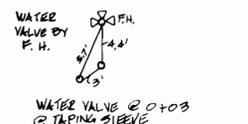


3381 WS/1 ALFIO NICOTRA PROPERTY

AS-BUILT PROPERTY OF ALFIO NICOTRA

SEWER LOCATION	DIST	WATER LOCATION	DIST
MH3 TO SHC#11	33.5'	MH3 TO WHC	37'
SHC TO SHC#10	37.5'	WHC TO " 10	14'
FHY TO SHC#11	131.5'	FH TO "	15'
MH3 TO SHC#10	50'	MH3 TO WHC	45'
SHC#10 TO "	37.5'	WHC TO " 11	14'
SHC#10 TO " 9	64.5'		
FH TO SHC#10	94'	FH TO WHC	101'
MH3 TO SHC#9	108'		
SHC#10 TO SHC#9	64.5'	SHC#9 TO WHC#9	9'
" 9 " " 8	39'		
FHY TO SHC#9	33'	FH TO WHC	38.5'
MH3 TO SHC#8	141.5'	" " "	13.4'
SHC#8 TO SHC#9	39'	SHC#8 TO WHC#8	5.5'
FHY TO SHC#8	21.6'		
MH2 TO SHC	57.5'	MH2 TO WHC	63'
WHC TO "	6'	- SAME -	6'
FH TO SHC	38'	FH TO WHC	37'

WATER VALVE LOCATIONS
 STA. 2+34 MH2 TO VALVE 1B'
 LOT TO VALVE 1C'
 FH TO VALVE 6B'



NO.	LOCATION	MIN. ELEV.	SLOPE
MH 1	6" DIA 0+50 7' LT	285.22	2.0%
MH 2	6" DIA 2+50 7' LT	270.51	1.00%
MH 3	6" DIA 3+50 7' LT	287.10	-

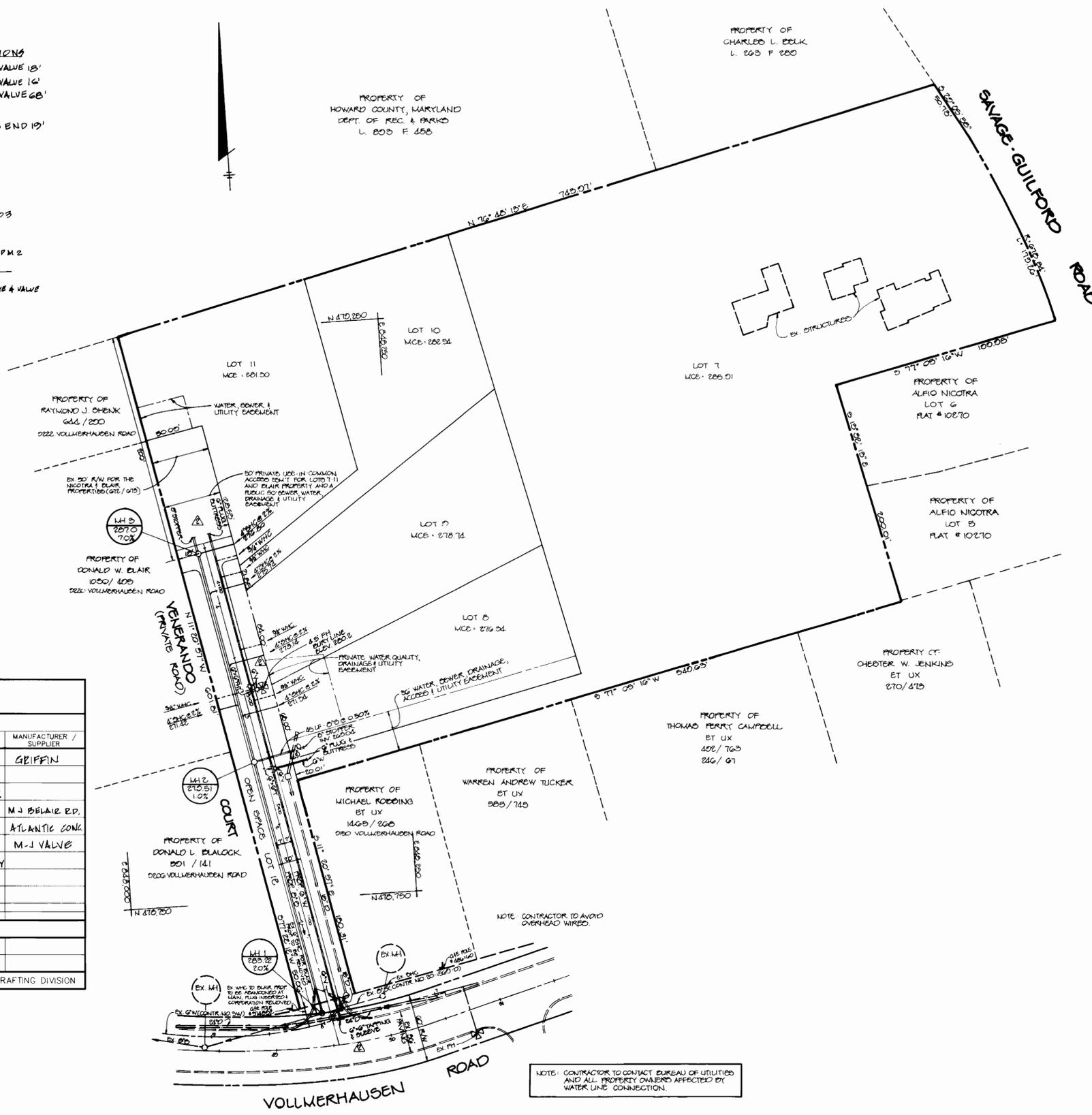
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
6" WATER	470 LF	480'	6" R.I.P. 52	GRIFFIN
FIRE HYDRANT	1 EA	1 EA	3/4" MULLER	
8" SEWER	400 LF	432 LF	8" P.V.C.	M-J BELAIR RD.
4'-0" DIA MANHOLE	3 EA	3 EA	S.D.	ATLANTIC CONG.
6" VALVE	4 EA	4 EA	KENNEDY	M-J VALVE
TAPPING SLEEVE	1 EA	1 EA	CLOW KENNEDY	
4" SEWER	146 LF			
3/4" WATER	108 LF			

NAME OF UTILITY CONTRACTOR : W. F. WILSON

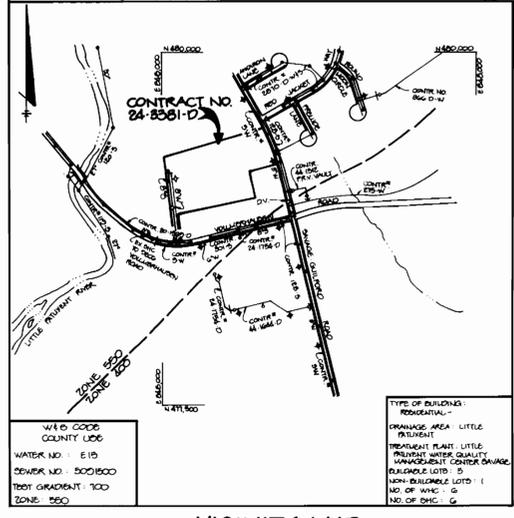
Review for Howard Soil Conservation District and meets technical requirements.
 Patricia England/PH 1/17/95
 U.S. SOIL CONSERVATION SERVICE DATE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.
 John R. Blanton/PH 1/17/95
 HOWARD SOIL CONSERVATION DISTRICT DATE

CHECKBOX
 AS-BUILT DATE
 SURVEY AND DRAFTING DIVISION



PLAN SCALE: 1"=50'



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 [square with cross] 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 787-8088
 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.
- 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, RCP, VCPX, CSPX, RCCP 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 65.52. 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.
- Manholes can be either brick or precast concrete structures.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] 9-95
 Chief, Bureau of Engineering: [Signature] 1/19/95

Chief, Bureau of Utilities: [Signature] 1-12-95
 Chief, Land Development: [Signature] 1/19/95

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

JAYKANT D. PAREKH #19148

DES: M.A.D.			
DRN: M.A.D.			
CHK: C.J.R.			
DATE: 1-11-95			

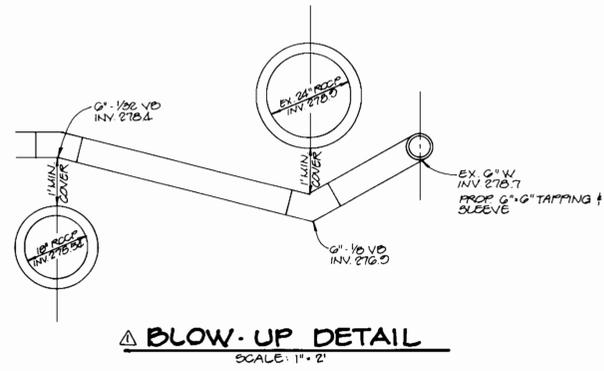
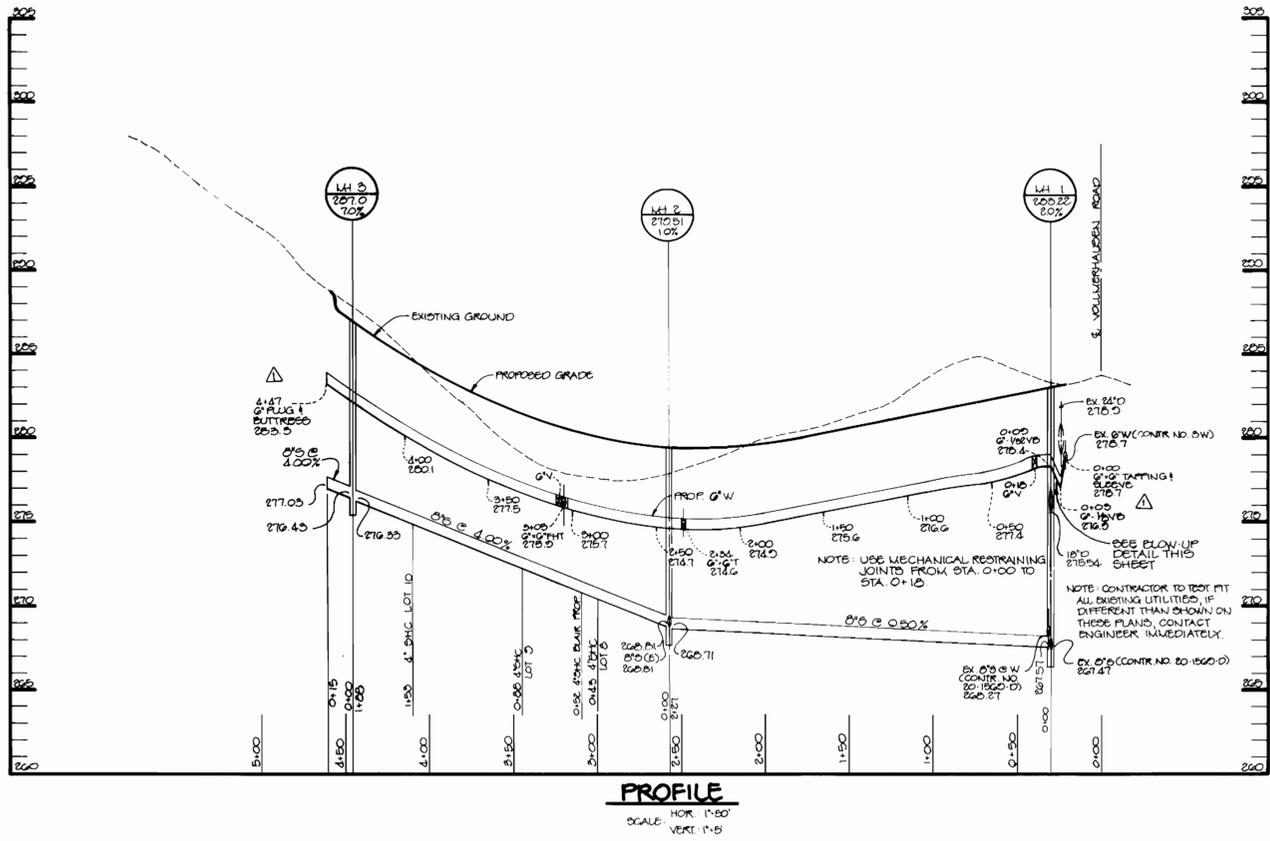
NO.	REVISION	DATE
1	REMOVED PROP. 6" W. IN VOLLMERHAUSEN RD. CONNECTED PROP. 6" W. TO EX. 24" W. RELEGATED PH. REV. 6" W. TO 6" W. REV. LENGTH OF 6" W. F. 0+10	10-16-95
2	REV. LOT LINE SURVEY LOTS 7 & 8 AND REV. LOT FRONTAGES	4-18-95
3	WATER MAINS 6" W. W.C.P.	

PROPERTY OF ALFIO NICOTRA
 LOTS 7 - 12
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO. 24-3381-D

SCALE AS SHOWN
 SHEET 1 OF 2

AS-BUILTS 4/4/97

3381 WS/2 ALFIO NICOTRA PROPERTY



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY MARYLAND

James M. Shaw 1/12/95
 DIRECTOR OF PUBLIC WORKS DATE

Robert J. Span 1/12/95
 CHIEF, BUREAU OF ENGINEERING DATE

Robert Beatty 1-12-95
 CHIEF, BUREAU OF UTILITIES DATE

John J. McManis 1/12/95
 CHIEF, LAND DEVELOPMENT DATE

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

STATE OF MARYLAND
 SURVEYORS
 J. S. Paul
 JAYKANT D. PAREKH #19148

DES : WAD			
DRN : M.A.D.			
CHK : C.J.R.			
DATE : 1-11-95	BY : WAD	NO. : 1	REVISION : REVISED VOLLERHAUZEN RD WATER PROFILE, REV CONNECTION TO EX 6" W. REV 8" W TO 6" W, ADDED BLOW UP DETAIL, REV LENGTH OF 6" W 1 8" D
			DATE : 1/16/95

PROFILE OF
 WATER AND SEWER MAINS

600' SCALE MAP NO. _____ BLOCK NO. _____

PROPERTY OF ALFIO NICOTRA
 LOTS 7 - 12
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO. 24-3381-D

SCALE AS SHOWN
 SHEET 2