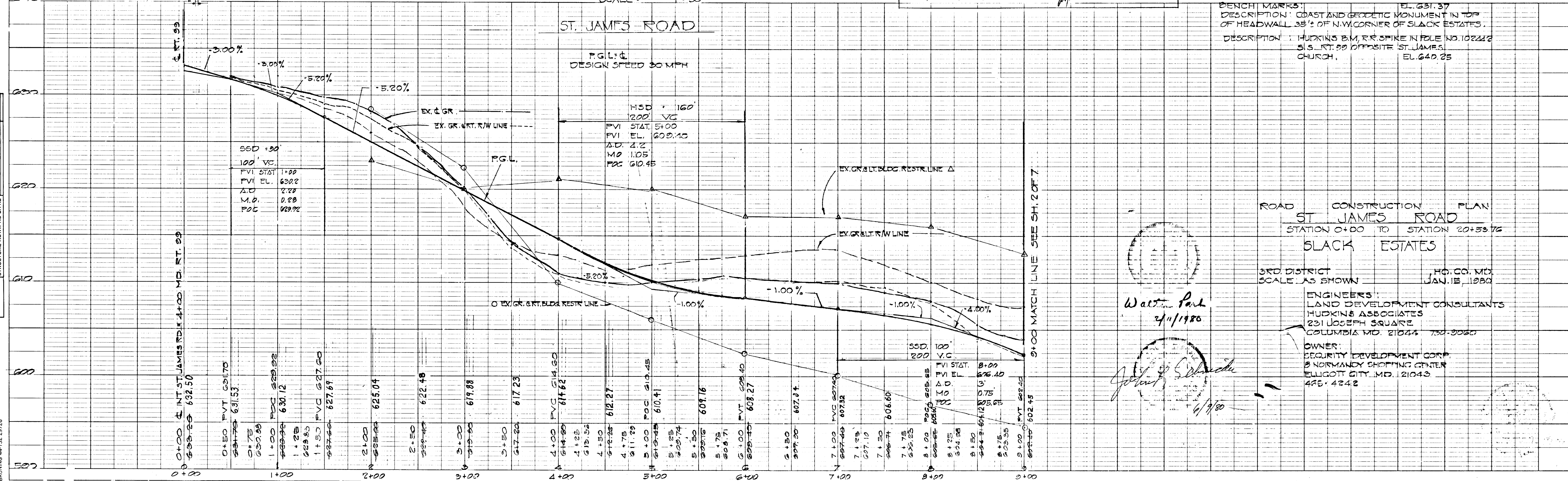
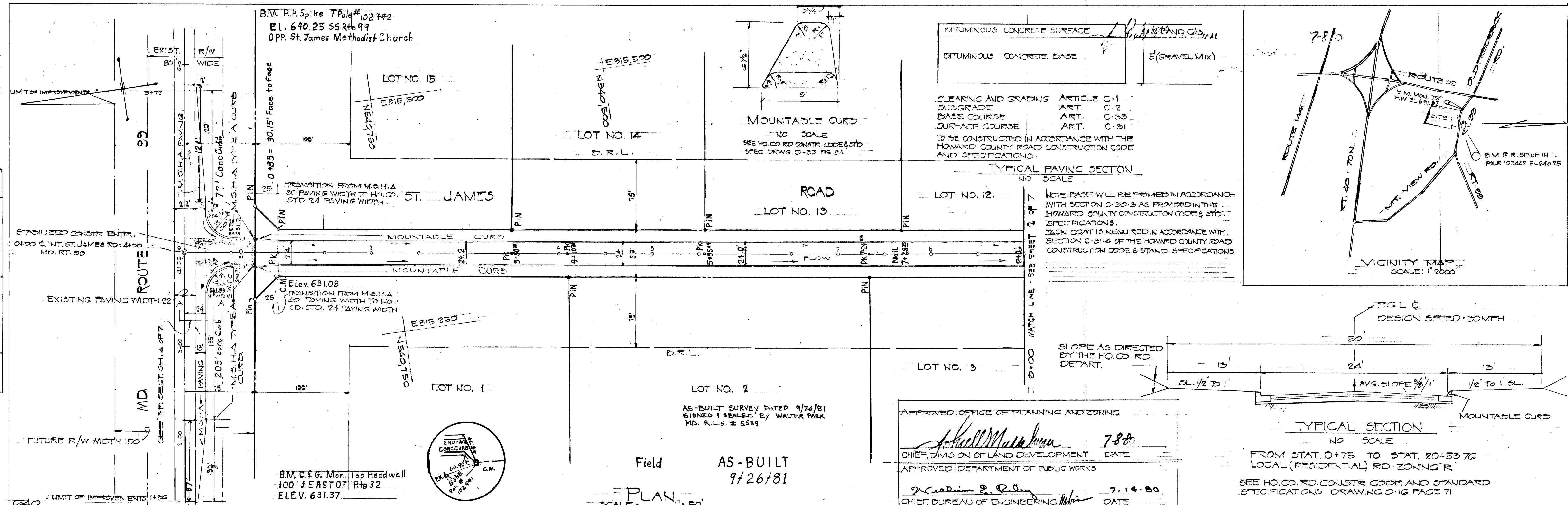


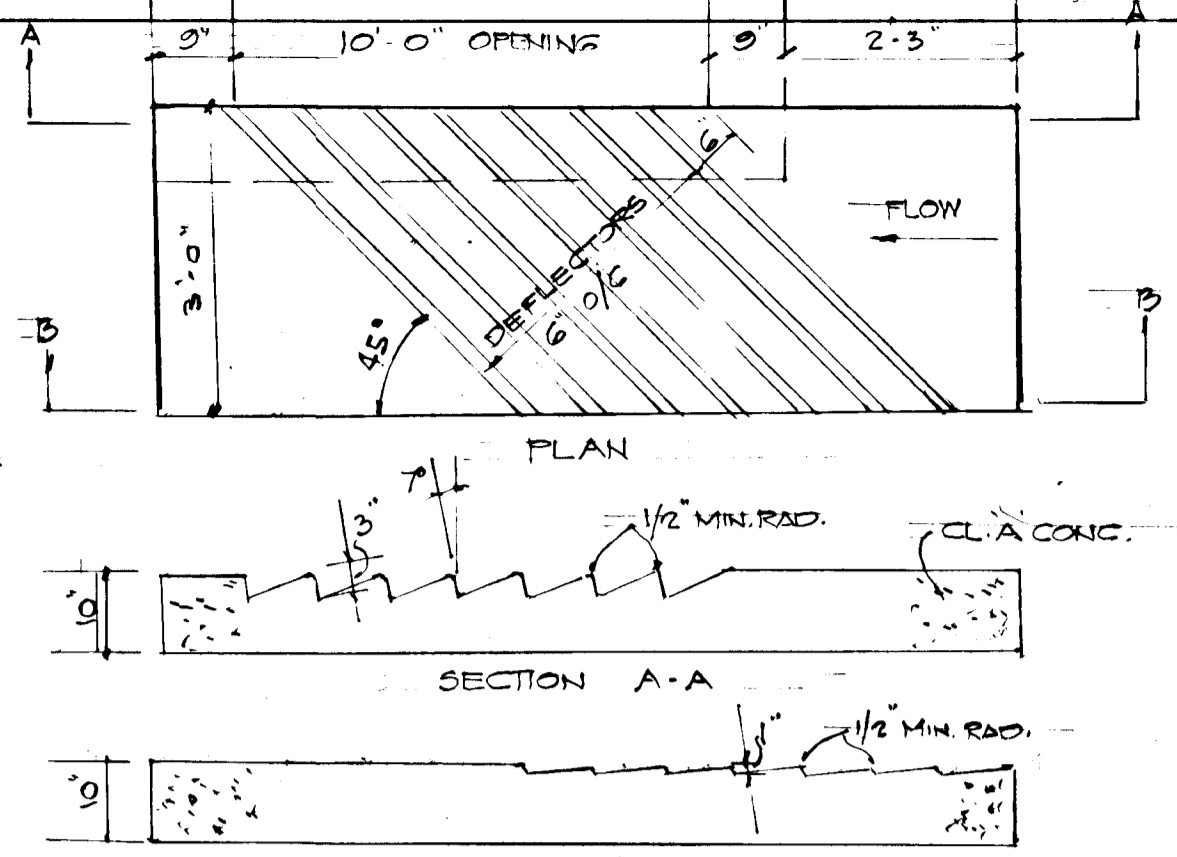
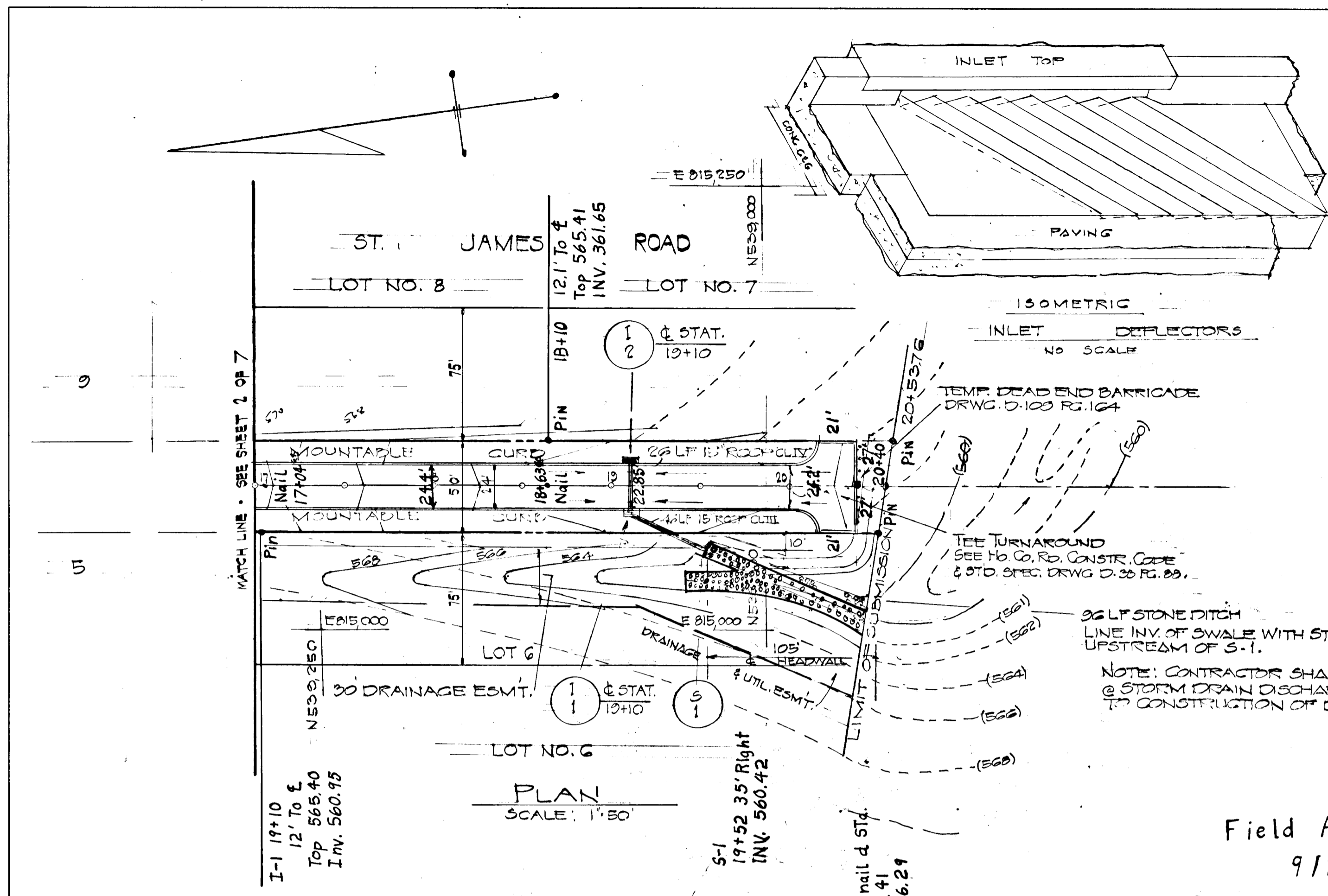
DATE	
BY	
PLAN	
SURVEYED	
NOTE BOOK	
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ALIGNED	
RT. OF WAY	
CHECKED	

DATE	
BY	
PROFILE	
SURVEYED	
NOTE BOOK	
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GRADES	
CHECKED	
B.M. NOTED	
STRUCTURE	
NOTATIONS	
CHKD	



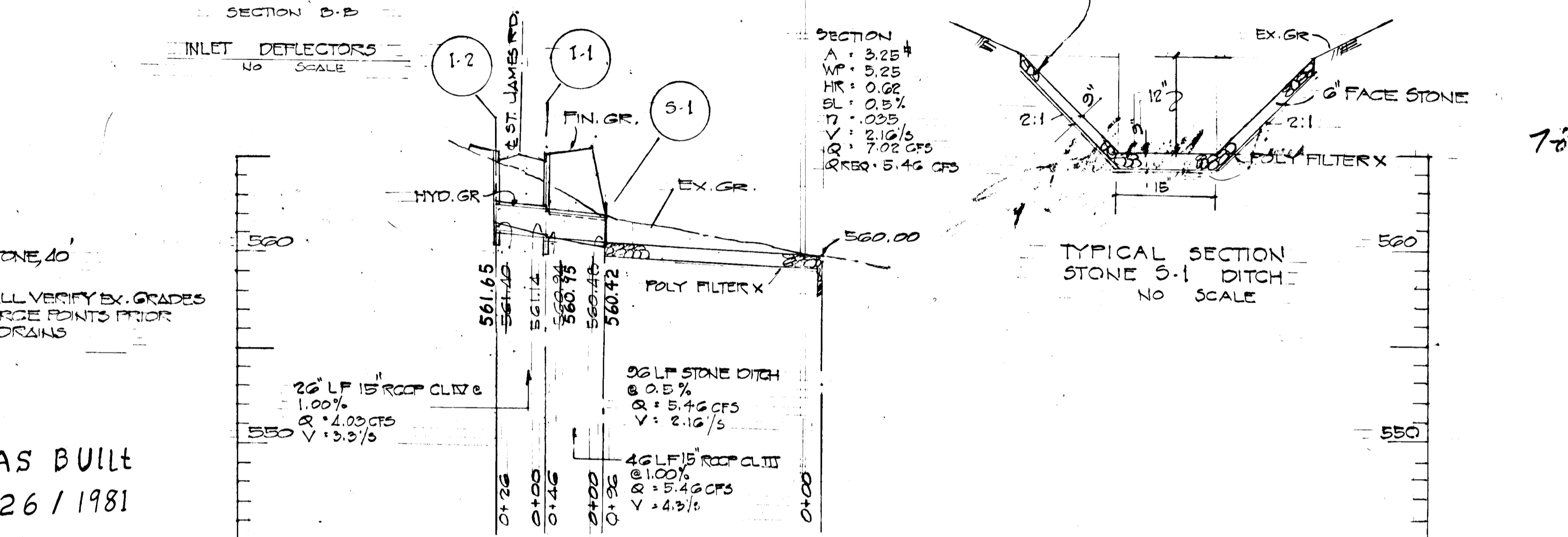
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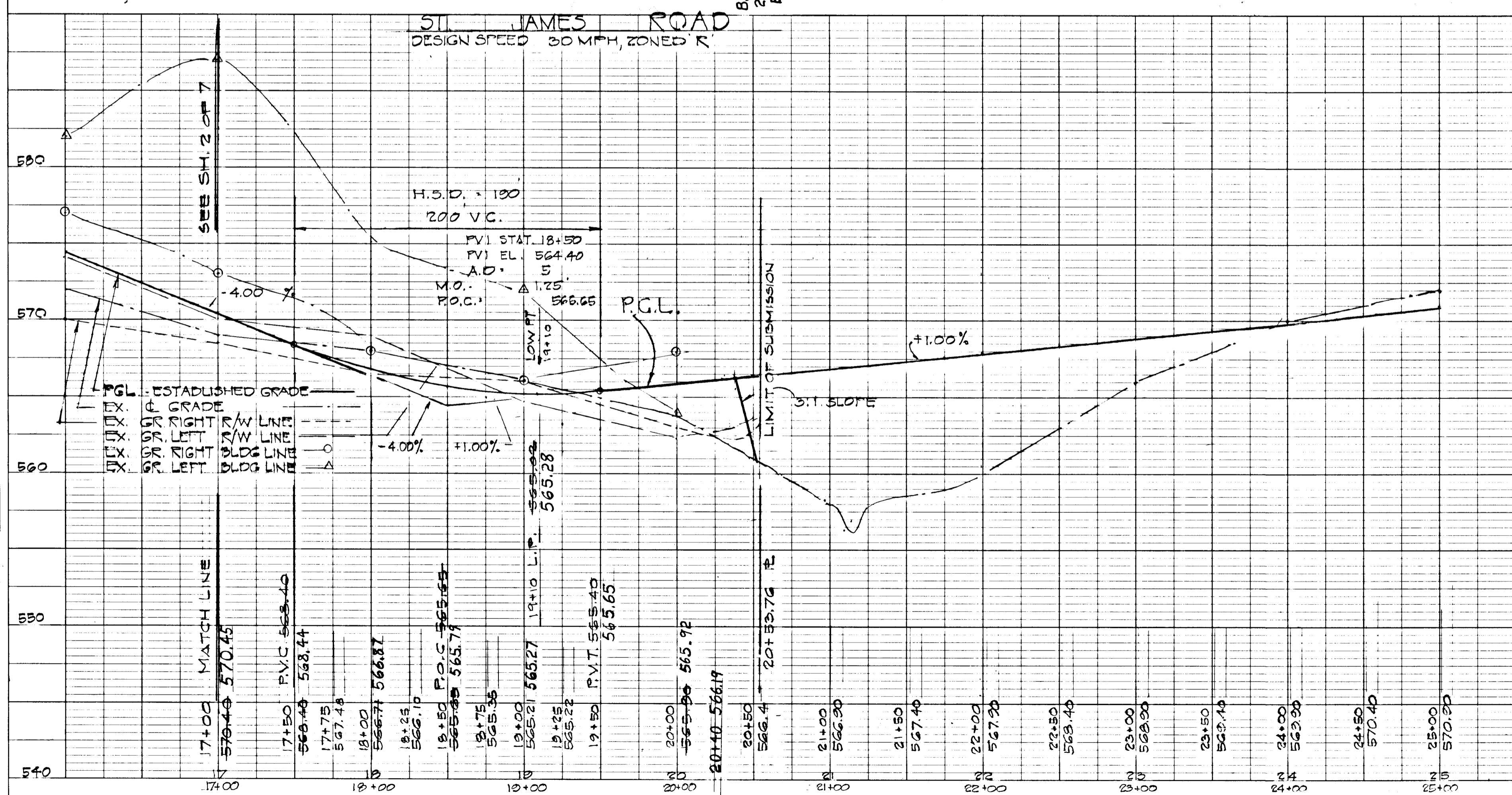
APPROVED: OFFICE OF PLANNING AND ZONING
William E. Ray
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE 7-9-80

APPROVED: DEPARTMENT OF PUBLIC WORKS
William E. Ray
 CHIEF, BUREAU OF ENGINEERING
 DATE 7-14-80



Field AS BUILT
 9/26/1981

AS-BUILT SURVEY DATED 9/26/81
 SIGNED & SEALED BY WALTER PAUL
 P.E. NO. 5334



NO.	TYPE	STRUCTURE			SCHEDULE		REMARKS
		Q. STAT.	TOP EL.	INV. IN	INV. OUT		
1-1	HO. CO. STD. CLASS A-B INLET	19+10	565.40	560.95	560.95		SEE HO. CO. RD. CONSTR. CODE & STD. DETAILS DRWG. 64-A R-119-A
1-2	HO. CO. STD. CLASS A-B INLET	19+10	565.41		561.65		SEE HO. CO. RD. CONSTR. CODE & STD. DETAILS DRWG. 64-A R-119-A
S-1	HO. CO. TYPE C ENDWALL		SET IN FIELD		560.42		SEE HO. CO. RD. CONSTR. CODE & STD. DETAILS DRWG. D-82 R-107

Walter Paul
 6/9/80

Walter Paul
 4/11/80

ROAD CONSTRUCTION PLAN
 ST JAMES ROAD
 STATION 0+00 TO STATION 20+53.76
 SLACK ESTATES

3RD. DISTRICT
 SCALE: AS SHOWN

HO. CO. MD.
 JAN 15, 1980

ENGINEERS:
 LAND DEVELOPMENT CONSULTANTS
 HUDKINS ASSOCIATES
 SUITE 231 JOSEPH SQUARE
 COLUMBIA, MD. 21044
 730-1200

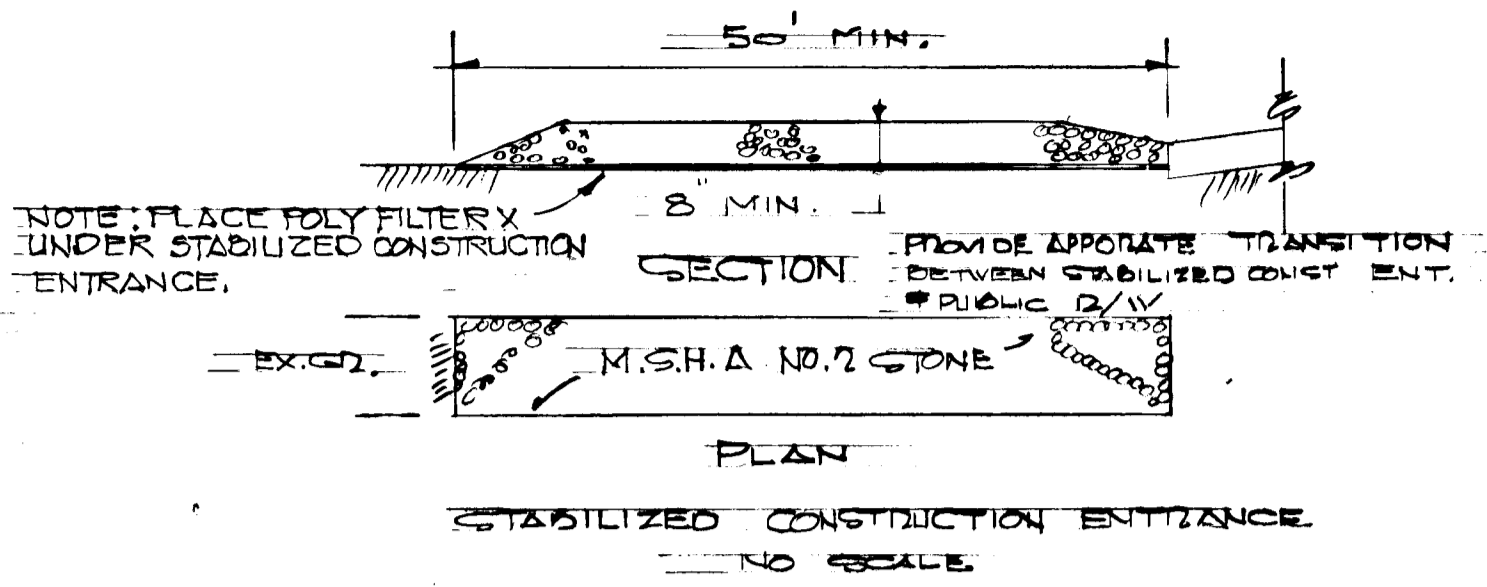
OWNER:
 SECURITY DEVELOPMENT CORP.
 2 NORMANBY SHOPPING CENTER
 BLUCCOTT CITY, MD. 20933
 465-4242

ENGINEER'S CERTIFICATE: I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & 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 COUNTY SOIL CONSERVATION DISTRICT.

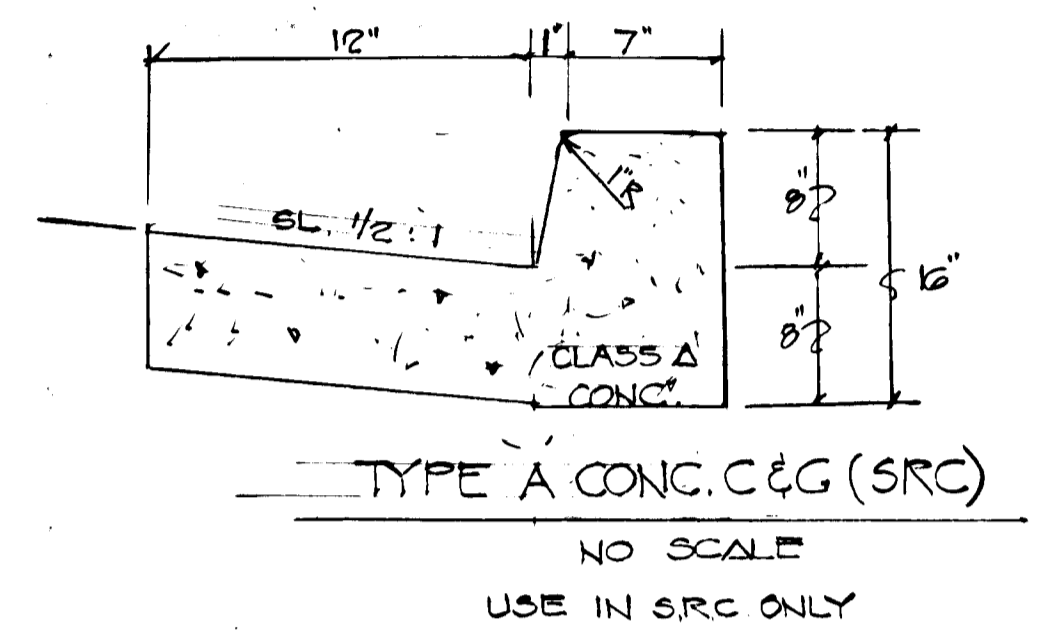
Walter Park
WALTER PARK
DATE Feb 10, 1980

DEVELOPER'S CERTIFICATE: I HEREBY CERTIFY THAT ALL DEVELOPMENT/CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR EROSION & SEDIMENT CONTROL. I AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT ON THEIR AUTHORIZED AGENTS & ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

James R. Schulte
DATE Feb 10, 1980



- SEDIMENT CONTROL NOTES:
1. OBTAIN GRADING PERMIT.
 2. THE HO. CO. BUREAU OF LICENCE, INSPECTIONS AND PERMITS SHALL BE GIVEN 24 HOURS NOTICE PRIOR TO ANY GRADING.
 3. ALL SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN UNLESS OTHERWISE SPECIFIED SHALL BE INSTALLED IN ACCORDANCE WITH NOTE NO. 3.
 4. ALL SLOPES SHALL BE MAX. 3:1.
 5. FOLLOWING THE STABILIZATION OF ALL AREAS TO BE UP GRADED, THE AREA OF SEDIMENT CONTROL MAY BE REMOVED & GRADED TO THE FINAL GRADES SHOWN & STABILIZED IMMEDIATELY.
 6. IN THE EVENT OF EXCESS MATERIAL, EXCESS MATERIAL SHALL BE STOCKPILED WITH A MAX. 3:1 SLOPE IN AN AREA WHICH HAS BEEN CLEARED ON SITE STOCKPILED MATERIAL SHALL BE STABILIZED IN ACCORDANCE WITH NOTE NO. 5.
 7. SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE HO. CO. BUREAU OF LICENCE, INSPECTIONS, AND PERMITS.
 8. PERMANENT STABILIZATION
 - A. APPLY 4000 LBS. PER AC. OF FULVICIZED DOLOMITIC LIMESTONE.
 - 1000 LBS. PER AC. OF 0-20-0 GUANIDINE PHOSPHATE.
 - SEED: 85 LBS. PER AC. OF KENTUCKY 31 TALL FESCUE
 - 25 LBS PER AC. OF ANNUAL RYE GRASS
 - NOTE: SEED BETWEEN MAR. 1 - MAY. 1 OR AUG. 1 - OCT. 1 ONLY.
 - MULCH: 2 TONS PER AC. OF UNWEATHERED WHEATSTRAW.
 - TIE DOWN WITH 480 GAL PER AC. OF LIQUID ASPHALT.



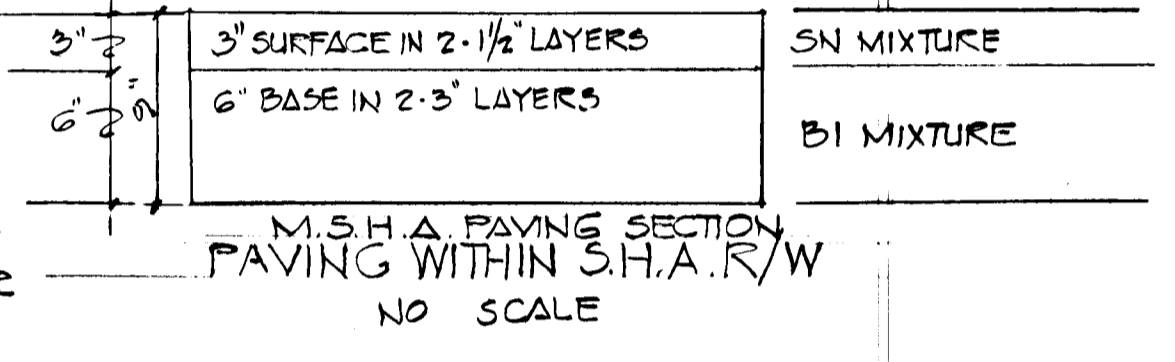
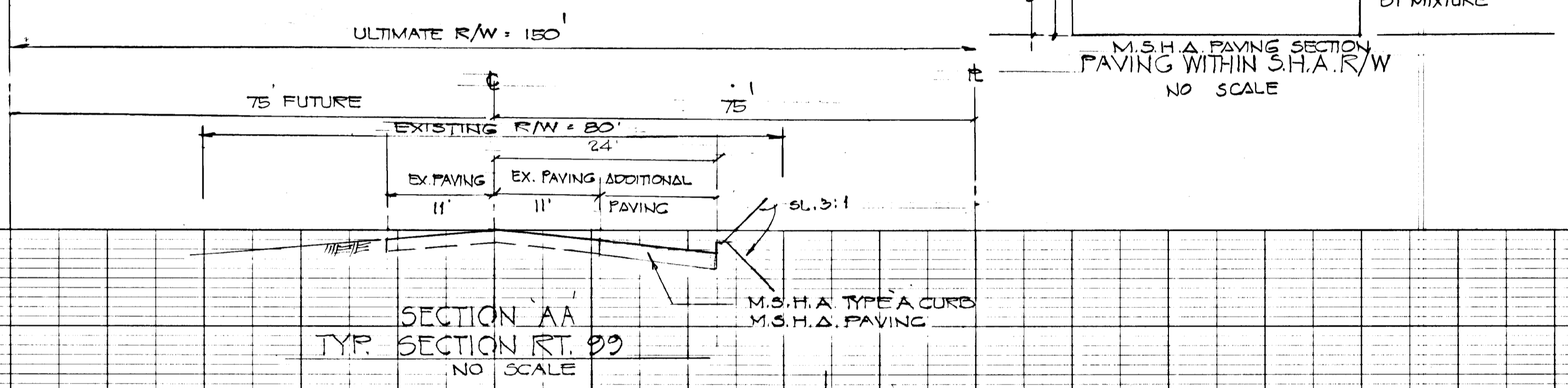
AS-BUILT SURVEY DATED 9/26/82
SIGNED & SEALED BY WALTER PARK
MO. R.L.S. NO. 5539.

APPROVED: OFFICE OF PLANNING AND ZONING
DATE 7-8-80
CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: DEPARTMENT OF PUBLIC WORKS
DATE 7-14-80
CHIEF, BUREAU OF ENGINEERING

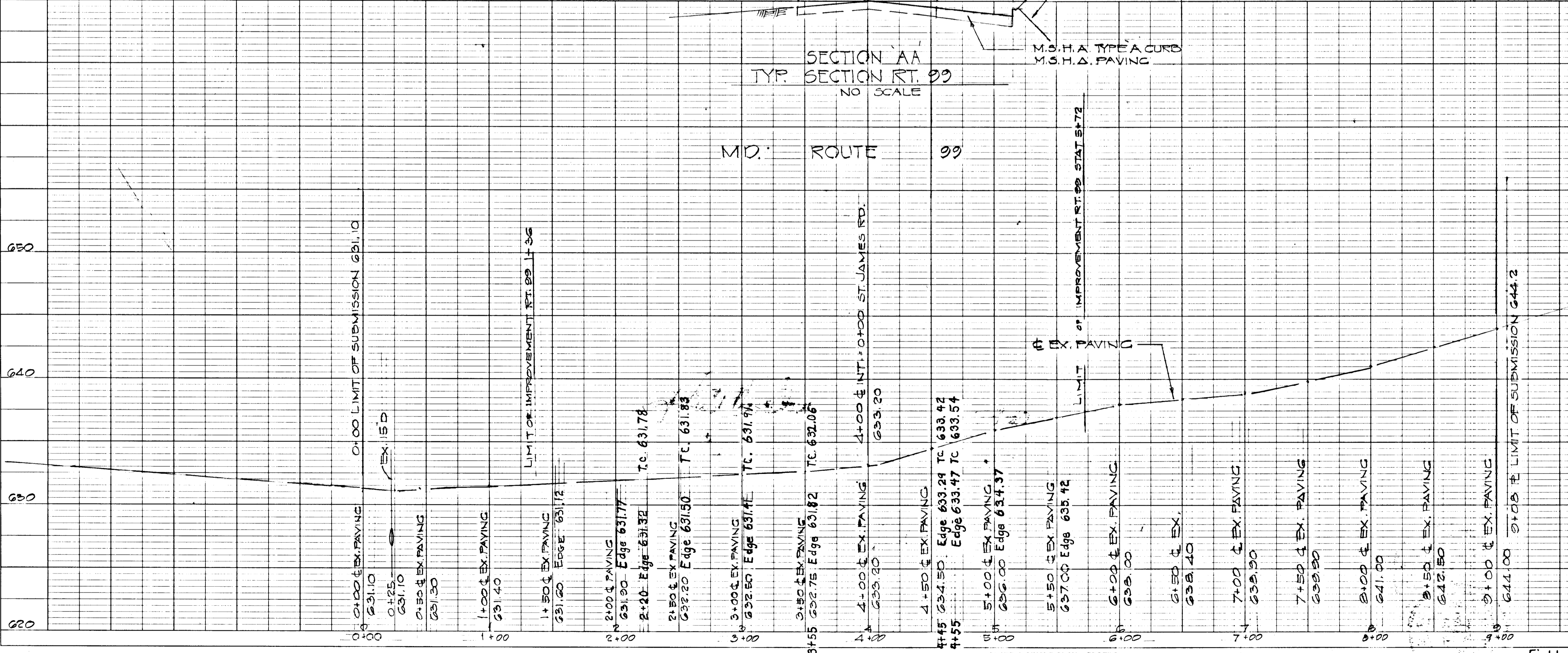
DESIGNED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
DATE 7-7-80

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
DATE 7-7-80



DATE	
BY	
PLAN SURVEYED PLOTTED CHECKED	
NOTE BOOK NO.	

DATE	
BY	
PROFILE SURVEYED PLOTTED CHECKED	
NOTE BOOK NO.	



Walter Park
2/11/80

ROAD CONSTRUCTION PLAN
MD. SLACK ROUTE ESTATES 99
3RD. DISTRICT SCALE AS SHOWN
HO. CO. MD. JAN. 31, 1980

ENGINEERS:
LAND DEVELOPMENT CONSULTANTS
HUDKINS ASSOCIATES
231 JOSEPH SQUARE
COLUMBIA MD. 21044
730-3060

OWNER:
SECURITY DEVELOPMENT CORP.
B NORMANDY SHOPPING
ELLCOTT CITY MD 21045
465-4242

6/9/80

ENGINEER'S CERTIFICATE: I HEREBY CERTIFY THAT THIS PLAN FOR EROSION CONTROL, PRESENTS 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 COUNTY SOIL CONSERVATION DISTRICT.

Walter Par
WALTER PARK

Aug 18, 1980
DATE

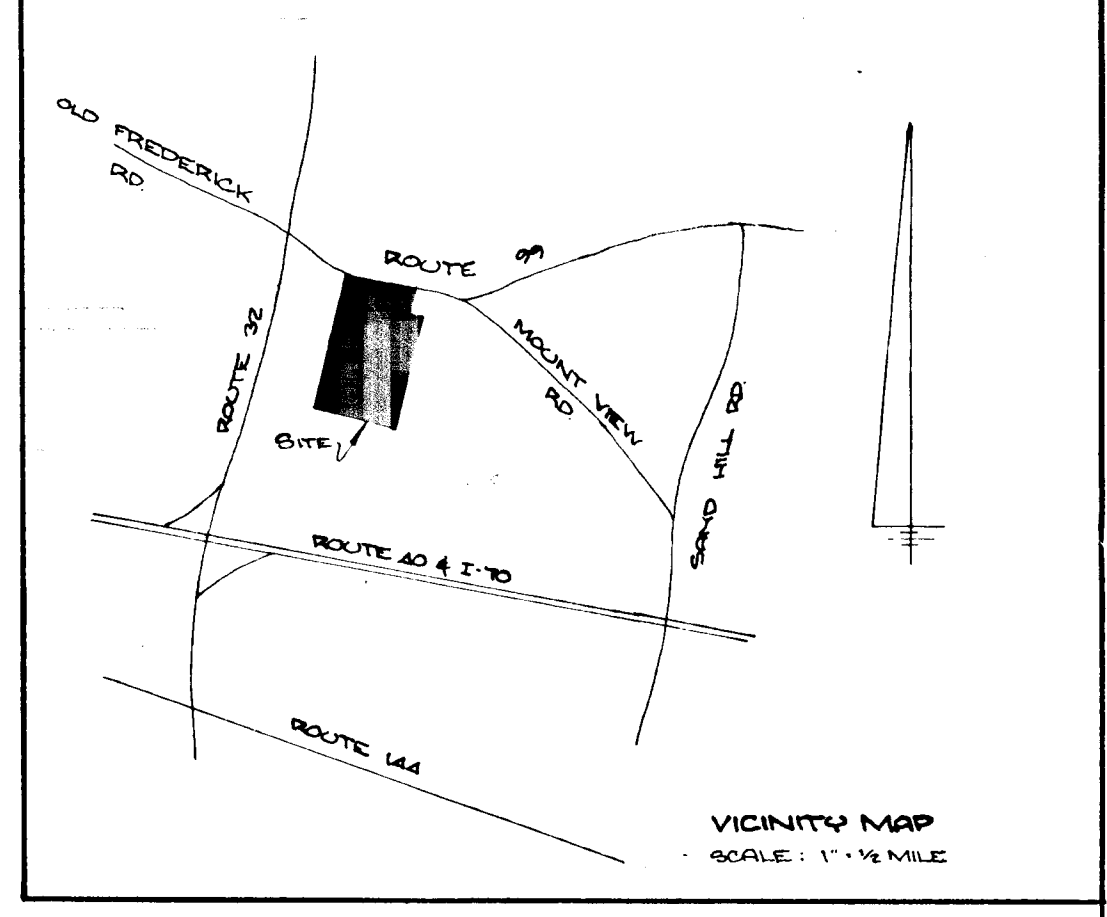
DEVELOPER'S CERTIFICATE: I HEREBY CERTIFY THAT ALL DEVELOPMENT OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT PLAN R-2. EROSION CONTROL, WE AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS AGR. DETERMINED NECESSARY. NO WORK FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE H.C. SOIL CONSERVATION DISTRICT.

James Schultz

Feb 18, 1980
DATE

REMOVED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
Walter Par
U.S. SOIL CONSERVATION SERVICE
DATE: 7-7-80

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND EROSION CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
William J. Plave
HOWARD COUNTY SOIL CONSERVATION DISTRICT
DATE: 7/7/80

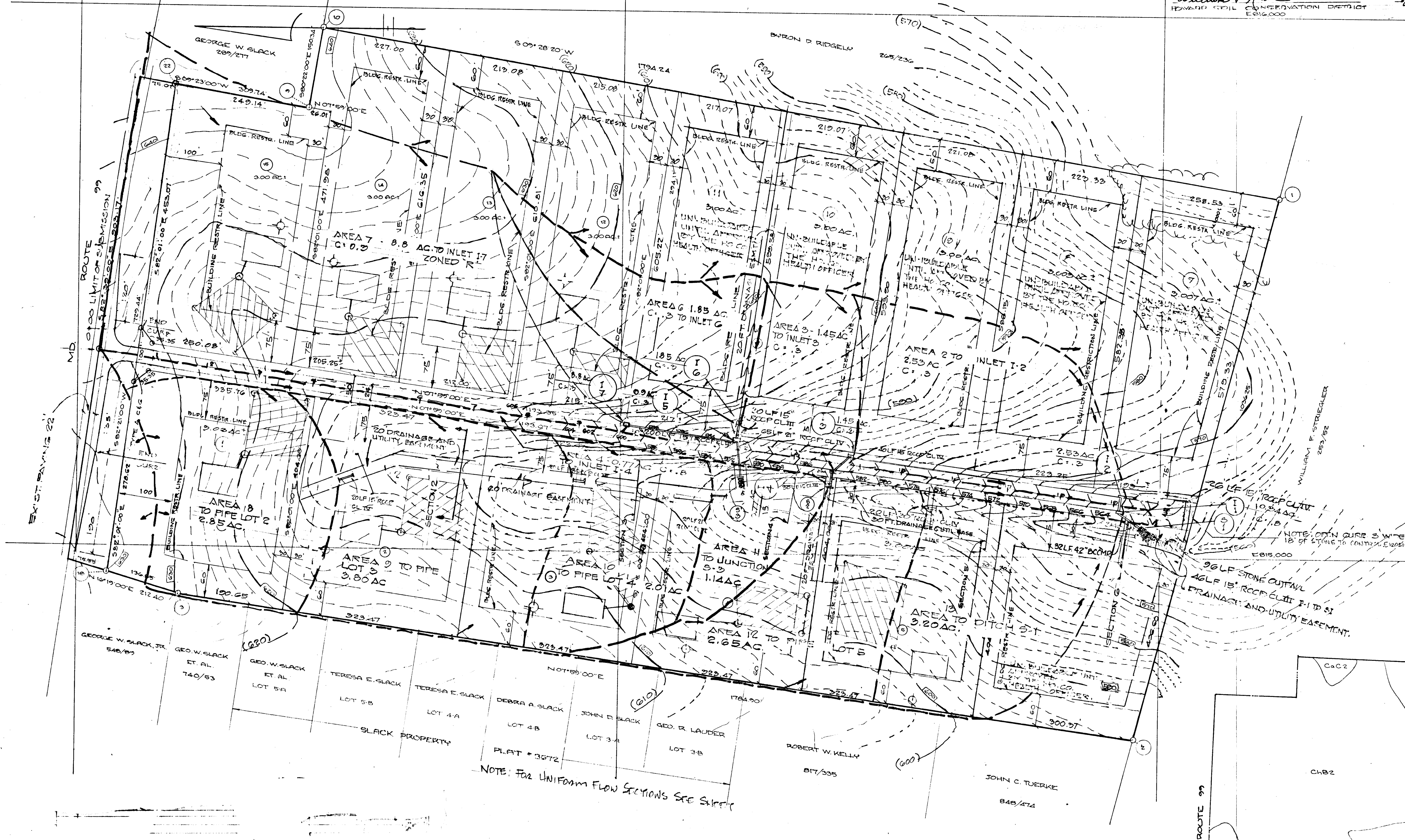
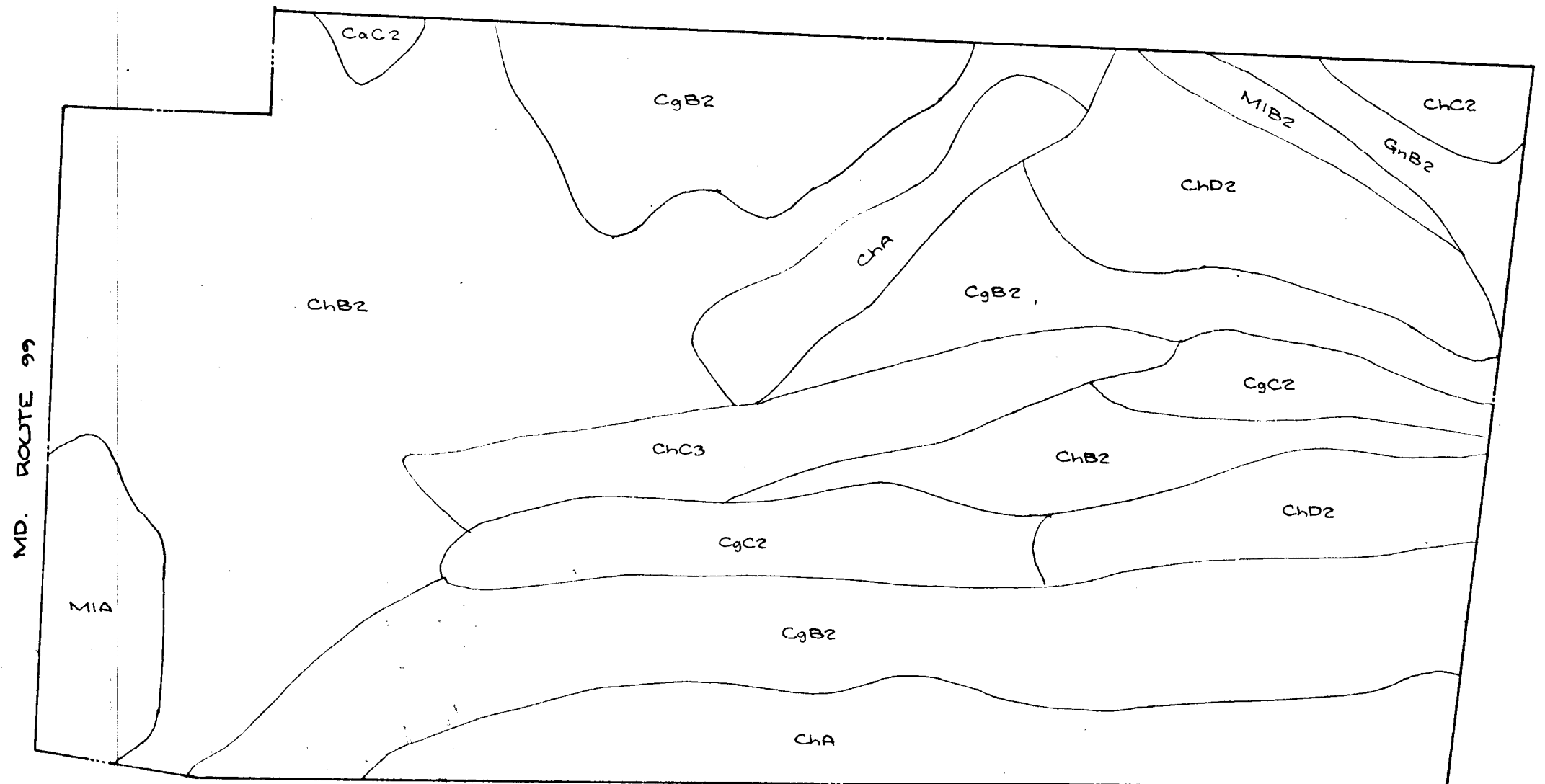


COORDINATES		
NO.	NORTH	EAST
1	539,044.00	814,660.89
2	538,785.11	815,664.28
3	540,811.60	814,908.79
7	540,580.05	815,811.35
10	540,854.89	815,959.57
17	540,845.83	815,670.18
18	540,942.93	814,947.23
22	540,811.63	815,849.62

NOTE: COORDINATE VALUES BASED ON MARYLAND STATE PLANE COORDINATE SYSTEM.

- ZONING: SUBJECT PROPERTY & ALL ADJOINERS ZONED "R".
- GENERAL NOTES:
 1. AREA OF PARCEL SUBMISSION: 48.80 AC.
 2. NO. OF LOTS: 15
 3. TAX MAP NO.: 9
 4. OWNER: GEORGE W. SLACK ET AL
 RT. 99 SLACKS CORNER
 MARRIOTTVILLE, MD, 21104
- DIMED REF. 74.0' E2
 2. PRIVATE WATER & CSEWER
 7. ZONING R ZONING MAP
 8. DENSITY CALCULATIONS
 A. AREA OF LOTS: 45.03 AC.
 B. AREA OF R/W'S: 3.771 AC.
 C. TOTAL AC.: 48.801 AC.

SOILS MAP
SCALE: 1" = 200'



APPROVED: OFFICE OF PLANNING AND ZONING
Walter Par
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 7-8-80

APPROVED: DEPARTMENT OF PUBLIC WORKS
William J. Plave
CHIEF, BUREAU OF ENGINEERING
DATE: 7-14-80

ENGINEER: HODKINS ASSOCIATES, INC.
231 JOSEPH SQUARE
COLUMBIA, MARYLAND 21044

DEVELOPER: SECURITY DEVELOPMENT CORP.
8 NORMANDY SHOPPING CENTER
ELLCOTT CITY, MARYLAND 21043

OWNER: GEORGE W. SLACK, ET AL
ROUTE 99, SLACK'S CORNER
MARRIOTTVILLE, MARYLAND 21104

John K. Schindler
6/9/80
Walter Par

NO.	DATE	DESCRIPTION
1	9-10-85	RELOCATE DRIVEWAY CULVERT SOUTH AND INCREASE THE SIZE

DRAINAGE AREA MAP
SLACK ESTATES
3RD ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP 9, PARCEL 24
APRIL 30, 1979 SCALE: 1" = 100'

DATE	
BY	
NO.	
PLAN	
SURVEYED	
NOTED	
PLOTTED	
CHECKED	
RT. OF WAY	
CHECKED	
NO.	

DATE	
BY	
NO.	
PROFILE	
SURVEYED	
NOTED	
PLOTTED	
CHECKED	
STRUCTURE	
NOTATIONS	
CHECKED	
NO.	

ENGINEER'S CERTIFICATE: I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & 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 COUNTY SOIL CONSERVATION DISTRICT.

WALTER PARK
WALTER PARK
DATE: Feb 8, 1980

DEVELOPER'S CERTIFICATE: I HEREBY CERTIFY THAT ALL DEVELOPMENT FOR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR EROSION & SEDIMENT CONTROL. WE AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AND AGREE TO ACCEPT IMMEDIATE DIVERSION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

JAMES R. SHULTZ
DEVELOPER FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
DATE: Feb 8, 1980

DAVE J. BELEN
U.S. GEOLOGICAL SURVEY
DATE: 7-7-80

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
WILLIAM S. PEARCE
HOWARD COUNTY SOIL CONSERVATION DISTRICT
DATE: 7-7-80

APPROVED: OFFICE OF PLANNING AND ZONING
DATE: 7-8-80
CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: DEPARTMENT OF PUBLIC WORKS
DATE: 7-14-80
CHIEF, BUREAU OF ENGINEERING

- SEQUENCE AND METHOD FOR REMOVAL OF TEMPORARY SEDIMENT BASIN:
1. PUMP STANDING WATER THROUGH RISER.
 2. MUCK OUT BASIN. MIX REMOVED SEDIMENT WITH UNCLASSIFIED EXCAVATION TO CONSTRUCT 3:1 SIDE SLOPES FROM ROAD R/W LINE.
 3. REMOVE RISER & BARREL AND LEVEL EMBANKMENT TO FIN. GR.
 4. STABILIZE AREA ACCORDING TO PERMANENT SETTING NOTES.

- CONSTRUCTION SPEC. FOR TEMPORARY BASIN:
1. CUT OFF TRENCH, & CUT OFF TRENCH SHALL BE EXCAVATED ALONG & OF EARTH FILL EMBANKMENTS, MIN. DEPTH 2 FT., MIN. BOTTOM WIDTH 4', SIDE SLOPES 2:1. COMPACTION REQUIREMENTS: SEE EMBANKMENT SPEC. THE TRENCH SHALL BE DE-WATERED DURING BACKFILLING & COMPACTION OPERATIONS.
 2. EMBANKMENT SPEC. THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED SOURCE(S) AND SHALL BE CLEAN MATERIAL FREE OF STONE, WOODY VEGETATION, ROCKS, ETC. RELATIVELY FINE SANDY MATERIAL SUCH AS SAND OR GRAVEL SHALL NOT BE USED IN EMBANKMENT. EACH LAYER OF FILL IS TO BE TAMPED BY AT LEAST ONE WHOLE OR THREE PARTS OF THE EQUIPMENT BY THE USE OF A COMPACTOR. THE EMBANKMENT SHALL BE CONSTRUCTED TO AN ELEVATION 10% HIGHER THAN THE DESIGN HEIGHT TO ALLOW FOR SETTLEMENT.
 3. PIPE: SMALL WATER RISER SHALL BE SECURELY ATTACHED TO THE BARREL BY WELDING ALL AROUND & ALL CONNECTIONS SHALL BE WATER TIGHT. THE BARREL AND RISER SHALL BE PLACED ON A CONC. BASE AS SHOWN. THE CONNECTION BETWEEN THE OVER EXPOSED PART SHALL BE WATER TIGHT. PERMANENT MATERIALS SUCH AS SANDY GRAVEL, COURSED STONE, SHALL NOT BE USED AS BACKFILL.

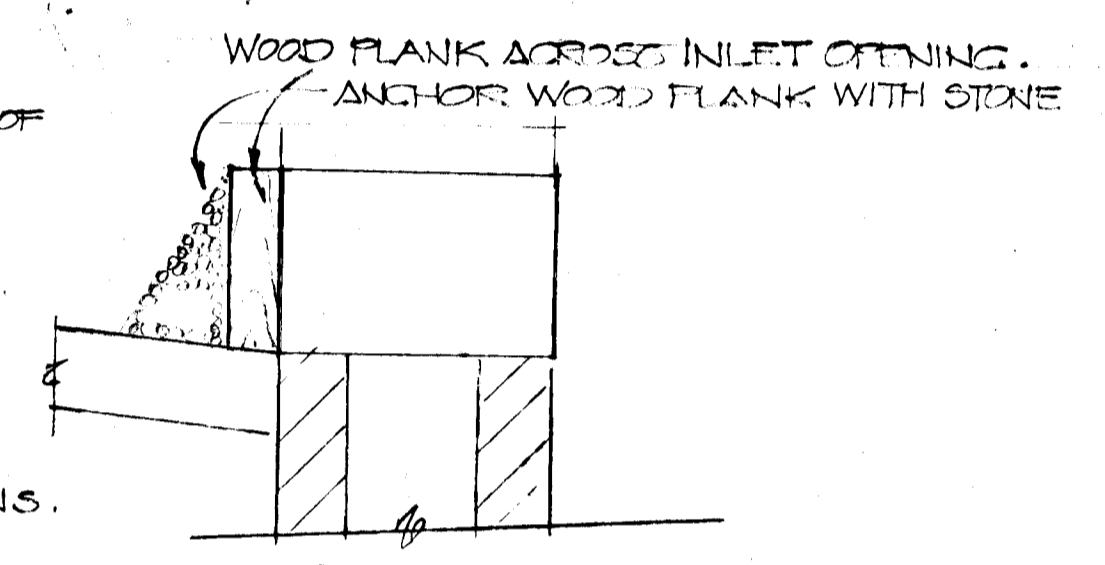
SEQUENCE OF CONSTRUCTION:

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROL MEASURES.
3. GRADE ROAD.
4. CONSTRUCT ROAD TO STAT 18+70.
5. AFTER ROADWAY IS FULLY STABILIZED TO STAT. 18+70, REMOVE PORTION OF EARTH DAM CONFLICTING WITH ROAD CONSTRUCTION. CONSTRUCT ROAD TO LIMIT OF SUBMERSION. BARREL & RISER TO REMAIN IN PLACE UNTIL PROJECT IS COMPLETE.

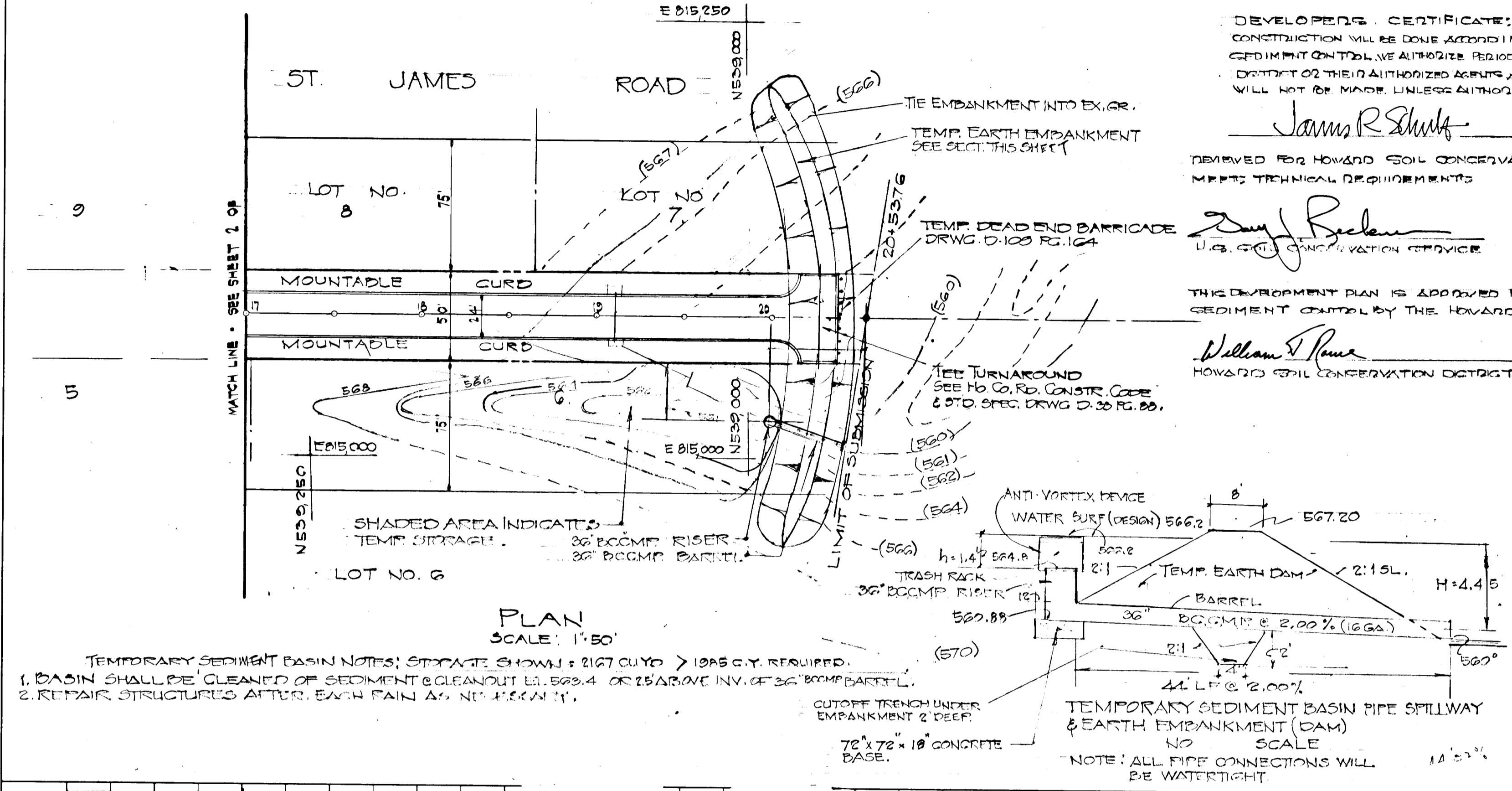
SITE ANALYSIS:

1. TOTAL AREA OF SITE: 48.92 AC.
2. TOTAL AREA OF ROADWAY: 2.2 AC.
3. TOTAL DISTURBED AREA: 3.14 AC. (ROAD ONLY)
4. TOTAL CUT: 3000 CY.
5. TOTAL FILL: 3000 CY.

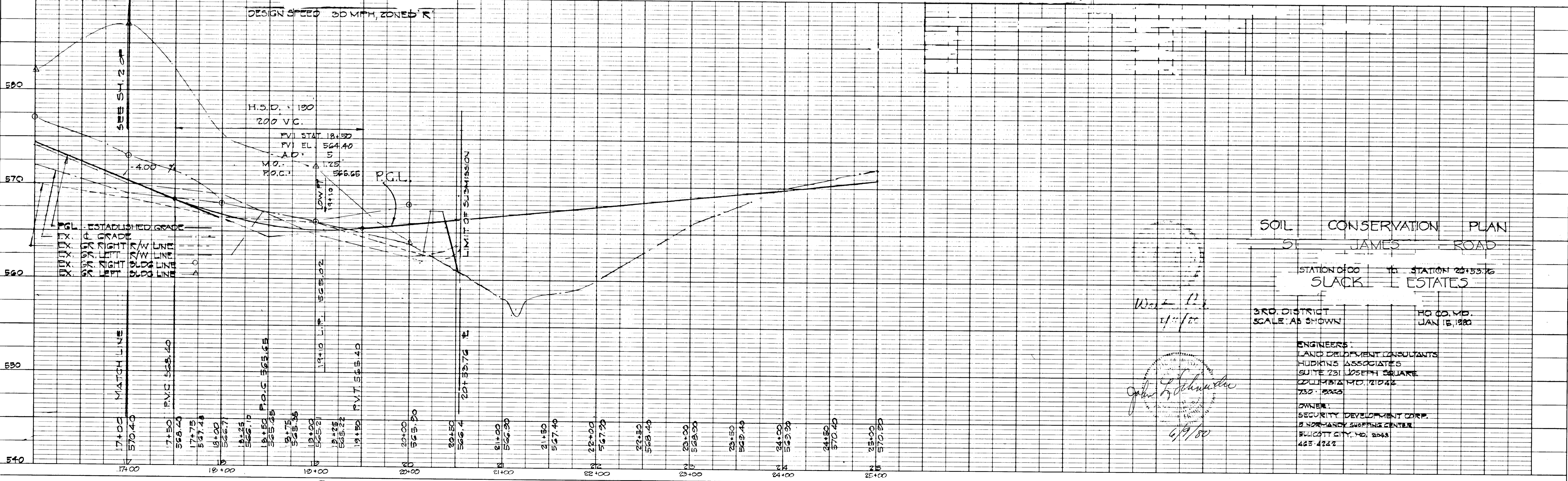
NOTE: BLOCK ALL INLETS DURING GRADING OPERATIONS.



DETAIL BLOCKING INLET OPENINGS
NO SCALE



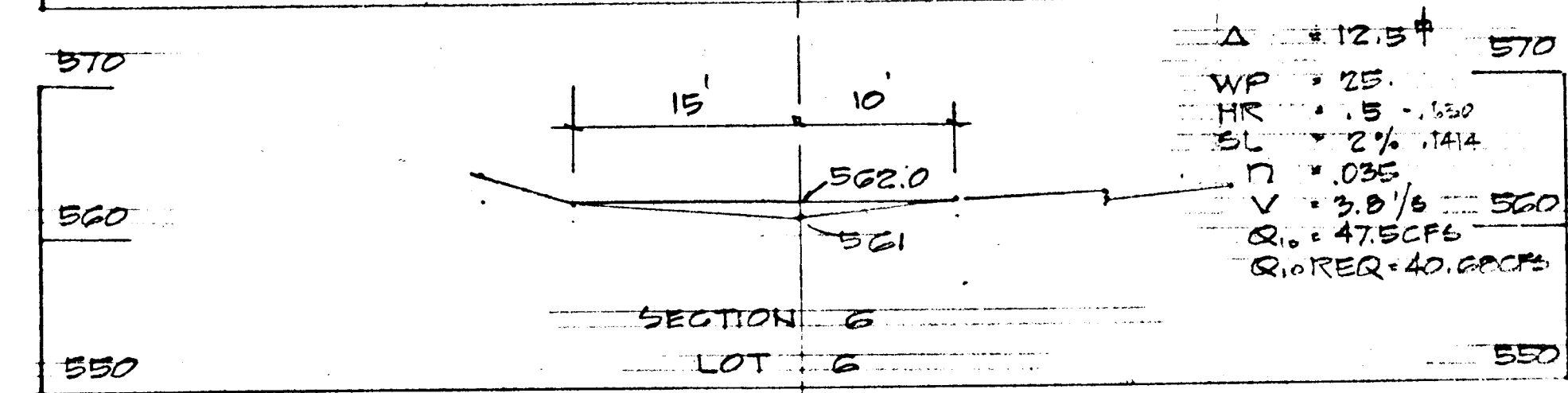
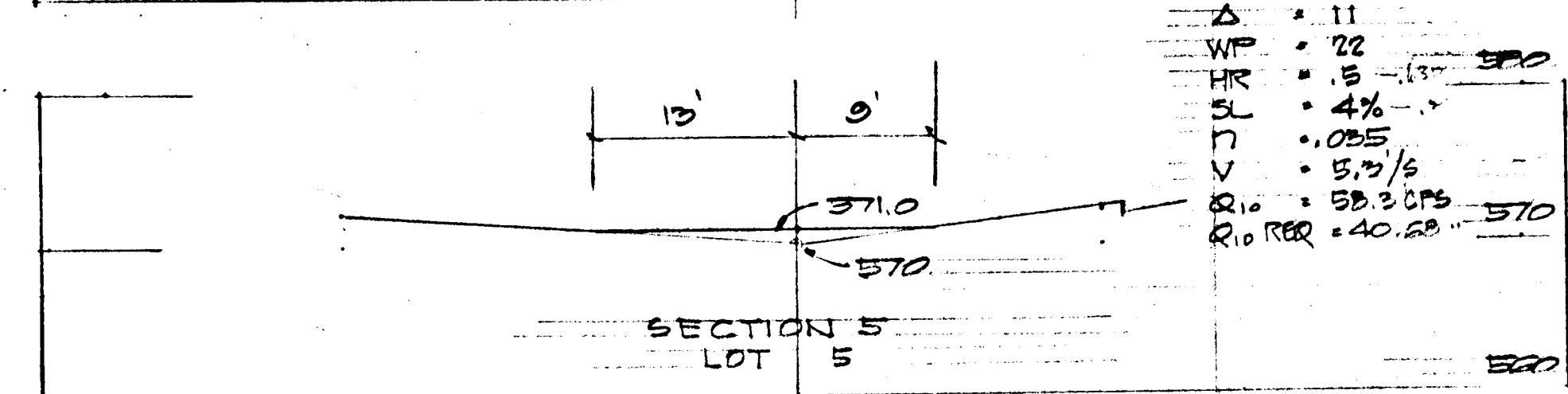
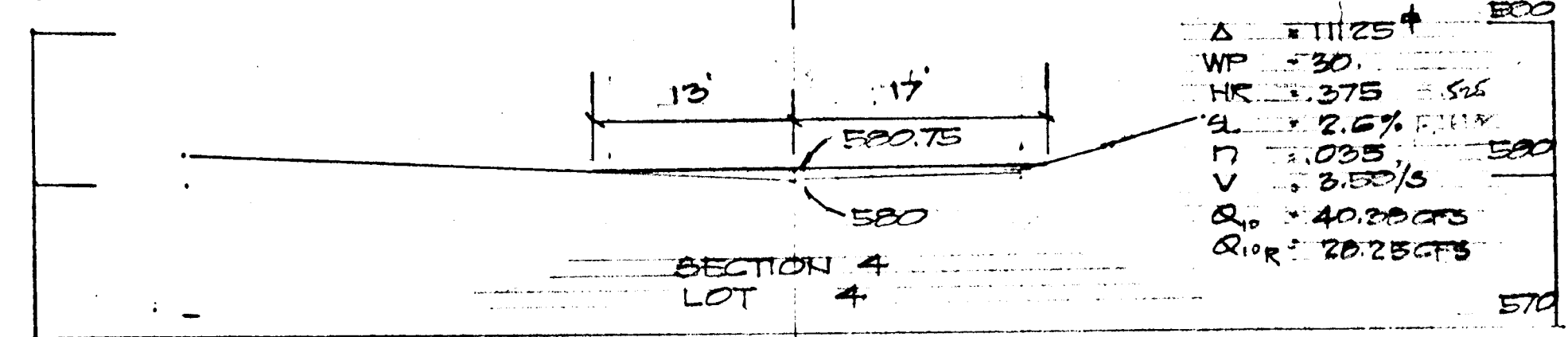
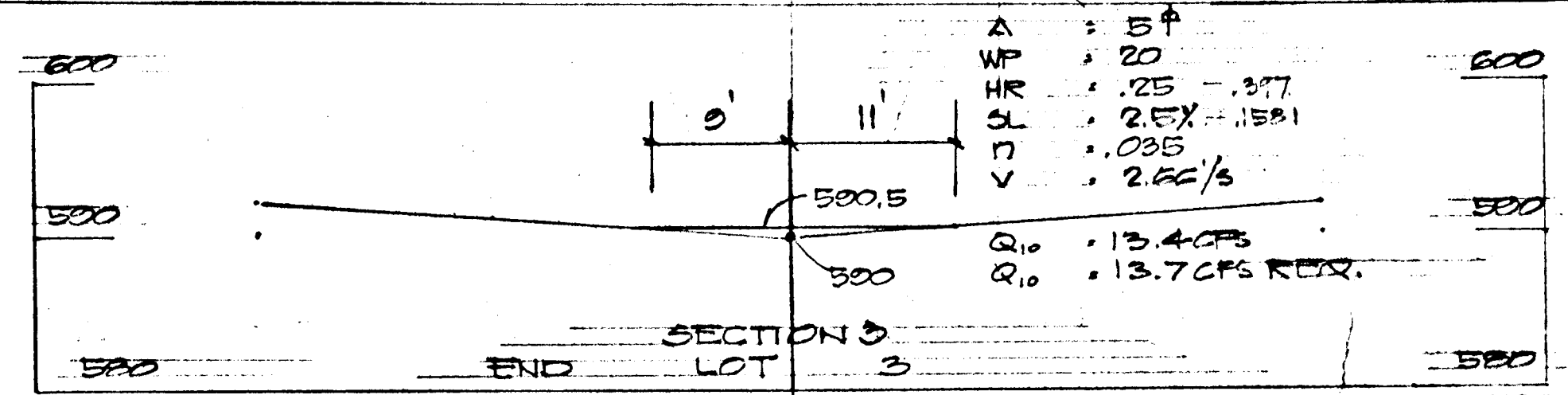
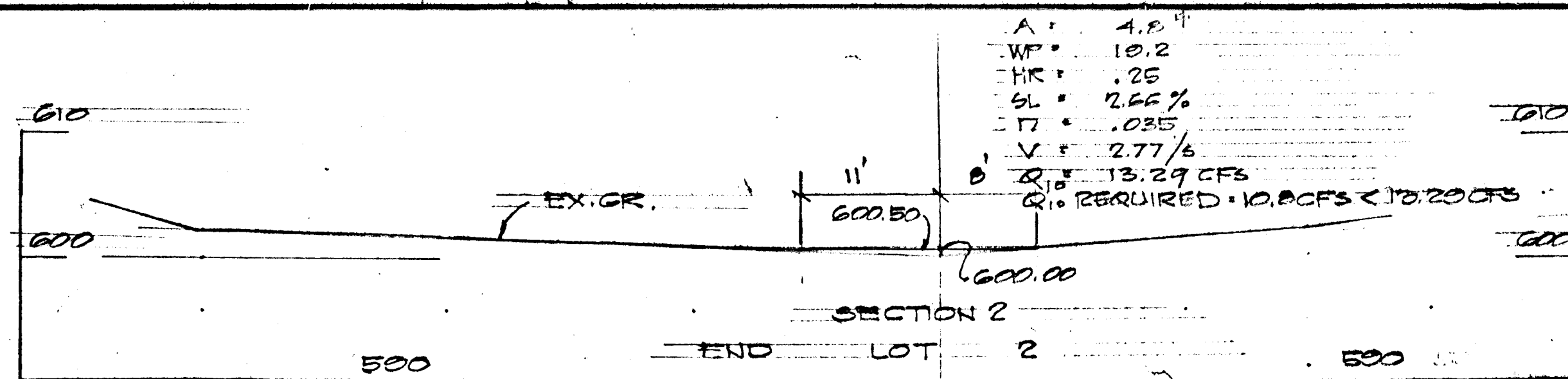
TEMPORARY SEDIMENT BASIN NOTES: STRUCTION SHOWN: 2167 CY. > 1045 CY. REQUIRED.
1. BASIN SHALL BE CLEANED OF SEDIMENT & CLEANOUT EL. 563.4 OR 25' ABOVE INV. OF 36" D.C.M.P. PARTIAL.
2. REPAIR STRUCTURES AFTER EACH RAIN. AS NECESSARY.



BRUNING 44-132 29726

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

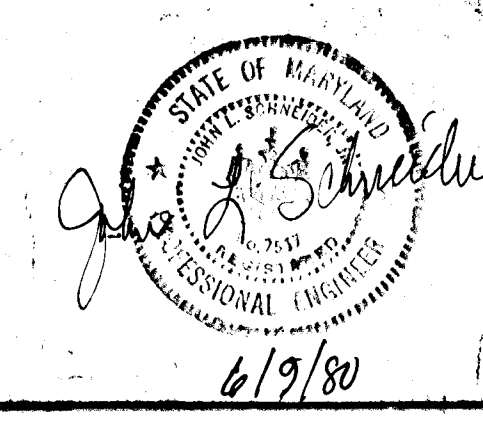
SOIL CONSERVATION PLAN
ST. JAMES ROAD
STATION 0+00 TO STATION 25+50.76
SLACK ESTATES
3RD DISTRICT
SCALE AS SHOWN
HO CO. MD.
JAN 15, 1980
ENGINEERS:
LAND DEVELOPMENT CONSULTANTS
HUDKINS ASSOCIATES
SUITE 231 JOSEPH SQUARE
COLUMBIA MD. 21046
730-2000
OWNER:
SECURITY DEVELOPMENT CORP.
8 NORFOLK SHOPPING CENTER
BURLINGTON, MD. 20433
425-4242



SWALE SECTIONS THRU LOTS 2, 3, 4, 5 & 6
 SCALE: VERT. 1" = 10'
 HORIZ. 1" = 10'

DRAINAGE SECTIONS
 THRU LOTS 2, 3, 4, 5 & 6
 SLACK PROPERTY SECT. 2
 3RD DISTRICT
 SCALE: AS SHOWN
 ENGINEERS LAND DEVELOPMENT CONSULTANTS
 HUDKINS ASSOCIATES
 1221 JOSEPH SQUARE
 COLLEMBIA, MD. 21044
 780-9060

APPROVED OFFICE OF PLANNING AND ZONING
Sheel M. ... 7880
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
 APPROVED DEPARTMENT OF PUBLIC WORKS
William S. ... 7-14-80
 CHIEF, BUREAU OF ENGINEERING DATE



DRAINAGE SECTIONS
 SLACK PROPERTY SECTION 2
 SCALE: AS SHOWN
 DATE: 6/19/80
 DRAWN BY
 CHECKED BY
 DATE: 6/19/80
 DRAWING NUMBER