

# CONTRACT NO. 34-3219-D

## VILLAGE OF HARPERS CHOICE

### PHASE 1

## HOWARD COUNTY, MARYLAND

### DEPARTMENT OF PUBLIC WORKS

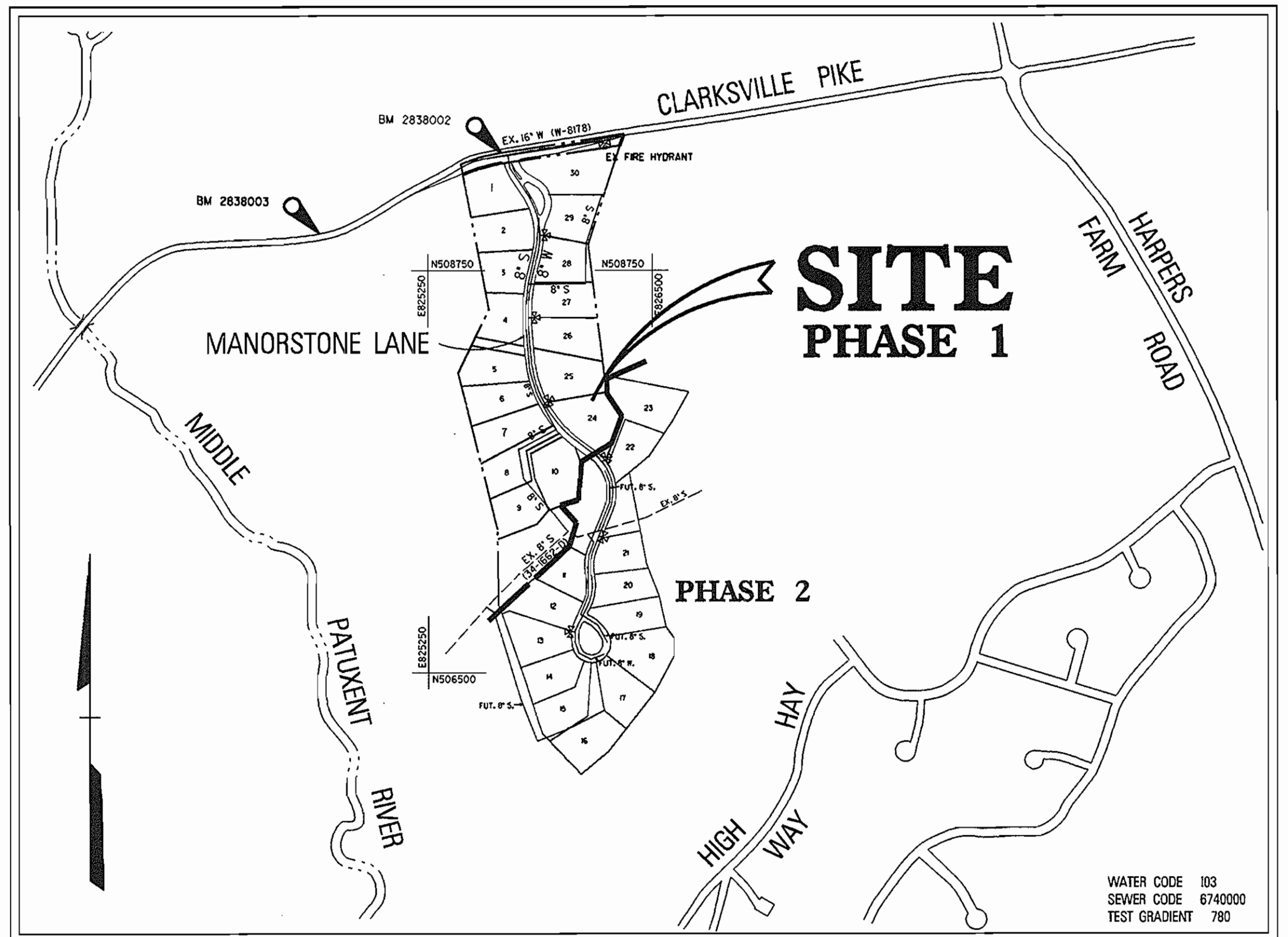
**GENERAL NOTES**

- PART I**
- 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
B&E CO. CONTRACTOR SERVICES	850-4620
B&E CO. UNDER GROUND DAMAGE CONTROL	787-9068
MISS UTILITY	1-800-257-7777
COLONIAL PIPELINE CO.	795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
BUREAU OF UTILITIES	313-4900

- PART II - WATER**
- 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 1/2" WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING EXCEPT LOTS 8 AND 9 WHICH WILL HAVE OUTSIDE WATER METERS SETTINGS. SEE NOTE ON PLANS.

- PART III - SEWER**
- ALL SEWER MAINS SHALL BE DIP, RCP, VCPX, CSPX, RCCP, OR 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 WATER TIGHT FRAME AND COVERS. STANDARD DETAIL 05.62 WHERE WATER TIGHT 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.



**VICINITY MAP**  
SCALE: 1" = 600'

ITEM	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W.	1825 LF	1825	D.I.P.	TYLER PIPE & FOUNDRY
6" W.	30 LF	31	D.I.P.	"
8" S.	2493 LF	2497	PVC SDR35	CERTAINTEED CORP.
4" S.	330 LF	332	PVC SDR35	"
8" DIP CL 52	342 LF	347	D.I.P.	"
1/2" MHC	81 LF	81	COPPER	TYLER PIPE & FOUNDRY
1/2" MHC	490 LF	495	COPPER	WALSTEAD
FIRE HYDRANT	4 EA	4	D.I.P.	MUELLER CORP.
4" DIA. MH	14 EA	14		ATLANTIC CONC.
8" VALVE	2 EA	2	D.I.P.	MUELLER CORP.
NAME OF UTILITY CONTRACTOR <u>W.F. WILSON</u>				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE _____				

**BENCHMARK**  
DESCRIPTION  
STATION 2838003  
3/4" REINFORCING ROD, 0.5' BELOW SURFACE  
N 508916.632; E 824630.474  
ELEV. 367.204'

**BENCHMARK**  
DESCRIPTION  
STATION 2838002  
CONCRETE MONUMENT, 0.6' BELOW SURFACE  
N 509424.956; E 825625.556  
ELEV. 434.527'

TYPE OF BUILDING:	SINGLE FAMILY
NO. OF LOTS / PARCELS:	17
NO. OF WATER HOUSE CONNECTIONS:	17
NO. OF SEWER HOUSE CONNECTIONS:	17
DRAINAGE AREA:	MIDDLE PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT WATER QUALITY MANAGEMENT CENTER, SAVAGE, HOWARD COUNTY

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

*John P. Robertson* 3/11/94  
SIGNATURE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

APPROVED *Robert M. Beaman* 3/11/94  
HOWARD S.C.D. DATE

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH ROAD CONSTRUCTION PLANS F93-141

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James P. Sherr* 3/7/94  
DIRECTOR OF PUBLIC WORKS - DATE

*Robert M. Beaman* 3-3-94  
CHIEF - BUREAU OF UTILITIES - DATE

*Paul W. Eppson* 3/4/04  
CHIEF - BUREAU OF ENGINEERING - DATE

*Robert M. Beaman* 3/4/94  
CHIEF - LAND DEVELOPMENT DIVISION - DATE

**DMW**  
Daft · McCune · Walker, Inc.

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

200 East Pennsylvania Avenue  
Towson, Maryland 21286  
410 296 8333  
Fax 296 4705



DESIGN BY:	RTP			
DRAWN BY:	RTP			
CHECKED BY:	JWR			
DATE:	Jan 94	BY	NO.	REVISION
				DATE

TITLE SHEET

600 SCALE MAP NO. 29 BLOCK NO. 15,21

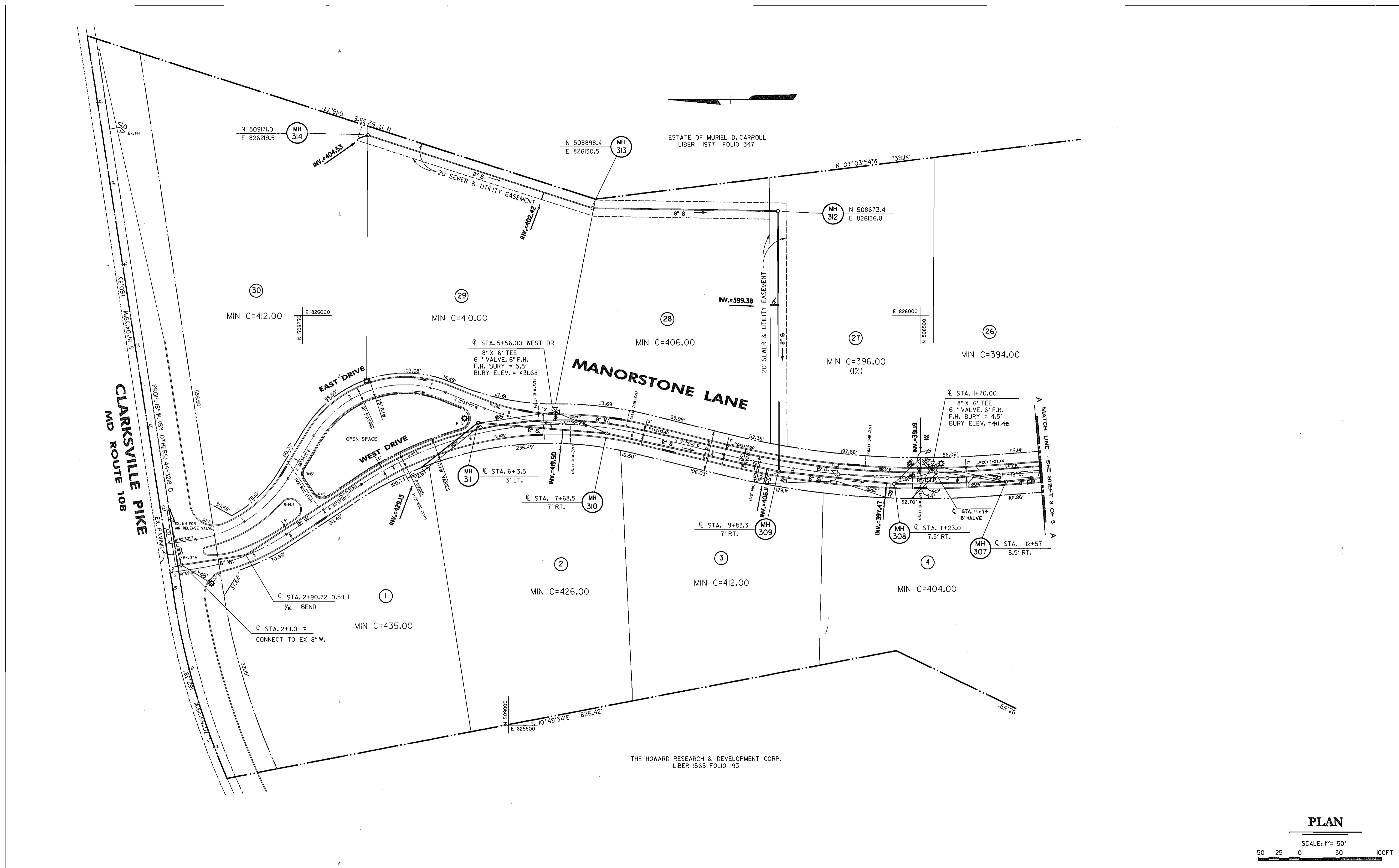
COLUMBIA  
VILLAGE OF HARPERS CHOICE  
SECTION 5 AREA 9 PHASE 1  
LOTS 1 THRU 10 & 24 THRU 30  
5TH ELECTION DISTRICT

CONTRACT NO. 34-3219-D AS-BUILT

SCALE AS SHOWN  
SHEET 1 OF 5

V.H.C. 5/9, Ph. 1, lots 1-10, 24-30  
ws/1  
3219

V.A.C. 5/9  
ws/w  
3219



**PLAN**

SCALE: 1" = 50'  
50 25 0 50 100FT

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James P. Cunn* 3/2/94  
DIRECTOR OF PUBLIC WORKS - DATE

*Robert D. Swain* 3-3-94  
CHIEF - BUREAU OF UTILITIES - DATE

*Paul J. Swain* 3/2/94  
CHIEF - BUREAU OF ENGINEERING - DATE

*Mr. [Signature]* 3/1/94  
CHIEF - LAND DEVELOPMENT DIVISION - DATE

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Fax 296 4705



DESIGN BY:	RTP		
DRAWN BY:	RTP		
CHECKED BY:	JWR		
DATE:	Nov 93		
BY	NO.	REVISION	DATE
		REVISED BURY ELEVATION FOR STA 11+70.00	4-17-94

**WATER & SEWER PLAN**

600 SCALE MAP NO. 29 BLOCK NO. 15.21

**COLUMBIA**  
VILLAGE OF HARPER'S CHOICE  
SECTION 5 AREA 9 PHASE 1  
LOTS 1 THRU 10 & 24 THRU 30  
5th ELECTION DISTRICT

CONTRACT NO. 34-3219-D-BUILD

SCALE AS SHOWN  
SHEET 2 OF 5

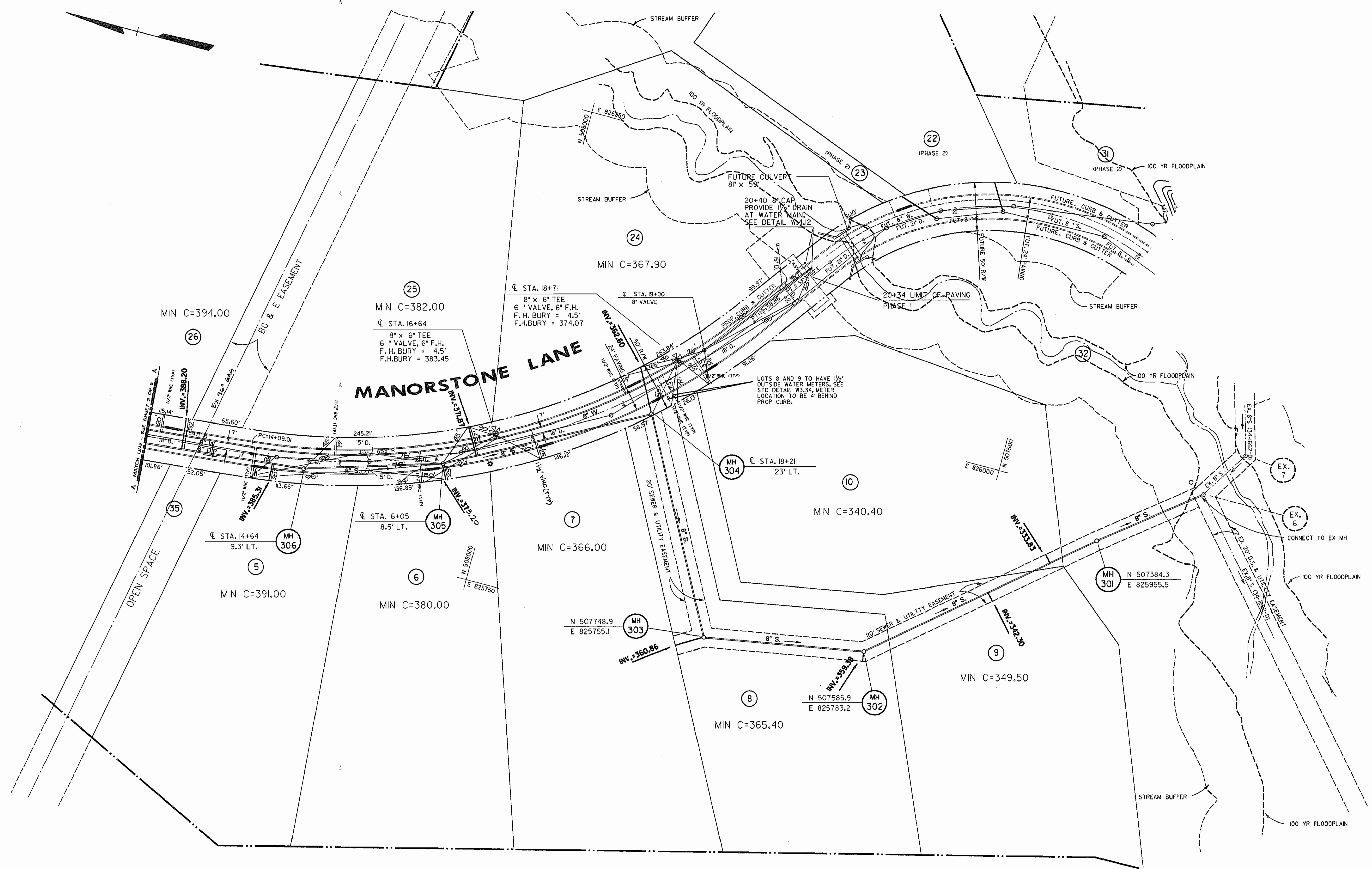


3219

V.H.C. 5/9

ws/3

3219



**PLAN**

SCALE: 1" = 50'



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

James J. Allen 3/7/94  
DIRECTOR OF PUBLIC WORKS - DATE

Paul J. Seaman 3/4/94  
CHIEF - BUREAU OF ENGINEERING - DATE

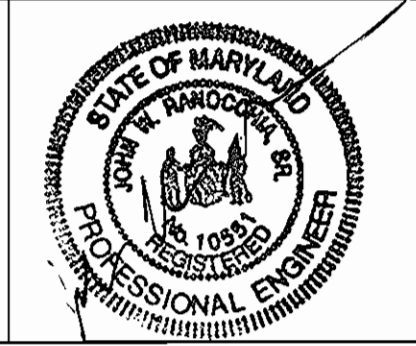
Robt. W. Dunning 3-5-94  
CHIEF - BUREAU OF UTILITIES - DATE

Chris Deane 3/4/94  
CHIEF - LAND DEVELOPMENT DIVISION - DATE

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Towson, Maryland 21286  
410 296 3333  
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DRAWN BY:	RTP		
CHECKED BY:	JWR		
DATE:	Jan 94		

**WATER & SEWER PLAN**

600 SCALE MAP NO. 29 BLOCK NO. 15,21

**COLUMBIA**  
VILLAGE OF HARPER'S CHOICE  
SECTION 5 AREA 9 PHASE 1  
LOTS 1 THRU 10 & 24 THRU 30  
5th ELECTION DISTRICT

CONTRACT NO. 34-3219-D AS-BUILT

SCALE AS SHOWN  
SHEET 3 OF 5

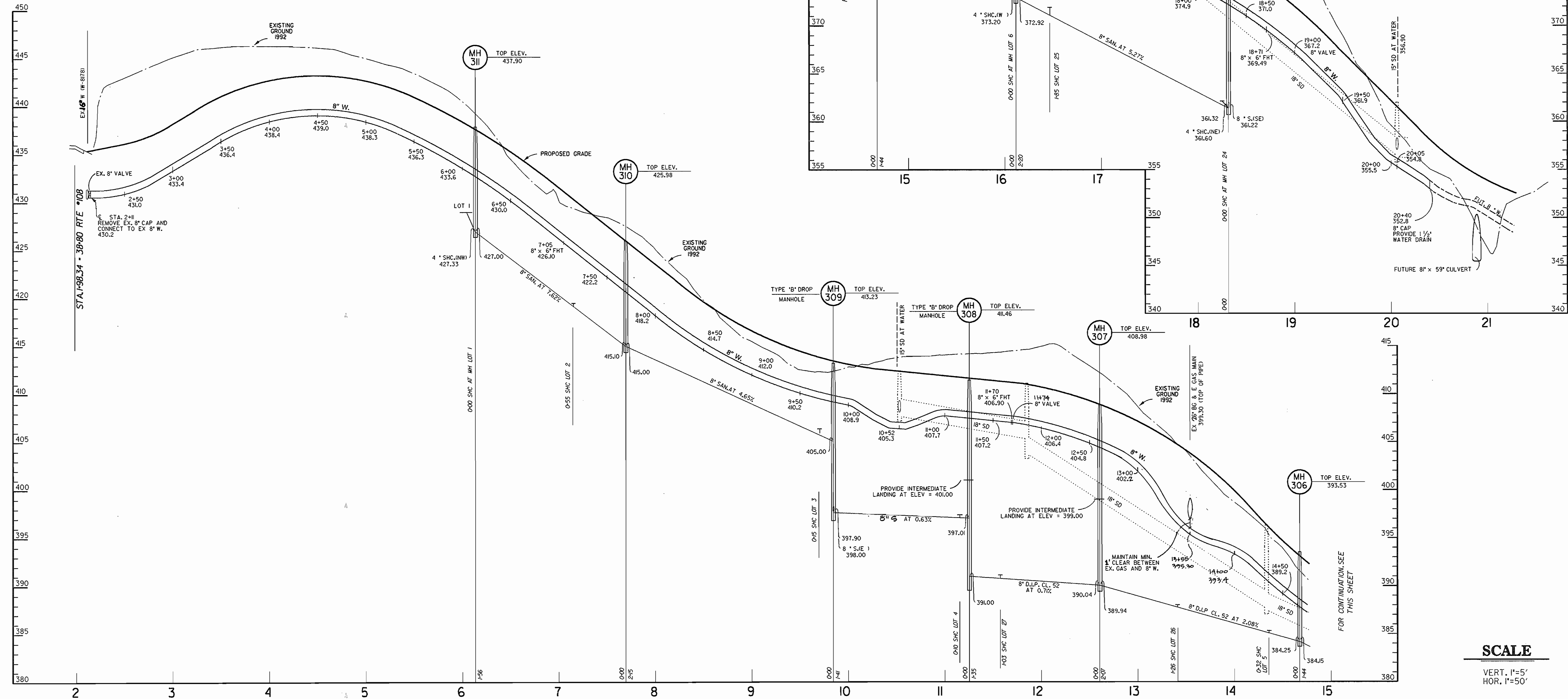
AS-BUILT

ws/4 V.H.C. 5/9

3219

# MANORSTONE LANE

# MANORSTONE LANE



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

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*James P. Lewis* 3/1/94  
 DIRECTOR OF PUBLIC WORKS - DATE

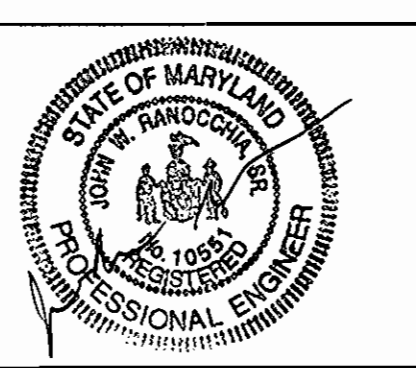
*Robert W. Dorman* 3/3/94  
 CHIEF - BUREAU OF UTILITIES - DATE

*Paul H. Dorman* 3/1/94  
 CHIEF - BUREAU OF ENGINEERING - DATE

*John Dorman* 3/4/94  
 CHIEF - LAND DEVELOPMENT DIVISION - DATE

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 Daft · McCune · Walker, Inc.

A Team of Land Planners, 200 East Pennsylvania Avenue  
 Landscape Architects, Towson, Maryland 21286  
 Engineers, Surveyors & Environmental Professionals 410 296 3333  
 Fax 296 4705



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REVISION	NO.
DATE	4-19-94

**WATER & SEWER PROFILES**

600 SCALE MAP NO.	29
BLOCK NO.	15.21

**COLUMBIA**  
 VILLAGE OF HARPER'S CHOICE  
 SECTION 5 AREA 9 PHASE 1  
 LOTS 1 THRU 10 & 24 THRU 30  
 5th ELECTION DISTRICT

CONTRACT NO. 34-3219-D

SCALE AS SHOWN  
 SHEET 4 OF 5

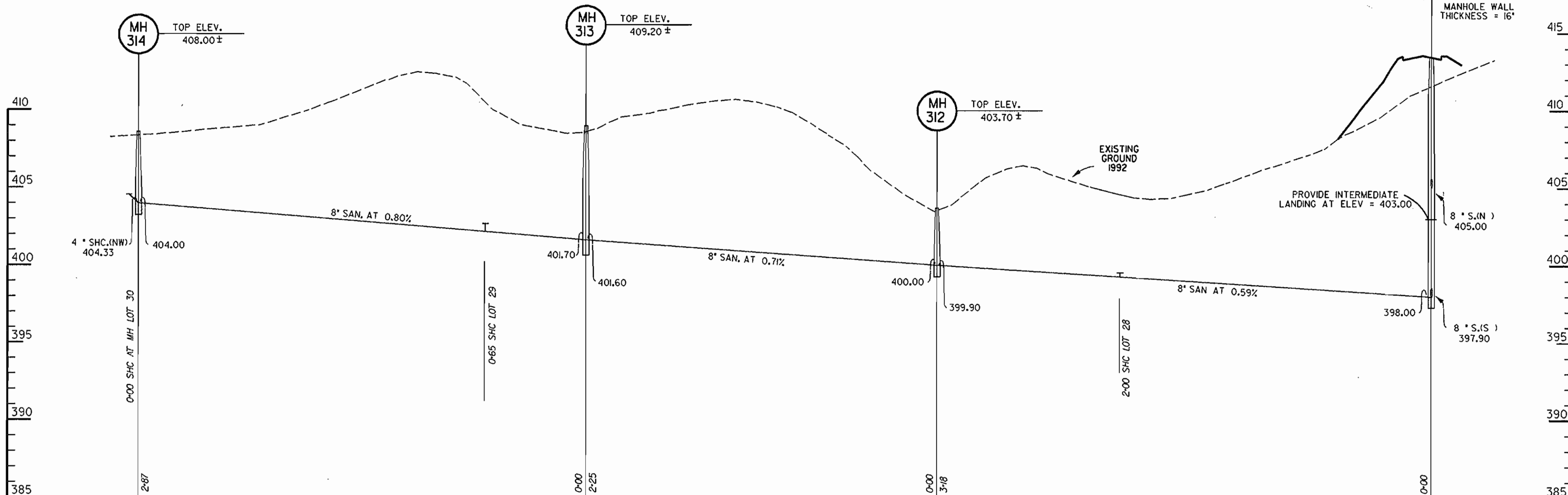
AS-BUILT

ws/5 V.H.C. 5/9

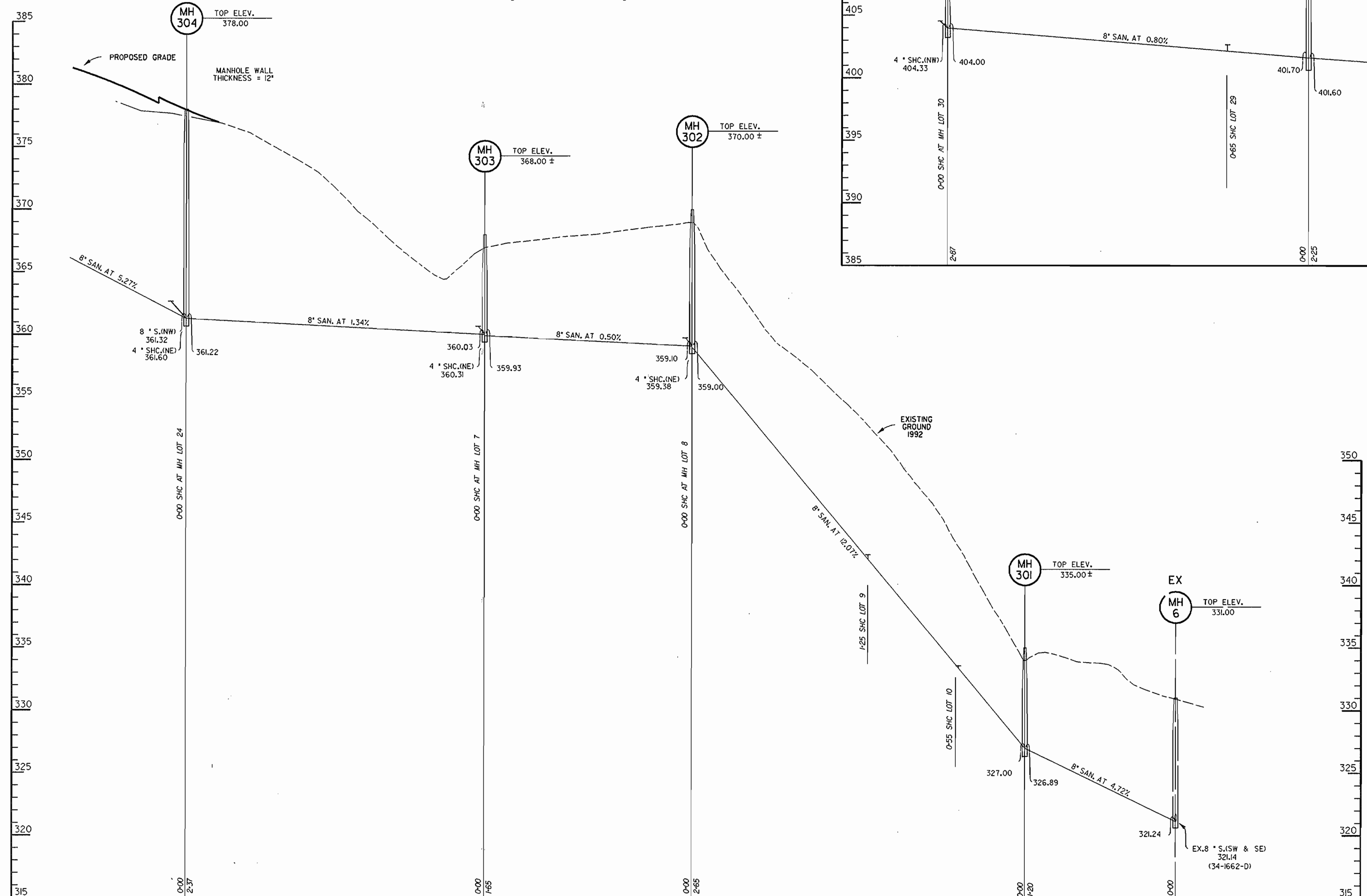
3219

SEWER OUTFALL, LOTS 27, 28, 29 & 30

TYPE "B" DROP MANHOLE TOP ELEV. 415.23



SEWER OUTFALL, LOTS 8, 9 & 32



SCALE

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

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James P. Brown* 3/1/94  
DIRECTOR OF PUBLIC WORKS - DATE  
*Robert J. Brown* 3-3-94  
CHIEF - BUREAU OF UTILITIES - DATE

*Richard J. Brown* 3/4/94  
CHIEF - BUREAU OF ENGINEERING - DATE  
*Michael J. Brown* 3/4/94  
CHIEF - LAND DEVELOPMENT DIVISION - DATE

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LOTS 1 THRU 10 & 24 THRU 30  
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SCALE AS SHOWN  
SHEET 5 OF 5

AS-BUILT  
AC-BUILT