

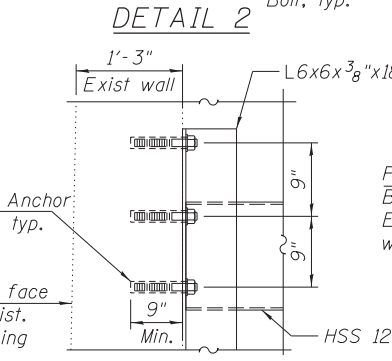
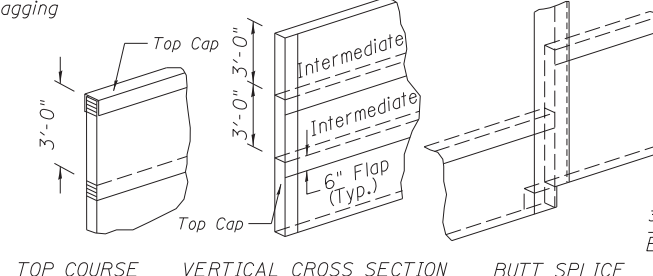
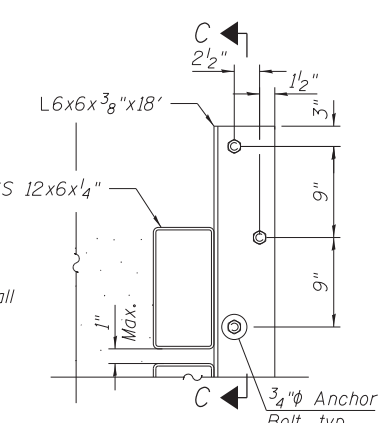
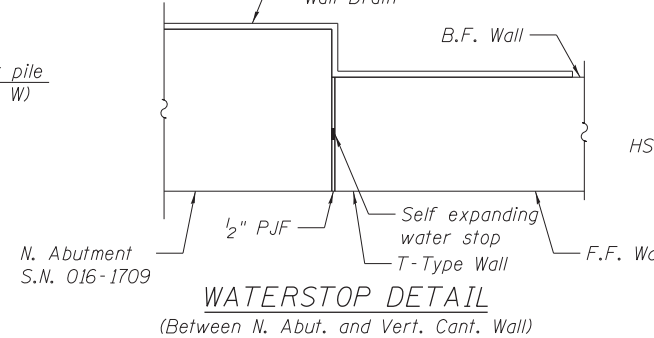
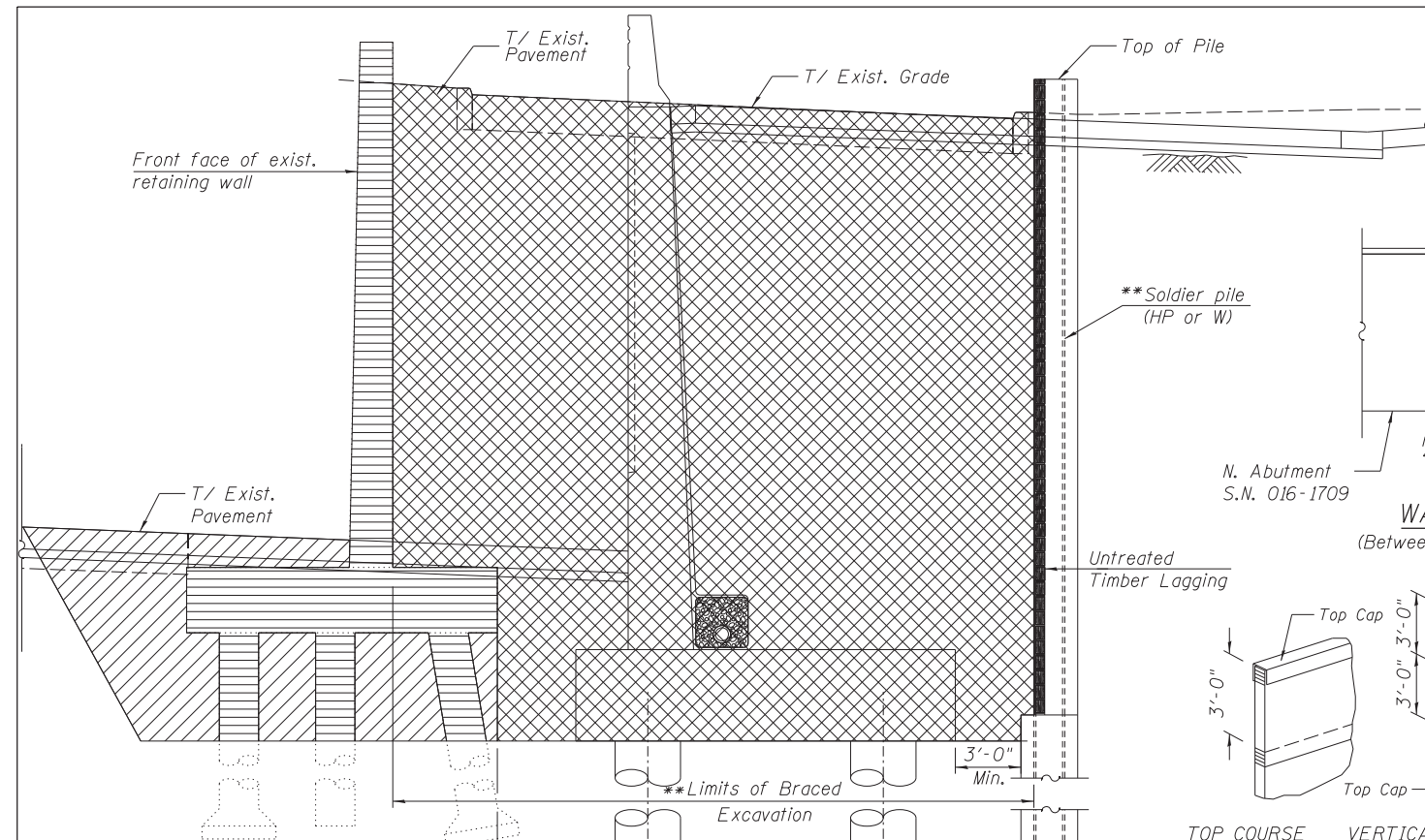
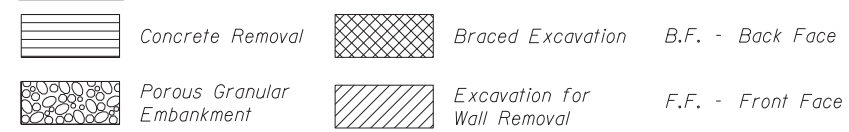
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	CU YD	266
Furnishing and Erecting Structural Steel	POUND	6,340
Anchor Bolts, 3/4"	EACH	25
Geocomposite Wall Drain	SQ YD	56
Braced Excavation	CU YD	381
Pipe Underdrains for Structures 6"	FOOT	47

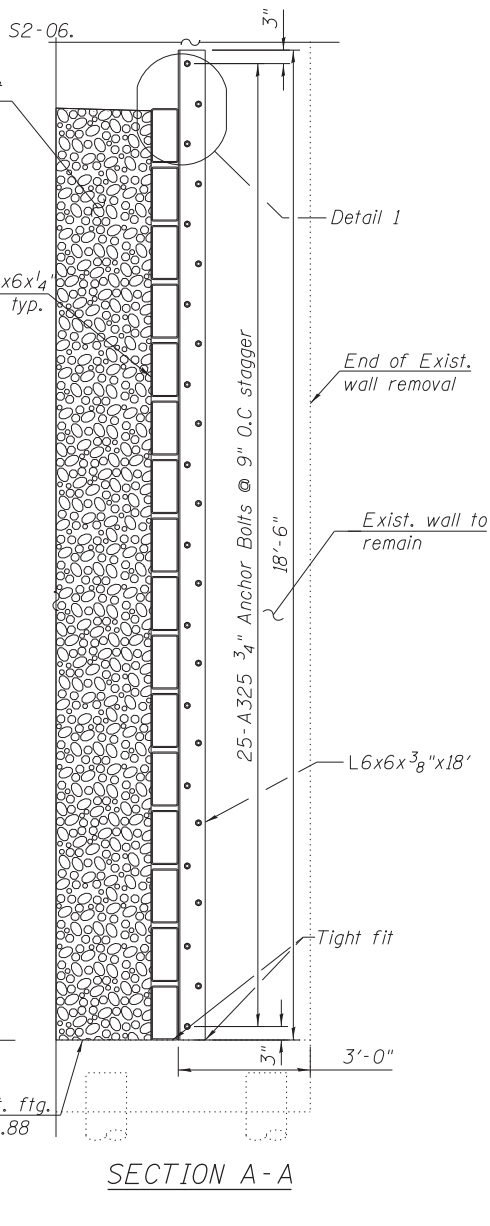
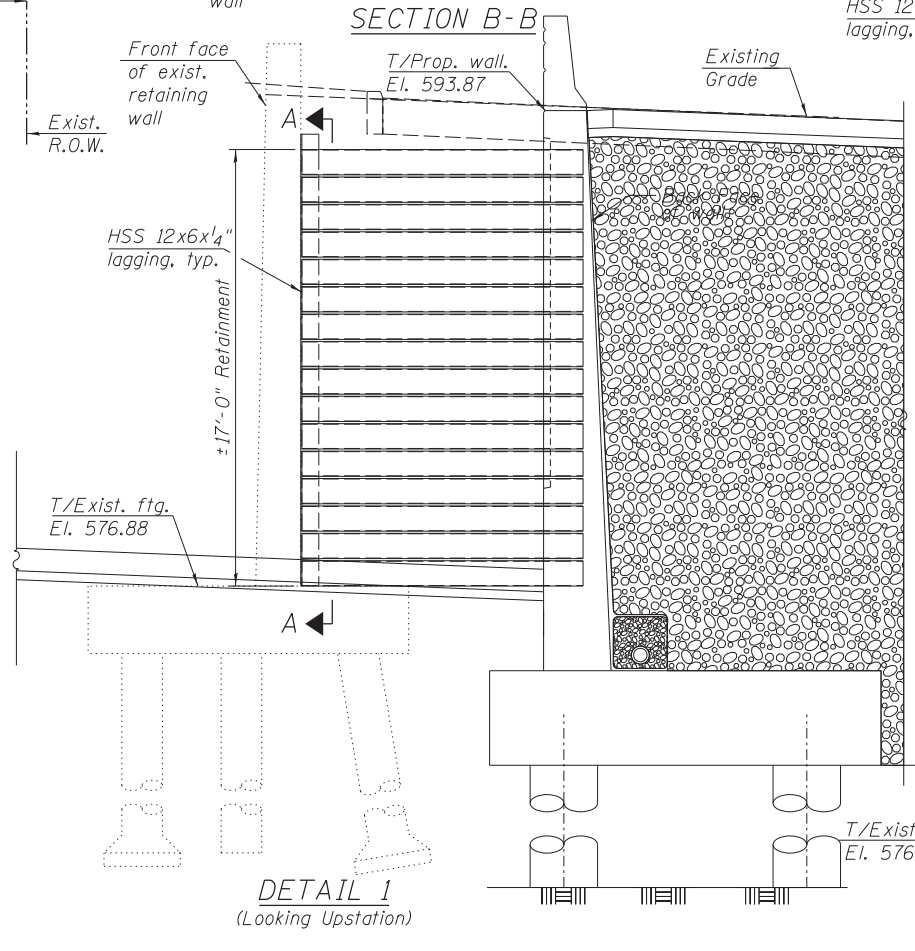
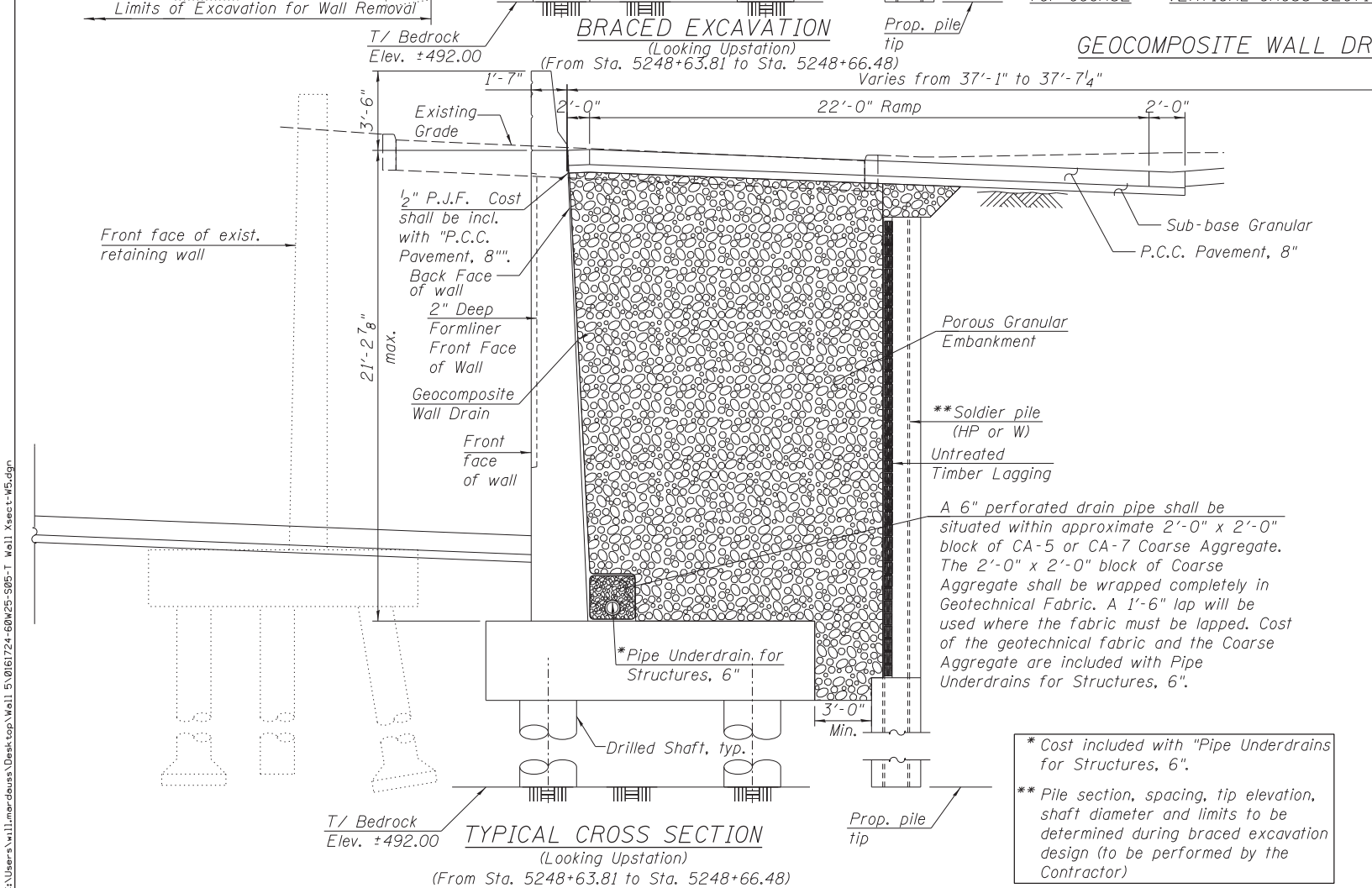
NOTES:

- The Contractor shall design the braced excavation consisting of drilled soldier piles and structural steel sections (struts and walers). The braced excavation shall be designed to meet the City of Chicago Office of Underground Coordination (OUC) Building Requirements. The design shall be performed by a Structural Engineer, licensed and registered in the State of Illinois, and shall be approved by the Engineer.
- For location, layout and details, see the water main design plan sheets.
- The proposed retaining wall foundation locations may require adjustment based upon the field location of the water main which should be determined by the Engineer.
- The proposed riser shaft location shall be adjusted as necessary to align with the water main location.
- HSS 12x6x1/4" to serve as lagging between existing wall & proposed wall. Cost of the steel lagging, as well as work necessary to place the lagging, shall be included with "Furnishing and Erecting Structural Steel".
- For Notes, see Sheet S2-06.

LEGEND



Porous Granular Embankment Beyond Limits of Structural Excavation, Cost Included with "Structure Excavation"



* Cost included with "Pipe Underdrains for Structures, 6".
 ** Pile section, spacing, tip elevation, shaft diameter and limits to be determined during braced excavation design (to be performed by the Contractor)

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