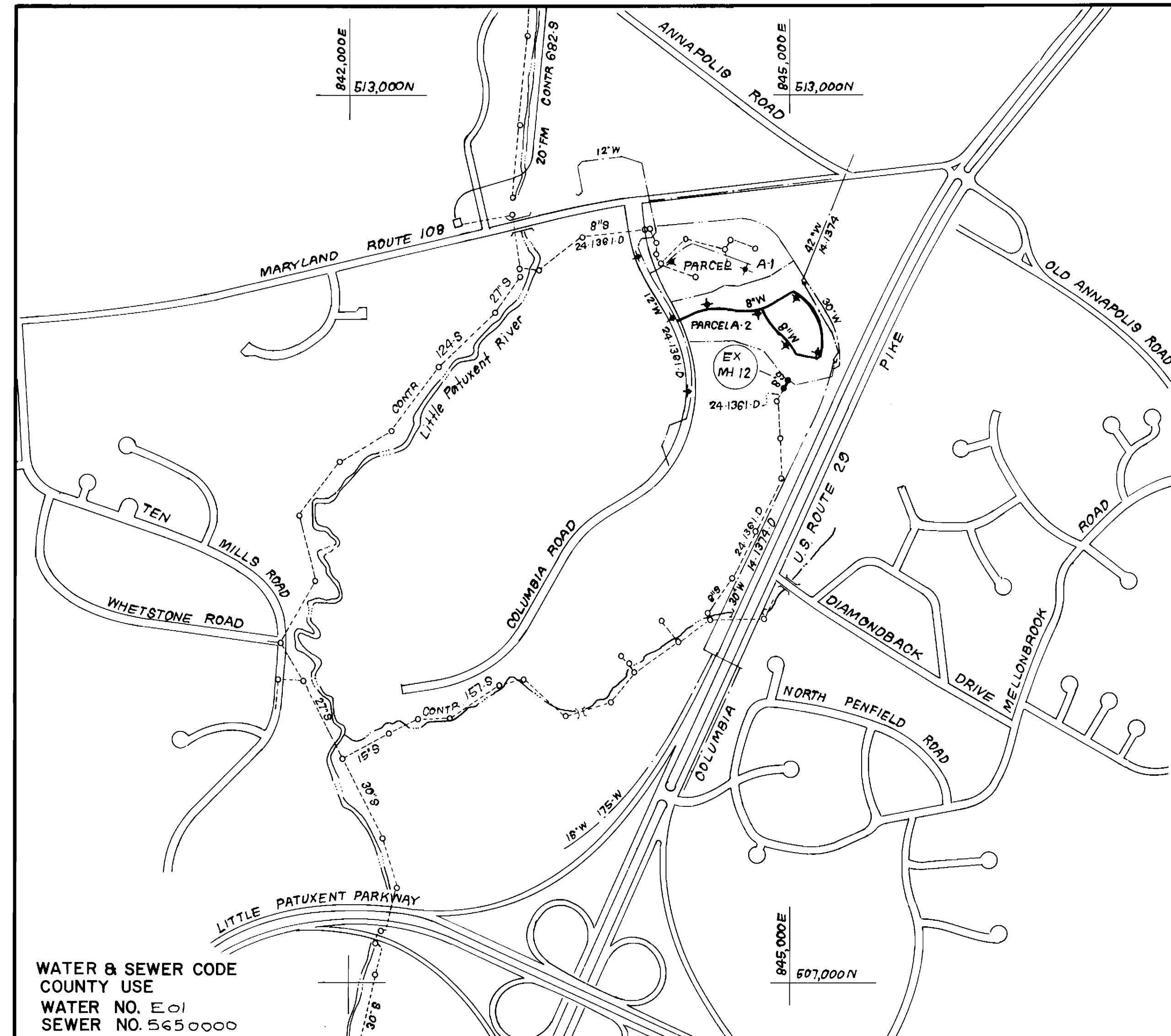


TYPE OF BUILDING	Apartments
Nº OF UNITS	192
Nº OF SHC'S	1
Nº OF WHC'S	9
DRAINAGE AREA	Little Patuxent



WATER & SEWER CODE
 COUNTY USE
 WATER NO. E.01
 SEWER NO. 5450000

VICINITY MAP
 SCALE: 1" = 600'

GENERAL NOTES

1. 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.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. Datum.
4. All pipe elevations shown are invert elevations.
5. 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 at poles shall be included in unit prices bid for excavation and backfill.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods, use Howard County Standard Specifications & Ho. Co. Design Manual, Volume III. The Contractor shall have a copy of Volume III on the job.
8. 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.
9. 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 - 850-4820
 Baltimore Gas & Electric Company - Underground Damage Control - 959-9004
 Baltimore Gas & Electric Company - Trouble Shooting - 298-9001
 "Miss Utility" - 1-559-0100
 Chesapeake & Potomac (C & P) Telephone Company - 1-800-257-7777
 Colonial Pipeline Company - 795-1300
 Bureau of Utilities Howard County - 992-2366
10. 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.
11. 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.
12. 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.
13. All water mains to be D.I.P. unless otherwise noted.
14. Top of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
15. Valves adjacent to tees shall be strapped to tees.
16. Block all fittings with concrete.
17. 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 Sections 1003 & 1008 of the Standard Specifications.
18. All water house connections shall be for an outside meter setting. Vault locations are shown thus: □
19. The contractor shall not operate any water main valves on the existing system.
20. 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.
21. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
22. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
23. 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'.
24. For all Copper Water House Connections, utilize flared type fittings only.

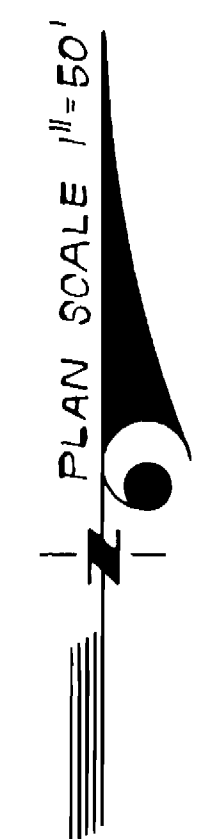
CONTRACT NO. 24-1584-D
 VILLAGE OF DORSEY'S SEARCH
 PARCEL A-2, SECTION 3 AREA I
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

QUANTITIES			
ITEM	EST'D.	AS BUILT	MATERIAL SUPPLIER
8" W	1922 LF	1876 LF	CLASSE 52 / US PIPE & FOUNDRY
8" S	45 LF	48.53 LF	SDR-35 PVC / LCP MANUFACTURING
2" WHC	205 LF	295 LF	COPPER TYPE K / HALSIFD METALS
FH	5 EA	5 EA	METROPOLITAN / US PIPE & FOUNDRY
4'-0" DIA MH	2 EA	2 EA	ATLANTIC PRECAST CORP
8" V	3 EA	3 EA	US PIPE & FOUNDRY
2' Meter Vault	9 EA	9 EA	M & C SALES / FORD METER BOX

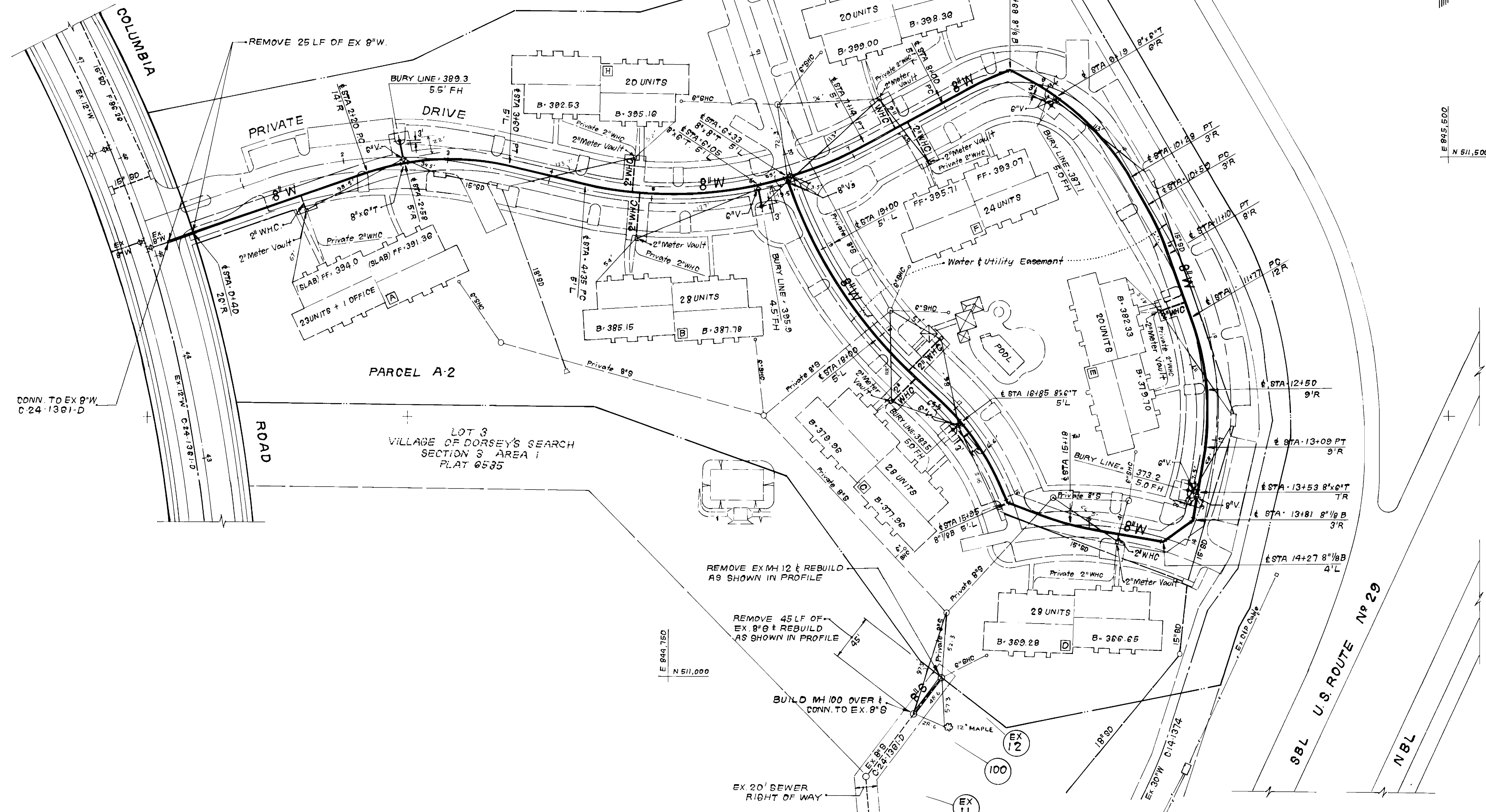
Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Site Development Plan: SDP-87-76; Drawing Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
Robert M. Selman 11-7-86
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE
 This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 APPROVED:
Stephen L. Fisher 11/2/86
 HOWARD S.C.D. DATE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DIRECTOR OF PUBLIC WORKS: <i>Robert M. Selman</i> 11-12-86 CHIEF, BUREAU OF ENGINEERING: <i>William G. Reay</i> 11-12-86 CHIEF, BUREAU OF UTILITIES: <i>Robert M. Selman</i> 11-12-86 CHIEF, LAND DEVELOPMENT DIV.: <i>William G. Reay</i> 11-12-86	CFS CLARK, FINEFROCK & SACKETT ENGINEERS, PLANNERS, SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400	STATE OF MARYLAND G. HELENE CLARK CLERK OF THE CIRCUIT COURT 10-10-86	DES: JTR DRN: JTR CHK: DCM DATE: 10-10-86	TITLE SHEET 600' SCALE MAP NO. 30 BLOCK NO.	COLUMBIA, VILLAGE OF DORSEY'S SEARCH PARCEL A-2, SECTION 3 AREA I 6TH ELECTION DISTRICT CONTRACT NO. 24-1584-D	SCALE AS SHOWN SHEET 1 OF 3
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E 845,500
N 511,500



PARCEL A1
VILLAGE OF DORSEY'S SEARCH
SECTION 3 AREA 1
PLAT 6535

PARCEL A-2
LOT 3
VILLAGE OF DORSEY'S SEARCH
SECTION 3 AREA 1
PLAT 6535

REMOVE EX MH 12 & REBUILD
AS SHOWN IN PROFILE

REMOVE 45 LF OF
EX 8\"/>

BUILD MH 100 OVER &
CONN. TO EX 8\"/>

EX 20' SEWER
RIGHT OF WAY

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Joseph F. Nalley 11-12-86
DIRECTOR OF PUBLIC WORKS DATE

Richard B. ... 11-12-86
CHIEF, BUREAU OF UTILITIES DATE

... 11-12-86
CHIEF, BUREAU OF ENGINEERING DATE

... 11-12-86
CHIEF, LAND DEVELOPMENT DIV. DATE

CFE CLARK · FINEPROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

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



DES: JTR			
DRN: JTR			
CHK: CCM			
DATE: 10-10-86	BY NO.	REVISION	DATE

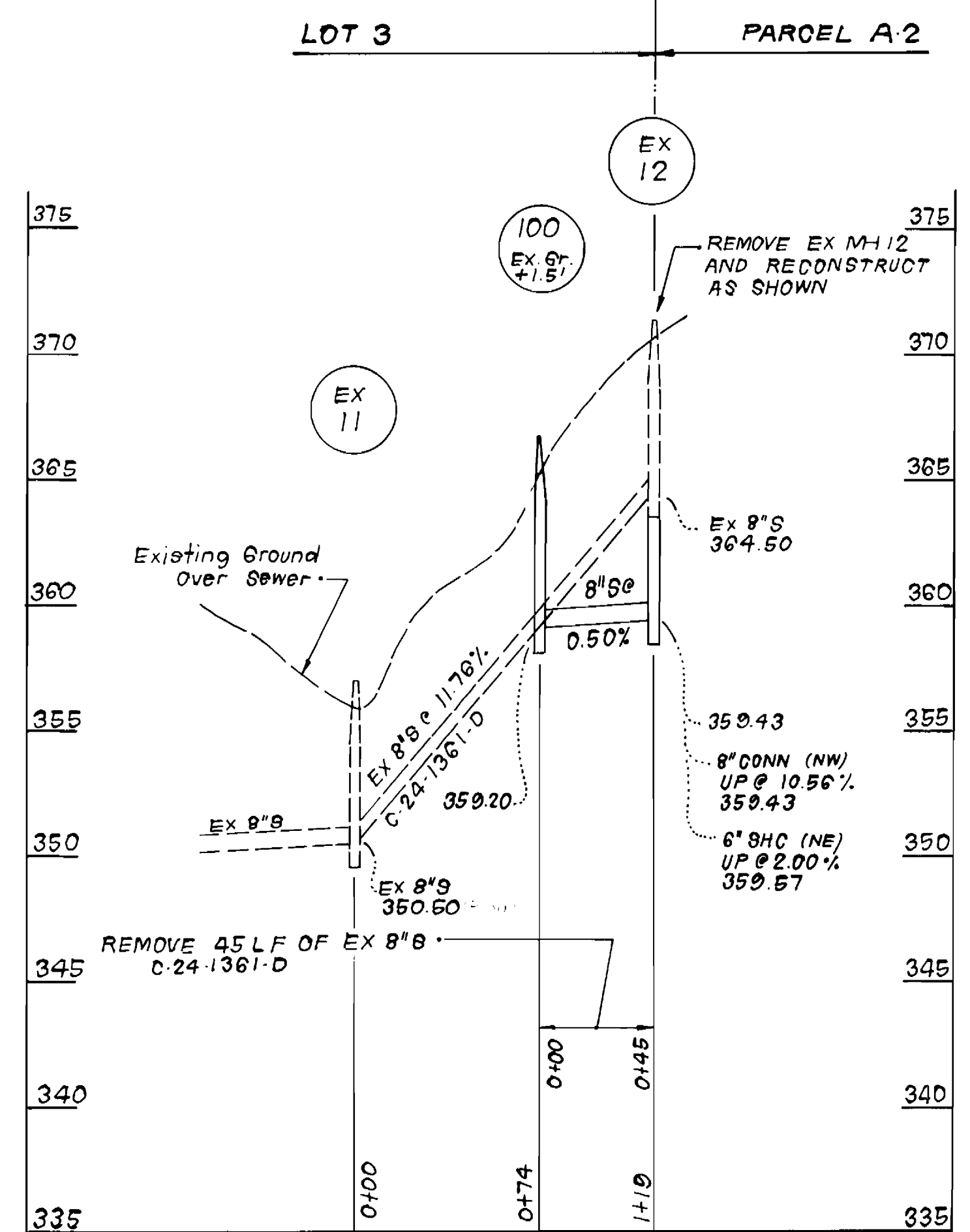
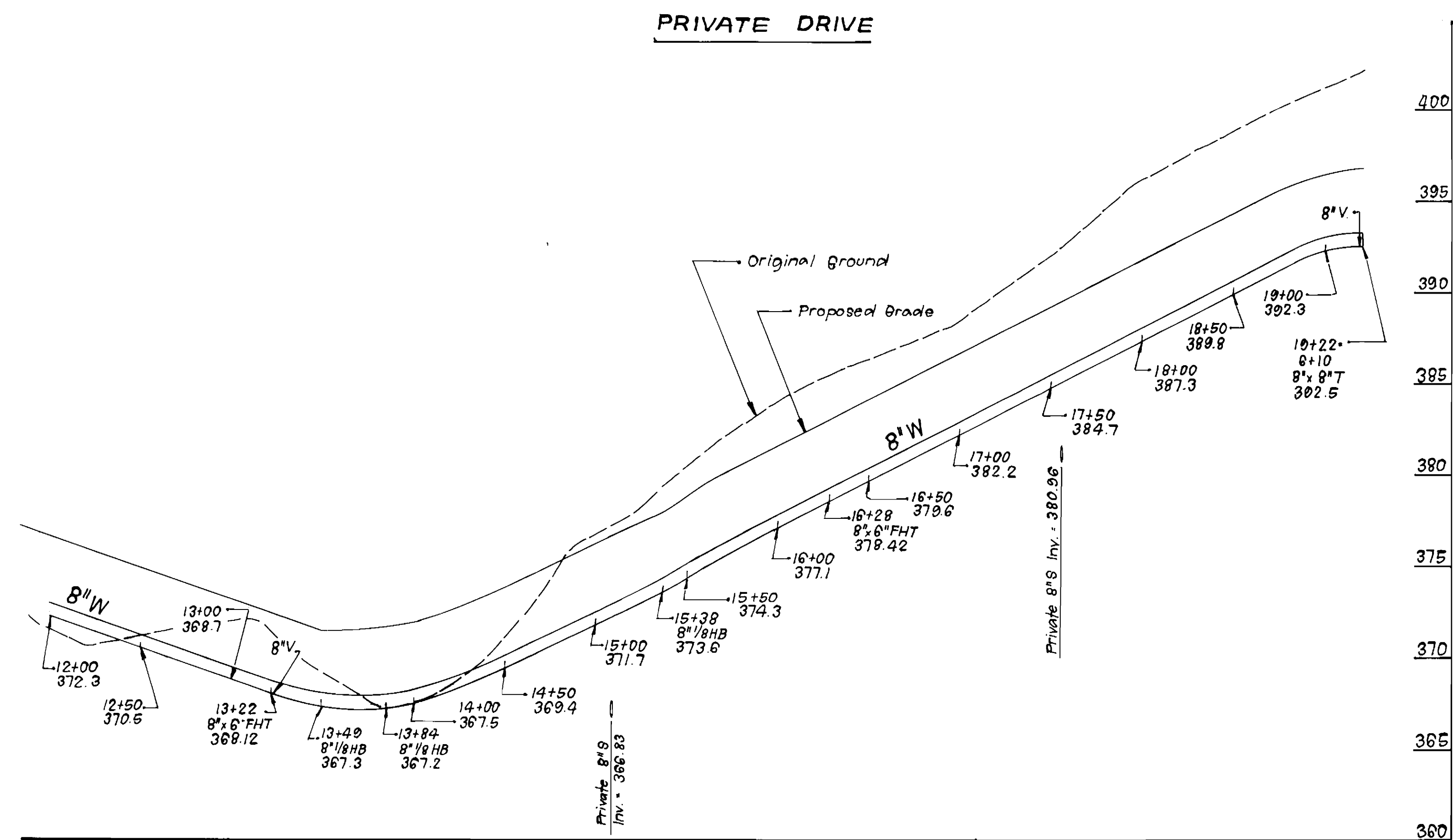
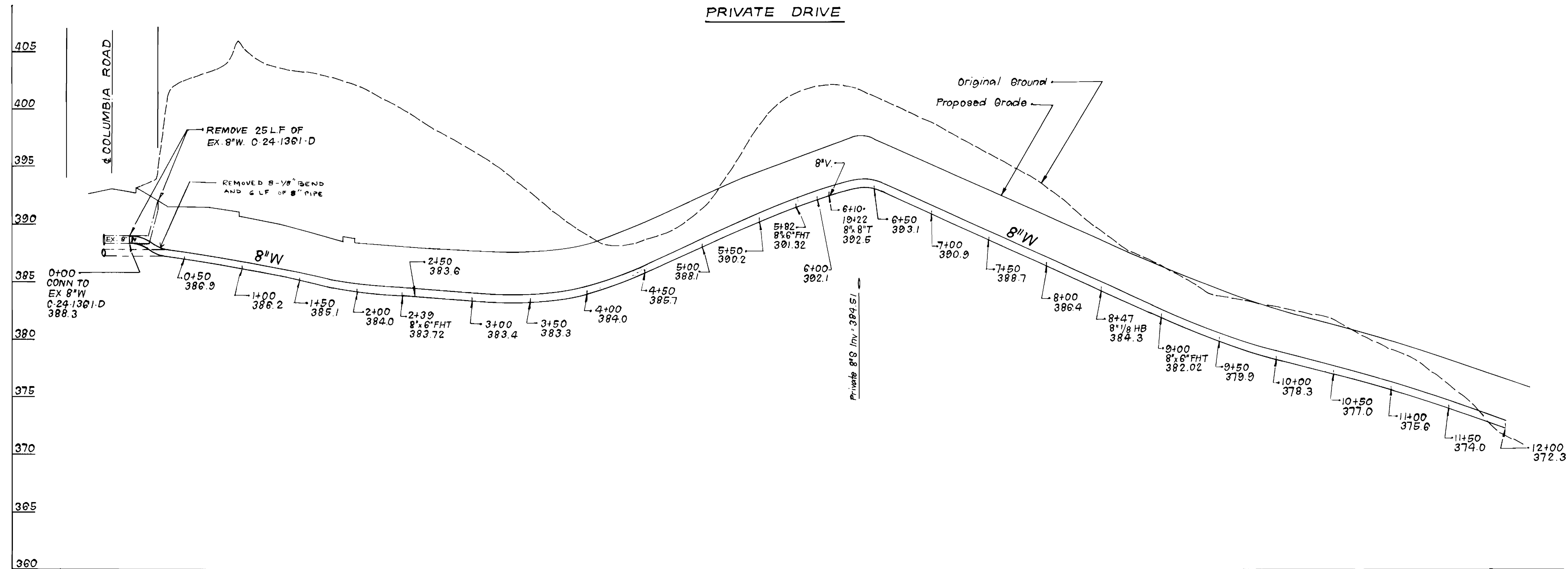
PLAN OF
WATER & SEWER MAINS

600' SCALE MAP NO. 30 BLOCK NO.

COLUMBIA, VILLAGE OF DORSEY'S SEARCH
PARCEL A-2, SECTION 3 AREA 1
6TH ELECTION DISTRICT
CONTRACT NO. 24-1584-D

SCALE
PLAN
1"=50'

SHEET
2 OF 3



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert F. Neuman
DIRECTOR OF PUBLIC WORKS
DATE: 11-12-86

Robert F. Neuman
CHIEF, BUREAU OF UTILITIES
DATE: 11-12-86

Michael J. ...
CHIEF, LAND DEVELOPMENT DIV.
DATE: 11-12-86

CFS CLARK - FINEPROCK & SACKETT
ENGINEERS - PLANNERS - SURVEYORS

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



DES: JTR			
DRN: JTR			
CHK: CCM			
DATE: 10-10-86	BY	NO.	REVISION

PROFILES OF
WATER & SEWER MAINS

600' SCALE MAP NO. 30 BLOCK NO.

COLUMBIA, VILLAGE OF DORSEY'S SEARCH
PARCEL A-2, SECTION 3 AREA I
6TH ELECTION DISTRICT
CONTRACT NO. 24-1584-D

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

SHEET
3 OF 3