


PLAN
SCALE 1:250

NOTES:

1. DESIGN CRITERIA:
 - ROCK IMPACT = 1470 KILOJOULES (LINEAR + ROTATIONAL ENERGY)
 - ROCK MASS = 3 TONNES
 - ROCK VELOCITY = 27 m/s
 - MAX. HEIGHT OF IMPACT = 3 m
2. CONCRETE TO CSA 23.1 MIN. 35 MPa AT 28 DAYS
3. REINFORCEMENT TO CSA G30.18-M, GRADE 400W DO NOT WELD REINFORCEMENT
4. STYROFOAM INSULATION - TYPE II EXPANDED POLYSTYRENE DENSITY = 20 kg/m³ MINIMUM COMPRESSIVE STRENGTH AT 5% DEFORMATION = 0.095 MPa MAXIMUM COMPRESSIVE STRENGTH AT 5% DEFORMATION = 0.115 MPa
5. CAST CONCRETE CORE WALL AGAINST STYROFOAM. REDUCE POUR RATE AND CONTROL TEMPERATURE OF CONCRETE TO LIMIT CONCRETE PRESSURE TO 48 kPa BASED ON CSA S269.3-M
6. ALL EXPOSED EDGES OF CONCRETE TO BE CHAMFERED 20mm UNLESS NOTED OTHERWISE.
7. CONCRETE FINISHES SHALL BE AS SHOWN ON DRAWINGS AND AS SPECIFIED IN THE SPECIFICATIONS. EXPOSED CONCRETE OTHER THAN WALL FRONT FACE SHALL HAVE A CLASS 3 FINISH UNLESS NOTED OTHERWISE.
8. UNLESS NOTED OTHERWISE CONCRETE COVER TO REINFORCING SHALL BE AS FOLLOWS:
 - FORMED SURFACES: 60mm
 - CAST AGAINST SOIL: 85mm
9. USE 75mm THICK WORKING FLOORS BENEATH ALL CONCRETE CAST ON MATERIAL OTHER THAN ROCK.
10. REINFORCING LAP LENGTHS, U.N.O.

10M	420
15M	520
20M	800
25M	1100
30M	1500
11. STAGGER ALL LAPS U.N.O.
12. ALL TIMBER SHALL BE TREATED IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 904

Rev	Date	Description	Init



Province of British Columbia
MINISTRY OF TRANSPORTATION
CACHE CREEK TO THE ROCKIES PROJECT

ROCK CATCH WALL PLAN - WALL NO. 1
Trans Canada Highway No. 1
YOHO (5 MILE) BRIDGE NO. 1358

Project Manager Cache Creek to the Rockies Project Management Team 200 - 546 Yates Street VICTORIA, B.C. V8W 1K8	Design Consultant BrybilProjects CONSULTANT	PREPARED UNDER THE DIRECTION OF CONSULTANT DATE JAN. 31/02
FILE No. L3-01-CCR	PROJECT No. 79750	CONTRACT No. 090MJ6333
REGION 3	DRAWING No. R3-210-902	

1:3086(02)-00