

3419 ws/1 Dorsey Run Ind. Pk.

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2	PLAN OF A WATER MAIN AND A SEWER MAIN
3	PROFILES OF A WATER MAIN AND A SEWER MAIN

WATER AND SEWER EXTENSIONS

DORSEY RUN INDUSTRIAL PARK

6th ELECTION DISTRICT

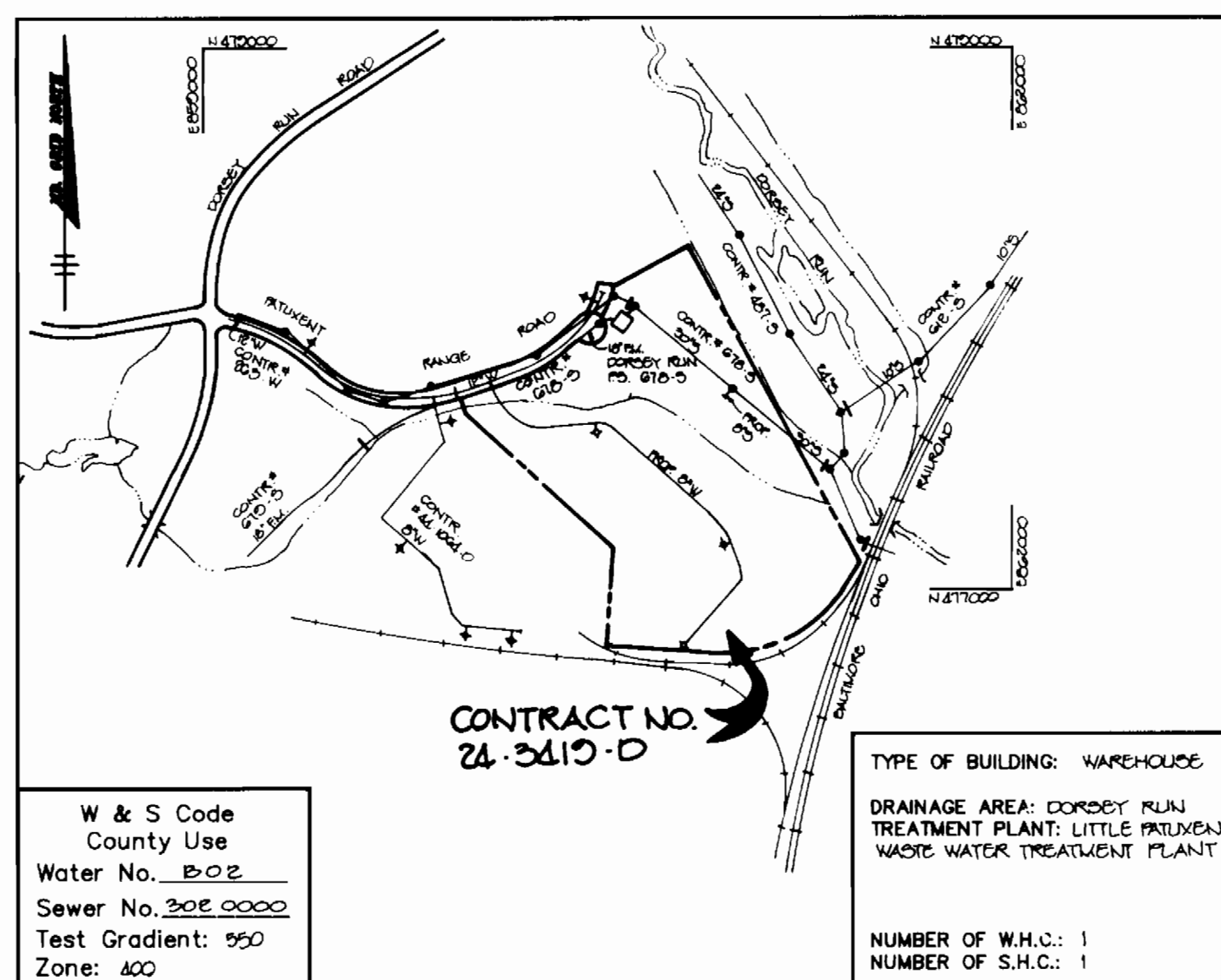
HOWARD COUNTY, MARYLAND

CONTRACT NO. 24-3419-D

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 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. Underground Damage Control	787-9068
Miss 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 restrained 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. Fire hydrants shall be installed as per standard detail W.1.11.
- The contractor shall not operate any water main valves on the existing water system.
- All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
- All sewer mains shall be DIP and P.V.C. unless otherwise noted.
- 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 05.52. Where watertight manhole frame and cover is used, set top of frame 1"-6" above finished grade unless otherwise noted on the drawings.
- House(s) with the symbol "C.N.S." indicates that cellar cannot be served.
- Contractor is solely responsible for construction means, methods, techniques, sequences, procedures, and safety precautions and programs.
- Fire hydrants will be located 3' FROM BACK OF CURB unless otherwise noted.
- 8" WATER MAIN:
 - AREA THROUGH SHAPE # 1 CURBANKMENT TO BE CONSTRUCTED ALONG WITH CURBANKMENT LIFTS (DO NOT RETRENCH POND FILL).
 - COMPACTED EARTH TO BE USED ONLY (NO GRAVEL BEDDING).
 - USE RESTRAINING JOINTS FROM WATER MAIN STA. 0+50 TO STA. 5+50.



VICINITY MAP
SCALE: 1"=600'

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" WATER	1622 LF			
6" WATER	92 LF			
8" DIP VALVE	10 LF			
FIRE HYDRANTS	3 EA			
8" VALVES	2 EA			
6" VALVES	3 EA			
12" x 8" TEE	1 EA			
8" x 6" REDUCER	1 EA			

NAME OF UTILITY CONTRACTOR :

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SOP 05-61.

CHECKBOX	
AS-BUILT DATE	
SURVEY AND DRAFTING DIVISION	

Review for Howard Soil Conservation District and meets technical requirements.

Patricia Englebert 9/28/95
NATURAL RESOURCES CONSERVATION SERVICE DATE

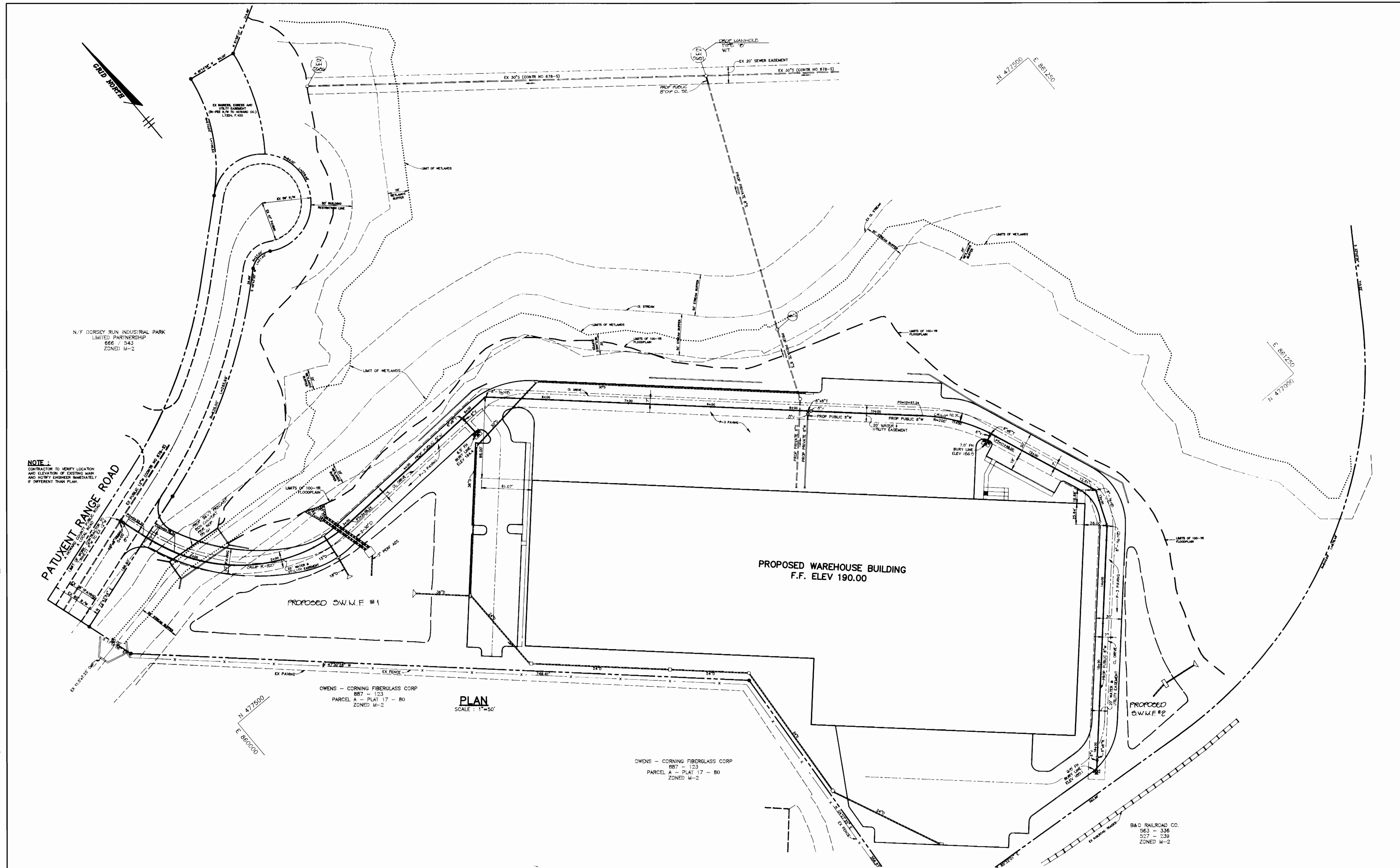
This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John P. Robertson 9/28/95
HOWARD SOIL CONSERVATION DISTRICT DATE

BENCHMARK
BM#1 2044006-R
REBAR LOCATED ON B&O RAILROAD SPUR
3' NORTH OF TOP BANK 0.3' BELOW SURFACE
350± EAST OF BRIDGE ABUTMENT AT
DORSEY RUN ROAD ELEV 210.767
N 476,929.101 E 859,068.366

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Robert J. Bennett</i> 9-27-95 CHIEF, BUREAU OF UTILITIES DATE	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>John P. Robertson</i> 08/25 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE	RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8618 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282 8000/00000 00.390	DES: CJR DRN: WCW CHK: JDP DATE: 9-22-95 BY NO. REVISION DATE	TITLE SHEET	DORSEY RUN INDUSTRIAL PARK PARCEL C 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 24-3419-D	SCALE AS SHOWN SHEET 1 OF 3
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3419 WS/2 Dorsey Run Ind. PK.



NOTE:
CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING MAIN AND NOTIFY ENGINEER IMMEDIATELY IF DIFFERENT THAN PLAN.

PLAN
SCALE: 1"=50'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION

RIEMER MUEGGE & ASSOCIATES, INC.
Planners • Engineers • Surveyors
8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
410-997-8900 FAX: 410-997-9282
HOCO/00000 00.DWG

[Signature]
JAYKANT D. PAREKH #19148

DES: C.J.R.				
DRN: W.C.W.				
CHK: J.D.P.				
DATE: 3-22-95	BY:	NO.:	REVISION:	DATE:

PLAN OF A WATER MAIN AND A SEWER MAIN

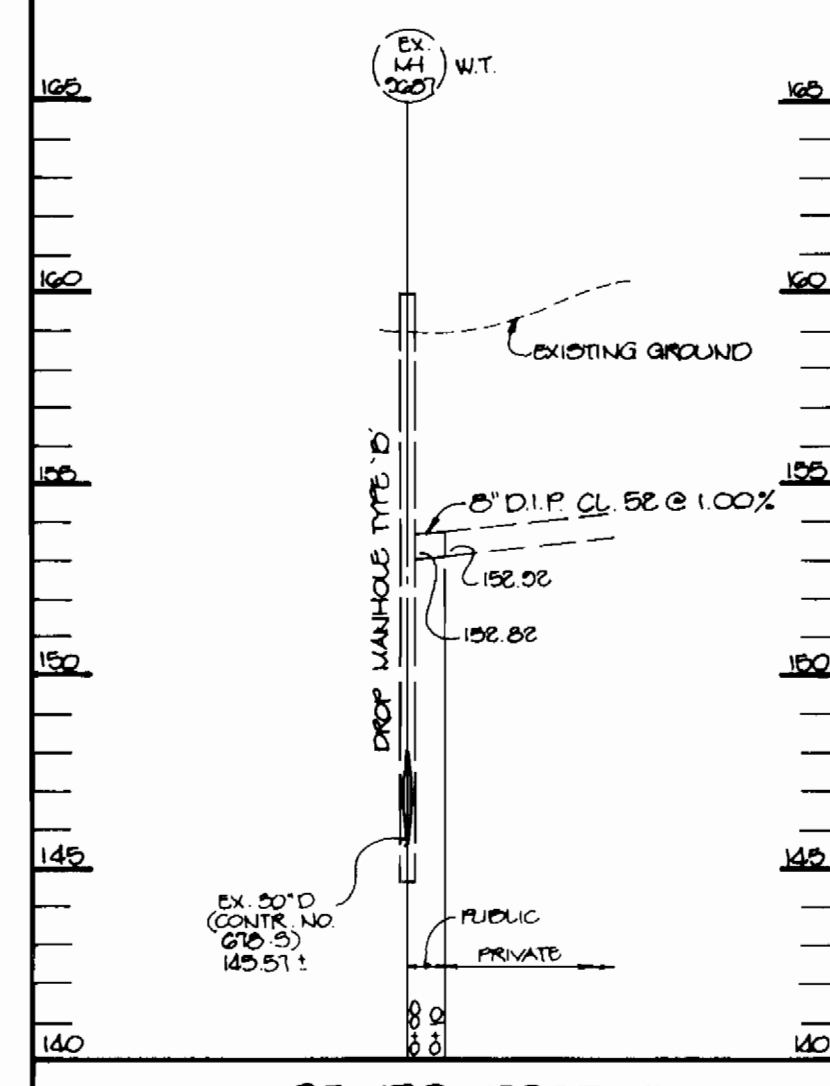
600' SCALE MAP NO. 40 BLOCK NO. 3

**DORSEY RUN INDUSTRIAL PARK
PARCEL C
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-3419-D**

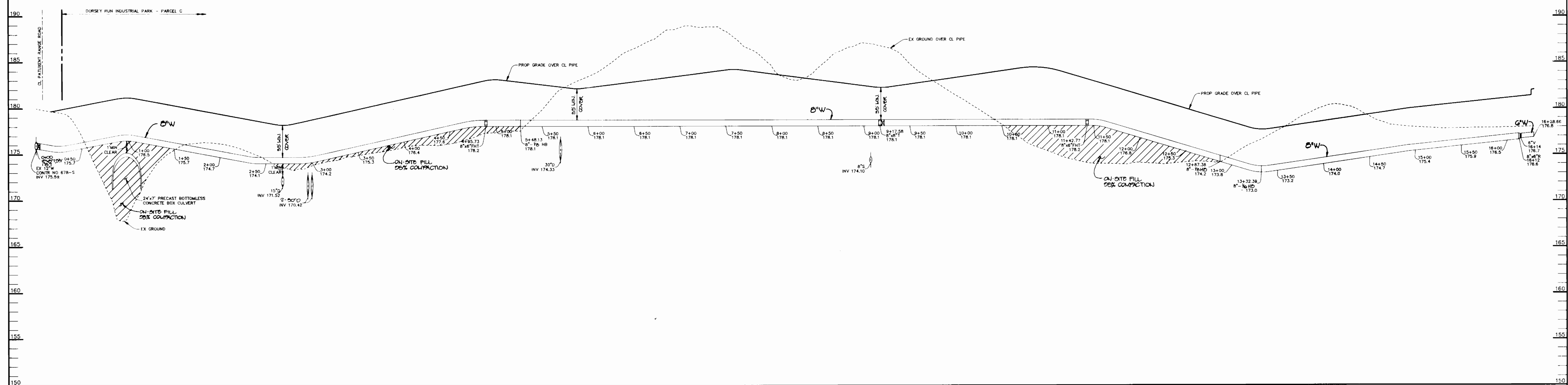
SCALE AS SHOWN

SHEET 2 OF 3

3419 ws/3 Dorsey Run Ind. Pk.



SEWER PROFILE
 HOR: 1"=50'
 VERT: 1"=5'



WATER PROFILE
 HOR: 1"=50'
 VERT: 1"=5'

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Robert Benjamin</i> CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>Heather M. ...</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282 HOCO/00000 00.DWG	J. Parekh JAYKANT D. PAREKH # 19148	DES: C.J.R.					PROFILE OF A WATER MAIN AND A SEWER MAIN	DORSEY RUN INDUSTRIAL PARK PARCEL C 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 24-3410-D	SCALE AS SHOWN
				DRN: W.C.W.							
DATE: 0-22-06				BY: NO.	REVISION	DATE	600' SCALE MAP NO. 50 BLOCK NO. 5				