


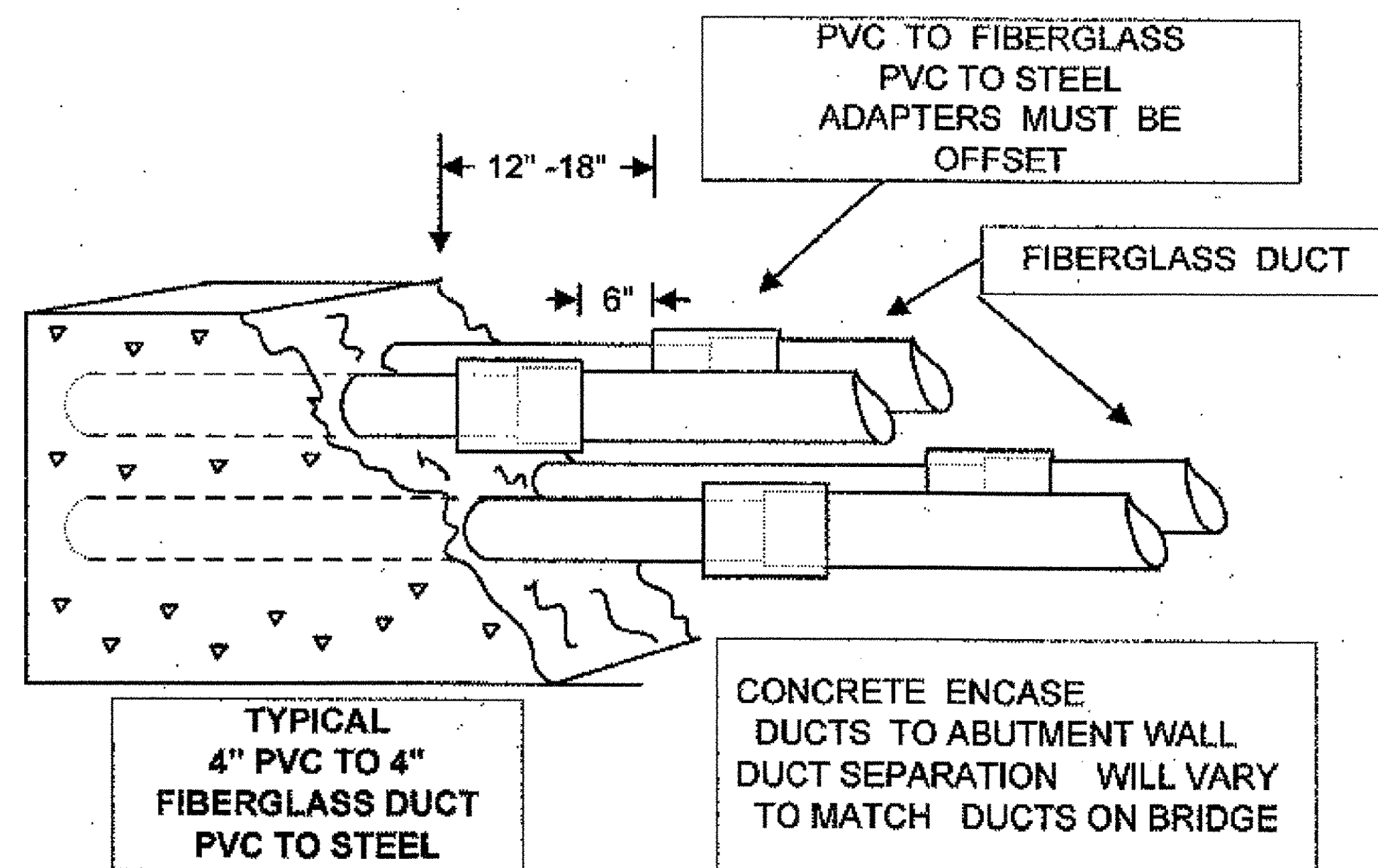
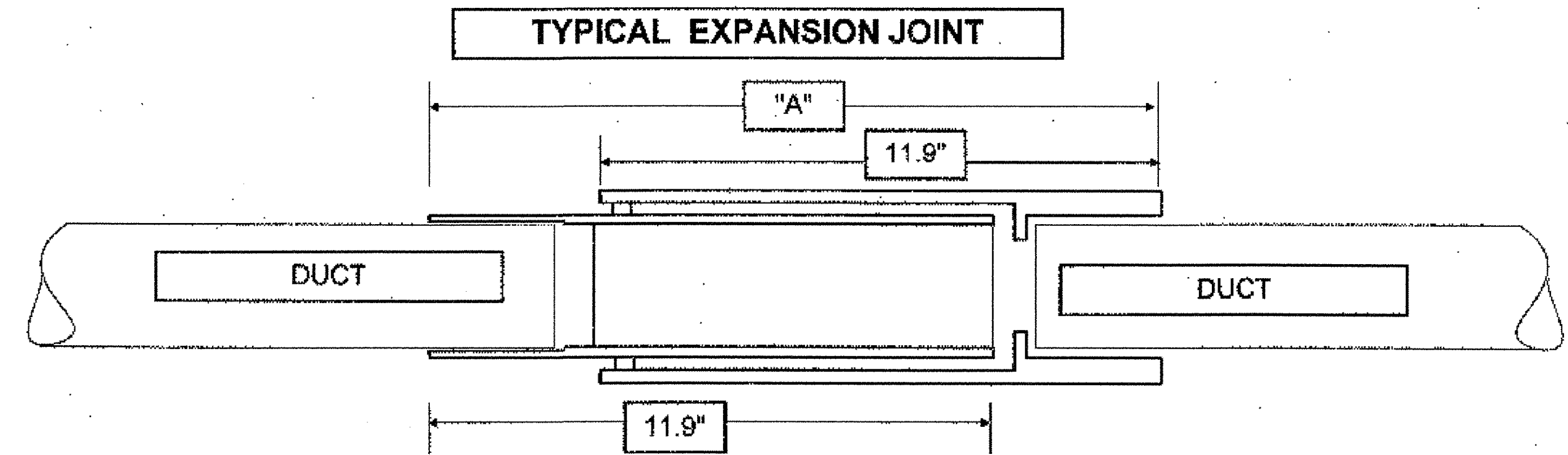
GENERAL NOTES:

1. THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL NATIONALLY ACCEPTED SAFETY PRACTICES.
2. THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL LOCAL, STATE, FEDERAL AND VERIZON REGULATIONS.
3. THE DESIGN CABLE LOAD IS 8.14 POUNDS PER FOOT FOR EACH OF SIX DUCTS. THE TOTAL CONDUIT AND HANGER LOAD AT EACH SUPPORTS 852 LB.. BASED ON A NOMINAL SPACING OF 12 FEET.
4. THE CONTRACTOR MUST LOCATE AND PROTECT ALL EXISTING BURIED CABLES DURING EXCAVATION ON BRIDGE APPROACHES.
5. SPECIFIED FIBERGLASS CONDUIT AMERICAN U-TEL
 - A. 4" DIAMETER FIBERGLASS DUCTS WITH THREADED JOINTS WITH 3000 LB.. PULLOUT STRENGTH.
 - B. ULTIMATE TENSILE STRENGTH 10,000 PSI PER ASTM D-2105.
 - C. 4" IPS 4.5" OUTSIDE DIAMETER x 4.36" INSIDE DIAMETER x 30 FT LENGTHS.
 - D. CAPABLE OF HANGER SUPPORT SPANS OF 17.2" FOR 8 LBS.PER FT. CABLE BASED. ON LESS THAN 5/8" MIDSPAN DEFLECTION.
6. ALL DRAWINGS ARE BASED ON AVAILABLE CONTRACT DRAWINGS WHICH MAY VARY FROM ACTUAL AS-BUILT CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL PERTINENT DIMENSIONS BEFORE FABRICATION OR INSTALLATION.
7. CONDUIT DRAINAGE. THE CONTRACTOR SHALL INSURE THAT ALL CONDUITS ARE SLOPED TO PROVIDE DRAINAGE FROM THE BRIDGE GRADE BEAM TO THE FIRST MANHOLE ON EITHER SIDE OF THE BRIDGE.
8. GASKETED EXPANSION JOINTS MUST BE PRESET FOR THE AMBIENT TEMPERATURE AT THE TIME OF INSTALLATION. (SEE RIGHT)
9. ALL CONDUIT ON BRIDGE APPROACHES IS TO BE CONCRETE ENCASED WITH A MINIMUM OF 2" OF CONCRETE ON TOP, BOTTOM, AND SIDES. DUCTS WILL BE SEPARATED BY 1" OF CONCRETE.

PROJ# 7AA08E

	SAFETY NOTES:		MOD/REV NO	DATE	EWO NO. 0
	Heavy traffic				PRINT 3 OF 0
	SIGNATURE: <i>T. Bushey</i>				PREPARED BY:
	DATE: 2/10/2006				T.H.BUSHEY
CVPS	PRE CT	YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>	TYPE	RECORD REF:	RNDH
	PRIMARY VOLTAGE TO GROUND		AERIAL	1 & 1-1	C. O. /EXCHANGE NAME:
	7.2 KV MGN SYSTEM		CONDUIT	3 & 5	C. O. /EXCHANGE CODE:
CABLE PRESS	UNDER PRESS	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	BUFFER	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	MANIFOLD LOCATION MH# NA
TRANSMISSION	26 GA LIMIT	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	AMT. BRIDGE TAP		NA KF

REVISED 2/24/2006



PRESET LENGTH "A" BASED ON AMBIENT TEMPERATURE"	
TEMPERATURE (degree)	LENGTH
-20 F.	19.4"
0 F.	18.8"
20 F.	18.3"
40 F.	17.7"
60 F.	17.1"
80 F.	16.5"
100 F.	15.9"

UTILITY - TELEPHONE DUCTS ON BRIDGE

PROJECT NAME:	RANDOLPH
PROJECT NUMBER:	BRF 024(29)
FILE NAME: /88J096/SJ096UTILITYRASTERS.DGN	PLOT DATE: 29-AUG-2006
PROJECT LEADER: W. SYMONDS	DRAWN BY: G. SHANGRAW
DESIGNED BY: VERIZON, INC.	CHECKED BY: T. SUMNER
sj096verizon4j	SHEET 96 OF 135