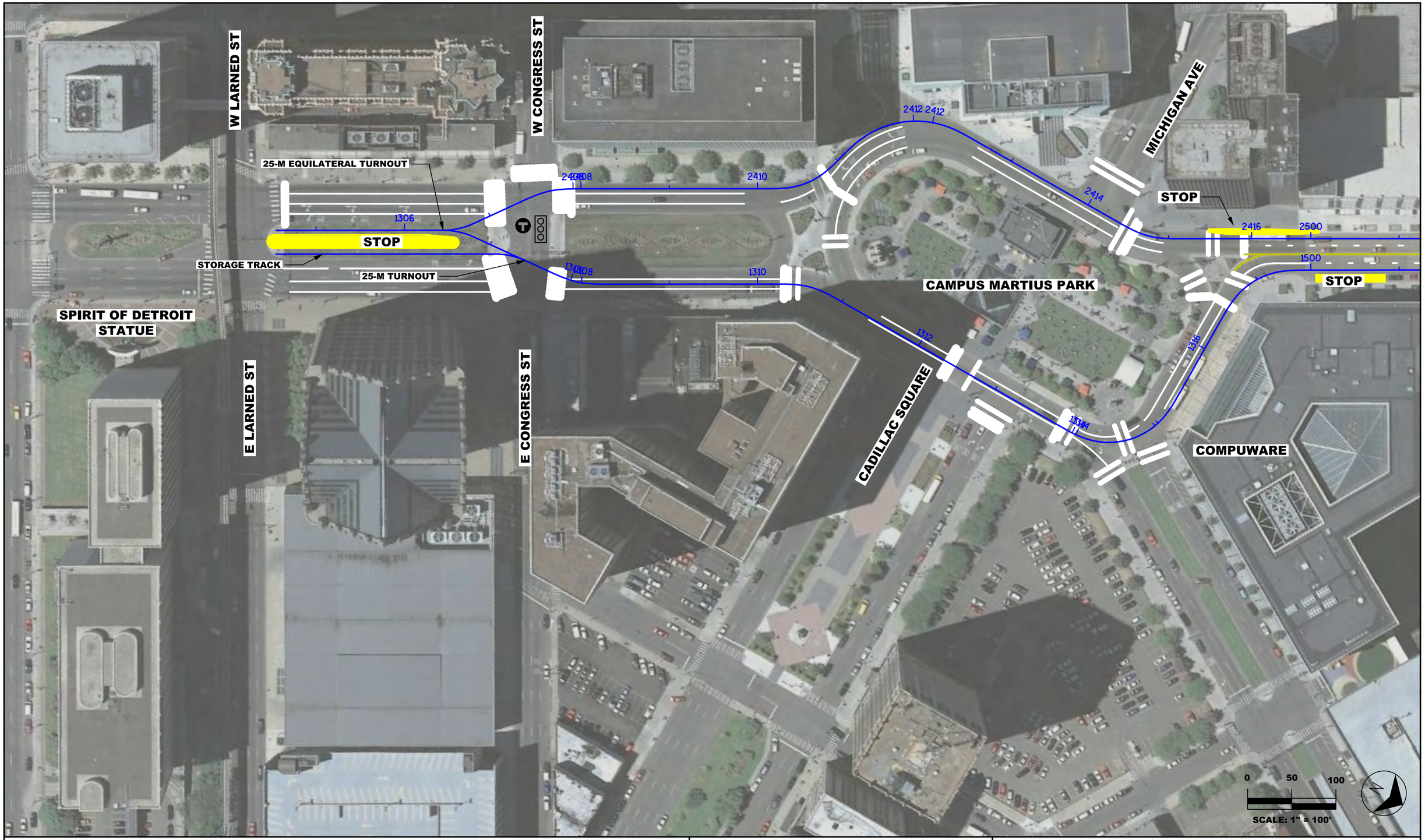
Appendix A: Streetcar Alignment



LEGEND

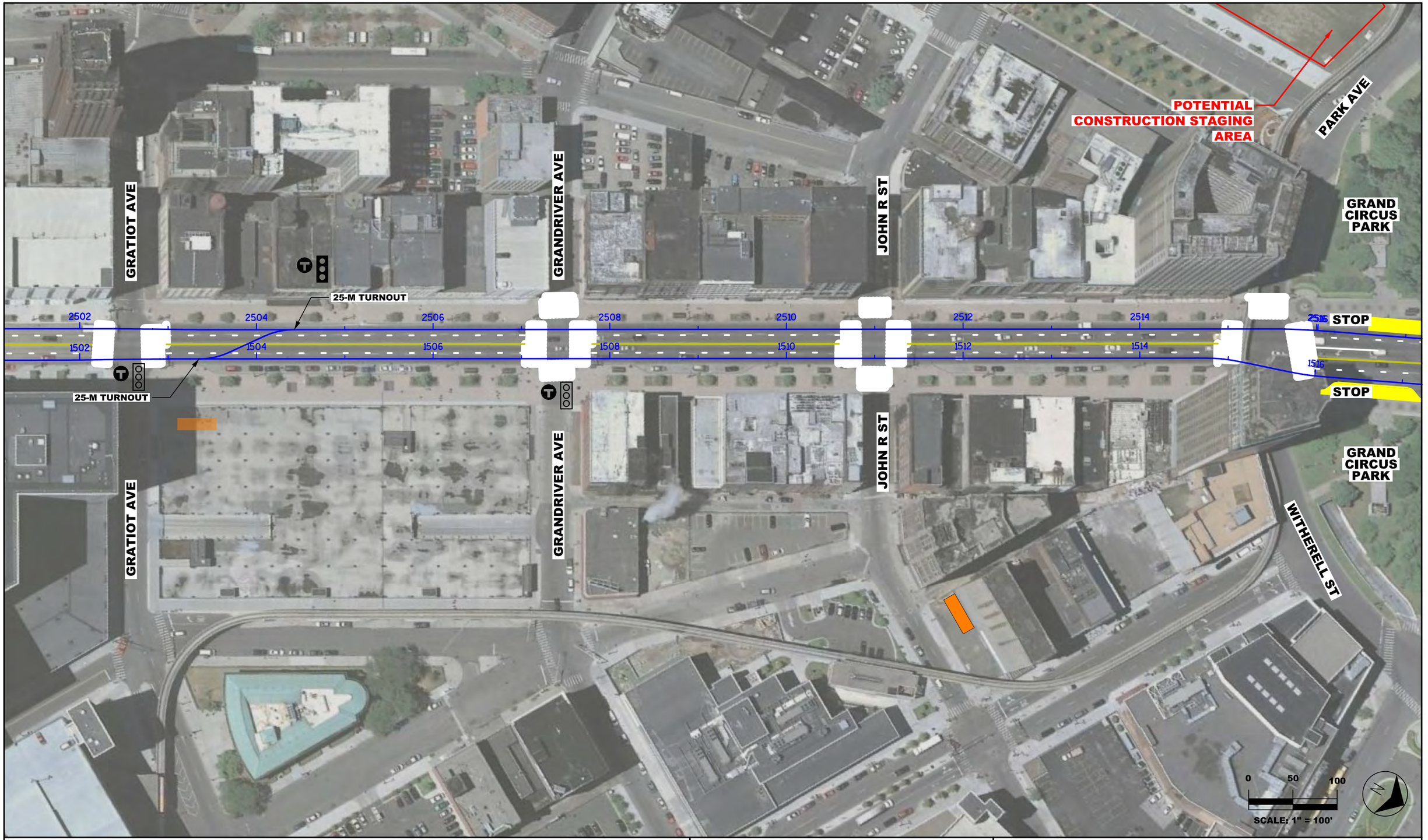
- BLUE - STREETCAR ALIGNMENT
- PROPOSED STOP
- FUTURE STOP
- PREFERRED SUBSTATION LOCATION
- POTENTIAL SUBSTATION LOCATION

- NEW SIGNAL WITH TRANSIT ONLY PHASE
- MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-1



LEGEND

- BLUE - STREETCAR ALIGNMENT
- PROPOSED STOP
- FUTURE STOP
- PREFERRED SUBSTATION LOCATION
- POTENTIAL SUBSTATION LOCATION
- NEW SIGNAL WITH TRANSIT ONLY PHASE
- MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-2

LEGEND

- BLUE - STREETCAR ALIGNMENT
- PROPOSED STOP
- FUTURE STOP
- PREFERRED SUBSTATION LOCATION
- POTENTIAL SUBSTATION LOCATION
- NEW SIGNAL WITH TRANSIT ONLY PHASE
- MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-3

HENRY ST
SIBLEY ST
SPROAT ST
TEMPLE ST
POTENTIAL CONSTRUCTION STAGING AREA
POTENTIAL CONSTRUCTION STAGING AREA
50-M CURVED TURNOUT
STOP
2014
2016
2018
2020
2022
2024
2026
2028
1014
1016
1018
1020
1022
1024
1026
1028
STOP
2-VEHICLE PLATFORM
50-M CURVED TURNOUT
STORAGE TRACK
50-M TURNOUT
WINDER ST
ADELAIDE ST
ALFRED ST
EDMUND PL
0
50
100
SCALE: 1" = 100'

LEGEND

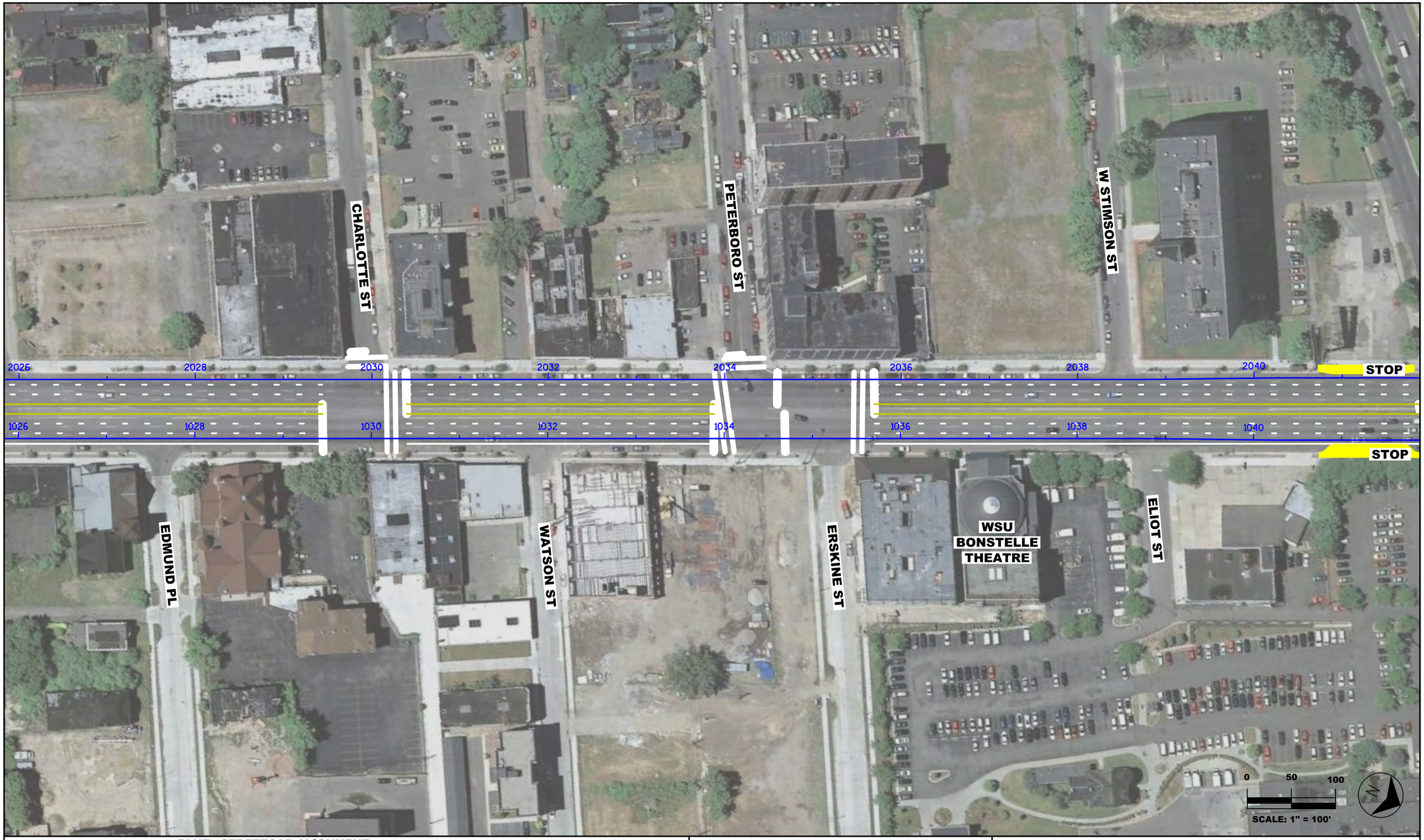
BLUE - STREETCAR ALIGNMENT
PROPOSED STOP
FUTURE STOP
PREFERRED SUBSTATION LOCATION
POTENTIAL SUBSTATION LOCATION

NEW SIGNAL WITH TRANSIT ONLY PHASE
MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-4



LEGEND

- BLUE - STREETCAR ALIGNMENT
- PROPOSED STOP
- FUTURE STOP
- PREFERRED SUBSTATION LOCATION
- POTENTIAL SUBSTATION LOCATION
- NEW SIGNAL WITH TRANSIT ONLY PHASE
- MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-5

MARTIN LUTHER KING JR BLVD

PARSONS ST

ORCHESTRA HALL

SELDEN ST

ALEXANDRINE ST W

2042 2044 2046 2048 2050 2052 2054 2056

1042 1044 1046 1048 1050 1052 1054 1056

MACK AVE

ALEXANDRINE ST E

MAJESTIC THEATRE COMPLEX

0 50 100

SCALE: 1" = 100'

LEGEND

BLUE - STREETCAR ALIGNMENT

PROPOSED STOP

FUTURE STOP

PREFERRED SUBSTATION LOCATION

POTENTIAL SUBSTATION LOCATION

NEW SIGNAL WITH TRANSIT ONLY PHASE

MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-6

WILLIS ST W

W CANFIELD ST

WHITNEY RESTAURANT

WSU SOUTH VILLAGE

FOREST AVE W

2058 2060 2062 STOP 2064 2066 2068 2070 2072

1058 1060 1062 STOP 1064 1066 1068 1070 1072

HISTORIC FIRST CONGREGATIONAL CHURCH

MUSEUM OF CONTEMPORARY ART DETROIT (MOCAD)

WILLIS ST E

E CANFIELD ST

GARFIELD ST

FOREST AVE E

0 50 100

SCALE: 1" = 100'

LEGEND

BLUE - STREETCAR ALIGNMENT

PROPOSED STOP

FUTURE STOP

PREFERRED SUBSTATION LOCATION

POTENTIAL SUBSTATION LOCATION

NEW SIGNAL WITH TRANSIT ONLY PHASE

MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-7

HANCOCK ST W
WSU SIMONS
WARREN AVE W
WAYNE STATE UNIVERSITY WELCOME CENTER
PUTNAM ST
DETROIT PUBLIC LIBRARY
2074
2076
2078
STOP
2080
2082
2084
2086
2088
1074
1076
1078
1080
1082
1084
1086
1088
STOP
CATHEDRAL CHURCH OF ST. PAUL
HANCOCK ST E
WARREN AVE E
FARNSWORTH ST
DETROIT INSTITUTE OF ART
0
50
100
SCALE: 1" = 100'
N

LEGEND

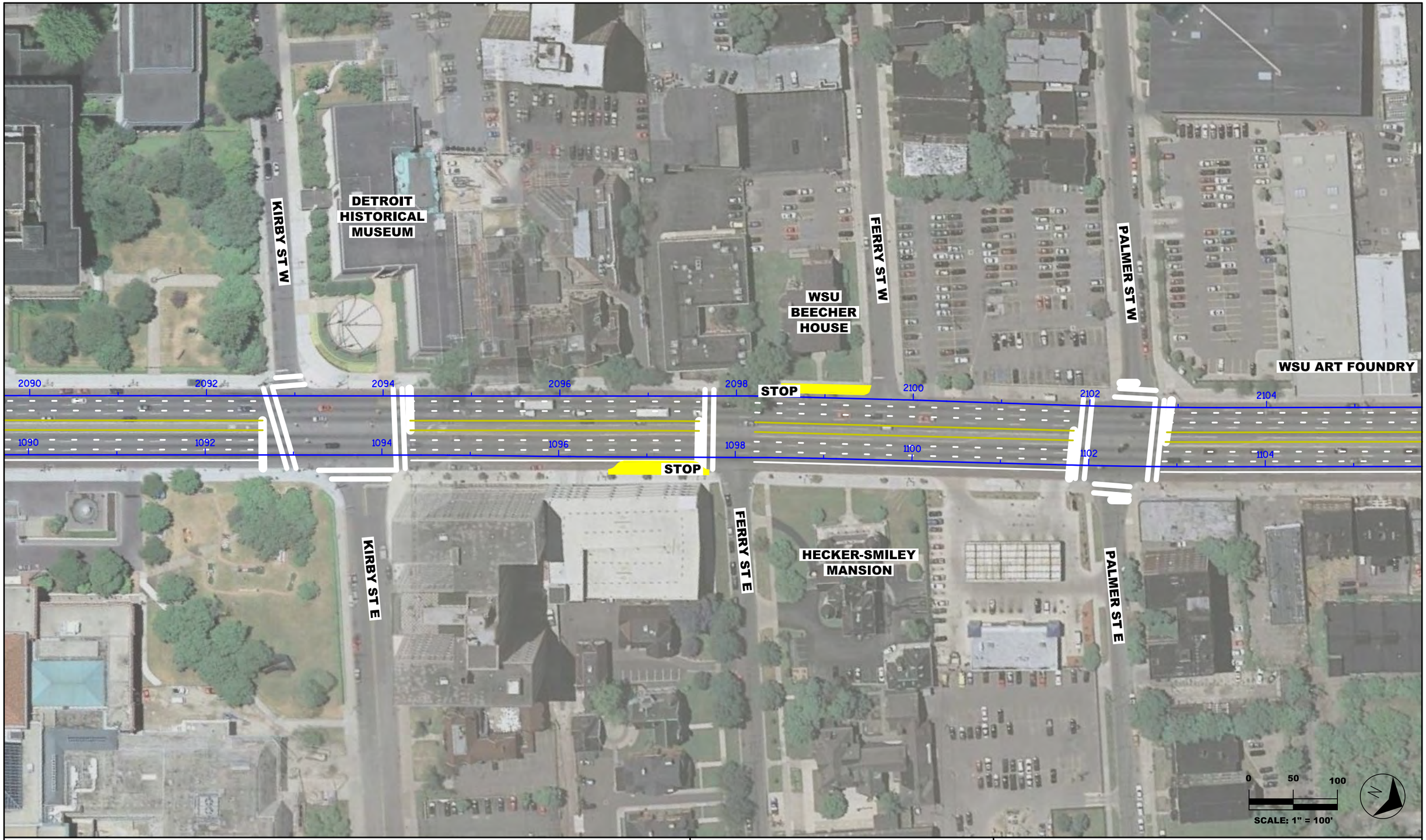
BLUE - STREETCAR ALIGNMENT
PROPOSED STOP
FUTURE STOP
PREFERRED SUBSTATION LOCATION
POTENTIAL SUBSTATION LOCATION

NEW SIGNAL WITH TRANSIT ONLY PHASE
MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-8



LEGEND

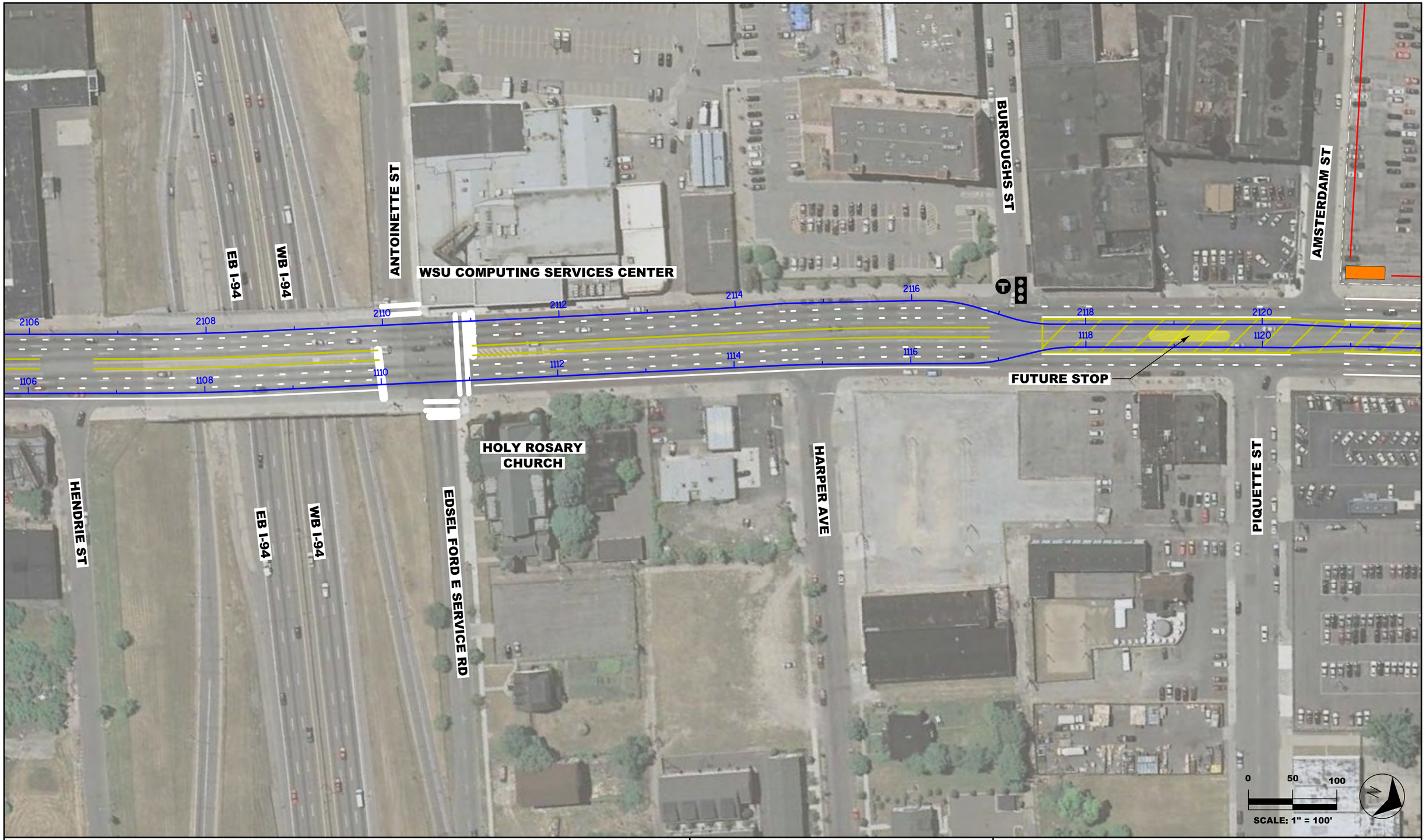
- BLUE - STREETCAR ALIGNMENT
- PROPOSED STOP
- FUTURE STOP
- PREFERRED SUBSTATION LOCATION
- POTENTIAL SUBSTATION LOCATION

- NEW SIGNAL WITH TRANSIT ONLY PHASE
- MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-9



LEGEND

- BLUE - STREETCAR ALIGNMENT
- PROPOSED STOP
- FUTURE STOP
- PREFERRED SUBSTATION LOCATION
- POTENTIAL SUBSTATION LOCATION
- NEW SIGNAL WITH TRANSIT ONLY PHASE
- MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-10

POTENTIAL VSMF SITE 4

POTENTIAL CONSTRUCTION STAGING AREA

AMTRAK

BALTIMORE ST W

MILWAUKEE ST W

W GRAND BLVD

W GRAND BLVD

ENDICOTT ST

BALTIMORE ST E

MILWAUKEE ST E

E GRAND BLVD

E GRAND BLVD

2122 2124 2126 2128 2130 2132 2134 2136

1122 1124 1126 1128 1130 1132 1134 1136

STOP

STOP

0 50 100

SCALE: 1" = 100'

LEGEND

BLUE - STREETCAR ALIGNMENT

PROPOSED STOP

FUTURE STOP

PREFERRED SUBSTATION LOCATION

POTENTIAL SUBSTATION LOCATION

NEW SIGNAL WITH TRANSIT ONLY PHASE

MODIFIED EXISTING SIGNAL (ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-11

LOTHROP RD

BETHUNE ST W

PALLISTER ST

DELAWARE ST

50-M EQUILATERAL TURNOUT

2138

2140

1138

1140

1142

HORTON ST

POTENTIAL VSMF SITE 2

CHANDLER ST

PREFERRED VSMF SITE

CUSTER ST

BETHUNE ST E

POTENTIAL
VSMF SITE 3

0 50 100

SCALE: 1" = 100'

LEGEND

BLUE - STREETCAR ALIGNMENT

PROPOSED STOP

FUTURE STOP

PREFERRED SUBSTATION LOCATION

POTENTIAL SUBSTATION LOCATION

NEW SIGNAL WITH
TRANSIT ONLY PHASE

MODIFIED EXISTING SIGNAL
(ADD TRANSIT ONLY PHASE)

M-1 RAIL

WOODWARD AVENUE STREETCAR
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
EXHIBIT A

BASIS OF DESIGN CHK PRINT	JANUARY 22, 2013	FIGURE A-12