ROCKY RIVER FISHWAY DIVERSION WALL 2019 COLINET, NEWFOUNDLAND PROJECT No. F6879-191003 ISSUED FOR 99% REVIEW

LIST OF DRAWINGS:

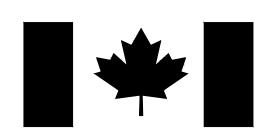
C1 OF 4 EXISTING SITE PLAN WITH DEMOLITION

C2 OF 4 NEW SITE PLAN

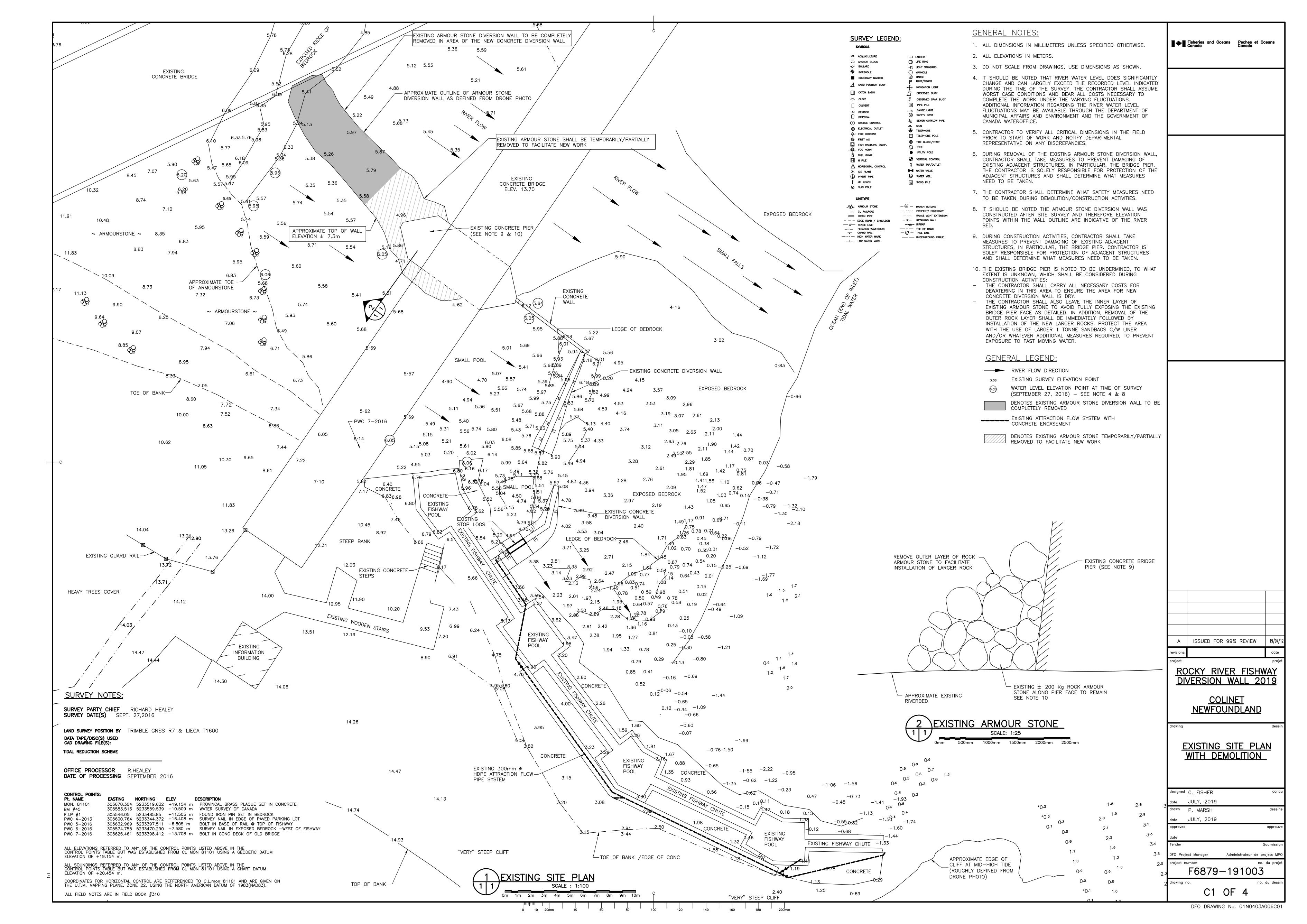
C3 OF 4 DIVERSION WALL - PROFILE AND SECTIONS

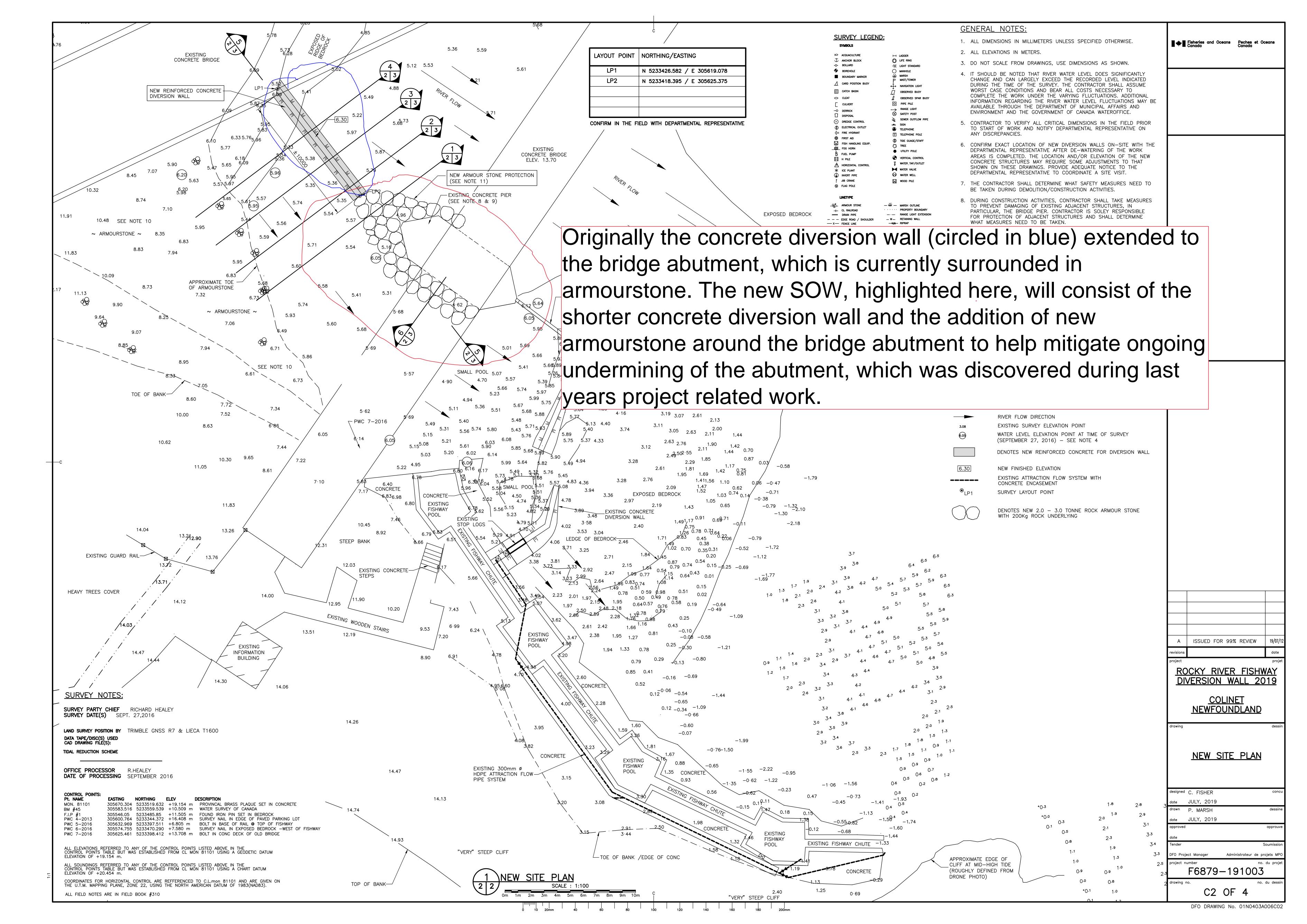
C4 OF 4 DIVERSION WALL - DETAILS

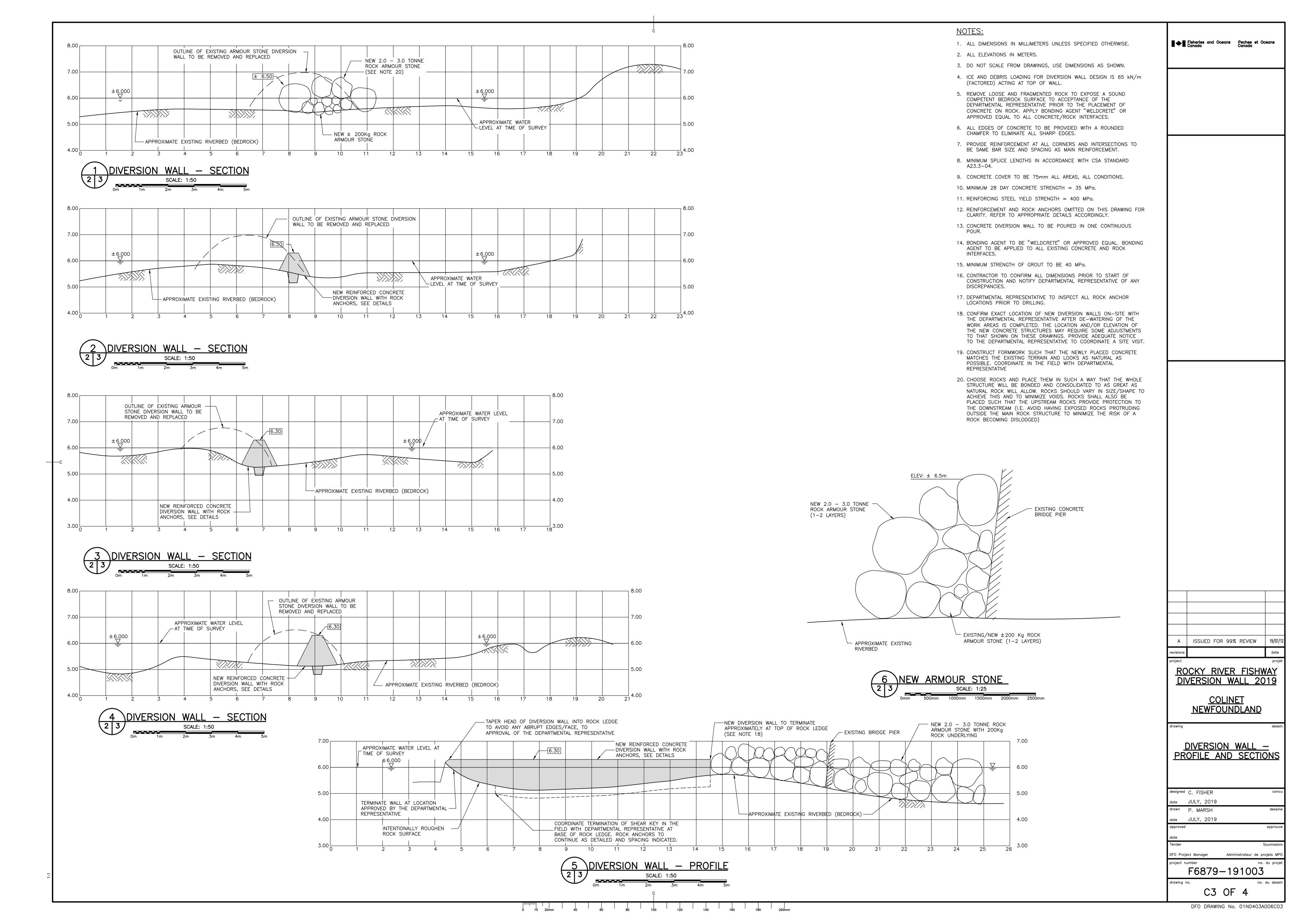
PREPARED FOR

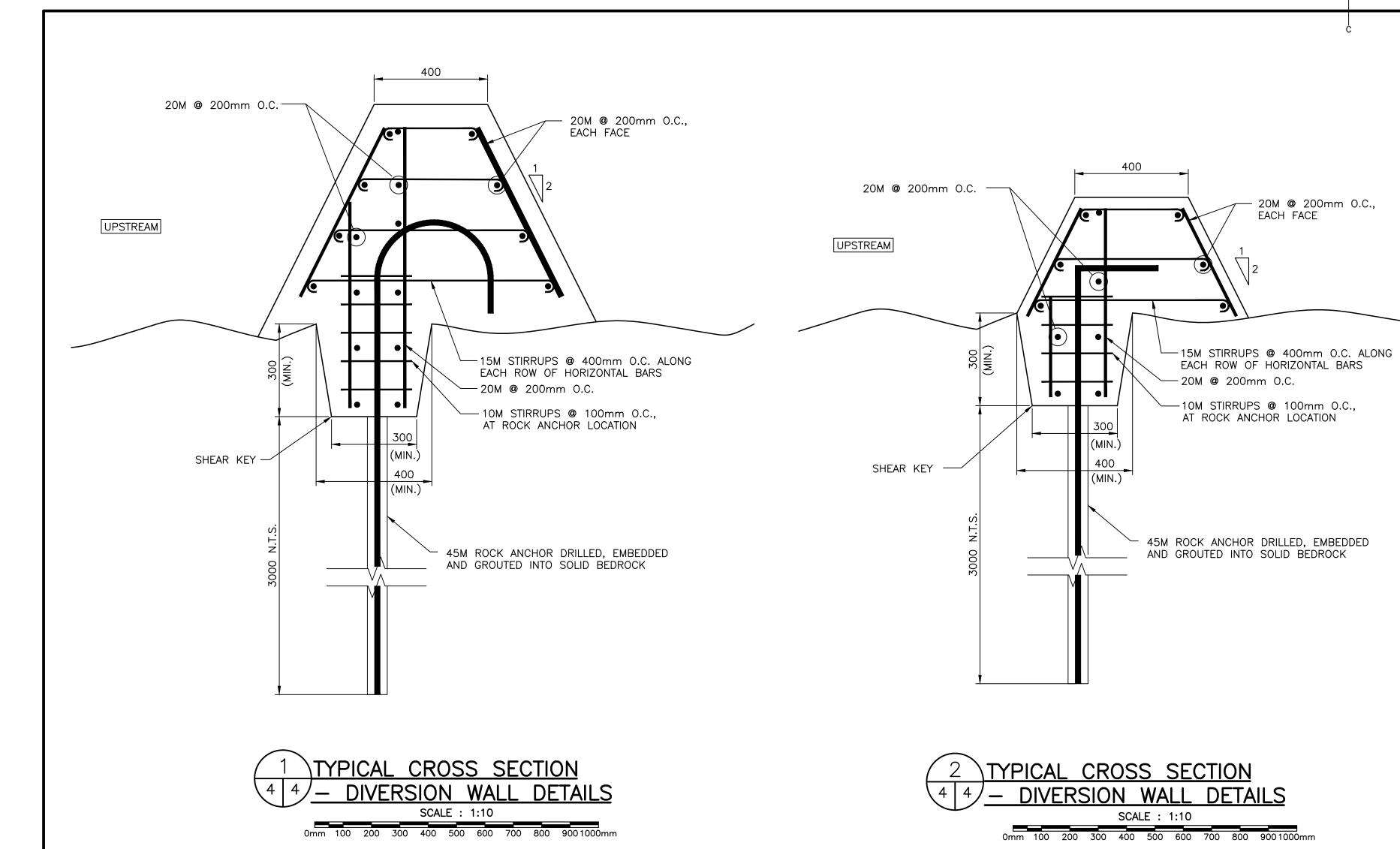


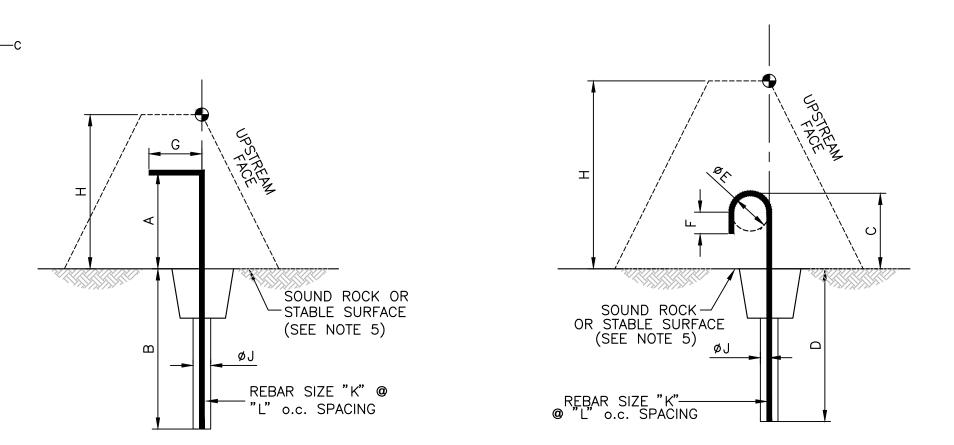
DEPARTMENT OF FISHERIES AND OCEANS











TYPE I ANCHOR													
		DIMENSIONS									REBAR		
	TYPE	Α	В	С	D	Е	F	G	Н	J	K	L	
	1	200	(3300)	_	_	-	_	(300)	H<500	90	45M	800	
		_	_	(400)	(3300)	400	(180)	_	500≤H≤2000	90	45M	800	

 (*) DENOTES MINIMUM DIMENSION
 IF THE HEIGHT OF THE DEFLECTION WALL VARIES FROM FRONT TO BACK, THE LARGEST HEIGHT SHALL GOVERN.

3. THE CONTRACTOR SHALL CONFIRM LOCATIONS OF ROCK ANCHORS WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO ANY DRILLING.



NOTES:

- 1. ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
- 2. ALL ELEVATIONS IN METERS.
- 3. DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS AS SHOWN.
- 4. ICE AND DEBRIS LOADING FOR DIVERSION WALL DESIGN IS 65 kN/m (FACTORED) ACTING AT TOP OF WALL.
- 5. REMOVE LOOSE AND FRAGMENTED ROCK TO EXPOSE A SOUND COMPETENT BEDROCK SURFACE TO ACCEPTANCE OF THE DEPARTMENTAL REPRESENTATIVE PRIOR TO THE PLACEMENT OF CONCRETE ON ROCK. APPLY BONDING AGENT "WELDCRETE" OR APPROVED EQUAL TO ALL CONCRETE/ROCK INTERFACES.
- 6. ALL EDGES OF CONCRETE TO BE PROVIDED WITH A ROUNDED CHAMFER TO ELIMINATE ALL SHARP EDGES.
- 7. PROVIDE REINFORCEMENT AT ALL CORNERS AND INTERSECTIONS TO BE SAME BAR SIZE AND SPACING AS MAIN REINFORCEMENT.
- 8. MINIMUM SPLICE LENGTHS IN ACCORDANCE WITH CSA STANDARD A23.3-04.
- 9. CONCRETE COVER TO BE 75mm ALL AREAS, ALL CONDITIONS.
- 10. MINIMUM 28 DAY CONCRETE STRENGTH = 35 MPa.
- 11. REINFORCING STEEL YIELD STRENGTH = 400 MPa.
- 12. REINFORCEMENT AND ROCK ANCHORS OMITTED ON SOME DETAILS FOR CLARITY. REFER TO APPROPRIATE DETAILS ACCORDINGLY.
- 13. CONCRETE DIVERSION WALL TO BE POURED IN ONE CONTINUOUS POUR.
- 14. BONDING AGENT TO BE "WELDCRETE" OR APPROVED EQUAL. BONDING AGENT TO BE APPLIED TO ALL EXISTING CONCRETE AND ROCK INTERFACES.
- 15. MINIMUM STRENGTH OF GROUT TO BE 40 MPa.
- 16. CONTRACTOR TO CONFIRM ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
- 17. DEPARTMENTAL REPRESENTATIVE TO INSPECT ALL ROCK ANCHOR LOCATIONS PRIOR TO DRILLING.
- 18. CONFIRM EXACT LOCATION OF NEW DIVERSION WALLS ON—SITE WITH THE DEPARTMENTAL REPRESENTATIVE AFTER DE—WATERING OF THE WORK AREAS IS COMPLETED. THE LOCATION AND/OR ELEVATION OF THE NEW CONCRETE STRUCTURES MAY REQUIRE SOME ADJUSTMENTS TO THAT SHOWN ON THESE DRAWINGS. PROVIDE ADEQUATE NOTICE TO THE DEPARTMENTAL REPRESENTATIVE TO COORDINATE A SITE VISIT.
- 19. CONSTRUCT FORMWORK SUCH THAT THE NEWLY PLACED CONCRETE MATCHES THE EXISTING TERRAIN AND LOOKS AS NATURAL AS POSSIBLE. COORDINATE IN THE FIELD WITH DEPARTMENTAL REPRESENTATIVE.

Fisheries and Oceans Peches et Oceans Canada

A ISSUED FOR 99% REVIEW 19/07/
revisions date
project project

ROCKY RIVER FISHWAY

<u>COLINET</u> NEWFOUNDLAND

DIVERSION WALL 2019

DIVERSION WALL -

<u>DETAILS</u>

designed C. FISHER

date JULY, 2019

drawn P. MARSH dessir

date
Tender Soumi
DFO Project Manager Administrateur de projets

F6879-191003

g no. C4 OF 4

DFO DRAWING No. 01N0403A006C04