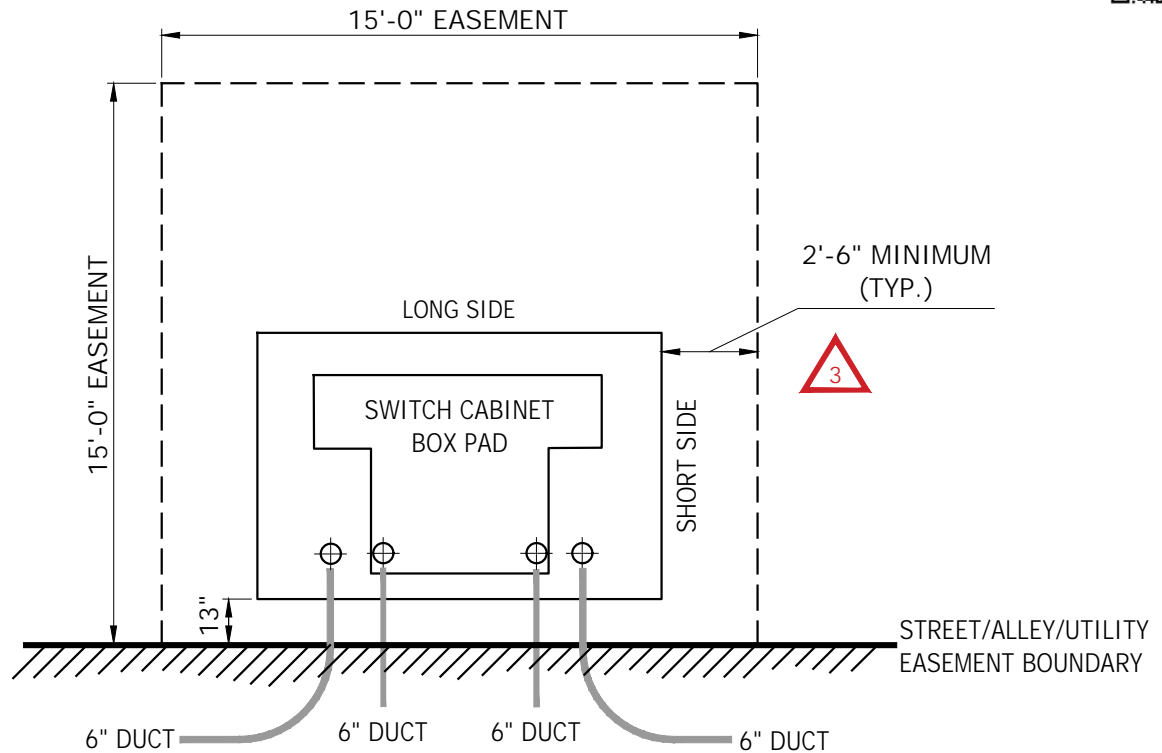




EXCAVATION AND DUCT PLACEMENT FOR GAS INSULATED SWITCHGEAR BOX PAD (VISTA)



EQUIPMENT PLACEMENT IN TYPICAL EASEMENT

NOTES:

1. ALL DUCTS REQUIRE 3 INCH MINIMUM / 6 INCH MAXIMUM CONCRETE CAP WITHIN 10 FEET OF SWITCH CABINET BASE, AS SHOWN ON PAGE 2.
2. PRIOR TO SETTING THE SWITCH CABINET BASE, THE BOTTOM OF THE EXCAVATION SHALL CONSIST OF A MINIMUM OF 3 INCHES OF SUITABLE MATERIAL GRADED LEVEL AND COMPACTED TO A MINIMUM RELATIVE DENSITY OF 95% RELATIVE TO A STANDARD PROCTOR DENSITY (ASTM D698) OF MAXIMUM AT OPTIMUM MOISTURE CONTENT. SUITABLE BACKFILL SHALL BE PLACED IN 6 INCH LIFTS TO GRADE. EACH LIFT SHALL BE COMPACTED TO A MINIMUM RELATIVE DENSITY OF 95% RELATIVE TO A STANDARD PROCTOR DENSITY (ASTM D698) MAXIMUM AT OPTIMUM MOISTURE CONTENT.


3. SWITCHGEAR BOX PAD APPROVED MANUFACTURERS:

CONCAST INC. CATALOG NO. 422 BASE: FC-69-83-36-V

550 BASE: FC-69-106-36-V



CONTACT BORDER STATES ELECTRIC FOR PURCHASE OF BASE.

4. CUSTOMER TO PROVIDE AND INSTALL (2) 5/8" X 8'-0" GROUND RODS PRIOR TO CONCRETE BEING POURED. THE TOP 12 INCHES OF THE ROD SHALL EXTEND ABOVE SUB-GRADE. THE FIELD TECH SHALL PROVIDE THE PLACEMENT LOCATION.
 5. DUCT SHOWN FOR REFERENCE ONLY. FOR EXACT LOCATION AND DUCT SIZE (INCLUDING SWEEPS FOR FUTURE DUCT), SEE CONSTRUCTION DRAWING PREPARED BY THE COMPANY.
-  FUTURE DUCT SWEEPS ARE TO EXTENDED ONE FOOT BEYOND THEIR CONCRETE ENCASEMENT FOR FUTURE ATTACHMENT.
6. SEE PAGES 3 AND 4 FOR CONDUIT AND BASE DETAILS. DUCT TO ENTER FROM THE STREET SIDE OR LONG SIDE OF THE BOX.



Tucson Electric Power



INITIATED BY

MRH

REVISION NO.

3

ESR COMM.

7-12

ESR COMM.

2-24

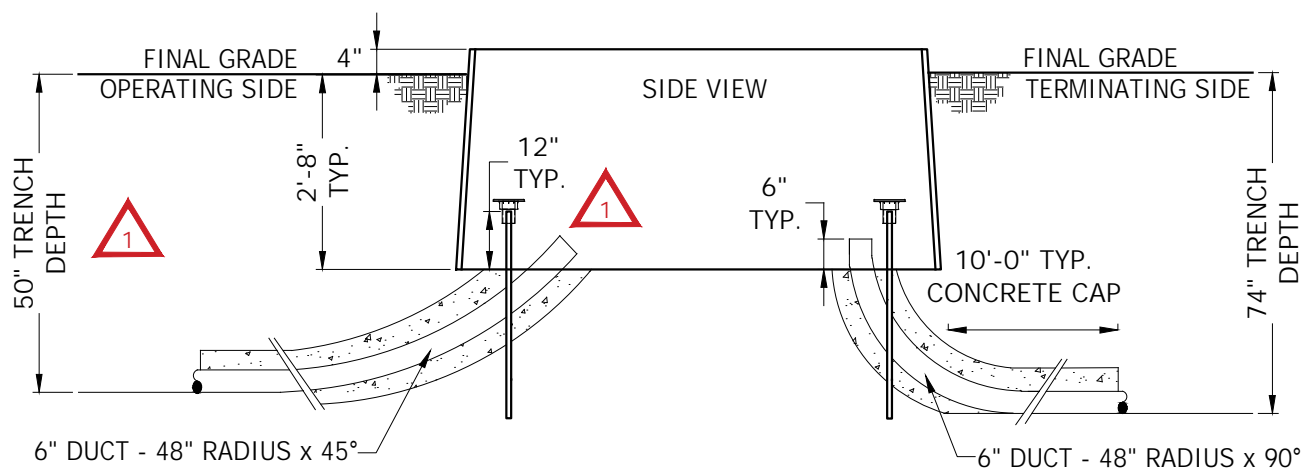
EFFECTIVE DATE

2-24

SR-242



Pg. 1 of 4

**EXCAVATION AND DUCT PLACEMENT FOR GAS
INSULATED SWITCHGEAR BOX PAD (VISTA)**



DUCT LOCATION WHEN LEAVING TOWARD STREET/ALLEY/UTILITY EASEMENT

NOTE:
QUANTITY AND PLACEMENT OF CONDUITS WILL BE DETERMINED BY SERVICE PROVIDER'S DESIGN SERVICES.

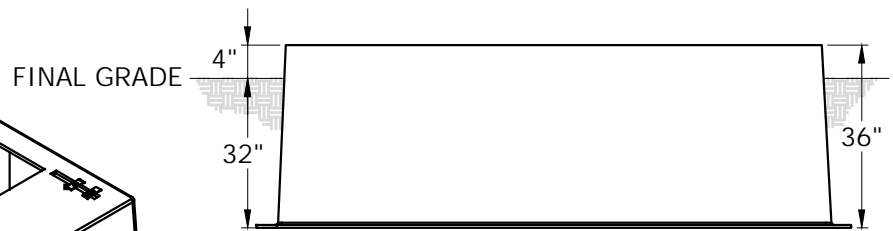
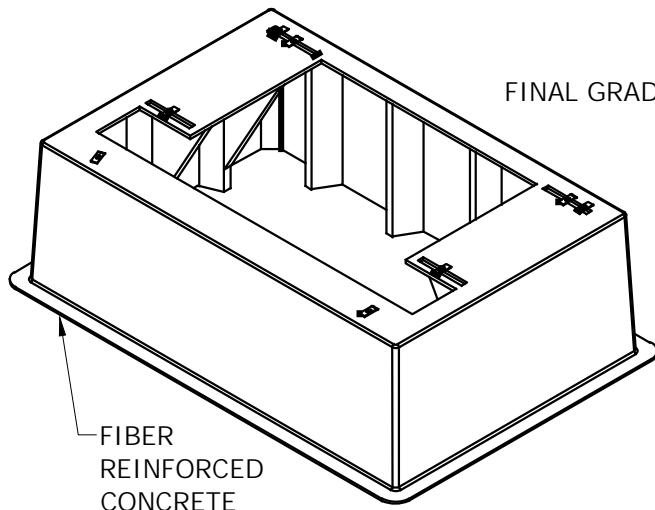
 Tucson Electric Power	 SANTA CRUZ COUNTY	INITIATED BY	MRH	REVISION NO.	1	SR-242 Pg. 2 of 4
		ESR COMM.	7-12	ESR COMM.	2-24	
				EFFECTIVE DATE	2-24	



EXCAVATION AND DUCT PLACEMENT FOR GAS INSULATED SWITCHGEAR BOX PAD (VISTA)



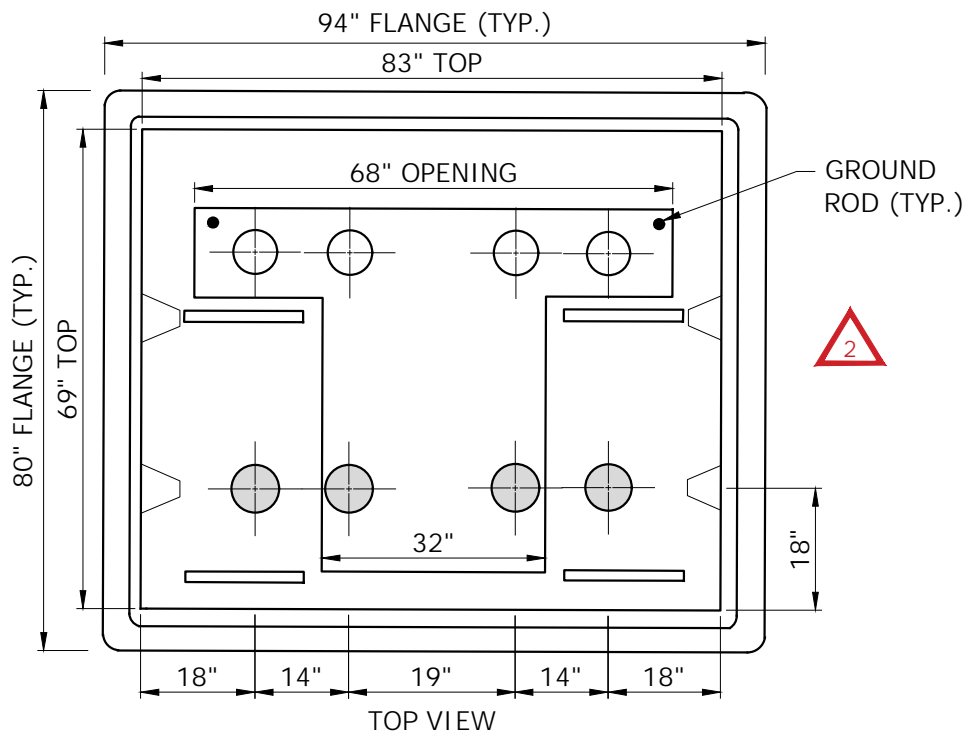
422 BOX PAD



SIDE VIEW

4" FLANGE

APPROVED BOX PAD
CONCAST CATALOG NO.
FC-69-83-36-V



TOP VIEW

NOTES:

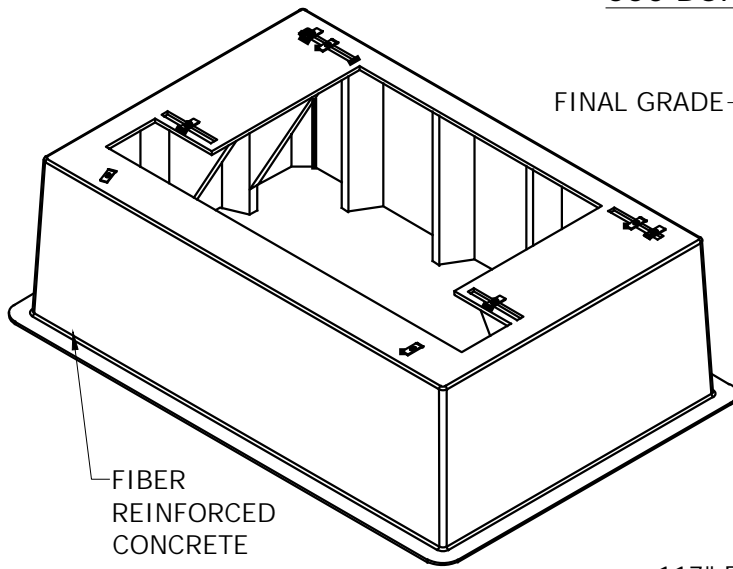
1. SERVICE PROVIDER'S DESIGN SERVICES TO DETERMINE QUANTITY AND PLACEMENT OF CONDUITS.
2. SHADED DUCT IS PREFERRED LOCATION FOR 48" x 45° SWEEPS.
3. RIGHT SIDE POSITIONS ARE DESIGNATED FOR FAULT INTERRUPTION.
4. BOX PAD FITS THE FOLLOWING SWITCHGEAR ENCLOSURE SIZES: 61" X 72", 65" x 72" AND 65" x 79".
5. MINIMUM SUBGRADE EXCAVATION DIMENSION IS 32 INCHES.
6. CONTRACTOR TO SCHEDULE A CONDUIT PLACEMENT MEETING WITH DESIGN SERVICES PRIOR TO INSTALLATION.



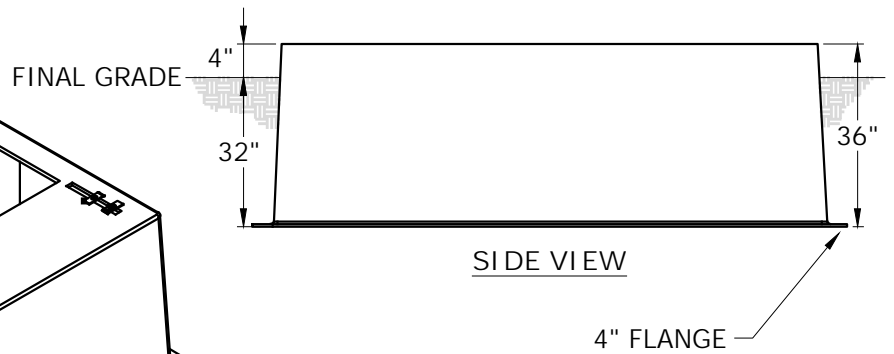
EXCAVATION AND DUCT PLACEMENT FOR GAS INSULATED SWITCHGEAR BOX PAD (VISTA)



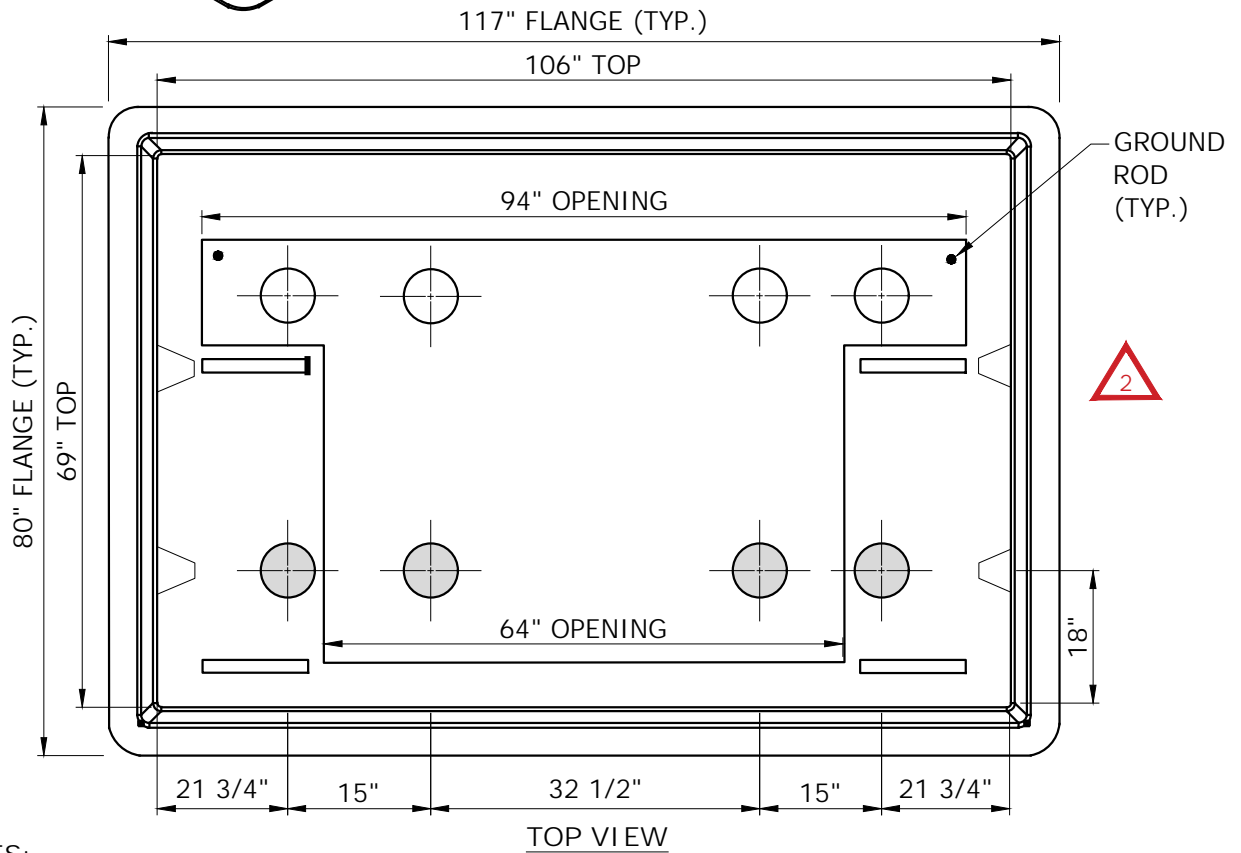
550 BOX PAD



FIBER
REINFORCED
CONCRETE



APPROVED BOX PAD:
CONCAST CATALOG NO.
FC-69-106-36-V



NOTES:

1. SERVICE PROVIDER'S DESIGN SERVICES TO DETERMINE QUANTITY AND PLACEMENT OF CONDUITS.
2. SHADED DUCT IS PREFERRED LOCATION FOR 48" x 45° SWEEPS.
3. RIGHT SIDE POSITIONS ARE DESIGNATED FOR FAULT INTERRUPTION.
4. BOX PAD FITS THE FOLLOWING SWITCHGEAR ENCLOSURE SIZES: 61" x 102" AND 65" x 102.
5. MINIMUM SUBGRADE EXCAVATION DIMENSION IS 32 INCHES.
6. CONTRACTOR IS TO SCHEDULE A CONDUIT PLACEMENT MEETING WITH DESIGN SERVICES PRIOR TO INSTALLATION.