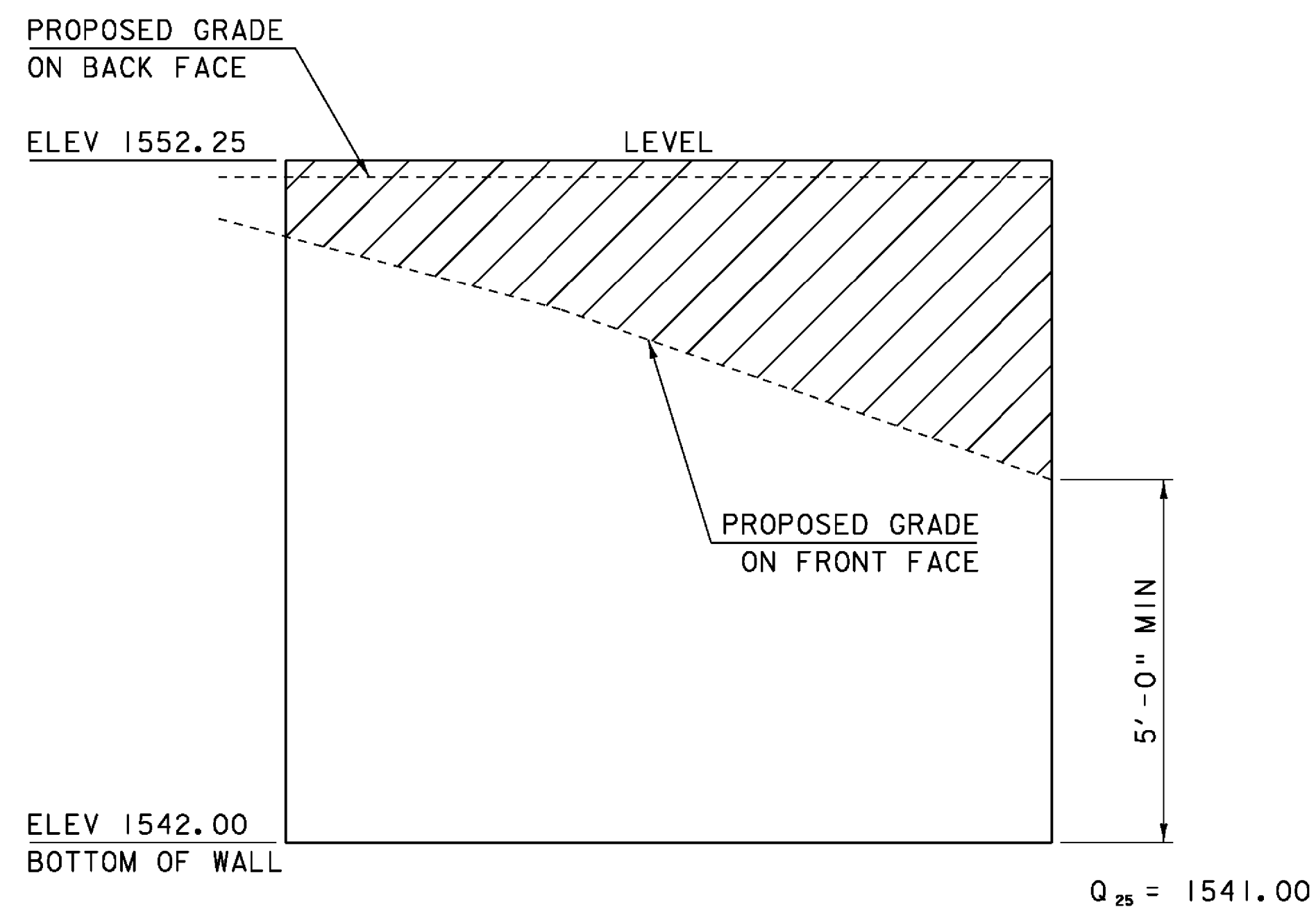


WINGWALL 2A PLAN VIEW

SCALE: 1/2" = 1'-0"



WINGWALL 2A ELEVATION VIEW

SCALE: 1/2" = 1'-0"

 PAY LIMITS OF ITEM 900.670 "SPECIAL PROVISION (CONCRETE RETAINING WALL)"

NOTES:

1. WINGWALL 2A AND WINGWALL 3A SHALL BE SELECTED FROM THE LIST OF WALLS ON THE APPROVED RETAINING WALL DOCUMENT AVAILABLE FROM VAOT MATERIALS & RESEARCH WEB SITE.
2. THE WALL SHALL BE PAID FOR UNDER ITEM 900.670 "SPECIAL PROVISION (CONCRETE RETAINING WALL)".
3. THE BOTTOM OF WALL SHALL BE A MINIMUM OF 5 FEET BELOW THE FINISH GRADE IN THE FRONT OF WALL.
4. THE WALL SHALL BE DESIGNED IN ACCORDANCE WITH 2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND ITS LATEST REVISIONS. THE DESIGN SHALL ALSO CONSIDER THE EFFECT OF ALL LOADS INCLUDING BUT NOT LIMITED TO LOADS FROM THE GUARDRAIL, EARTH SURCHARGE, AND HYDROSTATIC PRESSURE.
5. THE TYPE OF WALL SELECTED SHALL BE COMPATIBLE WITH THE GUARD RAIL SYSTEM SHOWN ON THE PLANS AND SHALL CONSIDER THE EFFECT OF 8 FOOT GUARD RAIL POSTS ON ANY REINFORCING OR ANCHORING SYSTEM.
6. THE EXPOSED PORTIONS OF THE WALL SHALL BE REASONABLY AESTHETICALLY PLEASING (I.E. NO EXPOSED SHEET PILES).
7. THE FOLLOWING SOIL PROPERTIES SHALL BE USED IN THE DESIGN OF WINGWALL 2A AND WINGWALL 3A:

SELECT BACKFILL (GRANULAR BACKFILL FOR STRUCTURES)

UNIT WEIGHT: 140 PCF
 FRICTION ANGLE: 34 DEGREES
 COHESION, c: 0

RETAINED SOIL

UNIT WEIGHT: 130 PCF
 FRICTION ANGLE: 32 DEGREES
 COHESION, c: 0

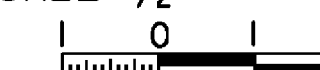
FOUNDATION SOIL

UNIT WEIGHT: 115 PCF
 FRICTION ANGLE: 30 DEGREES
 COHESION, c: 0
 NOMINAL BEARING RESISTANCE: 12 KSF

8. THE CONNECTION BETWEEN THE WINGWALL AND THE ABUTMENT STEM SHALL BE DESIGNED AND SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL. ALL COMPONENTS SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 900.670.

9. SEE WINGWALL 3A DETAILS SHEET FOR TYPICAL SECTION.

SCALE 1/2" = 1'-0"



PROJECT NAME: WARDBORO	PLOT DATE: 17-NOV-2009
PROJECT NUMBER: BHF 0114(5)	DRAWN BY: E.Charbonneau
FILE NAME: 05J006/Str/s05J006-WW2A	CHECKED BY: R.S.YOUNG
PROJECT LEADER: C.P.WILLIAMS	SHEET 23 OF 33
DESIGNED BY: E.Charbonneau	
WINGWALL 2A DETAILS	