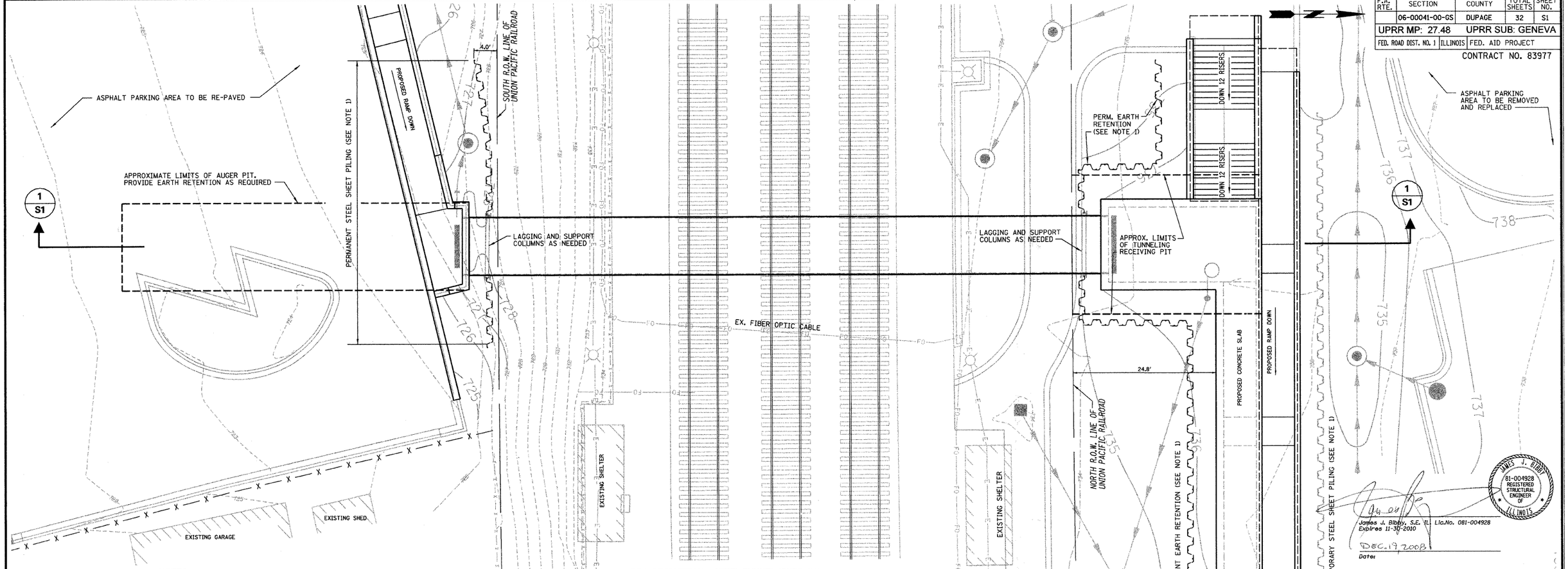
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00041-00-GS	DUPAGE	32	S1
UPRR MP: 27.48		UPRR SUB: GENEVA		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83977



NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DESIGN AND CONSTRUCT ALL TEMPORARY AND PERMANENT STEEL SHEET PILING TO COMPLY WITH AREMA 8.28.1.3. THE CONTRACTOR SHALL FURNISH CALCULATIONS AND DESIGN FILES PREPARED BY A LICENSED STRUCURAL ENGINEER FOR APPROVAL PRIOR TO COMMENCING WITH EARTH RETENTION INSTALLATION.

   ALL TEMPORARY EARTH RETENTION SHALL BE REMOVED AFTER ALL STRUCTURAL CONSTRUCTION IS IN PLACE (OR AS DIRECTED BY THE ENGINEER)

   ALL PERMANENT EARTH RETENTION SHALL TO BE LOWERED BY CUTTING OFF AND DISPOSING EARTH RETENTION MATERIAL TO A MIN. OF 1.5 FT BELOW FINISHED GRADE (OR AS DIRECTED BY THE ENGINEER) AFTER ALL CONSTRUCTION IS IN PLACE AND PRIOR TO PLACEMENT OF PAVING MATERIALS OR TOPSOIL.

2. THE INSIDE OF THE COMPLETED STEEL TUNNEL CASING SHALL BE GROUND SMOOTH AND FREE OF ANY SHARP EDGES AND / OR PROTUSIONS. THE FINAL INTERIOR SURFACE OF THE STEEL TUNNEL CASING AND THE CONCRETE FLOOR SHALL BE BE FINISHED WITH AN EPOXY PROTECTIVE COATING (TNEMEC OR APPROV. EQUAL) ACCORDING TO THE SPECIFICATIONS.

3. ALL CONCRETE SURFACES THAT WILL BE IN CONTACT WITH EARTH BACKFILL AND / OR PAVEMENT SHALL BE PROVIDED WITH WATERPROOF TAR EPOXY PAINT COATING ON EXTERIOR OF CONCRETE WALLS TO A HEIGHT OF 6 INCHES BELOW THE FINISHED GRADE ELEVATION.

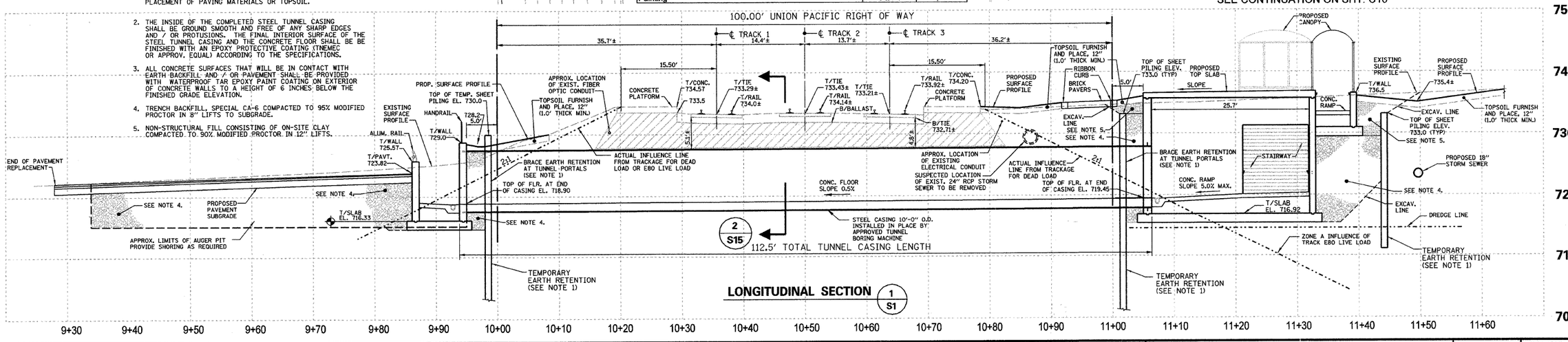
4. TRENCH BACKFILL, SPECIAL CA-6 COMPACTED TO 95% MODIFIED PROCTOR IN 8" LIFTS TO SUBGRADE.

5. NON-STRUCTURAL FILL CONSISTING OF ON-SITE CLAY COMPACTED TO 90% MODIFIED PROCTOR IN 12" LIFTS.

BILL OF MATERIAL - STEEL TUNNEL (SHTS. S1)

DESCRIPTION	UNIT	QUANTITY
Structure Excavation (Special)	CU YD	155
Steel Casing Pipe, Special, Tunneled	FOOT	113
Concrete Structure	CU YD	26
Reinforcement Bars	POUND	1,035
Trench Backfill, Special	CU YD	155
Pedestrian Railing	FOOT	226
Painting	SQ FT	3,400

SEE CONTINUATION ON SHT. C10



LONGITUDINAL SECTION 1 S1

JAMES J. BIBBY 081-004928 REGISTERED STRUCTURAL ENGINEER OF ILLINOIS

James J. Bibby, S.E. IL Lic.No. 081-004928
Expires 11-30-2010

DEC. 19 2008
Date:

I certify that to the best of knowledge, information and belief, this ramp/underpass design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.

LEGEND

T/ = TOP OF

B/ = BOTTOM OF

SOIL STABILIZATION OR REMEDIATION OF SOILS REQUIRED (SEE GEOTECHNICAL REPORT PN# 20603.040 PREPARED BY PATRICK ENGINEERING INC.)

This drawing shall not be used nor reproduced either wholly or in part except when authorized by the engineer- Rempe-Sharpe

ACTION	NAME
Design	J.B.
Drawn	D.B.E.
Checked	E.J. / S.S.

No.	Date	Revisions	By

REMPE-SHARPE CONSULTING ENGINEERS
IL P.D.F. LICENSE NO. 184-000895
324 WEST STATE STREET - GENEVA, ILLINOIS 60134
Telephone (630) 232-0827 - Fax (630) 232-1629

PROJECT	SHEET TITLE	SCALE	PROJECT NO.	SHEET
PEDESTRIAN UNDERPASS AT METRA STATION WINFIELD, ILLINOIS	TUNNEL GENERAL PLAN & OVERALL SECTION	1/8" = 1'-0"	WF-451	No. S1
			DATE: DEC. 19, 2008	Of S16

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