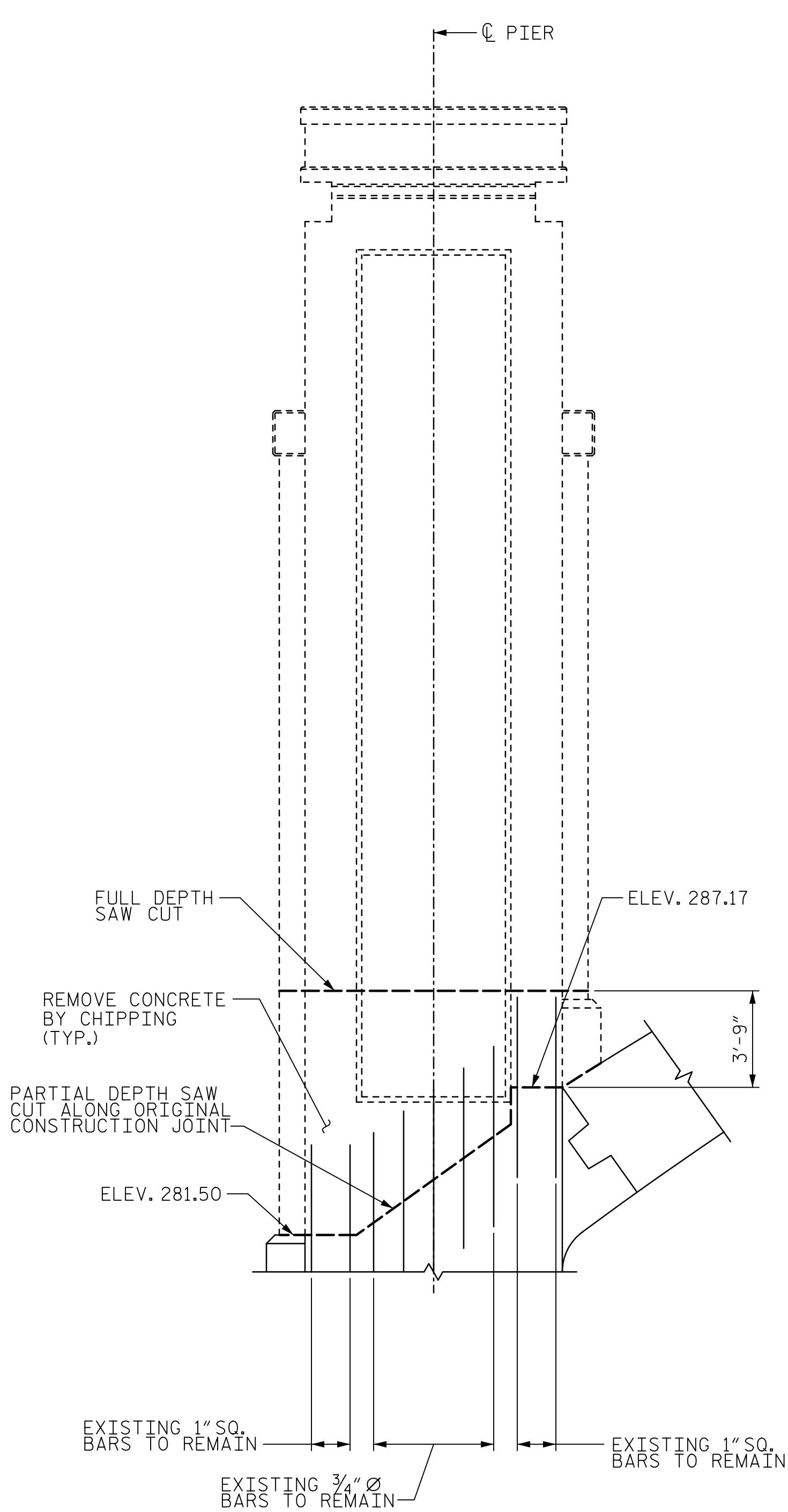


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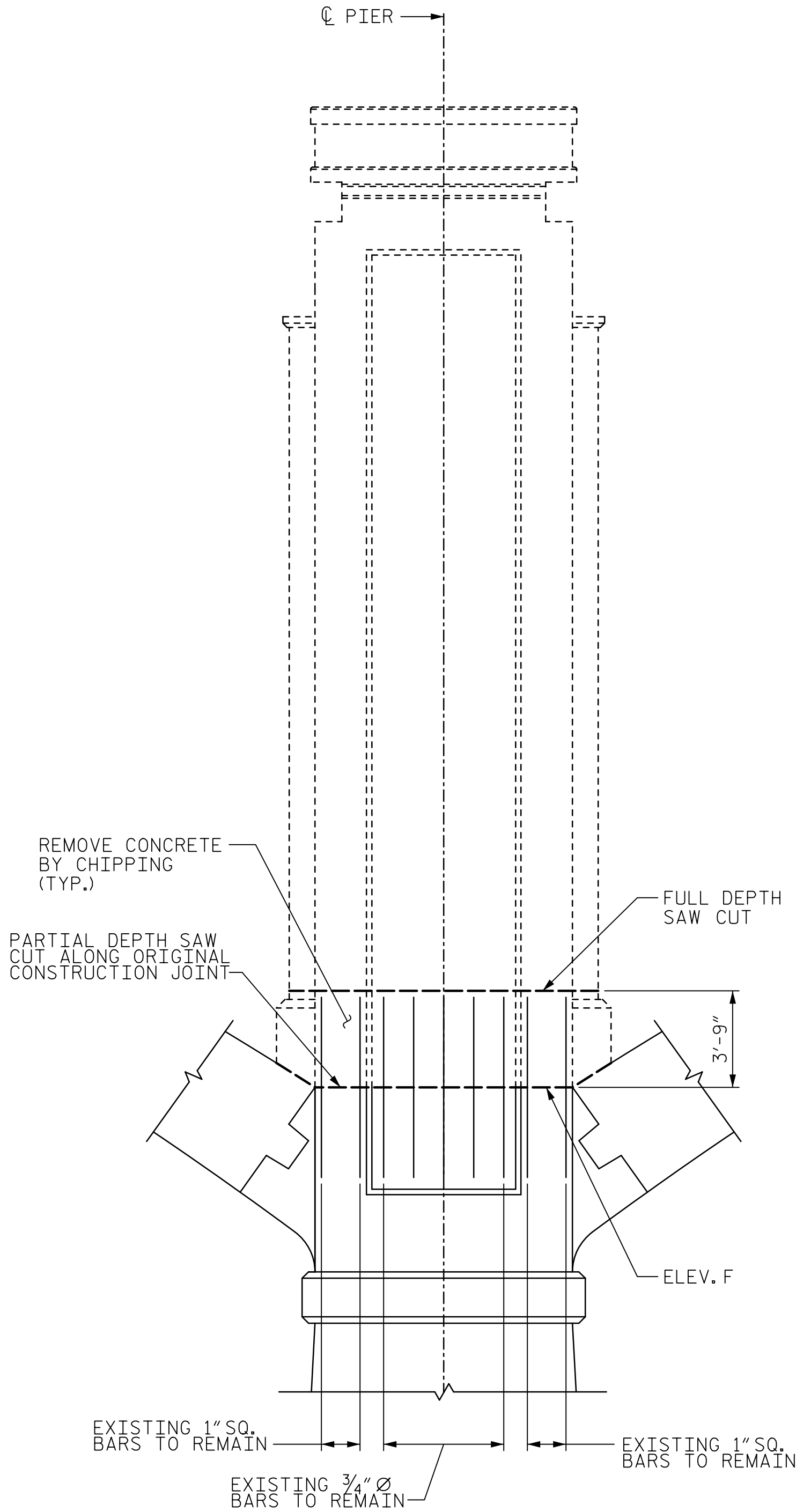
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ARCH PIER DEMOLITION SEQUENCE

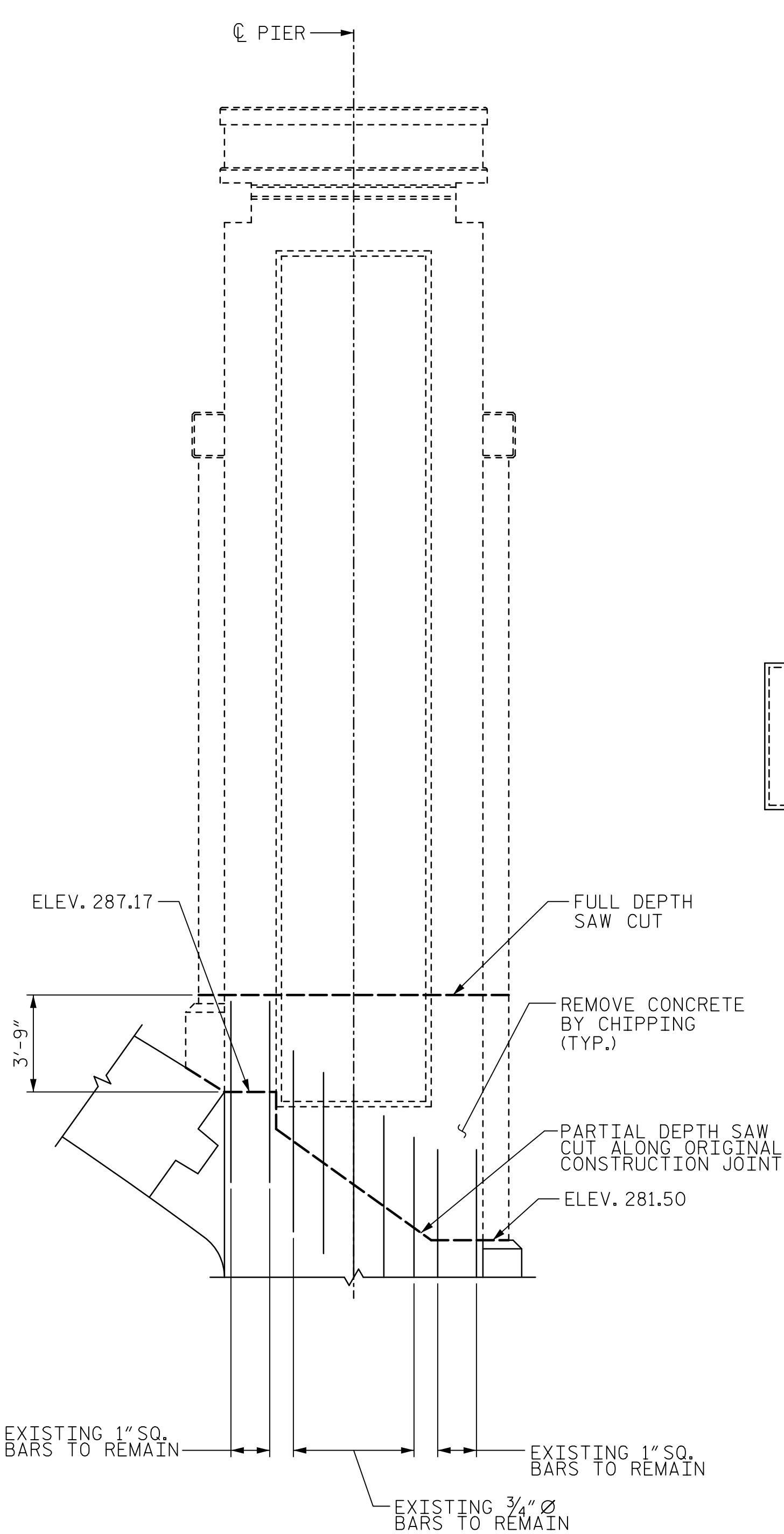
1. REMOVE DRAINAGE SYSTEM PIPES.
2. AFTER REMOVAL OF ADJACENT SPANDREL SPANS AND APPROACH SPANS, PERFORM FULL DEPTH SAW CUTS AS SHOWN IN THE END ELEVATION VIEW. REMOVE THE ARCH PIERS ABOVE THE SAW CUT LINES. IF NECESSARY, REMOVE THE PIERS IN INTERMEDIATE SEGMENTS. CONTRACTOR SHALL DETERMINE INTERMEDIATE SEGMENT SIZES AND SAW CUT LOCATIONS.
3. AT THE PARTIAL DEPTH SAW CUT, MEASURE THE CLEAR COVER TO THE MAIN VERTICAL REINFORCING STEEL USING GROUND PENETRATING RADAR. THE ORIGINAL PLANS INDICATE THAT THERE ARE 1" SQUARE REINFORCING BARS IN EACH PIER FLANGE AND 3/4" DIAMETER REINFORCING BARS IN EACH PIER WEB. CONTRACTOR SHALL CONFIRM THE REINFORCEMENT SIZE AND LOCATIONS, OR NOTIFY THE ENGINEER IF CONDITIONS DIFFER FROM THE ORIGINAL PLANS. COVER TO EACH BAR SHALL BE MEASURED ON EACH ADJACENT CONCRETE FACE WITHIN 1'-0" OF THE PARTIAL DEPTH SAW CUT.
4. SUBMIT THE CLEAR COVER, BAR SIZE, AND BAR LOCATION MEASUREMENTS TO THE ENGINEER FOR REVIEW. MEASUREMENTS MAY BE TAKEN AND SUBMITTED AT ANY TIME DURING THIS DEMOLITION SEQUENCE.
5. AFTER APPROVAL BY THE ENGINEER, PERFORM PARTIAL DEPTH SAW CUTS AT THE LOCATION SHOWN. SAW CUT SHALL BE OF A DEPTH THAT IS 1/2" LESS THAN THE CLEAR COVER TO THE MAIN VERTICAL REINFORCEMENT.
6. REMOVE REMAINING CONCRETE BETWEEN THE FULL DEPTH SAW CUT AND PARTIAL DEPTH SAW CUT BY CHIPPING. SUBMIT CHIPPING EQUIPMENT FOR APPROVAL BY THE ENGINEER. LEAVE A ROUGHENED SURFACE WITH AN AMPLITUDE OF 1/4" AT THE TOP OF THE ARCH RIB AND ARCH PIER WHERE PROPOSED CONCRETE WILL BE PLACED FOR THE REPLACEMENT PIER.



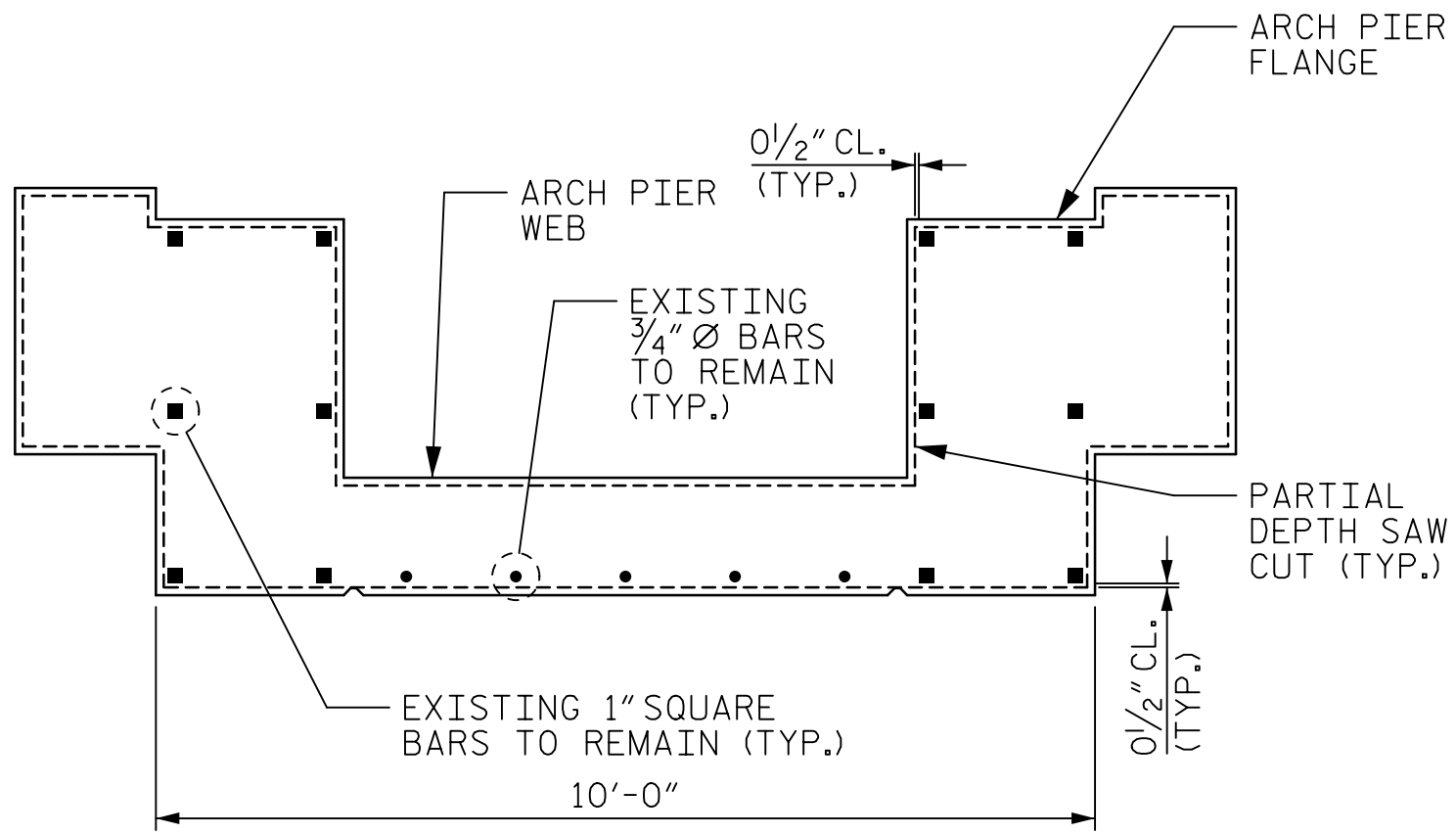
ARCH PIER 2
END ELEVATION



ARCH PIERS
3-5 END ELEVATION



ARCH PIER 6
END ELEVATION



SECTION AT
PARTIAL DEPTH SAW CUT

PROJECT NO. B-4974
STANLY/MONTGOMERY COUNTY
STATION: 339+86.39 -L-

SHEET 7 OF 8

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
DEMOLITION & CONSTRUCTION
SEQUENCE
ARCH PIER
DEMOLITION

DRAWN BY : J.E. SLOAN DATE : 12/2017
CHECKED BY : D. RITACCO DATE : 3/2018
DESIGNED BY : J.E. SLOAN DATE : 12/2017
DESIGN CHECKED BY : D. RITACCO DATE : 3/2018

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO. S-104
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 148
2			4			