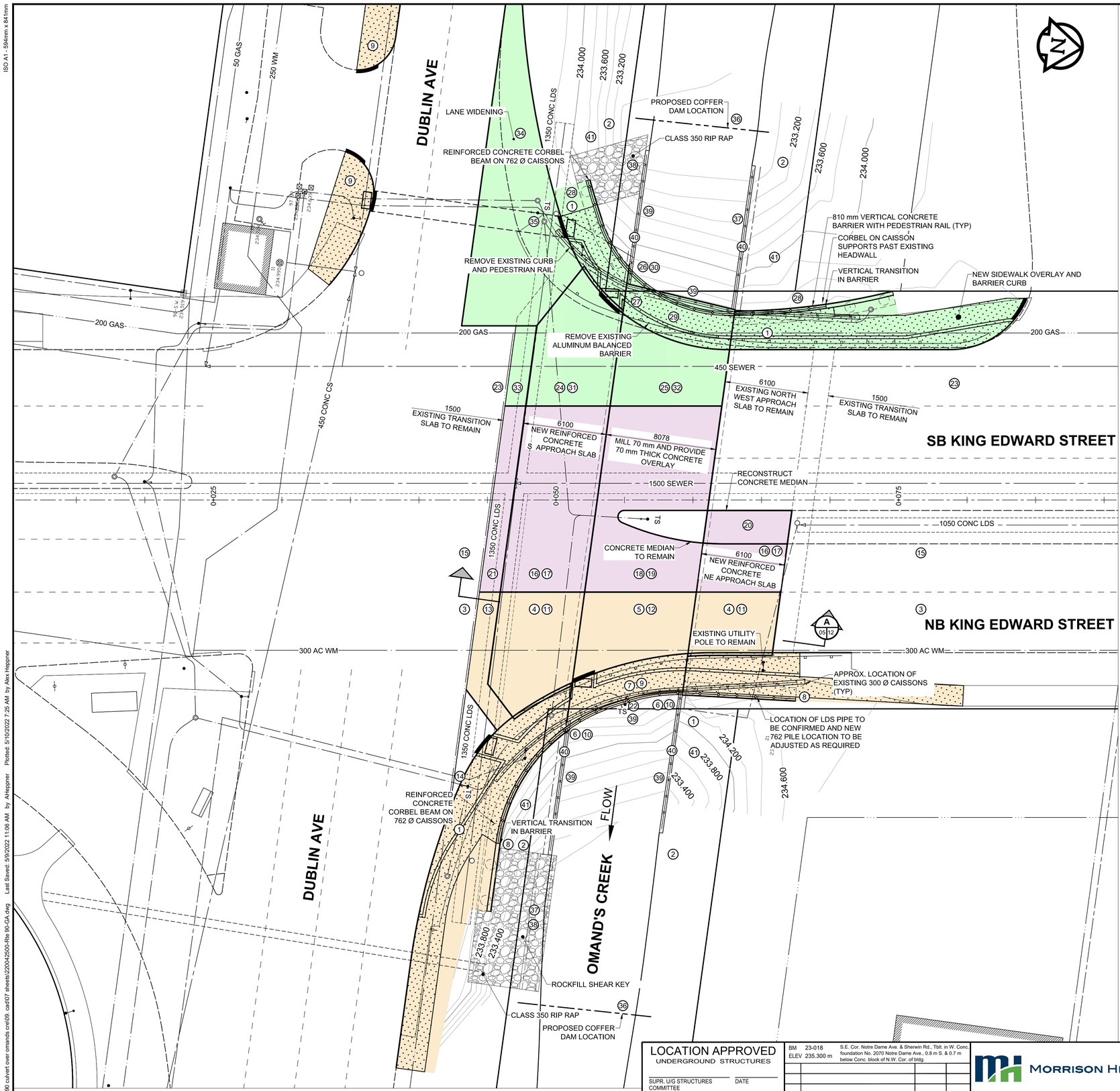

PLAN

SCALE: 1:150

0 4.0 8.0m

MAJOR ITEMS OF WORK:

CULVERT REHABILITATION - SUMMER/FALL 2022:

1. SOFT DIG UTILITIES WITHIN CULVERT AND STRUCTURE FOOTPRINT TO CONFIRM LOCATION AND ELEVATION. IMPLEMENT UTILITY PROTECTION MEASURES.
2. IMPLEMENT ENVIRONMENTAL PROTECTION PLAN MEASURES.

CONSTRUCTION STAGE 1:

3. IMPLEMENT STAGE 1 OF TRAFFIC STAGING / CONTROL FOR CULVERT WORK AND MOBILIZE (REFER TO SHEET 25)
4. STAGE 1 DEMOLITION OF EXISTING NORTH AND SOUTH APPROACH SLABS.
5. STAGE 1 REMOVAL OF TOP 70 mm OF CONCRETE ON CULVERT ROOF SLAB.
6. LOCAL REMOVALS OF CHAIN LINK FENCE IN WINGWALLS FOR SIDEWALK WIDENING (FIRST PANELS ONLY).
7. STAGE 1 DEMOLITION OF EXISTING SIDEWALK AND CURB.
8. INSTALL NEW 762 mm DIA. CAST-IN-PLACE CONCRETE PILES AND PILE CAP.
9. RECONSTRUCT SIDEWALK OVER CULVERT AND ON DUBLIN AVENUE, AND TRAFFIC BARRIER OVER CULVERT.
10. RECONNECT CHAIN LINK FENCE ON WINGWALLS.
11. CONSTRUCT NEW STAGE 1, 300 mm THICK APPROACH SLABS.
12. PLACE NEW CONCRETE OVERLAY ON CULVERT ROOF SLAB.
13. MILL EXISTING TRANSITION SLABS AND ASPHALT OVERLAY.
14. RELOCATE / REINSTALL TRAFFIC SIGNALS (BY OTHERS).

CONSTRUCTION STAGE 2:

15. IMPLEMENT STAGE 2 OF TRAFFIC STAGING / CONTROL FOR CULVERT WORK (REFER TO SHEET 26).
16. STAGE 2 DEMOLITION OF EXISTING NORTH AND SOUTH APPROACH SLABS.
17. CONSTRUCT NEW STAGE 2, 300 mm THICK APPROACH SLABS.
18. STAGE 2 REMOVAL OF TOP 70 mm OF CONCRETE ON CULVERT ROOF SLAB.
19. PLACE NEW CONCRETE OVERLAY ON CULVERT ROOF SLAB.
20. MEDIAN SLAB RENEWAL.
21. MILL EXISTING TRANSITION SLABS AND AND ASPHALT OVERLAY.
22. RELOCATE / REINSTALL TRAFFIC SIGNALS (BY OTHERS).

CONSTRUCTION STAGE 3:

23. IMPLEMENT STAGE 3 OF TRAFFIC STAGING / CONTROL FOR CULVERT WORK (REFER TO SHEET 27).
24. STAGE 3 DEMOLITION OF EXISTING SOUTH APPROACH SLAB.
25. STAGE 3 REMOVAL OF TOP 70 mm OF CONCRETE ON CULVERT ROOF SLAB.
26. LOCAL REMOVALS OF CHAIN LINK FENCE IN WINGWALLS FOR SIDEWALK WIDENING (FIRST PANELS ONLY).
27. STAGE 3 DEMOLITION OF EXISTING SIDEWALK AND CURB.
28. INSTALL NEW 762 mm DIA. CAST-IN-PLACE CONCRETE PILES AND PILE CAP.
29. RECONSTRUCT SIDEWALK AND TRAFFIC BARRIER OVER CULVERT.
30. REMOVE REMAINING CHAIN LINK FENCE PANELS ON WINGWALLS AND INSTALL NEW CHAIN LINK FENCE ON ALL CULVERT WINGWALLS.
31. CONSTRUCT NEW STAGE 3, 300 mm THICK APPROACH SLAB.
32. PLACE NEW CONCRETE OVERLAY ON CULVERT ROOF SLAB.
33. MILL EXISITING TRANSITION SLABS AND ASPHALT OVERLAY.
34. COMPLETE LANE WIDENING ON DUBLIN AVENUE.
35. RELOCATE / REINSTALL TRAFFIC SIGNALS (BY OTHERS).
36. CONSTRUCT COFFERDAMS ON OMAND'S CREEK
37. CONSTRUCT ROCKFILL SHEAR KEY.
38. PLACE CLASS 350 RIP RAP
39. COMPLETE LOCALIZED CONCRETE PATCHING REPAIRS AND CRACK INJECTION IN CULVERT BARREL AND HEADWALLS.
40. REMOVE AND REPLACE CHAIN LINK FENCING ON CULVERT HEADWALLS (POSTS AND MESH).
41. INSTALL TOPSOIL AND SEED.
42. DEMOBILIZE CULVERT WORKS.

NOTE:

LAYDOWN AREA IS TO BE CLOSED PORTION OF KING EDWARD STREET NORTH OF WORK AREA.

LEGEND:

STAGE 1:
STAGE 2:
STAGE 3:

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

TENDER No. 233-2022

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

BM 23-018
ELEV 235.300 m
S.E. Cor. Notre Dame Ave. & Sherwin Rd., Tblt. in W. Conc. foundation No. 2070 Notre Dame Ave., 0.8 m S. & 0.7 m below Conc. block of N.W. Cor. of bldg.

No.	REVISIONS	YY/MM/DD	BY
C	ISSUED FOR TENDER	22/05/10	BE
B	ISSUED FOR 95% REVIEW	22/04/06	BE
A	ISSUED FOR 50% REVIEW	22/03/14	BE

MORRISON HERSHFIELD

DESIGNED BY	AGG	CHECKED BY	TH
DRAWN BY	AH	APPROVED BY	BE
HOR SCALE / VERT SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION BY: VAIBHAV BANTHIA, P.ENG.	
DATE	22/03/14	DATE	22/05/10

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA — A.D.G. GILARSKI — Member 32144 — 2022-05-10 — REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
220042500-Rte 90-GA.dwg

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

REHABILITATION OF ROUTE 90 CULVERT OVER OMAND'S CREEK
GENERAL ARRANGEMENT AND SCOPE OF WORK

CITY DRAWING NUMBER: C315-21-05
SHEET 05 OF 27
DRAWING NUMBER: 05

ISO A1 - 594mm x 841mm
x:\Proj\2022\220042500-cofw rte 90 culvert over omands cre\09. cad\07 sheets\220042500-Rte 90-GA.dwg Last Saved: 5/9/2022 11:06 AM by AHeppner Plotted: 5/10/2022 7:25 AM by Alex Heppner