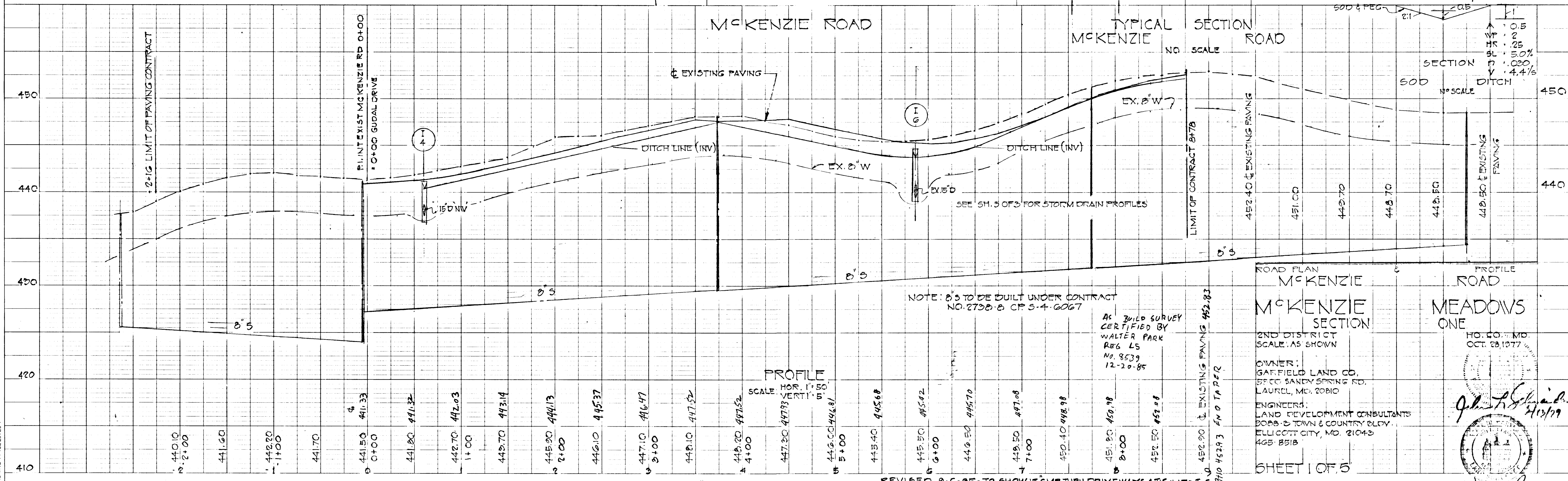
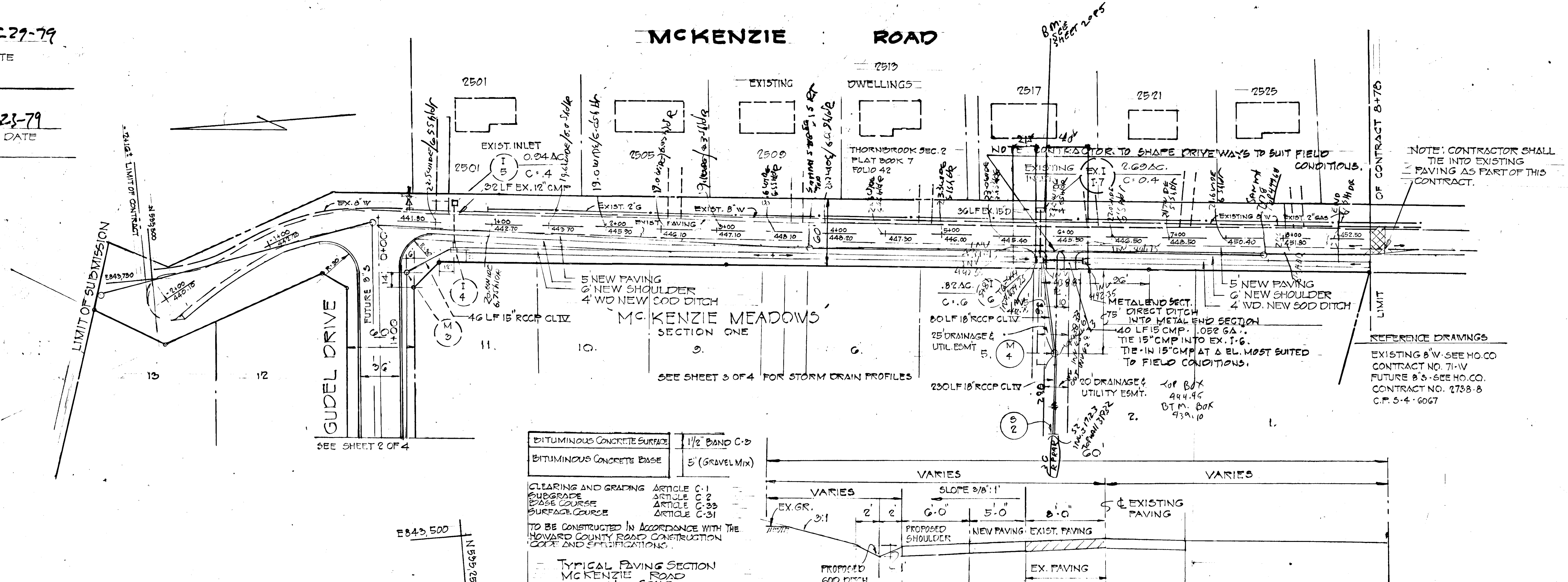


DEPARTMENT OF PUBLIC WORKS
W O Libert 5-27-79
CHIEF BUREAU OF ENGINEERING DATE

OFFICE OF PLANNING AND ZONING
John W. Murchman 5-23-79
CHIEF DIVISION OF LAND DEVELOPMENT DATE

PLAN	NO.	DATE

PROFILE	NO.	DATE



ROAD PLAN
McKENZIE ROAD

PROFILE
McKENZIE MEADOWS ONE

NOTE: 8'-5" TO BE BUILT UNDER CONTRACT NO. 2738-B C.P. 5-4-6067

As BUILT SURVEY CERTIFIED BY WALTER PARK REG. L.S. No. 8539 12-20-85

ENGINEERS:
LAND DEVELOPMENT CONSULTANTS
3008-B TOWN & COUNTRY BLDG.
ELLIOTT CITY, MD. 21043
405-8518

SHEET 1 OF 5

John W. Murchman
10/13/79
Walter Park
Jan 9, 1978

DEPART. OF PUBLIC WORKS

W.D. Falbert

CHIEF, BUREAU OF ENGINEERING

5-29-79

DATE

OFFICE OF PLANNING AND ZONING

John W. McMillan

CHIEF, DIVISION OF LAND DEVELOPMENT

5-23-79

DATE

DEVELOPER:
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION SHALL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL. I ALSO AUTHORIZE PERSONS ON-SITE INSPECTION BY THE NO. SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DIVISION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE SOIL CONSERVATION DISTRICT.

John W. McMillan 5/23/79
DEVELOPER DATE

ENGINEER:
I CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE CONDITIONS & THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NO. SOIL CONSERVATION DISTRICT.

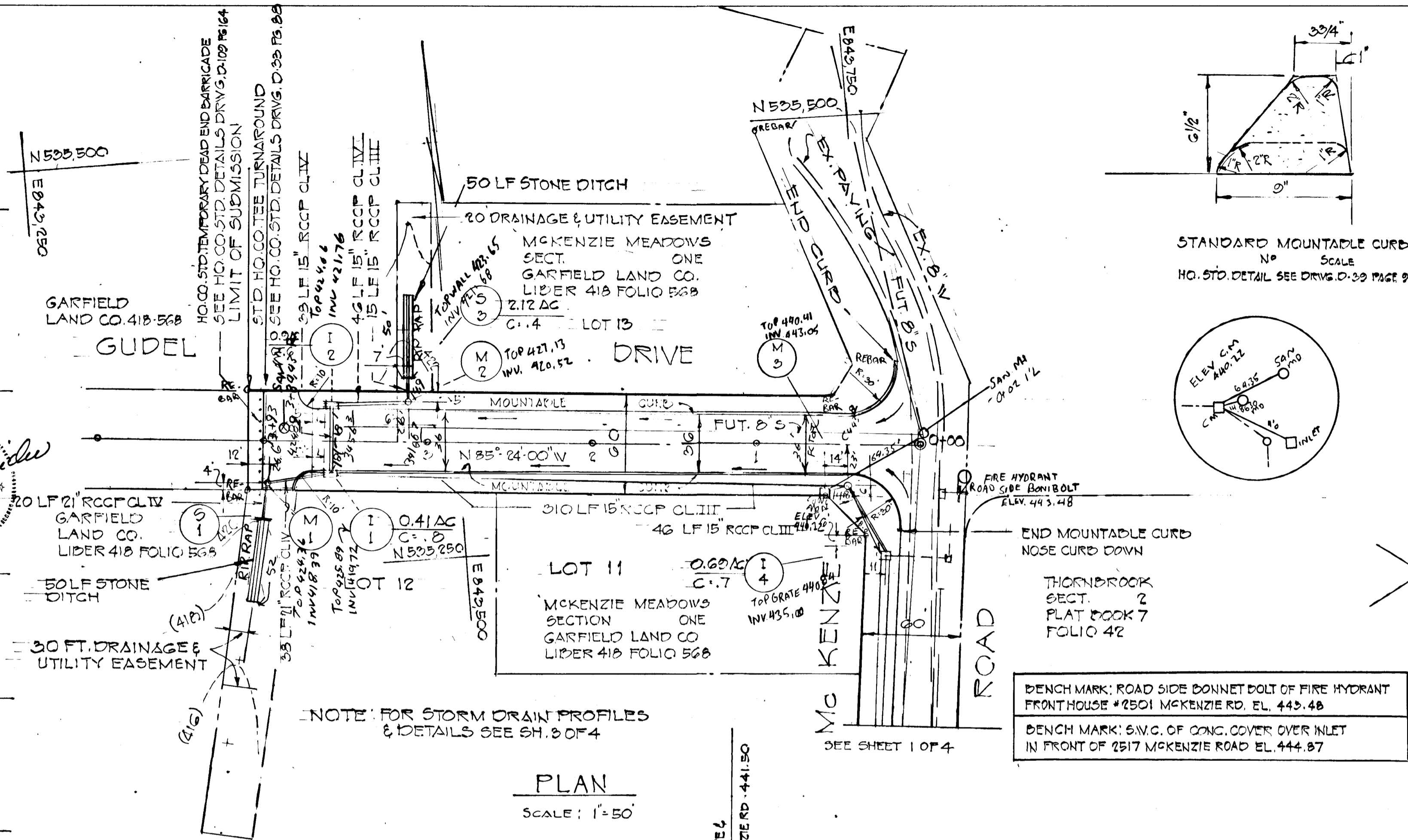
Walter Park 5/23/79
ENGINEER DATE

REVIEWED FOR HO. CO. SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

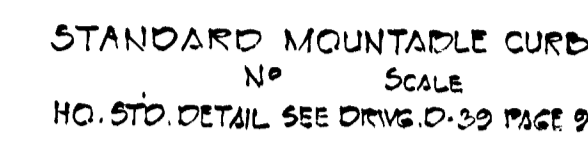
L. Wayne Ray 5/23/79
SIGNATURE DATE

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

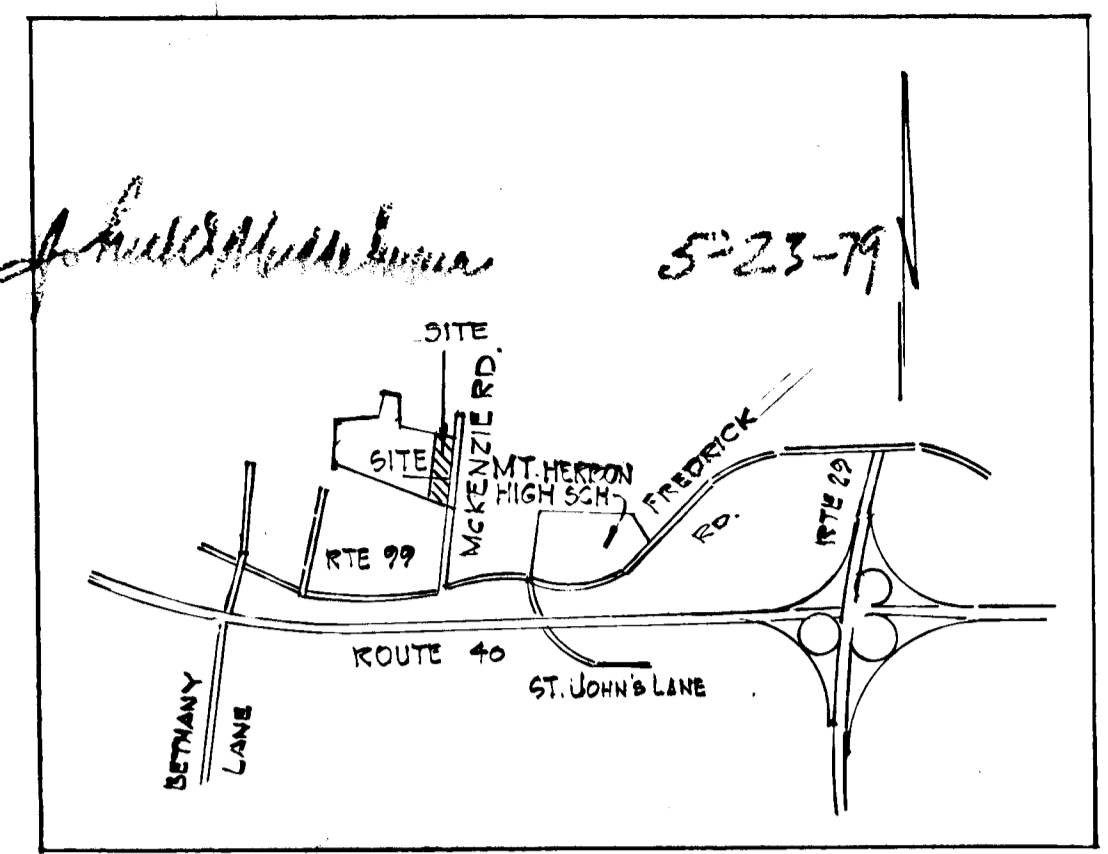
W.D. Falbert 5-23-79
NO. SOIL CONSERVATION DISTRICT DATE



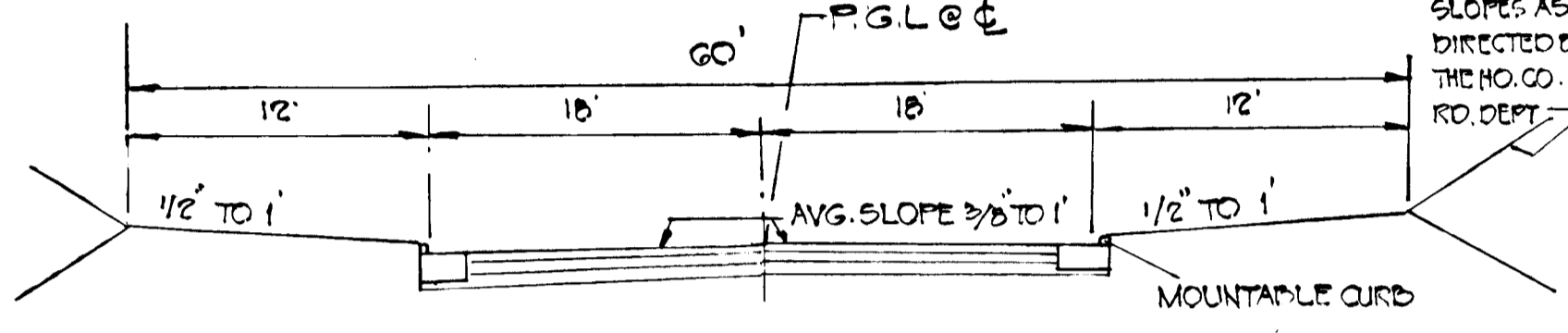
PLAN
SCALE: 1"=50'



STANDARD MOUNTABLE CURB
SCALE
HO. STD. DETAIL SEE DRWG. D-33 PAGE 94



LOCATION MAP
SCALE 1"=2000'
ZONED R-20
DESIGN SPEED 30 M.P.H.



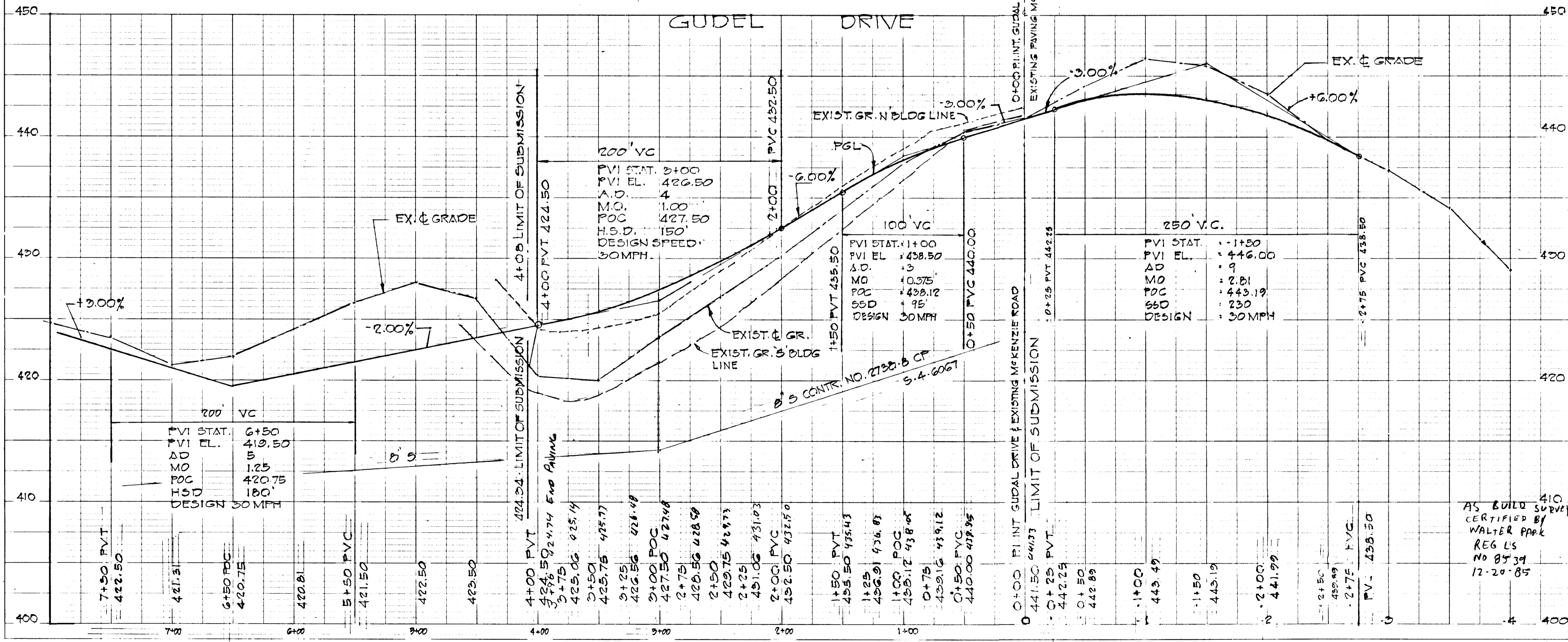
TYPICAL 60' R/W SECTION
GUDEL DRIVE
SCALE
DRAWING O-16 PAGE 71

BITUMINOUS CONCRETE SURFACE	1" BAND C-3
BITUMINOUS CONCRETE BINDER	2 1/2" BAND C-2
CRUSHER RUN BASE	7"

CLEARING AND GRADING ARTICLE C-1
SUBGRADE ARTICLE C-2
PAVE COURSE ARTICLE C-25
BINDER COURSE ARTICLE C-31 OR C-33
SURFACE COURSE ARTICLE C-31

TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
PAVE SHALL BE PRIMED IN ACCORDANCE WITH SECTION C-30-3 OF THE HO. CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
TACK COAT IS REQUIRED IN ACCORDANCE WITH SECT. C-31-4 OF THE HO. CO. ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE HO. CO. ROAD CODE AND STANDARD SPECIFICATIONS

TYPICAL PAVING SECTION
GUDEL DRIVE
SCALE



ROAD PLAN PROFILE
GUDEL DRIVE
MCKENZIE MEADOWS SECTION ONE
2ND DISTRICT
SCALE: AS SHOWN
OWNER: GARFIELD LAND CO. 5800 SANDY SPRING RD. LAUREL, MD. 20810
ENGINEERS: LAND DEVELOPMENT CONSULTANTS 2088 B-TOWN & COUNTRY BLDG. ELLICOTT CITY MD. 21040 465-8518
AS BUILT SURVEY CERTIFIED BY WALTER PARK REG. L.S. NO. 8539 12-20-85
SHEET 2 OF 5
John W. McMillan
Walter Park
5/23/79

DEVELOPER'S CERTIFICATION: I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION SHALL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR 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 PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HO. SOIL CONSERVATION DISTRICT.

Albert Gudelsky
ALBERT GUDELSKY
Albert Gudelsky 5/15/79

2/13/79
DATE

DEPARTMENT OF PUBLIC WORKS

Wof Albert
CHIEF, BUREAU OF ENGINEERING

5-29-79
DATE

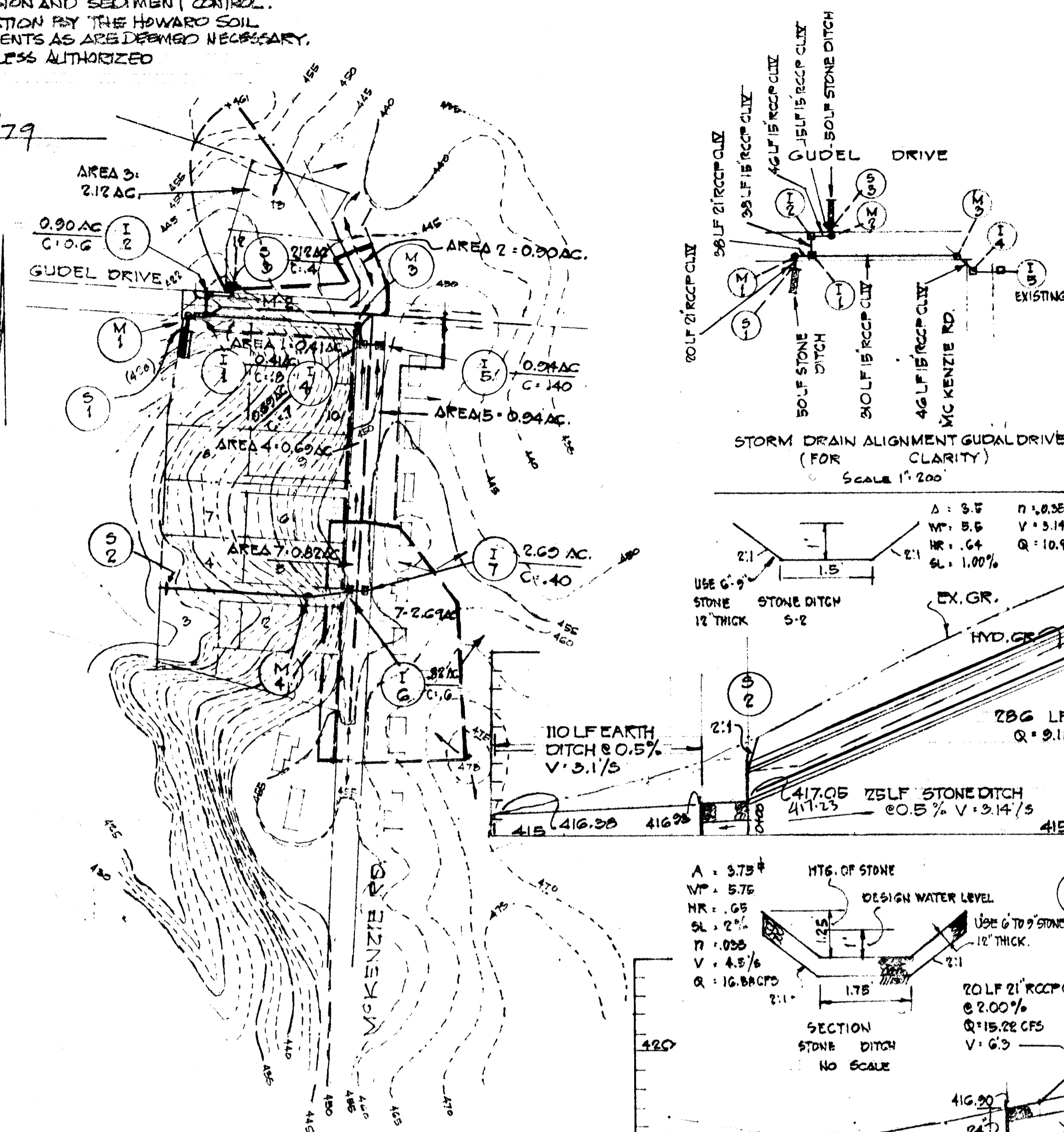
OFFICE OF PLANNING AND ZONING

John J. Schuchman
CHIEF, DIVISION OF LAND DEVELOPMENT

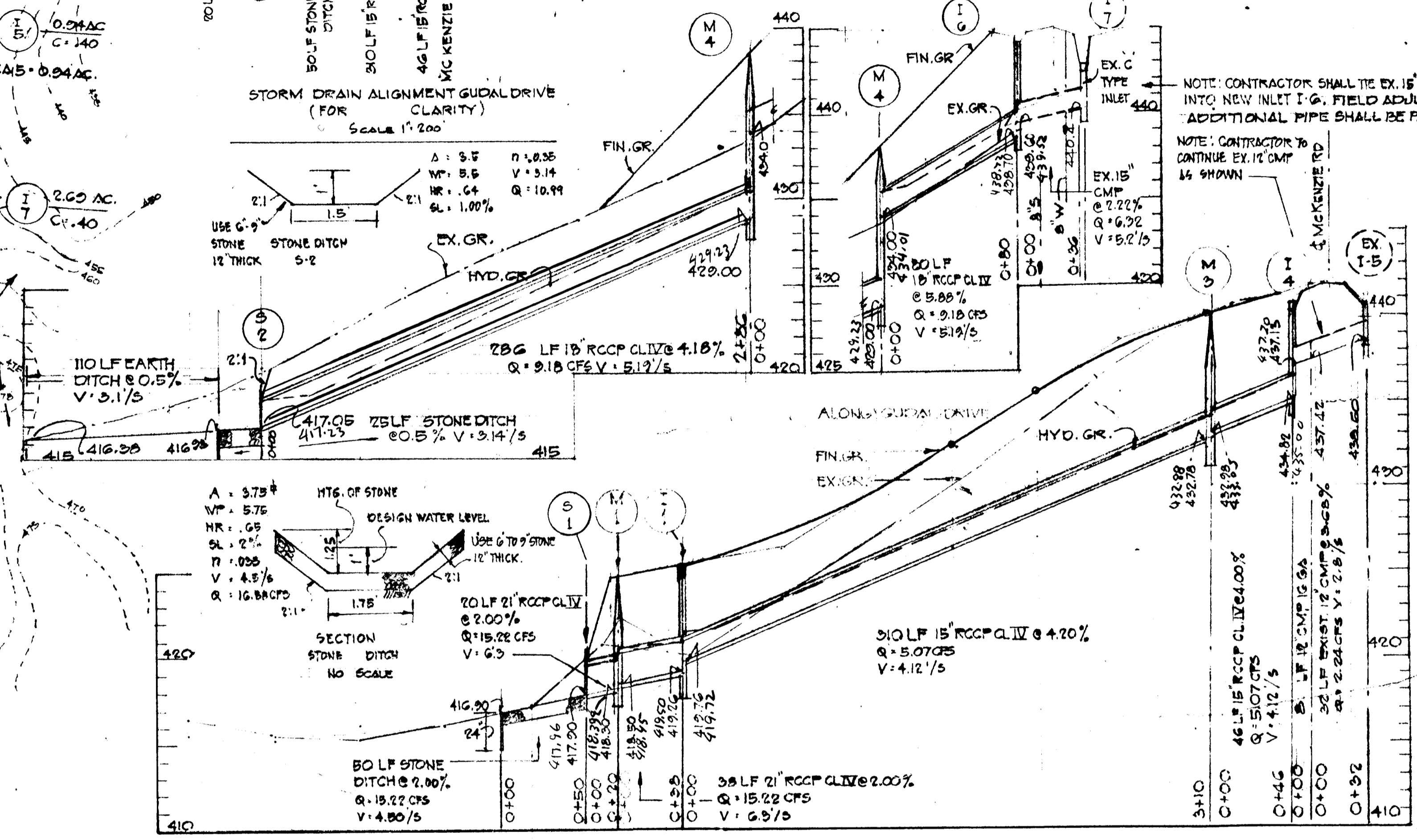
5-23-79
DATE

DRAINAGE AREA TABULATIONS

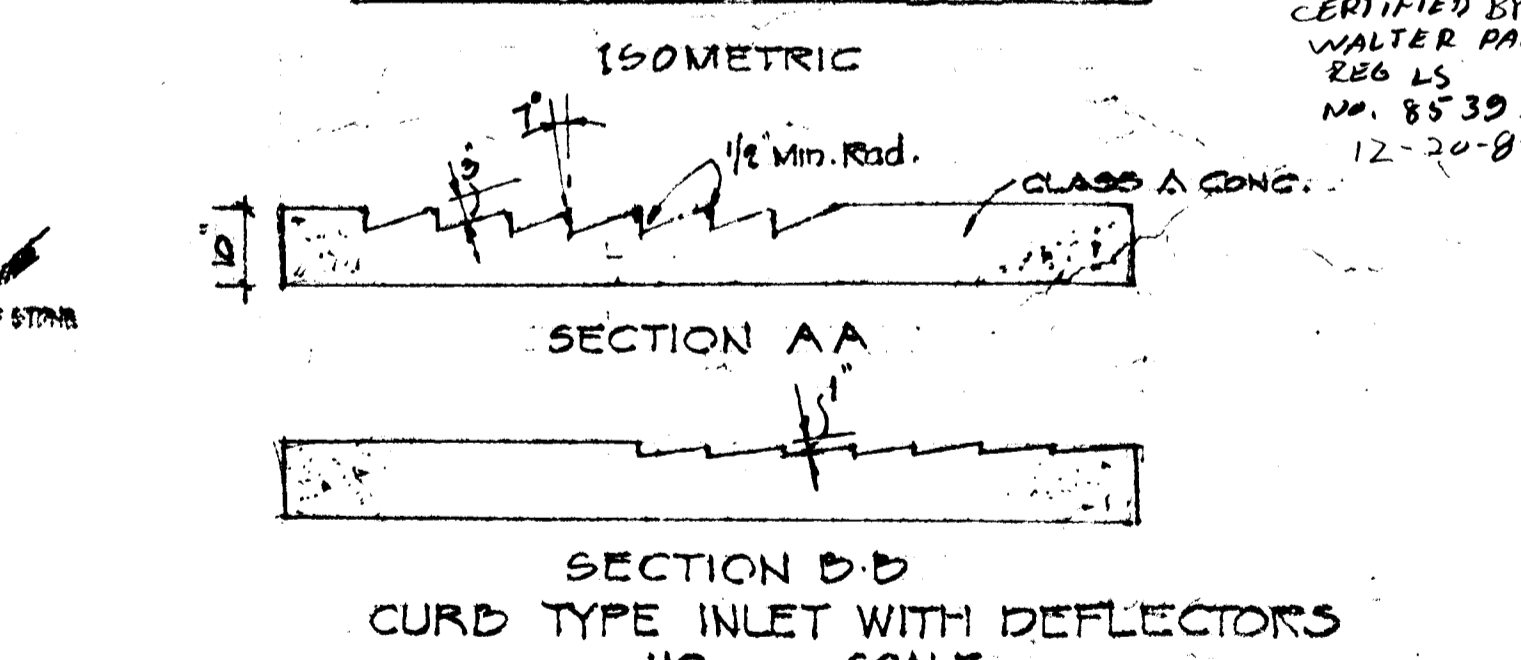
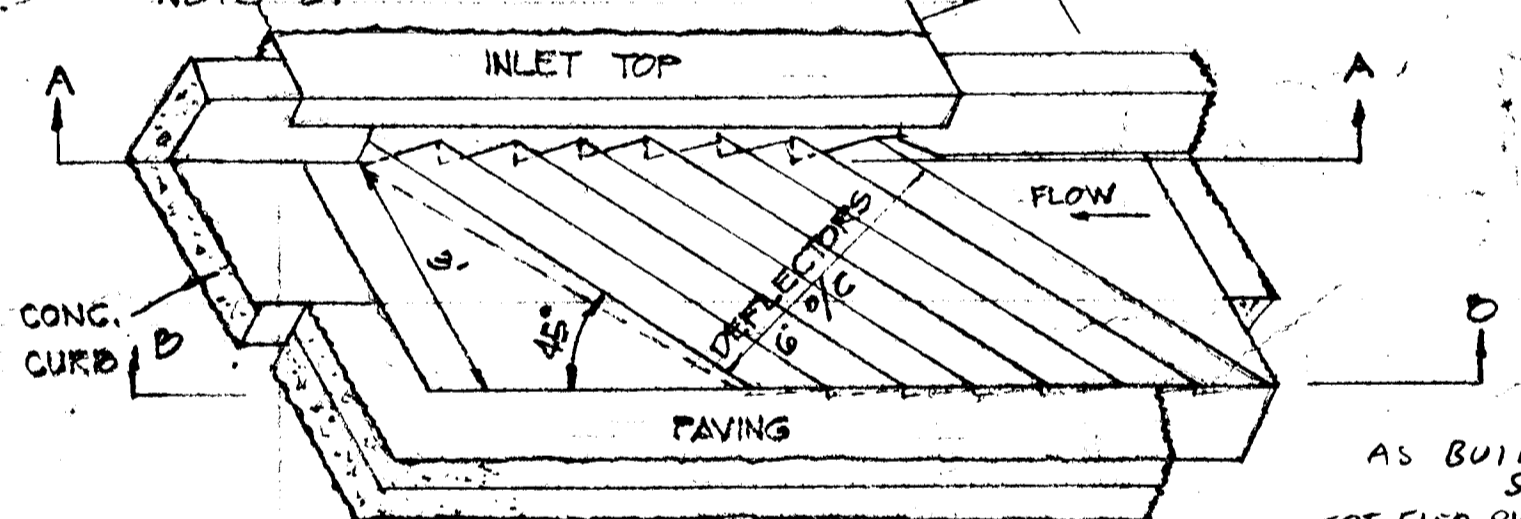
INLET NO.	AC.	RUNOFF FACTOR	ZONING
I-1	0.41	.80	R-20
I-2	0.90	.60	
S-3	2.12	.40	
I-4	0.69	.70	
I-5	0.24	.40	
I-6	0.82	.60	
I-7	2.69	.40	R-20



NO.	STRUCTURE	SCHEDULE			REMARKS
		INV IN	INV OUT	TOTEL	
I-1	HO. CO. STD. CL. A-15 INLET WITH DEFLECTORS	419.76	419.76	425.34	HO. CO. STD. DETAIL DRWG. D-64-A P. 119-A
I-2	HO. CO. STD. CL. A-15 INLET WITH DEFLECTORS	420.34	420.14	425.34	HO. CO. STD. DETAIL DRWG. D-64-A P. 119-A
S-3	HO. CO. STD. TYPE C ENDWALL	421.50	-	SET IN FIELD	HO. CO. STD. DETAIL DRWG. D-52 P. 107
I-4	HO. CO. STD. TYPE K CONCRETE INLET	437.38	434.82	441.20	HO. CO. STD. DETAIL DRWG. D-25 P. 140
I-5	HO. CO. STD. TYPE K CONCRETE INLET	433.60	438.70	444.70	HO. CO. STD. DETAIL DRWG. D-25 P. 140
M-4	HO. CO. STD. MANHOLE	424.00	429.00	438.20	HO. CO. STD. DETAIL DRWG. D-25 P. 140
M-1	HO. CO. STD. MANHOLE	418.80	418.80	423.60	HO. CO. STD. DETAIL DRWG. D-103 P. 155
M-2	HO. CO. STD. MANHOLE	421.00	420.80	427.14	HO. CO. STD. DETAIL DRWG. D-103 P. 155
M-3	HO. CO. STD. MANHOLE	432.38	432.78	435.19	HO. CO. STD. DETAIL DRWG. D-103 P. 155
S-1	HO. CO. STD. TYPE C ENDWALL	-	417.00	SET IN FIELD	HO. CO. STD. DETAIL DRWG. D-52 P. 107
S-2	HO. CO. STD. TYPE C ENDWALL	-	417.05	FIELD	HO. CO. STD. DETAIL DRWG. D-52 P. 107

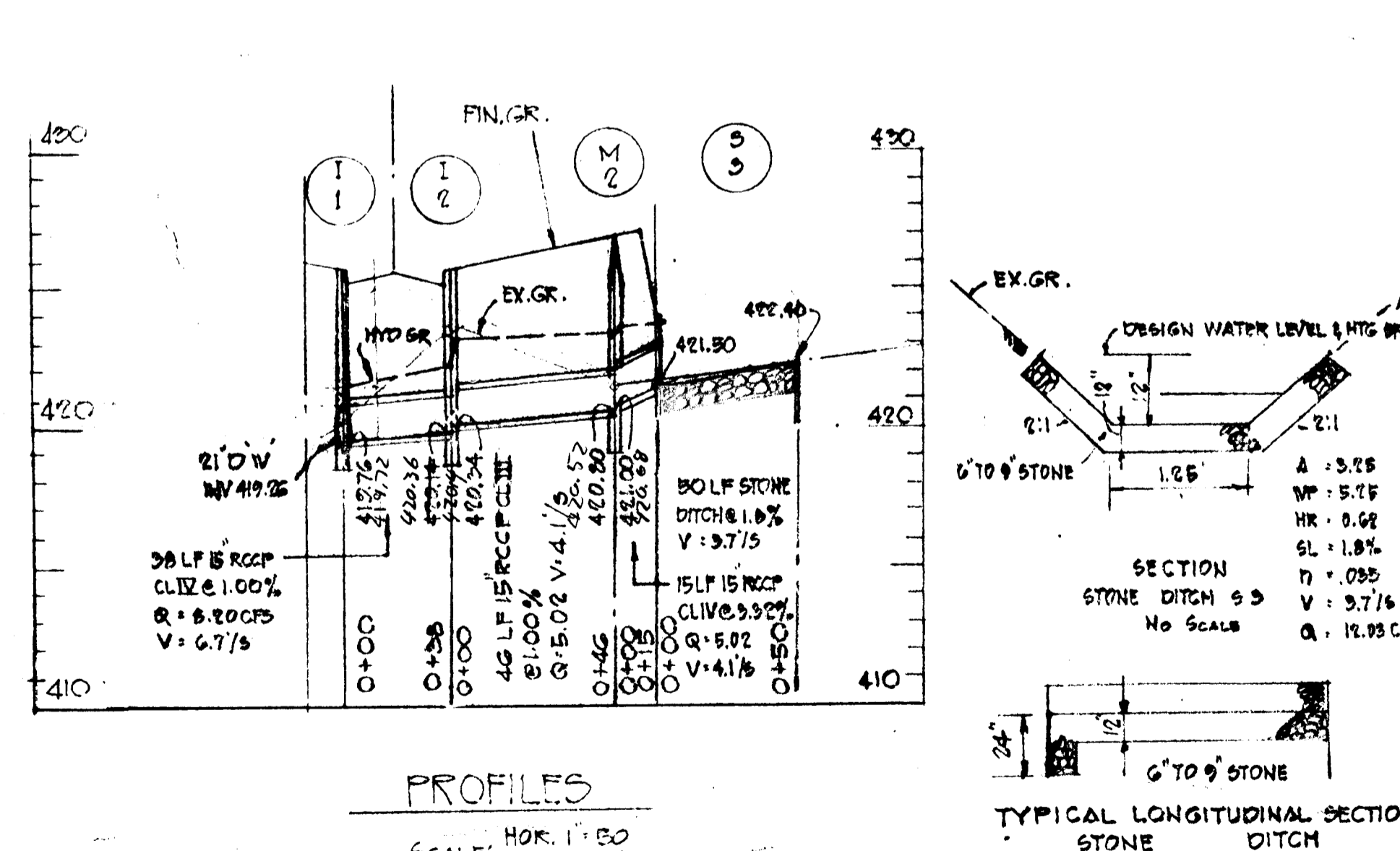
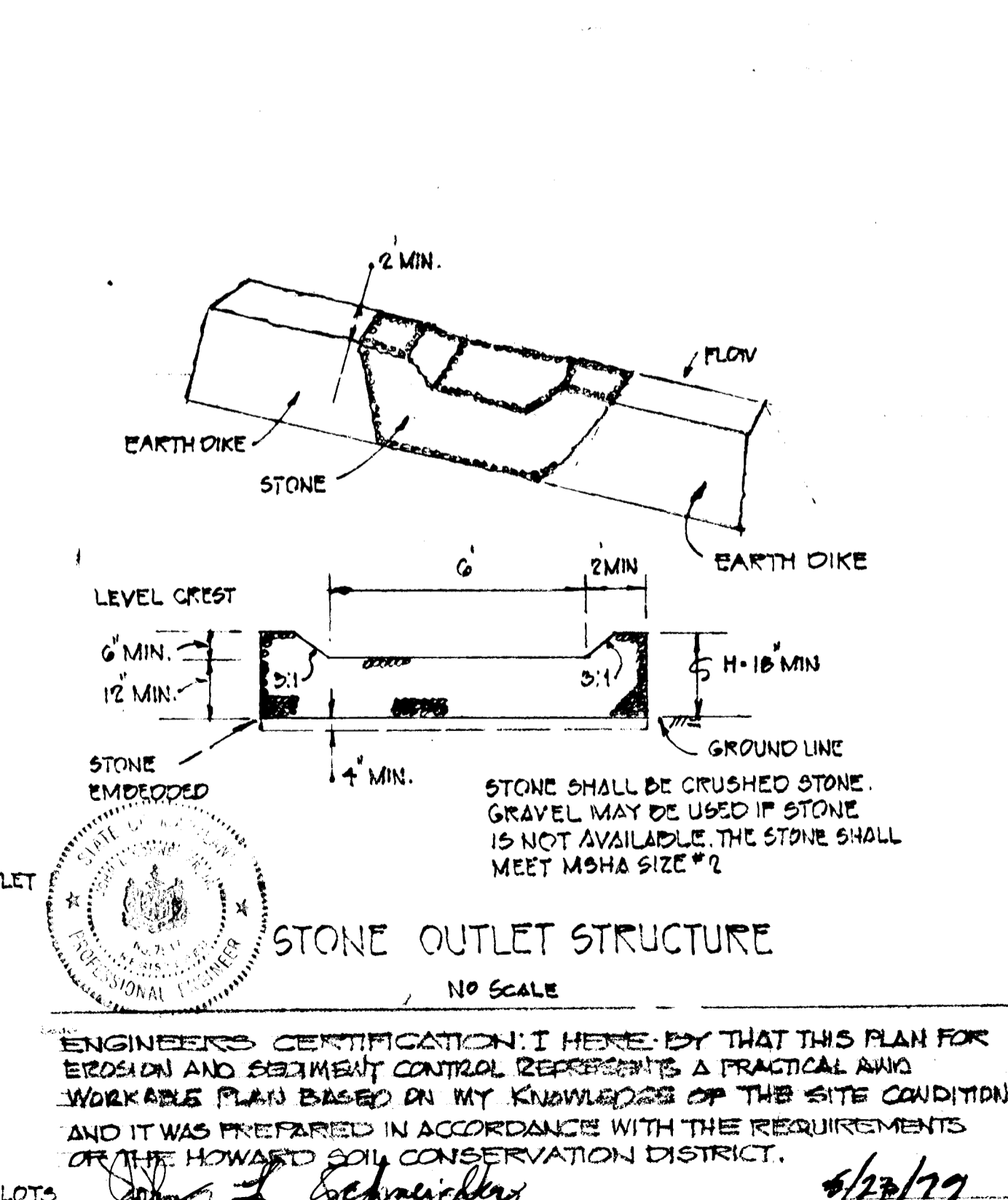
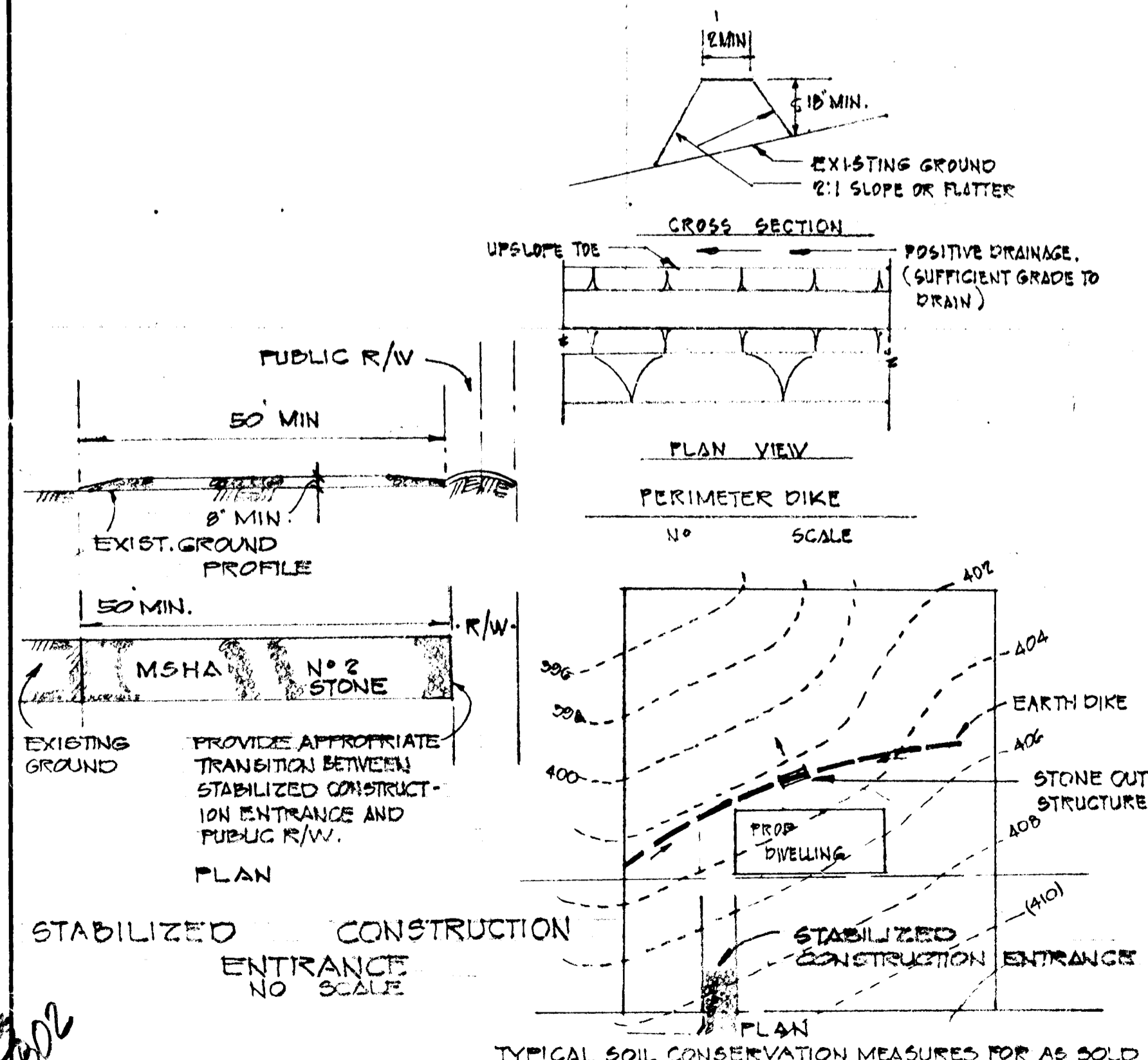


- SEDIMENT CONTROL NOTES
- LOTS WILL BE SOLD TO INDIVIDUALS WHO WILL DEVELOPE LOT FOR BUILDING. SOIL CONSERVATION FOR AS SOLD LOTS SHALL BE DONE IN ACCORDANCE WITH DETAIL - SEE THIS SHEET.
 - OBTAIN GRADING PERMIT FOR:
 - ROADS & STORM DRAINS
 - FOR AS SOLD LOTS AT TIME OF DEVELOPMENT.
 - THE HO. CO. BUREAU OF LICENSE INSPECTION & PERMITS WILL BE GIVEN 24 HRS NOTICE PRIOR TO ANY GRADING. PHONE 992-2435
 - ALL SLOPES SHALL BE MAX. 3:1 SLOPES.
 - FOLLOWING THE STABILIZATION OF ALL AREAS TO BE UP GRADED THE AREA OF SEDIMENT CONTROL MEASURES MAY BE REMOVED & GRADED TO THE FINAL GRADES SHOWN AND STABILIZED IMMEDIATELY.
 - NO EXCESS MATERIAL ANTICIPATED.
 - SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE HO. CO. BUREAU OF LICENSE, INSPECTION & PERMITS.
 - PERMANENT STABILIZATION.
 - APPLY 2000 lbs. PER AC. OF PULVERIZED DOLOMITIC LIMESTONE
 - 700 lbs. PER AC. OF 0-20-0 SUPER PHOSPHATE
 - 1000 lbs. PER AC. OF 10-10-10 FERTILIZER
 - SEED: 85 lbs. PER AC. OF KENTUCKY 31 TALL FESCUE, 25 lbs. PER AC. OF ANNUAL RYE GRASS
 - NOTE: SEED BETWEEN MAR. 1 TO MAY 1 OR AUG. 1 TO OCT. 1 ONLY. MULCH: 2 TONS PER AC. OF UNWEATHERED WHEATSTRAW. TE DOWN MULCH WITH 400 GAL. PER AC. OF LIQUID ASPHALT.
 - ALL SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN UNLESS OTHERWISE SPECIFIED SHALL BE INSTALLED IN ACCORDANCE WITH NOTE #2.



ENGINEERS: LAND DEVELOPMENT CONSULTANTS
8088-B TOWN & COUNTRY BLVD.
ELLCOTT CITY MD. 21043-465-8518

DRAINAGE AND SEDIMENT CONTROL DETAILS
MC KENZIE SECTION ONE
MEADOWS ONE
2ND DISTRICT
SCALE: AS SHOWN
SHEET 3 OF 4
HO. CO. MD.
DEC. 13, 1977



REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.
C. Wayne Ray
SIGNATURE
5/23/79
DATE
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HO. SOIL CONSERVATION DISTRICT.
APPROVED:
W.S. EARP
HOWARD SOIL CONSERVATION DISTRICT
5-23-79
DATE

NO.	DATE	BY	REVISIONS
1			
2			
3			
4			
5			

W. O. Palbat
CHIEF, BUREAU OF ENGINEERING

5-29-79
DATE

OFFICE OF PLANNING AND ZONING

John W. Muschman
CHIEF, DIVISION OF LAND DEVELOPMENT

5-23-79
DATE

DEVELOPER'S CERTIFICATION:

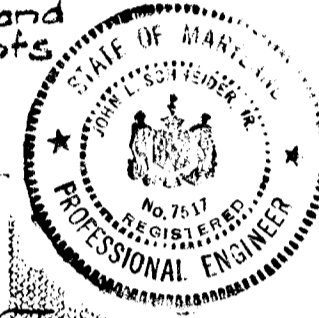
I hereby certify that all development and/or construction shall be done according to this plan of development and plan for erosion and sediment control. I also authorize periodic on-site inspection by the Howard soil conservation district or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the soil conservation district.

Albert Gudelsky - Albert Gudelsky
ALBERT GUDELSKY DATE: 2/13/79

ENGINEER'S CERTIFICATION

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

John L. Schneider
DATE: 5/13/79

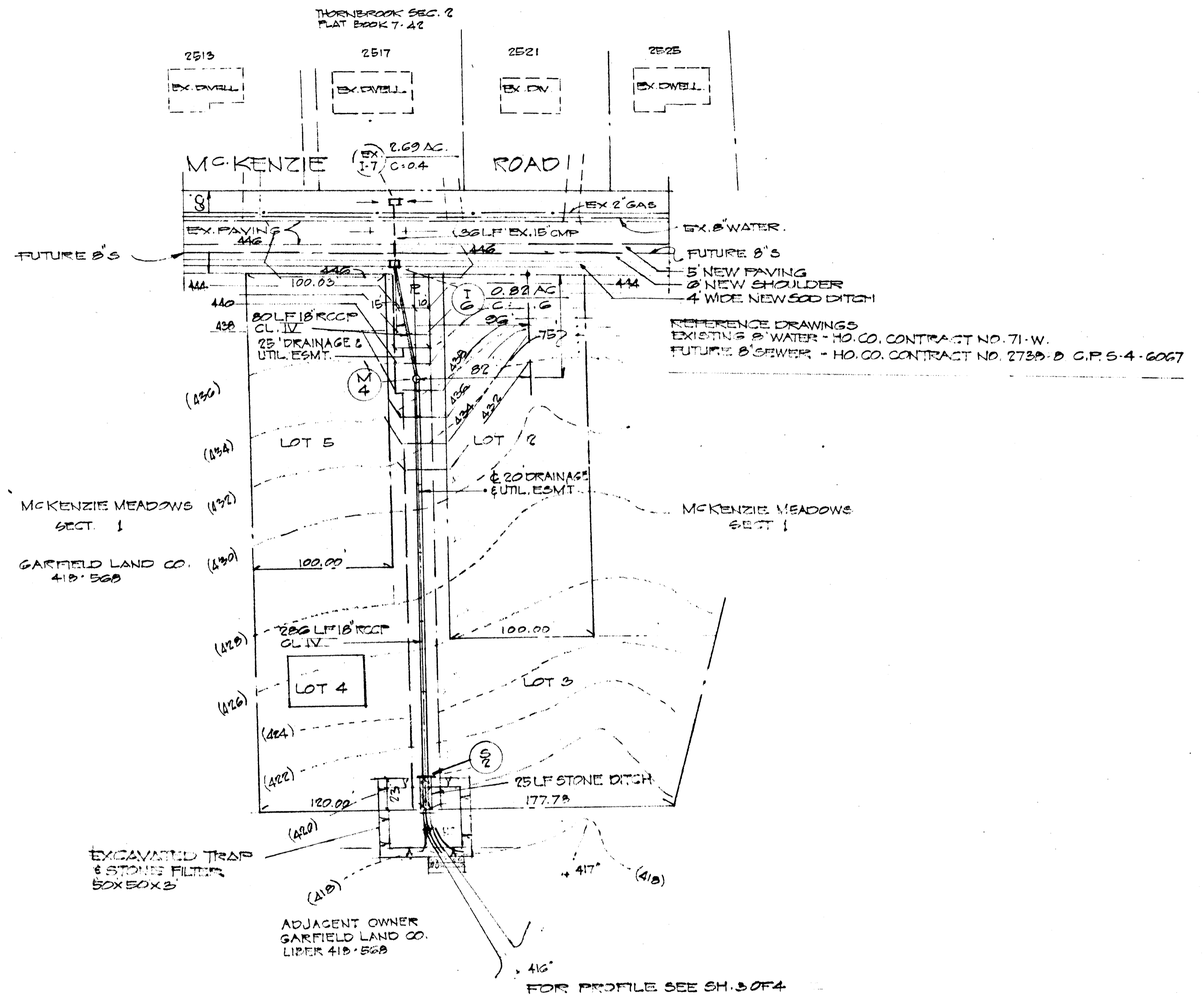
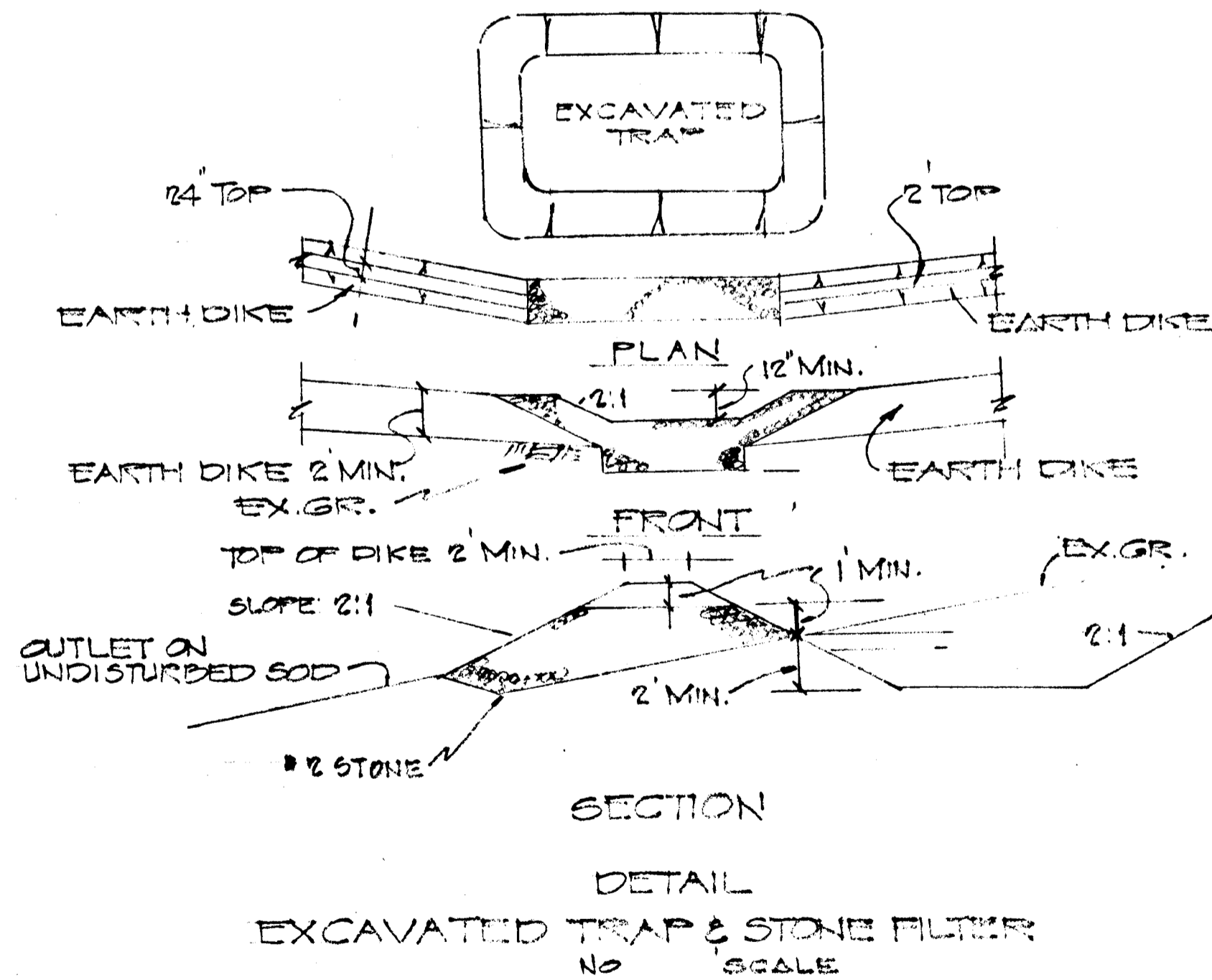


REVIEWED FOR HOWARD CO. SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

C. Wayne Ray
SIGNATURE DATE: 5/23/79

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

Herb Ford
HOWARD SOIL CONSERVATION DISTRICT DATE: 5-23-79



OWNER: GARFIELD LAND CO.
5800 SANDY SPRING RD.
LAUREL, MD. 20810

ENGINEERS:
LAND DEVELOPMENT CONSULTANTS
3088 B TOWN & COUNTRY BLVD.
BELLICOTT CITY, MD. 21045
465-8515

STORM DRAIN PLAN
MCKENZIE SECTION MEADOWS ONE
2ND DISTRICT HO. CO. MD.
SCALE: AS SHOWN DATE: FEB. 10, 1979

John L. Schneider
DATE: 5/21/79

MCKENZIE SECTION MEADOWS ONE	
SCALE: 1" = 50'	APPROVED BY: <u>John L. Schneider</u>
DATE: 2/10/79	DRAWN BY:
	REVISED:
F-78-138	DRAWING NUMBER:

802

DEPARTMENT OF PUBLIC WORKS

W. J. S. / Chief, Bureau of Engineering

5-29-79 DATE

OFFICE OF PLANNING AND ZONING

J. W. M. / Chief, Division of Land Development

5-23-79 DATE

DEVELOPER:

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION SHALL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL...

Signature: John A. ... DATE: May 15, 1979

ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE CONDITIONS...

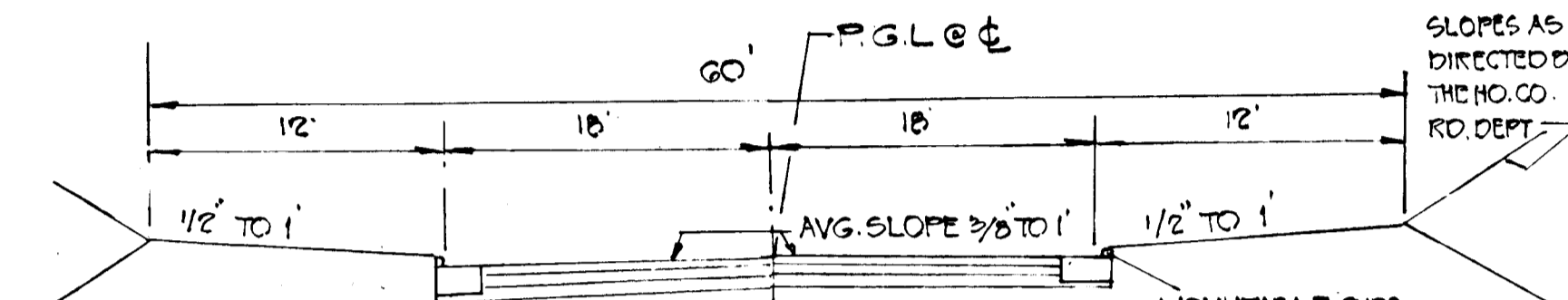
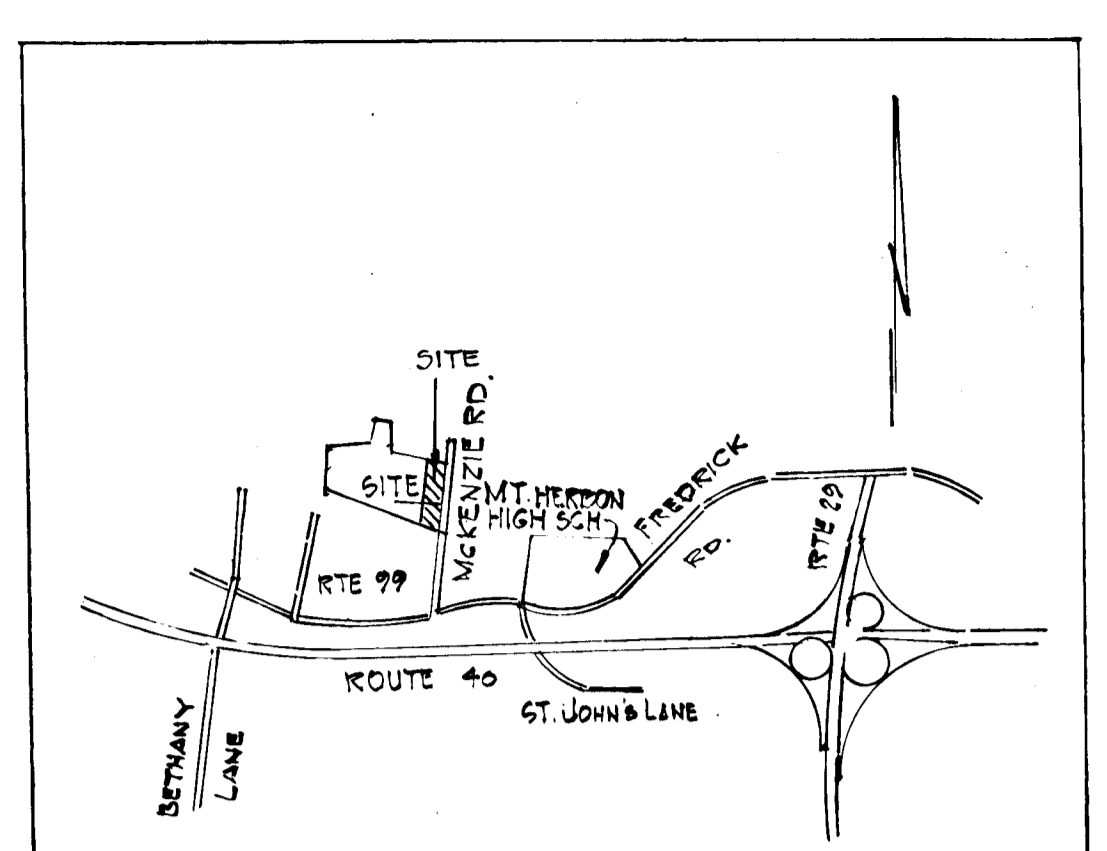
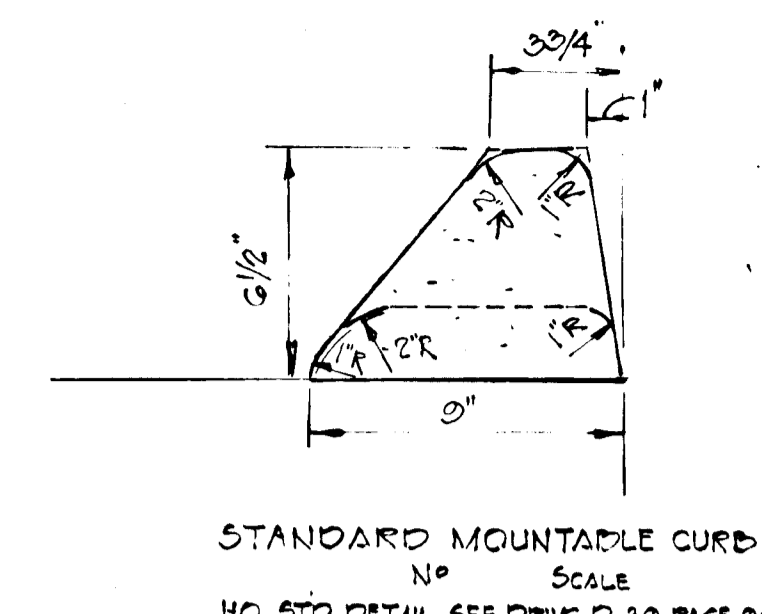
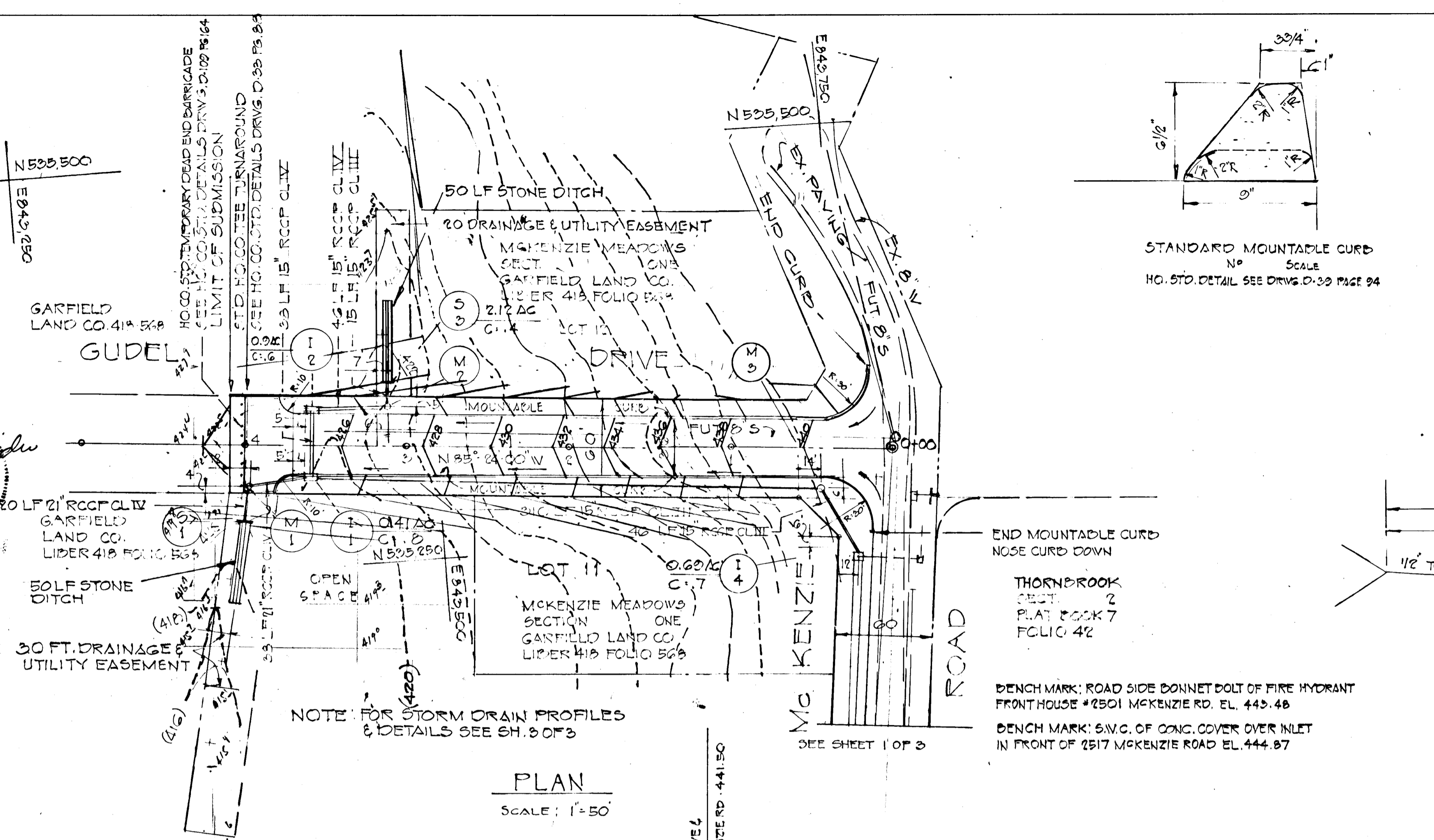
Signature: Walter ... DATE: Jan 9, 1978

REVIEWED FOR HO. CO. SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Signature: C. Wayne ... DATE: 5/23/79

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

Signature: ... DATE: 5-28-79



TYPICAL 60' R/W SECTION GUADEL DRIVE

Table with 2 columns: Material and Thickness. Includes Bituminous Concrete Surface, Bituminous Concrete Binder, and Crusher Run Base.

CLEARING AND GRADING ARTICLE C-1 SUBGRADE ARTICLE C-2 SURFACE COURSE ARTICLE C-25 BURIAL COURSE ARTICLE C-31 OR C-33 TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.

BASE SHALL BE PRIMED IN ACCORDANCE WITH SECTION C-30-2 OF THE HO. CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.

TYPICAL PAVING SECTION GUADEL DRIVE

Signature: John A. ... DATE: 5/21/79

GRADING STUDY ROAD PLAN GUADEL DRIVE PROFILE

MCKENZIE MEADOWS SECTION ONE

2ND DISTRICT SCALE: AS SHOWN HO. CO. MD OCT 28, 1977

OWNER: GARFIELD LAND CO. 5800 SANDY SPRING RD. LAUREL, MD. 20810

ENGINEERS: LAND DEVELOPMENT CONSULTANTS 2088 BOSTON & COUNTRY BLVD ELLICOTT CITY MD. 21043 465-8513

SHEET 5 OF 5 DATE: Jan 9, 1978

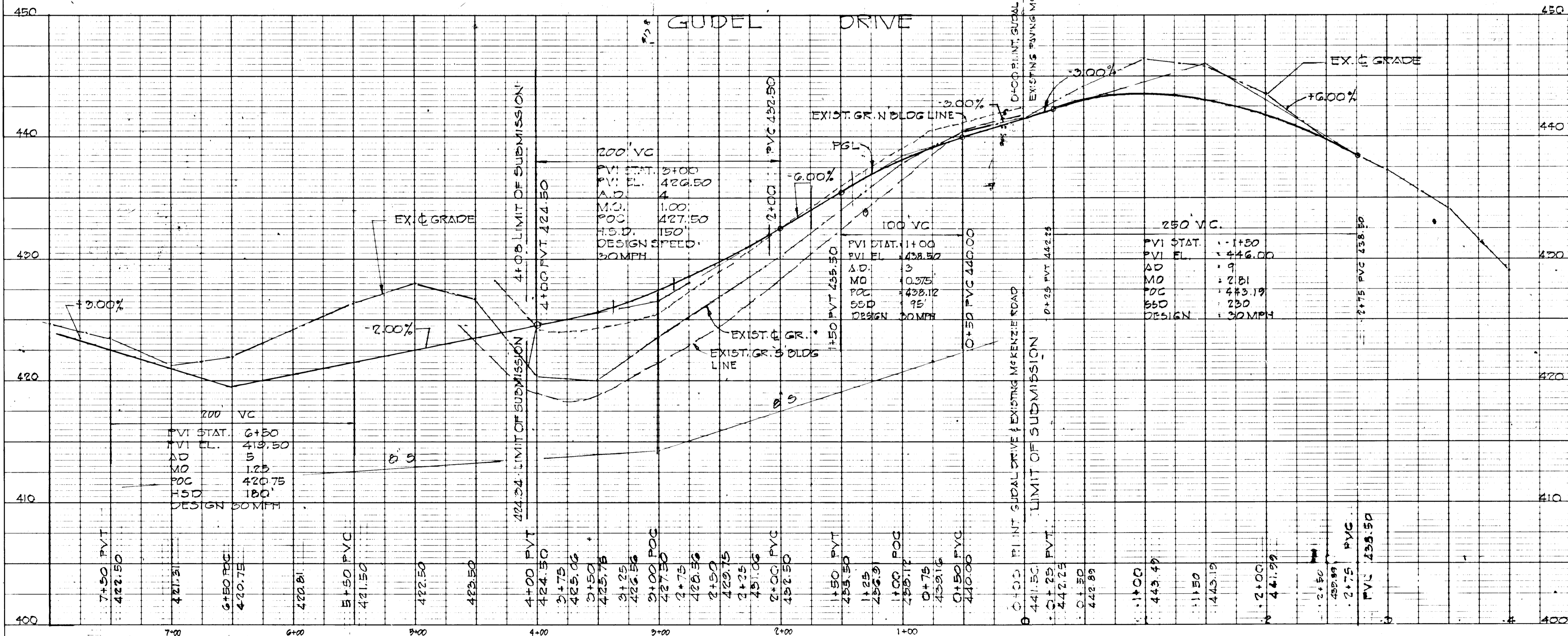


PLATE 1 SINGLE PLAN - PROFILE CHARLES BRUNING CO. MADE IN U.S.A.