

FOR CONNECTION CHANNEL DESIGN SEE DWG. 01222-182

TABLE 181-1 : WEST EMBANKMENT

WORKPOINT TABLE			
WORKPOINT	NORTHING	EASTING	ELEVATION
RBW1	143123.314	257772.865	1285.980
RBW2	143121.348	257777.572	1285.980
RBW3	143110.974	257781.981	1285.980
RBW4	143102.419	257776.421	1285.800
RBW5	143089.899	257768.286	1285.540
RBW6	143088.462	257758.944	1285.540
RBW7	143090.350	257754.423	1285.540
RCW3	143112.211	257780.078	1287.180
RCW4	143103.655	257774.518	1287.000
RCW5	143091.136	257766.383	1286.740
RTW1	143118.331	257770.784	1289.580
RTW2	143116.365	257775.491	1289.580
RTW3	143114.897	257775.944	1289.580
RTW4	143106.342	257770.384	1289.400
RTW5	143093.823	257762.249	1289.140
RTW6	143093.445	257761.025	1289.140
RTW7	143095.333	257756.504	1289.140

TABLE 181-2 : EAST EMBANKMENT

WORKPOINT TABLE			
WORKPOINT	NORTHING	EASTING	ELEVATION
RBE1	143109.217	257806.617	1286.050
RBE2	143111.537	257801.064	1286.050
RBE3	143110.099	257791.721	1286.050
RBE4	143097.709	257783.670	1285.800
RBE5	143089.078	257778.062	1285.620
RBE6	143078.765	257782.331	1285.620
RBE7	143076.240	257787.994	1285.620
RCE3	143108.799	257793.722	1287.250
RCE4	143096.436	257785.688	1287.000
RCE5	143087.778	257780.063	1286.820
RTE1	143104.235	257804.536	1289.650
RTE2	143106.554	257798.983	1289.650
RTE3	143106.176	257797.759	1289.650
RTE4	143093.793	257789.696	1289.400
RTE5	143085.155	257784.100	1289.220
RTE6	143083.697	257784.531	1289.220
RTE7	143081.172	257790.194	1289.220

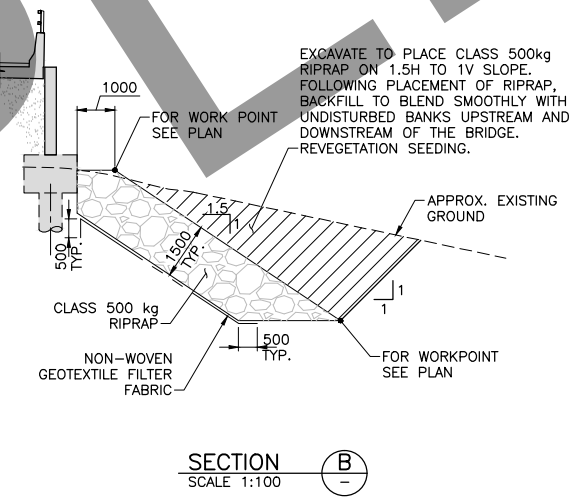
CLASS 500 kg RIPRAP		
PERCENT FINER BY WEIGHT	WEIGHT	APPROXIMATE SIZE
85%	1500kg	1030mm
50%	500kg	715mm
15%	50kg	330mm

HYDROTECHNICAL NOTES:

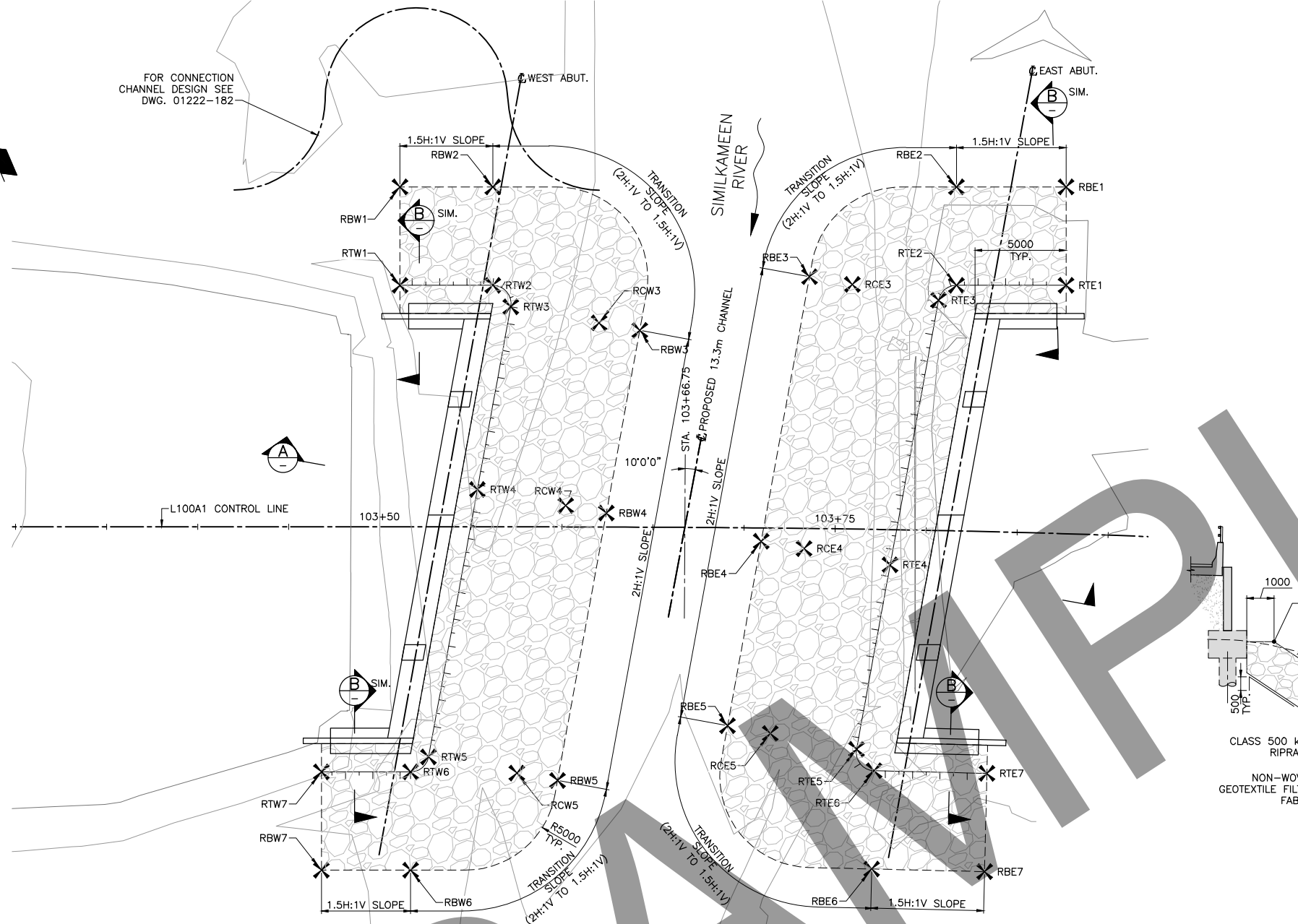
1. DRAINAGE AREA = 67km²
2. MAXIMUM INSTANTANEOUS Q₁₀₀ = 60m³/s
3. MAXIMUM INSTANTANEOUS Q₂₀₀ = 68m³/s
4. AVERAGE SURVEY CHANNEL SLOPE = 0.0165m/m

NOTES:

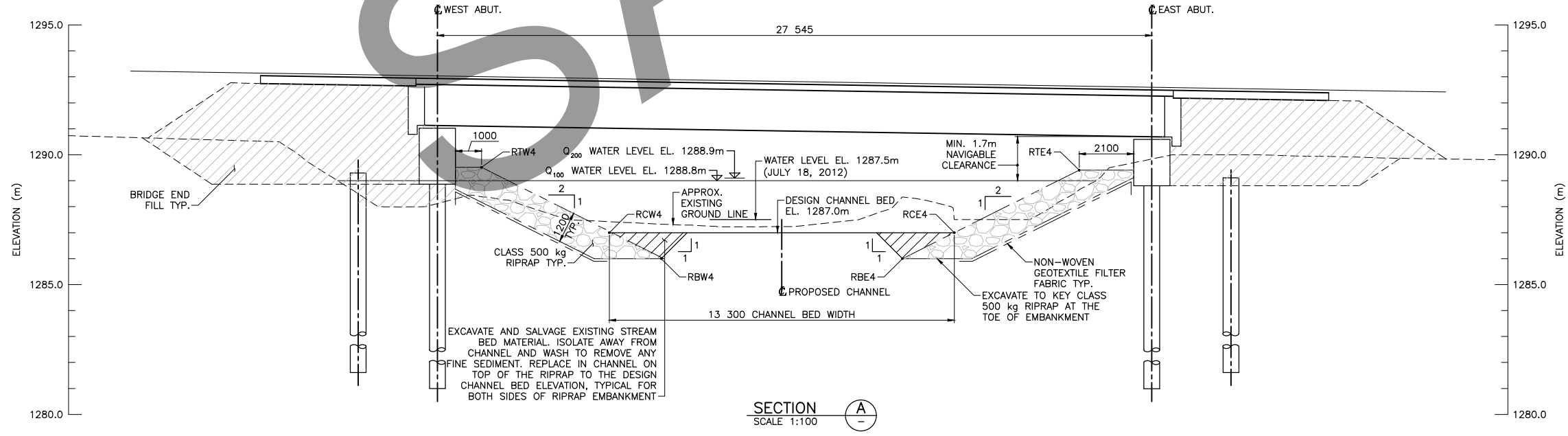
1. FOR GENERAL NOTES SEE DWG. 01222-101.
2. THE MINISTRY OF TRANSPORTATION & INFRASTRUCTURE 2012 STANDARD SPECIFICATIONS FOR HIGHWAYS CONSTRUCTION APPLY TO THIS PROJECT.
3. RIPRAP CONSTRUCTION SHALL CONFORM TO STANDARD SPECIFICATION SECTION 205.
4. RIPRAP SHALL BE CLASS 500kg.
5. SEE HYDROTECHNICAL DESIGN MEMO BY MoTI DATED OCT. 4, 2012 FOR DETAILS.



SECTION B SCALE 1:100



PLAN SCALE 1:150



SECTION A SCALE 1:100



Rev	Date	Description	Init
D	13/06/14	100% V2 DESIGN SUBMISSION	KH
C	13/03/22	100% DESIGN SUBMISSION	KH
B	13/02/15	90% SUBMISSION	KH
A	12/12/21	PRELIMINARY DESIGN SUBMISSION	KH

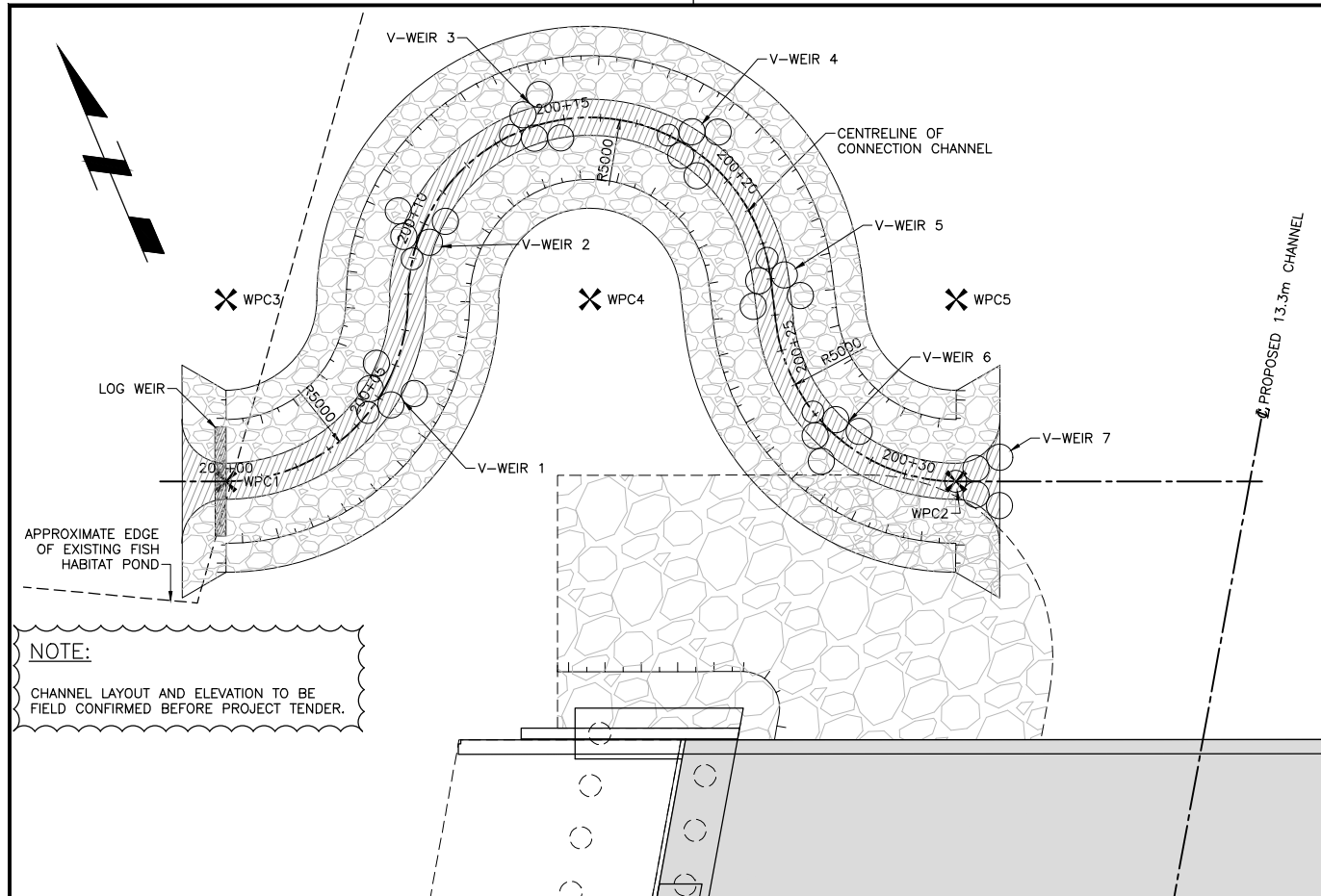
REVISIONS



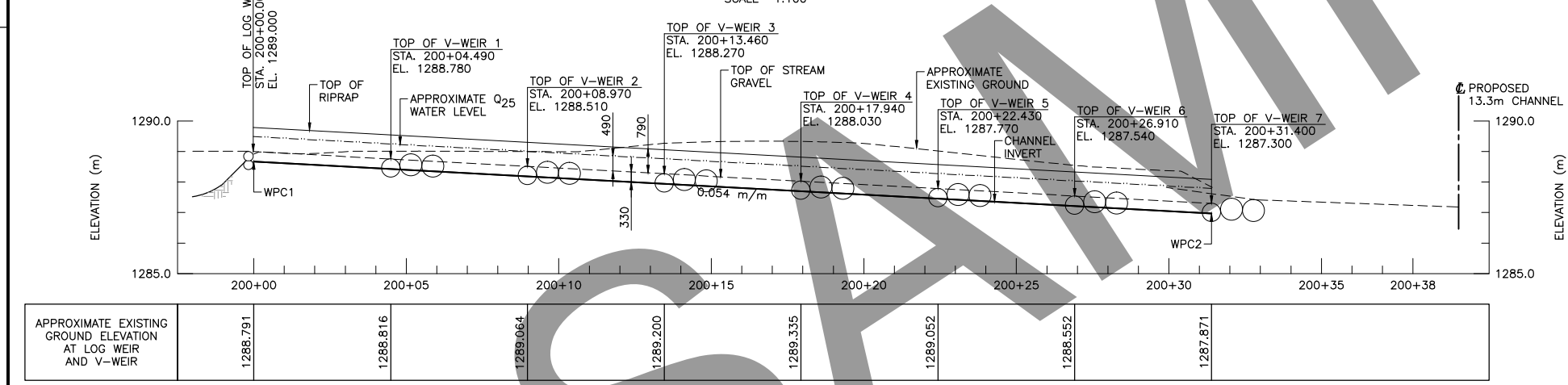
Ministry of Transportation & Infrastructure
South Coast Region

LOWER MAINLAND DISTRICT
Highway No. 3
UPPER CAMBIE CREEK BRIDGE No. 01222
SCOUR AND EROSION PROTECTION

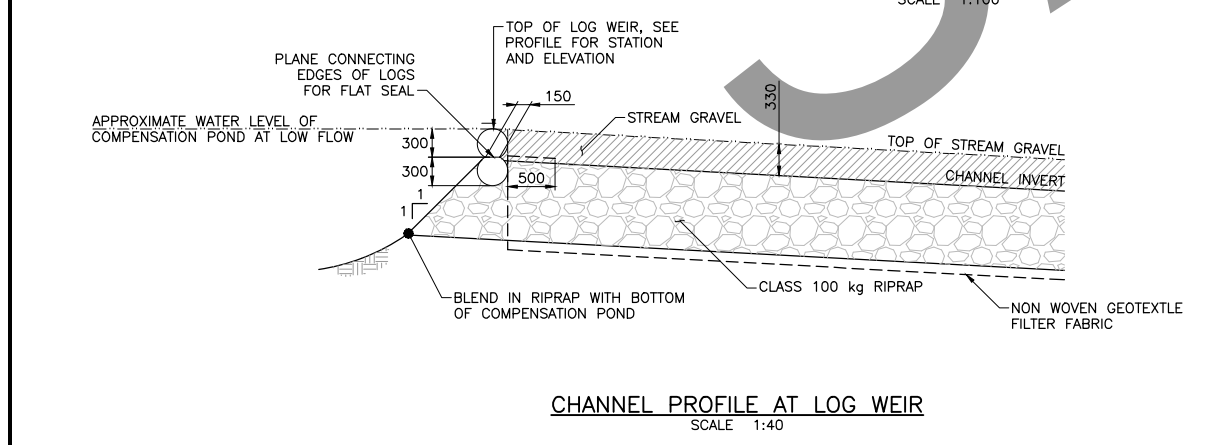
PREPARED UNDER THE DIRECTION OF KEITH HOLMES	DESIGNED <u>DC</u> DATE 12/12/14 CHECKED <u>MDF</u> DATE 12/12/14 DRAWN <u>BD</u> DATE 12/12/14 SCALE AS NOTED
ENGINEER OF RECORD DATE	NEGATIVE No.
FILE No.	PROJECT No.
REG. 1	DRAWING No. 01222-181 D



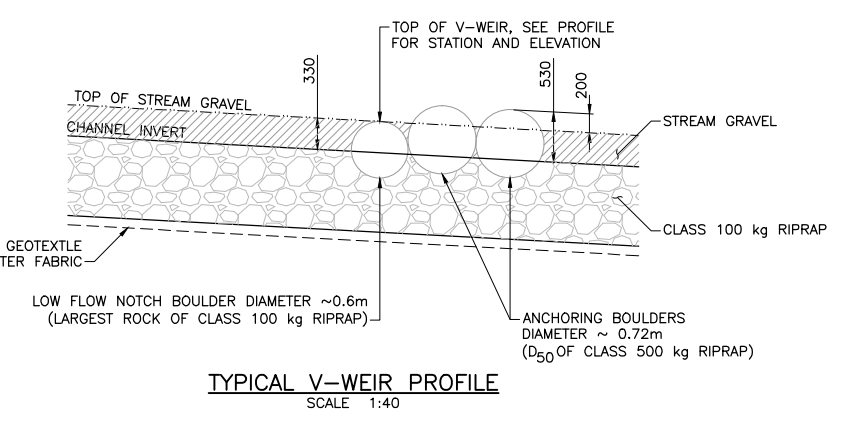
CONNECTION CHANNEL PLAN
SCALE 1:100



CONNECTION CHANNEL PROFILE
SCALE 1:100



CHANNEL PROFILE AT LOG WEIR
SCALE 1:40



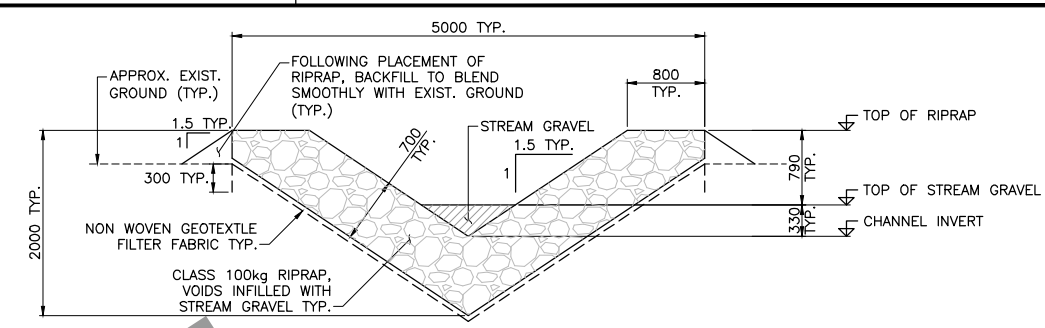
TYPICAL V-WEIR PROFILE
SCALE 1:40

CLASS 100kg RIPRAP

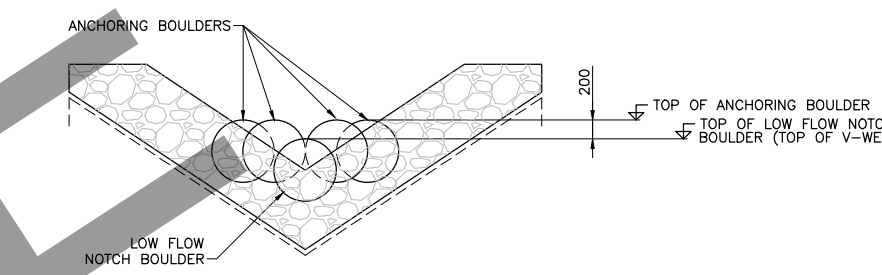
D ₈₅	300kg	600mm
D ₅₀	100kg	415mm
D ₁₅	10kg	195mm

STREAM GRAVEL

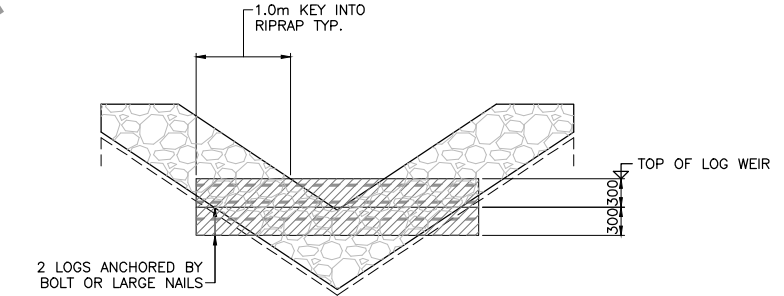
D ₈₅	75mm
D ₅₀	12.5mm
D ₁₅	0.6mm



TYPICAL CHANNEL CROSS SECTION
SCALE 1:40



TYPICAL V-WEIR SECTION
SCALE 1:40



CROSS SECTION AT LOG WEIR
SCALE 1:40

- NOTES:**
- FOR GENERAL NOTES SEE DWG. 01222-101.
 - REFER TO THE "RIPRAP PROTECTION" SECTION OF SPECIAL PROVISIONS FOR THE SPECIFICATIONS OF NON-WOVEN GEOTEXTILE FILTER FABRIC.
 - LOG WEIR SHALL BE WESTERN RED CEDAR OR APPROVED EQUIVALENT.



Rev	Date	Description	Init
B	13/06/14	100% V2 DESIGN SUBMISSION	KH
A	13/03/22	100% DESIGN SUBMISSION	KH

REVISIONS



Ministry of Transportation & Infrastructure
South Coast Region

LOWER MAINLAND DISTRICT
Highway No. 3
UPPER CAMBIE CREEK BRIDGE No. 01222
CONNECTION CHANNEL LAYOUT AND DETAILS

DESIGNED	DC/VS	DATE	13/03/06
CHECKED	MDE/AS	DATE	13/03/06
DRAWN	BD	DATE	13/03/06
SCALE	AS NOTED		
NEGATIVE No.			
FILE No.	PROJECT No.	REG.	DRAWING No.
		1	01222-182 B