



DUCTBANK LEGEND

MV-SES-1A - MVPMSW-1	EXISTING RACEWAY WITH FEEDERS AS INDICATED
MV-SES-1A - T-4, T-31	EXISTING FEEDERS REMOVED, RACEWAY IS NOW SPARE
SPARE MV-SES-A - MVPMSW1	SPARE RACEWAY WITH NEW FEEDERS AS INDICATED.
SPARE	SPARE RACEWAY

- Key Notes** (X) INDICATES KEY NOTE ON ES-100 OR ES-101.
- RELOCATE EXISTING TRANSFORMER TO NEW LOCATION AS INDICATED.
 - ALTERNATE #2 - REMOVE EXISTING TRANSFORMER AND PROVIDE NEW UPGRADED FM APPROVED, FR-3 FLUID-FILLED TRANSFORMER IN EXISTING LOCATION.
 - PROVIDE NEW TRANSFORMER TO REPLACE EXISTING AT NEW LOCATION AS INDICATED. SEE KEYNOTE 15 FOR ALTERNATE.
 - NEW RACEWAYS SERVING SWITCHBOARDS AND SWITCHGEAR IN BASEMENT ELECTRICAL ROOMS. SEE SHEET ES-103 FOR LOCATIONS OF EQUIPMENT SERVED. FEEDERS MAY BE ROUTED IN RGS OR IMC IN CRAWL SPACE BELOW.
 - NEW DUCTBANKS SERVING TRANSFORMER MV PRIMARY FEEDERS. SEE SINGLE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
 - PROVIDE DUCTBANKS WITH SPARE 5" C. TO SERVE FUTURE SPS/SPD.
 - ALTERNATE #1 - ROUTE FOR MV FEEDER SERVING ESS TRANSFORMER 'NT1F'. PROVIDE (5) SPARE 5" C. IN DUCTBANK. PROVIDE MANHOLES AS INDICATED.
 - INTERCEPT EXISTING DUCTBANK AND EXTEND AS NOTED.
 - VERIFY EXISTING UTILITIES AND ADD MANHOLE AS INDICATED.
 - PROVIDE NEW MANHOLE TO INTERCEPT EXISTING DUCTBANK, WHICH CURRENTLY CROSSES AT BASEMENT CORRIDOR CEILING AND RE-ROUTE BELOW BASEMENT CORRIDOR. INTERCEPT AND RECONNECT TO EXISTING DUCTBANK AT MANHOLE SOUTH OF CORRIDOR.
 - PROVIDE NEW TRANSFORMER AS INDICATED. STUB (2) SPARE 5" RACEWAYS 20' NORTH. COORDINATE WITH VA COTR FOR EXACT LOCATION.
 - INTERCEPT EXISTING FEEDER SERVING 'NT1E' AND SPLICE TO FEEDER SERVING 'NT1F'. 'NT1E' TO BE SERVED BY NEW DEDICATED TRANSFORMER.
 - PROVIDE STEP-UP TRANSFORMER TO SERVE BUILDING 31 EES PANEL 31GPEH1.
 - NOT USED.
 - NOT USED.
 - ALTERNATE #5 - REPLACE EXISTING MV FEEDER PULLBOX WITH NEW MANHOLE CONFORMING WITH VA STANDARDS.
 - PROVIDE SPARE 5" C. STUBBED FROM MV-SES-1A TO EXISTING T-CW PAD FOR FUTURE EXTENSION TO TRANSFORMER.
 - NOT USED.
 - MANHOLE LOCATION AND DUCTBANK ROUTING ARE DIAGRAMMATIC. TO BE CONFIRMED WITH VA TO COORDINATE WITH SEPARATE ED EXPANSION PROJECT.
 - CONTRACTOR SHALL ENGAGE AN UNDERGROUND UTILITY LOCATION SERVICE TO MAP UNDERGROUND UTILITIES IN DRIVE AISLE WEST OF BLDG 1 AND 2 FROM BLDG 2 TO BLDG 8. PROVIDE VA WITH ACCURATE PLANS DEPICTING ALL BURIED UTILITIES AND COORDINATE TO ADJUST ROUTING AS REQUIRED.
 - ROUTE TRANSFORMER SECONDARY DUCTBANK TO SOUTH END OF AREA WELL AND CAP FOR FUTURE EXTENSION.
 - CONFIRM ROUTING AND TERMINATION POINT WITH VA COTR.
 - CONTRACTOR SHALL ENGAGE AN UNDERGROUND UTILITY LOCATION SERVICE TO MAP UNDERGROUND UTILITIES IN YARD NORTH OF BLDG 13. USE VA SUPPLIED UNDERGROUND DUCT PLANS, AND CAREFULLY EXCAVATE. ADJUST ROUTING AS MAY BE REQUIRED.
 - PROVIDE WALL MOUNTED LED WALL PACK MOUNTED, ONE ABOVE EACH ENCLOSURE DOOR WITH THREE WAY SWITCH. COOPER #1ST-8021 LED-E1-BLUBK. CONNECT TO CIRCUIT TO BFP-2.
 - PROVIDE (1) 6" C. AND (1) 1" C. FROM SWITCHGEAR SHOWN AND EXTEND TO AREA INDICATED FOR FUTURE EXTENSION TO MV GEAR UNDER A FUTURE PROJECT.
 - EXTEND (1) 5" C. NORTH 10' FROM EACH REMAINING SPARE CUBE IN MV-SES-1A. THREE ARE ANTICIPATED.
 - PROVIDE (1) 5" C. AND (1) 1" C. FOR FUTURE ADDITION OF CAPACITOR BANK.
 - ALTERNATE #12 - PROVIDE TRENCHING, MANHOLES AND RACEWAYS AS INDICATED. NOTE: UNDER BASE BID, THIS WORK WILL BE PERFORMED UNDER A SEPARATE PROJECT. CONTRACTOR WILL NEED TO COORDINATE WITH OTHER CONTRACTOR FOR INTERCEPTING RACEWAYS AND MANHOLES.
 - NEW LOCATION FOR RELOCATED STORAGE CONTAINER.
 - RELOCATED STORAGE CONTAINER NO. 2 TO BE LOCATED IN LANDSCAPING AREA SOUTH OF DRIVE TO 3RD ST, APPROXIMATELY 630' WEST.

1 OVERALL ELECTRICAL SITE PLAN - NORTH
1" = 30'-0"

CONSULTANT: 	CONSULTANT: Westlake Reed Leskosky One East Camelback Road Suite 690 Phoenix, Arizona 85012 www.WRLdesign.com	ARCHITECT/ENGINEERS: 11021 SOUTH PIKES PEAK DRIVE #202 PARKER, COLORADO 80138 PH: 303.842.3922 WWW.AES-GRP.COM	Drawing Title OVERALL ELECTRICAL SITE PLAN - NORTH	Project Title SITE ELECTRICAL DISTRIBUTION UPGRADE	Project Number 644-13-015 / 644-14-003	Office of Construction and Facilities Management
			Approved Project Director	Location PHOENIX, AZ	Building Number 1, 8, 16, 21, 31	
ADDENDUM NO. 1 08/18/2015 Revisions:	Date	Date 03-06-2015	Checked	Drawn	Dwg. -- of 49	