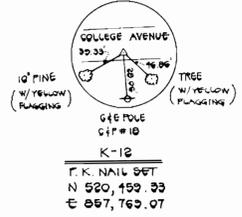
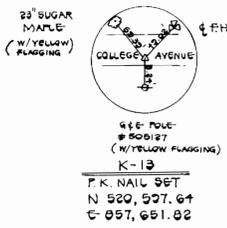


INLET PROTECTION DETAIL
NOT TO SCALE

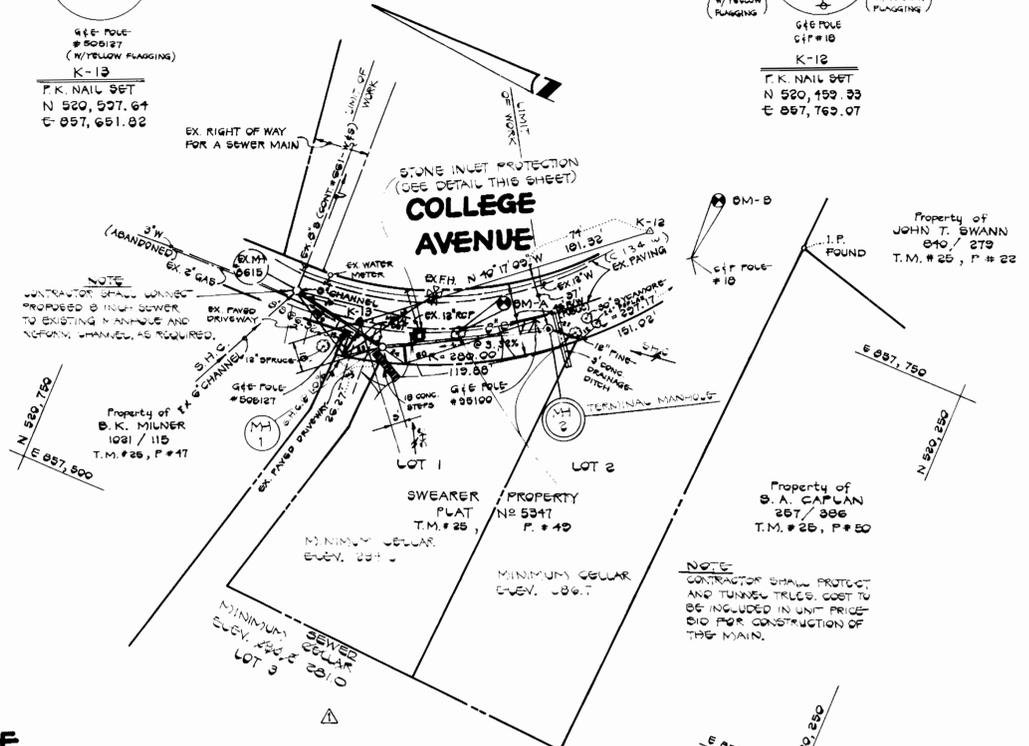
SEWER HOUSE CONNECTION
INVERT ELEVATIONS
AT PROPERTY LINE

STATION	LOT	INVERT
EX MH # 8616 TO MH # 1		
0+14 (RT) 0.0%	LOT # 3	270.00
MH # 1 TO MH # 2		
0+10 (RT)	LOT # 1	270.00
MH # 2	LOT # 2	271.50

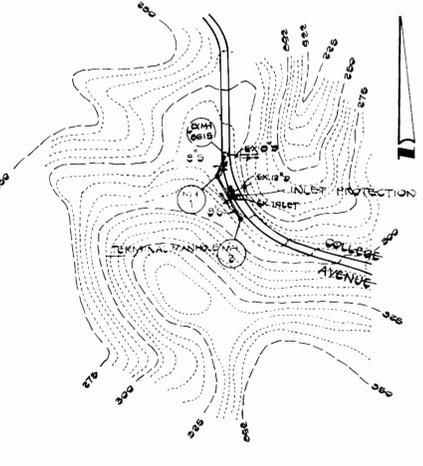


BENCH MARK:

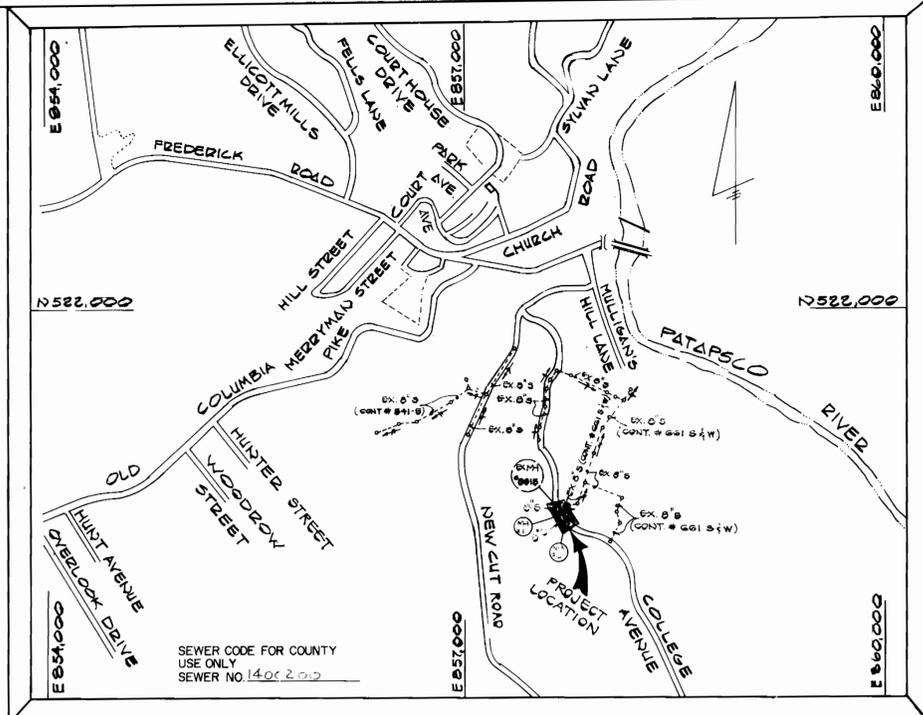
BM - A ELEV. 281.76
R/R SPIKE SET BASE 22" SUGAR MAPLE EAST SIDE COLLEGE AVE. 50' EAST K-12
BM - B ELEV. 289.73
R/R SPIKE SET ROAD SIDE 4" POLE #18 W SIDE COLLEGE AVE. 20' WEST K-12



PLAN
SCALE: 1" = 50'



DRAINAGE AREA MAP
SCALE: 1" = 200'



VICINITY MAP
SCALE: 1" = 600'

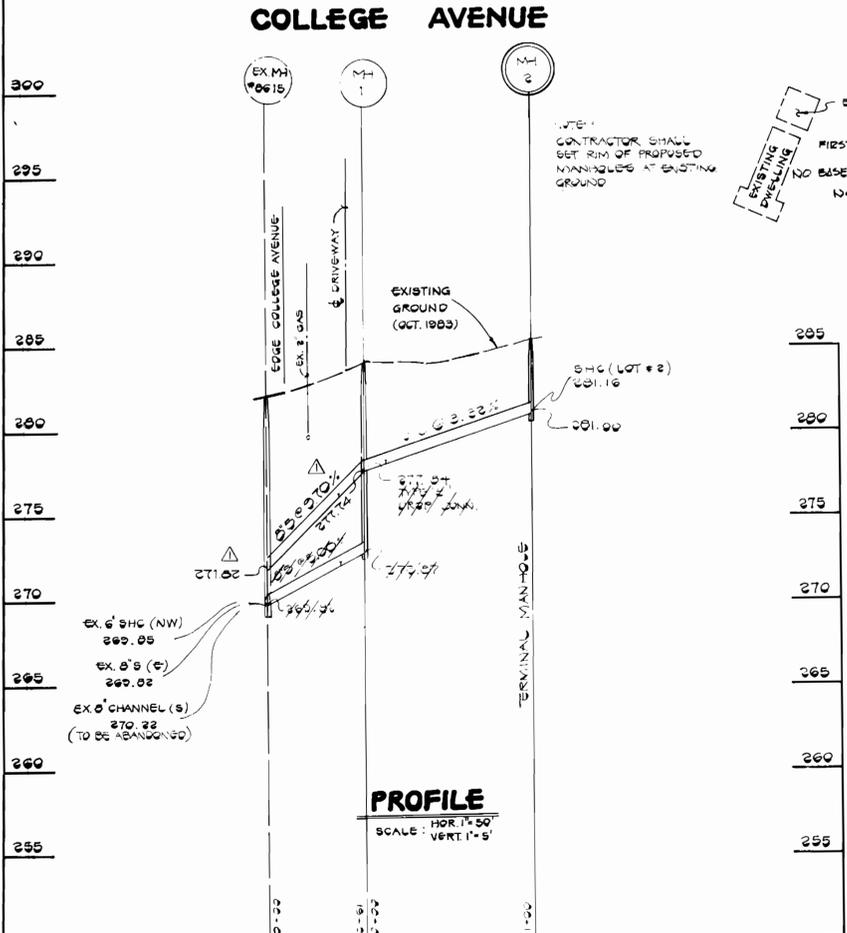
TYPE OF BUILDING: SINGLE FAMILY - RESIDENTIAL
NUMBER OF LOTS: 3
NO. OF SEWER HOUSE CONN.: 3
DRAINAGE AREA: PATAPSCO

SEWER CODE FOR COUNTY
USE ONLY NO. 1400.200

GENERAL NOTES

- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING 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". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT THE POLE SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS.
- FOR MATERIAL AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE: 685-0123
BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE: 685-0123
MSS UTILITY - 1-555-0100
CHESAPEAKE & POTOMAC TELEPHONE COMPANY: 725-9976
BUREAU OF UTILITIES - HOWARD COUNTY: 992-2366
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES 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 HIGHWAYS ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., P.V.C., V.C.P.X., OR A.C.P. CLASS 2400 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.

ITEM	EST'D	AS-BUILT	SUPPLIER
8" SEWER	161 L.F.	161 L.F.	JOHNS-MAN SDR-35
6" SEWER	51 L.F.	51 L.F.	JOHNS-MAN SDR-35
MANHOLE	2 EA.	2	TERRE HILL



PROFILE
SCALE: HOR. 1" = 50', VERT. 1" = 5'

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THESE SPECIFICATIONS. THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: *[Signature]* DATE: 10-26-83
HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
[Signature] DATE: 10-26-83
U.S. SOIL CONSERVATION DISTRICT

CONTRACT NO. 10-1167-D
SWEARER PROPERTY (LOTS 1-4)
SEWER EXTENSION
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director of Public Works: *[Signature]* DATE: 11-1-83
Chief, Bureau of Engineering: *[Signature]* DATE: 11-1-83
Chief, Bureau of Utilities: *[Signature]* DATE: 11-2-83
Chief, Land Development Division: *[Signature]* DATE: 11-1-83

FISHER, COLLINS, AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
461-2855
DATE: 10/21/83
TERRELL A. FISHER

DES. D.B.S.	DRN. D.B.S.	CHK. T.A.F.	BY	NO.	REVISION	DATE
					REVISE SLOPE EXISTING TO MH 1 FOR SERVICE TO LOT 3 ONLY	11-25-83

PLAN, PROFILE AND DETAILS
SEWER MAIN

SWEARER PROPERTY
(LOTS 1-4)
CONTRACT NO. 10-1167-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET 1 OF 1
AS-BUILT JULY 30, 1984