

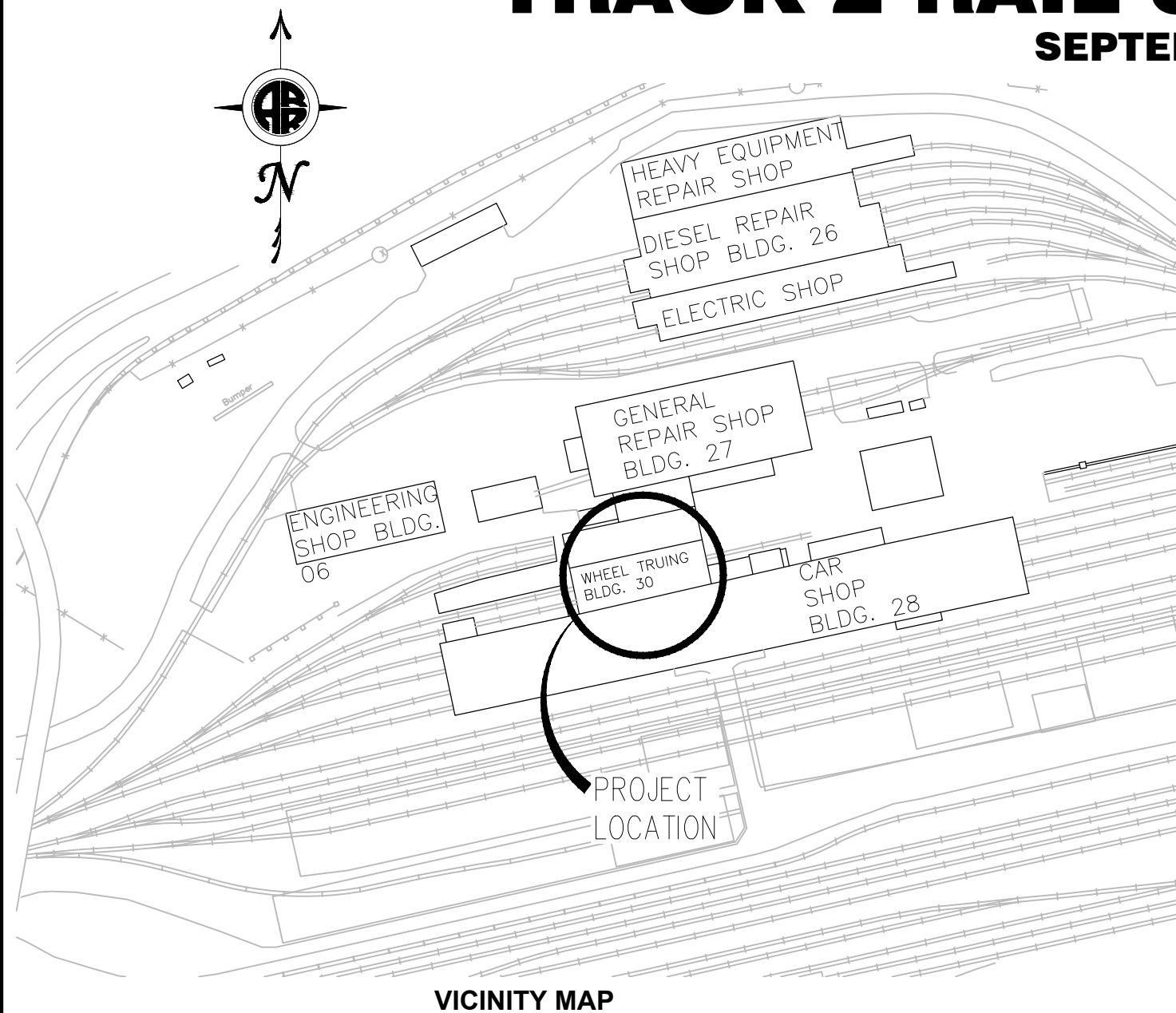


**ALASKA RAILROAD CORPORATION**  
ENGINEERING SERVICES

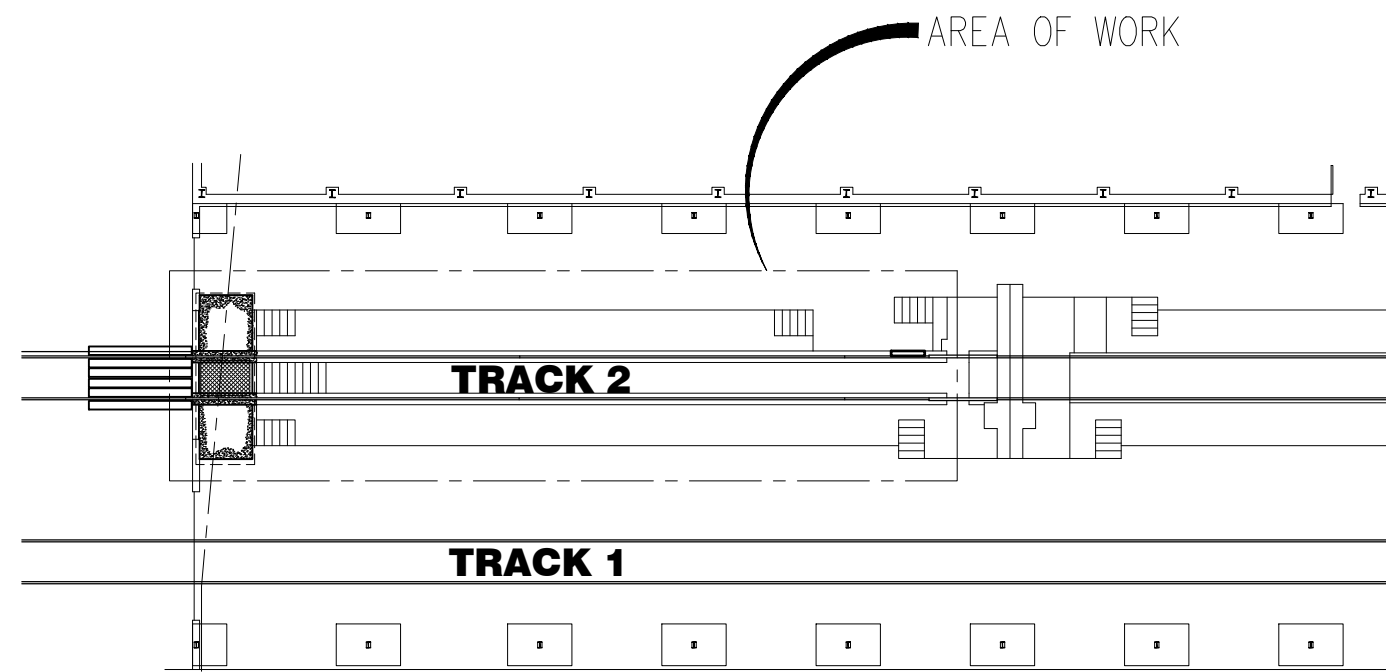
P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500

# **BUILDING 30 WHEEL TRUING SHOP TRACK 2 RAIL SUPPORT REPAIR**


**SEPTEMBER 2021**

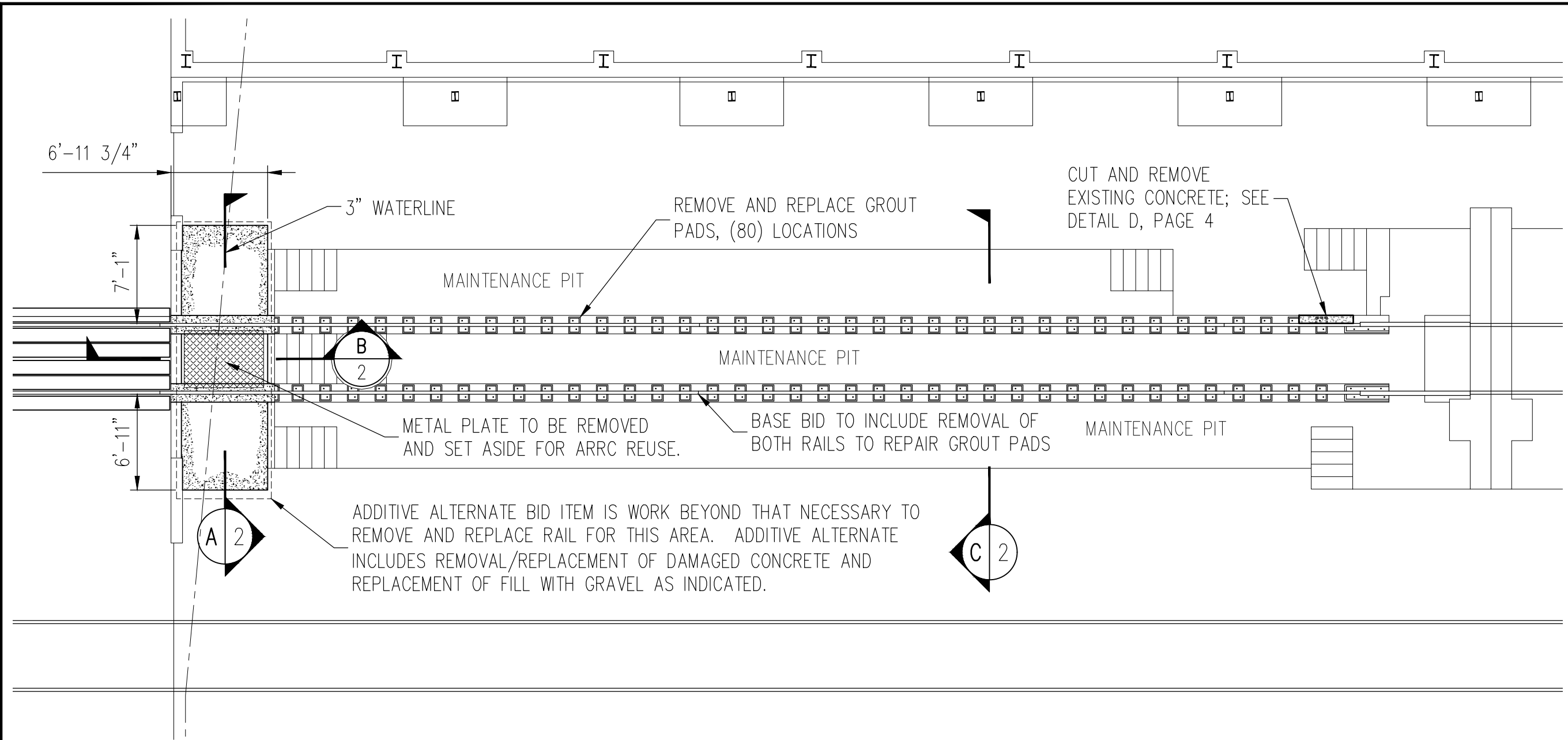


**VICINITY MAP**



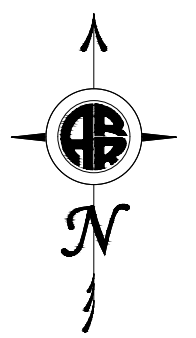
**SITE MAP**

 <b>ALASKA RAILROAD CORPORATION</b> ENGINEERING SERVICES P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500		
PROJECT : <b>ANCHORAGE BUILDING 30 TRACK 2 RAIL SUPPORT REPAIR</b>		
TITLE: <b>TITLE SHEET &amp; LOCATION MAP</b>		
DESIGNED BY: ARRC	SCALE : AS NOTED	AFE NO.:
DRAWN BY: CDL	DATE : 7/25/19	ACAD FILE:
CHECKED BY: ARRC		DWG NO.
APPROVED BY: CDR		<b>1</b> OF <b>4</b>



### BLDG 30 PLAN

SCALE: 1/8" = 1'-0"



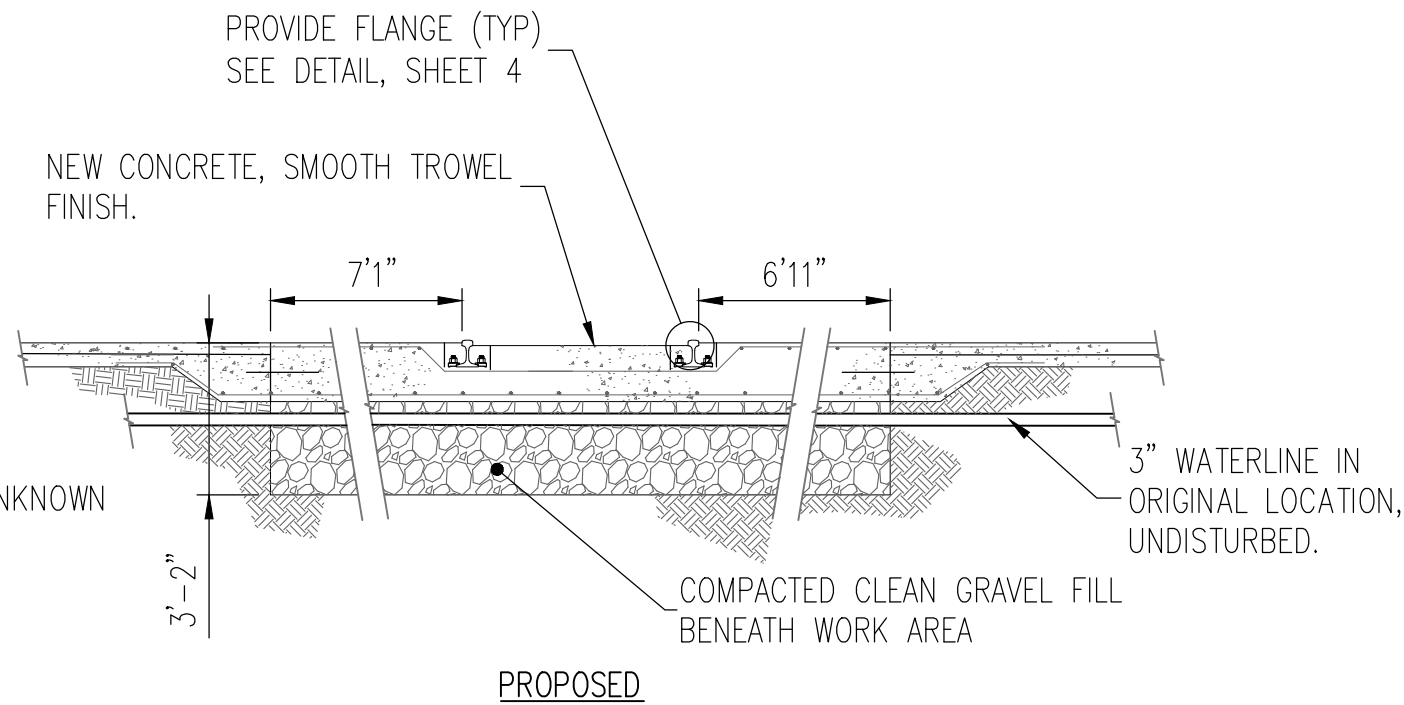
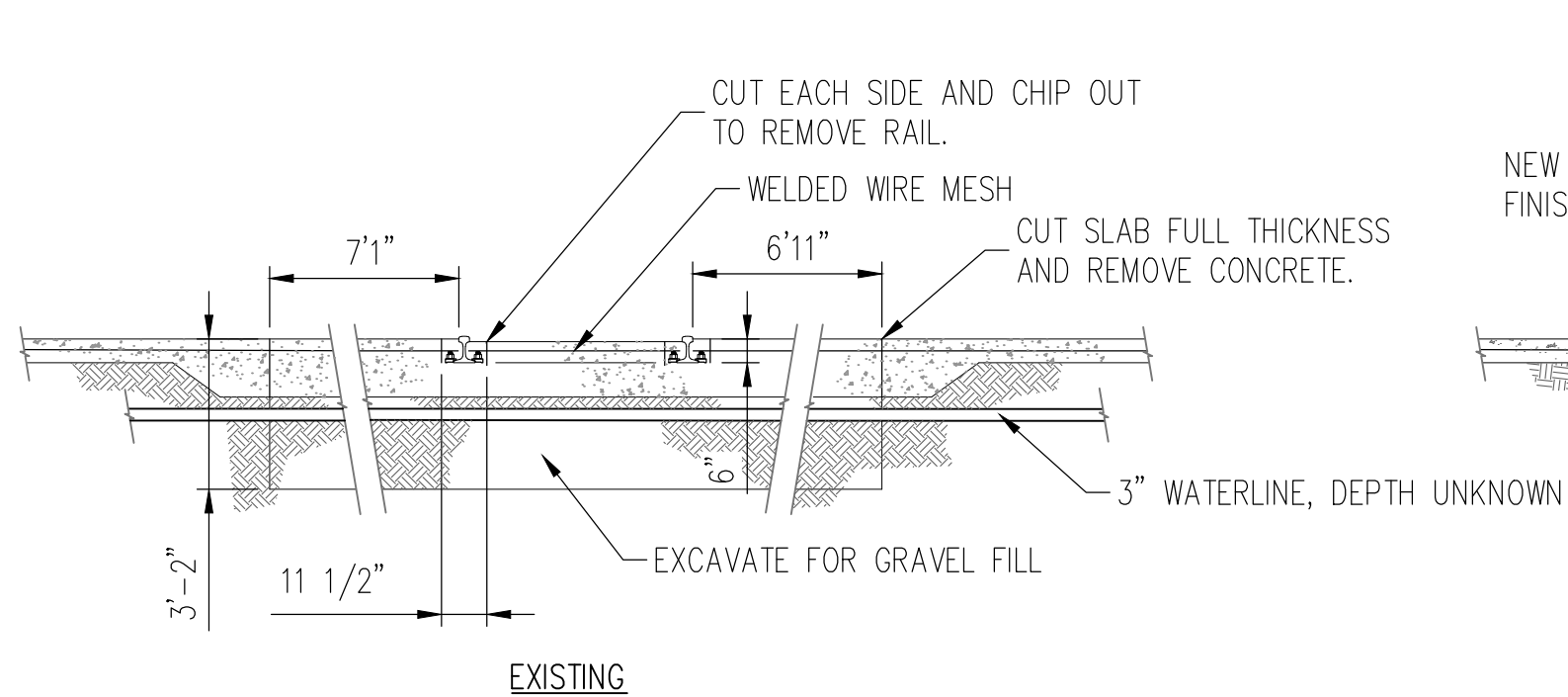
#### SCHEDULE OF CONSTRUCTION MATERIALS

CONCRETE	28-DAY STRENGTH	MAXIMUM WATER/CEMENT RATIO	AIR ENTRAINMENT
	4000 PSI	0.45	4% ±1%
REINFORCING STEEL	ASTM A615, GRADE 60		
CONCRETE COVER	FOOTINGS CAST AGAINST EARTH: 3" FOOTINGS CAST AGAINST FORMS: 2" WALLS: 2", EXCEPT WHERE NOTED		
PERSONAL PROTECTIVE EQUIPMENT, MINIMUM	HIGH VISIBILITY VEST, HARDHAT, SAFETY GLASSES, SAFETY TOE WORK BOOTS		

#### NOTES:

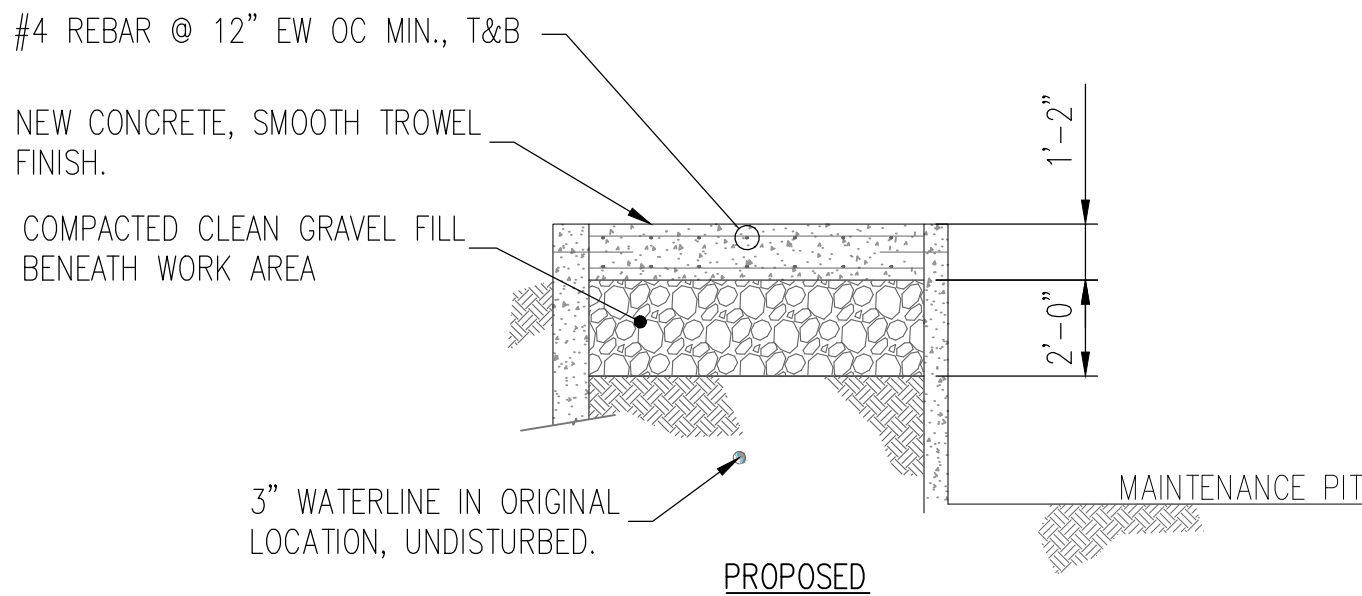
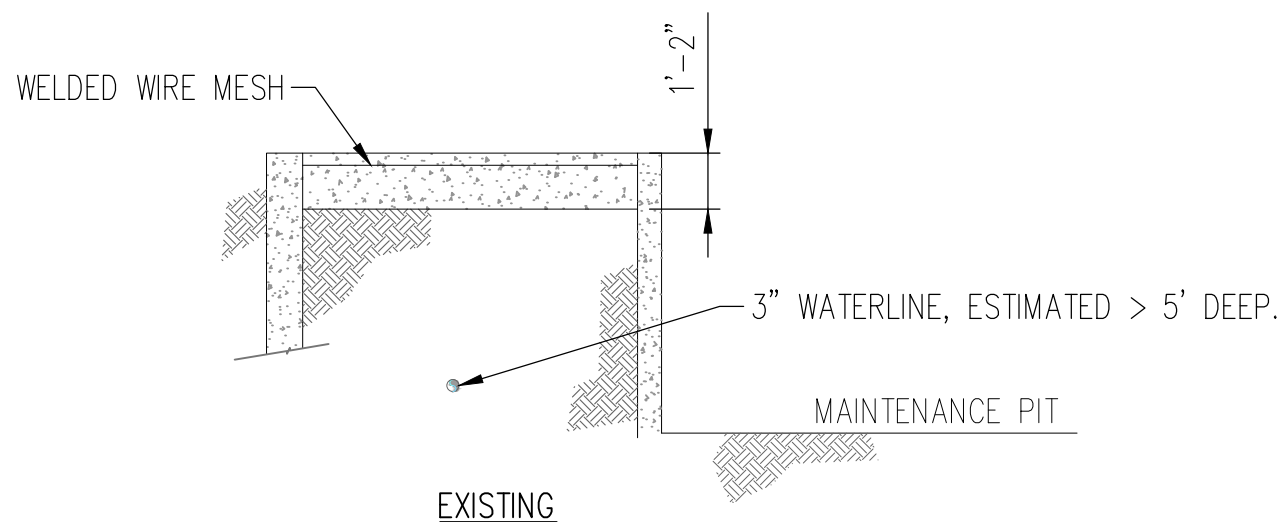
1. CONTRACTOR SHALL PROVIDE A FIRM SCHEDULE OF WORK TO ALASKA RAILROAD AND ONE WEEK OF NOTICE PRIOR TO STARTING DEMOLITION. WORK TO BE SCHEDULED BETWEEN OCTOBER 1 AND DECEMBER 31.
2. CONTRACTOR TO CUT AND REMOVE CONCRETE AS INDICATED. AVOID CUTTING INTO RAIL.
3. ALASKA RAILROAD TO ASSIST WITH REMOVE OF RAILS AFTER EXCAVATING FROM EXISTING CONCRETE AND INSTALLATION OF NEW/USED 115# RAIL PRIOR TO PLACING NEW CONCRETE.
4. CONTRACTOR TO PROVIDE, PLACE AND COMPACT PITRUN GRAVEL, TYPE II, 2" MINUS, WHERE INDICATED.
5. ALASKA RAILROAD TO PROVIDE PROTECTION FROM RAIL ROLLING STOCK AND LOCOMOTIVES.
6. CONCRETE SHALL BE FORMED, BATCHED, PLACED AND CURED PER ASTM C-94, ACI 306R.
7. WATER REDUCING AGENT MAY BE ADDED TO CONCRETE TO INCREASE WORKABILITY. MAXIMUM SLUMP OF 6".
8. SUPPORT BARS ON GRADE USING PLASTIC CHAIRS; NO CONCRETE DOBIES.
9. AIR USED TO CLEAN HOLES FOR REBAR DOWELS MUST BE FREE FROM OIL. COMPRESSOR, IF USED, MUST BE EQUIPPED WITH FUNCTIONING AIR DRYER.
10. NEW GROUT PADS TO BE FORMED FROM BASF MASTERFLOW 649 OR APPROVED EQUAL ACCORDING TO MANUFACTURERS GUIDELINES.
11. NO TRAFFIC ON REPAIR FOR 7 DAYS. NO LOCOMOTIVES OR LOADED CARS ON REPAIR FOR 28 DAYS.

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PROJECT : <b>ANCHORAGE BUILDING 30 TRACK 2 RAIL SUPPORT REPAIR</b>		
TITLE: <b>PLAN, SPECIFICATIONS &amp; NOTES</b>		
DESIGNED BY: CDR	SCALE : AS NOTED	AFE NO.:
DRAWN BY: CDL	DATE : 7/25/19	ACAD FILE:
CHECKED BY: CDR		DWG NO. <b>2</b> OF <b>4</b>
APPROVED BY:		




**SECTION A**

SCALE: 1/4" = 1'-0"



**SECTION B**

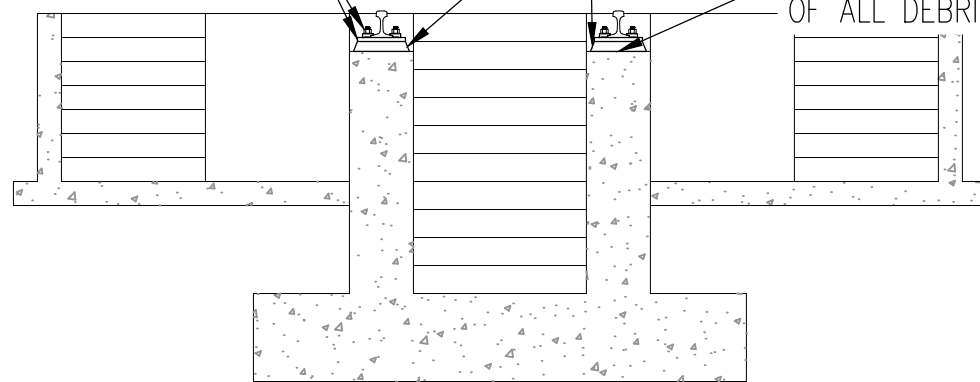
SCALE: 1/4" = 1'-0"

 <b>ALASKA RAILROAD CORPORATION</b> ENGINEERING SERVICES P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500		
PROJECT : <b>ANCHORAGE BUILDING 30 TRACK 2 RAIL SUPPORT REPAIR</b>		
TITLE: <b>SECTIONS &amp; DETAILS</b>		
DESIGNED BY: CDR	SCALE : AS NOTED	AFE NO.:
DRAWN BY: CDL	DATE : 7/25/19	ACAD FILE:
CHECKED BY: CDR		DWG NO. <b>3</b> OF <b>4</b>
APPROVED BY:		

REMOVE AND RETAIN STEEL PLATES, NUTS, WASHERS AND CLIPS. ALL LOCATIONS.

REMOVE EXISTING GROUT PADS (80) LOCATIONS.

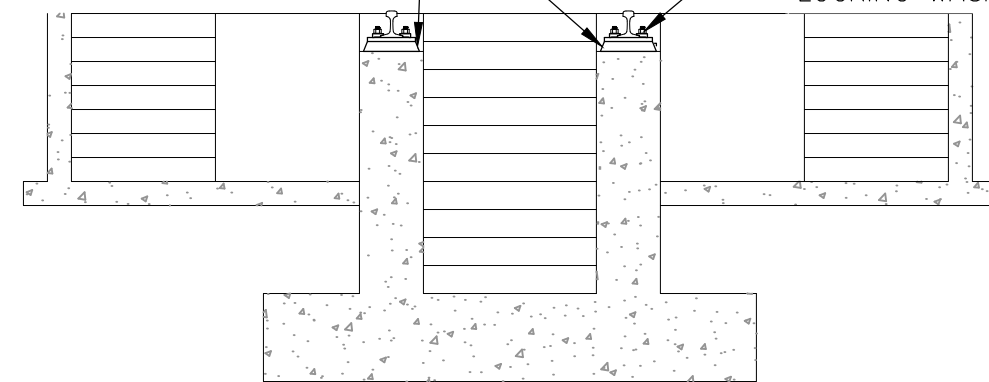
CLEAN EXISTING CONCRETE SURFACE OF ALL DEBRIS AND OIL.



EXISTING

NEW GROUT PADS, (80) LOCATIONS. BASF MASTERFLOW 649 OR APPROVED EQUAL.

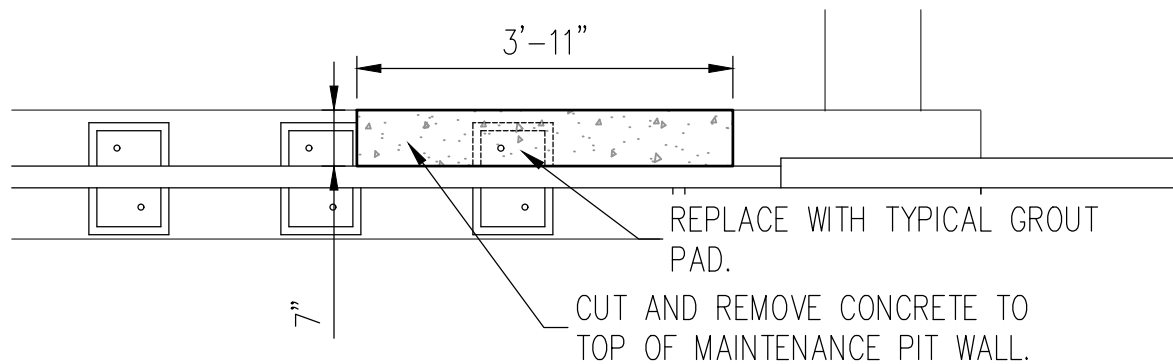
REPLACE EXISTING STEEL PLATES, FASTEN WITH EXISTING CLIPS AND HARDWARE. REPLACE ALL SPLIT LOCKING WASHERS WITH NEW.



PROPOSED

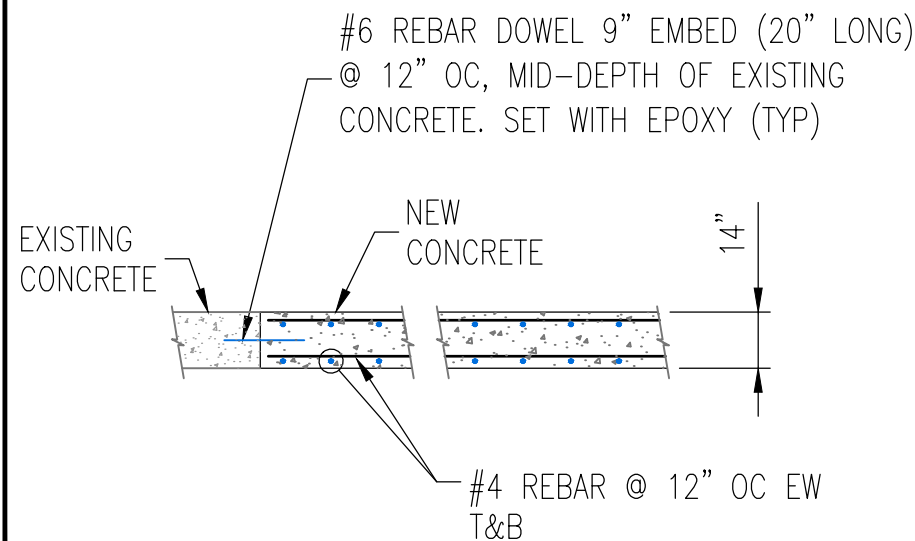
SECTION C

SCALE: 1/4" = 1'-0"



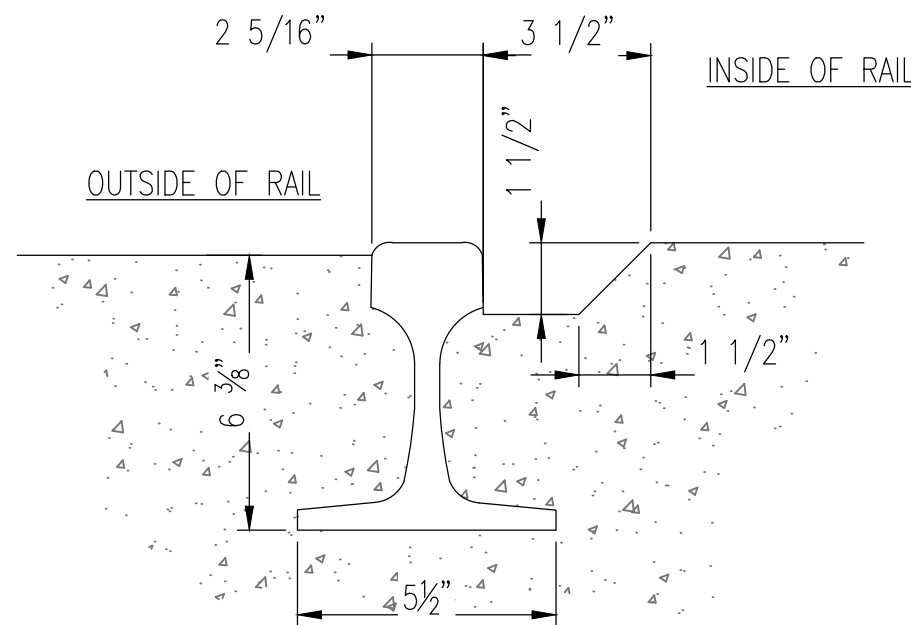
DETAIL D

SCALE: 1/2" = 1'-0"



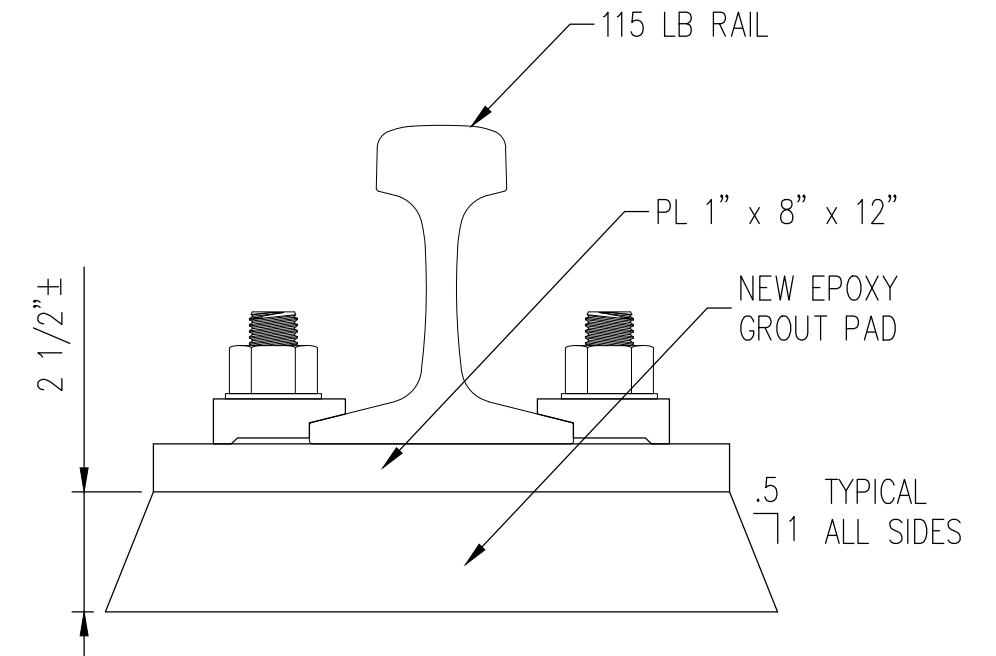
TYPICAL REBAR DETAIL

SCALE: 1/4" = 1'-0"




TYPICAL FLANGEWAY DETAIL

SCALE: 3" = 1'-0"



TYPICAL GROUT PAD DETAILS

SCALE: N.T.S.

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APPROVED BY:		