

PROFILE IMPERIAL QUARRY PORTAL

MINIMUM 25' LATTICE
GIRDERS ON 4' CENTERS WITH
FIBER REINFORCED SHOTCRETE,
ROCK BOLTS AS DIRECTED BY COWIN
SEE SHEET 7 FOR DETAILS

25' PROTECTIVE CANOPY

GROUND CATEGORY 2

TENSIONED ROCK BOLTS INSTALLED PRIOR TO TUNNEL EXCAVATION
15' LONG, #11 BARS, EPOXY COATED OR GALVANIZED, SEE

TUNNEL

NORTH

PORTAL STABILIZATION ACCESS ROAD

EXISTING HIGHWALL TO BE SCALED AND STABILIZED AS DIRECTED BY COWIN

DRAPED WIRE MESH SEE SHEET 8 FOR DETAILS

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- 4" MIN. THICKNESS OF FIBER REINFORCED SHOTCRETE TO 10' MINIMUM ABOVE PORTAL ON ROCK FACE, SEE B 5 7

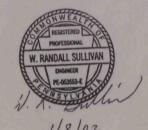
TREE BUFFER -

EXISTING SAFETY BERM TO REMAIN UNCHANGED

ROCK BOLT & SHOTCRETE SUPPORT AS DIRECTED FOR GROUND CATEGORY 1 SUPPORT

PROFILE NAZARETH II PORTAL AND HIGHWALL STABILIZATION

N.T.S.



THIS DESIGN IS BASED ON THE SUBSURFACE CONDITIONS DESCRIBED IN GOLDER ASSOCIATES' REPORT TITLED "GEOTECHNICAL FEASIBILITY REPORT", DATED AUGUST 1998. IF ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED DURING CONSTRUCTION ARE DIFFERENT THAN THOSE DESCRIBED IN THE "GEOTECHNICAL FEASIBILITY REPORT" OR SHOWN ON THE CONSTRUCTION DRAWINGS, GOLDER ASSOCIATES SHALL BE NOTIFIED AND GIVEN THE OPPORTUNITY TO REVIEW, AND IF APPROPRIATE, MODIFY THE DESIGN. LIKEWISE, IF QUESTIONS ARISE WITH RESPECT TO THE INTERPRETATION OF THE DESIGN BY ANY PARTY, GOLDER ASSOCIATES SHALL BE NOTIFIED AND GIVEN THE OPPORTUNITY TO PROVIDE CLARIFICATION.

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REV	DATE	DESCRIPTION	CAD	BY	CHK BY	RVV
PROJEC	T:	ESSROC ITALCEMENTI GROUP CONNECTOR TUNNEL NAZARETH, PENNSYLVANIA				

- MINIMUM 5' OF USED TIRES OR GRANULAR FILL IMPACT PROTECTION SEE SECTION C 58

> - EXCAVATED QUARRY FLOOR GRADE ~320'

- MINIMUM 25' LATTICE GIRDER
IN CANOPY (50/6/8) ON
4' CENTERS AND
FIBER REINFORCED SHOTCRETE
TO COVER LATTICE GIRDERS, SEE

	PROJECT	No.	013-3236	FILE No.:	PA19-135		
	CLIENT PROJ. No.			DRAFTING SUBTITLE: 03			
Golder	DES BY	RV	01/01/99	SCALE:	AS SHOWN		
T COME	CAD BY	BEC	03/29/99				
L Associates	CHK BY	wew	09/08/02	SHEET 5			
Atlanta, Georgia	RVW BY	WRS	1/8/02				