WATER	STAKE	OUT TABL	E
ITEM	STATION	NORTHING	EASTING
	6" WATER		
CONNECT TO Ex. 6" W	0+00	583,086.655	1,370,126.744
6"x4" TEE	1+32.17	583,136.661	1,370,249.085
6"x6" TEE	1+42.03	583,140.393	1,370,258.216
6"x6" TEE	2+35.73	583,175.845	1,370,344.951
6"x4" TEE	2+41.19	583,177.911	1,370,350.004
6" CAP	2+67.33	583,187.802	1,370,374.203
	4" WATER		
6"x4" TS & VALVE	10+00	583,070.585	1,370,087.302
1/4 HB	10+22.96	583,091.840	.1,370,078.614
1/8 HB	10+38.06	583,097.553	1,370,092.591
1/8 HB	10+43.18	583,095.570	1,370,097.314
4" TEE 10+80.43	-40+50:40-	583,098.313	1,370,104.023
1/8 HB 10+50.22	-40+53-22-	583,099.367	1,370,106.601
1/8 HB	10+55.20	583,101.194	1,370,107.368
4" CAP	11+12.29	583,122.795	1,370,160.216
4" TEE	11+99.80	583,155.904	1,370,241.219
	4" WATER		
6"x4" TEE	20+00	583,177.911	1,370,350.004
PC	20+07.37	583,184.729	1,370,347.217
PT	20+14.28	583,190.821	1,370,343.972
PC	20+17.32	583,193.494	1,370,342.531
PT	20+20.96	583,196.785	1,370,340.976
1/4 HB	20+26.49	583,201.908	1,370,338.882
4"x4" TEE	20+88.99	583,225.553	1,370,396.730
4"x2" REDUCER	21+05.40	583,231.761	1,370,411.920
4" W	ATER (CROSS	ING)	
6"x4" TEE	30+00	583,136.661	1,370,249.085
4"x4" TEE	30+20.66	583,155.904	1,370,241.219
4" CAP	30+22.94	583,158.010	1,370,240.359

TRAVERSE DATA								
D&D TRAV. PT.	NORTHING	EASTING	ELEV.					
DEWBERRY #100 MAG NAIL	N 583,235.6610	E 1,370,498.5750	ELEV. 124.88					
DEWBERRY #101 MAG NAIL	N 583,070.2217	E 1,370,093.8206	ELEV. 125.75					
DEWBERRY #102 MAG NAIL	N 583,160.0940	E 1,370,313.6971	ELEV. 124.18					

SURVEY CONTROL

HOWARD CO. B.M. 25DM5 BRASS SCREW NEAR ELLICOTT CITY R.R. STATION

HOWARD CO. B.M. 25DM2 BRASS DISC FLUSH WITH SIDEWALK MAIN ST. IN FRONT OF FISHER BAKERY NAVD29 EL. 134.636

WATER MAIN NOTES

- 1. Except as indicated on the Plans and noted below, all public water mains shall be polyvinyl chloride (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 water mains shall have a minimum of 3'-6" of cover unless otherwise noted.
- 3. Distances shown for the water main are along the centerline of the pipe. 4. Valves adjacent to tees shall be strapped to tees.
- 5. All fittings shall be restrained joints, unless otherwise provided for on the drawing
- 6. Fire Hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be installed in accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and Section 1005 of the Howard County Standard Specifications.
- 7. The Contractor shall not operate any water main valves on the existing water system.
- 8. Fire Hydrants to be removed shall be returned to: Howard County Bureau of Utilities

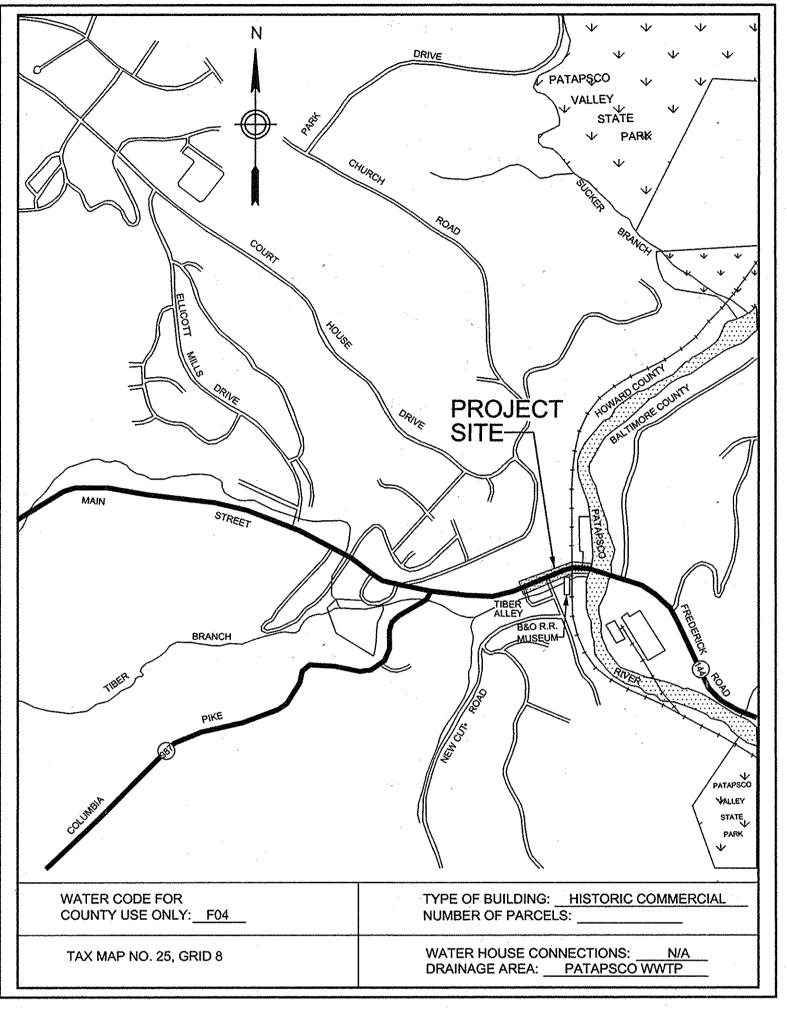
8250 Old Montgomery Road

Columbia, Md. 21045 410-331-490

- 9. The Contractor shall notify the Howard County Bureau of Utilities at least fifteen (15) days prior to any water main shut downs.
- 10. All Ductile Iron Pipes to be used on the public water system shall be Thickness Class not less than Class 54. Ductile Iron fittings shall meet the requirements of the Howard County Design Manual Volume IV-Standard Specifications and Details for Construction and shall be exterior epoxy coated in accordance with AWWA C116.
- 11. All Water House Connections shall be copper, meeting the requirements of and constructed in accordance with the Howard County Design Manual Volume IV-Standard Specifications and Details for Construction.
- 12. All Fire Hydrant Leads including the tee shall be Ductile Iron Class 54, meeting the requirements of and constructed in accordance with the Howard County Design Manual Volume IV-Standard Specifications and Details for Construction.
- 13. All water mains constructed in fill areas shall be restrained Ductile Iron Pipe Class 54, meeting the requirements of and constructed in accordance with the Howard County Design Manual Volume IV-Standard Specifications and Details for Construction.
- 14. All water mains within casing pipes shall be restrained Ductile Iron Pipe Class 54, meeting the requirements of and constructed in accordance with the Howard County Design Manual Volume IV-Standard Specifications and Details for Construction.
- 15. The following note is added to Howard County Standard Detail W2.22, Buttresses and Anchorages for Vertical Bends: "When anchoring PVC pipe, the strapping in contact with the pipe surface shall be 1-inch wide by 1/4-inch thick steel. The remaining portion of the strap shall be reinforcing bar sized in accordance with the pertinent chart shown on the detail.

HOWARD COUNTY

DEPARTMENT OF PUBLIC WORKS ELLICOTT CITY, MARYLAND 21043



VICINITY MAP SCALE: 1" = 600'

MAIN STREET, ELLICOTT CITY WATER MAIN EXTENSION AND DRAINAGE IMPROVEMENTS CAPITAL PROJECTS W-8258 AND D-1118 CONTRACT NO. 44-4139

	INDEX OF SHEETS
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE
2A	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
3	PROFILES AND DETAILS
4	TEMPORARY WATER SYSTEM
5	TRAFFIC CONTROL PLAN
6	PLAN AND PROFILE OF DRAINAGE IMPROVEMENT (RMA)
7	TRENCH DRAIN DETAIL SHEET (RMA)
-8	CATHODIC PROTECTION LAYOUT DELETED FROM CONTRACT
^	

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 Engineer by the Contractor at the Contractor's expense.

GENERAL NOTES

- 2. All existing utilites shall be test pitted/located as necessary and in advance of the proposed construction, in order to properly make all required utility crossings and/or connections. Any discreepancies or utility conflicts shall be
- immediately reported to the Engineer. 3. All horizontal controls are based on Maryland State Coordinates, NAD 83.
- 4. All vertical controls are based on NAVD 29.
- 5. All pipe elevations shown are invert elevations unless otherwise noted on the
- 6. Clear all utilities by a minimum of 12". Clear all poles by 5'-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 the 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.
- 7. For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifcations and Details for Construction (Latest Edition). The Contractor shall have a copy of Volume IV on the job.
- 8. Where test pits have been made on existing utilities, they are noted by the symbol Tat 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 (2) weeks in advance of construction operations at his own expense.
- 9. Contractor shall notify the following utility companies or agencies at least five (5) working days before starting work shown on these plans

AT&T	1-800-252-1133
BGE - Contractor Services	
BGE - Underground Damage Control	410-787-9068
Bureau of Utilities (DPW)	
Verizon	1-800-743-0033 / 410-224-9210
Colonial Pipeline Co	410-795-1390
Miss Utility	1-800-257-7777

Trees and shrubs located within the construction strip are not to be removed or damaged by the Contractor. 11. Contractor shall remove trees, stumps and roots along the line of excavation.

10. Trees and shrubs are to be protected from damage to the maximum extent

- Payment for such removal shall be included in the unit price bid for construction of the main.
- 12. The Contractor shall notify the Bureau of Highways, Howard County at-(410) 313-7450 at least five (5) working days before any open cut of any County road or trenchless installation operation in county roads for laying water/sewer mains or house connections. The approval of thesen drawings will constitute compliance with DPW requirements per Section 18.114(a) of the Howard County Code.
- 13. The Contractor is responsible for contacting the various businesses and coordinating his work activities so as not to negatively impact connected customers. The installation of water main shall cause a minimum of disturbance to the existing businesses and notification to the businesses of any "interruptions of service" shall be the responsibility of the Contractor. The County requires that the Contractor notify each business affected, by letter or with door tags, of the impending service interruption at least 48 hours in advance of the planned interruption. In the event of an unplanned interruption, the Contractor will be responsible for notifying the businesses by
- "door to door" canvassing. 14. The Contractor shall provide all necessary lines, grades and elevations, and cut sheets shall be prepared based on the lines and grades shown on the

RESTORATION SCHEDULE									
STATION TO STATION DISTANCE MATERIAL									
	WATER MAINS								
0+00 2+26.33 267.33 L.F. ASPHA									
10+00	11+99.80	199.80 L.F.	ASPHALT PAVING						
20+00	21+05.40	105.40 L.F.	ASPHALT PAVING						
30+00	30+22.94	22.94 L.F.	ASPHALT PAVING						
	TRENC	CH DRAIN							
0+00	1+40	140 L.F.	ASPHALT PAVING						

		QUANTITI	ES	<u>^</u>
ITEM	UNIT	ESTIMATE	AS-BUILT	SUPPLIER
6" AWWA C900 PVC WATER MAIN	L.F.	267	260	PW Eagle
4" AWWA C900 PVC WATER MAIN	L.F.	327	327	PW Eggle
6" VALVE	EA.	2	2	Kennedy Value
4" VALVE	EA.	4	6	Kennedy Volve
3" W.H.C.	L.F.	6	0	
1" W.H.C.	L.F.	40	124	Cerrotube
6" x 4" TEE	EA	2	2	U.S. Pipe
6" x 6' TEE	EA.	1	1	U.S. Pipe
4" x 4" TEE	EA.	2	3	U.S. Pipe
4" x 2" RED.	EA.	1	0	U.S. Pipe
6" x 6" FH TEE & 6" VALVE	EA.	1	1	Kennady Valve
TRENCH DRAIN	L.F.	140	140	Multi Drain Sys. In
NAME OF UTILITY CONTRACTOR:	PESSOA	CONSTRUCTION	N CO.	, ,
CHECK BOX				1.5 2.64~
AS-BUILT DATE :	AUGUST	26, 2005		

AS BUILT DRAWING AUG. 26, 2005

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

Dewberry Dewberry & Davis LLC

3120 LORD BALTIMORE DRIVE

BALTIMORE, MD 21244-2662

PHONE: 410.265.9500



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TITLE SHEET

BLOCK NO. 8

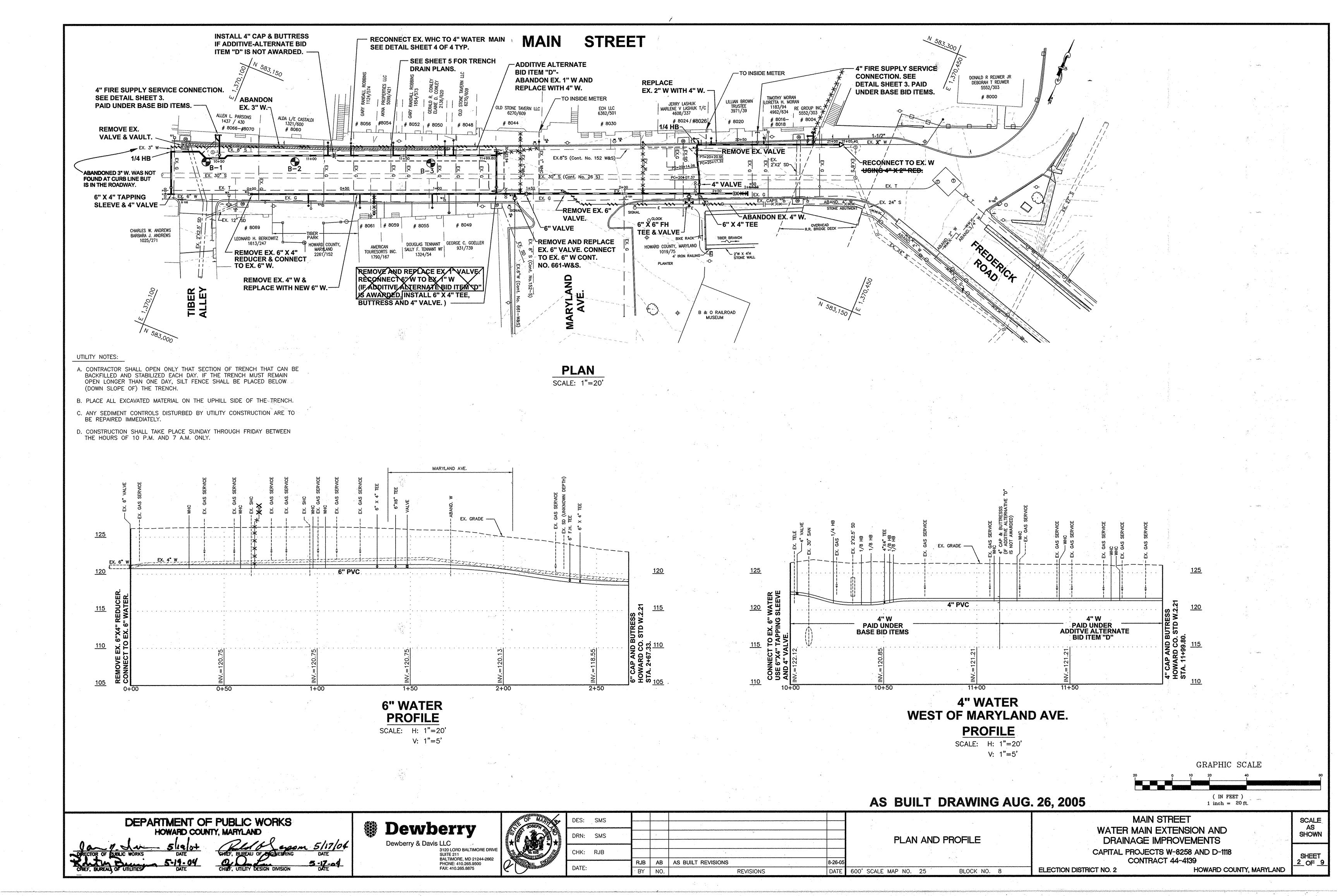
MAIN STREET WATER MAIN EXTENSION AND DRAINAGE IMPROVEMENTS CAPITAL PROJECTS W-8258 AND D-1118 **CONTRACT 44-4139**

HOWARD COUNTY, MARYLAND ELECTION DISTRICT NO. 2

SHEET 1 OF 9

SCALE

SHOWN



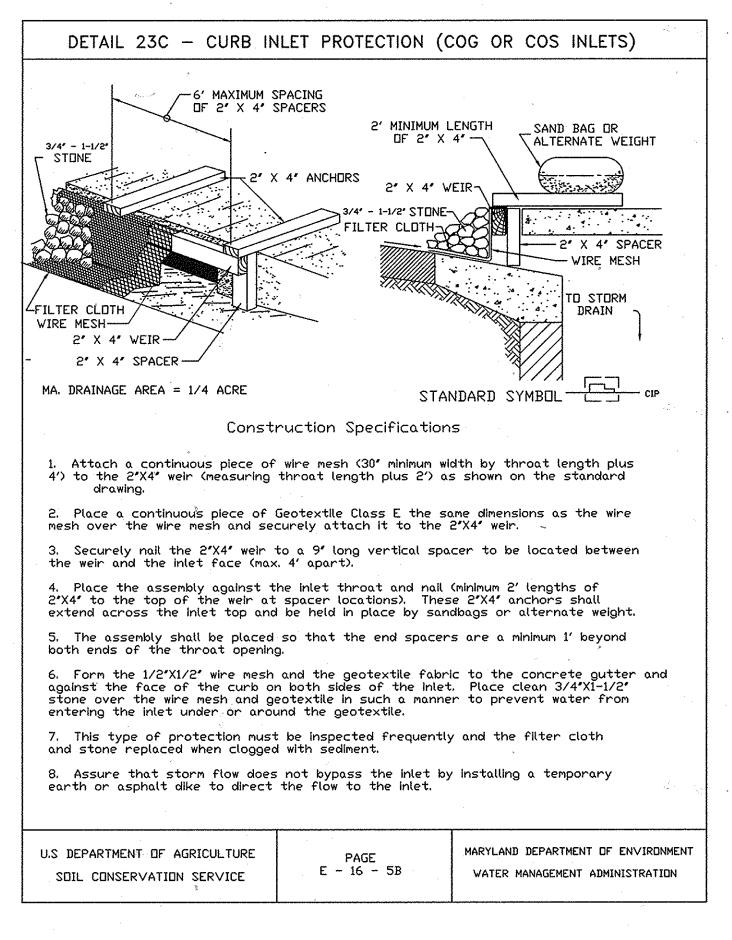
EROSION AND SEDIMENT CONTROL PLAN

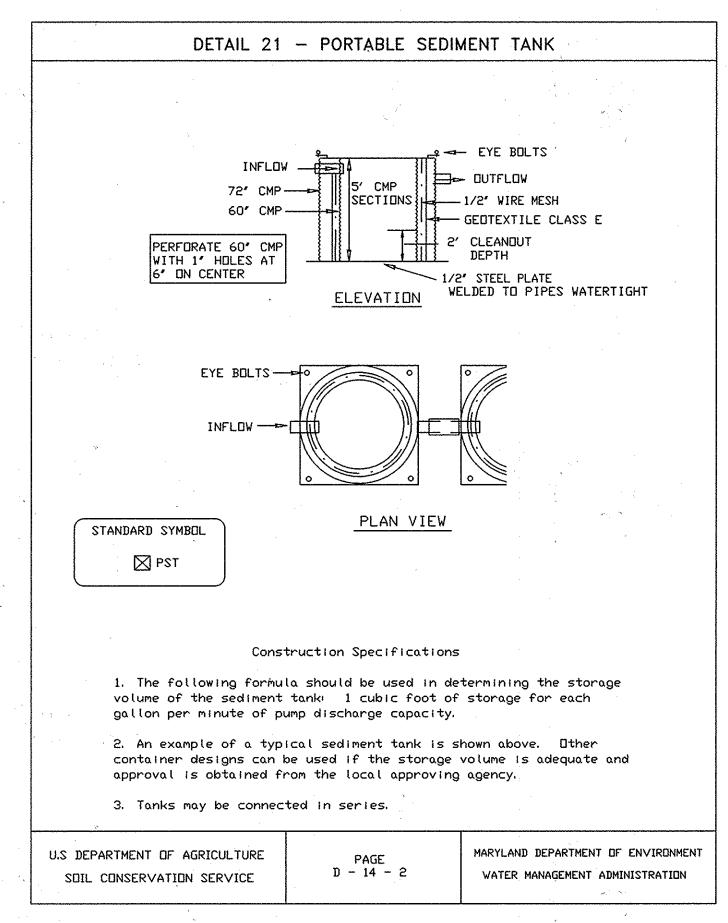
SCALE: 1"=40'

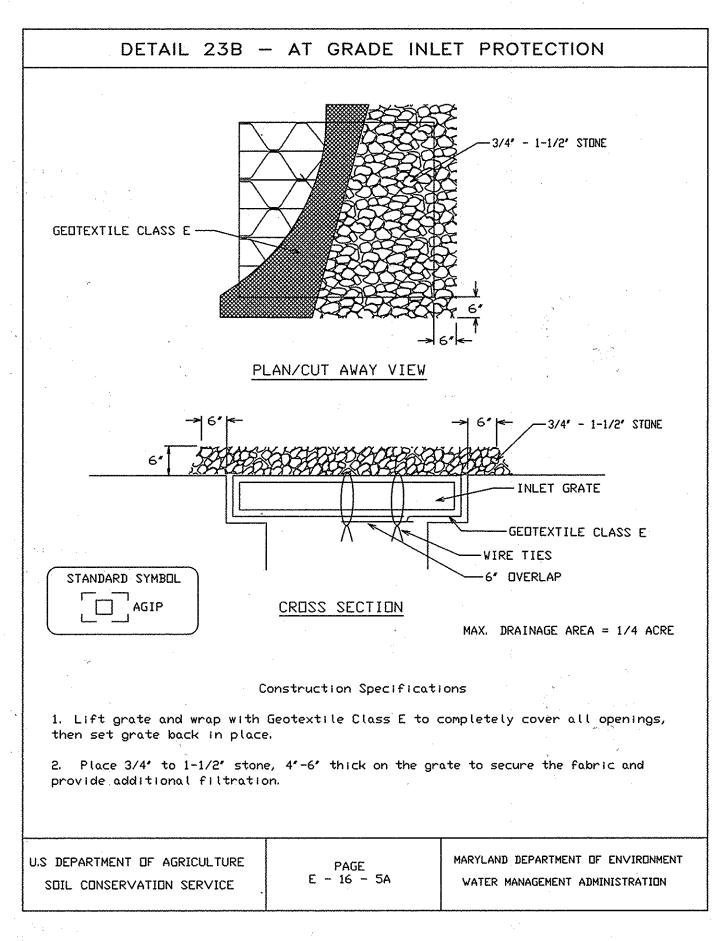
A NOTE: THE PROPOSED LIMITS OF DISTURBANCE EQUAL THE PROPOSED LIMITS OF SEDIMENT CONTROLS

UTILITY NOTES:

- A. CONTRACTOR SHALL OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY. IF THE TRENCH MUST REMAIN OPEN LONGER THAN ONE DAY, SILT FENCE SHALL BE PLACED BELOW (DOWN SLOPE OF) THE TRENCH.
- B. PLACE ALL EXCAVATED MATERIAL ON THE UPHILL SIDE OF THE TRENCH.
- C. ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.
- D. CONSTRUCTION SHALL TAKE PLACE SUNDAY THROUGH FRIDAY BETWEEN THE HOURS OF 10 P.M. AND 7 A.M. ONLY.







SEDIMENT CONTROL GENERAL NOTES

- 1. A minimum of 48 hours notice must be given to Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction 410-313-1855.
- 2. All vegetative and structural practices are to be installed according to the provisions of the plan and are to be in conformance with the most current Maryland Standards and Specifications for Soil Erosion and Sediment Control and revisions thereto.
- 3. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for permanent seeding (Sec. 51), sod (Sec. 54) temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of
- 4. All sediment control structures are to remain in place and are to ____ be maintained in operative condition untill permission for their removal has been obtained from the Howard County Sediment
- Control Inspector. 5. Perform the following sequence for each day of storm drain and water main construction operations:
- a. Excavate and install water main and appurtenances. Place backfill and
- b. Excavate and install trench drain along north side of Main Street.
- c. Repair road surfaces as required. 6. Site Analysis

Site is defined as areas involving any improvement.

Total Area of Site Area to be roofed or paved Area to be Vegetatively Stabilized

0.175 Acres 0.175 Acres 0.175 Acres (New Pavement 1.39 Acres) <u>0.000</u> Acres 475 Cu. Yds. 450 Cu. Yds.

- Offsite waste/borrow area location To be determined by contractor. 7. Any sediment control practices which is disturbed by grading activity for
- placement of utilities must be repaired on the same day of disturbance. 8. Additional sediment control must be provided, if deemed necessary by the
- Howard County Sediment Control Inspector. 9. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the
- inspection agency is made. 10. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each work day, whichever is shorter.

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL

Ronald G. Lepson

Area Distured

Total Cut

Total Fill

I 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 PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

4-28-04

R. JOSEPH BURNS, 111

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS

FOR SOIL EROSION AND SEDIMENT CONTROL.

SEDIMENI CONTROL BY JHE HOWARD SOIL CONSERVATION DISTRICT

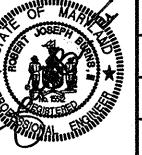
AS BUILT DRAWING AUG. 26, 2005

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

Dewberry **Dewberry & Davis LLC**

BALTIMORE, MD 21244-2662

PHONE: 410.265.9500



	DES: SMS	DC RJB	AB	ADD SEDIMENT CONTROL NOTE AS BUILT REVISIONS	5/8/04 8/26 /05	
inn.	DRN: SMS					-
Her.	CHK: RJB		·			
	DATE:	BY	NO.	REVISIONS	DATE	60

EROSION AND SEDIMENT CONTROL PLAN AND DETAILS

BLOCK NO. 8 600' SCALE MAP NO. 25

MAIN STREET WATER MAIN EXTENSION AND DRAINAGE IMPROVEMENTS CAPITAL PROJECTS W-8258 AND D-1118

CONTRACT 44-4139

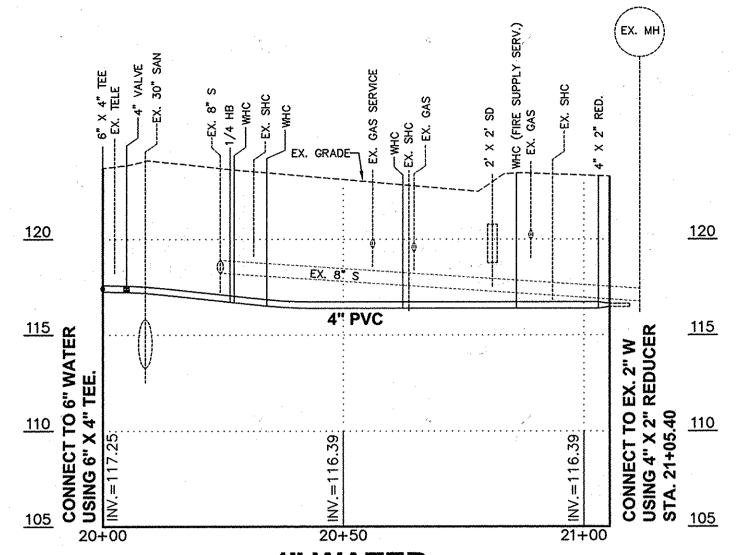
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HOWARD COUNTY, MARYLAND **ELECTION DISTRICT NO. 2**

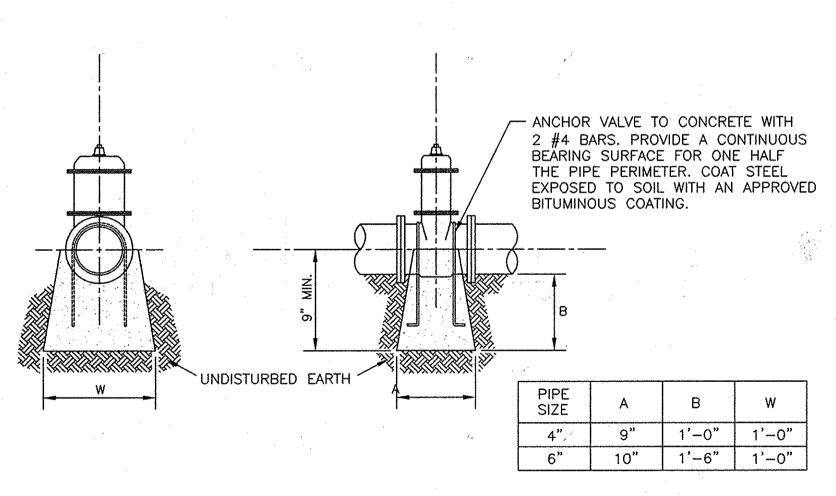


4" WATER EAST OF MARYLAND AVE. PROFILE

SCALE: H: 1"=20' V: 1"=5'

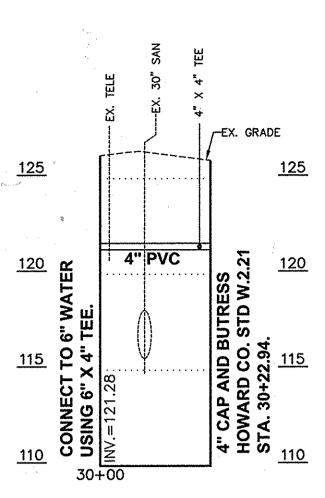
UTILITY NOTES:

- A. CONTRACTOR SHALL OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY. IF THE TRENCH MUST REMAIN OPEN LONGER THAN ONE DAY, SILT FENCE SHALL BE PLACED BELOW (DOWN SLOPE OF) THE TRENCH.
- B. PLACE ALL EXCAVATED MATERIAL ON THE UPHILL SIDE OF THE TRENCH.
- C. ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.
- D. CONSTRUCTION SHALL TAKE PLACE SUNDAY THROUGH FRIDAY BETWEEN THE HOURS OF 10 P.M. AND 7 A.M. ONLY.



ANCHORAGES FOR VALVES WITH PVC PIPE

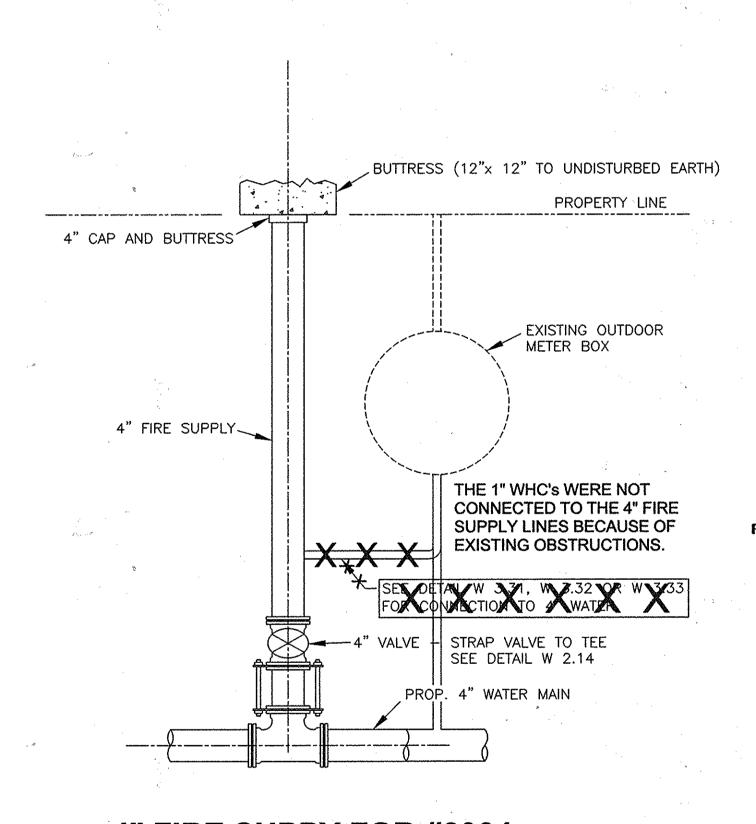
N.T.S



4" WATER CROSSING MAIN ST. WEST OF MARYLAND AVE.

PROFILE

SCALE: H: 1"=20' V: 1"=5'

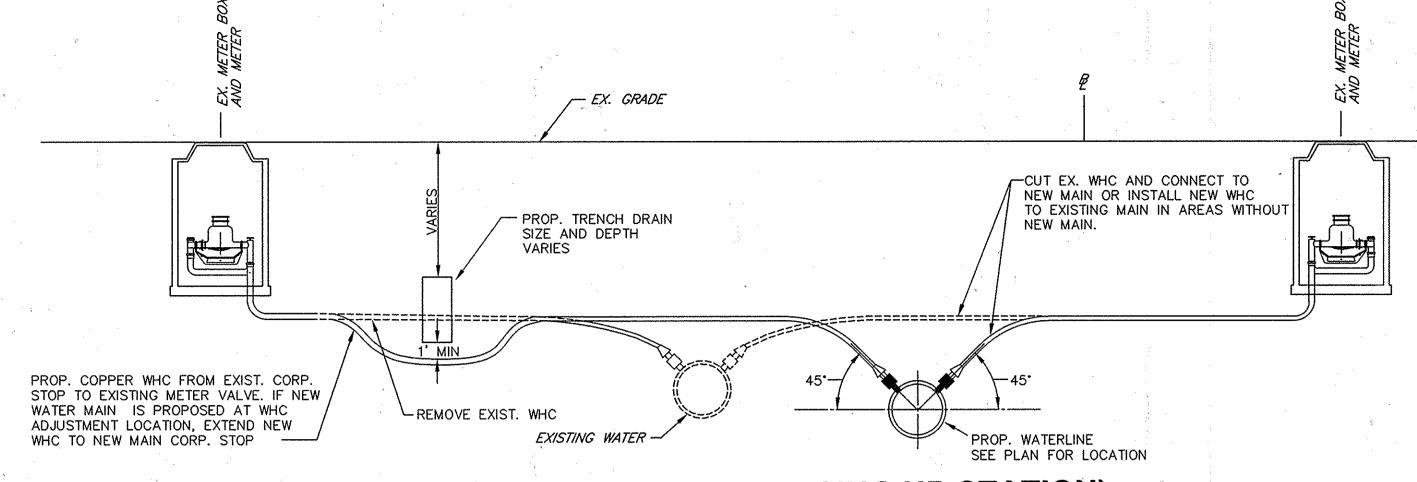


4" FIRE SUPPY FOR #8004 AND #8066 MAIN STREET

N.T.S.

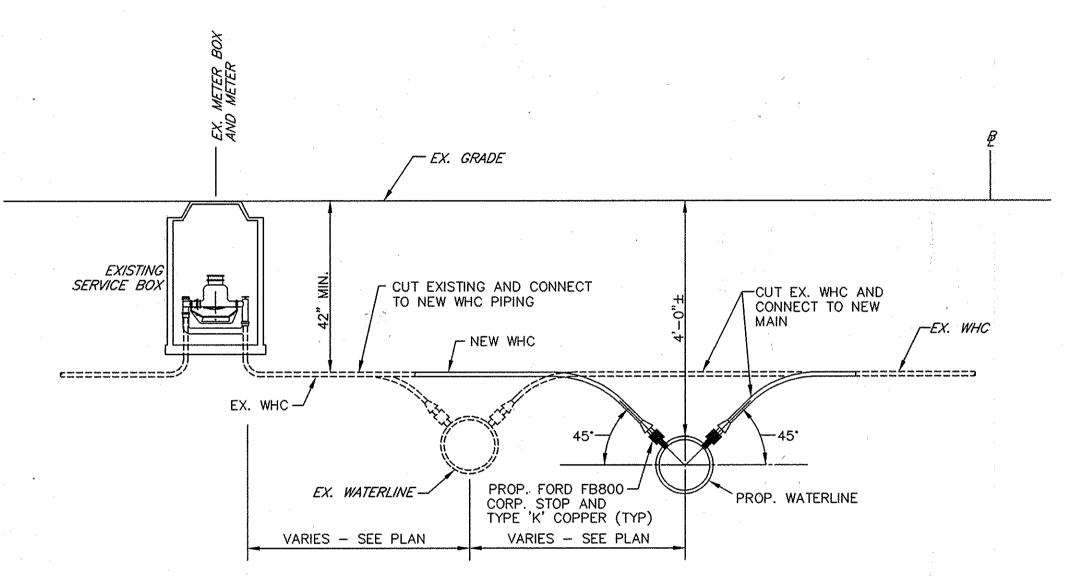
NOTE: THE FIRE SUPPLY SERVICE CONNECTION SHALL BE INSTALLED AT THE PROPERTY OWNER'S PREFERRED LOCATION AS LONG AS THE LOCATION IS COMPATIBLE

WITH THE WATER SYSTEM AS DESIGNED.

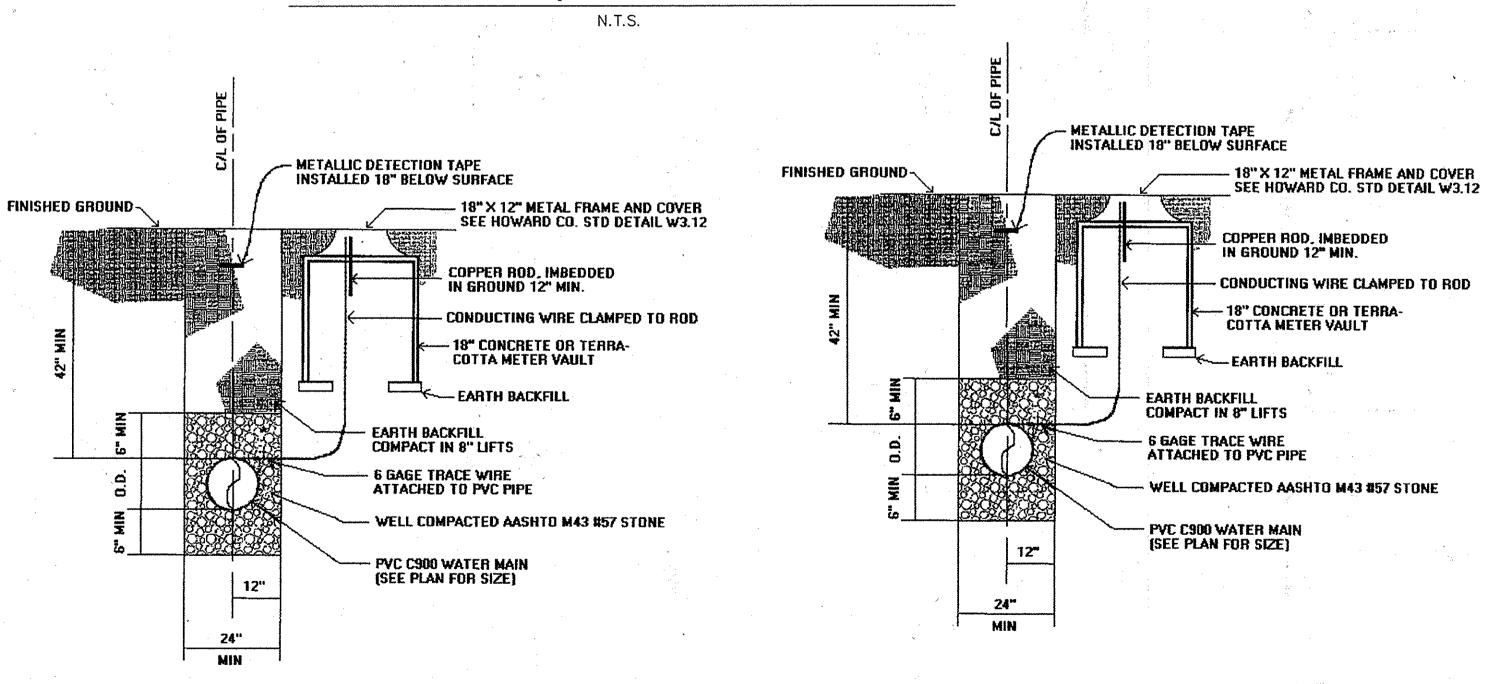


WHC ADJUSTMENT DETAIL (FACING UP STATION)

N.T.S.



WHC DETAIL (FACING UP STATION)



TRENCH FOR PVC PIPE AND CONTINUITY TEST STATION DETAIL

CONTINUITY TEST STATION
AT FIRE HYDRANT

N.T.S.

AS BUILT DRAWING AUG. 26, 2005

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

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Respon 5/17/04

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5.17-04

Dewberry

Dewberry & Davis LLC

3120 LORD BALTIMORE DRIVE
SUITE 211
BALTIMORE, MD 21244-2662
PHONE: 410.265.9500
FAX: 410.265.8875

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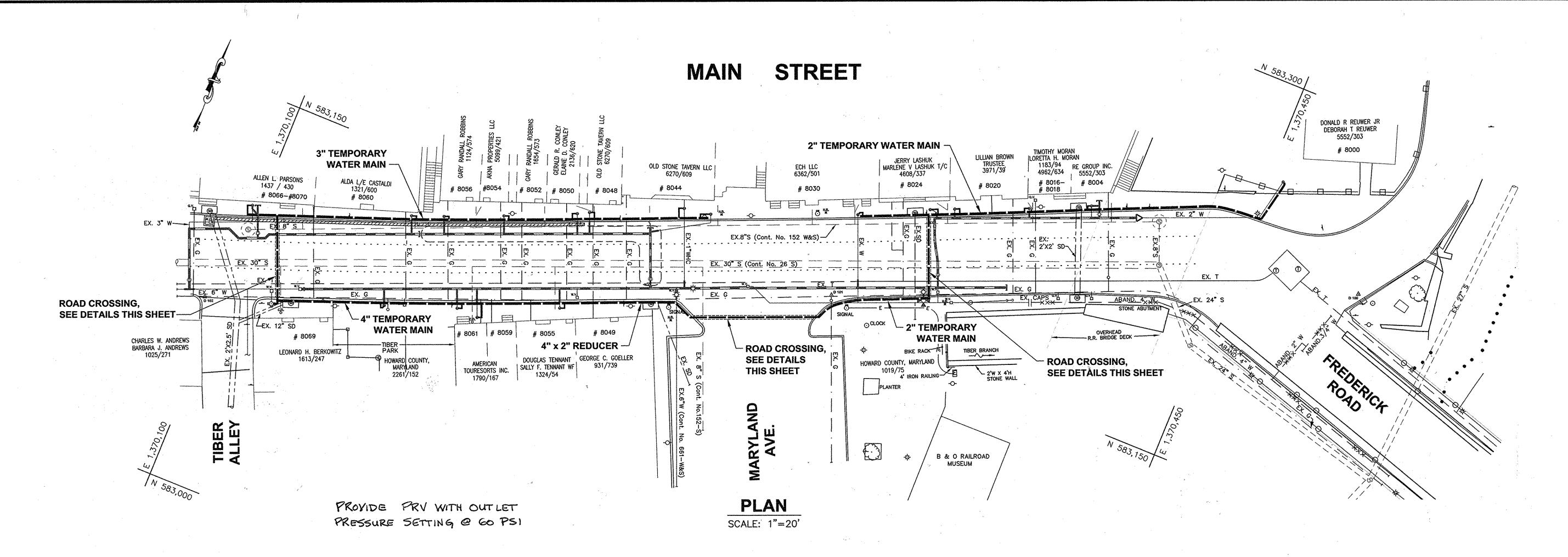
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PROFILES AND DETAILS
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BLOCK NO. 8

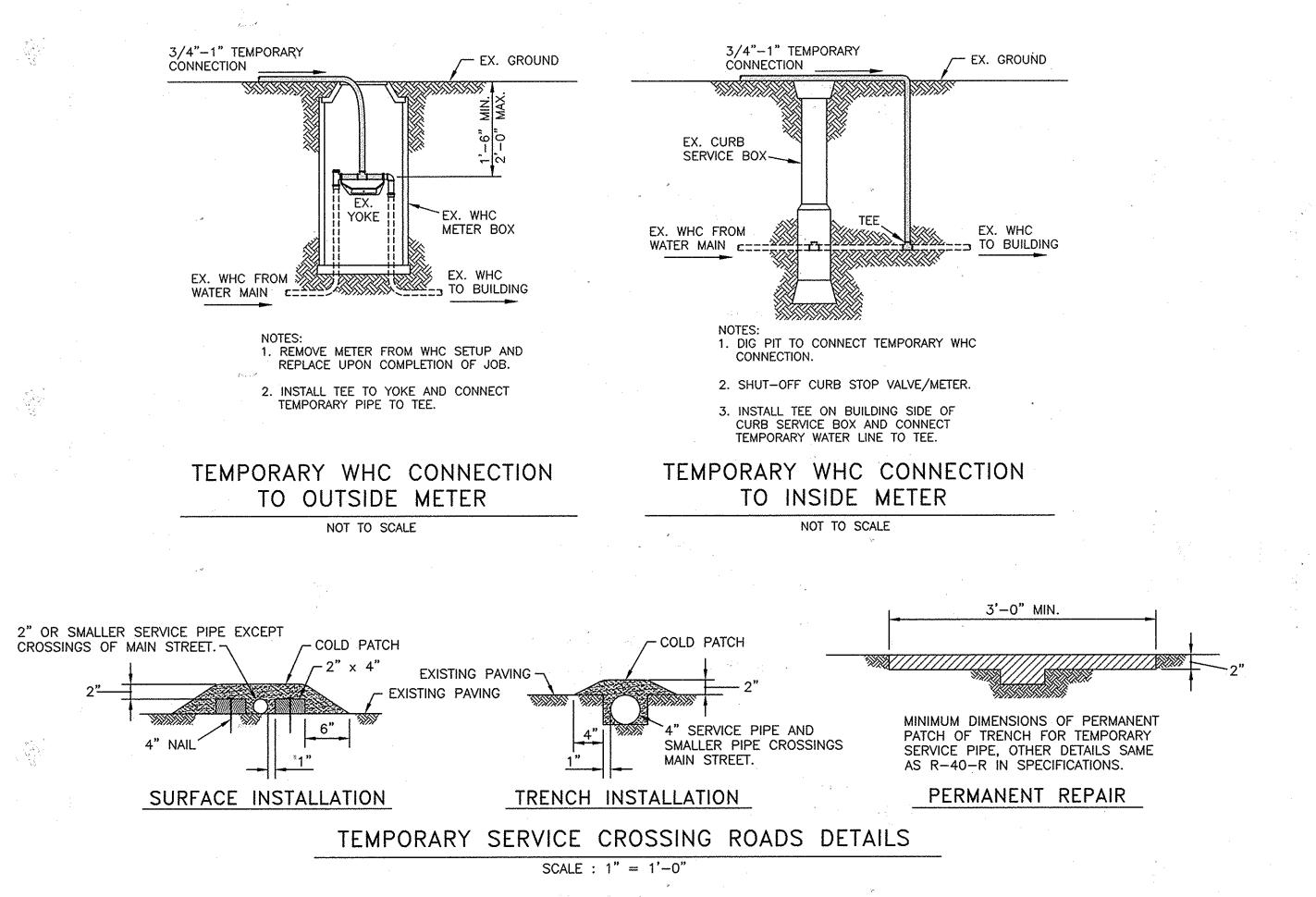
MAIN STREET
WATER MAIN EXTENSION AND
DRAINAGE IMPROVEMENTS
CAPITAL PROJECTS W-8258 AND D-1118
CONTRACT 44-4139
ELECTION DISTRICT NO: 2
HOWARD COUNTY, MARYLAND

SCALE
AS
SHOWN
SHEET
3 OF 9



UTILITY NOTES:

- A. CONTRACTOR SHALL OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE OPEN LONGER THAN ONE DAY, SILT FENCE SHALL BE PLACED BELOW (DOWN SLOPE OF) THE TRENCH.
- B. PLACE ALL EXCAVATED MATERIAL ON THE UPHILL SIDE OF THE TRENCH.
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- D. CONSTRUCTION SHALL TAKE PLACE SUNDAY THROUGH FRIDAY BETWEEN THE HOURS OF 10 P.M. AND 7 A.M. ONLY.



SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 1: INSTALLATION OF NEW 6-INCH WATER MAIN ALONG SOUTH SIDE OF MAIN STREET AND NEW 4-INCH WATER MAIN ALONG NORTH SIDE OF MAIN STREET AND EAST OF MARYLAND AVENUE.

1. OBTAIN GRADING PERMIT A

INSTALL TEMPORARY WATER SYSTEM. IT IS NOT NECESSARY TO CONNECT THE PROPERTIES OF #8060 TO #8070 MAIN STREET TO THE TEMPORARY WATER SYSTEM UNTIL PHASE 2. 4. > INSTALL WORK ZONE TRAFFIC CONTROLS FOR CLOSURE OF EASTBOUND TRAVEL LANE. 5. COORDINATE SHUTDOWN OF THE EXISTING 4-INCH WATER MAIN WITH THE BUREAU OF

UTILITIES. VALVES TO BE SHUT DOWN: 6-INCH MAIN VALVE IN FRONT OF #8069 MAIN STREET AND 6-INCH MAIN VALVE ON THE MARYLAND AVENUE WATER MAIN AT MAIN STREET. 6. # INSTALL NEW WATER SYSTEM.

7 % TEST, STERILIZE AND PLACE NEW 6-INCH AND 4-INCH MAINS IN SERVICE. 8.7 REMOVE PORTION OF THE TEMPORARY WATER SYSTEM THAT WAS PLACED ALONG SOUTH SIDE OF MAIN STREET AND EAST OF MARYLAND AVENUE.

PHASE 2: INSTALLATION OF NEW 4-INCH WATER MAIN ALONG NORTH SIDE OF MAIN STREET AND WEST OF MARYLAND AVENUE.

1. INSTALL SEDIMENT CONTROLS.

- 2. CONNECT THE PROPERTIES OF #8060 TO #8070 MAIN STREET TO THE TEMPORARY WATER SYSTEM.
- 3. RELOCATE THE WORK ZONE TRAFFIC CONTROLS FOR THE INSTALLATION OF THE NEW
- 6"X4" TAPPING SLEEVE AND VALVE. 4. INSTALL NEW TAPPING SLEEVE AND VALVE AND CONSTRUCT 4-INCH WATER MAIN CROSSING OF MAIN STREET WITH APPROPRIATE TRAFFIC CONTROL FOR SINGLE LANE
- 5. REMOVE WORK ZONE TRAFFIC CONTROLS FROM EASTBOUND LANE AND OPEN EASTBOUND
- TRAVEL LANE.
- 6. INSTALL WORK ZONE TRAFFIC CONTROLS FOR CLOSURE OF THE WESTBOUND SHOULDER (PARKING) LANE.
- 7. INSTALL NEW WATER SYSTEM TO SERVE #8060 TO #f8070 MAIN STREET, IF ADDITIVE-ALTERNATE BID ITEM "D" IS AWARDED, INSTALL NEW WATER SYSTEM TO SERVE #8044 TO #8056 MAIN STREET.
- TËST, STERILIZE AND PLACE NEW 4-INCH WATER MAIN IN SERVICE.
- REMOVE TEMPORARY WATER SYSTEM. 10. CONSTRUCT NEW TRENCH DRAIN SYSTEM AND PLACE IN SERVICE.
- 11. REMOVE WORK ZONE TRAFFIC CONTROLS FROM WESTBOUND SHOULDER LANE.

NOTE: THIS IS ONE SUGGESTED SEQUENCE OF CONSTRUCTION THAT IS DESIGNED TO MINIMIZE THE DISRUPTION OF WATER SERVICE AND VEHICULAR TRAFFIC TO BUSINESSES AND RESIDENTS IN THE PROJECT AREA. ALTERNATIVE SEQUENCES THAT DO NOT INCREASE THE DISRUPTION OR DEGRADE THE HEALTH AND SAFETY OF PERSONS AND PROPERTY MAY BE SUBMITTED FOR REVIEW AND APPROVAL WELL IN ADVANCE OF CONSTRUCTION.

AS BUILT DRAWING AUG. 26, 2005

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

Dewberry Dewberry & Davis LLC 3120 LORD BALTIMORE DRIVE

SUITE 211
BALTIMORE, MD 21244-2662
PHONE: 410.265.9500
FAX: 410.265.8875



	DES: SMS			REVISE SEQUENCE OF CONSTRUCTION 5	18/
	DE3. SIMO	RJB	AB	AS BUILT REVISIONS 8-2	26-(
	DRN: SMS				
	CHK: RJB				
D.T.					
	DATE:	BY	NO.	REVISIONS D)AT

TEMPORARY WATER SYSTEM

BLOCK NO. 8

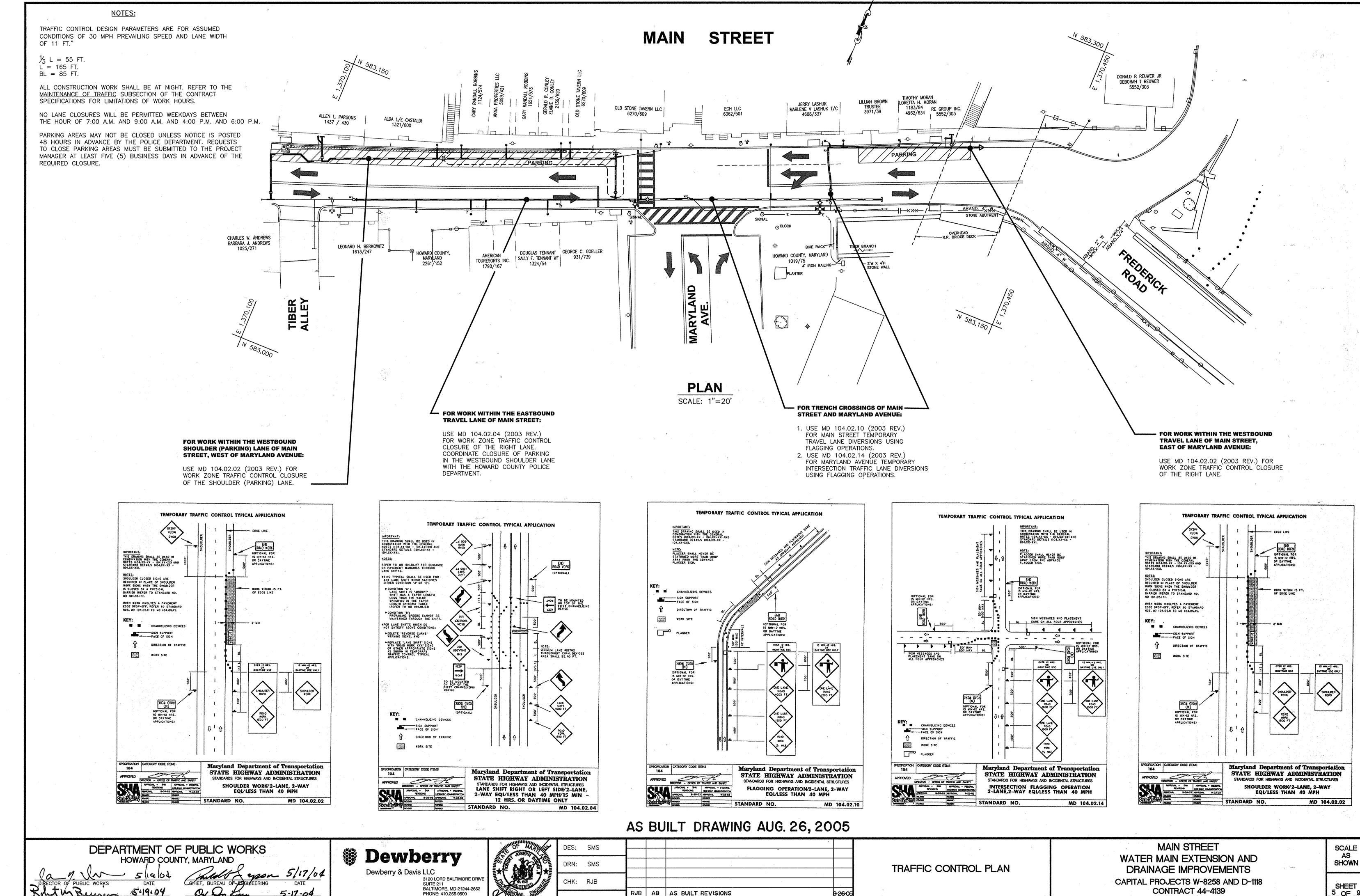
600' SCALE MAP NO. 25

MAIN STREET WATER MAIN EXTENSION AND DRAINAGE IMPROVEMENTS CAPITAL PROJECTS W-8258 AND D-1118

CONTRACT 44-4139 HOWARD COUNTY, MARYLAND ELECTION DISTRICT NO. 2

SHOWN SHEET

4 OF 9



RJB AB AS BUILT REVISIONS

REVISIONS

DATE:

FAX: 410.265.8875

8.26-05

DATE

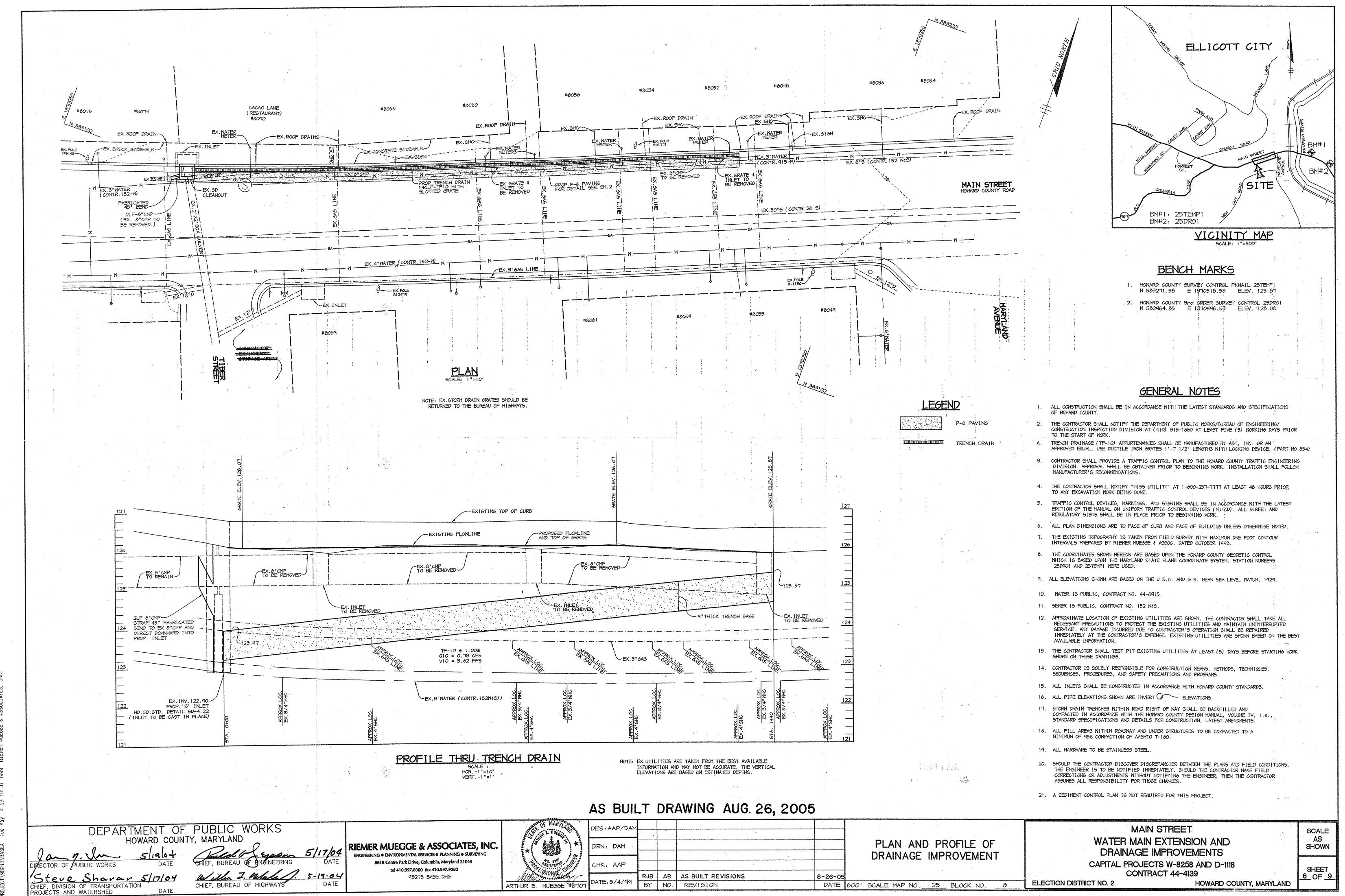
600' SCALE MAP NO. 25

BLOCK NO. 8

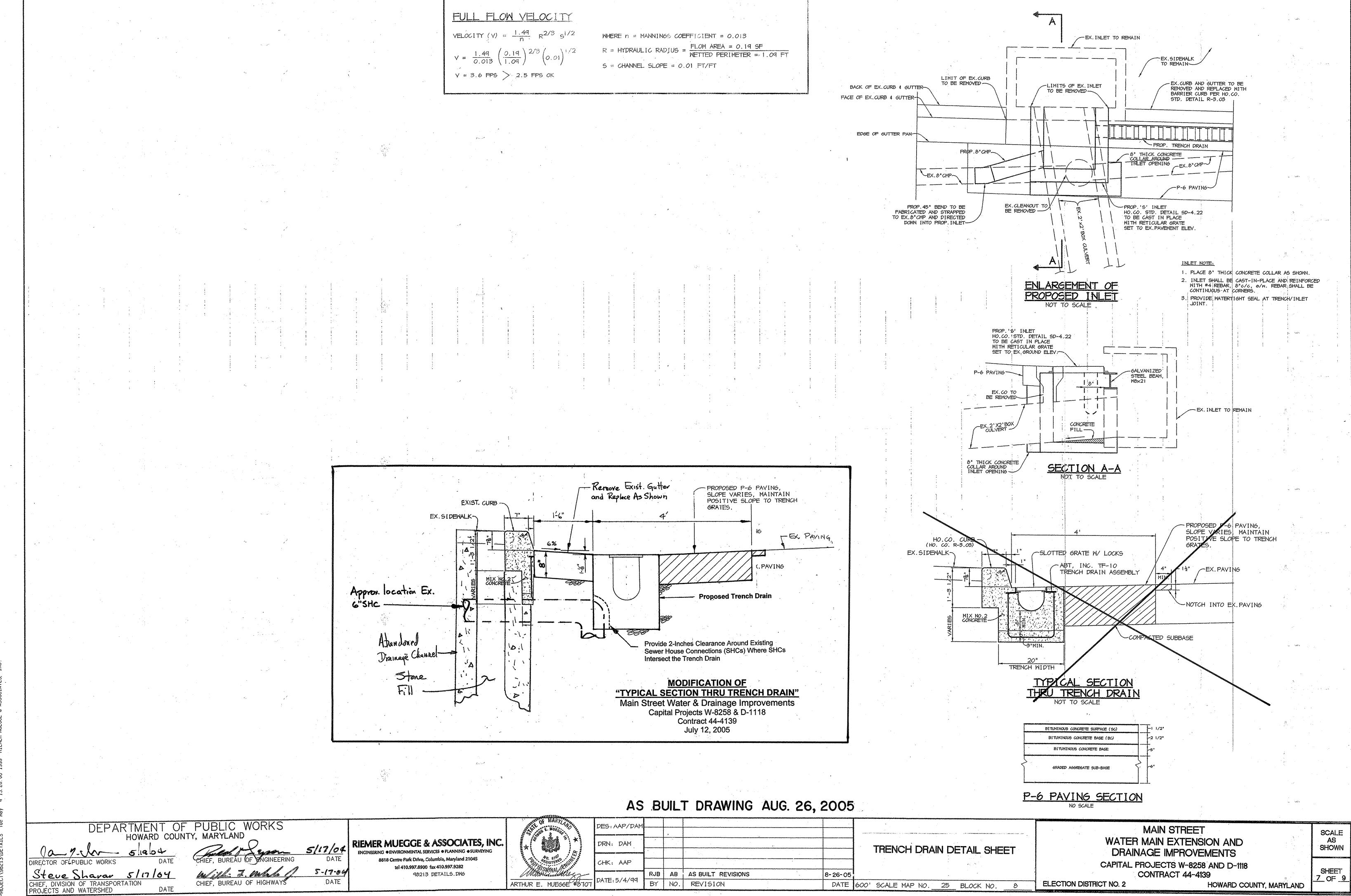
SHEET 5 OF 9

HOWARD COUNTY, MARYLAND

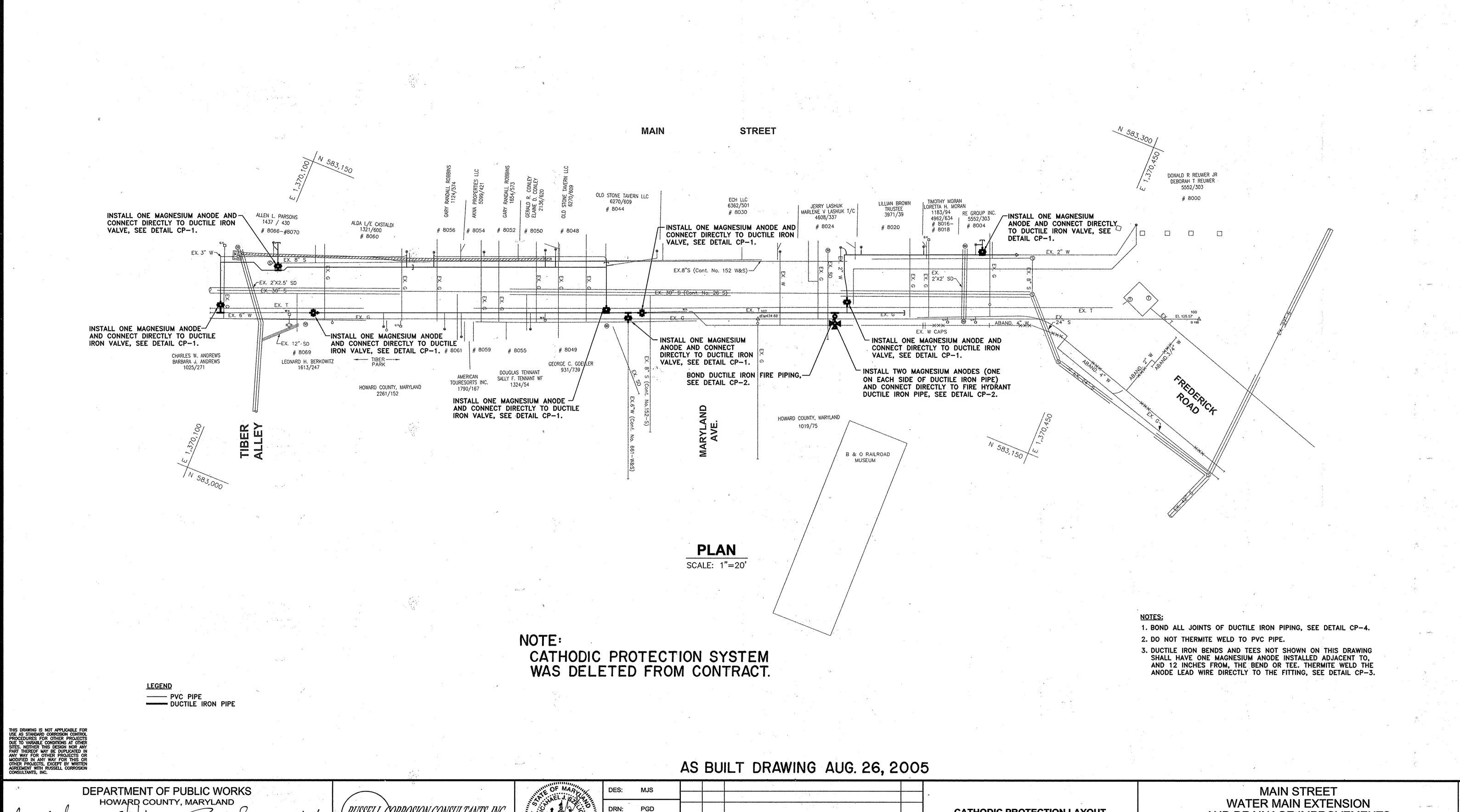
ELECTION DISTRICT NO. 2



C DOCUMENT CONTRACTOR OF CONTR



TINC SOLVEN CONTRACT OF THE MAN A 43-30-06 4000 DIEMED MIERGE & ASSOCIATES INC



RJB AB AS BUILT REVISIONS: CATHODIC PROTECTION

DATE: 4/29/04

BY NO.

SYSTEM DELETED FROM CONTRACT

Columbia, Maryland

CATHODIC PROTECTION LAYOUT

BLOCK NO. 8

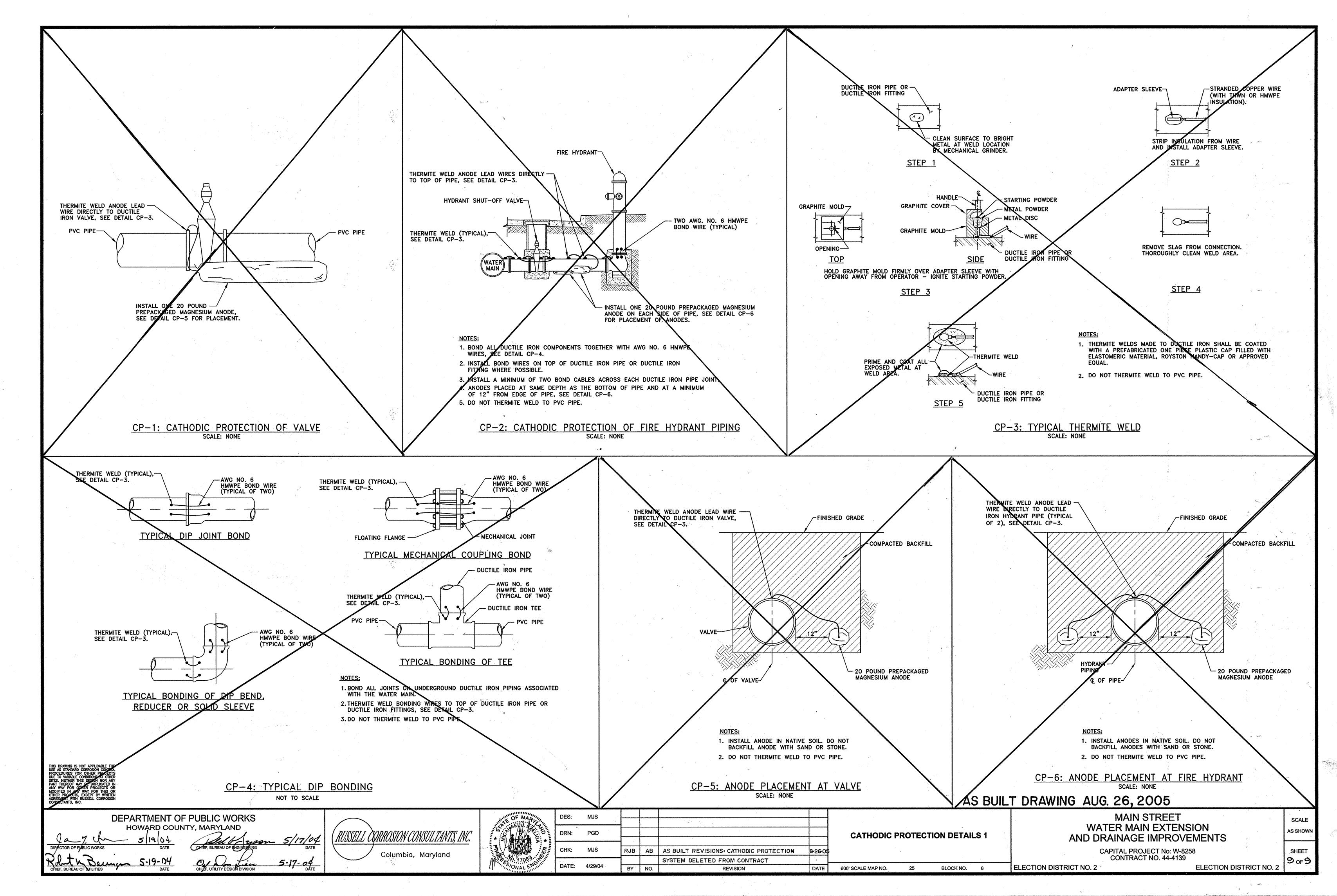
SCALE

ELECTION DISTRICT NO. 2

AND DRAINAGE IMPROVEMENTS

CAPITAL PROJECT No: W-8258 CONTRACT NO. 44-4139

ELECTION DISTRICT NO. 2



/29/2004 2:36:32 PM, RCC