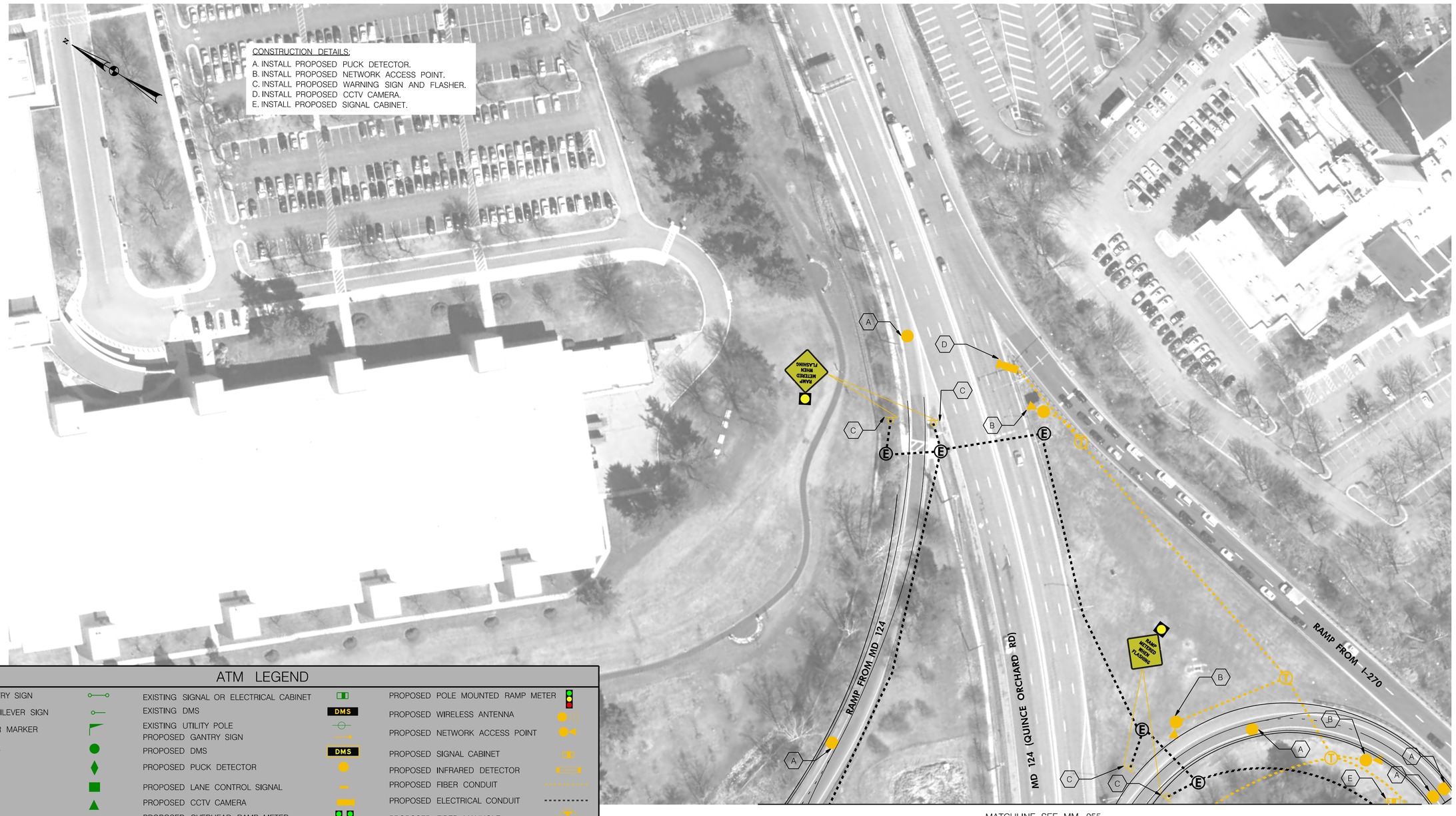
DRILL HOLES
DRILL HOLES
DRILL HOLES
BORDER REV: DATE: March 27, 2007
BY: roactive -

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.
E. INSTALL PROPOSED SIGNAL CABINET.



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

MATCHLINE SEE MM 055

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

100' 0 100' 200'

SCALE: 1" = 100'

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 4
I-270 – MD 124 (MONTGOMERY VILLAGE RD)

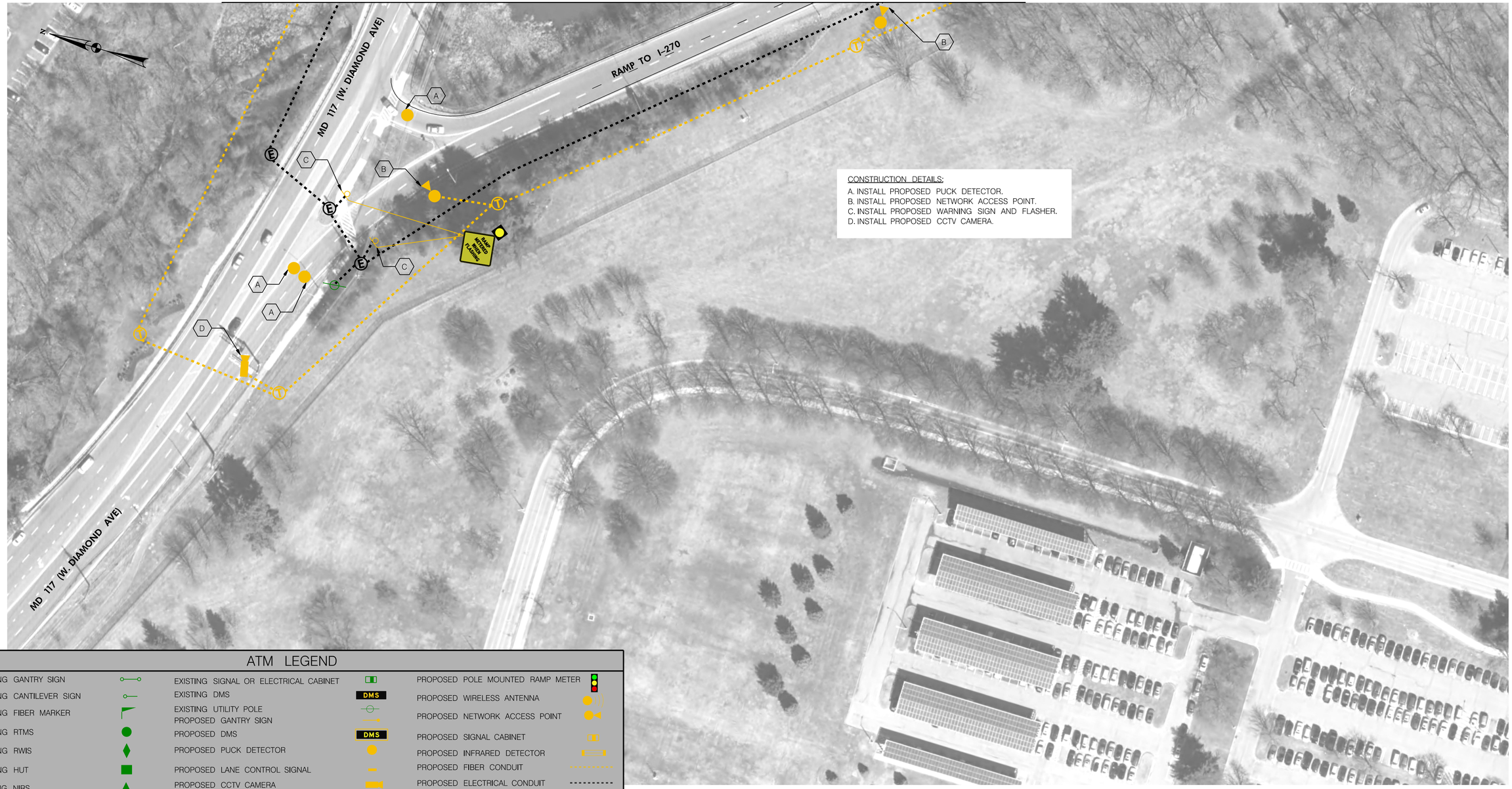
DATE: JANUARY 19, 2017

MM 098 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 12:05 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\plIT-P098_IS270.dgn

DRILL HOLES
DRILL HOLES
DRILL HOLES
BORDER REV: DATE: March 27, 2007
BY: littleton –

MATCHLINE SEE MM 058



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

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

100' 0 100' 200'

SCALE: 1" = 100'

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 117 (W. DIAMOND AVE)

DATE: JANUARY 19, 2017

MM 099 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 04:31 PM
FILE: J:\i201510144 – I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\plT-P099_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 GANTRY SIGN	PROPOSED NETWORK ACCESS POINT
EXISTING RTMS	PROPOSED DMS	PROPOSED SIGNAL CABINET
EXISTING RWIS	PROPOSED PUCK DETECTOR	PROPOSED INFRARED DETECTOR
EXISTING HUT	PROPOSED LANE CONTROL SIGNAL	PROPOSED FIBER CONDUIT
EXISTING NIRS	PROPOSED CCTV CAMERA	PROPOSED ELECTRICAL CONDUIT
EXISTING CCTV CAMERA	PROPOSED OVERHEAD RAMP METER	PROPOSED FIBER MANHOLE
EXISTING FIBER MANHOLE	PROPOSED 30' AND 45' CAMERA FOR HSR	PROPOSED ELECTRICAL MANHOLE
EXISTING MO. CO. CCTV CAMERA	PROPOSED 30' CAMERA FOR HSR	OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS

MATCHLINE A – SEE THIS SHEET

MATCHLINE A – SEE THIS SHEET

I-370 WESTBOUND

I-370 EASTBOUND

RAMP TO I-270 NB

RAMP TO I-370 EB

RAMP TO I-370 WB

RAMP TO I-370 WB

I-370 WESTBOUND

I-370 EASTBOUND

RAMP TO I-270 NB

RAMP FROM I-270 NB

RAMP METERED WHEN FLASHING

DMS

CONSTRUCTION DETAILS:

A. INSTALL PROPOSED NETWORK ACCESS POINT.
B. INSTALL PROPOSED PUCK DETECTOR.
C. INSTALL PROPOSED WARNING SIGN AND FLASHER.
D. INSTALL PROPOSED RAMP METER SIGNAL HEADS (ONE PER LANE) AND DMS ON MAST ARM.
E. INSTALL PROPOSED RAMP METERING CABINET.

MATCHLINE SEE MM 063

MATCHLINE SEE MM 064

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

100' 0 100' 200'

SCALE: 1" = 100'

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 4
I-270 – I-370

DATE: JANUARY 19, 2017

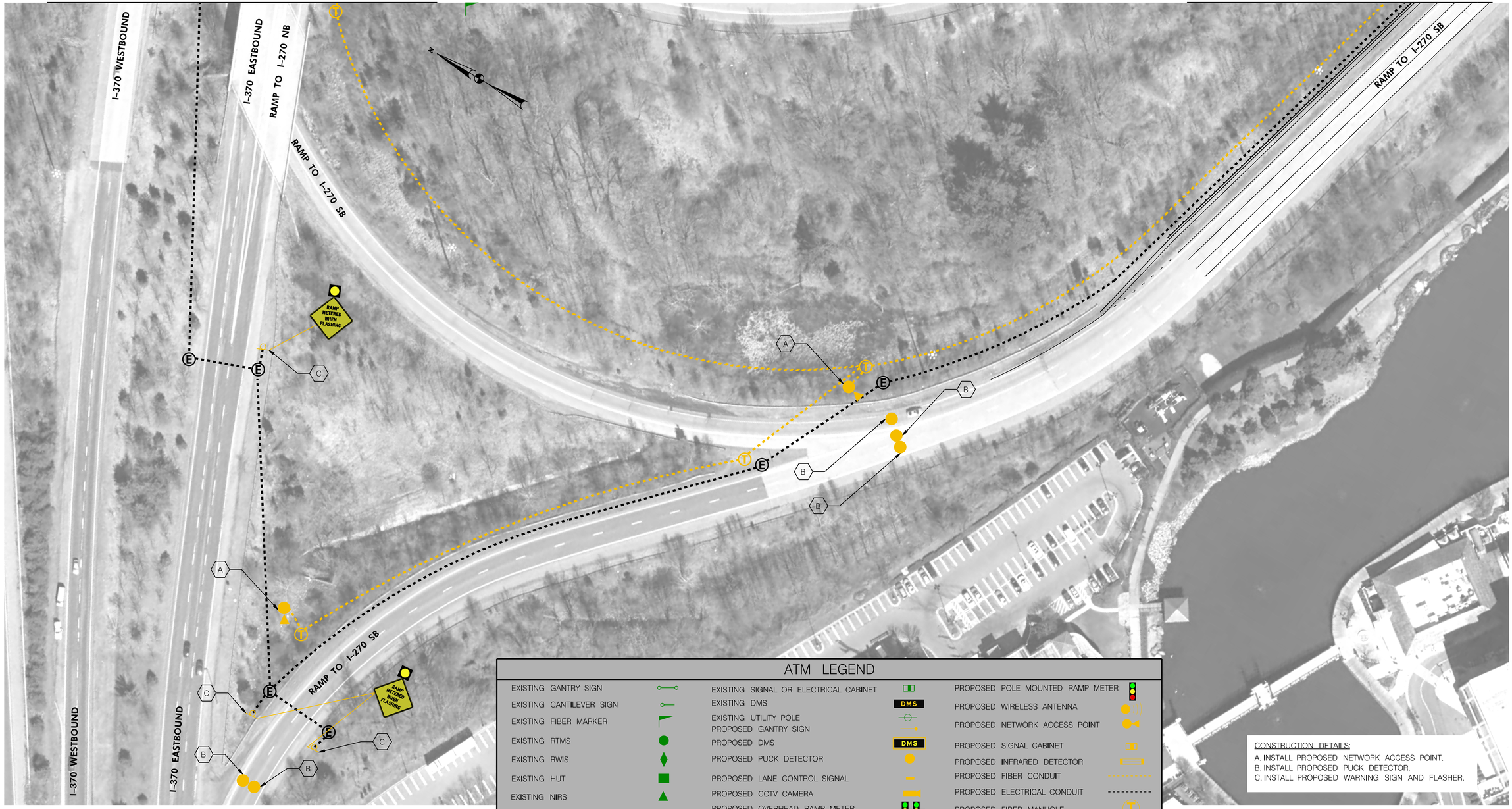
MM 100 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 05:50 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\RollMaps\ATM\50 Scale Plans\plT-P100_IS270.dgn

DRILL HOLES
DRILL HOLES
DRILL HOLES
BORDER REV: DATE: March 27, 2007

MATCHLINE SEE MM 063

MATCHLINE SEE MM 064



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

CONSTRUCTION DETAILS:

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

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

100' 0 100' 200'

SCALE: 1" = 100'

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 4
I-270 – I-370

DATE: JANUARY 19, 2017

MM 101 OF 108

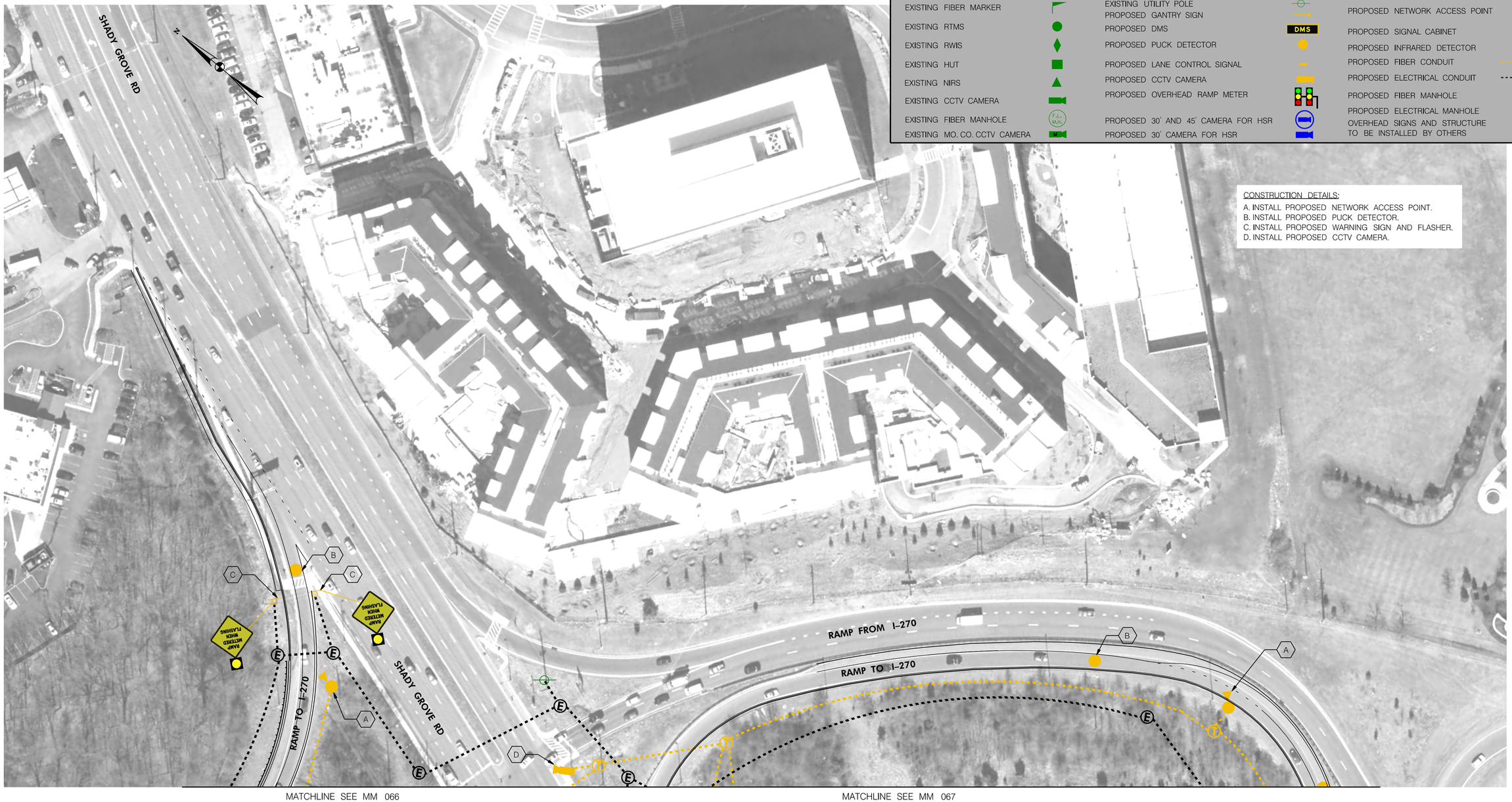
BY: littleton –

PLOTTED: Tuesday, January 17, 2017 AT 10:35 AM
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DRILL HOLES
BORDER REV: DATE: March 27, 2007
DRILL HOLES
DRILL HOLES
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 GANTRY SIGN	PROPOSED NETWORK ACCESS POINT
EXISTING RTMS	PROPOSED DMS	PROPOSED SIGNAL CABINET
EXISTING RWIS	PROPOSED PUCK DETECTOR	PROPOSED INFRARED DETECTOR
EXISTING HUT	PROPOSED LANE CONTROL SIGNAL	PROPOSED FIBER CONDUIT
EXISTING NIRS	PROPOSED CCTV CAMERA	PROPOSED ELECTRICAL CONDUIT
EXISTING CCTV CAMERA	PROPOSED OVERHEAD RAMP METER	PROPOSED FIBER MANHOLE
EXISTING FIBER MANHOLE	PROPOSED 30' AND 45' CAMERA FOR HSR	PROPOSED ELECTRICAL MANHOLE
EXISTING MO. CO. CCTV CAMERA	PROPOSED 30' CAMERA FOR HSR	OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS



CONSTRUCTION DETAILS:

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

MATCHLINE SEE MM 066

MATCHLINE SEE MM 067

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

100' 0 100' 200'

SCALE: 1" = 100'

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 4
I-270 – SHADY GROVE RD

DATE: JANUARY 19, 2017

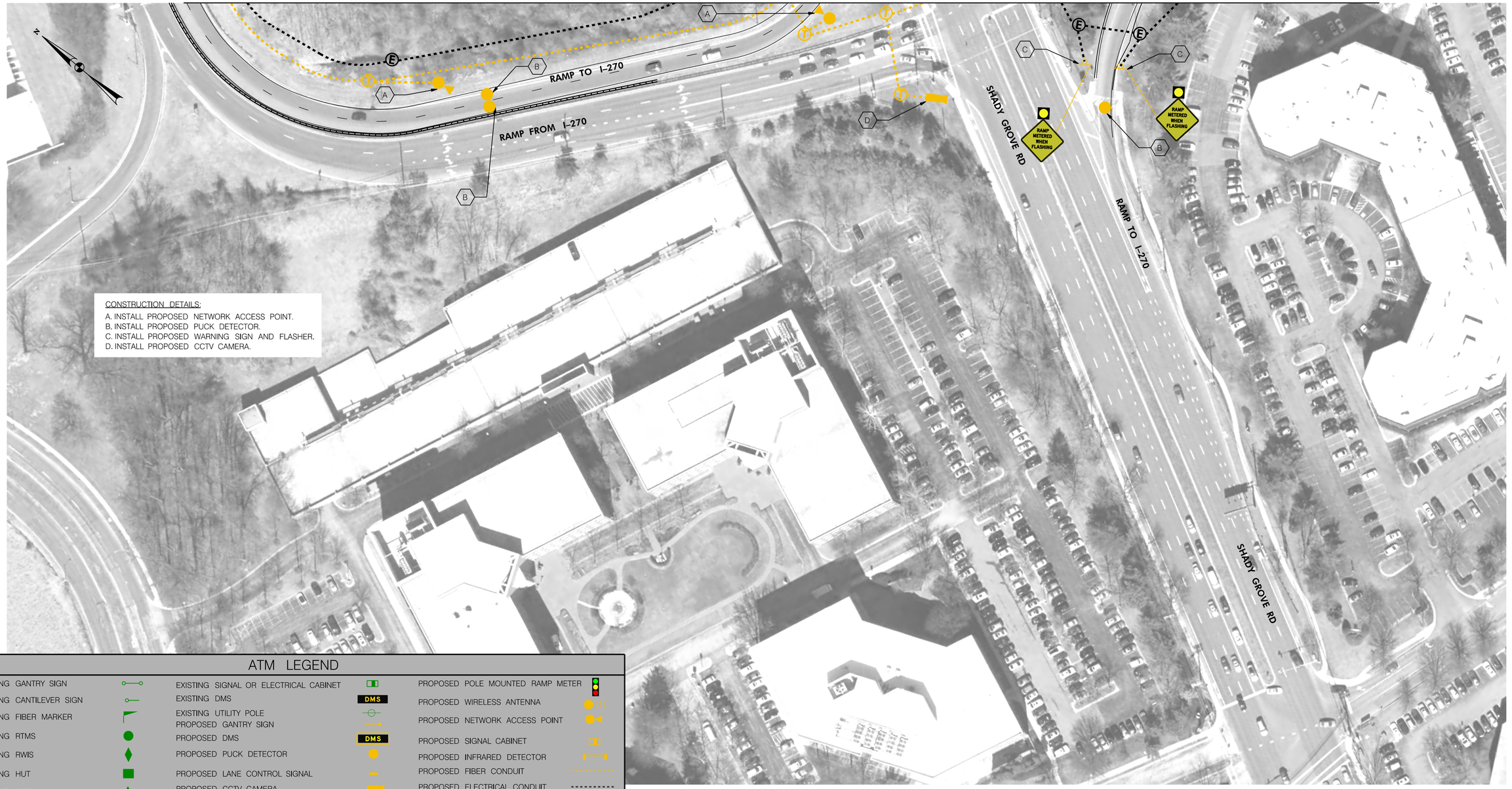
MM 102 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 05:56 PM
FILE: J:\2015\10144 – I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\plT-P102_IS270.dgn

DRILL HOLES
DRILL HOLES
DRILL HOLES
BORDER REV: DATE: March 27, 2007

MATCHLINE SEE MM 066

MATCHLINE SEE MM 067



CONSTRUCTION DETAILS:

A. INSTALL PROPOSED NETWORK ACCESS POINT.
B. INSTALL PROPOSED PUCK DETECTOR.
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

100' 0 100' 200'

SCALE: 1" = 100'

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 4
I-270 – SHADY GROVE RD

DATE: JANUARY 19, 2017

MM 103 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 05:59 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\plT-P103_IS270.dgn

BY: littleton –

DRILL HOLES

DRILL HOLES

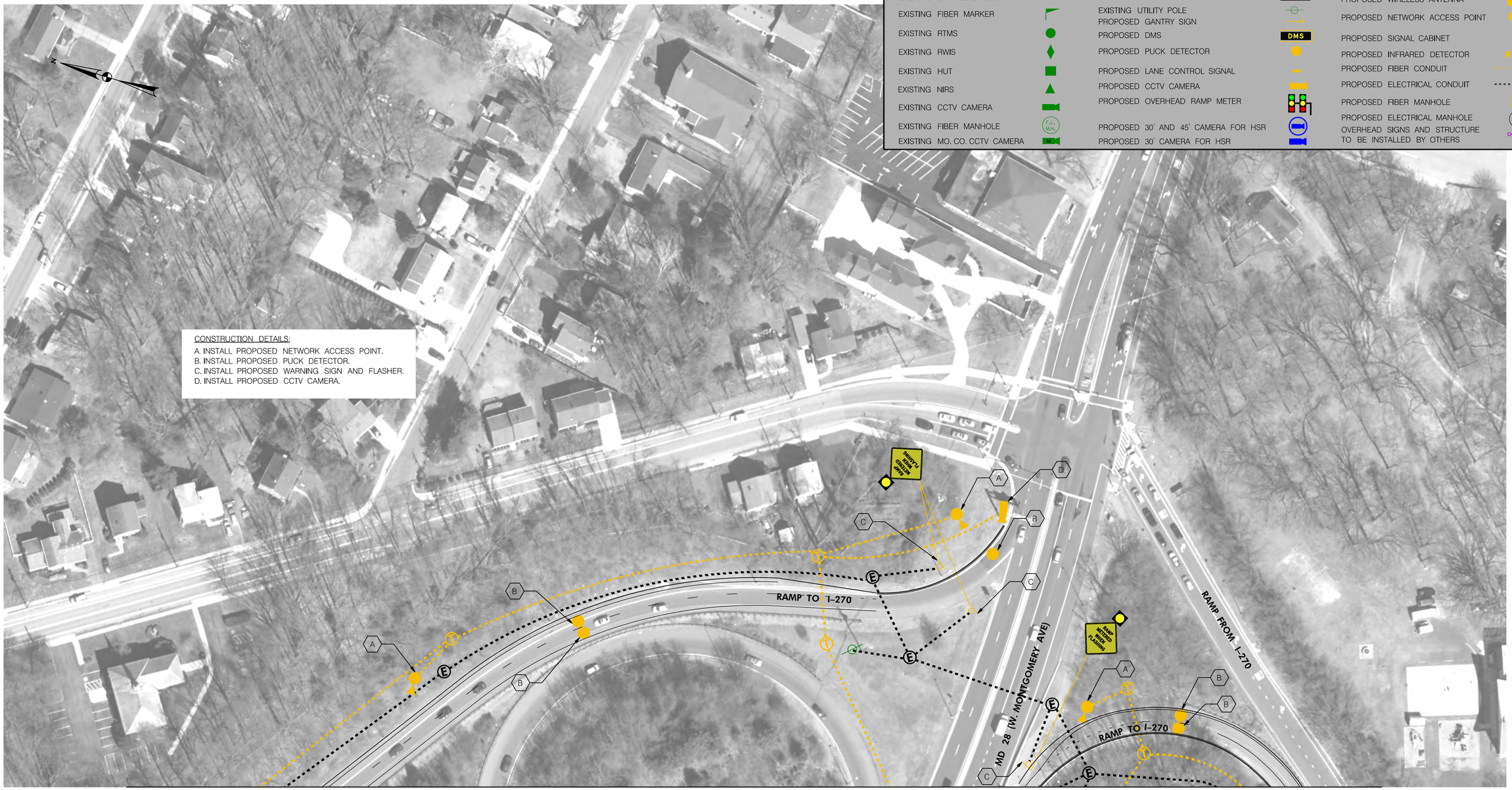
DRILL HOLES

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	DMS	PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE PROPOSED GANTRY SIGN		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED DMS	DMS	PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED PUCK DETECTOR		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED LANE CONTROL SIGNAL		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED CCTV CAMERA		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED OVERHEAD RAMP METER		PROPOSED FIBER MANHOLE	T
EXISTING FIBER MANHOLE	F.O. MAN.	PROPOSED 30' AND 45' CAMERA FOR HSR		PROPOSED ELECTRICAL MANHOLE	E
EXISTING MO. CO. CCTV CAMERA	M	PROPOSED 30' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	



MATCHLINE SEE MM 073

MATCHLINE SEE MM 074

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 4
I–270 – MD 28 (W. MONTGOMERY AVE)

DATE: JANUARY 19, 2017

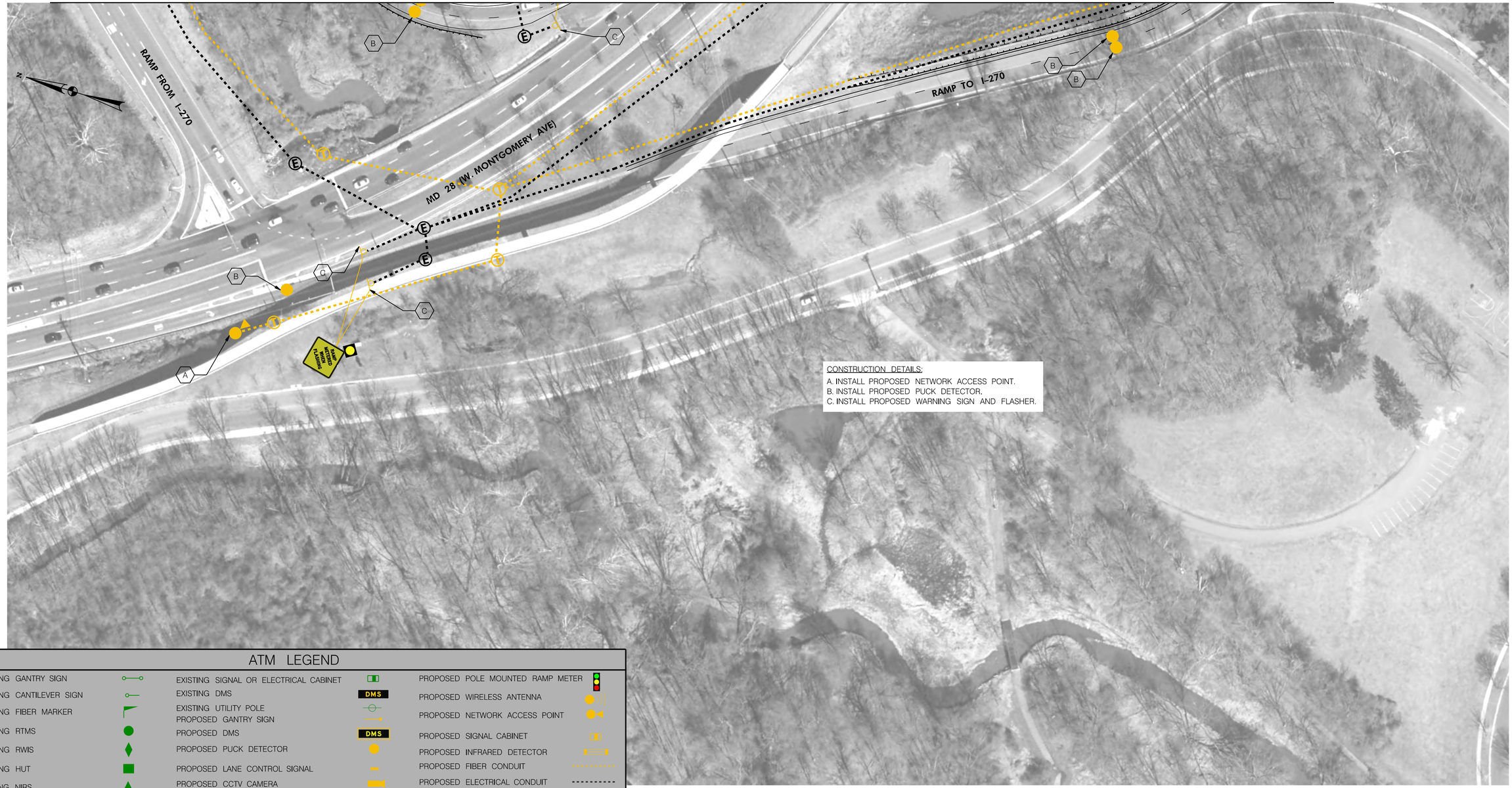
MM 104 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 03:30 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\plT-P104_IS270.dgn

DRILL HOLES
DRILL HOLES
DRILL HOLES
BORDER REV: DATE: March 27, 2007

MATCHLINE SEE MM 073

MATCHLINE SEE MM 074



CONSTRUCTION DETAILS:

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

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

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

100' 0 100' 200'

SCALE: 1" = 100'

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 4
I-270 – MD 28 (W. MONTGOMERY AVE)

DATE: JANUARY 19, 2017

MM 105 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 03:42 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\plT-P105_JS270.dgn

BY: littleton –

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



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

MATCHLINE SEE MM 077

CORMAN CONSTRUCTION
WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

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

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 106 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 06:02 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\Roll Maps\ATM\50 Scale Plans\plT-PT06_IS270.dgn

DRILL HOLES

BORDER REV: DATE: March 27, 2007

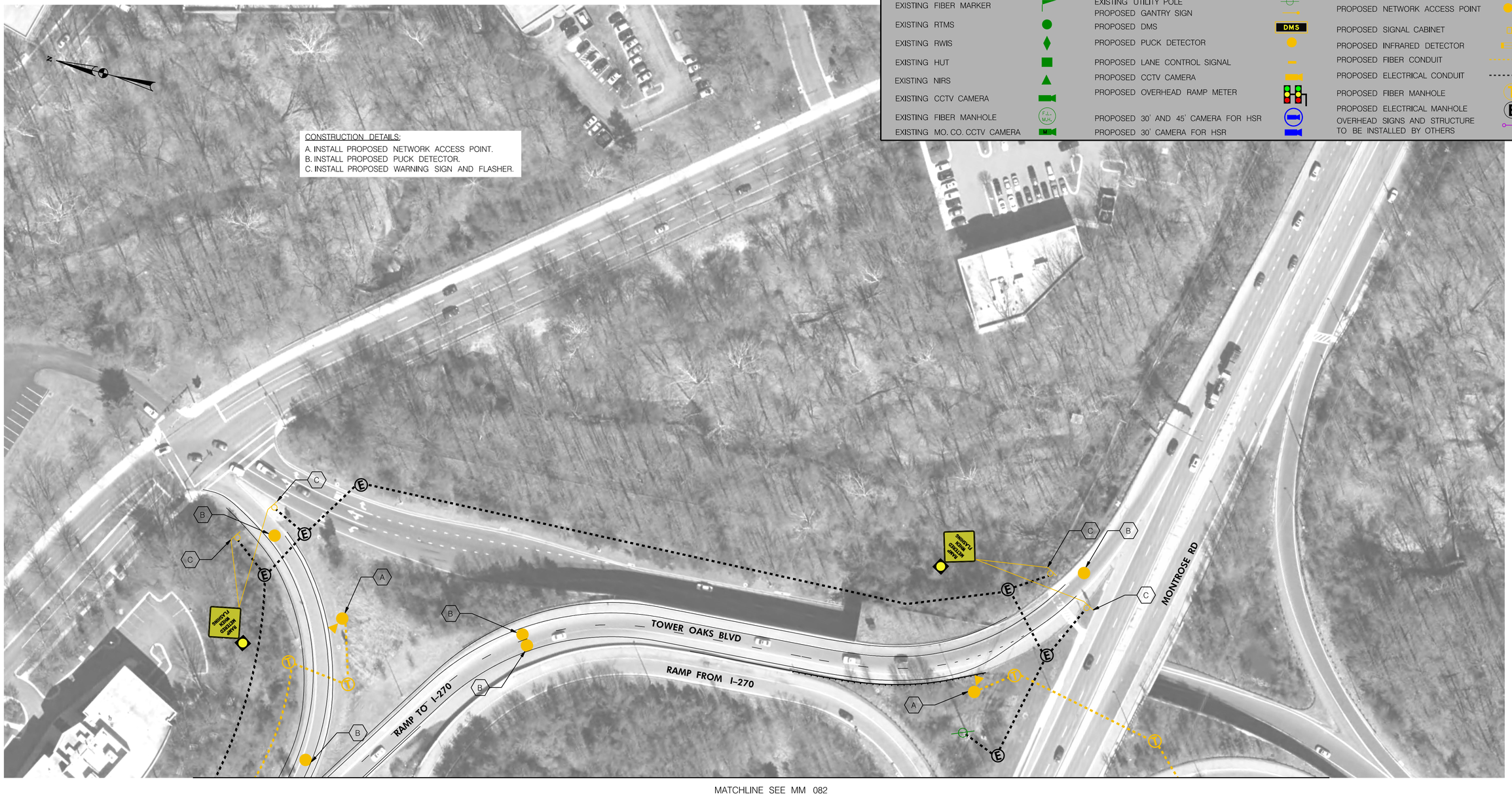
DRILL HOLES

DRILL HOLES

BY: littleton –

ATM LEGEND

EXISTING GANTRY SIGN		EXISTING SIGNAL OR ELECTRICAL CABINET		PROPOSED POLE MOUNTED RAMP METER	
EXISTING CANTILEVER SIGN		EXISTING DMS	DMS	PROPOSED WIRELESS ANTENNA	
EXISTING FIBER MARKER		EXISTING UTILITY POLE PROPOSED GANTRY SIGN		PROPOSED NETWORK ACCESS POINT	
EXISTING RTMS		PROPOSED DMS	DMS	PROPOSED SIGNAL CABINET	
EXISTING RWIS		PROPOSED PUCK DETECTOR		PROPOSED INFRARED DETECTOR	
EXISTING HUT		PROPOSED LANE CONTROL SIGNAL		PROPOSED FIBER CONDUIT	
EXISTING NIRS		PROPOSED CCTV CAMERA		PROPOSED ELECTRICAL CONDUIT	
EXISTING CCTV CAMERA		PROPOSED OVERHEAD RAMP METER		PROPOSED FIBER MANHOLE	T
EXISTING FIBER MANHOLE	F.O. M.H.	PROPOSED 30' AND 45' CAMERA FOR HSR		PROPOSED ELECTRICAL MANHOLE	E
EXISTING MO. CO. CCTV CAMERA	M	PROPOSED 30' CAMERA FOR HSR		OVERHEAD SIGNS AND STRUCTURE TO BE INSTALLED BY OTHERS	



MATCHLINE SEE MM 082

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

DRAFT PLANS

100' 0 100' 200'

SCALE: 1" = 100'

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 – MONTROSE RD

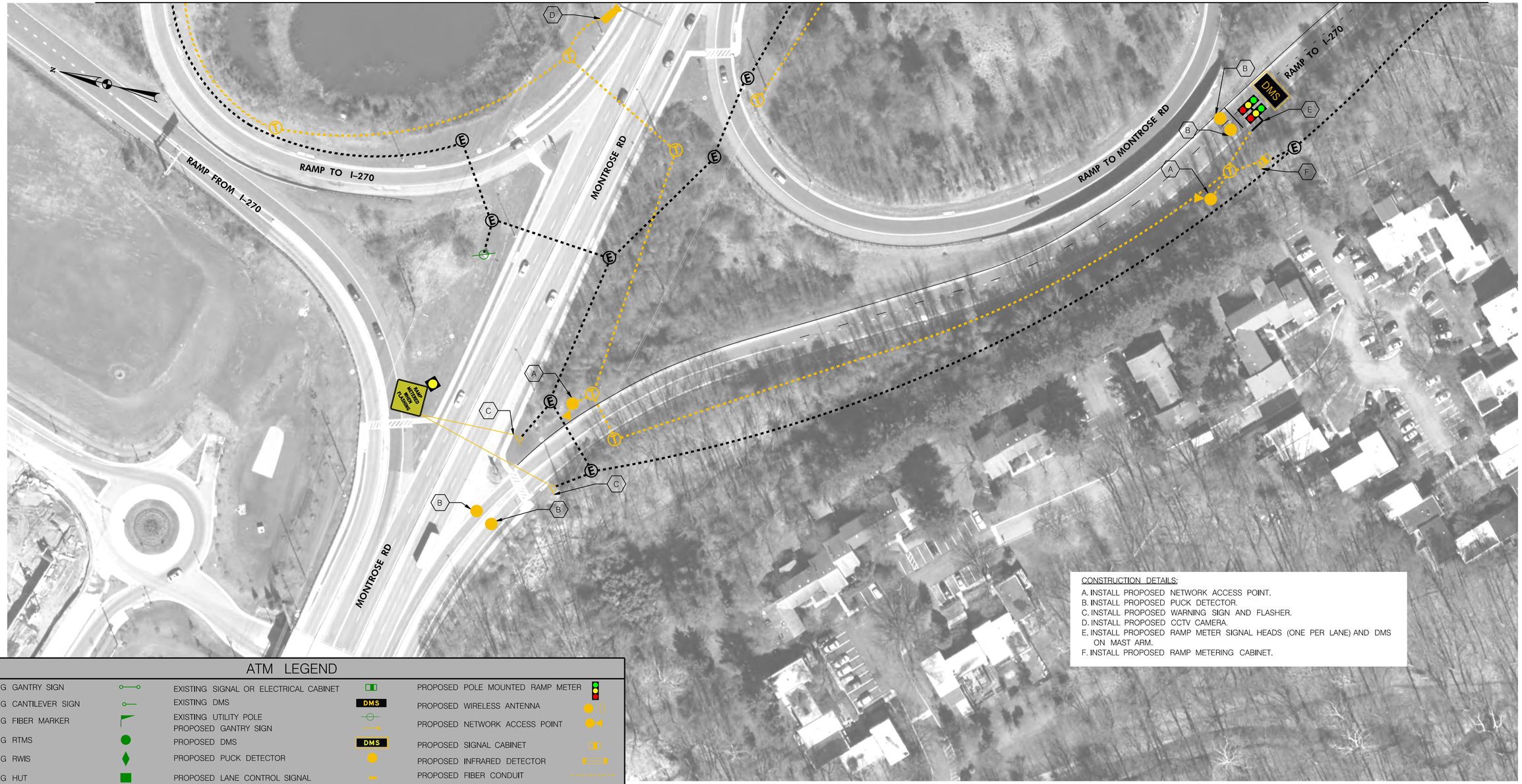
DATE: JANUARY 19, 2017

MM 107 OF 108

PLOTTED: Tuesday, January 17, 2017 AT 06:04 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\RollMaps\ATM\50 Scale Plans\plT-P107_IS270.dgn

DRILL HOLES
BORDER REV: DATE: March 27, 2007
DRILL HOLES
DRILL HOLES

MATCHLINE SEE MM 082



CONSTRUCTION DETAILS:

A. INSTALL PROPOSED NETWORK ACCESS POINT.
B. INSTALL PROPOSED PUCK DETECTOR.
C. INSTALL PROPOSED WARNING SIGN AND FLASHER.
D. INSTALL PROPOSED CCTV CAMERA.
E. INSTALL PROPOSED RAMP METER SIGNAL HEADS (ONE PER LANE) AND DMS ON MAST ARM.
F. INSTALL PROPOSED RAMP METERING CABINET.

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

100' 0 100' 200'

SCALE: 1" = 100'

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 4
I-270 – MONTROSE RD

DATE: JANUARY 19, 2017

MM 108 OF 108

BY: littleton –

PLOTTED: Tuesday, January 17, 2017 AT 06:07 PM
FILE: J:\201510144 – I-270 ATM\Tech Proposal\CADD\RollMaps\ATM\50 Scale Plans\plT-P108_IS270.dgn



BORING DATA					
NO.	LOCATION	NORTHING	EASTING	BIT. CONCR. DEPTH (IN.)	STONE BASE (IN.)
SB-32	NB I-270 MAINLINE LEFT SHOULDER	544,525.37	1,246,011.35	13.2	16.8

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

LEGEND

- FULL DEPTH RECONSTRUCTION
- WEDGE/LEVEL & RESURFACING
- WATKINS MILL INTERCHANGE ROADWAY DESIGN (BY OTHERS)
- PROPOSED WATKINS MILL ITS EQUIPMENT
- PAVEMENT MARKINGS
- W-BEAM TRAFFIC BARRIER
- CONCRETE BARRIER
- EXISTING GRATE INLET (ADJUST OR REPLACE)
- EXISTING MANHOLE COVER (ADJUST OR REPLACE)

UTILITY CONFLICTS

- NONE ANTICIPATED
- POSSIBLE
- PROBABLE

DRAFT PLANS

50' 0 50' 100'
SCALE: 1" = 100'

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

REVISIONS

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

IS-270 INNOVATIVE CONGESTION MANAGEMENT

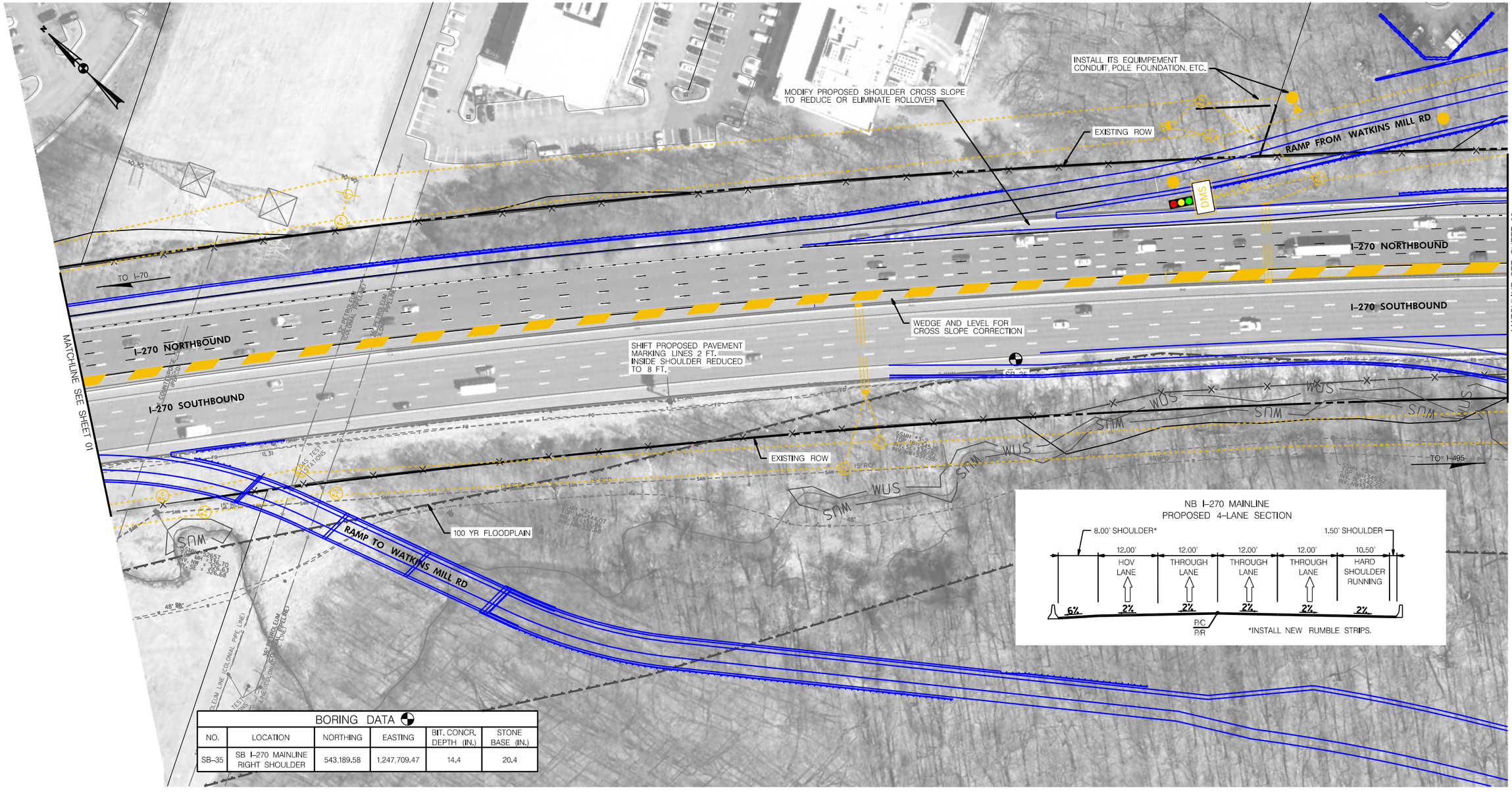
WATKINS MILL INTERCHANGE

IS-270 AT WATKINS MILL RD
PROPOSED INTERCHANGE MODIFICATION

DATE: JANUARY 19, 2017

WM 01 OF 04

PLOTTED: Wednesday, January 18, 2017 AT 08:44 AM
FILE: J:\20130144 – I-270 ATM\Tech Proposal\Concepts\Watkins Mill\gHD-P001_WatkinsMill.dgn



BORING DATA

NO.	LOCATION	NORTHING	EASTING	BIT. CONCR. DEPTH (IN.)	STONE BASE (IN.)
SB-35	SB I-270 MAINLINE RIGHT SHOULDER	543,189.58	1,247,709.47	14.4	20.4

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

LEGEND

- FULL DEPTH RECONSTRUCTION
- WEDGE/LEVEL & RESURFACING
- WATKINS MILL INTERCHANGE ROADWAY DESIGN (BY OTHERS)
- PROPOSED WATKINS MILL ITS EQUIPMENT
- PAVEMENT MARKINGS
- W-BEAM TRAFFIC BARRIER
- CONCRETE BARRIER
- EXISTING GRATE INLET (ADJUST OR REPLACE)
- EXISTING MANHOLE COVER (ADJUST OR REPLACE)

UTILITY CONFLICTS

- NONE ANTICIPATED
- POSSIBLE
- PROBABLE

DRAFT PLANS

50' 0 50' 100'
SCALE: 1" = 100'

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

REVISIONS

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

IS-270 INNOVATIVE CONGESTION MANAGEMENT

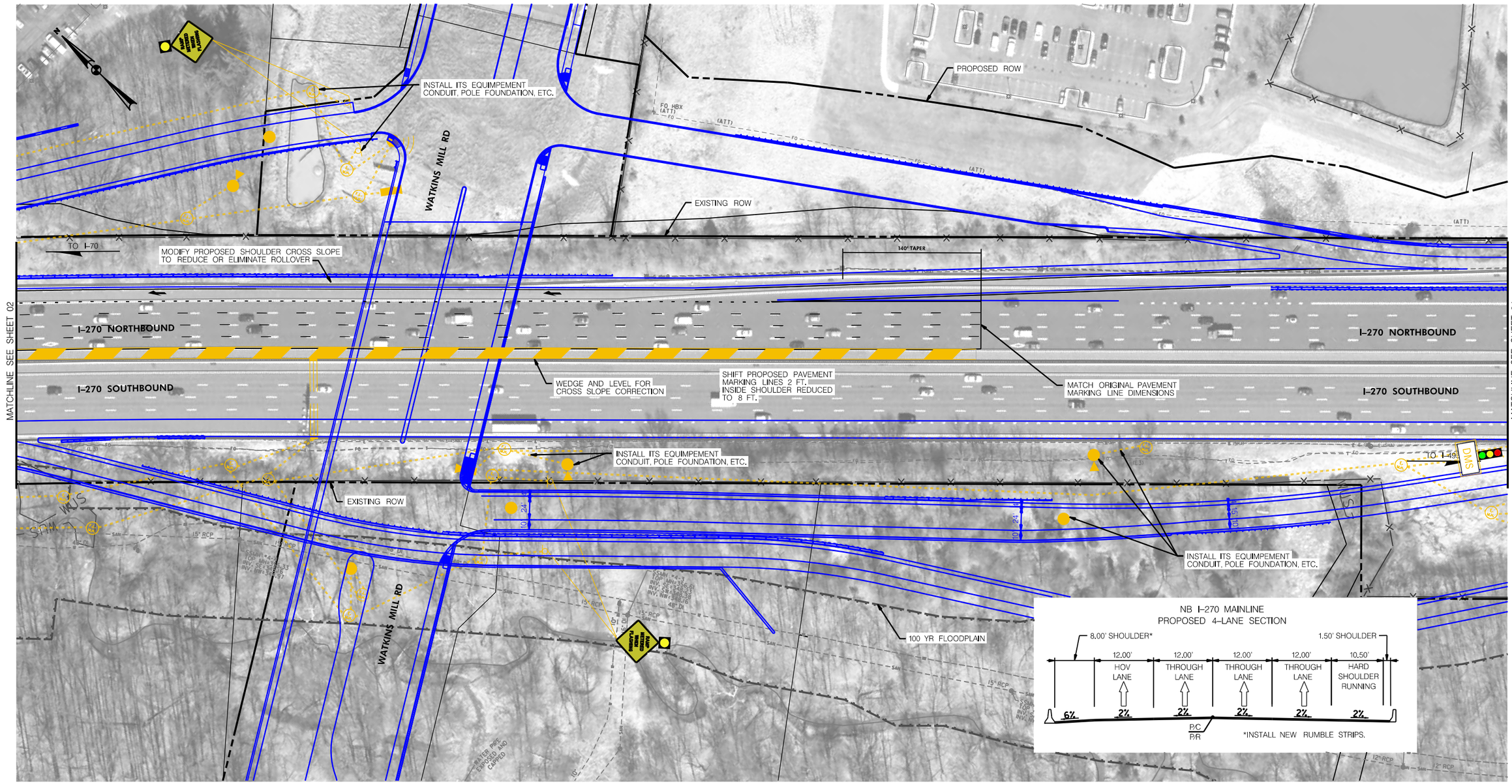
WATKINS MILL INTERCHANGE

IS-270 AT WATKINS MILL RD
PROPOSED INTERCHANGE MODIFICATION

DATE: JANUARY 19, 2017

WM 02 OF 04

PLOTTED: Wednesday, January 18, 2017 AT 08:48 AM
FILE: J:\2015\2144 – I-270 ATM\Tech Proposal\Concepts\Watkins Mill\pHD-P002_WatkinsMill.dgn



CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

LEGEND

- FULL DEPTH RECONSTRUCTION
- WEDGE/LEVEL & RESURFACING
- WATKINS MILL INTERCHANGE ROADWAY DESIGN (BY OTHERS)
- PROPOSED WATKINS MILL ITS EQUIPMENT
- PAVEMENT MARKINGS
- W-BEAM TRAFFIC BARRIER
- CONCRETE BARRIER
- EXISTING GRATE INLET (ADJUST OR REPLACE)
- EXISTING MANHOLE COVER (ADJUST OR REPLACE)

UTILITY CONFLICTS

- NONE ANTICIPATED
- POSSIBLE
- PROBABLE

DRAFT PLANS

50' 0 50' 100'
SCALE: 1" = 100'

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

REVISIONS

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

IS-270 INNOVATIVE CONGESTION MANAGEMENT

WATKINS MILL INTERCHANGE

IS-270 AT WATKINS MILL RD
PROPOSED INTERCHANGE MODIFICATION

DATE: JANUARY 19, 2017

WM 03 OF 04

PLOTTED: Wednesday, January 18, 2017 AT 08:52 AM
FILE: J:\2015\2144 – I-270 ATM\Tech Proposal\Concepts\Watkins Mill\pHD-P003_WatkinsMill.dgn

MATCHLINE SEE SHEET 04

TO I–70

MODIFY PROPOSED SHOULDER CROSS SLOPE TO REDUCE OR ELIMINATE ROLLOVER

PROPOSED ROW

EXISTING ROW

SB–05

I–270 NORTHBOUND

I–270 SOUTHBOUND

INSTALL ITS EQUIMPEMENT CONDUIT, POLE FOUNDATION, ETC.

EXISTING ROW

100 YR FLOODPLAIN

RAMP TO MD 124

I–270 NORTHBOUND

I–270 SOUTHBOUND

TO I–495

BORING DATA

NO.	LOCATION	NORTHING	EASTING	BIT. CONCR. DEPTH (IN.)	STONE BASE (IN.)
SB–05	NB I–270 MAINLINE RIGHT SHOULDER	541,513.60	1,249,586.22	8.4	12.0

CORMAN CONSTRUCTION

WSP | PARSONS BRINCKERHOFF

LEGEND

- FULL DEPTH RECONSTRUCTION
- WEDGE/LEVEL & RESURFACING
- WATKINS MILL INTERCHANGE ROADWAY DESIGN (BY OTHERS)
- PROPOSED WATKINS MILL ITS EQUIPMENT
- PAVEMENT MARKINGS
- W-BEAM TRAFFIC BARRIER
- CONCRETE BARRIER
- EXISTING GRATE INLET (ADJUST OR REPLACE)
- EXISTING MANHOLE COVER (ADJUST OR REPLACE)

UTILITY CONFLICTS

- NONE ANTICIPATED
- POSSIBLE
- PROBABLE

DRAFT PLANS

50' 0 50' 100'

SCALE: 1" = 100'

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

REVISIONS

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

IS-270 INNOVATIVE CONGESTION MANAGEMENT

WATKINS MILL INTERCHANGE

IS–270 AT WATKINS MILL RD
PROPOSED INTERCHANGE MODIFICATION

DATE: JANUARY 19, 2017

WM 04 OF 04

PLOTTED: Wednesday, January 18, 2017 AT 08:56 AM
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