

# **APPENDIX 'B'**

## **PHASING & SIGNAGE PLAN**

# THE CITY OF WINNIPEG

## PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES DIVISION

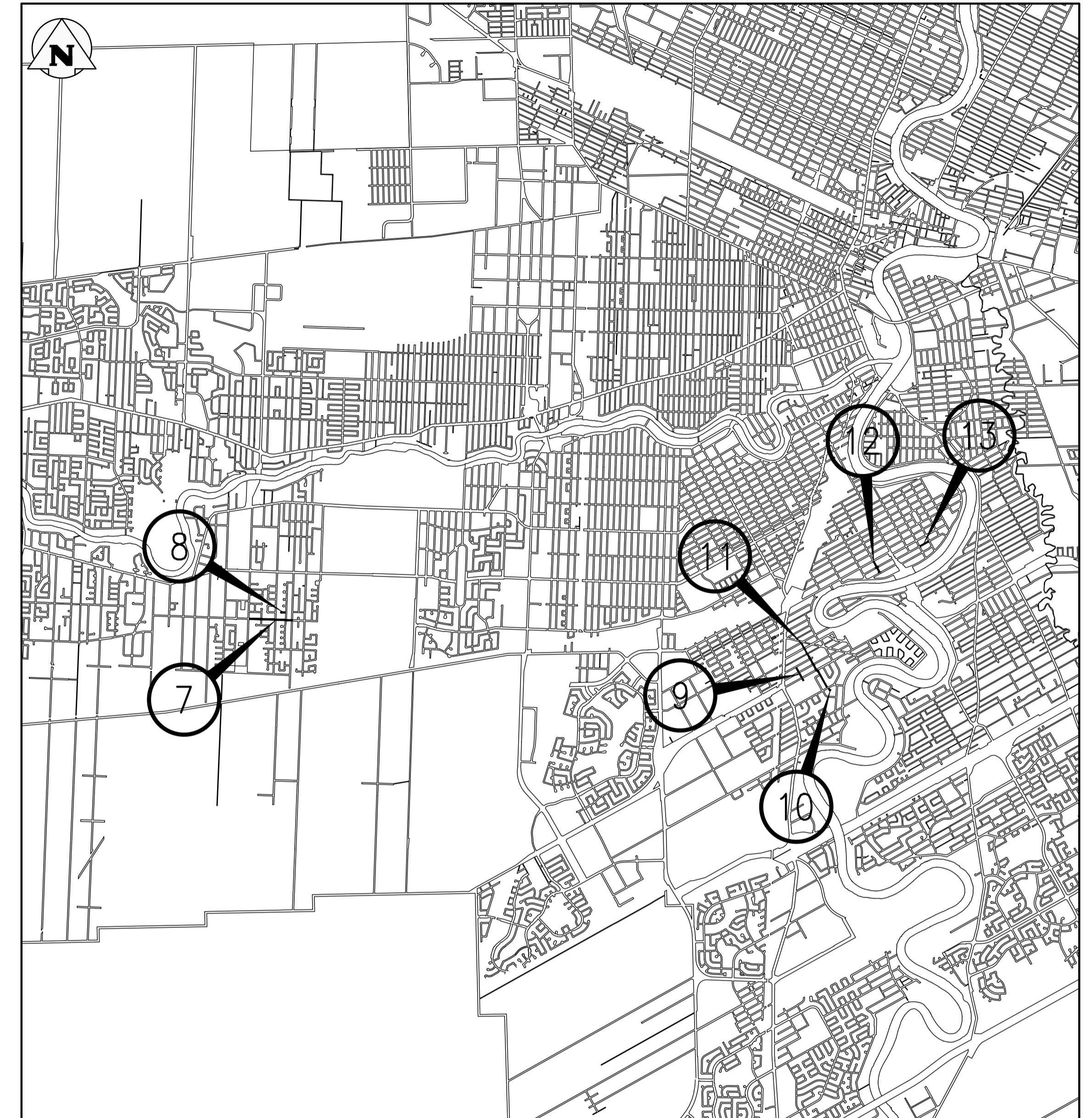
### TENDER NO. 463-2024

### 2024 LOCAL STREET RENEWALS: WICKLOW STREET AND VARIOUS OTHER LOCATIONS

### PHASING & SIGNAGE PLAN

PHASING & SIGNAGE PLAN INDEX

CONSULTANT DRAWING #	SHEET #	SITE #	TITLE
F-0001	1		MAP & LEGEND
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F-0702	3	7	ELDRIDGE AVE: ASPHALT REHABILITATION PHASE 1 & 2
F-0703	4		ELDRIDGE AVE: ASPHALT REHABILITATION PHASE 1 & 2
F-0704	5		ELDRIDGE AVE: ASPHALT REHABILITATION PHASE 1 & 2
F-0801	6	8	GHEENT COVE: MINOR REHABILITATION PHASE 1 & 2
F-0901	7		WOODGROVE STREET: ASPHALT REHABILITATION PHASE 1 & 2
F-0902	8	9	WOODGROVE STREET: ASPHALT REHABILITATION PHASE 1 & 2
F-1001	9	10	WICKLOW PLACE: ASPHALT RECONSTRUCTION FULL CLOSURE
F-1101	10		WICKLOW STREET: ASPHALT REHABILITATION PHASE 1 & 2
F-1102	11		WICKLOW STREET: ASPHALT REHABILITATION PHASE 1 & 2
F-1103	12	11	WICKLOW STREET: ASPHALT REHABILITATION PHASE 1 & 2
F-1104	13		WICKLOW STREET: ASPHALT REHABILITATION PHASE 1 & 2
F-1105	14		WICKLOW STREET: ASPHALT REHABILITATION PHASE 1 & 2
F-1201	15	12	NASSAU STREET: MAJOR REHABILITATION PHASE 1 & 2
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F-1301	17	13	MONTGOMERY AVENUE: MAJOR REHABILITATION FULL CLOSURE



SITE LOCATION PLAN

GENERAL NOTES:

- ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
- PERFORM WORK IN PHASES & STAGES TO MINIMIZE IMPACT TO TRAFFIC FLOW AND ACCESS TO RESIDENCES.
- NOT ALL REQUIRED SIGNAGE IS SHOWN FOR EACH PHASE & SUB-PHASE. ADDITIONAL SIGNAGE TO PROVIDED IN ACCORDANCE WITH THE MTTC.
- THE PERMANENT POSTED SPEED LIMIT OF 50 KM/HR SHALL BE USED FOR ALL TAPER LENGTHS AND OTHER CRITERIA IN THE MTTC.
- CONTRACTOR SHALL SUBMIT THE PEDESTRIAN ACCESSIBILITY PLAN FOR REVIEW & ACCEPTANCE BY THE CONTRACT ADMINISTRATOR.
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PEDESTRIAN ACCOMMODATION:  
WHERE PEDESTRIANS CROSS THE WORK SITE A LOW BARRIER SHALL BE USED IN ACCORDANCE WITH THE MTTC.  
AN ACCEPTABLE SOLUTION IS TO USE PYLONS IN CONJUNCTION WITH BARRIERS

- WARNING FLAGS
- REFLECTORIZED BARRICADE
- CHANNELIZATION BARREL
- TALL CONE
- PEDESTRIANS
- TEMPORARY TRAFFIC FLOW
- NORMAL TRAFFIC FLOW

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION

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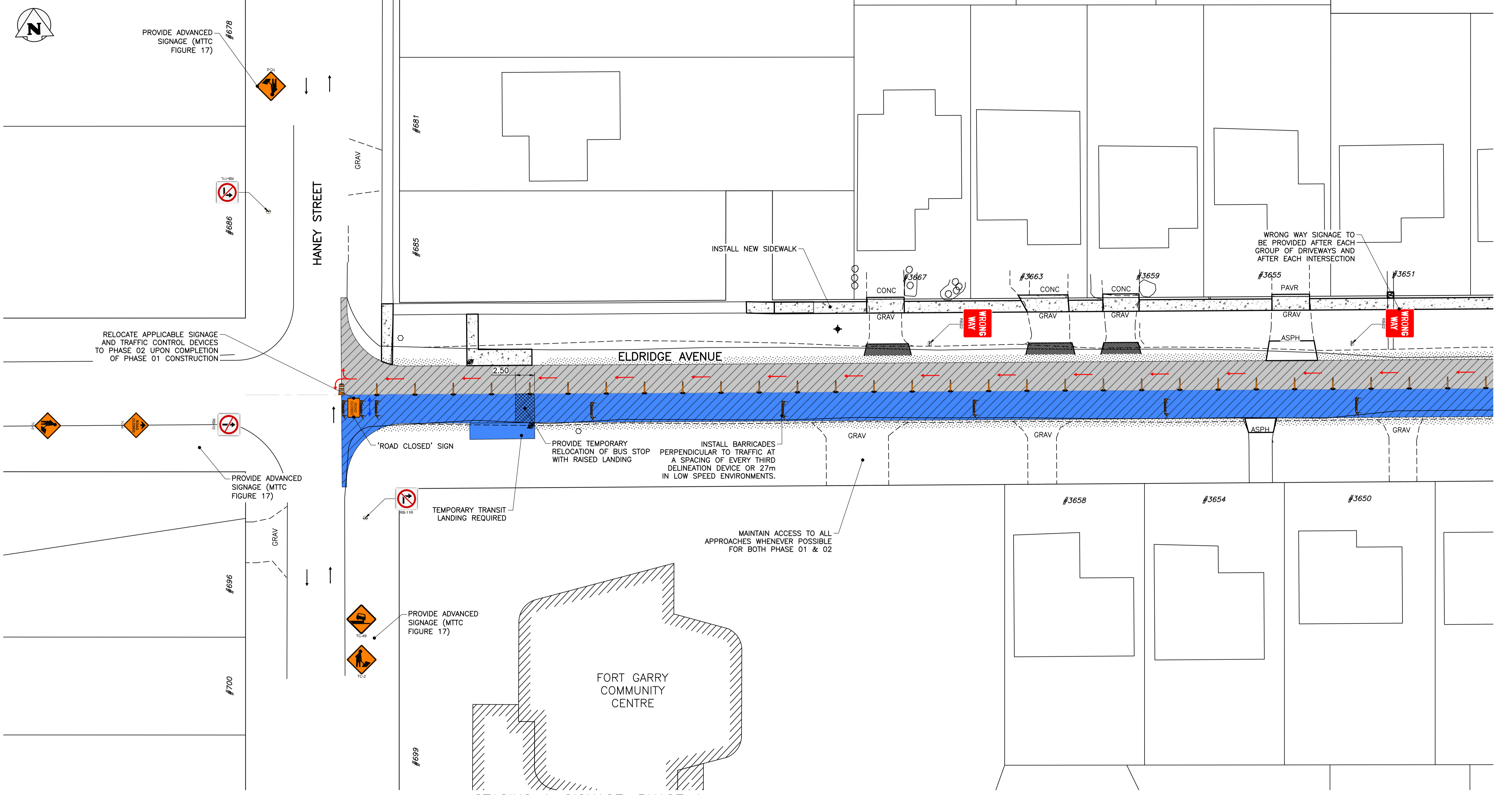
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PHASING & SIGNAGE PLAN:  
MAP & LEGEND

SHEET	OF
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COMPUTER FILE NAME	
23-0107-018_C2	
FIGURE	
F-0001	

TENDER NO. 463-2024  
CONTRACT 2

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**STAGING & SIGNAGE: PHASE 1**  
SCALE: 1:250

← PEDESTRIANS  
 → TEMPORARY TRAFFIC FLOW

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**TRAFFIC MANAGEMENT: ELDRIDGE AVENUE ASPHALT REHABILITATION**

- PERFORM WORK IN TWO PHASES, LANE-AT-A-TIME.
  - PHASE 1: MILL & FILL THE WESTBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE EASTBOUND LANE.
  - PHASE 2: MILL & FILL THE EASTBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE WESTBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

**PHASE 2**

- MIRROR TRAFFIC SIGNAGE TO MAINTAIN EASTBOUND TRAFFIC WHILE CLOSING THE WESTBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- ADJUST SIGNAGE FOLLOWING THE MTTC FOR NORTHBOUND TRAFFIC FLOW.
- FOR PHASE 2, GUELPH CAN BE CLOSED AT LORETTE.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

█ PHASE 01 LANE CLOSURE  
 █ PHASE 02 LANE CLOSURE

**PROPERTY LIMITS DELINEATION**

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**METRIC**

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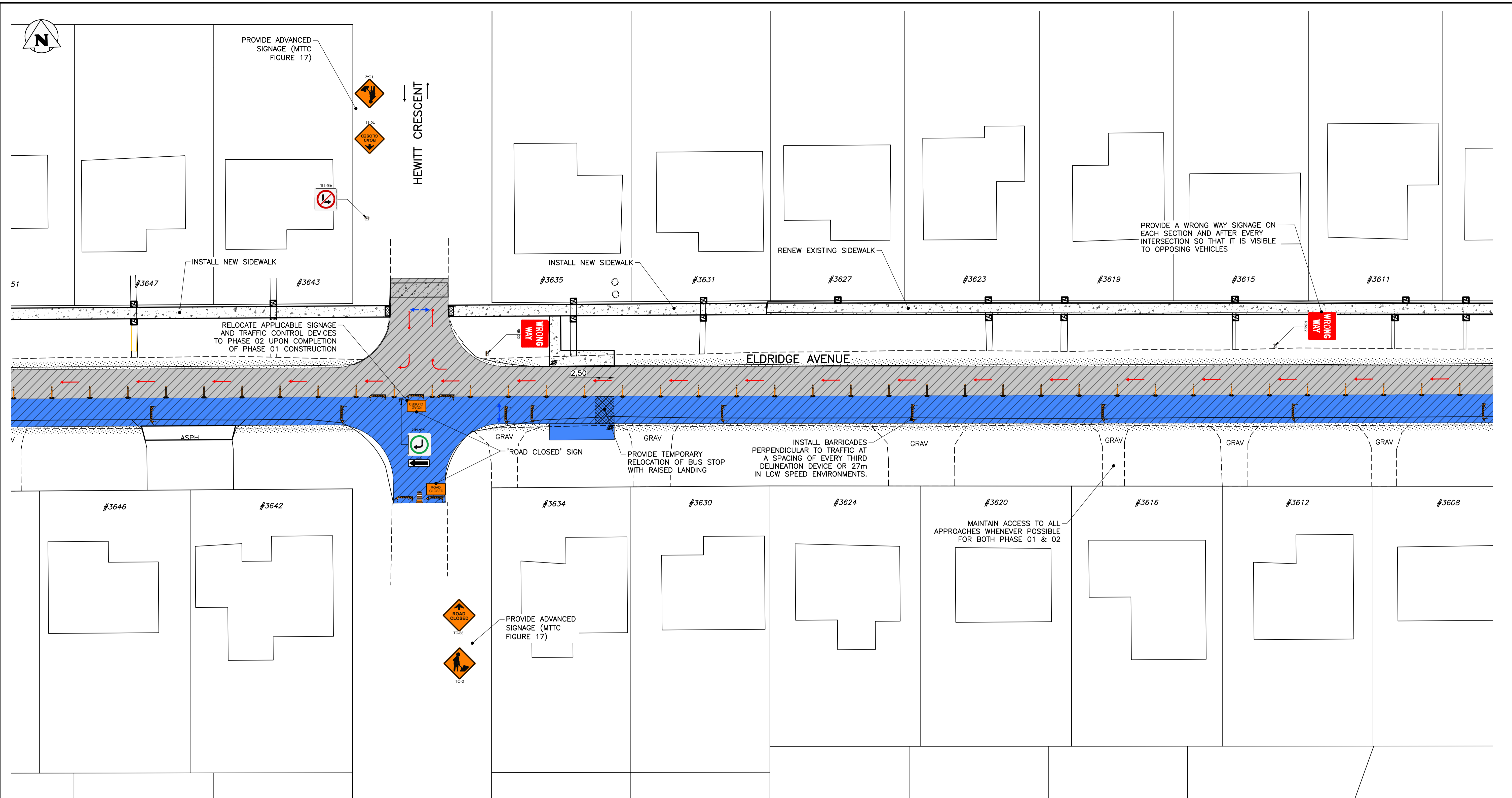
**THE CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT  
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 ENGINEERING DIVISION

PROJECT TITLE  
**2024 LOCAL STREET RENEWAL PROGRAM**

PHASING & SIGNAGE PLAN:  
ELDRIDGE AVE: ASPHALT REHABILITATION  
PHASE 1 & 2

SHEET 02 OF 17  
COMPUTER FILE NAME 23-0107-018\_C2  
FIGURE F-0701

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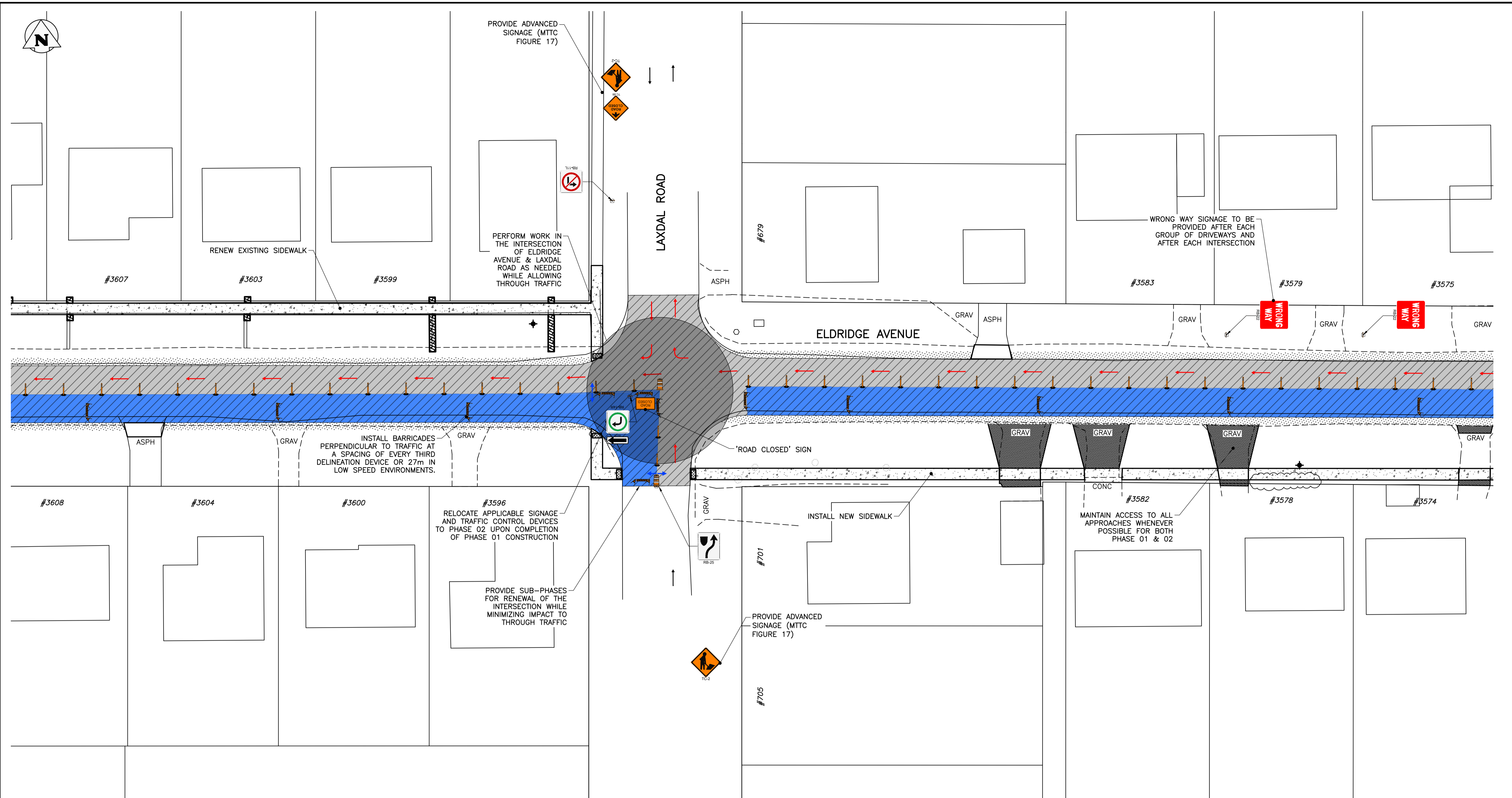
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PROJECT TITLE  
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SHEET 03 OF 17  
COMPUTER FILE NAME 23-0107-018\_C2  
FIGURE F-0702

PHASING & SIGNAGE PLAN:  
ELDRIDGE AVE: ASPHALT REHABILITATION  
PHASE 1 & 2

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**STAGING & SIGNAGE: PHASE 1**  
SCALE: 1:250

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**TRAFFIC MANAGEMENT: ELDRIDGE AVENUE ASPHALT REHABILITATION**

1. PERFORM WORK IN TWO PHASES, LANE-AT-A-TIME.

1.A. PHASE 1: MILL & FILL THE WESTBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE EASTBOUND LANE.

1.B. PHASE 2: MILL & FILL THE EASTBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE WESTBOUND LANE.

2. PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.

3. PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

**PHASE 2**

1. MIRROR TRAFFIC SIGNAGE TO MAINTAIN EASTBOUND TRAFFIC WHILE CLOSING THE WESTBOUND LANE.

2. PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.

3. ADJUST SIGNAGE FOLLOWING THE MTTC FOR NORTHBOUND TRAFFIC FLOW.

4. FOR PHASE 2, LAXDAL ROAD CAN BE CLOSED AT ASCOT BAY WITH ROAD CLOSED SIGN AND 'NO EXIT' TAB.

5. PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

PHASE 01 LANE CLOSURE  
 PHASE 02 LANE CLOSURE

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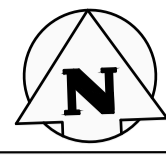
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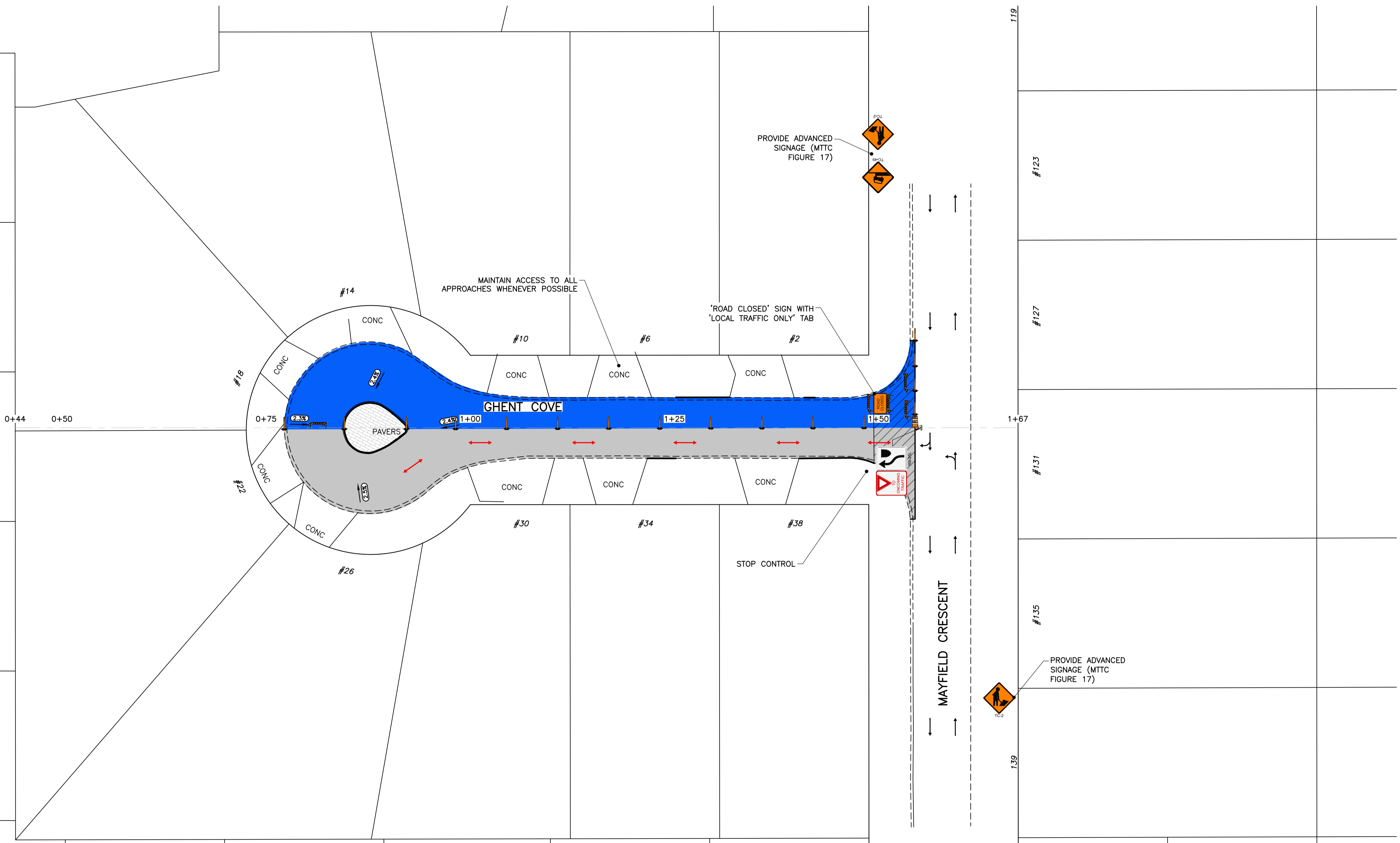
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SHEET 04 OF 17  
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23-0107-018\_C2  
FIGURE  
F-0703





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**STAGING & SIGNAGE: PHASE 1 & 2**  
SCALE: 1:250

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- STAGE SIDEWALK WORK SUCH THAT PEDESTRIAN ACCESS IS MAINTAINED ALONG ONE SIDE OF EACH ROADWAY AT ALL TIMES.
- PROVIDE ADVANCED CONSTRUCTION & SIDEWALK CLOSED/DETOUR SIGNAGE IN ACCORDANCE WITH THE MTTC. PROVIDE SMALL CONES IN CENTRE WHERE BARRICADES. GUIDE PEDESTRIANS THROUGH THE CONSTRUCTION ZONE.

**TRAFFIC MANAGEMENT: GHEHT COVE ASPHALT REHABILITATION**

- PERFORM WORK IN TWO PHASES, LANE-AT-A-TIME.
  - PHASE 1: MILL & FILL THE WESTBOUND LANE WHILE MAINTAINING TWO-WAY TRAFFIC FLOW ON THE EASTBOUND LANE.
  - PHASE 2: MILL & FILL THE EASTBOUND LANE WHILE MAINTAINING TWO-WAY TRAFFIC FLOW ON THE WESTBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

**PHASE 2**

- MIRROR TRAFFIC SIGNAGE TO MAINTAIN EASTBOUND TRAFFIC WHILE CLOSING THE WESTBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- ADJUST SIGNAGE FOLLOWING THE MTTC FOR NORTHBOUND TRAFFIC FLOW.
- PROVIDE TWO-WAY FLOW FOR LOCAL TRAFFIC.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

▬ PHASE 01 LANE CLOSURE  
▬ PHASE 02 LANE CLOSURE

**PROPERTY LIMITS DELINEATION**  
DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**PRELIMINARY**  
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NO.	REVISIONS	DATE	BY
A	ISSUED FOR REVIEW	2024/07/10	GES

TENDER NO. 463-2024  
CONTRACT 2

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
**Winnipeg ENGINEERING DIVISION**

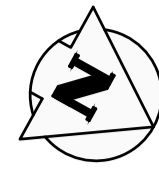
PROJECT TITLE  
**2024 LOCAL STREET RENEWAL PROGRAM**

SHEET OF  
**06 17**

COMPUTER FILE NAME  
**23-0107-018\_C2**

FIGURE  
**F-0801**

PHASING & SIGNAGE PLAN:  
GHEHT COVE: MINOR REHABILITATION  
FULL CLOSURE



GARRY HOBSON MEMORIAL PARK

FLAGGERS TO CONTROL TRAFFIC DURING CONSTRUCTION & CONTRACTOR TO RE-OPEN ALL LANES DURING NIGHT TIME

NOTE: CONTRACTOR WILL NEED TO IMPLEMENT ADDITIONAL SUB-PHASES SO THAT ACCESS IN/OUT IS MAINTAINED.

ONLY ONE ACCESS TO COMMUNITY CENTRE.

FORT GARRY COMMUNITY CENTRE

PUBLIC LANE

PUBLIC LANE

### STAGING & SIGNAGE: PHASE 1

SCALE: 1:250

PHASE 01 LANE CLOSURE  
PHASE 02 LANE CLOSURE

PEDESTRIANS  
TEMPORARY TRAFFIC FLOW

#### GENERAL NOTES:

- ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
- PERFORM WORK IN PHASES & STAGES TO MINIMIZE IMPACT TO TRAFFIC FLOW AND ACCESS TO RESIDENCES.
- NOT ALL REQUIRED SIGNAGE IS SHOWN FOR EACH PHASE & SUB-PHASE. ADDITIONAL SIGNAGE TO PROVIDED IN ACCORDANCE WITH THE MTTC.
- THE PERMANENT POSTED SPEED LIMIT OF 50 KM/HR SHALL BE USED FOR ALL TAPER LENGTHS AND OTHER CRITERIA IN THE MTTC.
- CONTRACTOR SHALL SUBMIT THE PEDESTRIAN ACCESSIBILITY PLAN FOR REVIEW & ACCEPTANCE BY THE CONTRACT ADMINISTRATOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, THE SUPPLY, PLACEMENT & MAINTENANCE OF ALL TEMPORARY TRAFFIC CONTROL SIGNAGE IN ACCORDANCE WITH THE TENDER.
- ALL LANE CLOSURE REQUESTS MUST BE SUBMITTED THROUGH THE CONTRACT ADMINISTRATOR & ARE SUBJECT TO THE APPROVAL OF THE TRAFFIC MANAGEMENT BRANCH.
- CONTRACTOR TO PROVIDE FLAGPERSONS IN ACCORDANCE WITH THE MTTC WHEN MOVING MATERIALS OR EQUIPMENT INTO OR OUT OF TRAFFIC.
- CONTRACTOR SHALL PROVIDE FLAGPERSONS DURING ALL ASPHALT PLACEMENT AT THE PROJECT LIMITS TO MINIMIZE IMPACT TO TRAFFIC.
- WHEN FLAGPERSONS ARE PRESENT, FLAGPERSON SIGNAGE MUST BE PLACED IN ACCORDANCE WITH THE MTTC.

- WHEN FLAGPERSONS ARE NOT PRESENT, THE FLAGPERSON SIGNAGE MUST BE REMOVED OR HIDDEN.
- PROVIDE TEMPORARY RAMPS & CROSSING WHERE DIRECTED BY CONTRACT ADMINISTRATOR & IN ACCORDANCE WITH THE ACCESSIBILITY PLAN FOR PEDESTRIAN CROSSINGS WHILE PERFORMING WORK IN THE INTERSECTIONS AND APPROACHES.
- INSTALL WARNING FLAGS IN ACCORDANCE WITH MTTC 3.07.04 ON THE FIRST WARNING SIGN IN EACH LANE DROP TAPER.
- WHERE A LANE IS REQUIRED TO BE CLOSED ON MAJOR INTERSECTING STREETS PERFORM THE WORK ON THE TIE-IN DURING OFF PEAK-HOURS.
- TEMPORARY TRANSIT LANDINGS WILL BE REQUIRED FOR ANY TEMPORARY TRANSIT STOP RELOCATIONS IN ACCORDANCE WITH THE MTTC.
- CONTRACTOR TO MONITOR & MAINTAIN THE TEMPORARY SIGNAGE FOR THE DURATION OF THE PROJECT & MODIFY AS NEEDED FOR EACH STAGE OF THE WORKS.
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- STAGE SIDEWALK WORK SUCH THAT PEDESTRIAN ACCESS IS MAINTAINED ALONG ONE SIDE OF EACH ROADWAY AT ALL TIMES.
- PROVIDE ADVANCED CONSTRUCTION & SIDEWALK CLOSED/DETOUR SIGNAGE IN ACCORDANCE WITH THE MTTC. PROVIDE SMALL CONES IN CENTRE WHERE BARRICADES. GUIDE PEDESTRIANS THROUGH THE CONSTRUCTION ZONE.

PHASE 2  
MIRROR TRAFFIC SIGNAGE TO MAINTAIN NORTHBOUND TRAFFIC WHILE CLOSING THE SOUTHBOUND LANE.  
ADJUST SIGNAGE FOLLOWING THE MTTC FOR SOUTHEAST-BOUND TRAFFIC FLOW.  
FOR PHASE 2, OAKENWALD AVENUE CAN BE CLOSED AT WICKLOW STREET.  
PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

TRAFFIC MANAGEMENT: WOODGROVE STREET ASPHALT REHABILITATION

- PERFORM WORK LANE-AT-A-TIME IN TWO PHASES.
- ADDITIONAL SUB-PHASES WILL BE REQUIRED FOR WORK IN INTERSECTIONS.
- MAINTAIN ACCESS TO PRIVATE APPROACHES.
- PROVIDE TEMPORARY TRANSIT LANDINGS IN ACCORDANCE WITH THE MTTC - FIGURE 19 FOR TRANSIT LANDINGS.
- MAINTAIN NATURAL TRAFFIC FLOW FOR EACH PHASE.
- PROVIDE ADDITIONAL SIGNAGE FOR WORK IN INTERSECTIONS IN ACCORDANCE WITH THE MTTC.
- PROVIDE ADVANCED SIGNAGE ALONG EACH ADJOINING STREET IN ACCORDANCE WITH THE MTTC.
- SEE MTTC FIGURE 27.

TENDER NO. 463-2024  
CONTRACT 2

**PRELIMINARY**  
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**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
**KGS GROUP**  
ENGINEERING DIVISION

PROJECT TITLE  
2024 LOCAL STREET RENEWAL PROGRAM

SHEET OF  
07 OF 17

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23-0107-018\_C2

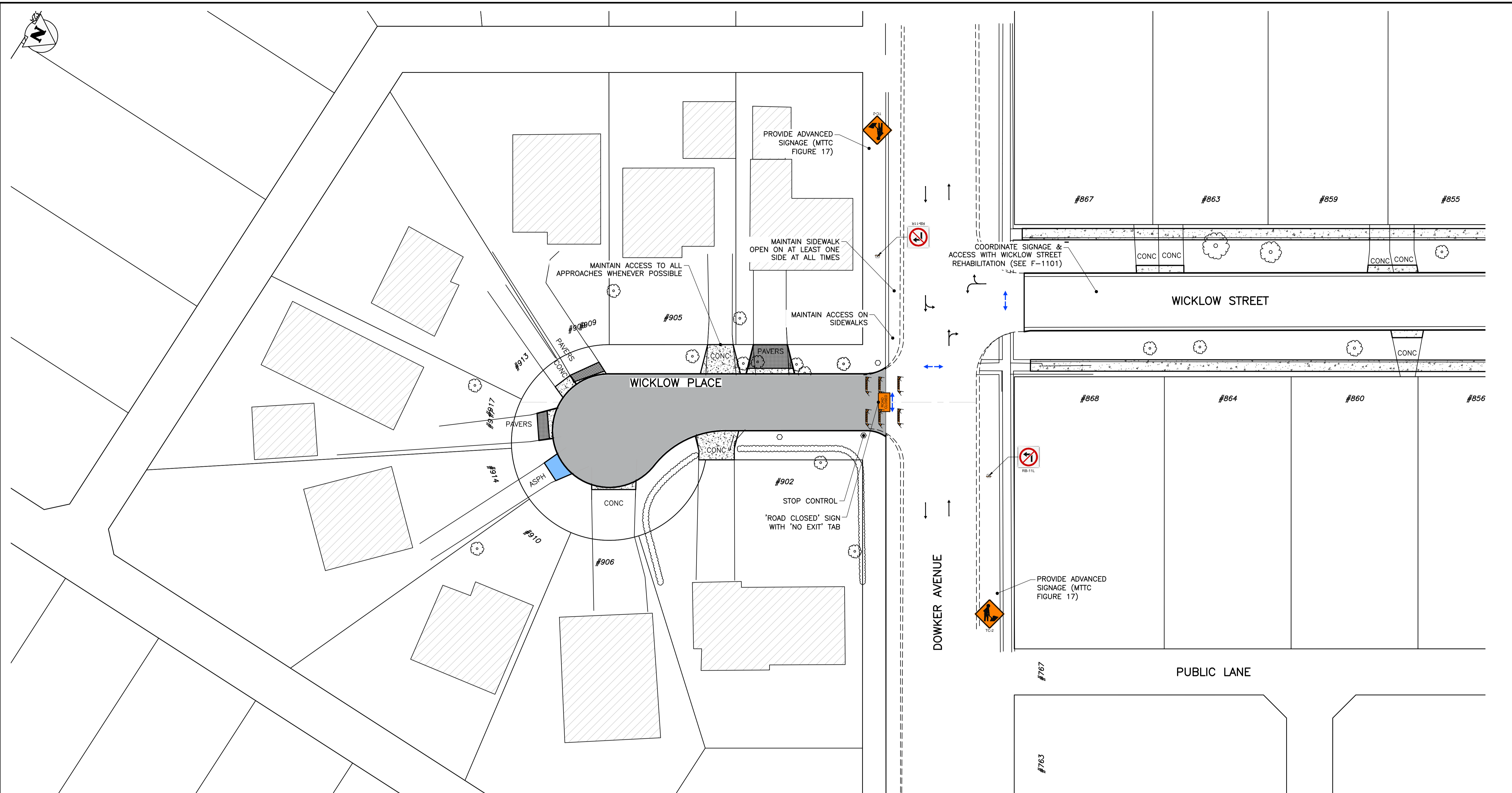
FIGURE  
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PHASING & SIGNAGE PLAN:  
WOODGROVE STREET: ASPHALT REHABILITATION  
PHASE 1 & 2





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**STAGING & SIGNAGE: FULL CLOSURE**  
SCALE: 1:250

←→ PEDESTRIANS  
 → TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

1. ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
2. PERFORM WORK IN PHASES & STAGES TO MINIMIZE IMPACT TO TRAFFIC FLOW AND ACCESS TO RESIDENCES.
3. NOT ALL REQUIRED SIGNAGE IS SHOWN FOR EACH PHASE & SUB-PHASE. ADDITIONAL SIGNAGE TO PROVIDED IN ACCORDANCE WITH THE MTTC.
4. THE PERMANENT POSTED SPEED LIMIT OF 50 KM/HR SHALL BE USED FOR ALL TAPER LENGTHS AND OTHER CRITERIA IN THE MTTC.
5. CONTRACTOR SHALL SUBMIT THE PEDESTRIAN ACCESSIBILITY PLAN FOR REVIEW & ACCEPTANCE BY THE CONTRACT ADMINISTRATOR.
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13. INSTALL WARNING FLAGS IN ACCORDANCE WITH MTTC 3.07.04 ON THE FIRST WARNING SIGN IN EACH LANE DROP TAPER.
14. WHERE A LANE IS REQUIRED TO BE CLOSED ON MAJOR INTERSECTING STREETS PERFORM THE WORK ON THE TIE-IN DURING OFF PEAK-HOURS.
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19. PROVIDE ADVANCED CONSTRUCTION & SIDEWALK CLOSED/DETOUR SIGNAGE IN ACCORDANCE WITH THE MTTC. PROVIDE SMALL CONES IN CENTRE WHERE BARRICADES. GUIDE PEDESTRIANS THROUGH THE CONSTRUCTION ZONE.

**TRAFFIC MANAGEMENT: WICKLOW PLACE ASPHALT RECONSTRUCTION**

1. FULL CLOSURE PERMITTED ON WICKLOW PLACE AT DOWKER AVENUE.
2. PROVIDE ADVANCED SIGNAGE.
3. COORDINATE PHASING, SIGNAGE, & ACCESS WITH WICKLOW STREET ASPHALT REHABILITATION AS PART OF TENDER 463-2024.
4. PROVIDE CLEAR PATHWAY ON BOULEVARD FOR RESIDENTS TO ACCESS THEIR PROPERTIES

**PROPERTY LIMITS DELINEATION**

DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

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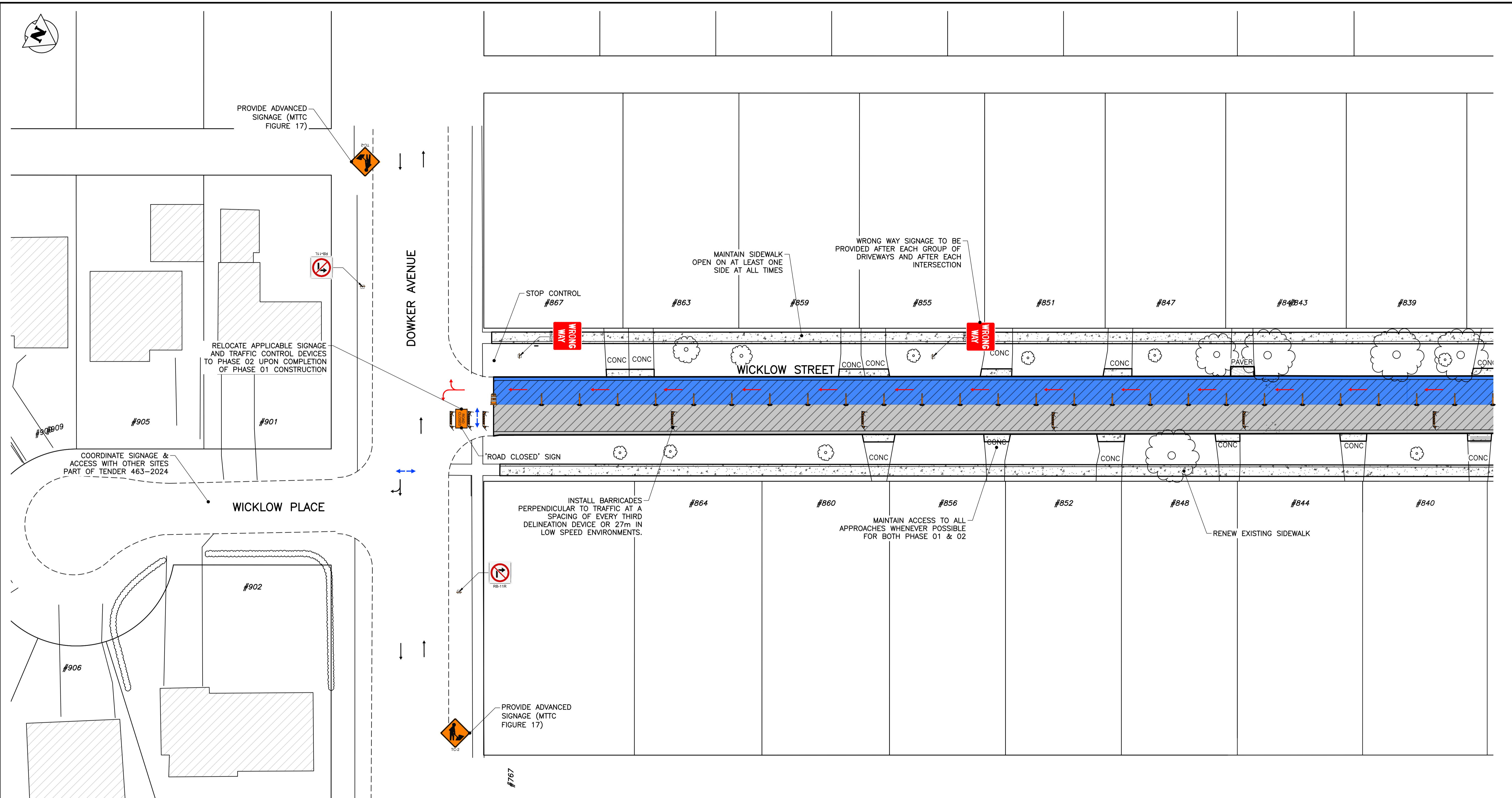
TENDER NO. 463-2024  
CONTRACT 2

PROJECT TITLE  
**2024 LOCAL STREET RENEWAL PROGRAM**

PHASING & SIGNAGE PLAN:  
**WICKLOW PLACE: ASPHALT RECONSTRUCTION  
FULL CLOSURE**

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FIGURE	
F-1001	

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**STAGING & SIGNAGE: PHASE 1**  
SCALE: 1:250

←→ PEDESTRIANS  
 → TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

- ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
- PERFORM WORK IN PHASES & STAGES TO MINIMIZE IMPACT TO TRAFFIC FLOW AND ACCESS TO RESIDENCES.
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**TRAFFIC MANAGEMENT: WICKLOW STREET ASPHALT REHABILITATION**

- PERFORM WORK IN TWO PHASES, LANE-AT-A-TIME.
  - PHASE 1: MILL & FILL THE MEDIAN NORTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE SOUTHBOUND LANE.
  - PHASE 2: MILL & FILL THE SOUTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE NORTHBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

**PHASE 2**

- MIRROR TRAFFIC SIGNAGE TO MAINTAIN EASTBOUND TRAFFIC WHILE CLOSING THE WESTBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- ADJUST SIGNAGE FOLLOWING THE MTTC FOR NORTHBOUND TRAFFIC FLOW.
- FOR PHASE 2, GUELPH CAN BE CLOSED AT LORETTE.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

█ PHASE 01 LANE CLOSURE  
 █ PHASE 02 LANE CLOSURE

**PROPERTY LIMITS DELINEATION**

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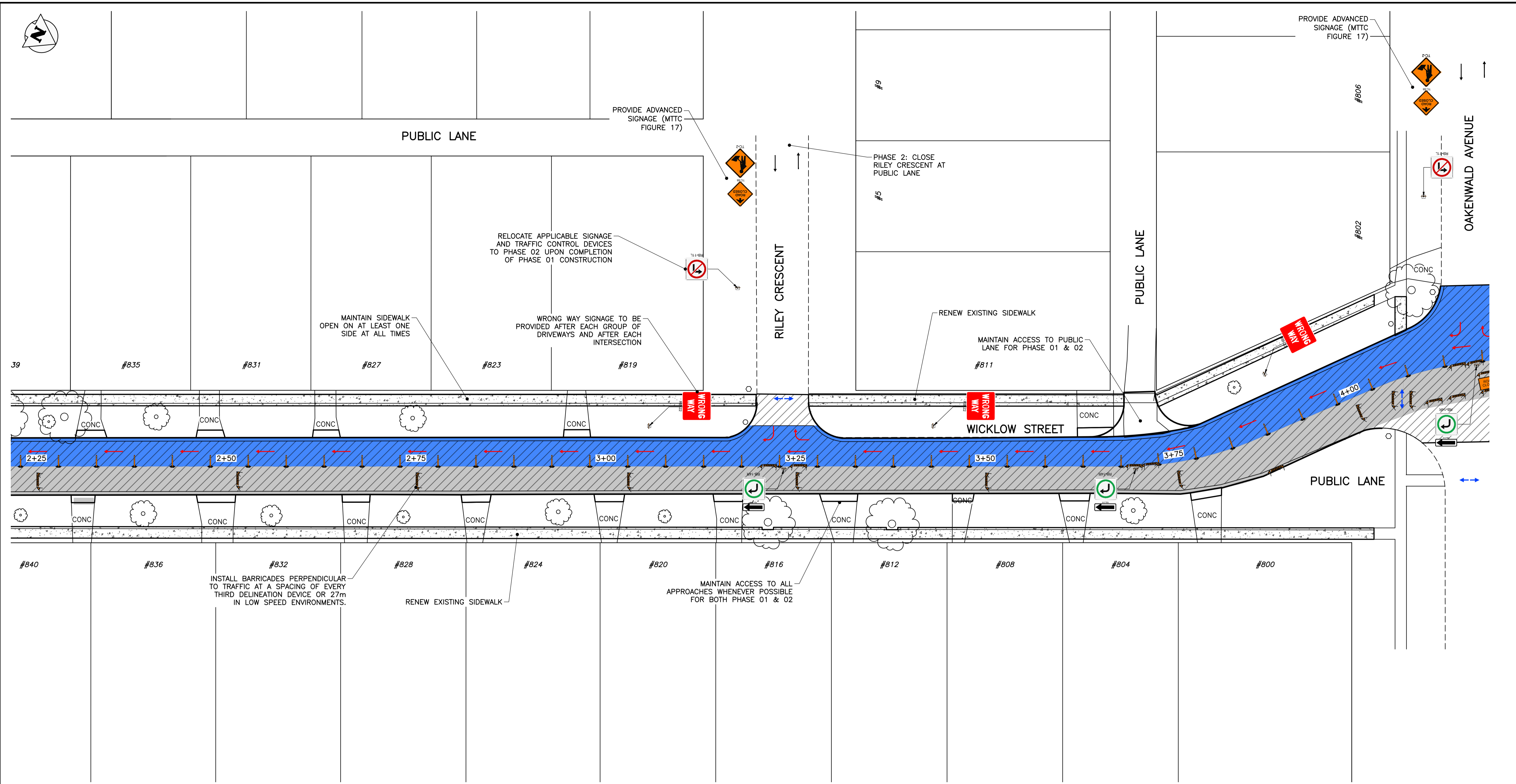
PROJECT TITLE  
**2024 LOCAL STREET RENEWAL PROGRAM**

PHASING & SIGNAGE PLAN:  
**WICKLOW STREET: ASPHALT REHABILITATION**  
PHASE 1 & 2

TENDER NO. 463-2024  
CONTRACT 2

SHEET 10 OF 17  
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**STAGING & SIGNAGE: PHASE 1**  
SCALE: 1:250

←→ PEDESTRIANS  
 → TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

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- STAGE SIDEWALK WORK SUCH THAT PEDESTRIAN ACCESS IS MAINTAINED ALONG ONE SIDE OF EACH ROADWAY AT ALL TIMES.
- PROVIDE ADVANCED CONSTRUCTION & SIDEWALK CLOSED/DETOUR SIGNAGE IN ACCORDANCE WITH THE MTTC. PROVIDE SMALL CONES IN CENTRE WHERE BARRICADES. GUIDE PEDESTRIANS THROUGH THE CONSTRUCTION ZONE.

**TRAFFIC MANAGEMENT: WICKLOW STREET ASPHALT REHABILITATION**

- PERFORM WORK IN TWO PHASES, LANE-AT-A-TIME.
  - PHASE 1: MILL & FILL THE MEDIAN NORTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE SOUTHBOUND LANE.
  - PHASE 2: MILL & FILL THE SOUTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE NORTHBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

**PHASE 2**

- MIRROR TRAFFIC SIGNAGE TO MAINTAIN EASTBOUND TRAFFIC WHILE CLOSING THE WESTBOUND LANE.
- PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
- ADJUST SIGNAGE FOLLOWING THE MTTC FOR NORTHBOUND TRAFFIC FLOW.
- FOR PHASE 2, OAKENWALD CAN BE CLOSED AT WOODGROVE.
- PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

█ PHASE 01 LANE CLOSURE  
 █ PHASE 02 LANE CLOSURE

**PROPERTY LIMITS DELINEATION**

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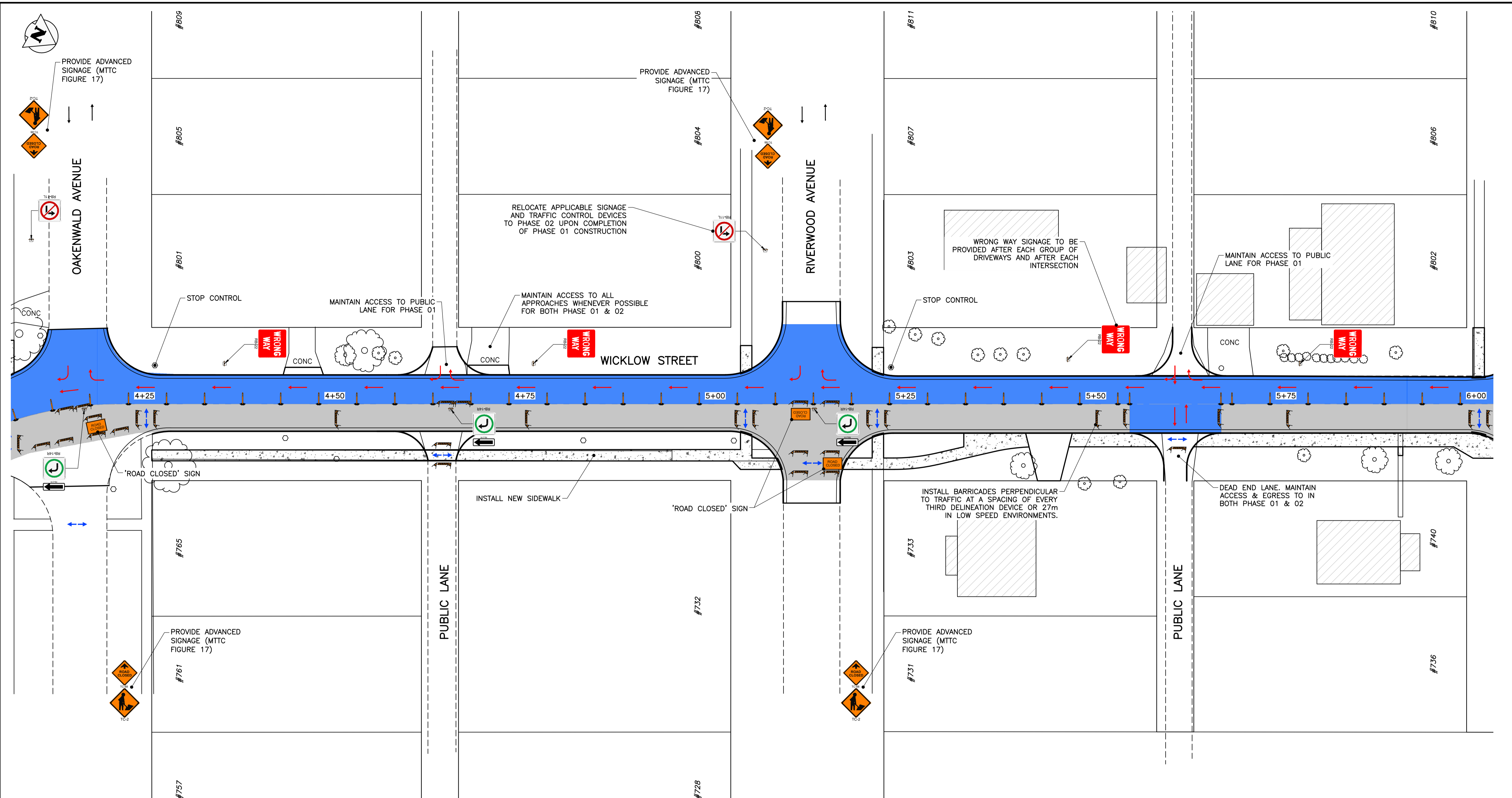
**THE CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT  
**KGS GROUP**  
 ENGINEERING DIVISION

PROJECT TITLE  
**2024 LOCAL STREET RENEWAL PROGRAM**

PHASING & SIGNAGE PLAN: WICKLOW STREET: ASPHALT REHABILITATION DOWKER AVE TO WATERFORD AVE PHASE 1 & 2

SHEET 11 OF 17  
COMPUTER FILE NAME 23-0107-018\_C2  
FIGURE F-1102

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**STAGING & SIGNAGE: PHASE 1**  
SCALE: 1:250

← PEDESTRIANS  
 → TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

1. ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
2. PERFORM WORK IN PHASES & STAGES TO MINIMIZE IMPACT TO TRAFFIC FLOW AND ACCESS TO RESIDENCES.
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7. ALL LANE CLOSURE REQUESTS MUST BE SUBMITTED THROUGH THE CONTRACT ADMINISTRATOR & ARE SUBJECT TO THE APPROVAL OF THE TRAFFIC MANAGEMENT BRANCH.
8. CONTRACTOR TO PROVIDE FLAGPERSONS IN ACCORDANCE WITH THE MTTC WHEN MOVING MATERIALS OR EQUIPMENT INTO OR OUT OF TRAFFIC.
9. CONTRACTOR SHALL PROVIDE FLAGPERSONS DURING ALL ASPHALT PLACEMENT AT THE PROJECT LIMITS TO MINIMIZE IMPACT TO TRAFFIC.
10. WHEN FLAGPERSONS ARE PRESENT, FLAGPERSON SIGNAGE MUST BE PLACED IN ACCORDANCE WITH THE MTTC.

11. WHEN FLAGPERSONS ARE NOT PRESENT, THE FLAGPERSON SIGNAGE MUST BE REMOVED OR HIDDEN.
12. PROVIDE TEMPORARY RAMPS & CROSSING WHERE DIRECTED BY CONTRACT ADMINISTRATOR & IN ACCORDANCE WITH THE ACCESSIBILITY PLAN FOR PEDESTRIAN CROSSINGS WHILE PERFORMING WORK IN THE INTERSECTIONS AND APPROACHES.
13. INSTALL WARNING FLAGS IN ACCORDANCE WITH MTTC 3.07.04 ON THE FIRST WARNING SIGN IN EACH LANE DROP TAPER.
14. WHERE A LANE IS REQUIRED TO BE CLOSED ON MAJOR INTERSECTING STREETS PERFORM THE WORK ON THE TIE-IN DURING OFF PEAK-HOURS.
15. TEMPORARY TRANSIT LANDINGS WILL BE REQUIRED FOR ANY TEMPORARY TRANSIT STOP RELOCATIONS IN ACCORDANCE WITH THE MTTC.
16. CONTRACTOR TO MONITOR & MAINTAIN THE TEMPORARY SIGNAGE FOR THE DURATION OF THE PROJECT & MODIFY AS NEEDED FOR EACH STAGE OF THE WORKS.
17. CONTRACTOR TO REMEDY ANY SIGNAGE DEEMED INSUFFICIENT OR INCORRECT AS DIRECTED BY THE CONTRACT ADMINISTRATOR OR TRAFFIC MANAGEMENT.
18. STAGE SIDEWALK WORK SUCH THAT PEDESTRIAN ACCESS IS MAINTAINED ALONG ONE SIDE OF EACH ROADWAY AT ALL TIMES.
19. PROVIDE ADVANCED CONSTRUCTION & SIDEWALK CLOSED/DETOUR SIGNAGE IN ACCORDANCE WITH THE MTTC. PROVIDE SMALL CONES IN CENTRE WHERE BARRICADES. GUIDE PEDESTRIANS THROUGH THE CONSTRUCTION ZONE.

**TRAFFIC MANAGEMENT: WICKLOW STREET ASPHALT REHABILITATION**

1. PERFORM WORK IN TWO PHASES, LANE-AT-A-TIME.
  - 1.A. PHASE 1: MILL & FILL THE MEDIAN NORTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE SOUTHBOUND LANE.
  - 1.B. PHASE 2: MILL & FILL THE SOUTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE NORTHBOUND LANE.
2. PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
3. PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

**PHASE 2**

1. MIRROR TRAFFIC SIGNAGE TO MAINTAIN EASTBOUND TRAFFIC WHILE CLOSING THE WESTBOUND LANE.
2. PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
3. ADJUST SIGNAGE FOLLOWING THE MTTC FOR NORTHBOUND TRAFFIC FLOW.
4. FOR PHASE 2, OAKENWALD & RIVERWOOD CAN BE CLOSED AT WOODGROVE.
5. PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

█ PHASE 01 LANE CLOSURE  
 █ PHASE 02 LANE CLOSURE

**PROPERTY LIMITS DELINEATION**  
 DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

**METRIC**  
 WHOLE NUMBERS INDICATE MILLIMETRES  
 DECIMALIZED NUMBERS INDICATE METRES

**PRELIMINARY**  
 NOT TO BE USED FOR CONSTRUCTION

NO.	REVISIONS	DATE	BY
A	ISSUED FOR REVIEW	2024/07/10	GES

TENDER NO. 463-2024  
CONTRACT 2

**THE CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT  
**Winnipeg ENGINEERING DIVISION**

**KGS GROUP**

PROJECT TITLE  
 2024 LOCAL STREET RENEWAL PROGRAM

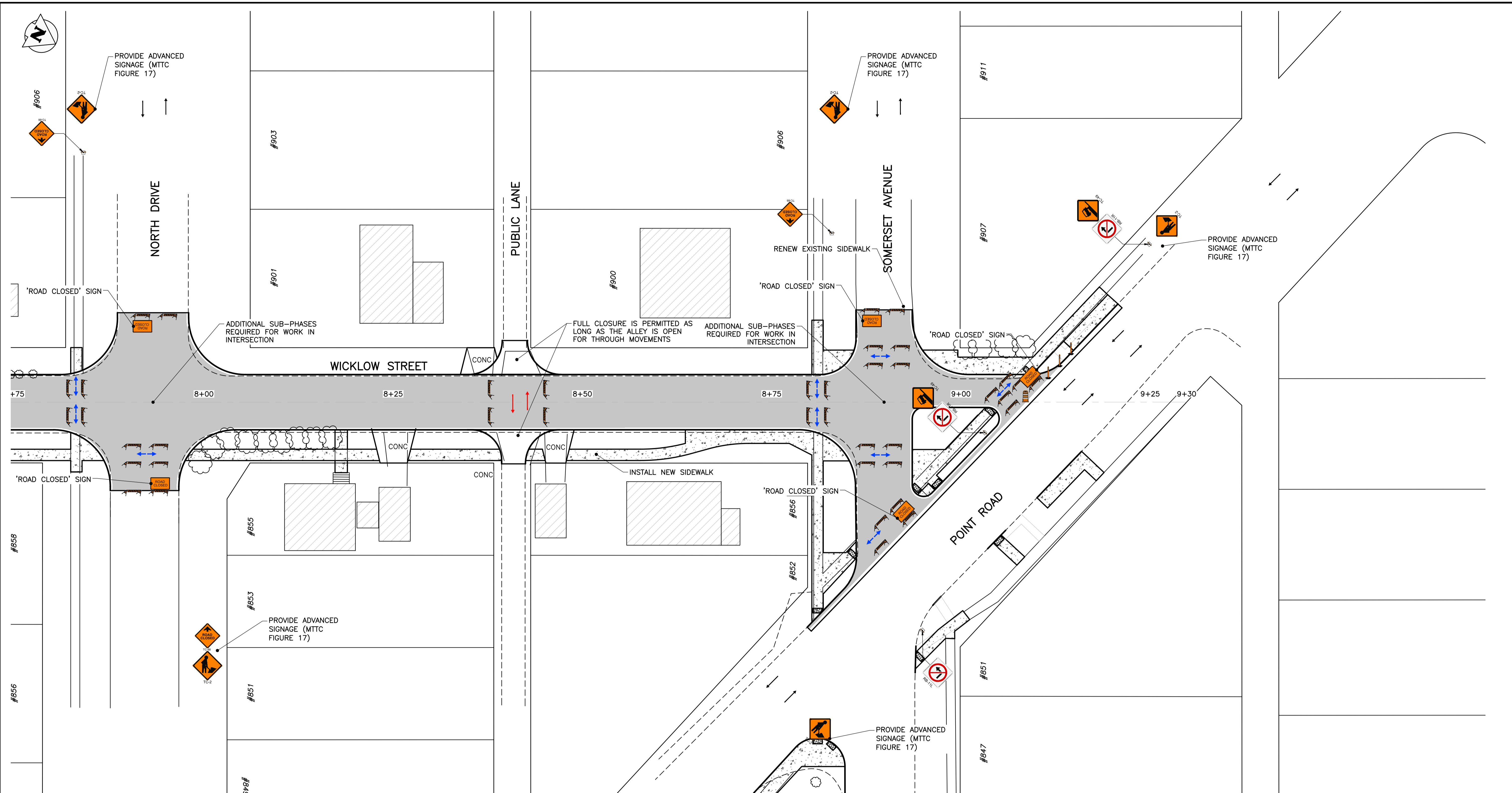
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FIGURE  
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PHASING & SIGNAGE PLAN:  
 WICKLOW STREET: ASPHALT REHABILITATION  
 PHASE 1 & 2

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**STAGING & SIGNAGE: FULL CLOSURE**  
SCALE: 1:250

←→ PEDESTRIANS  
 → TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

- ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
- PERFORM WORK IN PHASES & STAGES TO MINIMIZE IMPACT TO TRAFFIC FLOW AND ACCESS TO RESIDENCES.
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**TRAFFIC MANAGEMENT: WICKLOW STREET ASPHALT RECONSTRUCTION**  
 1. FULL CLOSURE PERMITTED FROM WATERFORD AVENUE TO POINT ROAD.  
 2. PROVIDE ADVANCE SIGNAGE  
 3. MAINTAIN AT LEAST ONE SIDEWALK OPEN AT ALL TIMES.  
 4. SEE MTTC FIGURE 30.

**PROPERTY LIMITS DELINEATION**  
 DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

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**PRELIMINARY**  
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NO.	REVISIONS	DATE	BY
A	ISSUED FOR REVIEW	2024/07/10	GES

TENDER NO. 463-2024  
CONTRACT 2

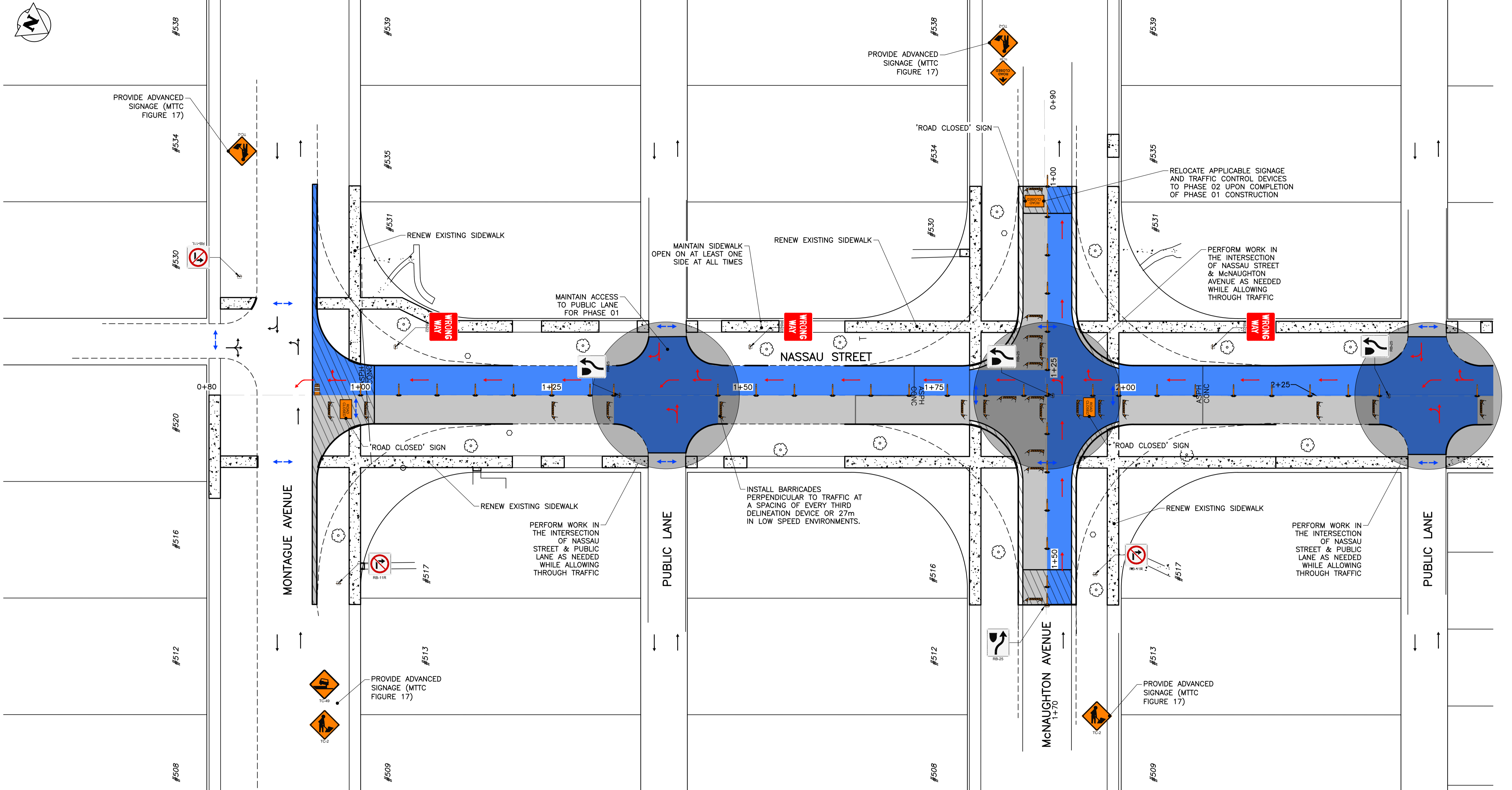
**THE CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT  
**KGS GROUP**  
 ENGINEERING DIVISION

PROJECT TITLE  
**2024 LOCAL STREET RENEWAL PROGRAM**

PHASING & SIGNAGE PLAN:  
**WICKLOW STREET: ASPHALT RECONSTRUCTION  
 FULL CLOSURE**

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**14 OF 17**  
 COMPUTER FILE NAME  
**23-0107-018\_C2**  
 FIGURE  
**F-1105**

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**STAGING & SIGNAGE: PHASE 1**  
SCALE: 1:250

PHASE 01 LANE CLOSURE  
 PHASE 02 LANE CLOSURE

**PHASE 2**  
MIRROR TRAFFIC SIGNAGE TO MAINTAIN NORTHBOUND TRAFFIC WHILE CLOSING THE SOUTHBOUND LANE.  
ADJUST SIGNAGE FOLLOWING THE MTTC FOR EASTBOUND TRAFFIC FLOW.  
FOR PHASE 2, McNAUGHTON AVENUE CAN BE CLOSED AT OSBORNE STREET.  
PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

- TRAFFIC MANAGEMENT: NASSAU STREET MAJOR REHABILITATION**
- PERFORM WORK LANE-AT-A-TIME IN TWO PHASES.
  - ADDITIONAL SUB-PHASES WILL BE REQUIRED FOR WORK IN INTERSECTIONS.
  - MAINTAIN ACCESS TO PRIVATE APPROACHES.
  - PROVIDE TEMPORARY TRANSIT LANDINGS IN ACCORDANCE WITH THE MTTC - FIGURE 19 FOR TRANSIT LANDINGS.
  - MAINTAIN NATURAL TRAFFIC FLOW FOR EACH PHASE.
  - PROVIDE ADDITIONAL SIGNAGE FOR WORK IN INTERSECTIONS IN ACCORDANCE WITH THE MTTC.
  - PROVIDE ADVANCED SIGNAGE ALONG EACH ADJOINING STREET IN ACCORDANCE WITH THE MTTC.
  - SEE MTTC FIGURE 27.

↔ PEDESTRIANS  
→ TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

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NO.	REVISIONS	DATE	BY
A	ISSUED FOR REVIEW	2024/07/10	GES

TENDER NO. 463-2024  
CONTRACT 2

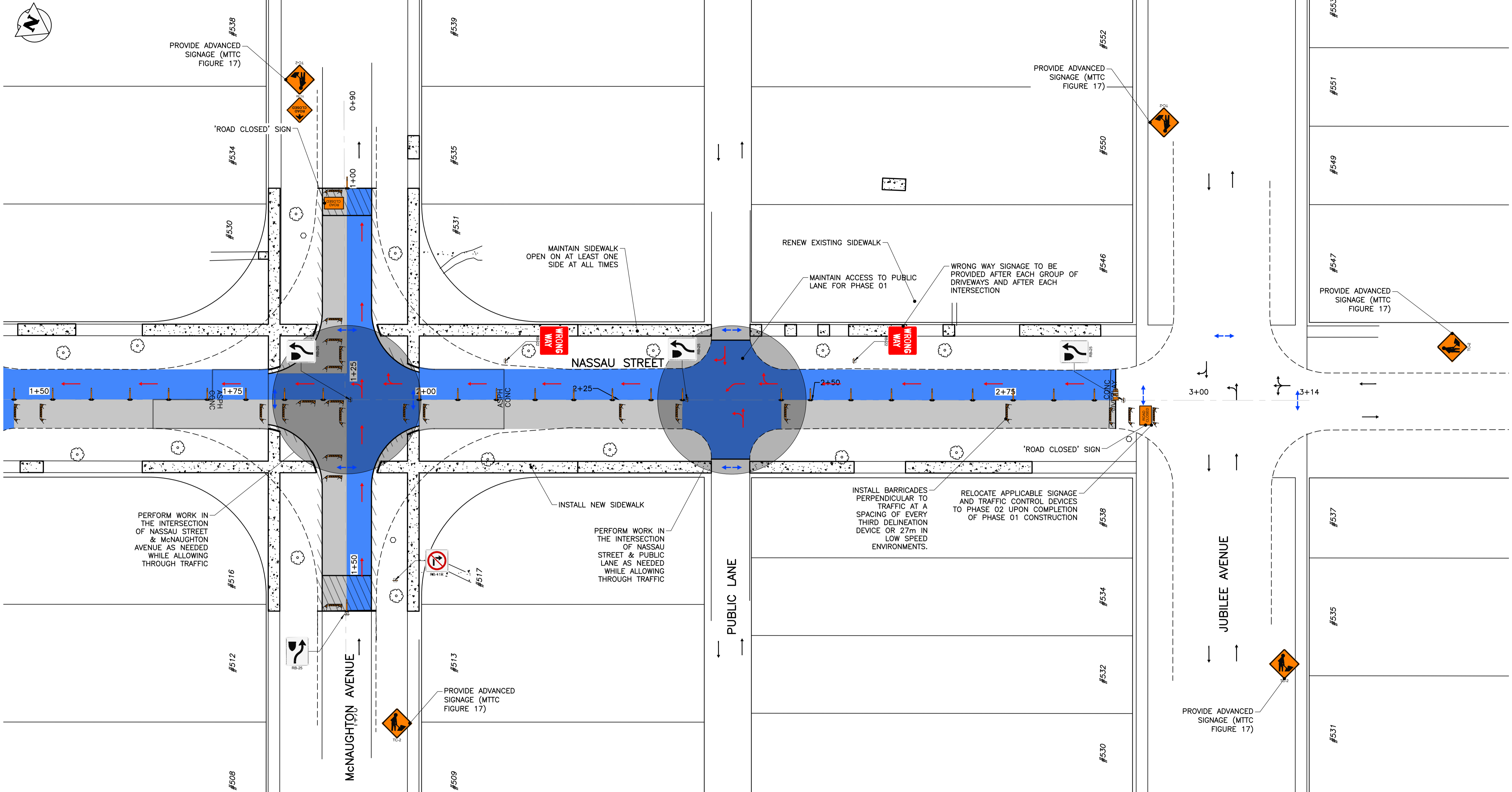
**THE CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT  
**KGS GROUP**  
 ENGINEERING DIVISION

PROJECT TITLE: 2024 LOCAL STREET RENEWAL PROGRAM

PHASING & SIGNAGE PLAN:  
NASSAU STREET: MAJOR REHABILITATION  
PHASE 1 & 2

SHEET 15 OF 17  
COMPUTER FILE NAME: 23-0107-018\_C2  
FIGURE: F-1201

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**STAGING & SIGNAGE: PHASE 1**  
SCALE: 1:250

PHASE 01 LANE CLOSURE  
 PHASE 02 LANE CLOSURE

↔ PEDESTRIANS  
→ TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

1. ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
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**PHASE 2**  
MIRROR TRAFFIC SIGNAGE TO MAINTAIN NORTHBOUND TRAFFIC WHILE CLOSING THE SOUTHBOUND LANE.  
ADJUST SIGNAGE FOLLOWING THE MTTC FOR EASTBOUND TRAFFIC FLOW.  
FOR PHASE 2, McNAUGHTON AVENUE CAN BE CLOSED AT OSBORNE STREET.  
PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

- TRAFFIC MANAGEMENT: NASSAU STREET MAJOR REHABILITATION**
1. PERFORM WORK LANE-AT-A-TIME IN TWO PHASES.
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  8. SEE MTTC FIGURE 27.

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TENDER NO. 463-2024  
CONTRACT 2

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
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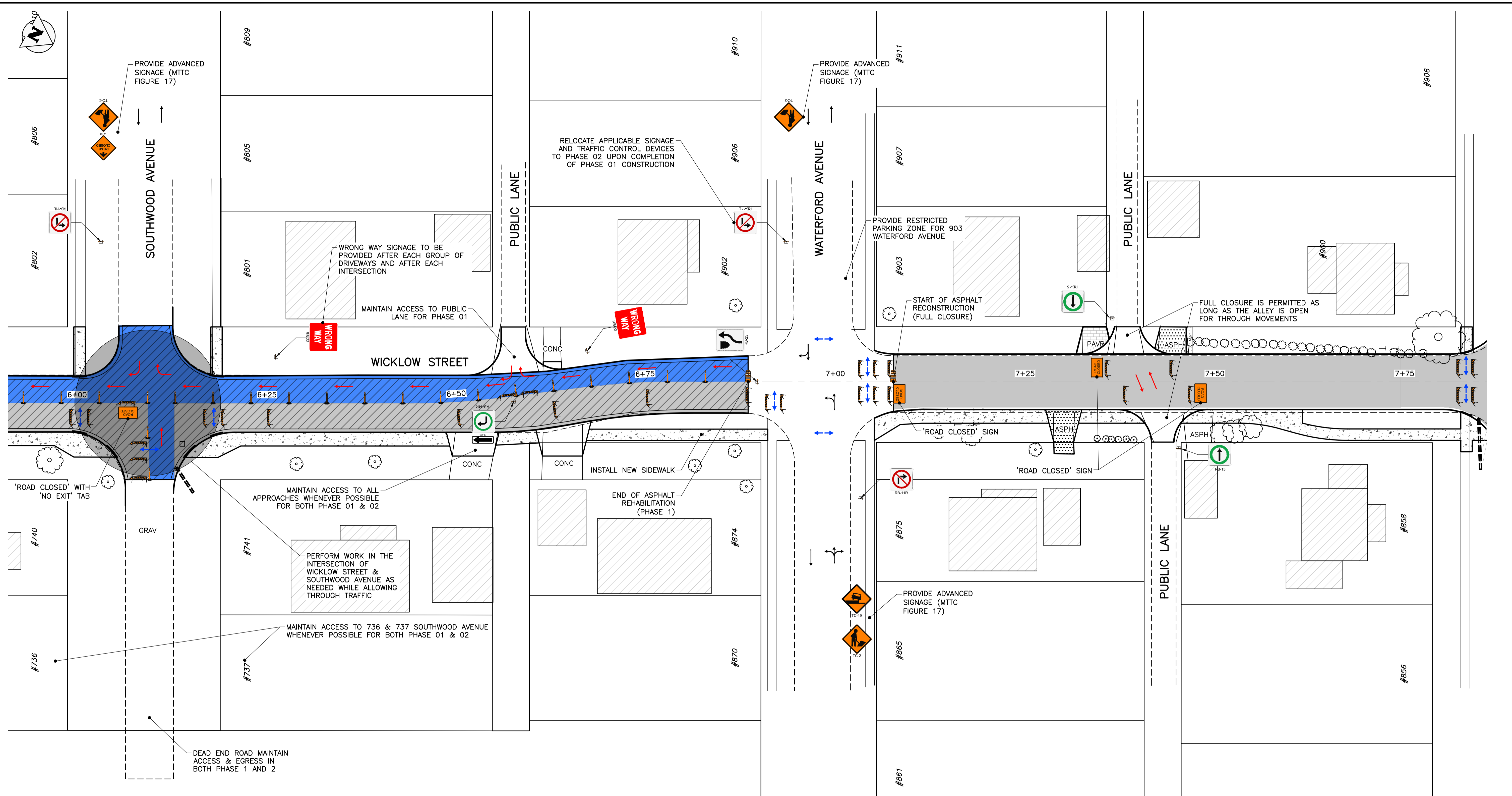
PROJECT TITLE: 2024 LOCAL STREET RENEWAL PROGRAM

PHASING & SIGNAGE PLAN:  
NASSAU STREET: MAJOR REHABILITATION  
PHASE 1 & 2

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**STAGING & SIGNAGE: PHASE 1 & FULL CLOSURE**

SCALE: 1:250

PHASE 01 LANE CLOSURE  
 PHASE 02 LANE CLOSURE

↔ PEDESTRIANS  
→ TEMPORARY TRAFFIC FLOW

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- 1. TRAFFIC MANAGEMENT: WICKLOW STREET ASPHALT REHABILITATION**
2. PERFORM WORK IN TWO PHASES, LANE-AT-A-TIME.
    - 2.A. PHASE 1: MILL & FILL THE MEDIAN NORTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE SOUTHBOUND LANE.
    - 2.B. PHASE 2: MILL & FILL THE SOUTHBOUND LANE WHILE MAINTAINING TRAFFIC FLOW ON THE NORTHBOUND LANE.
  3. MAINTAIN ACCESS TO SOUTHWOOD AVENUE SOUTH OF WICKLOW STREET WITH ADDITIONAL CONSTRUCTION PHASES.
  4. PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
  5. PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

- PHASE 2**
1. MIRROR TRAFFIC SIGNAGE TO MAINTAIN EASTBOUND TRAFFIC WHILE CLOSING THE WESTBOUND LANE.
  2. PROVIDE RESIDENTS ACCESS TO THEIR DRIVEWAYS.
  3. ADJUST SIGNAGE FOLLOWING THE MTTC FOR NORTHBOUND TRAFFIC FLOW.
  4. PROVIDE ADVANCED ROAD CLOSED SIGNAGE FOLLOWING MTTC FIGURE 27.

- TRAFFIC MANAGEMENT: WICKLOW STREET ASPHALT RECONSTRUCTION**
1. FULL CLOSURE PERMITTED FROM WATERFORD AVENUE TO POINT ROAD ONLY IF THROUGH MOVEMENTS FOR ALLEYS IS MAINTAINED.
  2. PROVIDE ADVANCE SIGNAGE.
  3. SEE MTTC FIGURE 30.

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**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**PRELIMINARY**  
 NOT TO BE USED FOR CONSTRUCTION

NO.	REVISIONS	DATE	BY

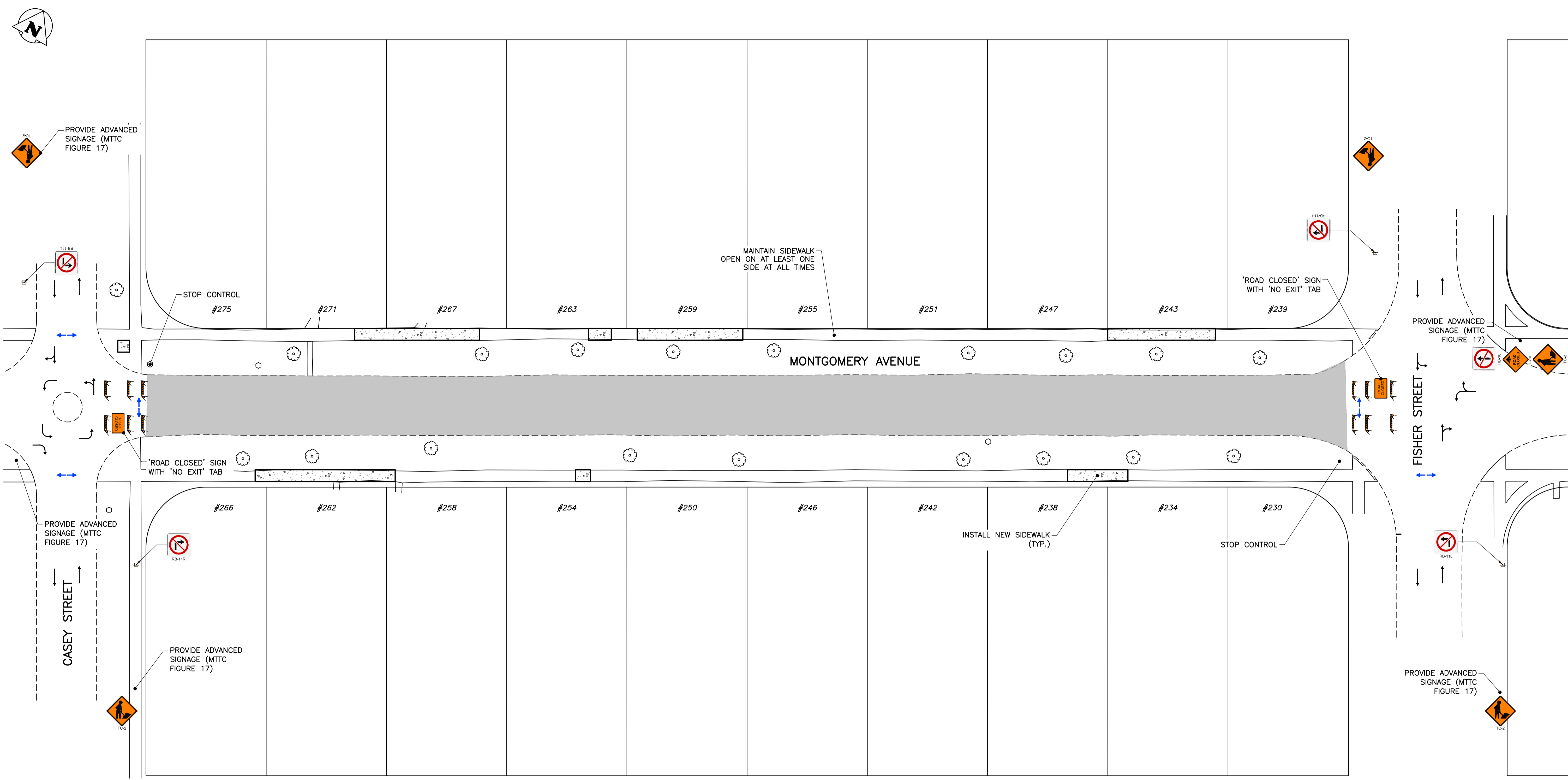
**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

**Winnipeg ENGINEERING DIVISION**

PROJECT TITLE		SHEET OF
2024 LOCAL STREET RENEWAL PROGRAM		13 OF 17
PHASING & SIGNAGE PLAN: WICKLOW STREET: ASPHALT REHABILITATION PHASE 1 & 2 AND ASPHALT RECONSTRUCTION FULL CLOSURE		COMPUTER FILE NAME 23-0107-018_C2
		FIGURE F-1104

TENDER NO. 463-2024  
CONTRACT 2

File: \\F:\Projects\2024\0107-018\23-0107-018\_C2\_463-2024\_F-ALL\_Signage and Phasing Plans\_2024-07-09-18-05-08 - Tab:F-1301\_Plot: F-1301\_Scale: 1:1  
 At: 2024/07/10 10:00:00 AM  
 Plotted By: OYoussef 24/07/09 [Tue 7:44pm]



**STAGING & SIGNAGE: FULL CLOSURE**  
SCALE: 1:250

**TRAFFIC MANAGEMENT: MONTGOMERY AVENUE MAJOR REHABILITATION**

1. FULL CLOSURE PERMITTED FROM CASEY STREET TO FISHER STREET.
2. PROVIDE ADVANCED SIGNAGE.
3. MAINTAIN AT LEAST ONE SIDEWALK OPEN AT ALL TIMES.
4. COORDINATE PHASING, SIGNAGE, & ACCESS WITH TENDER 716-2021.
5. SEE MTTC FIGURE 29.

←→ PEDESTRIANS  
 → TEMPORARY TRAFFIC FLOW

**GENERAL NOTES:**

1. ALL TEMPORARY TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE LATEST MANUAL OF TEMPORARY TRAFFIC CONTROL ON CITY STREETS (MTTC) AT TENDER.
2. PERFORM WORK IN PHASES & STAGES TO MINIMIZE IMPACT TO TRAFFIC FLOW AND ACCESS TO RESIDENCES.
3. NOT ALL REQUIRED SIGNAGE IS SHOWN FOR EACH PHASE & SUB-PHASE. ADDITIONAL SIGNAGE TO PROVIDED IN ACCORDANCE WITH THE MTTC.
4. THE PERMANENT POSTED SPEED LIMIT OF 50 KM/HR SHALL BE USED FOR ALL TAPER LENGTHS AND OTHER CRITERIA IN THE MTTC.
5. CONTRACTOR SHALL SUBMIT THE PEDESTRIAN ACCESSIBILITY PLAN FOR REVIEW & ACCEPTANCE BY THE CONTRACT ADMINISTRATOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, THE SUPPLY, PLACEMENT & MAINTENANCE OF ALL TEMPORARY TRAFFIC CONTROL SIGNAGE IN ACCORDANCE WITH THE TENDER.
7. ALL LANE CLOSURE REQUESTS MUST BE SUBMITTED THROUGH THE CONTRACT ADMINISTRATOR & ARE SUBJECT TO THE APPROVAL OF THE TRAFFIC MANAGEMENT BRANCH.
8. CONTRACTOR TO PROVIDE FLAGPERSONS IN ACCORDANCE WITH THE MTTC WHEN MOVING MATERIALS OR EQUIPMENT INTO OR OUT OF TRAFFIC.
9. CONTRACTOR SHALL PROVIDE FLAGPERSONS DURING ALL ASPHALT PLACEMENT AT THE PROJECT LIMITS TO MINIMIZE IMPACT TO TRAFFIC.
10. WHEN FLAGPERSONS ARE PRESENT, FLAGPERSON SIGNAGE MUST BE PLACED IN ACCORDANCE WITH THE MTTC.
11. WHEN FLAGPERSONS ARE NOT PRESENT, THE FLAGPERSON SIGNAGE MUST BE REMOVED OR HIDDEN.
12. PROVIDE TEMPORARY RAMPS & CROSSING WHERE DIRECTED BY CONTRACT ADMINISTRATOR & IN ACCORDANCE WITH THE ACCESSIBILITY PLAN FOR PEDESTRIAN CROSSINGS WHILE PERFORMING WORK IN THE INTERSECTIONS AND APPROACHES.
13. INSTALL WARNING FLAGS IN ACCORDANCE WITH MTTC 3.07.04 ON THE FIRST WARNING SIGN IN EACH LANE DROP TAPER.
14. WHERE A LANE IS REQUIRED TO BE CLOSED ON MAJOR INTERSECTING STREETS PERFORM THE WORK ON THE TIE-IN DURING OFF PEAK-HOURS.
15. TEMPORARY TRANSIT LANDINGS WILL BE REQUIRED FOR ANY TEMPORARY TRANSIT STOP RELOCATIONS IN ACCORDANCE WITH THE MTTC.
16. CONTRACTOR TO MONITOR & MAINTAIN THE TEMPORARY SIGNAGE FOR THE DURATION OF THE PROJECT & MODIFY AS NEEDED FOR EACH STAGE OF THE WORKS.
17. CONTRACTOR TO REMEDY ANY SIGNAGE DEEMED INSUFFICIENT OR INCORRECT AS DIRECTED BY THE CONTRACT ADMINISTRATOR OR TRAFFIC MANAGEMENT.
18. STAGE SIDEWALK WORK SUCH THAT PEDESTRIAN ACCESS IS MAINTAINED ALONG ONE SIDE OF EACH ROADWAY AT ALL TIMES.
19. PROVIDE ADVANCED CONSTRUCTION & SIDEWALK CLOSED/DETOUR SIGNAGE IN ACCORDANCE WITH THE MTTC. PROVIDE SMALL CONES IN CENTRE WHERE BARRICADES. GUIDE PEDESTRIANS THROUGH THE CONSTRUCTION ZONE.

**PROPERTY LIMITS DELINEATION**

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NO.	REVISIONS	DATE	BY
A	ISSUED FOR REVIEW	2024/07/10	GES

**THE CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION

PROJECT TITLE  
**2024 LOCAL STREET RENEWAL PROGRAM**

SHEET **17** OF **17**  
 COMPUTER FILE NAME  
**23-0107-018\_C2**  
 FIGURE  
**F-1301**

PHASING & SIGNAGE PLAN:  
**MONTGOMERY AVENUE: MAJOR REHABILITATION FULL CLOSURE**

TENDER NO. 463-2024  
CONTRACT 2