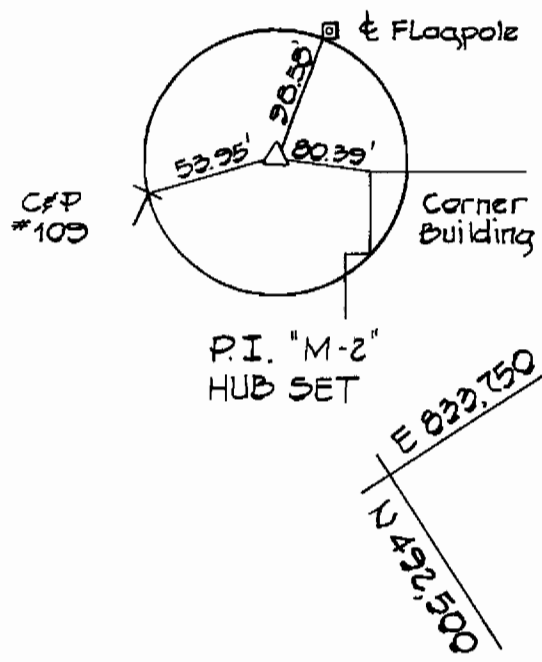


BENCH MARKS

D.M. #1 ELEV. 404.43
 * Cut in rim of Ex. Manhole #32 at intersection of Springing Step and Greatnews Lane.
 D.M. #2 ELEV. 410.44
 R.R. Spike in D&E Pole #10216, ±75' S.E. of Traverse Station "M-2".



Note: Test pit to locate existing septic pipeline. Construct manhole over existing pipe and/or extend existing pipeline to manhole at 2%.

Note: Test pit to locate existing septic pipeline and construct manhole over existing pipe.

Note: Contractor shall pump out existing septic tank and fill with sand.

MARYLAND ROUTE #32

Property of RICHARD W. MEYERS, JR. & ALICE M. MEYERS 373/632

PROFILE

Hor: 1"=100'
 Vert: 1"=10'

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTIONS 14-05 & 14-06 OF THE SPECIFICATIONS.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 JAMES L. FISHER 5-19-80 DATE
 CHIEF, SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 WILLIAM J. FISHER 5/19/80 DATE
 DISTRICT ENGINEER
 HOWARD SOIL CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND
 JAMES L. FISHER 5/28/80 DATE
 CHIEF, BUREAU OF UTILITIES

HOWARD COUNTY, MARYLAND
 DONALD F. NEUMEYER 5-29-80 DATE
 CHIEF, BUREAU OF ENGINEERING

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

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND
 DONALD F. NEUMEYER 5-29-80 DATE
 DIRECTOR OF PUBLIC WORKS

CONTRACT NO. 20-0916-D

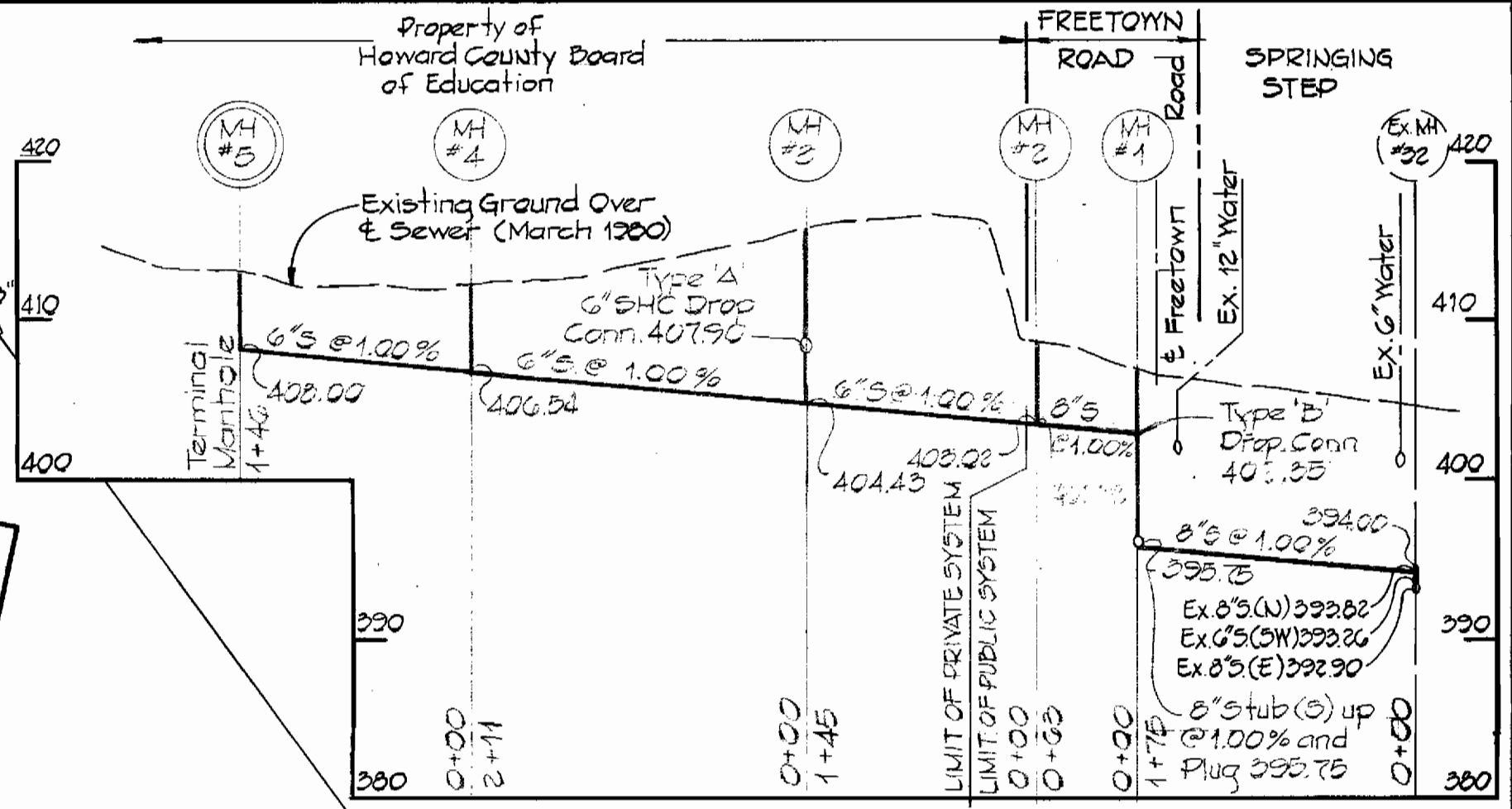
PLAN & PROFILE
 SEWER MAINS

FREETOWN ROAD
 HOWARD COUNTY BOARD OF EDUCATION
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

DRAWING NO. 1 OF 1

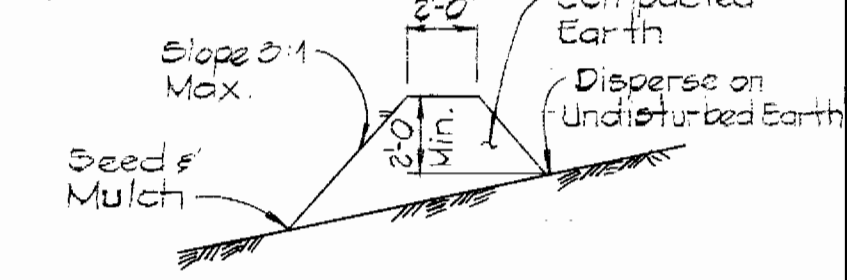
SCALE
 AS SHOWN

DES: T.A.F.
 DRN: D.B.S.
 CHK: T.A.F.



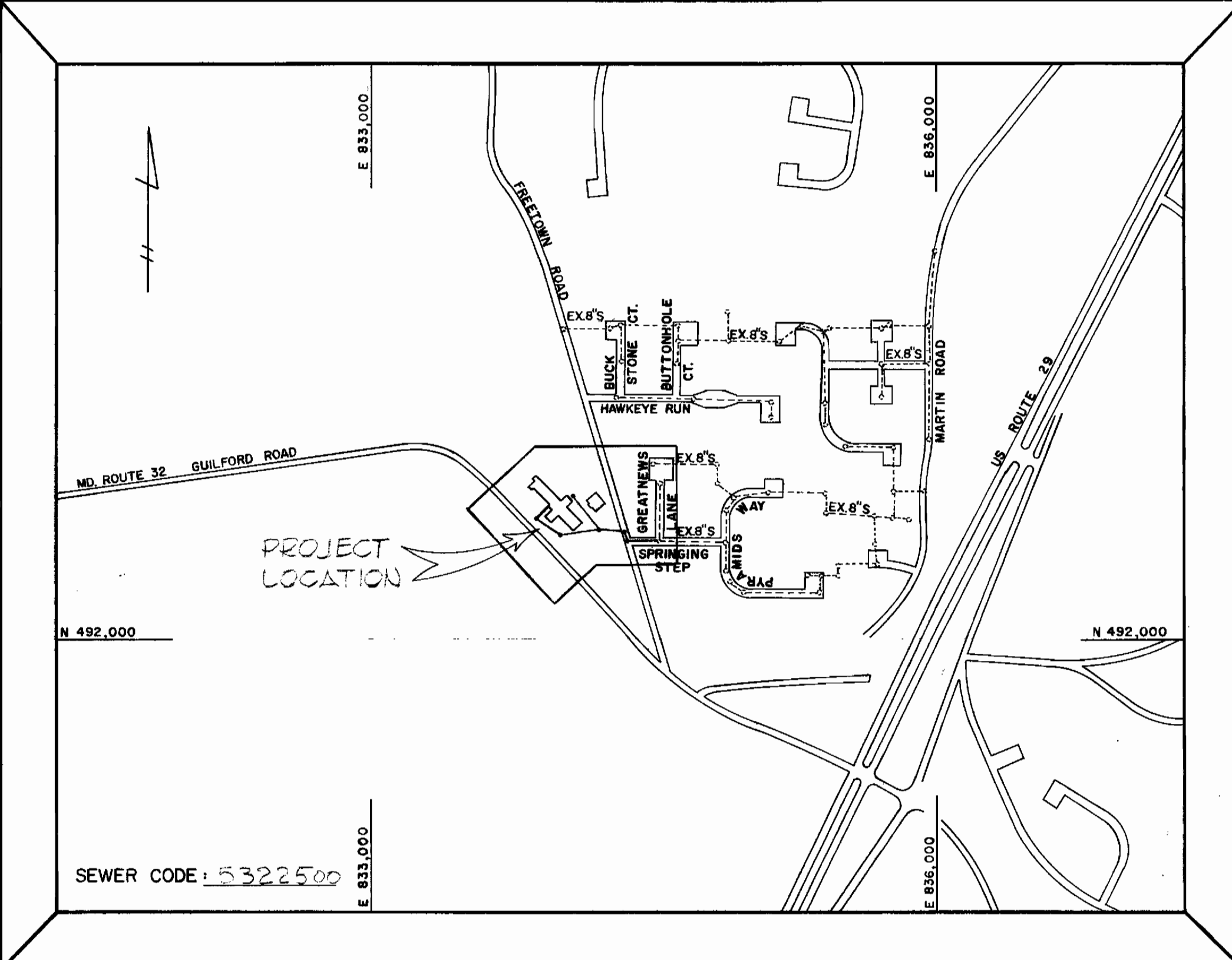
PROFILE

Hor: 1"=100'
 Vert: 1"=10'



Diversion berms are required every 200 feet on continuous slopes of 4% or greater. The berms shall conform to the typical section shown herein. They shall be constructed across the construction area immediately after the backfilling of the pipe trench and prior to placing stabilization in order to prevent erosion of the backfilled area.

TEMPORARY EARTH DIVERSION BERM
 No Scale



TYPE OF BUILDING	OFFICES	VICINITY MAP SCALE: 1"=600'
NUMBER OF LOTS	1 PARCEL	
DRAINAGE AREA	LITTLE PATUXENT	

GENERAL NOTES

- APPROXIMATE LOCATIONS OF EXISTING UTILITIES 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.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES.
- FOR ALL STANDARD DETAILS SEE STANDARDS BOUND IN SPECIFICATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6" VERTICALLY, CLEAR ALL UTILITY POLES BY 2'-0" MINIMUM OR TUNNEL, AS REQUIRED. ANY COSTS INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING POLES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EXCAVATION.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITH 2'-0" OF EXTERIOR MANHOLE WALLS.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER.
- ALL HORIZONTAL & VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
- ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X. OR A.C.P. CLASS 2400 UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK ON THESE DRAWINGS:
 BALTIMORE GAS & ELECTRIC CO. - UNDERGROUND ELECTRIC - (234-5691)
 C & P TELEPHONE CO. - (393-3648)
 BALTIMORE GAS & ELECTRIC CO. - UNDERGROUND GAS - (234-5621)
 MISS UTILITY - (1-559-0100)
 HOWARD COUNTY BUREAU OF UTILITIES - (992-2366)

ITEM	PUBLIC EST'D	QUANTITY				
		AS BUILT	SUPPLIER	PRIVATE EST'D	AS BUILT	SUPPLIER
6" Sewer	4.5 L.F.	5.0 L.F.	P.V.C./A/P	7.0 L.F.		
8" Sewer	2.0 L.F.	2.4 L.F.	P.V.C./A/P	0		
Manholes	1.0 V.F.	15.0 V.F.	ATLANTIC PRECAST	2.0 V.F.		

CONTRACT NO. 20-0916-D
 FREETOWN ROAD
 HOWARD COUNTY BOARD OF EDUCATION
 SEWER MAIN EXTENSION