

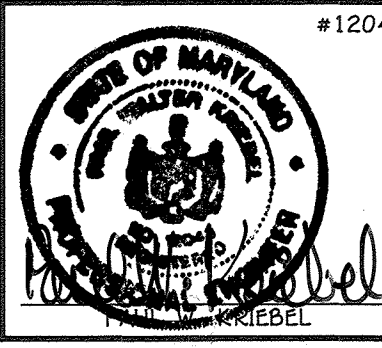
NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 2 OF 4 SUPERSEDES THE WATER & SEWER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON MARCH 25, 2014.

PLAN
SCALE: 1" = 50'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
CHIEF, BUREAU OF UTILITIES
DATE: 11/14/14

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 11/20/14

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 12043 EXPIRATION DATE IS 7/16/16.
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461 - 2995



DESIGNED BY:	B.C.R.	DATE:	NOVEMBER, 2014
DRAWN BY:	B.C.R.	BY:	NO.
CHECKED BY:	P.W.K.	REVISION:	REVISE CONTRACT TO "SEWER MAIN ONLY" INSTALLATION
DATE:	NOVEMBER, 2014	DATE:	11/20/14

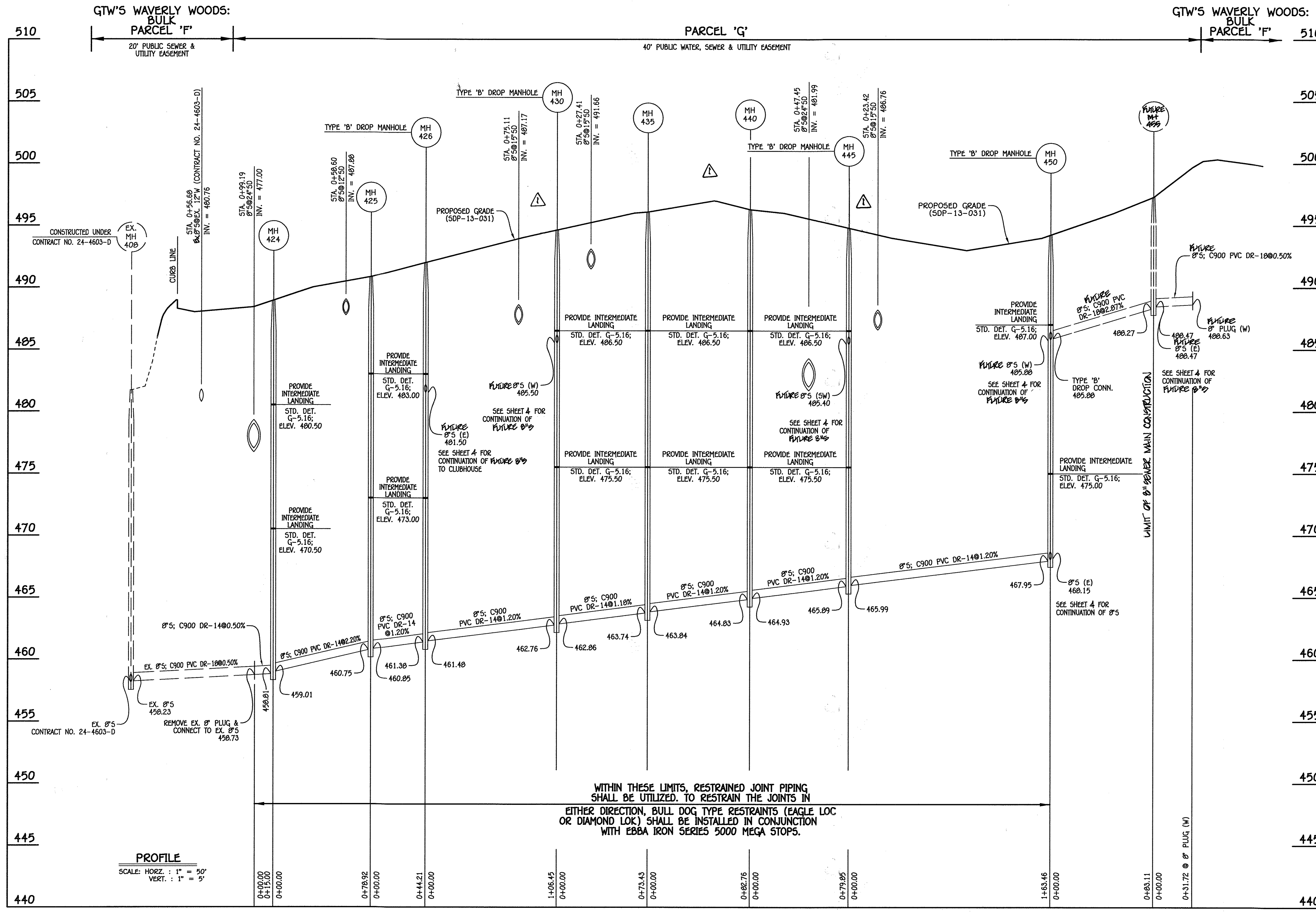
SEWER MAIN EXTENSIONS PLAN	
600' SCALE MAP NO. 16	BLOCK NO. 3 & 4
F.C.C. WORK ORDER NO. 30770-6004	
FILE NAME:	SEWER MAIN EXTENSION

WAVERLY MEWS
SECTION 14
PARCEL 'G'
SEWER MAIN EXTENSIONS
CONTRACT NO. 20-4790-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 4

CONTRACT NO. 20-4790-D
WAVERLY MEWS
SECTION 14
PARCEL 'G'
SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

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MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
EX. 8" PLUG	598712.44	1340162.65	---
424	598727.39	1340161.37	488.93
425	598806.02	1340154.63	490.84
426	598849.10	1340164.54	492.00
430	598952.84	1340188.41	494.63
435	599024.41	1340204.88	496.08
440	599107.17	1340203.91	496.28
445	599183.19	1340179.48	494.79
450	599338.82	1340129.48	494.24

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER MAIN NOTES:
 1. ALL DROP CONNECTIONS SHALL BE OUTSIDE DROP CONNECTIONS IN ACCORDANCE W/ STD. DET. 5-1.32. INSIDE DROP CONNECTIONS SHALL NOT BE ALLOWED.
 2. ALL PIPE BEDDING SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME II - WATER AND SEWER STANDARDS FOR AWWA C300 PVC SEWER PIPE INSTALLATION.

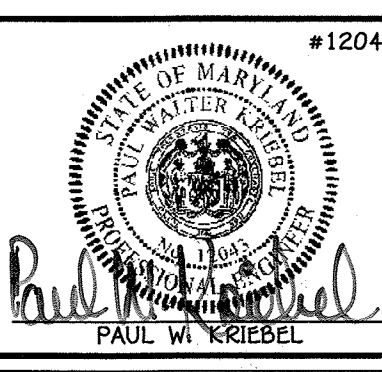
WITHIN THESE LIMITS, RESTRAINED JOINT PIPING SHALL BE UTILIZED. TO RESTRAIN THE JOINTS IN EITHER DIRECTION, BULL DOG TYPE RESTRAINTS (EAGLE LOC OR DIAMOND LOK) SHALL BE INSTALLED IN CONJUNCTION WITH EBBA IRON SERIES 5000 MEGA STOPS.

8" SEWER MAIN: JOHN STUART ROAD

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division

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FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PARK
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2895



DESIGNED BY: B.C.R.
 DRAWN BY: B.C.R.
 CHECKED BY: P.W.K.
 DATE: MARCH, 2014
 FILE NAME: SEWER MAIN EXTENSION

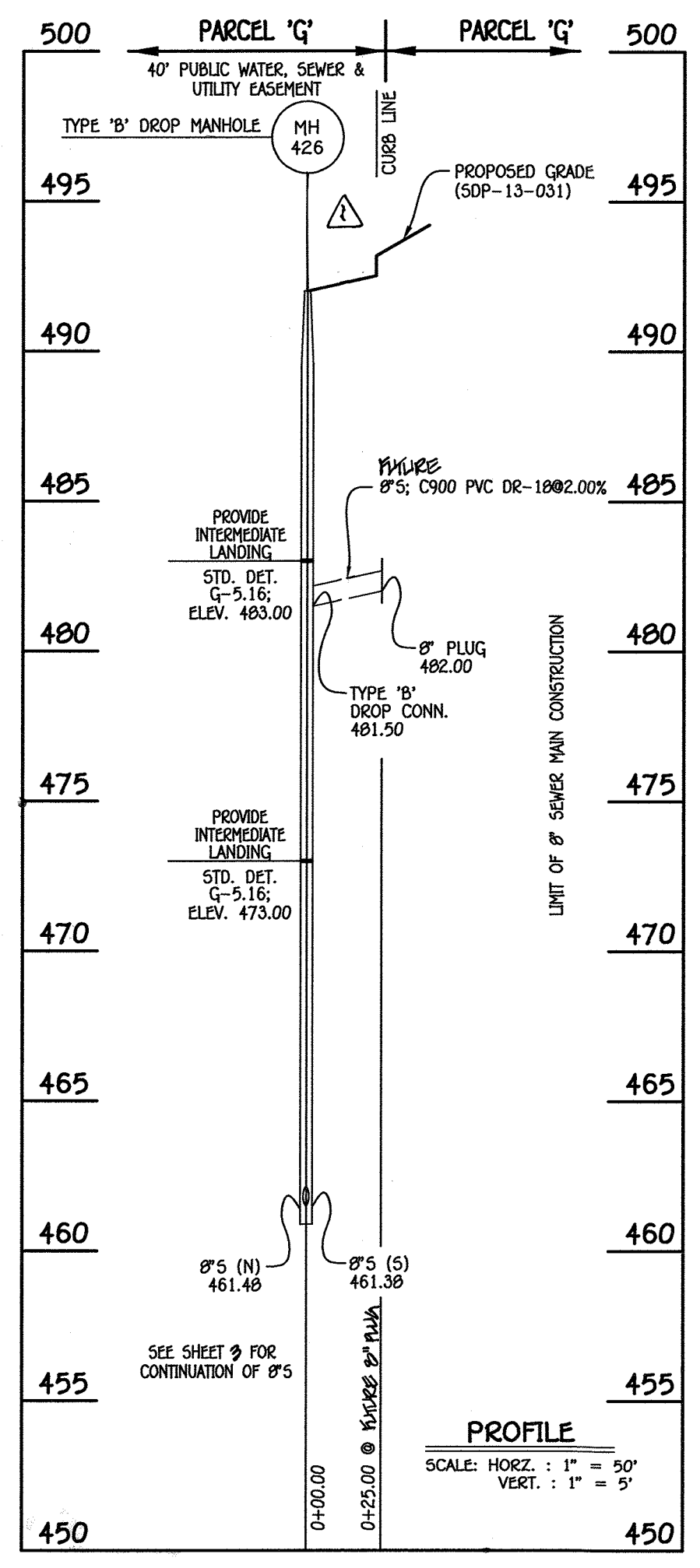
SEWER MAIN EXTENSIONS
 PROFILE & CHART
 600' SCALE MAP NO. 16 BLOCK NO. 3 & 4
 F.C.C. WORK ORDER NO. 30770-6004

WAVERLY MEWS
 SECTION 14
 PARCEL 'G'
 SEWER MAIN EXTENSIONS
 CONTRACT NO. 20-4790-D
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 3 OF 4

CONTRACT NO. 20-4790-D
 WAVERLY MEWS
 SECTION 14
 PARCEL 'G'
 SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

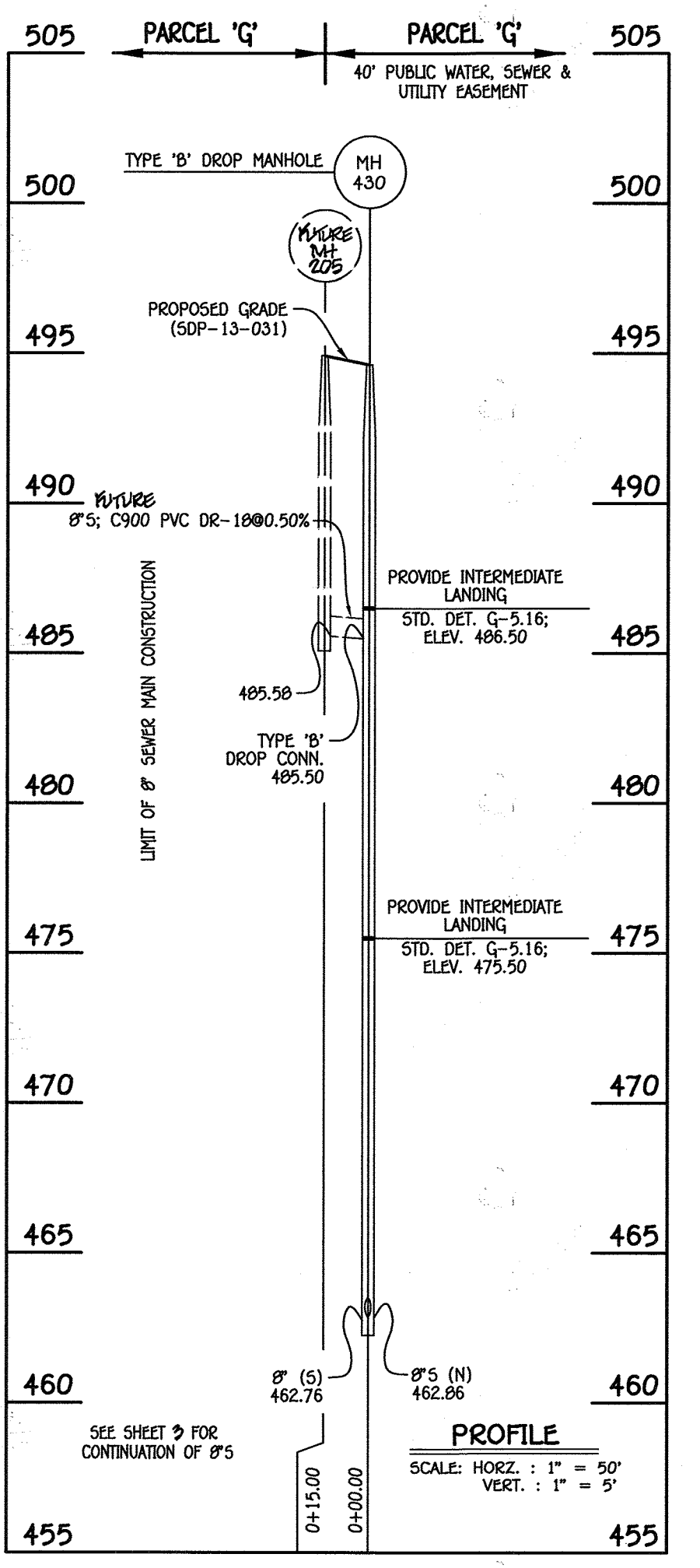
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FUTURE 8" SEWER MAIN: TO CLUBHOUSE

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
426	598849.10	1340164.54	492.00
8" PLUG	598843.50	1340188.90	---

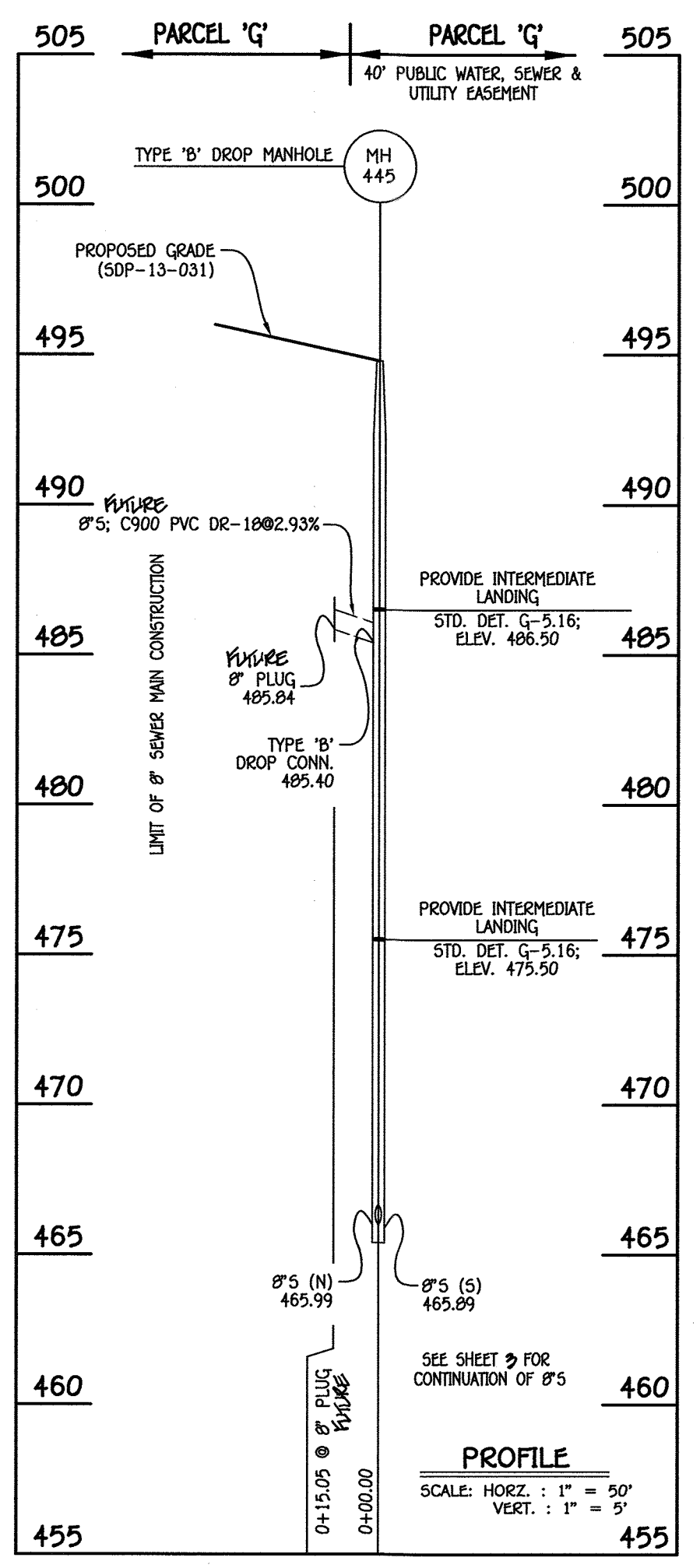
NOTE: SET MH RIM FLUSH W/PROPOSED GRADE.



FUTURE 8" SEWER MAIN: TO JOHN GRAVEL ROAD

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
430	599952.84	1340188.41	494.63

NOTE: SET MH RIM FLUSH W/PROPOSED GRADE.

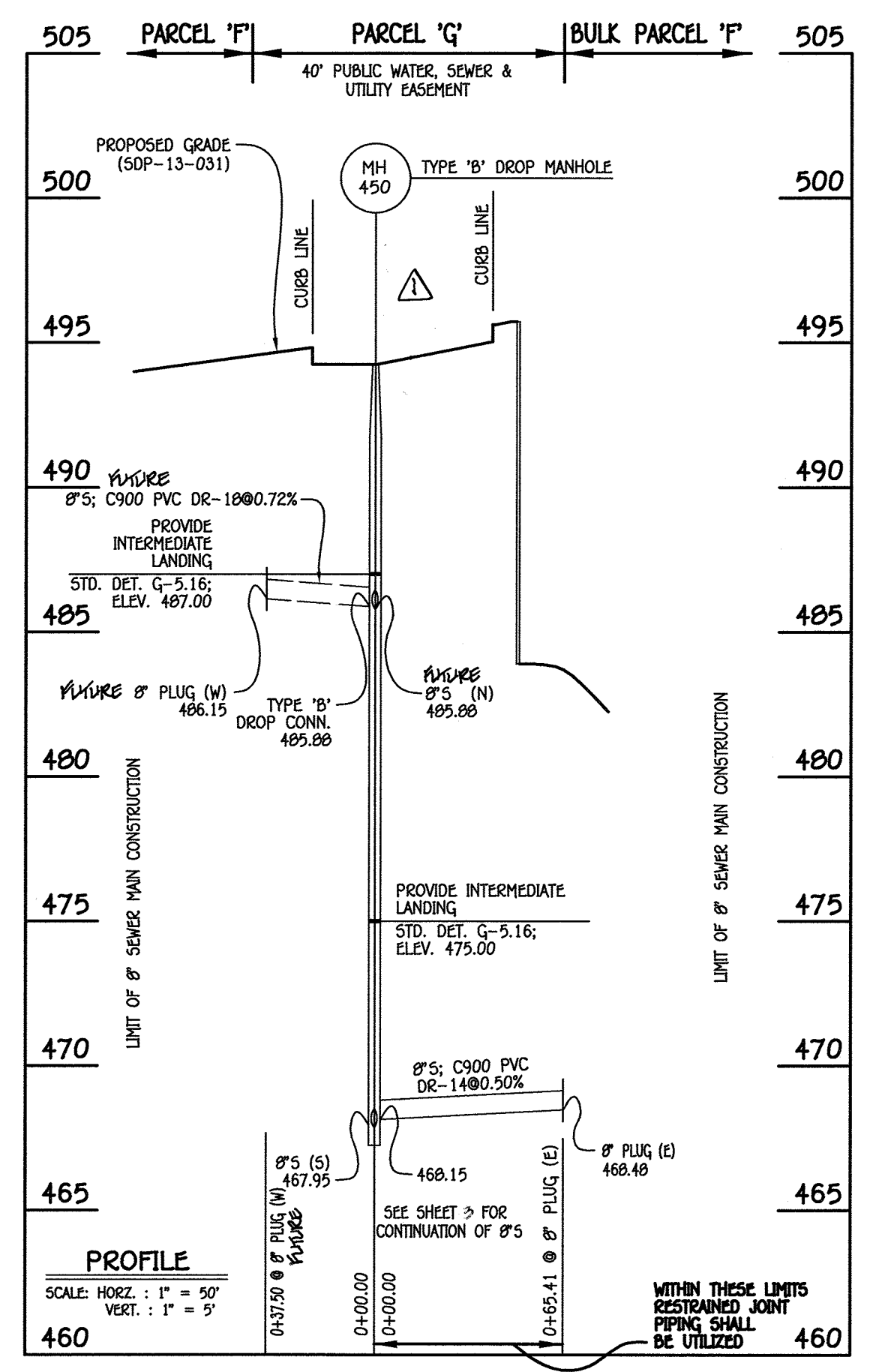


FUTURE 8" SEWER MAIN: TO JOHN GRAVEL ROAD

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
445	599183.19	1340179.48	494.79
8" PLUG	599179.84	1340164.80	---

NOTE: SET MH RIM FLUSH W/PROPOSED GRADE.

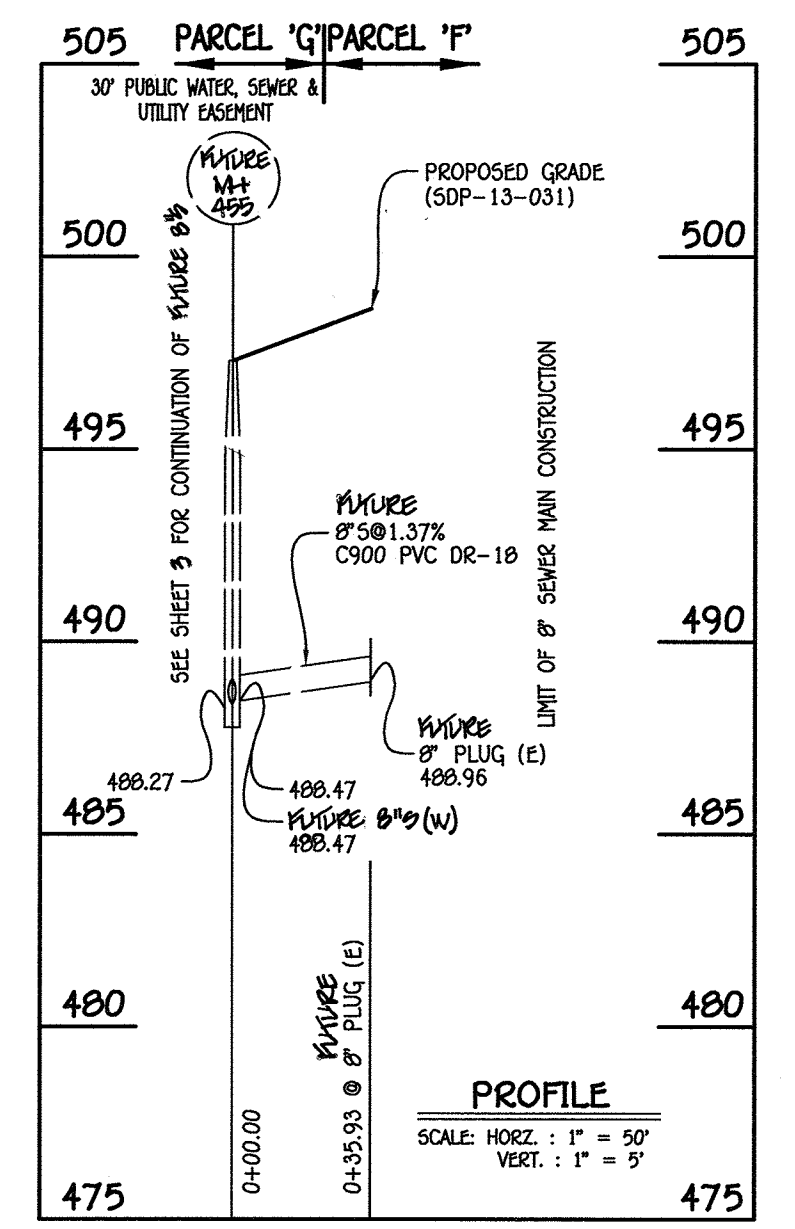
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FUTURE 8" SEWER MAIN: TO BULK PARCEL 'F'

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
450	599338.82	1340129.48	494.24
8" PLUG (W)	599330.27	1340092.97	---
8" PLUG (E)	599358.52	1340191.86	---

NOTE: SET MH RIM FLUSH W/PROPOSED GRADE.



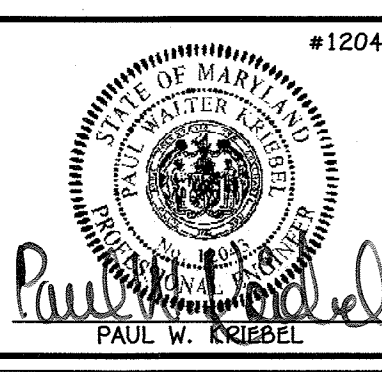
FUTURE 8" SEWER MAIN: TO BULK PARCEL 'F'

CONTRACT NO. 20-4790-D
 WAVERLY MEWS
 SECTION 14
 PARCEL 'G'
 SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division

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 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2895



DESIGNED BY: B.C.R.
 DRAWN BY: B.C.R.
 CHECKED BY: P.W.K.
 DATE: MARCH, 2014
 PROJECT: HOME CONTRACT TO "SEWER MAIN ONLY" INSTALLATION
 DATE: 11/17/14

SEWER MAIN EXTENSIONS
 PROFILES & CHARTS
 600' SCALE MAP NO. 16 BLOCK NO. 3 & 4
 F.C.C. WORK ORDER NO. 30770-6004
 FILE NAME: SEWER MAIN EXTENSION

WAVERLY MEWS
 SECTION 14
 PARCEL 'G'
 SEWER MAIN EXTENSIONS
 CONTRACT NO. 20-4790-D
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 4 OF 4

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