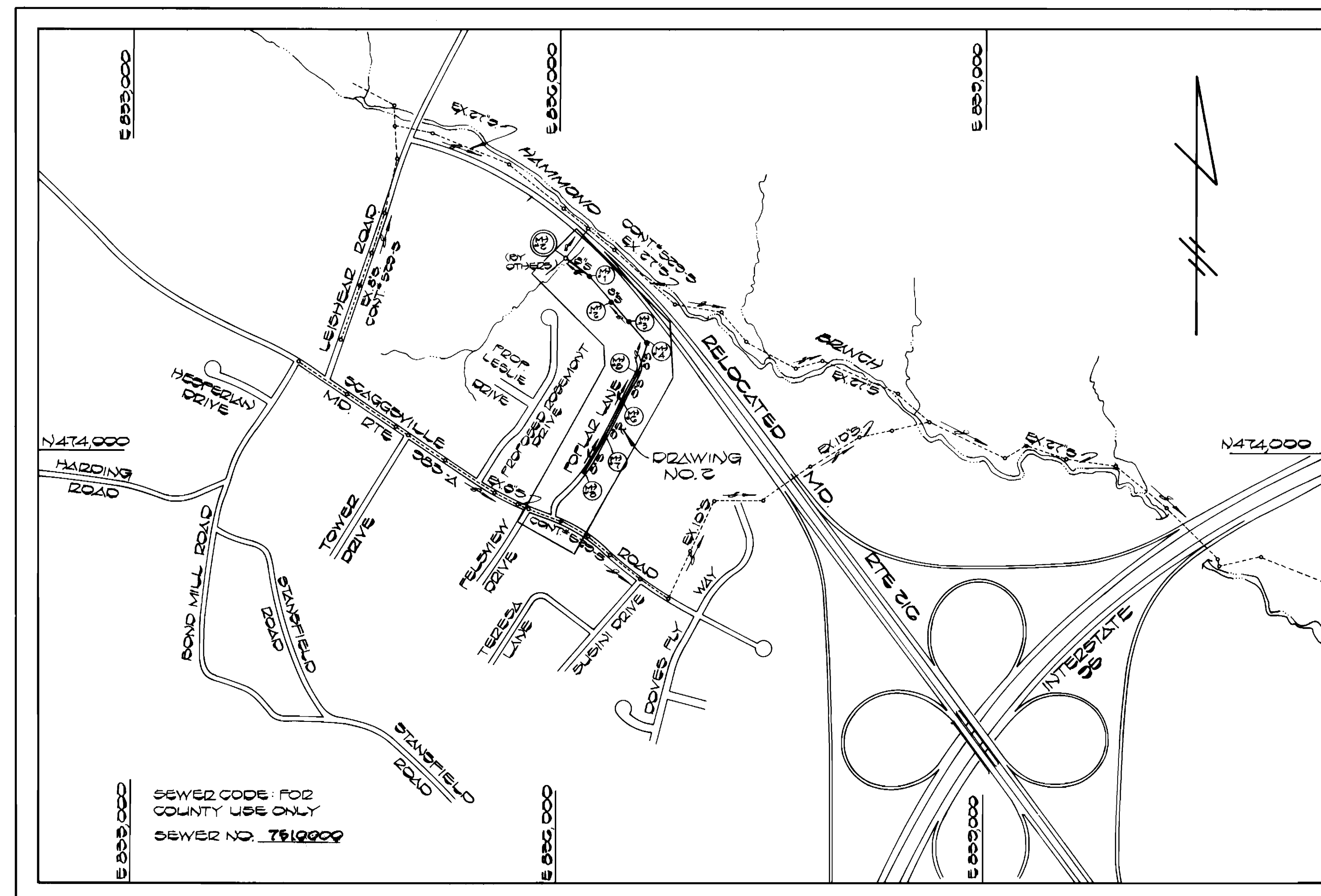


GENERAL NOTES

- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6".
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION: 531-5533
 - BALTIMORE GAS & ELECTRIC COMPANY - CONTRACTOR SERVICES - 561-2585
 - BALTIMORE GAS & ELECTRIC COMPANY - TROUBLESHOOTING - 298-9013
 - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND DAMAGE CONTROL - 234-5621
 - "MISS UTILITY" 1-559-0100 - BUREAU OF UTILITIES HO. CO. D.P.W. - 992-2366
 - CHESAPEAKE & POTOMAC TELEPHONE COMPANY 725-9976
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL SEWER MAINS SHALL BE C.S.P.X., P.V.C., V.C.P.X., A.C.P. CLASS 2400, R.C.S.P. UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
- MANHOLES LOCATED WITHIN POPLAR LANE SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER, STANDARD DETAIL G5.51
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL "T" AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

QUANTITIES			
ITEM	EST'D	AS BUILT	SUPPLIER
8" SEWER	1624 L.F.	N/A	
8" D.I.P.	246 L.F.	N/A	
6" SEWER	110 L.F.	N/A	
MANHOLES	8 EA.	8 EA.	ATLANTIC



TYPE OF BUILDING - RESIDENTIAL
 NUMBER OF PARCELS - 11
 NUMBER OF SEWER HOUSE CONN. - 12
 DRAINAGE AREA - LITTLE PATUXENT

SCALE : 1" = 600'

CONTRACT NO. 20-1190
CAPITAL PROJECT S-6128
POPLAR LANE
SEWER MAIN EXTENSION
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THESE SPECIFICATIONS

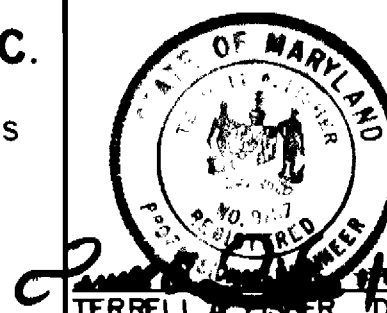
REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 U.S. SOIL CONSERVATION SERVICE DATE: 5-25-84

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

APPROVED: *[Signature]* DATE: 5-25-84
 HOWARD SOIL CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS DATE: 6/6/84
 CHIEF, BUREAU OF UTILITIES DATE: 6-5-84
 CHIEF, BUREAU OF ENGINEERING DATE: 6/1/84
 CHIEF, UTILITY DIVISION DATE: 5/17/84

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

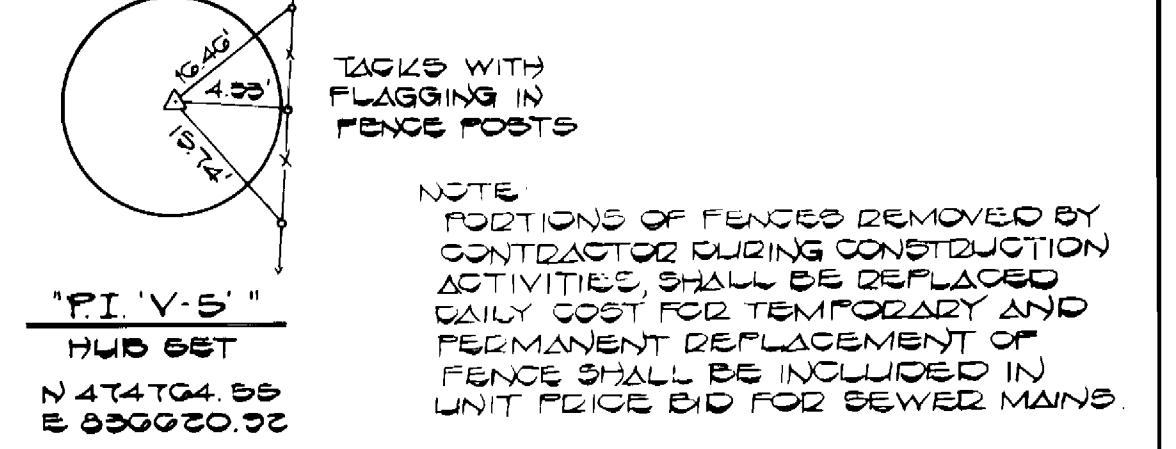
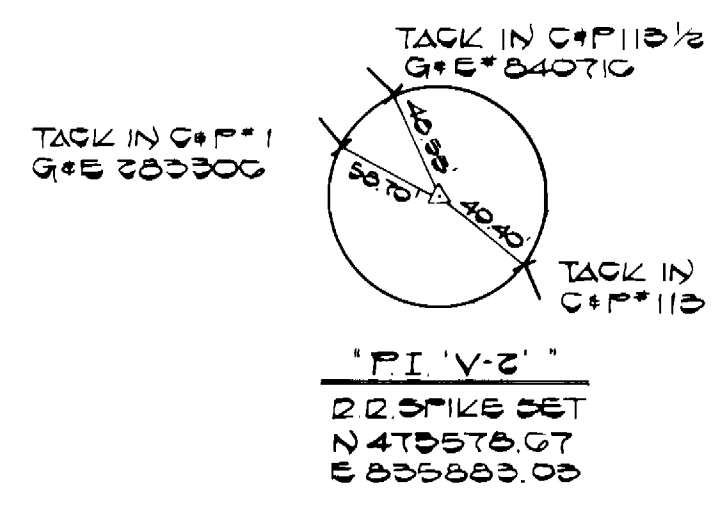


DES. D.B.S.	
DRN. D.B.S.	
CHK. T.A.F.	
DATE: 1-10-84	
BY NO.	
REVISION	
DATE	

TITLE SHEET
 600' SCALE MAP NO. 46 B 47 BLOCK NO.

POPLAR LANE SEWER MAIN
 CAPITAL PROJECT NO. S-6128
 CONTRACT NO. 20-1190
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 3



MARYLAND ROUTE 985-A

MARYLAND ROUTE 216

POPLAR LANE PRIVATE

RELOCATED

BENCH MARKS

B.M. #1	ELEV 397.00
2 R SPIKE IN G+E POLE # 201951, 55' EAST OF T2A STA 'V-2'	
B.M. #2	ELEV 399.70
2 R SPIKE IN G+E POLE # 170042, 43' WEST OF T2A STA 'V-3'	
B.M. #3	ELEV 397.07
2 R SPIKE IN G+E POLE # 404299, 30' SOUTH WEST OF T2A STA 'V-4'	

NOTE: CONTRACTOR SHALL REPLACE DISTURBED GRASS AREAS WITH SOIL WHERE REQUIRED WITHIN THE RIGHT OF WAY AND CONSTRUCTION STRIPS BETWEEN MANHOLES NUMBERED 4 AND 5, INCLUSIVE.

SOIL SODDING SCHEDULE

M#1 TO M#4	1417 - 1401
M#4 TO M#5	0400 TO 0405 (1405 TO 0400)
M#5 TO M#7	0400 TO 0405 (1405 TO 0400)
M#7 TO M#8	0410 TO 1405 (1405 TO 0410)

CONSTRUCTION STAKEOUT TABLE

M#1	133' FROM 'V-7' TOWARDS 'V-6'	10' LEFT
M#2	23' 00"	" " " " " " " "
M#3	213'	" " " " " " " "
M#4	0'	" " " " " " " "
M#5	216'	" " " " " " " "
M#6	170'	" " " " " " " "
M#7	483'	" " " " " " " "
M#8	66'	" " " " " " " "

STABILIZATION NOTES

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:

- 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1
- 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS: *Robert M. Beisinger* 6-5-84
CHIEF, BUREAU OF UTILITIES

CHIEF, BUREAU OF ENGINEERING: *William J. ...*
CHIEF, UTILITY DIVISION

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

8388 COURT AVENUE
ELLICOTT CITY, MARYLAND
461-2855

TERRELL A. FISHER



DES: D.B.S.					
DRN: D.B.S.					
CHK: T.A.F.	T.A.F.	DESIGN & CONSTRUCTION	6-5-84		
	DESIGN & CONSTRUCTION	ADD STABILIZATION NOTES	10-17-84		
DATE: 1-10-84	BY: NO.	REVISION	DATE		

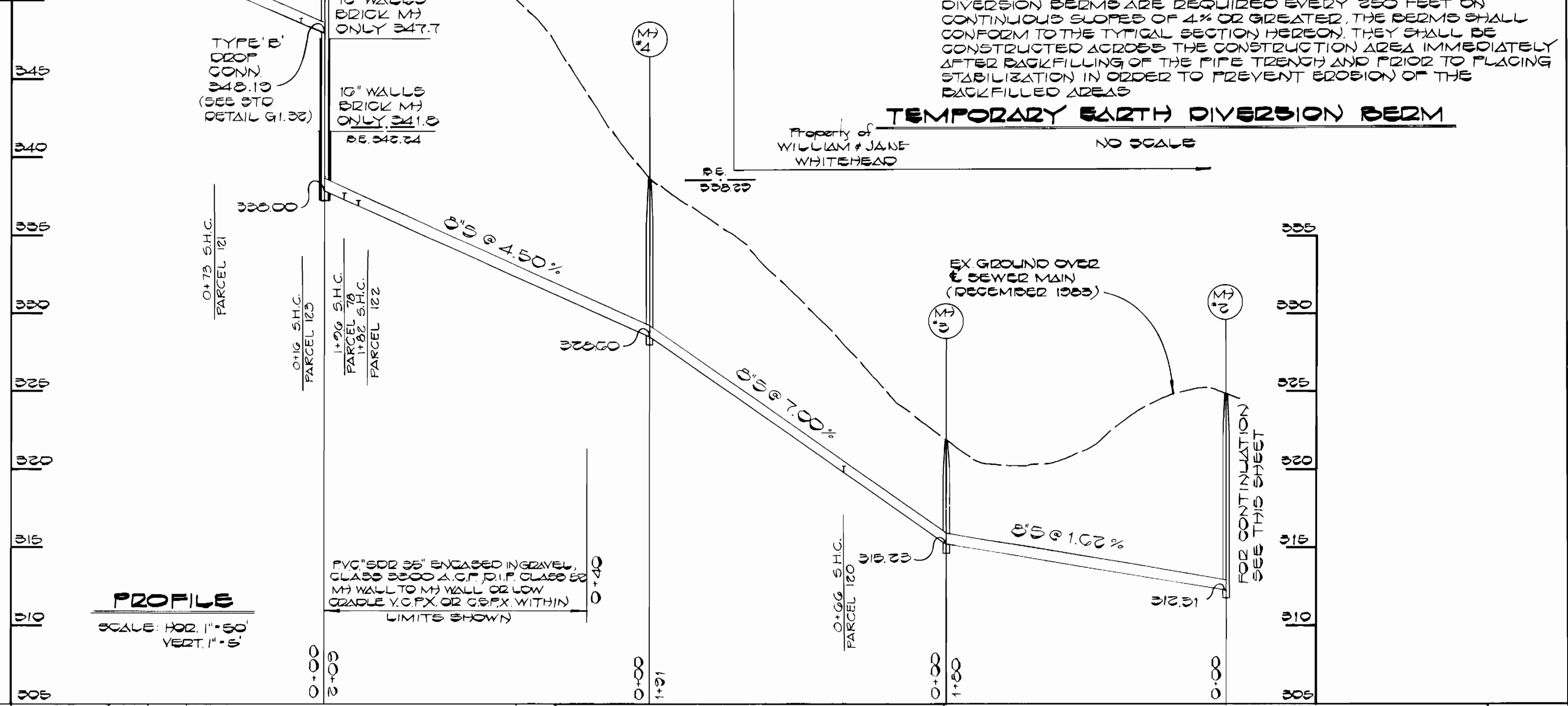
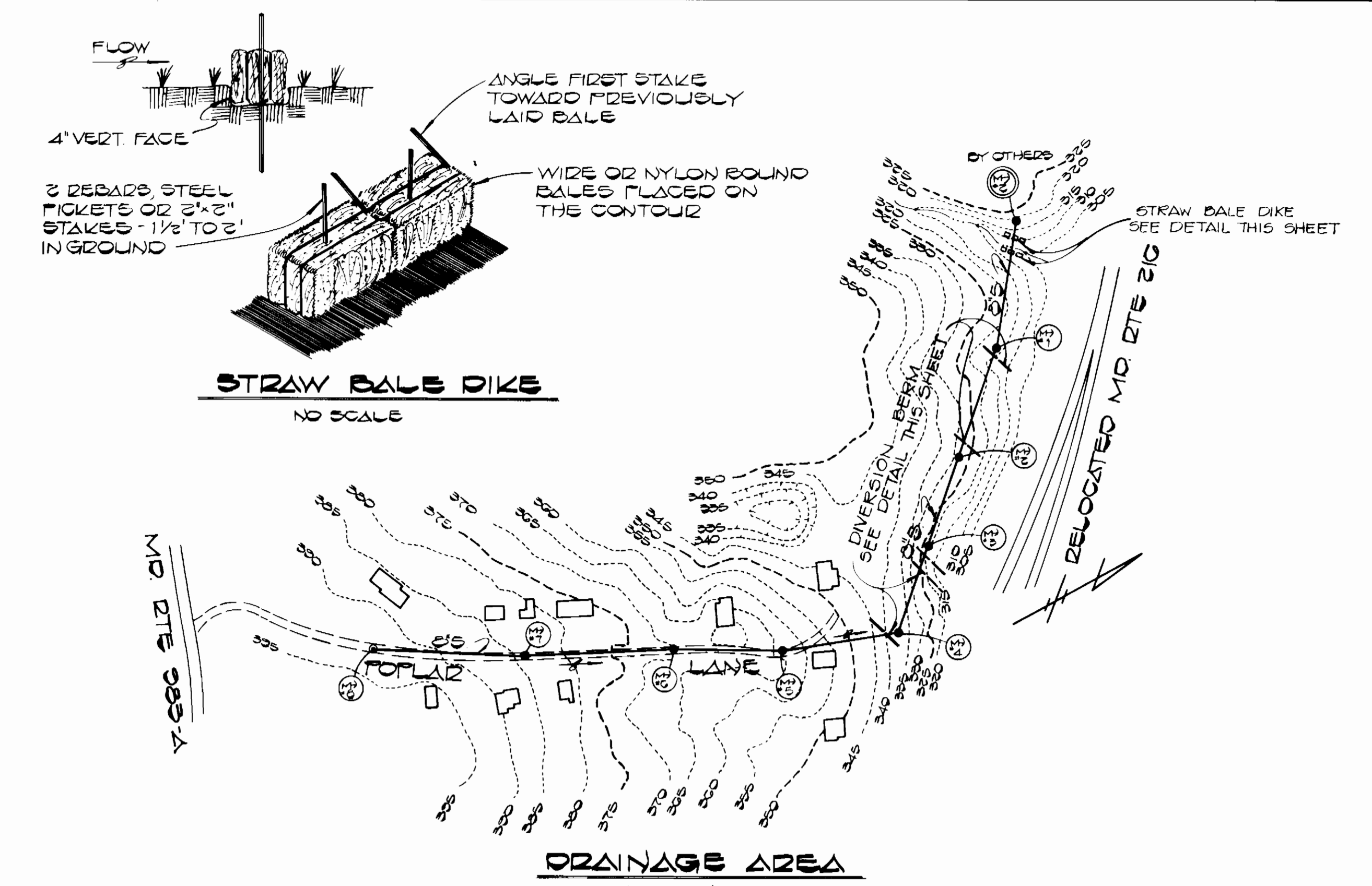
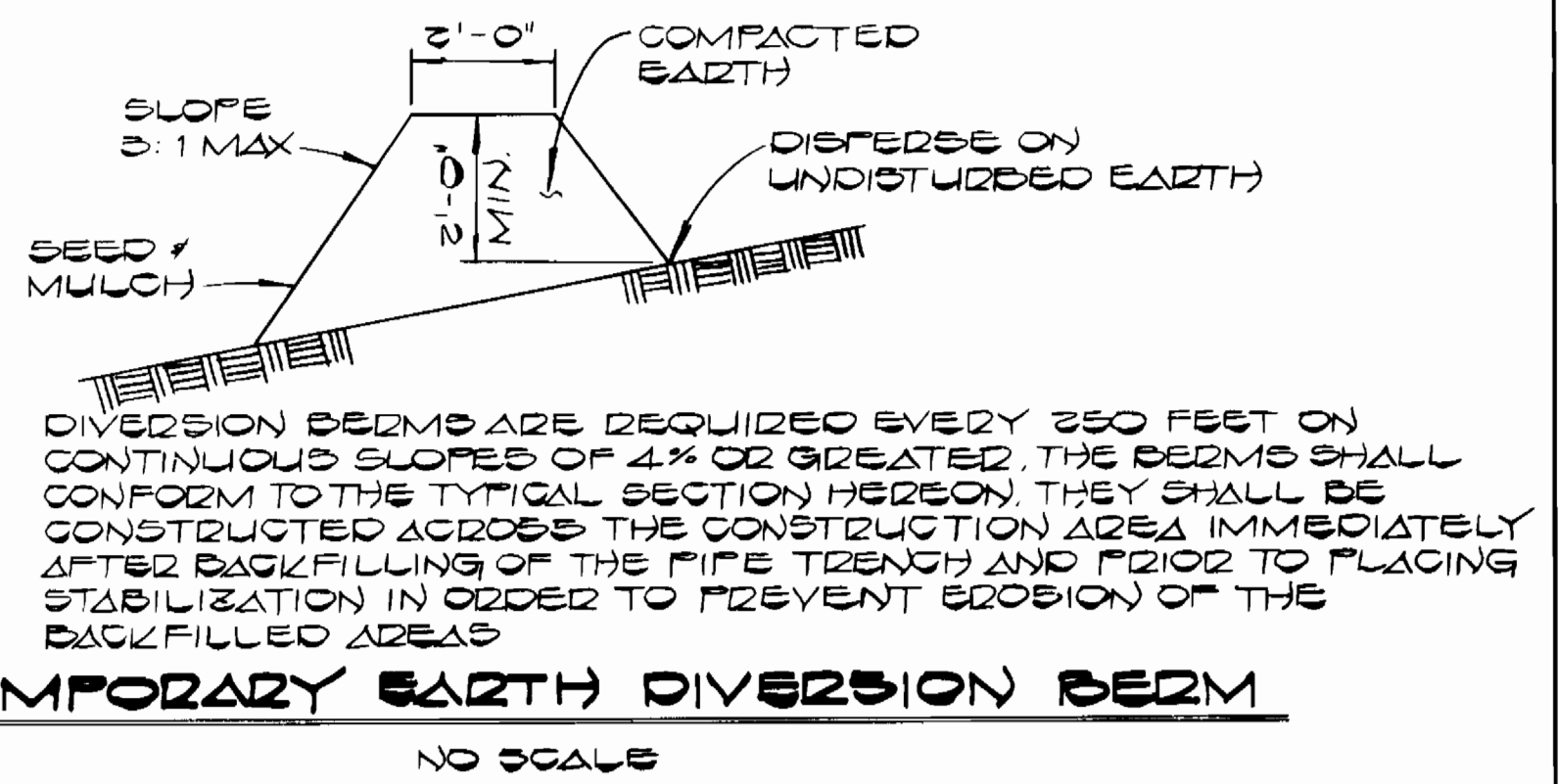
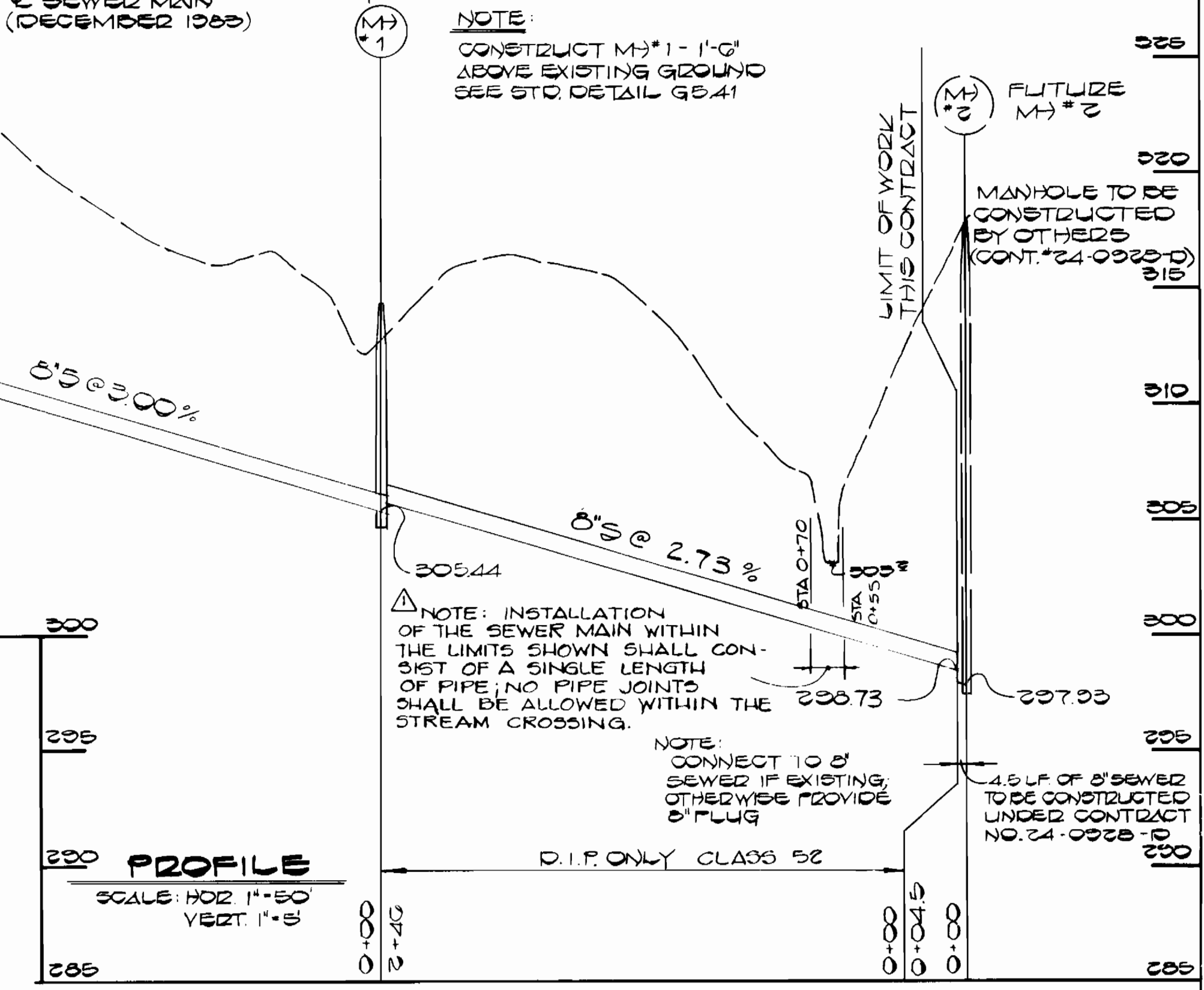
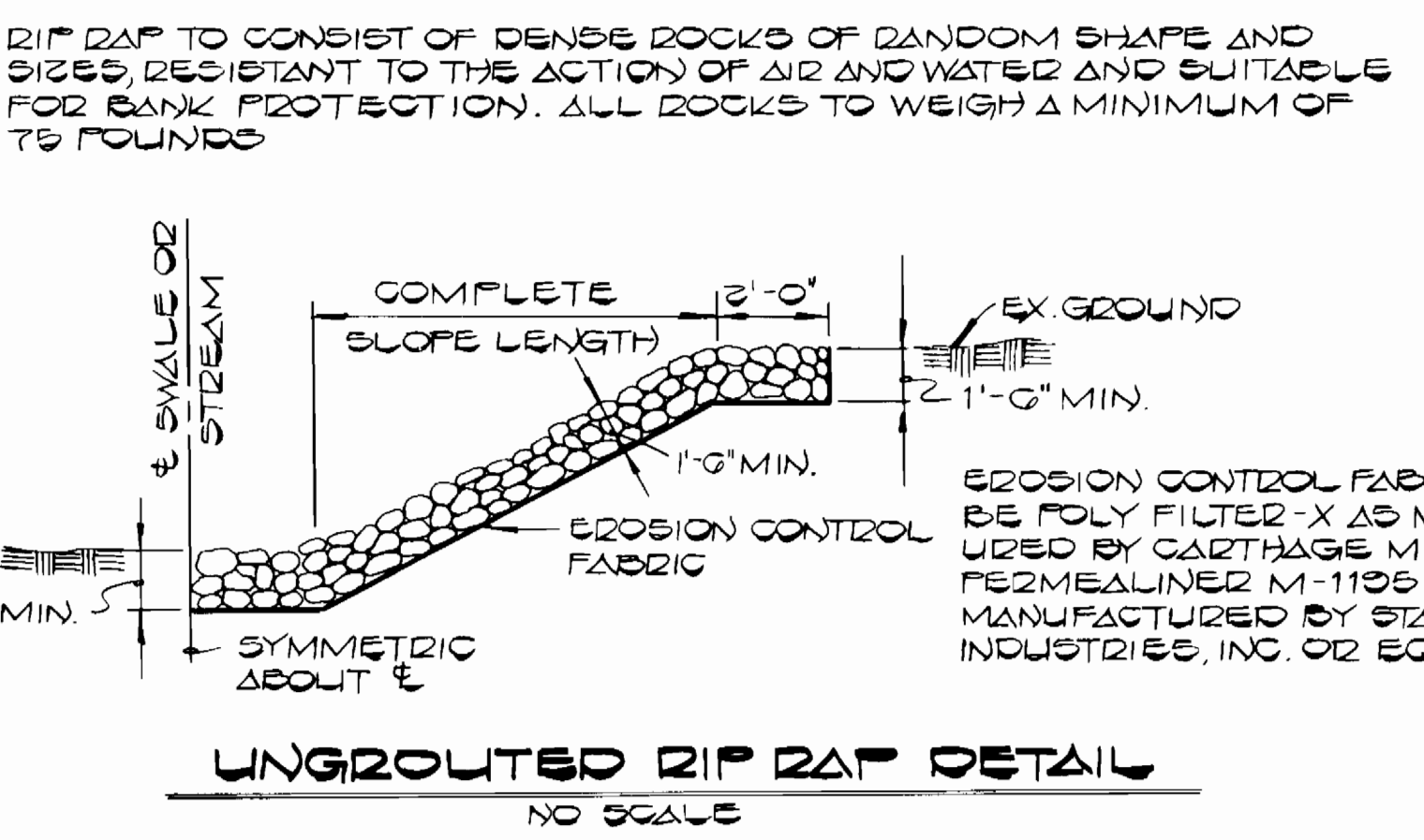
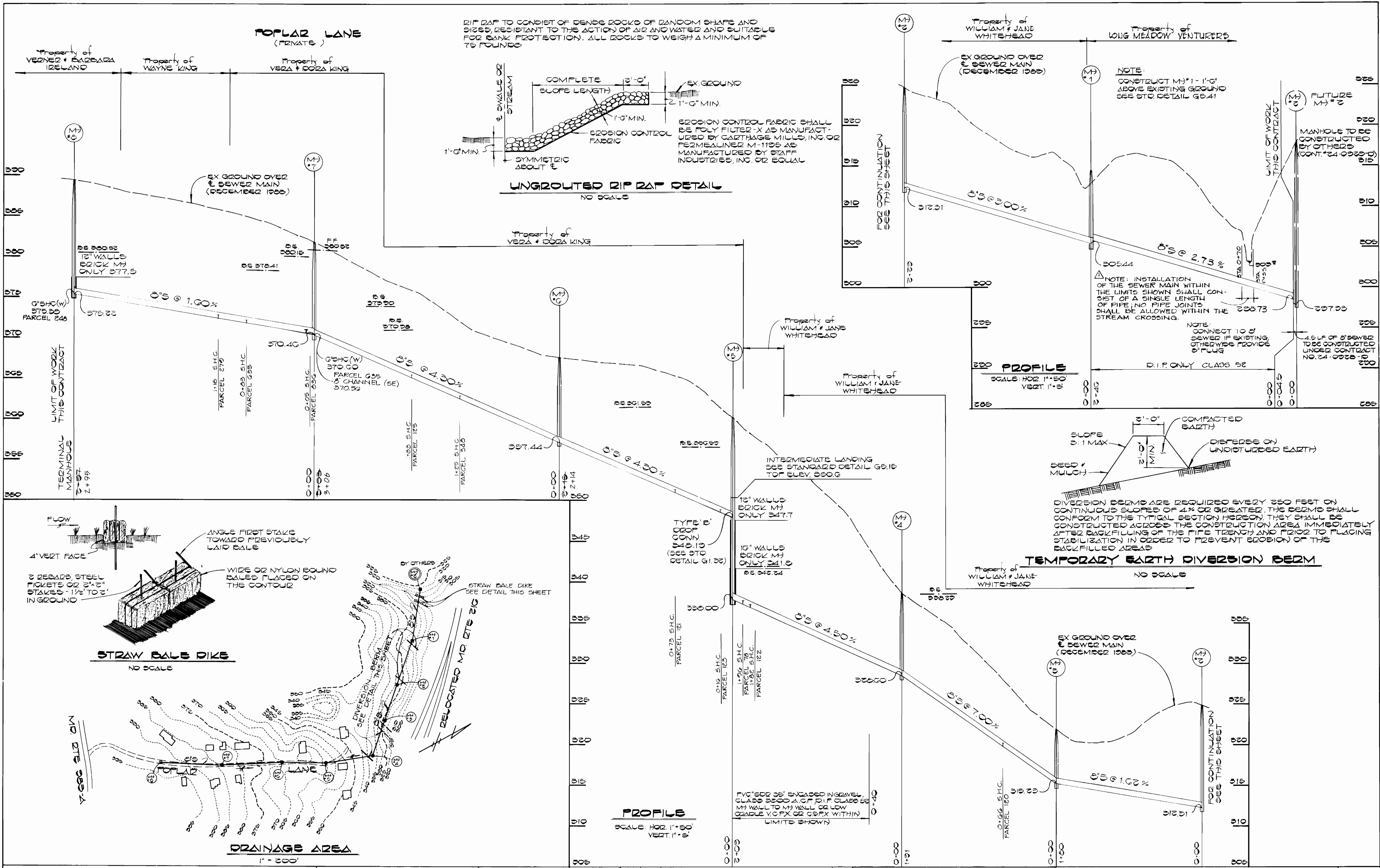
PLAN
SEWER MAINS

600' SCALE MAP NO. 46 B 47 - BLOCK NO.

POPLAR LANE SEWER MAIN
CAPITAL PROJECT NO. S-6128
CONTRACT NO. 20-1190
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE
1" = 50'

SHEET
2 OF 3



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS DATE: 6-5-84
CHIEF, BUREAU OF UTILITIES

CHIEF, BUREAU OF ENGINEERING DATE: 5/1/84
CHIEF, UTILITY DIVISION

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

8388 COURT AVENUE
ELLICOTT CITY, MARYLAND
461-2855

STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER
TERRELL A. FISHER

DES: D.B.S.	
DRN: D.B.S.	
CHK: T.A.F.	
DATE: 1-10-84	
BY: NO	
REVISION	Note added - Future M1*2 & Prop. M1*1.
DATE: 7/17/88	

PROFILES AND DETAILS
SEWER MAINS

600' SCALE MAP NO. 468.47 BLOCK NO.

POPLAR LANE SEWER MAIN

CAPITAL PROJECT NO. S-6128
CONTRACT NO. 20-1190
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 3