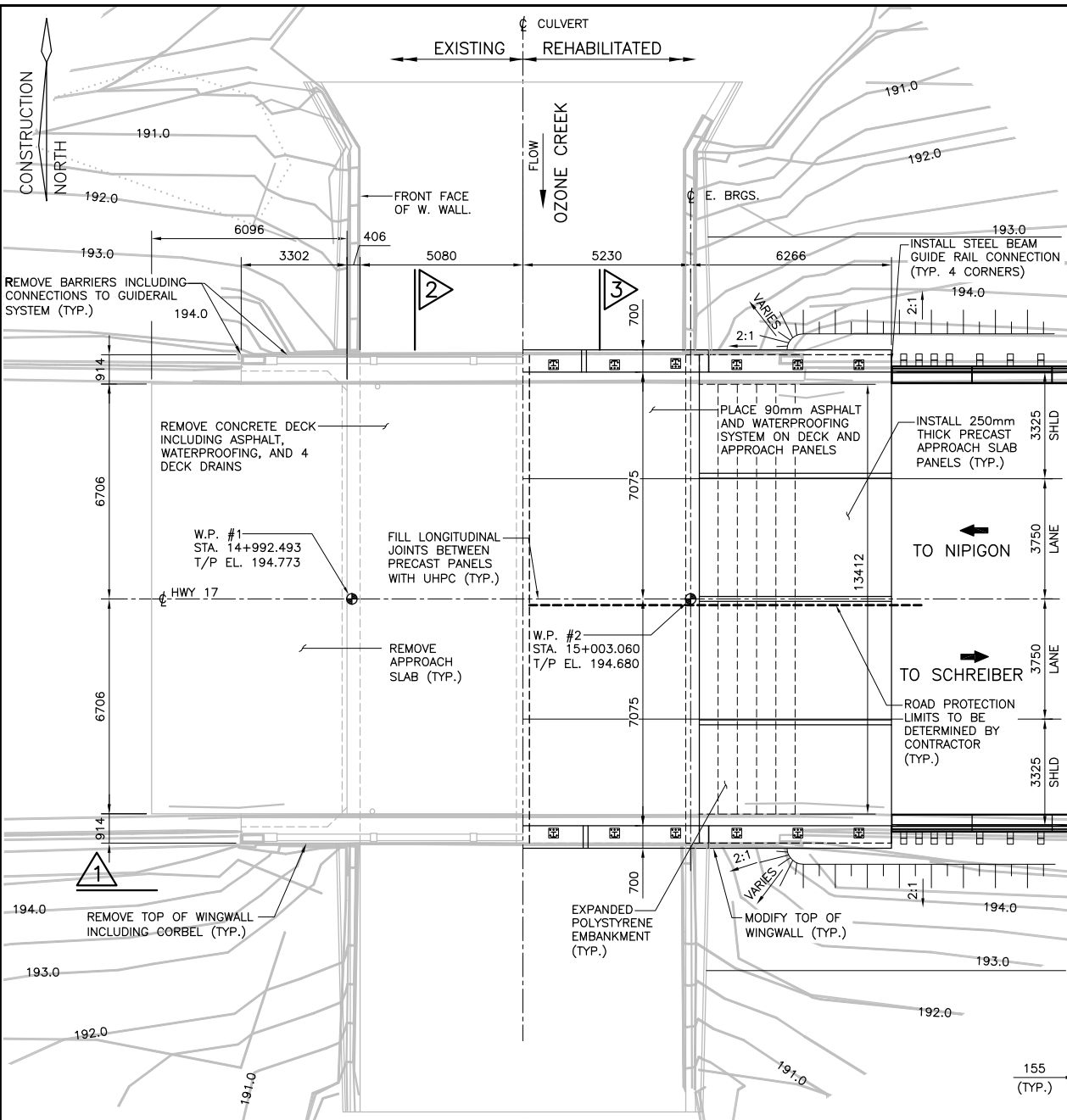
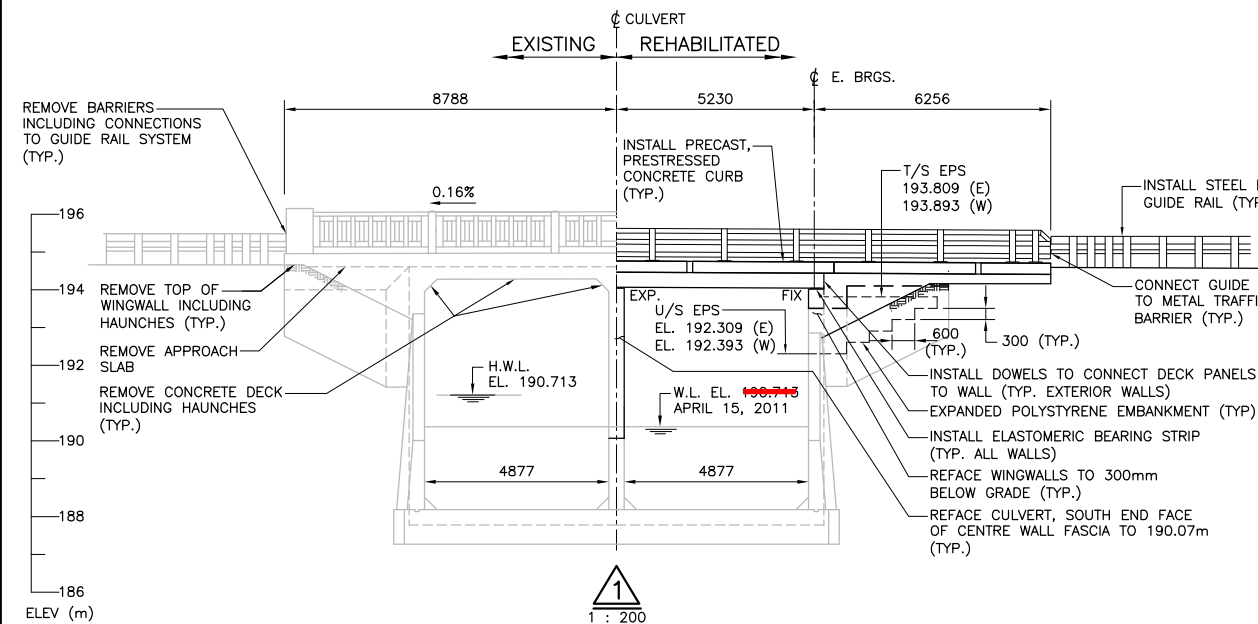


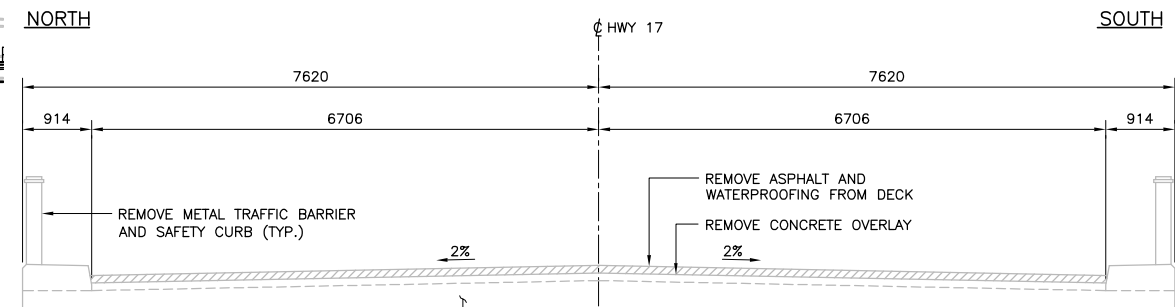
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 DATE PLOTTED: 5/28/2015 5:26:48 PM BY: MICHAEL YANG



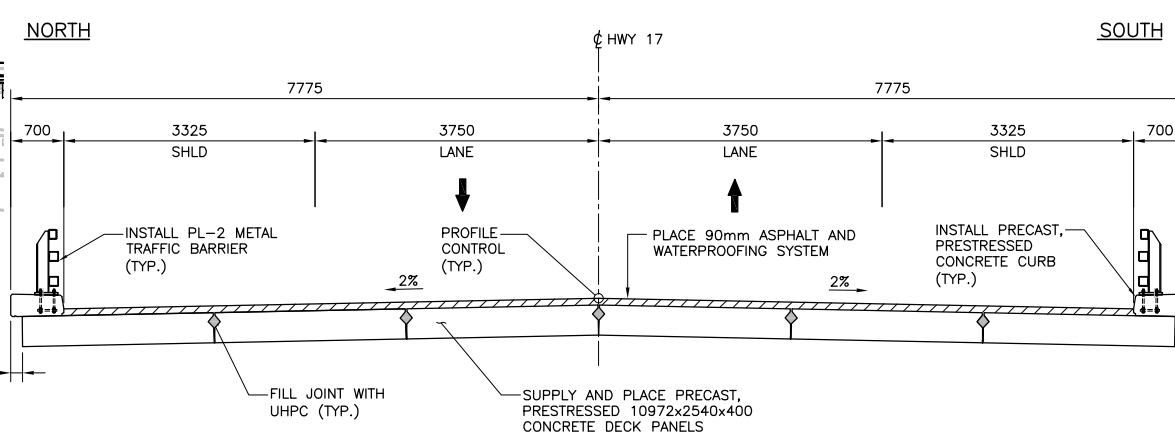
PLAN
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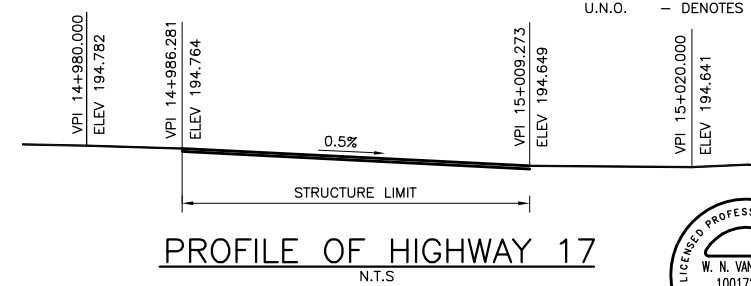
1
1 : 200



2 EXISTING
1 : 100



3 REHABILITATED
1 : 100



PROFILE OF HIGHWAY 17
N.T.S.

LIST OF ABBREVIATIONS:

- H.W.L. - DENOTES HIGH WATER LEVEL
- W.L. - DENOTES WATER LEVEL
- T/S - DENOTES TOP SIDE
- U/S - DENOTES UNDERSIDE
- WP - DENOTES WORKING POINT
- UHPCC - DENOTES ULTRA HIGH-PERFORMANCE CONCRETE
- U.N.O. - DENOTES UNLESS NOTED OTHERWISE



DRAWING NOT TO BE SCALED
50mm ON ORIGINAL DRAWING

METRIC
DIMENSIONS ARE IN METRES
AND/OR MILLIMETRES
UNLESS OTHERWISE SHOWN

CONT. No. WP No. 6101-10-01	SHEET 10
HWY 17 OZONE CREEK CULVERT	
GENERAL ARRANGEMENT	METRIC

GENERAL NOTES

CLASS OF CONCRETE:

ALL PRECAST CONCRETE 60 MPa
REMAINDER U.N.O. 35 MPa

CLEAR COVER TO REINFORCEMENT:

PRECAST CONC. PANEL - TOP & SIDES - 50±10
PRECAST CONC. PANEL - BOTTOM - 40±10
PRECAST CONCRETE CURBS - 35±10/-5
CAST-IN-PLACE CONCRETE U.N.O. - 70±20

GLASS FIBRE REINFORCED POLYMER (GFRP) BARS

GLASS FIBRE REINFORCED POLYMER BAR SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE.

GRADE	BAR DIA.	STRAIGHT BAR		BENT BARS*	
		MIN. SPECIFIED LONG. TENSILE STRENGTH kN	MIN. LONG. MODULUS OF ELASTICITY GPa	MIN. SPECIFIED LONG. TENSILE STRENGTH kN	MIN. LONG. MODULUS OF ELASTICITY GPa
I	15	130	40	130	40
	20	170	40	153	40

* TENSILE STRENGTH AND MODULUS ARE GIVEN FOR STRAIGHT PORTION OF THE BENT BAR. MINIMUM STRENGTH AT THE BEND SHALL BE AT LEAST 40% OF THE MINIMUM STRENGTH OF THE STRAIGHT PORTION OF THE BENT GFRP BAR.

CARBON FIBRE REINFORCED POLYMER (CFRP) BARS:

- PRESTRESSING TENDONS SHALL BE ASLAN 200 #4 (12mmØ) CFRP BY HUGHES ASLAN OR V-ROD BY PULTRALL OR AS APPROVED.

CONSTRUCTION NOTES

- CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS PRIOR TO BEGINNING WORK. ANY VARIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACT ADMINISTRATOR.
- THE CONTRACTOR SHALL VERIFY THE SIZE AND SHAPE OF ALL PRECAST COMPONENTS PRIOR TO BEGINNING WORK. ANY VARIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACT ADMINISTRATOR.
- THE TEMPORARY ROADWAY PROTECTION SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF PERFORMANCE LEVEL 2.
- ALL TOP FINISHED CONCRETE SURFACES SHALL HAVE A TOLERANCE SUCH THAT WHEN TESTED WITH A 3m STRAIGHT EDGE IN ANY DIRECTION THE GAP BETWEEN THE EDGE AND THE SURFACE BEING MEASURED SHALL BE NOT MORE THAN 3mm.
- ALL ELEVATIONS ARE TO GEODETIC DATUM.
- THE CONTRACTOR IS ADVISED NOT TO RELY ON WATER LEVEL SHOWN. THE WATER LEVEL IS SUBJECT TO VARIATIONS.
- UNLESS OTHERWISE SHOWN, SAWCUTS SHALL BE 25mm DEEP OR TO THE FIRST LAYER OF REINFORCING STEEL, WHICHEVER IS LESS.

APPLICABLE STANDARD DRAWINGS

- OPSD 3370.100 DECK, WATERPROOFING HOT APPLIED ASPHALT MEMBRANE WITH PROTECTION BOARD
 OPSD 3370.101 DECK, WATERPROOFING HOT APPLIED ASPHALT MEMBRANE AT ACTIVE CRACKS GREATER THAN 2mm WIDE AND CONSTRUCTION JOINTS

LIST OF DRAWINGS:

- GENERAL ARRANGEMENT
- BOREHOLE LOCATION AND SOIL STRATA
- CONSTRUCTION STAGING
- REMOVALS/MODIFICATIONS
- SUBSTRUCTURE MODIFICATIONS
- PRECAST PRESTRESSED PANEL LAYOUT
- PRECAST PRESTRESSED DECK PANEL
- 6000mm PRECAST APPROACH SLAB
- PRECAST PRESTRESSED CURB LAYOUT
- PRECAST PRESTRESSED CURB TYPES
- PRECAST CURB & GUTTER OUTLET DETAILS 1 OF 2
- PRECAST CURB & GUTTER OUTLET DETAILS 2 OF 2
- PL-2 METAL TRAFFIC BARRIER RAIL
- PL-2 METAL TRAFFIC BARRIER RAIL STEEL BEAM GUIDE RAIL END CONNECTION

REVISIONS	DESCRIPTION

DESIGN JS	CHK JCS	CODE CHBDC 10	LOAD CL-625-ONT	DATE MAY/15
DRAWN BT	CHK JS	SITE 48C-112	STRUCT	SCHEME DWG 1