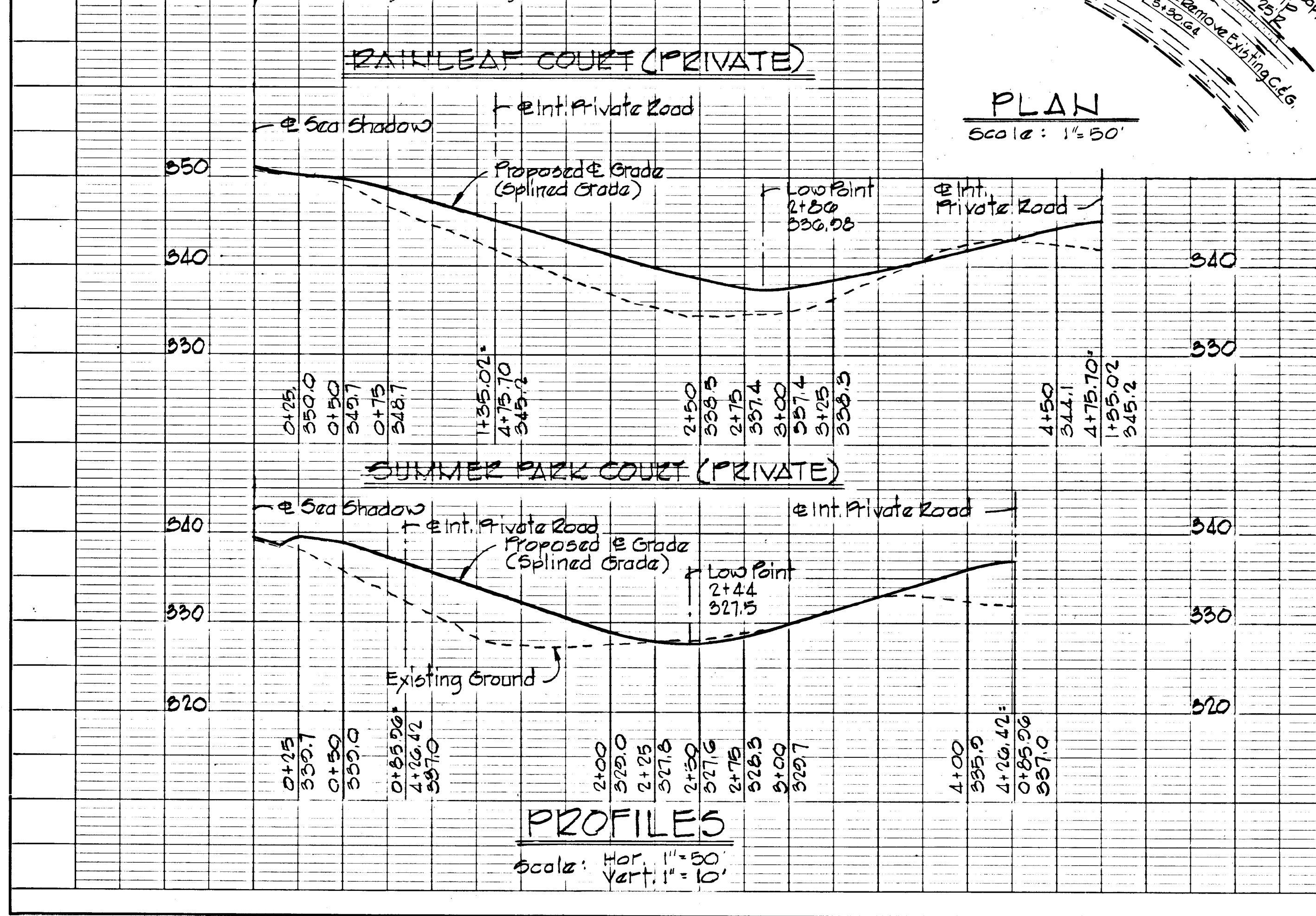


PLAN - INLET I-3

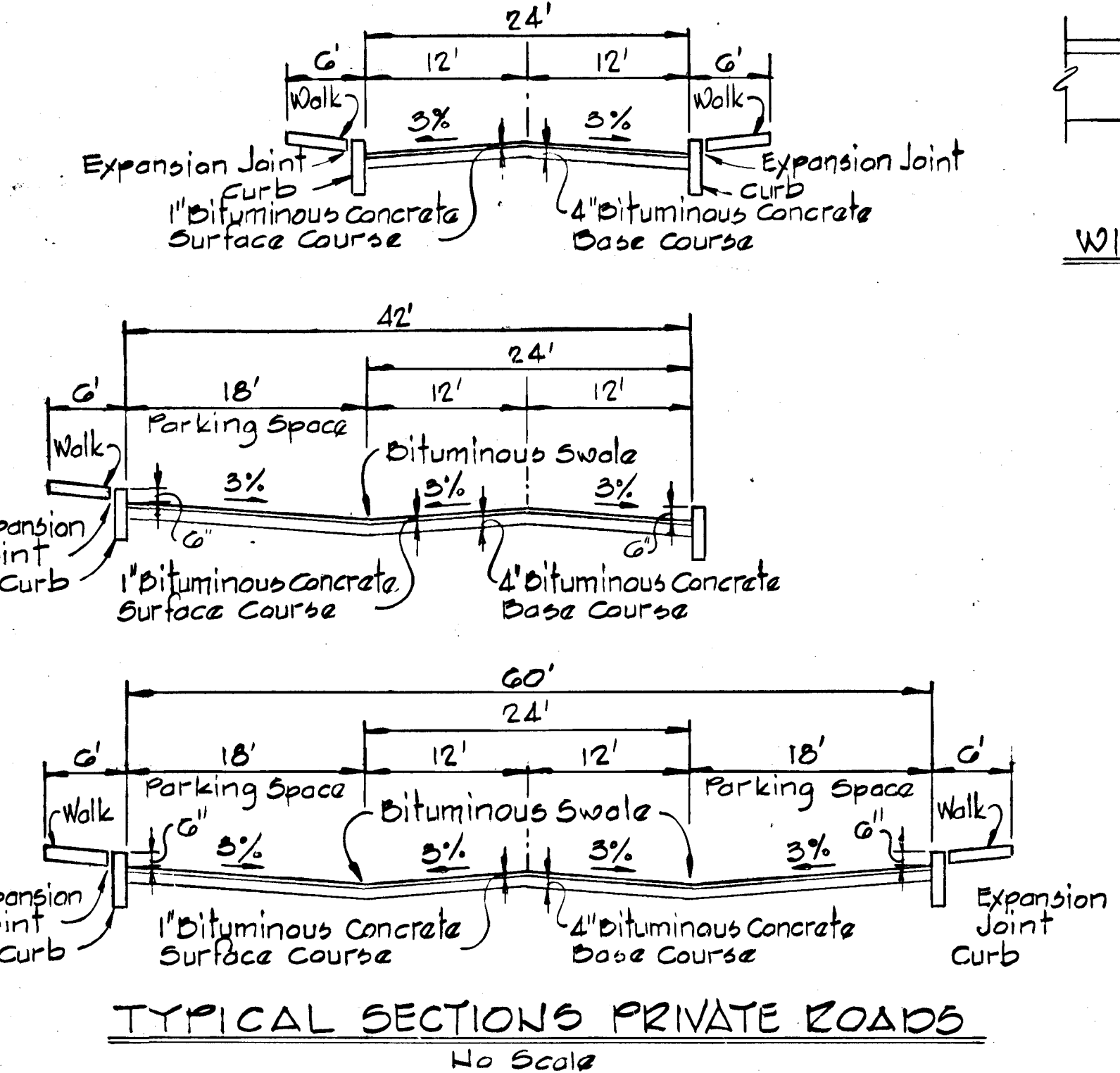
NOTE:
 For Top Slab Reinforcing, wall dimensions and bottom slab information see standard "K" Inlet, Howard County standard Drawings SD 4.11.



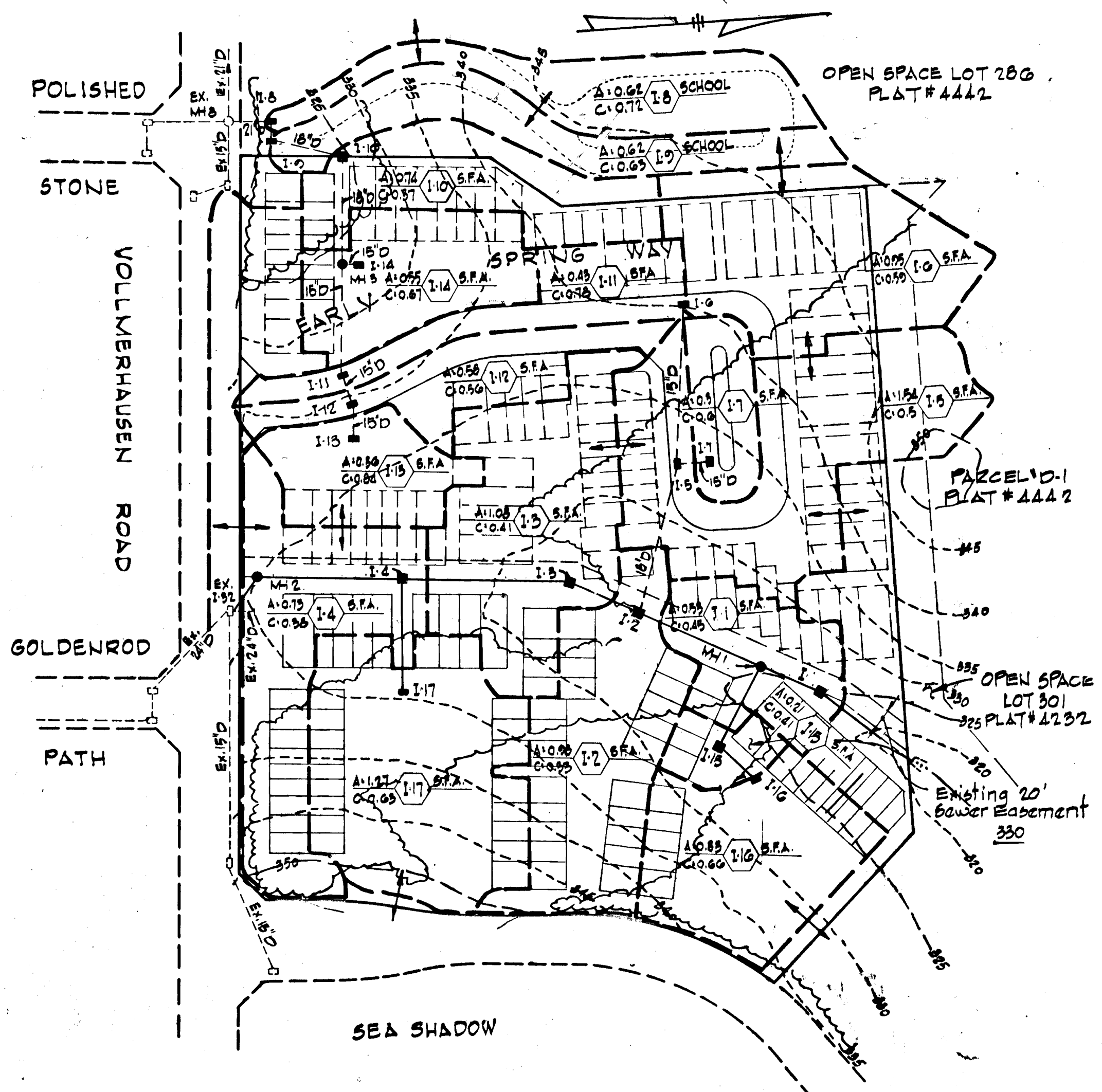
PLAN
 Scale: 1" = 50'



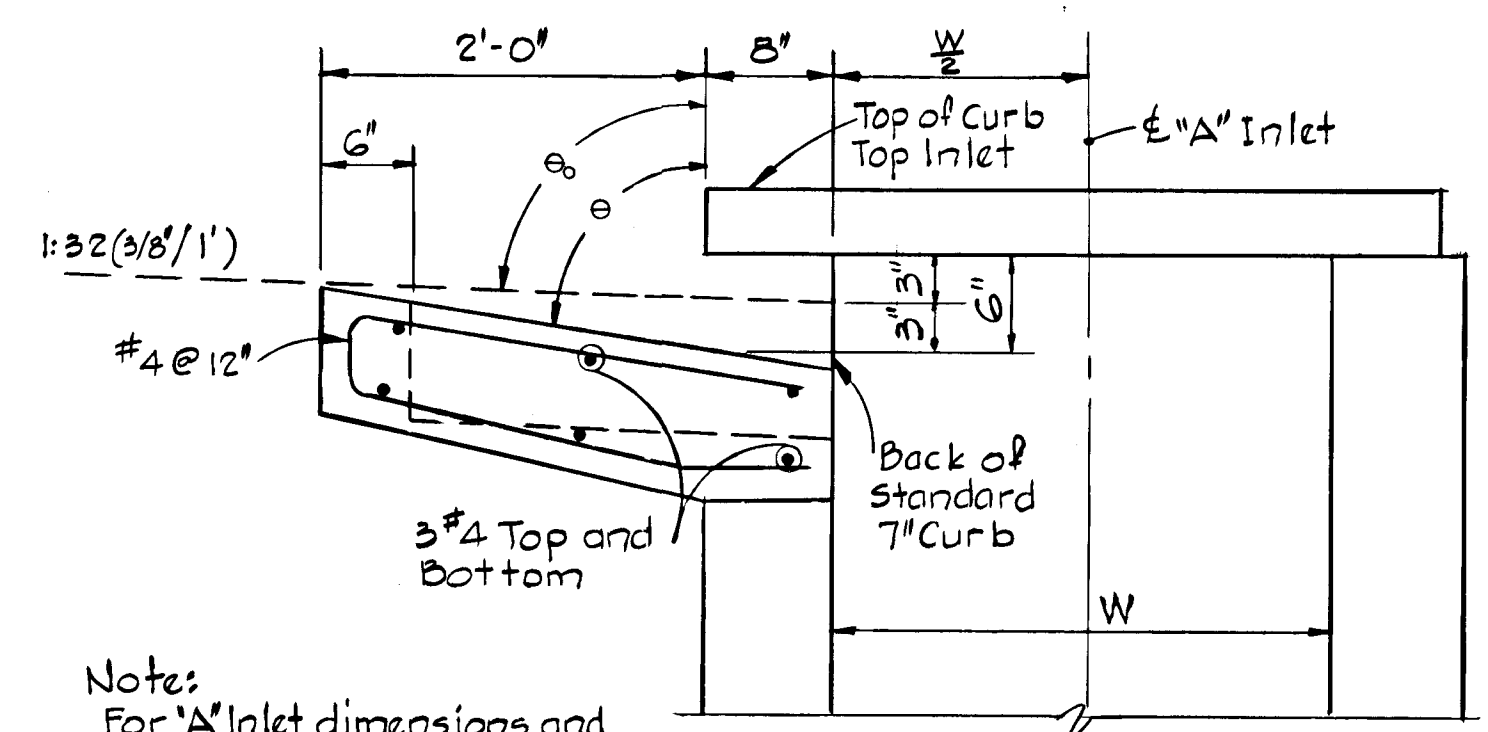
PROFILES
 Scale: Hor. 1" = 50'
 Vert. 1" = 10'



TYPICAL SECTIONS PRIVATE ROADS
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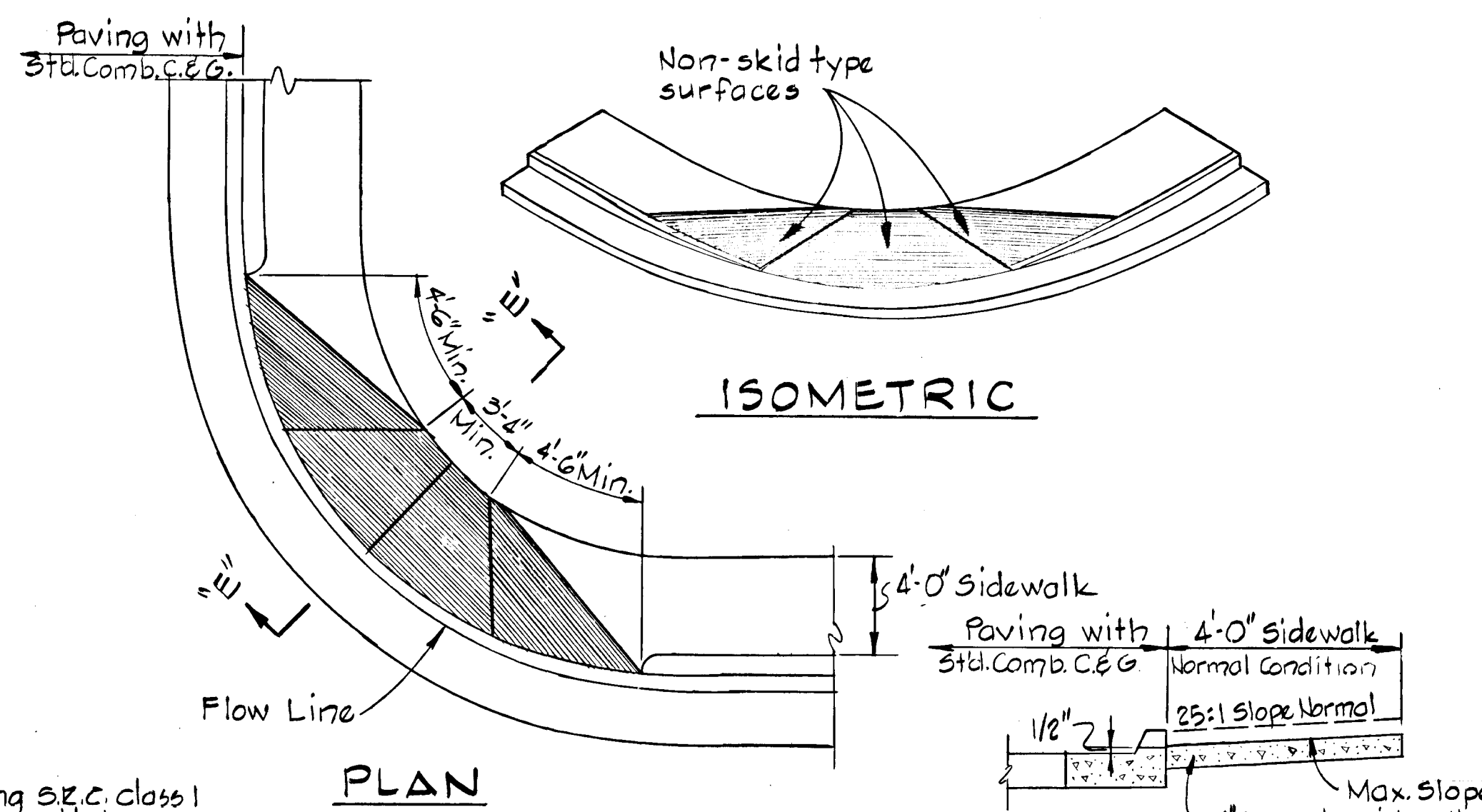


DRAINAGE AREA MAP
 Scale: 1" = 100'

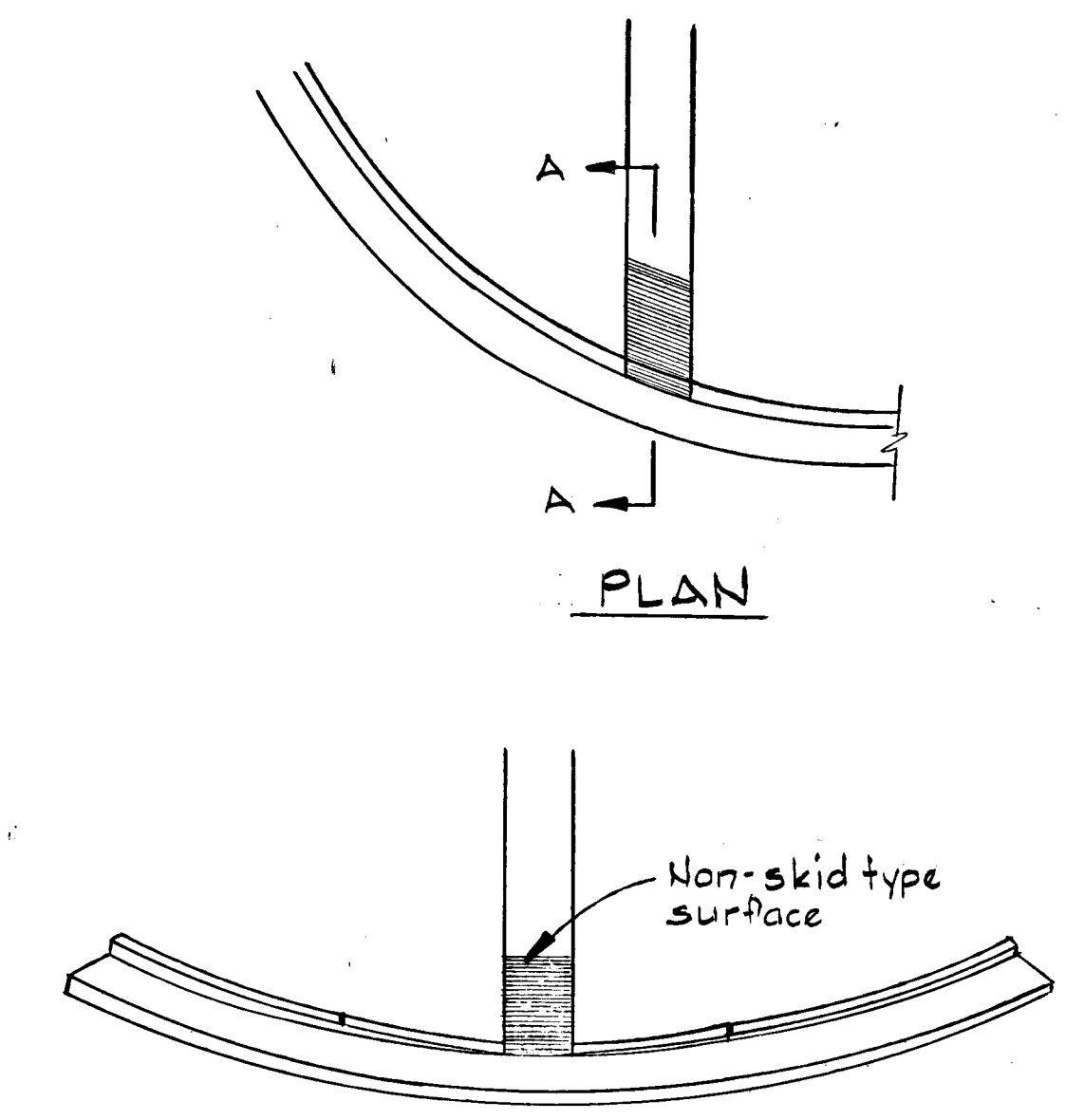


Notes:
 For 'A' Inlet dimensions and structural details. See standard Howard County Drawing 64-A Page 112-A

SECTION 'A' INLET STANDARD CURB

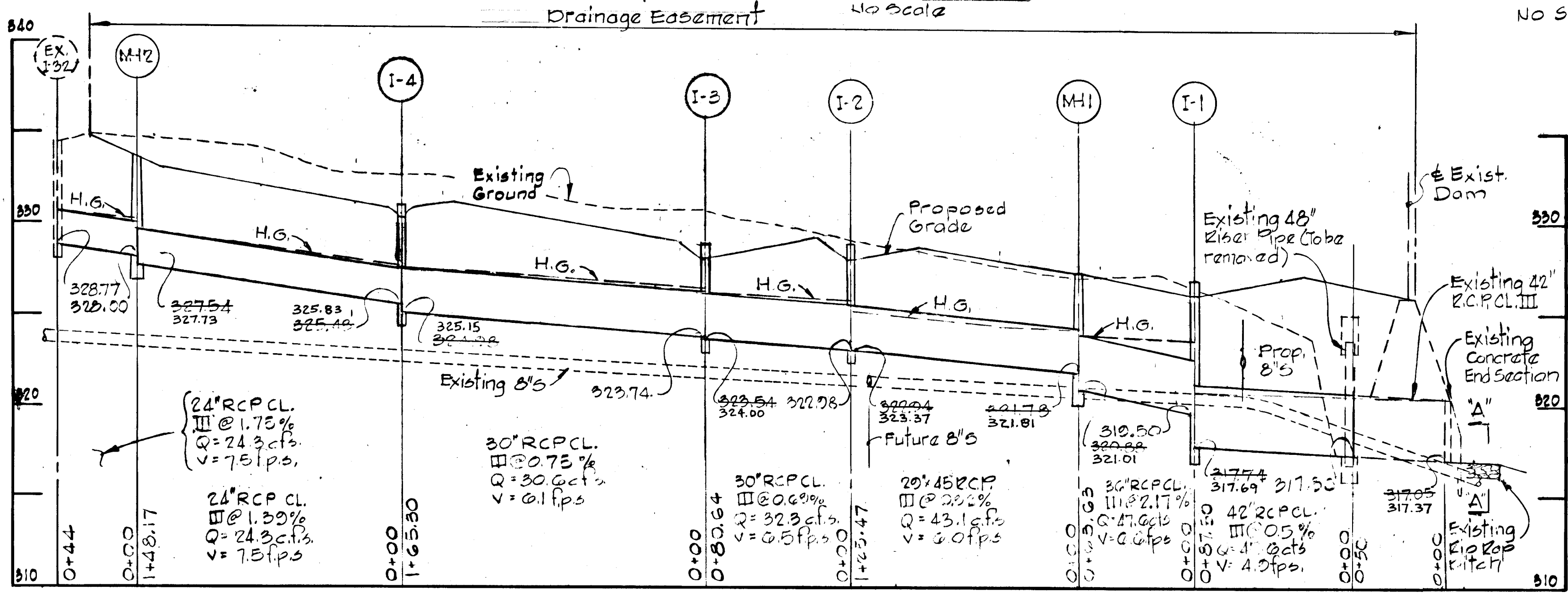


DETAIL - SIDEWALK RAMP
 No Scale

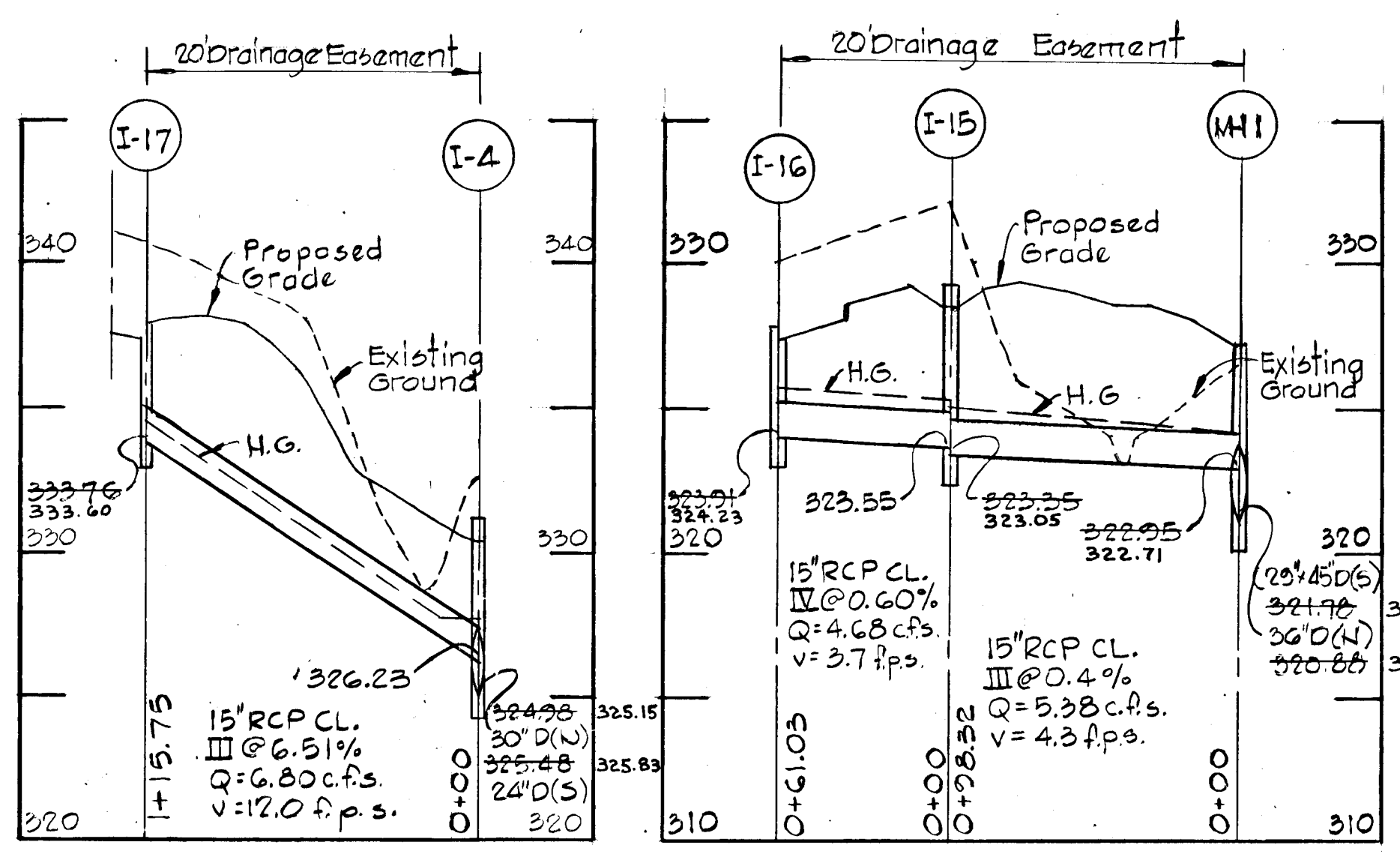


ISOMETRIC VIEW SIDEWALK RAMP
 No Scale

AS BUILT SURVEY DATA BY
 KENNETH A. McCORD MD. P.E. 1974
 MARCH 24, 1982.



PROFILES
 Scale: Horiz. 1" = 20'
 Vert. 1" = 5'



Rev. No.	Rev. Date	Revision Description
1	5/19/81	As Per Planning and P.W. Comments

COLUMBIA
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
 HOWARD HOMES BUILDING CO., INC.

PROJECT AREA
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 3 AREA 1 LOTS E-64 TO E-134
 A RESUBDIVISION OF A PORTION OF PARCEL "E"

PROJECT TITLE:
**DRAINAGE AREA MAP
 STORM DRAIN DETAILS**

SCALE: AS SHOWN DATE:

WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 2315 ST. PAUL STREET
 BALTIMORE, MARYLAND 21216

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