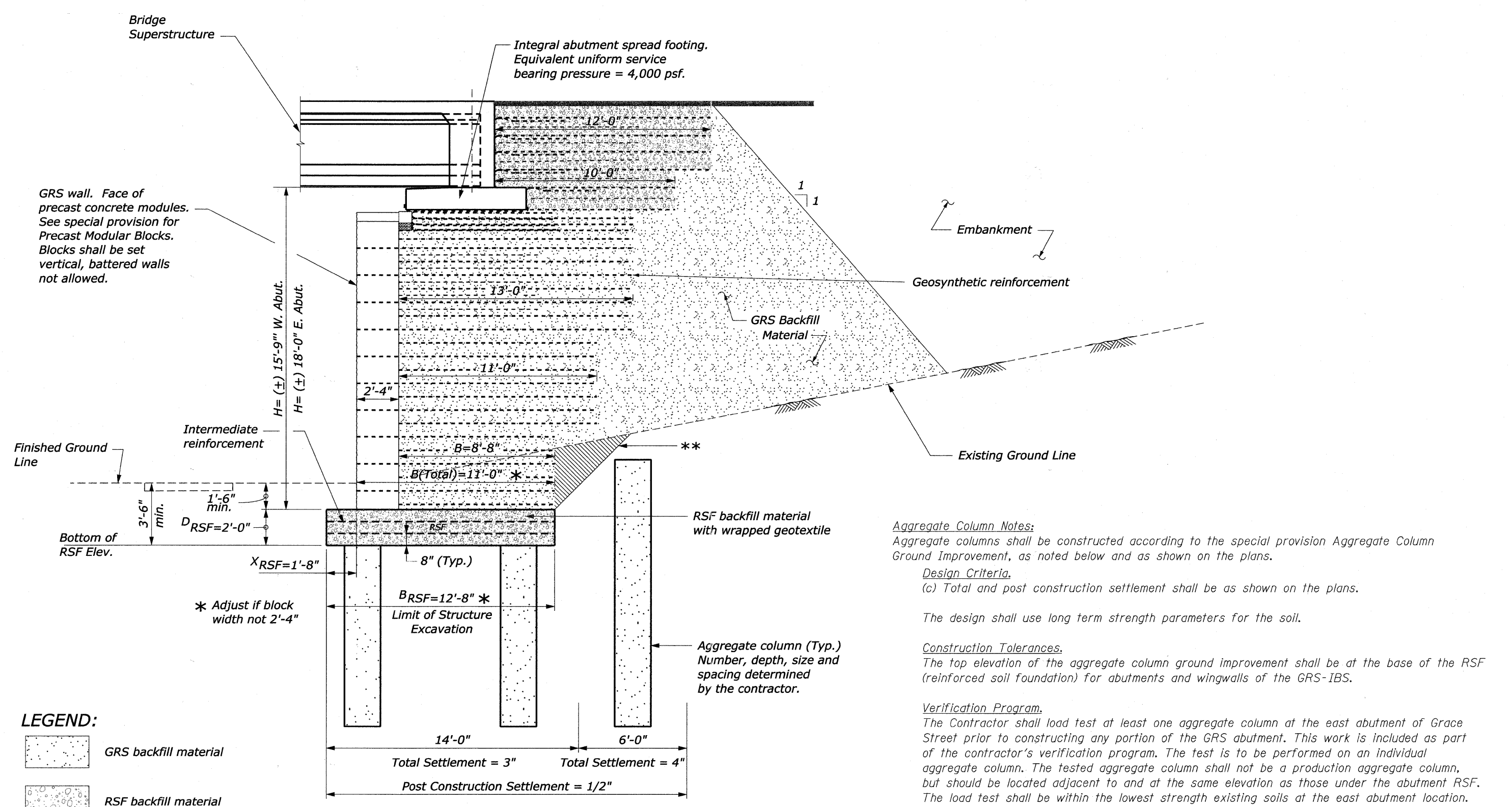


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SECTION A-A
Scale: $\frac{3}{16}'' = 1'-0''$

GRS wall. Face of precast concrete modules. See special provision for Precast Modular Blocks. Blocks shall be set vertical, battered walls not allowed.

Integral abutment spread footing. Equivalent uniform service bearing pressure = 4,000 psf.

Embankment

Geosynthetic reinforcement

GRS Backfill Material

Existing Ground Line

RSF backfill material with wrapped geotextile

Aggregate column (Typ.) Number, depth, size and spacing determined by the contractor.

Aggregate Column Notes:
Aggregate columns shall be constructed according to the special provision Aggregate Column Ground Improvement, as noted below and as shown on the plans.

Design Criteria.
(c) Total and post construction settlement shall be as shown on the plans.

The design shall use long term strength parameters for the soil.

Construction Tolerances.
The top elevation of the aggregate column ground improvement shall be at the base of the RSF (reinforced soil foundation) for abutments and wingwalls of the GRS-IBS.

Verification Program.
The Contractor shall load test at least one aggregate column at the east abutment of Grace Street prior to constructing any portion of the GRS abutment. This work is included as part of the contractor's verification program. The test is to be performed on an individual aggregate column. The tested aggregate column shall not be a production aggregate column, but should be located adjacent to and at the same elevation as those under the abutment RSF. The load test shall be within the lowest strength existing soils at the east abutment location. The aggregate column shall be loaded to 150% of the design stress shown in the approved design computations for the abutment location. The design computations shall clearly show the calculated design stress, the location for the load test, and the rational used to determine the location.

LEGEND:

- GRS backfill material
- RSF backfill material

** Overexcavation beyond the limits of Structure excavation. This area not measured for payment. Backfill overexcavation with same material as used for reinforcement fill.

	USER NAME = gonzalo	DESIGNED <i>JJT</i>	REVISED -	STATE OF ILLINOIS GREAT WESTERN TRAIL GRACE STREET	GRS-IBS SECTION A-A STRUCTURE NUMBER 022-3120	F.A. RTE.	SECTION 06-00151-00-BR	COUNTY	TOTAL SHEETS 201	SHEET NO. 70
	PLOT SCALE =	CHECKED <i>SRT</i>	REVISED -			SHEET NO. 18 OF 25 SHEETS			CONTRACT NO. 63568	
	PLOT DATE = 7/26/2011	DRAWN <i>GM</i>	REVISED -	ILLINOIS FED. AID PROJECT						
		CHECKED <i>SRT</i>	REVISED -							