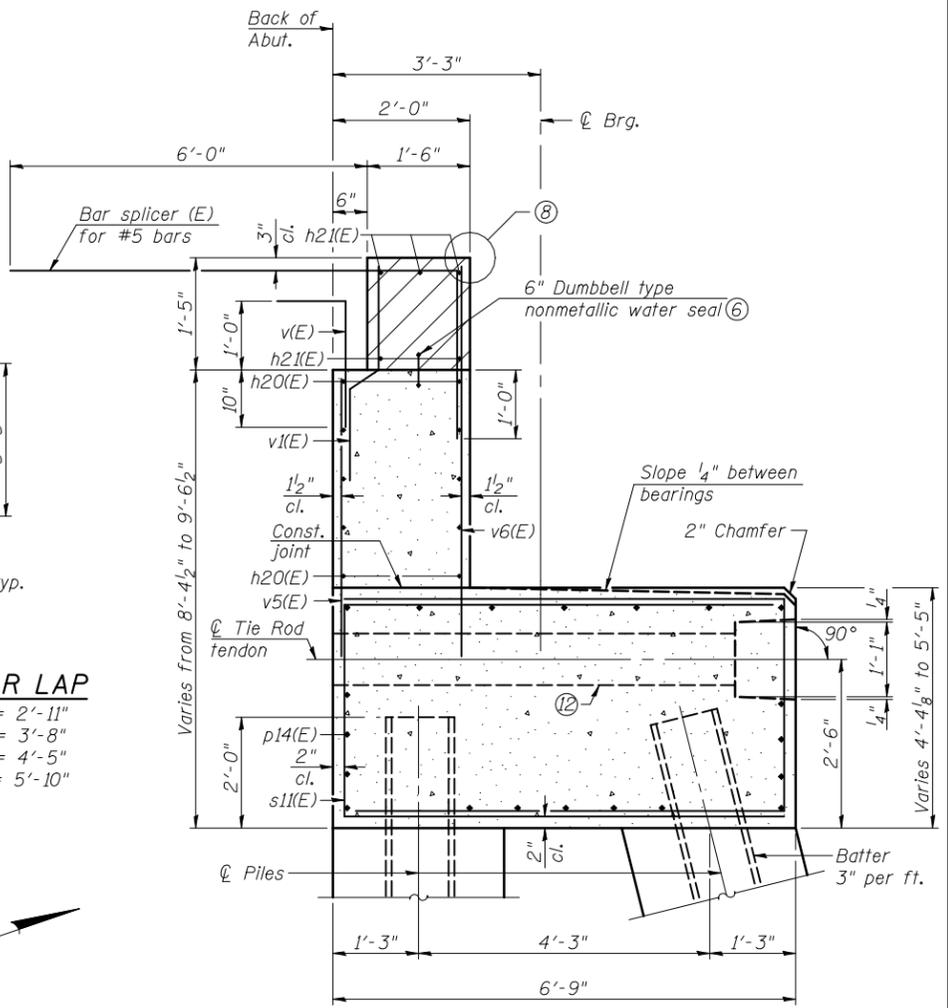
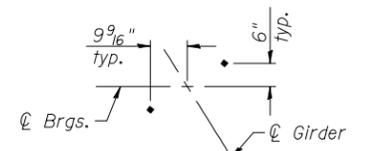


**ELEVATION**



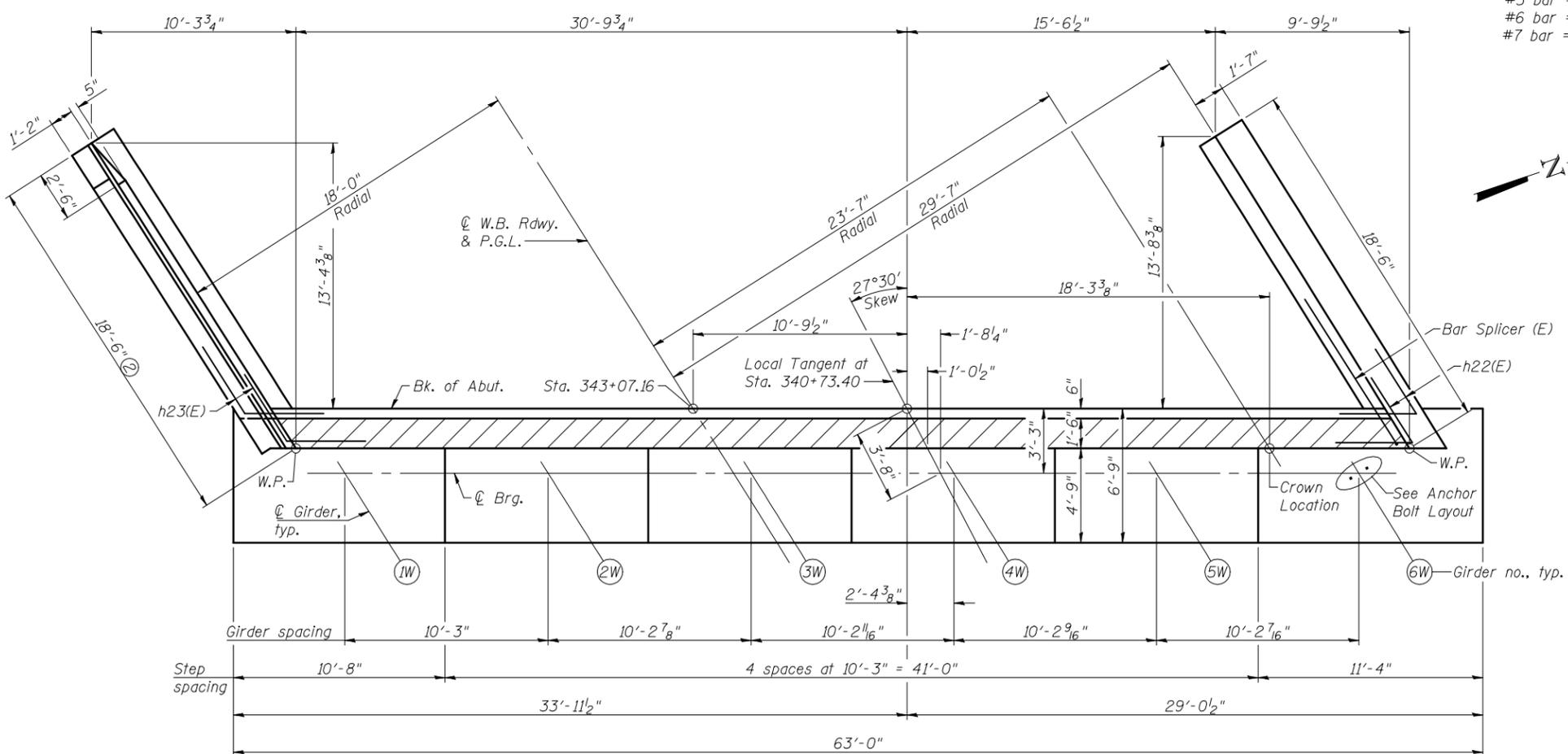
**SEC. THRU ABUT.**

**MIN. BAR LAP**  
 #4 bar = 2'-11"  
 #5 bar = 3'-8"  
 #6 bar = 4'-5"  
 #7 bar = 5'-10"



**ANCHOR BOLT LAYOUT**

- Notes:
- ① For details of Bar Splicers, see sheet 48 of 53.
  - ② Wingwall length is along front face of end post.
  - ③ For bar locations, see Sec. Thru Abut.
  - ④ Space reinforcement in cap to miss anchor bolts.
  - ⑤ Hatched area to be poured after superstructure falsework has been removed. Cost of concrete included with Concrete Superstructure on sheet 17 of 53.
  - ⑥ 6" Dumbbell type nonmetallic water seal shall be in accordance with Sections 503.12 and 1054 of the Standard Specifications. Cost included with Concrete Structures.
  - ⑦ Pour steps monolithically with cap.
  - ⑧ For Expansion Joint details, see sheet 25 of 53.
  - ⑨ Expansion joint details for skews greater than 30°, as shown on sheet 25 of 53, are applicable for the West Abutment.
  - ⑩ The abutments shall have all exposed surfaces of backwalls, bridge seats, and front faces of pile caps treated with Concrete Sealer.
  - ⑪ Bars indicated thus 20 x 2-#7 etc. indicates 20 lines of bars with 2 lengths per line.
  - ⑫ Round HSS blackout cast into cap for Tie Rod. For additional details, see sheet 38 of 53.
  - ⑬ Adjust orientation of pairs of s1(E) bars as needed to miss piles and round HSS blockouts by varying bar lap.



**TOP VIEW**



USER NAME =	DESIGNED - JAD	REVISED -
PLOT SCALE =	CHECKED - DGL	REVISED -
PLOT DATE =	DRAWN - JAD	REVISED -
	CHECKED - MAG	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT DETAILS  
 STRUCTURE NO. 039-0076 (W.B.)**

SHEET NO. 37 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11B-1)	JACKSON	200	149
CONTRACT NO. 78056				

ILLINOIS FED. AID PROJECT