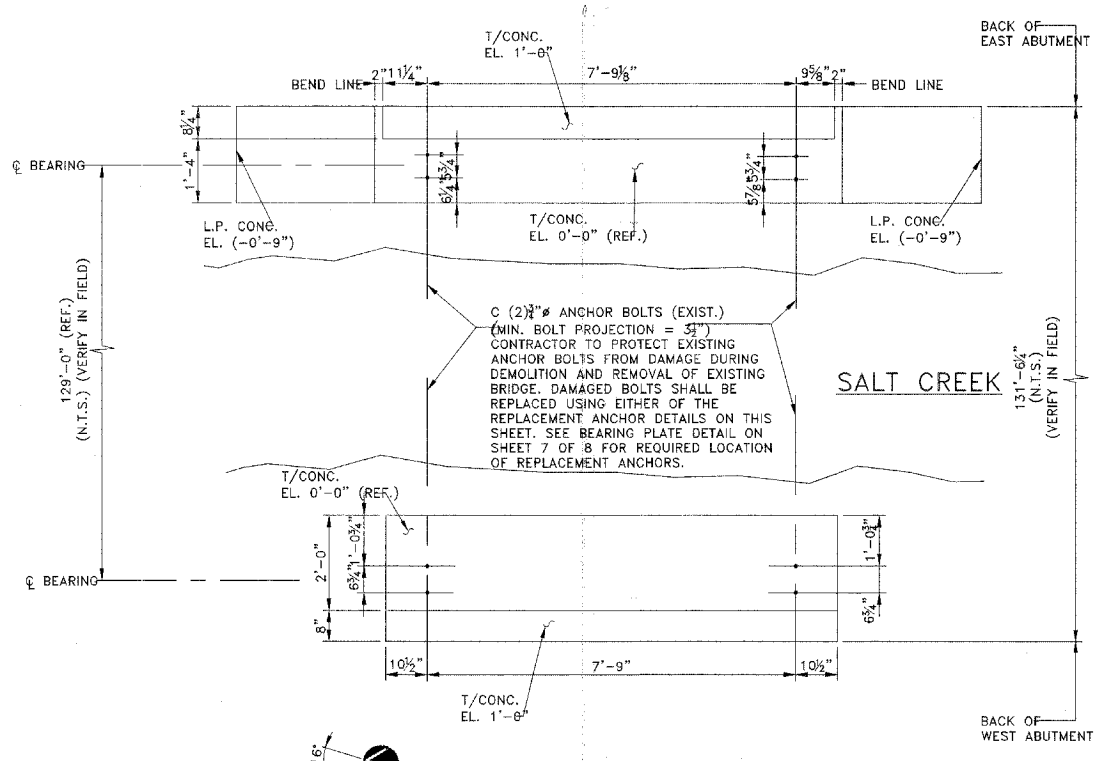


REPLACEMENT ANCHOR
 (SUBMIT PROPOSED EPOXY ADHESIVE FOR ENGINEERS APPROVAL)
 SCALE: 6"=1'-0"


ALTERNATE REPLACEMENT ANCHOR
 (SUBMIT PROPOSED EPOXY GROUT FOR ENGINEERS APPROVAL)
 SCALE: 6"=1'-0"

- NOTE 1**
- NONSHRINK EPOXY GROUT SHALL BE A 100% SOLIDS, PREMEASURED, PACKAGED SYSTEM CONTAINING THERMOSETTING EPOXY RESINS, EXPANSIVE ADDITIVES AND INERT FILLERS. GROUT SHALL BE PREPARED AND PLACED IN STRICT CONFORMANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. THE GROUT MATERIAL SHALL MEET ALL THE FOLLOWING TYPICAL PERFORMANCE CRITERIA WHEN CURED AT 73°F:
- A. COMPRESSIVE STRENGTH, ASTM C 579 B
 - COMPRESSIVE STRENGTH
 - 8 HOURS 8000 PSI (55.2 MPA)
 - 1 DAY 13000 PSI (89.7 MPA)
 - 7 DAYS 15000 PSI (103.5 MPA)
 - TESTED AT 180°F (82°C) 11000 PSI (75.9 MPA)
 - COMPRESSIVE MODULUS
 - 8 HOURS 1.3 X 106 PSI (0.9 X 104 MPA)
 - 1 DAY 1.6 X 106 PSI (1.1 X 104 MPA)
 - 7 DAYS 1.7 X 106 PSI (1.2 X 104 MPA)
 - TESTED AT 180°F (82°C) 1.2 X 106 PSI (0.8 X 104 MPA)
 - B. HEIGHT CHANGE, ASTM C 827
 - 90°F (32°C) POSITIVE EXPANSION
 - C. EFFECTIVE BEARING AREA 95%
 - D. TENSILE STRENGTH, ASTM C 307 2400 PSI (16.5 MPA)
 - E. CREEP, ASTM C 1181,
 - 1 YEAR, 600 PSI (4.1 MPA),
 - 140°F (60°C) 1.8 X 10⁻³ IN/IN
 - F. FLEXURAL STRENGTH, ASTM C 580
 - 7 DAYS 5000 PSI (34.5 MPA)
 - G. BOND TO CONCRETE, ASTM C 882 CONCRETE FAILURE
 - H. COEFFICIENT OF THERMAL EXPANSION,
 - ASTM C 531 17 X 10⁻⁶ IN/IN/°F (30 X 10⁻⁶ MM/MM/°C)



EXISTING BRIDGE ABUTMENT PLAN
 (FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION)
 SCALE: 1/2"=1'-0"

REV.	DATE	ISSUE	BY
0	12/19/07	FOR BID	



INGENII, LLC
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Village of Brookfield
 Salt Creek Pedestrian
 Bridge Replacement
 BROOKFIELD, IL

**EXISTING BRIDGE
 ABUTMENT PLAN**

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REGISTERED SEAL:
 STATE OF ILLINOIS
 KENNETH W. FLOODY
 03-4509
 CIVIL ENGINEER
 DATE: 12/19/07 EXPIRES: 11/30/10

DATE	PROJECT NO.	SHEET NO.
12/19/07		S-1
SCALE	REVISION	
AS NOTED		

SCALE:	AS NOTED	SHEET
DRAWN BY:	MK/LEV	6
BOOK NO.:	BP/LS	8
DATE:	3-7-08	
E.H.E. NO.:	125-06-29040	

Drawing file: W:\Projects\12506290 - Pedestrian Bridge Development\BRD02.dwg Mar 07, 2008 - 10:20am

HANCOCK ENGINEERING

- ◆ Civil Engineers
- ◆ Municipal Consultants
- ◆ Established 1911

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**PEDESTRIAN BRIDGE REPLACEMENT
 VILLAGE OF BROOKFIELD, ILLINOIS**

**PEDESTRIAN BRIDGE
 ABUTMENT DETAILS**