

SHEET INDEX	
NO.	DESCRIPTION
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2	PLAN AND PROFILE OF BROWNS BRIDGE ROAD
3	PLAN AND PROFILE OF LIME KILN ROAD
4	PLAN AND PROFILE OF LIME KILN ROAD
5	DRAINAGE AREA MAP
6	DETAILS AND STORM DRAIN PROFILES
7	GRADING AND SEDIMENT CONTROL PLAN
8	SEDIMENT CONTROL NOTES AND DETAILS

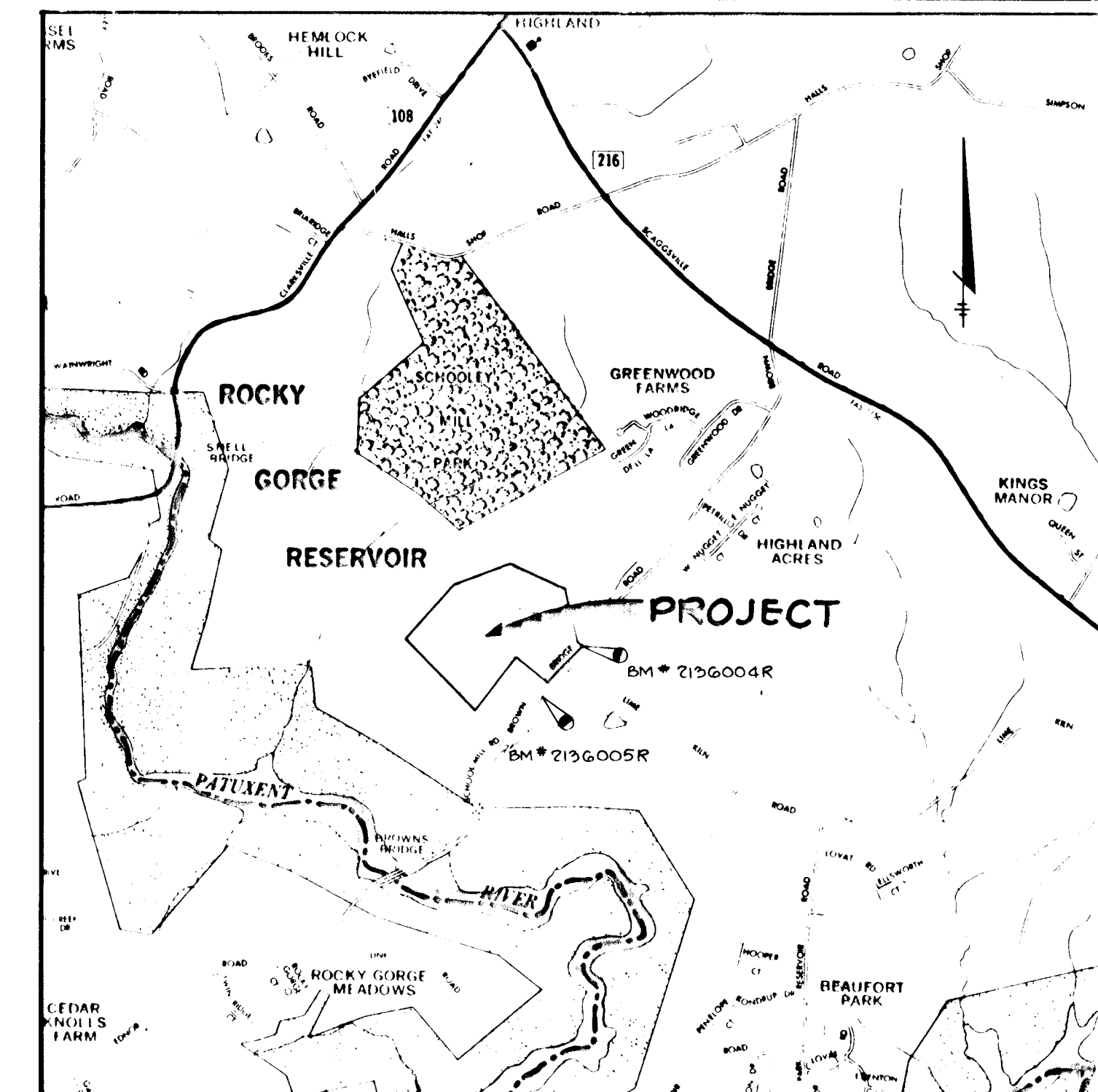
ROADWAY & STORM DRAIN LIME KILN VALLEY SECTION 1, AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR ROAD CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER. A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.

BELL TELEPHONE SYSTEM	393-3649
LONG DISTANCE CABLE DIVISION	393-3553 OR 3554
BALTIMORE GAS AND ELECTRIC	539-8000 EXT. 691
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
HOWARD COUNTY CONSTRUCTION INSPECTION SURVEY DIVISION	992-2417/2418
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 20.0' RADII UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1971 EDITION.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS:

ALL LOCAL STREETS DESIGNED FOR 30 M.P.H.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
- ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM 95% OF MAXIMUM OBTAINABLE DENSITY DETERMINED BY MARSHALL PROCTOR.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED R PER 10-3-77 COMPREHENSIVE ZONING PLAN.

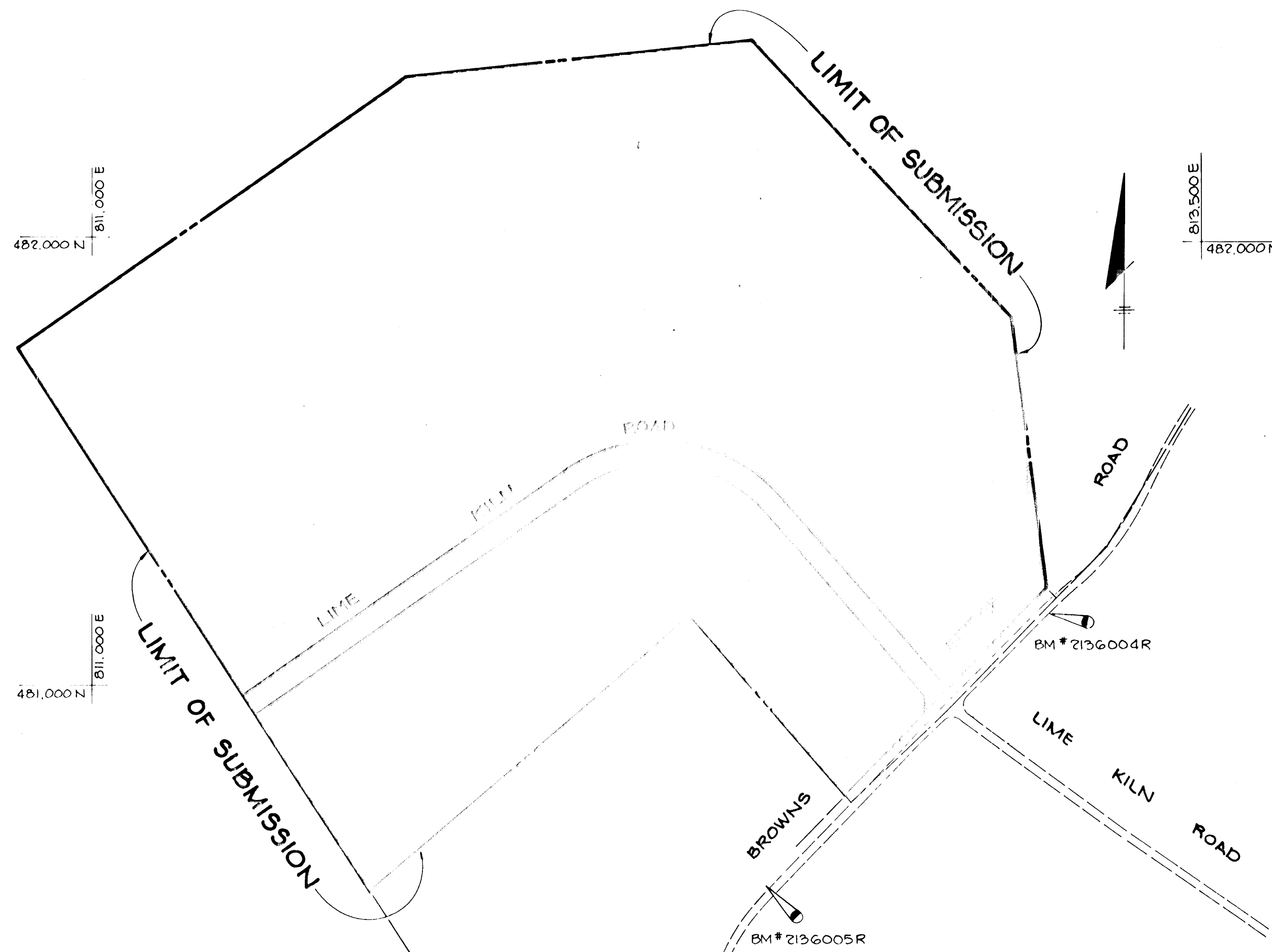


VICINITY MAP
SCALE: 1" = 2000'

BM* 2136004-R ELEV 374.62
CONCRETE MONUMENT FLUSH
16.2' OFF R. ROAD

BM* 2136005-R ELEV 335.35
REPAIR 05' BELOW SURFACE, 120' ±
WEST OF DRIVEWAY TO MR D'LEISHEAR

AS-BUILT 8-7-85

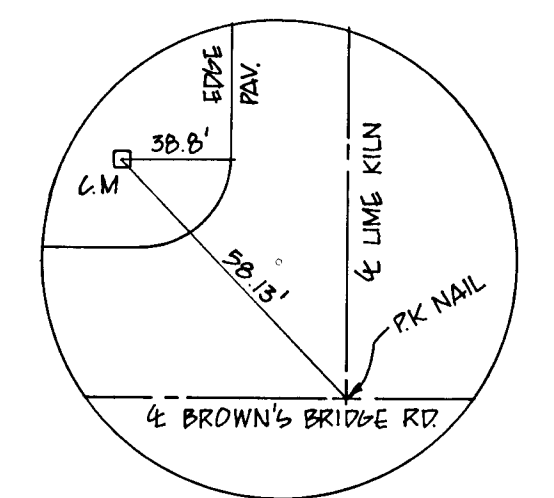
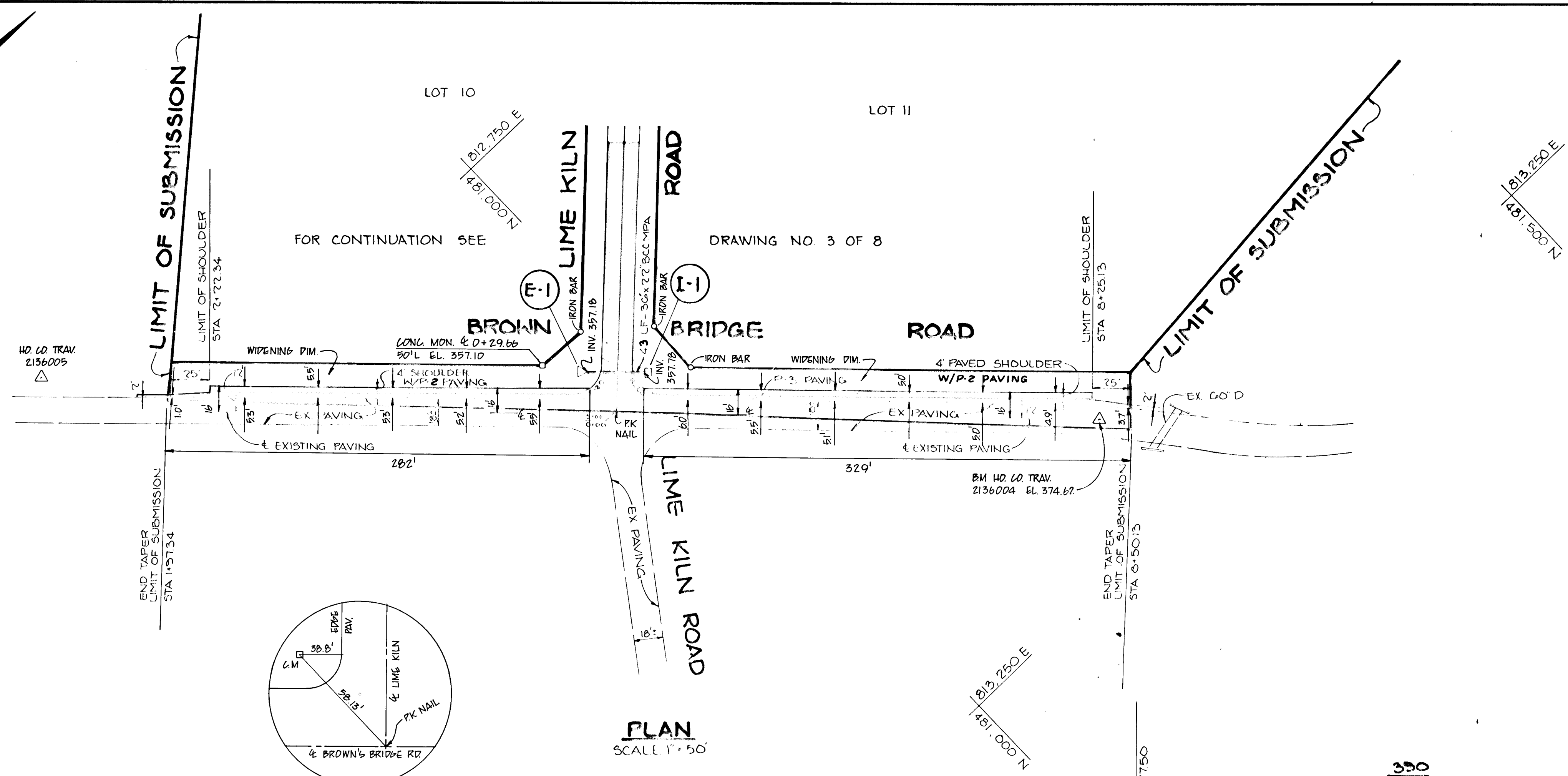


PLAN
SCALE: 1" = 200'

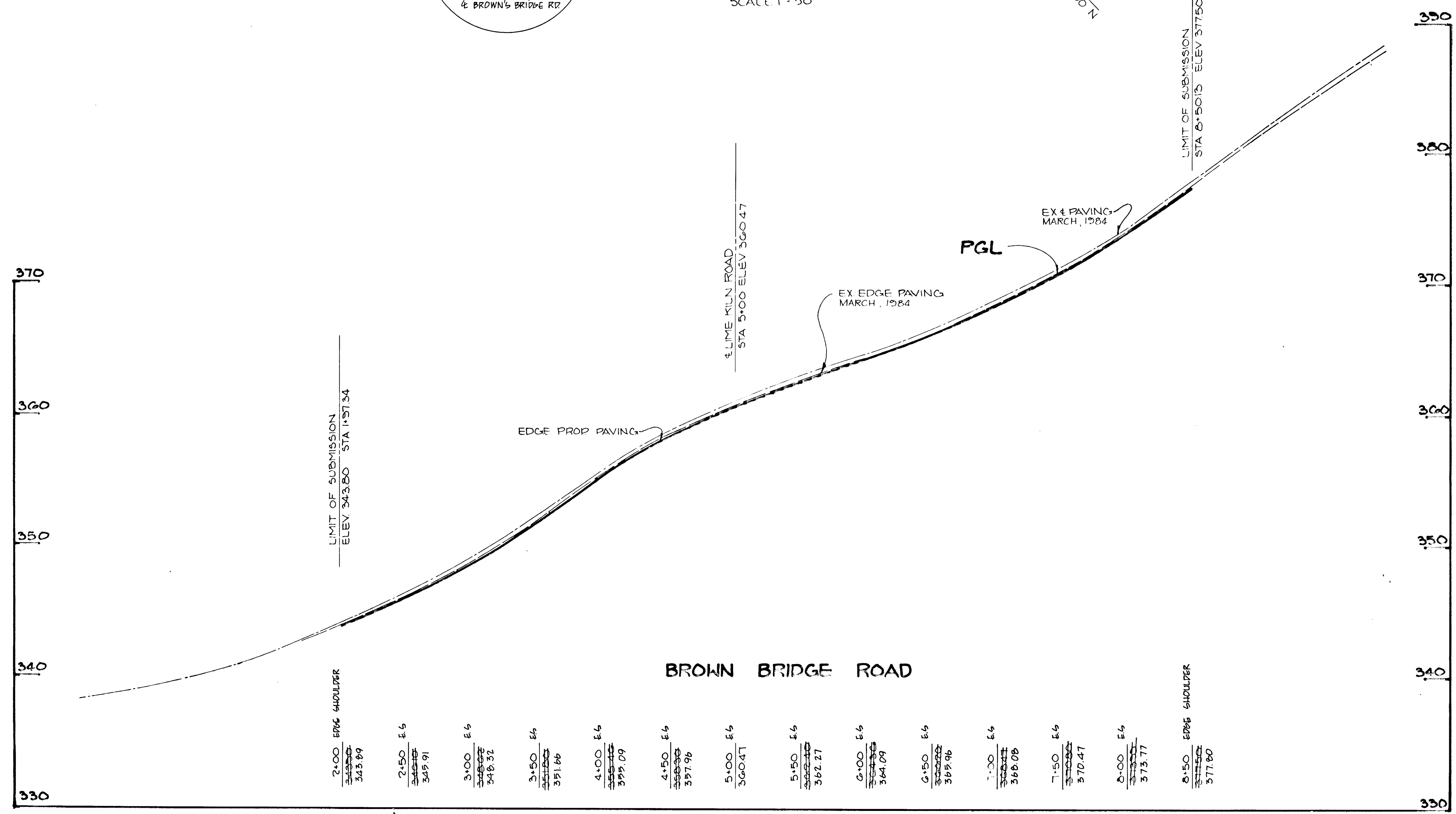
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<i>J. M. Mueschman</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	7-19-84 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>Wesley B. Reed</i> CHIEF, BUREAU OF ENGINEERING	7-23-84 DATE
10-24-84 DATE	CHANGED SUBDIVISION NAME REVISION
TRACY, SCHULTE & ASSOCIATES INC. planning • architecture • engineering 8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105	
OWNER: GRACE A. E. EISENHARDT % JAMES DOLAN DAVIS, POLK & WARDWELL 2 WEST 57TH STREET NEW YORK, NEW YORK 10019	PROJECT: LIME KILN VALLEY SECTION 1 AREA 1 LOTS 1 THRU 14
DEVELOPER: SECURITY DEVELOPMENT CORP 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD. 21043	LOCATION: HOWARD COUNTY, MARYLAND 5TH ELECTION DISTRICT TAX MAP 40 PARCEL 116
DES: J.K.T.	DRN: R.J.W.
DATE: MAY 16, 1984	PROJECT NO: 0282 F
SCALE: AS SHOWN	DRAWING: 1 OF 8

#1066

STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	DESCRIPTION
1-1	'K' INLET	20' RT OF STA 0 + 27 22.4' LIME KILN ROAD	-	357.78	359.28 @ THROAT	HC STD SD 4.12
E-1	36" x 22" METAL END SECTION	20' LT OF STA 0 + 27 LIME KILN ROAD	357.48		-	HC STD SD 5.63
E-2	65" x 40" METAL END SECTION	28' LT OF STA 10 + 80 LIME KILN ROAD	364.87	.90	-	HC STD SD 5.63
E-3	65" x 40" METAL END SECTION	28' RT OF STA 10 + 80 LIME KILN ROAD		365.14	-	HC STD SD 5.63
E-4	36" METAL END SECTION	26' LT OF STA 11 + 25 LIME KILN ROAD	366.47	.71	-	HC STD SD 5.61
E-5	35" METAL END SECTION	26' RT OF STA 11 + 49 LIME KILN ROAD		366.88	-	HC STD SD 5.61



PLAN
SCALE 1" = 50'



PROFILE
SCALE 1" = 50'

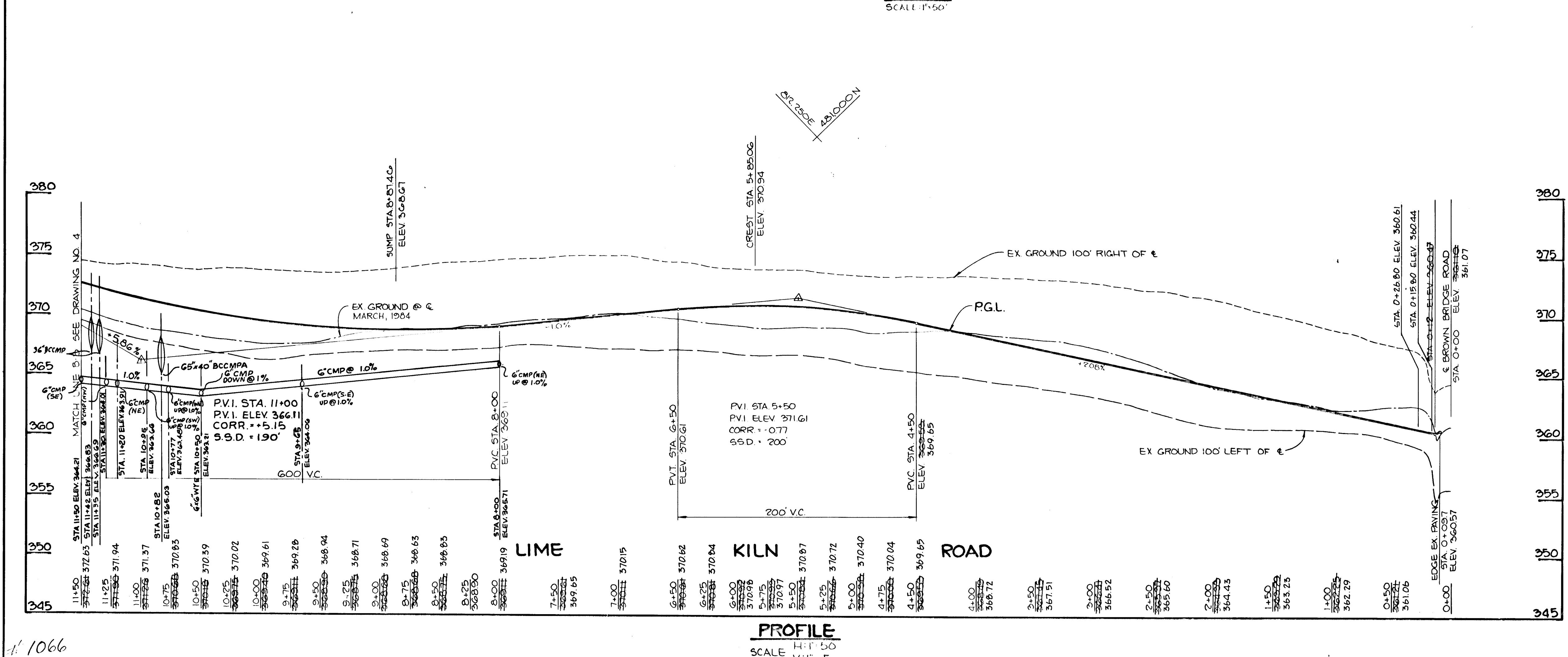
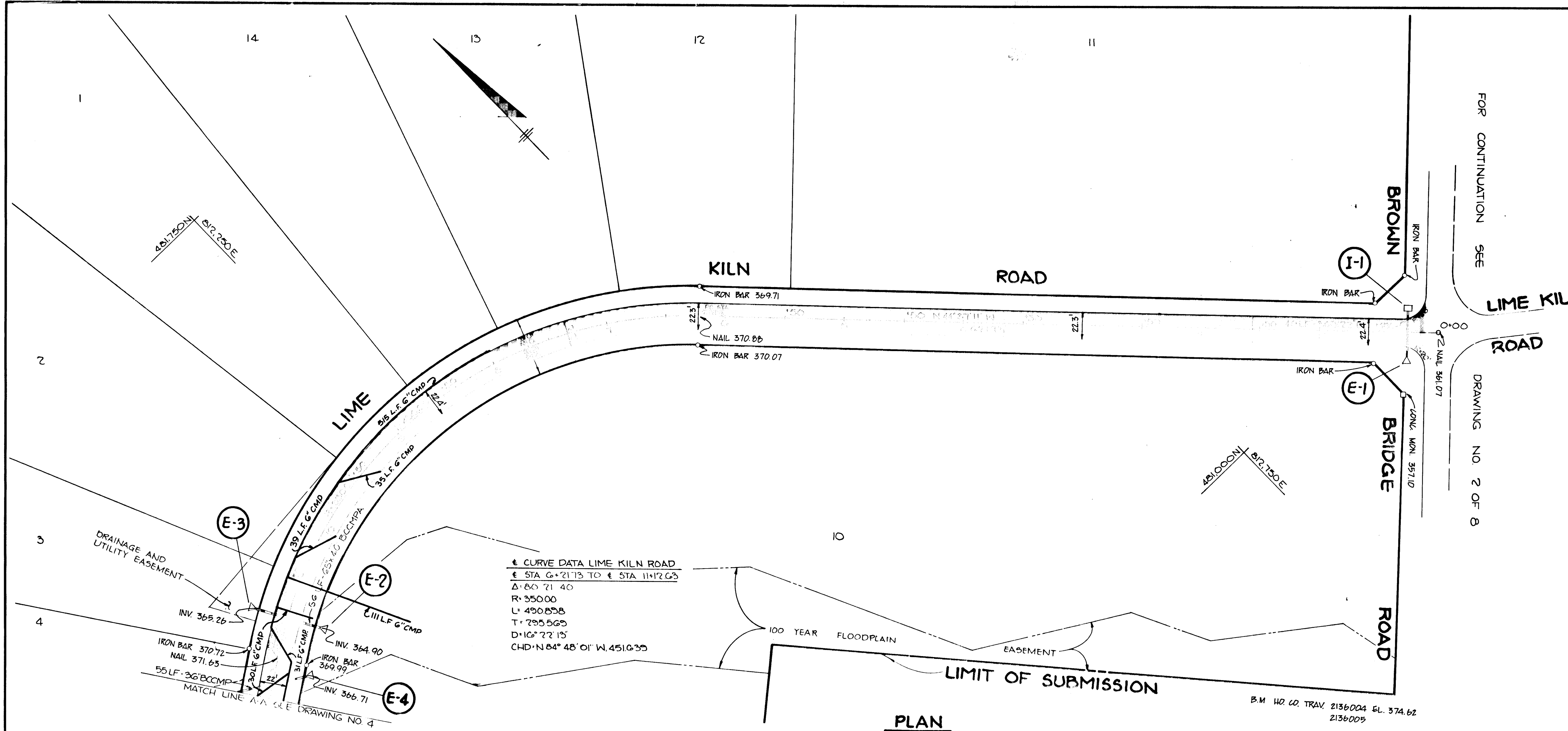
AS-BUILT 8-7-85

3	1-7-85	REVISED SHOULDER PAVING FROM P-7 TO P-2
NO	DATE	REVISION
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
<i>James E. Riley</i>		7-23-84
CHIEF, BUREAU OF ENGINEERING		
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING		
<i>John Marchman</i>		7-17-84
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION		
2	11-9-84	REVISED INLET I-1
1	10-24-84	CHANGED SUBDIVISION NAME
NO	DATE	REVISION

TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering

8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105

OWNER	PROJECT LIME KILN VALLEY	
GRACE A.E. EISENHARDT % JAMES DOLAN DAVIS POLK & WARDWELL 5 WEST 57TH STREET NEW YORK NEW YORK 10019	SECTION 1, AREA 1 LOTS 1 THRU 14	
DEVELOPER	LOCATION HOWARD COUNTY, MARYLAND 5TH ELECTION DISTRICT TAX MAP 40 PARCEL 116	
SECURITY DEVELOPMENT CORP 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD. 21043	TITLE	PLAN AND PROFILE BROWN BRIDGE ROAD
DES. JKT	DRN. JLT	DATE MAY 16, 1984 PROJECT NO. 0282 RSD
		SCALE AS SHOWN DRAWING 2 OF 8



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 7-23-84

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 7-19-84

NO	DATE	REVISION
2	1-8-85	ADDED UNDERDRAINS
1	10-24-84	CHANGED SUBDIVISION NAME

TRACY, SCHULTE & ASSOCIATES INC.
 planning • architecture • engineering
 8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105

OWNER: GRACE A.E. EISENHARDT, JAMES DOLAN, DAVID FOLK & WARDWELL, NEW YORK, NEW YORK 10019

PROJECT: LIME KILN VALLEY

SECTION ONE, AREA ONE LOTS 1 THRU 14

LOCATION: HOWARD COUNTY, MARYLAND, 5th ELECTION DISTRICT, TAX MAP 40, PARCEL 116

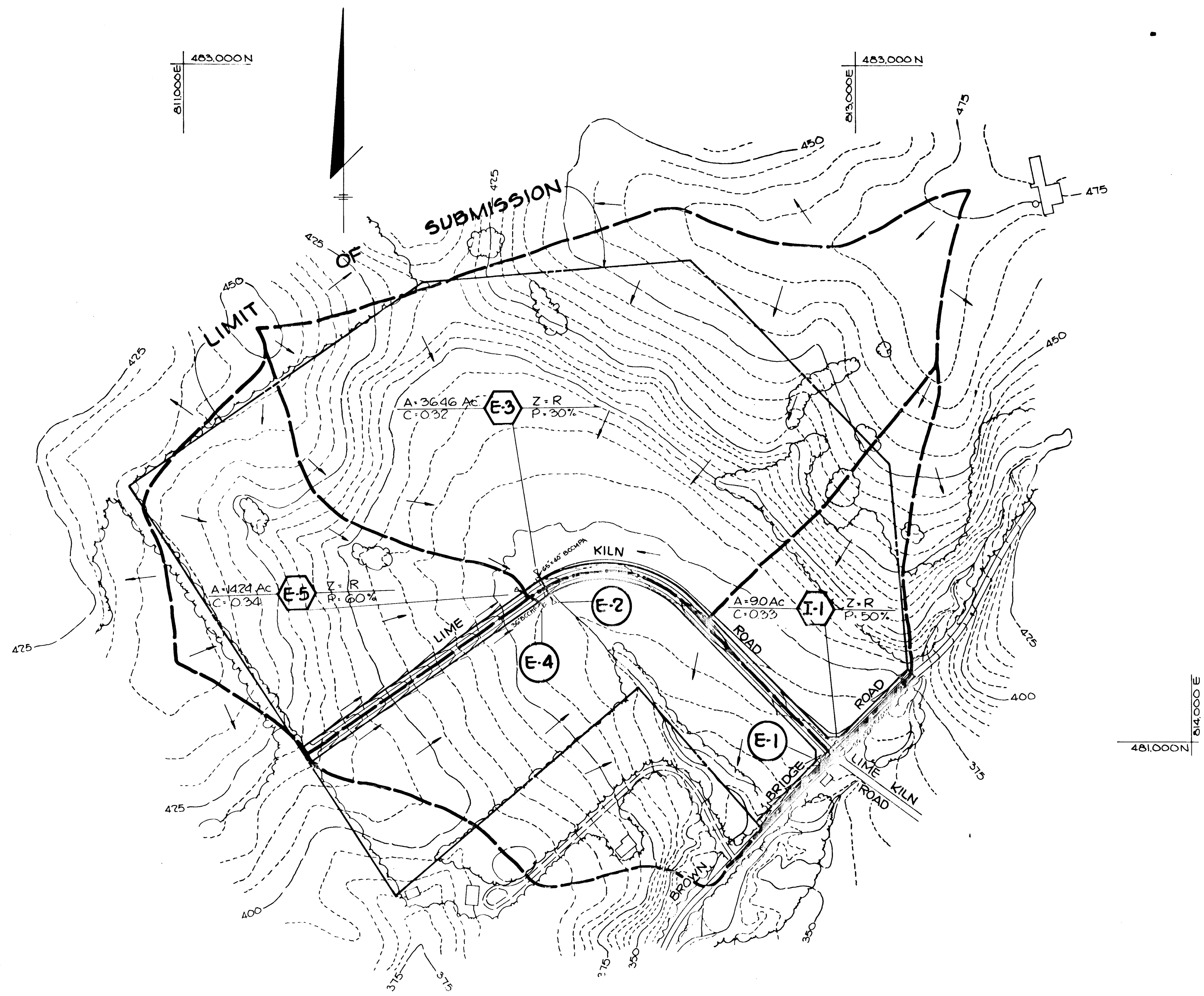
DEVELOPER: SECURITY DEVELOPMENT CORP, 8450 BALTIMORE NATIONAL PIKE, ELLICOTT CITY, MD. 21043

TITLE: PLAN AND PROFILE OF LIME KILN ROAD

DATE: MAY 16, 1984 PROJECT NO: 0282 RSD

DES: JKT DRN: KAM SCALE: AS SHOWN DRAWING: 3 OF 8

AS-BUILT 8-7-85



PLAN
SCALE 1"=200'

AS-BUILT 6-7-85

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>William E. Ryan</i>	7-23-84
CHIEF, BUREAU OF ENGINEERING	DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<i>John M. Mischman</i>	7-19-84
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE
NO	REVISION
1	10-24-84 CHANGED SUBDIVISION NAME

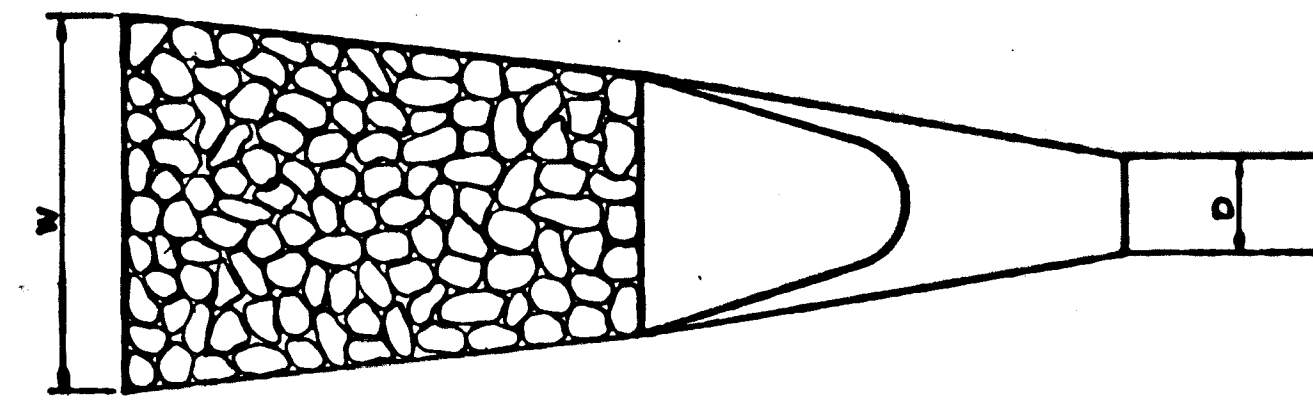
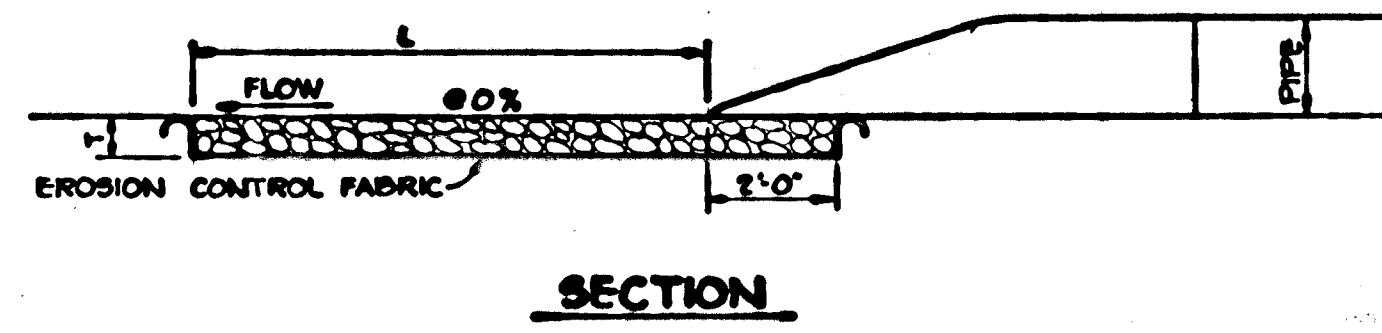
TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering
8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105



Tracy Schulte

OWNER GRACE A. EISENHARDT % JAMES DOLAN DAVIS, POLK & WARDWELL 3 WEST 57th STREET NEW YORK, NEW YORK 10019	PROJECT LIME KILN VALLEY SECTION 1, AREA 1 LOTS 1 THRU 14 LOCATION HOWARD COUNTY, MARYLAND 5th ELECTION DISTRICT TAX MAP 40 PARCEL 11C
DEVELOPER SECURITY DEVELOPMENT CORP 0450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21043	TITLE DRAINAGE AREA MAP
DATE MAY 16, 1984	PROJECT NO 0282 RSD
DES JKT	DRN JLT
SCALE 1"=200'	DRAWING 5 OF 8

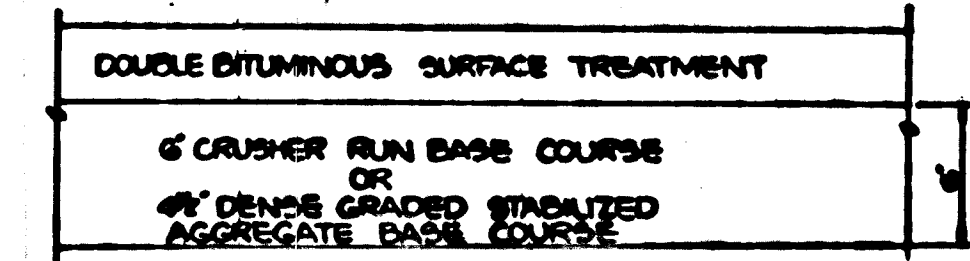
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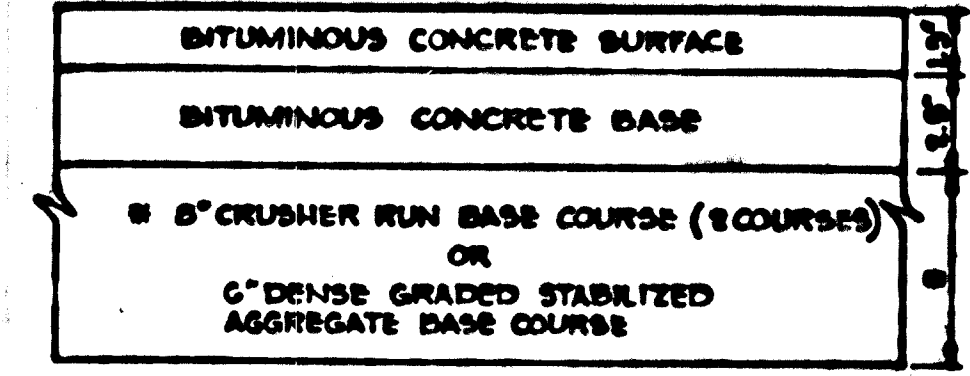
PLAN

STRUCTURE	MEDIUM STONE DIA.	LENGTH (L)	WIDTH (W)	THICKNESS (T)
E-1	5	120	124	7.5
E-2	8	205 21	214 21	12
E-4	7	195 22	198 16	10.5 11

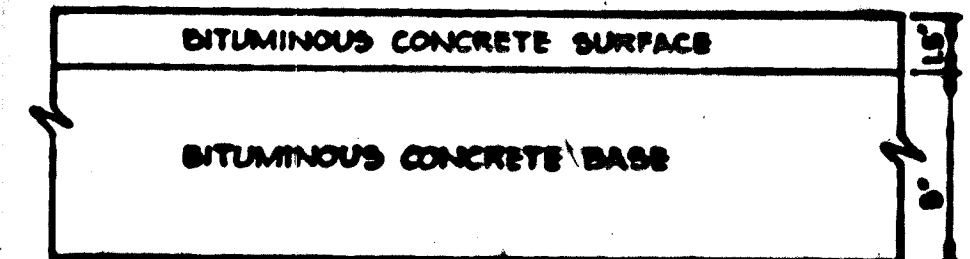
OUTLET PROTECTION DETAIL
NO SCALE



P-7 PAVING
(SHOULDER AREA
BROWN BRIDGE ROAD)

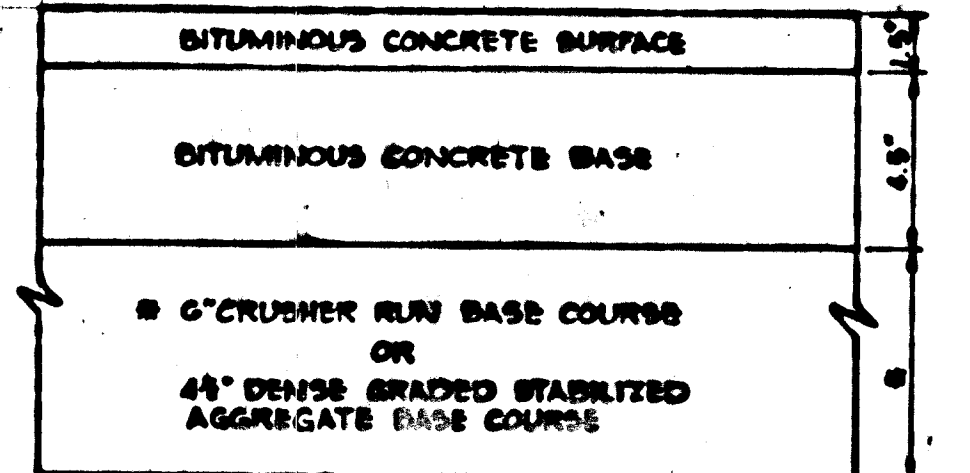


(ALTERNATE)

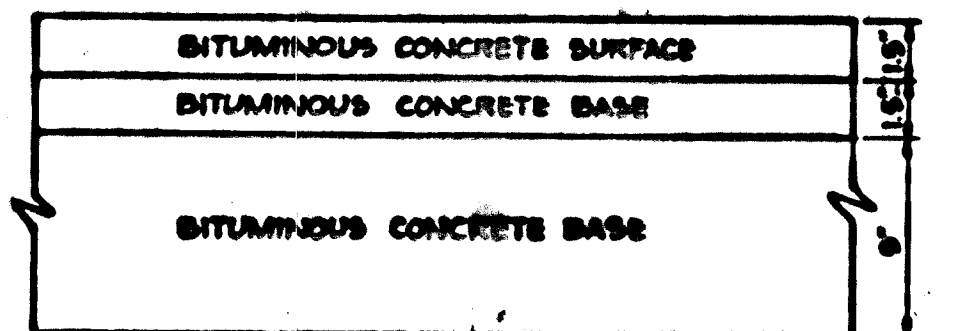


HOWARD COUNTY DESIGN MANUAL VOLUME IV
STANDARD SPECIFICATIONS AND DETAILS FOR
CONSTRUCTION (DRAWING R-2.01)

6 1/2\"/>



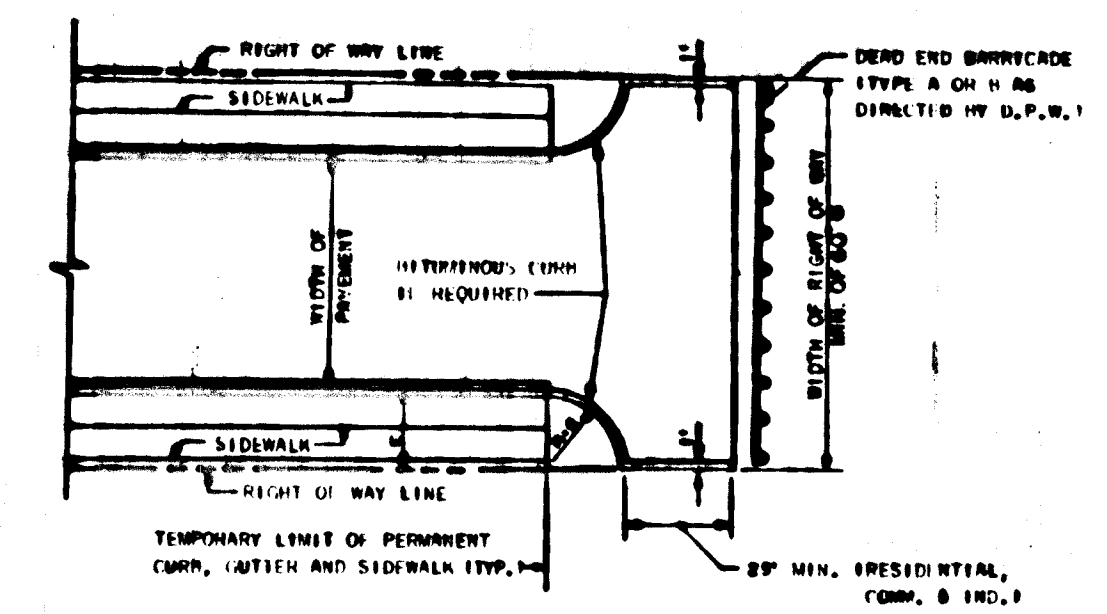
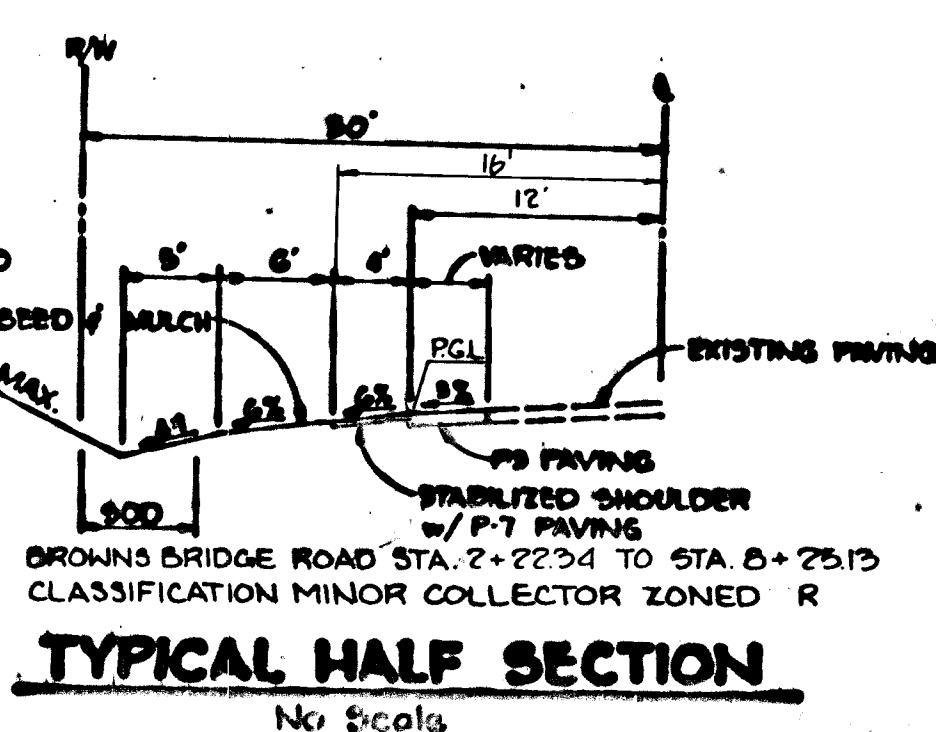
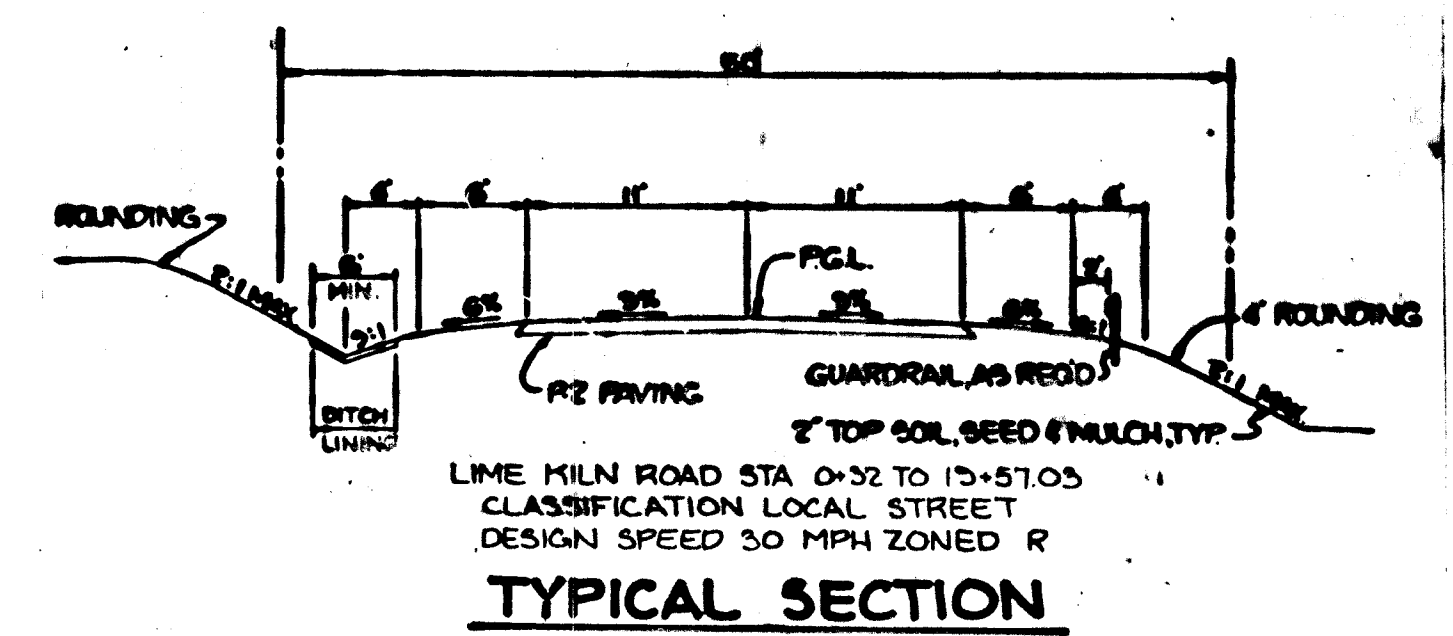
(ALTERNATE)



HOWARD COUNTY DESIGN MANUAL VOLUME IV
STANDARD SPECIFICATIONS AND DETAILS FOR
CONSTRUCTION (DRAWING R-2.01)

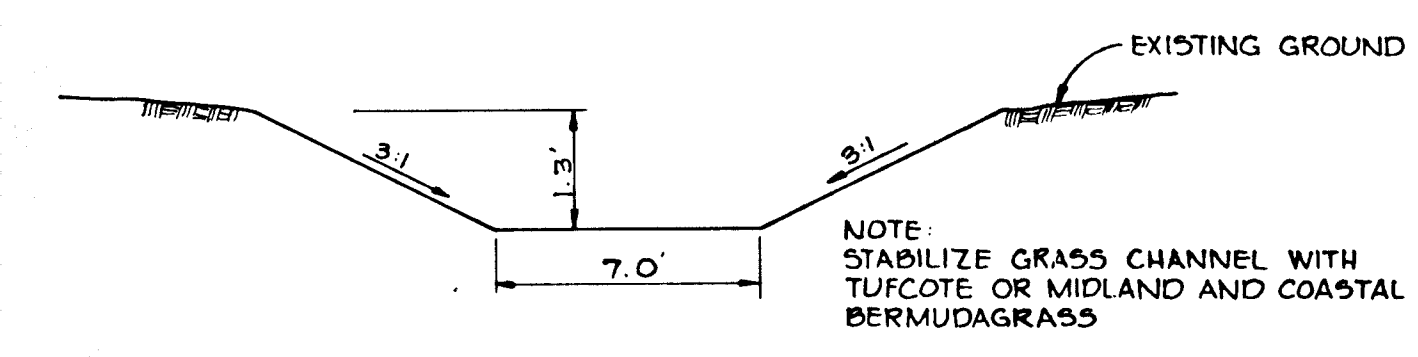
8\"/>

TYPICAL PAVING SECTIONS
NO SCALE



- NOTES:**
1. A TEE TURN-AROUND SHALL BE USED IN LIEU OF A CUL-DE-SAC ONLY IF THE STREET IS TO BE EXTENDED IN THE FUTURE.
 2. BITUMINOUS CURB SHALL EXTEND AROUND THE TEE TURN-AROUND IF AND AS REQUIRED TO CONTROL CURB DRAINAGE FROM THE ROADWAY SECTION.
 3. REFER TO STANDARD B-5.08 FOR TYPICAL ROADWAY PROFILE OF TEMPORARY LIMIT OF PAVING.
 4. FOR LOCAL ROADS, PROVIDE 5' REVERTING EASEMENT EACH END OF THE TEE.

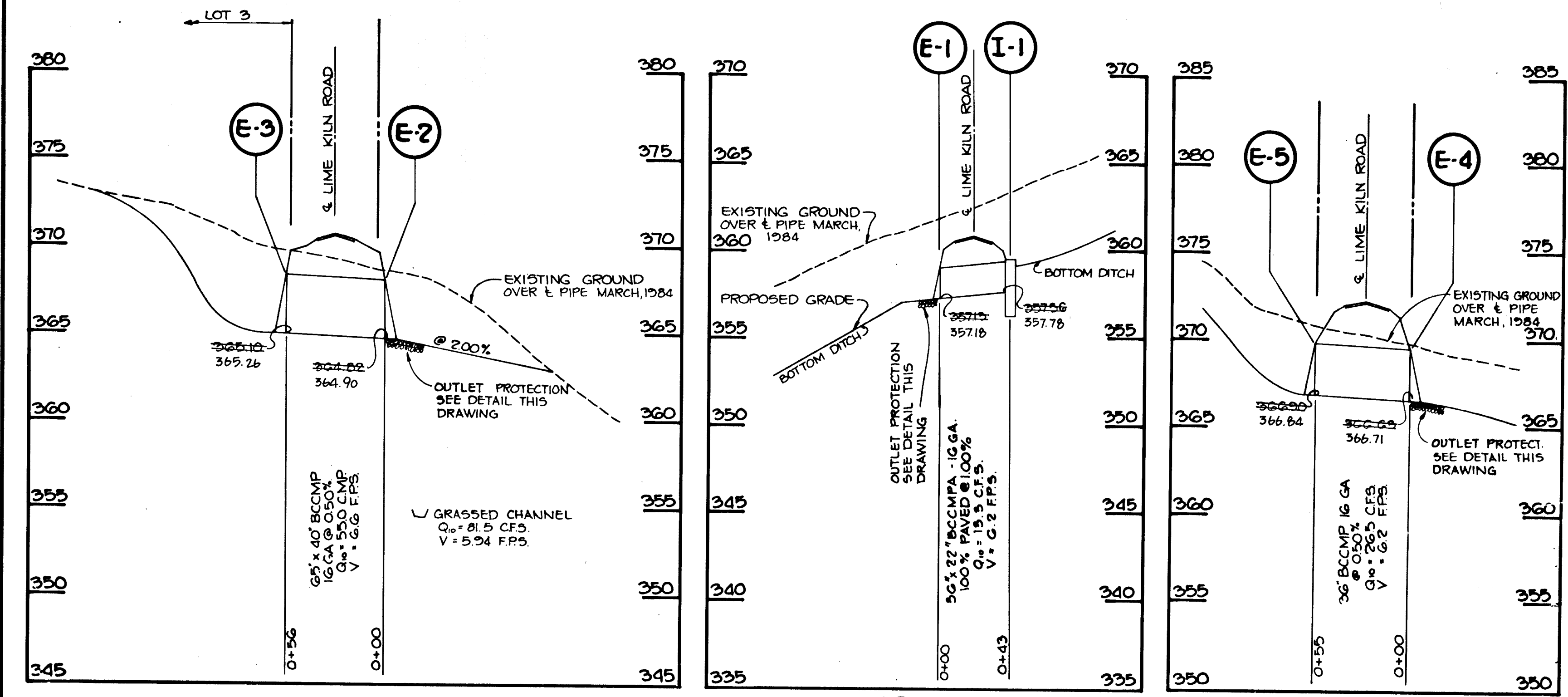
TEMPORARY TEE TURN AROUND
NO SCALE



GRASSED CHANNEL
NO SCALE

AS-BUILT 6-7-85

NOTE: ALL STORM DRAINS SHALL HAVE CLASS 'C' BEDDING



PROFILES
H=1"=50'
SCALE: V=1"=5'

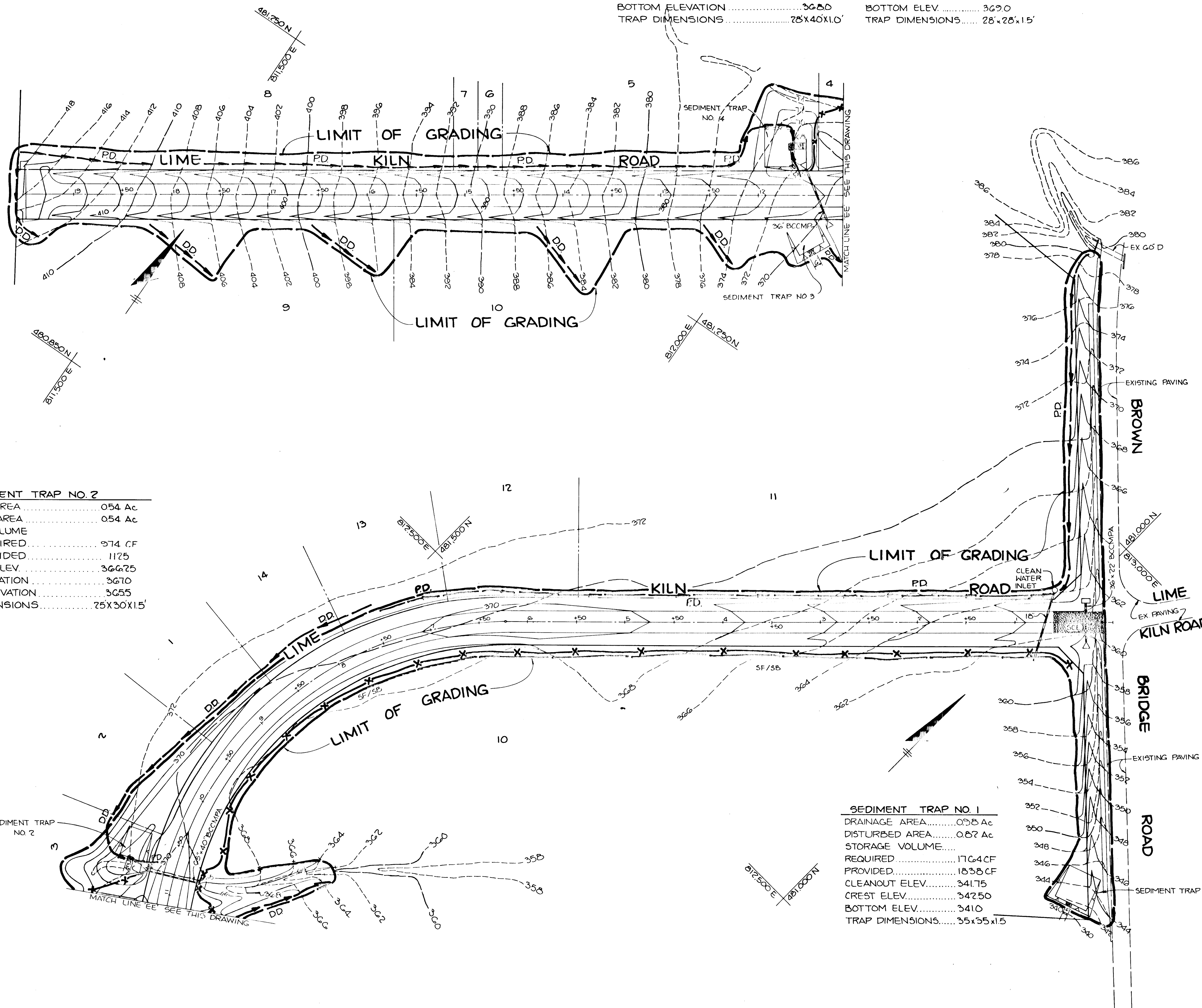
3	1-7-85	REVISED SHOULDER PAVING FROM P-7 TO P-2
NO	DATE	REVISION
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
<i>Michael S. P...</i>		7-23-84
CHIEF, BUREAU OF ENGINEERING		DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING		
<i>John M. Schuman</i>		7-19-84
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION		DATE
2	11-9-84	REVISED INLET I-1
1	10-24-84	CHANGED SUBDIVISION NAME
NO	DATE	REVISION
TRACY, SCHULTE & ASSOCIATES INC. planning • architecture • engineering 8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105		
OWNER	PROJECT	SECTION I, AREA 1 LOTS 1 THRU 14
GRACE AE EISENHARDT c/o JAMES DOLAN DAVIS, POLK & WARDWELL 9 WEST 57TH STREET NEW YORK, NEW YORK 10019	LOCATION HOWARD COUNTY, MARYLAND 5TH ELECTION DISTRICT TAX MAP 40 PARCEL 11C	
DEVELOPER	TITLE	
SECURITY DEVELOPMENT CORP 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21043	DETAILS AND STORM DRAIN PROFILES	
DES: RJW	DRN: JLT	DATE MAY 16, 1984 PROJECT NO 0282 RSD
SCALE: AS SHOWN		DRAWING 6 OF 8

SEDIMENT TRAP NO. 4	
DRAINAGE AREA	0.60 Ac
DISTURBED AREA	0.60 Ac
STORAGE VOLUME	
REQUIRED	1084 CF
PROVIDED	1120 CF
CLEANOUT ELEV.	3685
CREST ELEVATION	3690
BOTTOM ELEVATION	3680
TRAP DIMENSIONS	28x40x1.0

SEDIMENT TRAP NO. 3	
DRAINAGE AREA	0.60 Ac
DISTURBED AREA	0.60 Ac
STORAGE VOLUME	
REQUIRED	1084 CF
PROVIDED	1176 CF
CLEANOUT ELEV.	3695
CREST ELEV.	3705
BOTTOM ELEV.	3690
TRAP DIMENSIONS	28x28x1.5

SEQUENCE OF CONSTRUCTION

1. OBTAIN A GRADING PERMIT.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCES (SCE).
3. CLEAR AND GRUB AREAS FOR SEDIMENT CONTROL DEVICE INSTALLATION.
4. INSTALL ALL SEDIMENT CONTROL DEVICES AND CLEAN WATER INLET AND STABILIZE IN ACCORDANCE WITH "TEMPORARY SEEDING NOTES."
5. COMPLETE CLEARING AND GRUBBING OPERATIONS.
6. GRADE SITE.
7. INSTALL STORM DRAINS AND ROADWAYS.
8. STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH "PERMANENT SEEDING NOTES."
9. UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE DISTURBED AREAS IN ACCORDANCE WITH "PERMANENT SEEDING NOTES".



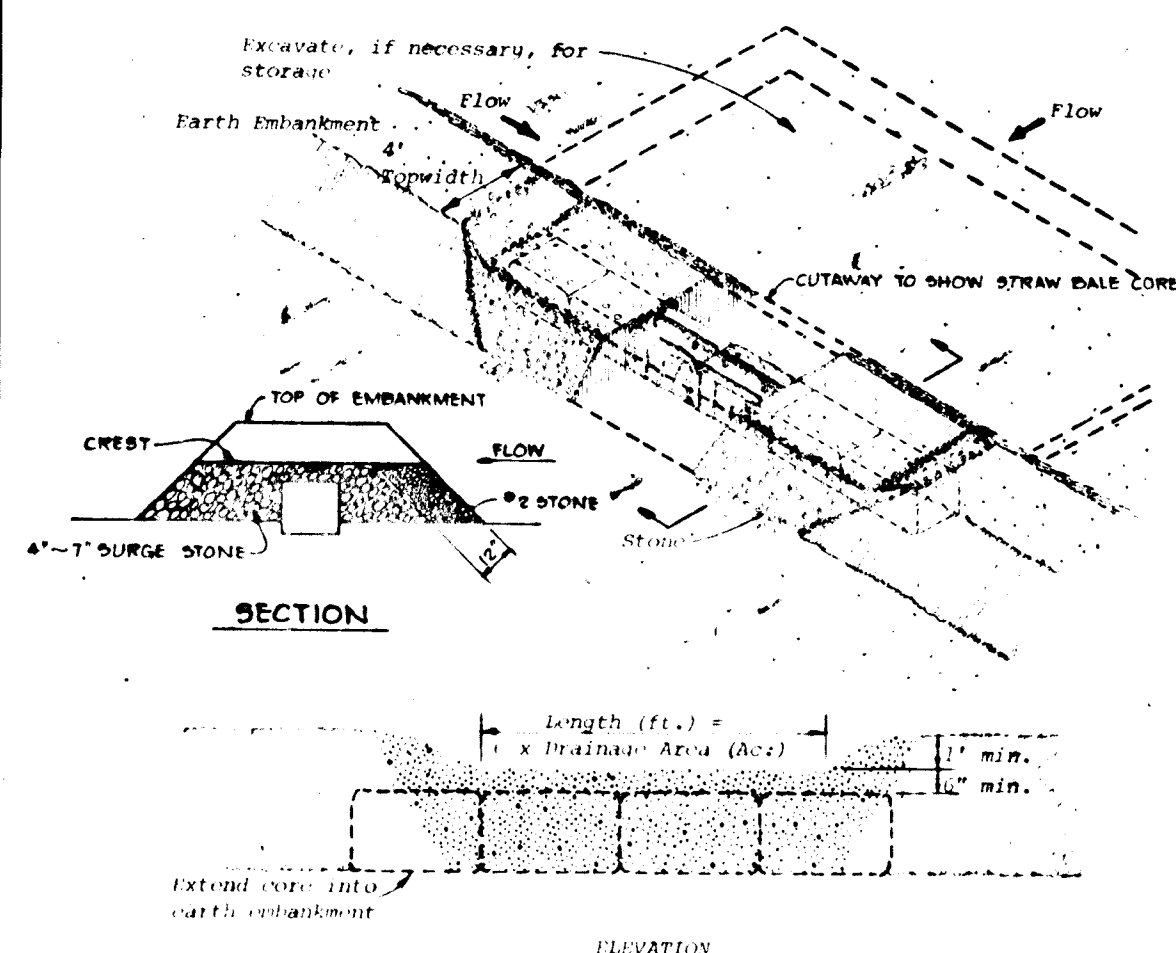
SEDIMENT TRAP NO. 2	
DRAINAGE AREA	0.54 Ac
DISTURBED AREA	0.54 Ac
STORAGE VOLUME	
REQUIRED	974 CF
PROVIDED	1125
CLEANOUT ELEV.	36625
CREST ELEVATION	3670
BOTTOM ELEVATION	3655
TRAP DIMENSIONS	25x30x1.5

SEDIMENT TRAP NO. 1	
DRAINAGE AREA	0.87 Ac
DISTURBED AREA	0.87 Ac
STORAGE VOLUME	
REQUIRED	1764 CF
PROVIDED	1838 CF
CLEANOUT ELEV.	34175
CREST ELEV.	34250
BOTTOM ELEV.	3410
TRAP DIMENSIONS	35x55x1.5

AS-BUILT 8-7-85

BY THE DEVELOPER:	
"I, I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND 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."	
<i>James R. Moxley Jr.</i> DEVELOPER: JAMES R. MOXLEY, JR.	5-16-84 DATE
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."	
<i>James K. Tracy</i> JAMES K. TRACY, P.E. 9566	5-16-84 DATE
REVIEWED FOR <u>Howard</u> NAME	S.C.D.
AND MEETS TECHNICAL REQUIREMENTS	
<i>M.H. Sall</i> U.S. SOIL CONSERVATION SERVICE	7-19-84 DATE
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT	
<i>Stephen L. Huber</i> HOWARD S.C.D.	7-19-84 DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<i>John W. Muehman</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	7-19-84 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>W. S. ...</i> CHIEF, BUREAU OF ENGINEERING	7-23-84 DATE
10-24-84	CHANGED SUBDIVISION NAME
NO	DATE
	REVISION
TRACY, SCHULTE & ASSOCIATES INC. planning • architecture • engineering 8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105	
OWNER GRACE A.E. EISENHARDT % JAMES DOLAN DAVIS, POLK & WARDWELL 9 WEST 57TH STREET NEW YORK, NEW YORK 10019	
PROJECT: LIME KILN VALLEY SECTION 1, AREA 1 LOTS 1 THRU 14	
LOCATION: HOWARD COUNTY, MARYLAND 5TH ELECTION DISTRICT TAX MAP 40 PARCEL 116	
DEVELOPER SECURITY DEVELOPMENT CORP 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21043	
TITLE GRADING AND SEDIMENT CONTROL PLAN	
DES. RJW	DRN. KAM.
DATE: MAY 16, 1984	PROJECT NO: 0282 R5D
SCALE: 1"=50'	DRAWING: 7 OF 8

#1066



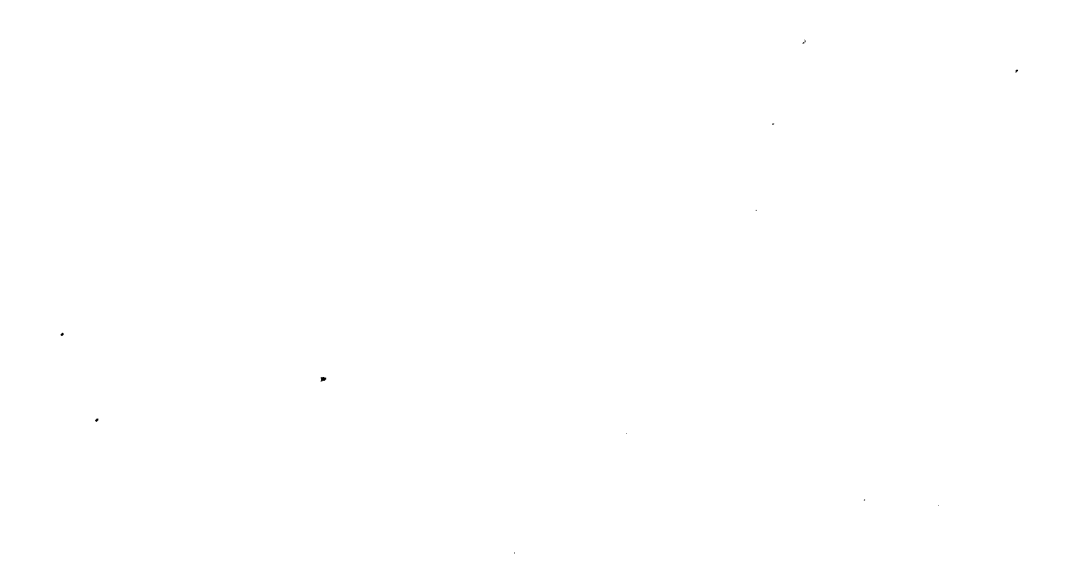
NOTE - Drawings show straw bales used for core. Bales are anchored as per Standard and Specifications for Straw Bale Dike. Other materials (e.g., timber or concrete block) may also be used for core. Firstly anchor all core material to ground.

Construction Specifications

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- All cut and fill slopes shall be 2:1 or flatter.
- The crushed stone used in the outlet shall meet AASHTO designation M43, Size No. 2 or 24 or its equivalent such as MSHA No. 2. Gravel, meeting the above gradation, may be used if crushed stone is not available. Crusher run is not acceptable.

* Drainage area less than 5 acres.

STONE OUTLET SEDIMENT TRAP
NO SCALE



Construction Specifications

- All dikes shall be machine compacted.
- All perimeter dikes shall have positive drainage to an outlet.
- A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
- B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
- Stabilization, when required, shall be done in accordance with Standard and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channel flow area.
- Periodic inspection and required maintenance shall be provided.

Standard Symbol **PD**

* Drainage area less than 5 acres

PERIMETER/DIVERSION DIKE DETAIL
NO SCALE

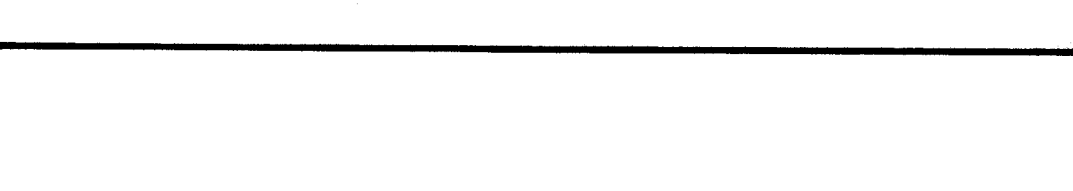


Construction Specifications

- Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
- Length - As effective, but not less than 50 feet.
- Thickness - Not less than eight (8) inches.
- Width - Not less than full width of all points of ingress or egress.
- Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards, or other approved methods.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.

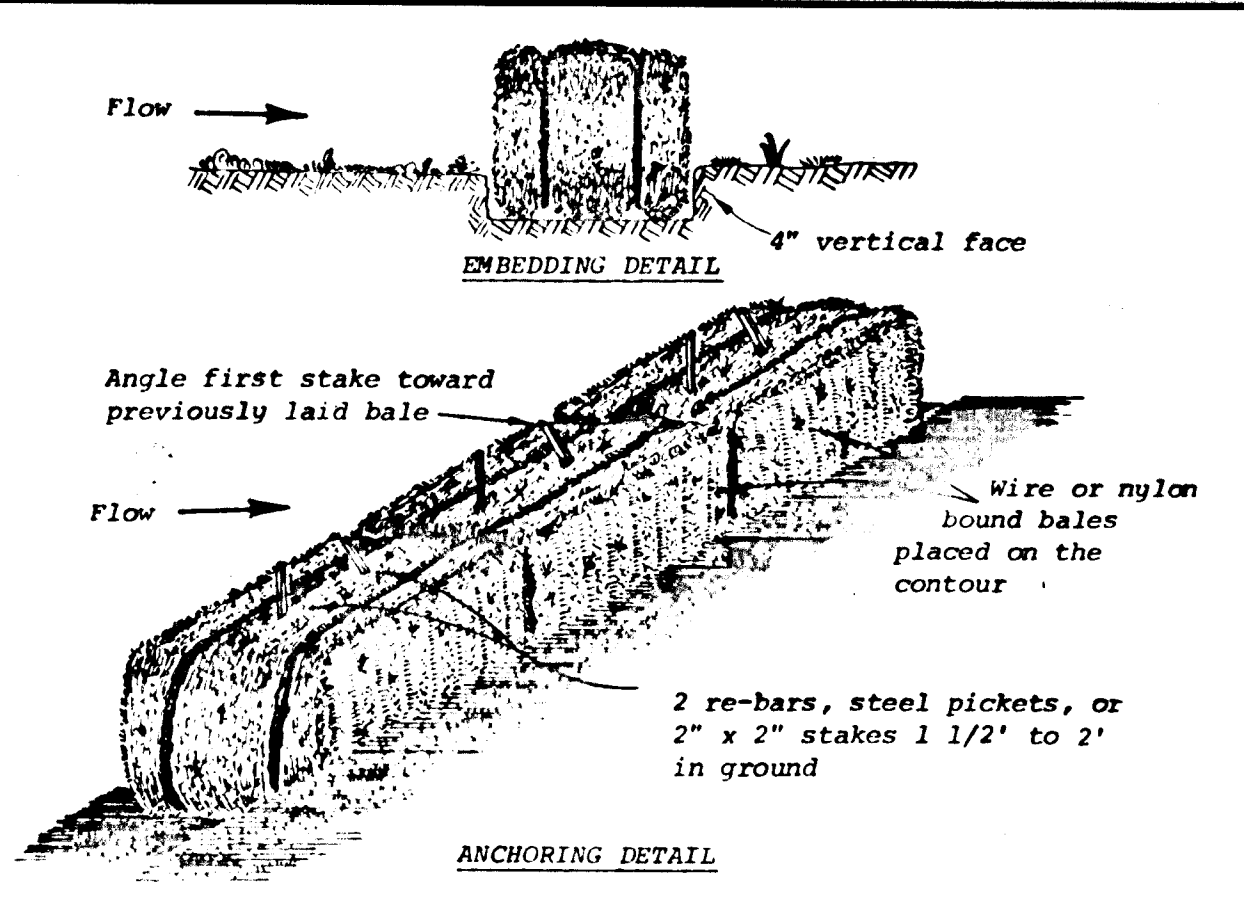
Standard Symbol **BC**

STABILIZED CONST. ENTRANCE DETAIL
NO SCALE



NOTES:

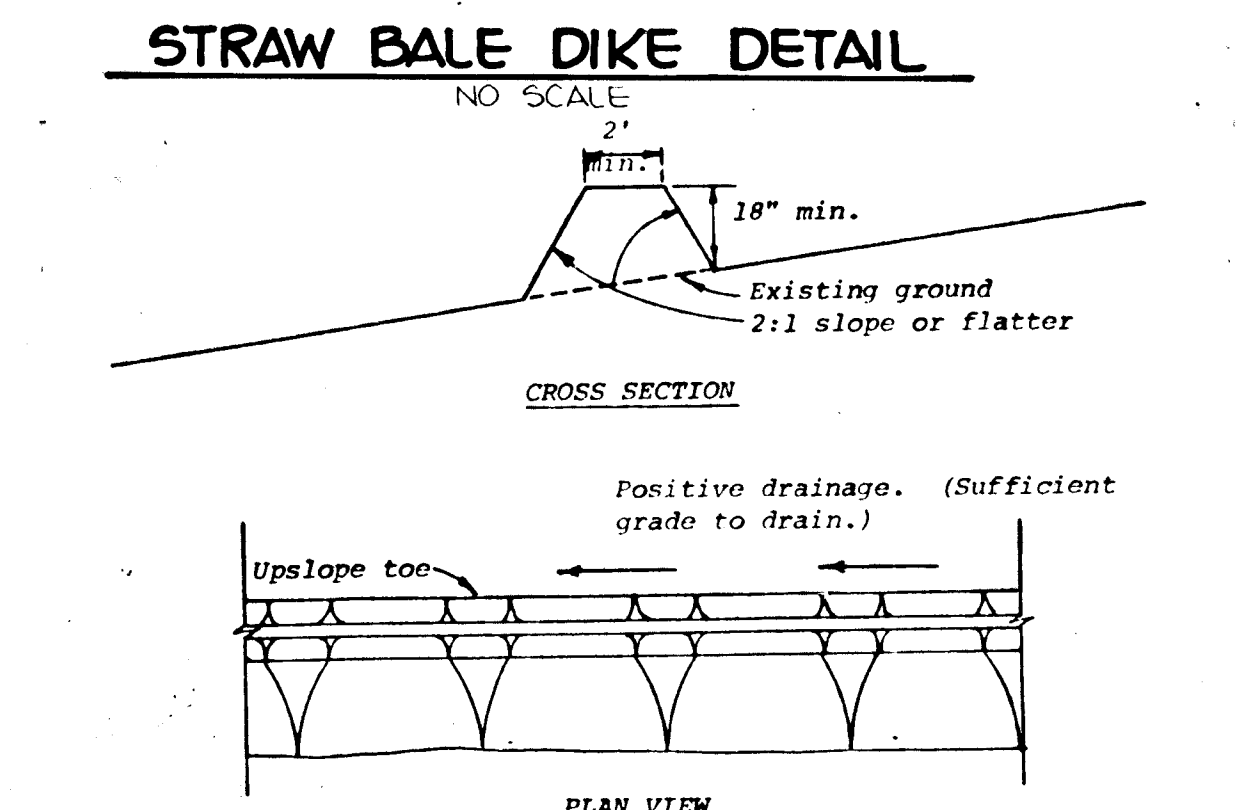
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS BY USE OF WIRE TIES
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE BY USE OF WIRE TIES SPACED EVERY 24" 24"
- SILT FENCE TO BE PLACED IN LIEU OF STRAW BALES AND/OR DIVERSION DIKES AT THE OPTION OF THE DEVELOPER



Construction Specifications

- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of 4".
- Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
- Inspection shall be frequent and repair or replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE DETAIL
NO SCALE



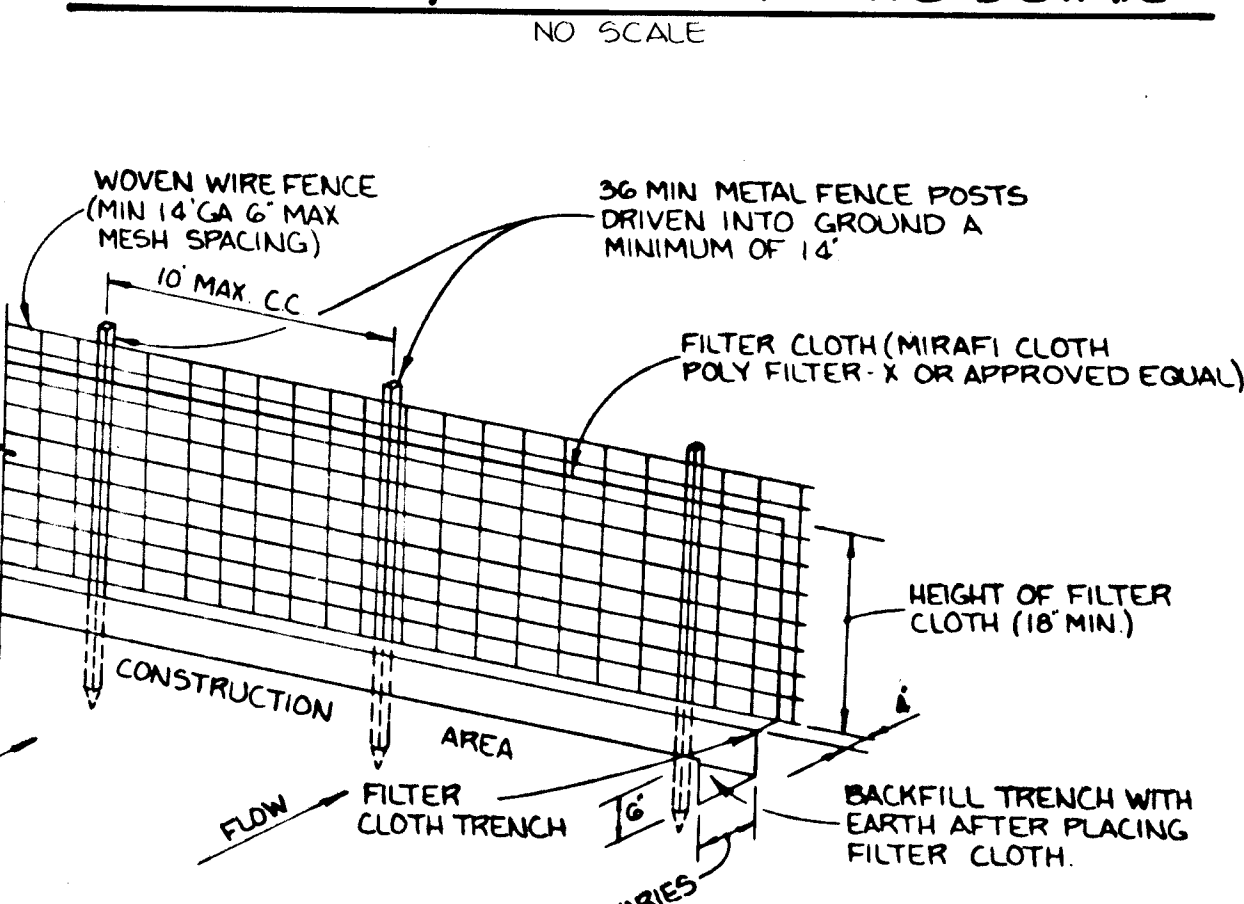
Construction Specifications

- All dikes shall be machine compacted.
- All perimeter dikes shall have positive drainage to an outlet.
- A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
- B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
- Stabilization, when required, shall be done in accordance with Standard and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channel flow area.
- Periodic inspection and required maintenance shall be provided.

Standard Symbol **PD**

* Drainage area less than 5 acres

PERIMETER/DIVERSION DIKE DETAIL
NO SCALE

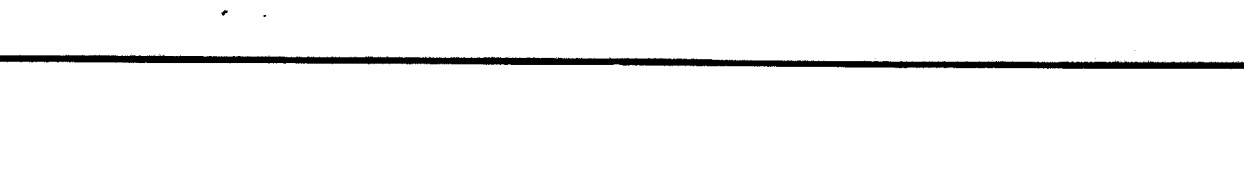


Construction Specifications

- Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
- Length - As effective, but not less than 50 feet.
- Thickness - Not less than eight (8) inches.
- Width - Not less than full width of all points of ingress or egress.
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Standard Symbol **BC**

STABILIZED CONST. ENTRANCE DETAIL
NO SCALE



SEDIMENT CONTROL CONSTRUCTION NOTES

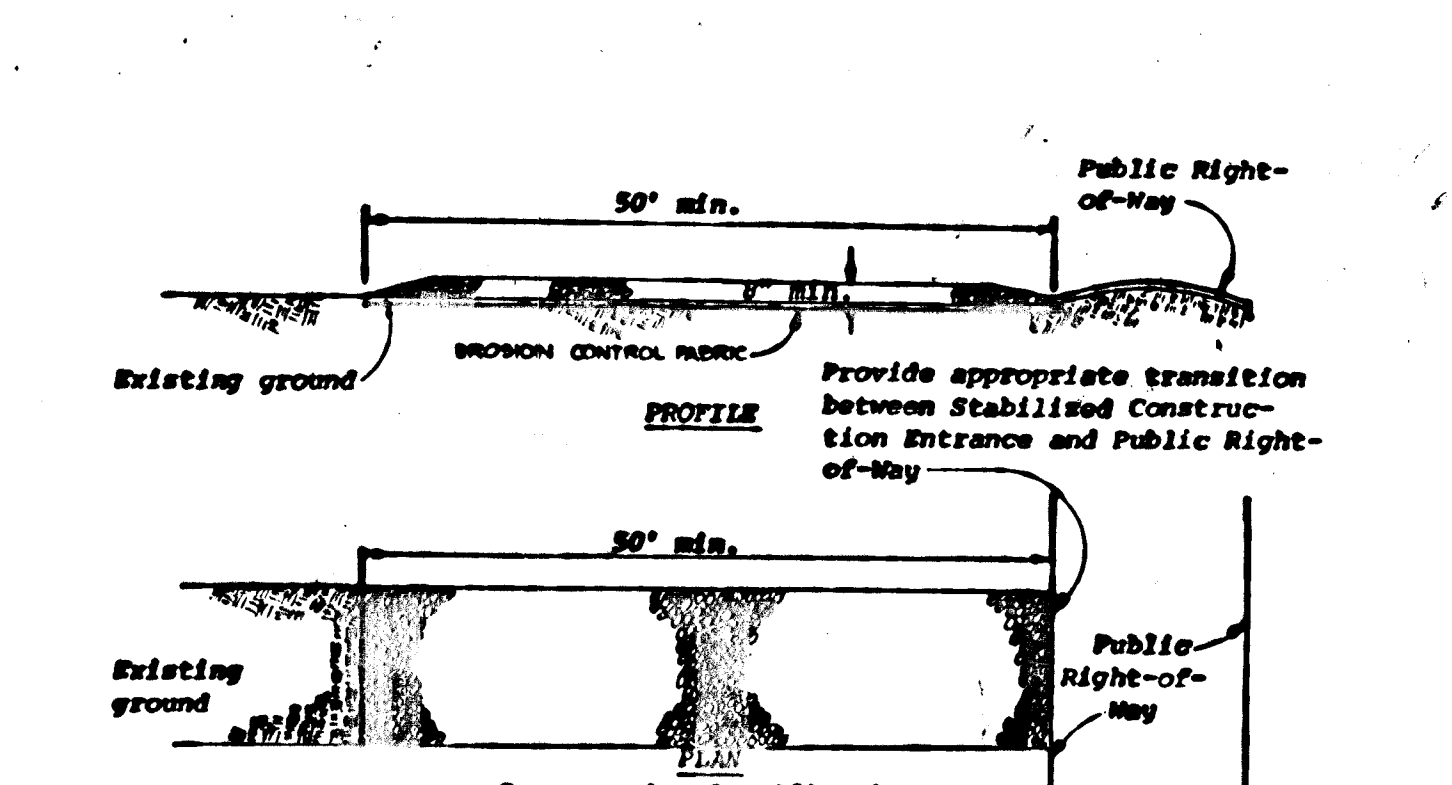
- GENERAL NOTES**
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (922-2070).
 - ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
 - SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
 - ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
 - SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
 - FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY THE HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
 - SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.

TEMPORARY SEEDING

- AREA TO BE SEEDING SHALL BE RECENTLY LOOSENEED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEED BY DISCING, RACKING OR OTHER ACCEPTABLE MEANS.
- APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.
 - WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
 - WORK BOTH SOIL AND SEED WITH CYCLONE SEEDER, DRILL CULTIPAKER SEEDER OR HYDROSEEDER (SLURRY WILL INCLUDE SEED AND FERTILIZER) AT THE RATE OF 40 LBS. PER ACRE OF ITALIAN OR PERENNIAL RYEGRASS.
 - MULCH WITH UNWEATHERED SHALL GRASS STRAW AT THE RATE OF 1 1/2 TO 2 TONS, PER ACRE AND ANCHOR WITH CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.

PERMANENT SEEDING

- FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:
- APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE (ONE TON PER ACRE IF APPLICATION OF TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).
 - APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAWNS OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVEGGED WITH A YORK RAKE, AT THE TIME OF SEEDING APPLY 400 POUNDS OF 38-0-0 UREAFORM FERTILIZER AND 500 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
 - SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS - 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; RED FESCUE, PENNLAWN OR JAMESTOWN @ 20 LBS. PER ACRE.
 - MULCH WITH UNWEATHERED SHALL GRASS STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.
 - SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.

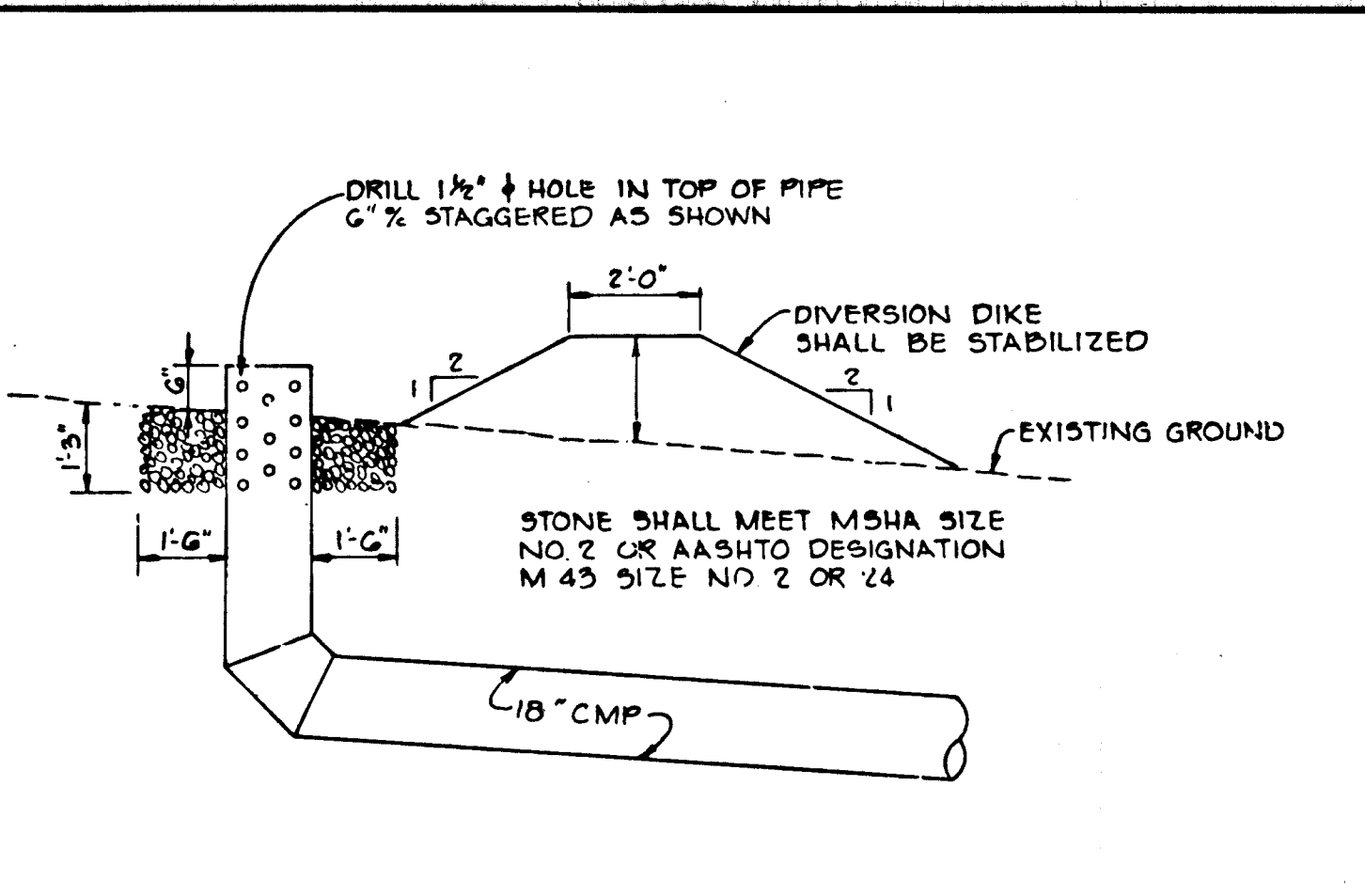
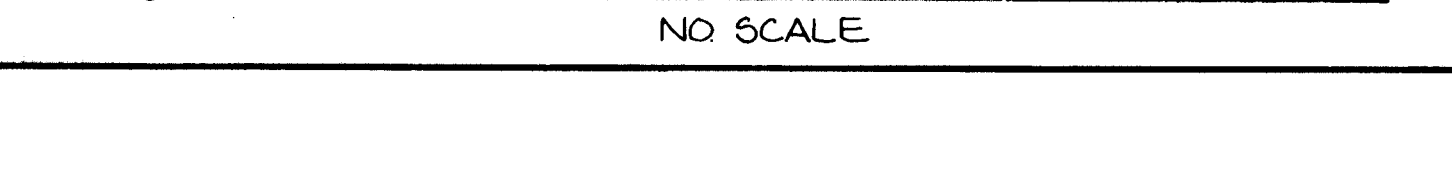


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STABILIZED CONST. ENTRANCE DETAIL
NO SCALE



CLEAN WATER INLET AND DIVERSION DIKE
NO SCALE

AS-BUILT 8-7-89

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND 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."

James R. Moxley Jr. 5-16-84 DATE
DEVELOPER: JAMES R. MOXLEY JR.

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."

James K. Tracy 5-16-84 DATE
JAMES K. TRACY, P.E. 9566
REVIEWED FOR: HOWARD S.C.D.
AND MEETS TECHNICAL REQUIREMENTS
M. K. Saff 7-19-84 DATE
U.S. SOIL CONSERVATION SERVICE

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

Stephen L. Haden 7-19-84 DATE
HOWARD S.C.D.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

W. J. ... 7-23-84 DATE
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John ... 7-19-84 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

NO	DATE	CHANGED SUBDIVISION NAME	REVISION
1	10-24-84	CHANGED SUBDIVISION NAME	

TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering

8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105

OWNER GRACE A.E. EISENHARDT % JAMES DOLAN DAVIS, POLK & WARDWELL 5 WEST 57TH STREET NEW YORK, NEW YORK 10019	PROJECT LIME KILN VALLEY SECTION 1, AREA 1 LOTS 1 THRU 14
DEVELOPER SECURITY DEVELOPMENT CORP. 8450 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21043	LOCATION HOWARD COUNTY, MARYLAND 5TH ELECTION DISTRICT TAX MAP 40 PARCEL 11G
TITLE SEDIMENT CONTROL NOTES AND DETAILS	DATE MAY 16, 1984
DES: JKT. DRN: K.A.M.	PROJECT NO: 0282 RSD SCALE: AS SHOWN DRAWING: 8 OF 8 JULY 17, 1984

AF 1066