	QUANTITIES									
ITEMS	ESTIMATED	AS-BUILT								
TIEWIS	QUANTITIES	QUANTITIES	TYPE	MANUF	FACTURER/SUPPLIER					
12"x 8" T	2 EA.									
8"x 6" T	3 EA.		-							
12" WATER	675 LF		PVC	·						
8" WATER	243 LF		PVC							
6" WATER	65 LF		DIP							
FIRE HYDRANT	3 EA.									
12" 1/ ₃₂ H. BEND	2 EA.		PVC							
12" 1/6 V. BEND	2 EA.		PVC							
12" 1/8 H. BEND	1 EA.		PVC							
8" 1/16 H. BEND	1 EA.		PVC							
12" VALVE	3 EA.									
8" VALVE	4 EA.	·								
6" VALVE	3 EA.									
8" SEWER	935 LF		PVC							
6" SEWER	44 LF		PVC							
4' MH	7 EA.	·								
8" CAP & BUTTRESS	2 EA.		PVC							
12" CAP & BUTTRESS	1 EA.		PVC							
NAME OF L	NAME OF UTILITY CONTRACTOR: SURVEY AND DRAFTING DIVISION AS-BUILT DATE:									
SURVEY AN										
Water House Connection As—built Location Table										
Lot Number	Lot Number Addr		Location Di	Location Dimension 2						
PARCEL	8521 CORF	RIDOR RD.								
	Sewer House Connection As-built Location Table									

Location Dimension

Note: No improvements shall be constructed or placed within the Public Water, Sewer and Utility Easements,

air-conditioning units, fireplace chimneys, decks, fencing, foundation plantings and trees shall not be placed

which will impede or hinder access to the public water and sewer mains. Improvements such as

SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND

Location Dimension 2

Lot Number

8521 CORRIDOR RD.

PARCEL

within the easement.

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

WATER MAIN GENERAL NOTES 1. EXCEPT AS INDICATED ON THE PLANS, ALL PUBLIC WATER MAINS SHALL BE POLYVINYCHLORIDE (PVC) PIPE MEETING THE REQUIREMENTS OF AWWA C900 DR18, PRESSURE CLASS 150 AND THE HOWARD COUNTY DESIGN MANUAL VOLUME IV-STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND ALL SUBSEQUENT AMENDMENTS THERETO.

2. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE

3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.

6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER

7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

8. ALL DUCTILE IRON PIPE (DIP) TO BE USED ON THE PUBLIC WATER SYSTEM SHALL BE CLASS 54. DUCTILE IRON FITTINGS SHALL MEET THE REQUIREMENTS OF THE HOWARD COUNTY DESIGN MANUAL VOLUME IV-5TANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.

9. FIRE HYDRANTS ARE D.I.P. ONLY.

- 10. VALVES ARE TO BE ATTACHED WITH IRON FITTINGS OR CONCRETE ANCHORS.
- 11. THE DIMENSION RATIO FOR THE PVC MAIN SHALL BE DR 18.
- 12, WATER MAIN CONSTRUCTION SHALL CONSIST OF PVC MAIN WITH EPOXY COATED DIP FITTINGS OR PVC MAIN WITH PVC FITTINGS.

SEWER MAIN GENERAL NOTES

Towson, Maryland, 21204

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. PRECAST MANHOLE HO. CO. STD. NO. G5.12 TO BE USED.

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

D. MANHOLES SHOWN WITH 12" AND 16" WALL ARE FOR BRICK MANHOLES ONLY.

E. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

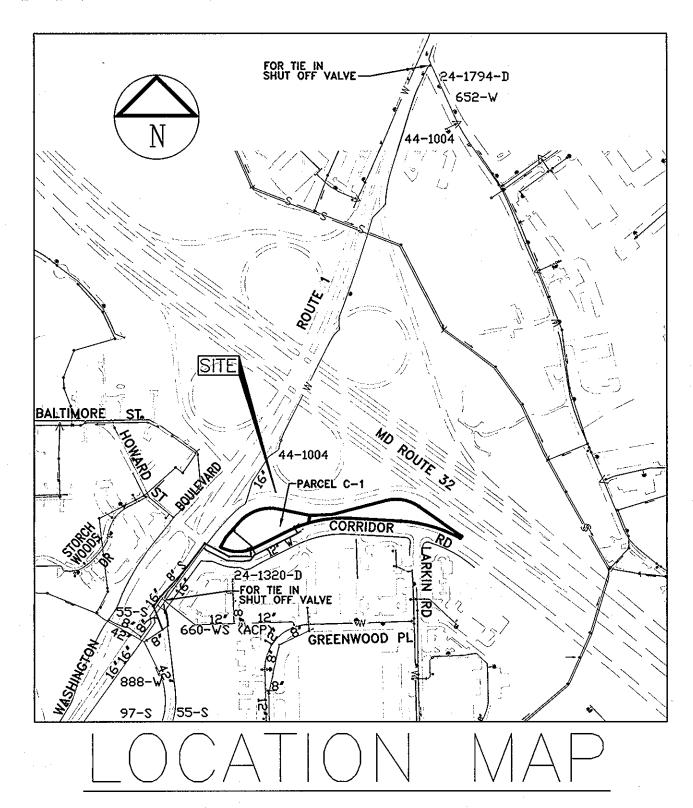
. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF SPECIFICATIONS AND WITH THIS PLAN, 509-10-84

Professional Certification. 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. 14230, Expiration Date: 12/09/10.

10/25/10 BY NO.

Contract No. 24-4668D



SCALE :1"=600'

TYPE OF BUILDING: FIRE SUBSTATION NO. OF LOTS / PARCELS:_ NO. OF WATER HOUSE CONNECTIONS: NO. OF SEWER HOUSE CONNECTIONS: DRAINAGE AREA: LITTLE PATUXENT TREATMENT PLANT: LITTLE PATUXENT WATER RECLAMATION PLANT SAVAGE, HOWARD COUNTY WATER ZONE :

INSIDE WATER METERS TO BE USED

GENERAL NOTES

- a. Approximate location 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.
- b. Topographic and Boundary surveys were performed on September 18, 2007 Shanaberger & Lane.
- 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. 47FC and No. 47FD.
- d. All vertical controls are based on NAVD '88. Vertical controls provided on the drawings are based on Howard County Geodetic Control Stations No. 47FC and No. 47FD.

e. All pipe elevations shown are invert elevations unless otherwise noted on the plans.

- f. 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 the bracing of additional poles, any cost incurred by the owner for the bracing of additional poles or damages shall be deducted from the monies owed by the contractor. The contractor
- g. For details not shown on the drawing, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Detials for Construction (Latest Edition). The contractor shall have a copy of
- h. Where test pits have been made on existing utilities, they are noted by the symbol 🖬 at the locations of the test pits. A note or notes containing the results of the test pit or pits in 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
- i. The contractor shall notify the following utility companies or agencies at least five working days before starting the work

BGE(Construction Services) BGE (Emergency) Bureau of Utilities Colonial Pipeline Co Miss Utility 410-531-5533 State Highway Administration 1-800-743-0033

- j. 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.
- k. The contractor shall remove trees, stumps, and roots along the line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main. I. 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 18.114(a) of the Howard County Code. m. Unless otherwise noted on the plans or in the specifications, seventeen (17) pound sacrificial anodes shall be installed on all valves and metallic fittings used with PVC water mains in accordance with
- Volume IV, Standard Specifications and Details for Construction. Magnesium anodes shall be installed on all valves and ductile iron fittings including restraints and harnesses. Zinc anodes shall be installed on all stainless steel fittings and saddles used with PVC mains. All "tees" used with PVC mains shall be ductile iron.

SITE ADDRESS: 8501 CORRIDOR ROAD

COVER SHEET

Corridor Industrial Park, Section 1, Parcel C-1 Savage Volunteer Fire Station

Contract No. 24-4668D 6th ELECTION DISTRICT—Howard County, Maryland PARCEL 1, ZONING M-2

CHIEF-BUREAU OF UTILITIES-DATE CHIEF - DEVELOPMENT ENGINEERING DIVISION NG DATE DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Seen 401 Washington Ave. Suite 303

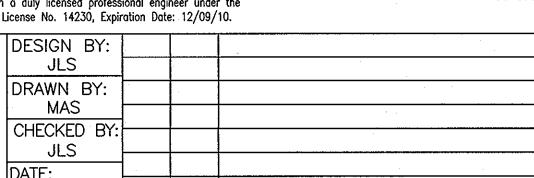
DEPARTMENT OF PLANNING & ZONING

HOWARD COUNTY, MARYLAND

p. 410.321.7600

f. 410.321.7601





DATE 600 SCALE MAP NO. 1943 BLOCK NO. B2

ADC MAP 20 D-7

Elevation

Elev. 186.433

TITLE

Cover Sheet

Sewer Profiles

Water Profiles

Sediment & Erosion Control Plan

Water and Sewer Plan

SCALE :1"=2,000

The courses and coordinates shown hereon are based on the

E 1362985.1299

E 1365059.7235 Elev. 201.251

SHEET INDEX

BENCHMARK DESCRIPTIONS

following Howard County monuments:

N 535277.4137

shall coordinate with the utility companies to schedule the bracing of the poles.

Volume IV on the job.

construction operations at his own expense. shown on these plans:

1-800-252-1133 410-637-8713 410-685-0123 410-313-4900 410-795-1390 1-800-257-7777

OWNER/DEVELOPER:

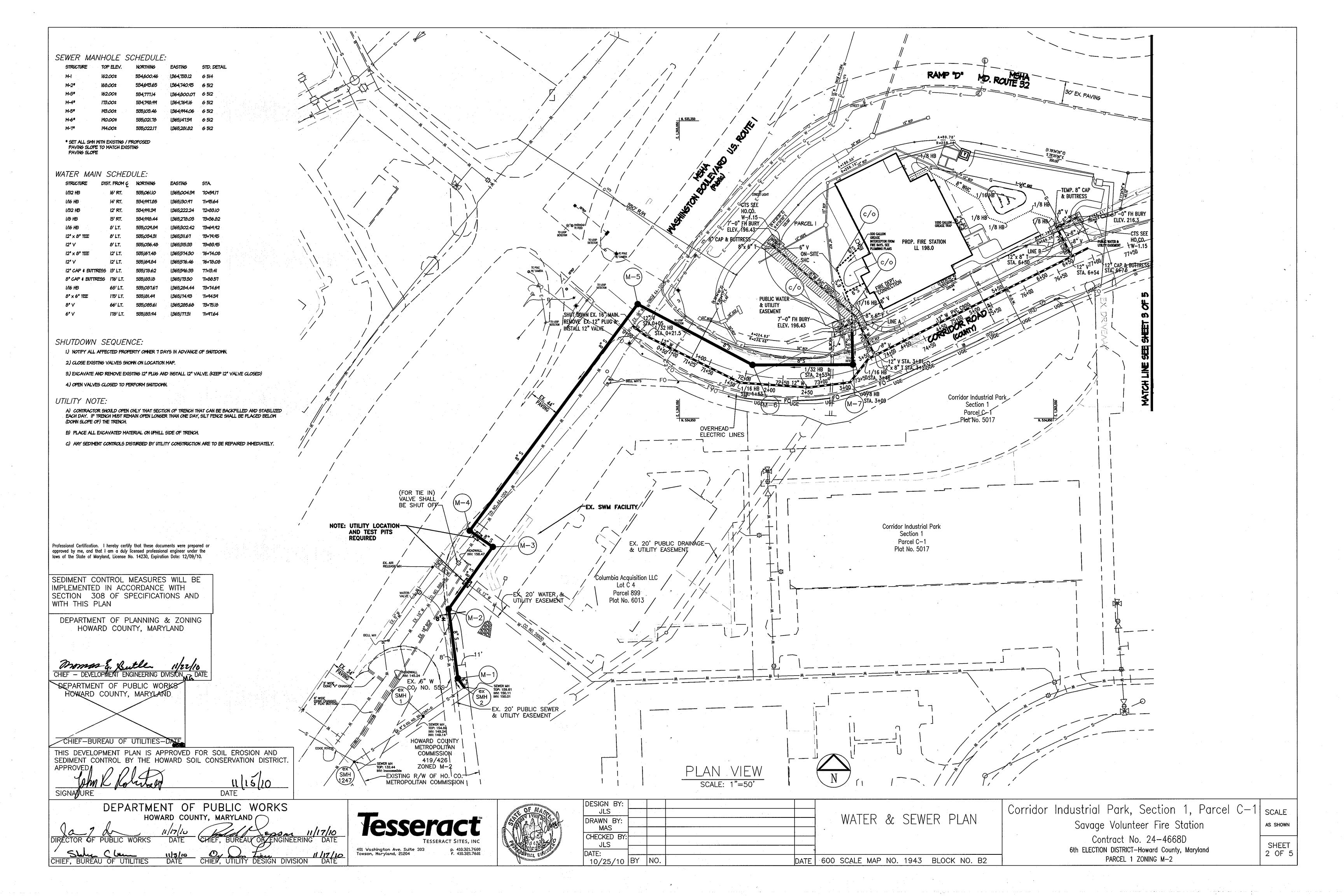
9250 BENDIX ROAD

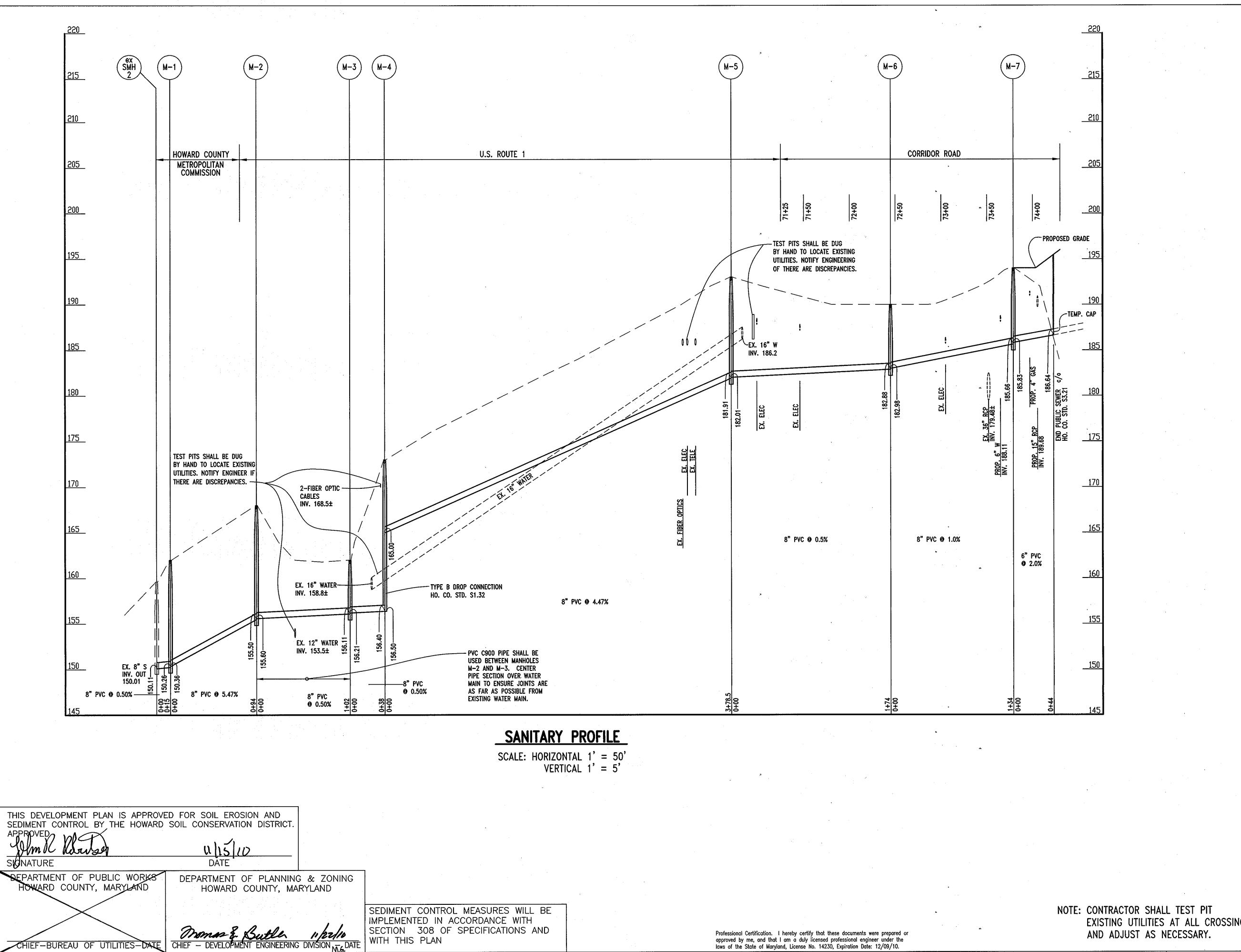
HOWARD COUNTY, MARYLAND

COLUMBIA, MARYLAND 21045

CONTACT: DAVID LOUDERMILK 410-313-6139

SHEET 1 OF 5





EXISTING UTILITIES AT ALL CROSSINGS

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

p. 410.321.7600 f. 410.321.7601 401 Washington Ave. Sulte 303 Towson, Maryland, 21204



L	DESIGN BA:							•	1	A / A T		Ó.		.*
	JLS								V	MAI	ER .	\propto		
[DRAWN_BY:				•				FWF		$DD \cap$	FILES	•	
_	MAS				· · · · · · · · · · · · · · · · · · ·			3	L	_[\	FIVO)	
- [9	CHECKED BY:		 		•									
-	JLS							•			·			
	DATE: 10/25/10	BY	NO.	· · · · · · · · · · · · · · · · · · ·		DATE	600	SCALE	MAP	NO.	1943	BLOCK	NO.	B2

Corridor Industrial Park, Section 1, Parcel C-1 1"=50' Savage Volunteer Fire Station

Contract No. 24-4668D 6th ELECTION DISTRICT—Howard County, Maryland PARCEL 1 ZONING M-2

SHEET 3 OF 5

