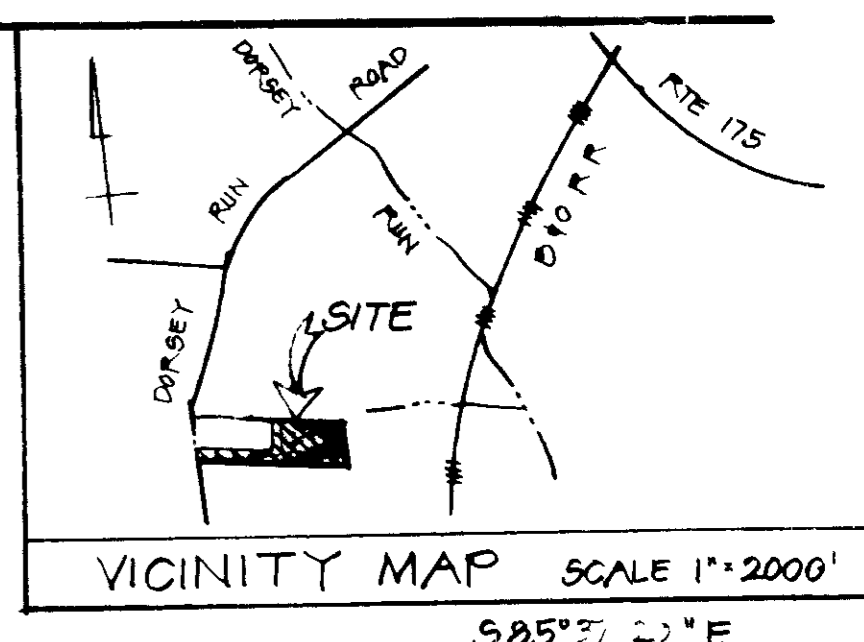
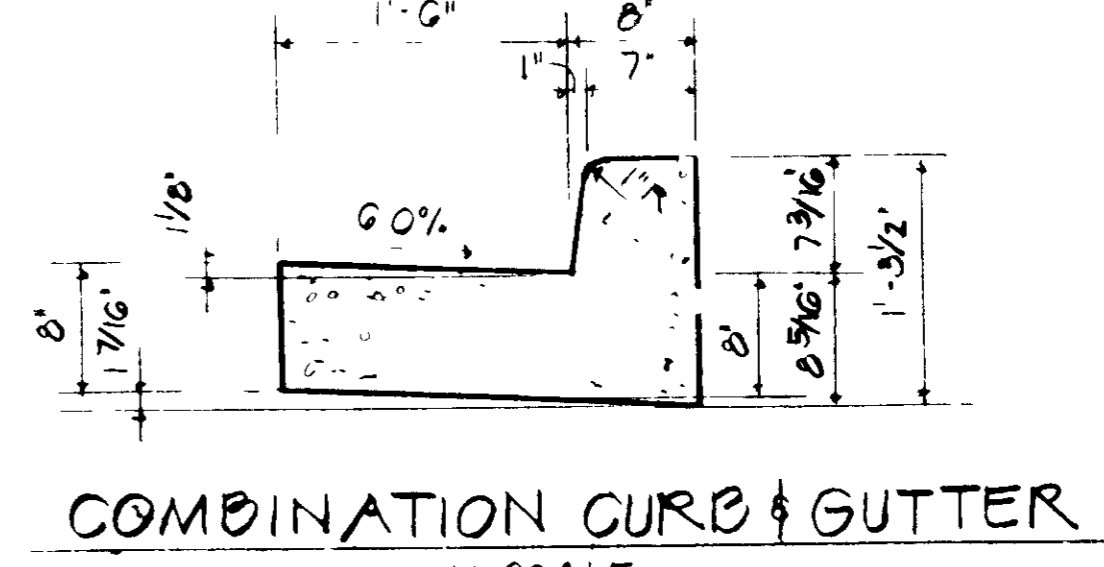
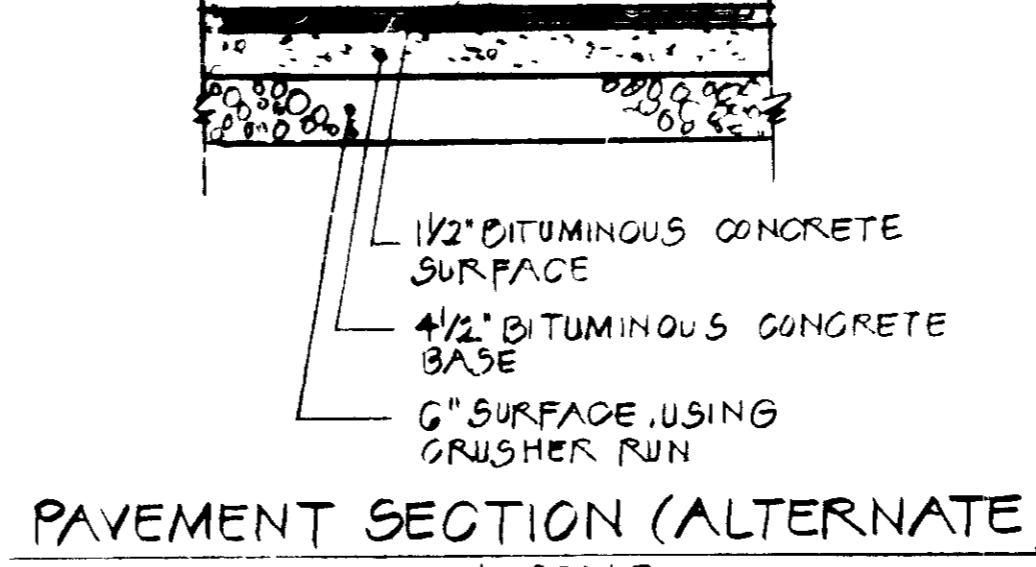
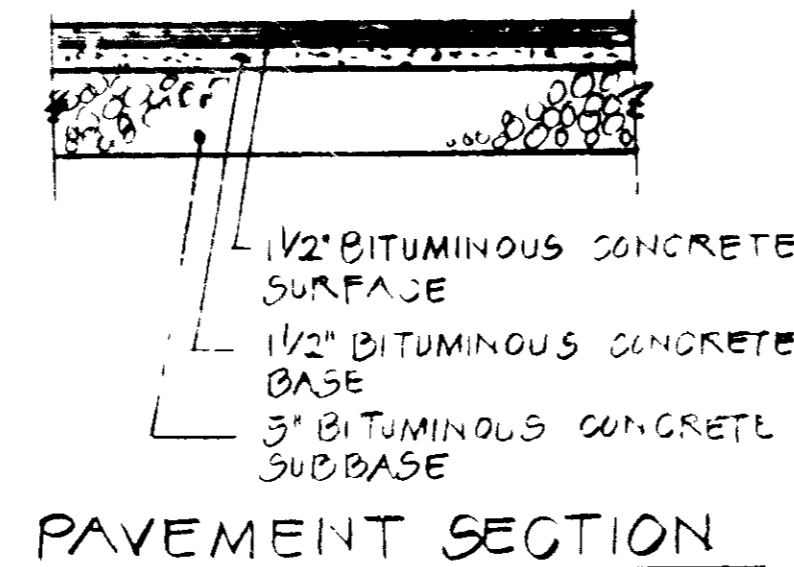


STORM WATER MANAGEMENT: 1.0" AC
 Drainage Area: 8.0 AC + ROUTED - 710 AC
 RCN (existing): 57
 RCN (after development): 94
 Allowable Release: Proposed R: 0.50 cfs
 10 YEAR: 7.14 cfs
 100 YEAR: 17.74 cfs
 Storage Required (10 Year): 60,808 CF
 Storage Provided to Elev. 199.40: 60,808 CF
 Surface Area: 0.26
 Structure Classification: 2
 Structure Class: 2
 Storage X height Product: 3.02 AC FT
 D.A. Routed: 710 AC
 Normal Surface Area: N/A DRY POND
 Structure Classification: URBAN
 HYDROLOGIC CRITERIA
 2, 10 Year Management Provided

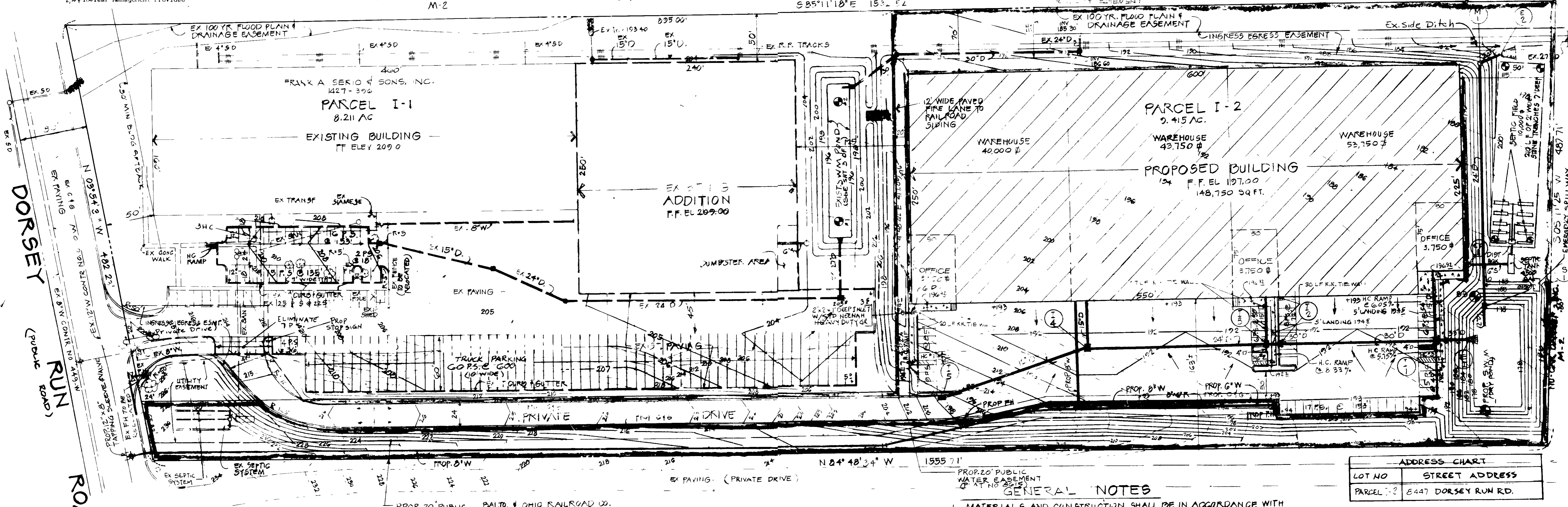


STATE OF MARYLAND
 178 116
 M-2

PAVEMENT SECTION
 NO SCALE

PAVEMENT SECTION (ALTERNATE)
 NO SCALE

COMBINATION CURB & GUTTER
 NO SCALE



ADDRESS CHART

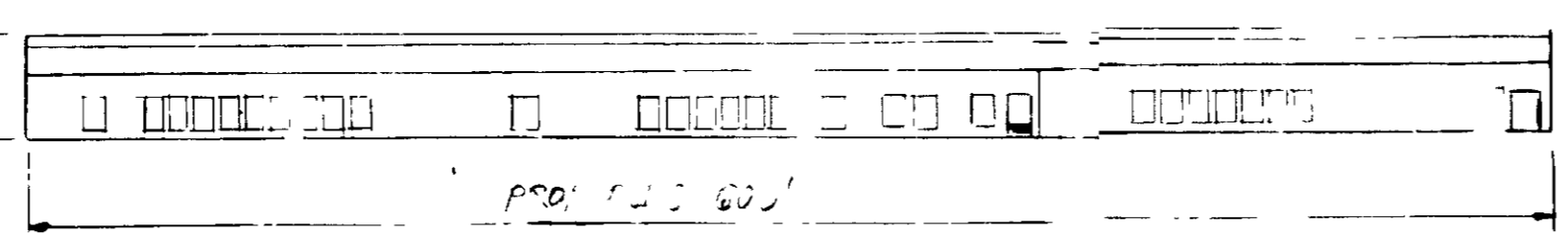
LOT NO	STREET ADDRESS
PARCEL I-1	8447 DORSEY RUN RD.

GENERAL NOTES

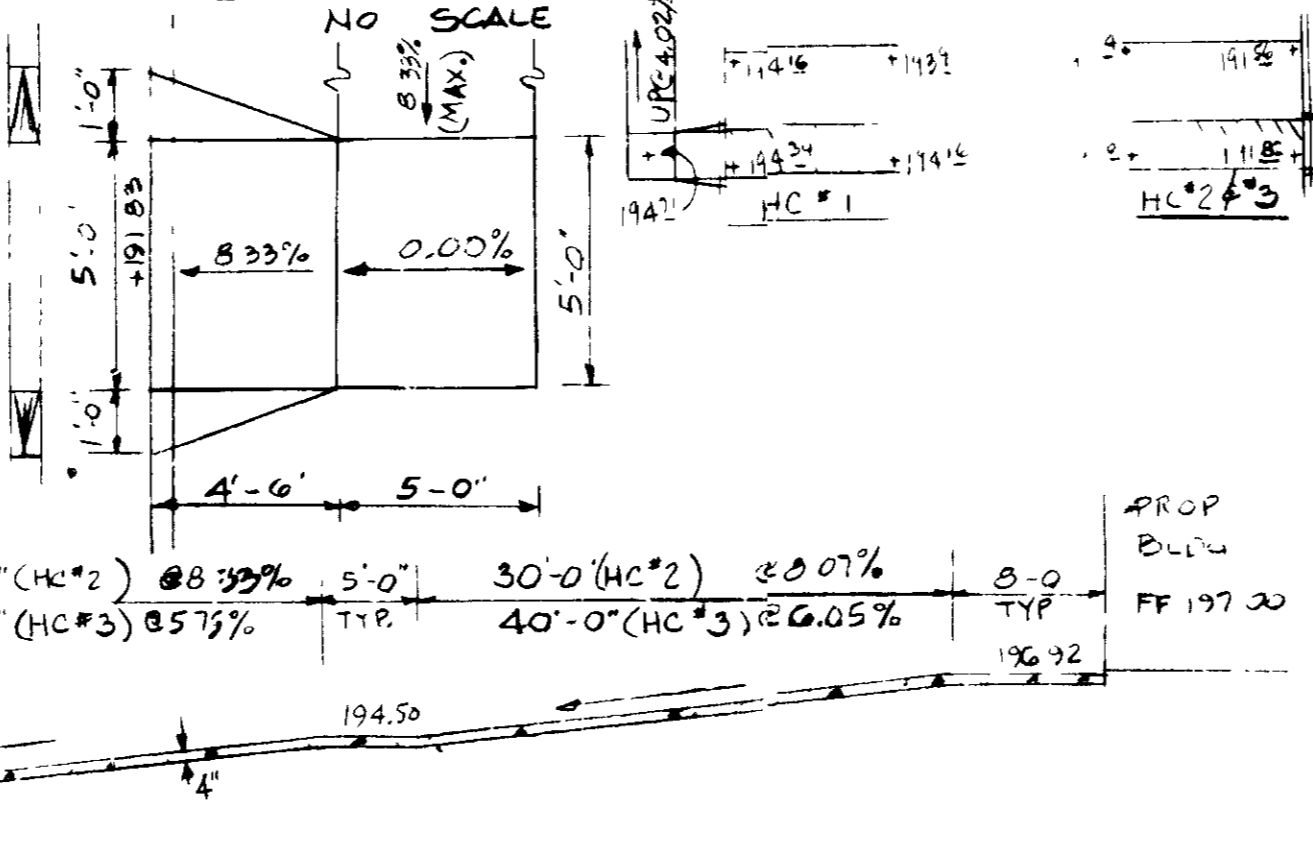
- MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE C&P TELEPHONE COMPANY AND THE GAS & ELECTRIC COMPANY FIVE DAYS PRIOR TO STARTING WORK SHOWN ON THESE PLANS BY CALLING 'MISS UTILITY', CALL COLLECT 1-550-0100.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3.5' COVER OVER ALL PROPOSED WATER LINES.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1.0' CLEARANCE AT ALL WATER, SEWER AND STORM DRAIN CROSSINGS.
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 992-2418.
- ALL REINFORCED CONCRETE PIPE SHALL BE CLASS II.
- MANHOLE SHALL BE PRECAST IN ACCORDANCE WITH HOWARD COUNTY STANDARD 6-511.
- HANDICAPPED PARKING SIGN SHALL CONFORM TO MARYLAND BUILDING CODE FOR THE HANDICAPPED, BOTTOM EDGE OF SIGN MOUNTED 7'-6" MIN ABOVE GRADE, ADDITIONAL SIGN DISPLAYING AMOUNT OF FINE SHALL BE MOUNTED NO LOWER THAN 7'-0" ABOVE GRADE (HOWARD CO COUNCIL BILL 58-84)
- SHADED AREA DENOTES NEW PAVEMENT.
- CONSTRUCTION TEST REGION
- BUILDING TO BE STAINLESS
- DENOTES GREEN AREA
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE DEPT OF PLANNING & ZONING FOR ADDITIONAL PARKING REQUIREMENTS.

SITE ANALYSIS

	PARCEL I-1	PARCEL I-2	TOTAL
AREA OF SITE	8.211 AC	9.415 AC	17.62 AC
EXISTING ZONING	M-2	M-2	M-2
FLOOR SPACE			
EXISTING WAREHOUSE	64,950 #		64,950 #
EXISTING OFFICE	8,680 #		8,680 #
PROPOSED WAREHOUSE	60,000 #	137,500 #	197,500 #
PROPOSED OFFICE		11,250 #	11,250 #
TOTAL	133,630 #	148,750 #	282,380 #
OPEN SPACE (20% OF TOTAL)	1.64 AC	1.88 AC	3.52 AC
GREEN AREA (PROPOSED)	2.52 AC (30.7%)	3.60 AC (38.2%)	6.12 AC (34.7%)
NUMBER OF EMPLOYEES			
OFFICE	20	25	45
WAREHOUSE	75	20	95
PARKING REQUIREMENTS			
OFFICE (1 P/S / 10 PERSONS)	14	18	32
2 SHIFTS - WAREHOUSE (1/2 P/S / EMP)	38		38
1 SHIFT - WAREHOUSE (1 P/S / EMP)		20	20
TOTAL	52	38	90
PARKING SPACES PROVIDED	60 (INC 3HC)	51 (INC 3HC)	111 (INC 6HC)
BUILDING COVERAGE OF SITE	37.6%	36.0%	36.8%
PARKING LOT AREA	14,166 #	9,090 #	23,256 #
LANDSCAPED ISLAND AREA (5% TOTAL) PROPOSED	709 #	555 #	1,264 #



SOUTH ELEVATION
 NO SCALE



HANDICAP ACCESS RAMP DETAIL
 NO SCALE

APPROVED FOR PUBLIC WATER, STORM DRAINAGE & SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James J. ... 10/1/87
 DIRECTOR DATE

James J. ... 9-25-89
 CHIEF BUREAU OF ENGINEERING DATE

APPROVED FOR PUBLIC WATER SYSTEMS AND PRIVATE SEWER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

James J. ... 10-11-87
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James J. ... 10.19.89
 DIRECTOR DATE

James J. ...
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

FINAL PLAT 89-65
 EX BUILDING SDP 77-07
 EX BUILDING ADDITION TO SDP 99-171
 PIN - P-17-13

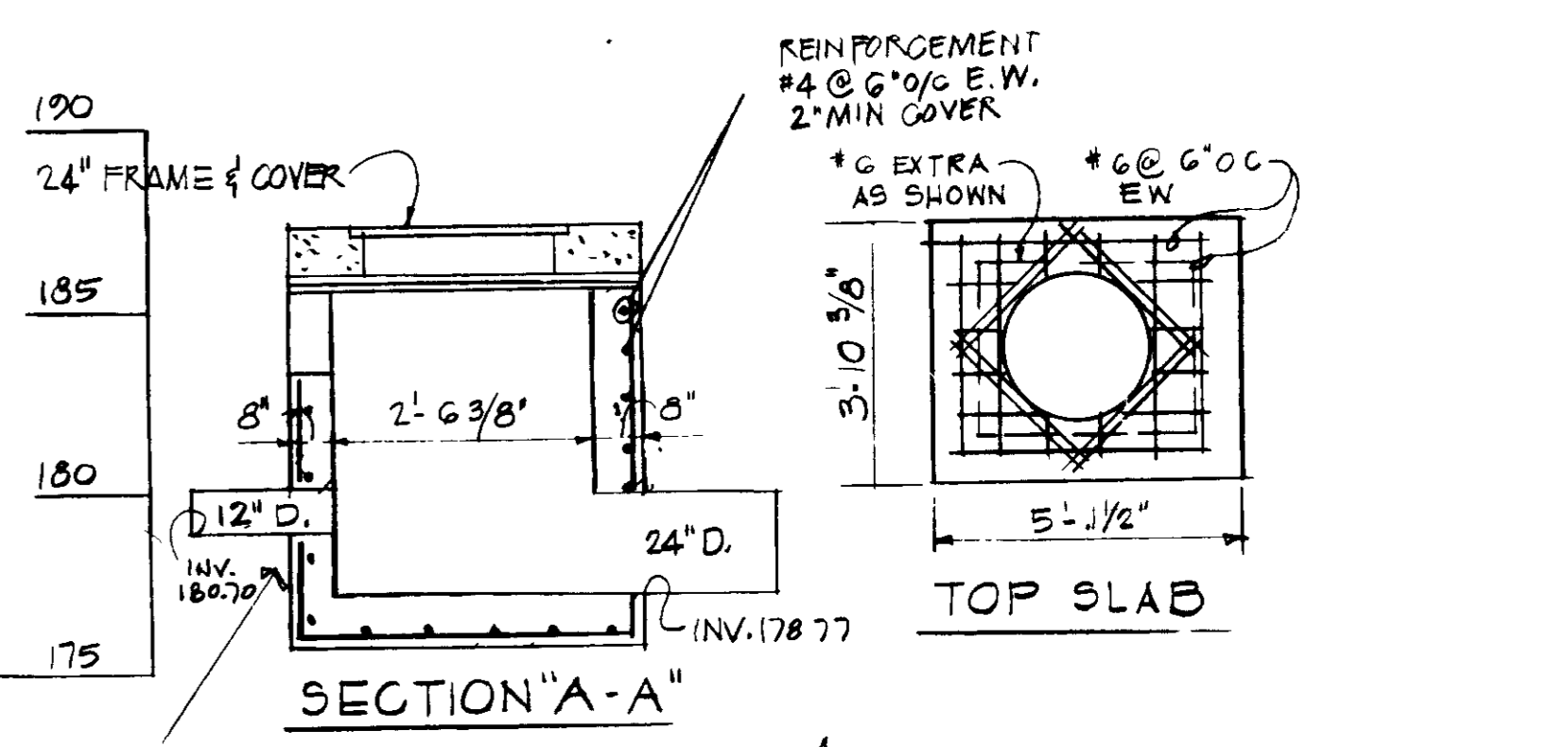
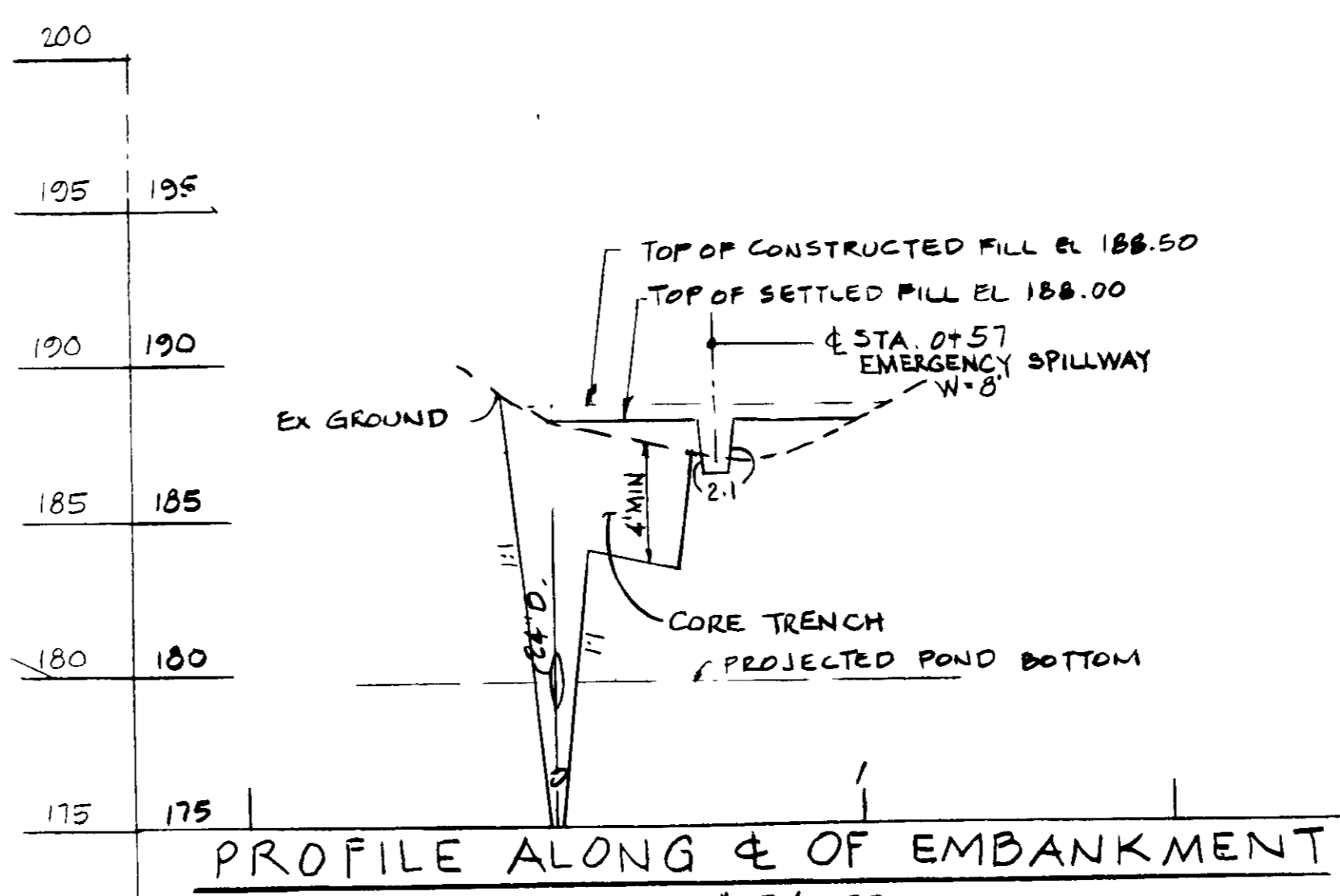
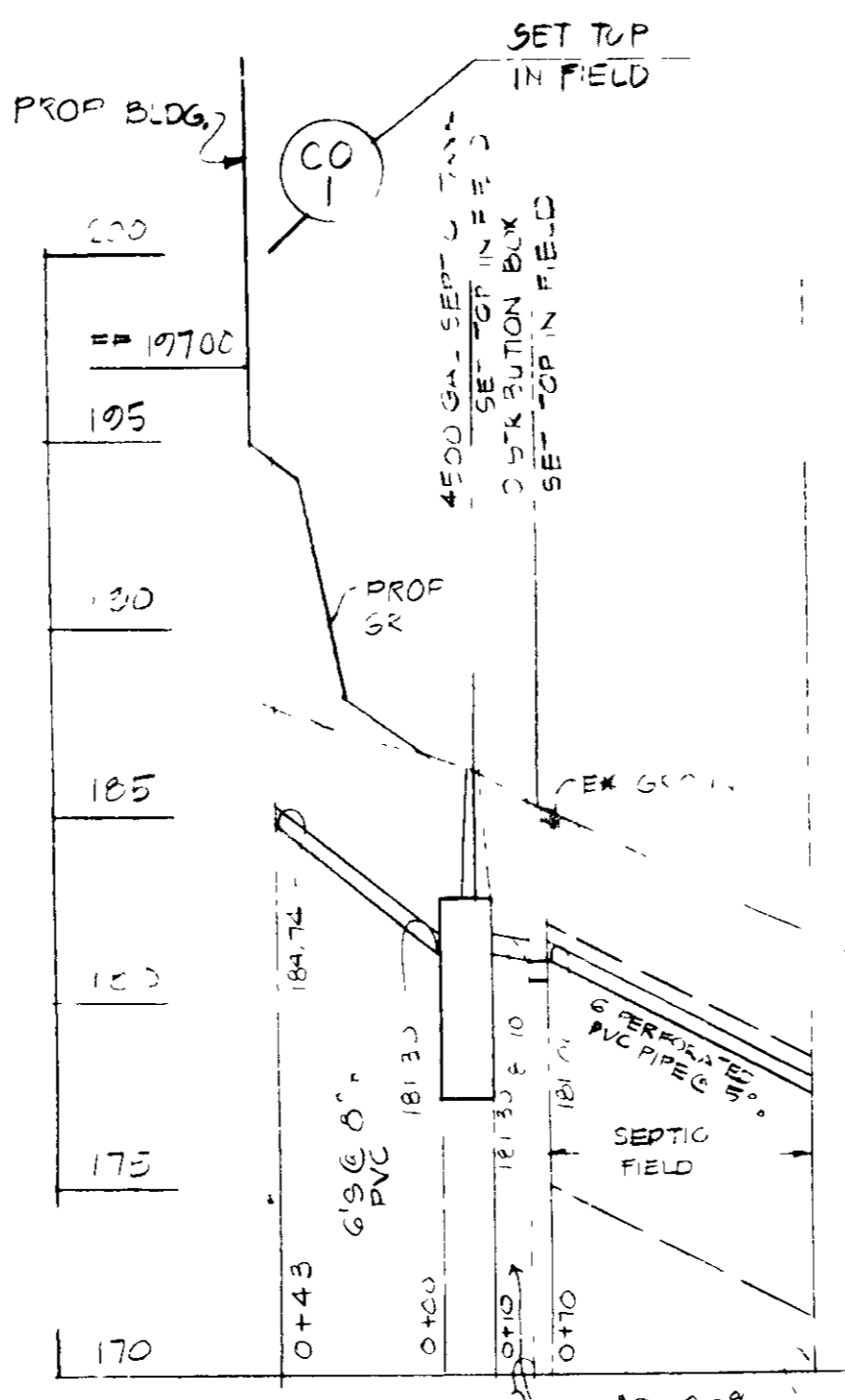
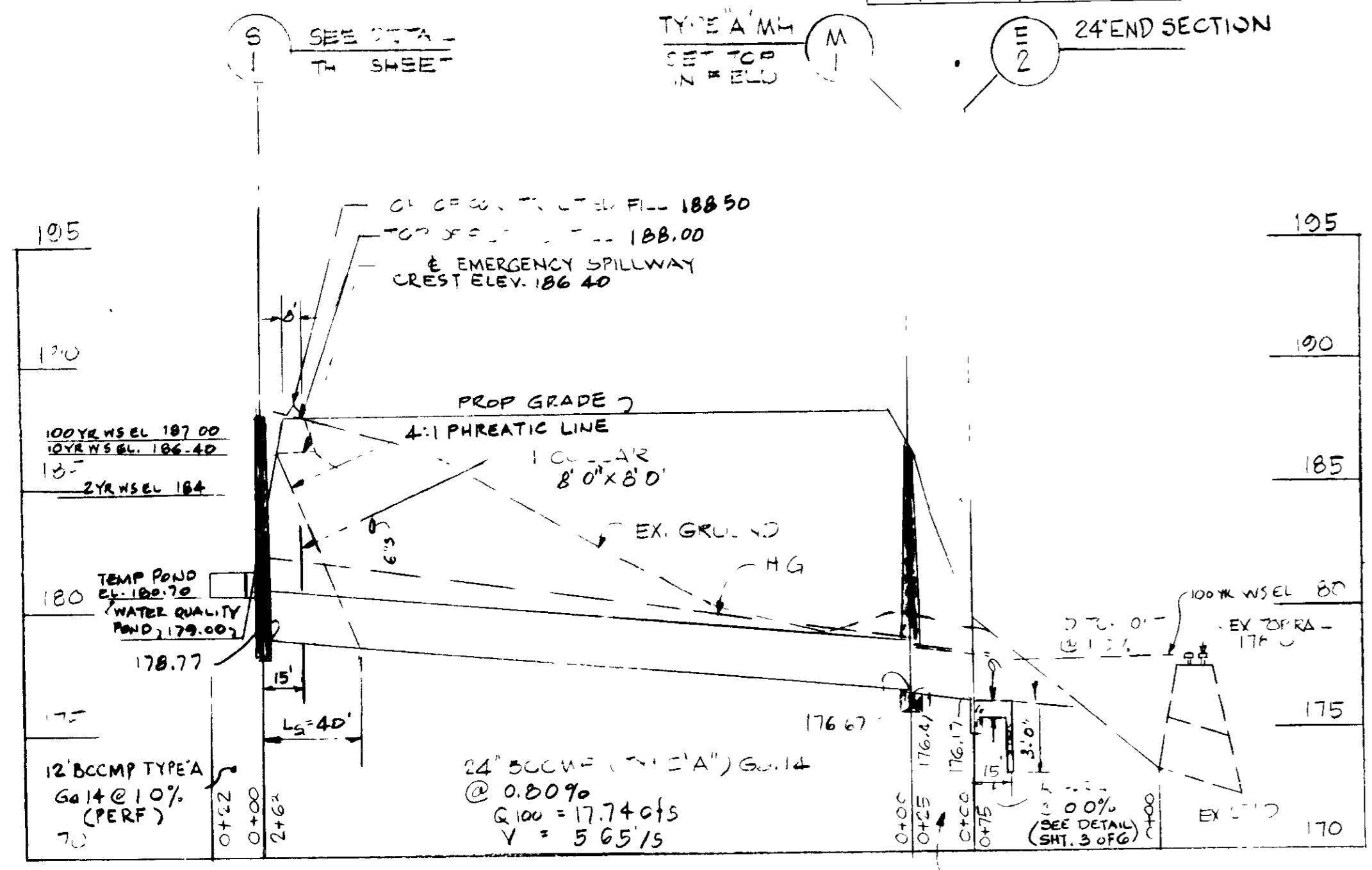
Drafting: J.R.	DATE:	REVISIONS:	ENGINEER: PAUL LEE ENGINEERING, INC. 304 W PENNSYLVANIA AVENUE TOWSON, MD 21204 TEL 821-5941	OWNER: FRANK A. SERIO and SONS, INC 8441 DORSEY RUN ROAD JESSUP, MARYLAND 20794	DIVISION NAME: SUBDIVISION NAME: HAMILTON TRACT PARCEL: PARCEL I-2 PLAT OR L.P. NO.: 89-65 WATER CODE: 3-1	SECT./AREA: 1/2	TAX/ZONE MAP: 40	BUDGET DIST: 6	DENSITY TR: 6064	SEWER CODE: N/A	SITE PLAN HAMILTON TRACT SUBDIVISION, PARCEL I-2 SERIO PROPERTY DORSEY RUN ROAD 8TH ELECTION DISTRICT HOWARD COUNTY, MD.	SHEET: 1 OF 3	DATE: OCT 24 1989	SCALE: 1" = 50'	JOB NUMBER: SDP-89-84
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APPROVED
9-25-89

MANHOLE SCHEDULE				
NO	TYPE	INVERT	TOP ELEV	REMARKS
M-1	"A" MH	177.12	176.32	SET IN FIELD

STRUCTURE SCHEDULE					
NO	TYPE	SIZE	INVERT	TOP ELEV	REMARKS
E-1	"B" ENDWALL	33'	182.08	181.00	SET IN FIELD
E-2	METAL END SECT	24"	176.02	178.02	
S-1	MOD. "NR"	24"	178.77	188.00	

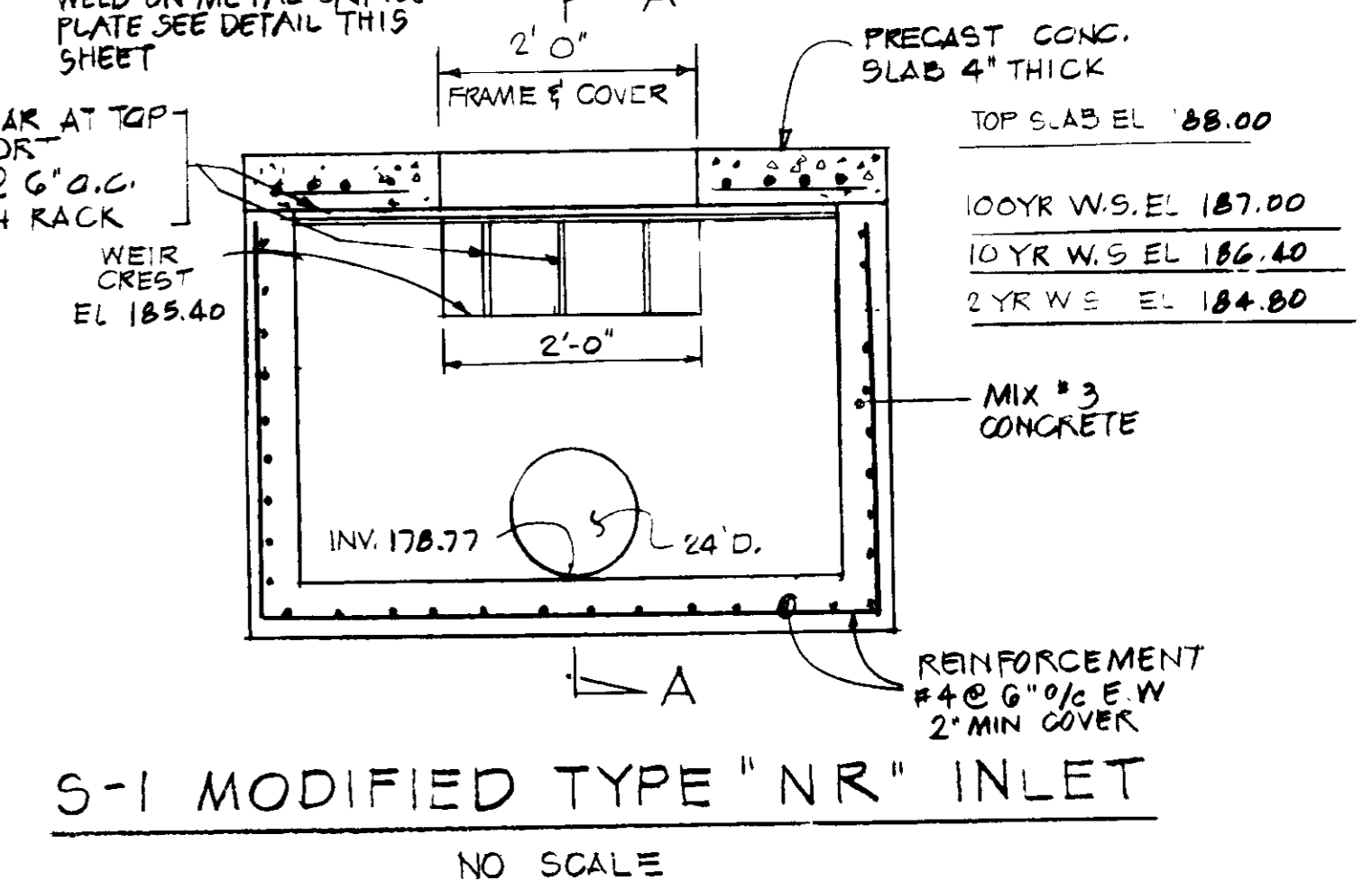
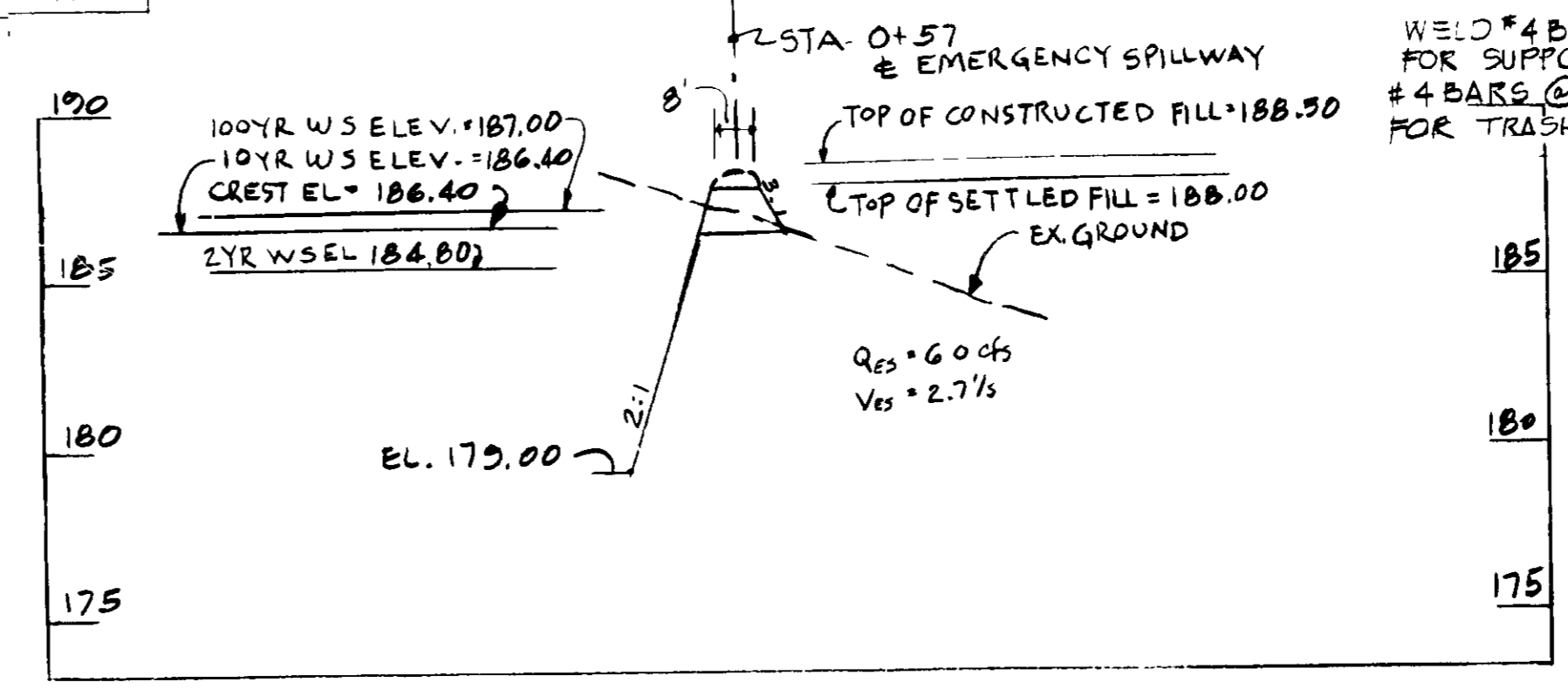
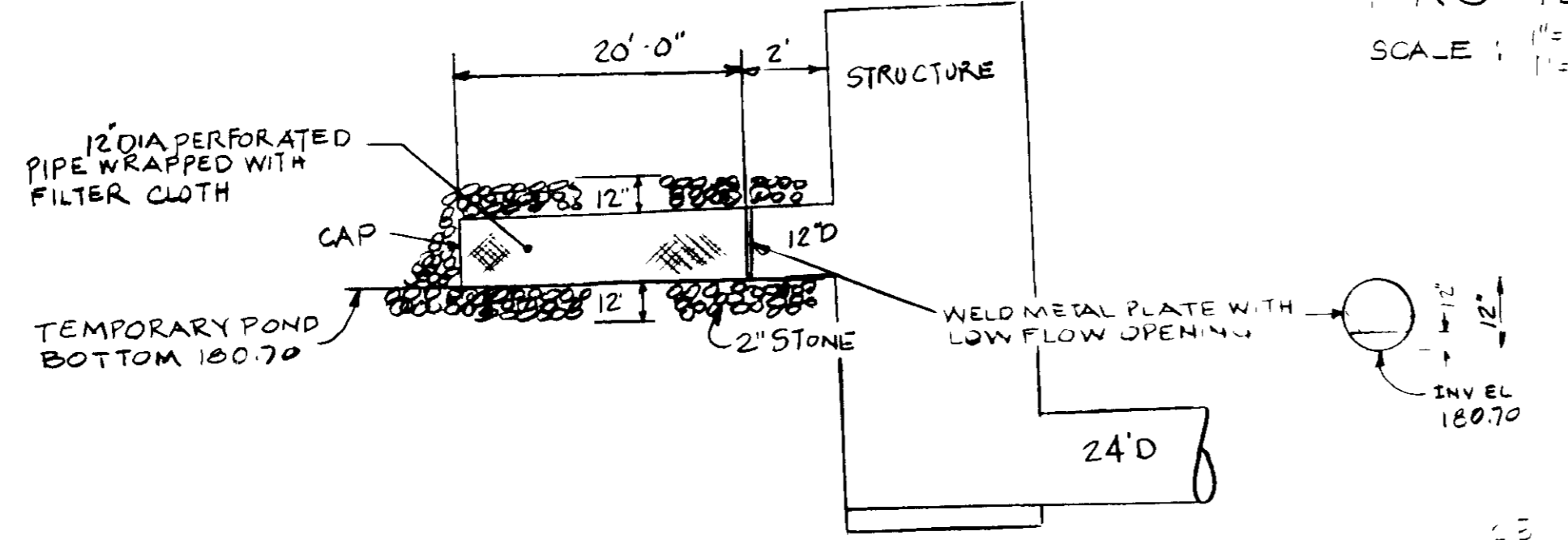
INLET SCHEDULE					
NO	TYPE	Q	INV OUT	TOP ELEV	REMARKS
I-1	"S" COMB	2.54	179.76	191.60	
I-2	"S" COMB	2.31	183.51	191.60	
I-3	"S" COMB	1.85	189.79	191.60	
I-4	DBL "S" GRATE	7.32	185.84	191.00	
I-5	DBL "S" COMB	3.31	191.60	198.00	



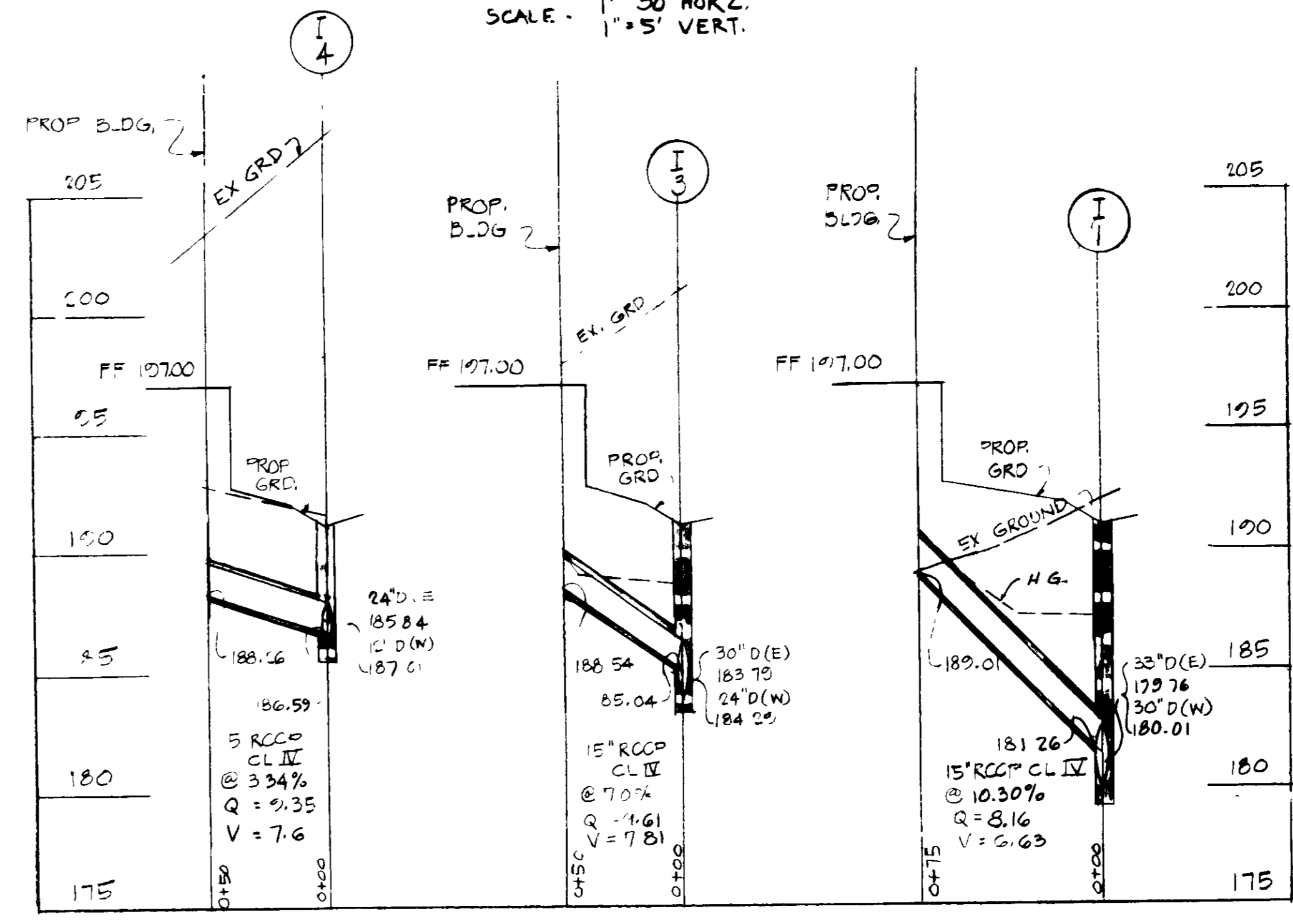
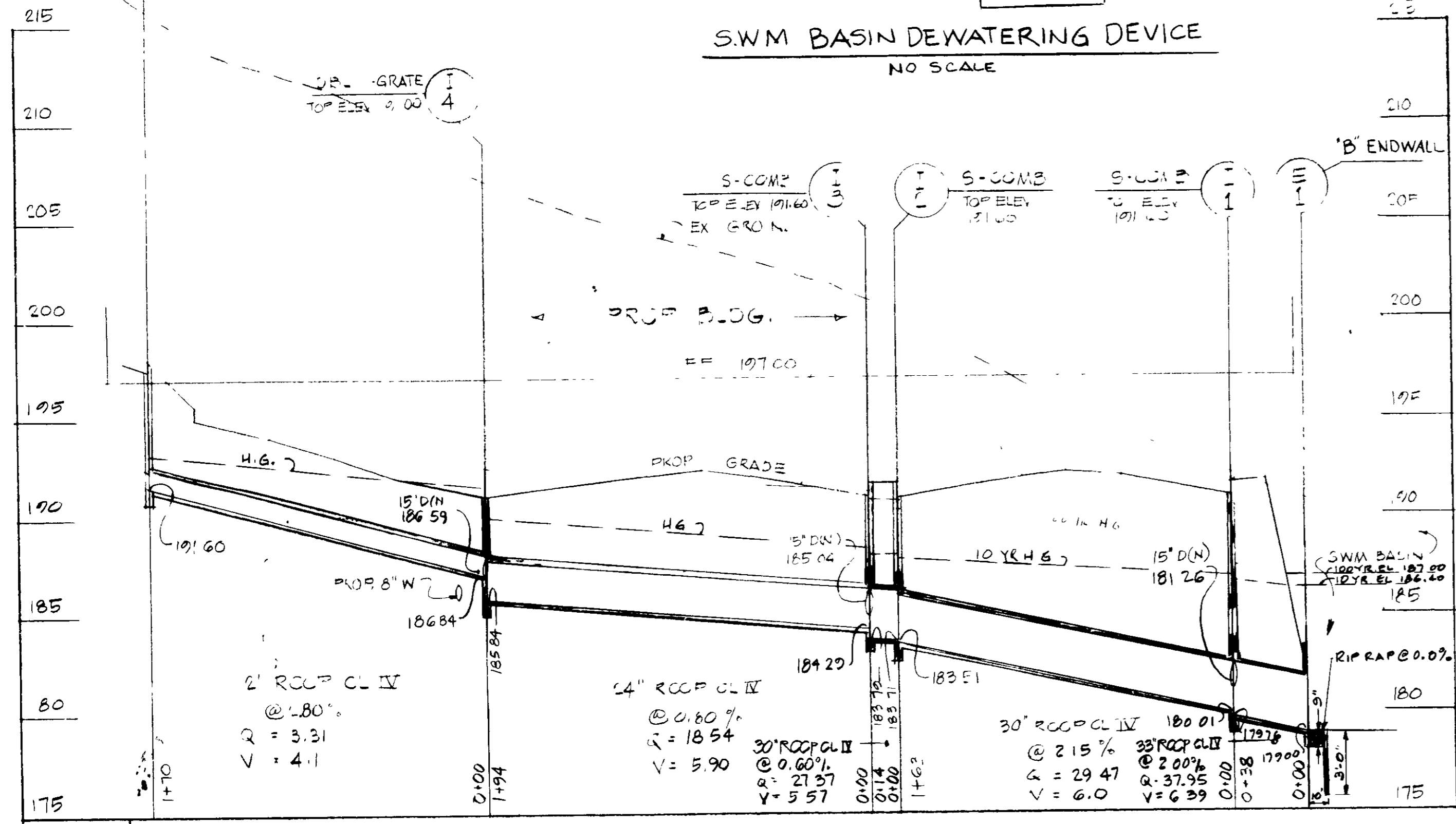
PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

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



EMERGENCY SPILLWAY SECTION B-B
SCALE: 1" = 30' HORZ.
1" = 5' VERT.



PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

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

[Signature] DIRECTOR DATE 9-25-89

[Signature] CHIEF BUREAU OF ENGINEERING DATE 9-25-89

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] COUNTY HEALTH OFFICER DATE 10-11-89

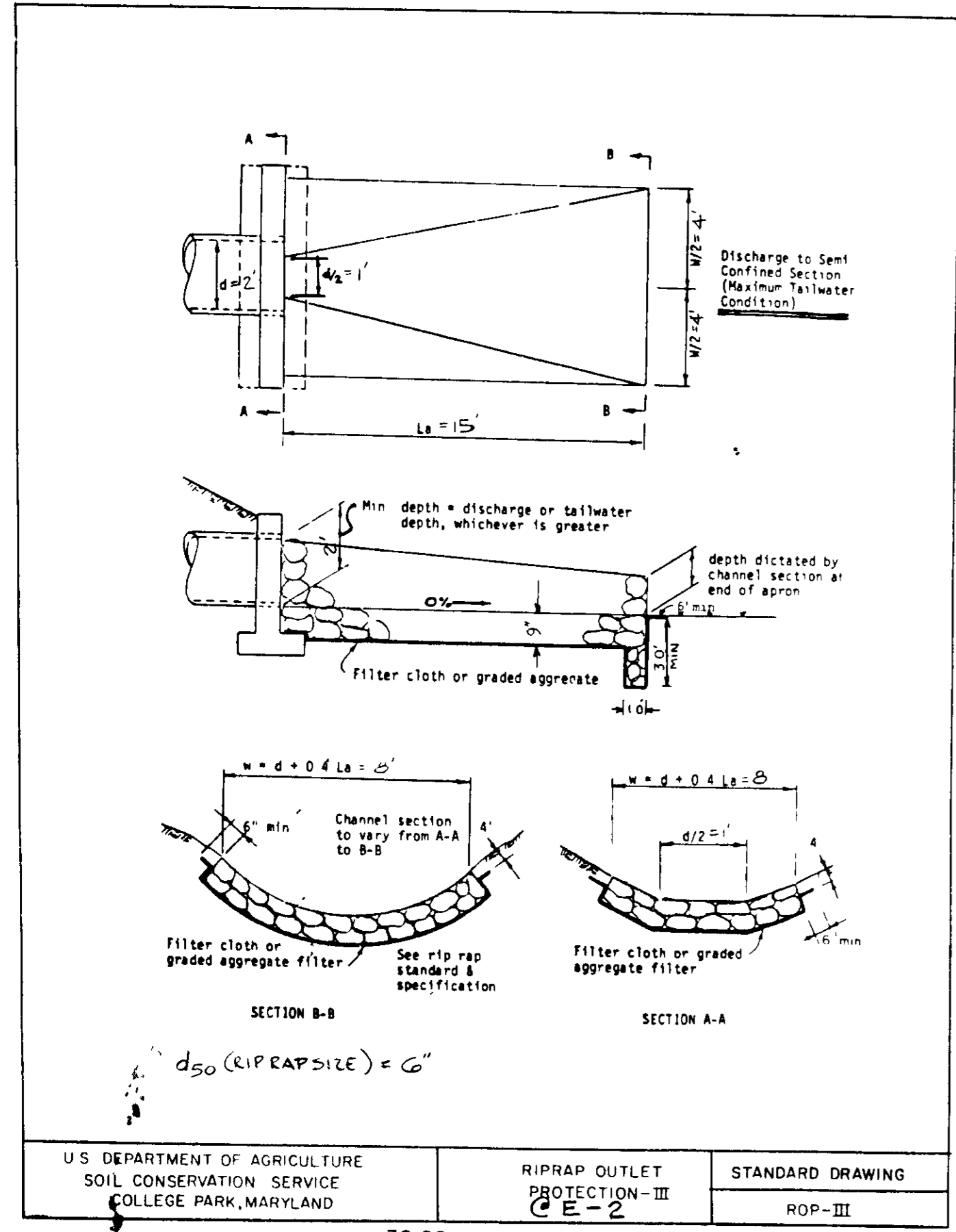
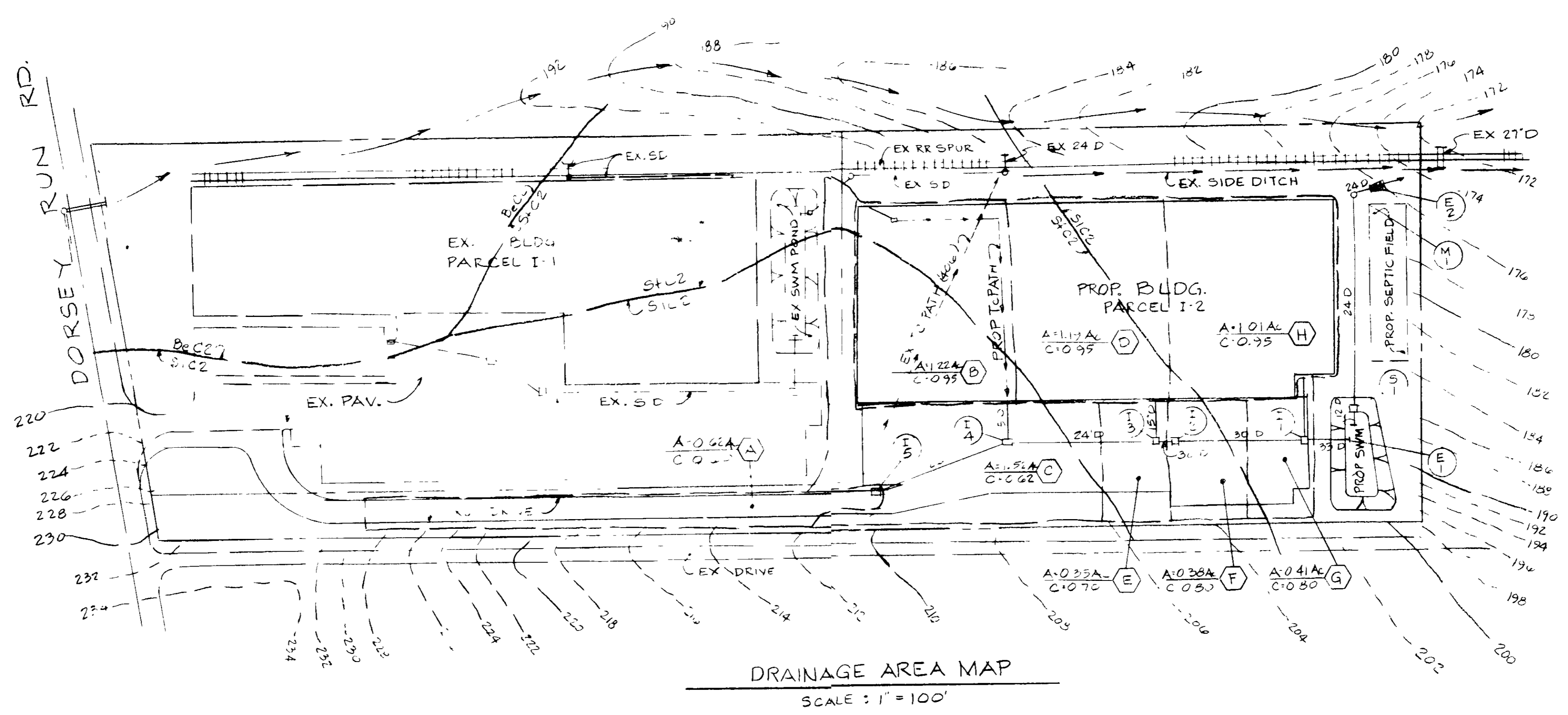
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] DIRECTOR DATE 10-12-89

[Signature] CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 10-12-89

FINAL PLAT 89-65
EX BUILDING SDP 77-07
EX BUILDING ADDITION TO SDP 88-171
FINAL PLAT 77-13

Drafting	DATE	REVISIONS	ENGINEER PAUL J. LEE ENGINEERING, INC. 304 W. BENTLEY AVE. TOWSON, MD 21286-1541	OWNER FRANK A. SERO AND SONS, INC. 8441 DORSEY RUN ROAD JESSUP, MARYLAND 20794	SUBDIVISION NAME HAMILTON TRACT A REBUD OF PARCEL 12	SECT./AREA BLOCK # 8 ZONE M2 TAX / ZONE MAP 48 ELECT DIST G	PARCEL # 12	PROFILES & DETAILS HAMILTON TRACT SUBDIVISION, I-2 SERO PROPERTY DORSEY RUN ROAD 6TH ELECTION DISTRICT HOWARD COUNTY, MD.	SHEET 2 OF 6	DATE OCT. 24, 1989 SCALE AS SHOWN	JOB NUMBER 88031
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U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
COLLEGE PARK, MARYLAND

RIPRAP OUTLET PROTECTION-III
CE-2

STANDARD DRAWING
ROP-III

38 09

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

[Signature] 10/8/89
DIRECTOR DATE

APPROVED
9-25-89

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 10-11-89
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 10.11.89
DIRECTOR DATE

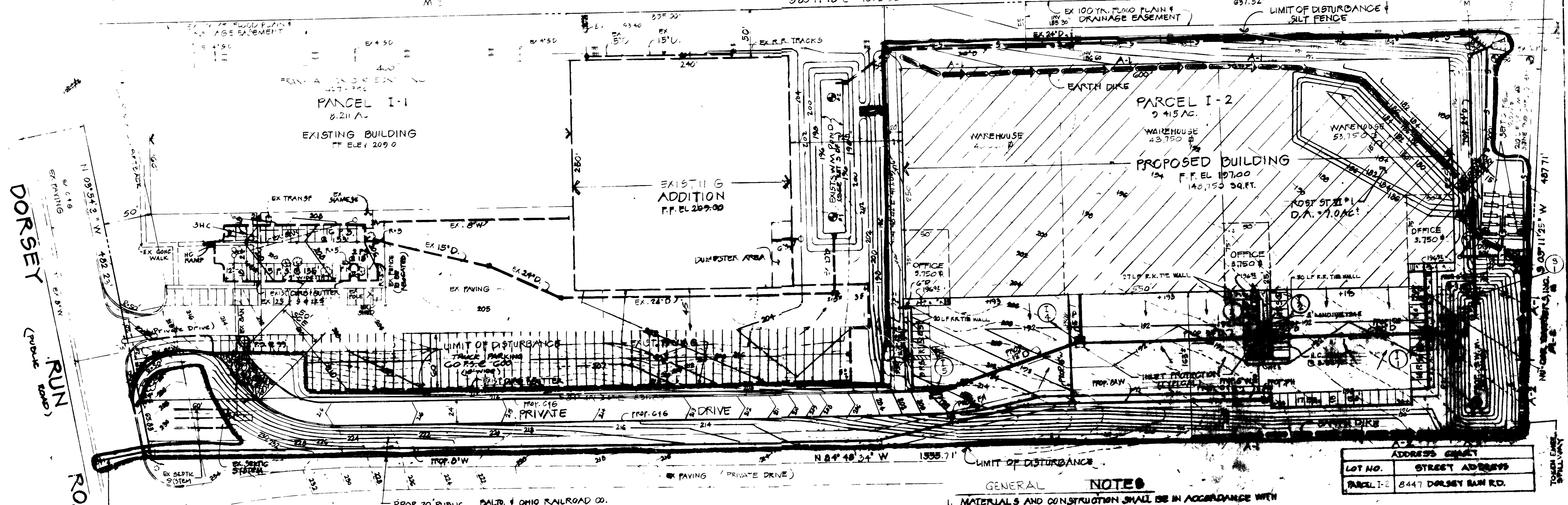
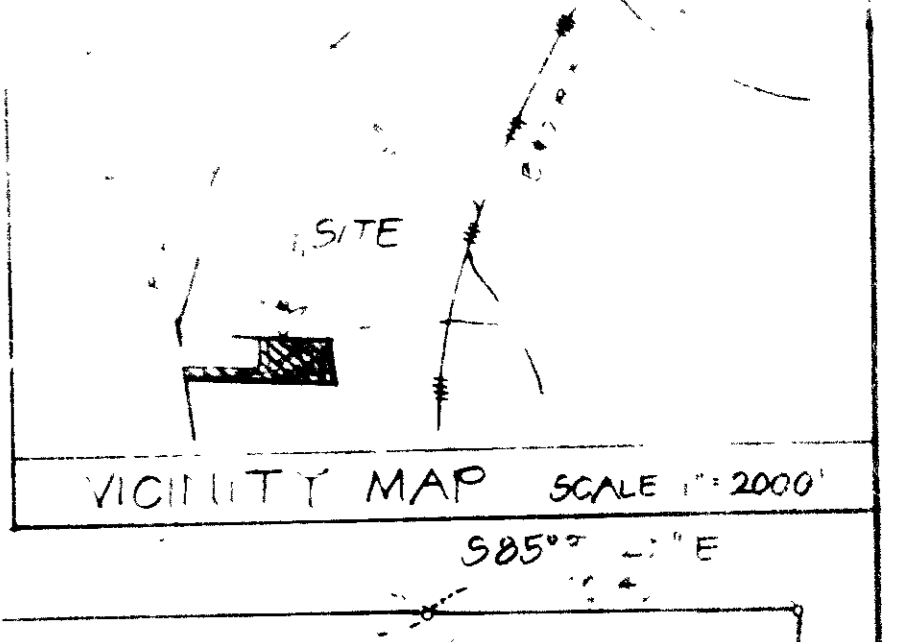
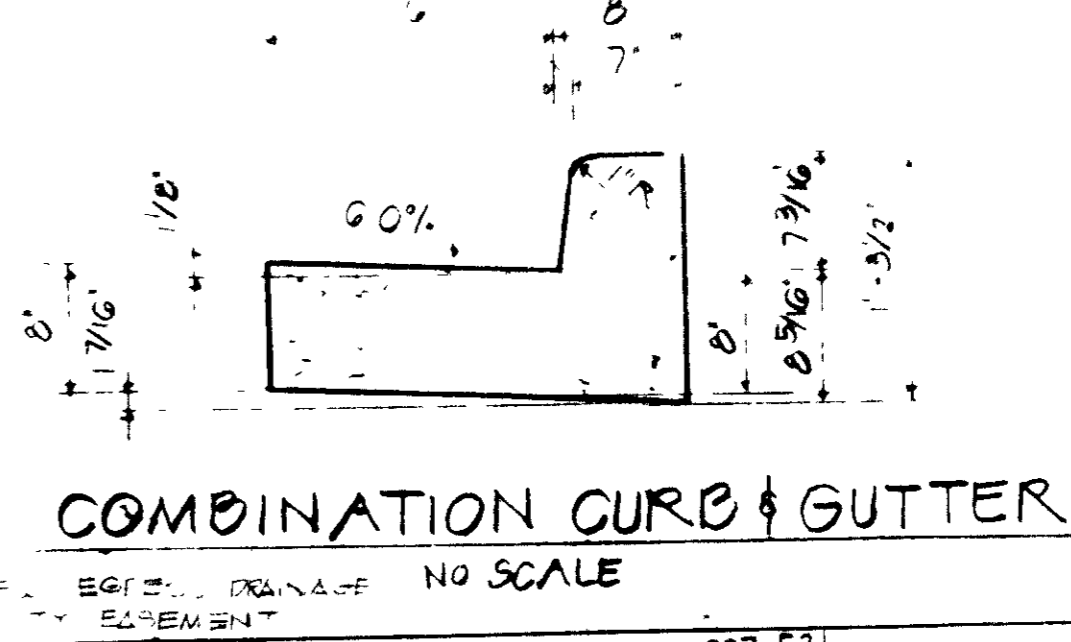
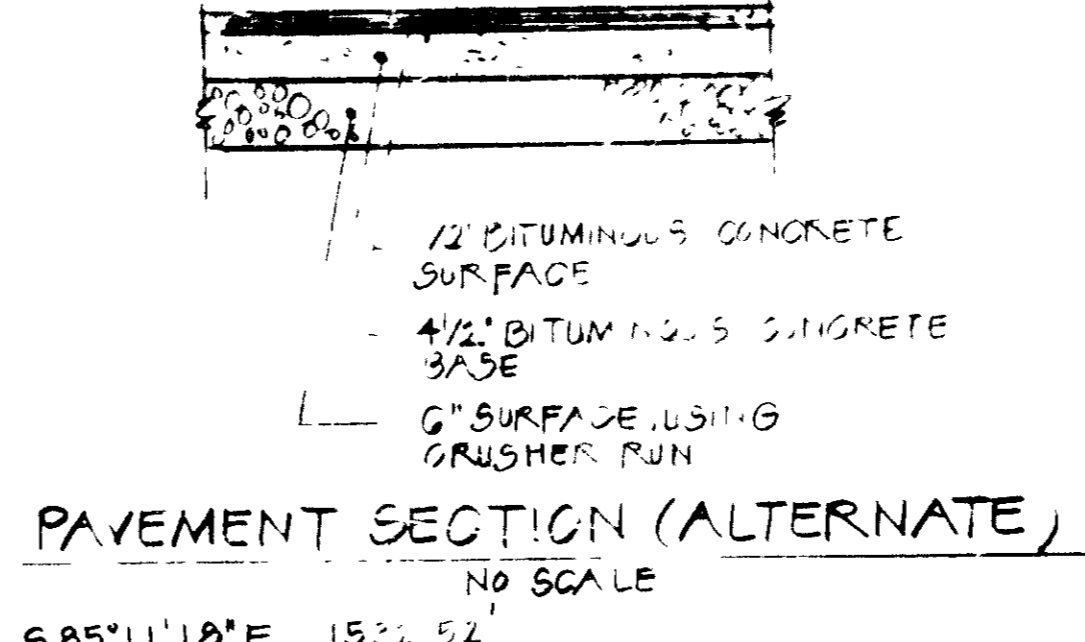
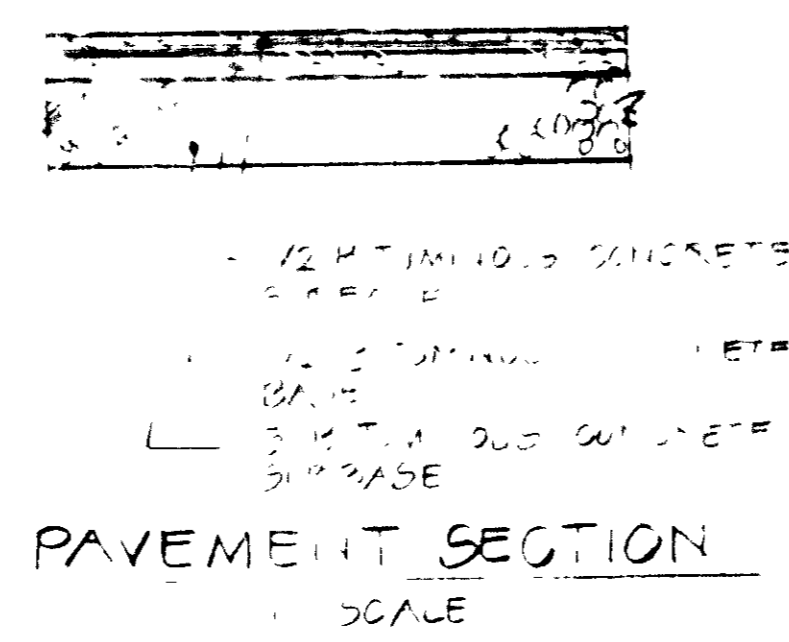
[Signature] 11/10/89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

FINAL PLAT 89-65
EX. BUILDING SDP 77-07
EX BUILDING ADDITION TO SDP 88-171
FINAL PLAT 77-13



Drawing	DATE	REVISIONS	<p style="text-align: center;">ENGINEER PAUL LEE ENGINEERING, INC. 304 W PENNSYLVANIA AVENUE TOWSON, MD 21204 TEL 821-5941</p>	<p style="text-align: center;">OWNER FRANK A SERIO AND SONS, INC 8441 DORSEY RUN ROAD JESSUP, MARYLAND 20794</p>	SUBDIVISION NAME HAMILTON TRACT A RESUB. OF PARCEL I	SECT./AREA -	PARCEL NO I-2	<p style="text-align: center;">DRAINAGE AREA MAP HAMILTON TRACT SUBDIVISION, I-2 SERIO PROPERTY DORSEY RUN ROAD 6TH ELECTION DISTRICT HOWARD COUNTY, MD</p>	SHEET 3	DATE SEPT. 8, 1989	JOB NUMBER 88031			
Check					PLAT OR L.P. 8815	BLOCK # 8	ZONE LMS		TAX 48	ELECTION DIST. 6	SEWERAGE TRACT 8864	OF 6	SCALE AS SHOWN	
Design					WATER CODE 802	SEWER CODE 4/A								
Check														

SDP-89-84



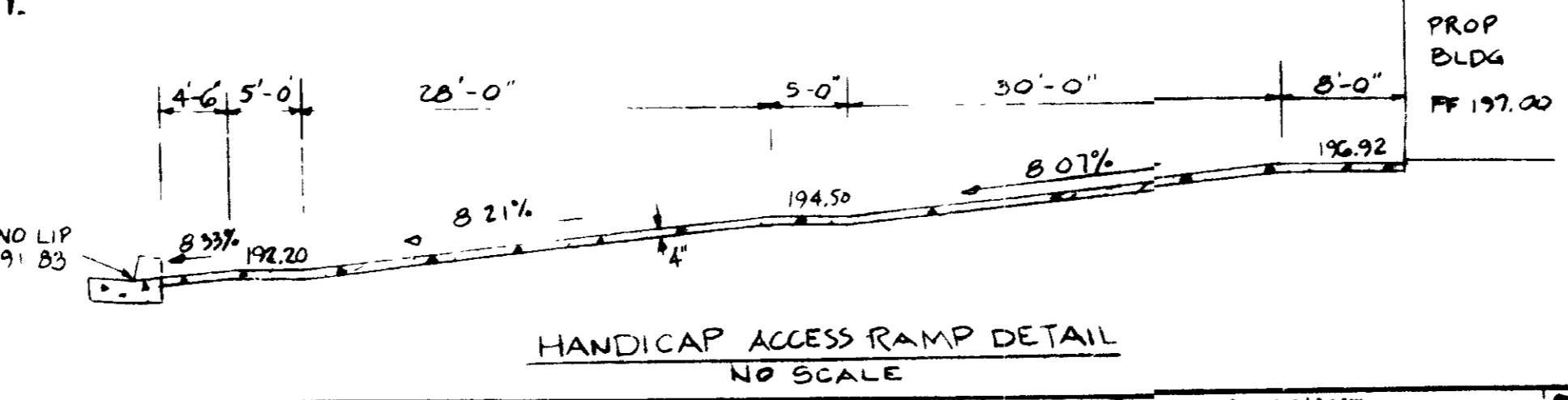
NOTE: CONTRACTOR SHALL DISTURB ONLY THAT LENGTH OF TRENCH THAT CAN BE STABILIZED AT END OF EACH WORKING DAY SO AS TO PREVENT SEDIMENT & WATER FROM ENTERING TRENCH EXCAVATION.

SEQUENCE OF OPERATIONS

1. NOTIFY HOWARD CO DEPT. OF PERMITS AND LICENSES SEDIMENT CONTROL DIVISION AT LEAST 48 HOURS PRIOR TO BEGINNING WORK
2. CLEAR AND GRUB FOR SEDIMENT & EROSION CONTROL MEASURES OR DEVICES ONLY.
3. INSTALL ALL SEDIMENT & EROSION CONTROL MEASURES AND DEVICES, INCL SED. TRAP
4. NOTIFY HOWARD CO. DEPT. OF PERMITS AND LICENSES, SEDIMENT CONTROL DIVISION, UPON COMPLETION OF SAID INSTALLATION.
5. WITH THE APPROVAL OF HOWARD CO DEPT. OF PERMITS & LICENSES AND THE SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB REMAINDER OF SITE.
6. ROUGH GRADE SITE
7. BUILDING CONSTRUCTION PHASE INCLUDING SWM FACILITY
8. SWM FACILITY IS TO ACT AS SEDIMENT TRAP AFTER RUNOFF IS REDIRECT TO IT THROUGH THE STORM DRAIN SYSTEM OR BY SURFACE CONVEYANCE. PHASE OUT RIPRAP TRAP SYSTEM.
9. FINE GRADE & STABILIZE ALL AREAS DISTURBED BY CONSTRUCTION.
10. WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED BY PAVING BUILDINGS & WALK OR BY METHODS PRESCRIBED IN "STANDARDS & SPECIFICATIONS FOR EROSION & SEDIMENT CONTROL IN DEVELOPING AREAS" ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITH PERMISSION OF SEDIMENT CONTROL INSPECTOR. STABILIZE ALL REMAINING AREAS AFTER SEDIMENT CONTROL MEASURES ARE REMOVED. CONSTRUCT WATER QUALITY POOL.

RIPRAP OUTLET SEDIMENT TRAP ST XI #1

DRAINAGE AREA =	7.0 AC ±
STORAGE REQ'D =	12,600 CF
STORAGE SHOWN =	12,600 CF
STONE WEIR CREST ELEV. =	103.00'
EXIST. GROUND @ WEIR =	104.00'
BOTTOM ELEV. =	100.00'
BOTTOM DIM =	15' x 160'
CLEANOUT ELEV. =	101.00'
EMBANKMENT ELEV. =	106.00'
a	1.5'
b	12.0'
SIDE SLOPES 2:1	



GENERAL NOTES

1. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE STARTING CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY THE GAS & ELECTRIC COMPANY FIVE DAYS PRIOR TO STARTING WORK SHOWN ON THESE PLANS BY CALLING "BESS UTILITY" AND REQUEST 1-559-0100.
4. THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL UTILITIES FOR ALL PROPOSED WATER LINES.
5. THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL EXISTING ALL WATER, SEWER AND STORM DRAIN SYSTEMS.
6. THE CONTRACTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING INSPECTION SURVEY DRAWING 28 FROM THE HOWARD COUNTY DEPARTMENT OF WORK AT \$52.2417 OR 922-2417.
7. ALL REINFORCED CONCRETE PIPES SHALL BE PER HOWARD COUNTY STANDARD 8-311.
8. HANDICAPPED PARKING SIGN SHALL CONFORM TO MARYLAND BUILDING CODE FOR THE HANDICAPPED, BOTTOM EDGE OF SIGN MINIMUM 7'-6" MIN. ABOVE GRADE. ADDITIONAL SIGN DISPLAYING AMOUNT OF FINE SHALL BE MOUNTED NO LOWER THAN 7'-0" ABOVE GRADE (HOWARD CO. COUNCIL BILL 55-84)
10. SHADED AREA DENOTES NEW PAVEMENT.

ADDRESS CHECK	
LOT NO.	STREET ADDRESS
PARCEL I-2	8447 DORSEY RUN RD.

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

[Signature]
DIRECTOR

APPROVED FOR PUBLIC WATER SYSTEMS AND PRIVATE SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

[Signature]
COUNTY HEALTH OFFICER

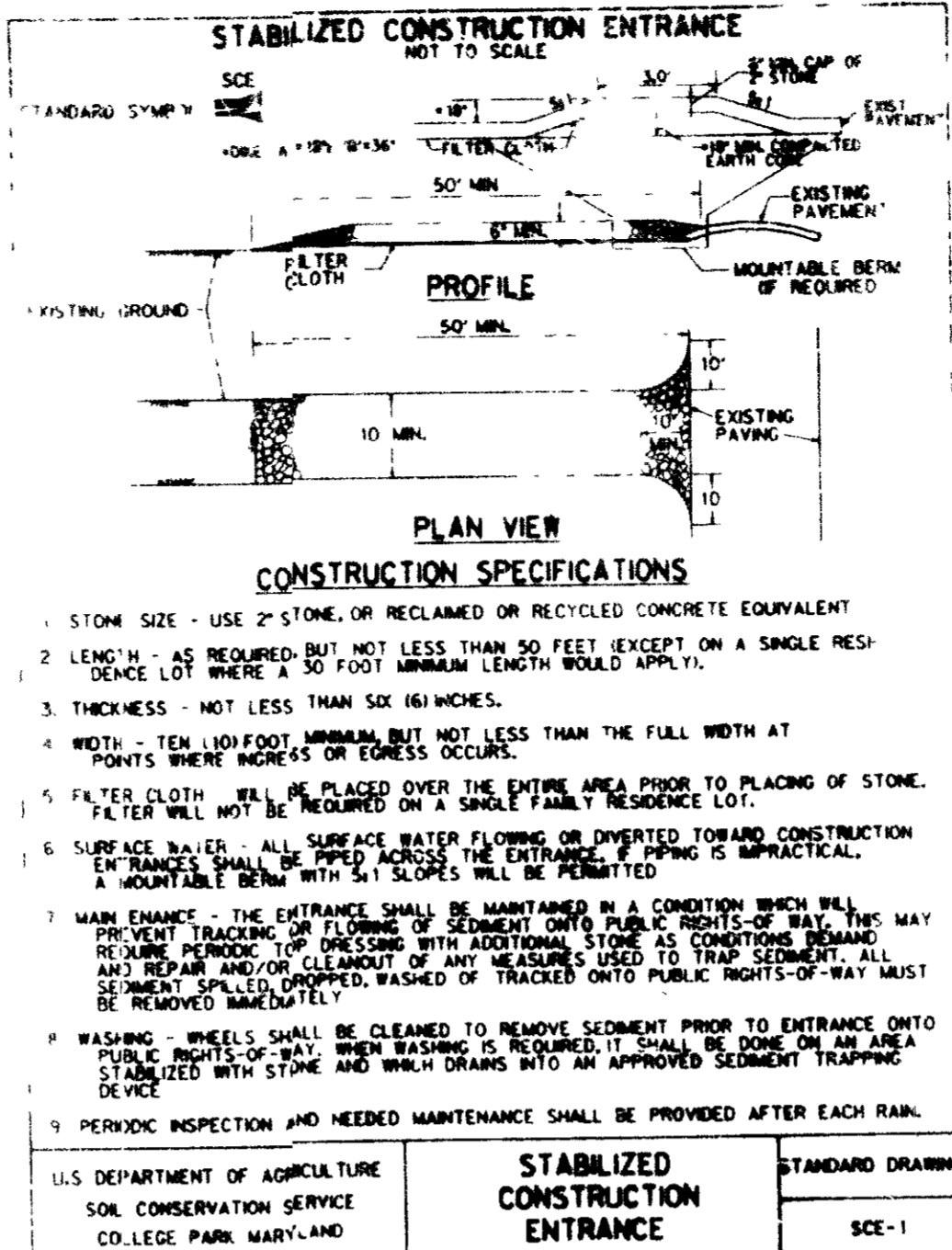
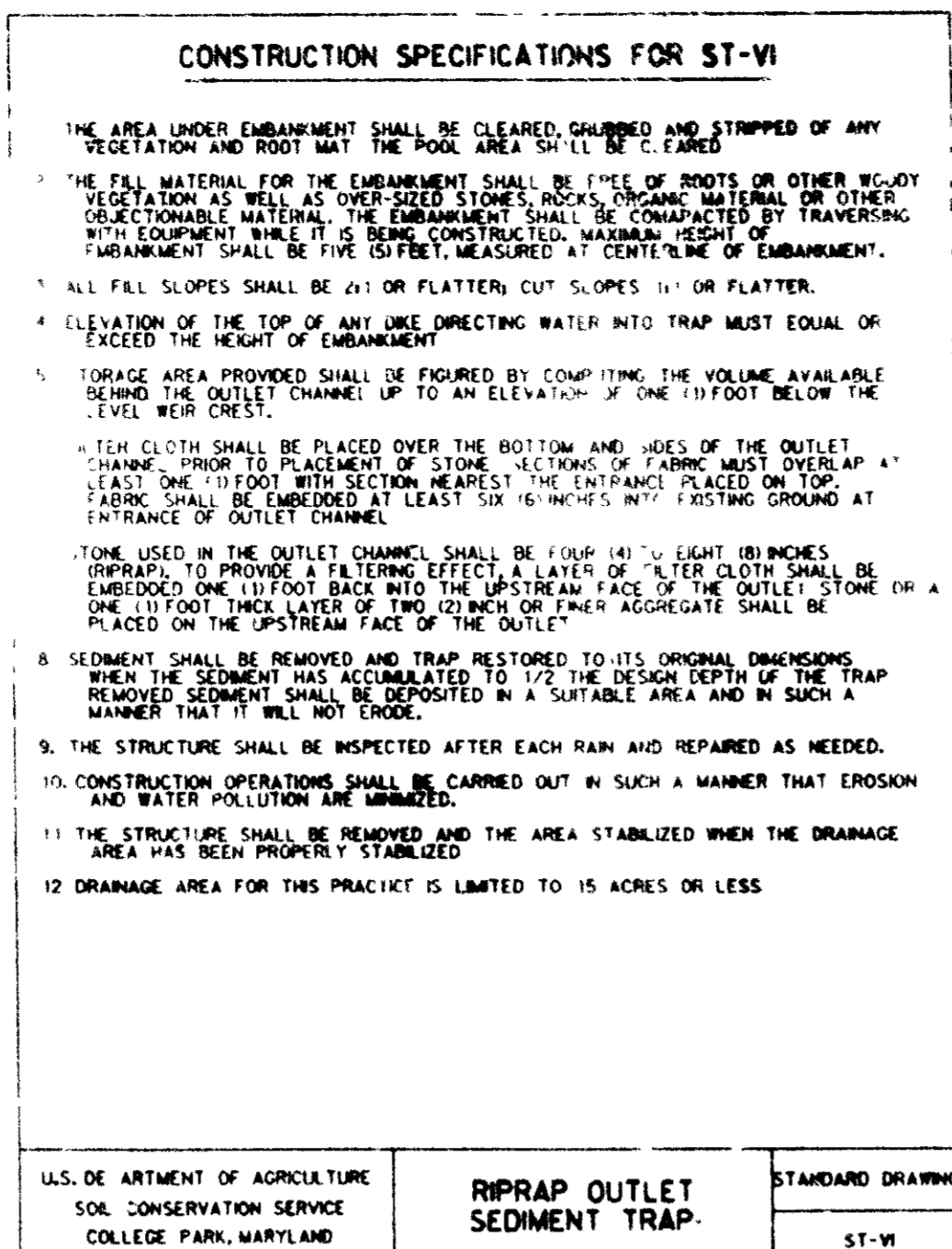
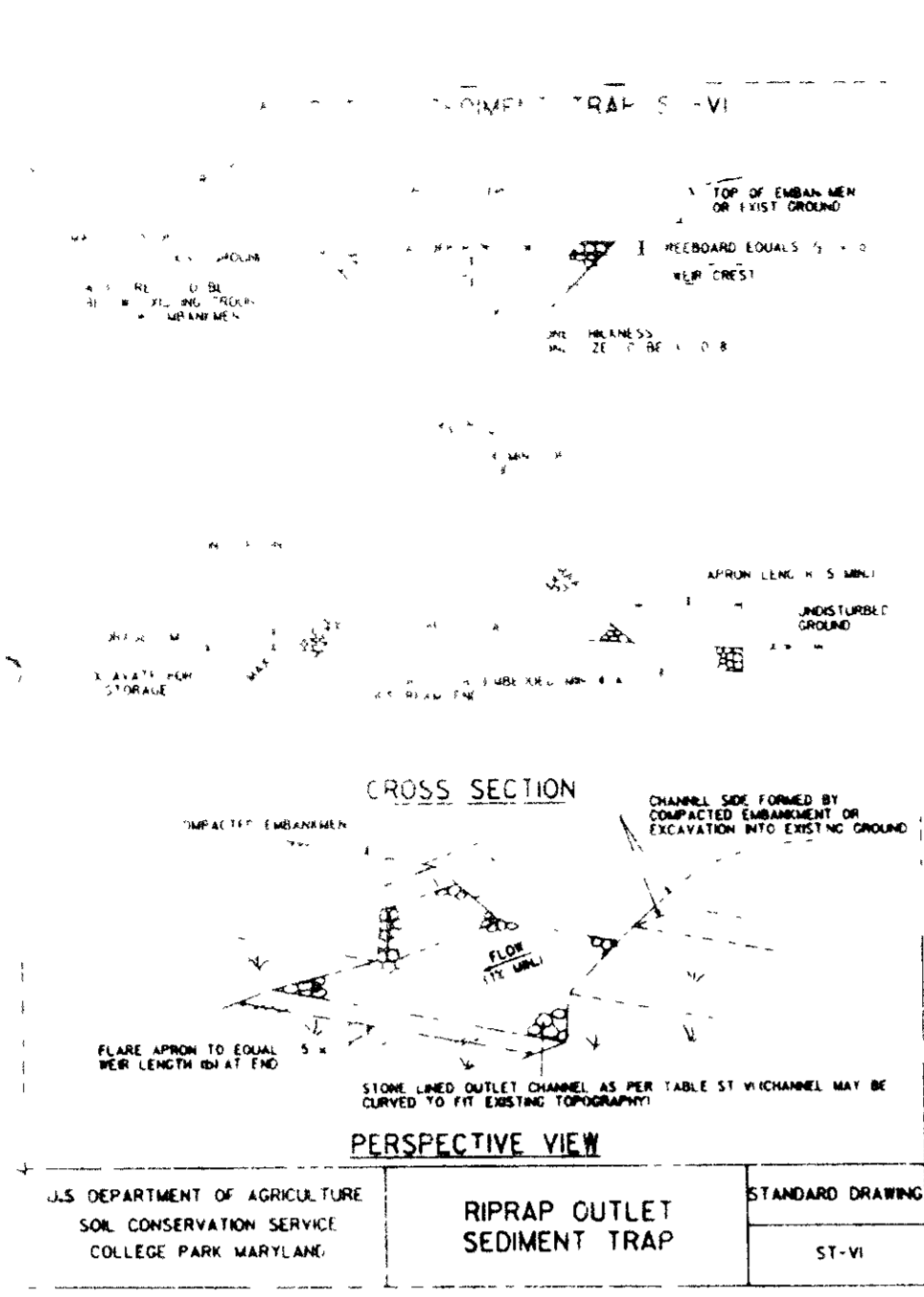
APPROVED FOR PLANNING AND ZONING
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature]
DIRECTOR

APPROVED
DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
9-25-89

FINAL PLAT 89-65
EX. BUILDING SDP 77-07
EX. BUILDING ADDITION TO SDP 88-71
FINAL PLAT 77-13

ENGINEER PAUL LEE ENGINEERING, INC. 304 W. PENNSYLVANIA AVENUE TOWSON, MD 21204 TEL 821-5941	OWNER: FRANK A. SERIO and SONS, INC 8441 DORSEY RUN ROAD JESSUP, MARYLAND 20794	PROJECT NAME SEDIMENT CONTROL PLAN HAMILTON TRACT SUBDIVISION, PARCEL I-2 SERIO PROPERTY DORSEY RUN ROAD 6TH ELECTION DISTRICT HOWARD COUNTY, MD.	DATE OCT 12, 1989	SCALE 1" = 50'	JOB NUMBER SDP 89-84
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() By the Developer:

"I do hereby certify that all development and/or construction will be done according to these plans, 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 beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

Richard E. Beckwith 9/4/89
Signature of Developer Date
Print name below signature

() By the Engineer:

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."

Robert J. Zehn 9-15-89
Signature of Engineer Date
Print name below signature

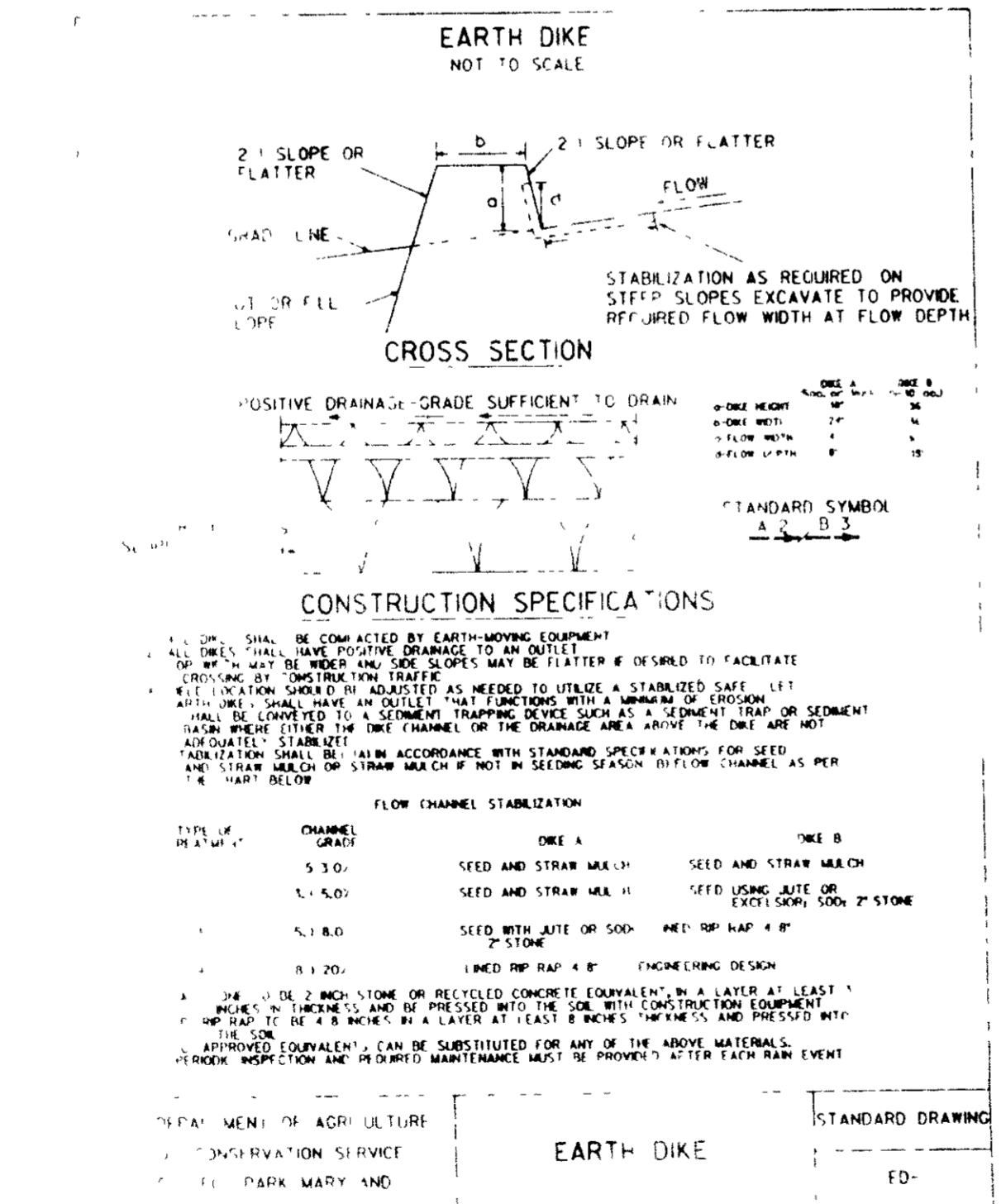
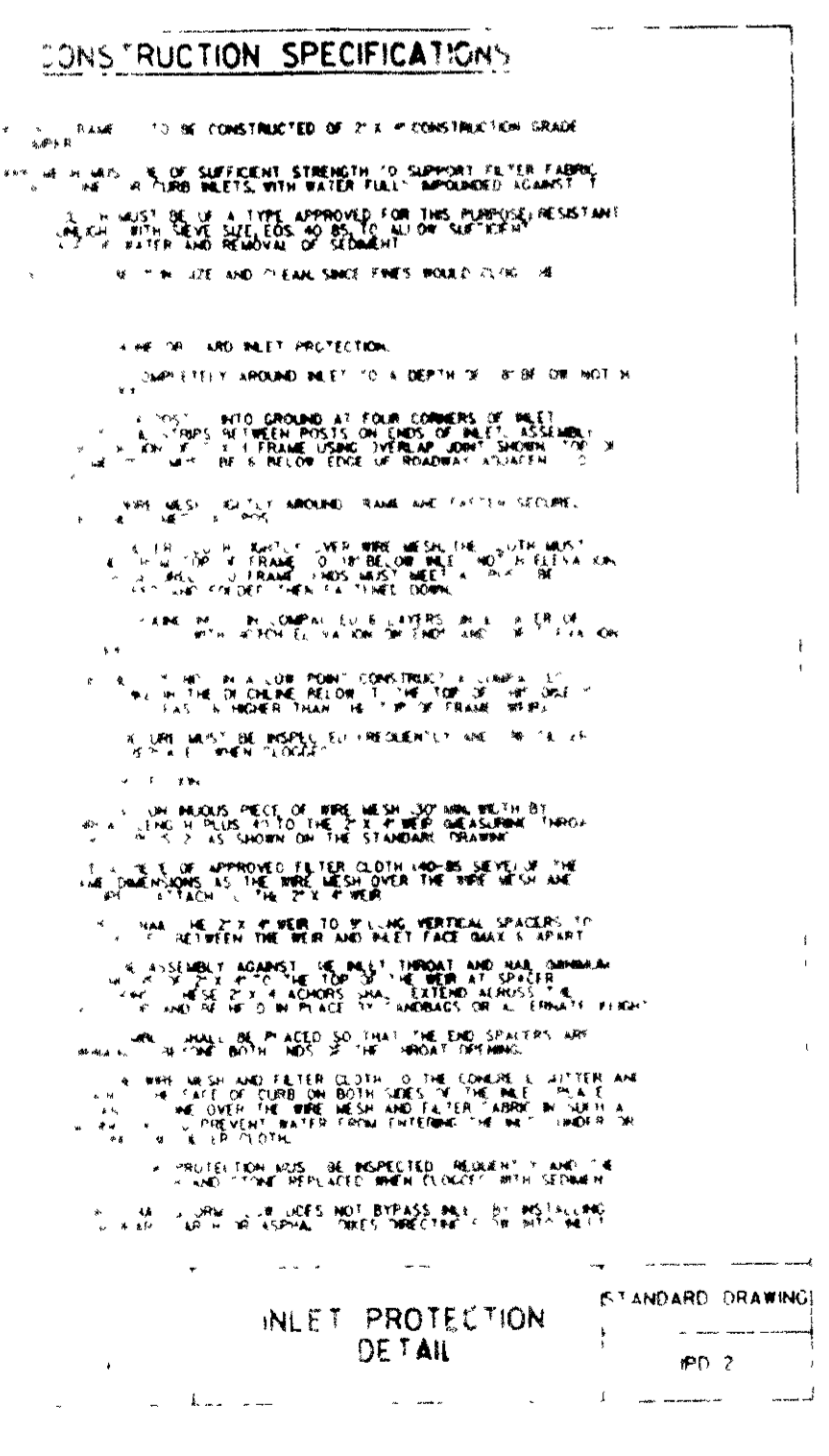
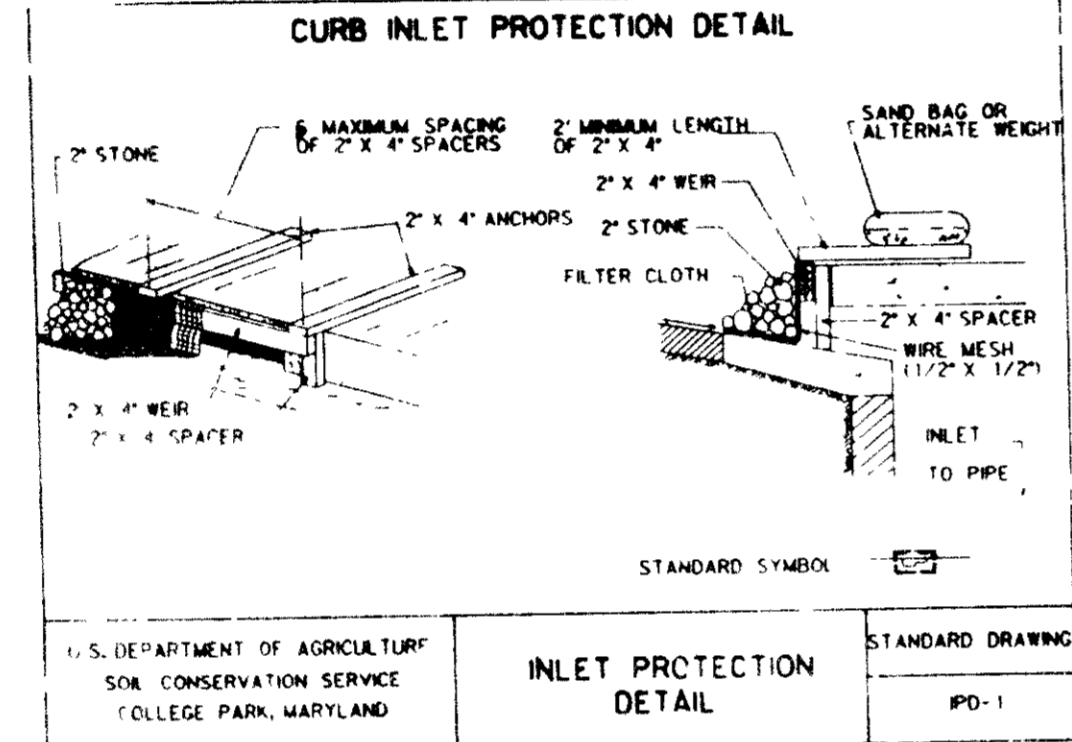
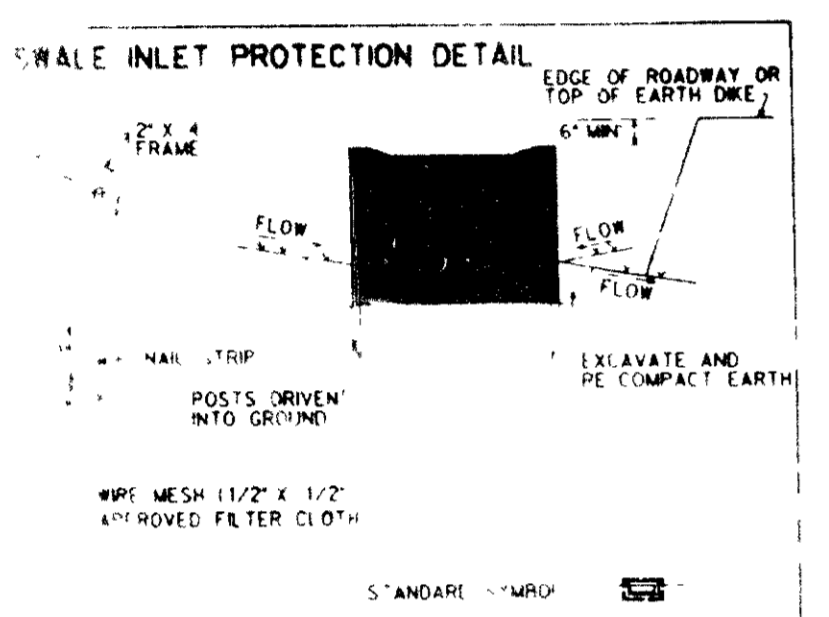
() These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

Robert J. Zehn 9-15-89
Signature of District Representative Date
Print name below signature

() These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Robert J. Zehn 9-15-89
Signature of District Representative Date
Print name below signature

- Minimum 1/2" mesh silt fence shall be installed prior to the start of any construction activity (9-2-87).
- All vegetative and structural controls shall be installed according to the specifications of the plan and are to be constructed in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all disturbed sediment control structures, dikes, embankments and all slopes greater than 3:1. b) 14 calendar days for all other disturbed or graded areas on the project site.
- All sediment traps/basins shall be cleaned and posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY 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 EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 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 _____ Acres
Area Disturbed _____ Acres
Area to be roofed or paved _____ Acres
Area to be vegetatively stabilized _____ Acres
Total Cut _____ Cu. Yds
Total Fill _____ Cu. Yds
Offsite waste/borrow area location _____ REQUIRED
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, copies of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, proceeding with any other earth disturbance or grading. Grading or grading approvals may not be authorized without this initial approval by the inspection agency is made.



ALTA PREPARATION

AREAS DESIGNATED FOR BORROW AREAS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL. ALL TREES, VEGETATION, ROCKS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED.

AREAS TO BE COVERED BY THE POND OR RESERVOIR SHALL BE CLEARED OF ALL TREES, BRUSH, LOGS, STUMPS, RUBBISH AND OTHER OBJECTIONABLE MATERIAL. BRUSH AND OTHERS SHALL BE CUT APPROXIMATELY LEVEL WITH THE GROUND SURFACE.

ALL CLEARED AND GRUBBED MATERIAL SHALL BE DEPOSITED OUTSIDE THE LIMITS OF THE DAM AND RESERVOIR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.

SOIL FILL

MATERIAL

THE FILL MATERIAL SHALL BE FREE FROM APPROVED OR DISAPPROVED BORROW AREAS OR AREAS THAT SHALL BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, OVERSIZE ROCKS, FROZEN OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE CONSTRUCTED TO THE DESIGN ELEVATION WHICH SHALL BE SHOWN ON THE ANTICIPATED EMBANKMENT TO THE DESIGN ELEVATION.

PLACEMENT

AREAS ON WHICH FILL IS TO BE PLACED SHALL BE RECLASSIFIED PRIOR TO PLACEMENT OF FILL. FILL MATERIAL SHALL BE PLACED IN 12-INCH MAXIMUM THICKNESS (BEFORE COMPACTION) LAYERS WHICH ARE TO BE COMPACTED OVER THE ENTIRE SURFACE OF THE LAYER. THE MOST ROBUST EQUIPMENT AVAILABLE SHALL BE PLACED IN THE DOWNSTREAM PORTIONS OF THE EMBANKMENT.

CONSTRUCTION

THE MOVEMENT OF THE HOLES AND SPREADING EQUIPMENT OVER THE FILL SHALL BE CONTROLLED SO THAT THE ENTIRE SURFACE OF EACH LAYER IS COMPACTED TO 95 PERCENT OF LABORATORY SPECIFICATION FOR EQUIVALENT ASTM SPECIFICATION DENSITY AND CERTIFIED BY THE INSPECTOR. FILL MATERIAL MUST CONTAIN ENOUGH MOISTURE TO ELUIC THE MOISTURE DEGREE OF CONTACT WITH THE EQUIPMENT USED.

CUTOFF TRENCH

WHERE SPECIFIED, A CUTOFF TRENCH SHALL BE EXCAVATED ALONG OR PARALLEL TO THE CENTERLINE OF THE EMBANKMENT AS SHOWN ON THE PLANS. THE BOTTOM WIDTH OF THE TRENCH SHALL BE SHOWN ON THE PLANS. THE DEPTH SHALL BE AT LEAST FOUR FEET OR AS NOTED ON THE PLANS. THE SIDE SLOPES OF THE TRENCH SHALL BE 1:1 TO 1 1/2:1 AFTER THE CUTOFF TRENCH SHALL BE COMPLETED. THE SIDE SLOPES OF THE TRENCH SHALL BE COMPACTED WITH THE EQUIPMENT USED TO REPAIR MAINTENANCE AND MINIMUM PERMEABILITY SHALL BE MAINTAINED.

STRUCTURAL BACKFILL

BACKFILL MATERIAL SHALL BE OF THE TYPE AND QUALITY SPECIFIED. THAT SPECIFIED FOR THE BODDINGING FILL MATERIAL. THE FILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED FOUR INCHES IN THICKNESS AND SHALL BE PLACED IN THE ADJACENT TO THE STRUCTURE. THE MATERIAL SHALL BE PLACED IN THE ADJACENT TO THE STRUCTURE. THE MATERIAL SHALL BE PLACED IN THE ADJACENT TO THE STRUCTURE. THE MATERIAL SHALL BE PLACED IN THE ADJACENT TO THE STRUCTURE.

PIPE CONCRETE

ALL PIPES SHALL BE CIRCULAR IN CROSS SECTION.

CONCRETE VITAL PIPE

MATERIALS - STEEL PIPE - THIS PIPE AND THE APPROXIMATE SIZE OF THE COVER SHALL BE SHOWN ON THE PLANS.

POLY BITUMINOUS COATING AND SMALL CONCRETE

THE REQUIREMENTS OF LABORATORY SPECIFICATION M-190 TYPE "A" WITH INTERPOLYMER COATING SHALL BE APPLIED TO ALL BITUMINOUS COATING DAMAGED OR OTHERWISE DEFECTIVE. POLYMER COATING SHALL BE APPLIED TO ALL BITUMINOUS COATING DAMAGED OR OTHERWISE DEFECTIVE.

CONNECTIONS - ALL CONNECTIONS WITH PIPES MUST BE COMPLETELY WEATHERTIGHT. THE JOINTS OF ALL PIPES AND CONNECTIONS TO THE PIPE SHALL BE WELDED ALL AROUND WITH THE PIPE AND PIPES ARE METAL. WATERPROOF JOINTS, GASKETS OR FLANGES SHALL BE USED AT ALL JOINTS. IMPT-BEEP COLLARS SHALL BE CONNECTED TO THE PIPE IN SUCH A MANNER TO BE COMPLETELY WEATHERTIGHT. SIMILAR GASKETS ARE NOT CONSIDERED TO BE WEATHERTIGHT.

SEEDING - THE PIPE SHALL BE FIRMLY AND UNIFORMLY SEEDED THROUGHOUT ITS ENTIRE LENGTH. WHERE SEEDS OR ROOTS, ERUPTION OR OTHER UNDESIRABLE SOIL IS ENCOUNTERED, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE BATH COMPACTED TO THE DESIGN ELEVATION.

LAYING - THE PIPE SHALL BE PLACED WITH INSIDE CIRCUMFERENTIAL LAPS POINTING DOWNSTREAM AND WITH 78" LONGITUDINAL LAPS AT THE SIDES.

OTHER DETAILS (IMPT-BEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

CONCRETE

CONCRETE MUST MEET MINIMUM REQUIREMENTS SET FORTH IN THE HOWARD COUNTY MANUAL, CHAPTER 12, SECTION 12.01. ALL CONCRETE SHALL BE REINFORCED WITH STEEL. THE REINFORCEMENT SHALL BE AS SHOWN ON THE PLANS.

STABILIZATION

ALL BORROW AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LEFT IN A SIGHTLY CONDITION. ALL EXPOSED SURFACES OF THE EMBANKMENT, EROSION AND BORROW AREAS, AND SEEDS SHALL BE STABILIZED BY SEEDING, LIMING, FERTILIZING AND MULCHING (IF REQUIRED) IN ACCORDANCE WITH THE PREVIOUS TREATMENT SPECIFICATIONS OR AS SHOWN ON THE ANTICIPATED DRAINAGE.

EROSION AND SEDIMENT CONTROL

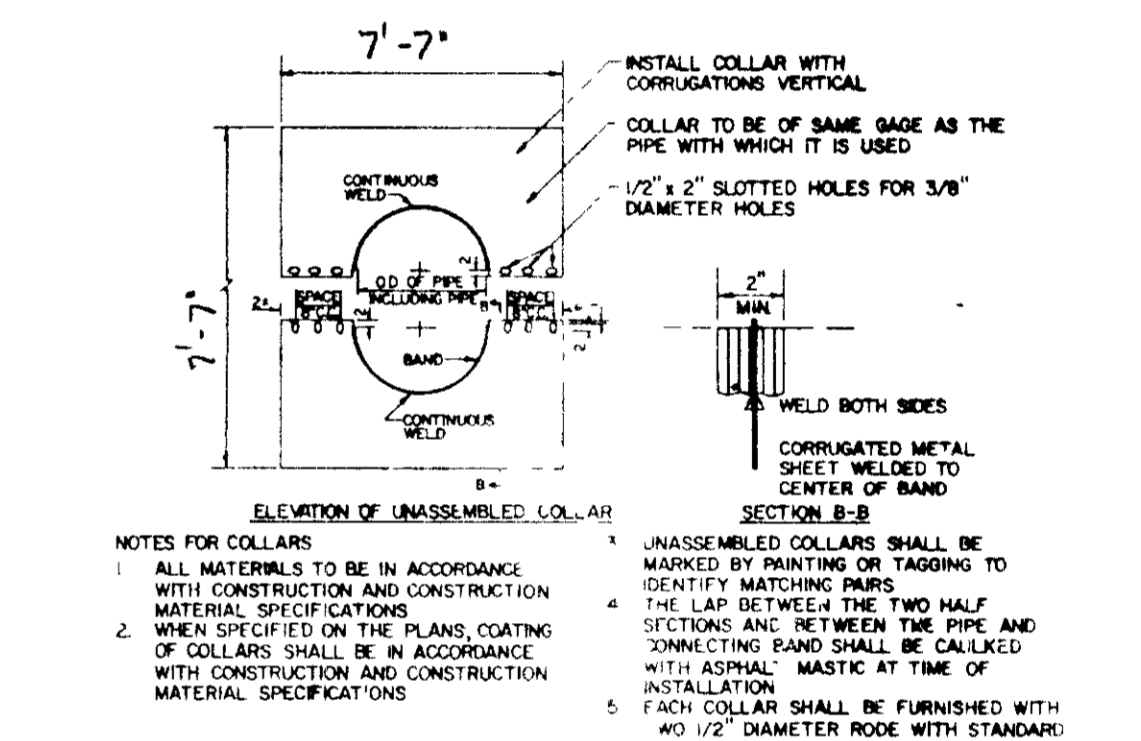
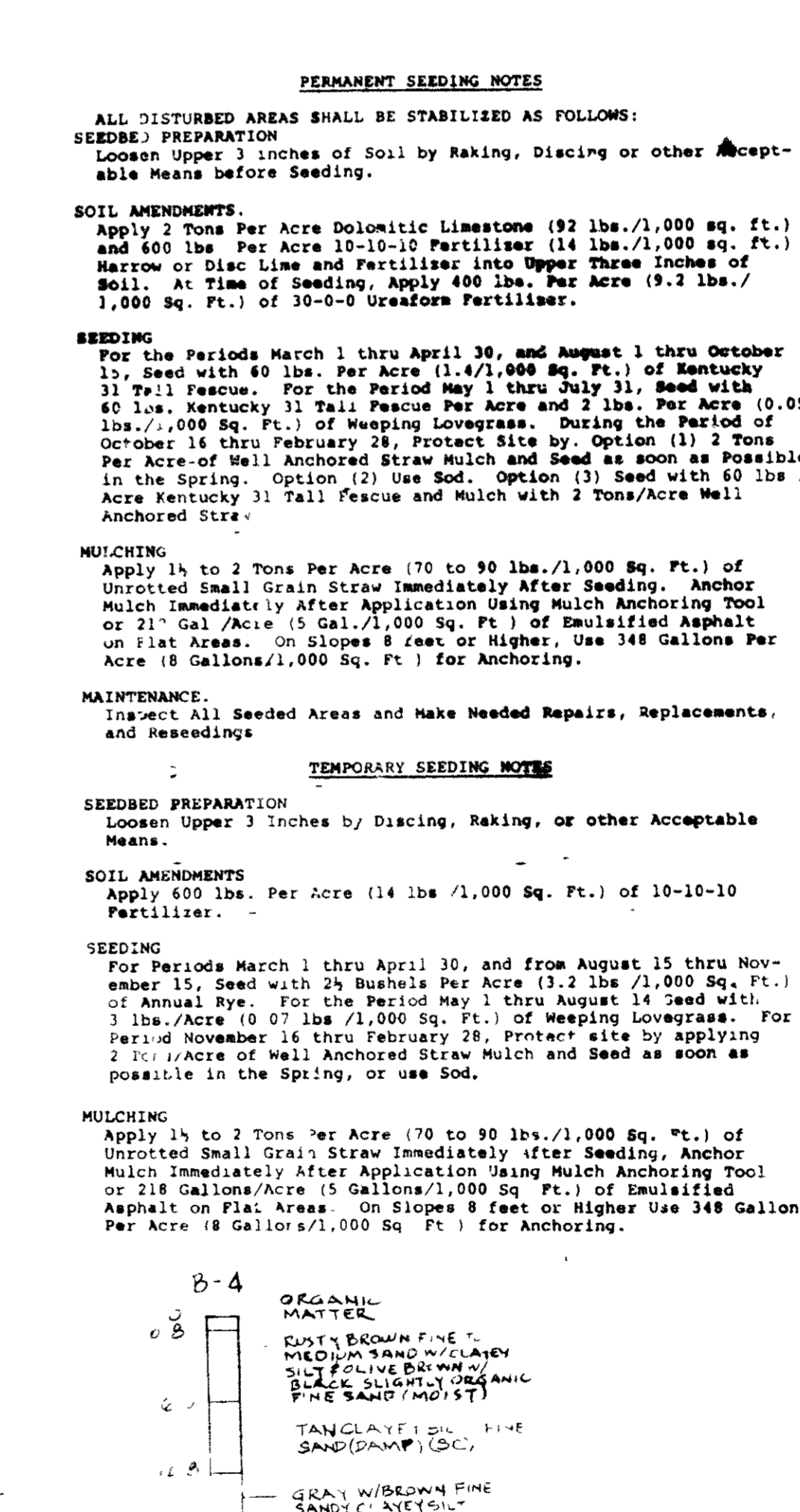
CONSTRUCTION OPERATIONS WILL BE LAID OUT IN SUCH A MANNER THAT EROSION WILL BE CONTROLLED AND WATER AND SOIL POLLUTION PREVENTED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT WILL BE FOLLOWED. CONSTRUCTION REPAIRS SHALL BE MADE TO EROSION AND SEDIMENT CONTROL DEVICES AS SOON AS POSSIBLE DURING THE CONSTRUCTION PERIOD.

FILTER CLOTH

CONSTRUCTION OPERATIONS WILL BE LAID OUT IN SUCH A MANNER THAT EROSION WILL BE CONTROLLED AND WATER AND SOIL POLLUTION PREVENTED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT WILL BE FOLLOWED. CONSTRUCTION REPAIRS SHALL BE MADE TO EROSION AND SEDIMENT CONTROL DEVICES AS SOON AS POSSIBLE DURING THE CONSTRUCTION PERIOD.

GASKETS

ALL GASKETS SHALL BE CLASS II (EPDM COATED).



CORRUGATED METAL ANTI SEEP COLLAR DETAIL
NO SCALE

APPROVED FOR PUBLIC WATER, STORM DRAINAGE AND PRIVATE SEWER SYSTEMS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James J. ... 10/6/89
DIRECTOR

William E. Ray 9-26-89
CHIEF BUREAU OF ENGINEERING

APPROVED FOR PUBLIC WATER SYSTEMS AND PRIVATE SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Joseph W. ... 10-16-89
COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

... 10/10/89
DIRECTOR

... 1/18/89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

9-25-89

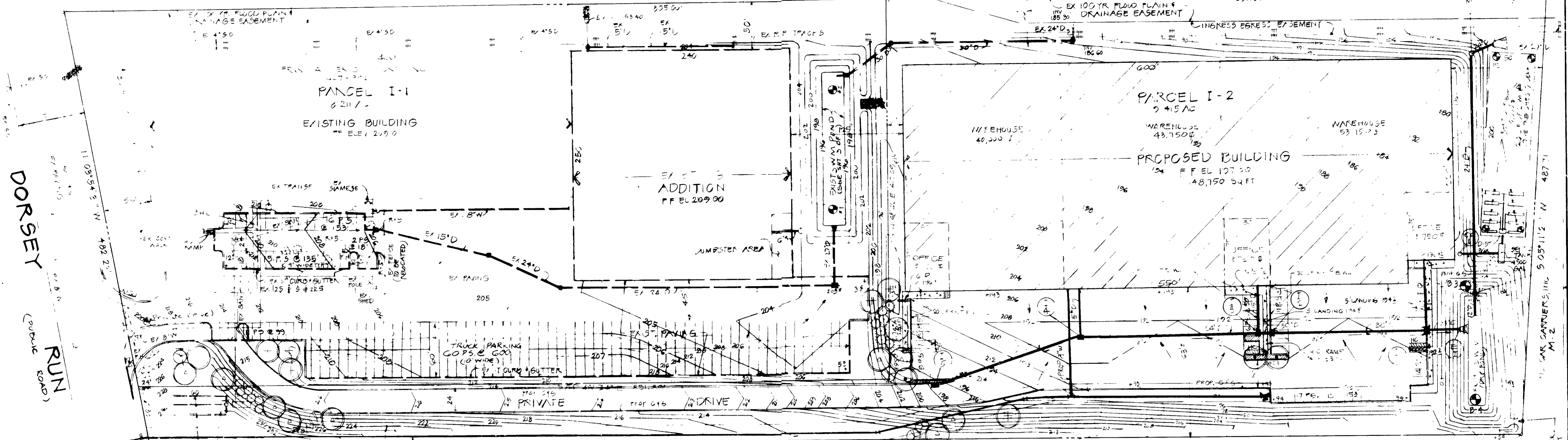
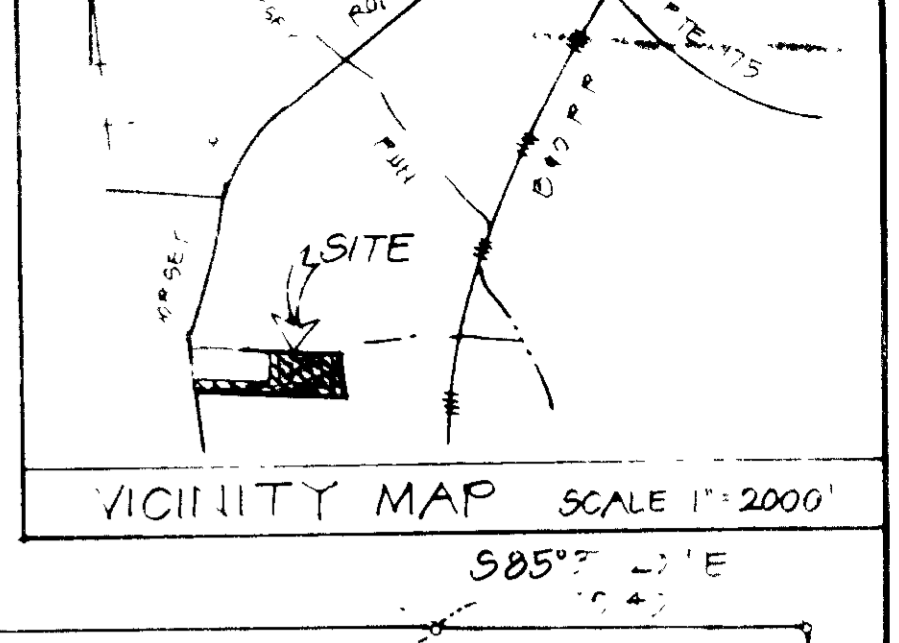
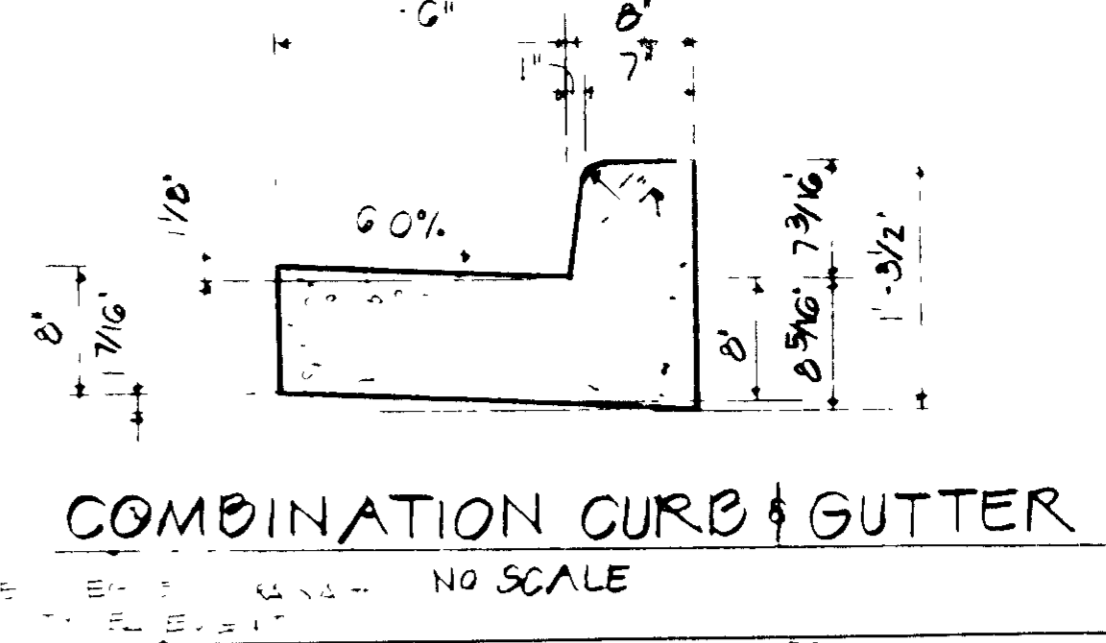
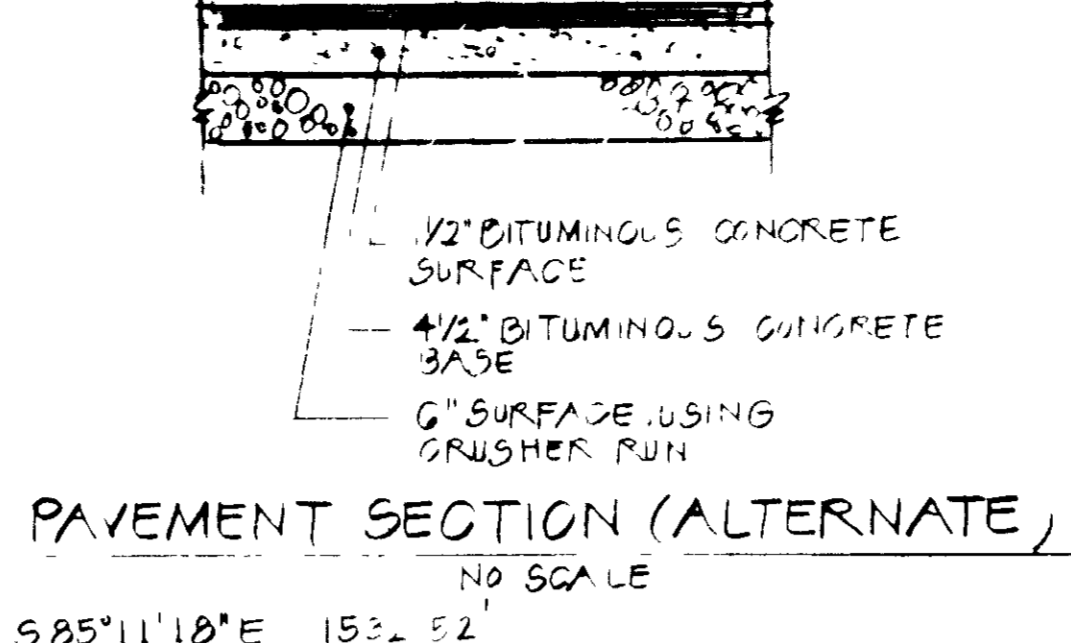
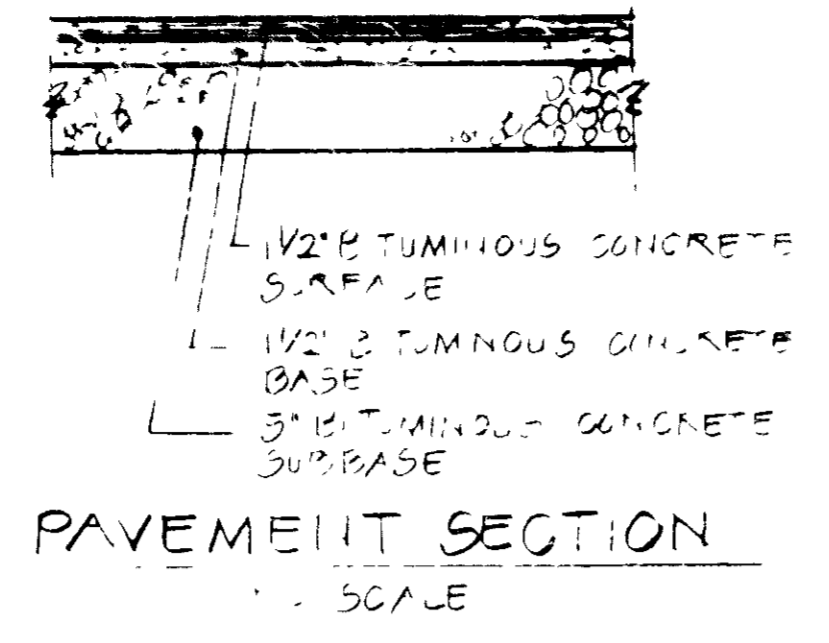
FINAL PLAT 89-05
EX. BUILDING SDP 77-07
EX. BUILDING ADDITION TO SDP 93-171
FINAL PLAT 77-13

SEDIMENT AND EROSION CONTROL DETAIL
HAMILTON TRACT SUBDIVISION PARCEL 123 SERIO PROPER

DORSEY RUN ROAD
OFF ROUTE 311, HOWARD COUNTY, MARYLAND

SDP-89-84

1. EXISTING BUILDING
 2. PROPOSED BUILDING ADDITION
 3. WAREHOUSE
 4. TRUCK PARKING
 5. DRIVEWAY
 6. CURB & GUTTER
 7. LANDSCAPE PLAN
 8. PAVEMENT SECTION
 9. PAVEMENT SECTION (ALTERNATE)
 10. COMBINATION CURB & GUTTER
 11. VICINITY MAP



DORSEY RUN ROAD
 (PUBLIC ROAD)

GENERAL NOTES

- EXISTING ZONING IS M-2 (HEAVY INDUSTRIAL)
- EXISTING SPACE: 133,750 SQ. FT. (WAREHOUSE) & 15,000 SQ. FT. (OFFICE) TOTAL = 148,750 SQ. FT.
- PROPOSED SPACE: 245 AC. x 0.20 = 182 AC. (20% OF TOTAL)
- GREEN AREA: 38.1 AC.
- NUMBER OF EMPLOYEES: 20 OFFICE & 20 WAREHOUSE
- PARKING REQUIREMENTS: 20 OFFICE @ 375/10 PERSONS = 800 SPACES; 20 WAREHOUSE @ 105/EMPLOYEE = 2100 SPACES; TOTAL PARKING SPACES PROVIDED: 2900 (INCL 34-1) 375'S REQ'D = 18
- BUILDING COVERAGE OF SITE: 28,750 SF AND 36%
- PARKING LOT AREA: 9,150 SF (5% + T.M.) (535' X 500')
- LANDSCAPED ISLAND AREA: 3,500 SF (5% + T.M.) (535' X 500')
- LANDSCAPING TO BE IN ACCORDANCE TO HOWARD COUNTY REGULATIONS. SEE LANDSCAPE PLAN.

PLANT LIST

KEY	QTY	BOTANICAL NAME / COMMON NAME	SIZE	CONDITION	REMARKS
1	1	ACER RUBRUM / RED MAPLE	2 1/2 - 3' CAL	B & P	
2	1	QUERCUS PALUSTRIS / PIN OAK	2 1/2 - 3' CAL	B & E	
3	3	PYRUS CAL REDSPIRE / REDSP PEAR	2 1/2 - 3' CAL	B & P	
4	6	PRUNUS YEDOENS / YOSHINO CHERRY	5 - 6' HT	B & P	
5	10	PIRUS STROBUS / WHITE PINE	6-8' HT	B & E	

PLANTING DETAIL FOR TREES - 1/2" CALIBER
 NO SCALE
 SOUTH ELEVATION
 PLANTING DETAIL FOR EVERGREEN AND DECIDUOUS SHRUBS
 NO SCALE

NOTES
 1. Contractor shall notify Miss Utility a minimum of 72 hours prior to digging. Telephone: 1-800-257-7777
 2. The location of all plant material is to be approved in the field by the Landscape Architect.
 3. The Landscape Architect is to be notified 48 hours before planting begins.
 4. This plan is to be used for planting only.

ADDRESS CHART
 LOT NO. | STREET ADDRESS
 PARCEL I | 2117 DORSEY RUN RD.

APPROVED FOR PUBLIC WATER, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 9-25-89
 Director

APPROVED FOR PUBLIC WATER SYSTEMS AND PRIVATE SEWER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 10-11-89
 County Health Officer

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Director
 10-11-89
 DATE

HUMAN & ROHDE, INC.
 Landscape Architects
 110 E. Pennsylvania Avenue
 Towson, Maryland 21204
 (301) 825-3885

FINAL PLAT 89-65
 EX BUILDING SDP 77.07
 EX BUILDING ADDITION TO SDP 77.13
 FINAL PLAT 77.13

ENGINEER PAUL LEE ENGINEERING, INC. 304 W. BELMONT AVE. #100 BALTIMORE, MD 21201	OWNER FRANK A. SERIO, JR. & SON, INC. 8441 DORSEY RUN ROAD JESSUP, MARYLAND 20794	PROPERTY 2117 DORSEY RUN RD. PARCEL I-2 SECTION 14, TOWNSHIP 38N, RANGE 20E, DISTRICT 40 BALTIMORE COUNTY, MARYLAND 21204	DATE 9-25-89	SCALE AS SHOWN	PROJECT LANDSCAPE PLAN HAMILTON TRACT SUBDIVISION, PARCEL I-2 DORSEY RUN ROAD 14th ELECTION DISTRICT HOWARD COUNTY, MD	JOB NUMBER 89-65	DATE 10-11-89	BY [Signature]
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