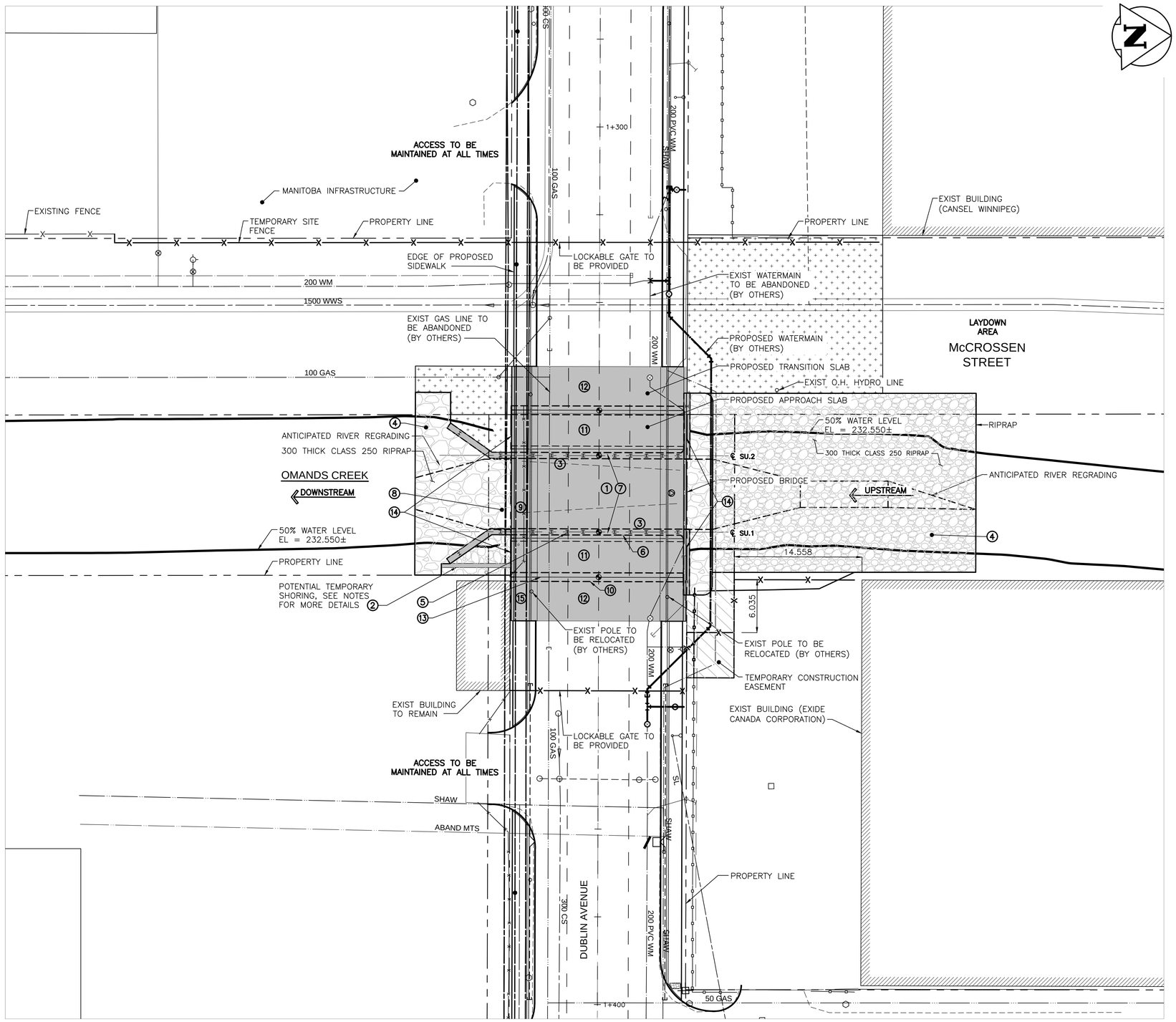

MAJOR ITEMS OF WORK

NO.	DESCRIPTION	SHEET REF.
1	REMOVE EXISTING BRIDGE	4
2	INSTALL CONTRACTOR DESIGNED TEMPORARY SHORING, IF REQUIRED	4, 5
3	STRUCTURAL EXCAVATION	6
4	CREEK MODIFICATION WORKS	18
5	SUPPLY AND INSTALLATION OF STEEL H–PILES	7
6	CONSTRUCTION OF REINFORCED CONCRETE SUBSTRUCTURE UNITS	8, 9, 10
7	CONSTRUCTION OF REINFORCED CONCRETE DECK	11, 12
8	STRUCTURAL BACKFILL AROUND ABUTMENTS	6
9	CONSTRUCTION OF REINFORCED CONCRETE DECK SIDEWALK AND BARRIERS	15, 16
10	CONSTRUCTION OF REINFORCED CONCRETE SLEEPER SLAB	13
11	CONSTRUCTION OF REINFORCED CONCRETE APPROACH SLAB	13
12	CONSTRUCTION OF REINFORCED CONCRETE TRANSITION SLAB	14
13	SUPPLY AND INSTALLATION OF JOINTS	11, 13, 14, 15, 16
14	CONSTRUCTION OF REINFORCED CONCRETE APPROACH SLAB TRAFFIC BARRIER	15, 16
15	CONSTRUCTION OF REINFORCED CONCRETE TRANSITION SLAB TAPERED BARRIER	15, 16

SITE ACCESS

– THE BRIDGE CONSTRUCTION IS ACCESSED FROM DUBLIN AVE.

LAYDOWN AREA

– McCROSSEN STREET CAN BE USED FOR A LAYDOWN AREA. NOTE THE PRESENCE OF A 1500 WWS. THE CONTRACTOR SHALL PROTECT THE WWS AS REQUIRED.
– CLOSED PORTION OF DUBLIN AVE.
– CONTRACTORS RESPONSIBLE FOR RESTORATION OF DISTRIBUTED AREAS OUTSIDE THE LIMITS SHOWN

TEMPORARY SITE FENCE

– SHALL BE A MINIMUM OF 1.8m TALL CHAINLINK.
– POSTS DO NOT HAVE TO BE DRILLED INTO THE GROUND.

EXCAVATION LIMITS

– THE CONTRACTOR IS RESPONSIBLE FOR THE DETERMINATION OF THE EXCAVATION (STRUCTURAL EXCAVATION) LIMITS TO COMPLETE THE WORKS. THE EXCAVATION PLANS, DEVELOPED BY THE CONTRACTOR, SHALL INCLUDE, BUT NOT LIMITED TO, EXISTING AND PROPOSED UTILITY LOCATION AND PROTECTION, EXISTING BUILDINGS, PROPERTY LIMITS, SLOPE STABILITY, ACCESS AND SAFETY.

TEMPORARY SHORING

– AS REQUIRED TO FACILITATE CONSTRUCTION OF THE PROPOSED WORKS AND PROTECT THE EXISTING BUILDING THROUGHOUT CONSTRUCTION.
– THE CONTRACTOR IS RESPONSIBLE FOR THE DETERMINATION OF THE REQUIREMENT FOR, GEOMETRY AND DESIGN OF THE TEMPORARY SHORING.
– DESIGN TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN MANITOBA

ENVIRONMENTAL PROTECTIONS

– SILT FENCE
– EROSION CONTROL BLANKET
– TURBIDITY CURTAIN
– NO IN STREAM WORK IS PERMITTED BETWEEN APRIL 1 AND JUNE 15

WATERMAIN

– FOR CREEK AND BRIDGE CONSTRUCTION, DURING EXCAVATION THE CONTRACTOR TO MAINTAIN A MAXIMUM DEPTH OF 2 METERES OVER THE WATERMAIN, EXCEPT AS DETAILED ON THE DRAWINGS OR AS APPROVED BY CONTRACT ADMINISTRATOR.
– CONTRACTOR TO USE EXTREME CARE IN PLACEMENT OF MATERIAL ON OR NEAR WATERMAIN.
– EXCAVATION AND CONSTRUCTION EQUIPMENT ARE NOT ALLOWED OVER TOP OF WATERMAIN.
– THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE WATERMAIN WHILE CONSTRUCTING THE NEW BRIDGE AND WILL BE RESPONSIBLE FOR REPAIRS IF ANY DAMAGE OCCURS.

STAGING

– DUBLIN AVE. SHALL REMAIN CLOSED FOR THE DURATION OF THE BRIDGE CONSTRUCTION.

NOTES:

– LIMITS OF CREEK ALTERATIONS, CREEK BED AND SLOPES TO BE EXCAVATED, THE CREEK BED REGRADED AND CHANNEL ALTERED TO MATCH EXISTING. NON–WOVEN GEOTEXTILE AND RIPRAP TO BE REPLACED OVER TOP.

– APPROX AREA OF REGRADE AND ESTABLISH NATURALIZATION

EXISTING	LEGEND – PLAN	NEW	EXISTING	LEGEND – PLAN	NEW	EXISTING	LEGEND – PLAN	NEW
	GAS			TRAFFIC SIGN				
	MTS			MANHOLE				
	ABANDONED MTS			CATCH BASIN				
	WATERMAIN			WATER VALVE				
	ABANDONED WATERMAIN			FIRE HYDRANT				
	WWS			SURVEY BAR				
	TEMPORARY / EXISTING FENCE			EXISTING BUILDING				
	WOOD PARKING BARRIER							
	PROPERTY LINE							
	SEWER LINE							
	ANTICIPATED RIVER REGRADING							

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. 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.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	19.09.18	J.M.B.

Stantec
500 - 311 Portage Avenue, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	H.M.V.	CHECKED BY	C.D.
DRAWN BY	J.M.B.	APPROVED BY	K.S.A.
HOR. SCALE: VERTICAL:	1:250	RELEASED FOR CONSTRUCTION:	
DATE	2019.09.18	DATE	

ENGINEER'S SEAL

TENDER DRAWING
NOT TO BE USED FOR CONSTRUCTION

CONSULTANT DRAWING NO.
S-101

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DUBLIN AVENUE BRIDGE REPLACEMENT
PROPOSED BRIDGE STRUCTURE
SCOPE OF WORK

SHEET 4 OF 48
CAD FILE DRAWING NUMBER 33340s-101-926.dwg
CITY DRAWING NUMBER B105-19-4

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