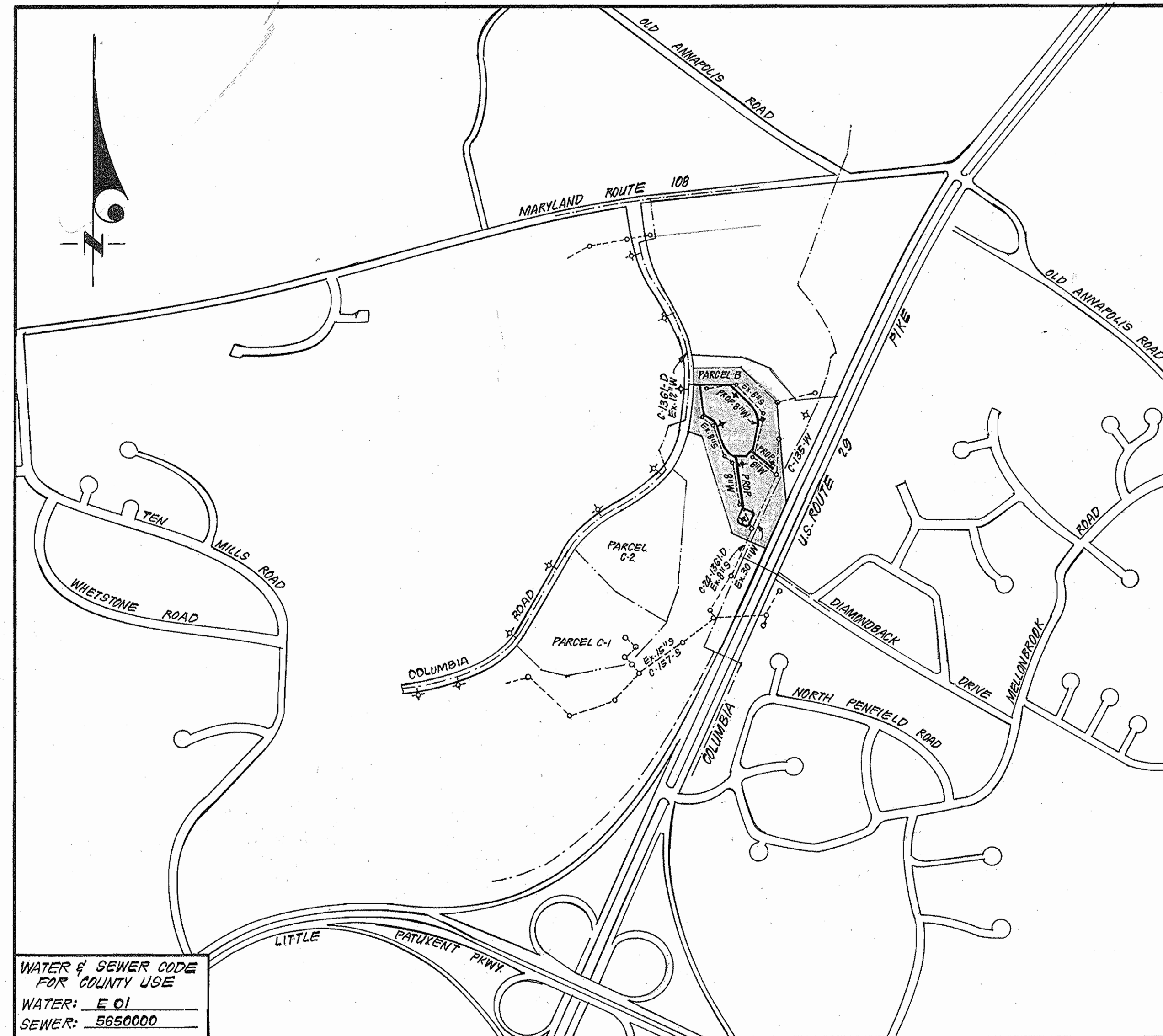


TYPE OF BUILDING	Townhouse
NUMBER OF UNITS	113
NUMBER OF SHC'S	2
NUMBER OF WHC'S	113
DRAINAGE AREA	Little Patuxent



WATER & SEWER CODE FOR COUNTY USE  
 WATER: E 01  
 SEWER: 5650000

VICINITY MAP  
 SCALE: 1"=600'

**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 Inspector, at the contractor's expense.
- 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 by 2'-0" minimum or tunnel as required. Any cost incurred to the contractor for tunneling or bracing of poles shall be included in unit prices bid for excavation and backfill.
- For details not shown on the drawings use Howard County Standard Details.
- For materials and construction methods use Howard County Standard Specifications & H.C. Design Manual.
- Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
- Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans.  
 State Highway Administration - 531-5533  
 Baltimore Gas & Electric Company - Contractor Services - 561-2505.  
 Customer Service - 685-0123  
 Baltimore Gas & Electric Company - Underground Damage Control - 234-5621  
 Baltimore Gas & Electric Company - Trouble Shooting - 208-9013.  
 "Miss Utility" - 1-559-0100  
 Chesapeake & Potomac (C & P) Telephone Company - 725-9976  
 Colonial Pipeline Company -  
 Bureau of Utilities Howard County - 992-2366
- Trees are to be protected from damage to maximum extent. Trees 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 as directed by the Inspector. Payment for such removal shall be included in the unit price bid for excavation and backfill.
- 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 water mains to be D.I.P. unless otherwise noted.
- Top 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.
- Block all fittings with concrete.
- Bury line elevations on fire hydrants shall be set to the 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 to be compacted in accordance with Section Standard Specifications.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C., or A.C.P. Class 2400 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.
- Water main and water house connection lines must have a minimum of one foot separation from the sanitary sewer and sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'.
- For all Copper Water House Connections, utilize flared type fittings only.

PARCEL B  
 CONTRACT NO. 24-1557-D W&S  
 VILLAGE OF DORSEY'S SEARCH  
 SECTION 3  
 AREA I  
 HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS

QUANTITIES			
ITEM	ESTIM'D	AS-BUILT	MATERIAL / SUPPLIER
8" W	2399 LF	2399 LF	
1" WHC	545 LF	545 LF	
3/4" WHC	1350 LF	1350 LF	
F.H.	6 EA.	6 EA.	
8" S	8 LF	8 LF	
4' DIA MH	2 EA	2 EA	
8" DC TYPE "B"	1 EA	1 EA	
2" WHC	15 LF	15 LF	
8" V	8 EA	8 EA	

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Site Development Plan SDP 86-281 ; Drawing 1 & 2. Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT  
 SIGNATURE: *[Signature]* DATE: 9-17-86  
 U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED:  
 SIGNATURE: *[Signature]* DATE: 9-17-86  
 HOWARD S.C.D.

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*[Signature]* 9-22-86  
 DIRECTOR OF PUBLIC WORKS DATE

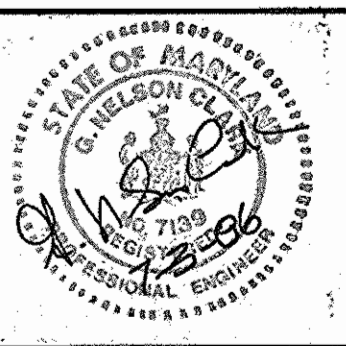
*[Signature]* 9-22-86  
 CHIEF, BUREAU OF UTILITIES DATE

*[Signature]* 9-22-86  
 CHIEF, BUREAU OF ENGINEERING DATE

*[Signature]* 9-22-86  
 CHIEF, LAND DEVELOPMENT DIV. DATE

**CFE** CLARK, FINEPROCK & SACKETT  
 ENGINEERS - PLANNERS - SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
 (301) 593-3400



DES:	
DRN:	
CHK:	
DATE:	
BY:	
NO.:	
REVISION:	
DATE:	

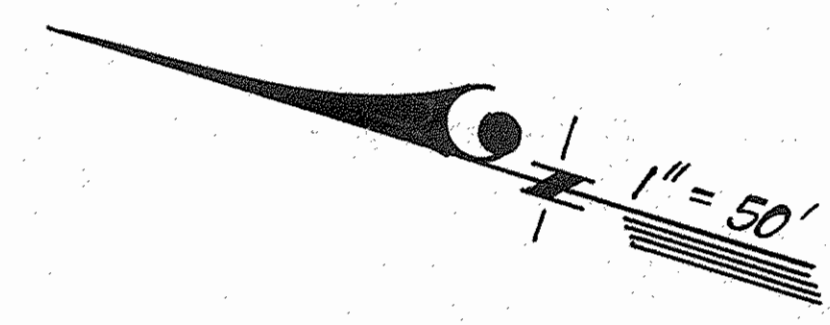
VICINITY MAP AND  
 GENERAL NOTES

600' SCALE MAP NO. \_\_\_\_\_ BLOCK NO. \_\_\_\_\_

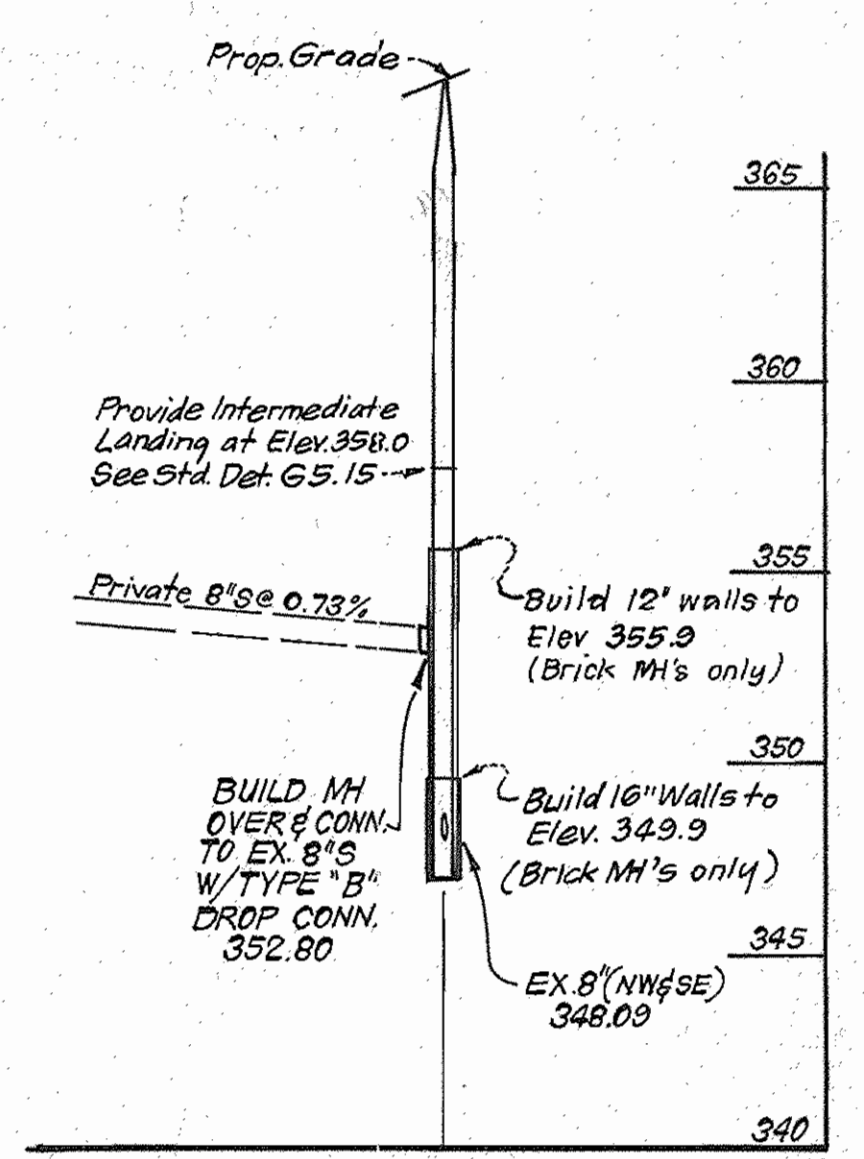
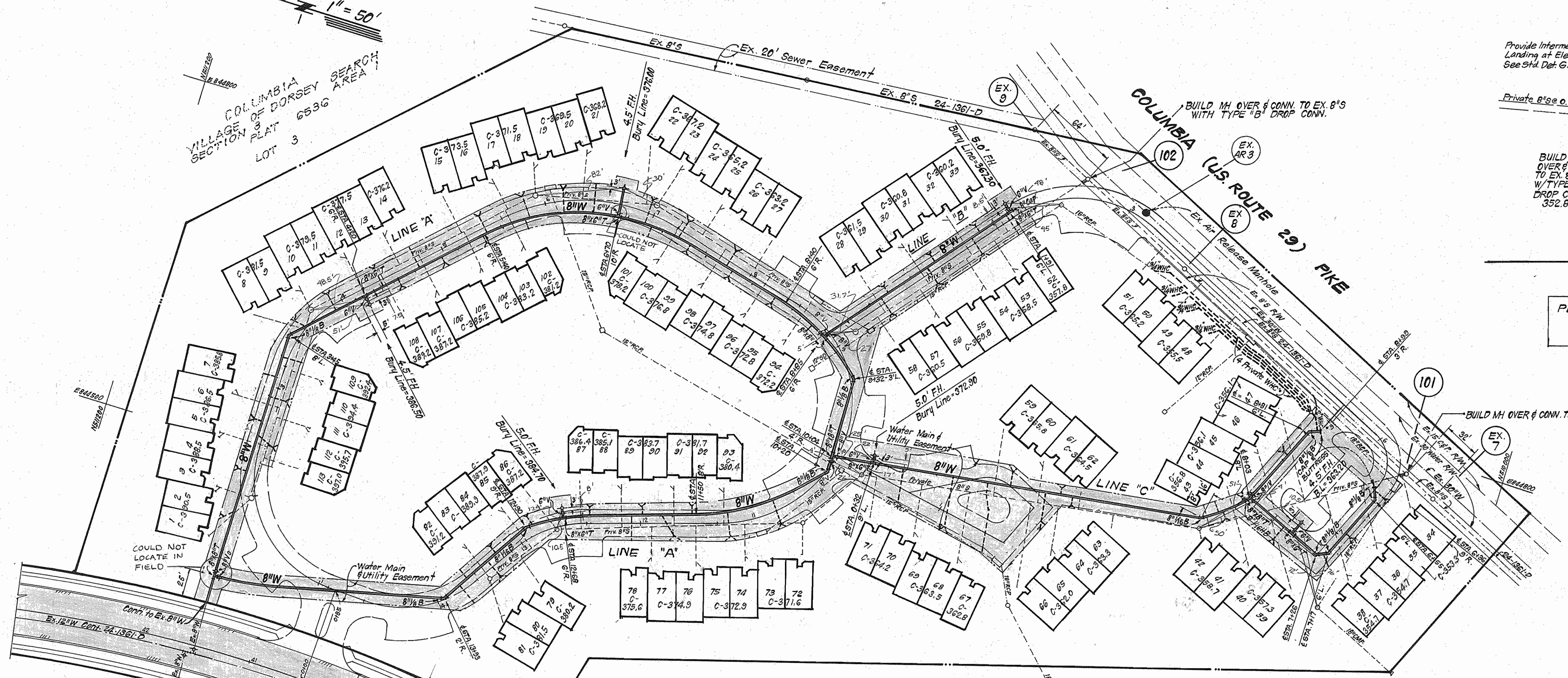
COLUMBIA  
 VILLAGE OF DORSEY'S SEARCH  
 SECTION 3 AREA I  
 PARCEL B  
 6th ELECTION DISTRICT  
 CONTRACT NO. 24-1557-D

SCALE  
 AS SHOWN  
 SHEET  
 1 OF 3

102  
367.9

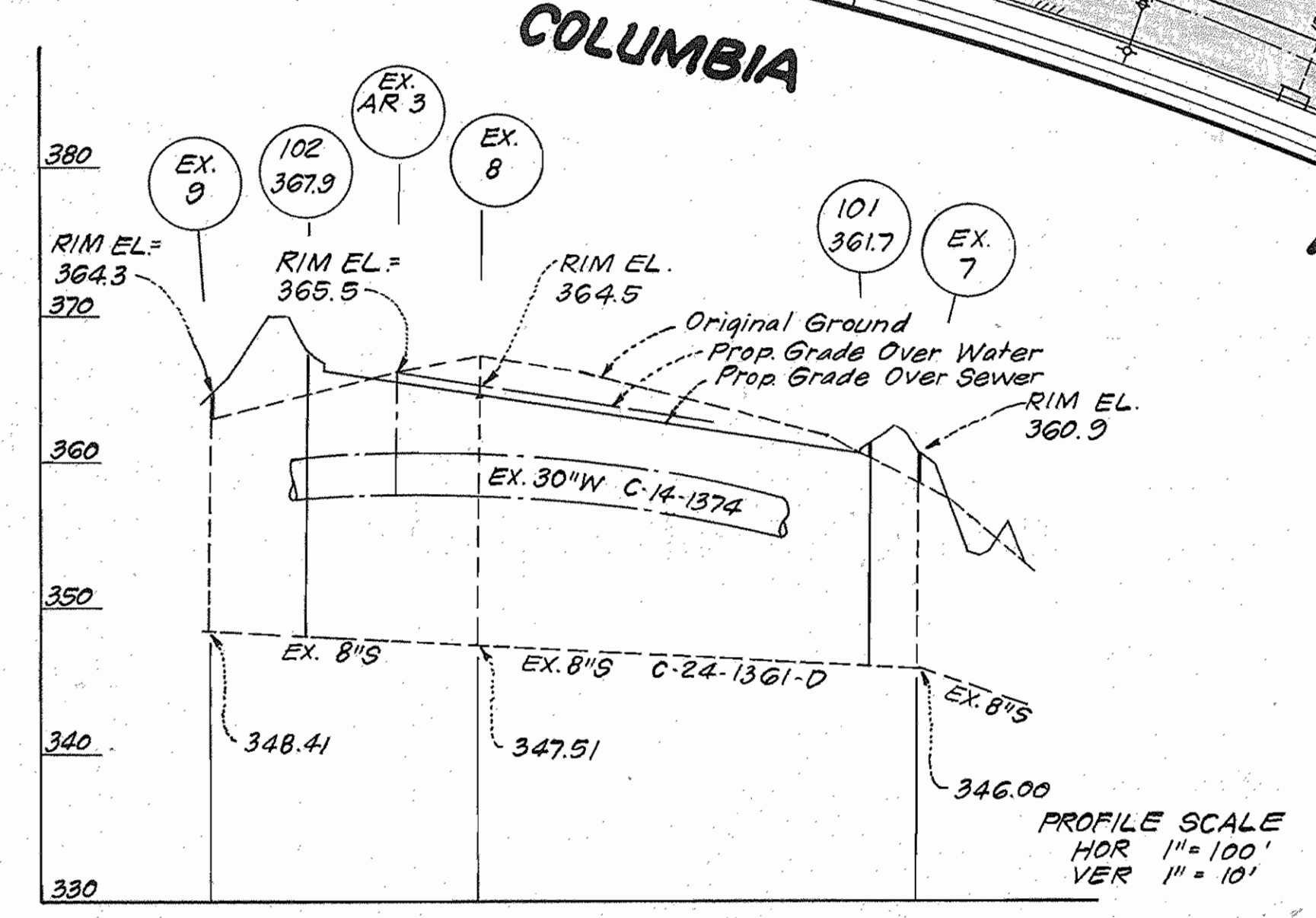


1" = 50'  
COLUMBIA VILLAGE OF DORSEY'S SEARCH SECTION 3 PLAT 6536 LOT 3

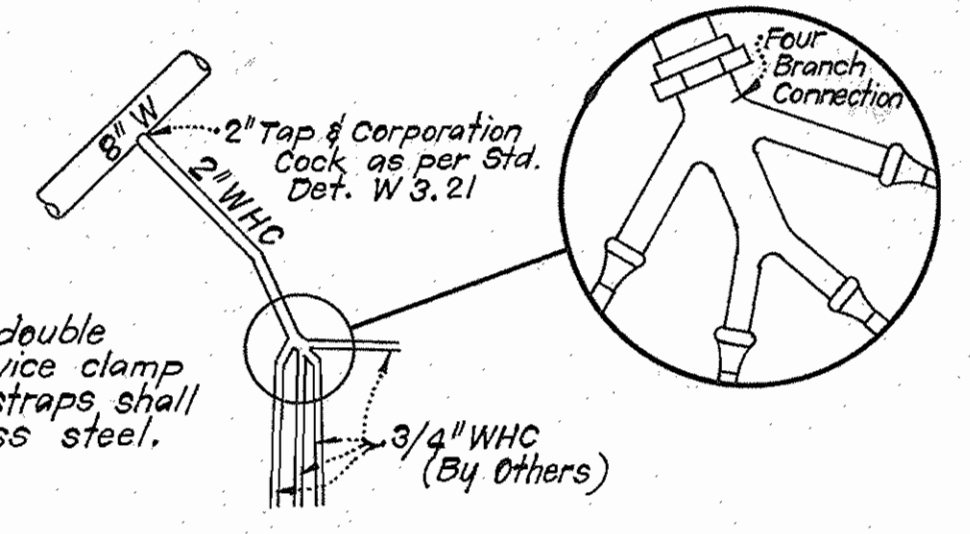


PROFILE SCALE  
HOR. 1" = 50'  
VERT. 1" = 5'

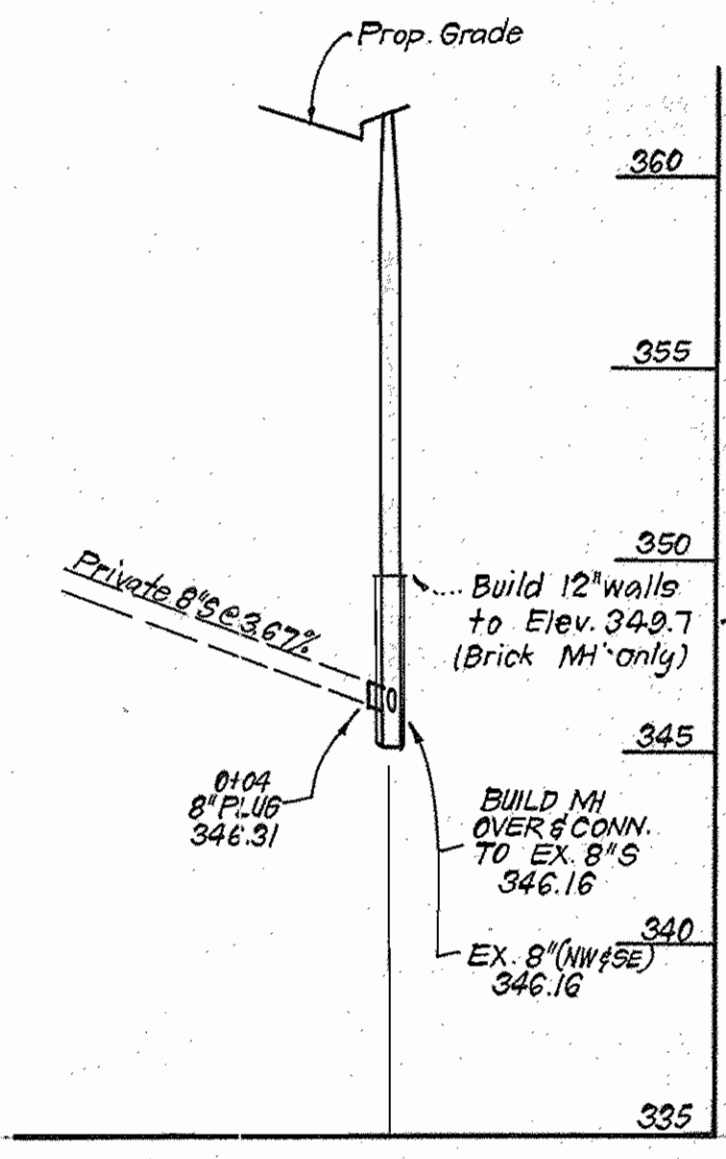
NOTE: ADJUST EXISTING MANHOLE RIMS TO ELEVATIONS SHOWN.



PROFILE SCALE  
HOR. 1" = 100'  
VER. 1" = 10'

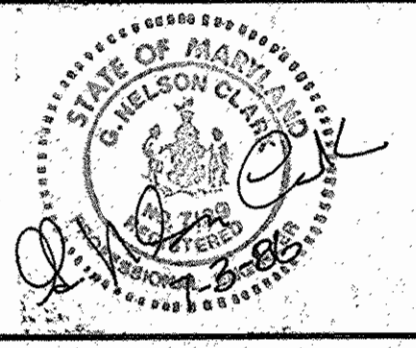


4-WAY WHC DETAIL  
UNITS 48 THRU 51  
no scale



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
Director of Public Works: [Signature]  
Date: 9-18-86  
Chief, Bureau of Utilities: [Signature]

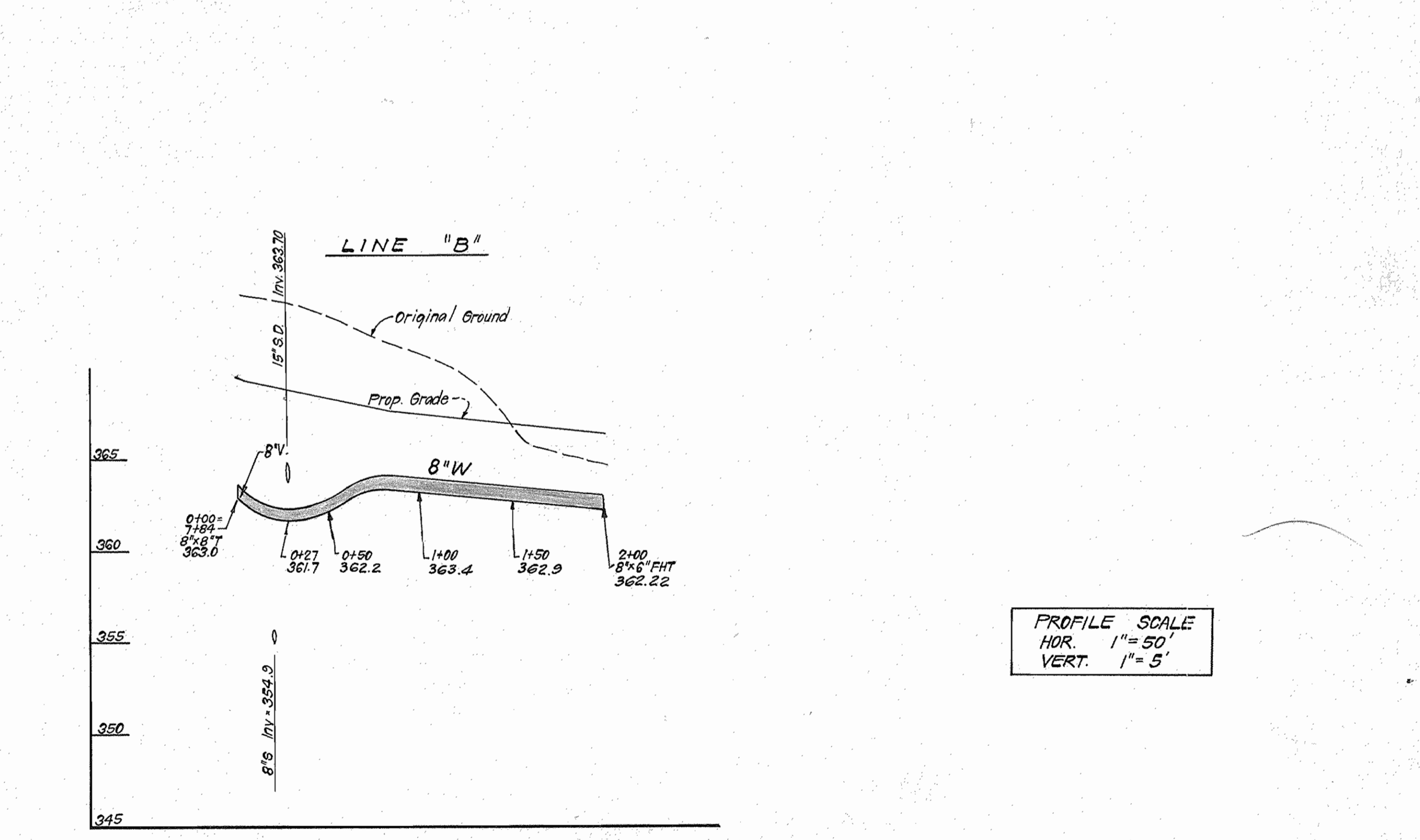
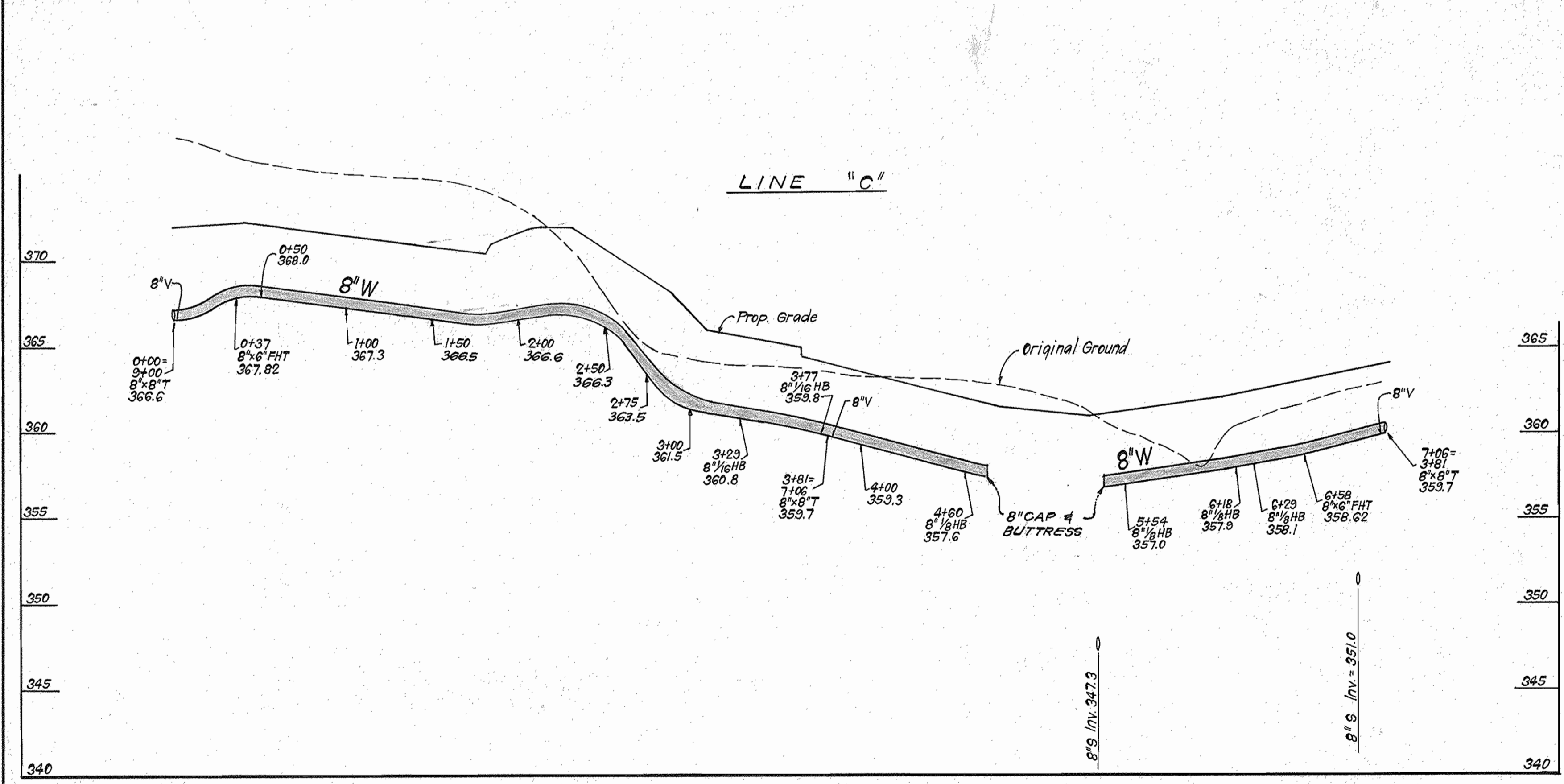
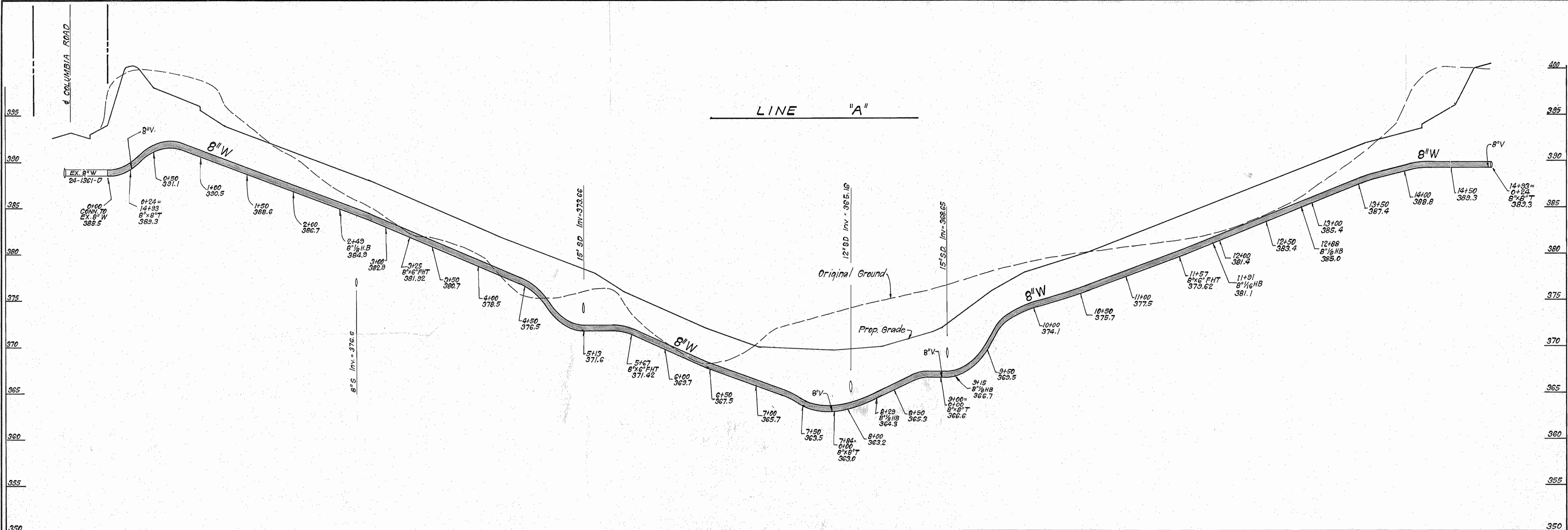
CLARK - FINEFROCK & SACKETT  
ENGINEERS - PLANNERS - SURVEYORS  
11315 LOCKWOOD DRIVE, SILVER SPRING, MARYLAND 20904  
(301) 593-3400



DES:	VLM 1	Revised Profile M102, added profile Ex.9-Ex.7	11-12-86
	VLM 2	Deleted 70LF of 8"W on Line "C"	3/18/87
DRN:			
CHK:			
DATE:	BY NO.	REVISION	DATE

PLAN & PROFILES OF  
WATER & SEWER MAINS  
600' SCALE MAP NO. \_\_\_\_\_ BLOCK NO. \_\_\_\_\_

COLUMBIA VILLAGE OF DORSEY'S SEARCH SECTION 3 AREA I  
PARCEL B  
6th ELECTION DISTRICT  
CONTRACT NO. 24-1557-D  
SCALE AS SHOWN  
SHEET 2 OF 3



PROFILE SCALE  
HOR. 1" = 50'  
VERT. 1" = 5'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

Director of Public Works: *John E. Nalley* 9-11-86  
Chief, Bureau of Engineering: *William E. Kelly* 9-22-86  
Chief, Bureau of Utilities: *Ruth Bunn* 9-18-86  
Chief, Land Development Div.: *William H. ...* 9-22-86

CLARK · FINEPROCK & SACKETT  
ENGINEERS · PLANNERS · SURVEYORS  
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND · 20904  
(301) 593-3400



DES:	VLM 1	Revised Line "C" & "B" Profiles	11-2-86
DRN:	VLM 2	Deleted 70 L.F. of 8" W on Line "C"	3-18-87
CHK:			
DATE:	BY	NO.	REVISION

PROFILES OF WATER MAINS

600' SCALE MAP NO. \_\_\_\_\_ BLOCK NO. \_\_\_\_\_

COLUMBIA  
VILLAGE OF DORSEYS SEARCH  
SECTION 3 AREA 1  
PARCEL B  
6th ELECTION DISTRICT  
CONTRACT NO. 24-1557-D

SCALE AS SHOWN  
SHEET 3 OF 3

AS-BUILT G. WALLACE 5/5/89