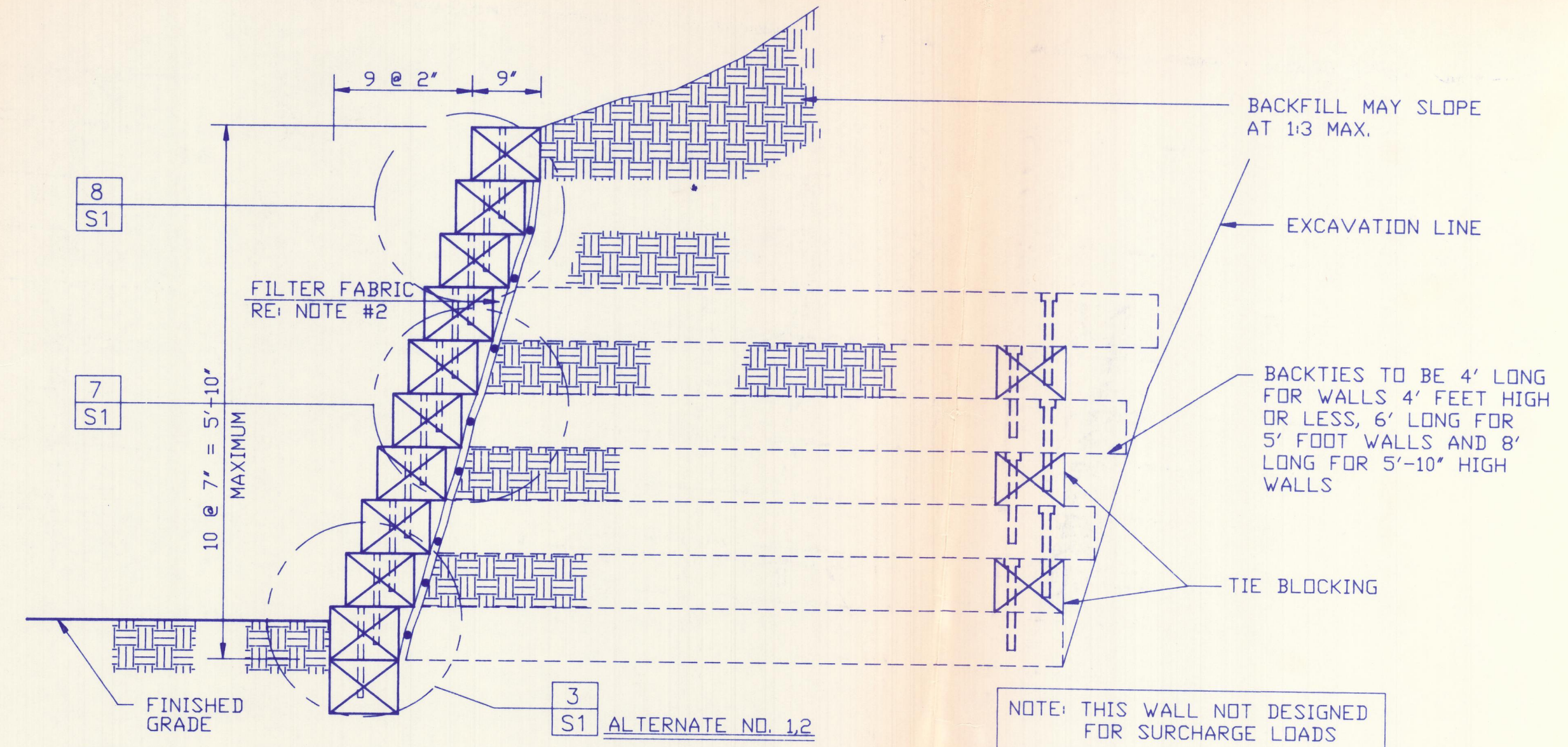
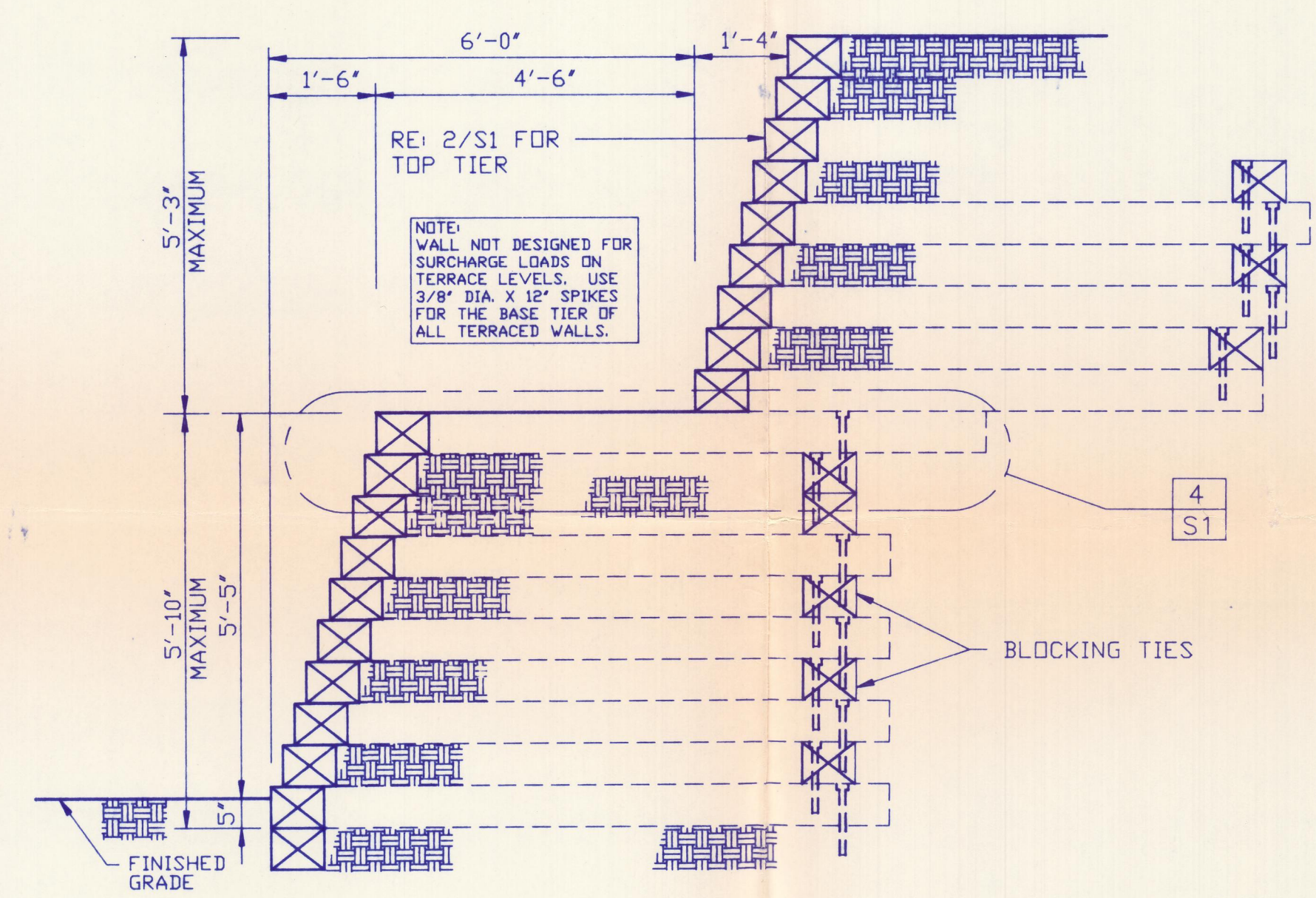


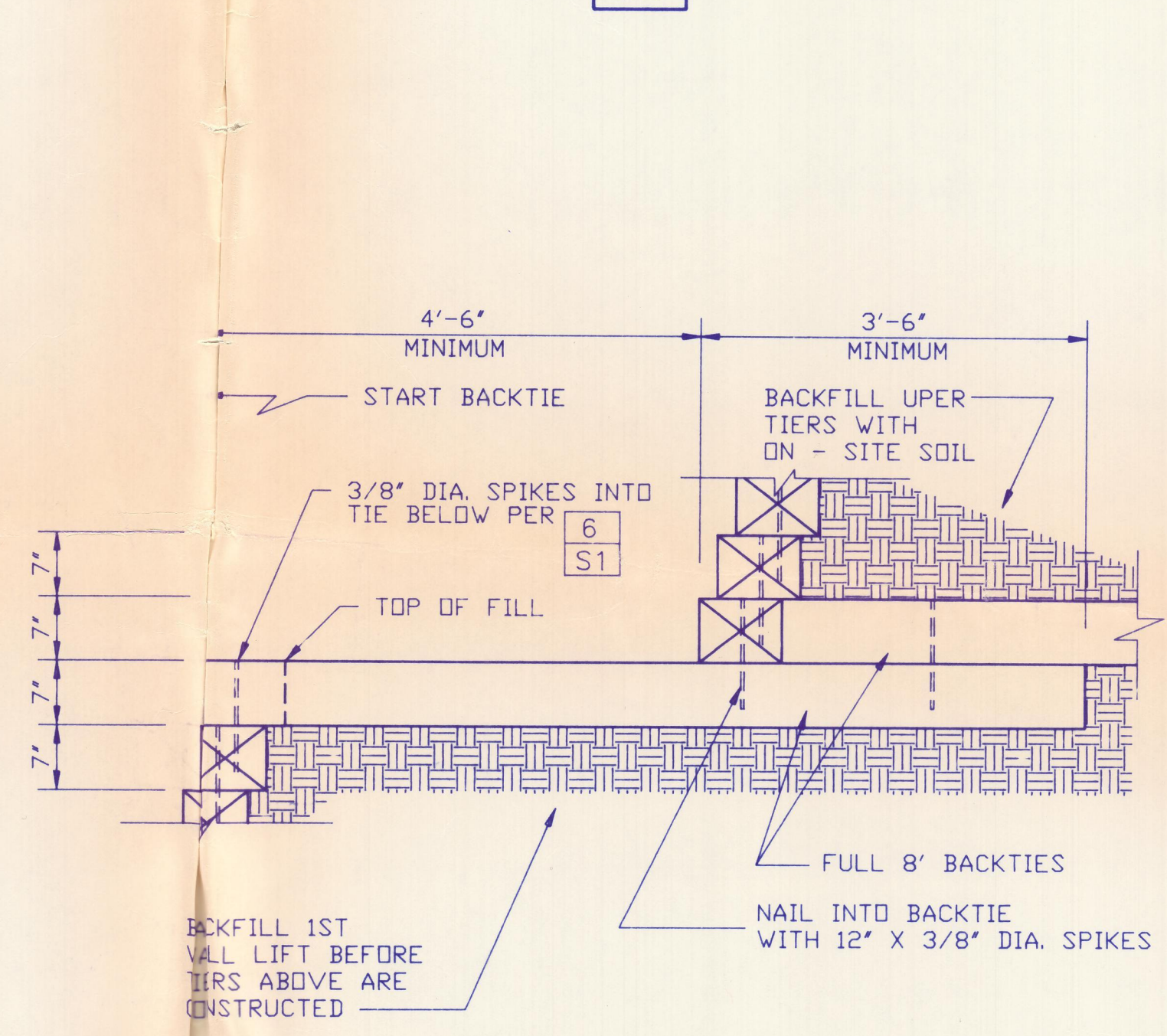
**2**  
S1 FRONT VIEW - TYPICAL CRIBBED WALL  $3/4" = 1'-0"$



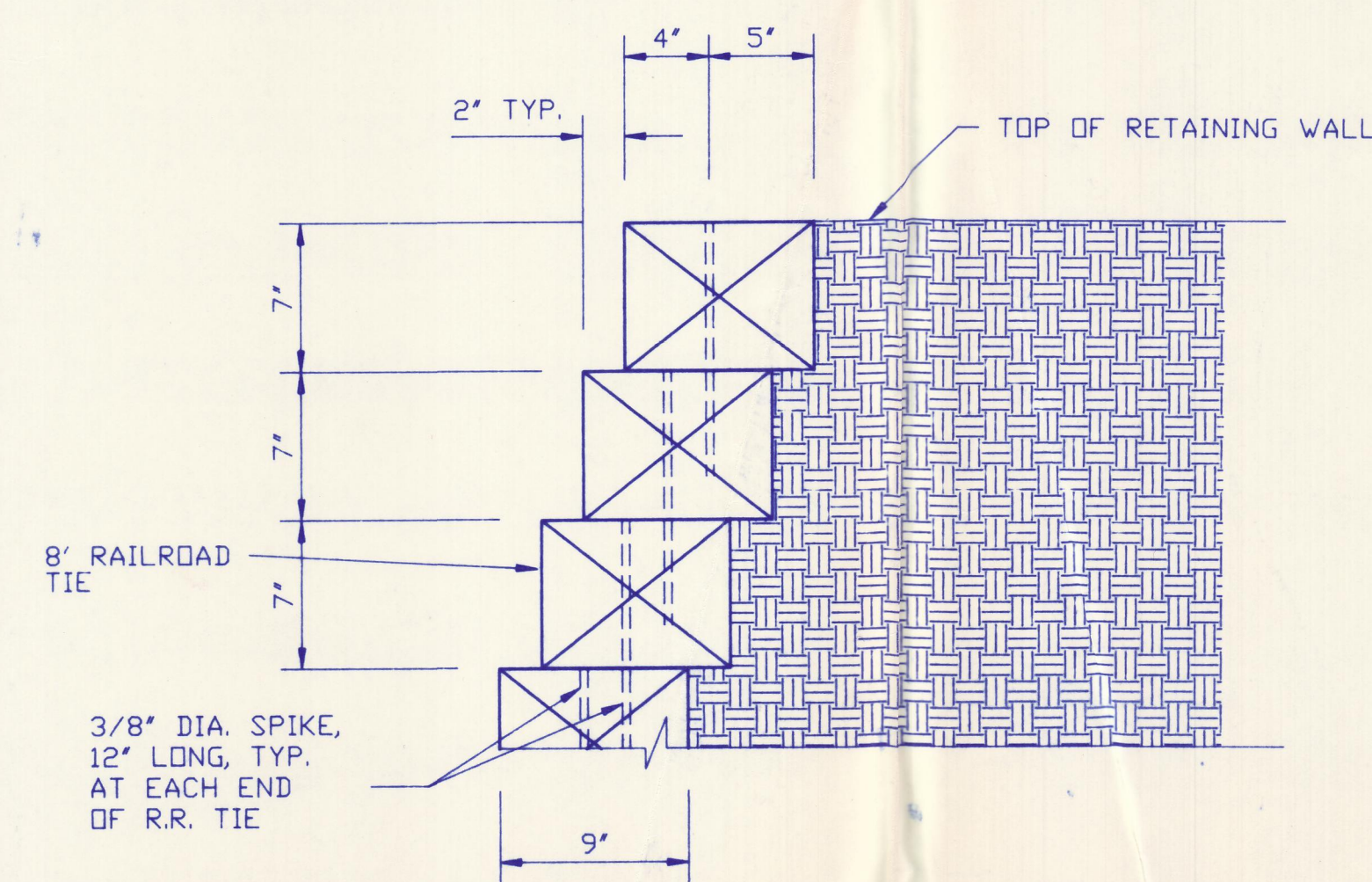
**1**  
S1 SECTION - TYPICAL CRIBBED WALL SECTION  $3/4" = 1'-0"$



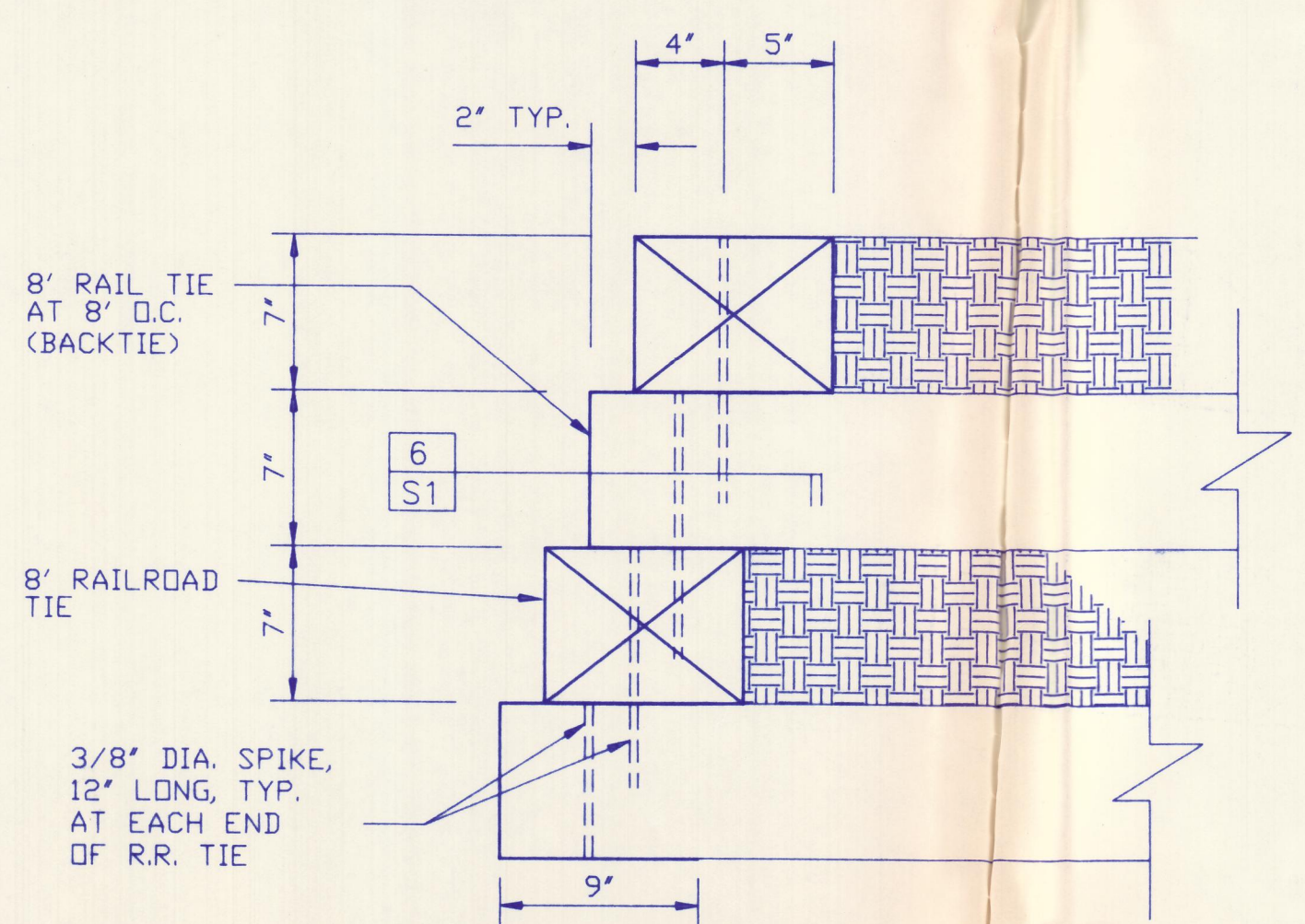
**5**  
S1 TERRACING SECTION  $1/2" = 1'-0"$



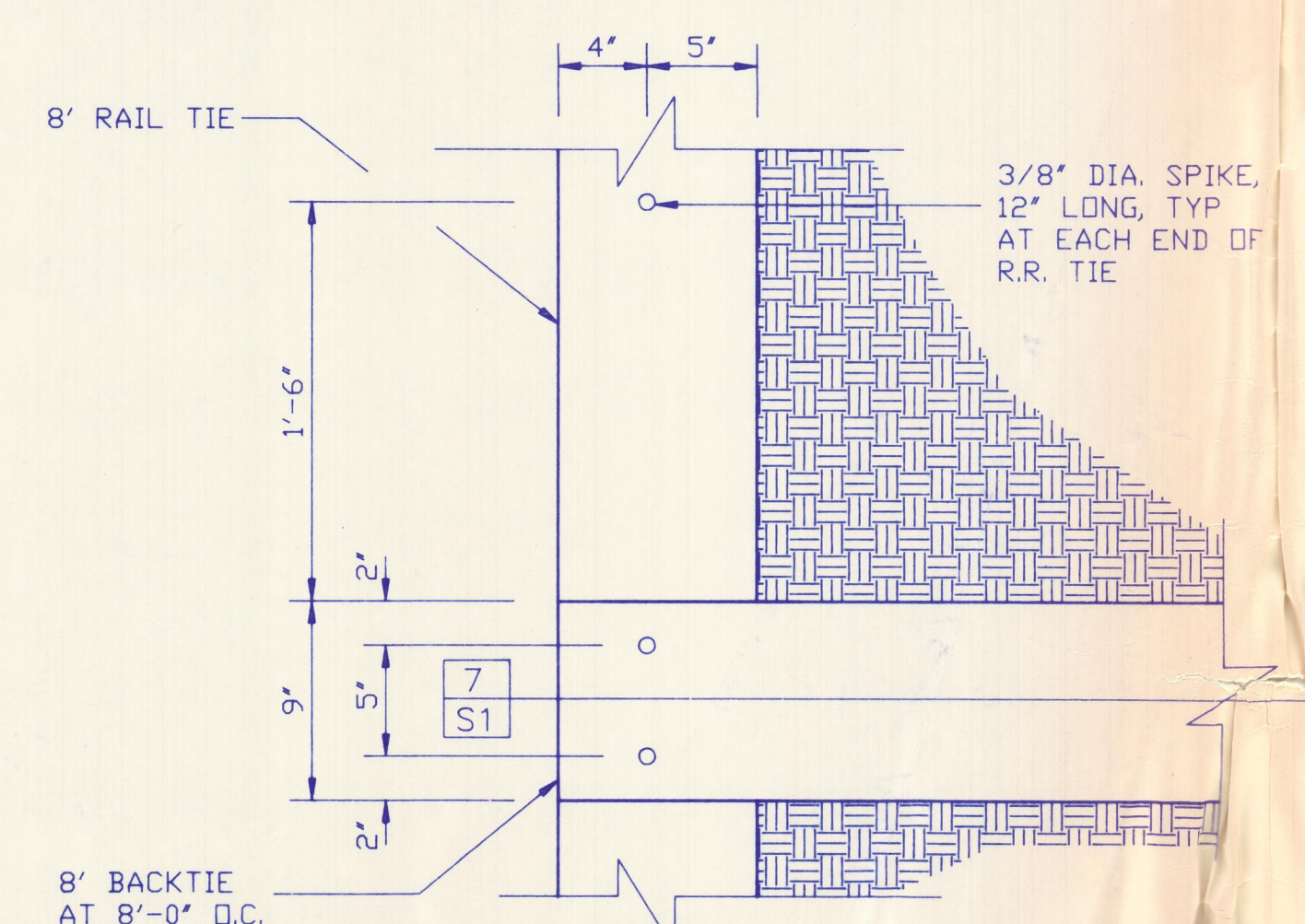
**4**  
S1 TERRACING TIE DETAIL  $3/4" = 1'-0"$



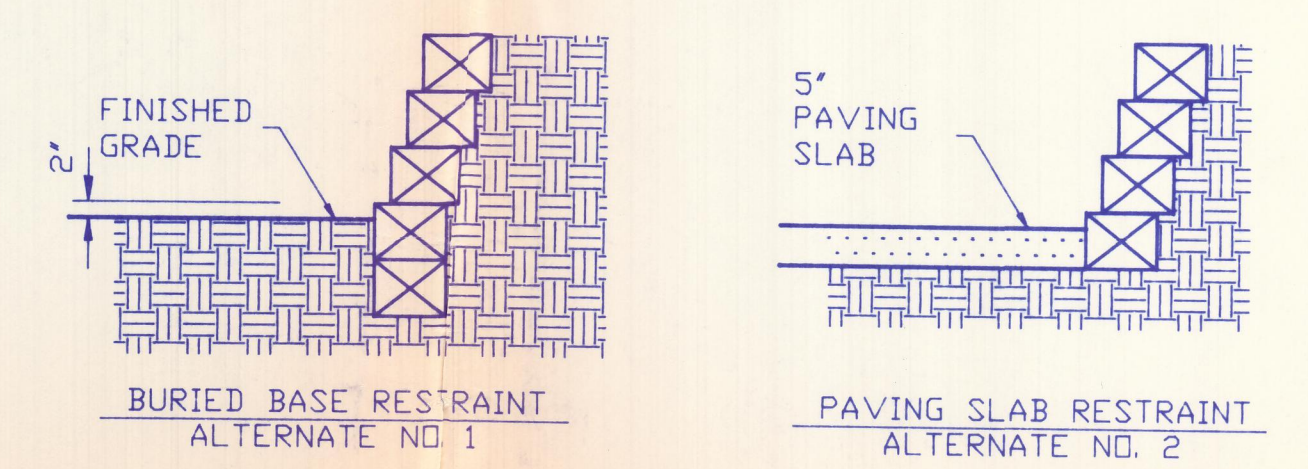
**8**  
S1 NAILING SECTION, TYP.  $1 1/2" = 1'-0"$



**7**  
S1 NAILING SECTION AT BACKTIE  $1 1/2" = 1'-0"$



**6**  
S1 NAILING PLAN  $1 1/2" = 1'-0"$



**3**  
S1 TYP. SECTION AT BASE OF WALL  $1/2" = 1'-0"$

SOIL REPORT  
FIRM: NONE PROVIDED  
REPORT NO. DATED:  
ALLOWABLE BEARING CAPACITY 2000 psf (ASSUMED)

- NOTES
- 12" SPIKES SHOWN ON DRAWINGS ONLY REQUIRED FOR WALLS 4'-0" OR GREATER IN HEIGHT, ALL LOW WALLS MAY BE TIE NAIL CONNECTED.
  - FILTER FABRIC - REQUIRED - "MIRAFI" OR EQUAL
  - BASE RESTRAINT - ALTERNATE NO. 1 AT - WHERE REQUIRED ALTERNATE NO. 2 AT - WHERE REQUIRED
  - THE TERM "HAND COMPACTION" ON OUR DRAWING INDICATES A PROCEDURE IN WHICH THE BACKFILL SOIL IS INITIALLY DUMPED IN BEHIND THE WALL, AT LOCATIONS BETWEEN DEAD-MEN, WITH A FRONT-LOADER. THE SOIL IS THEN WORKED IN AROUND THE DEAD-MEN BY HAND, USING SHOVELS SO THAT VOID AREAS DO NOT OCCUR. IN THE PROCESS, THE SOIL IS COMPACTED UNDER FOOT BY THE WORKMEN. THE USE OF VERY WET OR VERY DRY BACKFILL SOIL SHOULD BE AVOIDED. THE COMPACTION OF THIS BACKFILL AROUND DEAD-MEN IMPROVES THE PULL-OUT RESISTANCE OF THESE TIES. IN OTHER AREAS THE BACKFILL NEED NOT BE HAND COMPACTED BUT SHOULD BE PLACED IN A MANNER THAT KEEPS VOID AREAS TO A MINIMUM THEREBY REDUCING THE AMOUNT OF BACKFILL SETTLEMENT AT FINISHED GRADE.

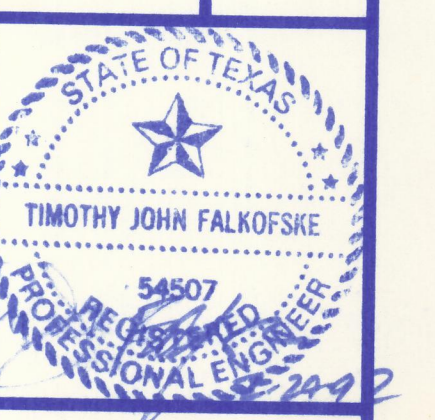
NO.	DATE	BY	REVISION
1	2-24-82	TJF	
2	2-24-82	BH	
3	2-24-82	TJF	

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RAIL ROAD TIE RETAINING WALLS  
LOTS 10,11,12,13,14,15,16,17,18,19 AND 20, BLOCK B  
WATERVIEW ESTATES  
ADDISON, TEXAS

METROPLEX RETAINING WALLS, INC.  
BEDFORD, TEXAS



JOB NO. 31.92  
S1