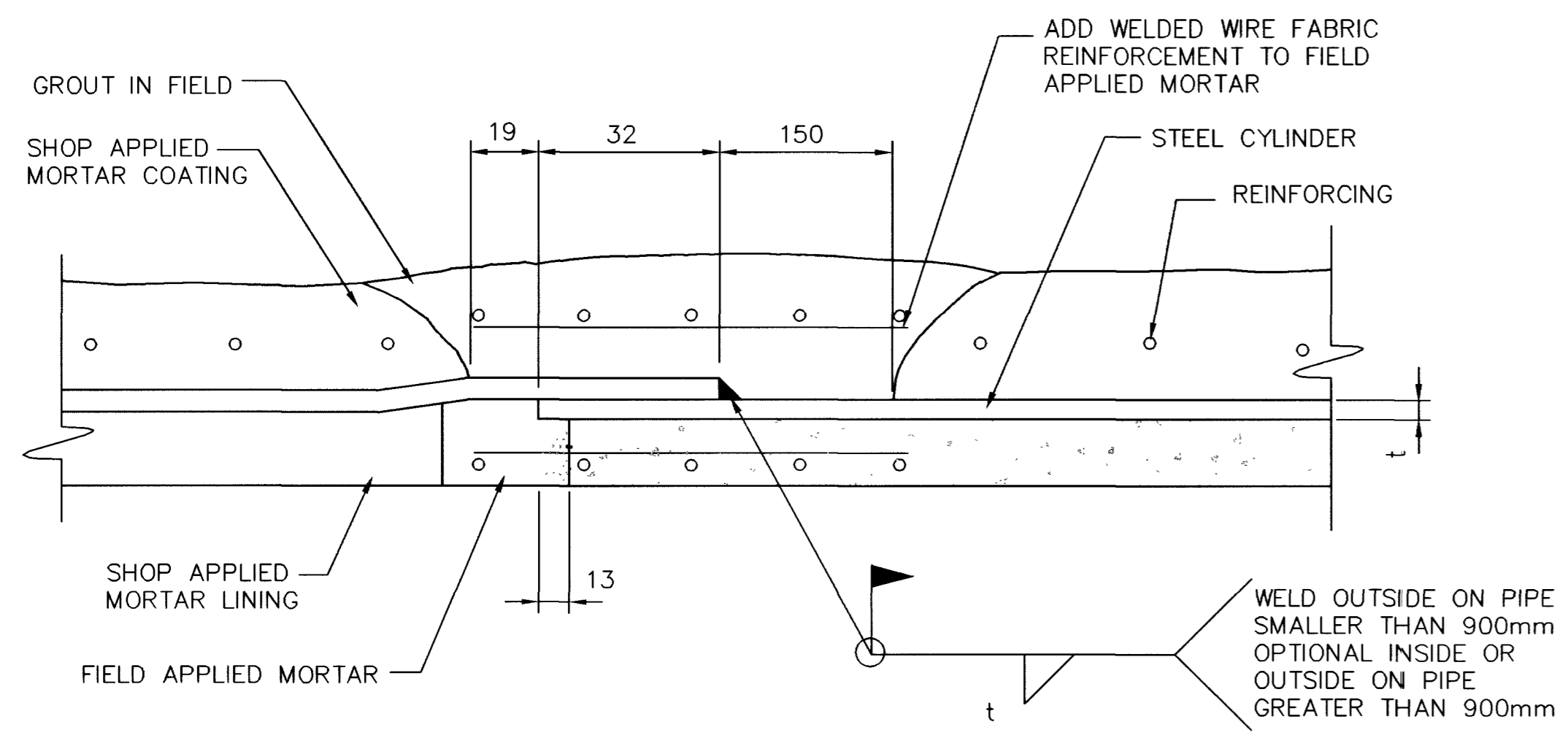
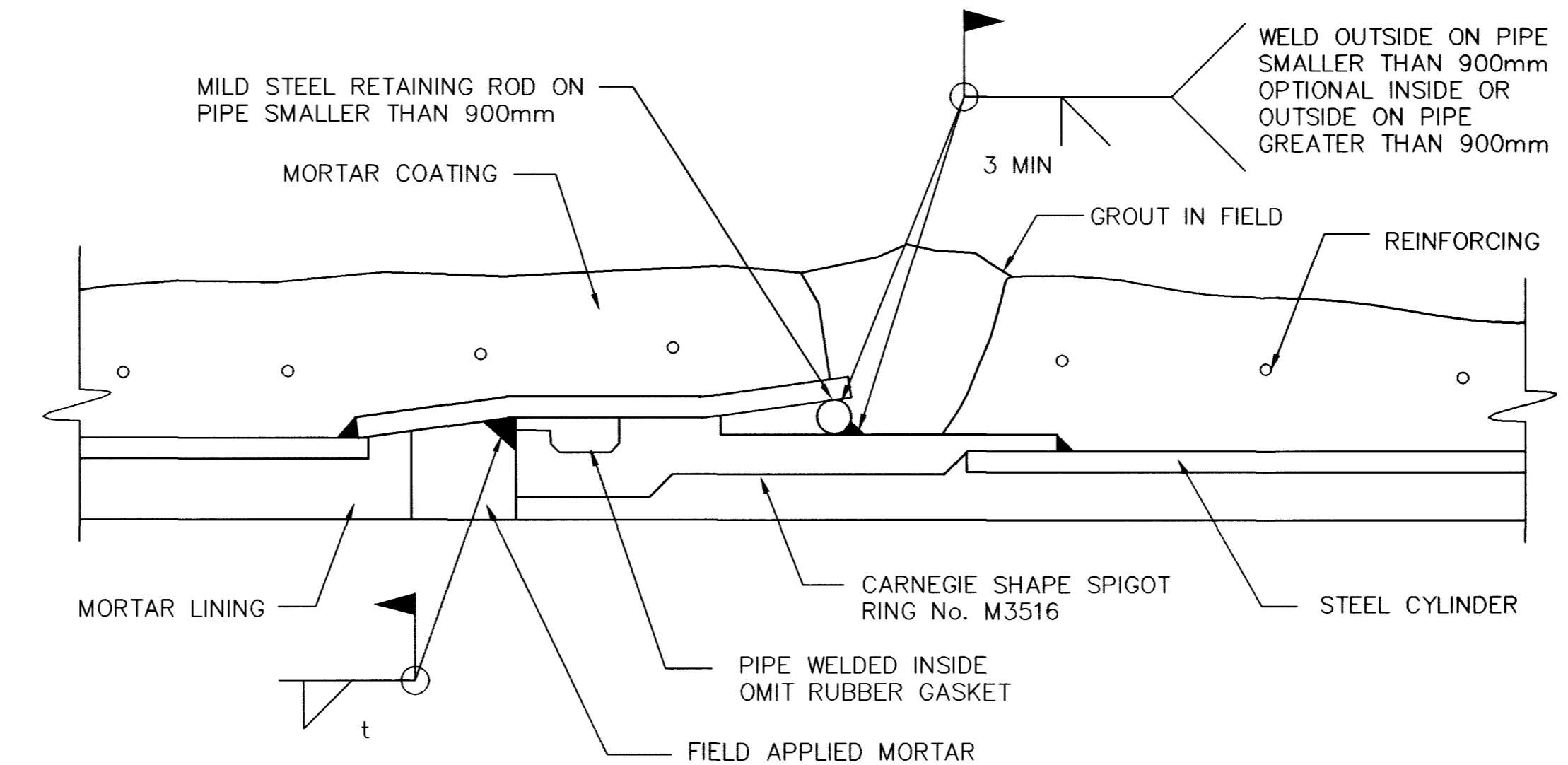


ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE NOTED

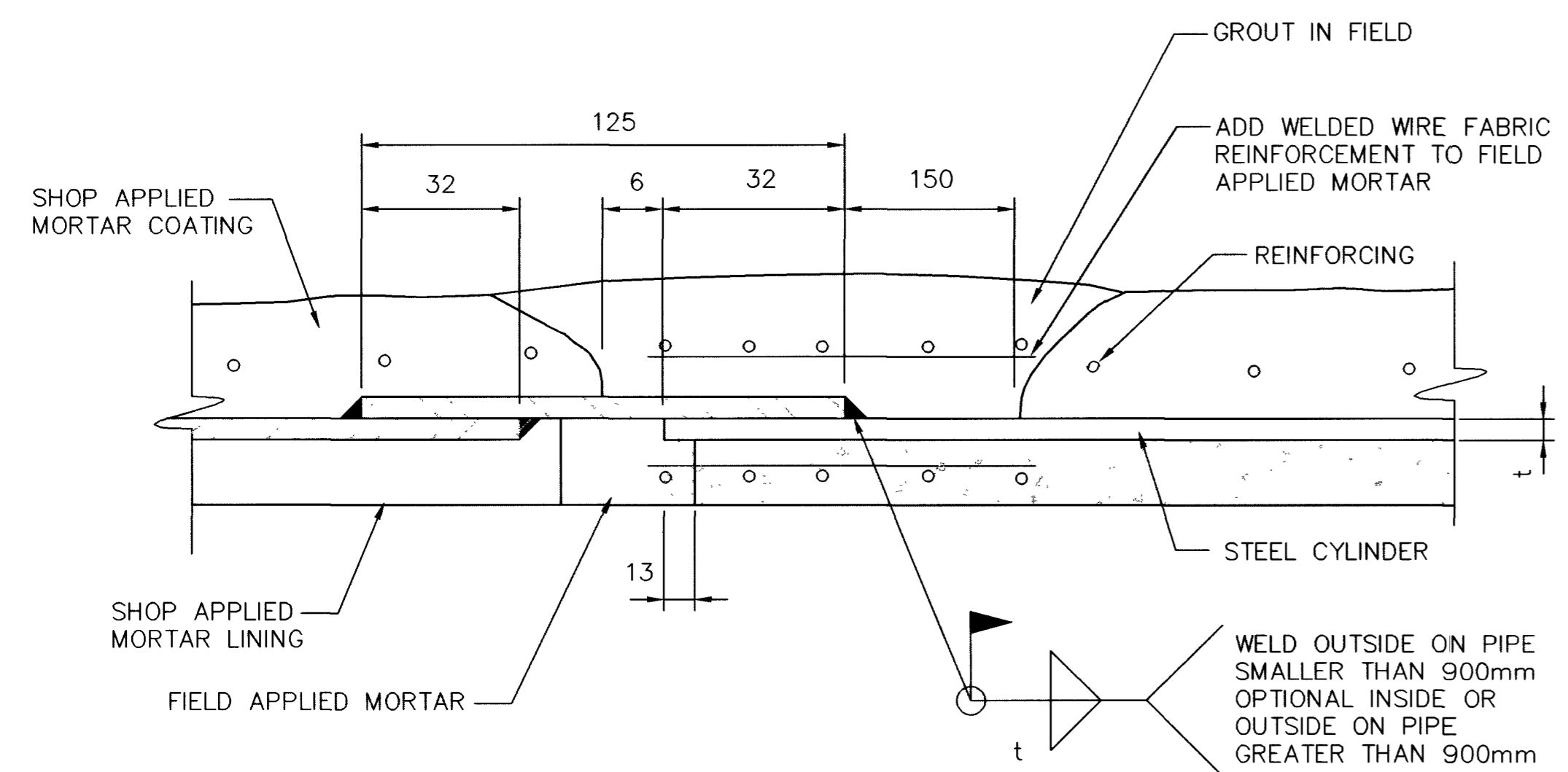
APPROVED FOR CONSTRUCTION  
LAS VEGAS VALLEY WATER DISTRICT DATE



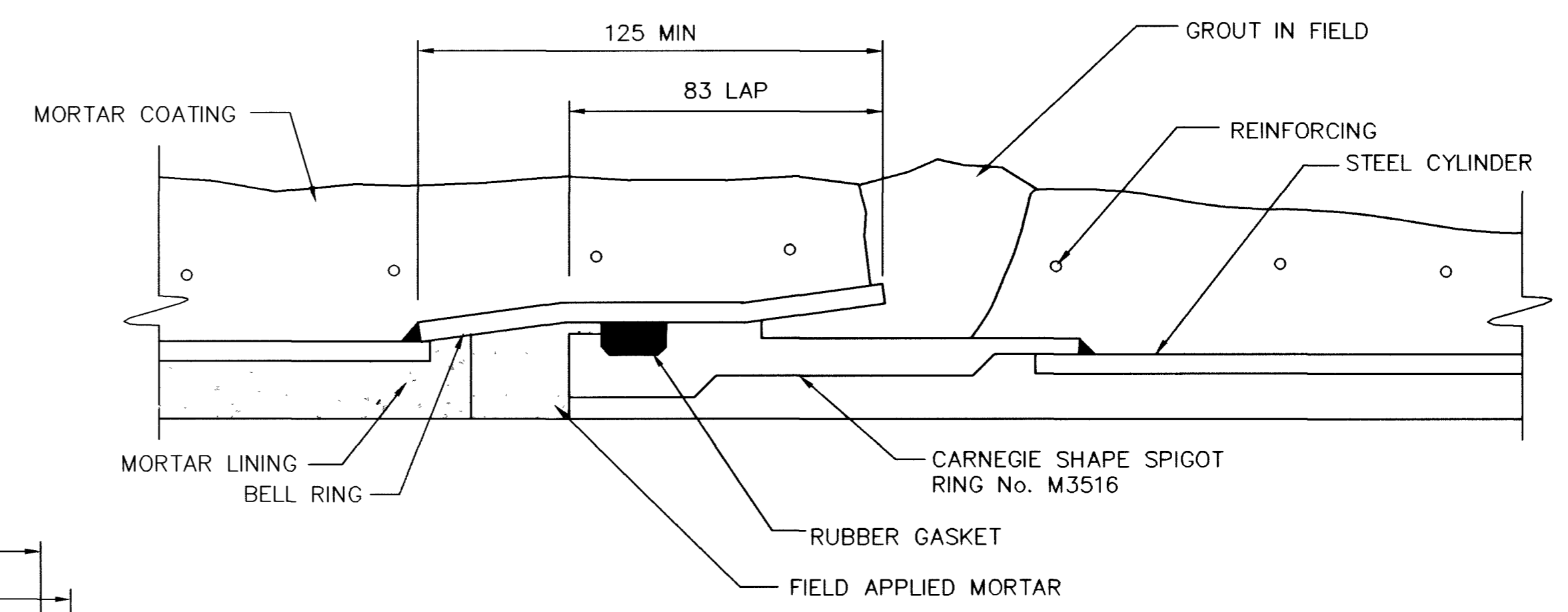
LAP-WELDED SLIP JOINT  
ALTERNATE "A" FIELD WELDED



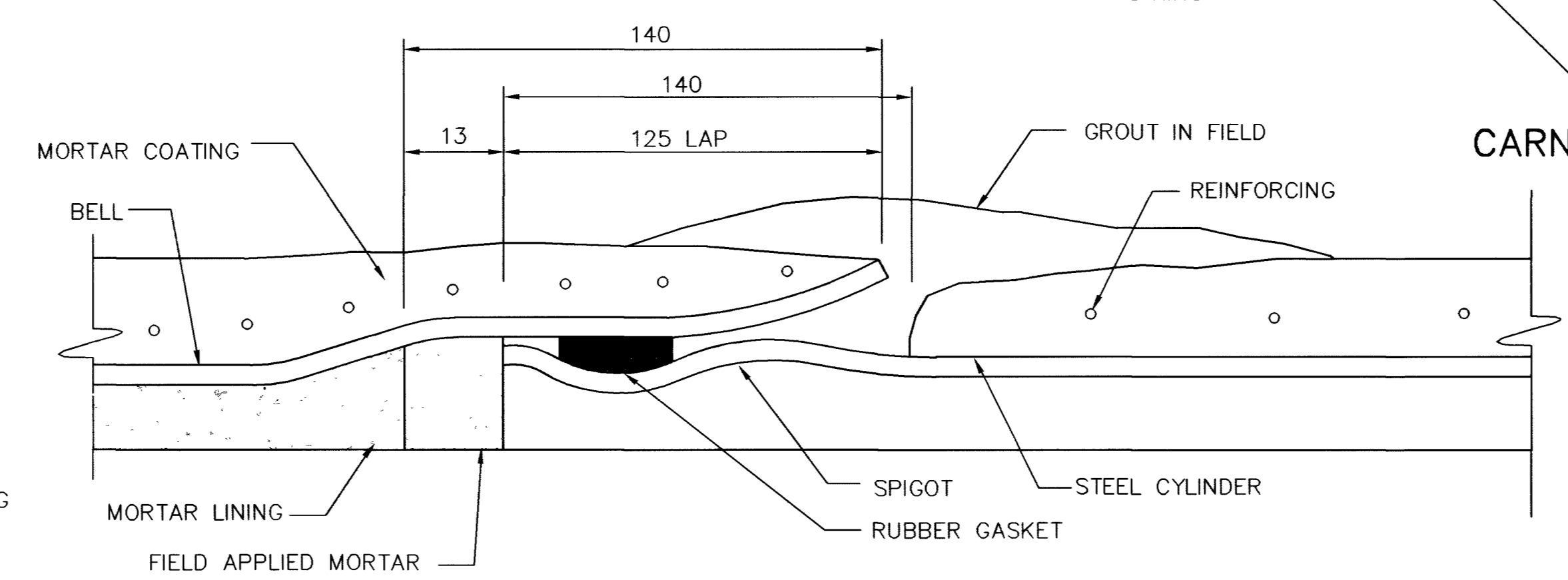
CARNEGIE JOINT FIELD WELDED



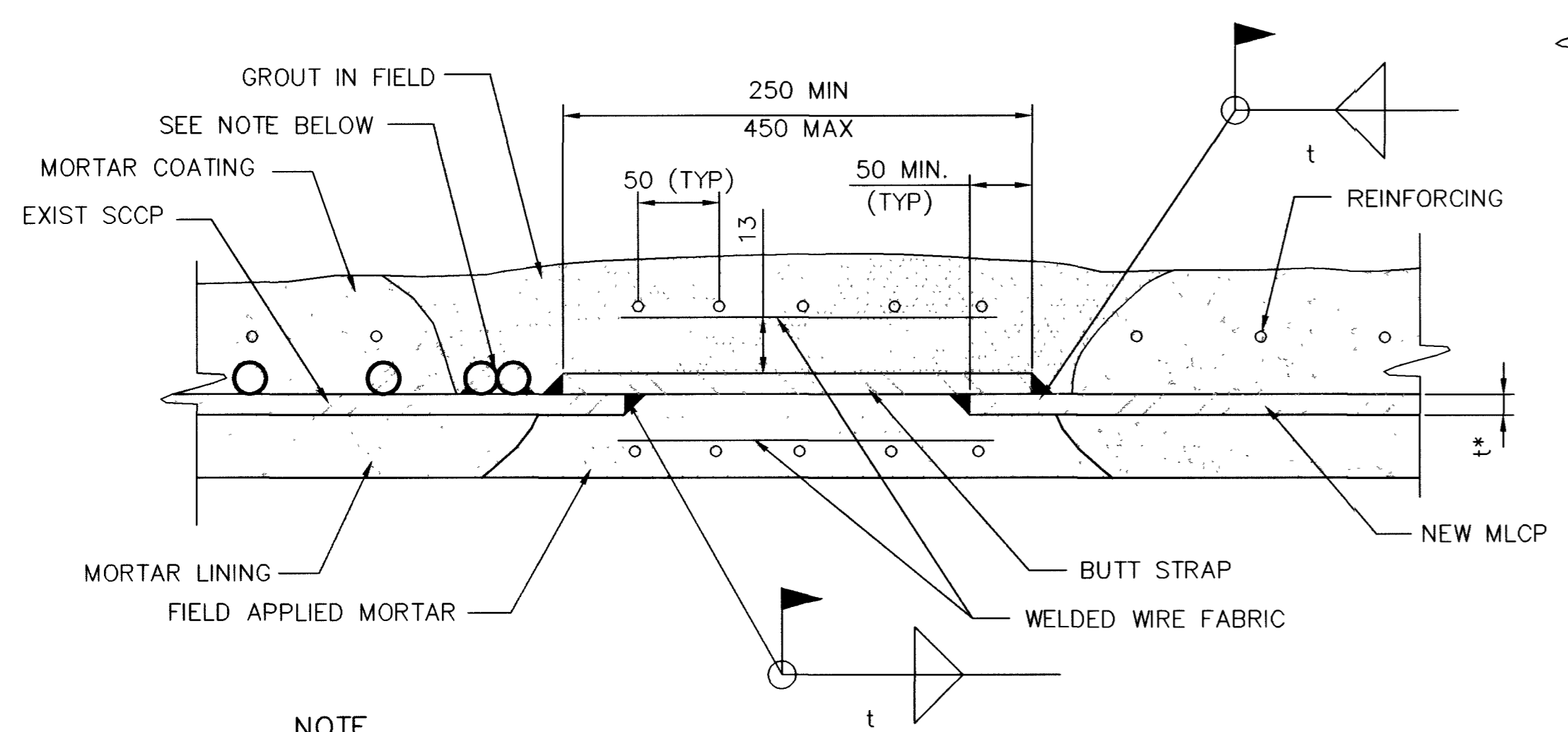
LAP-WELDED SLIP JOINT  
ALTERNATE "B" FIELD WELDED



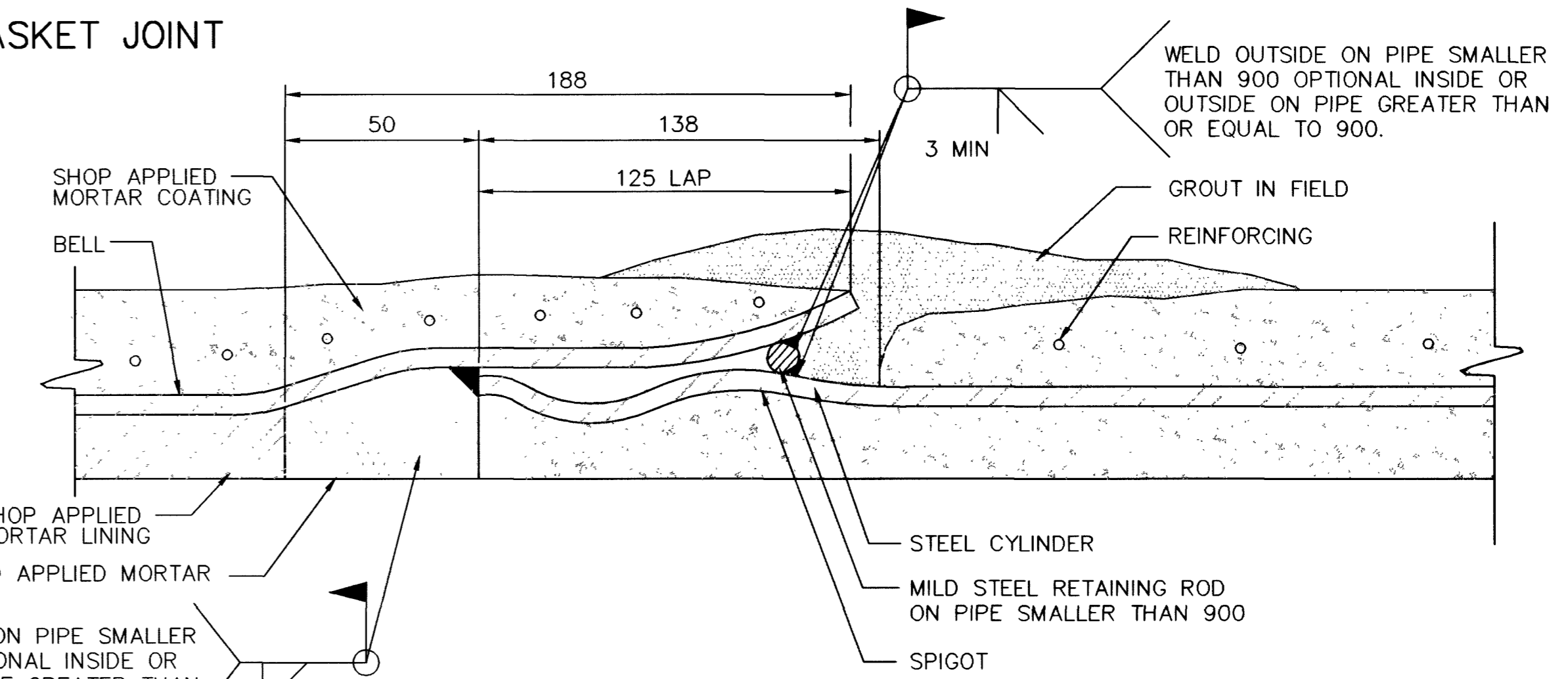
CARNEGIE JOINT



ROLLED-GROOVE RUBBER GASKET JOINT



BUTT STRAP JOINT AT CONNECTIONS  
TO EXISTING SCCP



ROLLED-GROOVE JOINT FIELD WELDED

NOTE

BEFORE ANY CUT IS MADE TO THE EXISTING SCCP, TACK WELD THE EXISTING SPIRAL ROD WRAP OUTSIDE OF THE CUT AREA TO MAINTAIN TENSION, THEN CUT THE ROD WRAP AT APPROXIMATELY THE CENTER OF THE AREA TO BE REMOVED AND USING THE EXCESS ROD WRAP, TENSION 1-1/2 FULL OF THE ROD WRAP SNUGLY AROUND AND WELD TO THE CYLINDER PARALLEL TO WHERE THE CUT IN THE EXISTING SCCP IS TO BE MADE.

NOTES:

JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE DETAILS AND WITH SECTION 629 OF THE SPECIAL PROVISIONS.

t\* = SEE SPECIFICATIONS FOR STEEL THICKNESSES.

DATE	4/30/03
REVISIONS	
PROJECT #	31604
DESIGN BY	LWMD
SCALE (V)	1:10 m
DATE	DEC 17, 1999
SCALE (H)	1:10 m
FLD. BK. #	N/A

RECORD DRAWING

**PARSONS BRINCKERHOFF**  
Las Vegas, Nevada

STATE OF NEVADA  
REGISTERED PROFESSIONAL CIVIL ENGINEER  
JOHN P. CLARK  
No. 11190

DEPARTMENT OF PUBLIC WORKS  
I-15 FREEWAY CHANNEL  
UTILITY DETAILS

DRAWING No. 202  
U-43  
241