

2" CLR.

2 "

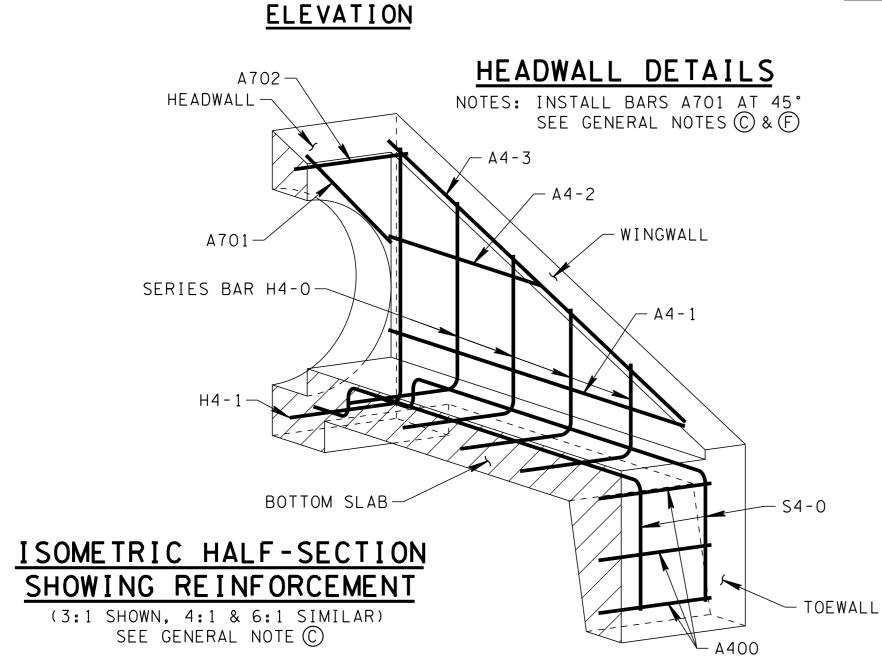
PARTIAL VIEW A-A

IN HW)

— Д4-1

— S4-0

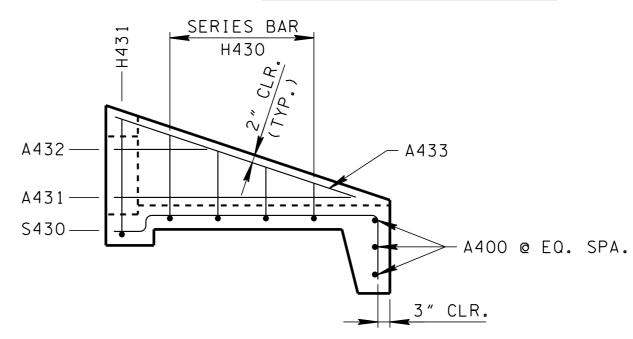
F----



(4) S4-0 BARS @ EQ. SPA.

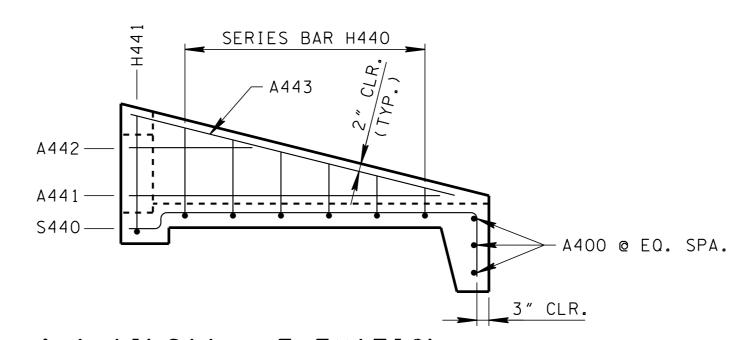
6:1 4:1 3:1 ┌(4) S4-0 @ EQ. SPA. H4-1-A400 \ A400 \ A400 — 1'-0" (TYP.) SERIES BAR H430 SERIES BAR H440 SERIES BAR H460

BOTTOM SLAB PLAN



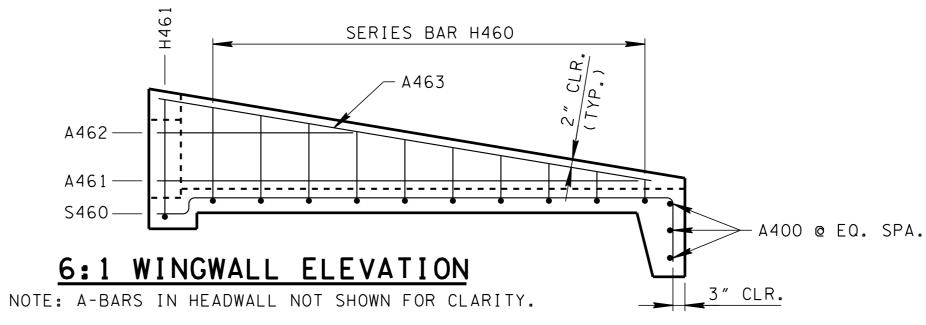
3:1 WINGWALL ELEVATION

NOTE: A-BARS IN HEADWALL NOT SHOWN FOR CLARITY.



4:1 WINGWALL ELEVATION

NOTE: A-BARS IN HEADWALL NOT SHOWN FOR CLARITY.



DIMENSIONS AND QUANTITIES FOR ONE ENDWALL 15" PIPE **ESTIMATED QUANTITIES** CONCRETE ENDWALL DIMENSIONS SLOPE CLASS "A" STEEL BAR CONC. CU. YD REINF. LB. 6' - 3 %" 0.72 3:1 68 2' - 11" 8' - 0'' 8' - 3" 0.89 85 2' - 8" 4:1 11' - 3 %" 11' - 2" 117 6:1 1.21

GENERAL NOTES

- (A) DRAWING TO BE USED FOR ALL CAST-IN-PLACE AND ALL PRECAST 15" CONCRETE ENDWALLS (TYPE "U") FOR CROSS DRAINS ONLY. "U" ENDWALL TO BE PLACED AT 90° SKEW TO CENTERLINE. SEE STD. DWG. D-PE-99 FOR SKEWED CONNECTION DETAIL WHEN CROSS DRAIN IS NOT PERPENDICULAR TO CENTERLINE. CAST-IN-PLACE CONCRETE ENDWALL SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS, SECTION 611 AND/OR SPECIAL PROVISIONS.
- SEE STD. DWG. D-PE-15B FOR BILL OF STEEL & PRECAST NOTES. "-" IN BAR DESIGNATION REPRESENTS 3, 4 OR 6 FOR 3:1, 4:1
- © OR 6:1 SLOPES, RESPECTIVELY.
- SPLICING OF REINFORCEMENT IS ACCEPTABLE PROVIDED THAT A (D) MINIMUM 21" SPLICE LENGTH IS USED.
- TOEWALL BACK SLOPE MAY BE CONSTRUCTED VARIABLE FROM E VERTICAL UP TO 15°.
- OPTIONAL STEPPED HOLE IS ALLOWED PROVIDED THE AMOUNT OF (F) COVER BETWEEN THE PIPE OPENING AND BARS A701 AND A702 IS THE SAME OR GREATER THAN SHOWN ON THIS DRAWING.
- (G) PAYMENT WILL BE MADE UNDER:

611-07.51 15IN ENDWALL (CROSS DRAIN) 3:1 EACH 15IN ENDWALL (CROSS DRAIN) 4:1 EACH 611-07.53 15IN ENDWALL (CROSS DRAIN) 6:1 EACH

- (H) THE CONTRACTOR MAY ELECT TO SUBSTITUTE AN APPROVED ALTERNATIVE DESIGN.
- I DIMENSIONAL AND REINFORCING TOLERANCES WILL BE AS SHOWN IN STANDARD OPERATING PROCEDURE (SOP) 5-3.

☐ MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

15" CONCRETE ENDWALL CROSS DRAIN

(FOR 3:1, 4:1 & 6:1 SLOPES) D-PE-15A

NOT TO SCALE 3-01-12