

SITE PLAN

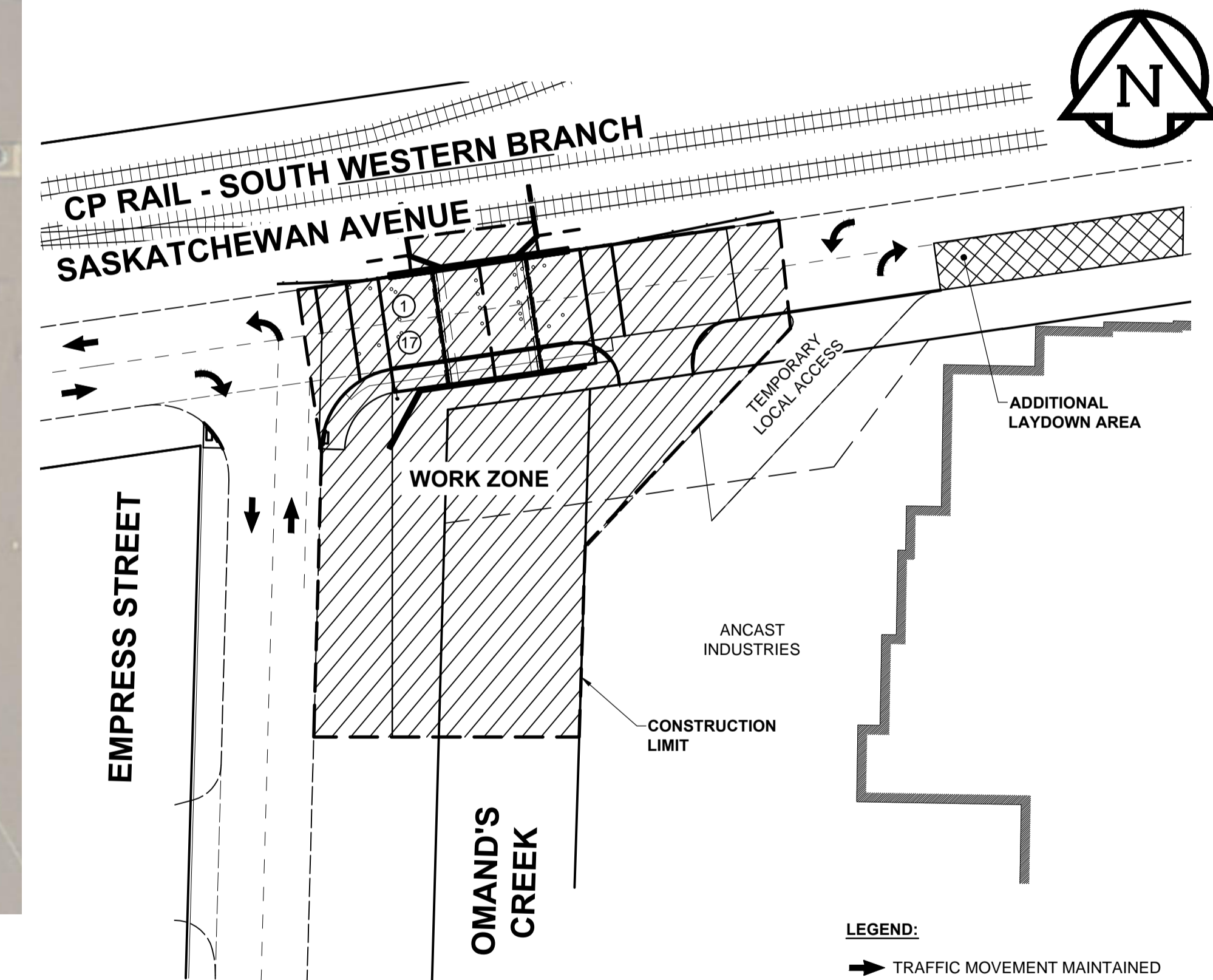


LIMIT OF CONSTRUCTION ARE:

- WEST - EMPRESS ST/SASKATCHEWAN AVE INTERSECTION
- NORTH - EXISTING CPR TIMBER BRIDGE
- EAST - ANCAST INDUSTRIES TEMPORARY ACCESS (MAINTAIN LOCAL ACCESS FOR HEAVY TRUCKS). ADDITIONAL LAYDOWN AREA AVAILABLE IN SOUTH LANE FURTHER EAST TO THE ANCAST INDUSTRIES LOCAL ACCESS (NOT SHOWN).
- SOUTH - 40 m SOUTH OF THE EXISTING SASKATCHEWAN AVE CURB LIMIT.

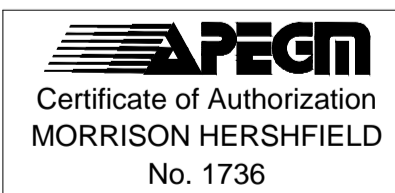
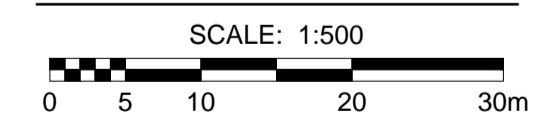
SCOPE OF WORK:

- | NOTE NUMBER | DESCRIPTION |
|-------------|--|
| 1 | IMPLEMENT TRAFFIC STAGING/ CONTROL MEASURES & MOBILIZE. |
| 2 | INSTALL TEMPORARY DAMS UPSTREAM AND DOWNSTREAM OF WORK SITE AND PROVIDE MEANS TO PUMP CREEK PAST CONSTRUCTION ZONE IN THE EVENT OF UNEXPECTED THAW. |
| 2 | IMPLEMENT ENVIRONMENTAL CONTROL MEASURES. |
| 3 | CONSTRUCT TEMPORARY SECURITY FENCE FOR ANCAST INDUSTRIES AT EDGE OF PROPOSED STAGING AREA. MAXIMUM EXTENT INTO ANCAST INDUSTRIES PROPERTY IS SHOWN ON THE DRAWINGS. |
| 4 | CONSTRUCT EQUIPMENT ACCESS TO THE CREEK FROM THE EAST BANK SOUTH OF THE BRIDGE ENSURING OPERATION CONSTRAINTS NEAR THE 900 FEEDERMAIN ARE FOLLOWED. |
| 5 | CONSTRUCT STAY-IN-PLACE SHORING ADJACENT TO CP RAIL LINE (DESIGN DELEGATED TO CONTRACTOR). |
| 6 | EXCAVATE AND DEMOLISH EXISTING BRIDGE STRUCTURE. |
| 6 | INSTALL HEATING AND HOARDING AT BRIDGE WORK SITE. |
| 6 | INSTALL PILES. |
| 6 | INSTALL SUBSTRUCTURE FORMWORK, STEEL REINFORCEMENT, BEARING PADS AND ANCHOR RODS, AND POUR SUBSTRUCTURE CONCRETE. |
| 6 | BACKFILL BEHIND RETAINING WALLS PRIOR TO POURING BRIDGE DECK CONCRETE. |
| 6 | INSTALL BRIDGE DECK FORMWORK, STEEL REINFORCEMENT, POUR AND CURE BRIDGE DECK CONCRETE. |
| 6 | INSTALL CONCRETE BARRIER FORMWORK, STEEL REINFORCEMENT, POUR AND CURE CONCRETE BARRIER CONCRETE. |
| 6 | INSTALL APPROACH SLAB FORMWORK, STEEL REINFORCEMENT, POUR AND CURE APPROACH SLABS AND BARRIERS ON APPROACH SLABS. |
| 6 | INSTALL GUARDRAIL ON CONCRETE BARRIERS. |
| 7 | SHAPE CHANNEL TO DESIGN GEOMETRY. THAWING OF FROZEN GROUND MAY BE REQUIRED, PARTICULARLY ABOVE THE 900 FEEDERMAIN. PLACE INSULATION OVER 300 WATERMAIN AND 900 FEEDERMAIN. |
| 7 | PLACE 525 THICK CLASS 350 CRUSHED WELL-GRADED ANGULAR RIP RAP OVER GEOTEXTILE FABRIC. |
| 8 | PLACE EROSION CONTROL BLANKET AND SEED DISTURBED AREAS OF THE CHANNEL WHICH ARE NOT COVERED WITH RIPRAP. |
| 9 | REMOVE TEMPORARY ACCESS TO THE STREAM. VACATE THE STREAM PRIOR TO APRIL 1, 2016. |
| 10 | WOOD HYDRO POLE WITH STREETLIGHT AT THE SE CORNER OF THE EMPRESS STREET/ SASKATCHEWAN AVENUE INTERSECTION IS TO BE RELOCATED (BY OTHERS). |
| 11 | CONSTRUCT ROADWORKS TO TIE INTO NEW BRIDGE INCLUDING REINFORCED CONCRETE PAVEMENT, CONCRETE BARRIER AND MODIFIED CONCRETE BARRIER CURB, MILLING ASPHALT PAVEMENT, AND CONCRETE SIDEWALK. |
| 12 | INSTALL ALUMINUM BALANCED BARRIER. |
| 13 | INSTALL BRIDGE WATERPROOFING MEMBRANE. |
| 13 | PLACE AND COMPACT ASPHALTIC CONCRETE OVERLAY (TYPE 1A). |
| 14 | CONSTRUCT NEW REINFORCED CONCRETE APPROACH TO ANCAST INDUSTRIES. |
| 15 | REMOVE TEMPORARY ANCAST ACCESS AND RESTORE SECURITY FENCE AND BOULEVARD. |
| 16 | LANDSCAPING (TOPSOIL AND SOD) DISTURBED BOULEVARD AREAS. |
| 17 | DEMobilize & REMOVE TRAFFIC STAGING/CONTROL MEASURES. |



TRAFFIC STAGING

TRAFFIC STAGING



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	
	GAS		MANHOLE		CONCRETE PAVEMENT		LOCATION APPROVED		SUPR. U/G STRUCTURES
	MTS		CATCH BASIN/CATCH PIT		CONC SIDEWALK/MEDIAN		DATE COMMITTEE		DATE COMMITTEE
	HYDRO		CURB INLET WITH BOX		ASPHALT PAVEMENT		NOTE:		NOTE:
	CATV / FIBRE OPTIC		TREE		PAVING STONE		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.		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.
	TRAFFIC SIGNALS / PIT		TEST HOLE		GRAVEL		DATE COMMITTEE		DATE COMMITTEE
	LAND DRAINAGE SEWER		PROPERTY LINE		RAMP CURB		DATE COMMITTEE		DATE COMMITTEE
	WWS/CS SEWER		SURVEY BAR		PLANING / REMOVAL		DATE COMMITTEE		DATE COMMITTEE
	CB LEAD		FENCE		DATE COMMITTEE		DATE COMMITTEE		DATE COMMITTEE
	WATERMAIN		BOC/EDGE OF PAVEMENT		DATE COMMITTEE		DATE COMMITTEE		DATE COMMITTEE
	SUBDRAIN		ELEVATION (33.333)		DATE COMMITTEE		DATE COMMITTEE		DATE COMMITTEE
	DITCH		TRAFFIC SIGN		DATE COMMITTEE		DATE COMMITTEE		DATE COMMITTEE

No.	REVISIONS	DATE	BY
1	ISSUED FOR ADDENDUM 1	15/11/10	DAN
0	ISSUED FOR TENDER	15/10/22	DAN

MORRISON HERSHFIELD

DESIGNED BY: DAN
CHECKED BY: SAL
DRAWN BY: DML
APPROVED BY: BE
HOR. SCALE: AS SHOWN
VERT. SCALE: AS SHOWN
DATE: 15/04/24

PROFESSIONAL'S SEAL

PROVINCE OF MANITOBA
D.A. NEILSON
ORIGINAL SIGNED 15/10/22
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

SASKATCHEWAN AVENUE AT OMAND'S CREEK BRIDGE REPLACEMENT

SCOPE OF WORK

CITY DRAWING NUMBER: B144-16-03-R1
SHEET 03 OF 18
DRAWING No. 03
REV 1

BID OPPORTUNITY No. 775-2015