

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THE WORKABLE PLAN FOR EROSION AND SEDIMENT CONTROL WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

CHARLES J. CROVO SR. 3/21/83 DATE

DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER: *Charles J. Crovo Sr.* DATE: 3/21/83

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.
 U.S. SOIL CONSERVATION SERVICE DATE: 9/28/83

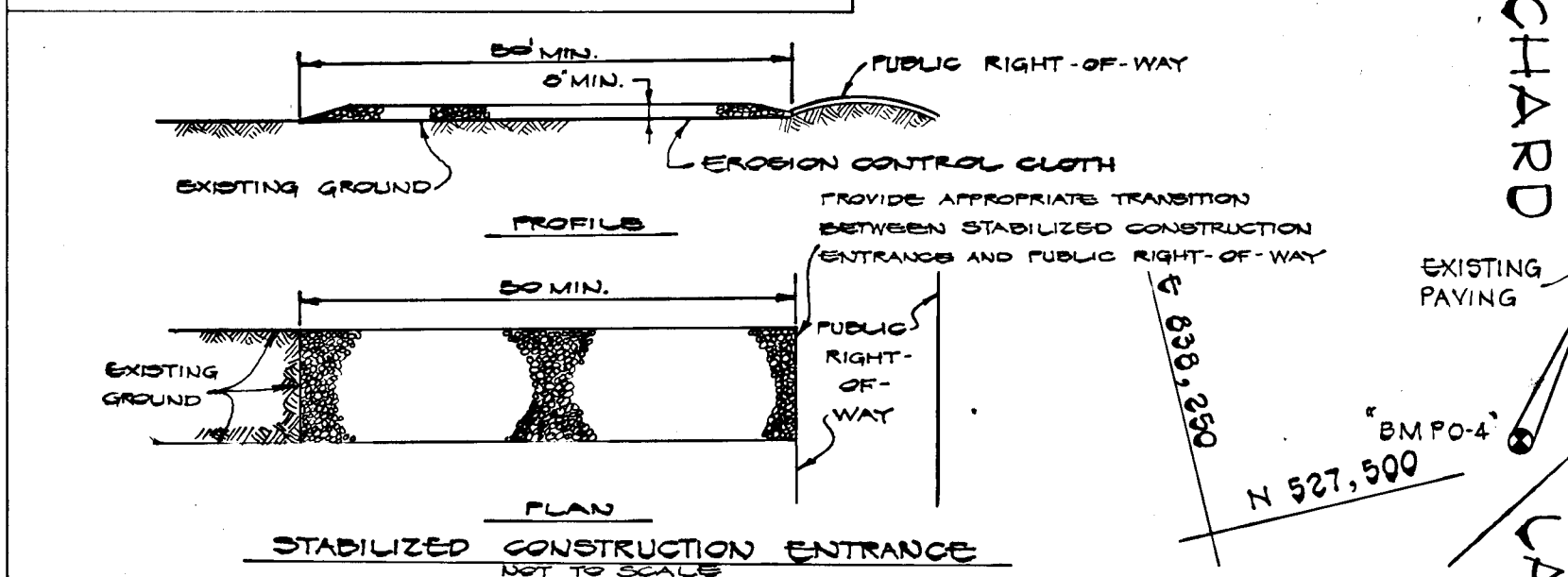
THIS EROSION AND SEDIMENT CONTROL PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT DATE: 9/28/83

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- ANY DAMAGE TO PUBLIC RIGHT OF WAY OR PAVING WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE: 752-7272
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CODE.

PLAN

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	



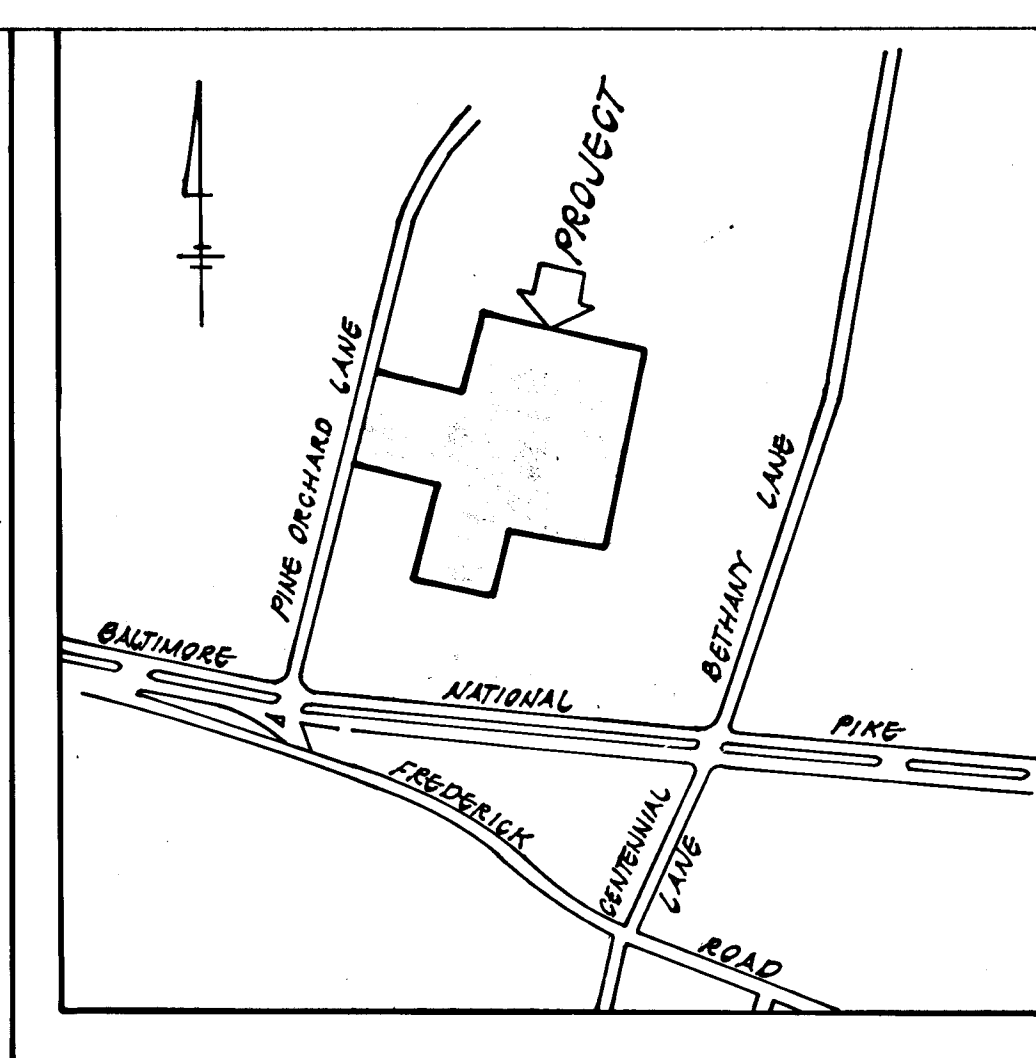
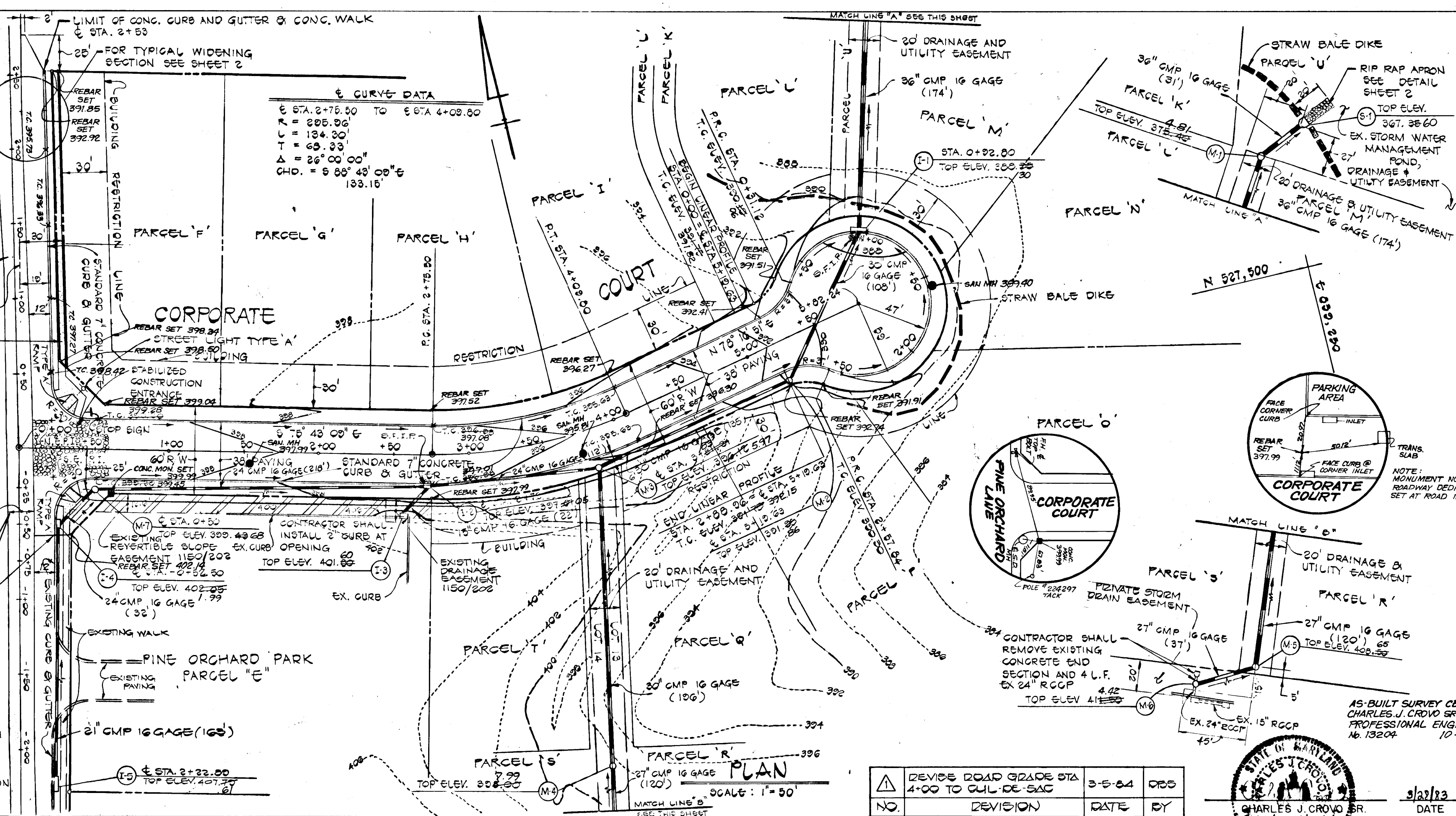
APPROVED DEPARTMENT OF PUBLIC WORKS
William S. Bogdan 11-1-83 DATE
 CHIEF, BUREAU OF ENGINEERING

APPROVED OFFICE OF PLANNING AND ZONING
William S. Bogdan 9-28-83 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

BENCH MARKS

B.M. PO-4 ELEV. 401.50
 RAILROAD SPIKE SET IN MACADAM 44' S SOUTH FROM INTERSECTION OF PINE ORCHARD LANE AND NICHOLAS COURT

B.M. S-1 ELEV. 396.68
 P.K. NAIL SET 127' N NORTH FROM INTERSECTION OF PINE ORCHARD LANE AND NICHOLAS COURT



PINE ORCHARD PARK SECTION TWO
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

CORPORATE COURT PLAN AND PROFILE

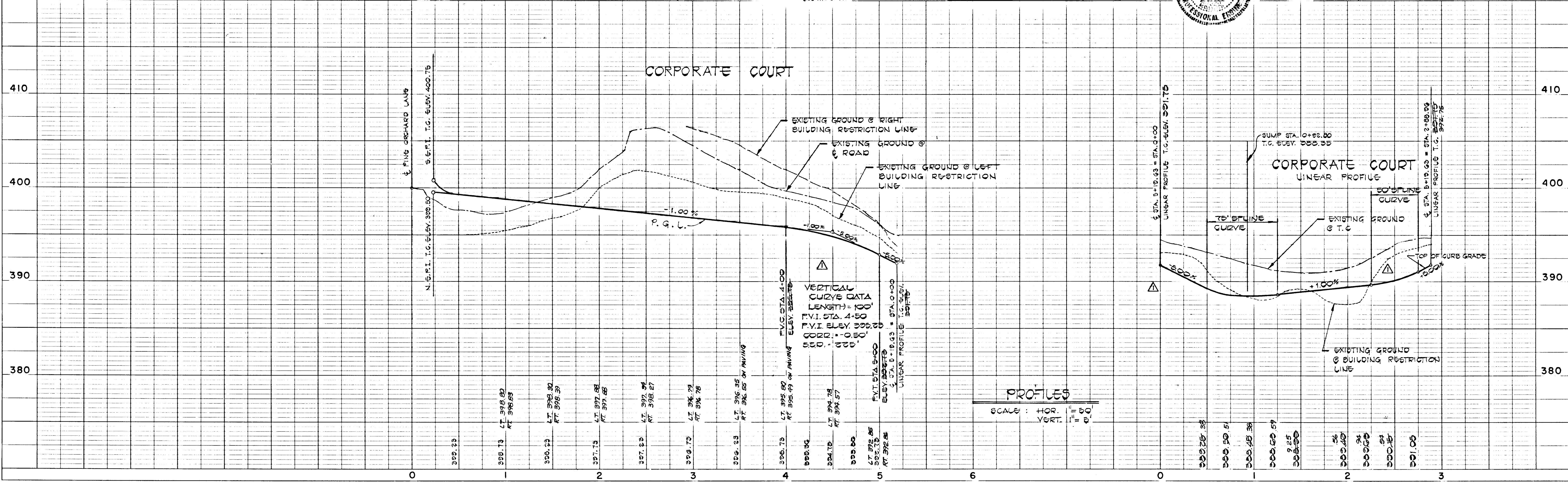
OWNER AND DEVELOPER
 ROUTE 40 MANAGEMENT
 10194 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21043

SCALE AS SHOWN DATE MARCH 11, 1983 DWG. NO. 1 OF 2
 DES. C. CROVO DRN. A. BOGDAN CHK. R. CARTER

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043

PROFILE

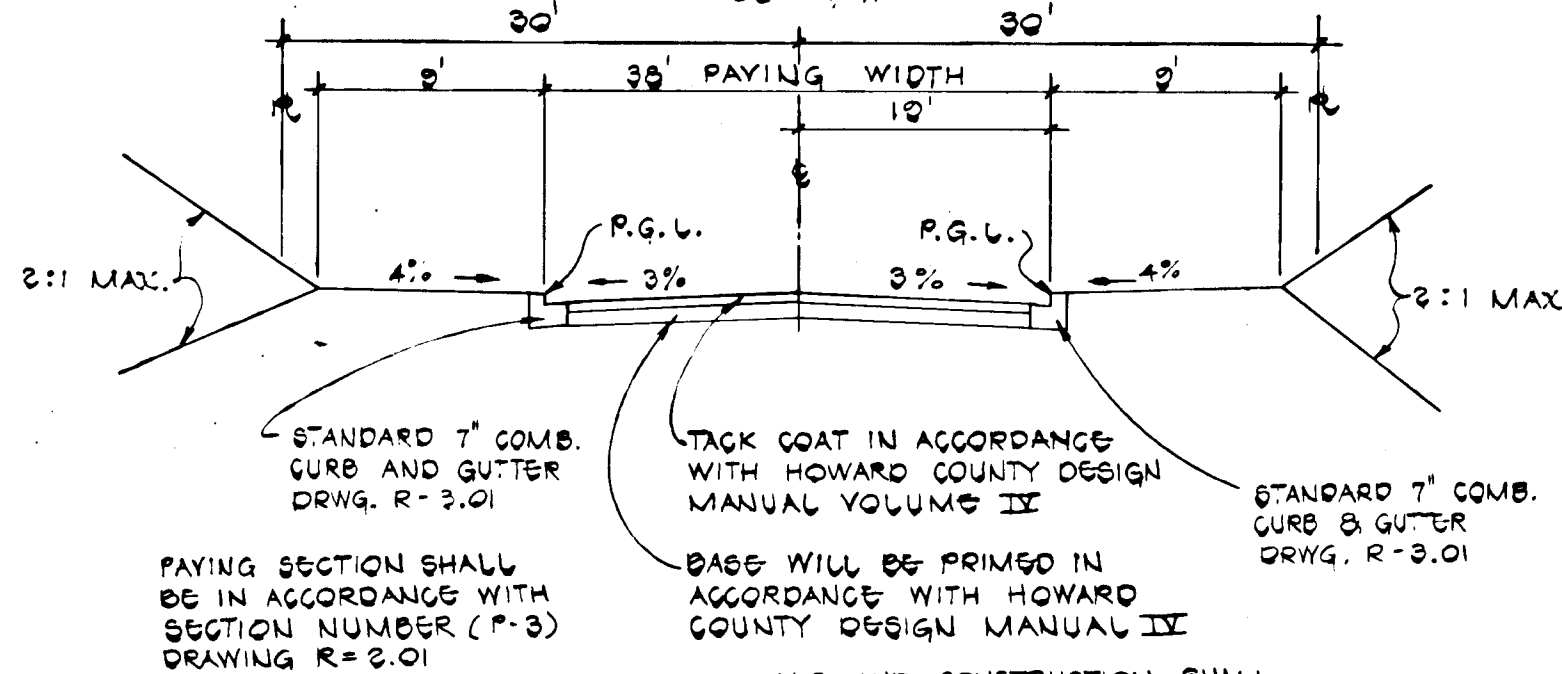
DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	



921

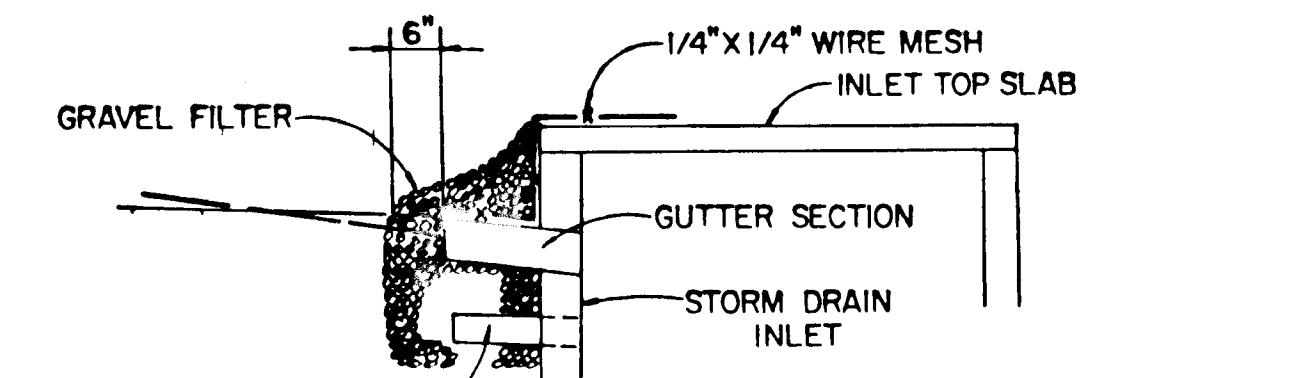
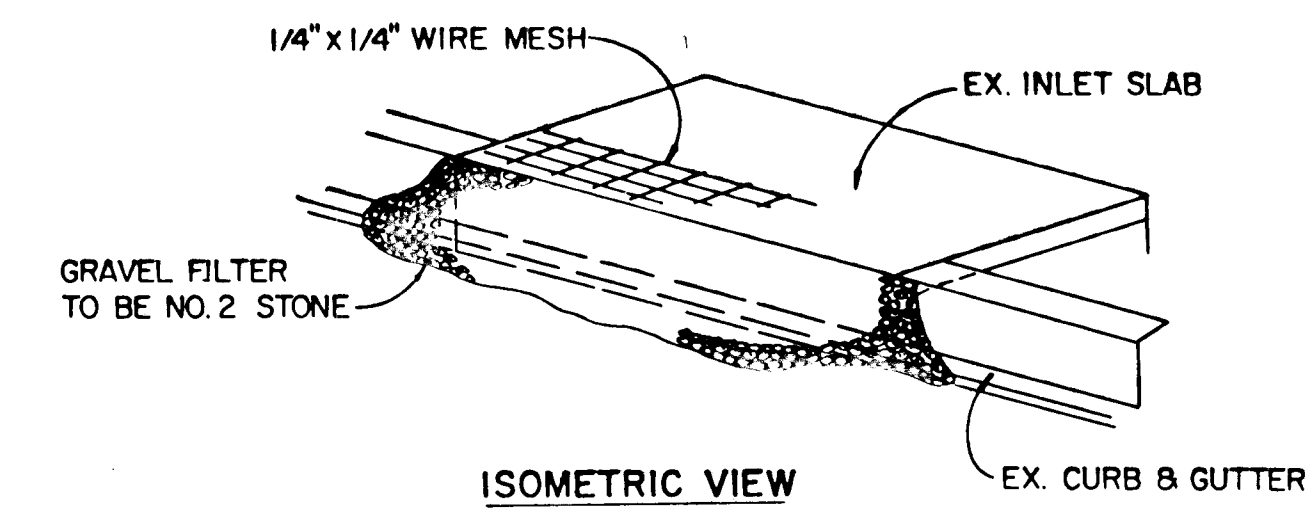
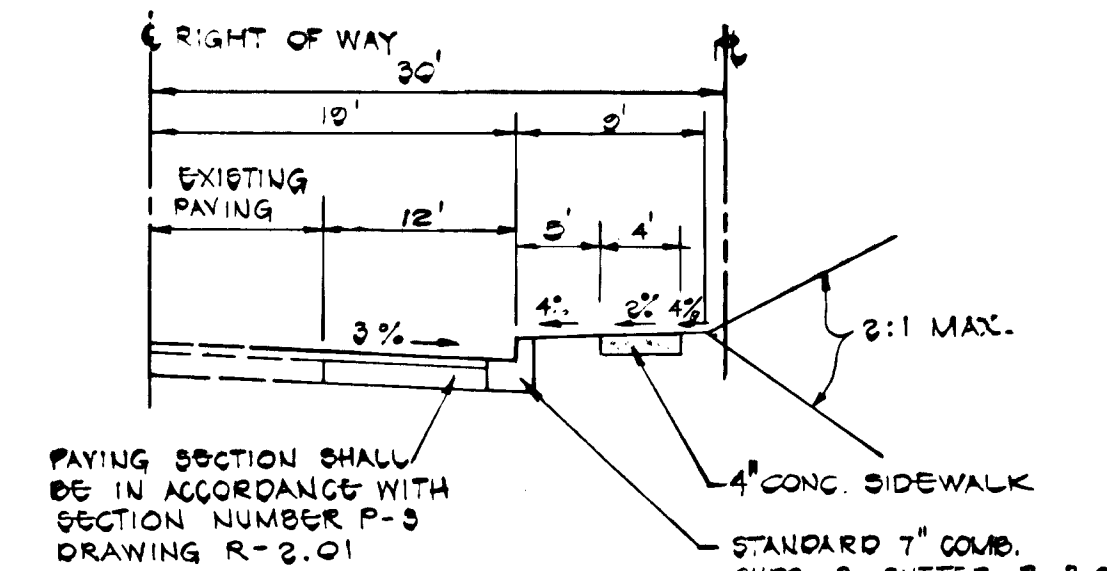
CORPORATE COURT

TYPE OF TRAFFIC - CUL DE SAC - ZONED B-1
DESIGN SPEED 30 M.P.H.
60' R/W



TYPICAL ROADWAY SECTION
NO SCALE

PINE ORCHARD LANE
TYPICAL WIDENING SECTION
NO SCALE



STONE FILTER INLET PROTECTION DETAIL
NO SCALE

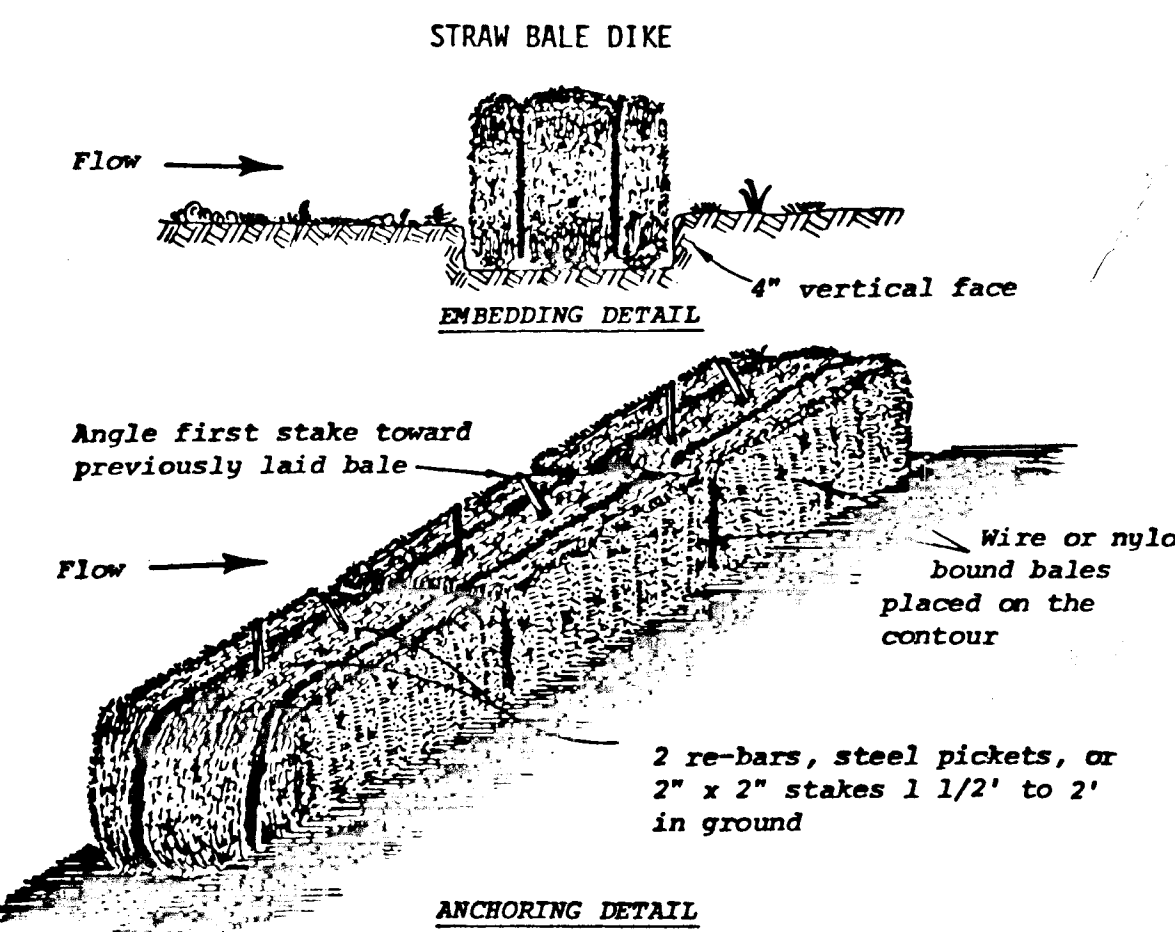
STREET LIGHTS
TYPE "A" 175 WATT "MODERN"
MERCURY VAPOR FOOT TOP
FIXTURES INSTALLED ON 14' (FOOT)
GRAY FIBERGLASS POLES.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT
AND MEETS TECHNICAL REQUIREMENTS.
James M. Williams 9/28/83
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
John R. ... 9/28/83
DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE

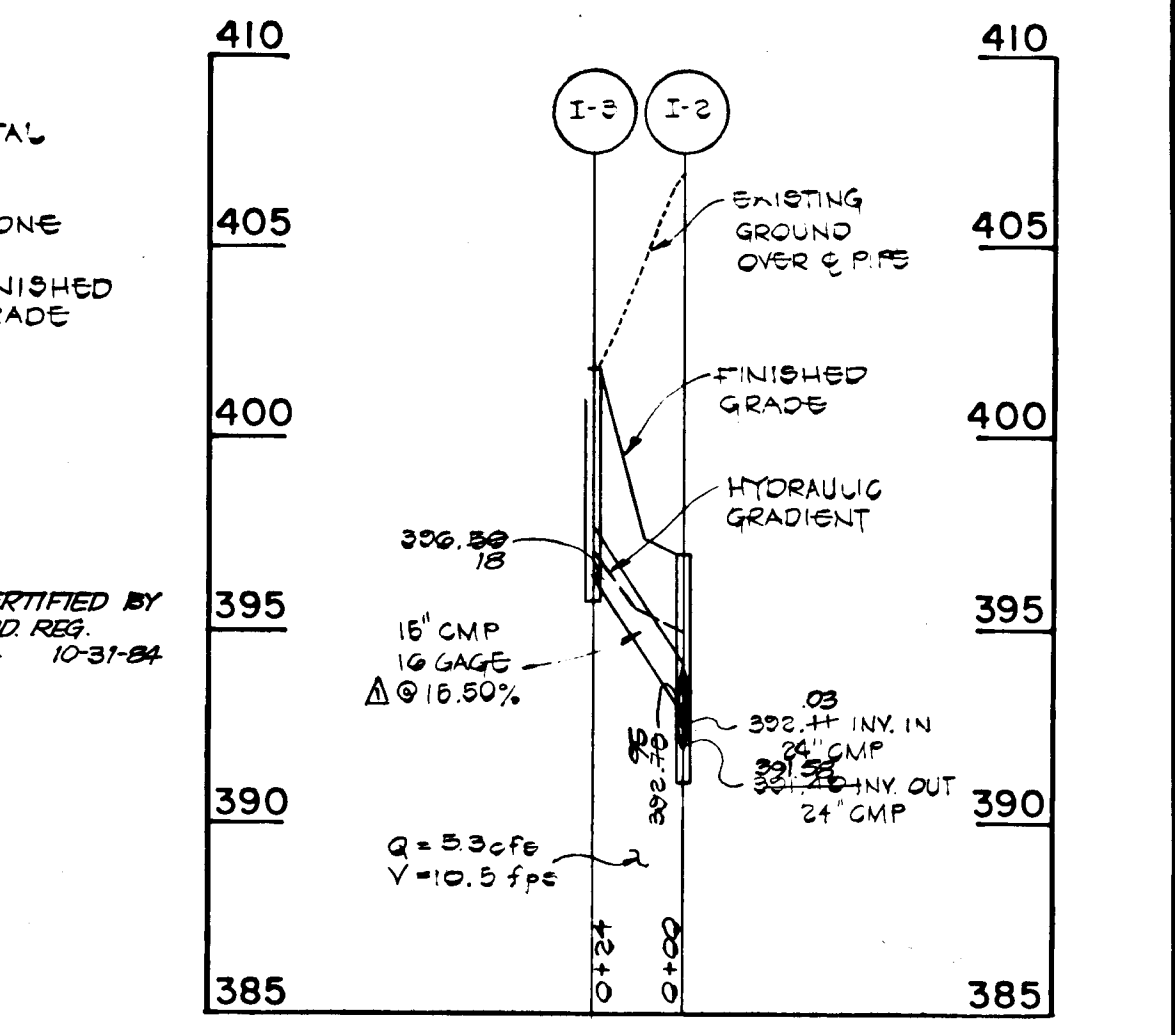
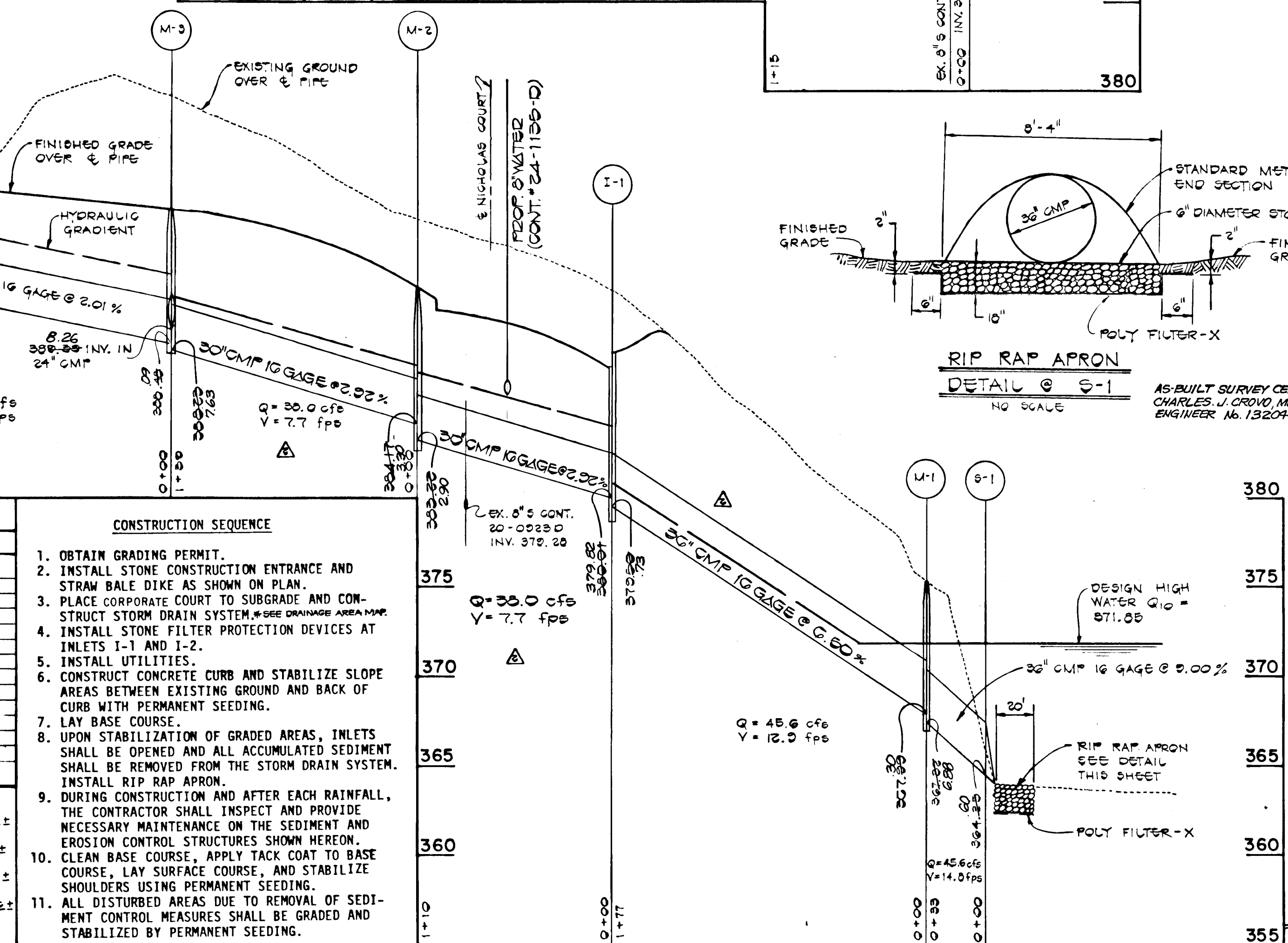
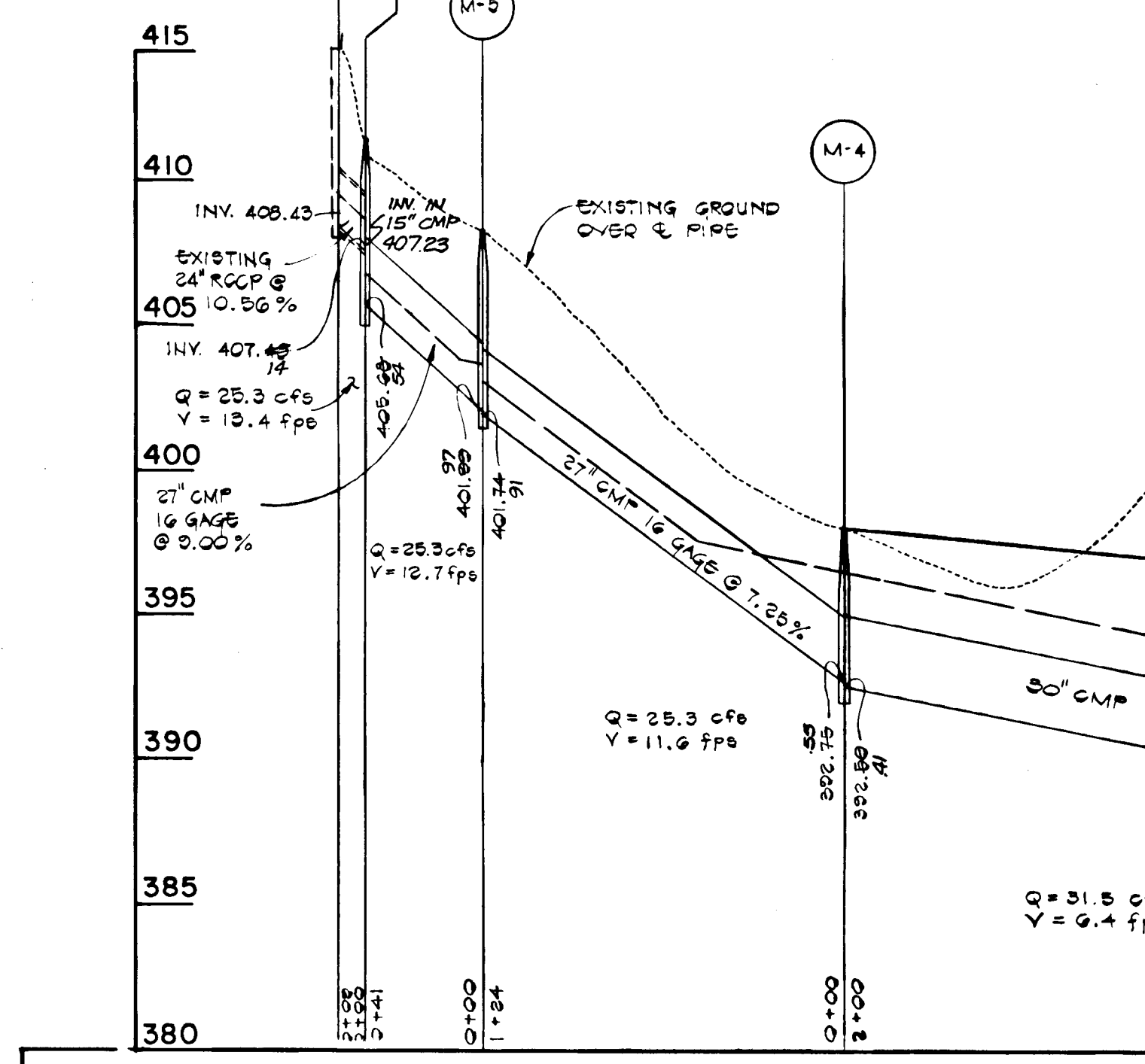
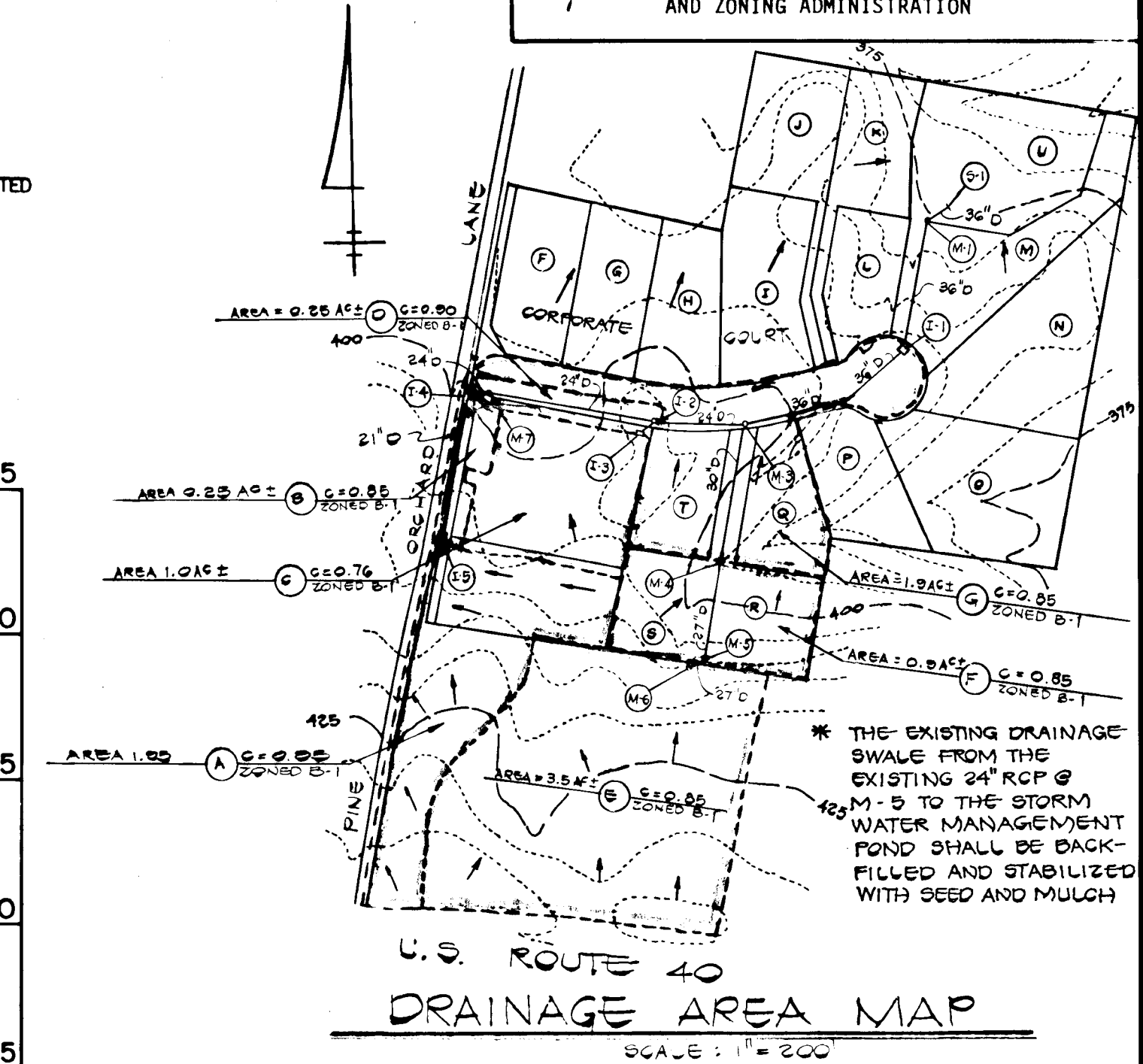
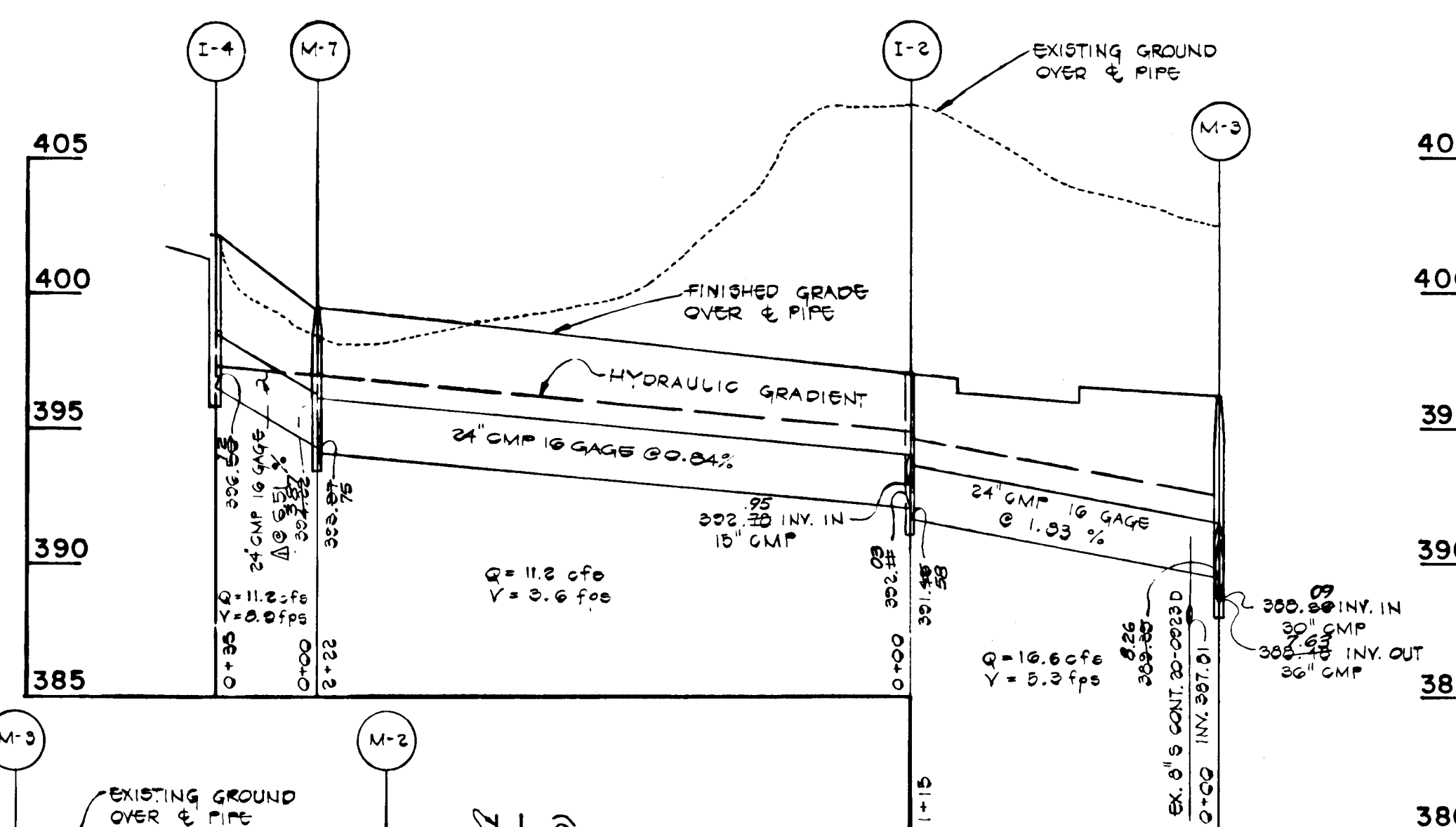
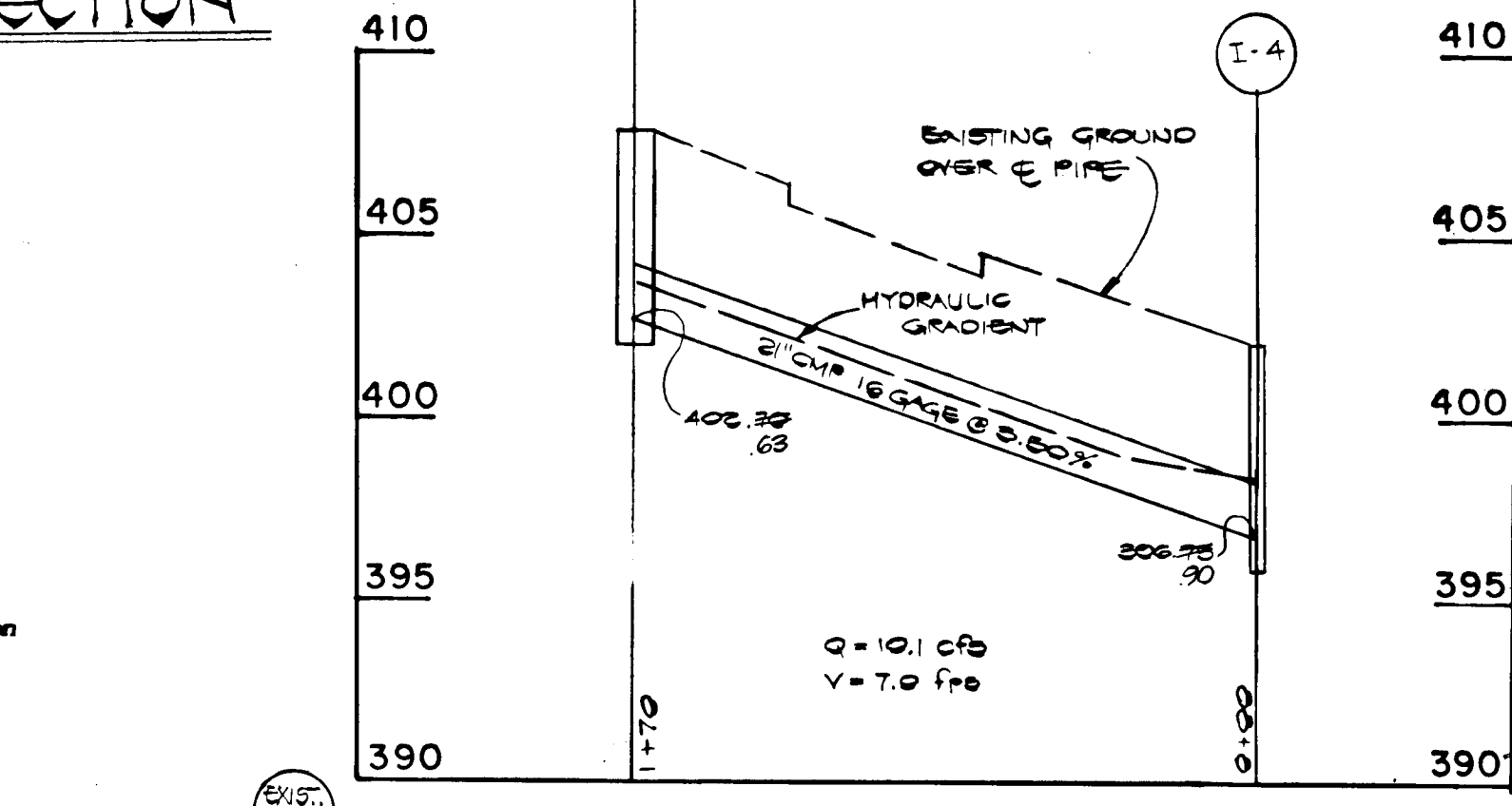
APPROVED:
DEPARTMENT OF PUBLIC WORKS
William E. Ray 11-1-83
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED:
OFFICE OF PLANNING AND ZONING
William H. Williams 9/29/83
CHIEF, DIVISION OF LAND DEVELOPMENT DATE
AND ZONING ADMINISTRATION



SEDIMENT CONTROL NOTES

- SPECIFICATIONS FOR THE SEDIMENT CONTROL DETAILS INCLUDED IN THE U.S.D.A. SOIL CONSERVATION SERVICE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS."
- THE DEVELOPER SHALL NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS AT LEAST 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON (992-2433).
- SEDIMENT CONTROL STRUCTURES TO BE CONSTRUCTED PRIOR TO ANY ON-SITE GRADING OR DISTURBANCE TO ANY EXISTING SURFACE MATERIAL, AND ARE TO BE STABILIZED AS SOON AS CONSTRUCTED.
- ALL SEDIMENT CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS (992-2433).
- ALL GRADED AREAS NOT TO BE SODDED SHALL BE STABILIZED BY SEEDING AND MULCHING IN ACCORDANCE WITH THE FOLLOWING:
 - SITE PREPARATION
 - HARROW OR DISC IN AREAS PROPOSED TO BE SEEDING THE FOLLOWING MATERIALS:
 - PULVERIZED LIMESTONE AT 2 TONS/ACRE.
 - COMMERCIAL FERTILIZER 10-10-10 AT 3/4 TONS/ACRE.
 - SUPER PHOSPHATE AT 600 LBS./ACRE.
 - SEEDING
 - SOW THE FOLLOWING SEED MIXTURE AT THE RATE OF 200 LBS./ACRE WITH A MECHANICAL SPREADER.
 - TEMPORARY: ITALIAN OR PERENNIAL RYE GRASS.
 - PERMANENT: 40% MARION BLUE GRASS, 40% DAKOTA BLUE GRASS AND 20% PENN LAWN CREEPING FESCUE.
 - THE SEEDING AREA SHALL THEN BE RAKED WITH A YORK RAKE (A MINIMUM OF 2 PASSES) COVERED AND COMPACTED WITH CULTIPACKER OR OTHER APPROVED METHOD.
 - MULCHING
 - SEEDING AREAS SHALL BE UNIFORMLY MULCHED IMMEDIATELY AFTER SEEDING WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2-2 TONS/ACRE.
 - TIE MULCH DOWN WITH LIQUID ASPHALT AT 0.1 GAL./S.Y. OR EMULSIFIED ASPHALT AT 0.04 GAL./S.Y. OR MULCH NETTING.



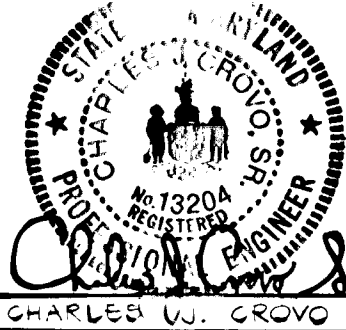
STRUCTURE SCHEDULE				
NO.	TYPE	INVERT IN	INVERT OUT	TOP ELEV.
I-1	A-10	392.82	370.63	390.80
I-2	A-5	392.1102	391.4928	397.8102
I-3	A-5	396.7890	396.5818	401.8802
I-4	A-5 WITH DEFLECTORS	396.7890	402.0519	DRGWS. SD 4.01 & SD 4.83
I-5	A-10 WITH DEFLECTORS	402.2863	407.2944	DRGWS. SD 4.02 & SD 4.83
M-1	STANDARD MANHOLE	397.3037	397.3037	DRGWS. SD 5.01
M-2	STANDARD MANHOLE	394.1730	394.1730	DRGWS. SD 5.01
M-3	STANDARD MANHOLE	389.3982	390.2007	395.97
M-4	STANDARD MANHOLE	392.7555	392.5841	398.00
M-5	STANDARD MANHOLE	401.9997	401.2491	408.58
M-6	STANDARD MANHOLE	407.4818	405.6854	411.50
M-7	STANDARD MANHOLE	394.2237	393.3775	399.43
S-1	STD. METAL END SECTION	364.3560	367.3560	DRGWS. SD 5.61

- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT.
 - INSTALL STONE CONSTRUCTION ENTRANCE AND STRAW BALE DIKE AS SHOWN ON PLAN.
 - PLACE CORPORATE COURT TO SUBGRADE AND CONSTRUCT STORM DRAIN SYSTEM, SEE DRAINAGE AREA MAP.
 - INSTALL STONE FILTER PROTECTION DEVICES AT INLETS I-1 AND I-2.
 - INSTALL UTILITIES.
 - CONSTRUCT CONCRETE CURB AND STABILIZE SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB WITH PERMANENT SEEDING.
 - LAY BASE COURSE.
 - UPON STABILIZATION OF GRADED AREAS, INLETS SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN SYSTEM. INSTALL RIP RAP APRON.
 - DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
 - CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, LAY SURFACE COURSE, AND STABILIZE SHOULDERS USING PERMANENT SEEDING.
 - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.

SITE ANALYSIS

TOTAL AREA OF PROPERTY	9.9 AC±
IMPERVIOUS AREA	0.7 AC±
AREA TO BE VEGETATED	0.4 AC±
UNDISTURBED AREA	0.8 AC±

FISHER, COLLINS AND CARTER, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
8808 COURT AVENUE
ELICOTT CITY, MARYLAND 21040
TELEPHONE (301) 461-2855



REVISIONS

NO.	REVISIONS	DATE	BY
1	REVISE STORM DRAIN PROFILES M-3 TO S-1 ADD WATER MAIN CROSSING @ STORM DRAIN		

STORM DRAIN PROFILES & DETAILS
PINE ORCHARD PARK
2ND ELECTION DISTRICT SECTION TWO
TAX MAP # 24 PARCEL # 10 ZONING MAP # 24
SCALE: AS SHOWN SHEET 2 OF 2
MARCH 11, 1983

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