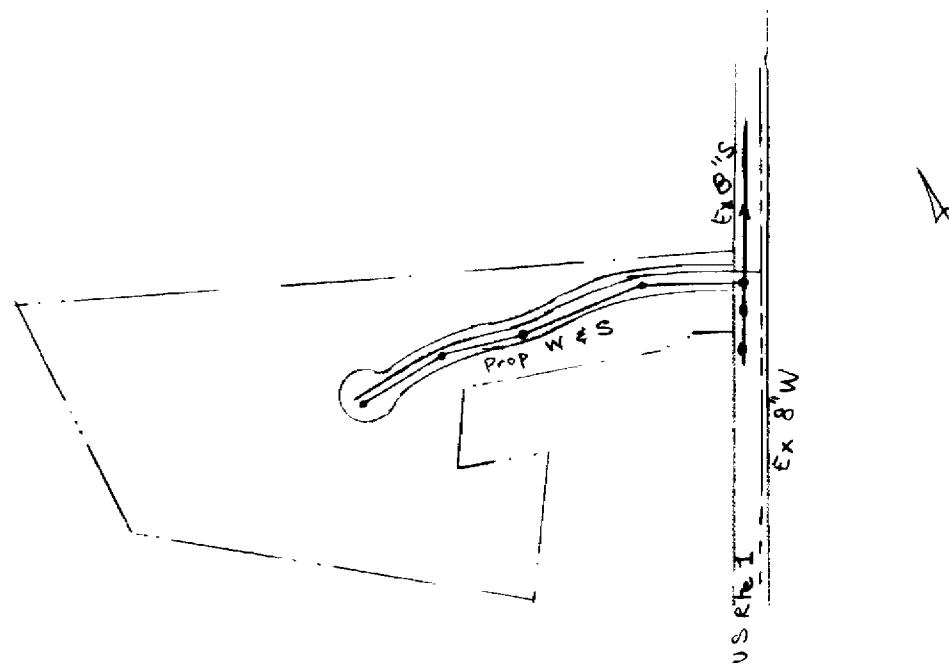
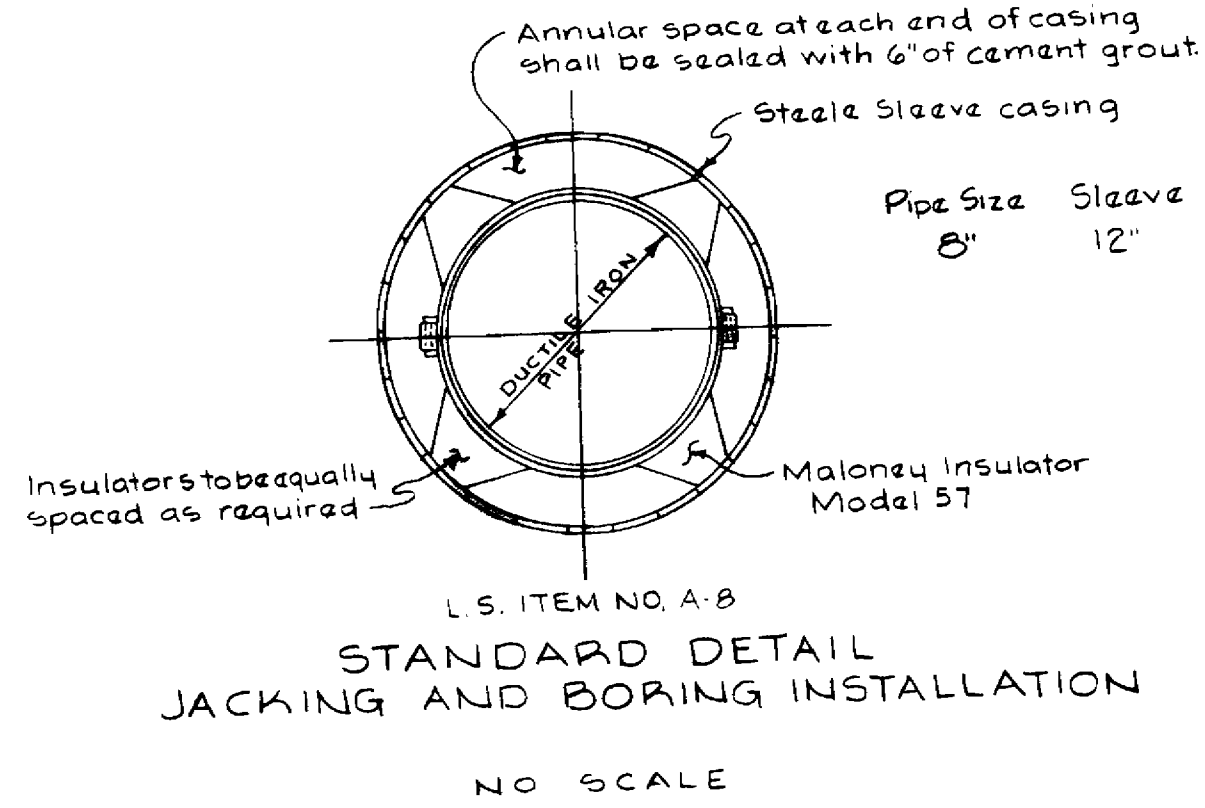


QUANTITIES	
ITEM	AMOUNT
8" Sewer	1365
8" Water	1490
F.H.'s	3



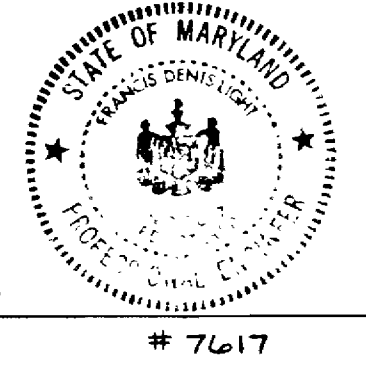
LOWEST ELEVATION EACH LOT	
A	240.0
B	160.0
C	240.0
D	220.0
E	196.0

8" Sewer - ACP Class 3300 - CERTAIN TEED  
 8" Water - DIP - CERTAIN TEED

U.S. #1 JOINT VENTURE  
 Scale: 1" = 100'

**GENERAL NOTES**

- Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and service connections and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. Datum.
- All pipe elevations shown are invert elevations.
- Clear all utilities by a minimum of 6". Clear all poles 20" minimum or tunnel as required.
- For all standard details see standards bound in specifications.
- Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
  - State Highway Administration 531-5533
  - Baltimore Gas and Electric Co. - Underground Electric Distribution Engineering - "Damage Control" 234-5691
  - Baltimore Gas and Electric Co. - Underground Gas Distribution Engineering 559-0100
  - Chesapeake and Potomac Telephone Co. 725-7976
  - American Telephone and Telegraph - Cable Location Division 393-3553
  - Colonial Pipeline Company 781-4641
- Trees are to be protected from damage to maximum extent. Trees located within construction strip are not to be removed or damaged by the contractor.
- At least two permanent bench marks, location and elevation to be noted.
- Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for water and sewer mains.
- Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
- All Manholes shall be 40" inside diameter unless otherwise noted.
- Watermain to be DIP unless otherwise noted.
- All valves shall be strapped to tees in accordance with standard details
- Block all fittings with concrete. See standard bound in Specifications.
- Bury line elevations on F.H. shall be set to the elevations shown on the drawing. All F.H. shall be strapped and buttressed with concrete in accordance with standard details.
- Sewer main to be ACP Class 3300 unless otherwise noted.

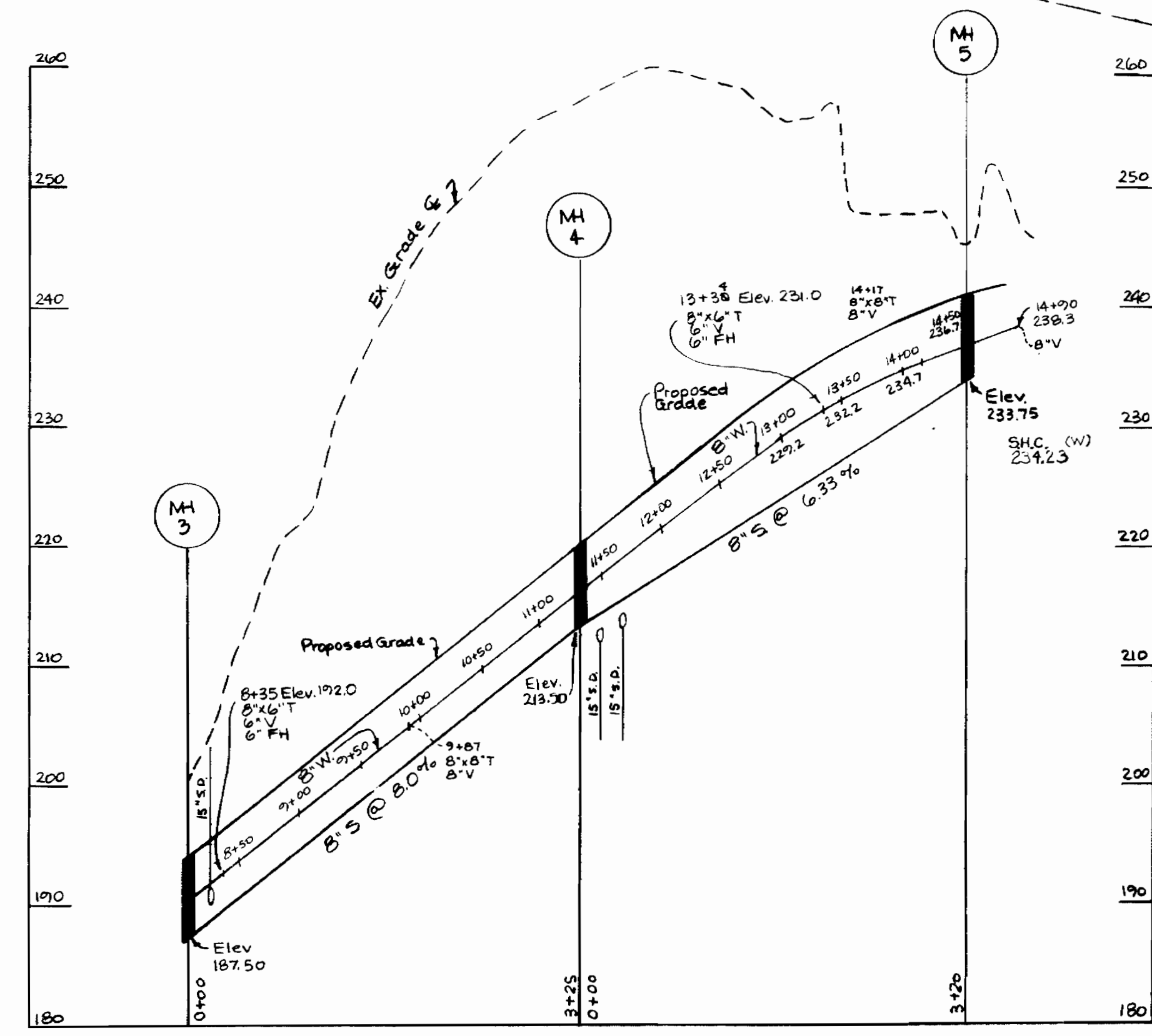
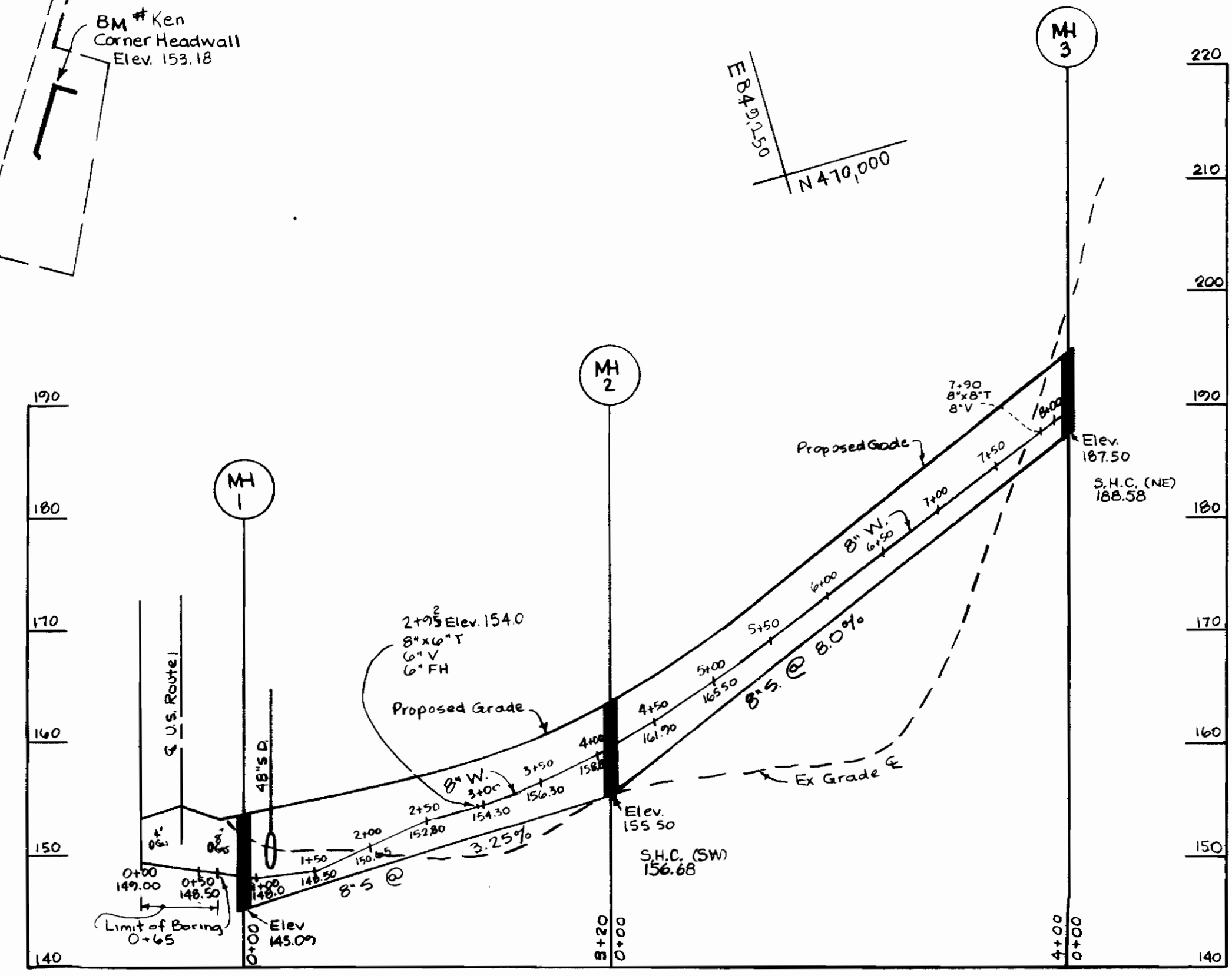
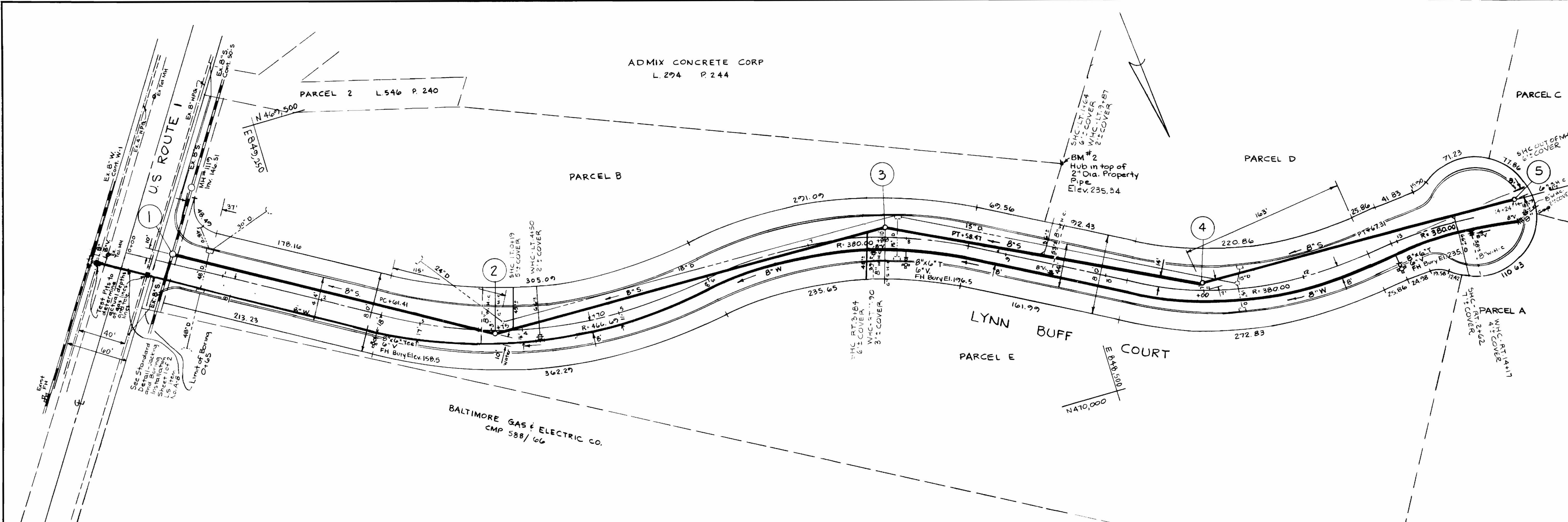


F. Denis Light  
 # 7617

U.S. Joint Venture  
 C-2667-D-W&S

<b>RICHARD P. BROWNE ASSOCIATES</b> ENGINEERS SURVEYORS PLANNERS ARCHITECTS COLUMBIA, MD. PEACHTREE CITY, GA. WAYNE, N. J.	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS Director: <i>H. J. Regan, Jr.</i> 11-6-76 Date Chief, Bureau of Engineering: <i>W. O. Lambert</i> 11-5-76 Date	CONTRACT NO. <u>X667-D W&amp;S</u>	<b>PLAN OF WATER &amp; SEWER MAINS</b>	<b>U.S. #1 JOINT VENTURE</b> 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING NO. <u>1</u> OF <u>2</u> SCALE 1" = 100' DES: FDL DRWN: MK CHK: DATE: 8-16-76
	<b>AS-BUILT</b> , May 31, 1977				

W.S. 667 - W&S/1



SANITARY MANHOLE RIM SCHEDULE			
SAN. MH NO.	RIM EL.	% SLOPE	CROSS SLOPE
1	153.61	2.20	3.12
2	163.38	5.64	3.12
3	174.08	8.00	3.12
4	220.08	8.00	3.12
5	240.70	4.00	3.12

See Standard Detail Jacking & Boring Installation Sheet 1 of 2 I.S. Item No. A-B

F. Denis Light #7617  
U.S. Joint Venture C. 2667-0-W+5

<b>RICHARD P. BROWNE ASSOCIATES</b> ENGINEERS SURVEYORS PLANNERS ARCHITECTS COLUMBIA, MD. PEACHTREE CITY, GA. WAYNE, N. J.	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS Director: <i>P.J. Regan</i> 11-6-76 Date Chief, Bureau of Engineering: <i>W.O. Libert</i> 11-5-76 Date		CONTRACT NO. <i>X667-D W&amp;S</i>	PLAN OF <b>WATER &amp; SEWER MAINS</b>	<b>U.S. #1 JOINT VENTURE</b> 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING NO. <i>2</i> OF <i>2</i>	SCALE PLAN: 1" = 50' PROFILE: 1" = 10' HORIZ. 1" = 100'	DES: FDL DRWN: MK DATE: 8-16-76
	AS-BUILT May 21, 1977							

WS 667 - wfs/a