

RYDER TRUCK RENTAL, INC.

HOWARD COUNTY, MARYLAND

GENERAL NOTES

PART I

- 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 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 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 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 - 850-4620
 - Baltimore Gas & Electric Co. - Under Ground Damage Control - 859-9004
 - Baltimore Gas & Electric Co. - Trouble Shooting - 298-9001
 - Mias Utility - 1-559-0100
 - Colonial Pipeline Co. - 795-1390
 - Bureau of Utilities, Howard County Dept. of Public Works - 992-2366

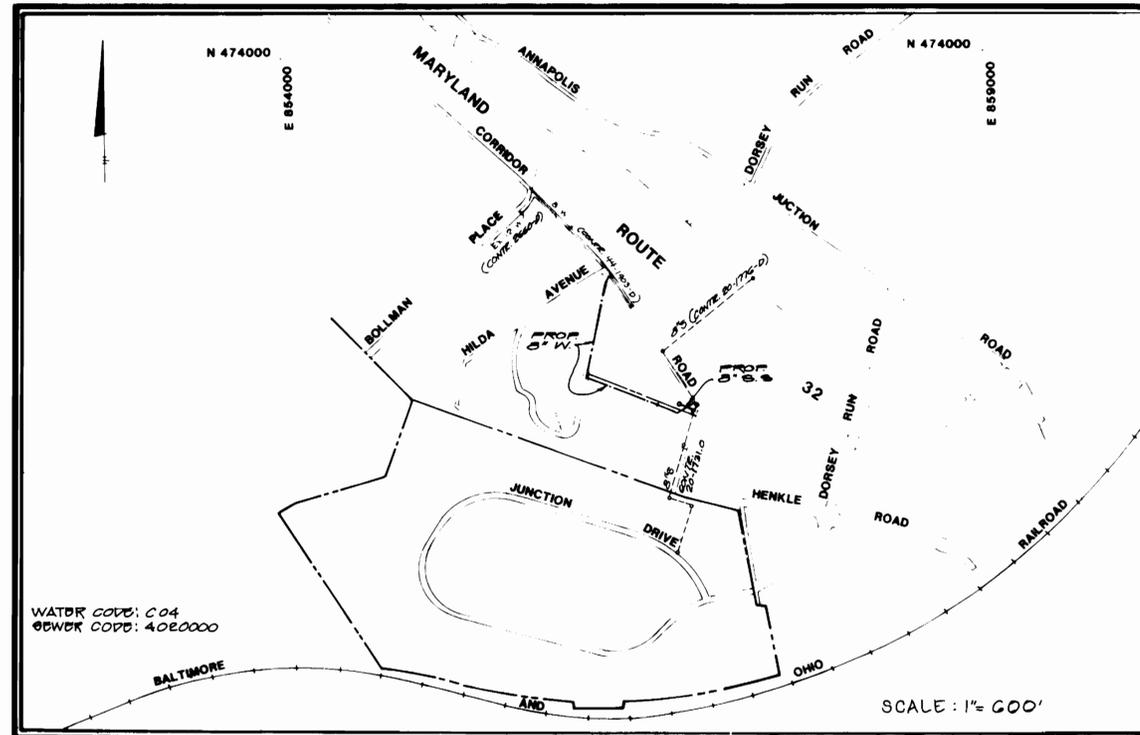
PART II - WATER

- 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 1003 of the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.

PART II - SEWER

- All sewer mains shall be C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. Class 2400 or 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.
- Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Detail G5.52. Where watertight manhole frame and cover is used, set top of frame 1'-6" above finished grade unless otherwise noted on the drawings.

QUANTITIES			
ITEM	ESTIMATED	AS BUILT	MATERIAL/SUPPLIER
8" SEWER	137.00'	131.00'	CHARLOTTE
MANHOLE	1	1	ATLANTIC CONCRETE
6" SEWER	10.0'	25.0'	CHARLOTTE
8" WATER	1920.00'	1565.00'	CHARLOTTE ATLANTIC STATES
8" VALVE	3	3	TYLER PIPE
6" VALVE	5	4	TYLER PIPE
FIRE HYDRANT	4	4	TYLER PIPE
AIR RELEASE MANHOLE			
2" WATER	10.0'		
6" WATER		6'	ATLANTIC STATES
2" WATER	10.0'	2.0'	ATLANTIC STATES



TYPE OF BUILDINGS	OFFICE / SERVICE CENTER
NUMBER OF LOTS	1
NUMBER OF WATER HOUSE CONNECTIONS	2
NUMBER OF SEWER HOUSE CONNECTIONS	1
DRAINAGE AREA	LITTLE PATUXENT

CONTRACT NO. 24-1912-D WATER AND SEWER CONSTRUCTION PLANS

LEGEND

- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED WATER
- EXISTING WATER
- EXISTING UNDERGROUND TUBE
- PROPOSED PAVING
- FIRE HYDRANT/VALVE
- BASEMENT
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING P.O. W/GUY WIRES

SEDIMENT CONTROL MEASURE FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS AND SITE DEVELOPMENT PLAN 80P-88-61

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

APPROVED: *[Signature]* DATE: 5-1-89

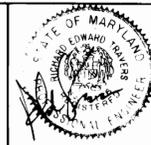
THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

APPROVED: *[Signature]* DATE: 5-1-89

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS: *[Signature]* DATE: 5-2-89
CHIEF, BUREAU OF ENGINEERING
CHIEF, BUREAU OF UTILITIES: *[Signature]* DATE: 5-1-89
CHIEF, LAND DEVELOPMENT DIVISION: *[Signature]* DATE: 5-1-89

PHR&A
PATTON, HARRIS, RUST & ASSOCIATES, PC
7809 STANDISH PLACE
ROCKVILLE, MARYLAND 20855
METRO: 301-782-2220 BALT: 301-782-7244



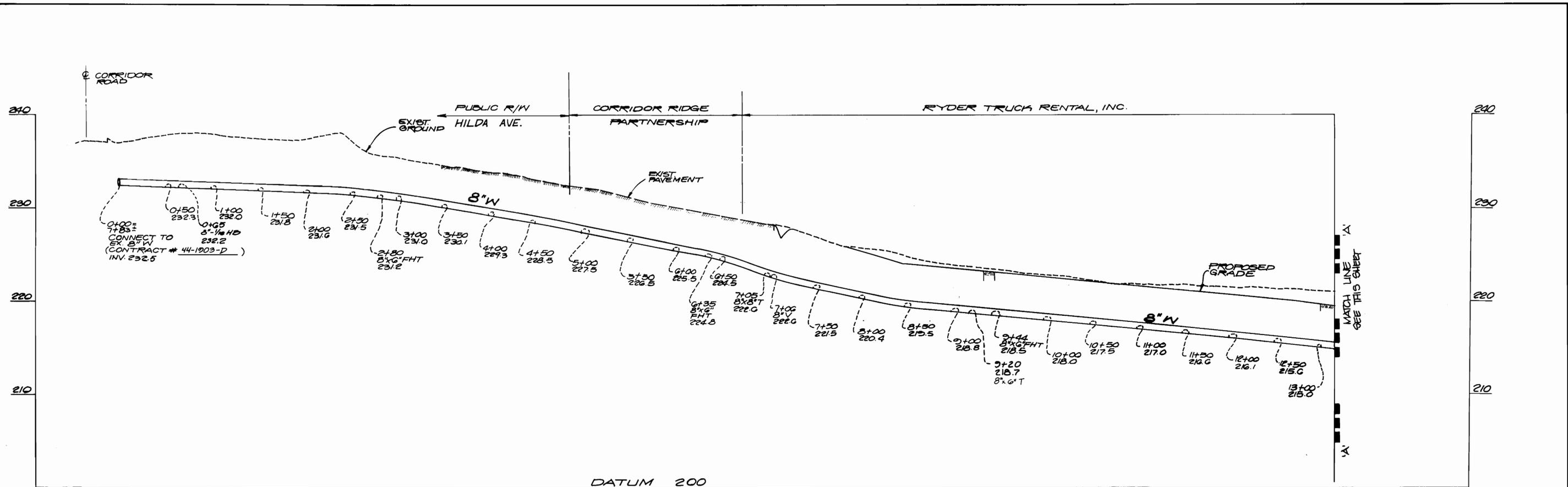
DES.	DRN.	CHK.	DATE:	BY	NO	REVISION	DATE
	4		1/24/90			CHANGE QUANTITIES BOX FOR 2" WATER	1/24/90
	3		7/23/89			REVISED 3" WHC TO 6"	7/23/89
	2		4-7-89			REVISED PER H.C. COMMENTS	4-7-89
	1		1-27-89			ISSUED TO HOWARD COUNTY	1-27-89

TITLE SHEET

RYDER TRUCK RENTAL, INC.
CONTRACT NO. 24-1912-D
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

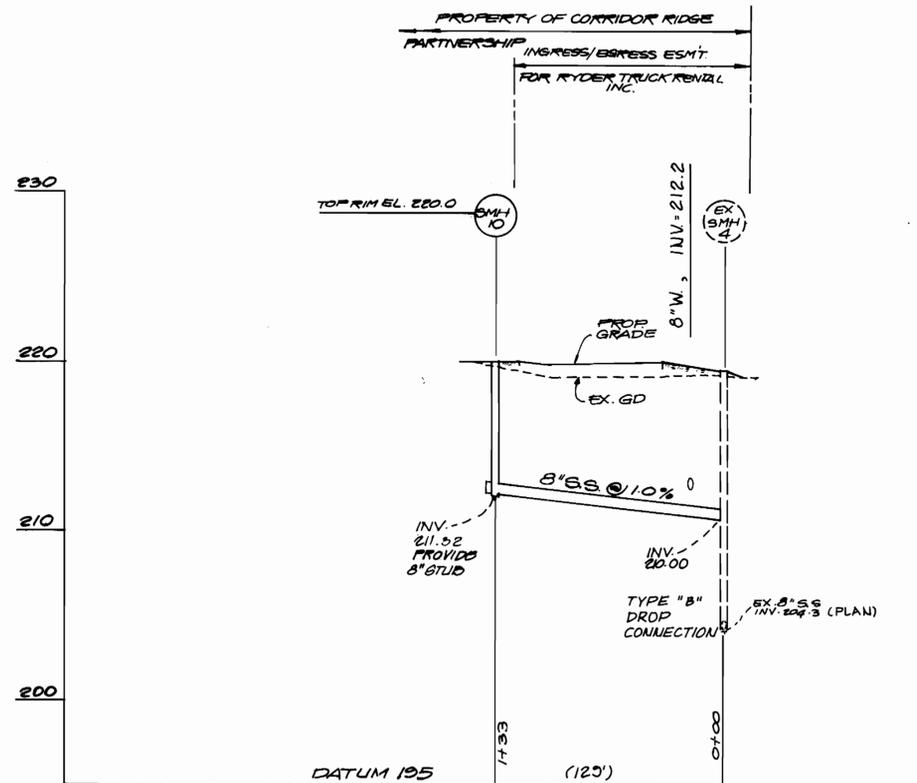
SCALE AS SHOWN
SHEET 1 OF 1
2212--0

AS-BUILT MARCH 27, 1990



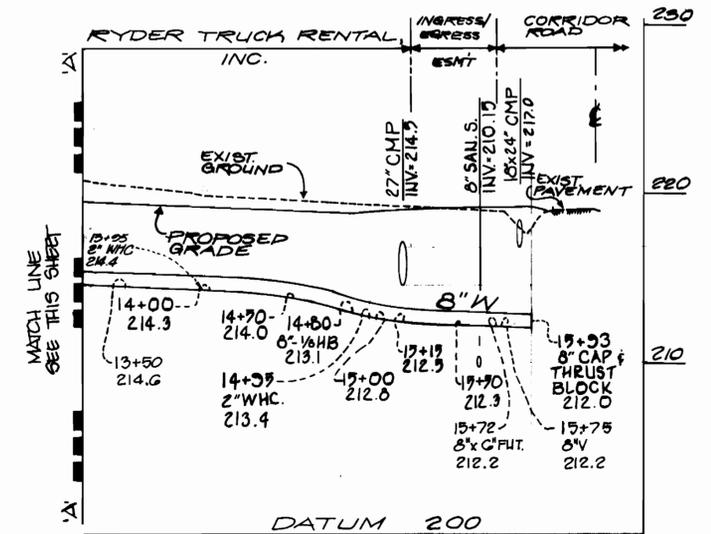
8" WATER MAIN PROFILE

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



8" SAN. SEWER PROFILE

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



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

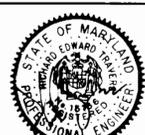
DIRECTOR OF PUBLIC WORKS
Robert M. Bennett
5-1-97

CHIEF, BUREAU OF ENGINEERING
Robert M. Bennett
5-1-97

CHIEF, LAND DEVELOPMENT DIVISION

PHR&A

FATTON, HARRIS, RUST & ASSOCIATES, PC
7609 STANDISH PLACE
ROCKVILLE, MARYLAND 20855
METRO: 301-763-2526 BALT.: 410-763-7204



DES: EIC	5	ADD 2" SERVICE WATER CONNECTION	1-24-96
DRN: EIC	4	REVISED 8" W.C. TO 6"	7-25-96
CHK: KOR	VLP	REVISED PER HO. CO. COMMENTS	4-17-97
DATE:	1	ISSUED TO HOWARD COUNTY	3-17-99
BY NO.		REVISION	DATE

**WATER & SEWER
PROFILES**

RYDER TRUCK RENTAL, INC.
CONTRACT NO. 24-1912-D
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 3 OF 3