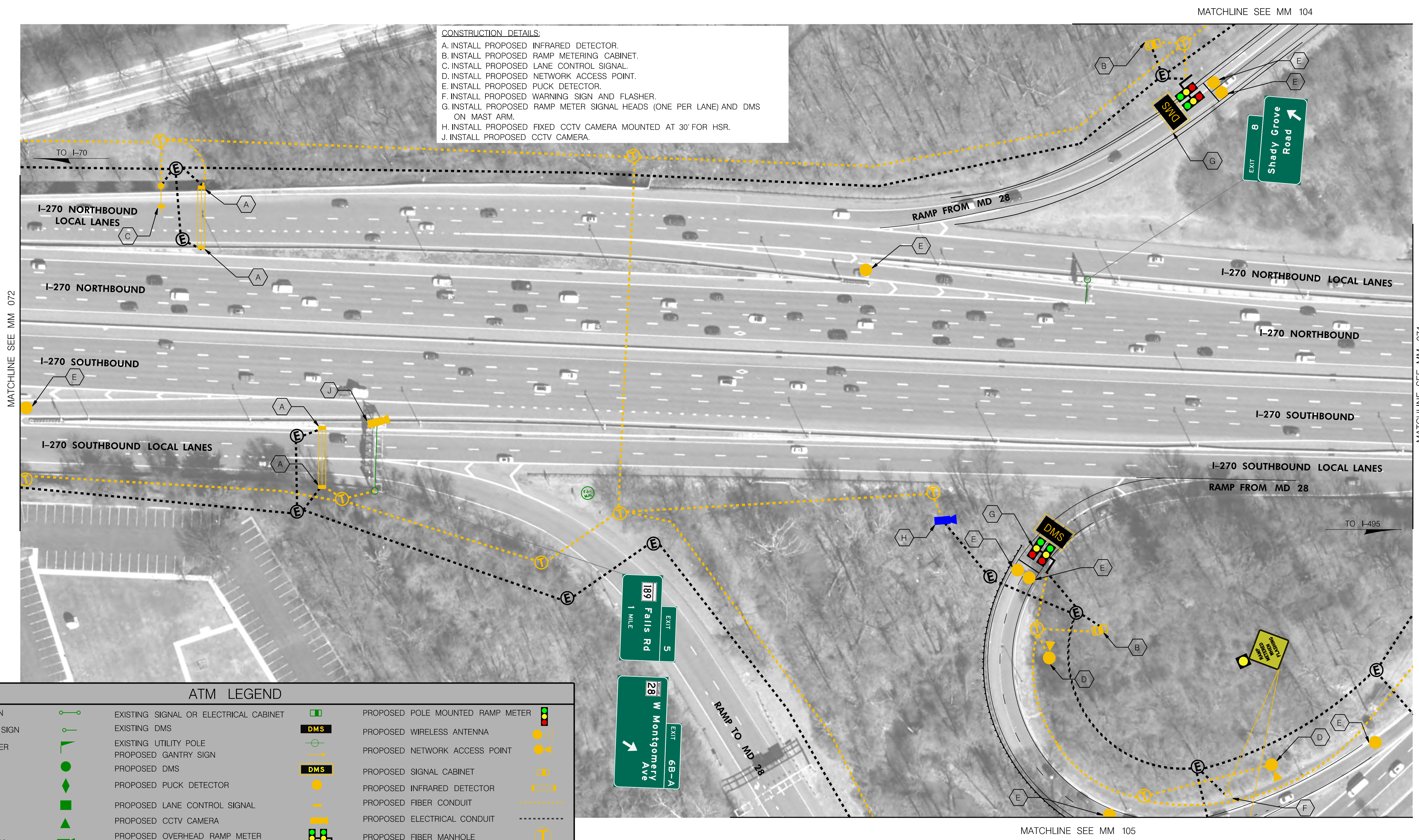


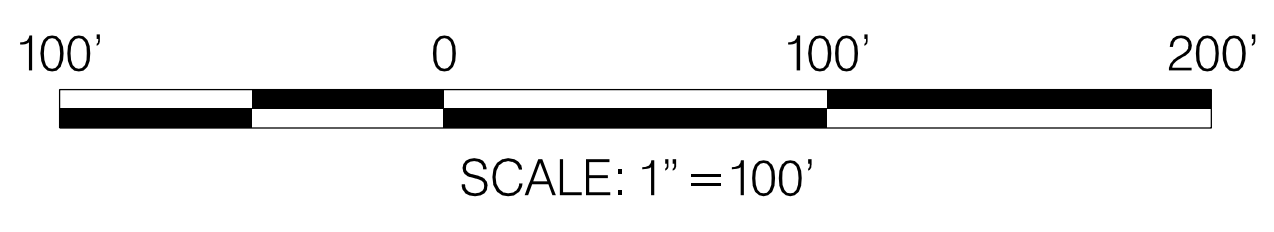
DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: roachve -




DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 – NORTH OF MD 28 (W. MONTGOMERY AVE)

DATE: JANUARY 19, 2017MM 073 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 09:36 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\p073_I270.dgn



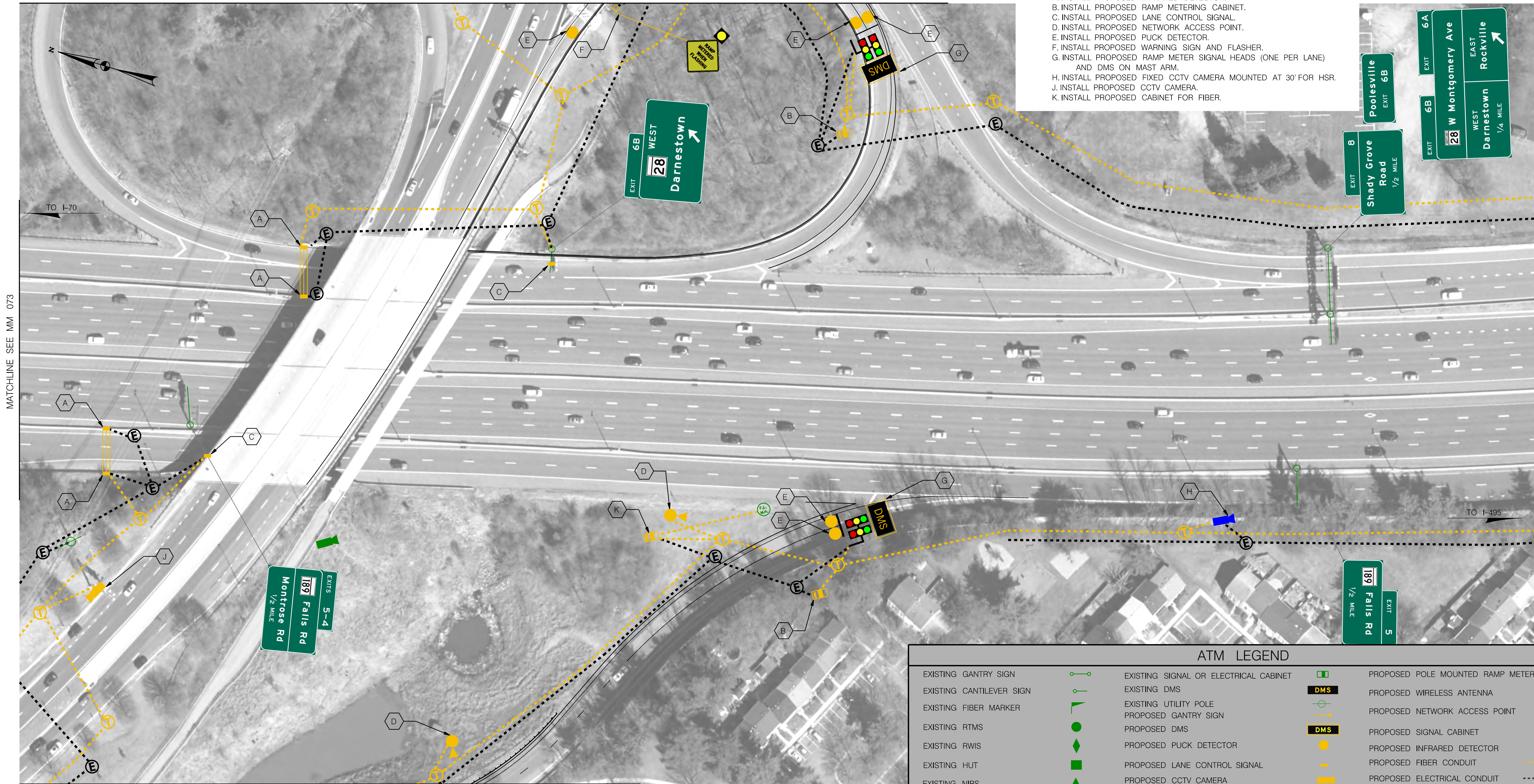
BORDER REV. DATE: March 27, 2007

BY: roachve -

MATCHLINE SEE MM 104

CONSTRUCTION DETAILS:

- A. INSTALL PROPOSED INFRARED DETECTOR.
- B. INSTALL PROPOSED RAMP METERING CABINET.
- C. INSTALL PROPOSED LANE CONTROL SIGNAL.
- D. INSTALL PROPOSED NETWORK ACCESS POINT.
- E. INSTALL PROPOSED PUCK DETECTOR.
- F. INSTALL PROPOSED WARNING SIGN AND FLASHER.
- G. INSTALL PROPOSED RAMP METER SIGNAL HEADS (ONE PER LANE) AND DMS ON MAST ARM.
- H. INSTALL PROPOSED FIXED CCTV CAMERA MOUNTED AT 30' FOR HSR.
- J. INSTALL PROPOSED CCTV CAMERA.
- K. INSTALL PROPOSED CABINET FOR FIBER.



MATCHLINE SEE MM 105

MATCHLINE SEE MM 075

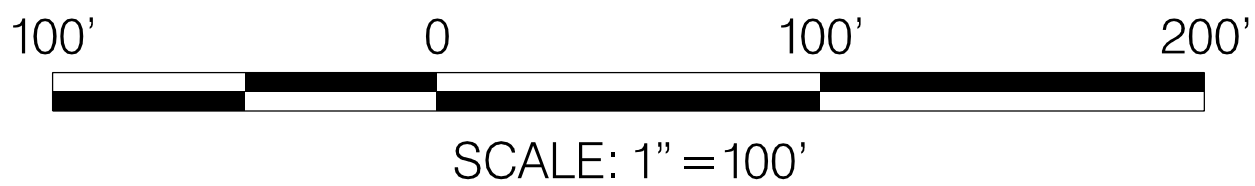
ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 - MD 28 (W. MONTGOMERY AVE)

DATE: JANUARY 19, 2017

MM 074 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:27 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\pdt-P074_IS270.dgn

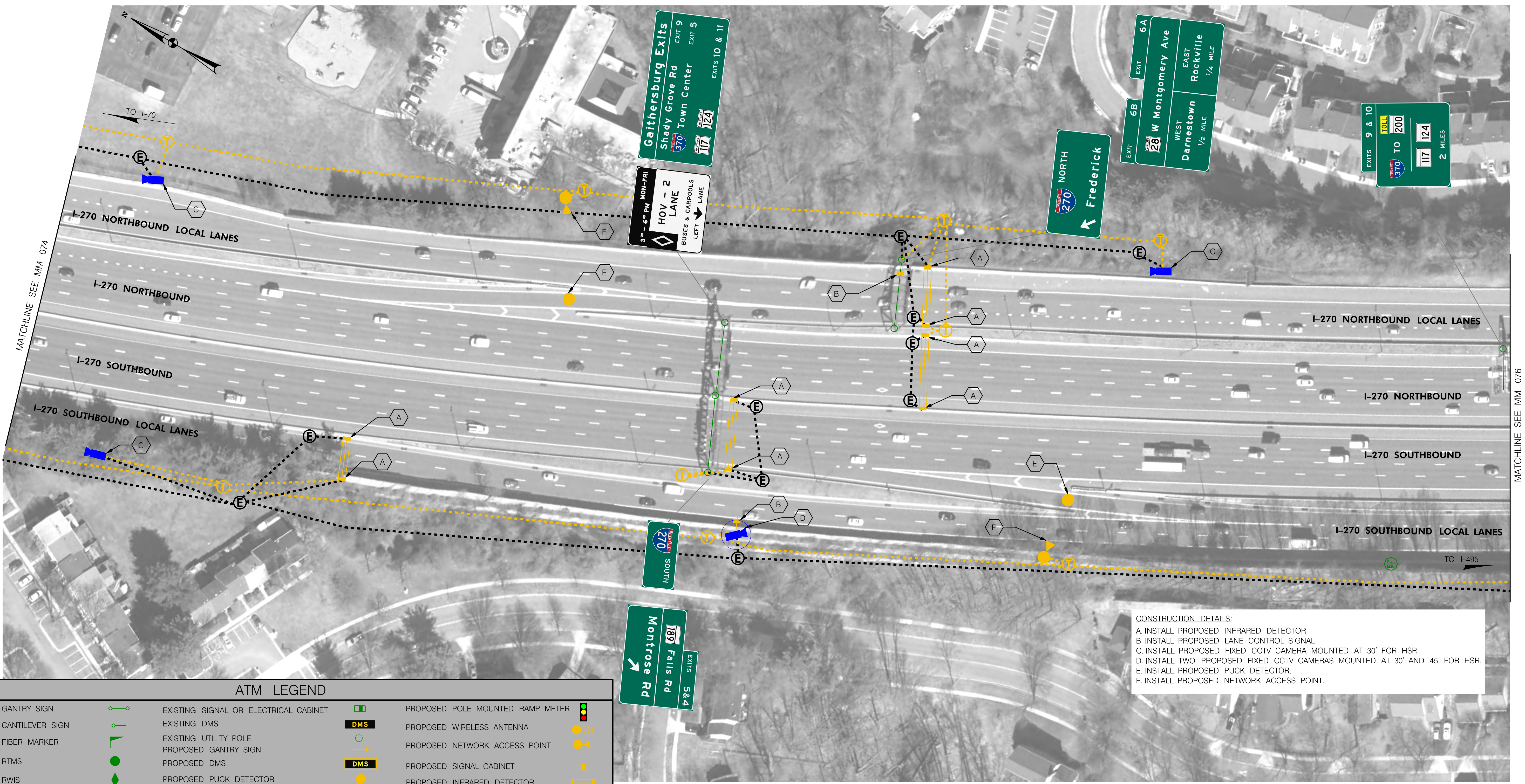
DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -



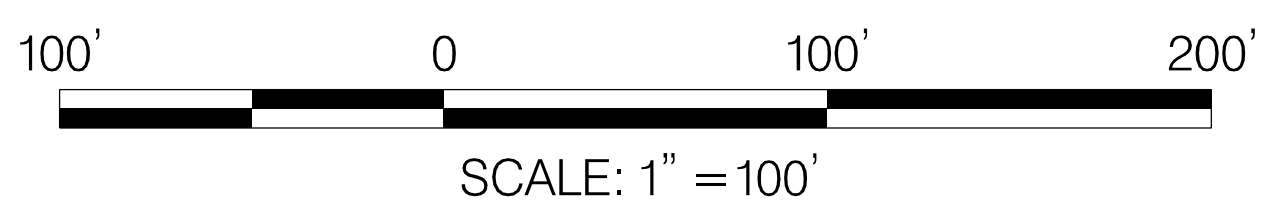
ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO.CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CORMAN
CONSTRUCTION


WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 – NORTH OF MD 189

DATE: JANUARY 19, 2017

MM 075 OF 108

PLOTTED: Monday, January 16, 2017 AT 08:02 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p17-P075_I270.dgn

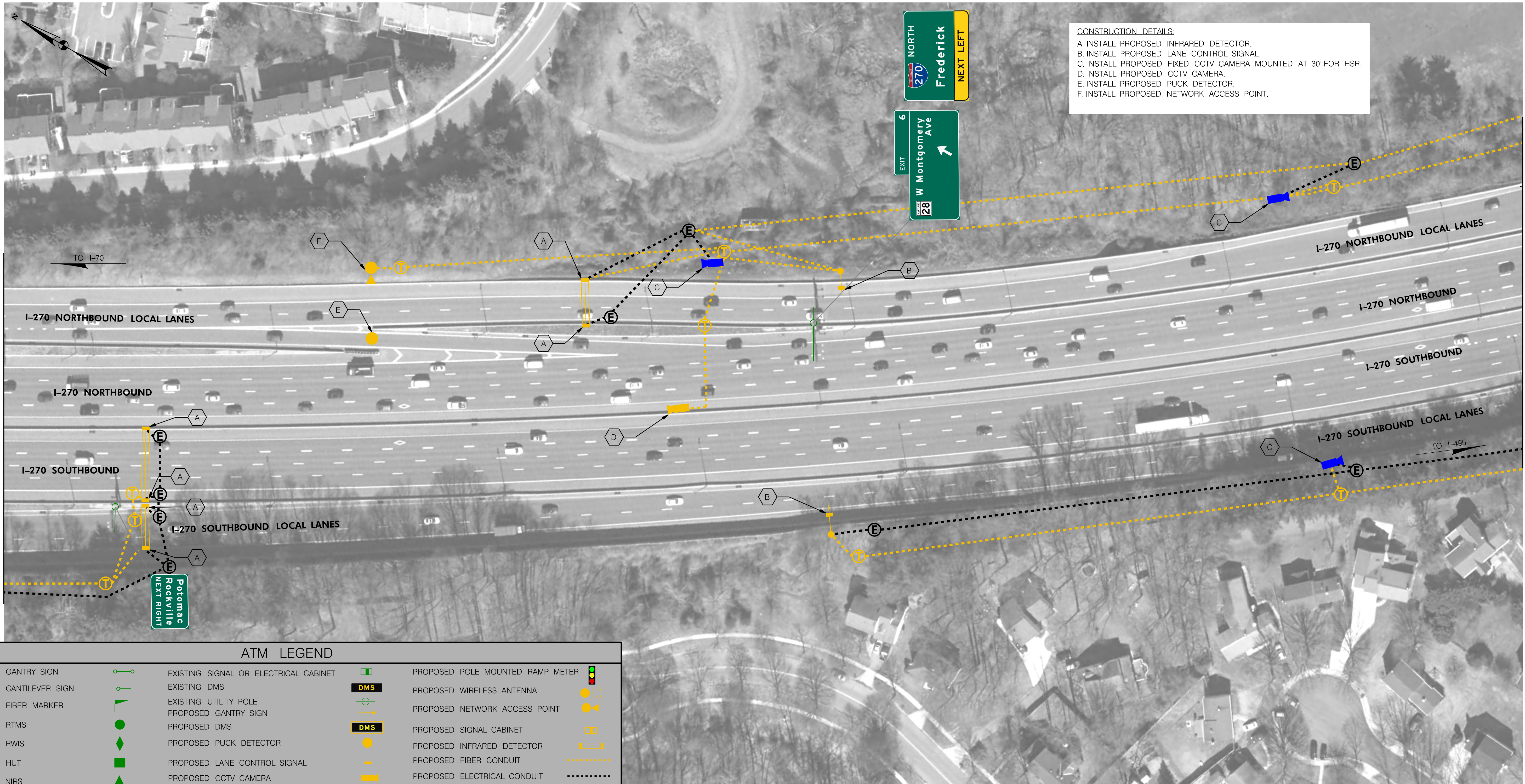
DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: roachve -



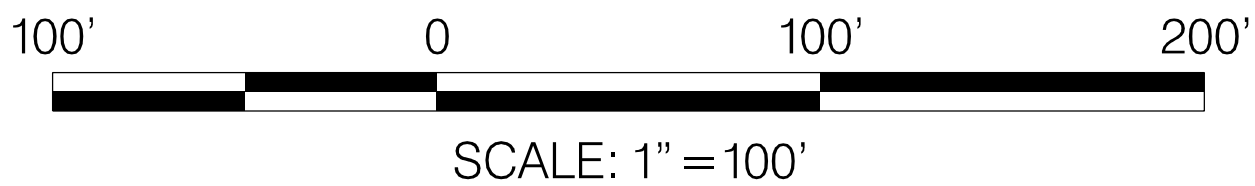
ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 – NORTH OF MD 189

DATE: JANUARY 19, 2017

MM 076 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 09:54 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\p1-P076_I270.dgn

MATCHLINE SEE MM 077

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: roachve -

- CONSTRUCTION DETAILS:
- A. INSTALL PROPOSED INFRARED DETECTOR.
 - B. INSTALL PROPOSED RAMP METERING CABINET.
 - C. INSTALL PROPOSED WARNING SIGN AND FLASHER.
 - D. INSTALL PROPOSED NETWORK ACCESS POINT.
 - E. INSTALL PROPOSED PUCK DETECTOR.
 - F. INSTALL PROPOSED CCTV CAMERA.
 - G. INSTALL PROPOSED RAMP METER SIGNAL HEADS (ONE PER LANE) AND DMS ON MAST ARM.
 - H. INSTALL PROPOSED FIXED CCTV CAMERA MOUNTED AT 30' FOR HSR.

MATCHLINE SEE MM 106

MATCHLINE SEE MM 076

MATCHLINE SEE MM 078

EXIT 4
Montrose Road
1 MILE

EXIT 5
189 Falls Rd

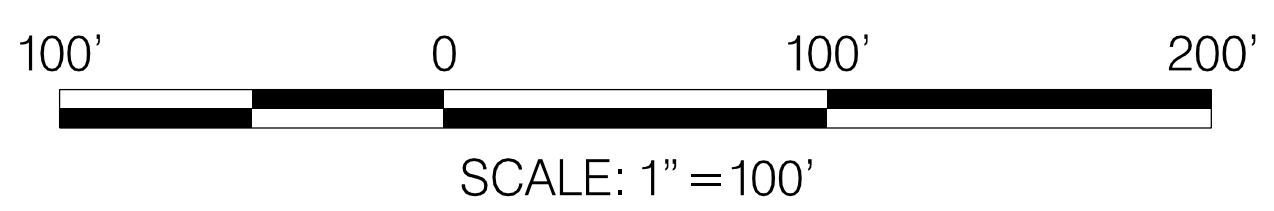
EXIT 8
Shady Grove Road
1 MILE

MON-FRI
3:30 - 6:30 PM
HOV - 2
LANE
BUSES & CARPOOLS
LEFT LANE

ATM LEGEND			
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET	
EXISTING CANTILEVER SIGN		EXISTING DMS	
EXISTING FIBER MARKER		EXISTING UTILITY POLE	
EXISTING RTMS		PROPOSED GANTRY SIGN	
EXISTING RWIS		PROPOSED DMS	
EXISTING HUT		PROPOSED PUCK DETECTOR	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR	
		PROPOSED 30' CAMERA FOR HSR	
		PROPOSED POLE MOUNTED RAMP METER	
		PROPOSED WIRELESS ANTENNA	
		PROPOSED NETWORK ACCESS POINT	
		PROPOSED SIGNAL CABINET	
		PROPOSED INFRARED DETECTOR	
		PROPOSED FIBER CONDUIT	
		PROPOSED ELECTRICAL CONDUIT	
		PROPOSED FIBER MANHOLE	
		PROPOSED ELECTRICAL MANHOLE	
		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	




DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 - MD 189 (FALLS RD)

DATE: JANUARY 19, 2017

MM 077 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 10:10 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\p077_I270.dgn

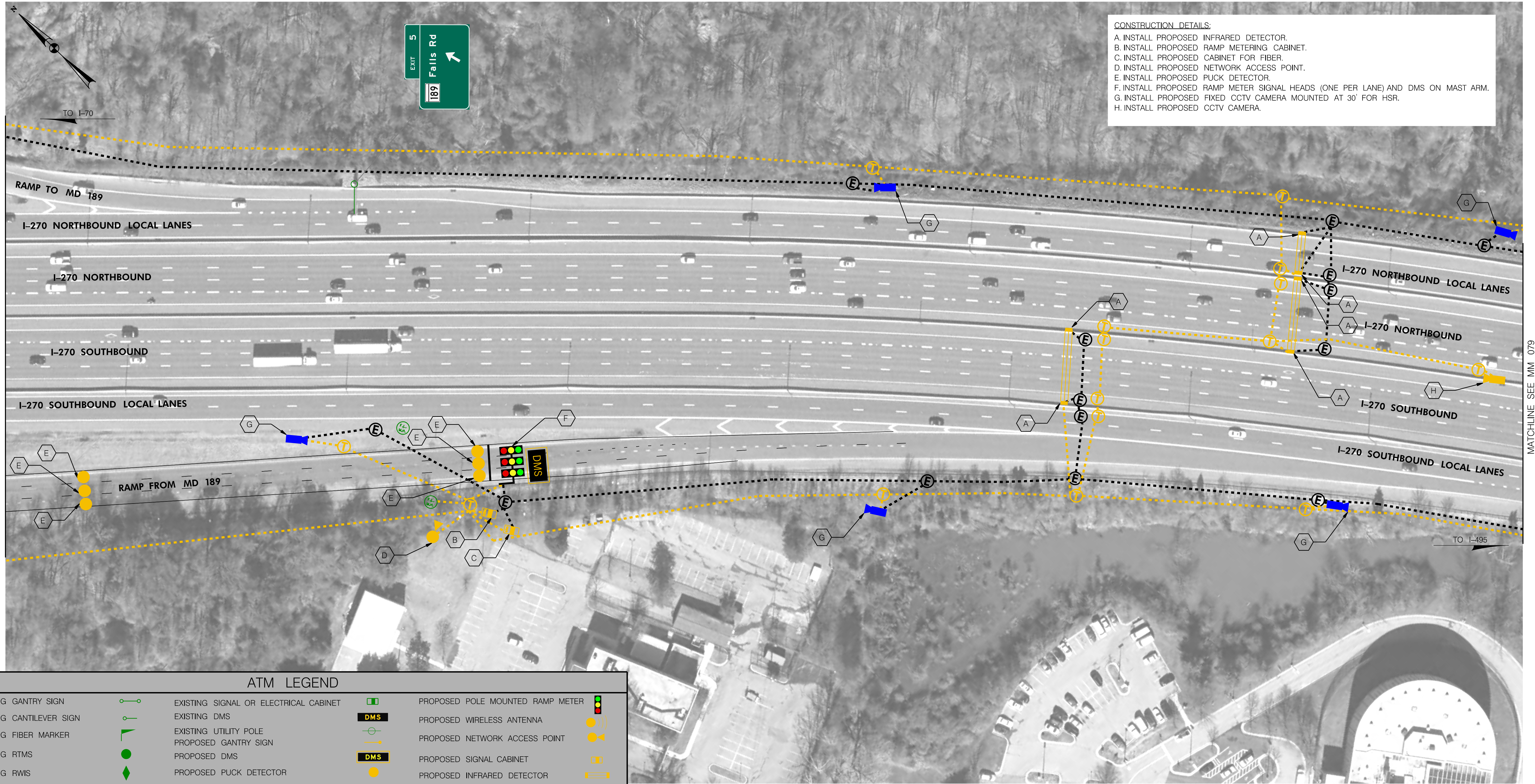
DRILL HOLES

BORDER REV. DATE: March 27, 2007

DRILL HOLES

DRILL HOLES

BY: littleton -



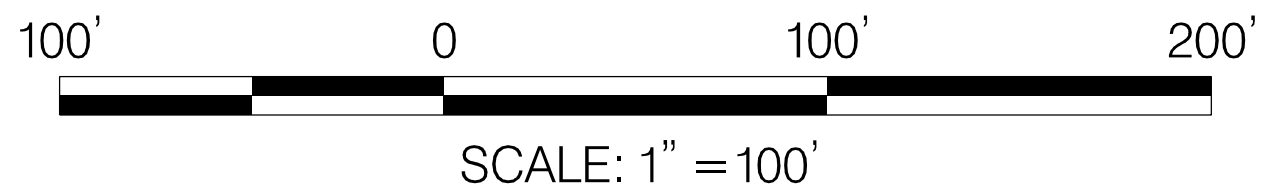
- CONSTRUCTION DETAILS:
- A. INSTALL PROPOSED INFRARED DETECTOR.
 - B. INSTALL PROPOSED RAMP METERING CABINET.
 - C. INSTALL PROPOSED CABINET FOR FIBER.
 - D. INSTALL PROPOSED NETWORK ACCESS POINT.
 - E. INSTALL PROPOSED PUCK DETECTOR.
 - F. INSTALL PROPOSED RAMP METER SIGNAL HEADS (ONE PER LANE) AND DMS ON MAST ARM.
 - G. INSTALL PROPOSED FIXED CCTV CAMERA MOUNTED AT 30' FOR HSR.
 - H. INSTALL PROPOSED CCTV CAMERA.

ATM LEGEND			
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET	
EXISTING CANTILEVER SIGN		EXISTING DMS	
EXISTING FIBER MARKER		EXISTING UTILITY POLE	
EXISTING RTMS		PROPOSED GANTRY SIGN	
EXISTING RWIS		PROPOSED DMS	
EXISTING HUT		PROPOSED PUCK DETECTOR	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER	
EXISTING MD.CO.CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR	
		PROPOSED 30' CAMERA FOR HSR	
		PROPOSED POLE MOUNTED RAMP METER	
		PROPOSED WIRELESS ANTENNA	
		PROPOSED NETWORK ACCESS POINT	
		PROPOSED SIGNAL CABINET	
		PROPOSED INFRARED DETECTOR	
		PROPOSED FIBER CONDUIT	
		PROPOSED ELECTRICAL CONDUIT	
		PROPOSED FIBER MANHOLE	
		PROPOSED ELECTRICAL MANHOLE	
		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	

CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION INNOVATIVE CONTRACTING DIVISION	
I-270 INNOVATIVE CONGESTION MANAGEMENT MANAGED MOTORWAYS	
SEGMENT 4 I-270 - SOUTH OF MD 189 (FALLS RD)	
DATE: JANUARY 19, 2017	MM 078 OF 108

PLOTTED: Monday, January 16, 2017 AT 08:17 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p078_I270.dgn

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -

ATM LEGEND

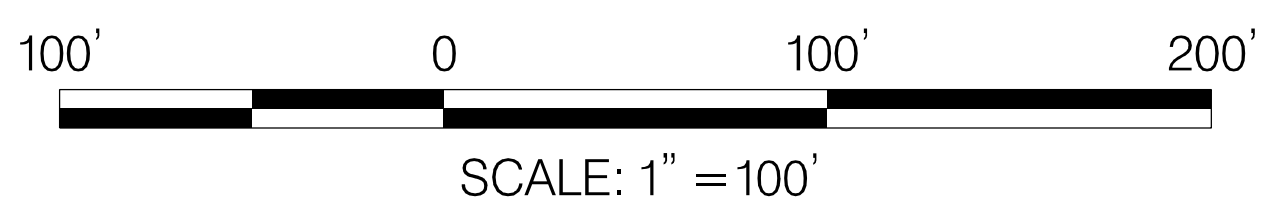
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EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	



CONSTRUCTION DETAILS:
A. INSTALL PROPOSED INFRARED DETECTOR.
B. INSTALL PROPOSED LANE CONTROL SIGNAL.
C. INSTALL PROPOSED FIXED CCTV CAMERA MOUNTED AT 30' FOR HSR.



DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 – WOOTTON PKWY

DATE: JANUARY 19, 2017
MM 079 OF 108

PLOTTED: Monday, January 16, 2017 AT 08:22 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p17-P079_I270.dgn

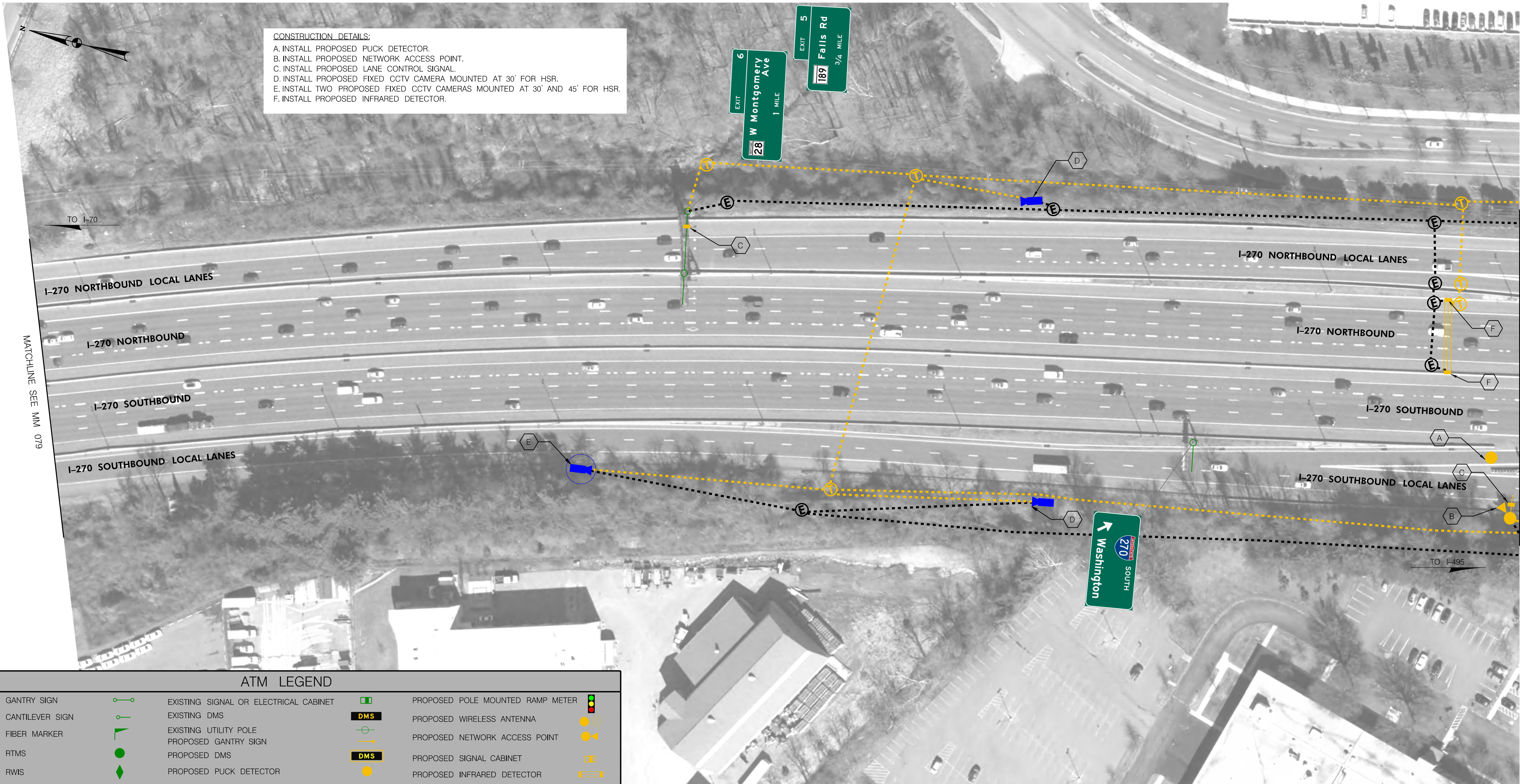
DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -



CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS

100' 0 100' 200'
SCALE: 1" = 100'

DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

**I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS**

**SEGMENT 4
I-270 - SOUTH OF WOOTTON PKWY.**

DATE: JANUARY 19, 2017

MM 080 OF 108

PLOTTED: Monday, January 16, 2017 AT 08:27 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p080_I270.dgn

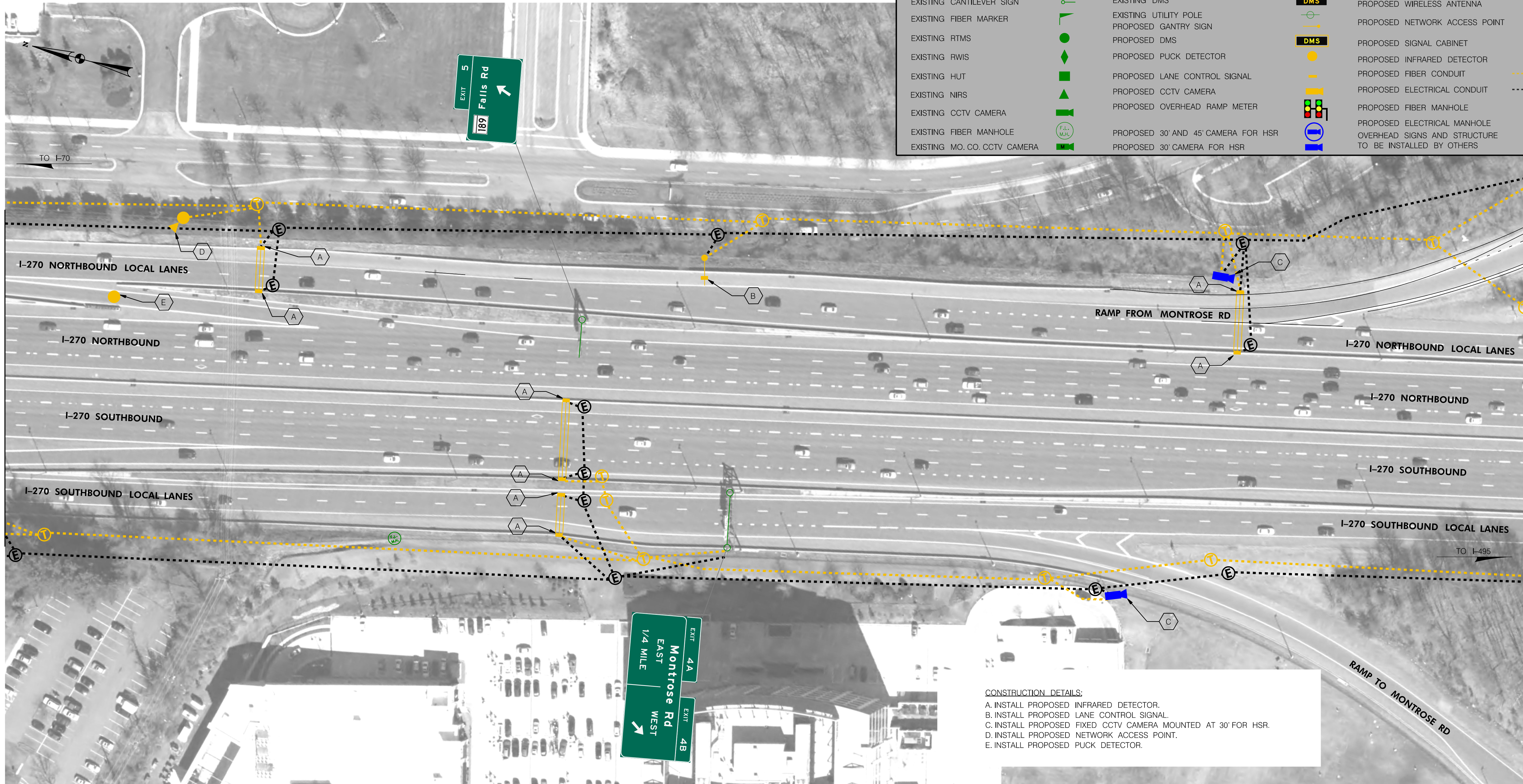
DRILL HOLES

BORDER REV. DATE: March 27, 2007

DRILL HOLES

DRILL HOLES

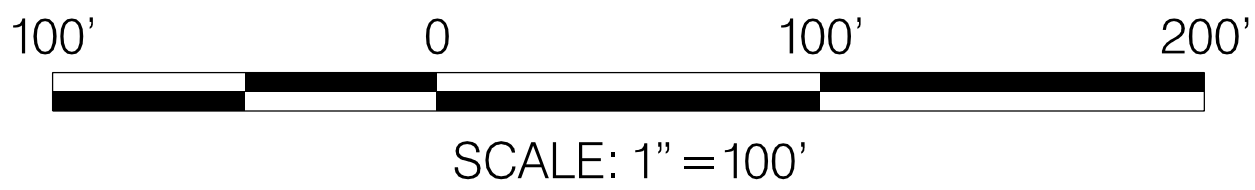
BY: roachve -



ATM LEGEND			
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET	
EXISTING CANTILEVER SIGN		EXISTING DMS	
EXISTING FIBER MARKER		EXISTING UTILITY POLE	
EXISTING RTMS		PROPOSED GANTRY SIGN	
EXISTING RWIS		PROPOSED DMS	
EXISTING HUT		PROPOSED PUCK DETECTOR	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR	
		PROPOSED 30' CAMERA FOR HSR	
		PROPOSED POLE MOUNTED RAMP METER	
		PROPOSED WIRELESS ANTENNA	
		PROPOSED NETWORK ACCESS POINT	
		PROPOSED SIGNAL CABINET	
		PROPOSED INFRARED DETECTOR	
		PROPOSED FIBER CONDUIT	
		PROPOSED ELECTRICAL CONDUIT	
		PROPOSED FIBER MANHOLE	
		PROPOSED ELECTRICAL MANHOLE	
		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	



DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 - NORTH OF MONTROSE RD.

DATE: JANUARY 19, 2017

MM 081 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 10:23 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\pdt-P081_I270.dgn

DRILL HOLES

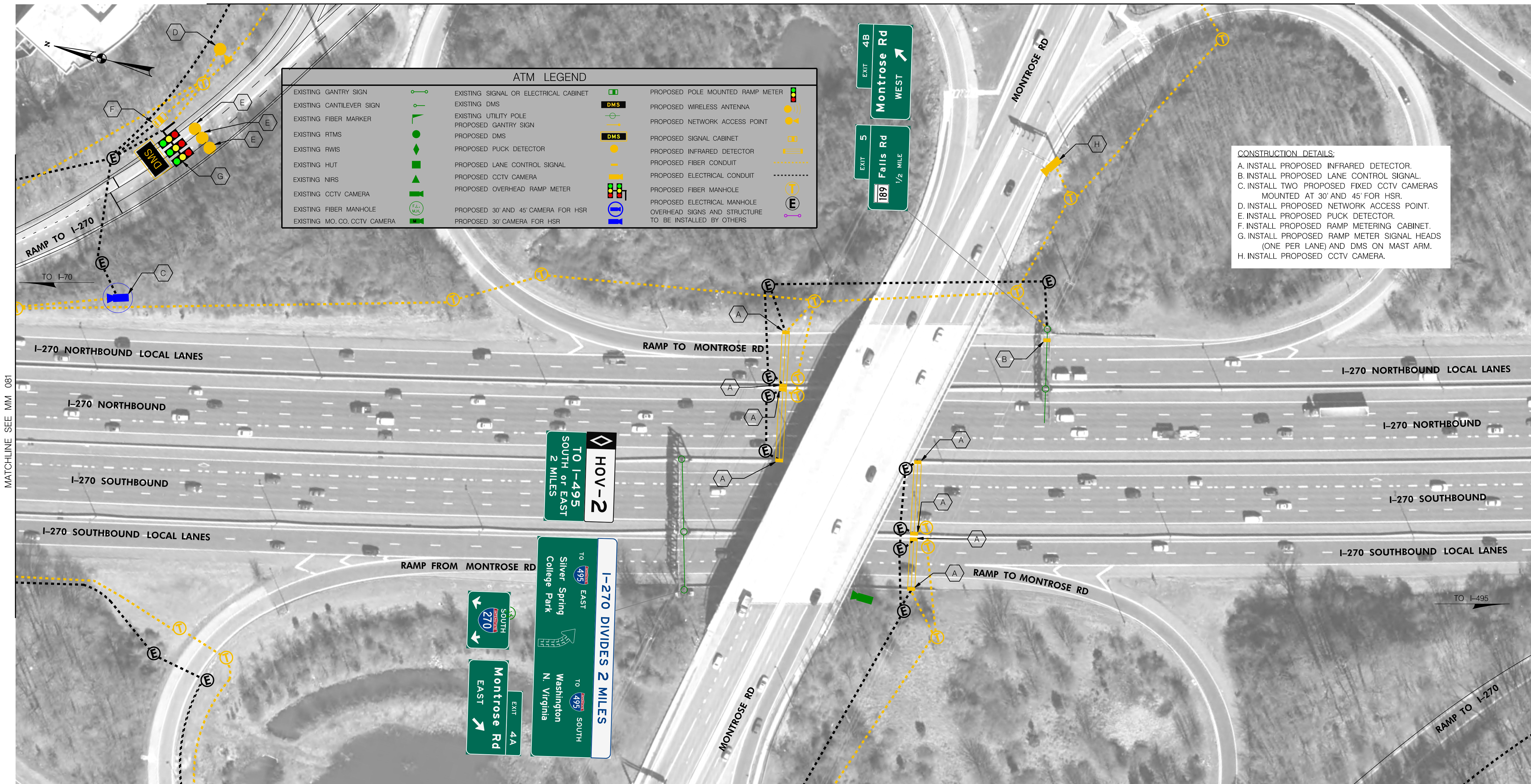
DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: roachve -

MATCHLINE SEE MM 107



CONSTRUCTION DETAILS:
A. INSTALL PROPOSED INFRARED DETECTOR.
B. INSTALL PROPOSED LANE CONTROL SIGNAL.
C. INSTALL TWO PROPOSED FIXED CCTV CAMERAS MOUNTED AT 30' AND 45' FOR HSR.
D. INSTALL PROPOSED NETWORK ACCESS POINT.
E. INSTALL PROPOSED PUCK DETECTOR.
F. INSTALL PROPOSED RAMP METERING CABINET.
G. INSTALL PROPOSED RAMP METER SIGNAL HEADS (ONE PER LANE) AND DMS ON MAST ARM.
H. INSTALL PROPOSED CCTV CAMERA.

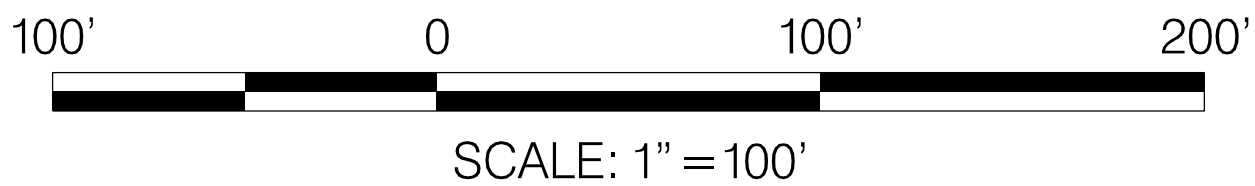
MATCHLINE SEE MM 083

MATCHLINE SEE MM 108

CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 - MONTROSE RD

DATE: JANUARY 19, 2017

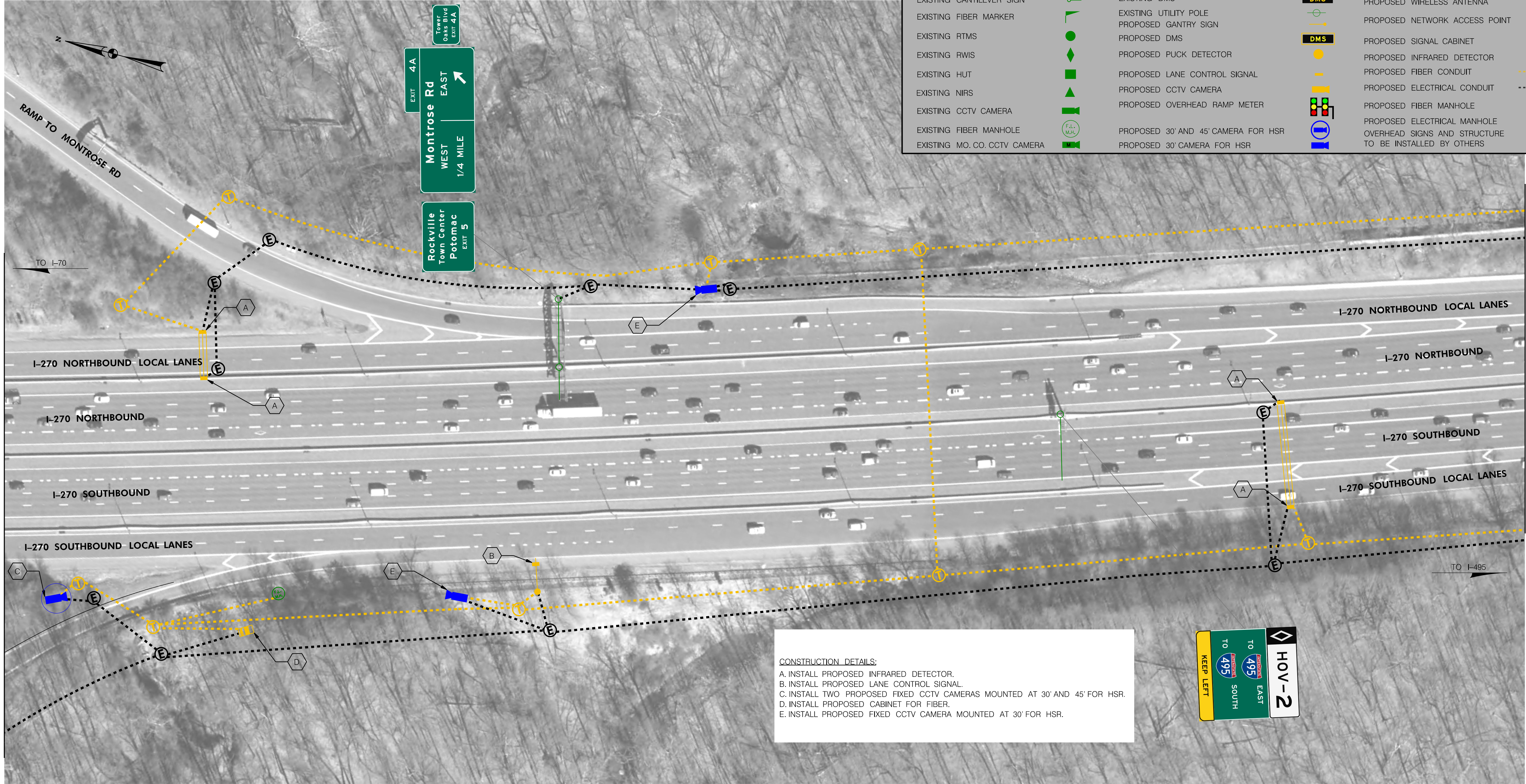
MM 082 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 10:41 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\p082_S270.dgn

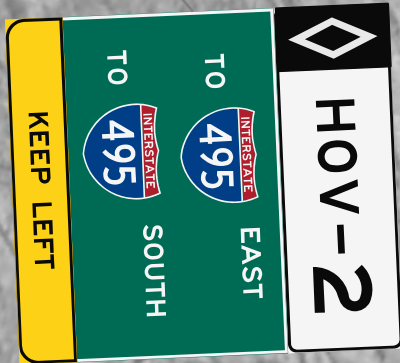


BORDER REV. DATE: March 27, 2007

BY: roachve -



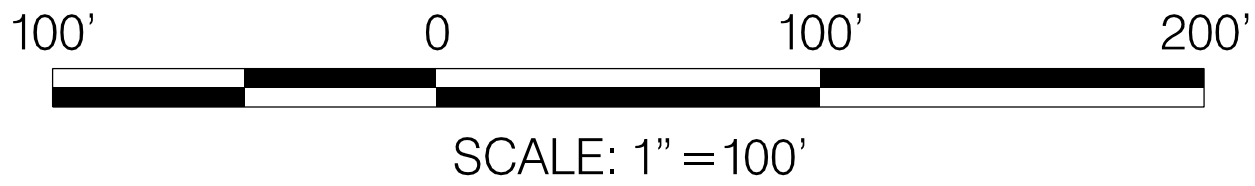
CONSTRUCTION DETAILS:
A. INSTALL PROPOSED INFRARED DETECTOR.
B. INSTALL PROPOSED LANE CONTROL SIGNAL.
C. INSTALL TWO PROPOSED FIXED CCTV CAMERAS MOUNTED AT 30' AND 45' FOR HSR.
D. INSTALL PROPOSED CABINET FOR FIBER.
E. INSTALL PROPOSED FIXED CCTV CAMERA MOUNTED AT 30' FOR HSR.



ATM LEGEND			
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET	
EXISTING CANTILEVER SIGN		EXISTING DMS	
EXISTING FIBER MARKER		EXISTING UTILITY POLE	
EXISTING RTMS		PROPOSED GANTRY SIGN	
EXISTING RWIS		PROPOSED DMS	
EXISTING HUT		PROPOSED PUCK DETECTOR	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR	
		PROPOSED 30' CAMERA FOR HSR	
		PROPOSED POLE MOUNTED RAMP METER	
		PROPOSED WIRELESS ANTENNA	
		PROPOSED NETWORK ACCESS POINT	
		PROPOSED SIGNAL CABINET	
		PROPOSED INFRARED DETECTOR	
		PROPOSED FIBER CONDUIT	
		PROPOSED ELECTRICAL CONDUIT	
		PROPOSED FIBER MANHOLE	
		PROPOSED ELECTRICAL MANHOLE	
		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	



DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 - SOUTH OF MONTROSE RD.

DATE: JANUARY 19, 2017

MM 083 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 10:57 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\gdt-P083_I270.dgn

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton

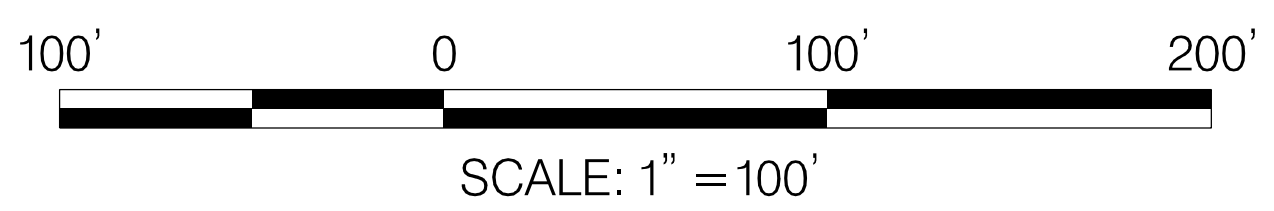


ATM LEGEND			
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET	
EXISTING CANTILEVER SIGN		EXISTING DMS	
EXISTING FIBER MARKER		EXISTING UTILITY POLE	
EXISTING RTMS		PROPOSED GANTRY SIGN	
EXISTING RWIS		PROPOSED DMS	
EXISTING HUT		PROPOSED PUCK DETECTOR	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR	
		PROPOSED 30' CAMERA FOR HSR	
		PROPOSED POLE MOUNTED RAMP METER	
		PROPOSED WIRELESS ANTENNA	
		PROPOSED NETWORK ACCESS POINT	
		PROPOSED SIGNAL CABINET	
		PROPOSED INFRARED DETECTOR	
		PROPOSED FIBER CONDUIT	
		PROPOSED ELECTRICAL CONDUIT	
		PROPOSED FIBER MANHOLE	
		PROPOSED ELECTRICAL MANHOLE	
		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	

CONSTRUCTION DETAILS:
A. INSTALL PROPOSED INFRARED DETECTOR.
B. INSTALL PROPOSED LANE CONTROL SIGNAL.
C. INSTALL PROPOSED CCTV CAMERA.
D. INSTALL TWO PROPOSED FIXED CCTV CAMERAS MOUNTED AT 30' AND 45' FOR HSR.




DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 – SOUTH OF MONTROSE RD.

DATE: JANUARY 19, 2017MM 084 OF 108

PLOTTED: Monday, January 16, 2017 AT 08:46 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p084_I270.dgn

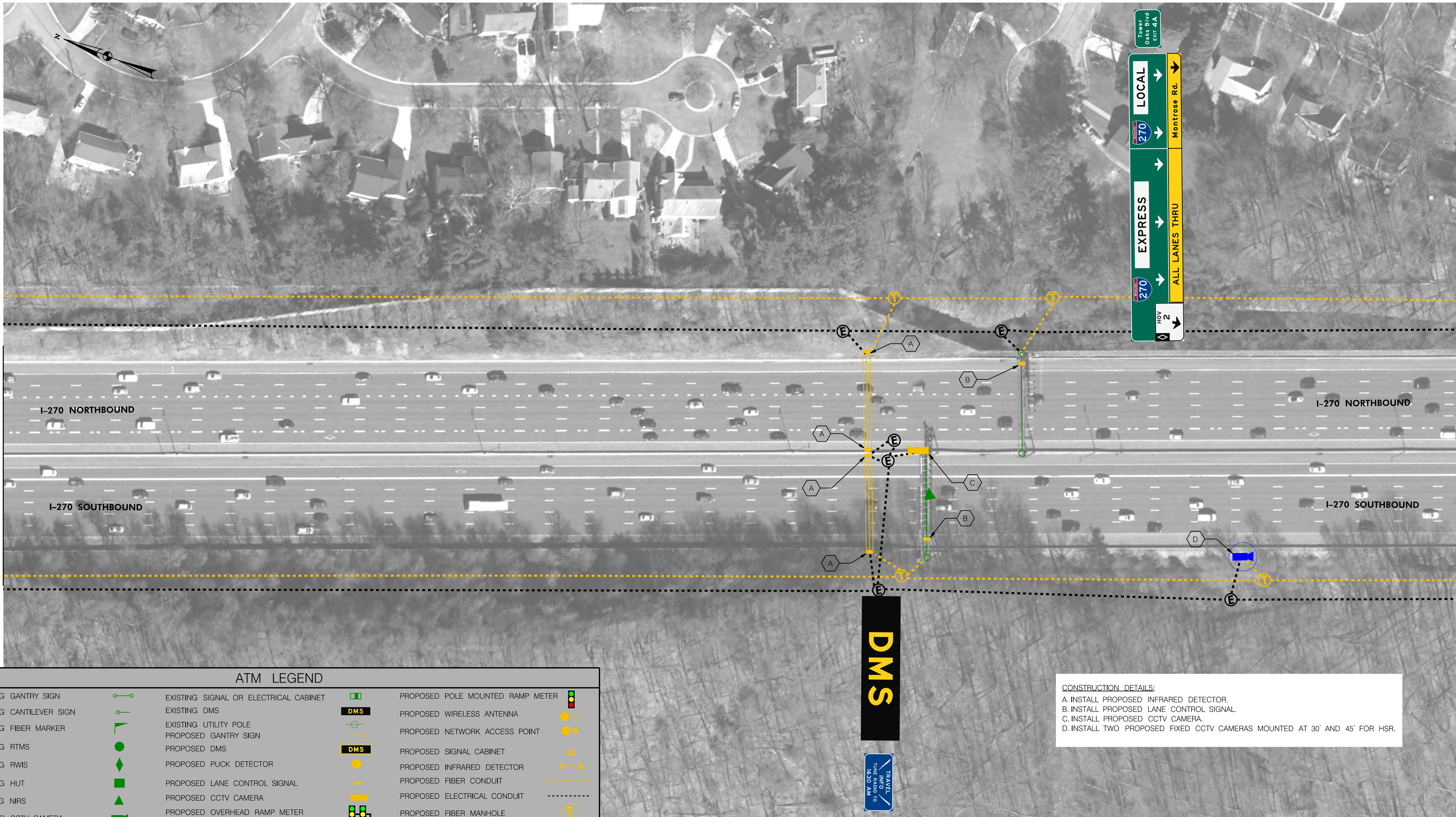
DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -



ATM LEGEND

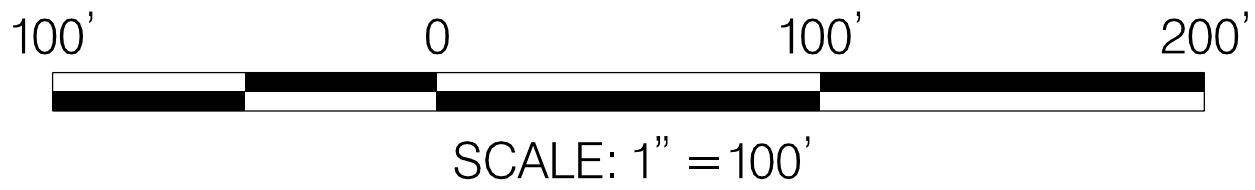
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO.CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CONSTRUCTION DETAILS:
A. INSTALL PROPOSED INFRARED DETECTOR.
B. INSTALL PROPOSED LANE CONTROL SIGNAL.
C. INSTALL PROPOSED CCTV CAMERA.
D. INSTALL TWO PROPOSED FIXED CCTV CAMERAS MOUNTED AT 30' AND 45' FOR HSR.

CORMAN
CONSTRUCTION


WSP | PARSONS
BRINCKERHOFF

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 4
I-270 – SOUTH OF MONTROSE RD.

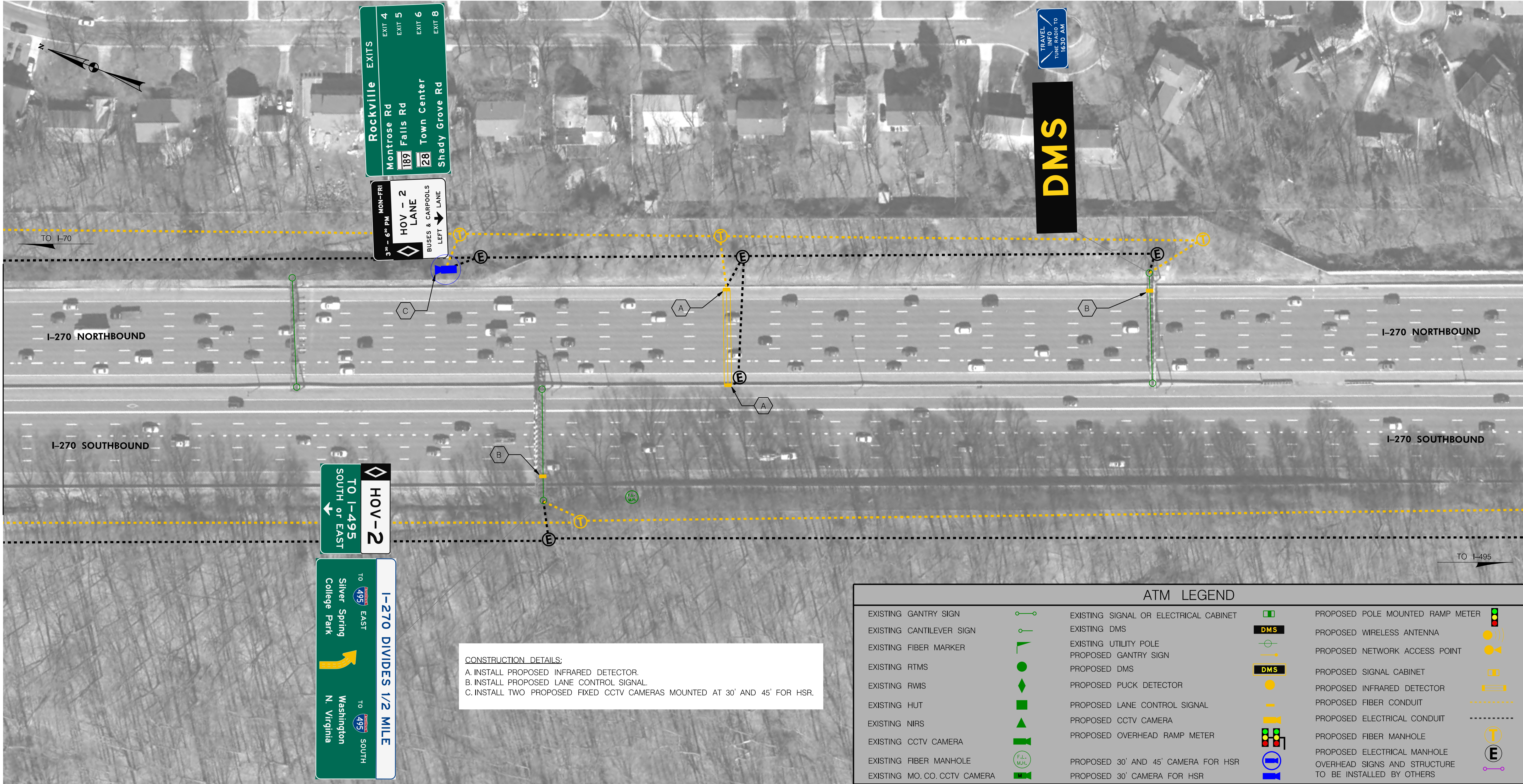
DATE: JANUARY 19, 2017MM 085 OF 108

PLOTTED: Monday, January 16, 2017 AT 08:51 PM
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BORDER REV. DATE: March 27, 2007

BY: littleton -



MATCHLINE SEE MM 085

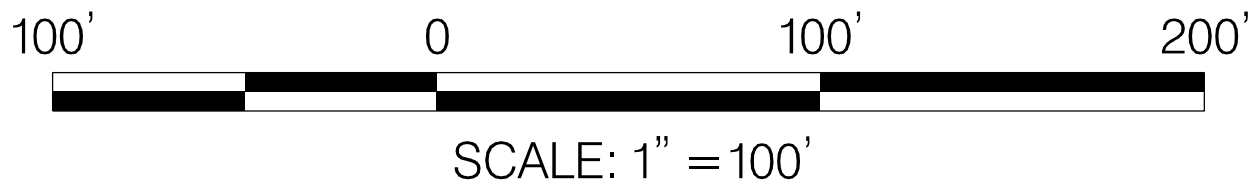
MATCHLINE SEE MM 087

ATM LEGEND			
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET	
EXISTING CANTILEVER SIGN		EXISTING DMS	
EXISTING FIBER MARKER		EXISTING UTILITY POLE	
EXISTING RTMS		PROPOSED GANTRY SIGN	
EXISTING RWIS		PROPOSED DMS	
EXISTING HUT		PROPOSED PUCK DETECTOR	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER	
EXISTING MO.CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR	
		PROPOSED 30' CAMERA FOR HSR	
		PROPOSED POLE MOUNTED RAMP METER	
		PROPOSED WIRELESS ANTENNA	
		PROPOSED NETWORK ACCESS POINT	
		PROPOSED SIGNAL CABINET	
		PROPOSED INFRARED DETECTOR	
		PROPOSED FIBER CONDUIT	
		PROPOSED ELECTRICAL CONDUIT	
		PROPOSED FIBER MANHOLE	
		PROPOSED ELECTRICAL MANHOLE	
		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	

CONSTRUCTION DETAILS:
A. INSTALL PROPOSED INFRARED DETECTOR.
B. INSTALL PROPOSED LANE CONTROL SIGNAL.
C. INSTALL TWO PROPOSED FIXED CCTV CAMERAS MOUNTED AT 30' AND 45' FOR HSR.




DRAFT PLANS



DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

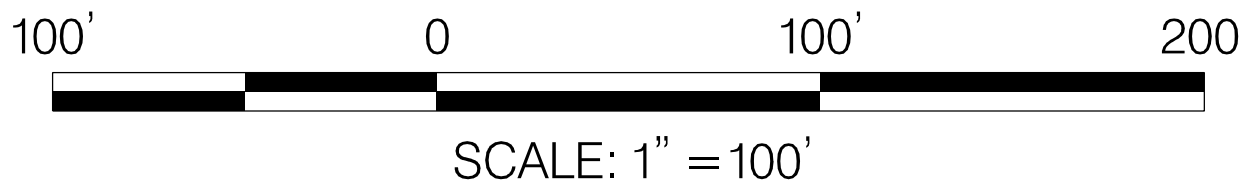
SEGMENT 5
I-270 – NORTH OF TUCKERMAN LN

DATE: JANUARY 19, 2017MM 086 OF 108

PLOTTED: Monday, January 16, 2017 AT 08:56 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p086_I270.dgn



DRAFT PLANS



DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

REVISIONS

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

**I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS**

**SEGMENT 5
I-270 - TUCKERMAN LN**

DATE: JANUARY 19, 2017 MM 087 OF 108

DRILL HOLES

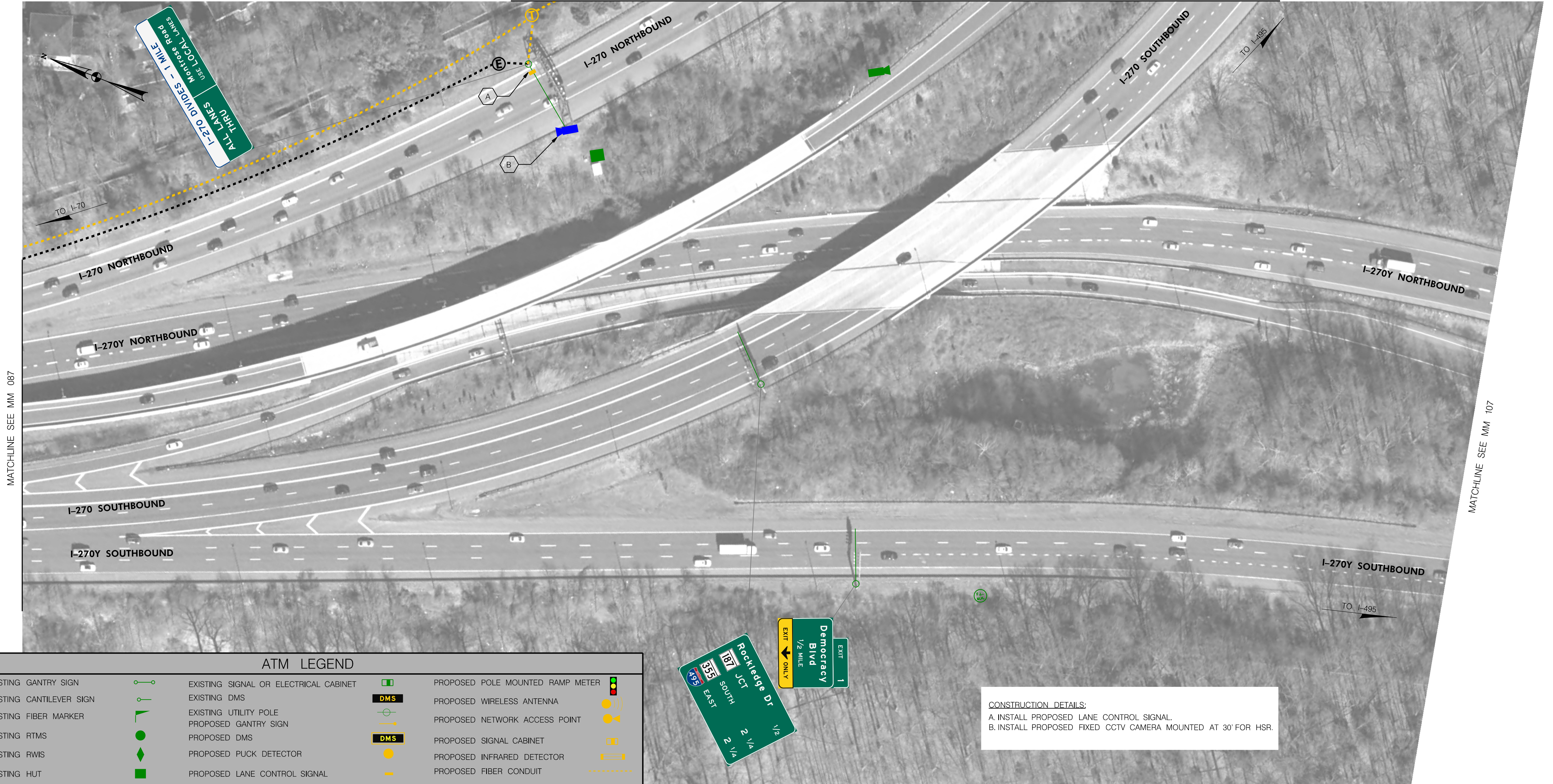
DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: roachve -

MATCHLINE SEE MM 089



ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CONSTRUCTION DETAILS:
A. INSTALL PROPOSED LANE CONTROL SIGNAL.
B. INSTALL PROPOSED FIXED CCTV CAMERA MOUNTED AT 30' FOR HSR.

CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS

100' 0 100' 200'
SCALE: 1" = 100'

DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION
I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS
SEGMENT 5
I-270 - SPUR
DATE: JANUARY 19, 2017 MM 088 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 11:10 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\pdt-P088_IS270.dgn

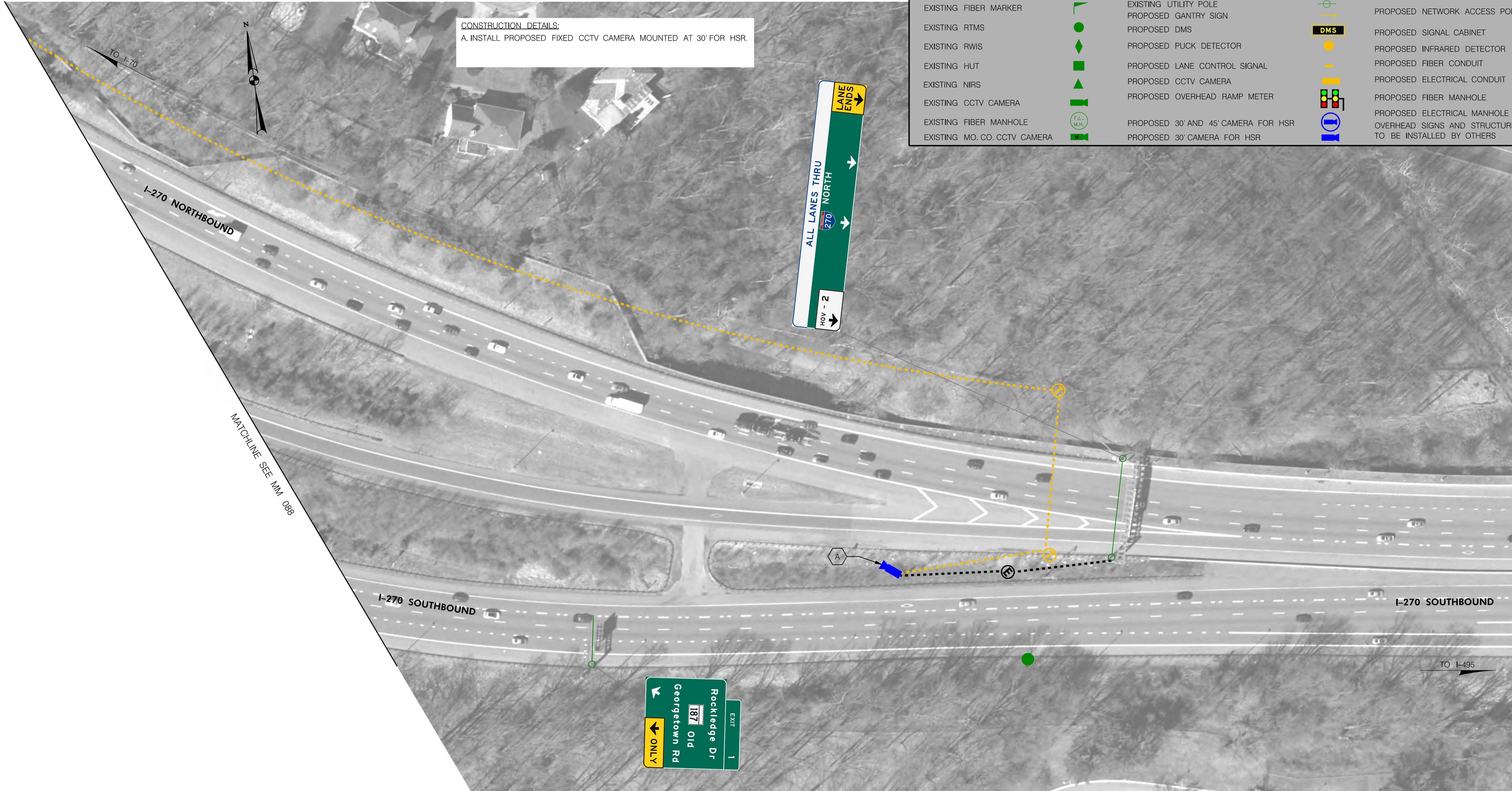
DRILL HOLES

DRILL HOLES

DRILL HOLES

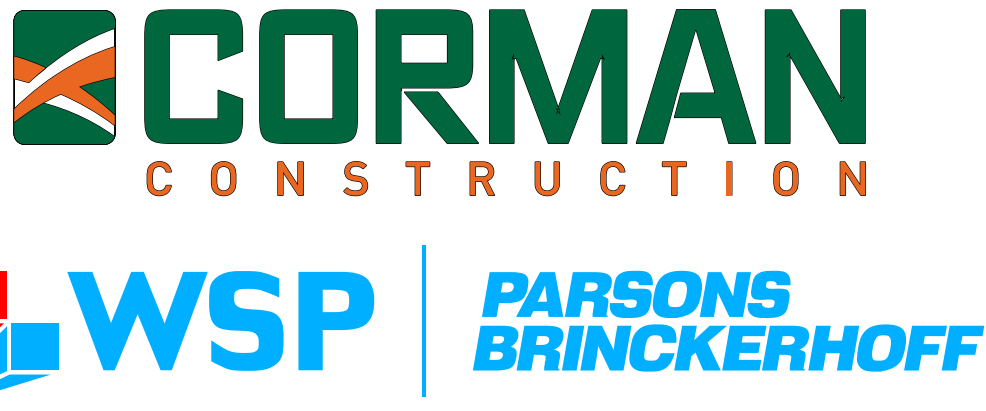
BORDER REV. DATE: March 27, 2007

BY: roachve -

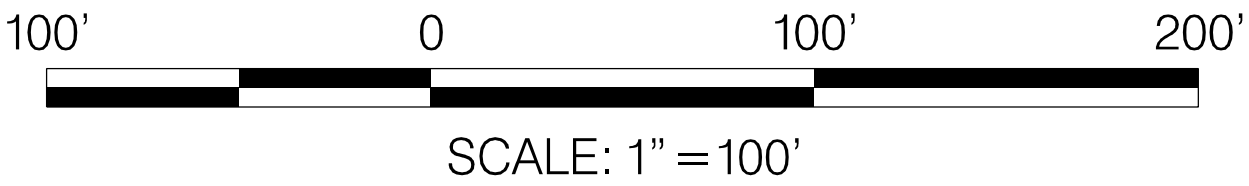


CONSTRUCTION DETAILS:
A. INSTALL PROPOSED FIXED CCTV CAMERA MOUNTED AT 30' FOR HSR.

ATM LEGEND					
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			




DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 5
I-270 – SPUR

DATE: JANUARY 19, 2017MM 089 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 11:25 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\pdf-P089_IS270.dgn

MATCHLINE SEE SHEET 113

DRILL HOLES

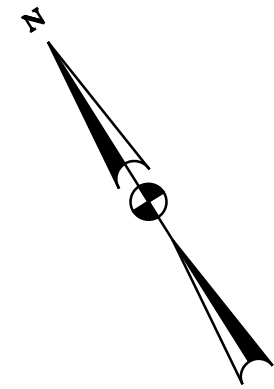
DRILL HOLES

DRILL HOLES

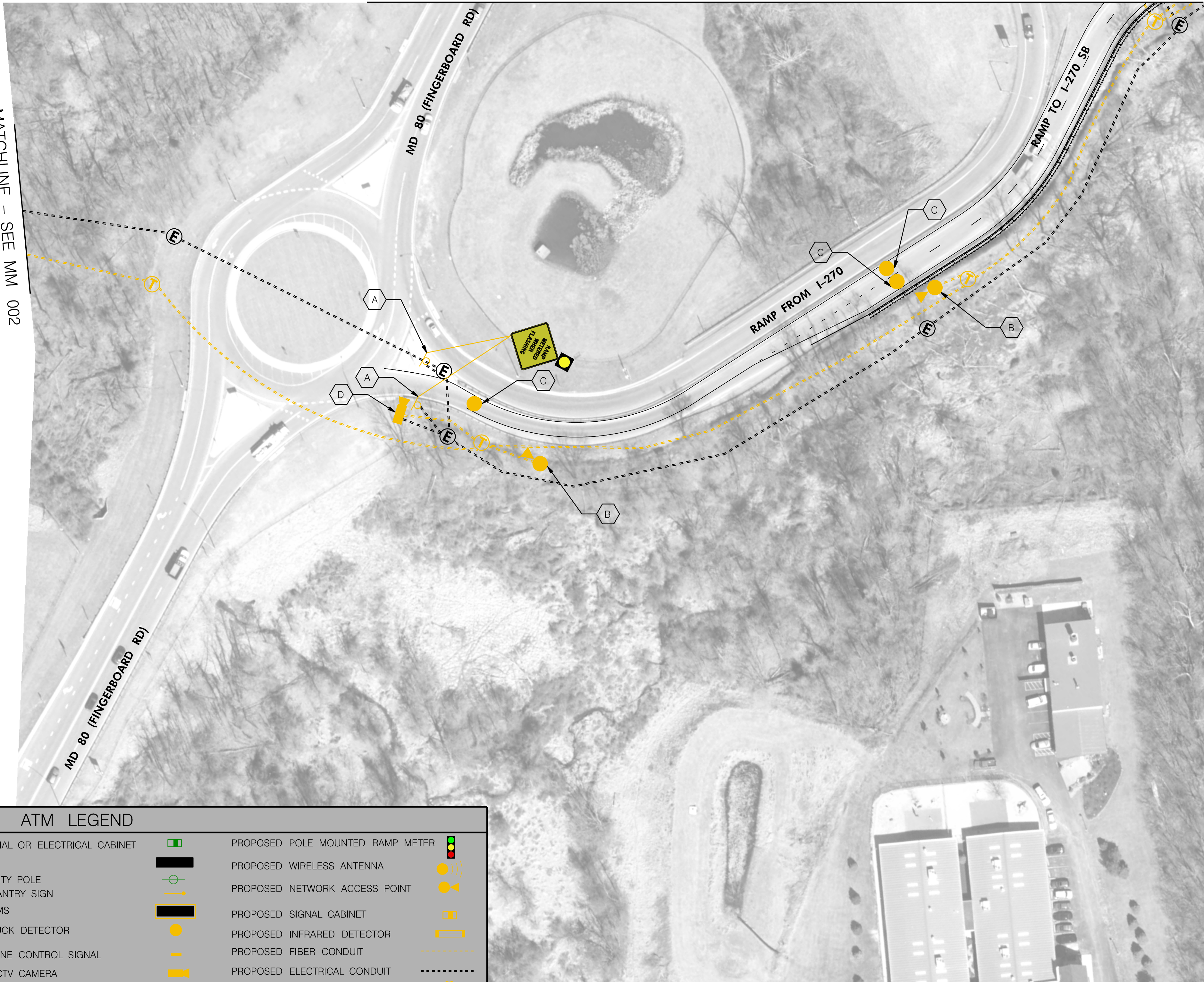
BORDER REV. DATE: March 27, 2007

BY: roachve -

MATCHLINE - SEE MM 003



MATCHLINE - SEE MM 002



CONSTRUCTION DETAILS:

- A. INSTALL PROPOSED WARNING SIGN AND FLASHER.
- B. INSTALL PROPOSED NETWORK ACCESS POINT.
- C. INSTALL PROPOSED PUCK DETECTOR.
- D. INSTALL PROPOSED CCTV CAMERA.

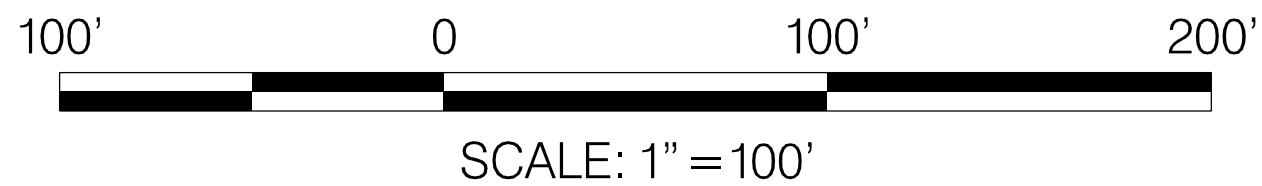
ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO.CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION INNOVATIVE CONTRACTING DIVISION	
I-270 INNOVATIVE CONGESTION MANAGEMENT MANAGED MOTORWAYS	
SEGMENT 1 I-270 - MD 80 (FINGERBOARD RD)	
DATE: JANUARY 19, 2017	MM 090 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:25 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\pdt-P090_IS270.dgn

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -

MATCHLINE – SEE MM 017



CONSTRUCTION DETAILS:
A. INSTALL PROPOSED CCTV CAMERA.
B. INSTALL PROPOSED PUCK DETECTOR.
C. INSTALL PROPOSED NETWORK ACCESS POINT.
D. INSTALL PROPOSED WARNING SIGN AND FLASHER.

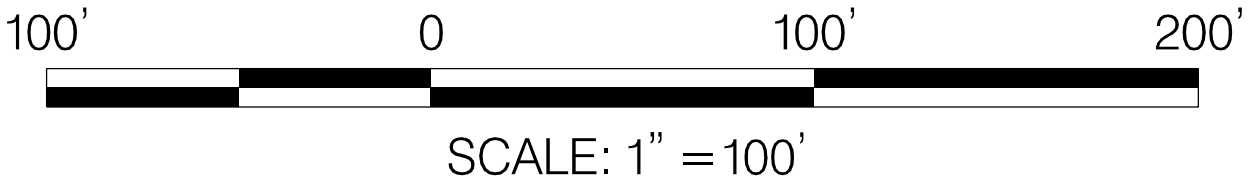
ATM LEGEND

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EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO.CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION
I-270 INNOVATIVE CONGESTION MANAGEMENT
MANAGED MOTORWAYS

SEGMENT 1
I-270 – MD 109 (OLD HUNDRED RD)

DATE: JANUARY 19, 2017

MM 091 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:15 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p091_I5270.dgn

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -



CONSTRUCTION DETAILS:
A. INSTALL PROPOSED PUCK DETECTOR.
B. INSTALL PROPOSED NETWORK ACCESS POINT.
C. INSTALL PROPOSED WARNING SIGN AND FLASHER.

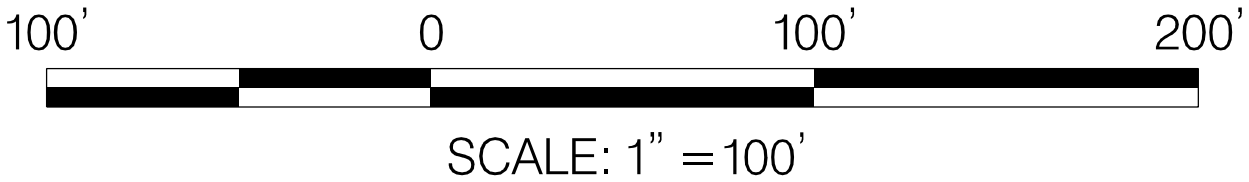
ATM LEGEND

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EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING CCTV CAMERA		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
EXISTING MO.CO.CCTV CAMERA		PROPOSED 30' CAMERA FOR HSR			

CORMAN
CONSTRUCTION


WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

 <div>STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION INNOVATIVE CONTRACTING DIVISION</div>	
I-270 INNOVATIVE CONGESTION MANAGEMENT MANAGED MOTORWAYS	
SEGMENT 1 I-270 – MD 121 (CLARKSBURG RD)	
DATE: JANUARY 19, 2017	MM 092 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:21 PM
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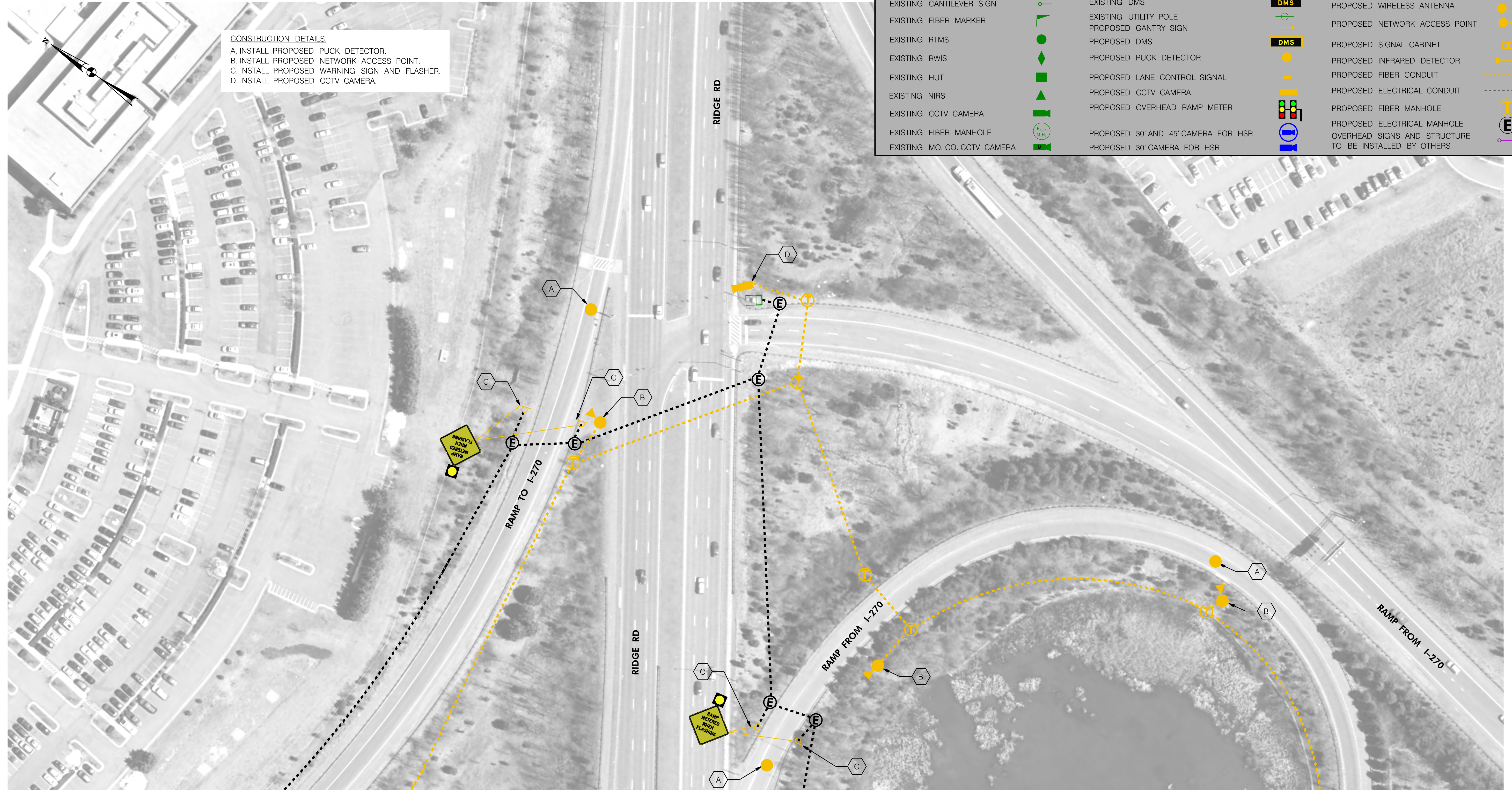
DRILL HOLES

DRILL HOLES

DRILL HOLES

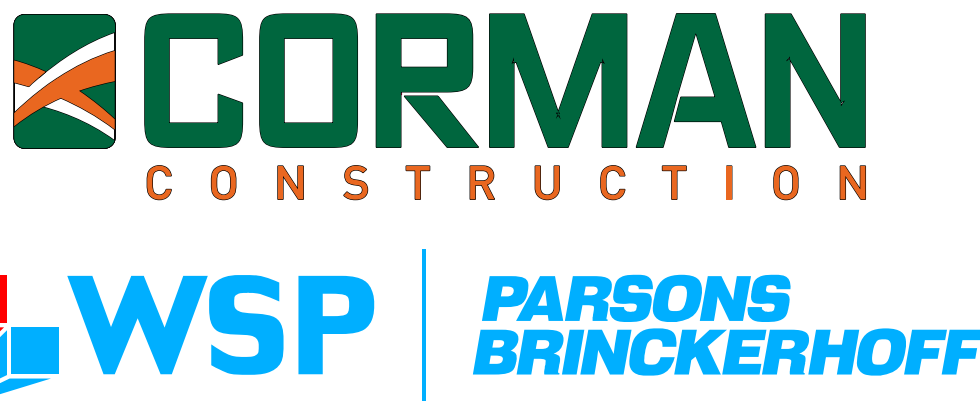
BORDER REV. DATE: March 27, 2007

BY: roachve -

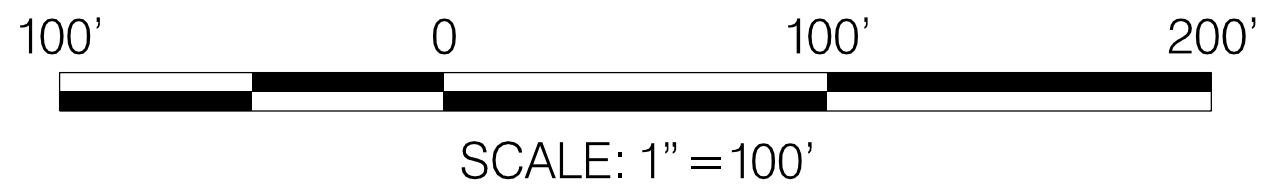


CONSTRUCTION DETAILS:
A. INSTALL PROPOSED PUCK DETECTOR.
B. INSTALL PROPOSED NETWORK ACCESS POINT.
C. INSTALL PROPOSED WARNING SIGN AND FLASHER.
D. INSTALL PROPOSED CCTV CAMERA.

ATM LEGEND			
EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET	
EXISTING CANTILEVER SIGN		EXISTING DMS	
EXISTING FIBER MARKER		EXISTING UTILITY POLE	
EXISTING RTMS		PROPOSED GANTRY SIGN	
EXISTING RWIS		PROPOSED DMS	
EXISTING HUT		PROPOSED PUCK DETECTOR	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER	
EXISTING MO. CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR	
		PROPOSED 30' CAMERA FOR HSR	
		PROPOSED POLE MOUNTED RAMP METER	
		PROPOSED WIRELESS ANTENNA	
		PROPOSED NETWORK ACCESS POINT	
		PROPOSED SIGNAL CABINET	
		PROPOSED INFRARED DETECTOR	
		PROPOSED FIBER CONDUIT	
		PROPOSED ELECTRICAL CONDUIT	
		PROPOSED FIBER MANHOLE	
		PROPOSED ELECTRICAL MANHOLE	
		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	



DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION INNOVATIVE CONTRACTING DIVISION	
I-270 INNOVATIVE CONGESTION MANAGEMENT MANAGED MOTORWAYS	
SEGMENT 3 I-270 – FATHER HURLEY BLVD	
DATE: JANUARY 19, 2017	MM 093 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:09 PM
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DRILL HOLES

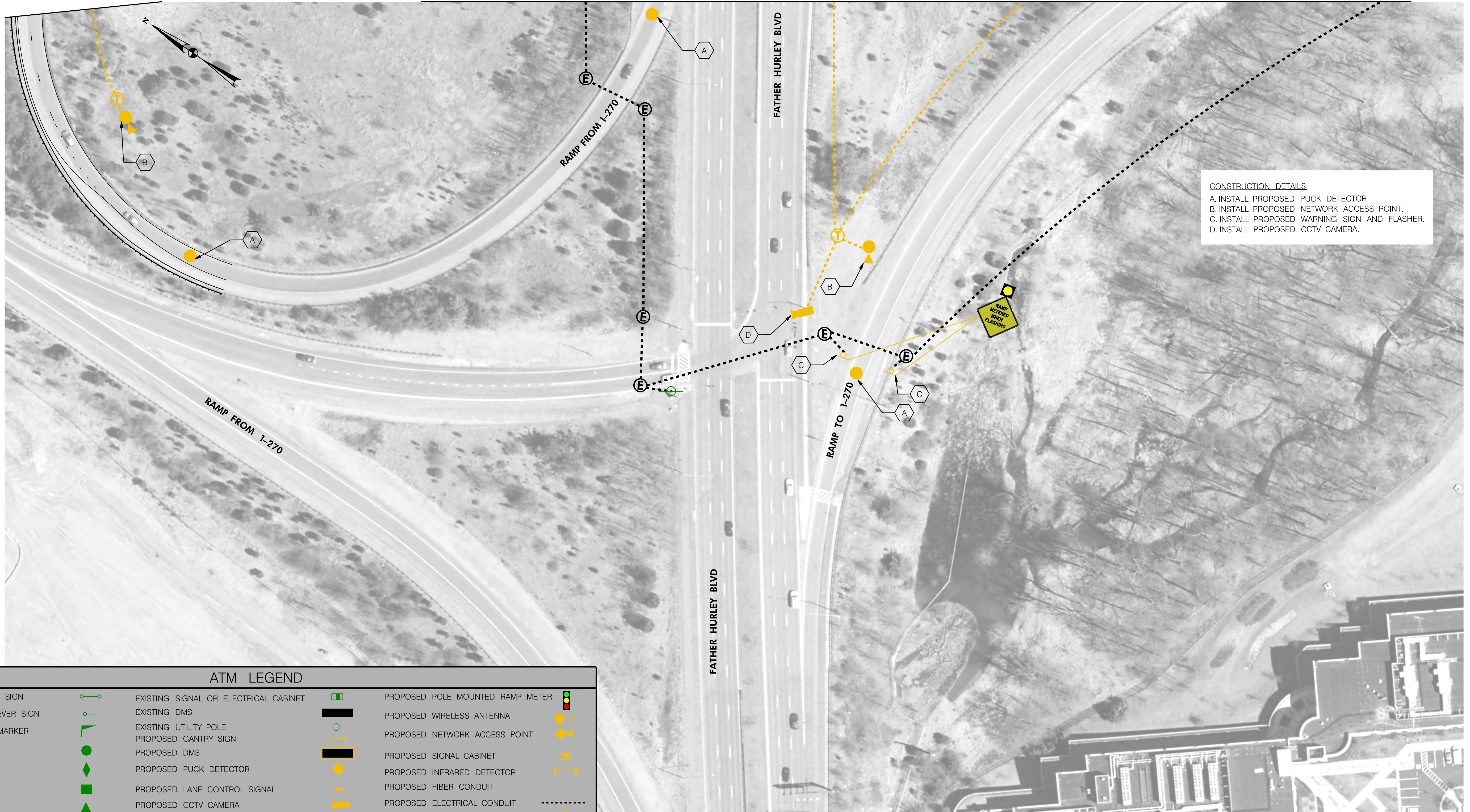
DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -

MATCHLINE - SEE MM 040



CONSTRUCTION DETAILS:
A. INSTALL PROPOSED PUCK DETECTOR.
B. INSTALL PROPOSED NETWORK ACCESS POINT.
C. INSTALL PROPOSED WARNING SIGN AND FLASHER.
D. INSTALL PROPOSED CCTV CAMERA.

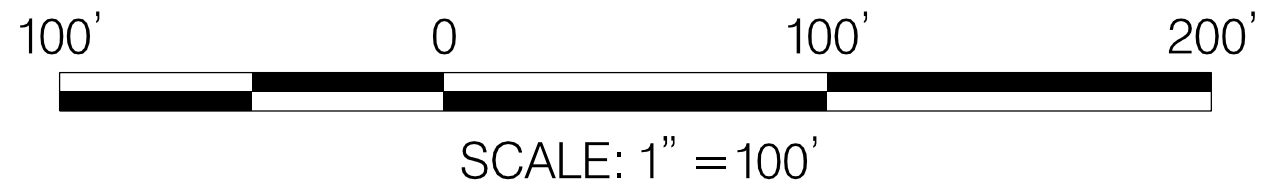
ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO.CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CORMAN
CONSTRUCTION


WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

 STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION INNOVATIVE CONTRACTING DIVISION	
I-270 INNOVATIVE CONGESTION MANAGEMENT MANAGED MOTORWAYS	
SEGMENT 3 I-270 - FATHER HURLEY BLVD	
DATE: JANUARY 19, 2017	MM 094 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:31 PM
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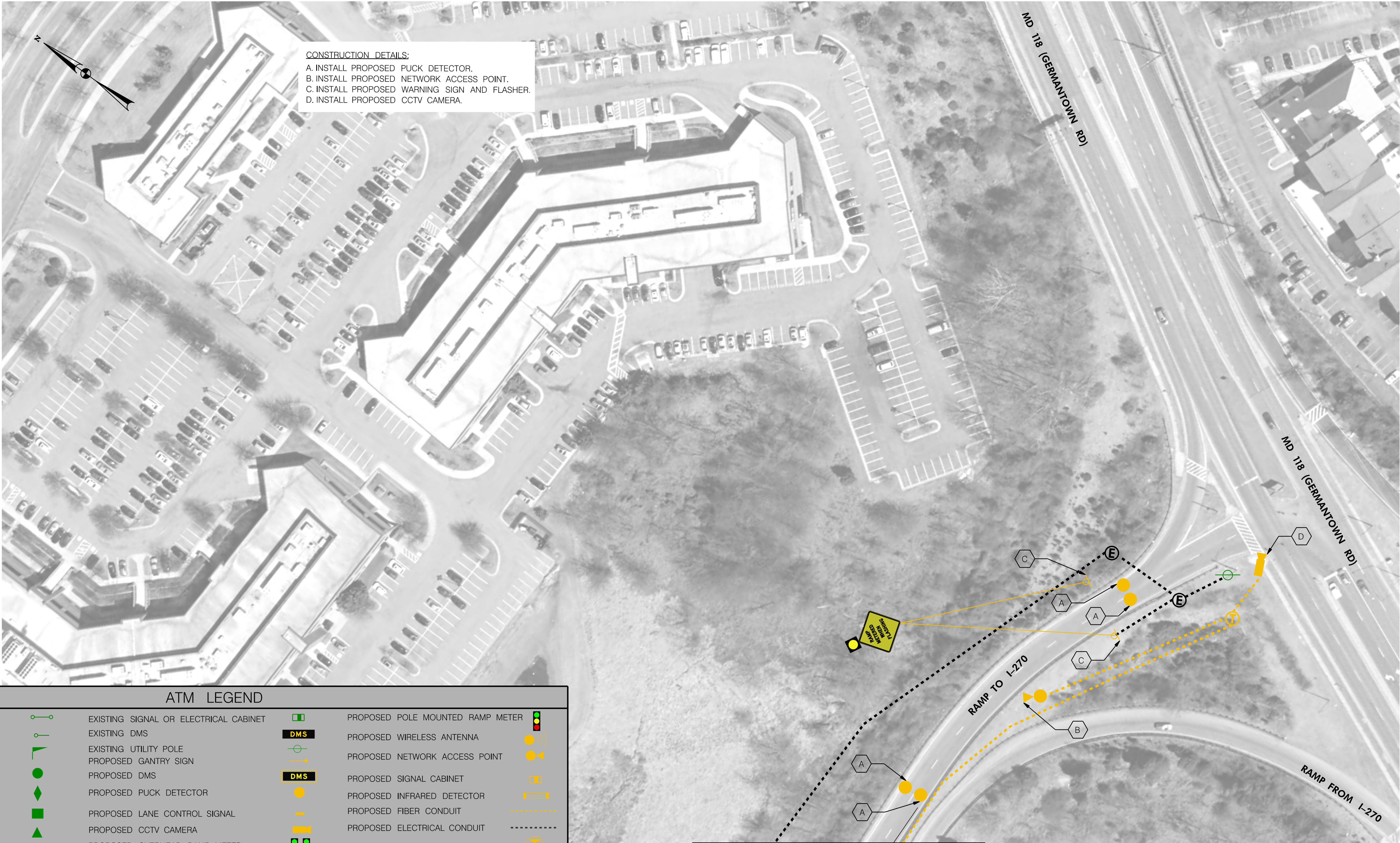
DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: roachve -



ATM LEGEND

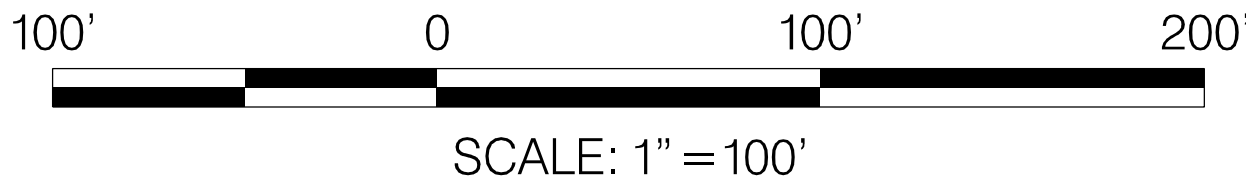
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EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

MATCHLINE – SEE MM 043

CORMAN
CONSTRUCTION


WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

 STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION INNOVATIVE CONTRACTING DIVISION	
I-270 INNOVATIVE CONGESTION MANAGEMENT MANAGED MOTORWAYS	
SEGMENT 3 I-270 – MD 118 (GERMANTOWN RD)	
DATE: JANUARY 19, 2017	MM 095 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 11:55 AM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\pdt-P095_I270.dgn

DRILL HOLES

DRILL HOLES

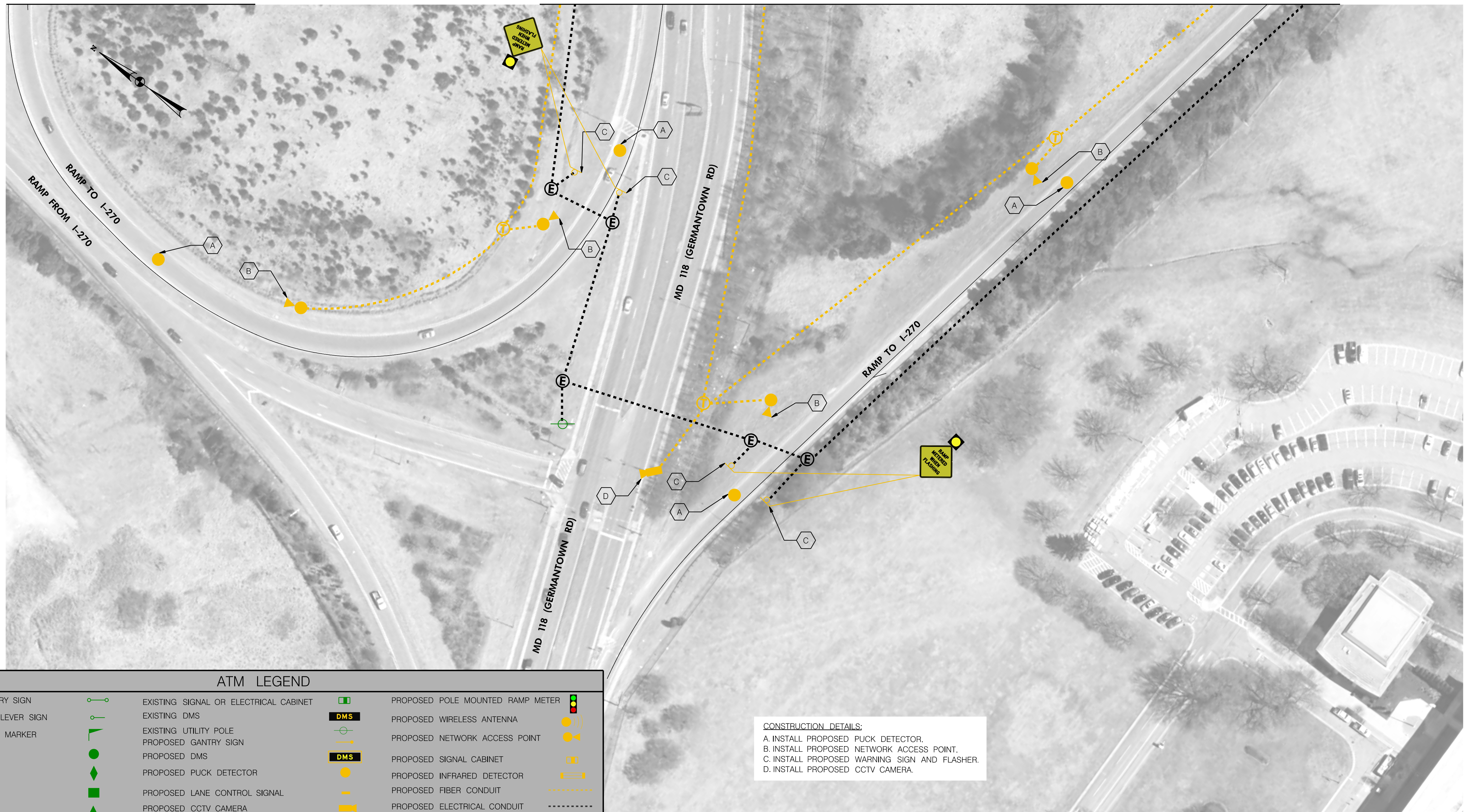
DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: roachve -

MATCHLINE - SEE MM 043

MATCHLINE - SEE MM 044



ATM LEGEND

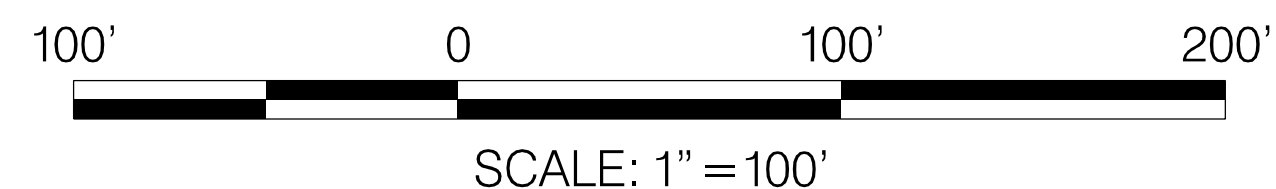
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EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED LANE CONTROL SIGNAL		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED CCTV CAMERA		PROPOSED FIBER MANHOLE	
EXISTING FIBER MANHOLE		PROPOSED OVERHEAD RAMP METER		PROPOSED ELECTRICAL MANHOLE	
EXISTING MO.CO. CCTV CAMERA		PROPOSED 30' AND 45' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	
		PROPOSED 30' CAMERA FOR HSR			

CONSTRUCTION DETAILS:
A. INSTALL PROPOSED PUCK DETECTOR.
B. INSTALL PROPOSED NETWORK ACCESS POINT.
C. INSTALL PROPOSED WARNING SIGN AND FLASHER.
D. INSTALL PROPOSED CCTV CAMERA.

CORMAN
CONSTRUCTION


WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

 STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION INNOVATIVE CONTRACTING DIVISION	
I-270 INNOVATIVE CONGESTION MANAGEMENT	
MANAGED MOTORWAYS	
SEGMENT 3 I-270 - MD 118 (GERMANTOWN RD)	
DATE: JANUARY 19, 2017	MM 096 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:42 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposals\CADD\Roll Maps\ATM\50 Scale Plans\p096_MM096_I270.dgn

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: March 27, 2007

BY: littleton -



CONSTRUCTION DETAILS:
A. INSTALL PROPOSED PUCK DETECTOR.
B. INSTALL PROPOSED NETWORK ACCESS POINT.
C. INSTALL PROPOSED WARNING SIGN AND FLASHER.
D. INSTALL PROPOSED CCTV CAMERA.

MATCHLINE - SEE MM 046

MATCHLINE - SEE MM 047

MIDDLEBROOK RD

MIDDLEBROOK RD

RAMP TO I-270

RAMP METERED HIGH FLAGGING

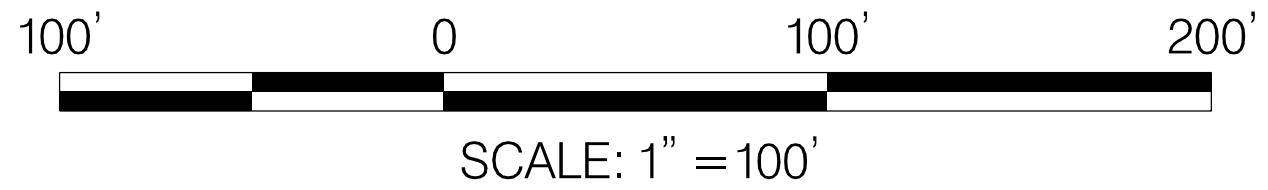
ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS		PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED GANTRY SIGN		PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED DMS		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED PUCK DETECTOR		PROPOSED FIBER CONDUIT	
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CORMAN
CONSTRUCTION

WSP | **PARSONS BRINCKERHOFF**

DRAFT PLANS



DATUM: NAD 83/91 Horizontal
NAVD 88 Vertical

REVISIONS

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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
INNOVATIVE CONTRACTING DIVISION

I-270 INNOVATIVE CONGESTION MANAGEMENT

MANAGED MOTORWAYS

SEGMENT 3
I-270 - MIDDLEBROOK RD

DATE: JANUARY 19, 2017

MM 097 OF 108

PLOTTED: Monday, January 16, 2017 AT 09:53 PM
FILE: J:\2015\0144 - I-270 ATM\Tech Proposal\CAD\RollMaps\ATM\50 Scale Plans\p097_I5270.dgn