FIGURE A3

FIGURE A7

FIGURE A4

FIGURE A5

FIGURE A6

FIGURE A8

FIGURE A2

FIGURE A1

N

W E

S

FIGURE 2-1
ROUGE VALLEY SEWAGE DISPOSAL SYSTEM
INTERCEPTOR SCHEMATIC

SYSTEM
MONITORING
INDEX SHEET

REVISION DATE: NOVEMBER 4, 2019

WESTLAND
WAYNE
ROMULUS
PALMER
GLENWOOD
VAN BORN
ANNAPOLIS
ECORSE
MICHIGAN AVE
HANNAN
NEWBURGH
HAGGERTY
4TH STREET
VENOY
HENRY RUFF
COGWELL
WTUA-LR
BULKHEAD
WTUA LOWER ROUGE EQUALIZATION BASIN
FE-19
WTUA - LR EQ BASIN
TO YCUA
WE-25
P-17
P-19
R-13
WAYNE EQUALIZATION BASIN
Reg 51 (L-37)
Reg 53 (L-34)
Reg 52 (L-35)
Reg 50 (L-36)
WAYNE COUNTY AIRPORT AUTHORITY (WCAA) CONNECTION
WCAA FORCEMAIN
P-15
24 INDIVIDUAL LEADS ON BOTH SIDES OF COGSWELL
MATCH LINE - FIGURE A2

Per the WTUA Service Termination Agreement, anticipated November 2019, WTUA sends 100% of its wastewater to YCUA with exception of the "Flow Swap" areas described in the Service Termination Agreement.

N
W
E
S

GRAPHIC SCALE
1,000 0 1,000
1" = 1,000'

LEGEND

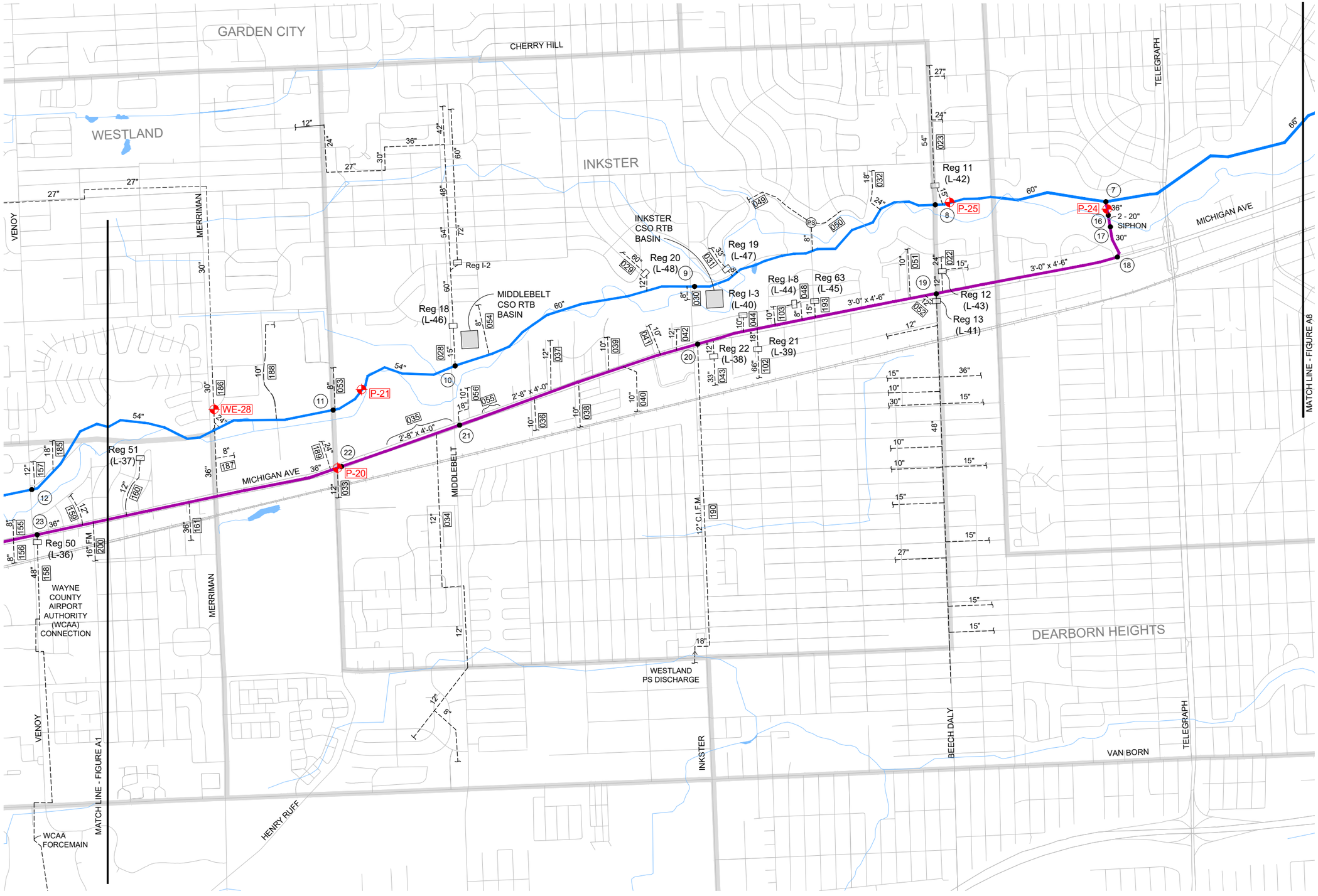
- WAYNE COUNTY RAIN GAGE LOCATION
- COMMUNITY RAIN GAGE LOCATION
- P-1 WAYNE COUNTY FLOW METER LOCATION
- FE-19 COMMUNITY FLOW METER LOCATION
- REGULATOR
- JUNCTION
- (1) JUNCTION ID
- X-XX LINE CONNECTION ID
- COMMUNITY SEWER
- WAYNE-ROMULUS-VAN BUREN INTERCEPTOR (W-R-V I)
- WAYNE INTERCEPTOR (WI-1)
- WAYNE INTERCEPTOR EXTENSION (WIE)
- LOWER ROUGE INTERCEPTOR RELIEF (LRIR)
- ROUGE VALLEY INTERCEPTOR (RVI)
- WTUA INTERCEPTOR SYSTEM
- COMMUNITY BOUNDARY
- EQUALIZATION BASIN

ROUGE VALLEY SEWAGE DISPOSAL SYSTEM
LOWER ROUGE INTERCEPTOR SCHEMATIC
HANNAN TO VENOY

SYSTEM MONITORING PLAN
FIGURE A1 OF 8

REVISION DATE: NOVEMBER 4, 2019

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LEGEND

- WAYNE COUNTY RAIN GAGE LOCATION
- COMMUNITY RAIN GAGE LOCATION
- P-1 WAYNE COUNTY FLOW METER LOCATION
- FE-19 COMMUNITY FLOW METER LOCATION
- REGULATOR
- JUNCTION
- 1 JUNCTION ID
- X-XX LINE CONNECTION ID
- COMMUNITY SEWER
- WAYNE INTERCEPTOR (WI-1)
- ROUGE VALLEY INTERCEPTOR (RVI)
- COMMUNITY BOUNDARY
- RETENTION TREATMENT BASIN (RTB)

ROUGE VALLEY SEWAGE DISPOSAL SYSTEM

LOWER ROUGE INTERCEPTOR SCHEMATIC
VENOY TO TELEGRAPH

SYSTEM MONITORING PLAN

FIGURE A2 OF 8

REVISION DATE: NOVEMBER 4, 2019

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WTUA "Flow Swap" areas under the Service Termination Agreement are conveyed to RVSDS via line connections 93 and 94.

NORTHVILLE

NOVI

NORTHVILLE TWP.

EIGHT MILE

SEVEN MILE

SIX MILE

FIVE MILE

BECK

SHELDON

HAGGERTY

BULKHEAD

BULKHEAD

42" 096

BG-1

8" 095

15"

10"

15" 094

R-11
(POST- 11/16/18)

77

10" 092

18" 093

12" 089

8" 090

8" 091

76

42"

75

36"

74

42"

73

48"

MATCH LINE - FIGURE A4

P-1

N

W

E

S

GRAPHIC SCALE
1,000 0 1,000
1" = 1,000'

LEGEND

- WAYNE COUNTY RAIN GAGE LOCATION
- COMMUNITY RAIN GAGE LOCATION
- P-1 WAYNE COUNTY FLOW METER LOCATION
- FE-19 COMMUNITY FLOW METER LOCATION
- REGULATOR
- JUNCTION
- 1 JUNCTION ID
- X-XX LINE CONNECTION ID
- COMMUNITY SEWER
- PARKWAY INTERCEPTOR (PWI)
- PARKWAY INTERCEPTOR (PWI) (TRANSFERRED TO WTUA 8-12-2011)
- NORTH ARM INTERCEPTOR (NAI)
- HURON-ROUGE SEWAGE DISPOSAL SYSTEM (HRSDS) (OWNED BY OAKLAND COUNTY)
- WTUA INTERCEPTOR SYSTEM
- COMMUNITY BOUNDARY

ROUGE VALLEY SEWAGE DISPOSAL SYSTEM

MIDDLE ROUGE INTERCEPTOR SCHEMATIC
NORTHVILLE TO 5 MILE ROAD

SYSTEM MONITORING PLAN
FIGURE A3 OF 8

REVISION DATE: NOVEMBER 4, 2019

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MATCH LINE - FIGURE A3

FIVE MILE

P-1

72

R-11
(PRE- 9/12/18)

42"

WILCOX

71

70

48"

10"
097

A

24"

PLYMOUTH

PLYMOUTH TWP.

12"
098

18"
099

18"

18"
100

48"

BULKHEAD

66

30"

36"

65

P-3

69

WEIR

36"

P-26

18"
058

PLYMOUTH

HINES

64

30"

10"
059

42"

21"
060

68

63

24"

18"

18"

12"

SCHOOLCRAFT

12"

LIVONIA

ANN ARBOR TRAIL

City of Plymouth "Flow Swap" areas under the pending Service Termination Agreement are conveyed by WTUA Interceptor System to YCUA and are metered by WTUA Meters A, B, and C.

WTUA "Flow Swap" areas under the Service Termination Agreement are conveyed to RVSDS via line connections 102, 103, 194, and 195.

30"

B

30"

C

18"
061

NEWBURGH

JOY

8"
103

55

48"

FE-22

8"
102

10"
070

10"
071

10"
072

BULKHEAD

12" FM
WTUA-MR

10"
194

15"
195

10"
162

12"
163

15"
164

WTUA
MIDDLE ROUGE
EQUALIZATION
BASIN

WTUA - MR
EQ BASIN

Per the WTUA Service Termination Agreement, anticipated November 2019, WTUA sends 100% of its wastewater to YCUA with exception of the "Flow Swap" areas described in the Service Termination Agreement.

TO
YCUA

MATCH LINE - FIGURE A5

N
W
E
S

GRAPHIC SCALE
1,000 0 1,000
1" = 1,000'

LEGEND

- WAYNE COUNTY RAIN GAGE LOCATION
- COMMUNITY RAIN GAGE LOCATION
- P-1 WAYNE COUNTY FLOW METER LOCATION
- FE-19 COMMUNITY FLOW METER LOCATION
- REGULATOR
- JUNCTION
- 1 JUNCTION ID
- X-XX LINE CONNECTION ID
- COMMUNITY SEWER
- PARKWAY INTERCEPTOR (PWI)
- PARKWAY INTERCEPTOR (PWI) (TRANSFERRED TO WTUA 8-12-2011)
- ROUGE VALLEY INTERCEPTOR (RVI)
- ROUGE VALLEY INTERCEPTOR (RVI) (TRANSFERRED TO WTUA 8-12-2011)
- MIDDLE ROUGE INTERCEPTOR RELIEF (MRIR)
- NORTH ARM INTERCEPTOR (NAI)
- WTUA INTERCEPTOR SYSTEM
- COMMUNITY BOUNDARY
- EQUALIZATION BASIN

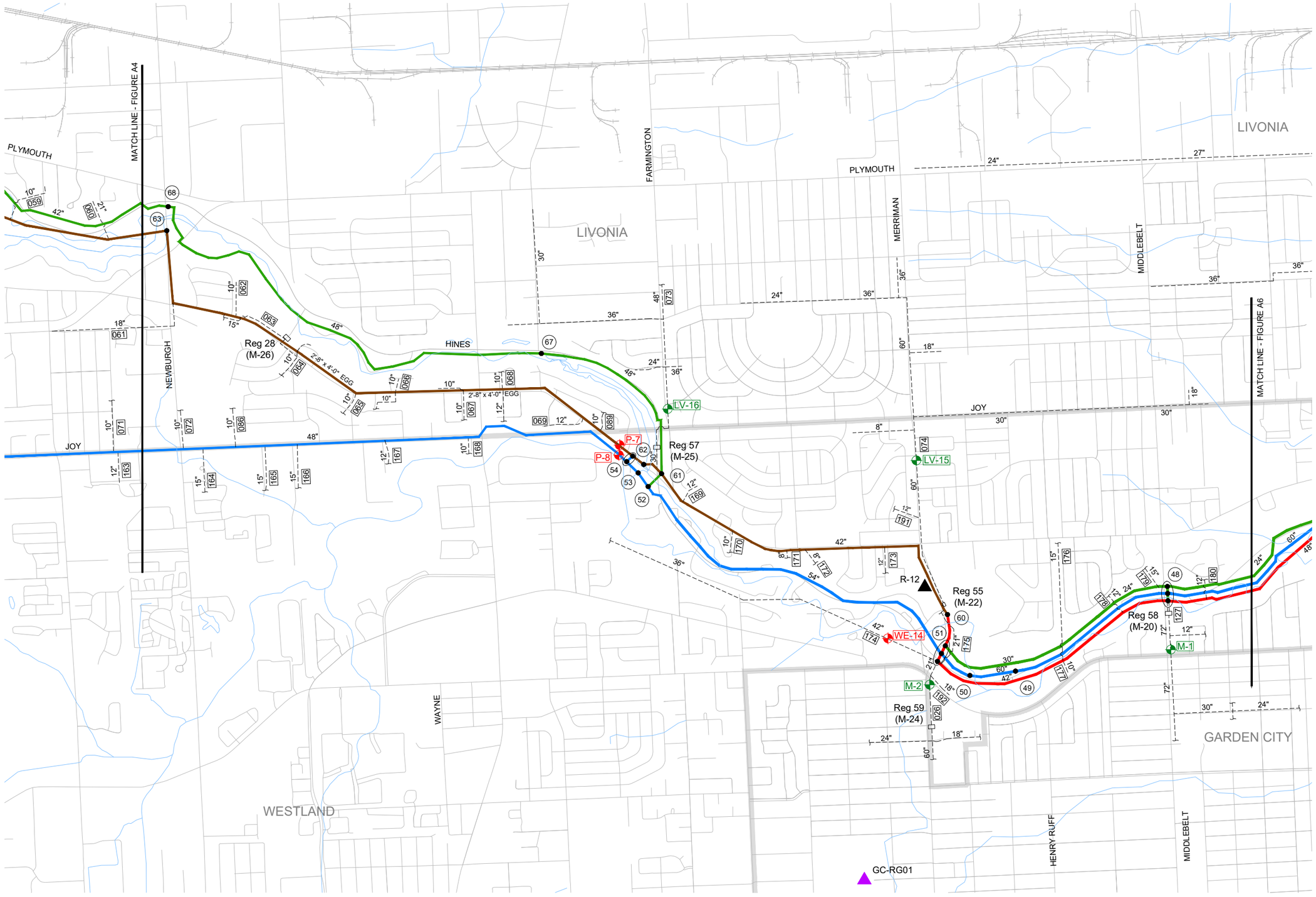
ROUGE VALLEY SEWAGE DISPOSAL SYSTEM

MIDDLE ROUGE INTERCEPTOR SCHEMATIC
5 MILE ROAD TO NEWBURGH

SYSTEM
MONITORING PLAN
FIGURE A4 OF 8

REVISION DATE: NOVEMBER 4, 2019

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LEGEND

- WAYNE COUNTY RAIN GAGE LOCATION
- COMMUNITY RAIN GAGE LOCATION
- P-1 WAYNE COUNTY FLOW METER LOCATION
- FE-19 COMMUNITY FLOW METER LOCATION
- REGULATOR
- JUNCTION
- 1 JUNCTION ID
- X-XX LINE CONNECTION ID
- COMMUNITY SEWER
- PARKWAY INTERCEPTOR (PWI)
- MIDDLE ROUGE PARKWAY INTERCEPTOR EXTENSION (MRPIE)
- ROUGE VALLEY INTERCEPTOR (RVI)
- MIDDLE ROUGE INTERCEPTOR RELIEF (MRIR)
- COMMUNITY BOUNDARY

ROUGE VALLEY SEWAGE DISPOSAL SYSTEM

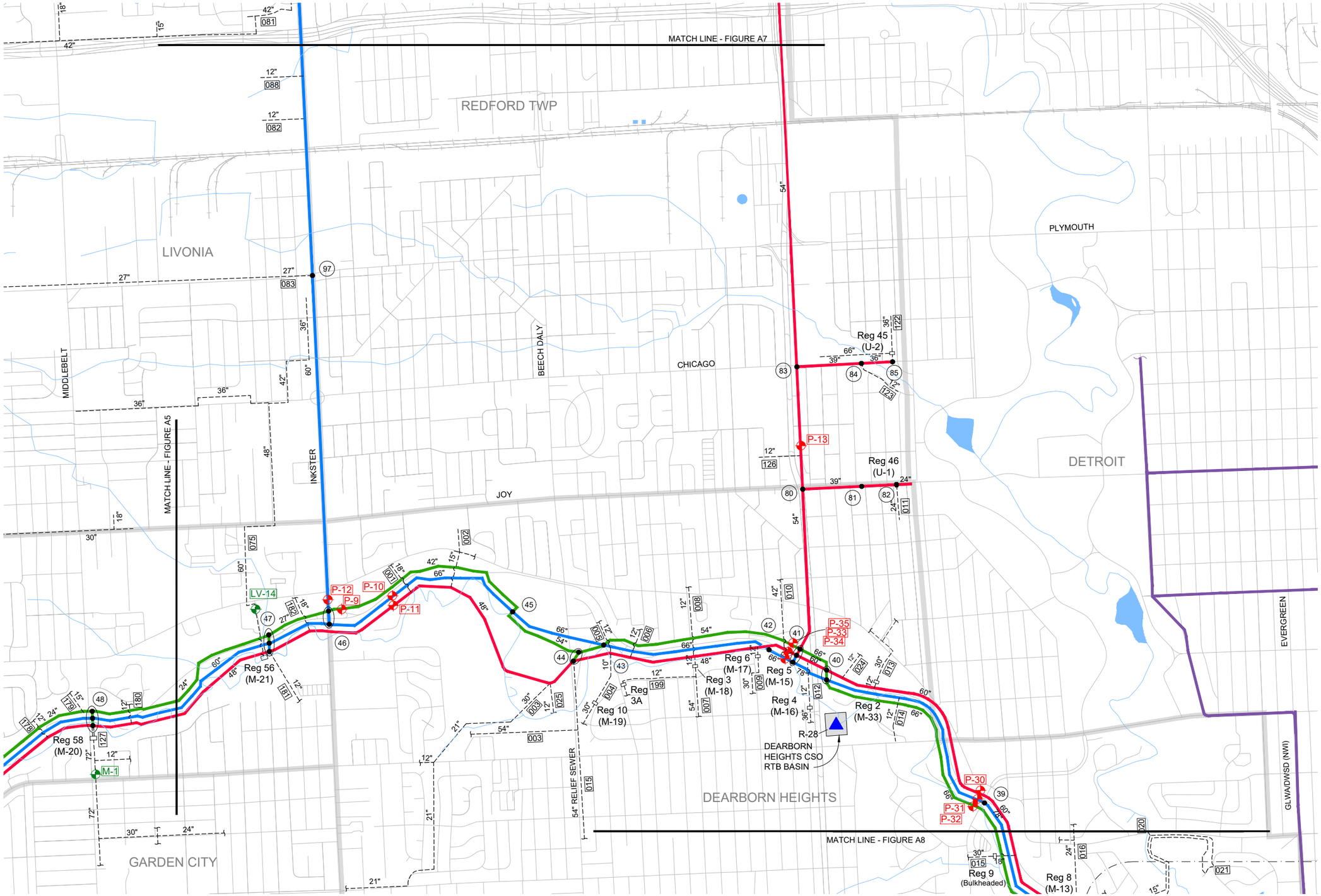
MIDDLE ROUGE INTERCEPTOR SCHEMATIC NEWBURGH TO MIDDLEBELT

SYSTEM MONITORING PLAN

FIGURE A5 OF 8

REVISION DATE: NOVEMBER 4, 2019

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LEGEND

- WAYNE COUNTY RAIN GAGE LOCATION
- COMMUNITY RAIN GAGE LOCATION
- P-1 WAYNE COUNTY FLOW METER LOCATION
- FE-19 COMMUNITY FLOW METER LOCATION
- REGULATOR
- JUNCTION
- 1 JUNCTION ID
- X-XX LINE CONNECTION ID
- COMMUNITY SEWER
- MIDDLE ROUGE PARKWAY INTERCEPTOR EXTENSION (MRPIE)
- ROUGE VALLEY INTERCEPTOR (RVI)
- MIDDLE ROUGE INTERCEPTOR RELIEF (MRIR)
- GLWA/DWSD INTERCEPTOR
- COMMUNITY BOUNDARY
- RETENTION TREATMENT BASIN (RTB)

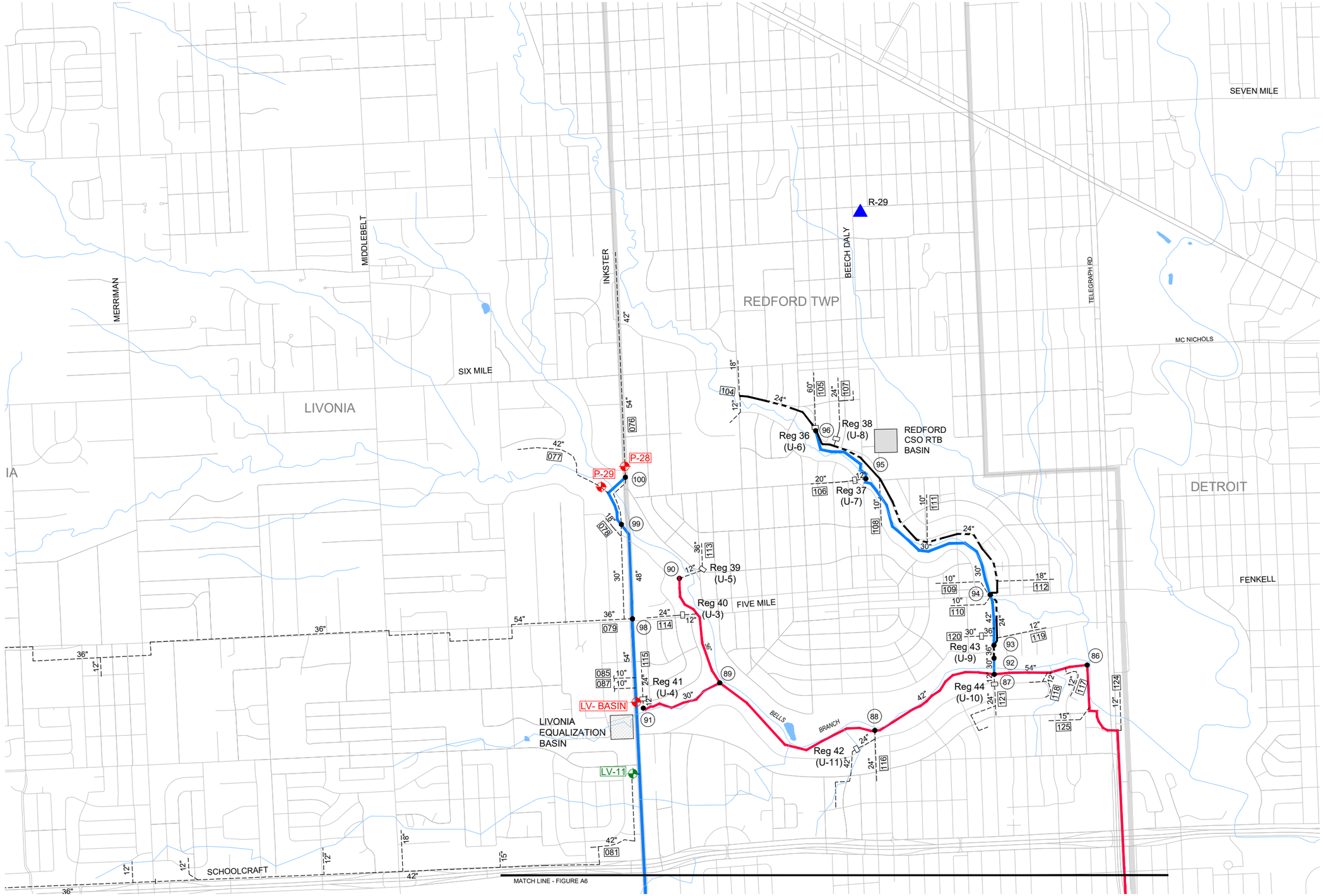
GLWA GREAT LAKES WATER AUTHORITY
DWSD DETROIT WATER AND SEWERAGE DEPT

ROUGE VALLEY SEWAGE DISPOSAL SYSTEM
MIDDLE ROUGE INTERCEPTOR SCHEMATIC
MIDDLEBELT TO OUTER DRIVE

SYSTEM MONITORING PLAN
FIGURE A6 OF 8

REVISION DATE: NOVEMBER 4, 2019

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LEGEND

- WAYNE COUNTY RAIN GAGE LOCATION
- COMMUNITY RAIN GAGE LOCATION
- P-1 WAYNE COUNTY FLOW METER LOCATION
- FE-19 COMMUNITY FLOW METER LOCATION
- REGULATOR
- JUNCTION
- 1 JUNCTION ID
- X-XX LINE CONNECTION ID
- COMMUNITY SEWER
- MIDDLE ROUGE PARKWAY INTERCEPTOR EXTENSION (MRPIE)
- ROUGE VALLEY INTERCEPTOR (RVI)
- LOLA VALLEY INTERCEPTOR
- COMMUNITY BOUNDARY
- RETENTION TREATMENT BASIN (RTB)
- EQUALIZATION BASIN

ROUGE VALLEY SEWAGE DISPOSAL SYSTEM

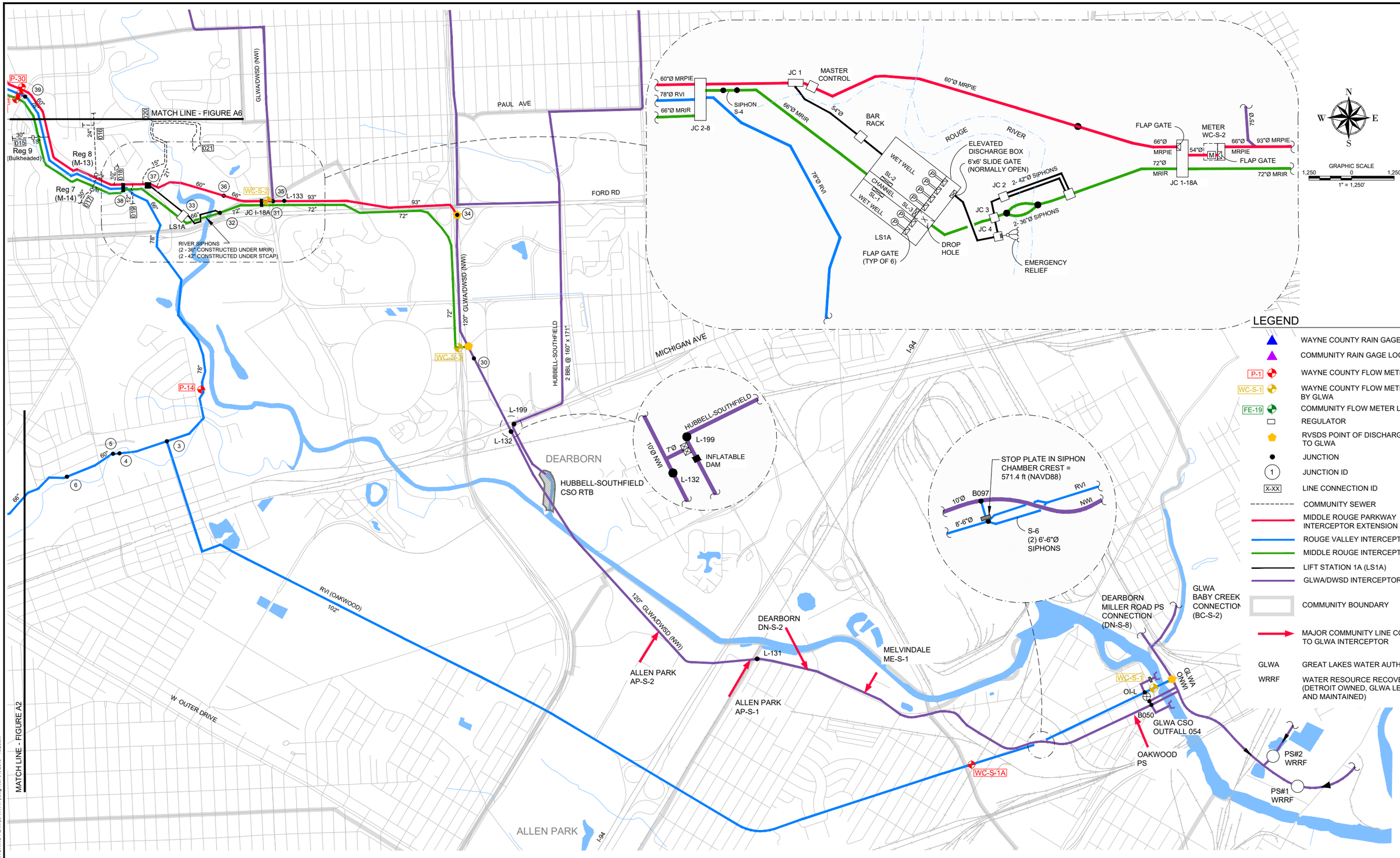
MIDDLE ROUGE INTERCEPTOR SCHEMATIC INKSTER AND REDFORD ARMS

SYSTEM MONITORING PLAN

FIGURE A7 OF 8

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ROUGE VALLEY SEWAGE DISPOSAL SYSTEM

INTERCEPTOR SYSTEM SCHEMATIC DOWNSTREAM END OF SYSTEM

SYSTEM MONITORING PLAN

FIGURE A8 OF 8

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