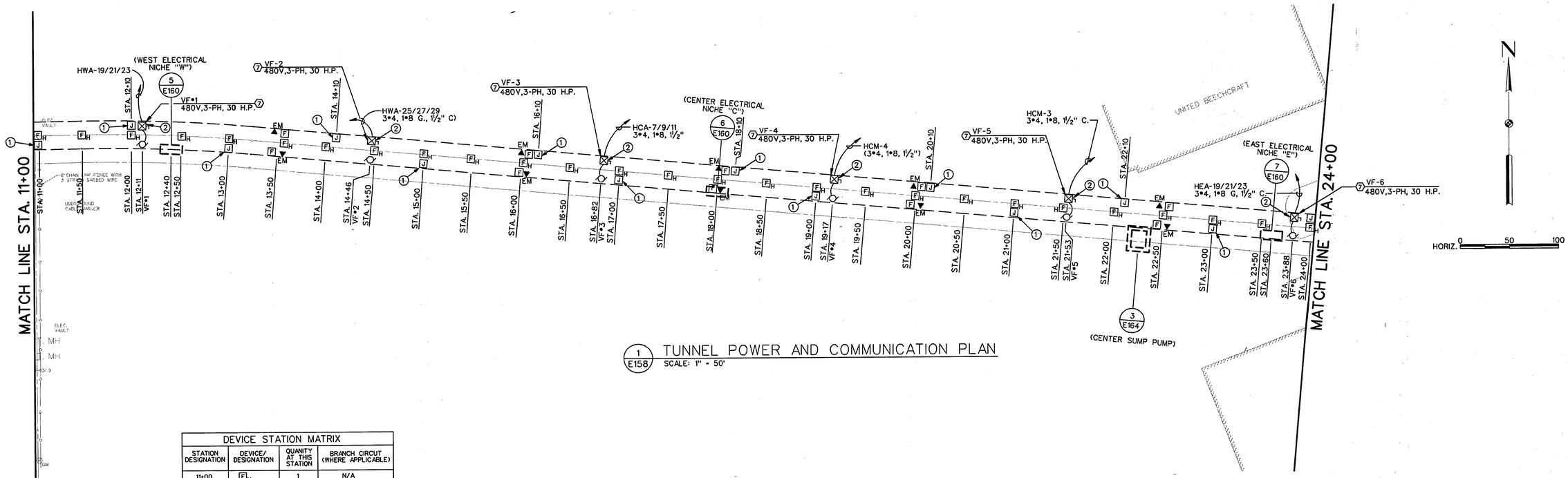

1/E158 TUNNEL POWER AND COMMUNICATION PLAN
SCALE: 1" = 50'

DEVICE STATION MATRIX			
STATION DESIGNATION	DEVICE/ DESIGNATION	QUANITY AT THIS STATION	BRANCH CIRCUT (WHERE APPLICABLE)
11+00	FH	1	N/A
11+50	FH	1	N/A
12+00	FH	1	N/A
12+50	FH	1	N/A
13+00	FH	1	N/A
13+50	F	2	N/A
13+50	EM	2	N/A
13+50	FH	1	N/A
14+00	FH	1	N/A
14+50	FH	1	N/A
15+00	FH	1	N/A
15+50	FH	1	N/A
16+00	F	2	N/A
16+00	EM	2	N/A
16+00	FH	1	N/A
16+50	FH	1	N/A
17+00	FH	1	N/A
17+50	FH	1	N/A
18+00	F	2	N/A
18+00	EM	2	N/A
18+00	FH	1	N/A
18+50	FH	1	N/A
19+00	FH	1	N/A
19+50	FH	1	N/A
20+00	F	2	N/A.
20+00	EM	2	N/A
20+00	FH	1	N/A
20+50	FH	1	N/A
21+00	FH	1	N/A
21+50	FH	1	N/A
22+00	FH	1	N/A
22+50	F	2	N/A
22+50	EM	2	N/A
22+50	FH	1	N/A
23+00	FH	1	N/A
23+50	FH	1	N/A
24+00	FH	1	N/A

GENERAL NOTES:

A. IN GENERAL, DEVICE SPACING BEGINS AT BOTH THE EAST AND WEST ENTRIES AND PROGRESSES TOWARDS THE TUNNEL MID-POINT: DEVICE LOCATIONS SHALL BE AS INDICATED. REFERENCE MECHANICAL DRAWINGS FOR STATION LOCATIONS OF MECHANICAL EQUIPMENT AND DEVICES.

B. SEE DETAIL 2/E165, "TYPICAL TUNNEL CONDUIT SYSTEM DETAIL" FOR GENERAL CONDUIT ROUTING/CIRCUITING INFORMATION.

C. FIRE ALARM SYSTEM DEVICES, EMERGENCY TELEPHONE SYSTEM DEVICES AND CARBON MONOXIDE (CO) SYSTEM DEVICES SHALL BE PROVIDED WITH APPROPRIAT JUNCTION-BOXES/BACK-BOXES AND CONDUIT AS REQUIRED.

D. REFERENCE SHEET E161 FOR BRANCH CIRCUIT/FEEDER SCHEDULE AND MOTOR FEEDER SCHEDULE FOR RESPECTIVE DESIGNATIONS SHOWN ON THIS DRAWING.

E. INFORMATION/LOCATION OF EXISTING UTILITIES ON RELATED APPURTENANCES PROVIDED IN THESE DRAWINGS HAVE BEEN TAKEN FROM DESIGN DRAWINGS AND FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS (ABOVE AND BELOW GRADE) AND LOCATION OF ALL EXISTING APPURTENANCES PRIOR TO PRICING AND COMMENCEMENT OF WORK.

F. CONTRACTOR SHALL ASCERTAIN LOCATION, DIMENSIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION REQUIRED FOR INSTALLATION OF NEW SYSTEMS.

G. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY ELECTRICAL APPURTENANCES (JUNCTION AND PULL BOXES, ETC.) NECESSARY FOR PROPER INSTALLATION OF ELECTRICAL APPURTENANCES, CONDUITS AND EQUIPMENT.

KEY NOTES:

(1) CARBON MONOXIDE (CO) SENSOR/DETECTOR PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR: FURNISH AND INSTALL JUNCTION-BOX/BACK-BOX AND CONDUIT RACEWAY SYSTEM AS REQUIRED (STANDARD 4" J-BOXES INTER-CONNECTED BY 1" CONDUIT WITH PULL-WIRE MINIMUM AND EXTENDED TO 'CO' PANEL LOCATED AT ELECTRICAL ROOM): SEE MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

(2) COMBINATION MOTOR STARTER PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

STATE OF TEXAS
LEOPOLDO F. RIOS
58272
REGISTERED PROFESSIONAL ENGINEER
9/9/97

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LEOPOLDO F. RIOS, P.E., 58272 ON SEPTEMBER 9, 1996

FINAL RECORD DRAWING
Date: 12/25/99

No.	REVISION	BY	DATE

TEXAS TURNPIKE AUTHORITY

ADDISON AIRPORT TUNNEL

TUNNEL POWER AND COMMUNICATION PLANS

HDR HDR Engineering, Inc.

SECTION XIII

DRAWN: WTD DATE: 12/05/96 DESIGNED: LR DATE: 08/28/96
CHECKED: BL DATE: 08/28/96 SCALE: 1"= 50'

CONTRACT No. DNT-260 SHEET E158 OF 166

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