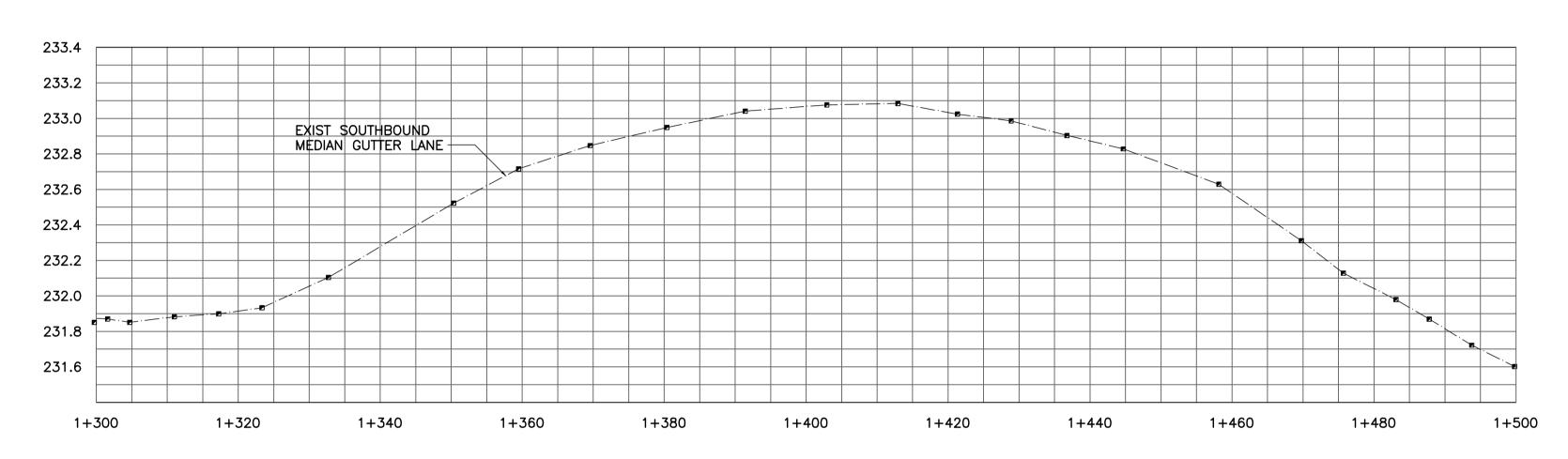
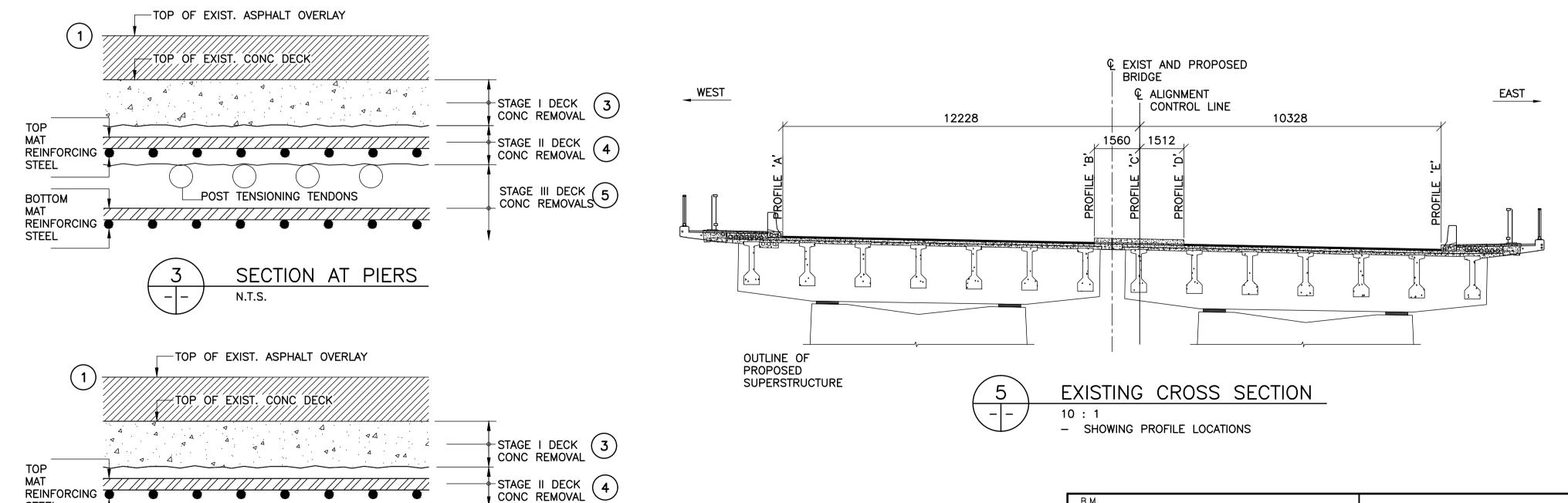


PROFILE 'A' - 12.228 WEST OF ALIGNMENT CONTROL LINE VERT = 1 : 450HOR = 1 : 1125



PROFILE 'B' - 1.56m WEST OF ALIGNMENT CONTROL LINE VERT = 1 : 450HOR = 1 : 1125



STAGE III DECK 5

SECTION AT MIDSPAN

N.T.S.

STEEL

воттом

STEEL

REINFORCING

## PROCEDURE AND SEQUENCE OF STRUCTURAL REMOVALS FOR DECK **DEMOLITION:**

1. REMOVE EXISTING ASPHALT OVERLAY (50MM MIN THICK).

- 2. REMOVE EXISTING BRIDGE DECK CONCRETE OVERHANGS ON SIDEWALK AND MEDIAN BY SAWCUTTING TO THE SPECIFIED LIMITS. IT IS PERMISSIBLE TO COMPLETE PARTIAL CONCRETE REMOVALS FOR THE OVERHANGS BY MEANS OF ROTOMILLING OR SCRAPING, AS APPROVED BY THE CONTRACT ADMINISTRATOR. ALL CONCRETE TO REMAIN MUST BE FULLY SUPPORTED BY WORK PLATFORMS.
- 3. STAGE I DECK CONCRETE: REMOVE 42MM MIN OF THE EXISTING CONCRETE BY MEANS OF ROTOMILLING, TO WITHIN 6mm OF THE TOP OF THE TOP MAT OF REINFORCING STEEL.
- 4. STAGE II DECK CONCRETE: REMOVE EXISTING CONCRETE TO THE TOP OF THE EXISTING POST TENSIONING DUCTS OVER PIERS AND 10mm BELOW THE BOTTOM OF THE TOP MAT OF REINFORCING STEEL BY HYDRODEMOLITION. REMOVE AND DISPOSE OF TOP MAT OF EXISTING REINFORCING STEEL. A DEPTH OF 40mm IS EXPECTED FOR THESE REMOVALS.
- 5. STAGE III DECK CONCRETE: ADDITIONAL CONCRETE REMOVALS MAY BE REQUIRED, AS DIRECTED BY THE CONTRACT ADMINISTRATOR. THESE REMOVALS WILL BE DESIGNATED BY THE FOLLOWING: TYPE 1: REMOVAL OF EXISTING DECK CONCRETE BELOW LIMITS OF STAGE II DECK CONCRETE TO THE MID HEIGHT
- OF THE EXISTING TOP LAYER OF THE BOTTOM REINFORCING MAT. TYPE 2: FULL DEPTH REMOVALS OF EXISTING DECK CONCRETE.
- TYPE 3: REMOVAL OF THE EXISTING CONCRETE AROUND THE TOP ½ OF THE POST TENSIONING DUCTS REQUIRED FOR THE REMEDIAL REPAIRS.
- 6. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING POST TENSIONING TENDON REPAIRS. POST TENSIONING TENDONS ARE UNDER TENSION. THE CONTRACTOR SHALL CONSIDER THE POTENTIAL FOR DEBONDING OF THE TENDONS DURING STRUCTURAL REMOVAL OPERATIONS. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT POST TENSIONING ANCHORAGES DURING STRUCTURAL REMOVAL OPERATIONS.
- 7. FOLLOWING REMOVAL OF THE TOP MAT OF EXISTING REINFORCING STEEL AND UNTIL COMPLETION OF THE NEW DECK SLAB CONCRETE, EQUIPMENT TRAVELING ACROSS THE DECK SHALL BE LIMITED TO A GVW OF 10,000kg.
- 8. CONDUCT A SCREED SURVEY OF THE EXISTING CONCRETE FOLLOWING ALL STRUCTURAL REMOVALS AT EACH STATION ALONG PROFILE LINES A, B, C, D AND E AND FILL IN COLUMN 4 IN THE TABLE ON SHEET 7.
- 9. THE CONTRACT ADMINISTRATOR WILL CONFIRM THAT ALL REMOVALS HAVE TAKEN PLACE AND WILL PROVIDE THE FINAL ELEVATIONS FOR THE NEW DECK SLAB CONCRETE IN COLUMN 5 IN THE TABLE ON SHEET 7.
- 10. THE CONTRACTOR SHALL ALLOW FOR FIVE (5) BUSINESS DAYS BETWEEN HIS SUBMISSION OF THE SURVEY DATA IN PROCEDURE 9 FROM THE CONTRACT ADMINISTRATOR.

<b>APEGII</b>							
Certificate of Authorization							
<b>Wardrop Engineering Inc.</b>							
No. 195 Expiry: April 30, 2011							

DRAWN C.T.  DRAWN BY  C.T.  DRAWN BY  C.T.  APPROVED R.H.W.  HOR. SCALE: CONSTRUCTION ORIGINAL SIGNED ORIGINAL SIGNED  ORIGINAL SIGNED  ORIGINAL SIGNED  11.02.16  Member 23477  APPROVED R.H.W.  ORIGINAL SIGNED  ORIGINAL SIGNED  11.02.16	B. EL	M. EV.	F.B.	, ,	DROP ATECH COMPANY	ORIGINAL SIGNED 11.02.16  V. BANTHIA
OU ISSUED FOR TENDER 11.02.18 VB HOR. SCALE: AS NOTED CONSTRUCTION CONSULTANT DRAWING NO. ORIGINAL SIGNED 11.02.16				DRAWN O.T.	APPROVED DILW	Member /₩/
	$\vdash$		_	 VERTICAL:	CONSTRUCTION ORIGINAL SIGNED 11.02.	CONSULTANT DRAWING NO.



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT **ENGINEERING DIVISION** 

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COODUE CIDEET DOIDOE	CITY DRAWING NUMBER		
SBORNE STREET BRIDGE THABILITATION & RELATED WORKS	B109-11-010		
HABILITATION & RELATED WORKS	SHEET 5 OF 131		
FCK PROFILE 1			