

PLAN
SCALE 1" = 50'

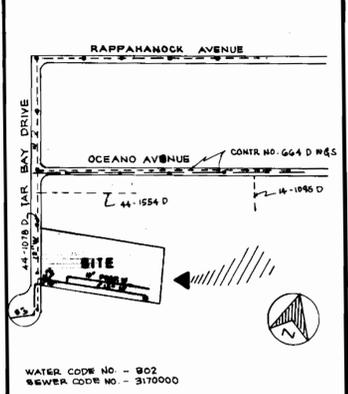
GREATER BALTIMORE CONSOLIDATED WHOLESALE
FOOD MARKET AUTHORITY
523 / 323

BENCH MARKS

BM #1 X CUT IN HYDRANT HOLD DOWN BOLT, 151+00
OCEANO AVE EL. 238.53
BM #2 X CUT 24-25 LEFT 19+00 OCEANO AVE.
EL. 218.73

QUANTITIES			
ITEM	EST'D	AS BUILT	MAT'L / SUPPLIER
6" WATER	60 L.P.	58 L.P.	METCALFE
8" WATER	20 L.P.	20 L.P.	METCALFE
12" WATER	45 L.P.	45 L.P.	METCALFE
FIRE HYDRANTS	3	3	KENNEDY / MUELLER
12" VALVE	2	2	KENNEDY
6" VALVE	3	3	KENNEDY

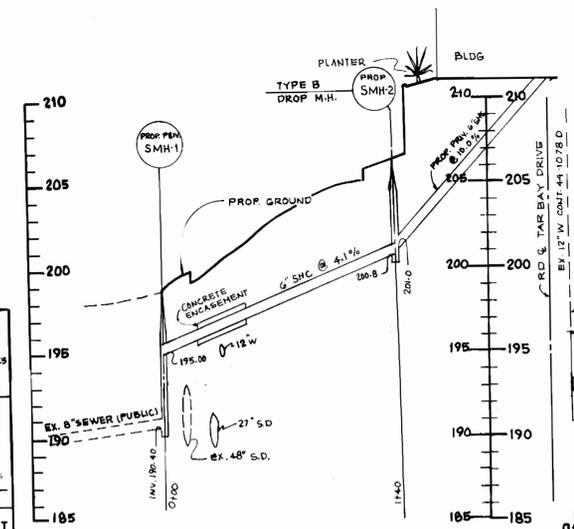
DRAINAGE AREA - LITTLE PATUXENT
TYPE OF BUILDING - COMMERCIAL
NO. OF W.H.C. - 1
NO. OF S.N.C. - 1



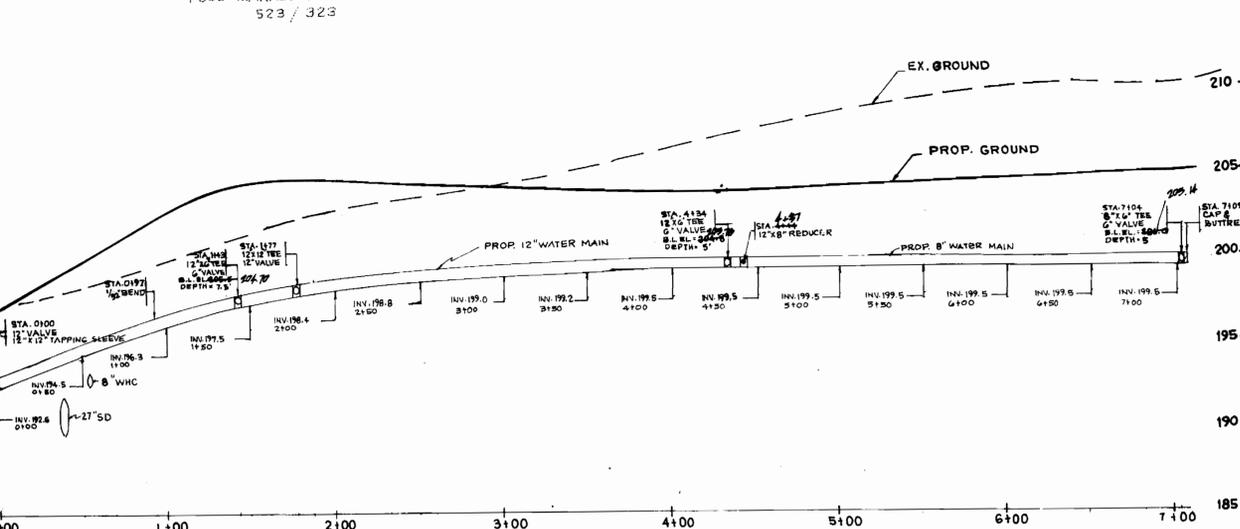
VICINITY MAP
SCALE 1" = 600'

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.
- 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".
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL VOLUME IV: 1989 AMENDMENTS STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. 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 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.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
STATE HIGHWAY ADMINISTRATION : 531-5533
BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES: 561-2585
BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL: 234-5621
BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING: 298-9013
MISS UTILITY: 1-559-0100
COLONIAL PIPELINE COMPANY: 795-1390
BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS: 992-2366
- 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.
- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000.03 & 1005.03 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPED FITTINGS ONLY.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. (STD. DETAIL W.3.21) INSIDE METER SHALL BE FOR COMBINATION OF FIRE & DOMESTIC.
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- MANHOLES DESIGNATED M.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS STANDARD DETAIL G5.52 WHERE WATER-TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR P.W.C. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER, STANDARD DETAIL G5.51.
- ALL WATER HOUSE CONN ARE FOR INSIDE METER SETTING.
- ALL DIP FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATION C-153 DUCTILE IRON COMPACT FITTING, 3" THROUGH 12" FOR WATER AND OTHER LIQUIDS.



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



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

SEDIMENT CONTROL MEASURES FROM THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-89-225

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

U.S. SOIL CONSERVATION SERVICE DATE: 7/18/89

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

HOWARD SOIL CONSERVATION DISTRICT DATE: 7/18/89

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

9/20/89 DATE
9/16/89 DATE

CHIEF BUREAU OF ENGINEERING DATE
CHIEF LAND DEVELOPMENT DIVISION DATE

SEDGHI & ASSOCIATES, LTD.
Engineers - Site Planners - Surveyors

3217 Corporate Court
Ellicott City, MD 21043
(301) 750-9003

DESIGN BY	V.S.	1	SEWER, WATER ELEV. & SIZES	7-24-90
DRAWN BY	V.S.	1	SEWER PROFILE, WATER ELEV.	11-05-90
CHECKED BY				
DATE	BY	NO	REVISION	DATE

WATER & SEWER PLAN & PROFILE
CONTRACT 44-1963-D

MARYLAND WHOLESALE FOOD CENTER
SECTION 3, BLOCK A, PLAT NO. 6096
PARCEL D, TAX MAP 43
HOWARD COUNTY, MARYLAND

OWNER
J. MARK CONSTRUCTION CO. INC.
P.O. BOX 1921
APPLETON, WISCONSIN 54913

SCALE AS SHOWN
SHEET 1 OF 1

WATER "AS BUILT" 10/10/80