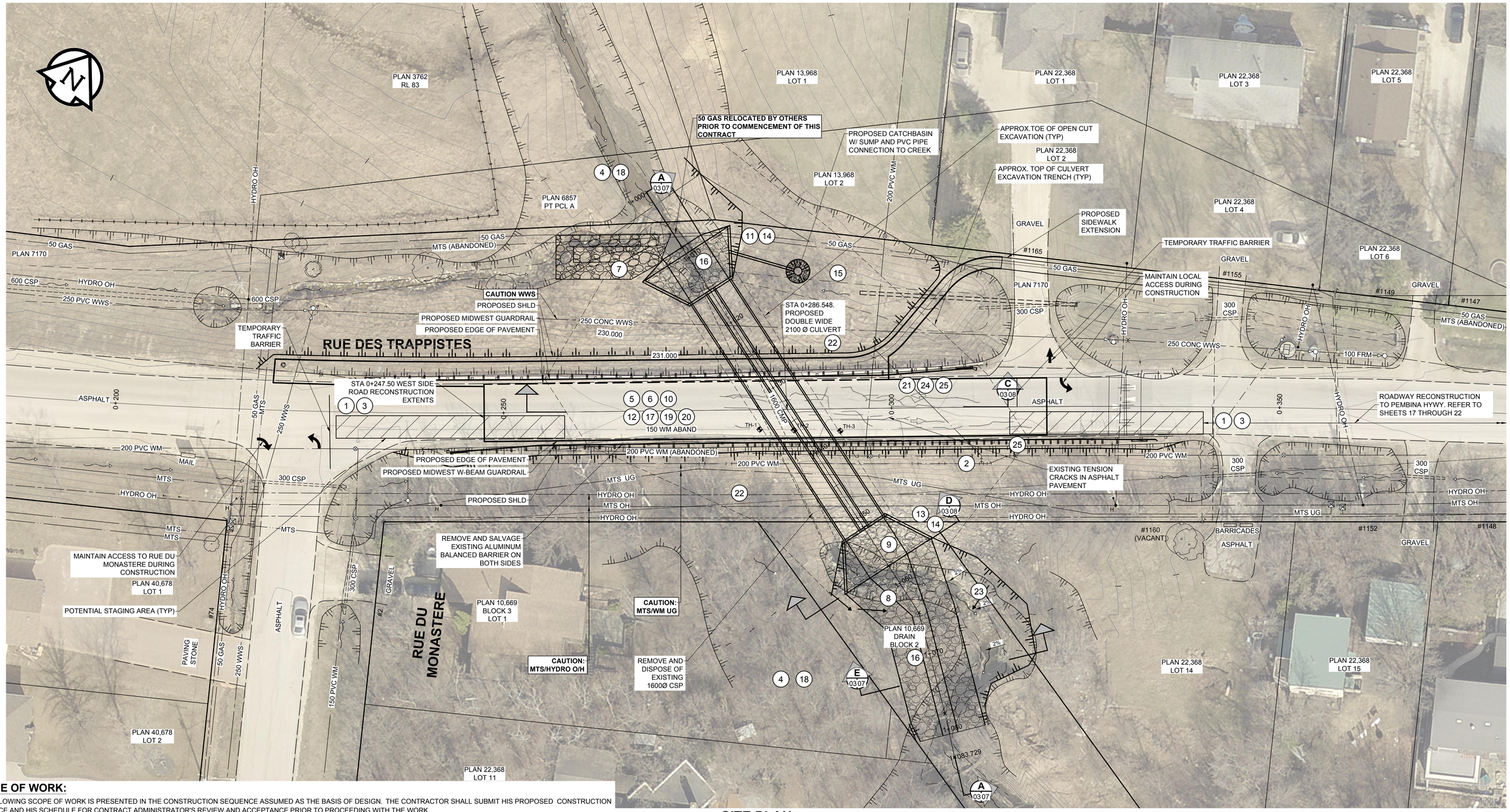
ISO A1 - 594mm x 841mm



SITE PLAN

SCALE: 1:250

0 5 10 15m

SCOPE OF WORK:

THE FOLLOWING SCOPE OF WORK IS PRESENTED IN THE CONSTRUCTION SEQUENCE ASSUMED AS THE BASIS OF DESIGN. THE CONTRACTOR SHALL SUBMIT HIS PROPOSED CONSTRUCTION SEQUENCE AND HIS SCHEDULE FOR CONTRACT ADMINISTRATOR'S REVIEW AND ACCEPTANCE PRIOR TO PROCEEDING WITH THE WORK.

UTILITY RELOCATION IN ADVANCE OF CULVERT WORKS (BY OTHERS)

- 50 GAS LINE IN CONFLICT WITH PROPOSED NORTH HEADWALL ABANDONED, RELOCATED SIMMER 2017 (BY OTHERS).
- 200 WM IN CONFLICT WITH PROPOSED WORKS ABANDONED, RELOCATED SUMMER 2017. REFER TO REFERENCE DRAWING (BY OTHERS).

WINTER CULVERT WORK

1. IMPLEMENT TRAFFIC STAGING/ CONTROL MEASURES FOR CULVERT WORKS. REFER TO TRAFFIC CONTROL NOTES.
2. INSTALL TEMPORARY COFFERDAMS UPSTREAM AND DOWNSTREAM OF WORK SITE AND PROVIDE CREEK FLOW MAINTENANCE PUMPING AS REQUIRED.
3. IMPLEMENT ENVIRONMENTAL CONTROL MEASURES.
4. SOFT DIG UTILITIES TO CONFIRM LOCATION AND ELEVATION. IMPLEMENT EXISTING UTILITY PROTECTION MEASURES.
5. REMOVE AND SALVAGE EXISTING ALUMINUM BALANCED BARRIER, BOTH SIDES OF ROADWAY.
6. PERFORM EXCAVATION FOR NEW CULVERT AND REMOVE AND DISPOSE OF EXISTING 1600 CSP CULVERT PIPE.
7. PERFORM EXCAVATION FOR SLOPE STABILIZATION.
8. PERFORM CREEK EXCAVATION, AND INFILL EXISTING CREEK SOUTH OF CULVERT WITH COMMON CLAY FILL.
9. PREPARE BEARING SURFACE FOR CULVERT AND HEADWALLS.

10a. SUPPLY AND INSTALL BEDDING GRAVEL FOR CULVERT AND HEADWALLS.
10b. SUPPLY AND INSTALL HIGH DENSITY EXTRUDED POLYSTYRENE AND VOID FORM.
11a. SUPPLY AND INSTALL HEATING AND HOARDING AS REQUIRED.
11b. SUPPLY AND INSTALL NORTHMOST THREE SEGMENTS OF DOUBLE-WIDE SEGMENTAL PRECAST CULVERT WITH SEALED JOINTS.
11c. SUPPLY AND INSTALL CAST-IN-PLACE HEADWALL FORMWORK, SUPPLY AND INSTALL STEEL REINFORCEMENT, POUR AND CURE NORTH HEADWALL.
12. SUPPLY AND INSTALL REMAINDER OF DOUBLE WIDE SEGMENTAL PRECAST CULVERT COMPLETE WITH SEALED JOINTS.
13. SUPPLY AND INSTALL CAST-IN-PLACE HEADWALL FORMWORK, SUPPLY AND INSTALL STEEL REINFORCEMENT, POUR AND CURE SOUTH HEADWALL.
14. SUPPLY AND INSTALL SUBDRAINS AT HEADWALLS.
15. SUPPLY AND INSTALL NORTH DITCH CATCHBASIN AND PVC PIPE CONNECTION TO NORTH HEADWALL.
16. SUPPLY AND INSTALL RIP-RAP ON GEOTEXTILE FABRIC FOR SLOPE STABILIZATION AND EROSION CONTROL.
17a. BACKFILL AROUND CULVERT PIPE AND AGAINST CULVERT HEADWALLS.
17b. BACKFILL EXCAVATION
17c. SUPPLY AND INSTALL ROADWAY SUBBASE AND BASE.
18. REMOVE TEMPORARY COFFERDAMS UPSTREAM AND DOWNSTREAM. VACATE THE STREAM BY APRIL 1, 2016.
19. INSTALL TEMPORARY PRECAST CONCRETE BARRIER, BOTH SIDES OF ROADWAY (SUPPLY OF TEMPORARY BARRIER BY CITY)
20. DEMOBILIZE & REMOVE TRAFFIC CONTROL MEASURES. MAINTAIN GRAVEL DRIVING SURFACE AND EROSION CONTROL MEASURES.

SPRING MOBILIZATION

21. REMOBILIZE & IMPLEMENT TRAFFIC CONTROL MEASURES. REFER TO TRAFFIC CONTROL NOTES FOR SPRING REMOBILIZATION.
22. SUPPLY AND INSTALL CLAY CAP AND TOPSOIL AND SEED ON ROADWAY EMBANKMENT AND CREEK EMBANKMENTS.
23. PLANT TREES WHERE REQUIRED.
24. PLACE AND COMPACT ASPHALTIC CONCRETE OVERLAY (TYPE 1A) FOR ROADWALK AND SIDEWALK.
25. REMOVE TEMPORARY PRECAST CONCRETE BARRIER. INSTALL MIDWEST W-BEAM GUARDRAIL.
27. PERFORM RECONSTRUCTION OF RUE DES TRAPPISTES FROM THE CULVERT SITE EAST TO PEMBINA HIGHWAY. REFER TO SHEET 17 TO 22.
28. DEMOBILIZE & REMOVE TRAFFIC STAGING/CONTROL MEASURES.

TRAFFIC CONTROL NOTES

1. TRAFFIC CONTROL FOR CULVERT WORKS: IMPLEMENT COMPLETE CLOSURE OF RUE DES TRAPPISTES AT THE CREEK CROSSING. MAINTAIN TWO-LANE SOUTH-TO-EAST TRAFFIC MOVEMENTS AT THE RUE DU MONASTERE/RUE DES TRAPPISTES INTERSECTION AT ALL TIMES. MAINTAIN LOCAL ACCESS TO DRIVEWAYS AT ALL TIMES.
2. TRAFFIC CONTROL FOR SPRING REMOBILIZATION. MAINTAIN A SINGLE LANE OF TRAFFIC AT ALL TIMES. MAINTAIN LOCAL ACCESS TO DRIVEWAYS AT ALL TIMES.

BID OPPORTUNITY No. 698-2017

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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
ELEV

No.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR TENDER	17/09/15	DAN

MORRISON HERSHFIELD

DESIGNED BY	DAN	CHECKED BY	BE
DRAWN BY	MS	APPROVED BY	SAL
HOR SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERT SCALE			
DATE		DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
D.A. NEILSON
ORIGINAL SIGNED 17/09/15
37248
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
5160966-SCOPE-03.DWG

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

RUE DES TRAPPISTES AT WESTENDORF COULEE CULVERT REPLACEMENT AND ROAD RECONSTRUCTION
SCOPE OF WORK AND TRAFFIC STAGING

CITY DRAWING NUMBER: C372-17-03
SHEET 03 OF 22
DRAWING No. 03 REV 0

M:\Proj\5160966\09. Drawing\05. Design\06. Sheets\Detailed Design\5160966-SCOPE-03.dwg Last Saved: 9/13/2017 1:27 PM by dlane Plotted: 9/13/2017 2:01 PM by Dave Lane