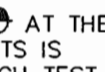


**QUANTITIES**

ITEM	QUANTITIES ESTIMATED	AS - BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" WATER	978			
6" WATER	55			
6" FH	3			
8" VALVES	1			
6" V (EXCLUDING FH VALVES)	1			
4.0' DIA. MANHOLE	1			

UTILITY CONTRACTOR \_\_\_\_\_  
 SURVEY AND DRAFTING DIVISION AS-BUILT DATE \_\_\_\_\_

**GENERAL NOTES**

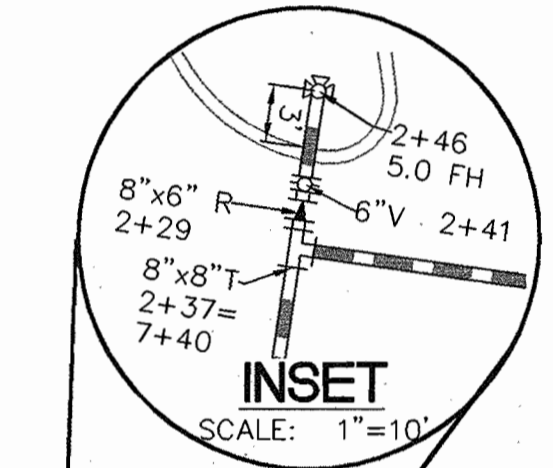
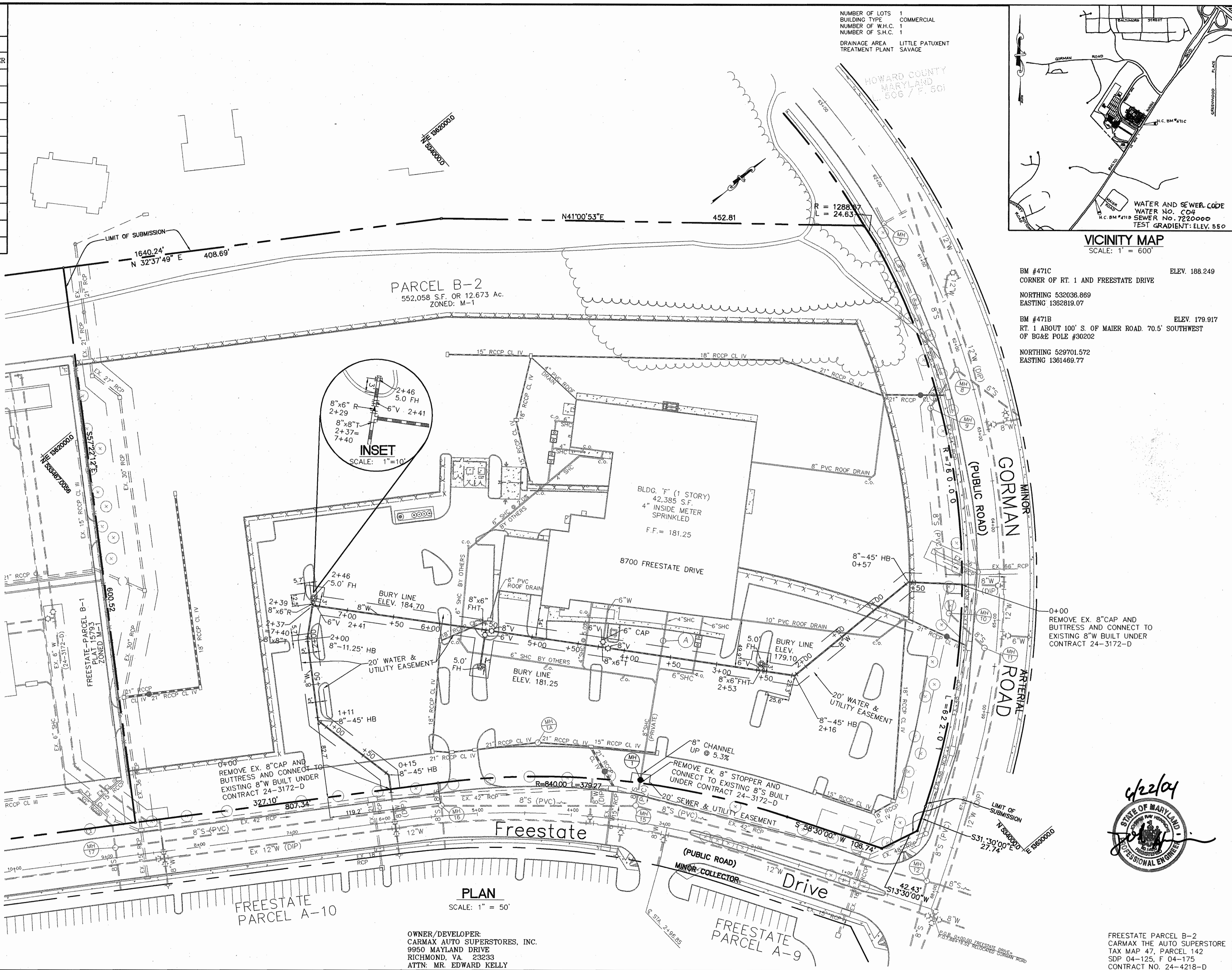
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- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, NAD 83/91.
- ALL VERTICAL CONTROLS ARE BASED ON NAVD 88.
- ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. 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, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS 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 LOCATIONS OF THE TEST PITS. 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.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  
 AT&T.....1-800-252-1133  
 BGE (CONTRACTOR SERVICES).....410-850-4620  
 BGE (UNDERGROUND DAMAGE CONTROL).....410-787-9068  
 BUREAU OF UTILITIES.....410-313-4900  
 COLONIAL PIPELINE CO.....410-795-1390  
 MISS UTILITY.....1-800-257-7177  
 STATE HIGHWAY ADMINISTRATION.....410-531-5533  
 VERIZON.....1-800-743-0033/410-224-9210
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE 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)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(c) OF THE HOWARD COUNTY CODE.
- ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 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 INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER SITE DEVELOPMENT PLAN SDP 04-125

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
*Jim Meyer* 7/1/04 DATE  
 NATURAL RESOURCES CONSERVATION SERVICES  
 THIS PLAN IS REVIEWED FOR SOIL EROSION AND SEDIMENT CONTROL BY  
*John K. Roberts* 7/1/04 DATE  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*John J. ...* 6-25-04 DATE  
 CHIEF, BUREAU OF UTILITIES

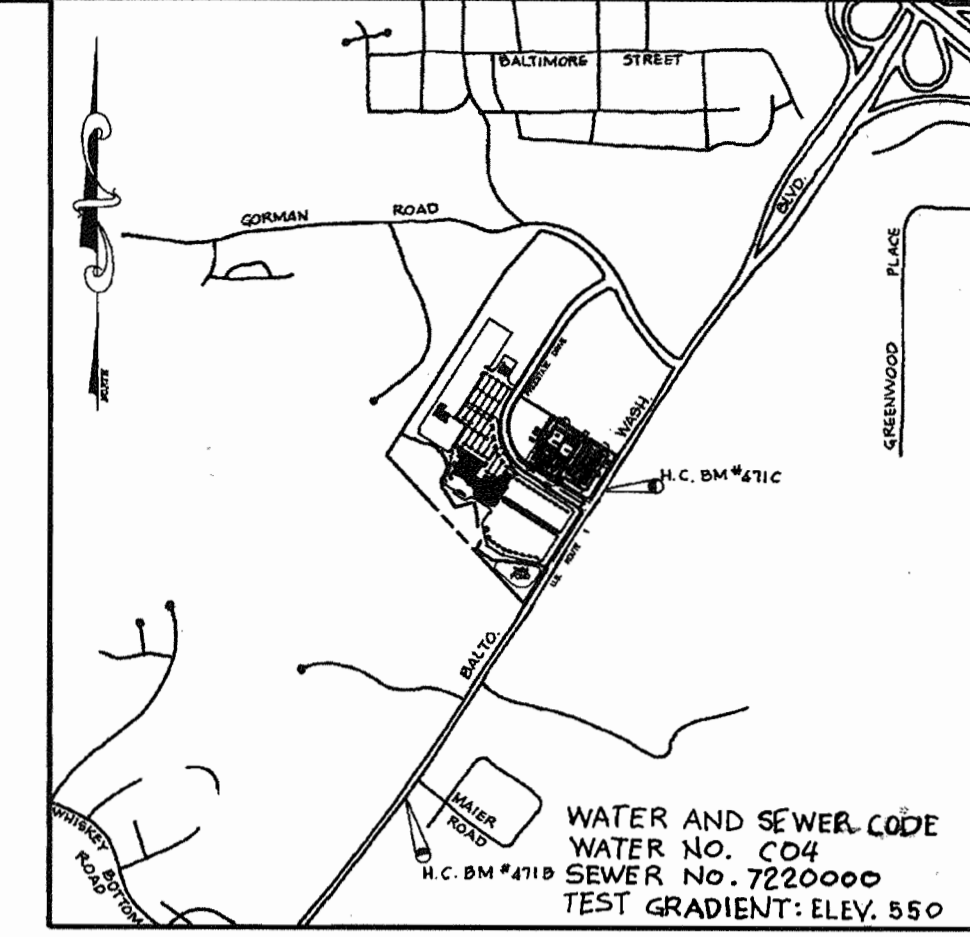
DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
*Michael ...* 7/6/04 DATE  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION



PLAN SCALE: 1" = 50'

OWNER/DEVELOPER:  
 CARMAX AUTO SUPERSTORES, INC.  
 9950 MAYLAND DRIVE  
 RICHMOND, VA 23233  
 ATTN: MR. EDWARD KELLY

NUMBER OF LOTS 1  
 BUILDING TYPE COMMERCIAL  
 NUMBER OF W.H.C. 1  
 NUMBER OF S.H.C. 1  
 DRAINAGE AREA LITTLE PATUXENT  
 TREATMENT PLANT SAVAGE



**VICINITY MAP**  
 SCALE: 1" = 600'

BM #471C  
 CORNER OF RT. 1 AND FREESTATE DRIVE ELEV. 188.249

NORTHING 532036.869  
 EASTING 1362819.07

BM #471B  
 RT. 1 ABOUT 100' S. OF MAIER ROAD. 70.5' SOUTHWEST  
 OF BG&E POLE #30202 ELEV. 179.917

NORTHING 529701.572  
 EASTING 1361469.77



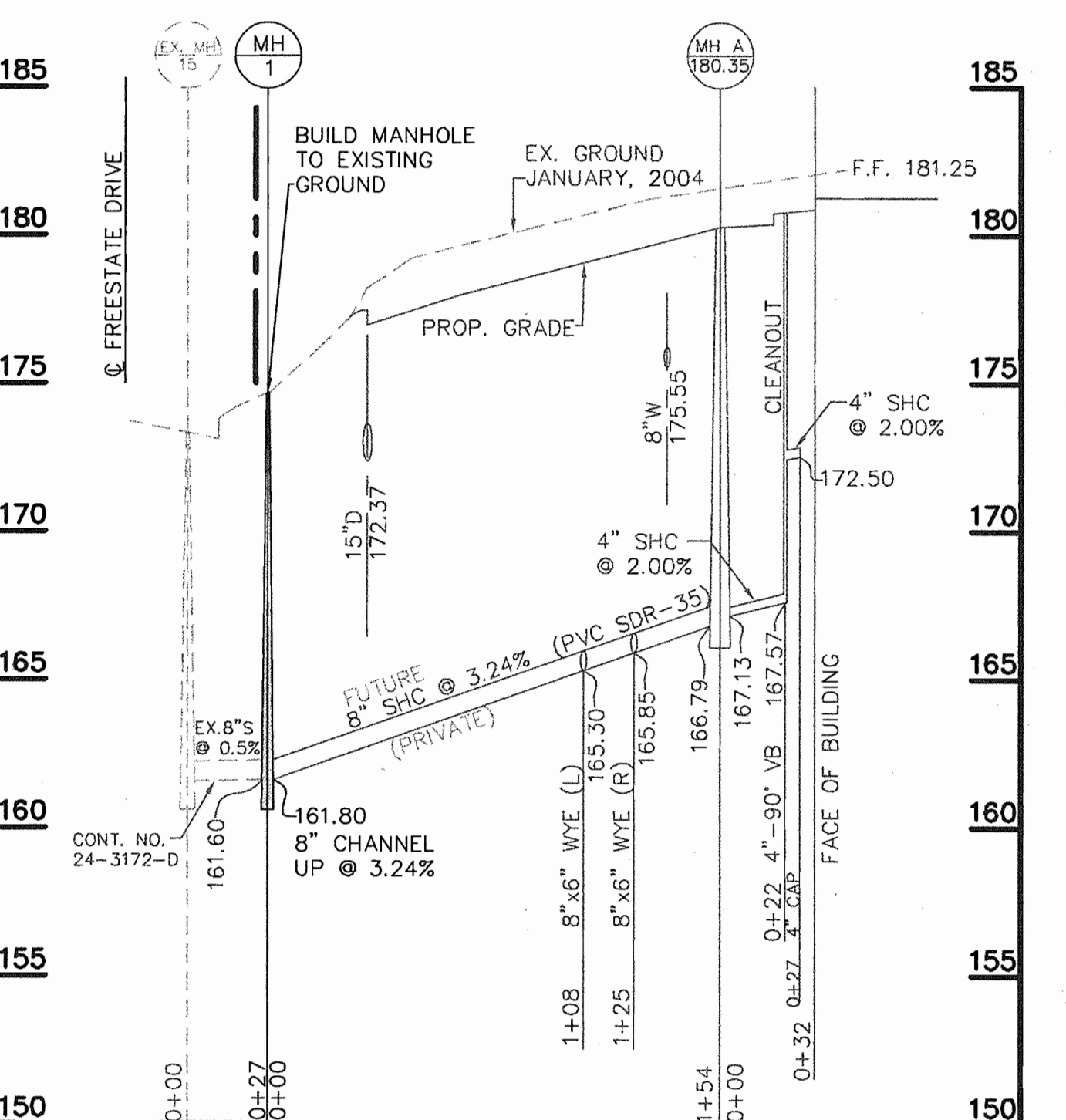
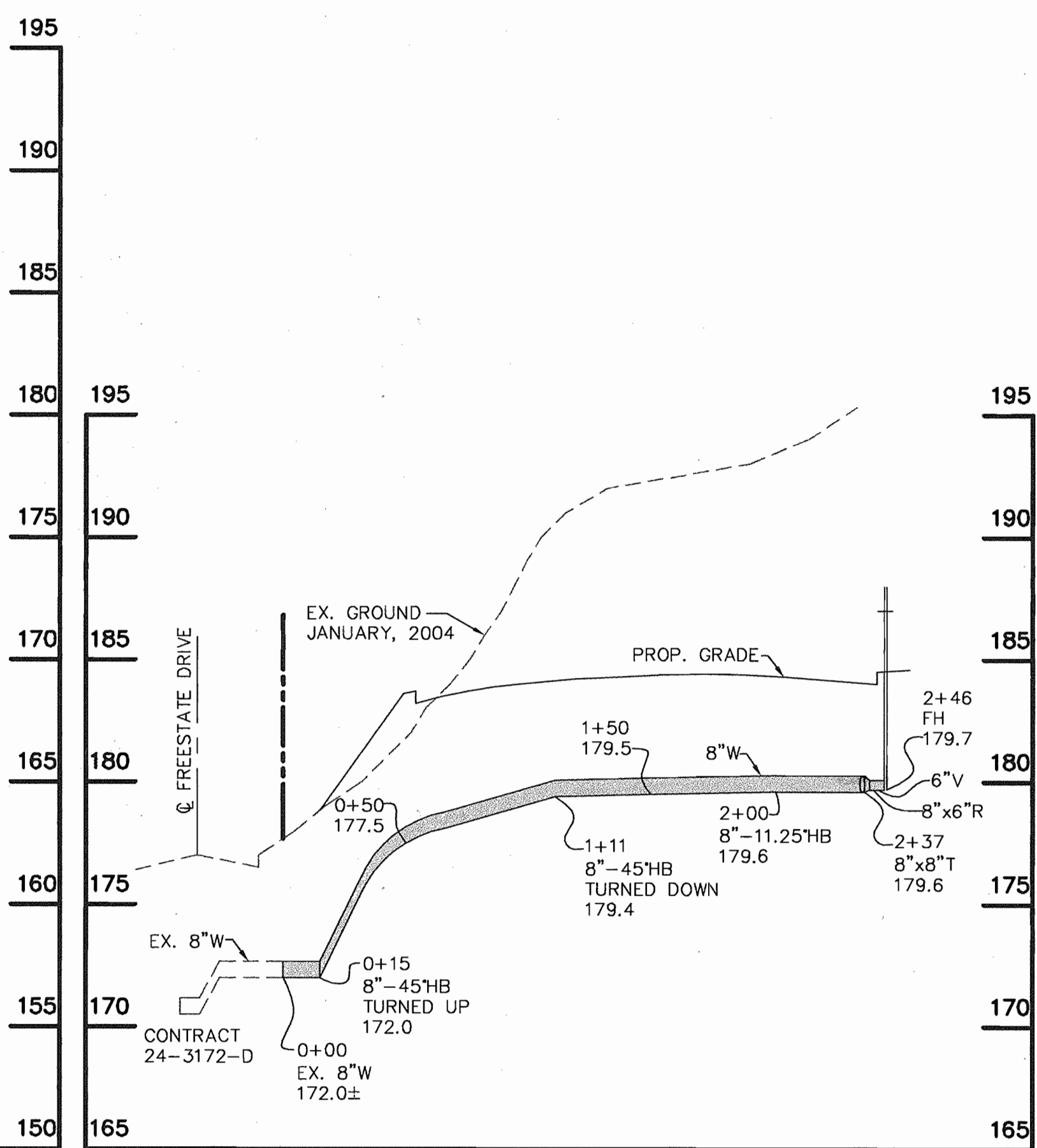
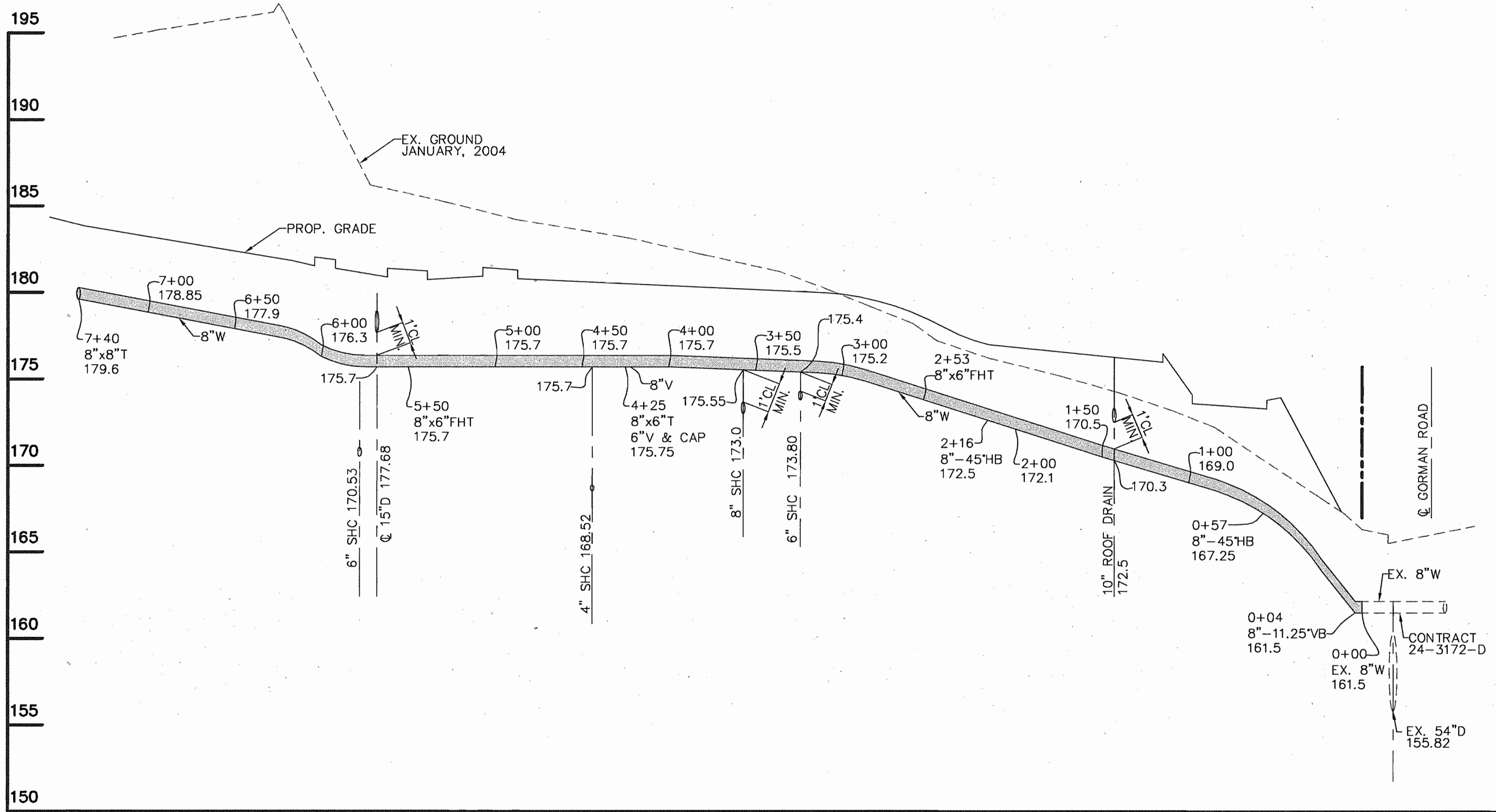
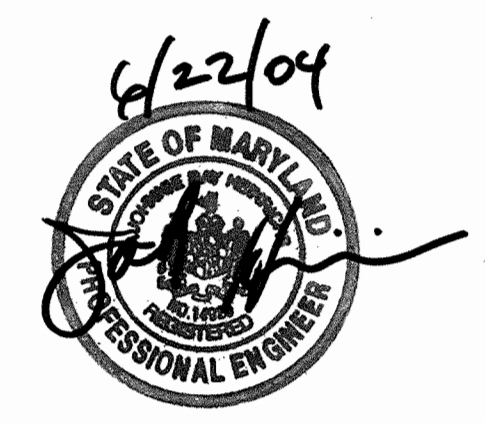
FREESTATE PARCEL B-2  
 CARMAX THE AUTO SUPERSTORE  
 TAX MAP 47, PARCEL 142  
 SDP 04-125, F 04-175  
 CONTRACT NO. 24-4218-D

PLAN OF  
 WATER MAINS  
 600' SCALE MAP NO. 47 BLOCK NO. 17

SCALE: 1" = 50'

DRAWING NO. 1 OF 2  
 PROJ. 04001 WaterPlan.Dwg

DES.	DRN.	CHK.	DATE:	BY	NO.	DESCRIPTION	DATE
R.J.W.	S.E.W.	J.R.H.	4-04				



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Ruth Bump* 6-25-04  
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*Mr. Damm* 7/6/04  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**PHOENIX ENGINEERING, INC.**  
CONSULTING ENGINEERS  
1420-A JOH AVENUE  
BALTIMORE, MARYLAND 21227  
(410) 247-8833

DES: R.J.W.				
DRN: S.E.W.				
CHK: J.R.H.				
DATE: 4-04	BY	NO.	DESCRIPTION	DATE

**PROFILES OF WATER MAINS**

600' SCALE MAP NO. 47 BLOCK NO. 17

FREESTATE PARCEL B-2  
CARMAX THE AUTO SUPERSTORE  
6TH ELECTION DISTRICT  
CONTRACT NO. 24-4218-D

SCALE:  
H: 1" = 50'  
V: 1" = 5'

DRAWING NO. 2 OF 2  
PR02-04-001 PPO1Water.Dwg

**QUANTITIES**

ITEM	QUANTITIES ESTIMATED	AS - BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" WATER	978			
6" WATER	55			
6" FH	3			
8" VALVES	1			
6" V (EXCLUDING FH VALVES)	1			
4.0' DIA. MANHOLE	1			

UTILITY CONTRACTOR	SURVEY AND DRAFTING DIVISION AS-BUILT DATE
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REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*Jim Mays* 7/1/04 DATE  
 NATURAL RESOURCES CONSERVATION SERVICES  
 THIS PLAN IS REVIEWED FOR SOIL EROSION AND SEDIMENT CONTROL BY  
*John K. Robertson* 7/1/04 DATE  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*John J. Quinn* 6-25-04  
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
*William J. ...* 7/1/04  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

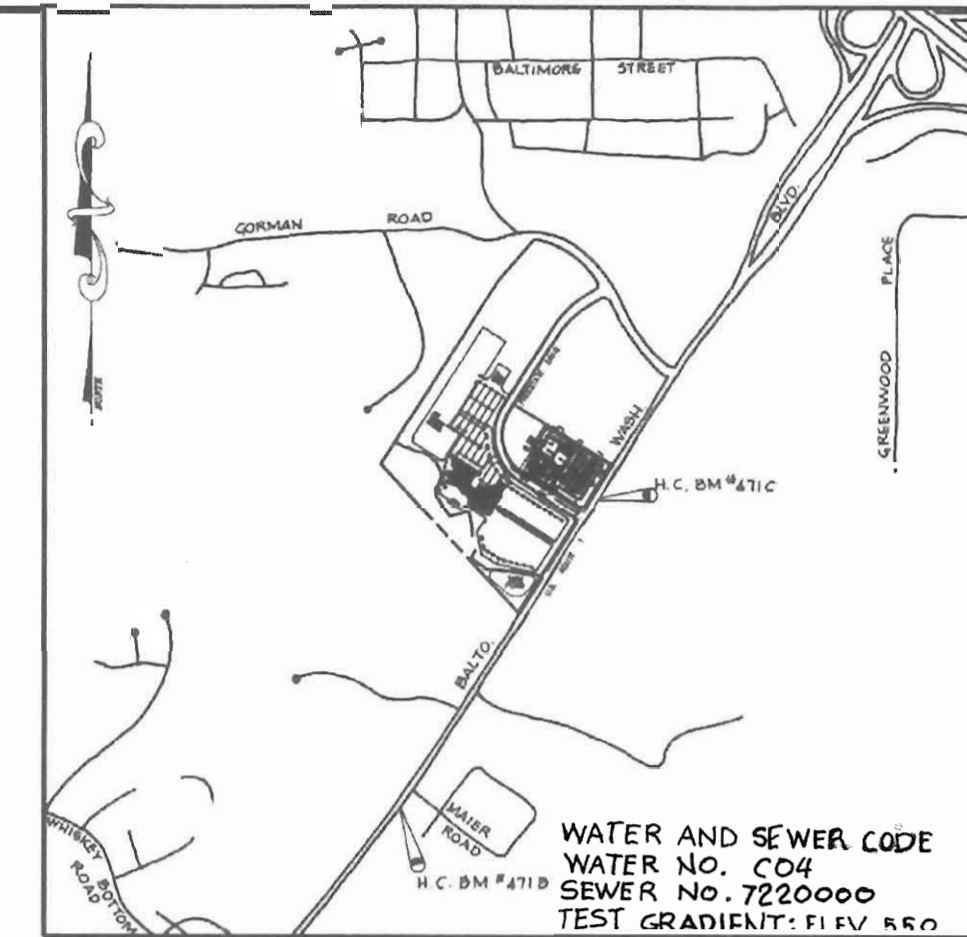
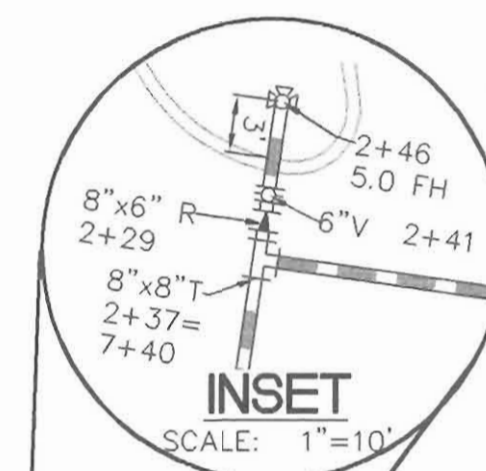
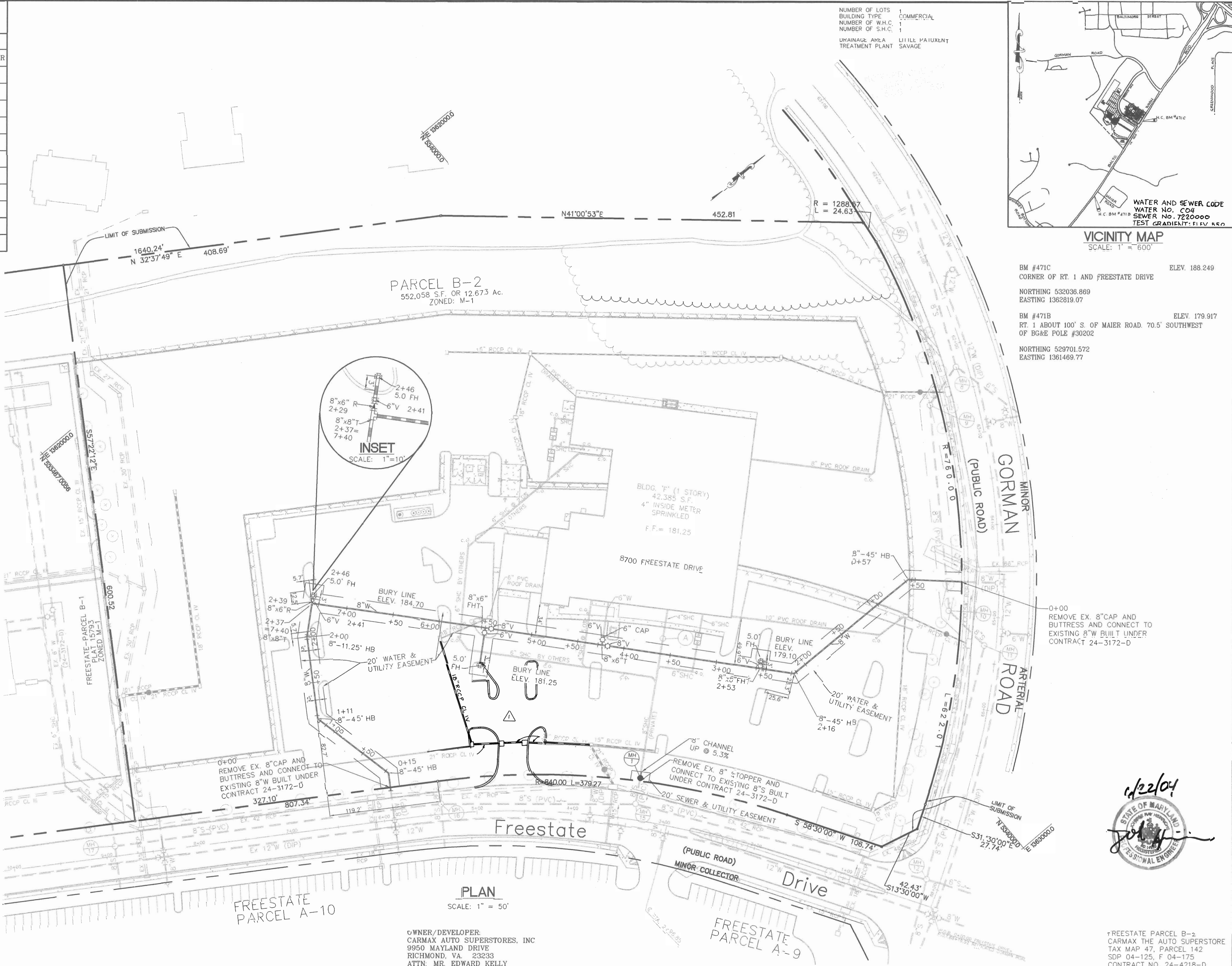
**PHOENIX ENGINEERING, INC.**  
 CONSULTING ENGINEERS  
 1420-A JOH AVENUE  
 BALTIMORE, MARYLAND 21227  
 (410) 247-8833

DES. R.J.W.			
DRN. S.E.W.			
CHK. J.R.H.	R.J.W.	REVISED ENTRANCE	
DATE: 4-24	BY: NO.	DESCRIPTION	DATE

**PLAN OF WATER MAINS**  
 600' SCALE MAP NO. 47 BLOCK NO. 17

FREESTATE PARCEL B-2  
 CARMAX THE AUTO SUPERSTORE  
 8TH ELECTION DISTRICT  
 CONTRACT NO. 24-4218-D

SCALE: 1" = 50'  
 DRAWING NO. 1 OF 2  
 PROJ: 04001 WaterPlan.Dwg



BM #471C CORNER OF RT. 1 AND FREESTATE DRIVE ELEV. 188.249  
 NORTHING 532036.869  
 EASTING 1362819.07  
 BM #471B RT. 1 ABOUT 100' S. OF MAIER ROAD, 70.5' SOUTHWEST OF BG&E POLE #30202 ELEV. 179.917  
 NORTHING 529701.572  
 EASTING 1361469.77



\*FREESTATE PARCEL B-2  
 CARMAX THE AUTO SUPERSTORE  
 TAX MAP 47, PARCEL 142  
 SDP 04-125, F 04-175  
 CONTRACT NO. 24-4218-D