

# PUBLIC WATER EXTENSION MEADOWRIDGE BUSINESS PARK PARCEL D-1

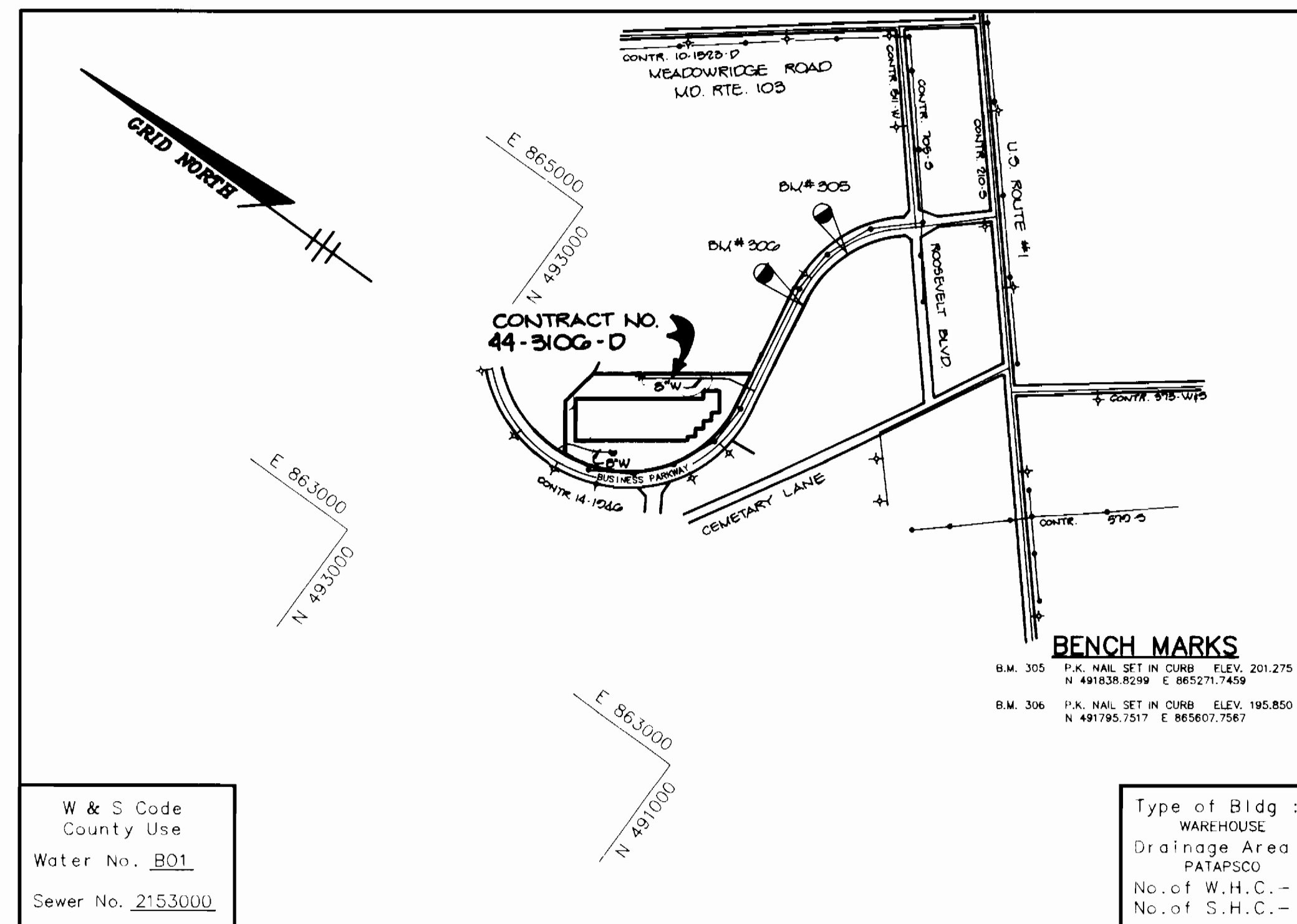
## 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

### CONTRACT NO. 44 - 3106 - D

#### 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.S. data.
4. All pipe elevations shown are  $\ominus$  invert elevations.
5. Clear all utilities by a minimum of 6'.
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, 1989 Amendments. 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  $\boxplus$  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 personal satisfaction. Any damage to existing facilities due to the contractor's negligence shall be repaired at the contractor's expense.
8. The 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 and Electric Co. - Contractor Services	850-4620
Baltimore Gas and Electric Co. - Underground Damage Control	859-9004
Baltimore Gas and Electric Co. - Trouble Shooting	298-9001
Miss Utility	1-559-0100
Colonial Pipeline Co.	795-1390
Bureau of Utilities, Ho.Co. Department of Public Works	949-4000
C & P Telephone Co.	1-800-257-7777
9. 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.
10. The 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.
11. All water mains to be D.I.P. Class 52 unless otherwise noted.
12. Taps of all water mains to have a minimum of 3-1/2" cover unless otherwise noted.
13. Valves adjacent to tees shall be strapped to tees.
14. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
15. Fire hydrants shall be set to the bury line elevation shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with the Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1005 of the Standard Specifications.
16. The contractor shall not operate any water main valves on the existing water system.
17. All water house connections shall be for inside meter setting, unless otherwise noted on the plans or in the Specifications.
18. All service clamps are to have stainless straps.
19. All D.I.P. fittings shall be in accordance with A.W.W.A. specifications C-153 Ductile Iron Compact Fittings, 3" through 12" for water and other liquids.



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

W & S Code  
County Use  
Water No. B01  
Sewer No. 2153000

Type of Bldg :  
WAREHOUSE  
Drainage Area :  
PATAPSCO  
No. of W.H.C. - 1  
No. of S.H.C. - 1

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-91-63.

*John R. Robertson* 4/12/91  
HOWARD SOIL CONSERVATION DISTRICT

Review of Howard Soil Conservation District and meets technical requirements.

*James M. O'Neil* 4/12/91  
U.S. SOIL CONSERVATION SERVICE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

*John R. Robertson* 4/12/91  
HOWARD SOIL CONSERVATION DISTRICT

Item	Quantities		Material Supplier
	Estimated	As Built	
6" WATER	20 LF.	20 LF.	TRIFLETT
FIRE HYDRANT	2 EACH	2 EA.	MUELLER
8" WATER	1 EACH	1 EA.	MUELLER
8" WATER	877 LF.	878 LF.	TRIFLETT

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

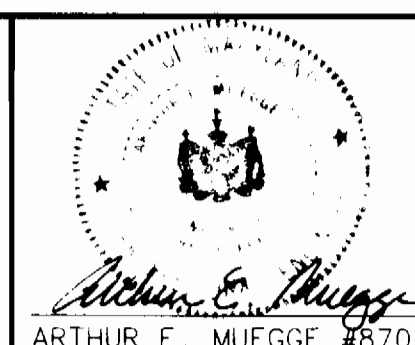
*Robert W. Reimer* 4/17/91  
DIRECTOR OF PUBLIC WORKS

*Robert W. Reimer* 4-8-91  
CHIEF, BUREAU OF UTILITIES

*Arthur E. Muegge* 4/15/91  
CHIEF, BUREAU OF ENGINEERING

*Arthur E. Muegge* 4/15/91  
CHIEF, LAND DEVELOPMENT

RIEMER MUEGGE & ASSOCIATES, INC.  
A Land Planning, Engineering and Consulting Firm  
3105 North Ridge Road Ellicott City, Maryland 21043  
301-461-2690 FAX : 301-750-3176



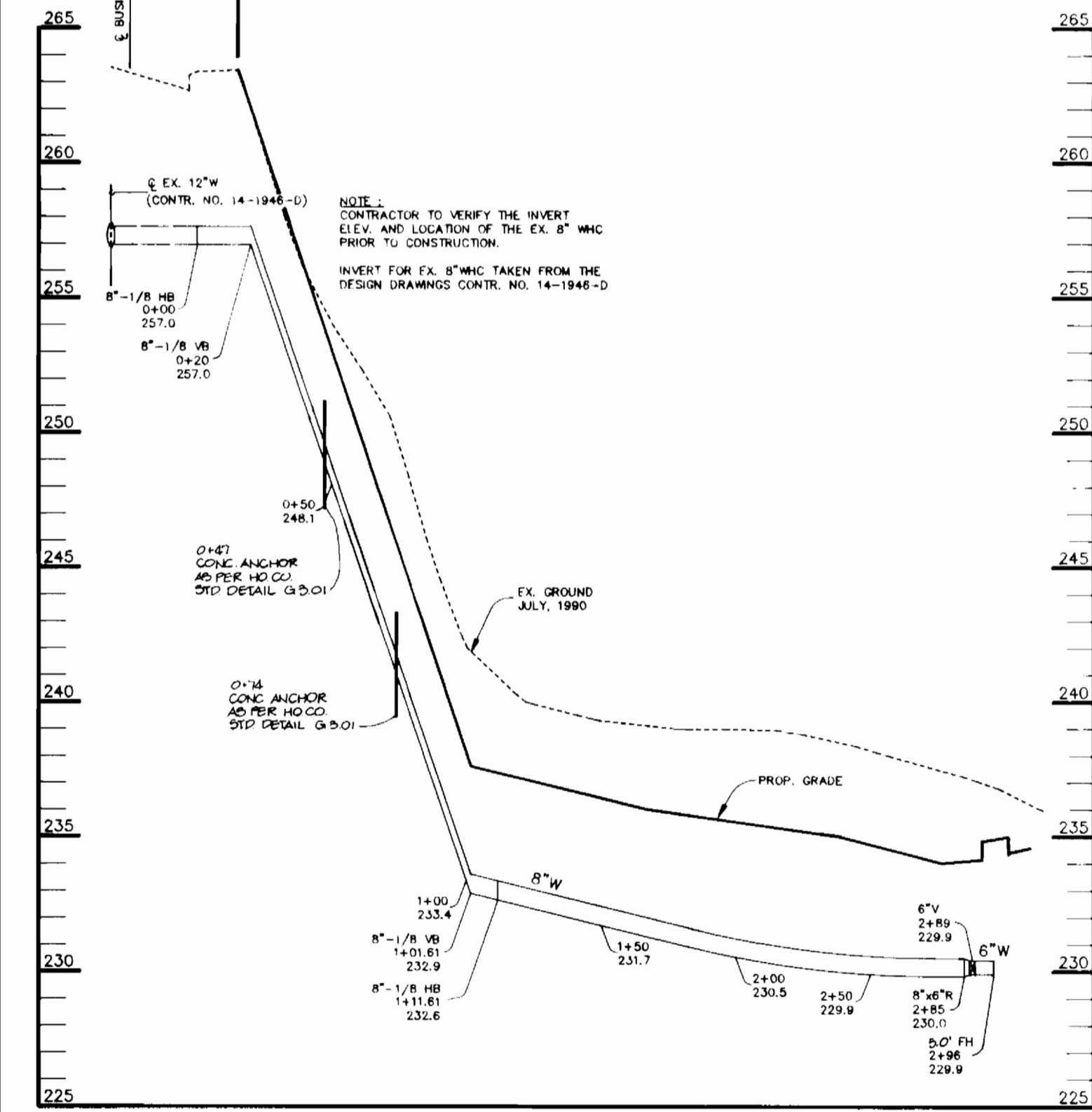
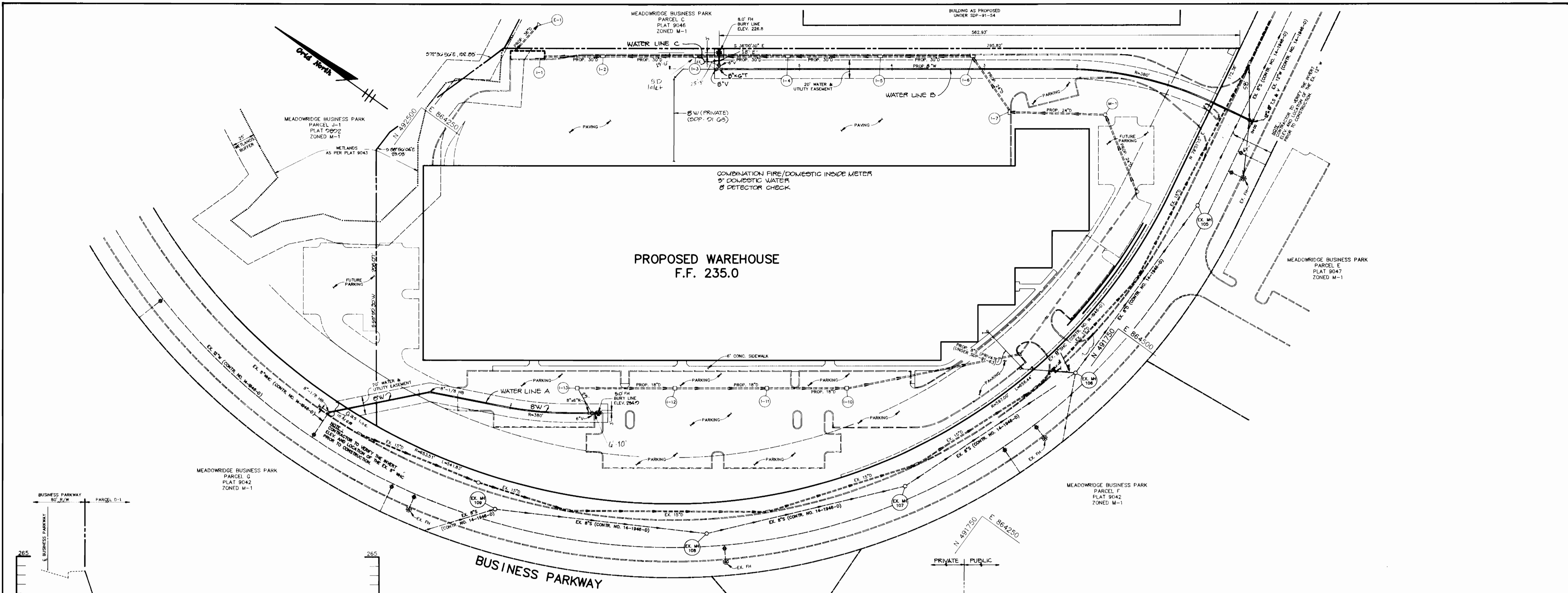
DES: W.C.W.			
DRN: W.C.W.			
CHK: C.J.R.			
DATE: 11-14-90			
MAD 1	REVISE QUANTITY BOX AND VICINITY MAP	4-10-91	
BY NO.	REVISION	DATE	

TITLE SHEET

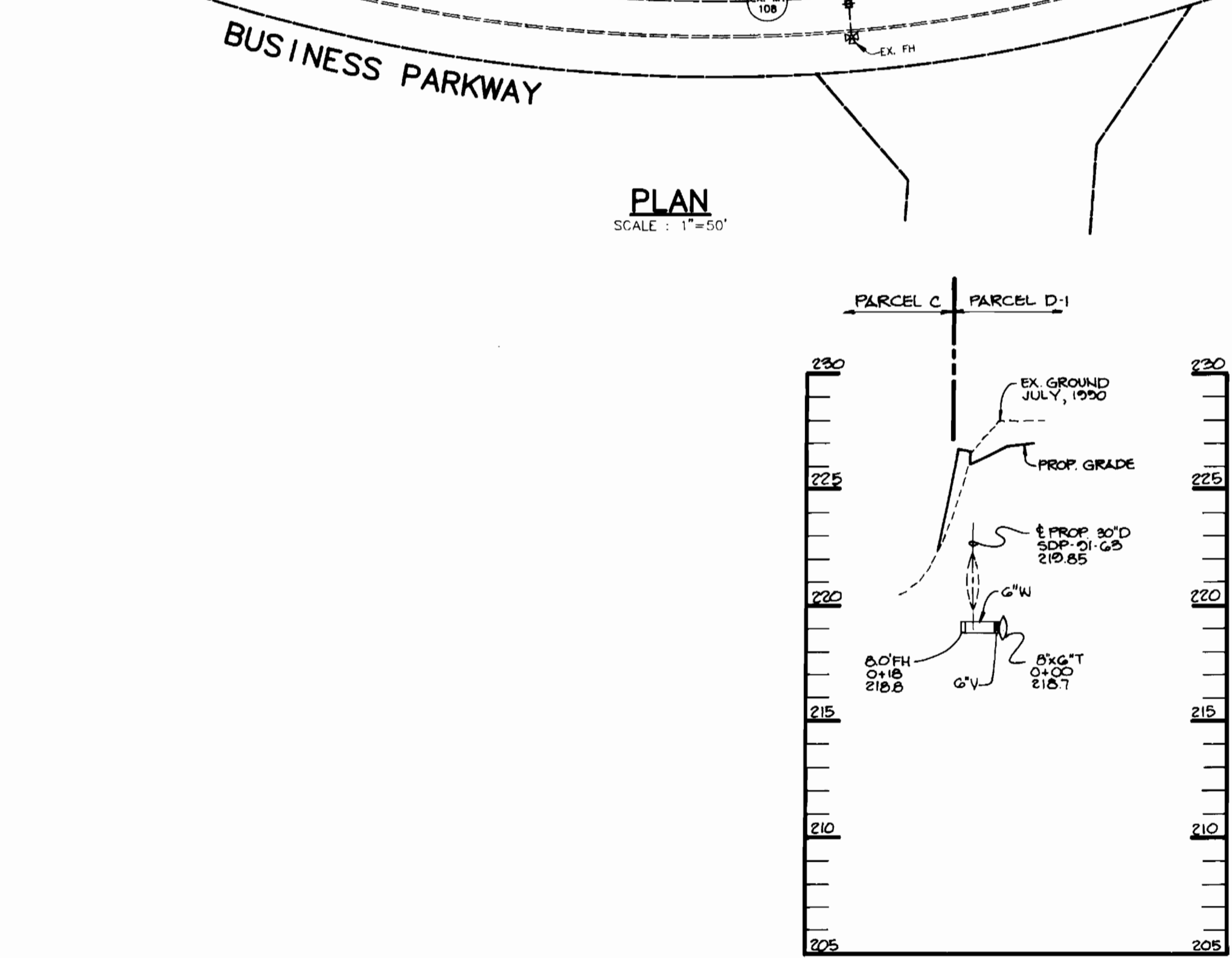
600' SCALE MAP NO. 49 BLOCK NO. 4

MEADOWRIDGE BUSINESS PARK  
PARCEL D-1  
1st ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. 44-3106 - D

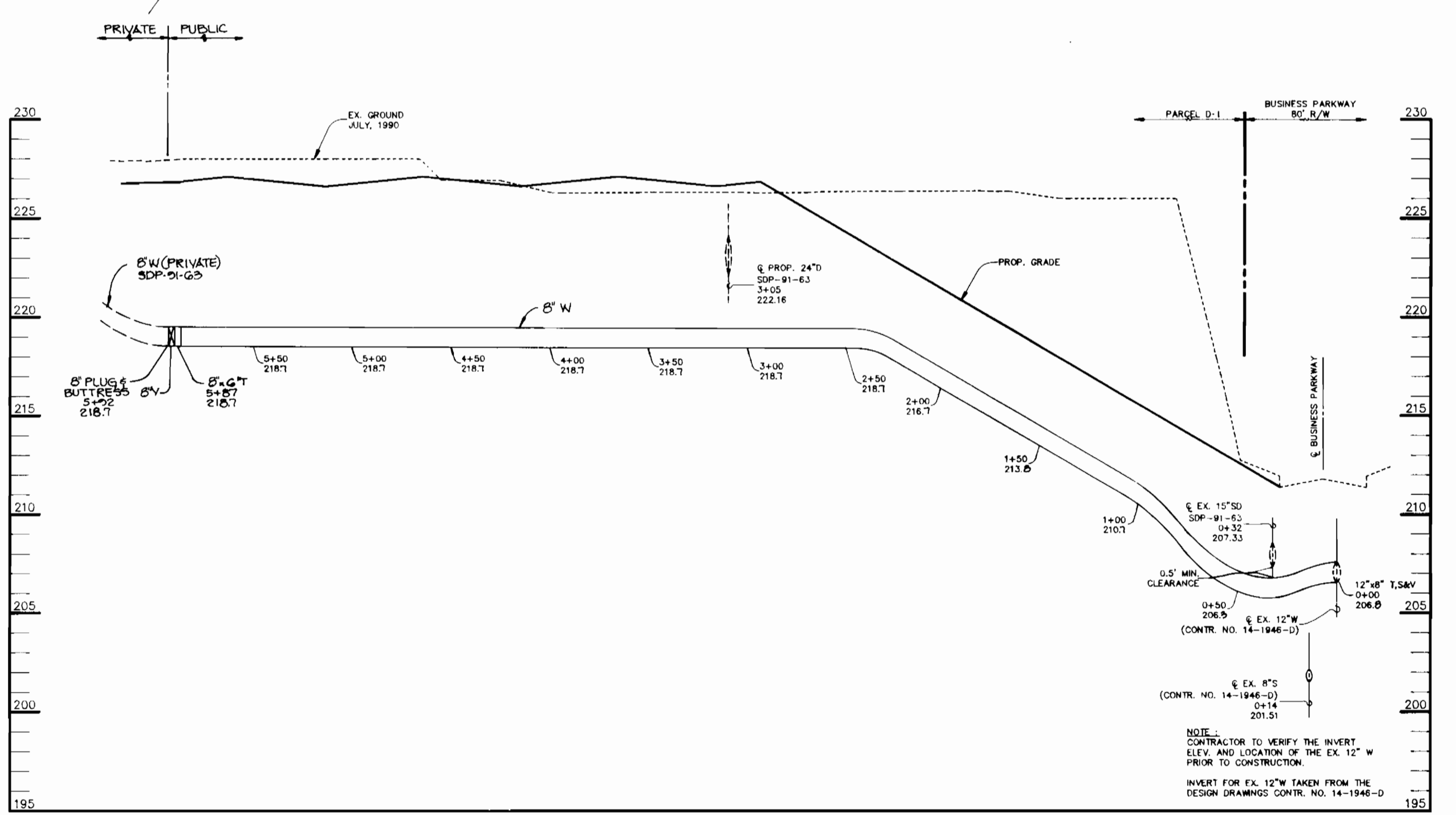
SCALE AS SHOWN  
SHEET 1 OF 2



**WATER PROFILE A**  
SCALE:  
HOR.-1"=50'  
VERT.-1"=5'



**WATER PROFILE C**  
SCALE:  
HOR.-1"=50'  
VERT.-1"=5'



**WATER PROFILE B**  
SCALE:  
HOR.-1"=50'  
VERT.-1"=5'

**PLAN**  
SCALE: 1"=50'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

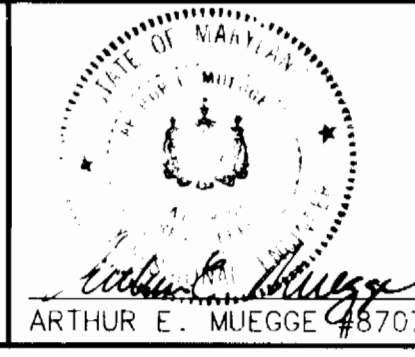
*Robert W. Berman* 4/17/01  
DIRECTOR OF PUBLIC WORKS Acting DATE

*Robert W. Berman* 4-8-91  
CHIEF, BUREAU OF UTILITIES DATE

*James E. ...* 4-15-91  
CHIEF, BUREAU OF ENGINEERING DATE

*James E. ...* 4/15/01  
CHIEF, LAND DEVELOPMENT DATE

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DES: W. C. W.					
DRN: W. C. W.					
CHK: C. J. R.					
DATE: 11-20-90					
BY: NO.	1	CHANGED R2" W TO B2" W, ADD ANCHORS TO PROFILE A, REVISED ENTRANCES	6/10/01		
REVISION					

**PLAN AND PROFILE OF A WATER EXTENSION**

600' SCALE MAP NO. ... BLOCK NO. ...

MEADOWRIDGE BUSINESS PARK  
PARCEL D-1  
1st ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. 44 - 310G-D

SCALE AS SHOWN

SHEET 2 OF 2