

OPEN SPACE
LOT 2

PARCEL "L"

NOTE:
SEE HOWARD COUNTY
STANDARD R-5.01
FOR CUL-DE-SAC
CURVE DATA

CURVE DATA

PC: 3+59.09 TO PT: 5+06.44
 $\Delta: 22^{\circ}38'08''$ Tan: 120.23'
 $R: 603.00'$ Ch: 225.82'
 Arc: 237.35'

PC: 1+05.43 TO PT: 2+58.03
 $\Delta: 14^{\circ}29'58''$ Tan: 76.71'
 $R: 603.00'$ Ch: 152.19'
 Arc: 152.60'

$\Delta: 14^{\circ}29'58''$ Tan: 50.88'
 $R: 400.00'$ Ch: 100.96'
 Arc: 101.22'

$\Delta: 14^{\circ}29'58''$ Tan: 36.59'
 $R: 287.63'$ Ch: 72.59'
 Arc: 72.79'

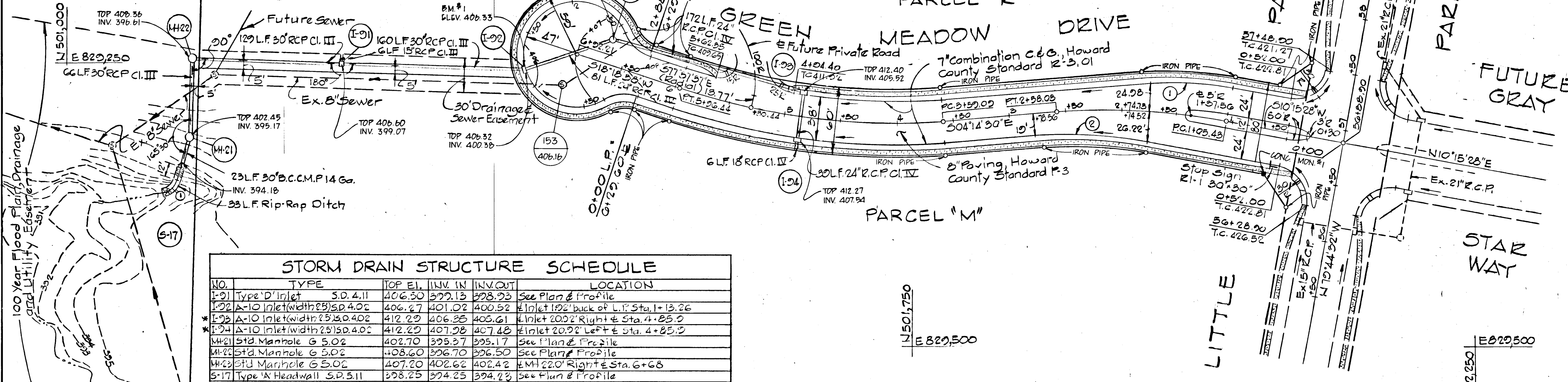
PARCEL "K"

PARCEL "M"

CURVE NO. 1
 Rad. = 18.00' Chd. = 19.48'
 Arc = 20.57' $\Delta = 65^{\circ}30'00''$
 Tan = 11.58' Chd. Brg. = S42°00'00"E

Note:
Inlet I-21 shall have
throat openings on all
4 sides. Throat
opening elev. 405.67.

DATE	
BY	
SWRTRD.	
PLANNING	
ALIGNED	
NO. OF WAT. CHECKS	
NO.	



STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	TOP EL.	INV. IN	INV. OUT	LOCATION
I-21	Type D Inlet	50.411	406.30	398.93	See Plan & Profile
I-22	A-10 Inlet (width 23.5) S.D. 4.02	406.67	401.02	400.52	417' let 192' back of L.P. Sta. 1+13.26
I-23	A-10 Inlet (width 23.5) S.D. 4.02	412.23	406.35	403.61	417' let 200' Right of Sta. 4+85.9
I-24	A-10 Inlet (width 23.5) S.D. 4.02	412.23	407.28	407.48	417' let 200' Left of Sta. 4+85.9
MH-21	Std. Manhole G 5.02	402.70	395.37	395.17	See Plan & Profile
MH-22	Std. Manhole G 5.02	408.60	396.70	396.50	See Plan & Profile
MH-23	Std. Manhole G 5.02	407.20	402.62	402.42	417' let 200' Right of Sta. 6+68
S-17	Type X Headwall S.D. 5.11	398.25	394.25	394.23	See Plan & Profile

- NOTE:
 1. All stubs shall be sloped @ 1.0%.
 2. Provide 8" brick bulkhead at the end of each stub.
 * Inlets with deflectors S.D. 4.83

NOTE: PAVING WIDTH = 36' & 2'-24" LANES
 LENGTH OF ROAD = 692'
 1 SEWER MH IN ROAD R/W

PLAN

Scale: 1" = 50'

"AS-BUILT" ELEVATIONS AS OF APRIL 9, 1985

KENNETH A. MCCORD PE 1974

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING
 OFFICE OF PLANNING & ZONING
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

NOTE: FOR EXISTING LITTLE PATUXENT PARKWAY PLAN AND PROFILE, SEE CONSTRUCTION DRAWINGS FOR VILLAGE OF HICKORY RIDGE SECTION 3 AREA 3 (F-84-29).

1/5/84	2	Relocated I-23 to 24' Private Road
9/27/83	1	As Per D.P.W. C.S.C.D. Comments
REV. DATE	REV. NO.	REVISION DESCRIPTION

COLUMBIA
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORPORATION

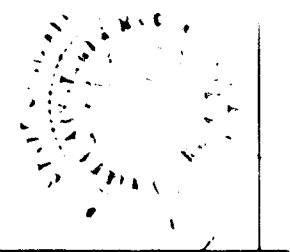
PROJECT AREA
 VILLAGE OF HICKORY RIDGE
 SECTION 3 AREA 4

PROJECT TITLE
 PLAN AND PROFILE
 GREEN MEADOW DRIVE

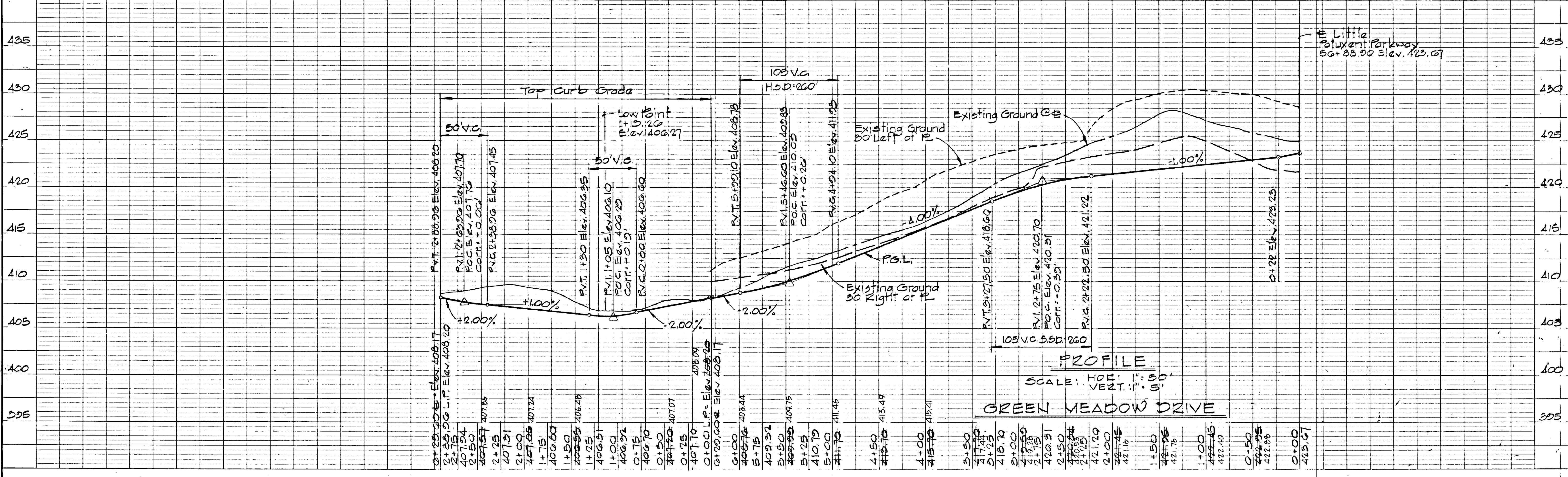
SCALE: AS SHOWN DATE:

WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21215

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



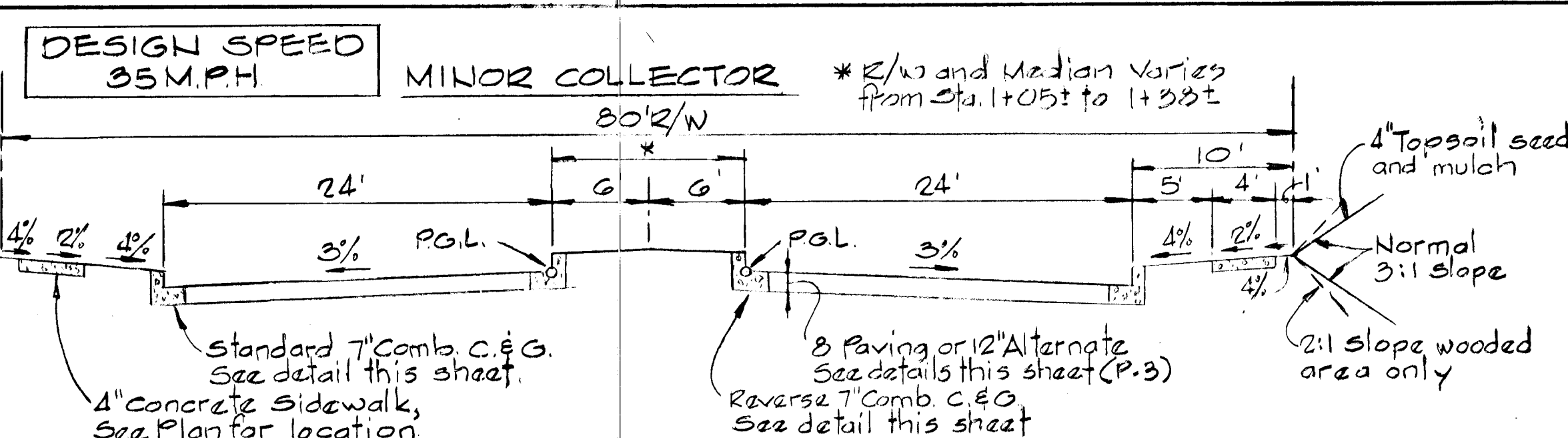
DATE	
BY	
SWRTRD.	
PLANNING	
GRADES CHECKED	
NO. OF WAT. CHECKS	
NO.	



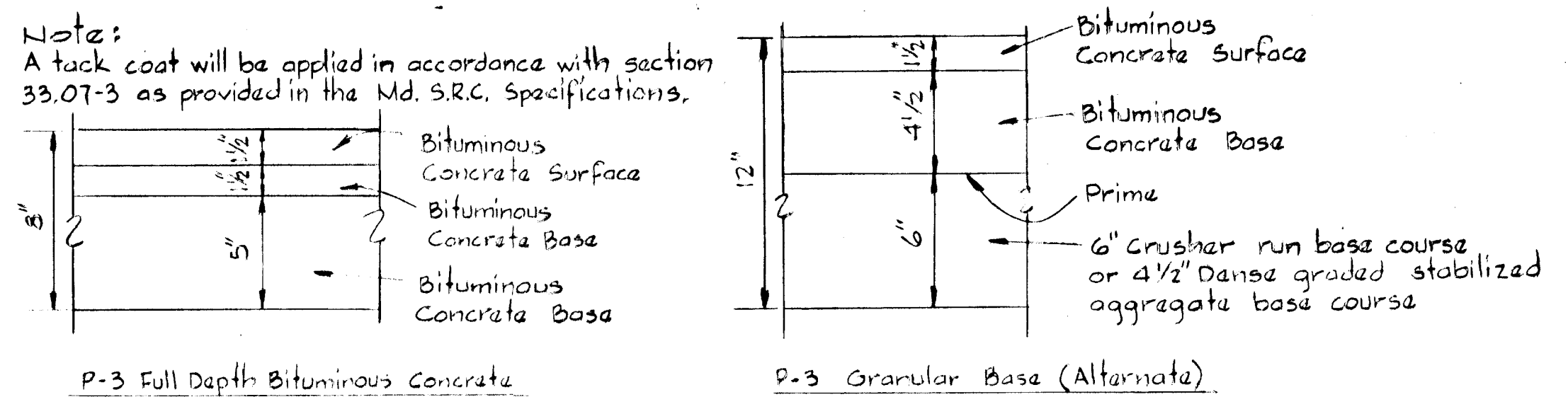
PROFILE

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

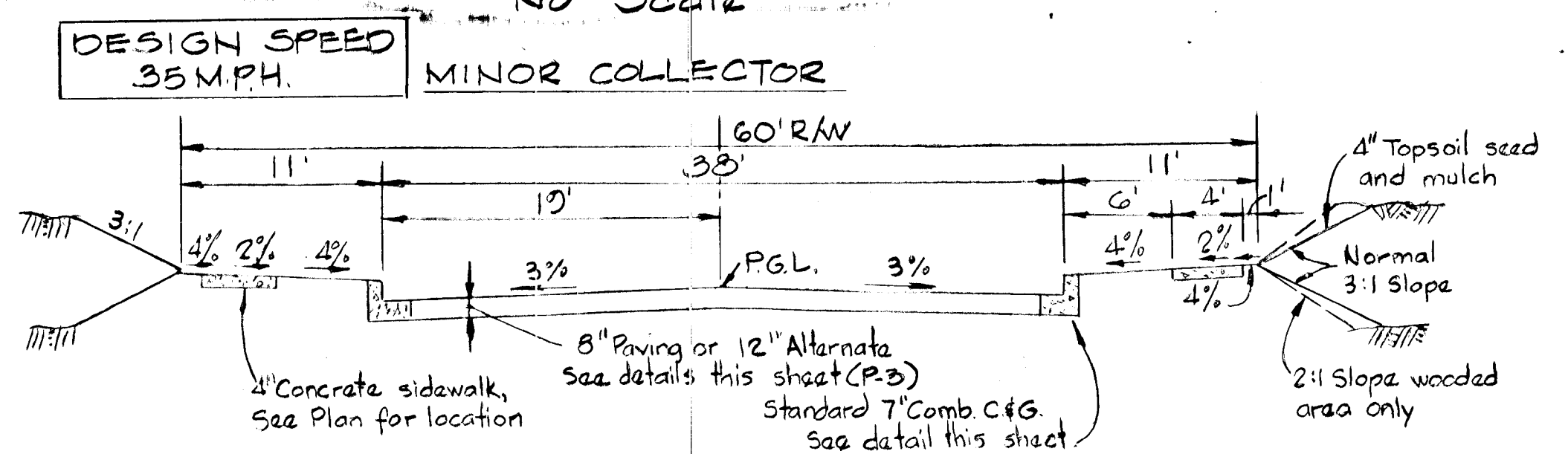
GREEN MEADOW DRIVE



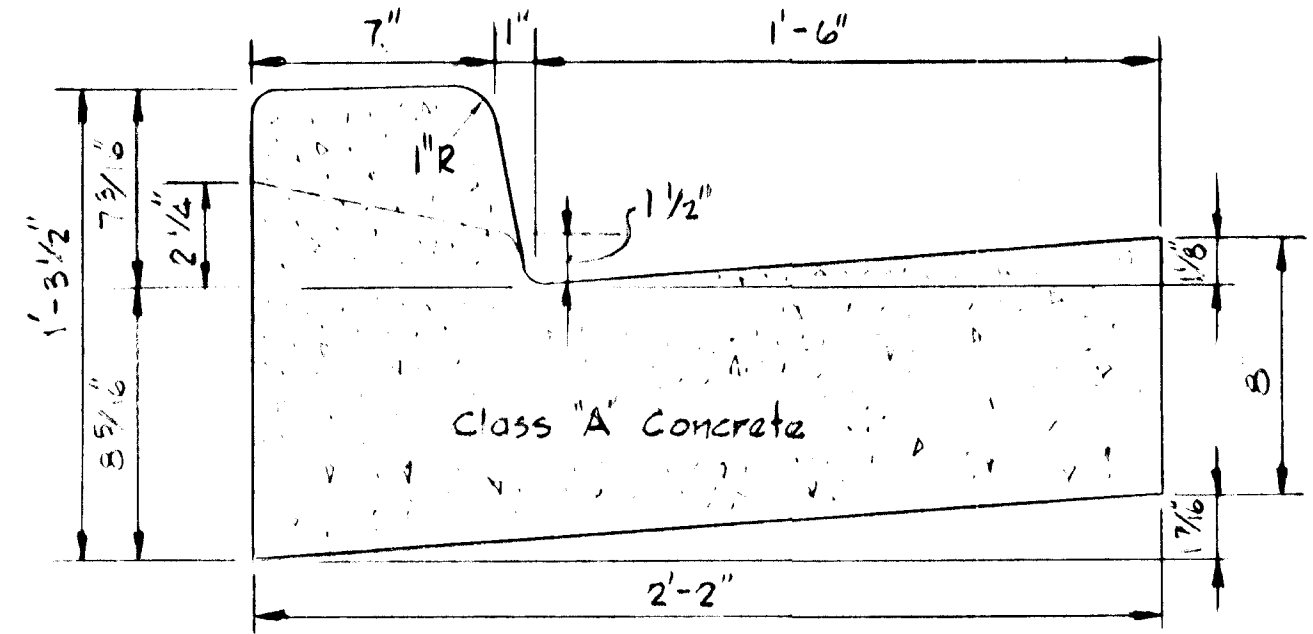
DESIGN SPEED 35 M.P.H. MINOR COLLECTOR
 GREEN MEADOW DRIVE - 0+50 to 1+05±
 TYPICAL SECTION
 No Scale



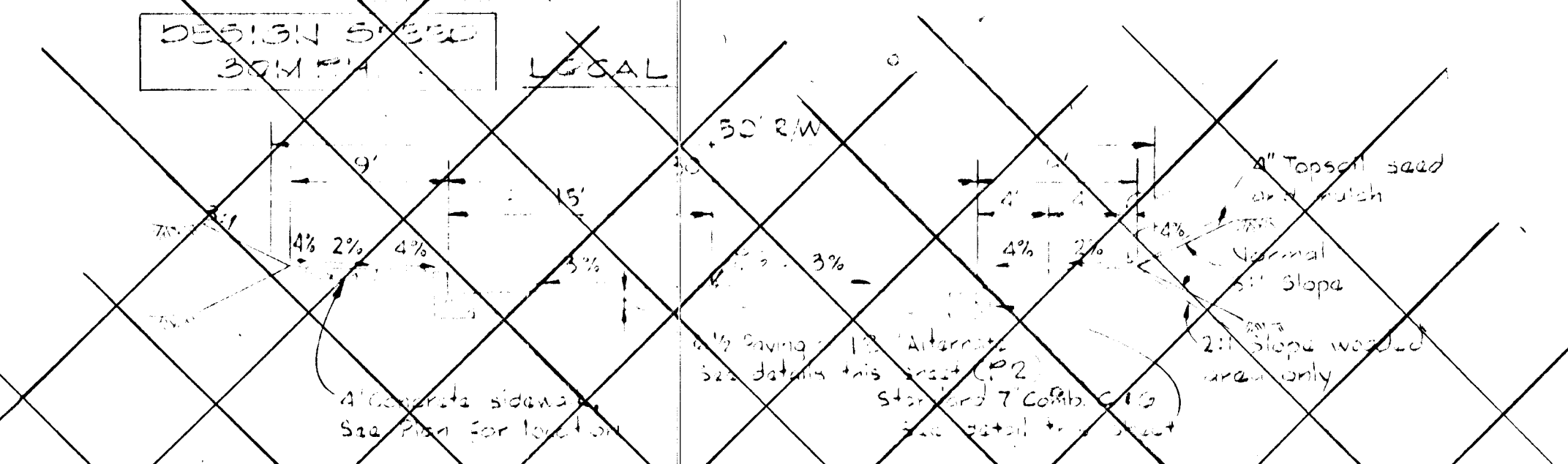
TYPICAL PAVING SECTION
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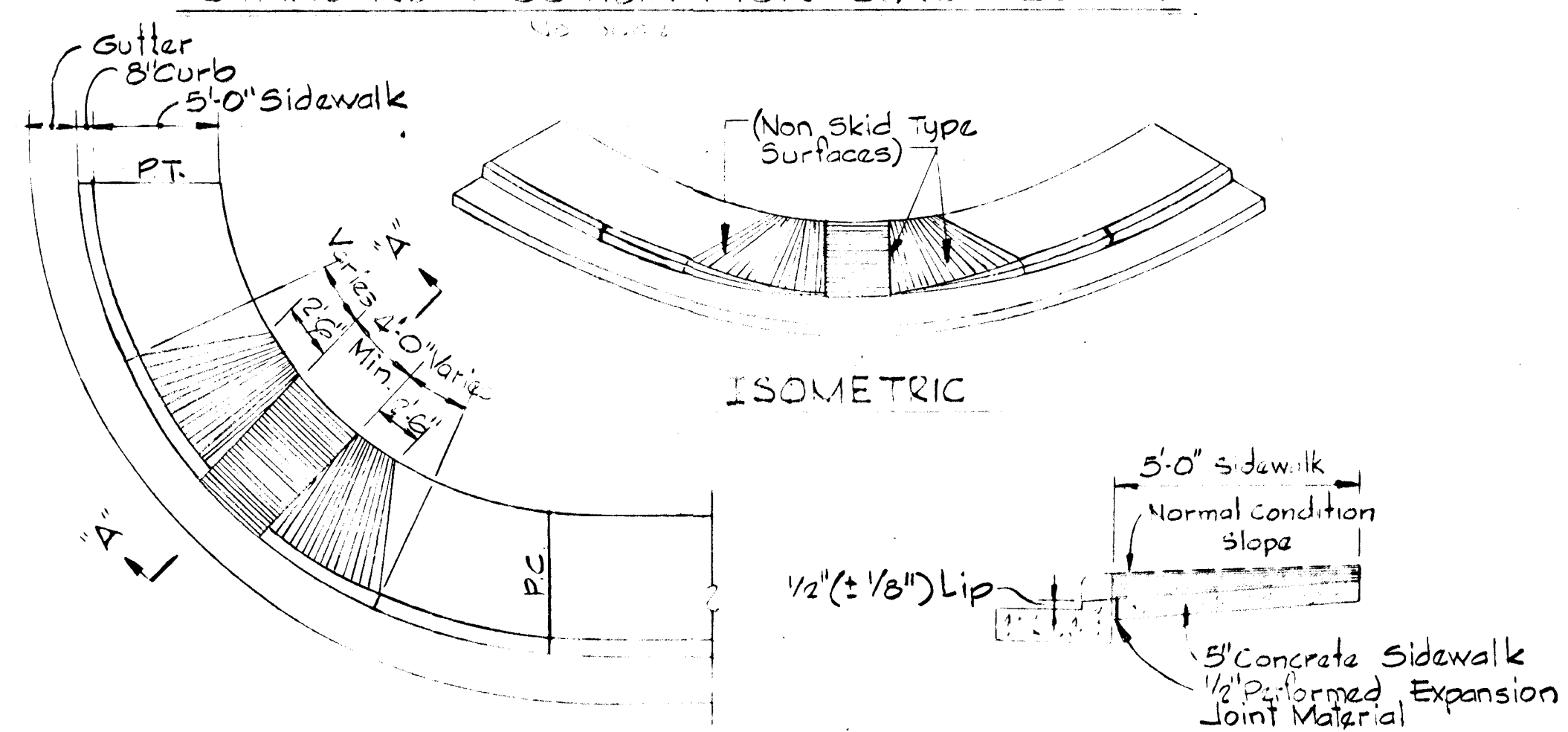
DESIGN SPEED 35 M.P.H. MINOR COLLECTOR
 GREEN MEADOW DRIVE - 2+73 to 6+80
 TYPICAL SECTION
 No Scale



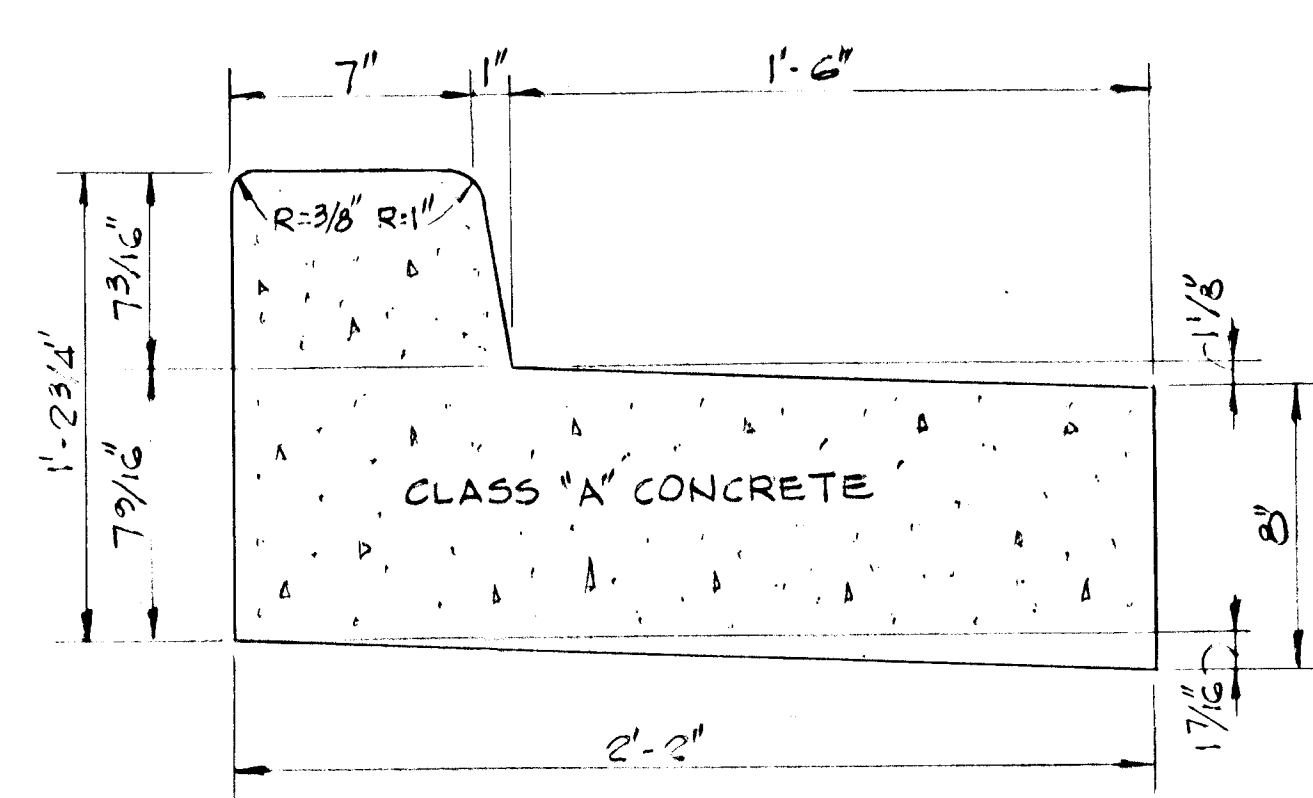
STANDARD 7" COMBINATION CURB & GUTTER
 No Scale



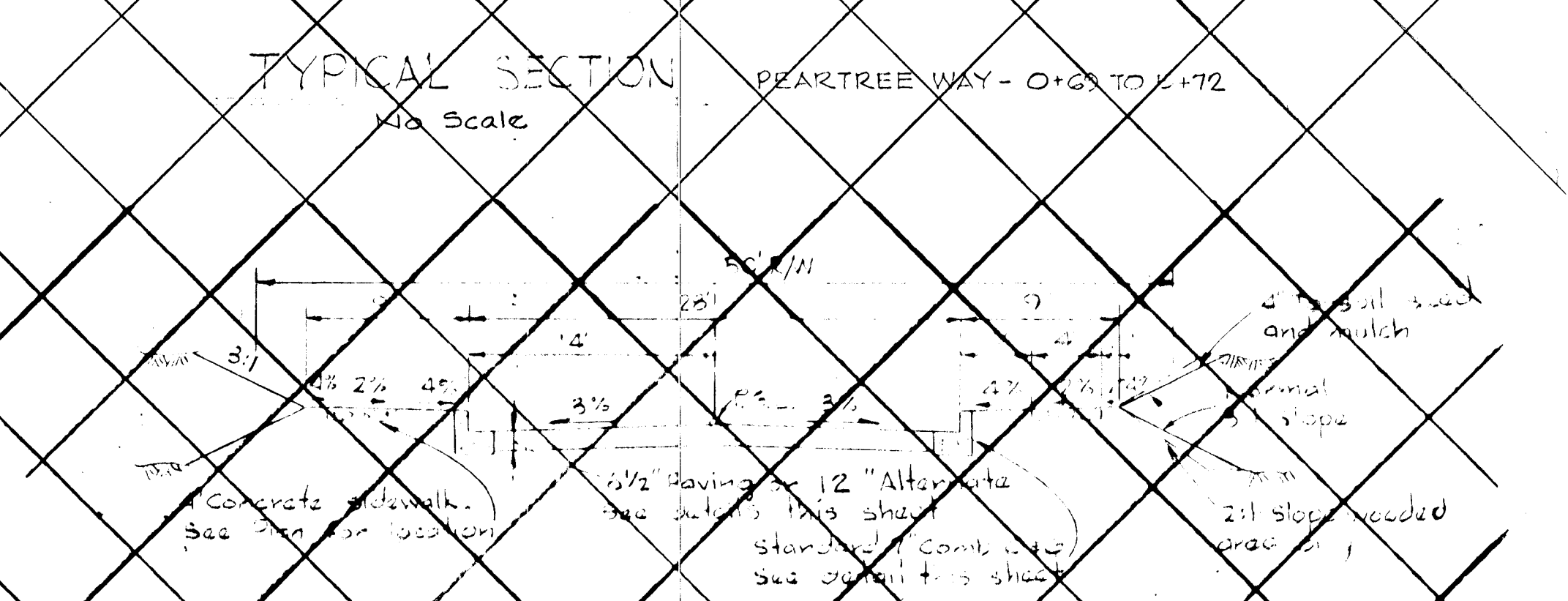
TYPICAL SECTION
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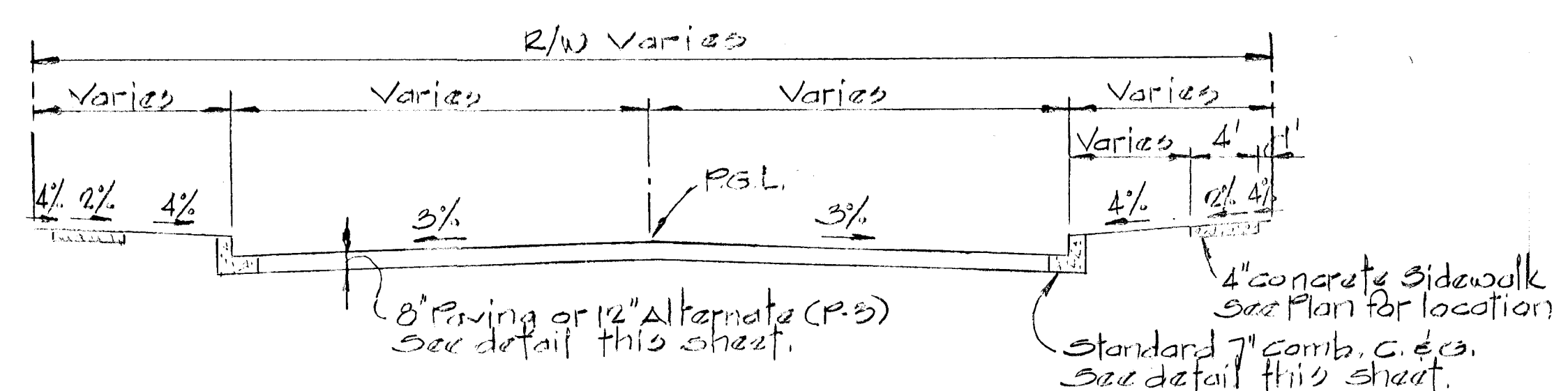
WHEEL CHAIR RAMP DETAIL
 No Scale



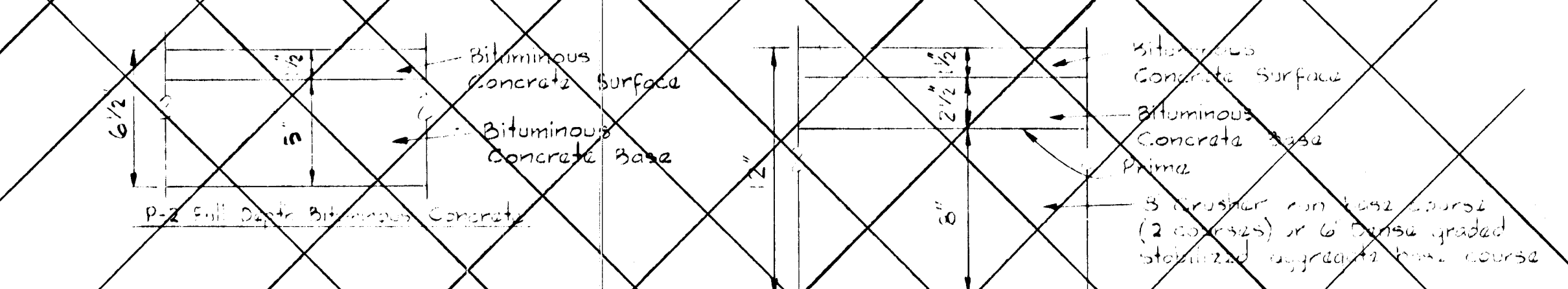
REVERSE 7" COMBINATION CURB & GUTTER
 No Scale



TYPICAL SECTION
 No Scale



GREEN MEADOW DRIVE
 SECTION THRU TRANSITION 1+37± TO 2+73±
 No Scale

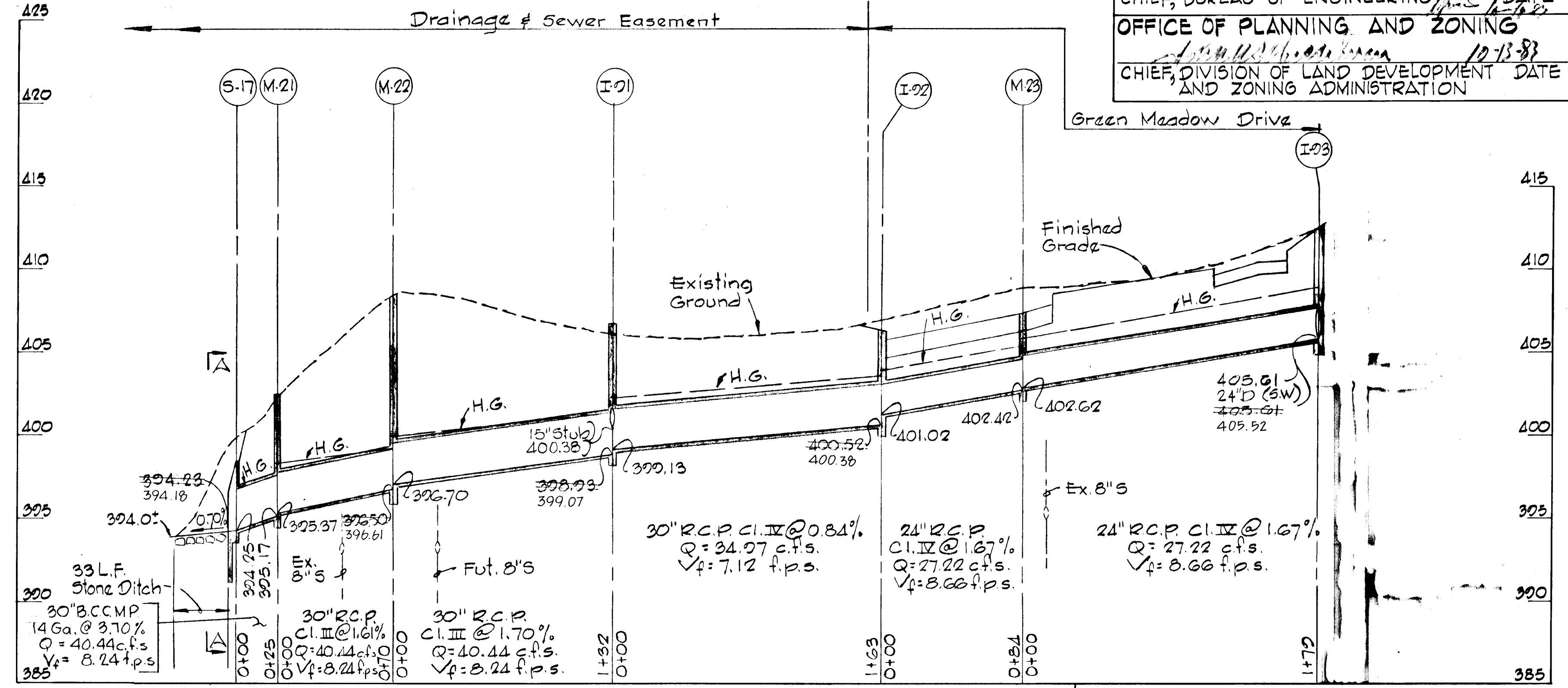
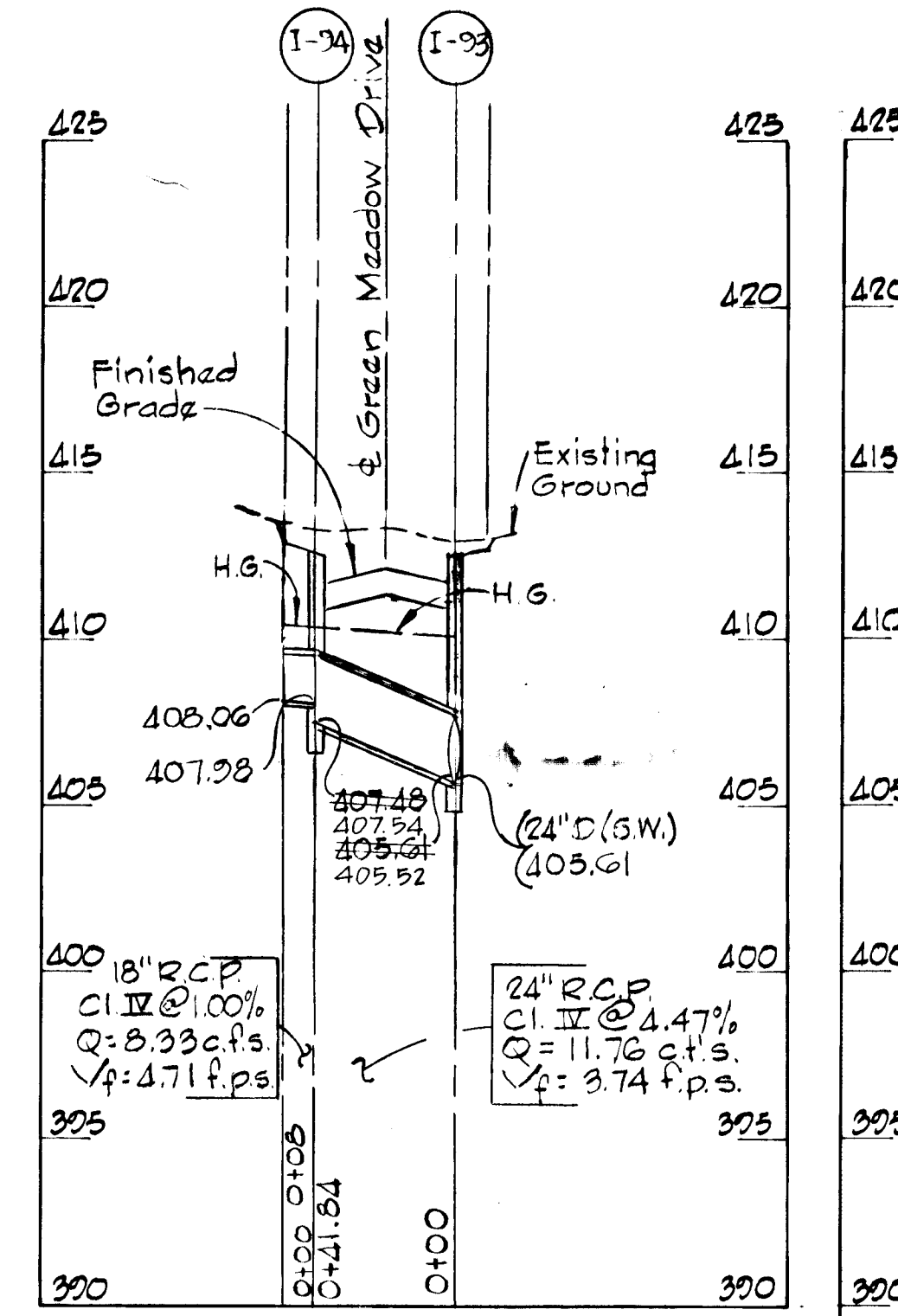


TYPICAL PAVING SECTION
 No Scale

REV. DATE	REV. NO.	REVISION DESCRIPTION
0/07/20	1	AS PER D.P.W. & S.C.E. COMMENTS
COLUMBIA 5 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND OWNER AND DEVELOPER THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION THE ROUSE BUILDING COLUMBIA, MARYLAND 21044		
PROJECT AREA		
VILLAGE OF HICKORY RIDGE SECTION 3 AREA 4		
PROJECT TITLE		
ROADWAY DETAILS		
SCALE: AS SHOWN		DATE
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MARYLAND 21218		
Kenneth A. McCord Registered Engineer No. 1974		

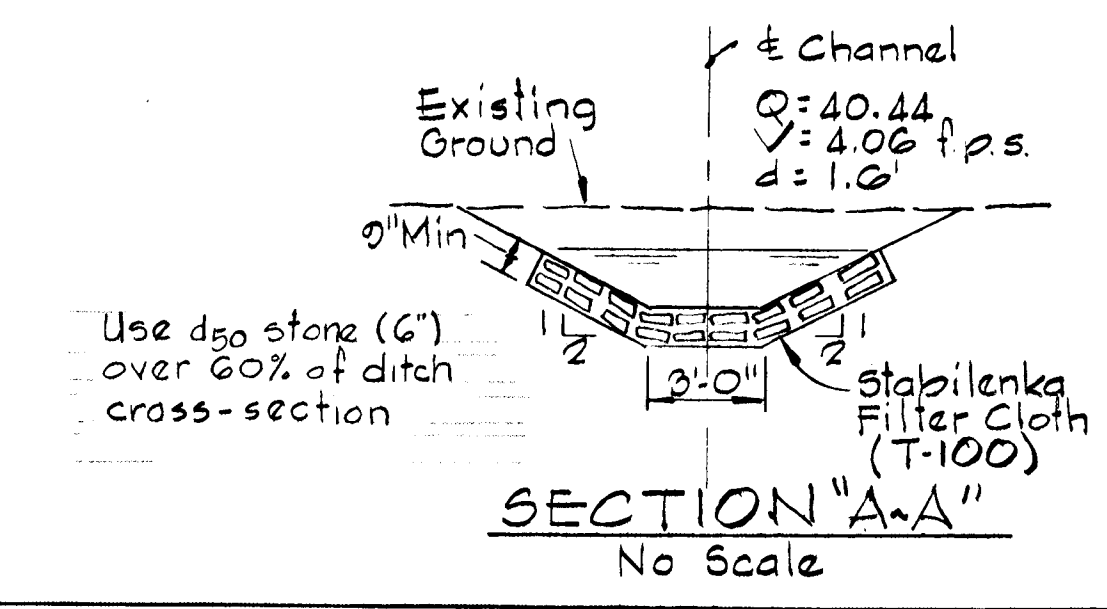
KENNETH A. McCORD PE #1974

DEPARTMENT OF PUBLIC WORKS
 CHIEF, BUREAU OF ENGINEERING
 OFFICE OF PLANNING AND ZONING
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION



PROFILES

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



Note:
 The type of bedding used for storm drain pipe shall be Class C, shaped subgrade. If rock is encountered, the trench invert should be overexcavated 6-inches and the overexcavation of 6-inches refilled with granular material.

Rev. Date	Rev. No.	Revision Description
1/5/84	2	Revised Profile for I-23 #1-24
2/4/85	1	As Per DPW & S.C.D. Comments

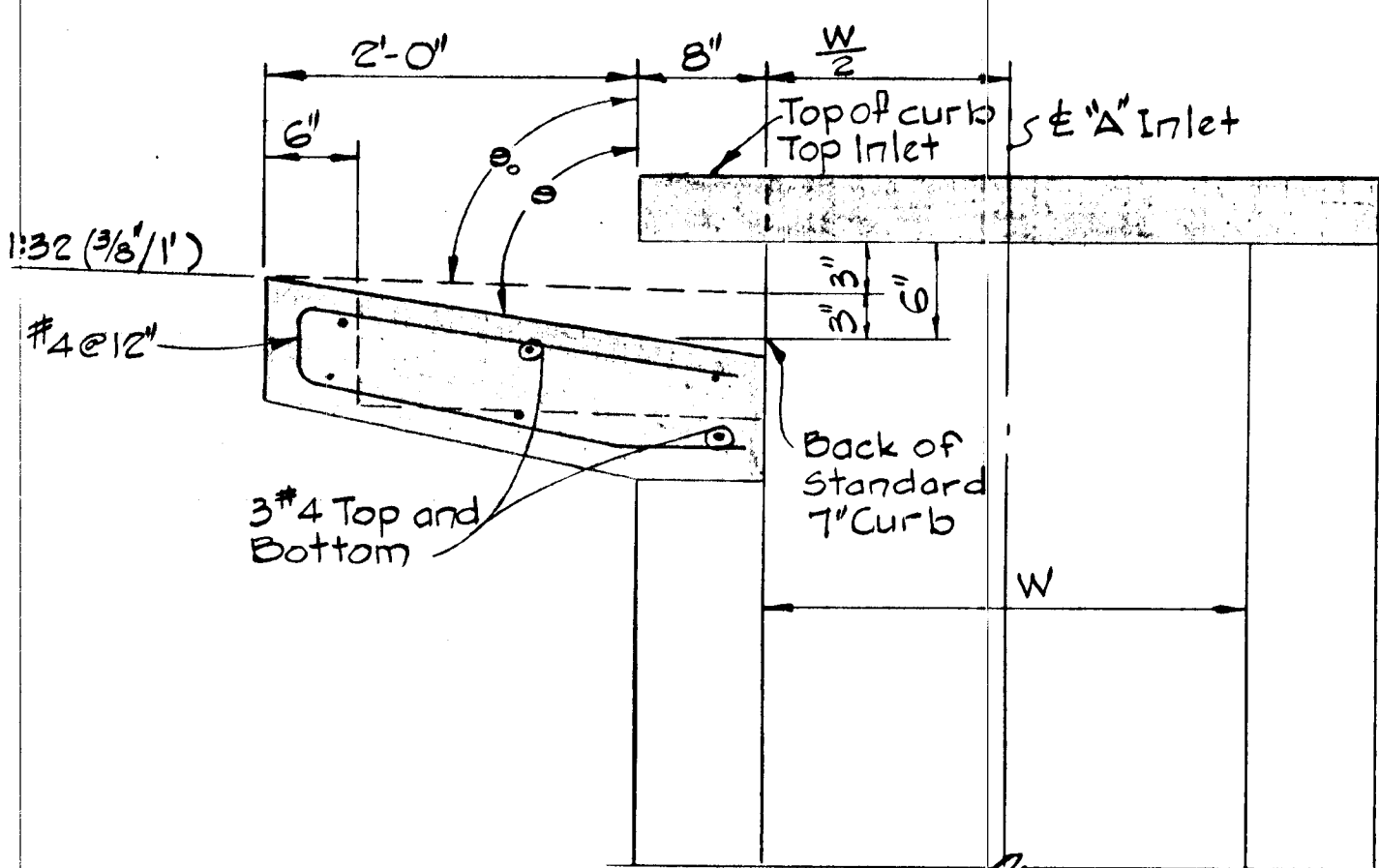
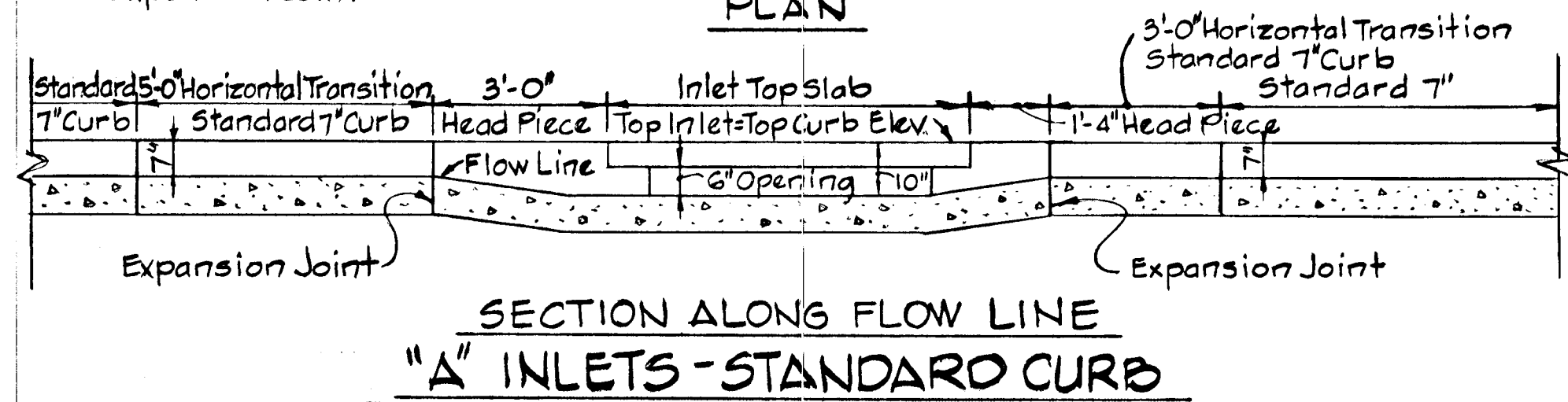
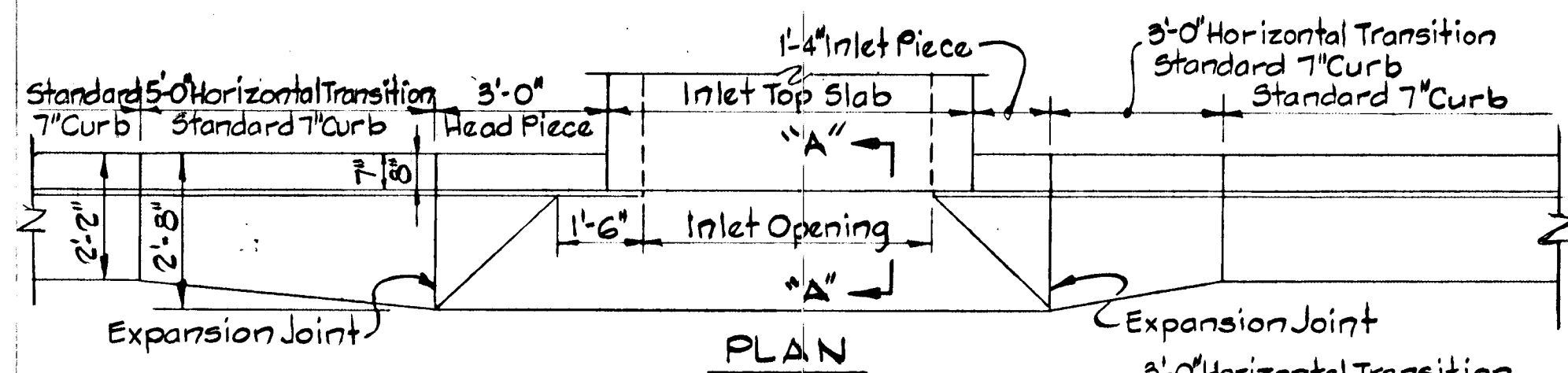
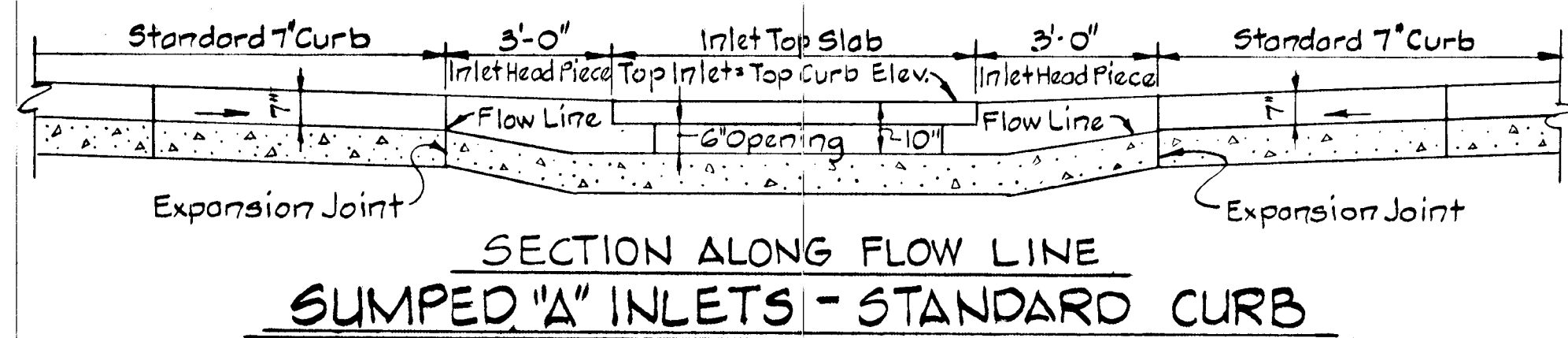
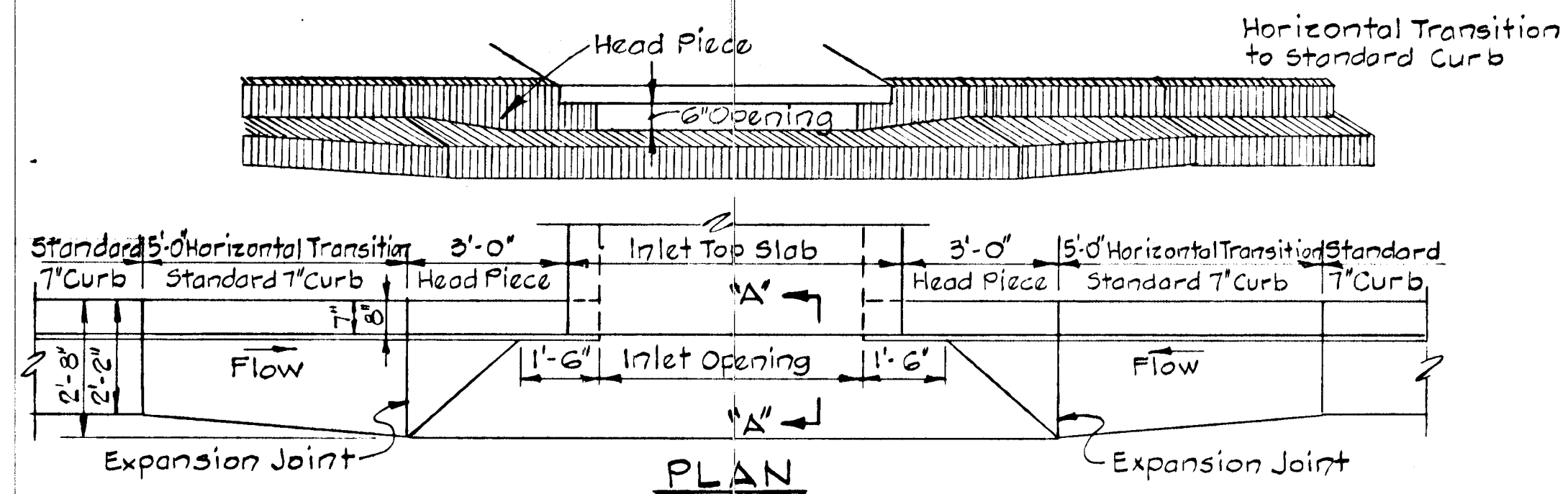
COLUMBIA
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 OWNER AND DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORPORATION

PROJECT AREA
 VILLAGE OF HICKORY RIDGE
 SECTION 3 AREA 4

PROJECT TITLE
 STORM DRAIN PROFILES

SCALE: As Shown DATE:
 WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 2315 ST. PAUL STREET
 BALTIMORE, MARYLAND 21218

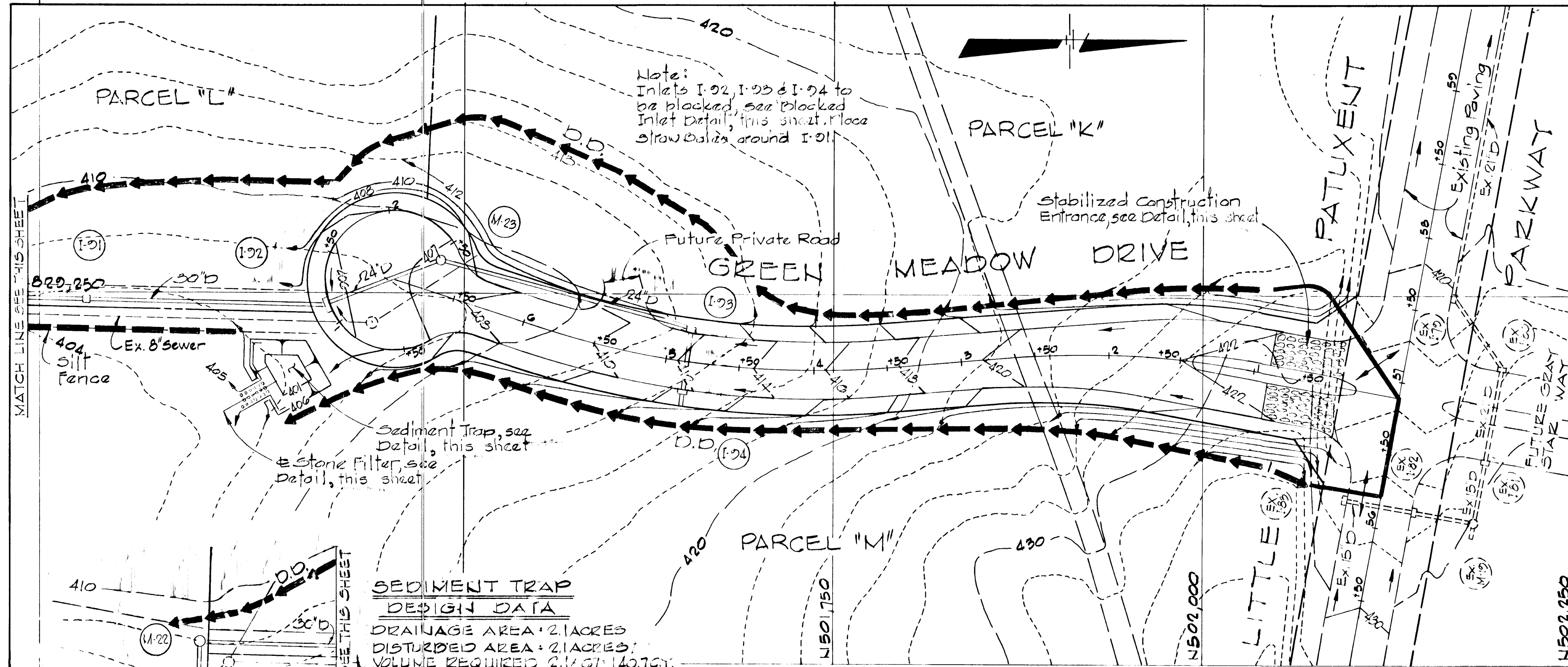
Kenneth A. McCord
 KENNETH A. McCORD
 Registered Engineer
 No. 1974



SECTION "A-A"
 "A" INLET-STANDARD CURB

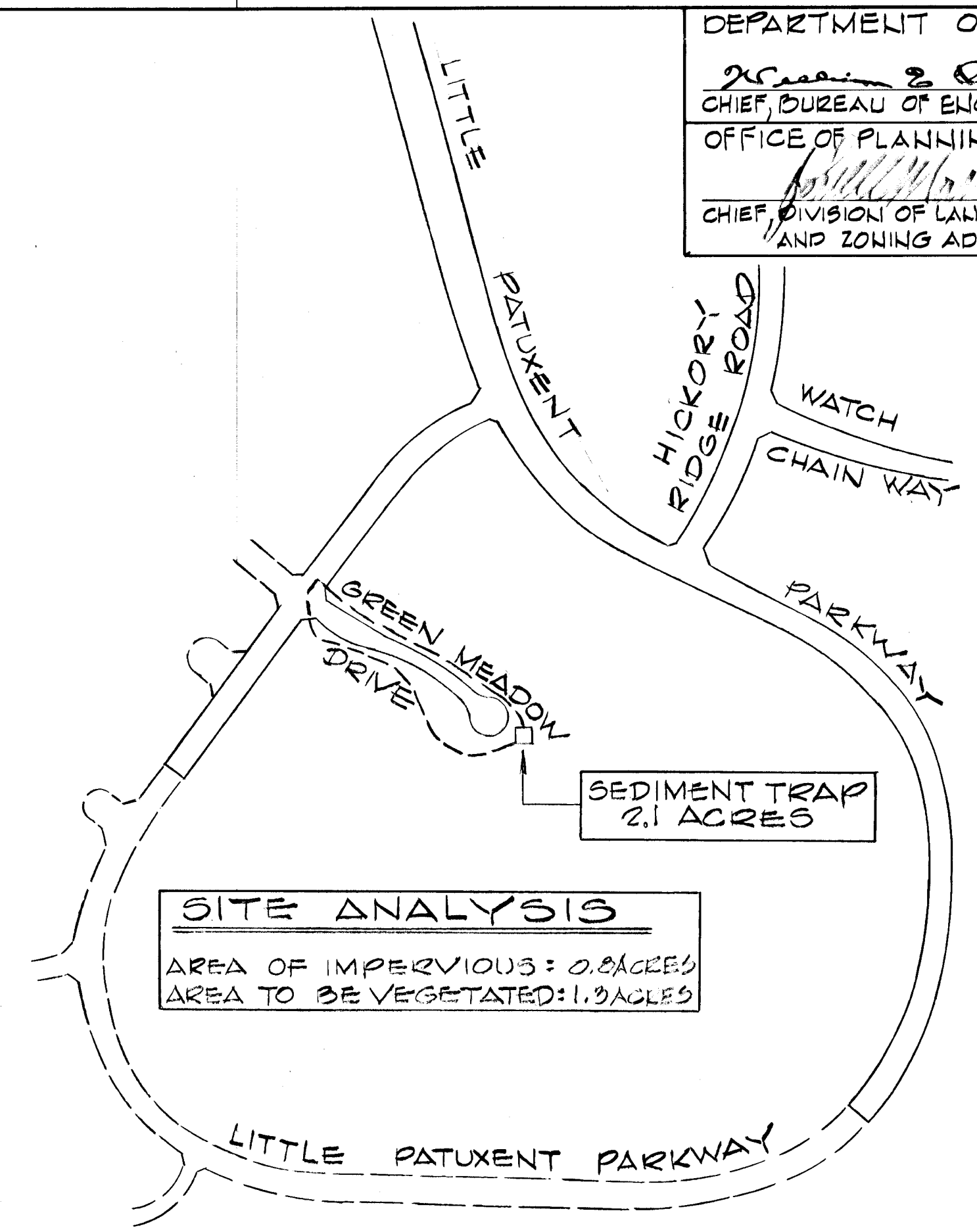
Rev. Date	Rev. No.	Revision Description
01/20/83	1	As Per DPW & S.C.S. Comments
COLUMBIA 5 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORPORATION PROJECT AREA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 4 PROJECT TITLE STORM DRAIN DETAILS SCALE: As Shown DATE: WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MARYLAND 21218 Kenneth A. McCord Registered Engineer No. 1974		

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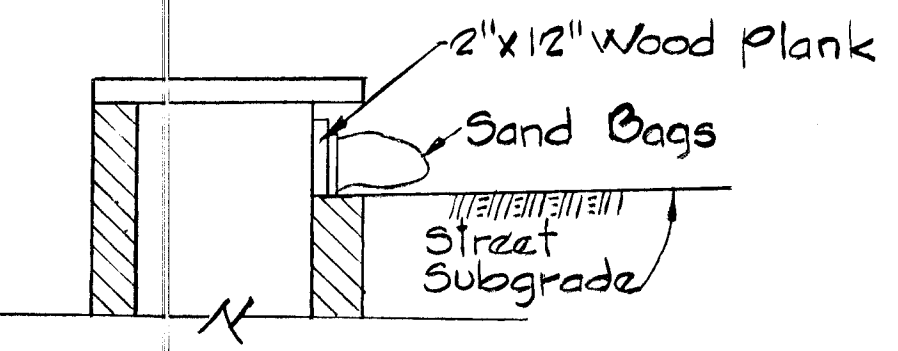
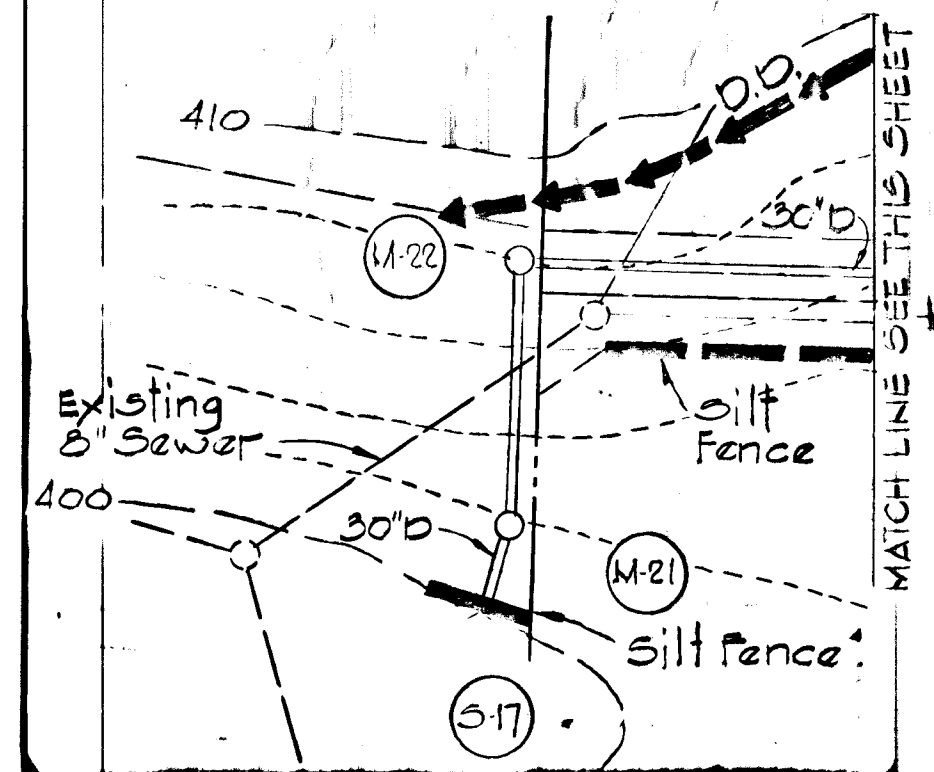
SEDIMENT TRAP DESIGN DATA
 DRAINAGE AREA: 2.1 ACRES
 DISTURBED AREA: 2.1 ACRES
 VOLUME REQUIRED: 2,107,140 GALS.
 VOLUME AVAILABLE: 155 GALS.
 TOP BERM ELEV.: 406.0
 DESIGN CAPACITY ELEV.: 403.0
 BOTTOM TRAP ELEV.: 401.0
 STONE FILTER WIDTH: 6' x 2.1' x 12.0'

PLAN
 Scale: 1" = 50'



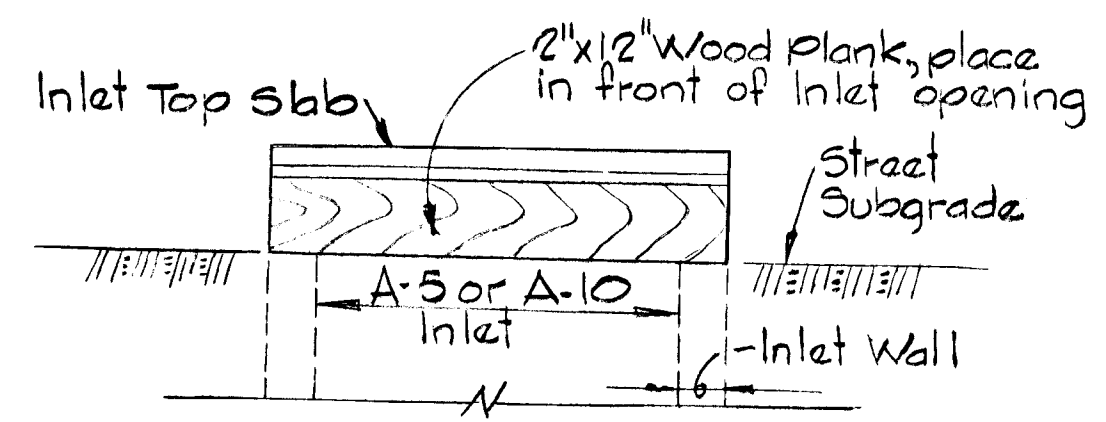
DRAINAGE AREA MAP
 Scale: 1" = 400'

SITE ANALYSIS
 AREA OF IMPERVIOUS: 0.8 ACRES
 AREA TO BE VEGETATED: 1.3 ACRES



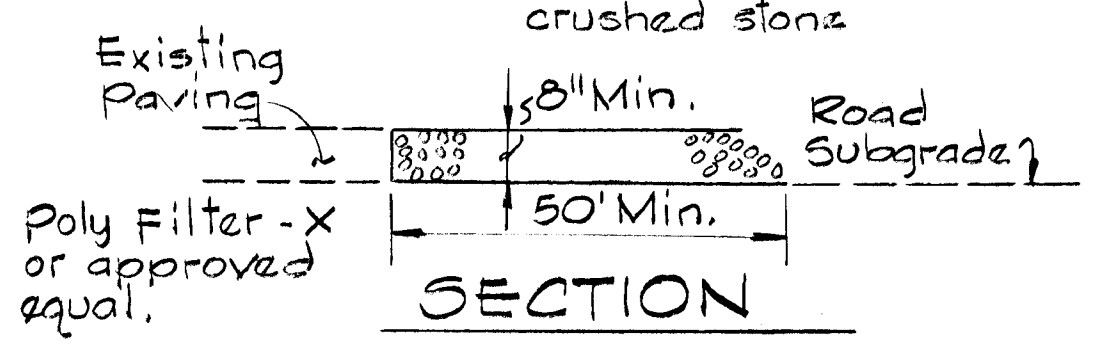
SECTION

BLOCKED INLET DETAIL
 No Scale



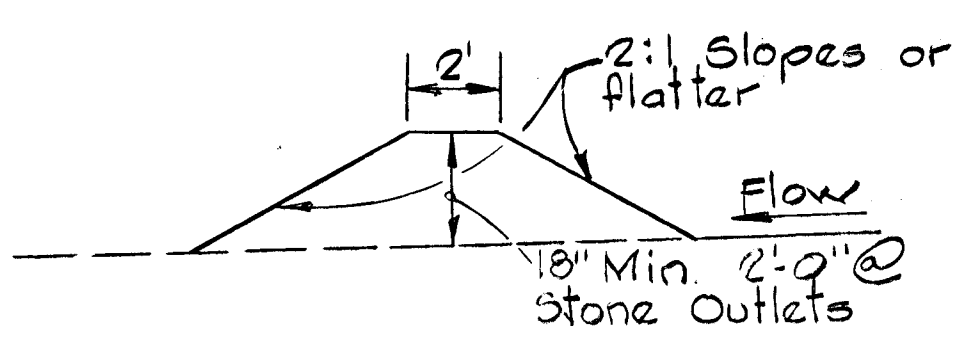
FRONT ELEVATION

SECTION

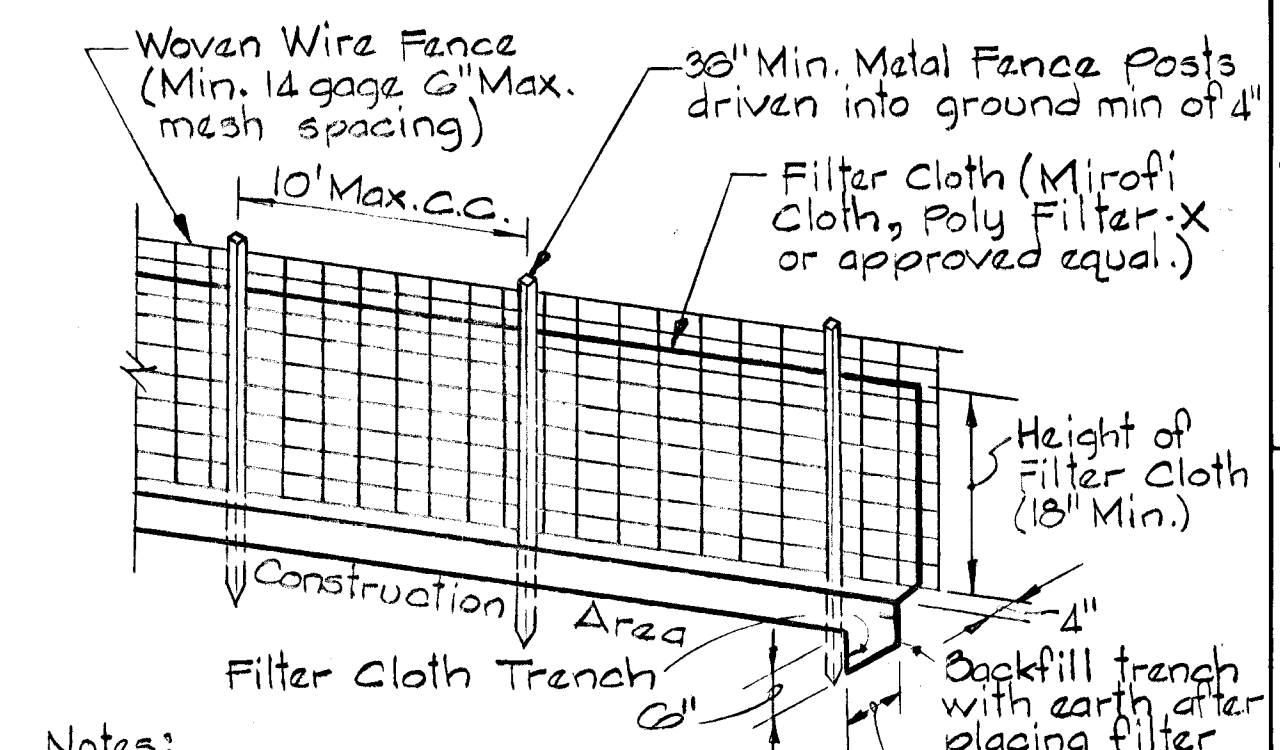


SECTION

STABILIZED CONSTRUCTION ENTRANCE DETAIL
 No Scale



DIVERSION DIKE
 No Scale



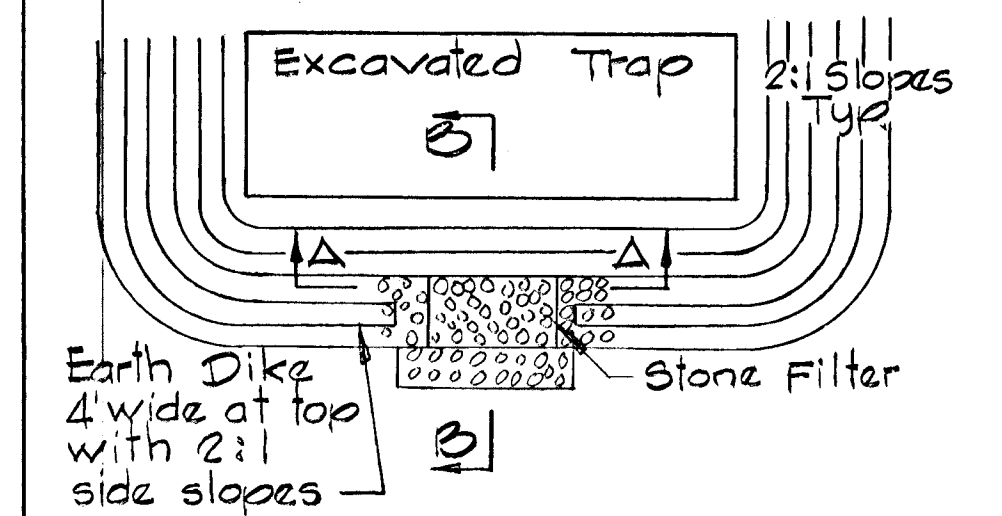
SILT FENCE
 No Scale

Notes:
 1. Woven wire fence to be fastened securely to fence posts by use of wire ties.
 2. Filter cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24 inches.

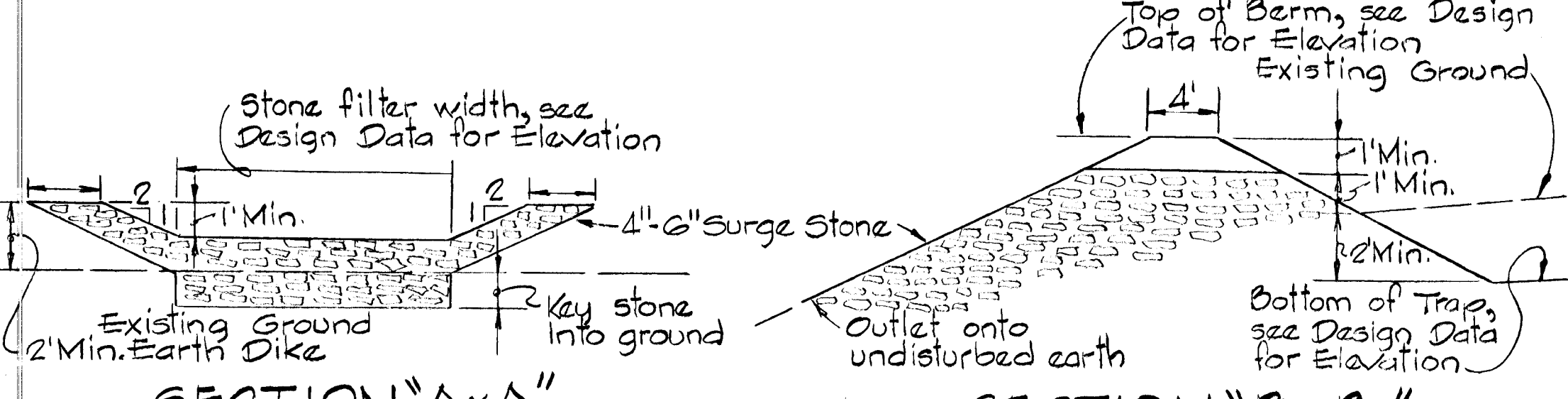
REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
 Approved: *[Signature]* 10-18-83
 DATE
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *[Signature]* 10-11-83
 HOWARD S.C.D. DATE

REV. DATE	REV. NO.	REVISION DESCRIPTION
1/5/84	2	Relocated I-93, I-94 Private Road
9/27/83	1	As per DPW & S.C.S. Comments



PLAN-EXCAVATED TRAP



SECTIONS THRU STONE FILTER
SEDIMENT TRAPS
 No Scale

CERTIFICATION BY THE DEVELOPER
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

9/27/83
 WALTER E. WOODFORD 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.

9/27/83
 KENNETH A. MCCORD 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.

9/27/83
 WALTER E. WOODFORD DATE

COLUMBIA
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORPORATION

PROJECT AREA
 VILLAGE OF HICKORY RIDGE
 SECTION 3 AREA 4

PROJECT TITLE
 SEDIMENT CONTROL PLAN
 AND DETAILS

SCALE: As Shown DATE:

WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21218

[Signature]
 KENNETH A. MCCORD
 Registered Engineer
 No. 1074