

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

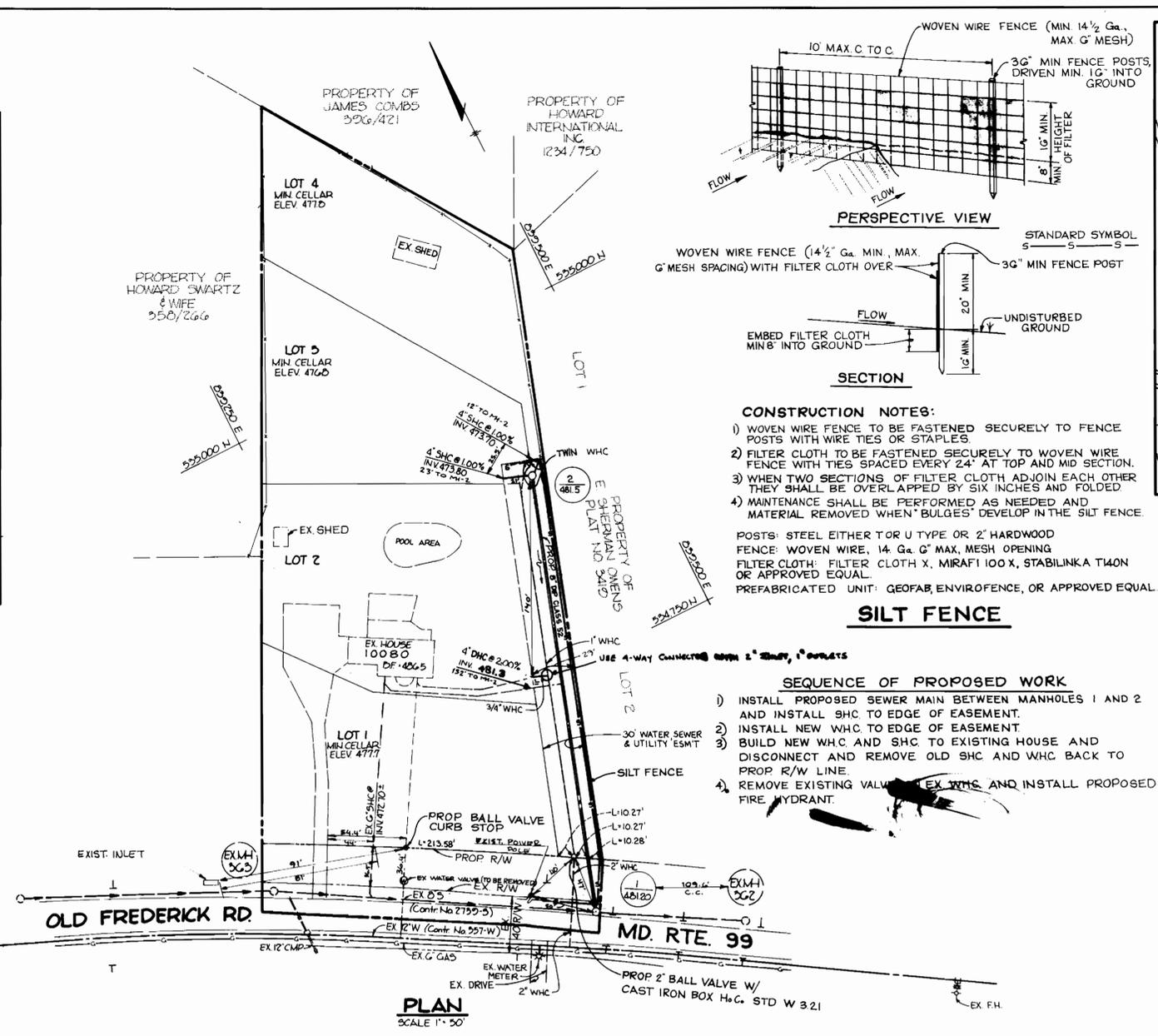
HOWARD SOIL CONSERVATION DISTRICT:
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT
AND MEETS TECHNICAL REQUIREMENTS

James M. Helms 4/24/91
U.S. SOIL CONSERVATION SERVICE DATE

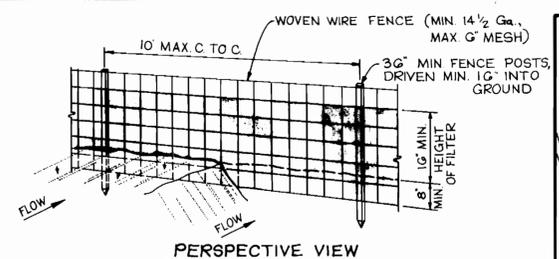
THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. Roberts 4/24/91
HOWARD SOIL CONSERVATION DISTRICT DATE

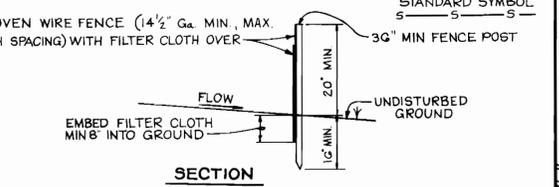
SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE
IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE
HOWARD COUNTY STANDARD SPECIFICATIONS
FINAL PLAT F-91-43



PLAN
SCALE 1"=50'



PERSPECTIVE VIEW



SECTION

CONSTRUCTION NOTES:

- 1) WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - 2) FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - 3) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - 4) MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER TOR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14 Ga. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER CLOTH X, MIRAFI 100 X, STABILINKA T40N OR APPROVED EQUAL.
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

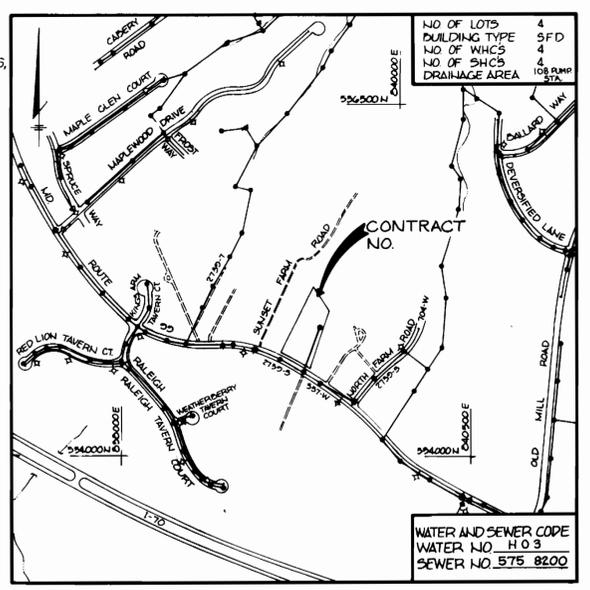
SILT FENCE

SEQUENCE OF PROPOSED WORK

- 1) INSTALL PROPOSED SEWER MAIN BETWEEN MANHOLES 1 AND 2 AND INSTALL SHC TO EDGE OF EASEMENT.
- 2) INSTALL NEW WHC TO EDGE OF EASEMENT.
- 3) BUILD NEW WHC AND SHC TO EXISTING HOUSE AND DISCONNECT AND REMOVE OLD SHC AND WHC BACK TO PROP R/W LINE.
- 4) REMOVE EXISTING VALVE EX WHC AND INSTALL PROPOSED FIRE HYDRANT.

NOTE: EXISTING SHC AND EXISTING WHC TO THE EX. HOUSE ON LOT 2 SHALL BE ABANDONED AND REMOVED OUT TO THE PROP ROAD RIGHT-OF-WAY AND UTILIZED FOR LOT 1 AFTER PROVIDING NEW CONNECTIONS FOR THE EXISTING HOUSE.

QUANTITIES			
ITEM	QUANTITY	AS-BUILT	SUPPLIER
MANHOLES	2 EA.	2 EA.	ATLANTIC CONC. PRODS.
6" SEWER	315 LF.	311 LF.	GREENE PIPE PRODS.
4" SHC	50 LF.	74 LF.	"
1" WHC	145 LF.	155 LF.	MUELLER BRASS
3/4" WHC	82 LF.	72 LF.	"
2" WHC	190 LF.	159 LF.	"



VICINITY MAP
SCALE 1"=600'

GENERAL NOTES

1. 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.
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.C. DATA.
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITY COMPANY AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES ADDITIONAL BRACING OF POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO SCHEDULE THE BRACING OF THE POLES.
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.
7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR TESTS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT THE CONTRACTOR'S EXPENSE.
8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
C&P TELEPHONE.....1-800-257-7777
STATE HIGHWAY ADMINISTRATION.....531-5533
BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES.....850-4620
BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL.....869-9004
BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING.....298-9001
MISS UTILITY.....1-559-0100
COLONIAL PIPELINE CO.....795-1390
BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.....313-4900
9. 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 EXCAVATION AND BACKFILL.
11. PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE OPERATIONS.
12. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
13. TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
14. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
15. BLOCK ALL FITTINGS WITH CONCRETE.
16. BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 1000 AND 1005 OF THE GENERAL REQUIREMENTS FOR WATER AND SEWER.
17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
18. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
19. ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPEC. C-153 DUCTILE IRON COMPACT FITTINGS 3"-12" FOR WATER AND OTHER LIQUIDS.
20. THE SERVICE CLAMPS ARE TO HAVE STAINLESS STEEL STRAPS.
21. ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X. OR PVC UNLESS OTHERWISE NOTED.
22. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
23. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
24. MANHOLES SHOWN WITH 12" AND 18" WALLS ARE BRICK MANHOLES ONLY.
25. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS. STANDARD DETAIL 05.52 VOLUME IV WHERE WATERTIGHT MANHOLE IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE.
26. HOUSE (S) WITH SYMBOL "C.N.S." INDICATES CELLAR CANNOT BE SERVED.
27. ALL WATER HOUSE CONNECTIONS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 12" ABOVE ALL SANITARY SEWER CROSSINGS.
28. ALL SANITARY SEWER HOUSE CONNECTIONS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 12" BELOW ALL WATER MAIN CROSSINGS.
29. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
30. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Helms 4/24/91
DIRECTOR OF PUBLIC WORKS DATE

John R. Roberts 4-17-91
CHIEF, BUREAU OF UTILITIES DATE

John R. Roberts 4-23-91
CHIEF, BUREAU OF ENGINEERING DATE

John R. Roberts 4/24/91
CHIEF, LAND DEVELOPMENT DIVISION DATE

TRACY, SCHULTE &
ASSOCIATES INC.

planning • engineering • surveying
8480 Baltimore National Pike • Suite 418
Ellicott City, Maryland 21043

DES: DAM
DRN: JLM
CHK:
DATE: 8-22-90

BY	NO.	REVISIONS	DATE

PLAN AND PROFILE
OF A SEWER MAIN

600 SCALE MAP NO. 17
BLOCK NO. 8

MARK KLEIN PROPERTY
LOTS 1 THRU 4
ELECTION DISTRICT NO. 2

CONTRACT NO. 24-3113-D

SCALE AS SHOWN
SHEET 1 OF 1

2-14-92