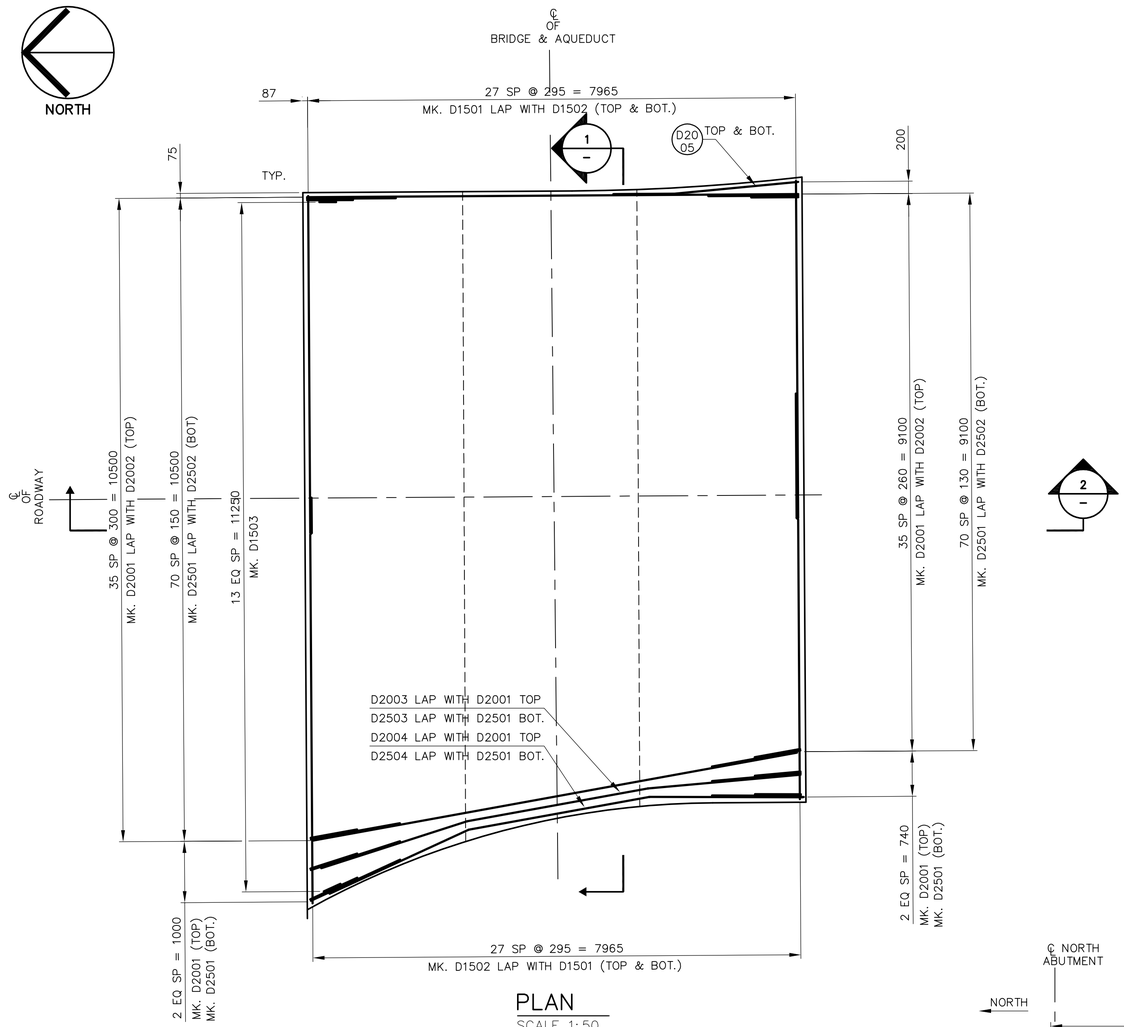
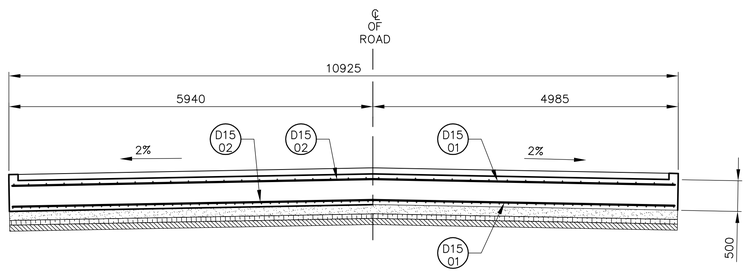
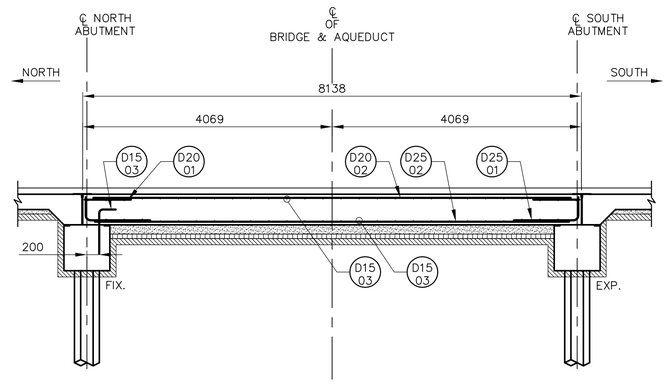


PLAN
SCALE 1:50



1 – SECTION
SCALE 1:50

NOTE:
SEE CURB AND REINFORCEMENT DETAIL ON SHEET



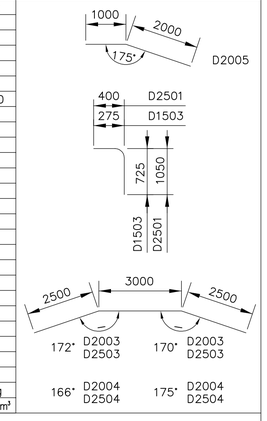
2 – SECTION
SCALE 1:50

BILL OF REINFORCING STEEL
FOR SLAB

STRAIGHT BARS				BENT BARS			
MK.	No.	LENGTH	MASS	MK.	No.	LENGTH	MASS
D1501	56	6620	483	D1503	14	1000	22
D1502	56	5500	581				
				D2003	1	8000	19
D2001	76	750	134	D2004	1	8000	19
D2002	36	8000	677	D2005	2	3000	14
D2502	71	8000	2227	D2501	146	1450	830
				D2503	1	8000	31
				D2504	1	8000	31

TOTAL MASS OF REINFORCING STEEL	5069 kg
TOTAL VOLUME OF STRUCTURAL CONCRETE (BRIDGE SLAB)	42.65 m³

BENDING DIAGRAM



NOTES:

1. ALL DIMENSIONS GIVEN ARE OUT TO OUT, EXCEPT RADII ARE INSIDE DIMENSIONS.
2. ALL REINFORCING STEEL SHALL BE DEFORMED REINFORCING, UNLESS NOTED OTHERWISE IN THE ABOVE BILL OF REINFORCING STEEL.
3. ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA G30.16-M92 GRADE 400W UNLESS NOTED OTHERWISE IN THE ABOVE BILL OF REINFORCING STEEL.
4. LIKE BARS SHALL BE BUNDLED, SECURELY TIED AND IDENTIFIED AS TO MARK AND SITE No. BY APPROPRIATE MEANS. ALL OTHER ITEMS SHALL BE IDENTIFIED IN A SIMILAR FASHION.

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2006

B.M. ELEV.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	06/02/03	KC

CH2MHILL
Fredericksen Cooper ARCHITECTS
EarthTech A Tyco International Ltd. Company

DESIGNED BY	AP	CHECKED BY	EBL
DRAWN BY	KC	APPROVED BY	D.J. TANIGUCHI
SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
DATE		DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL SIGNED BY
E. B. LOEWEN
Member 8325
06/02/06
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
WN-S0482

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT
AQUEDUCT BRIDGES
FOUNDATIONS & CONCRETE STRUCTURES

STRUCTURAL
MIDDLE BRIDGE
DECK SLAB DETAILS

CITY FILE NUMBER
SHEET 4 OF 7
CITY DRAWING NUMBER
1-060IN-A-S0482-001-00D

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