

PUBLIC WATER & SEWER PLAN

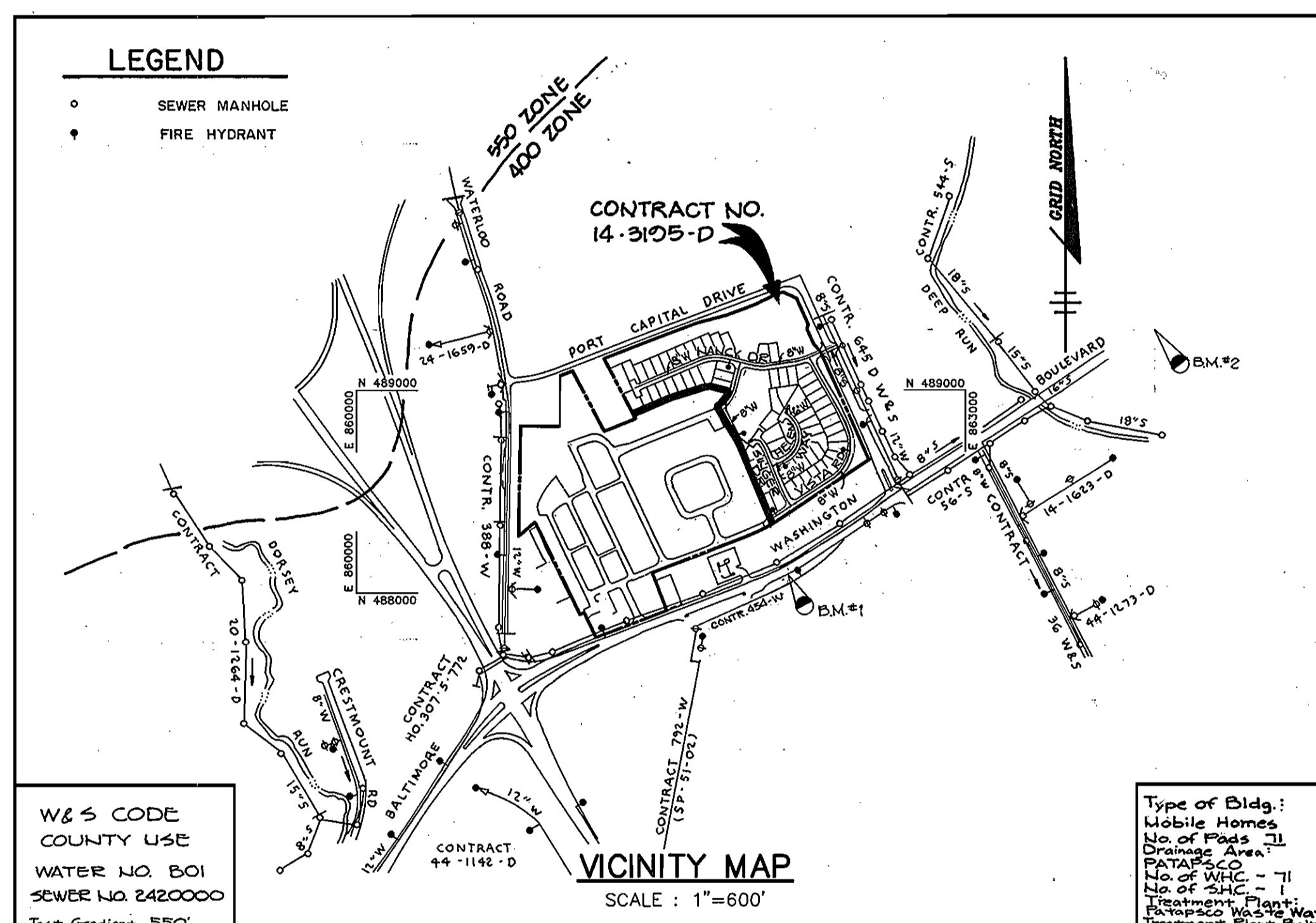
ALADDIN MOBILE HOME PARK PHASE II

6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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4	PROFILE OF A WATER MAIN

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". 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, any cost incurred by the owner for 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 of 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 working days before starting work shown on these plans:
 - State Highway Administration 531-5533
 - Baltimore Gas & Electric Co. Contractor Services 850-4820
 - Baltimore Gas & Electric Co. Underground Damage Control 787-3088
 - Mesa Utility 1-800-257-7777
 - Colonial Pipeline Co. 795-1390
 - Bureau of Utilities, Howard County Department of Public Works 313-4900
- 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 grouted and buttressed with concrete in accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.
- All water house connections shall be for outside meter setting unless otherwise noted on plans or in specifications.
- All sewer mains shall be DIP, RCP, VCPX, CSPX, RCP and P.V.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.
- Force mains shall be D.I.P. only.
- Manholes shown with 12" and 16" walls are for brick manholes only.
- Manholes designated W.T. in plan and profile shall have watertight frame and covers. Standard Detail 52.52, where watertight manhole frame and cover is used, set top of frame 1'-6" above finished grade unless otherwise noted on the drawings.
- Houses with the symbol "C.N.S." indicates that cellar cannot be served.
- The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-2450 at least five working days before any open cut of any County Road. Any excavation, water/sewer laying operation in County Roads for laying water/sewer mains or house connections. The approved drawings will constitute compliance with D.F.W. requirements per Section 12.14(a) of the Howard County Code.



QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" WATER	3074 LF	3060	D.I.P.	ATLANTIC STATES PIPE INC.
6" WATER	443 LF	443	D.I.P.	" " "
3/4" WATER METER VAULT	71 EA.	71	CONCRETE	" " "
3/4" W.H.G.	1250 LF	1277	K" COPPER	CAMBRIDGE-LEE WATER PRO
8" SEWER	100 LF	97	PVC	J.M. MANUFACTURING WATER PRO
FIRE HYDRANTS	7 EA.	7	"	MUELLER COMP WATER PRO
8" VALVES	7 EA.	7	GATE VALVE	" " "
6" VALVES	0 EA.	0	GATE VALVE	" " "
12" x 8" T.D.V.	1 EA.	1	"	" " "
MANHOLES	2 EA, 20 VF	2	CONCRETE	ATLANTIC CONCRETE
NAME OF UTILITY CONTRACTOR : GAINES & CO.				
				CHECKBOX
				AS-BUILT DATE
				SURVEY AND DRAFTING DIVISION

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-02-70

John K. Robertson 7/15/92
HOWARD SOIL CONSERVATION DISTRICT

Review for Howard Soil Conservation District and meets technical requirements.

James M. Nelson 7/15/92
S.S. SOIL CONSERVATION SERVICE

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

John K. Robertson 7/15/92
HOWARD SOIL CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND.

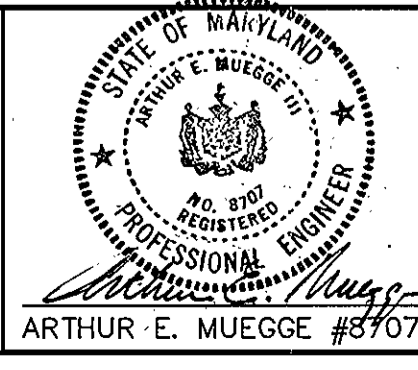
James M. Nelson 7/20/92
DIRECTOR OF PUBLIC WORKS DATE

Arthur E. Muegge 7/20/92
CHIEF, BUREAU OF ENGINEERING DATE

William J. ... 7/20/92
CHIEF, BUREAU OF UTILITIES DATE

Arthur E. Muegge 7/20/92
CHIEF, LAND DEVELOPMENT (Acting) DATE

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive • Suite 200 • Columbia, Md 21046
410-997-8900 FAX : 410-997-9282



DES : W.C.W.				
DRN : W.C.W.				
CHK : J.P.O.				
DATE : 9-9-92	BY	NO.	REVISION	DATE

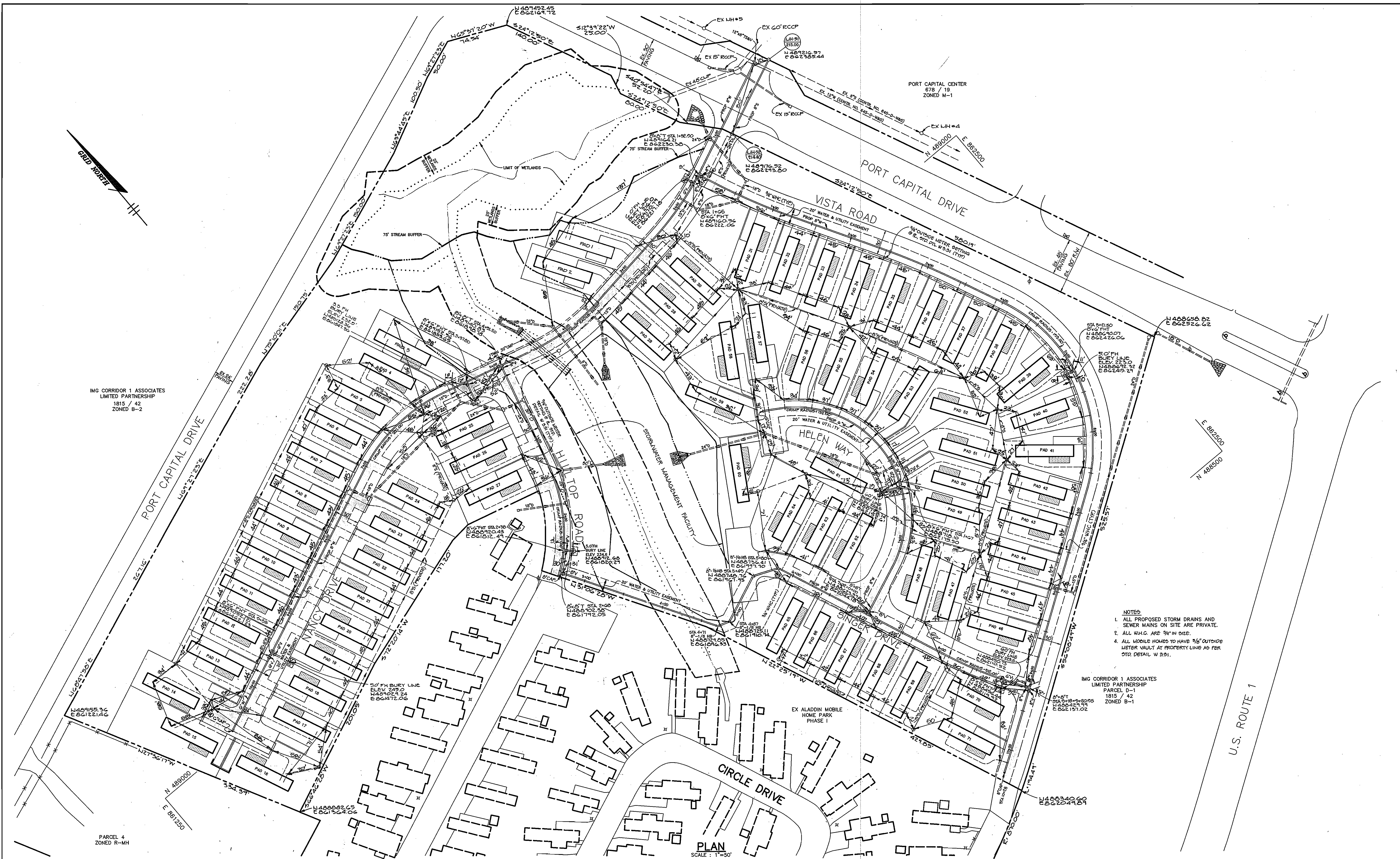
WATER AS-BUILTS
TITLE SHEET

600' SCALE MAP NO. 43 BLOCK NO. 3 & 9

ALADDIN MOBILE HOME PARK
PHASE II
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 14-3125-D

SCALE AS SHOWN

SHEET 1 OF 4



IMG CORRIDOR 1 ASSOCIATES
LIMITED PARTNERSHIP
1815 / 42
ZONED B-2

- NOTES
1. ALL PROPOSED STORM DRAINS AND SEWER MAINS ON SITE ARE PRIVATE.
 2. ALL W.H.G. ARE 9" IN DISE.
 3. ALL MOBILE HOMES TO HAVE 3/8" OUTSIDE METER VAULT AT PROPERTY LINE AS PER STD. DETAIL W 201.

IMG CORRIDOR 1 ASSOCIATES
LIMITED PARTNERSHIP
PARCEL D-1
1815 / 42
ZONED B-1

PARCEL 4
ZONED R-MH

PLAN
SCALE = 1"=50'

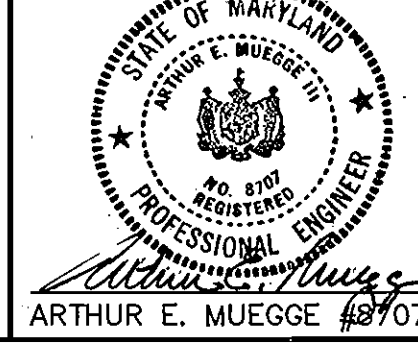
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 7/20/92
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 7/20/92
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 7/20/92
CHIEF, LAND DEVELOPMENT (Acting) DATE

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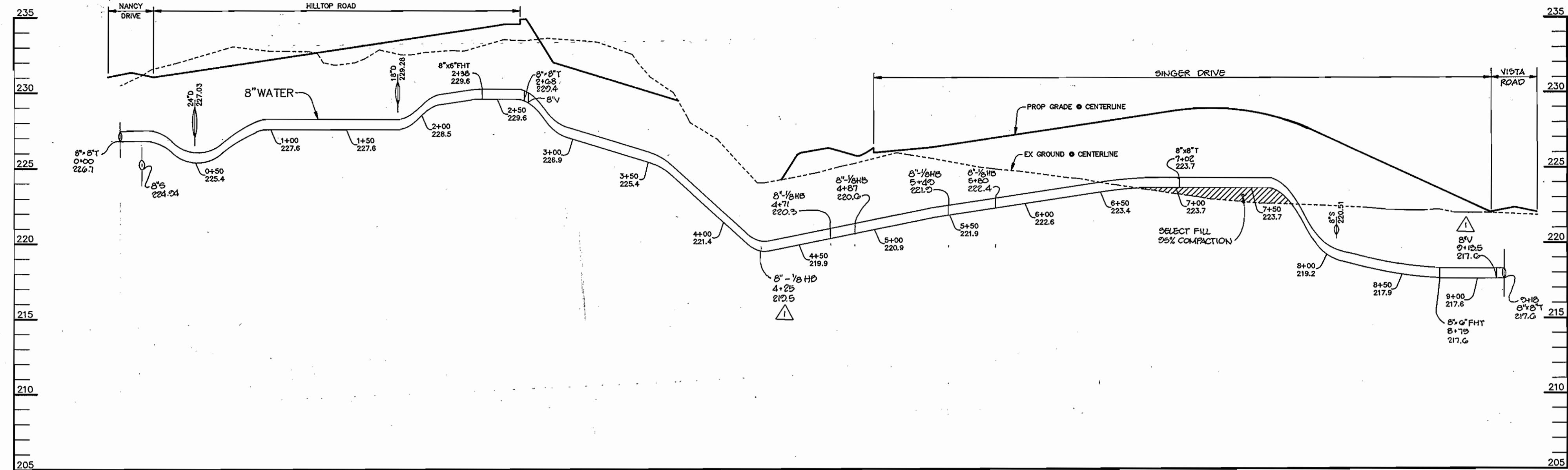
DES : W.C.W.					
DRN : W.C.W.					
CHK : J.P.O.					
DATE : 3-9-92	BY NO.	REVISION	DATE	600' SCALE MAP NO.	43 BLOCK NO. 3 & 9

PLAN OF A WATER MAIN
AND A SEWER MAIN

ALADDIN MOBILE HOME PARK
PHASE II
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 14-3105-D

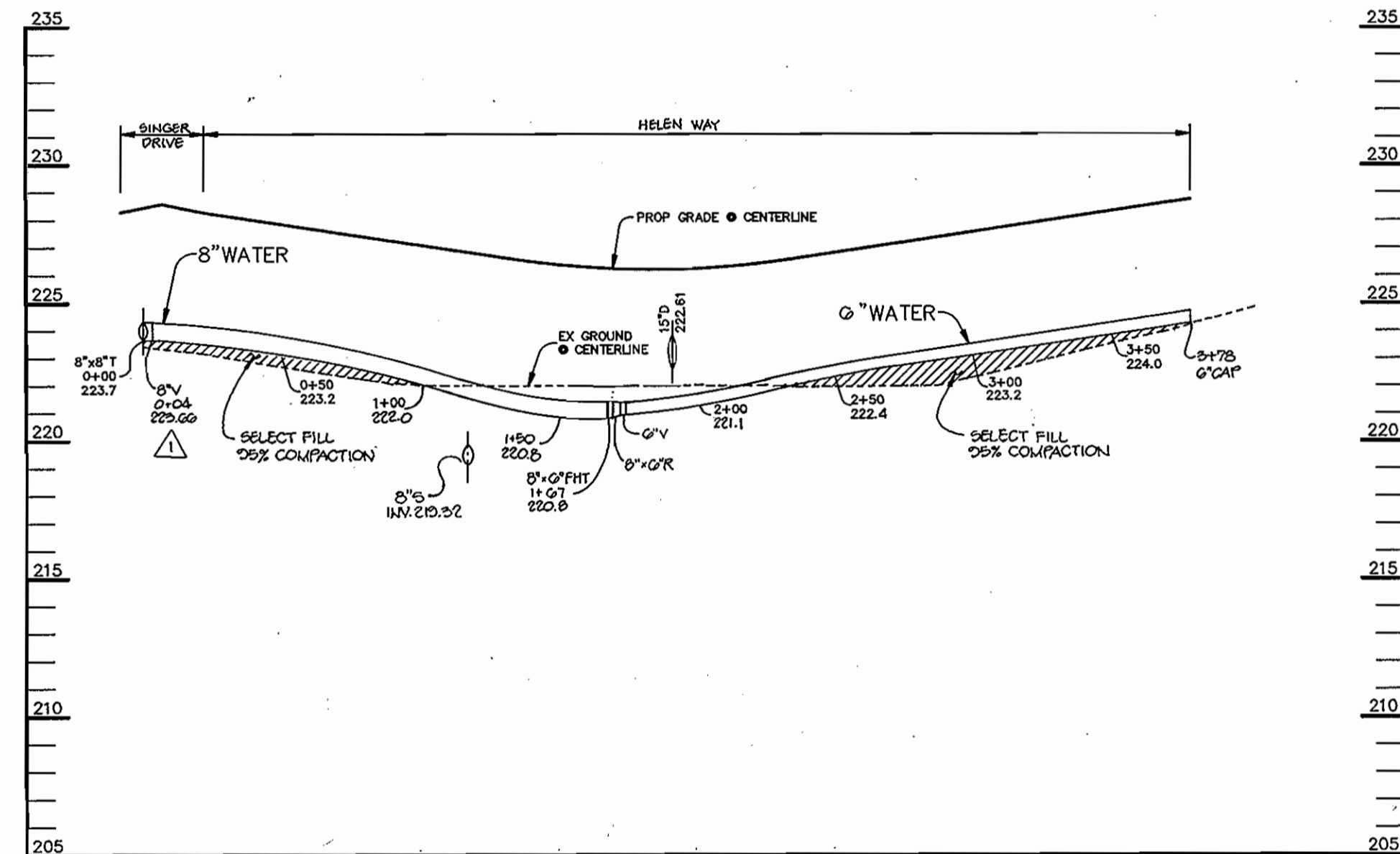
SCALE
AS
SHOWN

SHEET
2 OF 4



WATER PROFILE

SCALE :
HOR. - 1" = 50'
VERT. - 1" = 5'



WATER PROFILE

SCALE :
HOR. - 1" = 50'
VERT. - 1" = 5'

- NOTES :
1. MINIMUM CLEARANCE ON ALL UTILITY CROSSINGS TO BE 1' MEASURED FROM OUTSIDE OF PIPES.
 2. ALL ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: *[Signature]* 7/20/92
 Chief, Bureau of Engineering: *[Signature]* 7/20/92
 Chief, Bureau of Utilities: *[Signature]* 7/20/92
 Chief, Land Development (Acting): *[Signature]* 7/20/92

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DES : W.C.W.				
DRN : W.C.W.				
CHK : J.P.O.				
DATE : 8-9-92	MAD	1	ADDED 8" 1/8 VBI & 8" VALVES	10-18-92
	BY	NO.	REVISION	DATE

PROFILE OF A WATER MAIN

600' SCALE MAP NO. 43 BLOCK NO. 3 & 9

ALADDIN MOBILE HOME PARK
 PHASE II
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO. 14-3125-D

SCALE AS SHOWN

SHEET 4 OF 4