

GENERAL NOTES

- EXISTING CONDITIONS ARE BASED ON SURVEY DATED JUNE 1986, AND PREPARED BY ASSOCIATED ENGINEERS, INC. BENCHMARK USED: 1ST FLOOR AT MAIN ENTRANCE TO SCHOOL. ELEV. 482.00.
- ALL DISTURBED UNPAVED AREA SHALL BE TOPSOILED, FERTILIZED, LIMED AND SEEDED. TOPSOIL DEPTH SHALL BE MINIMUM 4 INCHES COMPACTED.
- ALL SEDIMENT AND EROSION CONTROL FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPED AREAS," 1983 EDITION.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS AND THE APPLICABLE PROVISIONS OF THE MARYLAND STATE HIGHWAYS ADMINISTRATION STANDARDS AND SPECIFICATIONS FOR MATERIALS, HIGHWAYS, BRIDGES AND INCIDENTAL STRUCTURES.
- A PREFIX OF 4 MAY HAVE TO BE ADDED TO ALL GRADES.
- ALL UNSUITABLE AND EXCESS FILL MATERIAL SHALL BE DISPOSED OF OFF SITE. LOCATION OF DISPOSAL AREA SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- CONTRACTOR SHALL PROVIDE ALL SUITABLE FILL MATERIAL. LOCATION OF BORROW SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- CONTACT "MISS UTILITY" AT LEAST 48 HOURS PRIOR TO COMMENCING EXCAVATIONS (TELEPHONE 1-800-257-7777).
- EXISTING UTILITIES ARE BASED ON AVAILABLE RECORDS AND WERE FIELD-CHECKED WHERE POSSIBLE. CONTRACTOR MUST DIG TEST PITS BY HAND AT UTILITY CROSSINGS AND CONNECTION POINTS TO VERIFY EXACT LOCATION AND INVERTS WELL IN ADVANCE OF CONSTRUCTION. IF CONNECTIONS ARE NOT AS SHOWN OR IF CONFLICT IS ANTICIPATED, ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH TRENCHING.
- CONTRACTOR SHALL CLEAN UP THE WORK AREA AT THE COMPLETION OF THE PROJECT. ALL AREAS DISTURBED DURING THE CONSTRUCTION ACTIVITY SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF START OF WORK AT TELEPHONE 792-2630.
- CONCRETE CURB SHALL BE STANDARD 7" COMBINATION CURB AND GUTTER, HOWARD COUNTY DPW STD. R-3.01. PITCH GUTTER AWAY FROM CURB TO CONFORM TO ADJACENT DRAINAGE PATTERN.
- PAVING FOR PARKING AND DRIVE AREAS SHALL CONSIST OF
 - 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE (BAND SN)
 - 2" BITUMINOUS CONCRETE BASE COURSE (BAND SN, BF OR BI)
 - 6" CRUSHED STONE BASE (M.S.H.A. DGA SPEC)
 - FIRM SUBGRADE COMPACTED TO A MINIMUM 95% OF THE AASHTO T-180 MAXIMUM DRY DENSITY.

CONSTRUCTION SEQUENCE

- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL INLET PROTECTION AT 1-1.
- STRIP TOPSOIL AND CONSTRUCT PERIMETER/DIKE SWALE.
- INSTALL STONE OUTLET SEDIMENT TRAP.
- CARRY OUT INITIAL TRENCH EXCAVATION FOR INFILTRATION TRENCH (REFER TO DIMENSIONS AND CONSTRUCTION SEQUENCE FOR TEMPORARY INFILTRATION TRENCH).
- INSTALL TEMPORARY 15" CMP TO DIVERT OUTFALL FROM EX. 1-1 TO TEMPORARY INFILTRATION TRENCH (BRICK-SHUT OUTFALL TO EXISTING OUTFALL AND REMOVE 15" OUTFALL PIPE).
- RELOCATE EXISTING LIGHTS AND ADJUST LOCATION OF EXISTING UTILITIES.
- REMOVE OR RELOCATE EXISTING TREES.
- ROUGH GRADE.
- CONSTRUCT STORM DRAIN STRUCTURES AND CONNECTING PIPES FROM 8-1 TO 1-4 AND 1-3. INSTALL OUTLET PROTECTION AT 8-1.
- INSTALL INLET PROTECTION AT CURB INLET 1-4 AND 1-3.
- COMPLETE EXCAVATION FOR PERMANENT INFILTRATION TRENCH AND BUILT INLET 1-6 AND 1-7 AND CONNECTING CHARGING PIPE. (FOR DIMENSIONS REFER TO PERMANENT INFILTRATION TRENCH TABLE.) CONSTRUCT CONNECTING PIPE FROM 1-6 TO 1-1 AND DISCONNECT TEMPORARY CMP.
- COMPLETE CONSTRUCTION OF INFILTRATION TRENCH GRADE AREA ABOVE TRENCH AS SHOWN ON PLAN (BEM, BIGHTPOINT BETWEEN INLETS AND OVERFLOW SPILLWAYS).
- INSTALL BILT FENCE AT TOP OF SLOPE ABOVE INFILTRATION TRENCH AND TARD INLET PROTECTION AT 1-6 AND 1-7.
- FINE GRADE FOR INSTALLATION OF BASE COURSE AND CURB AND GUTTER.
- CONSTRUCT CURB AND GUTTER AND BASE COURSE.
- FINE GRADE ALL DISTURBED UNPAVED AREAS TO BE STABILIZED.
- SPREAD TOPSOIL AND STABILIZE.
- REMOVE SEDIMENT TRAP.
- STABILIZE REMAINING DISTURBED AREAS AND REMOVE REMAINING SEDIMENT CONTROL FEATURES.
- CLEAN UP SITE AND BEGIN MAINTENANCE.

SEDIMENT CONTROL 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 (922-2437).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, "STORM DRAINAGE."
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52), AND AS SPECIFIED HEREIN.
 - A. TOPSOIL SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE SPECIFICATIONS FOR MATERIALS, HIGHWAYS, BRIDGES AND INCIDENTAL STRUCTURES OF THE MARYLAND STATE HIGHWAY ADMINISTRATION. TOPSOIL SHALL BE 4 INCHES THICK (COMPACTED).
 - B. LIME SHALL BE SPREAD AT A RATE OF ONE (1) TON PER ACRE.
 - C. FERTILIZER 5-10-10 OR EQUIVALENT SHALL BE APPLIED AT A RATE OF 1700 LBS. PER ACRE. BOTH LIME AND FERTILIZER SHALL BE UNIFORMLY APPLIED TO THE LOOSENED TOPSOIL AND SHALL BE RAKED SMOOTH PRIOR TO SEEDING.
 - D. SEED SHALL BE "KENTUCKY 31" TALL FESCUE APPLIED AT A RATE OF 2 LBS. PER 1,000 SQ. FT. STRAW MULCH SHALL BE UNIFORMLY APPLIED AT THE RATE OF 70 TO 90 LBS. PER 1,000 FT.
 - E. SOD SHALL BE A CLASS OF TURF GRASS SOD AND SHALL BE MARYLAND STATE CERTIFIED.
- 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.

SITE ANALYSIS:

TOTAL AREA OF SITE: 40.055 AC.
 AREA DISTURBED: 1.380 AC.
 AREA TO BE PAVED AND ADDED: THIS CONTRACT = 0.42 AC.
 AREA TO BE PAVED AND ADDED: FUTURE = 0.32 AC.
 TOTAL IMPERVIOUS AREA: 0.74 AC.
 AREA TO BE VEGETATIVELY STABILIZED: 0.64 AC.
 TOTAL CUT: 610 CU. YD. (EXCLUDING EXCAVATION FOR INFILTRATION TRENCH)
 TOTAL FILL: 2,151 CU. YD.
 OFF-SITE WASTE AREA LOCATION: TO BE SUBMITTED
 OFF-SITE BORROW AREA LOCATION: TO BE SUBMITTED
 CONTRACTOR WILL BE REQUIRED TO PROVIDE THE ABOVE INFORMATION PRIOR TO ISSUANCE OF THE PERMIT AND SUBMIT A SEDIMENT CONTROL PLAN ACCEPTABLE TO THE SOIL CONSERVATION DISTRICT.

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.

10. THE INFILTRATION TRENCH SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 1984 "STANDARDS AND SPECIFICATIONS FOR INFILTRATION PRACTICES" OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, WATER RESOURCES ADMINISTRATION, STORMWATER MANAGEMENT DIVISION.

LIST OF DRAWINGS

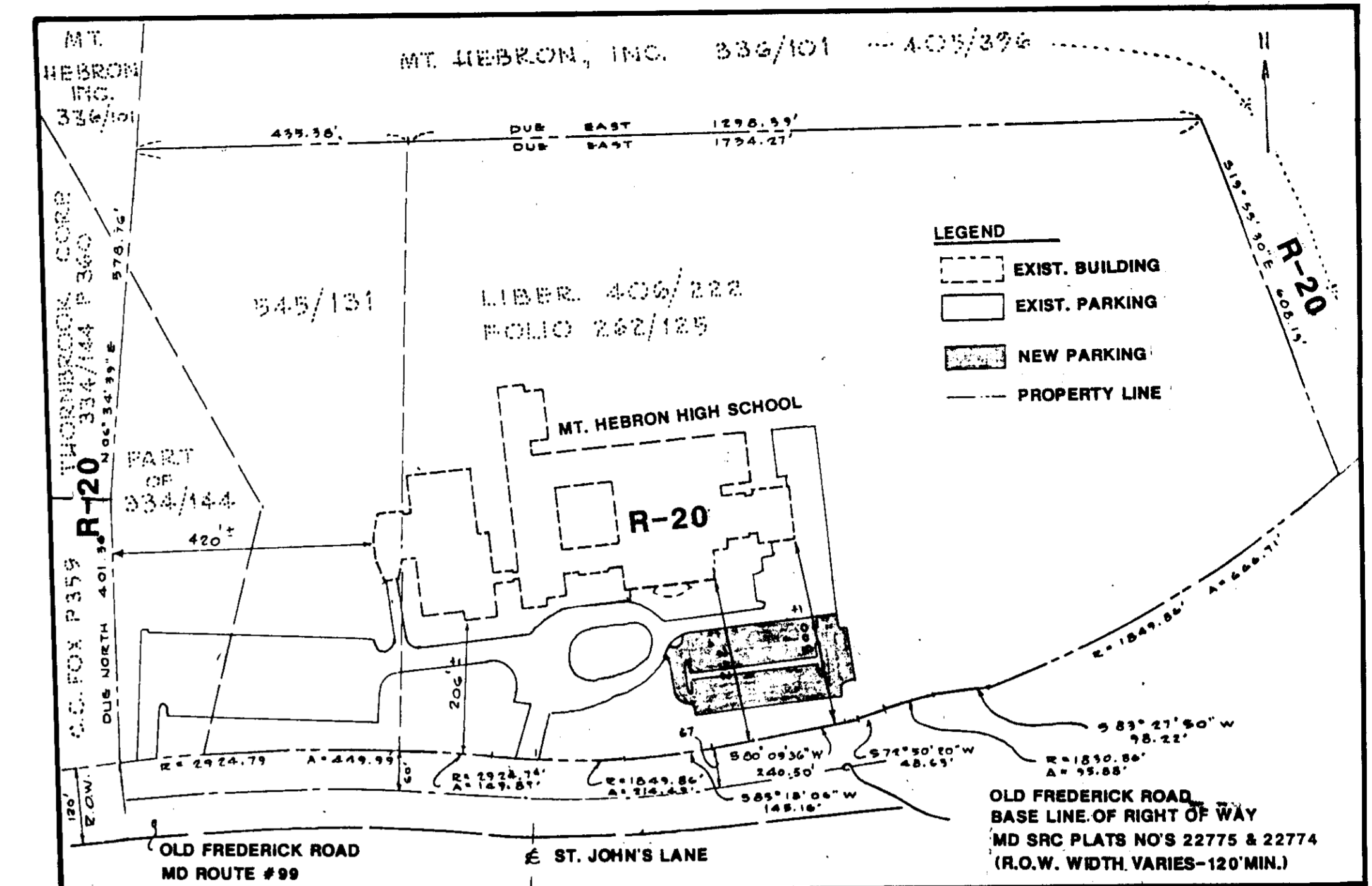
- 1 OF 5 SP-1 NOTES AND DRAINAGE DIVIDES
- 2 OF 5 SP-2 SITE PLAN
- 3 OF 5 SP-3 SEDIMENT CONTROL PLAN
- 4 OF 5 SP-4 PROFILES AND DETAILS
- 5 OF 5 SP-5 DETAILS

DIMENSIONS AND CONSTRUCTION SEQUENCE FOR TEMPORARY INFILTRATION TRENCH

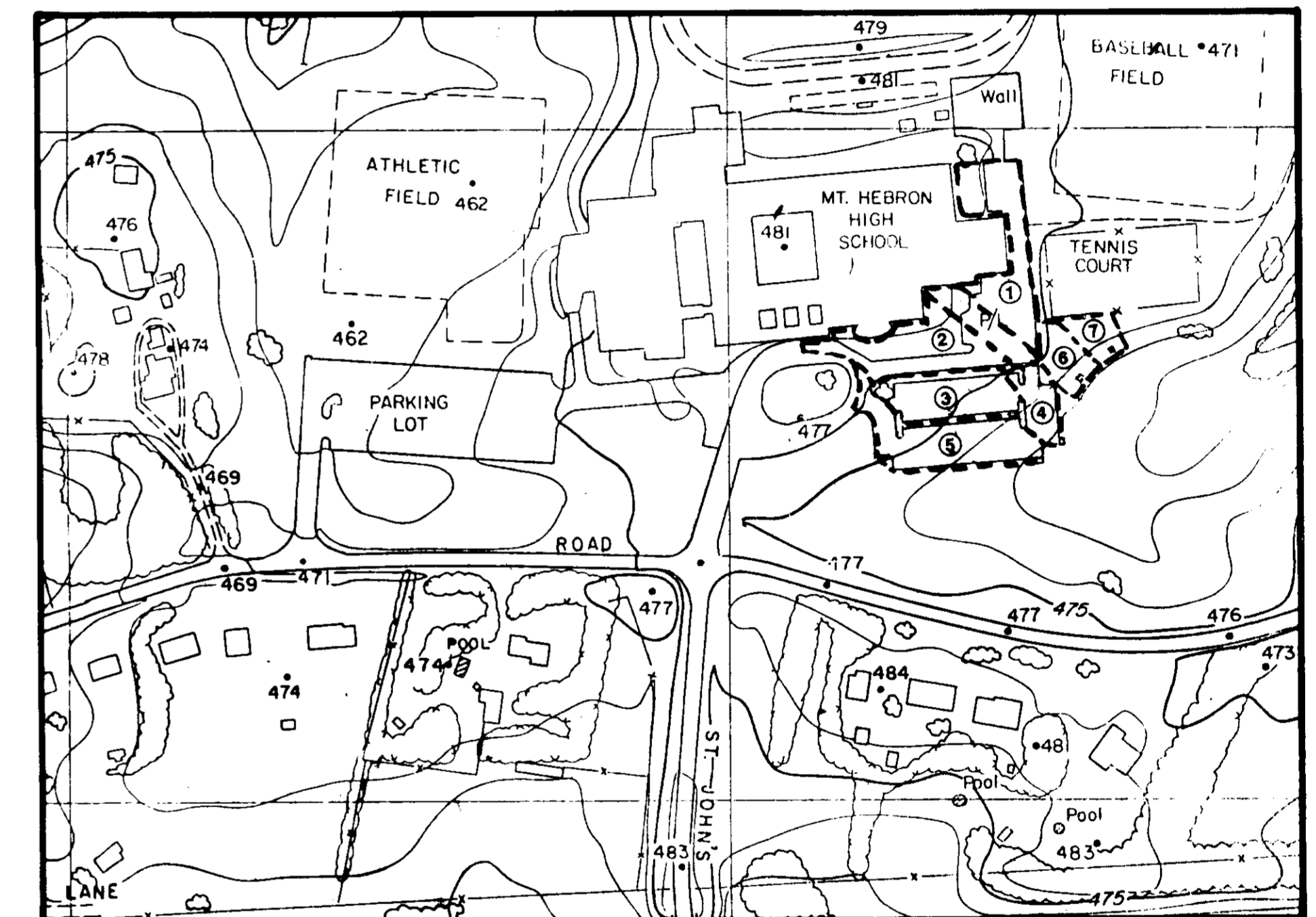
- CARRY OUT INITIAL TRENCH EXCAVATION PRIOR TO ROUGH GRADING PHASE TO ALLOW TRENCH TO ACT AS A TEMPORARY STORMWATER MANAGEMENT FEATURE AND CONNECT TEMPORARY 15" CMP TO TRENCH.
- THE DIMENSIONS AND ELEVATIONS OF TRENCH IN INITIAL FORM SHALL BE AS FOLLOWS:

TRENCH #	1
BOTTOM OF TRENCH & ELEVATION	58.70'
LENGTH	98 FT.
WIDTH	20 FT.

 EXCAVATE TEMPORARY TRENCH ON CENTER LINE OF PROPOSED LOCATION OF PERMANENT INFILTRATION TRENCH.
- AFTER COMPLETION OF CONSTRUCTION SEQUENCE NO. 11 (SEE GENERAL CONSTRUCTION SEQUENCE THIS SHEET), REMOVE ACCUMULATED SEDIMENT IN TRENCHES.
- EXCAVATE TRENCH TO FINAL DIMENSIONS AND ELEVATIONS (REFER TO PERMANENT TRENCH TABLE). LINE TRENCH WITH FILTER FABRIC AND FILL WITH STONE.
- INSTALL INLETS 1-6 AND 1-7 IN TRENCH AND CHARGING PIPE.
- COMPLETE INFILTRATION TRENCH CONSTRUCTION AND PROVIDE SOIL COVERS TO DESIGN GRADES.
- SPREAD TOPSOIL AND STABILIZE.



OVERALL PLAN
 SCALE: 1"=200'
 TOTAL AREA OF SITE = 40.06 AC
 NOTE: FOR VICINITY MAP REFER TO SP-2



DRAINAGE DIVIDES
 SCALE: 1"=200'

DRAINAGE AREAS					
AREA	TRIBUTARY TO STRUCTURE	TRIBUTARY AREA (AC)	GRASS (AC)	PAV'T. (AC)	COMP. RUNOFF COEFFICIENT
1	I-1	0.49	--	0.49	0.95
2	I-2	0.40	0.20	0.20	0.65
3	I-3	0.34	0.05	0.29	0.88
4	I-4	0.24	0.03	0.21	0.90
5	I-5	0.45	0.06	0.39	0.87
6	I-6	0.09	0.09	--	0.35
7	I-7	0.07	0.07	--	0.35

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
471	9440 Route 99
ELLICOTT CITY, MARYLAND	

SUBDIVISION NAME	MT HEBRON HIGH SCHOOL	SECT./AREA	471
PLAT # OR L/F BLOCK #	1910	ZONE	R-20
SEE LIST	1516	ELEC. DIST.	2
WATER CODE	HO3	SEWER CODE	1406900

PARKING ADDITION TO SDP-78-27

PROJECT NAME	ADDITIONAL PARKING FOR 103 CARS	JOB NO.	2854
MOUNT HEBRON HIGH SCHOOL		SHEET NO.	SP-1
ELECTION DISTRICT NO. 2		1 OF 5	
HOWARD COUNTY, MARYLAND	ASSOCIATED ENGINEERS, INC.	8555 SIXTEENTH STREET SILVER SPRING, MARYLAND 20910 TEL. 301-589-7311	
DRAWING TITLE	NOTES AND DRAINAGE DIVIDES	SCALE	AS SHOWN
		DATE	2/27/1987
		REVISED	3/30/1987

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

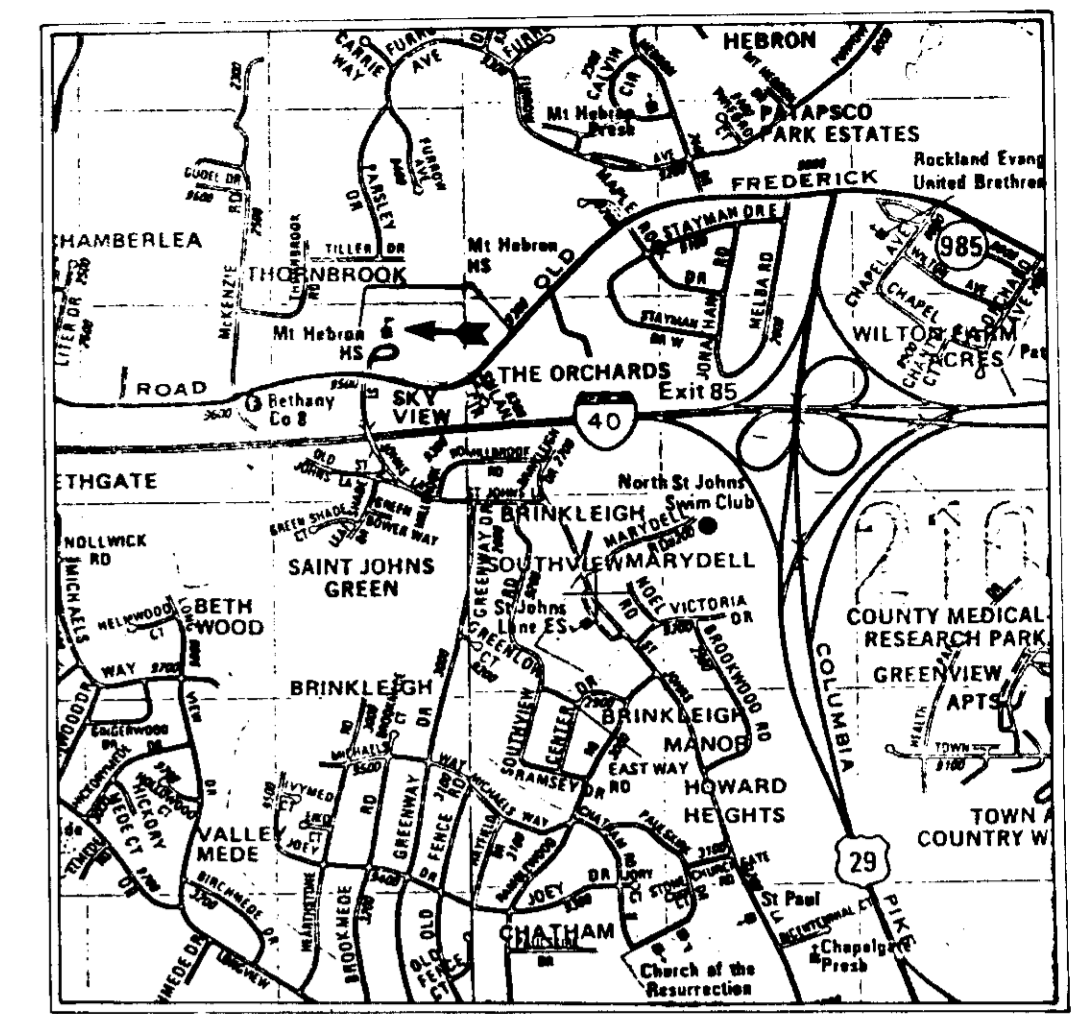
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION, HOWARD COUNTY, MARYLAND

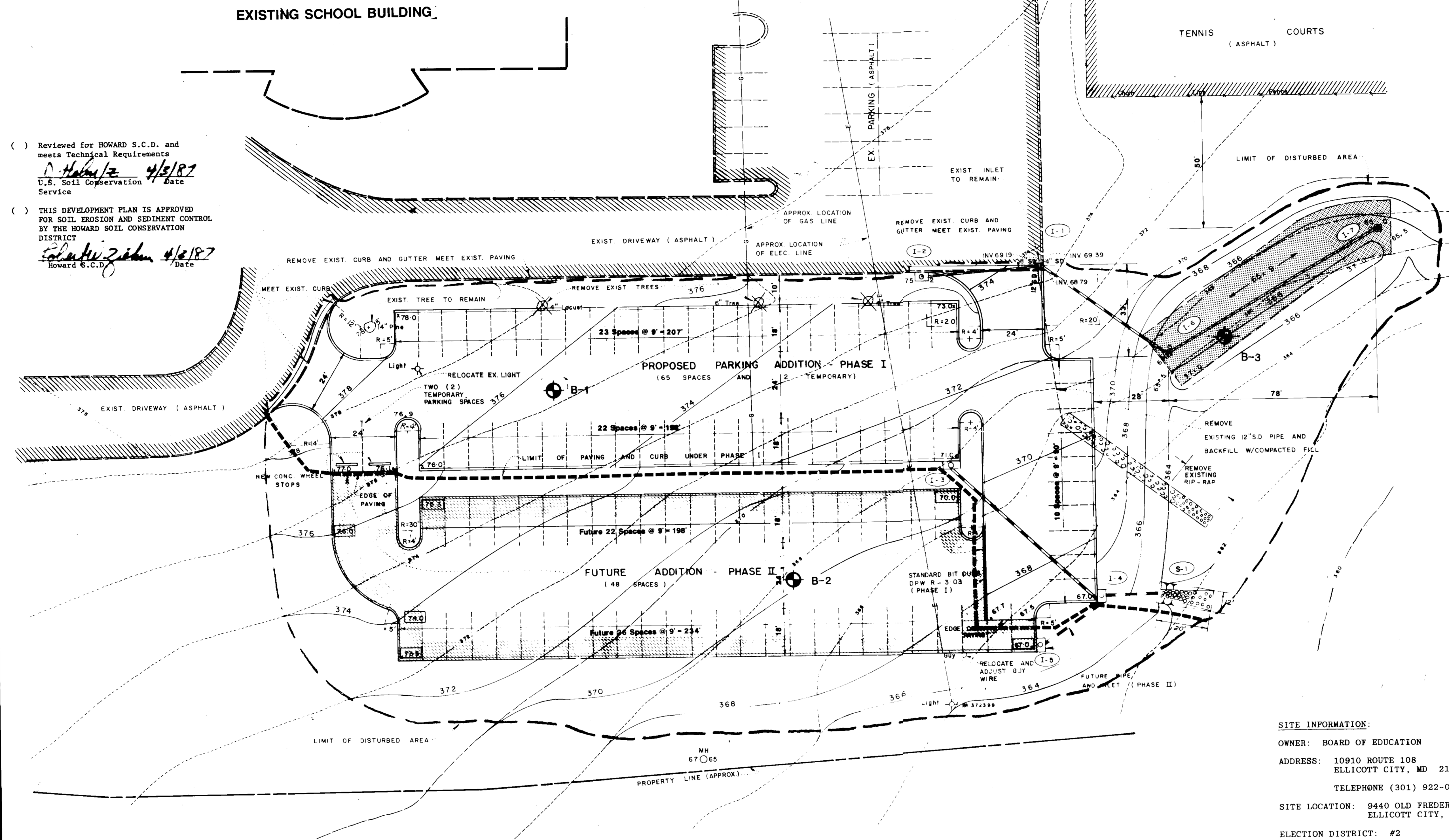
DATE: 4-2-87



SDP-87-167



VICINITY MAP
TOTAL AREA OF SITE = 40.06 AC
SCALE: 1" = 2000'



() Reviewed for HOWARD S.C.D. and meets Technical Requirements
D. Hahn 4/5/87
U.S. Soil Conservation Service
() THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Robert Z. Zick 4/6/87
Howard S.C.D. Date

LEGEND

EXISTING GRADE (ADD PREFIX OF 3)	69.9
DESIGN GRADE (ADD PREFIX OF 3)	69.93
FUTURE DESIGN GRADE (ADD PREFIX OF 3)	73.5
EXISTING CONTOUR	366
DESIGN CONTOUR	366
EXISTING PAVING TO REMAIN	
NEW BITUMINOUS CONCRETE PAVING	PHASE I PHASE II
EXISTING CURB	
NEW CONCRETE CURB & GUTTER	
NEW BITUMINOUS CURB	
NEW PAINTED PARKING BAYS	
EXISTING STORM DRAIN PIPE & STRUCTURE	
NEW STORM DRAIN PIPE & STRUCTURE	
NEW UNGROUTED RIP-RAP	
PERMANENT INFILTRATION TRENCH	
SOIL BORING TAKEN BY HERBST & ASSOCIATES	

SITE INFORMATION:
OWNER: BOARD OF EDUCATION
ADDRESS: 10910 ROUTE 108
ELLICOTT CITY, MD 21043
TELEPHONE (301) 922-0500
SITE LOCATION: 9440 OLD FREDERICK ROAD
ELLICOTT CITY, MARYLAND

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
471	9440 Route 99
ELLICOTT CITY, MARYLAND	

ELECTION DISTRICT: #2
TAX MAP: 17, PARCEL 471
AREA OF PROPERTY: 40.055
ZONING: R-20
PROPERTY RECORDED IN LIBER: 406, FOLIO: 222
LIBER: 545, FOLIO: 131
LIBER: 334, FOLIO: 144 (PART OF)

NOTE:
AT THE OPTION OF THE OWNER PHASE I AND PHASE II (103 SPACES PARKING ADDITION) MAY BE CONSTRUCTED IN ONE OPERATION OR PHASE I CAN BE CONSTRUCTED IN THE FUTURE. IF PHASE I ONLY IS SELECTED THE AREA FOR PHASE II SHALL BE GRADED TO CONTOURS SHOWN AND STABILIZED. PAVING, CURB AND GUTTER, INLET I-5 AND CONNECTING PIPE TO I-4 SHALL BE OMITTED AND TEMPORARY BITUMINOUS CURB AND TWO STANDARD CONCRETE WHEELSTOPS SHALL BE CONSTRUCTED WHERE SHOWN ON PLAN.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James P. Pappas 4-5-87
COUNTY HEALTH OFFICER DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Thomas J. Davis 4-9-87
DIRECTOR DATE
John W. Williams 4-9-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. J. Nally 4-3-87
DIRECTOR DATE
W. J. Nally 4-3-87
CHIEF BUREAU OF ENGINEERING DATE

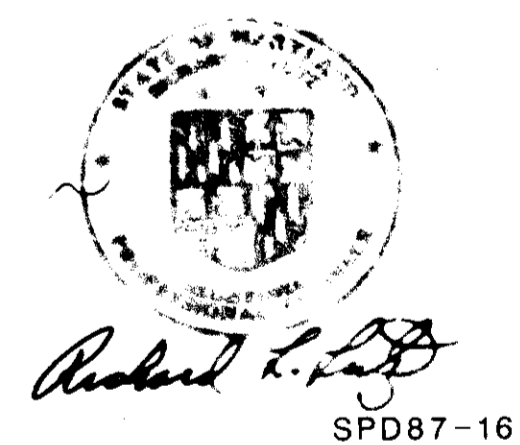
APPROVED:
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-2-87
W. J. Nally

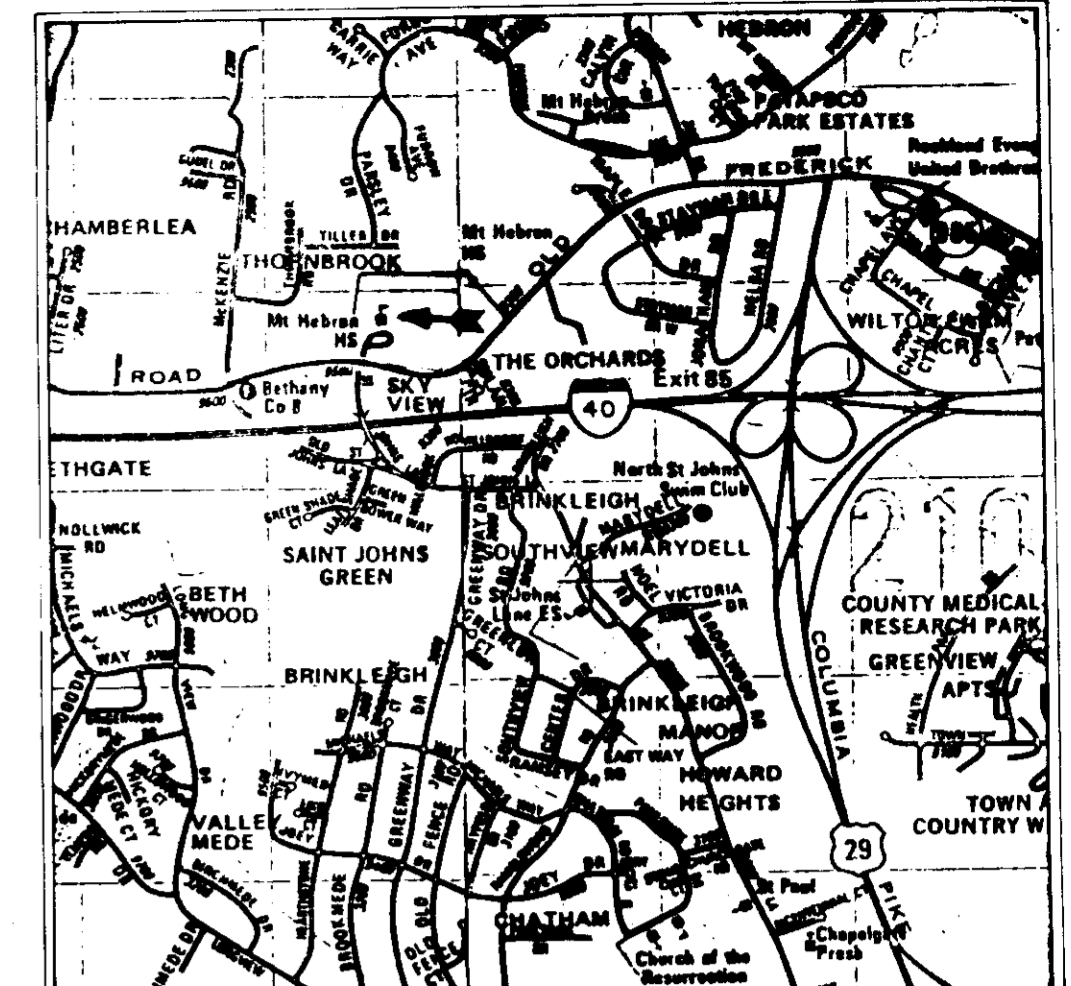
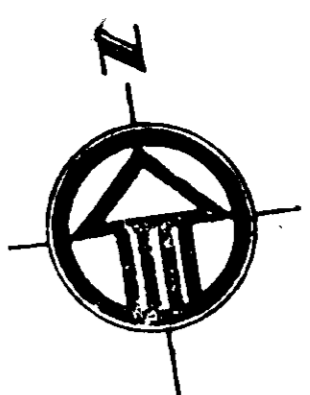
DESIGN CERTIFICATION
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Eva Perada 3/30/87
SIGNATURE DATE

DEVELOPER'S CERTIFICATION
I 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 ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
J.C. King 3-30-87
SIGNATURE DATE

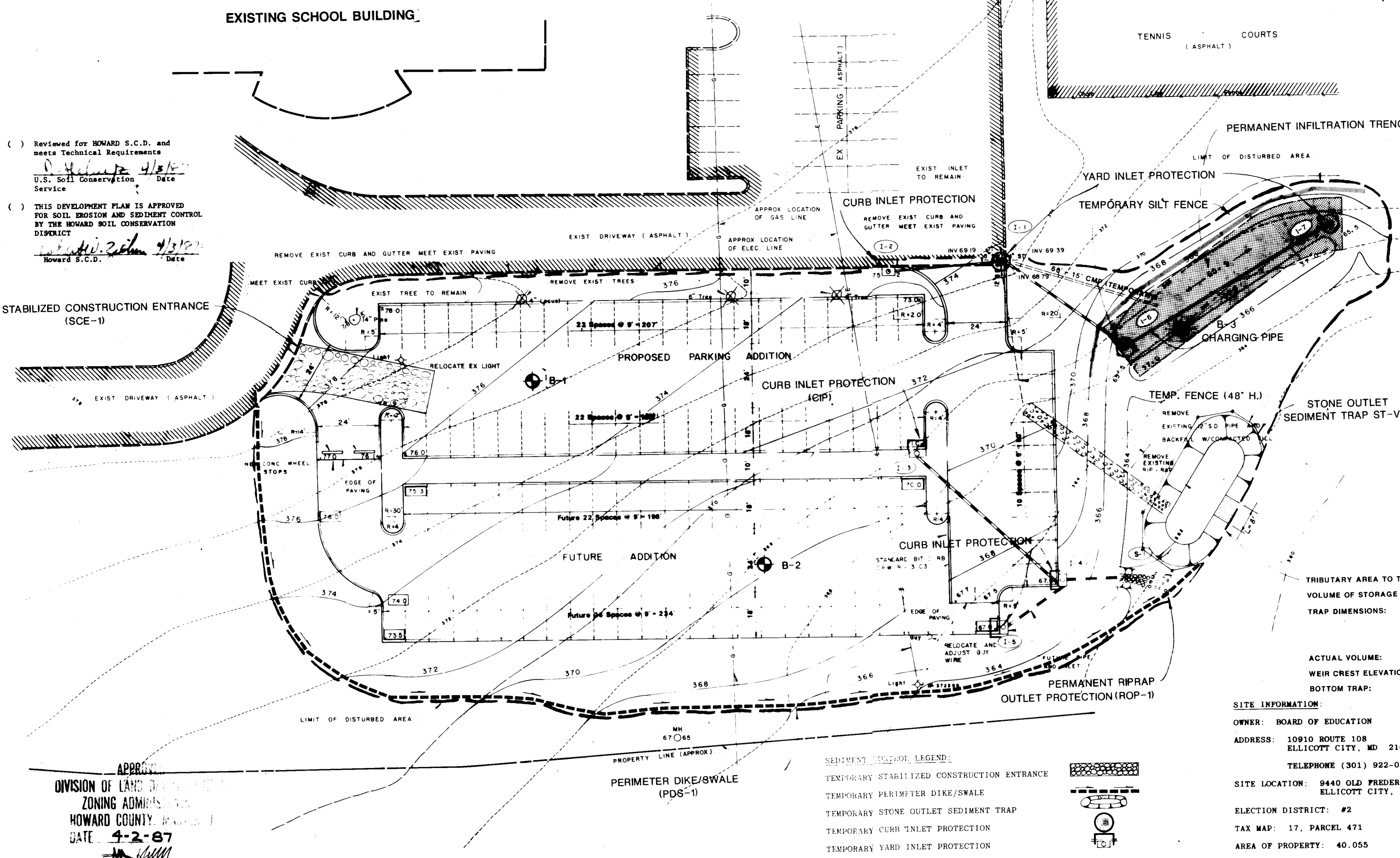
PARKING ADDITION TO SDP-78-27

PROJECT NAME ADDITIONAL PARKING FOR 103 CARS	ASSOCIATED ENGINEERS, INC. 8555 SIXTEENTH STREET SILVER SPRING MARYLAND 20910 TEL 301-599-7311	JOB NO. 2854
MOUNT HEBRON HIGH SCHOOL ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND	SCALE 1" = 20' DATE 2/27/1987 REVISED 3/30/1987	SHEET NO. SP-2
DRAWING TITLE SITE PLAN		2 OF 5





VICINITY MAP
TOTAL AREA OF SITE - 40.06 AC
SCALE: 1" = 2000'



() Reviewed for HOWARD S.C.D. and meets Technical Requirements
U.S. Soil Conservation Service
Date 4/18/87
Howard S.C.D.
Date 4/3/87

STABILIZED CONSTRUCTION ENTRANCE (SCE-1)

LEGEND

EXISTING GRADE (ADD PREFIX OF 3)	69.9
DESIGN GRADE (ADD PREFIX OF 3)	69.93
FUTURE DESIGN GRADE (ADD PREFIX OF 3)	73.9
EXISTING CONTOUR	366
DESIGN CONTOUR	366
EXISTING PAVING TO REMAIN	
NEW BITUMINOUS CONCRETE PAVING	
EXISTING CURB	
NEW CONCRETE CURB & GUTTER	
NEW BITUMINOUS CURB	
NEW PAINTED PARKING BAYS	
EXISTING STORM DRAIN PIPE & STRUCTURE	
NEW STORM DRAIN PIPE & STRUCTURE	
NEW UNGROUTED RIP-RAP	
PERMANENT INFILTRATION TRENCH	
SOIL BORING TAKEN BY HERBST & ASSOCIATES	

TRIBUTARY AREA TO TRAP: 2.08 AC.
VOLUME OF STORAGE REQUIRED: 3328 C.F.
TRAP DIMENSIONS:
L=44'
W=14'
D=4'
ACTUAL VOLUME: 3608 C.F.
WEIR CREST ELEVATION: 362.5
BOTTOM TRAP: 357.5

SITE INFORMATION:
OWNER: BOARD OF EDUCATION
ADDRESS: 10910 ROUTE 108
ELLICOTT CITY, MD 21043
TELEPHONE (301) 922-0500
SITE LOCATION: 9440 OLD FREDERICK ROAD
ELLICOTT CITY, MARYLAND
ELECTION DISTRICT: #2
TAX MAP: 17, PARCEL 471
AREA OF PROPERTY: 40.055
ZONING: R-20
PROPERTY RECORDED IN LIBER: 406, FOLIO: 222
LIBER: 545, FOLIO: 131
LIBER: 334, FOLIO: 144 (PART OF)

APPROVED:
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-2-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 4-8-87
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 4-9-87
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 4-3-87

CONTACT MISS UTILITY AT LEAST 48 HOURS PRIOR TO GRADING (1-800-257-7777)

SEDIMENT CONTROL LEGEND:

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE	
TEMPORARY PERIMETER DIKE/SWALE	
TEMPORARY STONE OUTLET SEDIMENT TRAP	
TEMPORARY CURB INLET PROTECTION	
TEMPORARY YARD INLET PROTECTION	
TEMPORARY SILT FENCE	
LIMIT OF DISTURBED AREA	

NOTE: THIS DRAWING SHALL BE USED FOR SEDIMENT CONTROL ONLY

DESIGN CERTIFICATION
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.
SIGNATURE: *Ev. Perz...* DATE: 3/30/87

DEVELOPER'S CERTIFICATION
I 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 ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
SIGNATURE: *J.C. Hest...* DATE: 3/30/87

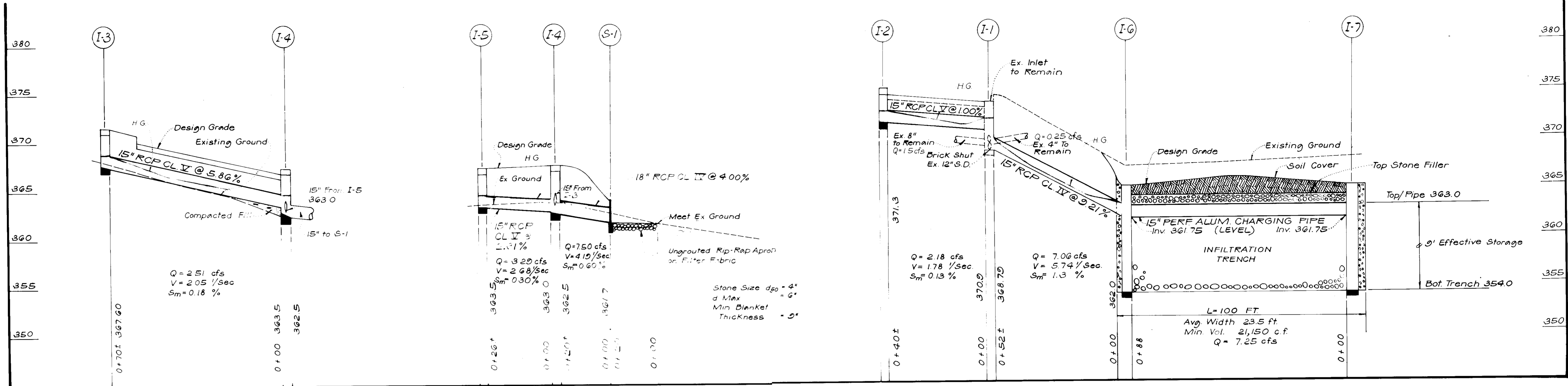
PARKING ADDITION TO SDP-78-27		ASSOCIATED ENGINEERS, INC. 8555 SIXTEENTH STREET SILVER SPRING, MARYLAND 20910 TEL 301-588-7311		JOB No 2854
PROJECT NAME: ADDITIONAL PARKING FOR 103 CARS		MOUNT HEBRON HIGH SCHOOL ELECTION DISTRICT NO. 2		SHEET No SP-3
HOWARD COUNTY, MARYLAND		SCALE: 1" = 20' DATE: 2/27/87 REVISED: 3/30/1987		3 OF 5

SPD87-167

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
	9440 Route 99
ELLICOTT CITY, MARYLAND	

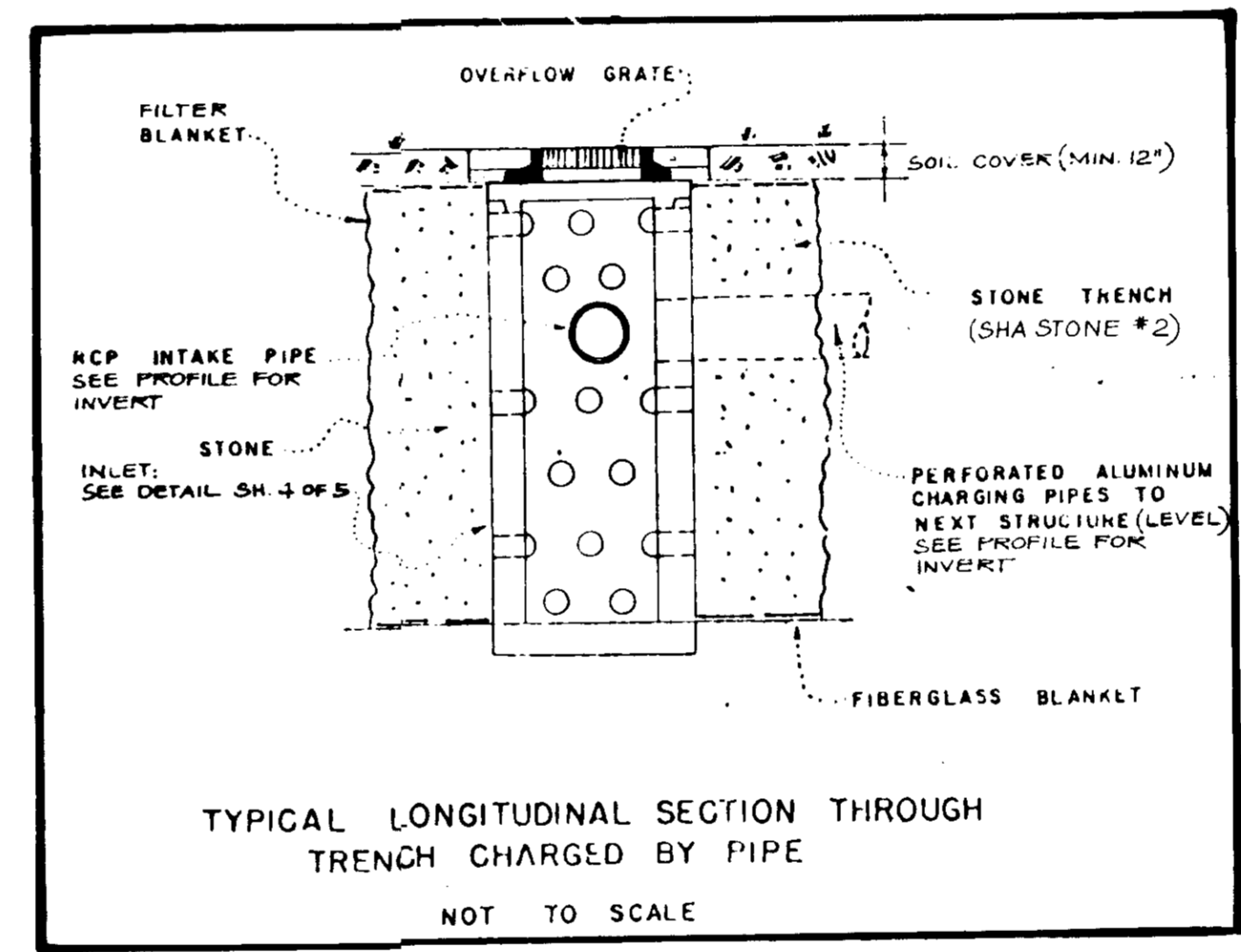
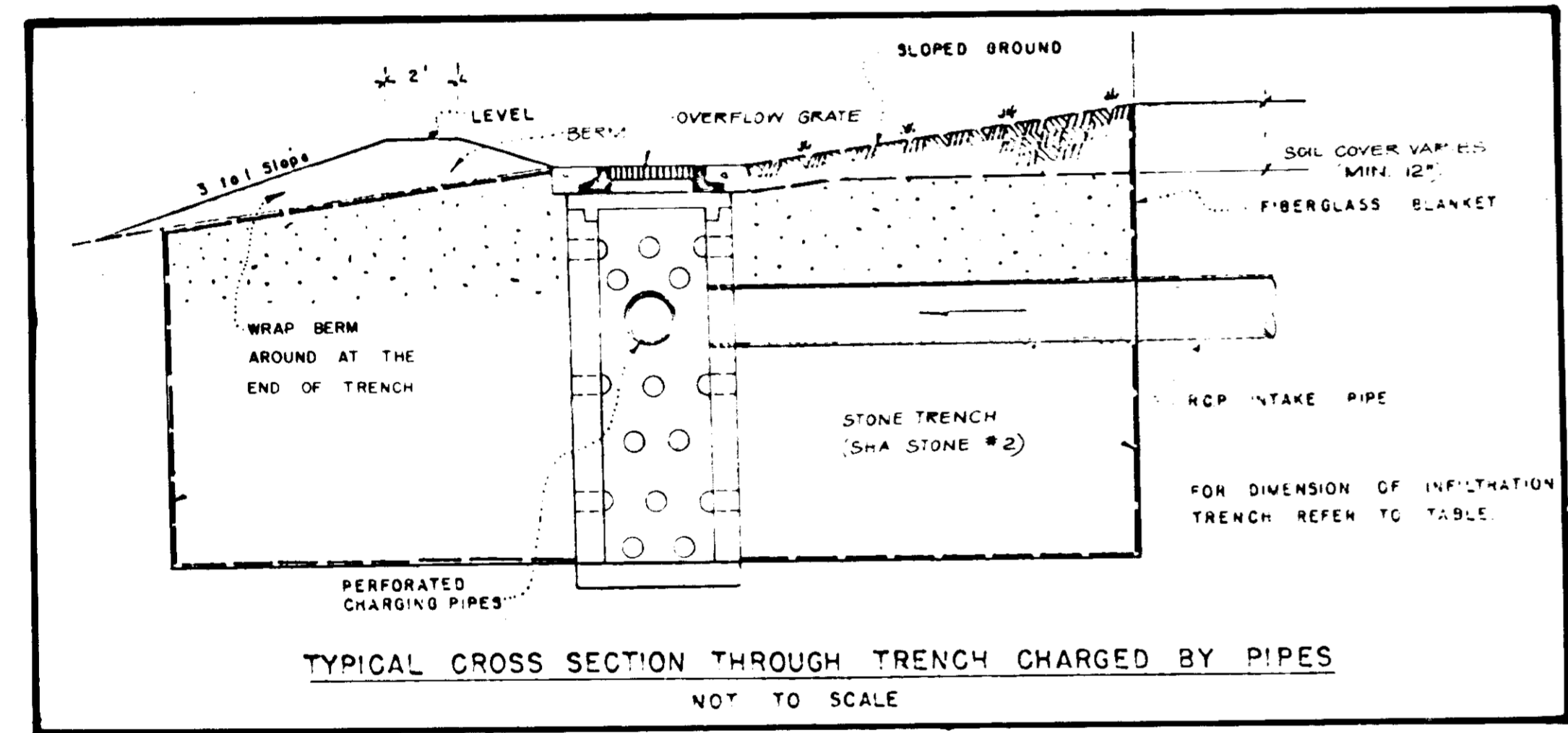
SECTION	AREA	JOB/TAX/EL
MT. HEBRON HIGH SCHOOL		471
SEE LIST	R-20	6021
WATER CODE	H03	SEARCH CODE
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SDP-87-167

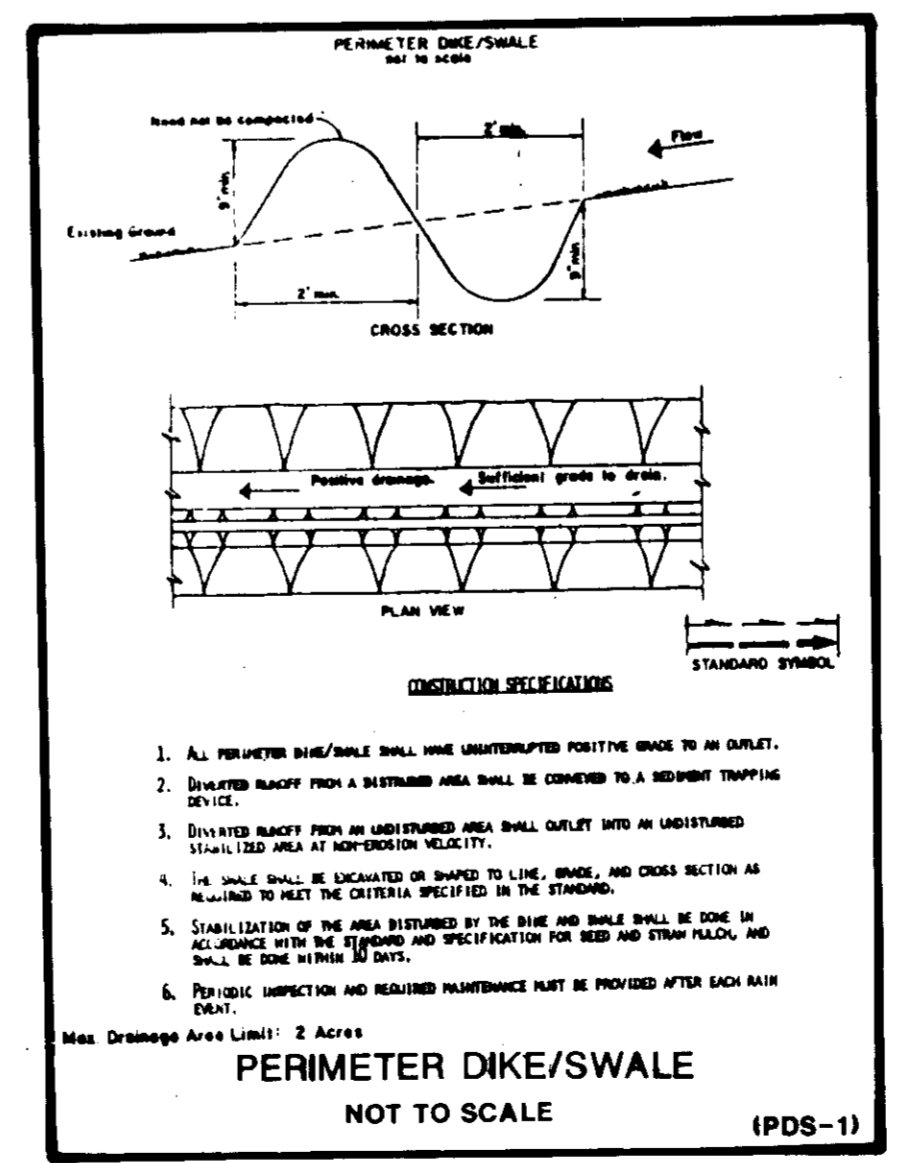
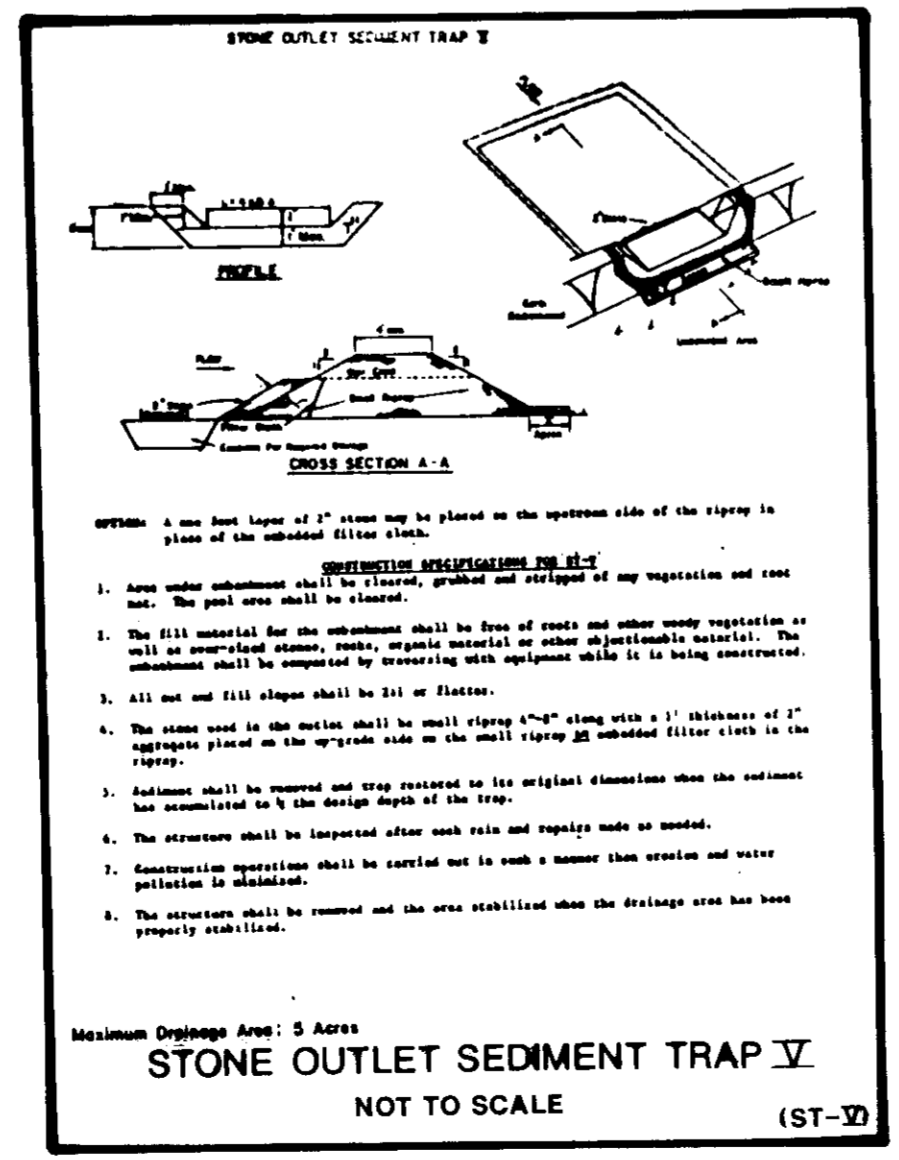


TRENCH NO.	REQUIRED VOLUME OF STORAGE (CF)	TRENCH DIM. WIDTH (FT)	TRENCH DIM. LENGTH (FT)	EFFECTIVE DEPTH OF STORAGE (FT)	TOP STONE ELEV.	INV. OF CHARGING PIPE ELEV.	BOTTOM TRENCH (ELEV.)	TOP TRENCH (ELEV.)	REMARKS
A	21,150 CF	23.5	100	9.0	364.0	361.75	354.0	363.0	TWO (2) VISITAGE INLETS AND CHARGING PIPE SEE DETAILS SP-4 AND SP-5

NOTE: VOLUME OF STONE ABOVE DEPTH OF EFFECTIVE STORAGE SERVED AS A FILLER AND/OR FILTER MATERIAL ONLY.



NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS
I-1	EXIST. INLET	-	370.9 (15")	368.79	BRICK-SHUT EX. 12" OUTFALL PIPE; RECHANNEL STRUCTURE, CONNECT NEW PIPE AND REPAIR STRUCTURE AS NECESSARY.
I-2	TYPE "A-5" INLET	375.2	-	371.30	DPW STD DETAIL SD-4.01
I-3	TYPE "A-5" INLET	371.6	-	367.60	DPW STD DETAIL SD-4.01
I-4	TYPE "A-5" INLET	367.4	363.00	362.50	DPW STD DETAIL SD-4.01
I-5	TYPE "A-5" INLET	367.3	-	363.5	DPW STD DETAIL SD-4.01
I-6	INLET TO INFILTRATION TRENCH	367.0	362.0	361.75	AS DETAILED
I-7	INLET TO INFILTRATION TRENCH	367.0	361.75	-	AS DETAILED
S-1	TYPE "C" ENDWALL	-	-	361.7	DPW STD DETAIL SD-5.21 (D=18") RIPRAP OUTLET PROTECTION (ROP-1)



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 4-8-87
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 ZONING ADMINISTRATOR: [Signature] DATE: 4-9-87
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 4-3-87
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 4-3-87

APPROVED: [Signature]
 DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 HOWARD COUNTY
 DATE: 4-2-87
 M. J. FUM

SPD87-167

PROJECT NAME: ADDITIONAL PARKING FOR 103 CARS
MOUNT HEBRON HIGH SCHOOL
 ELECTION DISTRICT NO. 2
 HOWARD COUNTY, MARYLAND

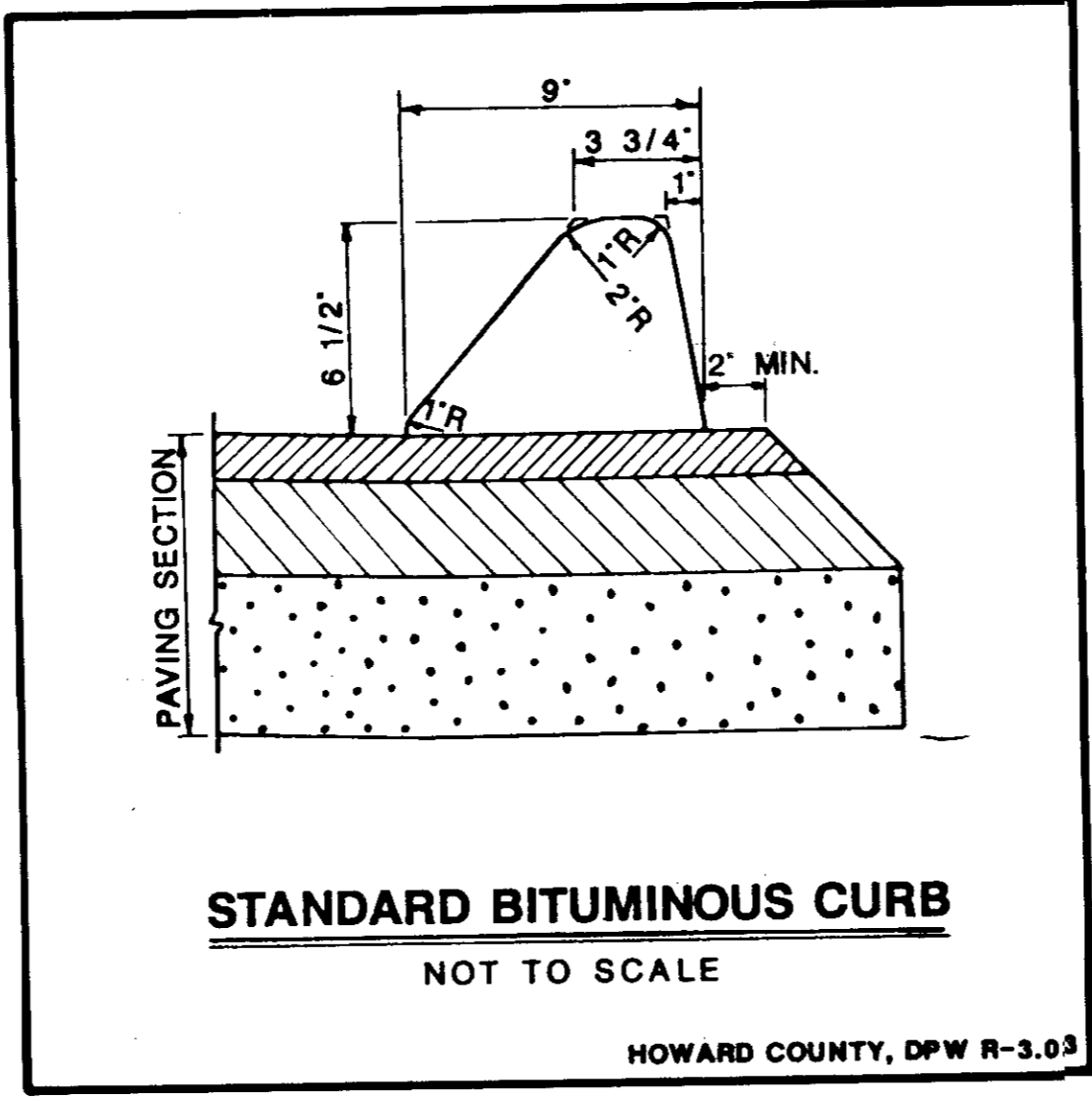
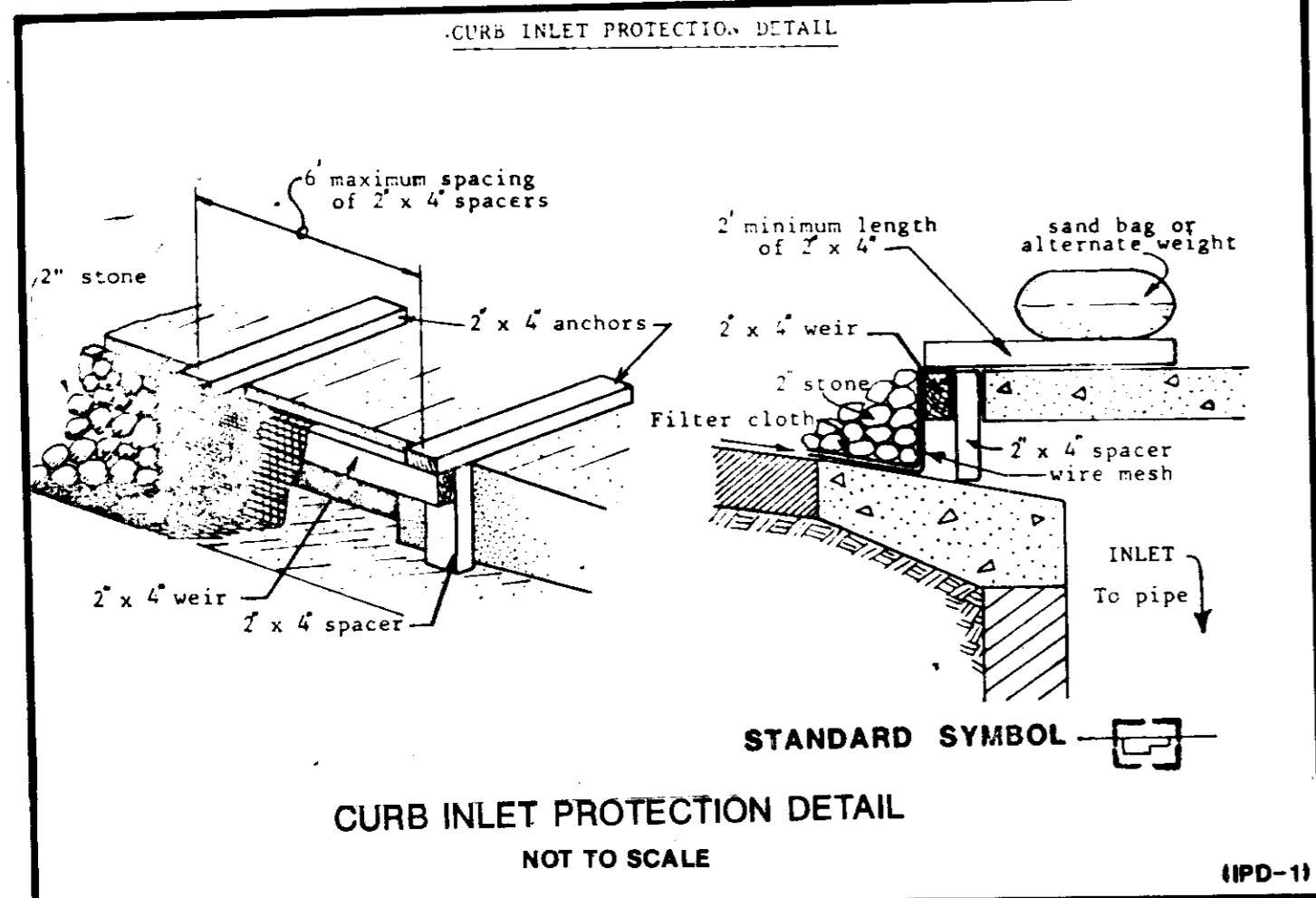
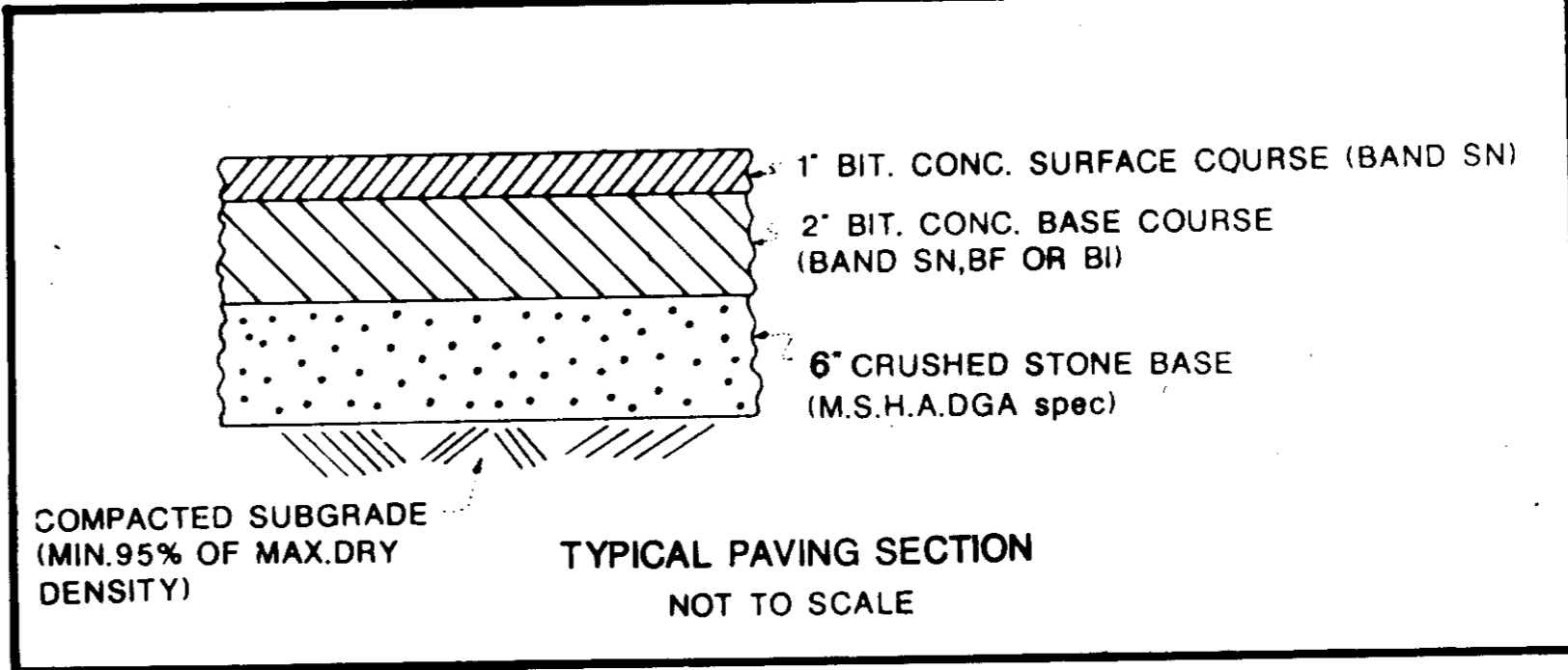
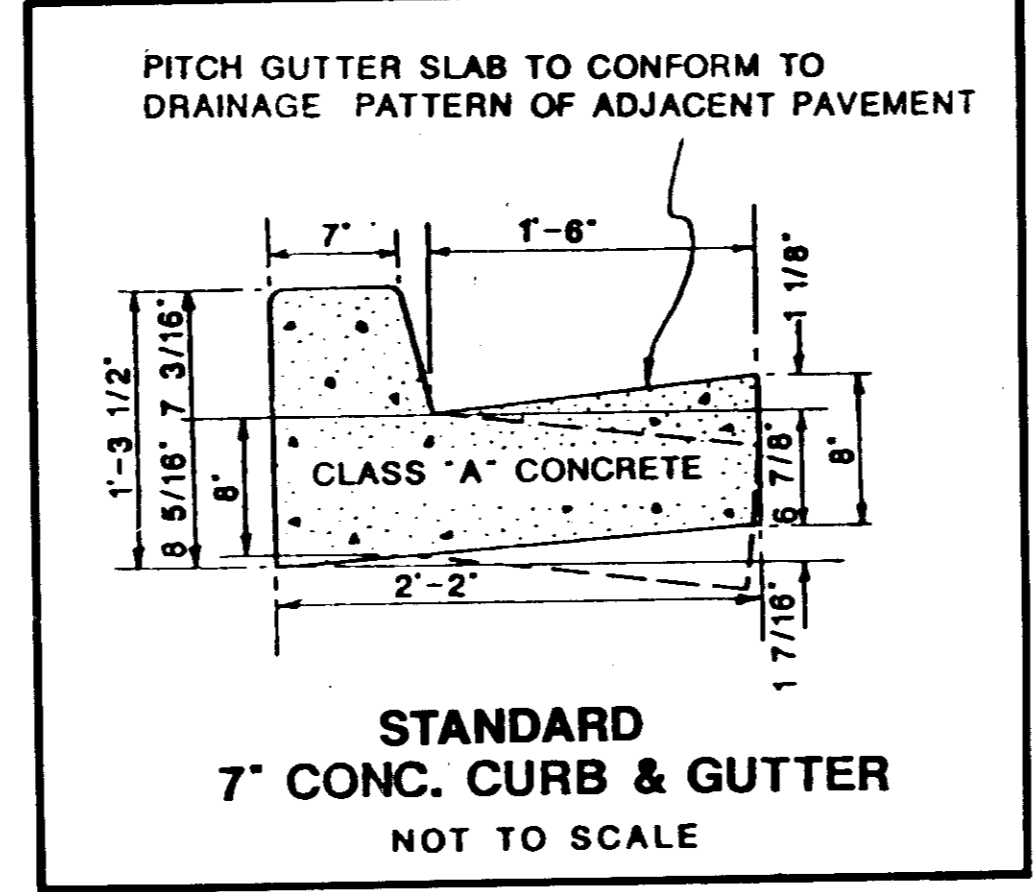
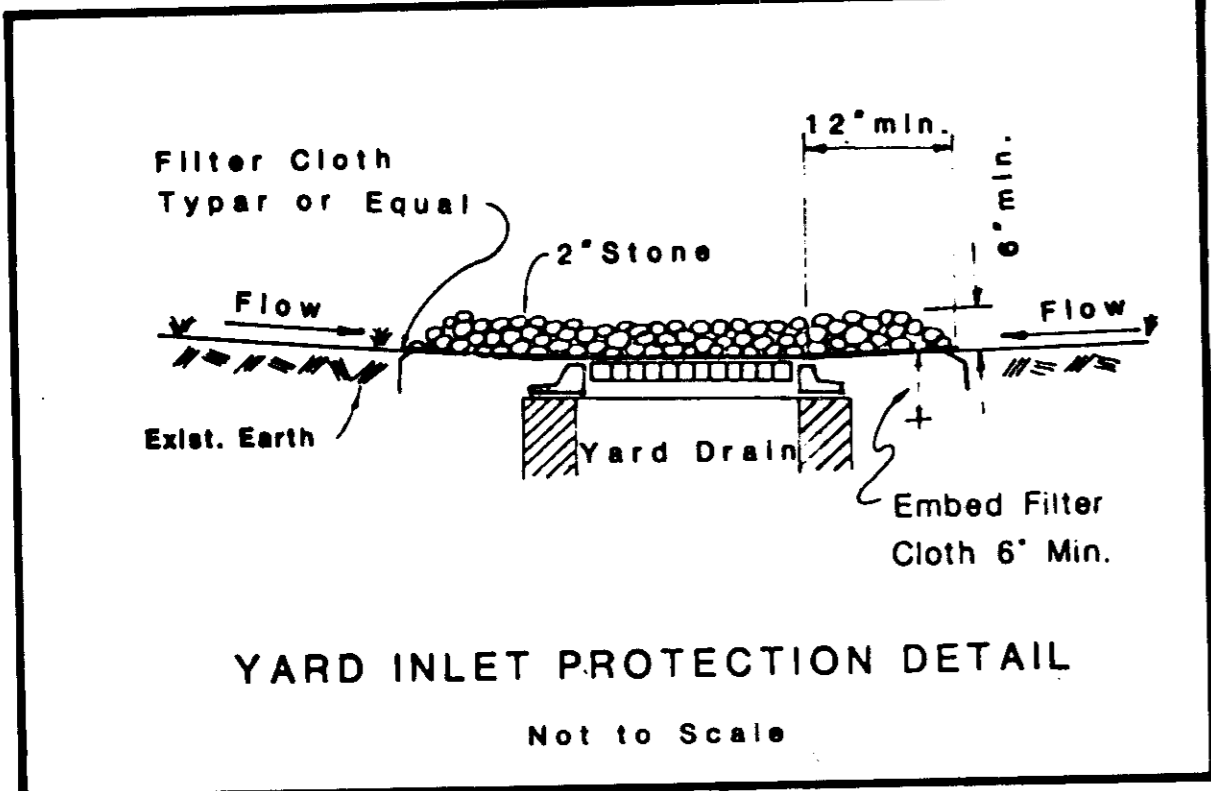
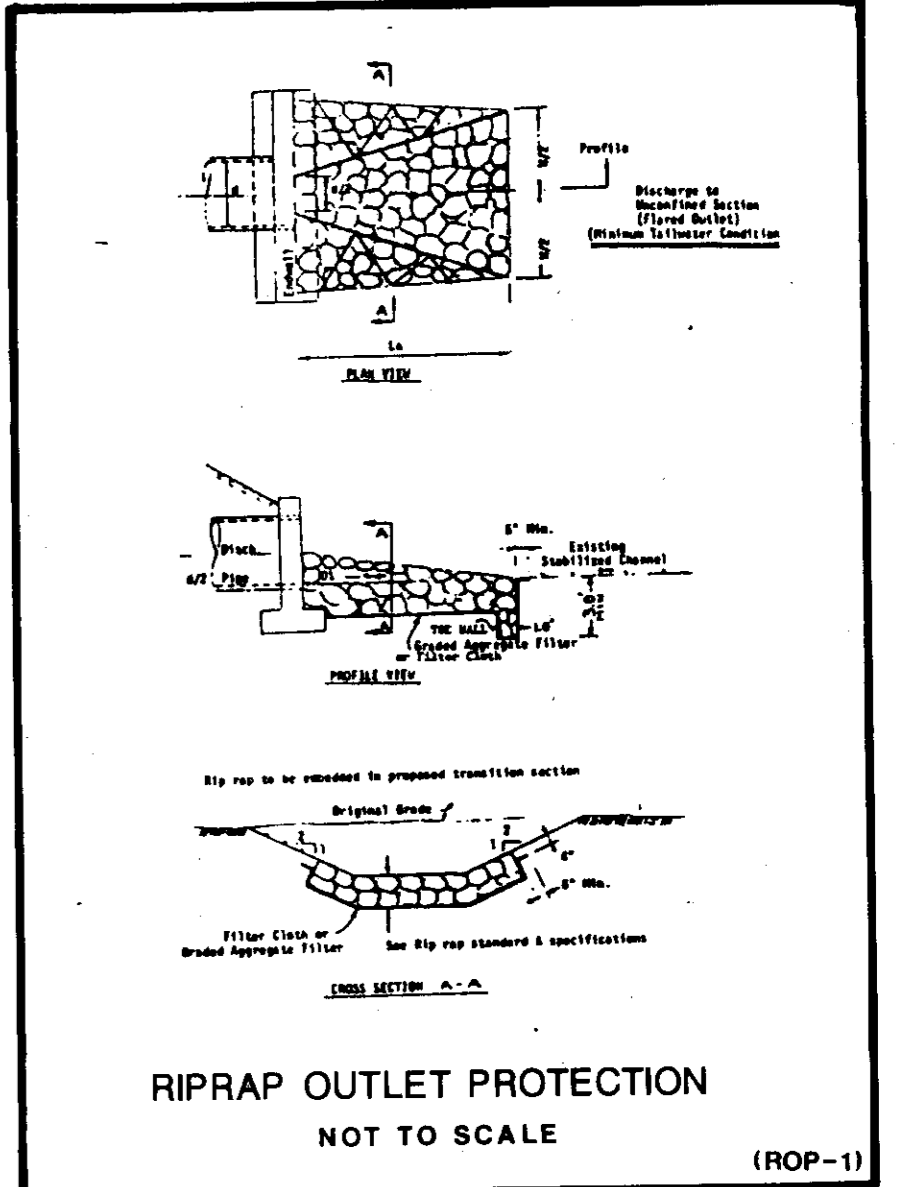
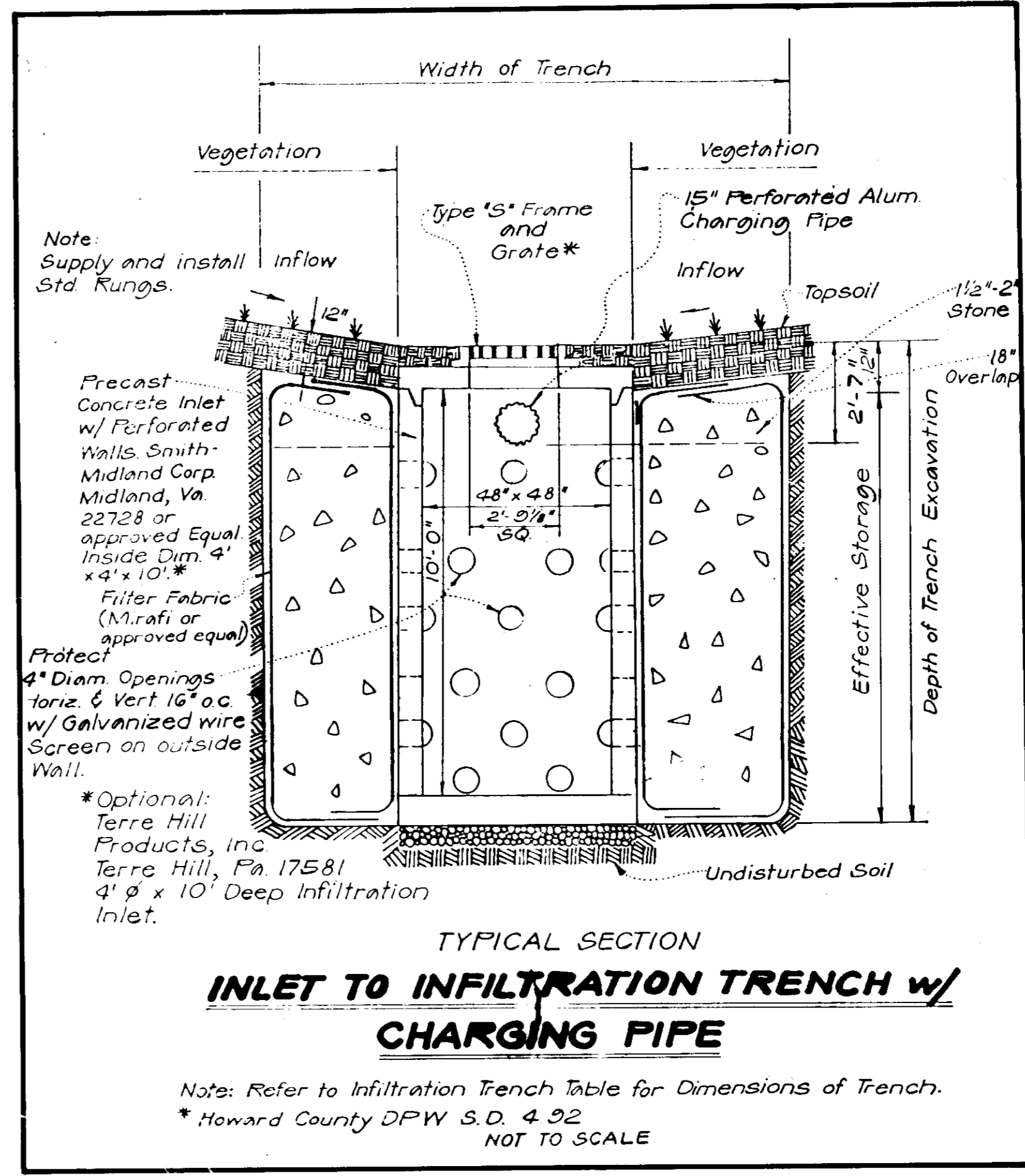
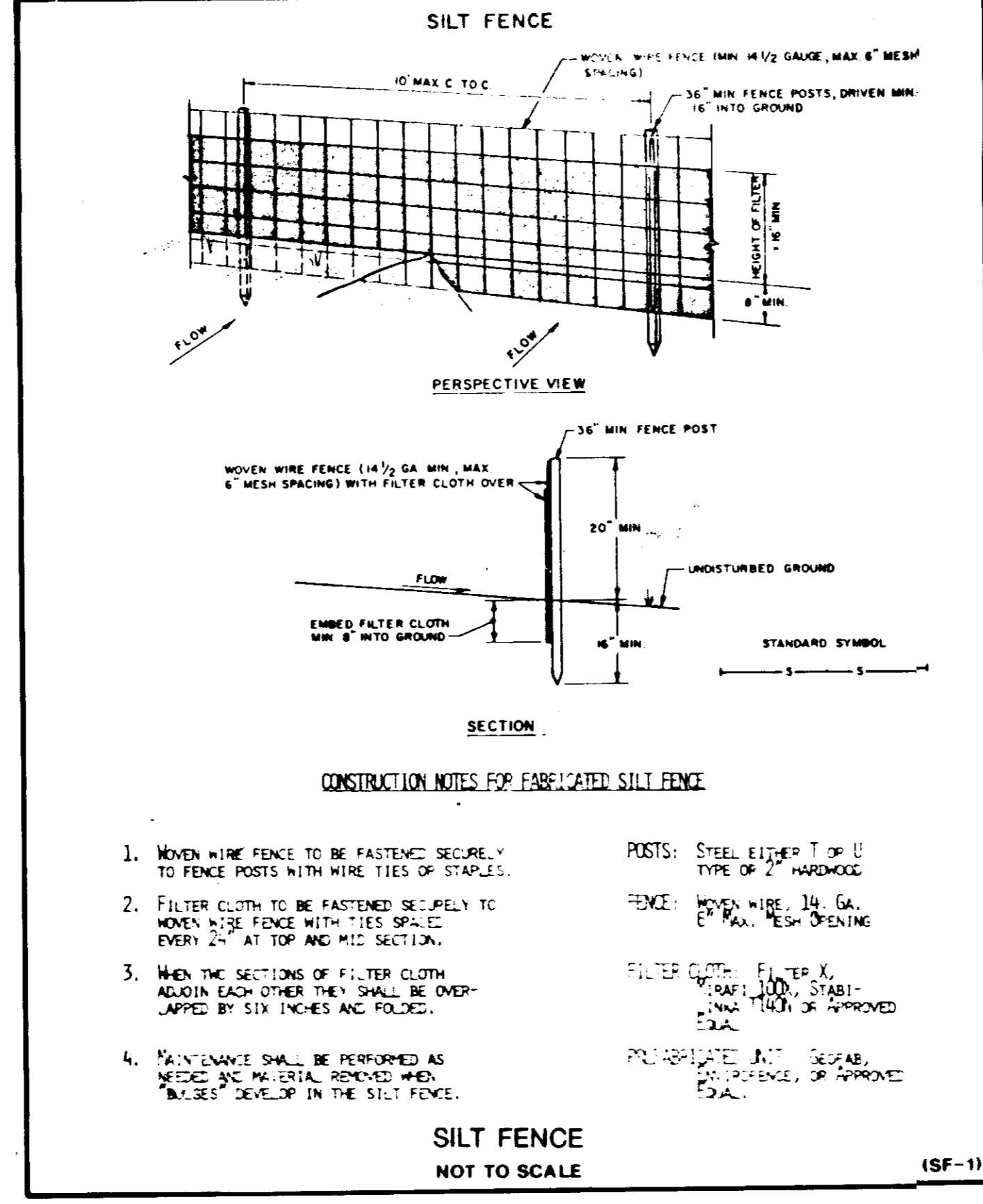
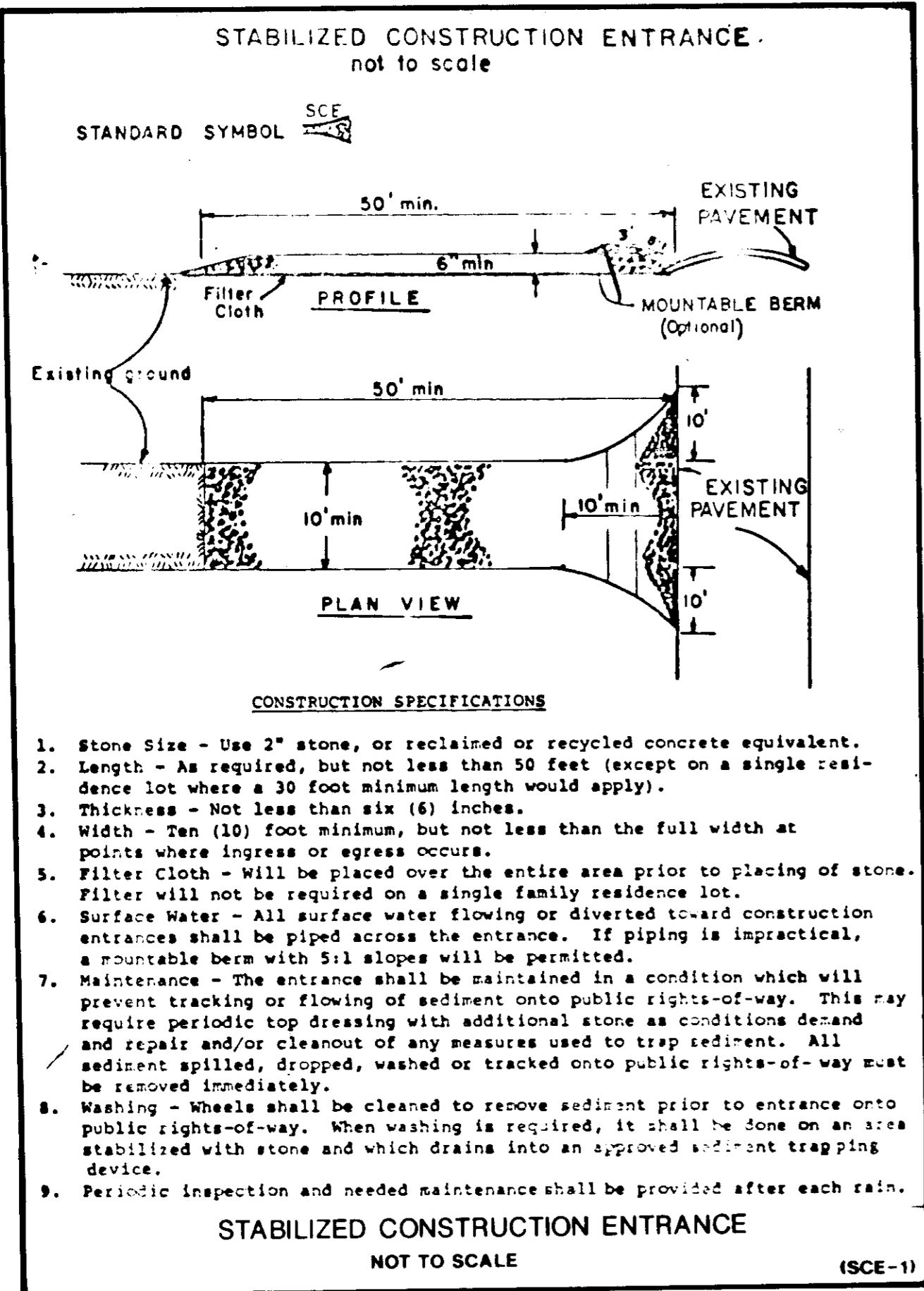
ASSOCIATED ENGINEERS, INC.
 8555 SIXTEENTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL. 301-588-7311

SCALE: AS SHOWN
 DATE: 2/27/1987
 REVISED: 3/30/1987

JOB NO: 2854
 SHEET NO: **SP-4**
 4 OF 5

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 4-8-87
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DIRECTOR: [Signature] DATE: 4-9-87
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [Signature] DATE: 4-9-87
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 4-8-87
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 4-9-87

APPROVED
 DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 HOWARD COUNTY
 DATE: 4-2-87
 [Signature]



SPD87-167

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
	9440 Route 99
ELLCOTT CITY, MARYLAND	

SUBDIVISION NAME: MT HEBRON HIGH SCHOOL
 SECTION/AREA: 471
 PLAT OR L.P. BLOCK: 17
 SEE LIST: R-20
 WATER CODE: HQ3
 SEWER CODE: 1406800

PARKING ADDITION TO SDP-78-27

PROJECT NAME: ADDITIONAL PARKING FOR 103 CARS	ASSOCIATED ENGINEERS, INC.	JOB No: 2854
MOUNT HEBRON HIGH SCHOOL	8555 SIXTEENTH STREET	SHEET No:
ELECTION DISTRICT NO. 2	SILVER SPRING, MARYLAND 20910	SP-5
HOWARD COUNTY, MARYLAND	TEL 301-589-7311	SCALE: NOT TO SCALE
DRAWING TITLE: DETAILS	DATE: 2/27/1987	5 OF 5
	REVISED: 3/30/1987	

SDP-87-167