598,500

IN 594,500

NUMBER OF LOTS:

OLD FREDERICK ROAD

INTERSTATE 70

NO. OF WATER HOUSE CONNECTIONS: ___

NO. OF SEWER HOUSE CONNECTIONS:___

DRAINAGE AREA: PATAPSCO

TYPE OF BUILDING: RESIDENTIAL: SINGLE FAMILY DETACHED

TREATMENT PLANT: PATAPSCO WWTP: CITY OF BALTIMORE

VIA THE MOUNT HEBRON WWP5

13 (12 BUILDABLE) & 2 FUTURE

--14--

" I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION ARE DEEMED NECESSARY."

ENGINEER'S CERTIFICATION

" I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 30% OF THE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT

FISHER, COLLINS & CARTER, INC.

SHBROO

TILLER

SAINT

MOUNT HEBRON HIGH SCHOOL

COUNTY

CONTROL 5TA.

MILLBROOK RD.

MT HEBR

B.C.R. B.C.R. P.W.K. DECEMBER, 2009

KCI 6 AS-BUILT REVISIONS 8/10/10 KEL AS KENDE WORDING OF GEDINIENT CONTROL MEAGURE NOTE ITEM I" WHO HAS BEEN REVISED TO 11/2" WHO ITEM ATBIDE METER SETTING È ESTINATED TOTAL HAS BEEN ADDED! BIDIU GENERAL NOTE"! HAS BEEN ADOED RE THE INSTALLATION OF 11/2" WICE SHOW HITHE GENERAL NOTES HAVE BEEN REVISED TO INCLUDE 'G' & 'H' Shok REVISION

WATER AND SEWER MAINS TITLE SHEET

PLAN REFERENCE NUMBERS:

M. UNLEGG OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUND SACIFICAL

ANORES SHALL BE INSTALLED ON ALL VALUES AND METALLIC FITTINGS USED WITH RVC WATER MAINS IN ACCORDANCE WITH VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. MAGNESIUM ANORES SHALL BE INSTALLED ON ALL VALUES AND DUCTILE

IRAN FITTINGS INCLUDING RESTRAINTS AND HARNESSES.
ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS
STEEL FITTINGS AND SADDLES USED WITH RIC MAINS.
ALL "TEES" USED WITH RIC MAINS SHALL BE DICTILE IRAN.

ALL DWELLING UNITS SHALL HAVE A 11/2" WATER HOUSE CONNECTION WITH A 1" OUTSIDE METER SETTING, STO. DET. W-3,26,

5P-06-15 P-06-005 F-09-019

600° SCALE MAP NO. _____17 BLOCK NO. ____10 F.C.C. WORK ORDER NO. 05024-3001

LOCATION MAP

GENERAL NOTES

N 598,500

WOODS WAY

MARYLAND

COUNTY CONTROL STA

NO. 17F7

ROUTE 99

PROJECT: mt. Hebron

STAYMAN

INTERSTATE 70

VICINITY MAP

CONTRACT NO. 14-4467-D

SECTION 24

LOTS 1 THRU 12, OPEN SPACE LOT 13 &

NON-BUILDABLE BULK PARCEL 'A'

SECOND ELECTION DISTRICT

SECTION 24

BULK PARCEL 'A'

LOTS 1 THRU 12, OPEN SPACE

CONT. NO. 744-5

LOT 13 & NON-BUILDABLE

WATER AND SEWER MAINS

CONTRACT NO. 14-4467-D

APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON OR ABOUT MAY, 2005 BY FISHER, COLLINS & CARTER, INC. c. THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/91' AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 17EA & NO. 17F7.

ALL VERTICAL CONTROLS ARE BASED ON NAVO '83. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS. . ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

. Clear all utilities by a minimum of 12 inches. Clear all poles by 5'-0" minimum or tunnel as required unless otherwise noted. 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 BRACING OF ADDITIONAL POLES. ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF

FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL

HAVE A COPY OF VOLUME IV ON THE JOB SITE. where test pits have been made on existing utilities, they are noted by the symbol. $oldsymbol{\circ}$ at the locations of the TEST PITS. 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 THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE

. . . 1-000-252-1133 BGE (CONSTRUCTION SERVICES) 410-050-4620 BGE (EMERGENCY) 410-605-1400 BUREAU OF UTILITIES 410-313-4900 COLONIAL PIPELINE CO 410-795-1390 MISS UTILITY 1-200-257-7777

VERIZON 1-800-743-0033/410-224-9210 TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR. L. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL

STATE HIGHWAY ADMINISTRATION 410-531-5533

SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 10.114(a) OF THE HOWARD

PART B: WATER MAIN GENERAL NOTES

a. All water mains shall be awwa c900 pvc pipe. b. Tops of all water mains shall have a minimum of 3'-6" of cover unless otherwise noted.

C. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES. d. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE

PROVIDED FOR ON THE DRAWINGS. e. 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 THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.

1. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM. 2. FOR PLC WAITER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE ANNUA STANDARD COOD FOR PUC PRESSURE PIPE SHALL BE SUBLIFIED WITH THE PIPE MATERIAL CERTIFICATIONS OR

1 SHOP DRAWNUG TRIOR TO APPROVAL OF THE MATERIAL FOR USE. THE TEST RECORDS SHALL BE FOR THE PIPE TO BE INSTALLED UNDER THIS CONTRACT. ALL RIC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLIED TO THE TEST RECORDS RECEIVED.

PART C: SEWER MAIN GENERAL NOTES

a. All sewer mains shall be d.i.p. or p.v.c. unless otherwise noted. b. All manholes shall be 4'-0" inside diameter unless otherwise noted.

c. FORCE MAINS SHALL BE D.I.P. ONLY.

d. Manholes shown with 12" and 16" walls are for brick manholes only. e. Manholes designated w.t. in plan and profile shall have watertight frame and cover, standard detail G5.52. Where watertight manhole frames and covers are used, set top of frame 1'-6" above finished grade unless

OTHERWISE NOTED ON THE DRAWINGS.

f. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

BENCHMARK INFORMATION B.M.#1 - HOWARD COUNTY CONTROL STATION #17EA (NAD '83) (LOCATED IN MT. HEBRON HIGH SCHOOL PARKING LOT, MAIN DRIVE)
N 594,357,618
E 1,357,519.371 ELEVATION = 478.6981 (NGVD'88)

B.M.#2 - HOWARD COUNTY CONTROL STATION #17F7 (NAD '83)
(NEAR THE INTERSECTION OF MARYLAND RT. 99 & CHAPEL AVE., ON THE NORTH SIDE OF MD. RT. 99) N 595,029.636 £ 1,363,000.360 £LEVATION = 469.29 (NGVD'00)

> DEVELOPER LM STREET DEVELOPMENT 5074 DORSEY HALL DRIVE SUITE 205 ELLICOTT CITY, MARYLAND 21042

410-720-3021

CONTRACT NO. 14-4467-D MT. HEBROM SECTION 24 LOTS 1 THRU 12, OPEN SPACE LOT 13 & NON-BUILDABLE BULK PARCEL 'A' HOWARD COUNTY, MARYLAND

MT. HEBRON

LOTS 1 THRU 12. OPEN SPACE LOT 13 & NON-BUILDABLE BULK PARCEL 'A' CONTRACT NO. 14-4467-D SECOND ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SHEET 1 of 3

SCALE

A5

SHOWN

DEVELOPER'S CERTIFICATION

WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT, I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS

12-3-09

prepared in accordance with the requirements of the Howard soil CONSERVATION DISTRICT."

HOWARD COUNTY DESIGN MANUAL - VOLUME IV: STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND AS SHOWN ON THESE PLANS, AND ON F-09-019.

12-3-09

GP-09-061

CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

DEPARTMENT OF PLANNING AND ZONING

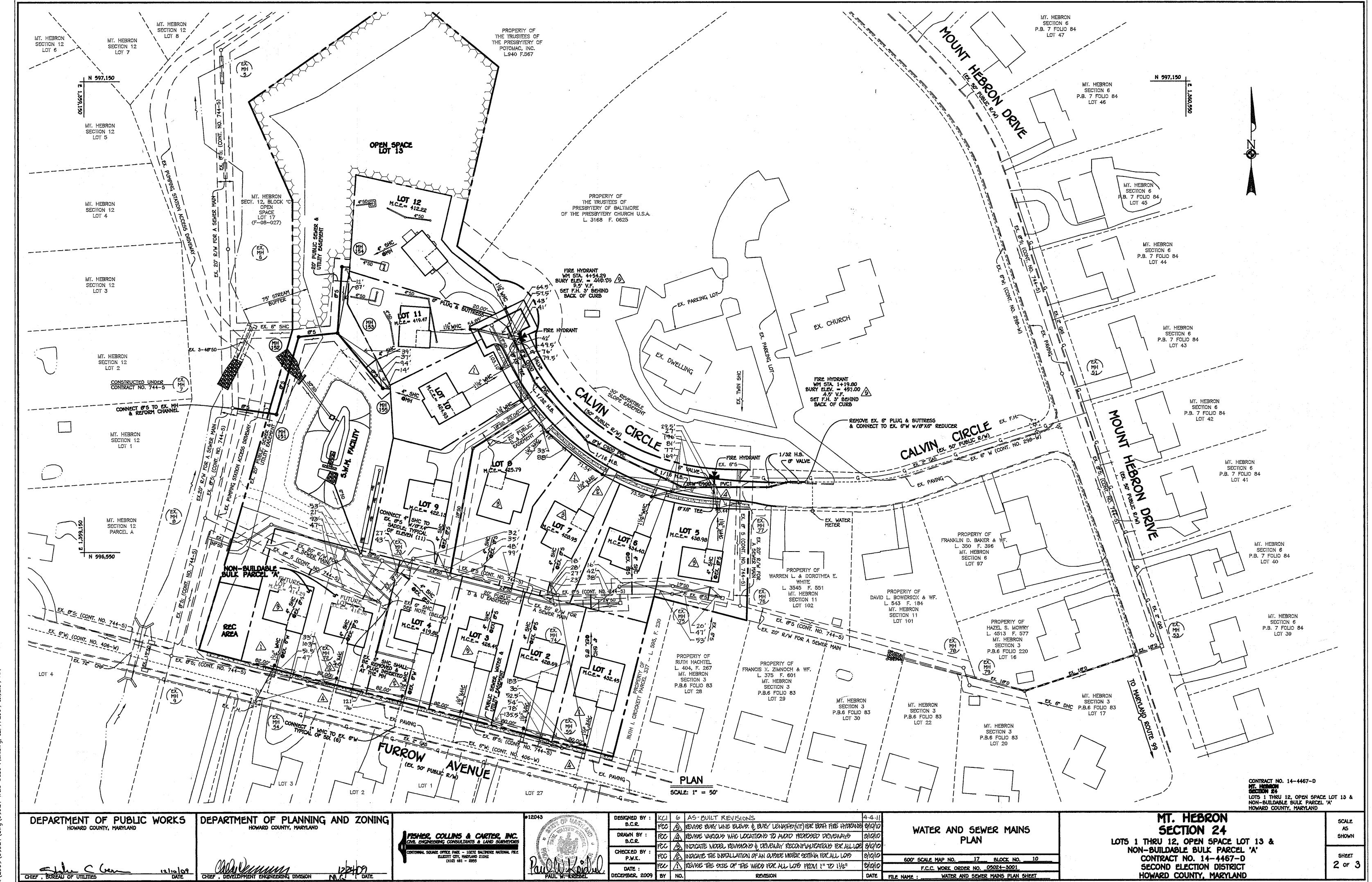
HOWARD COUNTY, MARYLAND

DATE FILE NAME :

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

WATER AND SEWER MAINS TITLE SHEET



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