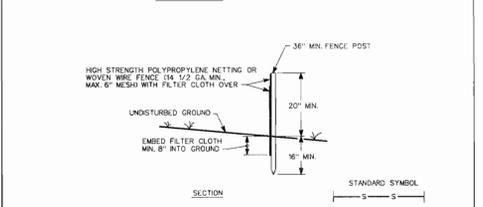
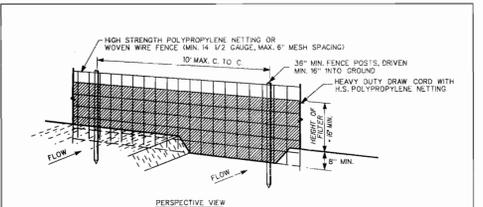
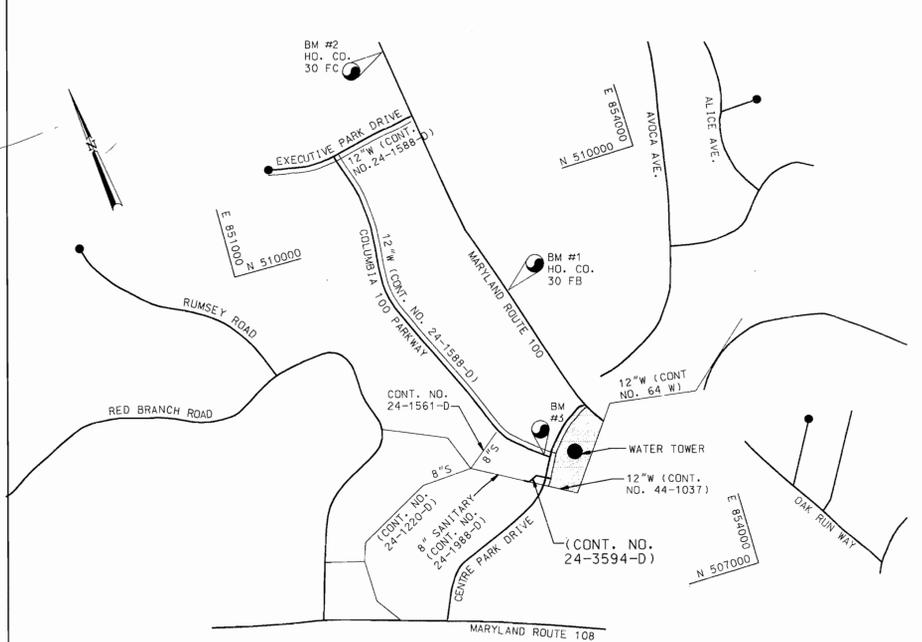


PLAN VIEW
SCALE: 1" = 50'

- ### BENCHMARK INFORMATION
- BENCHMARK #1: HOWARD COUNTY CONTROL 30FB: ALUMINUM DISC SET ON 3/4" REBAR.
N 509385
E 852776
ELEV. 500.632
 - BENCHMARK #2: HOWARD COUNTY CONTROL 30FC: ALUMINUM DISC SET ON 3/4" REBAR.
N 512168
E 852252
ELEV. 386.927
 - BENCHMARK #3: PIN/CAP SET NEAR NORTHWEST CORNER OF INTERSECTION OF COLUMBIA 100 PARKWAY AND CENTRE PARK DRIVE. (NOT A PART OF HOWARD COUNTY CONTROL)
ELEV. 504.69



- ### CONSTRUCTION SPECIFICATIONS
- HIGH STRENGTH POLYPROPYLENE NETTING OR WOVEN WIRE FENCE (MIN. 1/2 GA. MIN. 6" MESH SPACING).
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "MUDS" DEVELOP IN THE SILT FENCE.
- U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
COLLEGE PARK, MD



WATER CODE 602
SEWER CODE 5657400
TEST GRADIENT 780

INFORMATION BLOCK

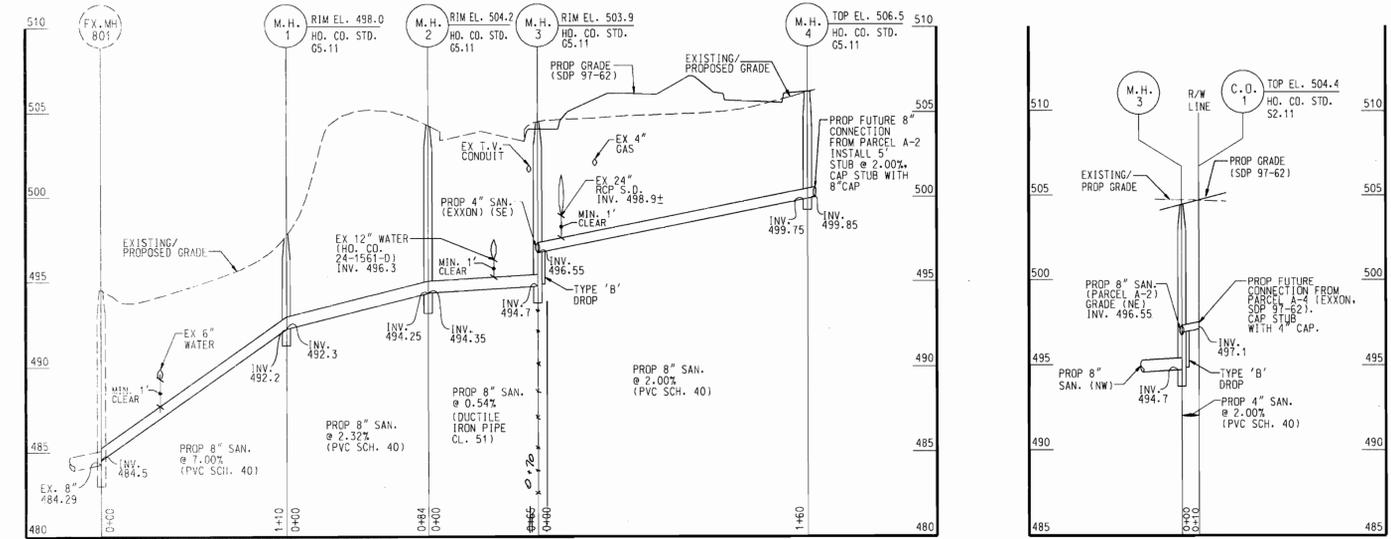
TYPE OF BUILDING: COMMERCIAL
NO. OF LOTS/PARCELS: 2
NO. OF SEWER HOUSE CONNECTIONS: 1
NO. OF WATER MAIN CONNECTIONS: 1
DRAINAGE AREA: 4.05 AC.
TREATMENT PLANT: LITTLE PATUXENT WATER QUALITY MANAGEMENT CENTER: SAVAGE, HOWARD COUNTY

VICINITY MAP

SCALE: 1" = 600'

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. (NORTH AMERICAN DATUM OF 1983 (NAD '83)).
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- 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. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- 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 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 LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
STATE HIGHWAY ADMINISTRATION 531-5533
BGE CONTRACTOR SERVICES 850-4620
BGE UNDER GROUND DAMAGE CONTROL 781-9048
MISS UTILITY 1-800-257-7777
COLONIAL PIPELINE CO. 795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 313-4900
BUREAU OF UTILITIES
- 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. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPM REQUIREMENTS PER SECTION 18.114 (A) OF THE HOWARD COUNTY CODE.
- ALL SEWER MAINS SHALL BE DIP CL. 51 OR P.V.C. SCH. 40 UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER TIGHT FRAME AND COVERS, STANDARD DETAIL G.52. WHERE WATER TIGHT FRAME AND COVER IS USED, SET TOP OF FRAME 1" - 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.



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

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" PVC SEWER	354 LF	354 L.F.	8" P.V.C. SCH. 40	JOHN MANVILLE
MANHOLES	4 EA	4 EA	MANHOLES	AMERICAST
8" DUCTILE IRON PIPE SEWER	65 LF	72% L.F.	8" DUCTILE IRON CL. 51	GRIFFIN PIPE
VERTICAL DEPTH OF MANHOLES	35 VLF	35 V.F.		AMERICAST
4" SEWER HOUSE CONNECTION	10 LF	10 L.F.		JOHN MANVILLE
2" WATER MAIN CONNECTION	10 LF	10 L.F.		"

NAME OF UTILITY CONTRACTOR: HOPKINS, WAYSON
SURVEY AND DRAFTING DIVISION AS-BUILT DATE

RESTORATION TABLE

SOD AND PEG ALL NON-IMPERVIOUS AREAS IMMEDIATELY UPON BACKFILL OF TRENCH.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN, SDP-97-73

PLAT REF. NO.: 7538. 12535
SITE PLAN REF. NO.: 97-62

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

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Cheryl Simmons 4/2/97
U.S. NATURAL RESOURCES CONSERVATION SERVICE

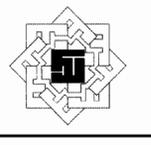
APPROVED: John R. Robertson 4/2/97
HOWARD SOIL CONSERVATION DISTRICT

F:\A FILE NO. 196088\ENGR\PM\SDP\KNALE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. Bauman 3-25-97
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
4/1/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION

DEVELOPER/APPLICANT
EXXON CORPORATION
6301 IVY LANE
SUITE 700
GREENBELT, MARYLAND 20770
PHONE: (1) 301 513-7511
ATTN: MR. ROBERT CASERTA



FREDERICK WARD ASSOCIATES, INC.
ENGINEERS • ARCHITECTS • SURVEYORS
5 SOUTH MAIN STREET BEL AIR, MARYLAND 21014-0727 (410) 879-2090

PLAN AND PROFILE
OF SEWER MAIN
600' SCALE MAP NO. 30 BLOCK NO.

AS-BUILT CONDITION ADDED TO PLAN BY K.C.I. 1/17/90
PARCEL A-2 AND A-4
COLUMBIA 100 OFFICE RESEARCH PARK - EXXON
CENTRE PARK DRIVE SEWER EXTENSION
CONTRACT NO. 24-3594-D
ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 1