



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix Q - Part 2

Stormwater Management Assessment Report

Accessible formats and communication supports are available upon request:

York Region Transportation, Public Works

Phone: 1-877-464-9675 ext. 75000

TTY: 1-866-512-6228

Email: Transportation@york.ca



BURNSIDE

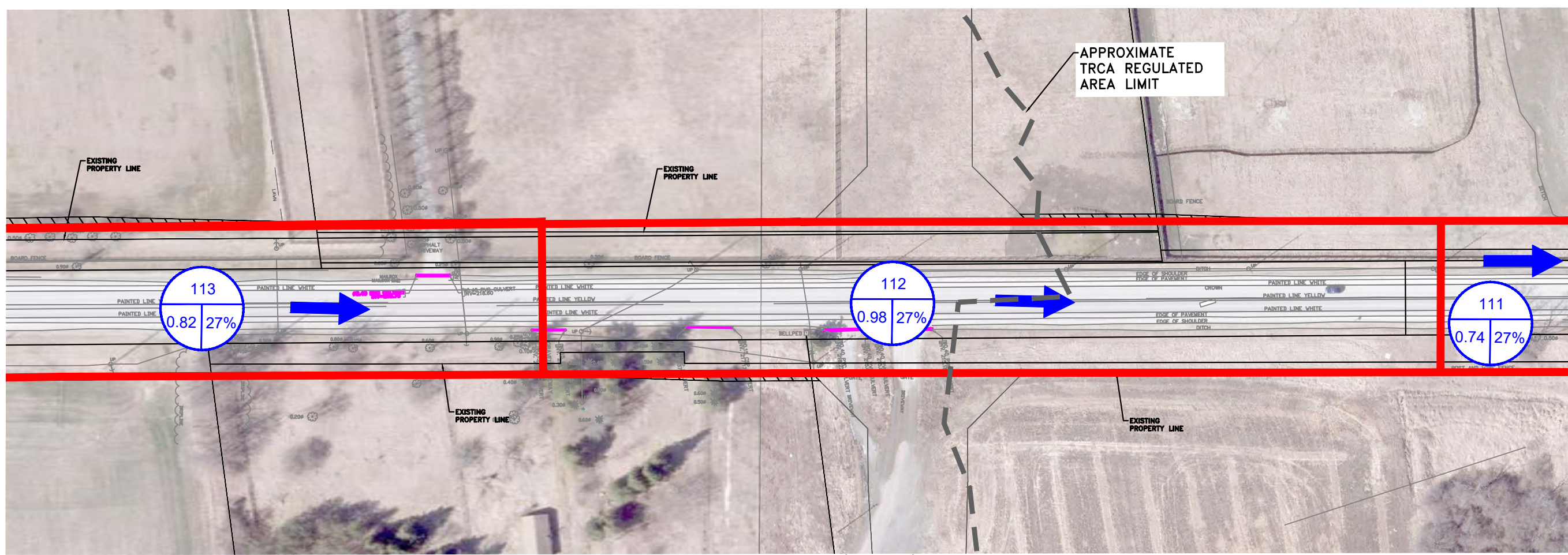
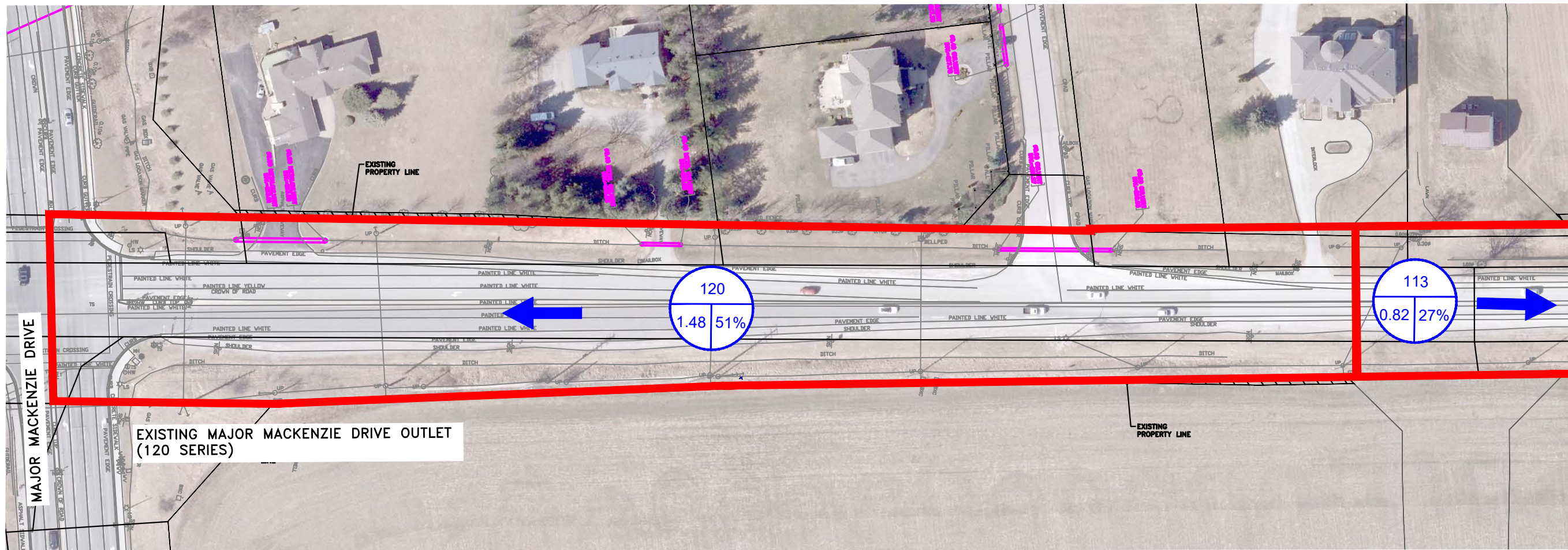
[THE DIFFERENCE IS OUR PEOPLE]

Appendix F

Stormwater Management Plans



SCALE: 1:1000



LEGEND

- CATCHMENT ID
- DRAINAGE AREA
- IMPERVIOUSNESS
- DRAINAGE AREA (ha)
- EXISTING OVERLAND FLOW DIRECTION
- EXISTING CATCHMENT BOUNDARY
- EXISTING STORM
- EXISTING PROPERTY LINE

York Region Transportation Services

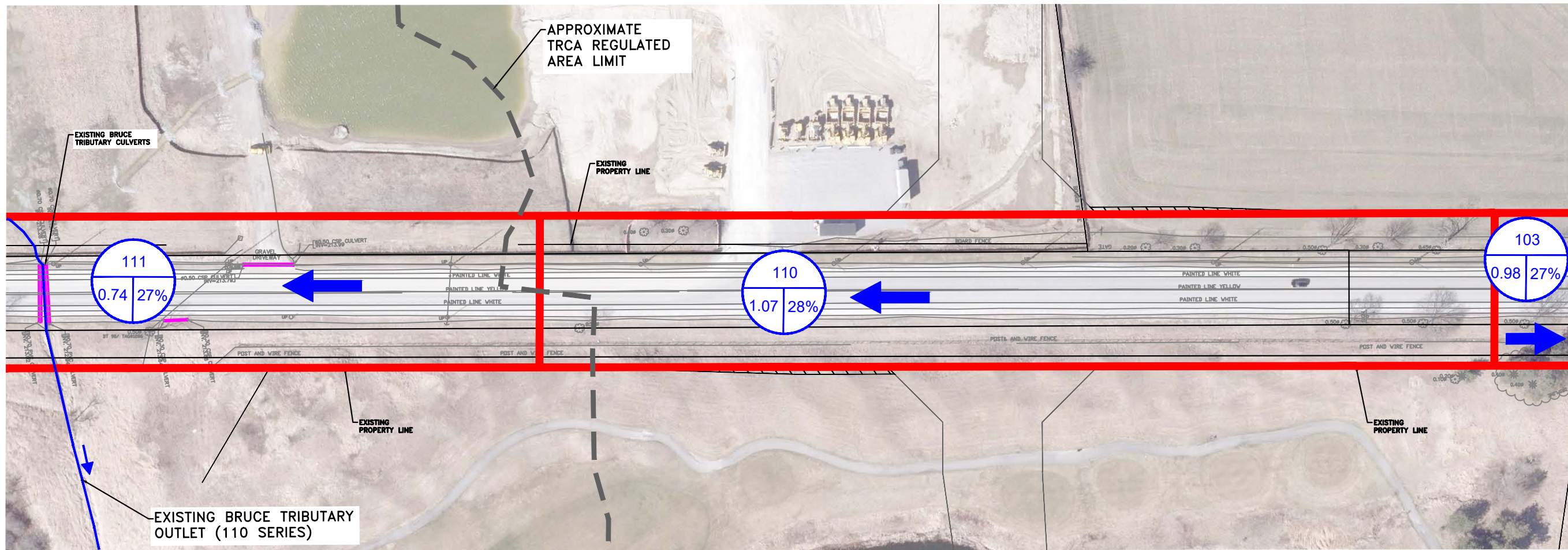
Dunstons

WARDEN AVENUE (Y.R.65)
PRELIMINARY PREFERRED
EXISTING SWM PLAN

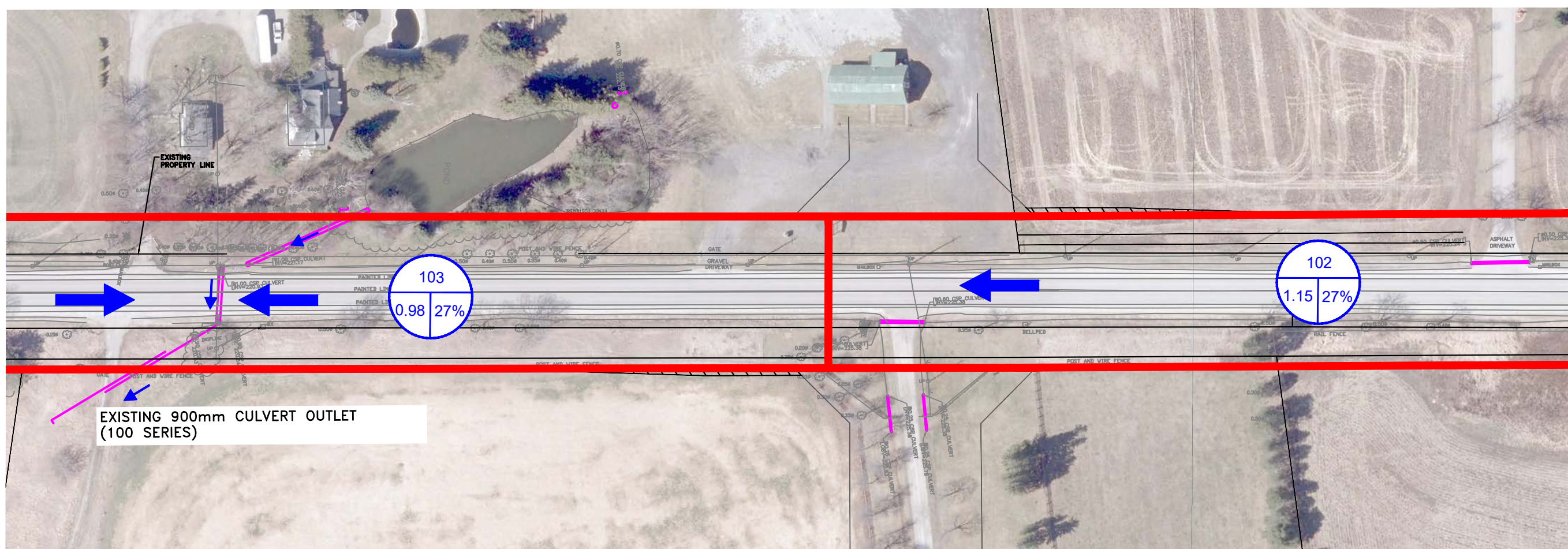
| | |
|-----------------|-----------------------|
| DESIGN K.H. | DWG. NO. 2022-XXX |
| DRAWN K.H. | CONF. NO. 2022-XXX |
| CHECKED E.S. | SHEET NO. 01 |



SCALE: 1:1000

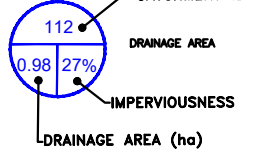






WARDEN AVENUE (Y.R.65)



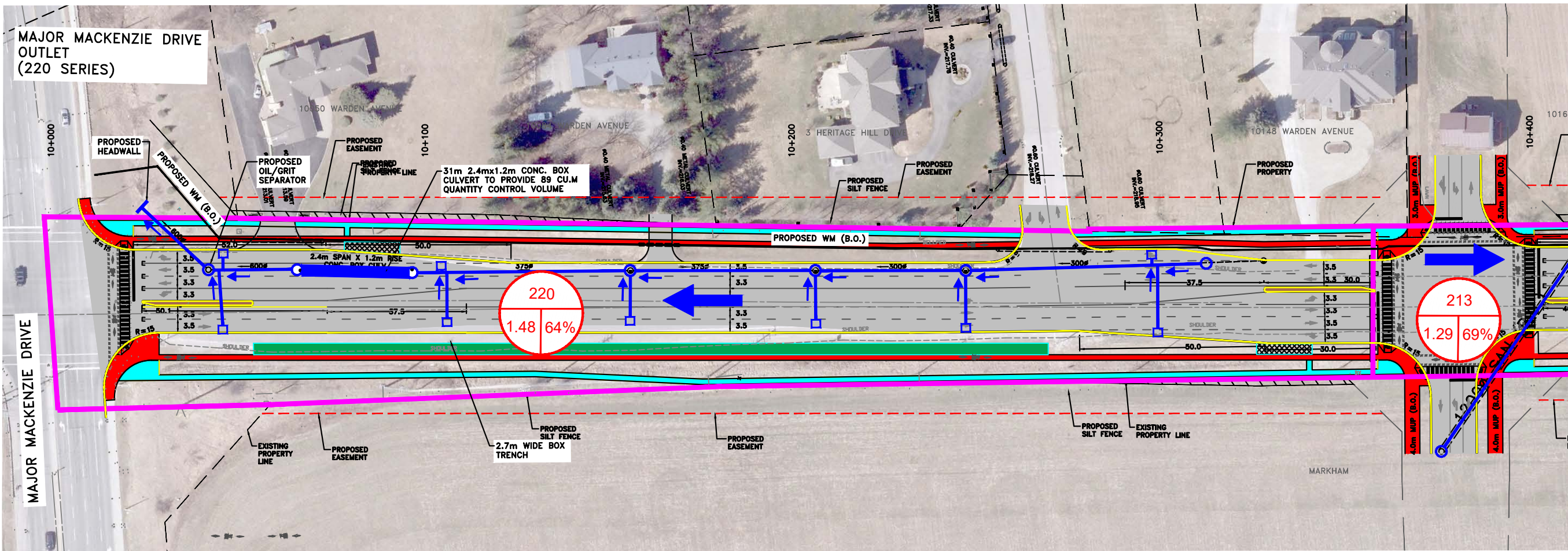
WARDEN AVENUE (Y.R.65)

LEGEND

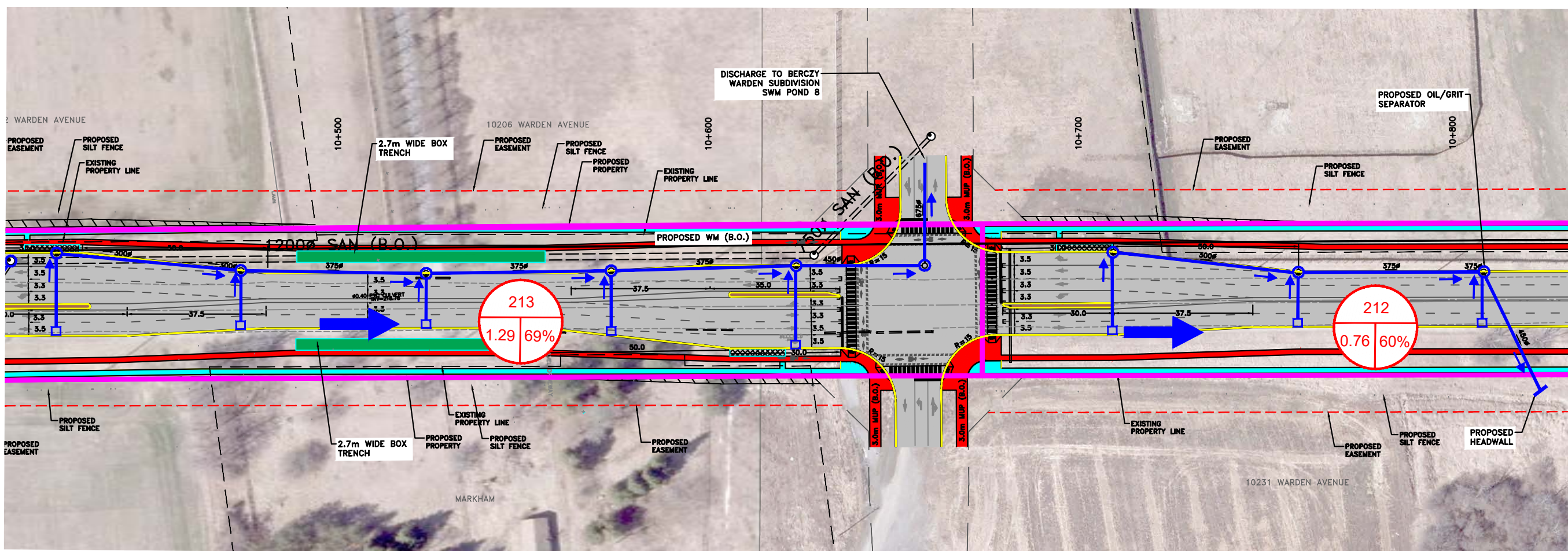


-  EXISTING OVERLAND FLOW DIRECTION
-  EXISTING CATCHMENT BOUNDARY
-  EXISTING STORM
-  EXISTING PROPERTY LINE

| | | |
|--|---------------|-------------------|
| | | DESIGN NO. SWM-03 |
| DESIGN: K.H. | DATE: 2022-XX | CONF. NO. 2022-XX |
| DRAWN: K.H. | DATE: 2022-XX | SHEET NO. 01 |
| CHECKED: F.S. | DATE: 2022-XX | |
| WARDEN AVENUE (Y.R.65) PRELIMINARY PREFERRED EXISTING SWM PLAN | | |



WARDEN AVENUE (Y.R.65)



WARDEN AVENUE (Y.R.65)

LEGEND

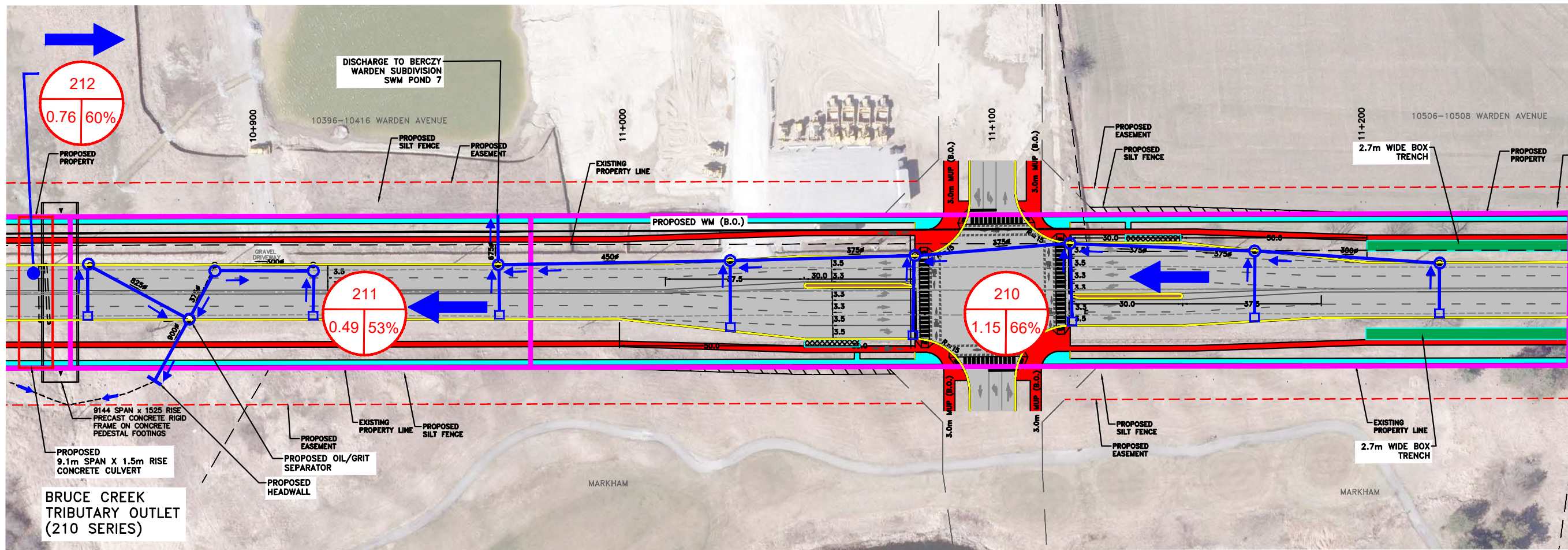
- STORM MAINTENANCE HOLE / CATCH BASINS
- CATCHMENT ID
- DRAINAGE AREA
- IMPERVIOUSNESS
- DRAINAGE AREA (ha)
- PROPOSED OVERLAND FLOW DIRECTION
- PROPOSED SIDEWALK
- PROPOSED CYCLE TRACK
- PROPOSED BUS PAD
- PROPOSED LOW IMPACT DEVELOPMENT
- PROPOSED ASPHALT
- PROPOSED PAVER MEDIAN
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED CURBLINE
- PROPOSED STORM SEWER
- PROPOSED LIMIT OF GRADING
- PROPOSED EASEMENT
- EXISTING PROPERTY LINE
- FUTURE RIGHT-OF-WAY

Transportation York Region Services

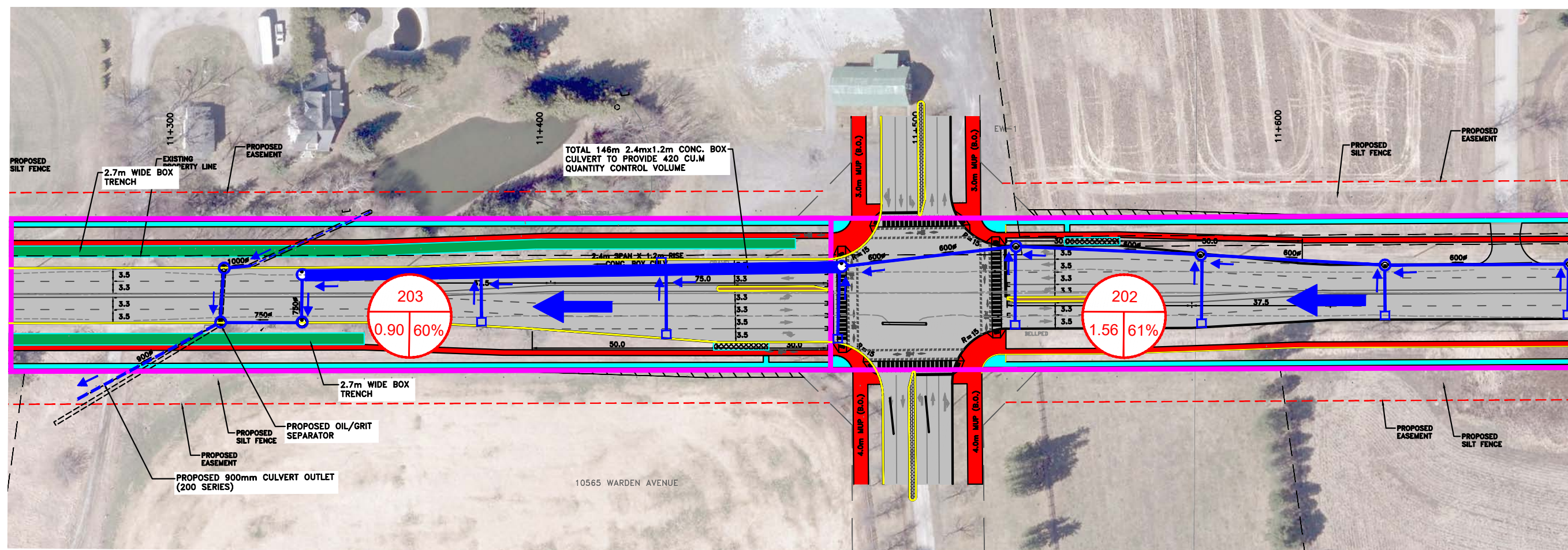
Design K-1
Drawn K-11
Checked F.S.

ENR INC.
SWM-01
CONF: 2022-XXX
SHEET NO. 01

WARDEN AVENUE (Y.R.65) PRELIMINARY PREFERRED STORM WATER MANAGEMENT PLAN



WARDEN AVENUE (Y.R.65)



WARDEN AVENUE (Y.R.65)

LEGEND

- STORM MAINTENANCE HOLE / CATCH BASINS
- CATCHMENT ID
- DRAINAGE AREA
- IMPERVIOUSNESS
- DRAINAGE AREA (ha)
- PROPOSED OVERLAND FLOW DIRECTION
- PROPOSED SIDEWALK
- PROPOSED CYCLE TRACK
- PROPOSED BUS PAD
- PROPOSED LOW IMPACT DEVELOPMENT
- PROPOSED ASPHALT
- PROPOSED PAVER MEDIAN
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED CURBLINE
- PROPOSED STORM SEWER
- PROPOSED LIMIT OF GRADING
- PROPOSED EASEMENT
- EXISTING PROPERTY LINE
- FUTURE RIGHT-OF-WAY

York Region Transportation Services

Design
DESIGN: K.C.H.
DRAWN: K.H.
CHECKED: F.S.

Engineering
E.O.C. Engineering
1000 Dundas Street East, Suite 200
Mississauga, Ontario L4X 1L3
Tel: (905) 874-1888
www.yorkregion.ca

Drawn
DUNSTON

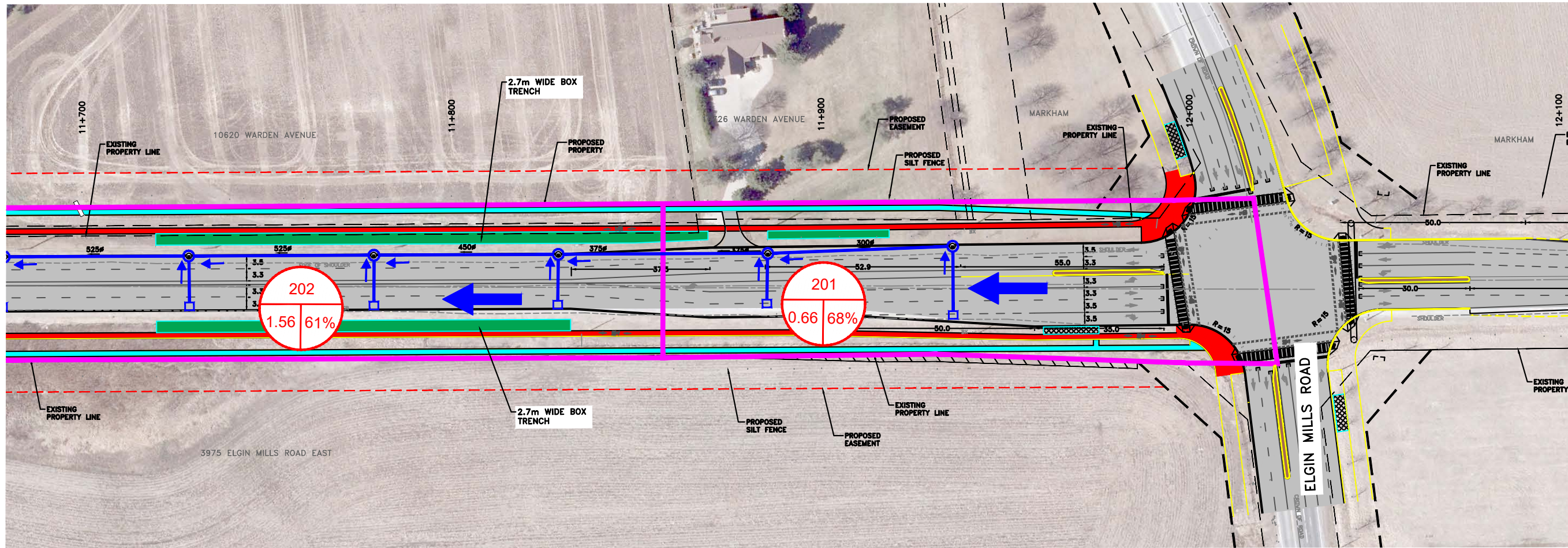
Drawn
DUNSTON

Checked
DUNSTON

Scale
1:1000

Sheet
01

Project
WARDEN AVENUE (Y.R.65)
PRELIMINARY PREFERRED
STORM WATER MANAGEMENT PLAN



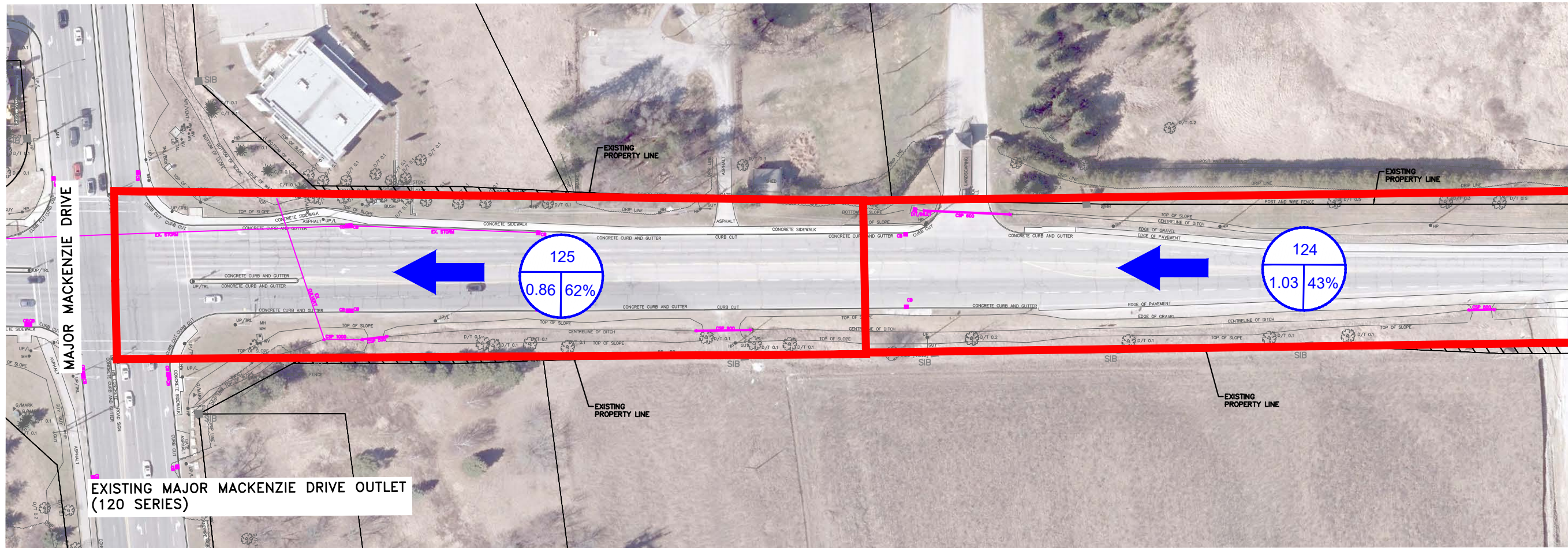
WARDEN AVENUE (Y.R.65)

LEGEND

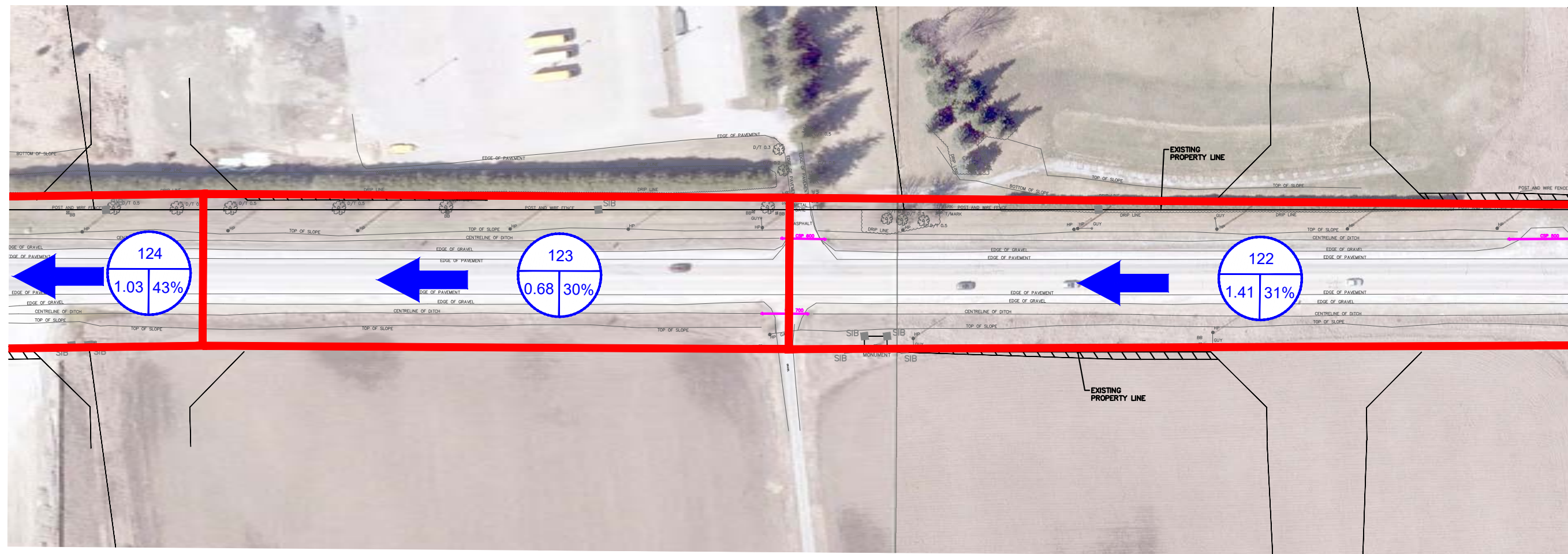
- STORM MAINTENANCE HOLE / CATCH BASINS
- CATCHMENT ID
- DRAINAGE AREA
- IMPERVIOUSNESS
- DRAINAGE AREA (ha)
- PROPOSED OVERLAND FLOW DIRECTION
- PROPOSED SIDEWALK
- PROPOSED CYCLE TRACK
- PROPOSED BUS PAD
- PROPOSED LOW IMPACT DEVELOPMENT
- PROPOSED ASPHALT
- PROPOSED PAVER MEDIAN
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED CURBLINE
- PROPOSED STORM SEWER
- PROPOSED LIMIT OF GRADING
- PROPOSED EASEMENT
- EXISTING PROPERTY LINE
- FUTURE RIGHT-OF-WAY

| | | |
|------------------|--|------------------------|
| | | DWG. NO. 2022-XXXX |
| DESIGN K.C.H. | | CONF. NO. 2022-XXXX |
| DRAWN K.H. | R. J. Bunsick & Associates Limited 8880 Cummer Drive, Unit 2 Markham, Ontario L3R 9S9 Tel: (905) 947-1888 www.rjbunswick.com | SHEET NO. 01 |
| CHECKED F.S. | WARDEN AVENUE (Y.R.65) PRELIMINARY PREFERRED STORM WATER MANAGEMENT PLAN | |

2022-XXXX-01 - Warden Avenue Storm Water Management Plan - Preliminary Preferred Storm Water Management Plan - Y.R.65



KENNEDY ROAD (Y.R 3)



KENNEDY ROAD (Y.R 3)

LEGEND

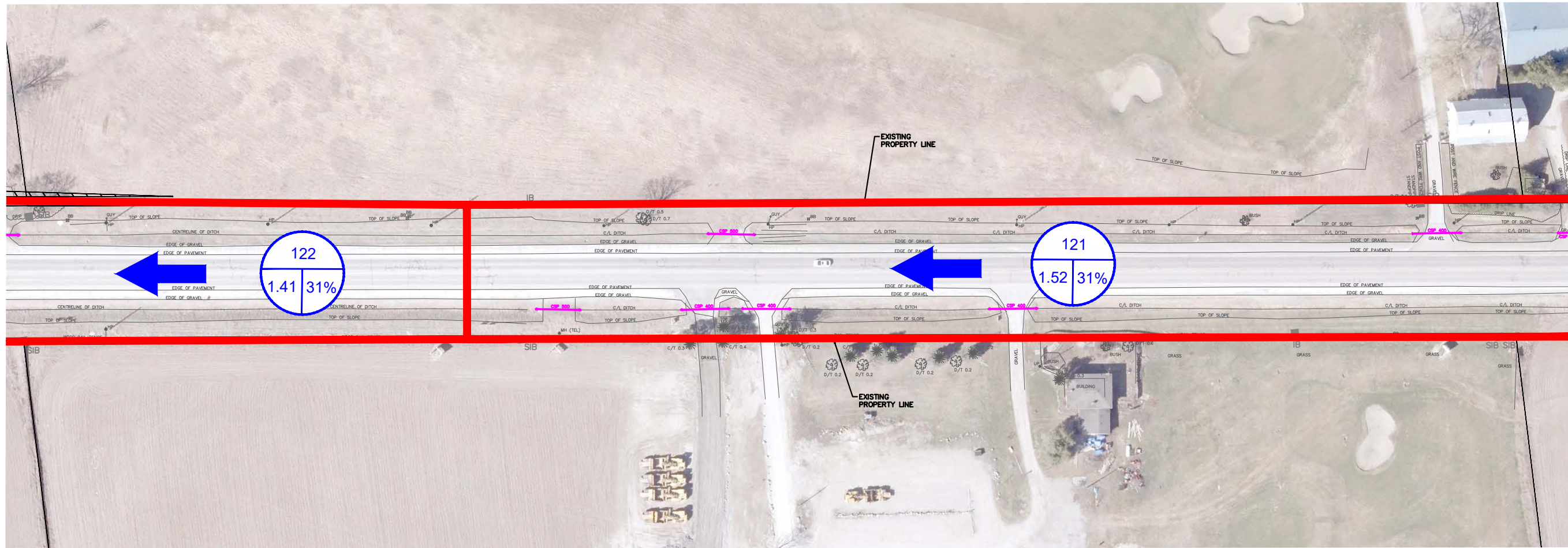
- CATCHMENT ID
- DRAINAGE AREA
- IMPERVIOUSNESS
- DRAINAGE AREA (ha)
- ➔ EXISTING OVERLAND FLOW DIRECTION
- EXISTING CATCHMENT BOUNDARY
- EXISTING STORM
- EXISTING PROPERTY LINE

York Region Transportation Services

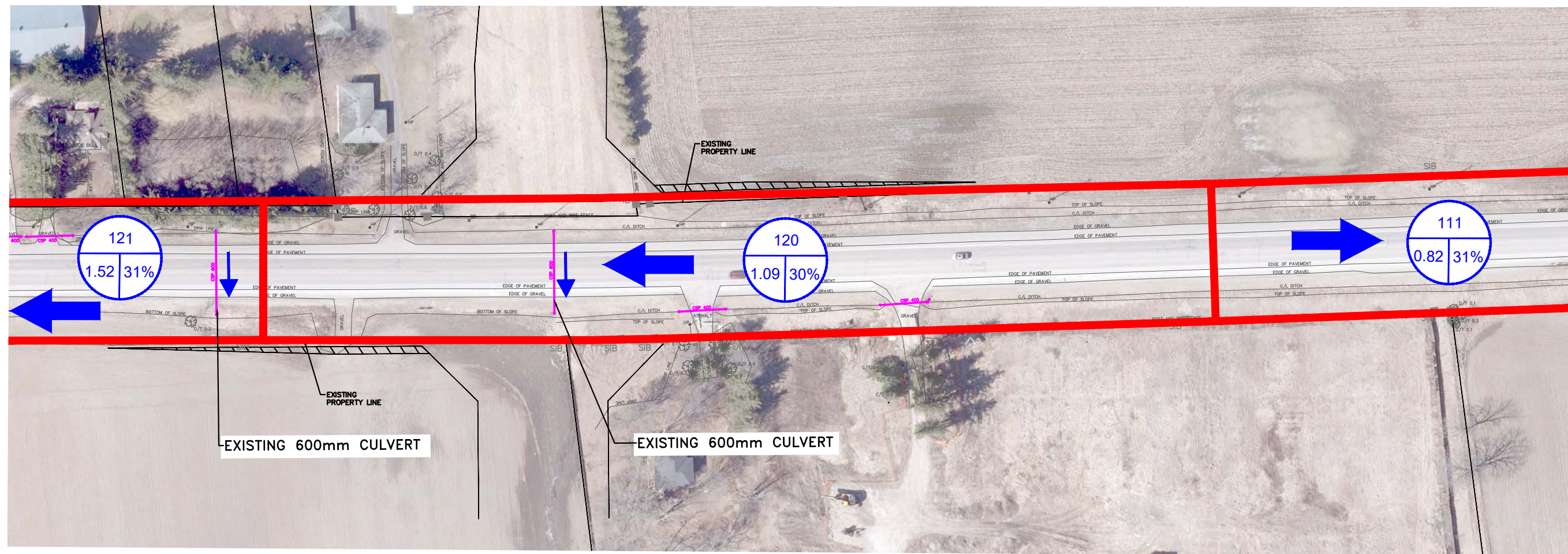
| | | | | |
|------------------|-----------------|-----------------|------------------|-----------------|
| DESIGN K.J.L. | DRAWN K.J.L. | CHECKED F.S. | DATE 2022-XXX | SHEET NO. 01 |
|------------------|-----------------|-----------------|------------------|-----------------|

Burns & McDonnell

**KENNEDY ROAD (Y.R.3)
PRELIMINARY PREFERRED
EXISTING SWM PLAN**



KENNEDY ROAD (Y.R. 3)



KENNEDY ROAD (Y.R. 3)

LEGEND

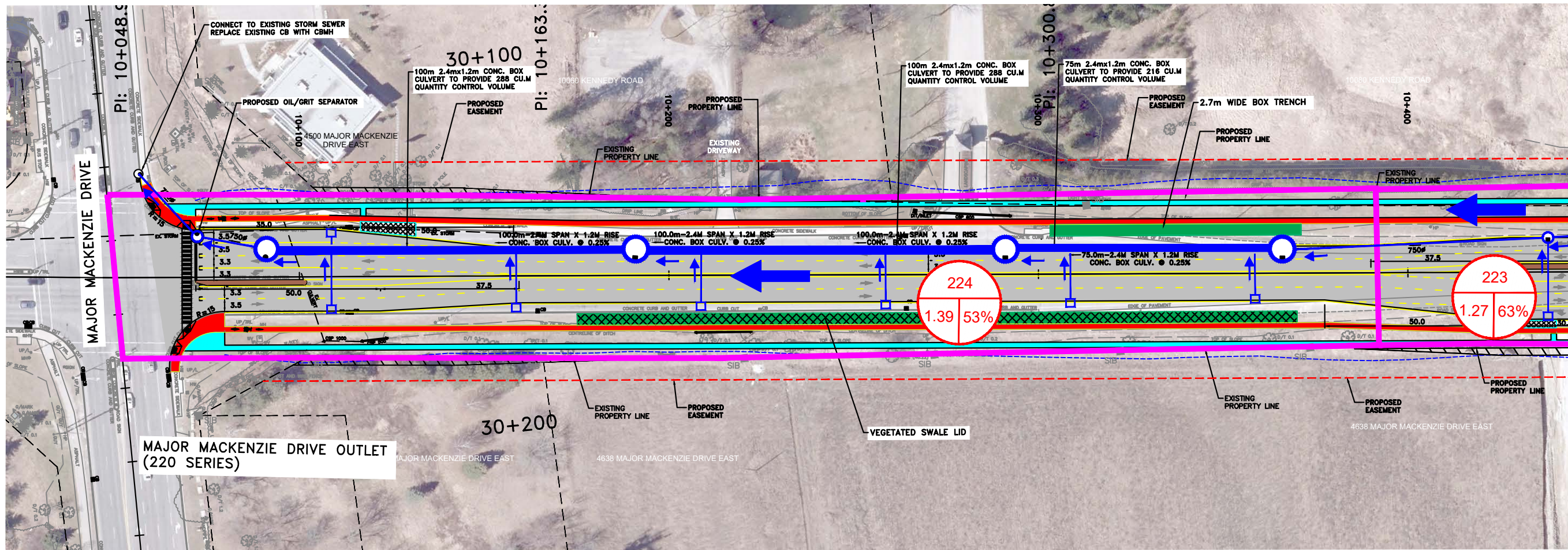
- 112 CATCHMENT ID
- 0.98 | 27% DRAINAGE AREA
- 0.98 | 27% IMPERVIOUSNESS
- 0.98 | 27% DRAINAGE AREA (ha)
- ➔ EXISTING OVERLAND FLOW DIRECTION
- EXISTING CATCHMENT BOUNDARY
- EXISTING STORM
- EXISTING PROPERTY LINE

York Region Transportation Services

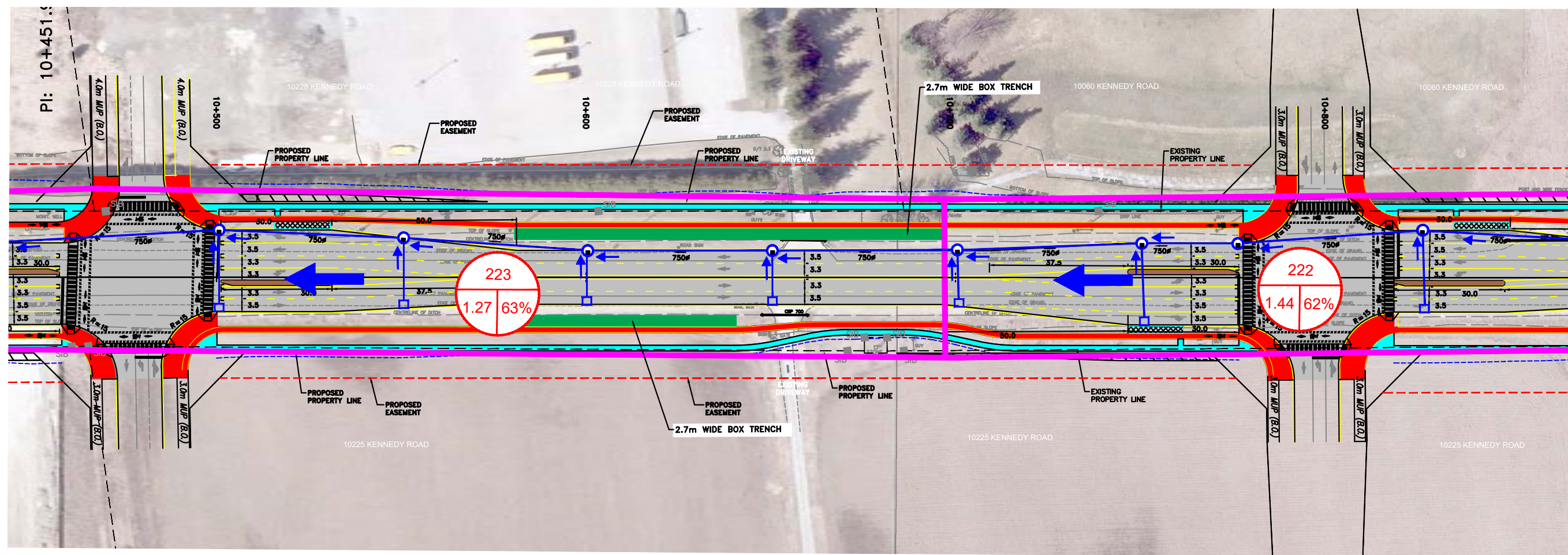
| | |
|-----------------|-----------------------|
| DESIGN K.H. | DWG. NO. 2022-XXX |
| DRAWN K.H. | CONF. NO. 2022-XXX |
| CHECKED E.S. | SHEET NO. 02 |

Burns & McDonnell

**KENNEDY ROAD (Y.R.3)
PRELIMINARY PREFERRED
DESIGN CONCEPT PLAN**



KENNEDY ROAD (Y.R 3)



KENNEDY ROAD (Y.R 3)

LEGEND

- STORM MAINTENANCE HOLE / CATCH BASINS
- CATCHMENT ID
- DRAINAGE AREA
- IMPERVIOUSNESS
- DRAINAGE AREA (ha)
- PROPOSED OVERLAND FLOW DIRECTION
- PROPOSED SIDEWALK
- PROPOSED CYCLE TRACK
- PROPOSED BUS PAD
- PROPOSED LOW IMPACT DEVELOPMENT
- PROPOSED ASPHALT
- PROPOSED PAVER MEDIAN
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED CURBLINE
- PROPOSED STORM SEWER
- PROPOSED LIMIT OF GRADING
- PROPOSED EASEMENT
- EXISTING PROPERTY LINE
- FUTURE RIGHT-OF-WAY

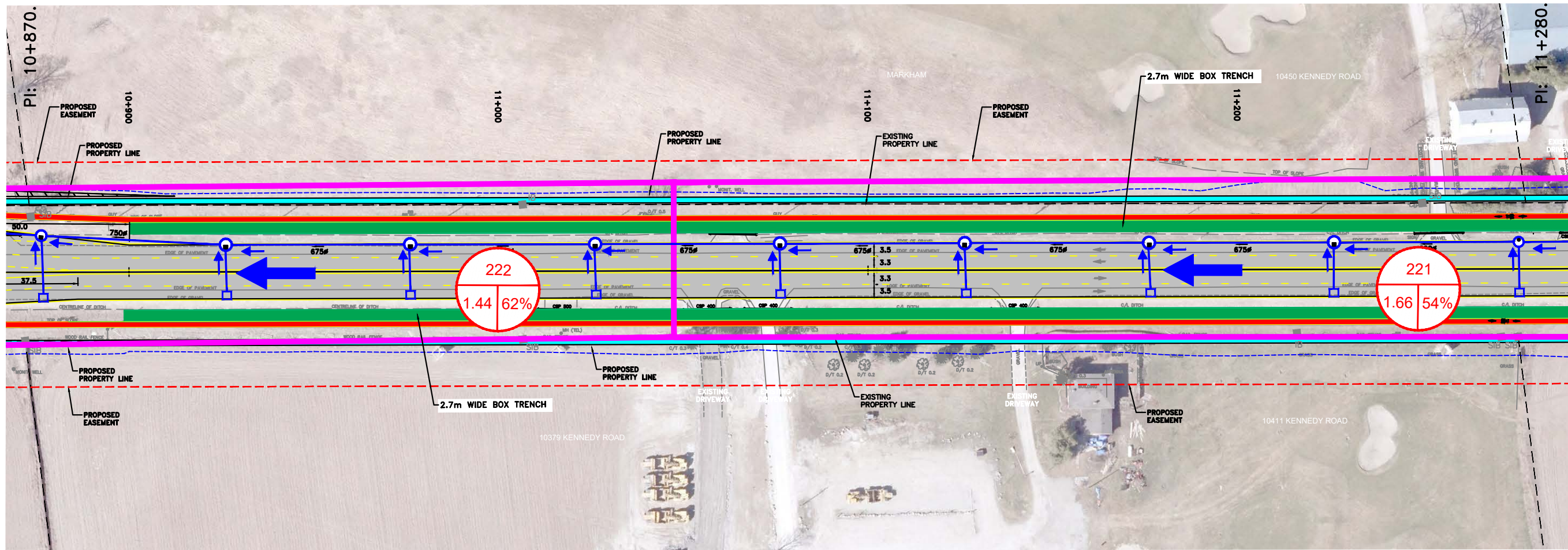
Transportation Services
York Region

Design
DESIGN: KCH
DRAWN: K.H
CHECKED: F.S.

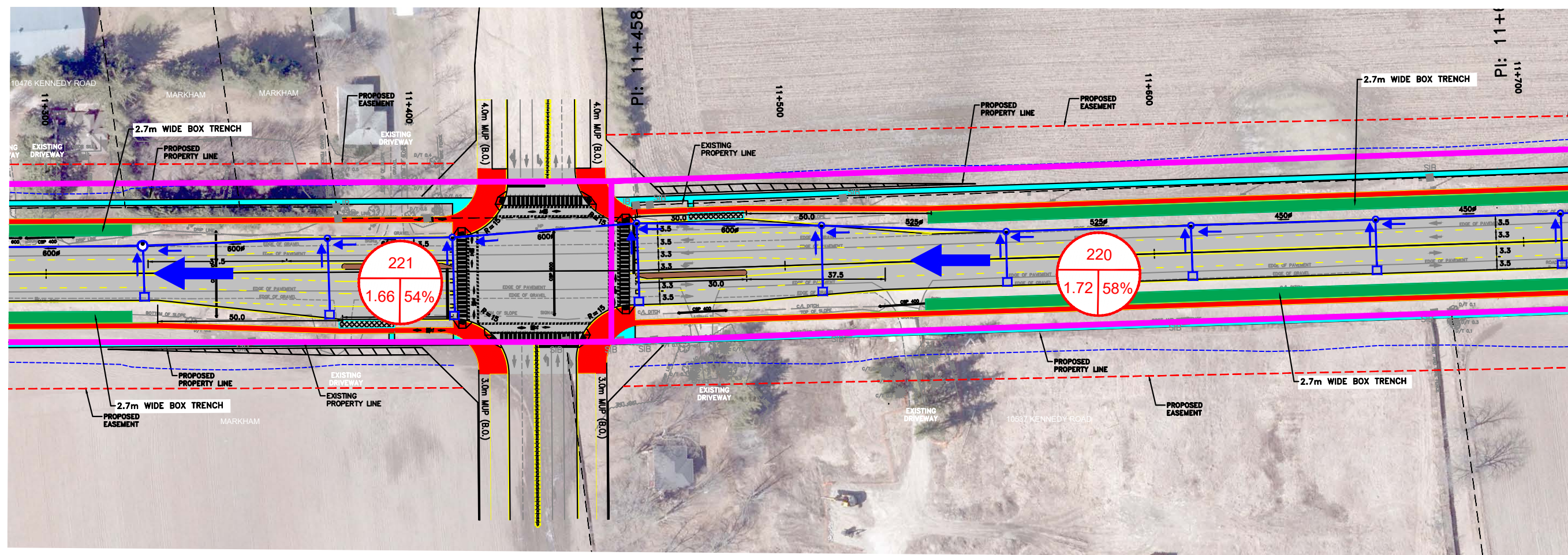
Client
R.J. Burdick & Associates Limited
2000 Dundas Street West, Suite 200
Mississauga, ON L4X 1L3
Tel: (905) 276-1888
www.rjbura.com

Project
NO. 2022-XXX
SHEET NO. 01

Project Name
KENNEDY ROAD (Y.R.3)
PRELIMINARY PREFERRED
STORM WATER MANAGEMENT PLAN



KENNEDY ROAD (Y.R 3)



KENNEDY ROAD (Y.R 3)

LEGEND

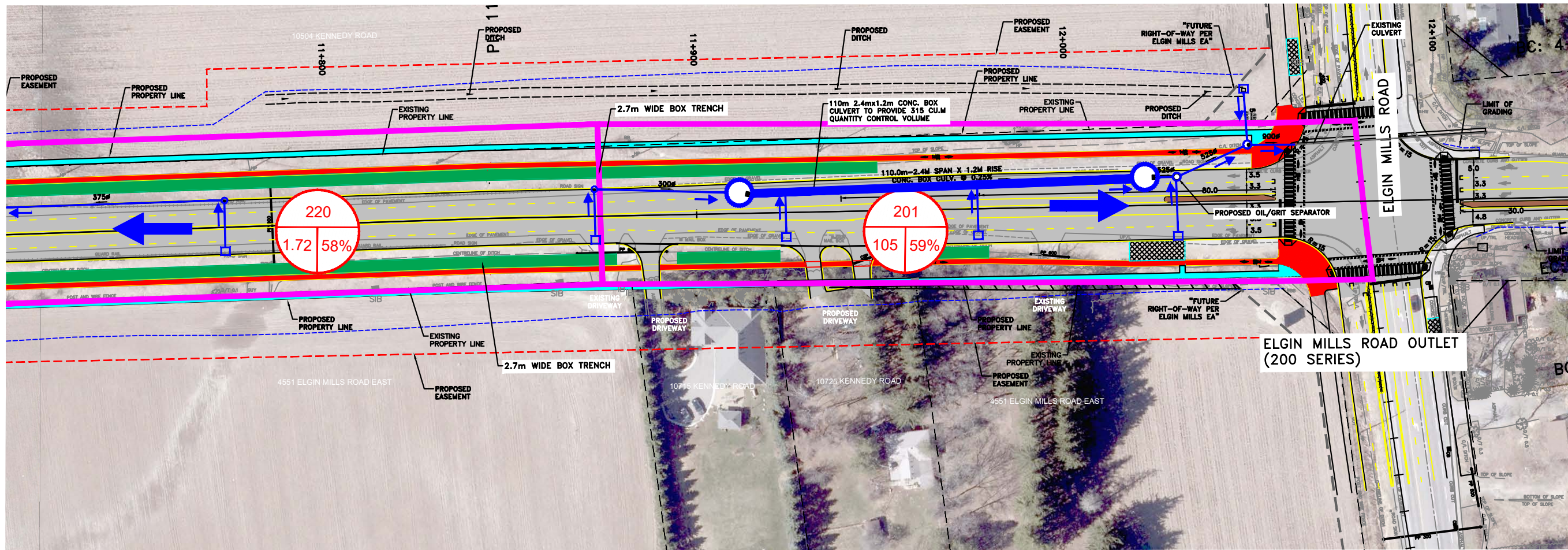
- STORM MAINTENANCE HOLE / CATCH BASINS
- CATCHMENT ID
- DRAINAGE AREA
- IMPERVIOUSNESS
- DRAINAGE AREA (ha)
- PROPOSED OVERLAND FLOW DIRECTION
- PROPOSED SIDEWALK
- PROPOSED CYCLE TRACK
- PROPOSED BUS PAD
- PROPOSED LOW IMPACT DEVELOPMENT
- PROPOSED ASPHALT
- PROPOSED PAVER MEDIAN
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED CURBLINE
- PROPOSED STORM SEWER
- PROPOSED LIMIT OF GRADING
- PROPOSED EASEMENT
- EXISTING PROPERTY LINE
- FUTURE RIGHT-OF-WAY

York Region Transportation Services

















Bunsick



KENNEDY ROAD (Y.R.3) PRELIMINARY PREFERRED STORM WATER MANAGEMENT PLAN

| | |
|----------------|---------------------|
| DESIGN: K.C.H. | DWG. NO.: SWM-02 |
| DRAWN: K.H. | CONF. NO.: 2022-XXX |
| CHECKED: F.S. | SHEET NO.: 02 |



KENNEDY ROAD (Y.R. 3)

- LEGEND
-  STORM MAINTENANCE HOLE / CATCH BASINS
 -  CATCHMENT ID
DRAINAGE AREA
IMPERVIOUSNESS
DRAINAGE AREA (ha)
 -  PROPOSED OVERLAND FLOW DIRECTION
 -  PROPOSED SIDEWALK
 -  PROPOSED CYCLE TRACK
 -  PROPOSED BUS PAD
 -  PROPOSED LOW IMPACT DEVELOPMENT
 -  PROPOSED ASPHALT
 -  PROPOSED PAVER MEDIAN
 -  PROPOSED CATCHMENT BOUNDARY
 -  PROPOSED CURBLINE
 -  PROPOSED STORM SEWER
 -  PROPOSED LIMIT OF GRADING
 -  PROPOSED EASEMENT
 -  EXISTING PROPERTY LINE
 -  FUTURE RIGHT-OF-WAY

| | | | |
|---|--|--|---|
|  | | DESIGNED: K.C.H. DRAWN: K.H. CHECKED: F.S. | ENGINEER: K.C.H. DATE: 2022-XX SHEET NO.: XX |
|  | | KENNEDY ROAD (Y.R.3) PRELIMINARY PREFERRED STORM WATER MANAGEMENT PLAN | |

