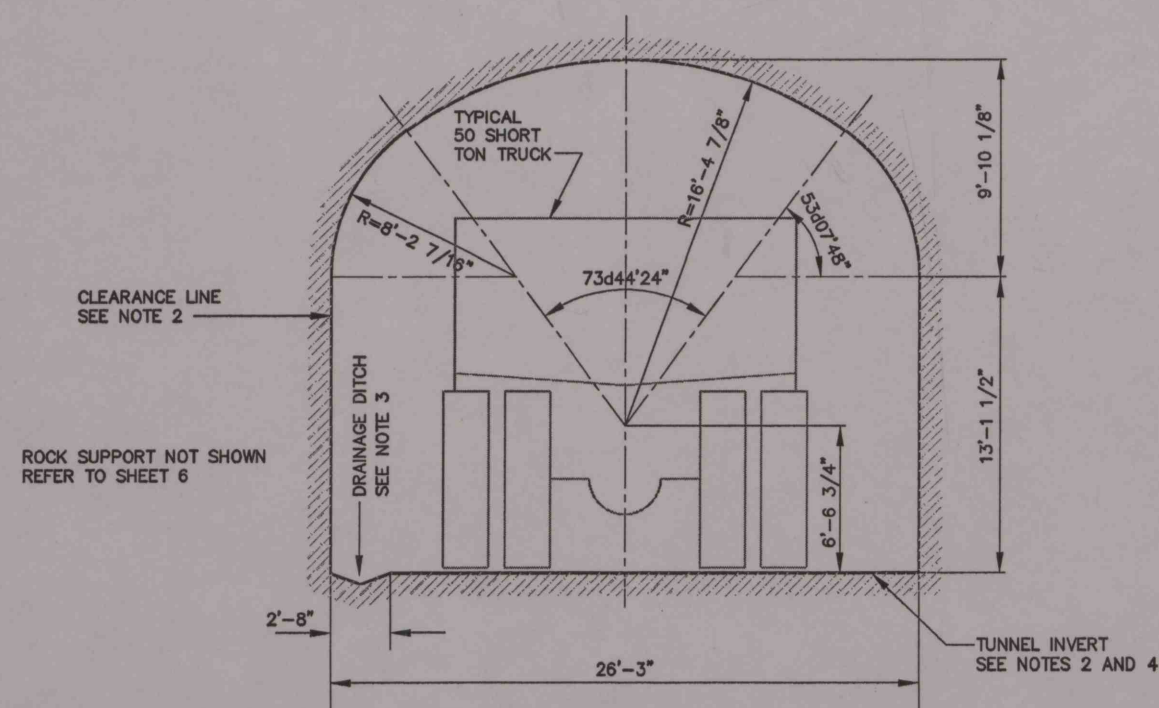


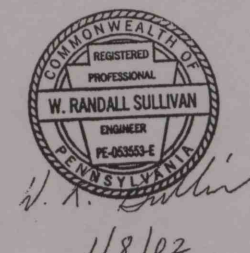
B
3 4
PROFILE ALONG TUNNEL ALIGNMENT



A
4 4
TUNNEL CROSS SECTION A - A

NOTES

- 1.) LAYOUT OF FINAL SLOPE ABOVE IMPERIAL AND NAZARETH II TUNNEL PORTALS TO BE DETERMINED BY ESSROC TO COMPLY WITH PADOT AND PADEP REQUIREMENTS.
- 2.) CLEARANCE LINE IS THE LINE WITHIN WHICH NO ROCK, SHOTCRETE, GROUND SUPPORT ELEMENTS OR TUNNEL INVERT TREATMENT MAY PROTRUDE.
- 3.) THE FINAL LOCATION OF THE DRAINAGE DITCH WILL BE DETERMINED IN THE FIELD BY ESSROC.
- 4.) FINAL INVERT TREATMENT TO BE DETERMINED IN THE FIELD BY ESSROC.



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.

REV	DATE	DESCRIPTION	CAD BY	CHK BY	RVW BY
PROJECT: ESSROC ITALCEMENTI GROUP CONNECTOR TUNNEL NAZARETH, PENNSYLVANIA					
SHEET TITLE: TUNNEL PROFILE AND SECTION					
PROJECT No. 013-3236		FILE No.: PA19-140		DRAFTING SUBTITLE: 03	
CLIENT PROJ. No.		DESIGN DATE: 3/30/99		SCALE: AS SHOWN	
DES BY: RV		CAD BY: BEC		CHK BY: WRS	
RVW BY: WRS		DATE: 1/8/02			

