

PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② SEE CROSSOVER ENLARGED PLAN, ON SHEET T-E-113 FOR WORK IN THIS AREA.
- ③ REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500.
- ④ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER SUPPLY WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ⑤ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION (BUILDUP). WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL (SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
- ⑥ PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 43224, EXPIRATION DATE 04-14-2015.

FINAL CONTRACT NO. FQ15093

DESIGNED	K. IBRAHIM	01/30/15
DRAWN	V. BHALLA	01/30/15
CHECKED	A. FISHEL	01/30/15
APPROVED	J. PURDY	01/30/15

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS	
NUMBER	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

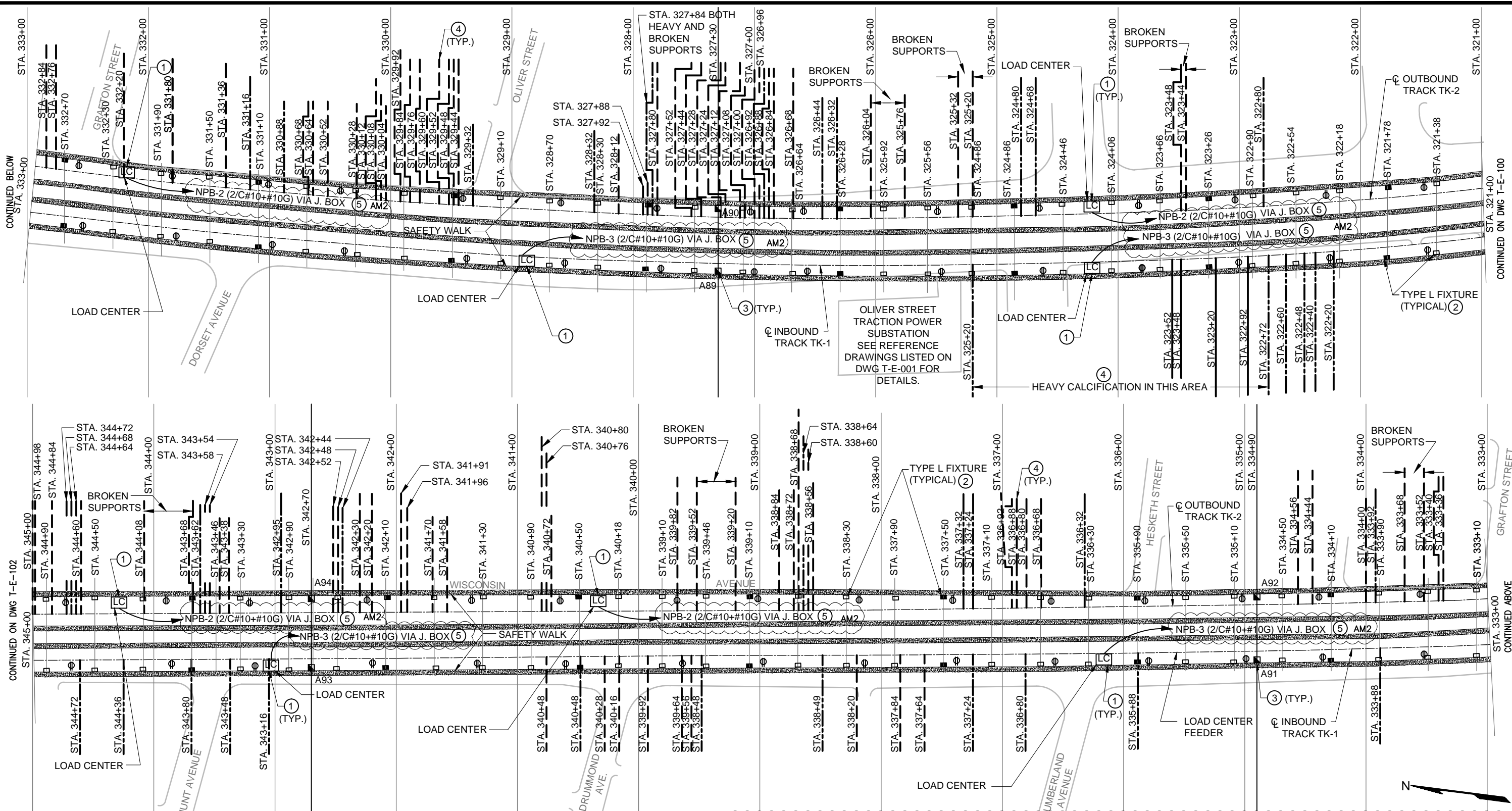
GFP A Gannett Fleming/Parsons JOINT VENTURE

APPROVED _____ SUBMITTED _____ PROJECT MANAGER

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1
ELECTRICAL PLAN SHEET 1 OF 14
 STA 308+00 TO 321+00

SCALE 1"=40'

DRAWING NO. T-E-100 SHEET NO. M1272-054



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500
- ③ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER SUPPLY WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ④ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
- ⑤ PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

DESIGNED			REFERENCE DRAWINGS			REVISIONS		
NUMBER	DESCRIPTION	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE
1	K. IBRAHIM	01/30/15						
2	V. BHALLA	01/30/15						
3	A. FISHEL	01/30/15						
4	J. PURDY	01/30/15						



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____ SUBMITTED _____ PROJECT MANAGER

FINAL CONTRACT NO. **FQ15093**

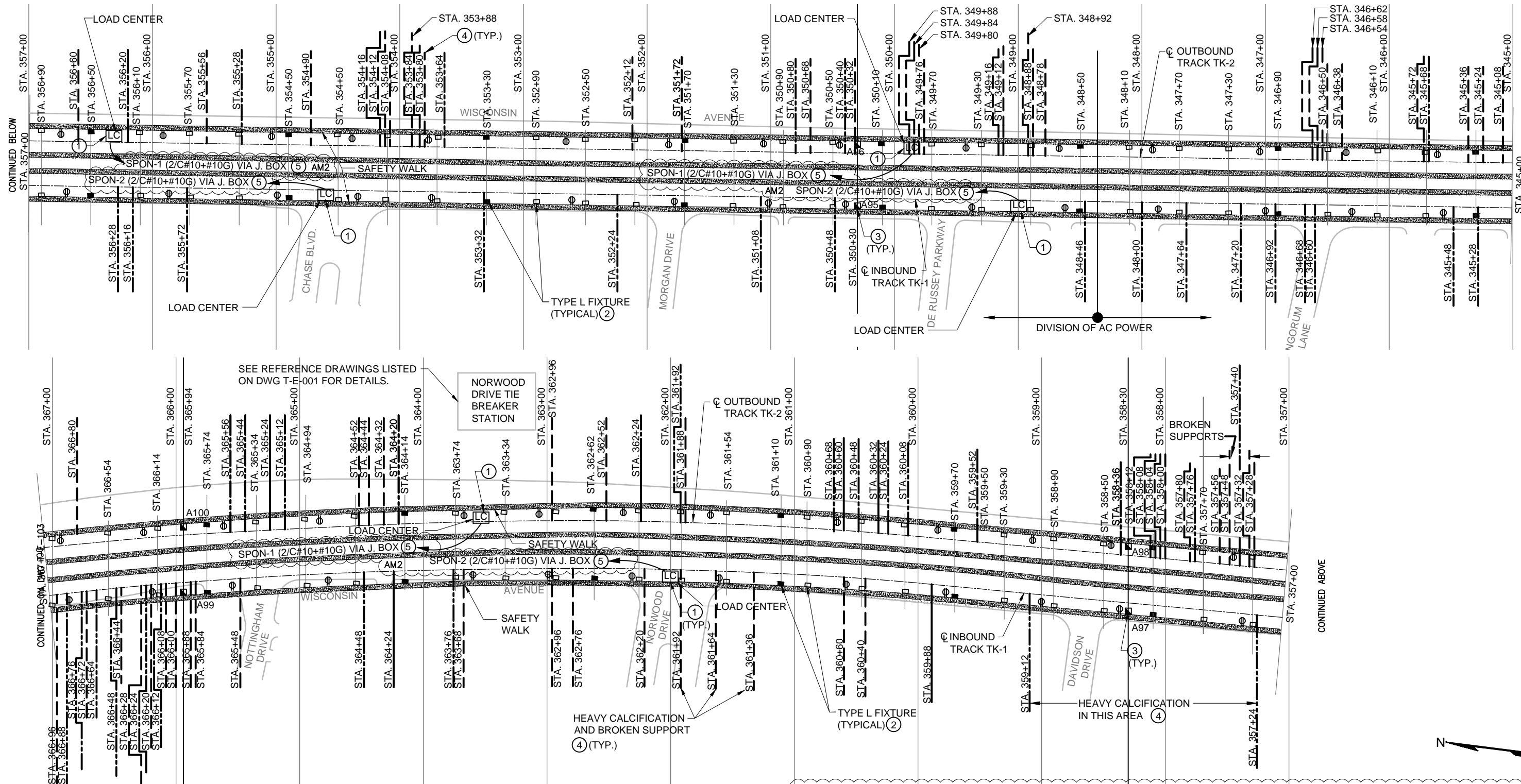
RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1

ELECTRICAL PLAN SHEET 2 OF 14
STA 321+00 TO 345+00

SCALE 1"=40'

DRAWING NO. **T-E-101** SHEET NO. **M1272-055**

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 43224, EXPIRATION DATE 04-14-2015.



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500

- ③ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER SUPPLY WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.

④ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.

⑤ PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

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DATE		
DRAWN	V. BHALLA	01/30/15
DATE		
CHECKED	A. FISHEL	01/30/15
DATE		
APPROVED	J. PURDY	01/30/15
DATE		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS		
DATE	BY	DESCRIPTION
06/15	K.I.	REVISED NOTES AM2



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
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APPROVED _____ SUBMITTED _____ PROJECT MANAGER

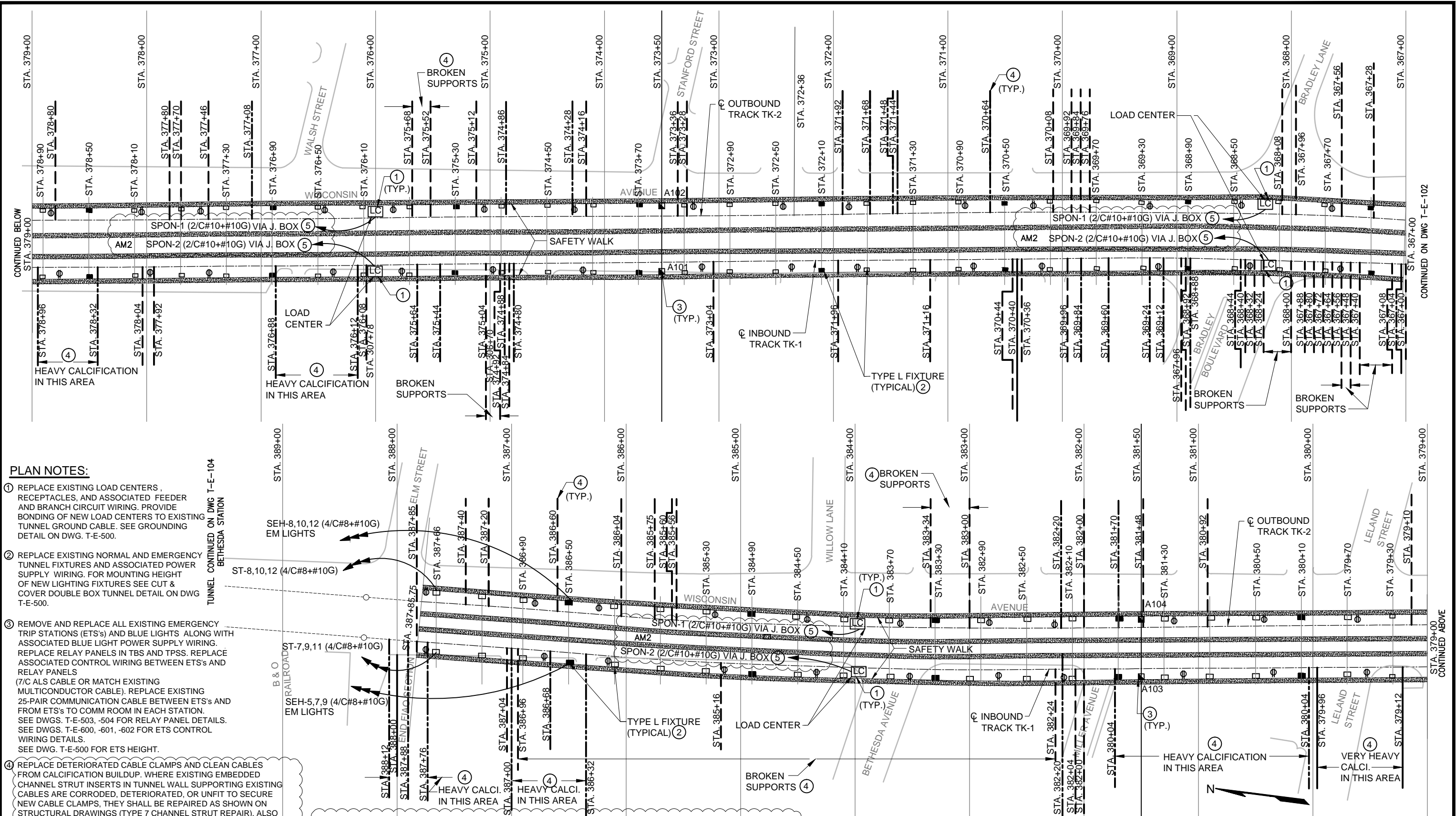
FINAL CONTRACT NO. **FQ15093**

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1

ELECTRICAL PLAN SHEET 3 OF 14
STA 345+00 TO 367+00

SCALE 1"=40'

DRAWING NO. **T-E-102** SHEET NO. **M1272-056**



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500.
- ③ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER SUPPLY WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ④ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.

⑤ PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

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DRAWN	V. BHALLA	01/30/15
CHECKED	A. FISHEL	01/30/15
APPROVED	J. PURDY	01/30/15

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS			
DATE	BY	DESCRIPTION	
06/15	K.I.	REVISED NOTES	AM2



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____

GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____ PROJECT MANAGER

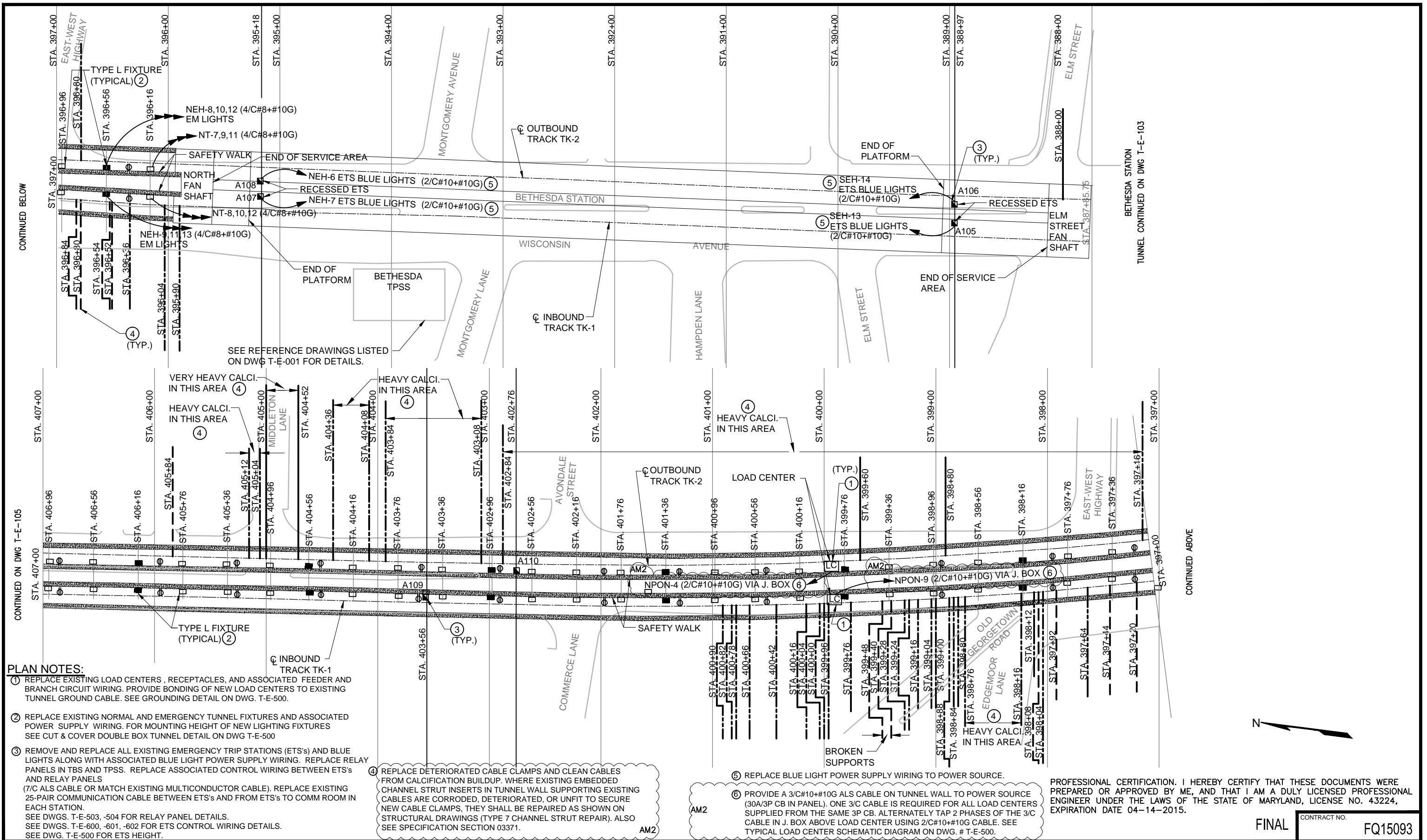
FINAL CONTRACT NO. FQ15093

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1

ELECTRICAL PLAN SHEET 4 OF 14
STA 367+00 TO 387+85

SCALE 1"=40'

DRAWING NO. T-E-103 SHEET NO. M1272-057



- PLAN NOTES:**
- REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
 - REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500
 - REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER SUPPLY WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
 - REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
 - REPLACE BLUE LIGHT POWER SUPPLY WIRING TO POWER SOURCE.
 - PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

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FINAL CONTRACT NO. FQ15093

DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	NUMBER	DESCRIPTION	DATE	BY
1	K. IBRAHIM	01/30/15					
2	V. BHALLA	01/30/15					
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4	J. PURDY	01/30/15					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
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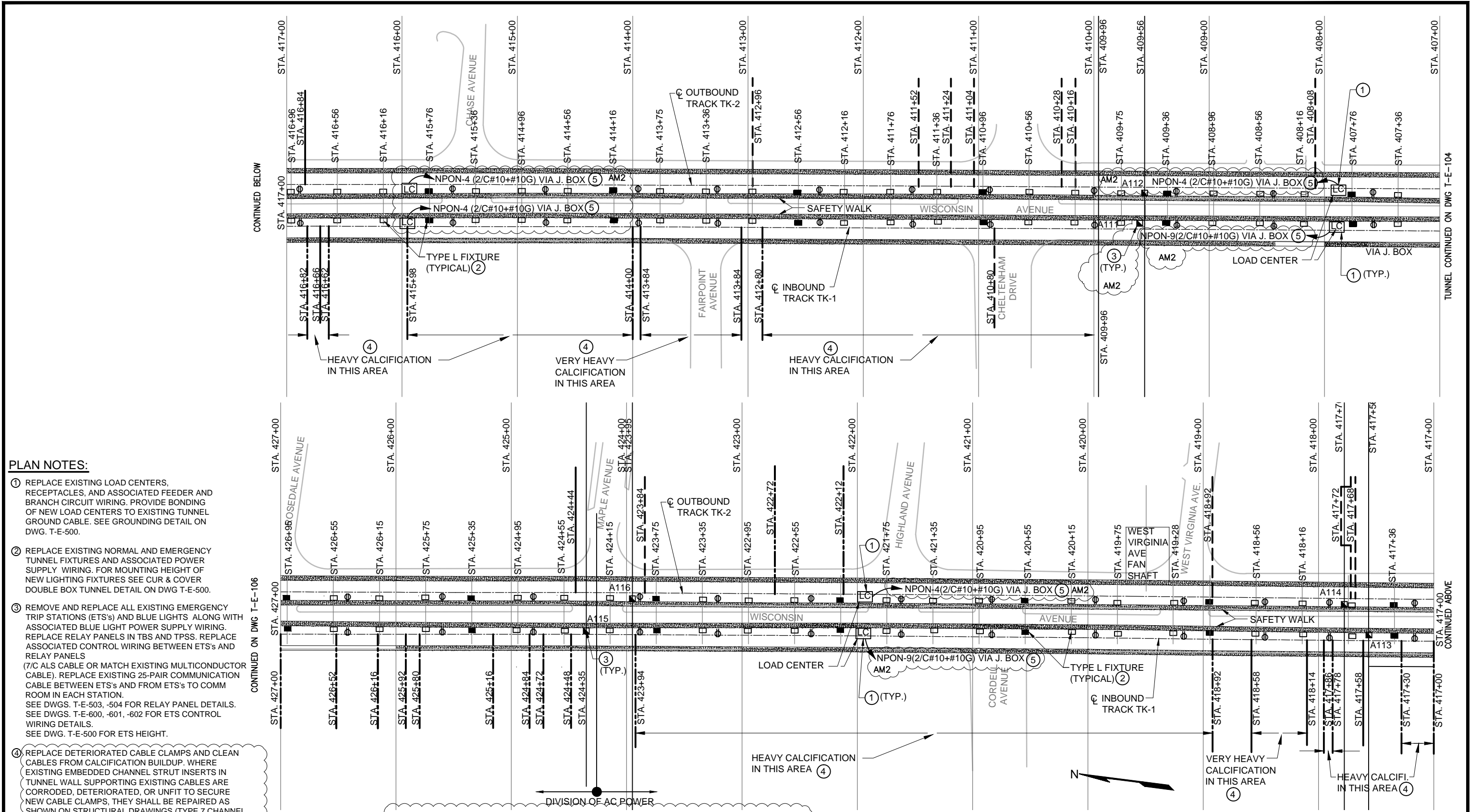
APPROVED _____ SUBMITTED _____ PROJECT MANAGER

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1

ELECTRICAL PLAN SHEET 5 OF 14
STA 396+00 TO 407+00

SCALE 1"=40'

DRAWING NO. T-E-104 SHEET NO. M1272-058



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUR & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500.
- ③ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER SUPPLY WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS
(7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION.
SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS.
SEE DWG. T-E-500 FOR ETS HEIGHT.
- ④ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.

⑤ PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P IN CB PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

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DRAWN	V. BHALLA	01/30/15
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APPROVED	J. PURDY	01/30/15

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS		
NUMBER	DATE	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____ SUBMITTED _____ PROJECT MANAGER

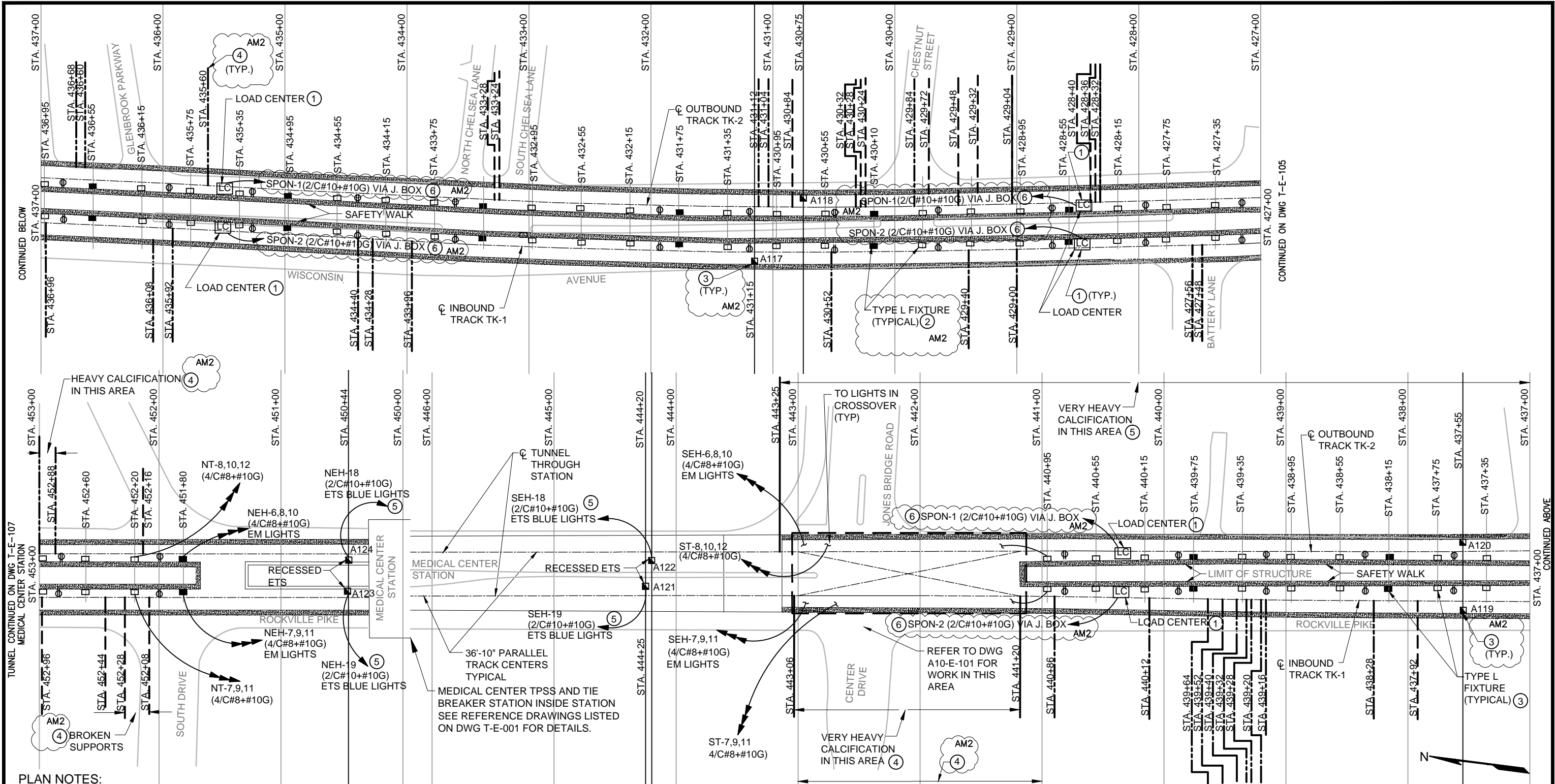
FINAL CONTRACT NO. FQ15093

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1

ELECTRICAL PLAN SHEET 6 OF 14
STA 407+00 TO 427+00

SCALE 1"=40'

DRAWING NO. T-E-105 SHEET NO. M1272-059



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500
- ③ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ④ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
- ⑤ REPLACE BLUE LIGHT POWER SUPPLY WIRING TO POWER SOURCE.
- ⑥ PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

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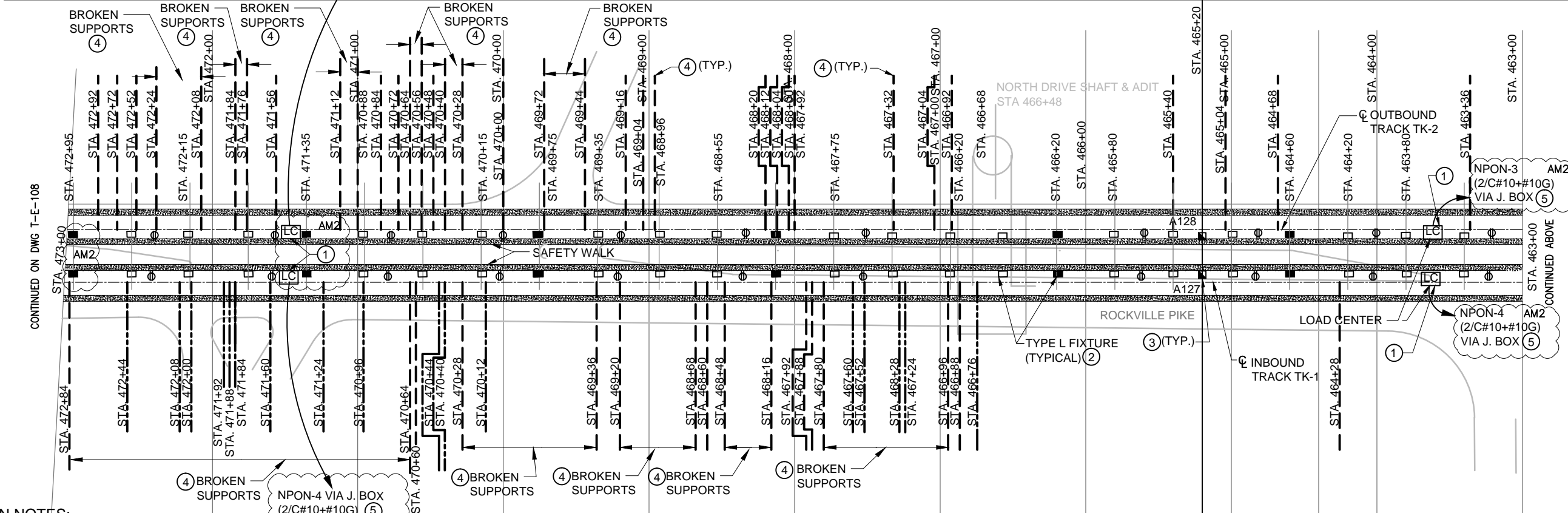
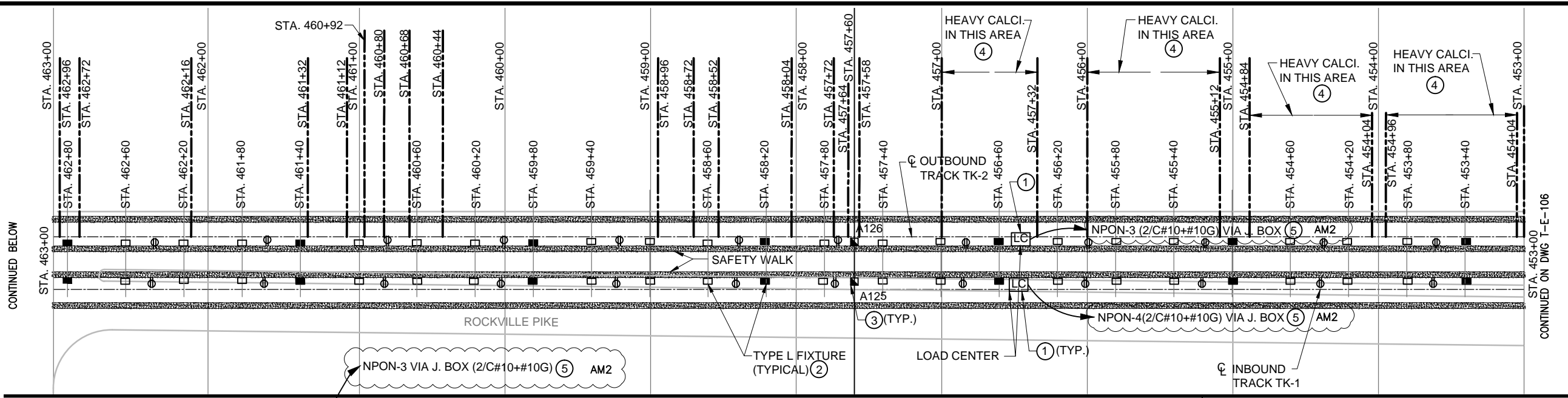
DESIGNED	K. IBRAHIM	01/30/15
DRAWN	V. BHALLA	01/30/15
CHECKED	A. FISHEL	01/30/15
APPROVED	J. PURDY	01/30/15

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
		06/15	K.I.
			AM2



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
 APPROVED _____ SUBMITTED _____ PROJECT MANAGER

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1
 ELECTRICAL PLAN SHEET 7 OF 14
 STA 427+00 TO 453+00
 SCALE 1"=40'
 DRAWING NO. T-E-106 SHEET NO. M1272-060



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500
- ③ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ④ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
- ⑤ PROVIDE A 3/C#10+#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 43224, EXPIRATION DATE 04-14-2015.



FINAL CONTRACT NO. FQ15093

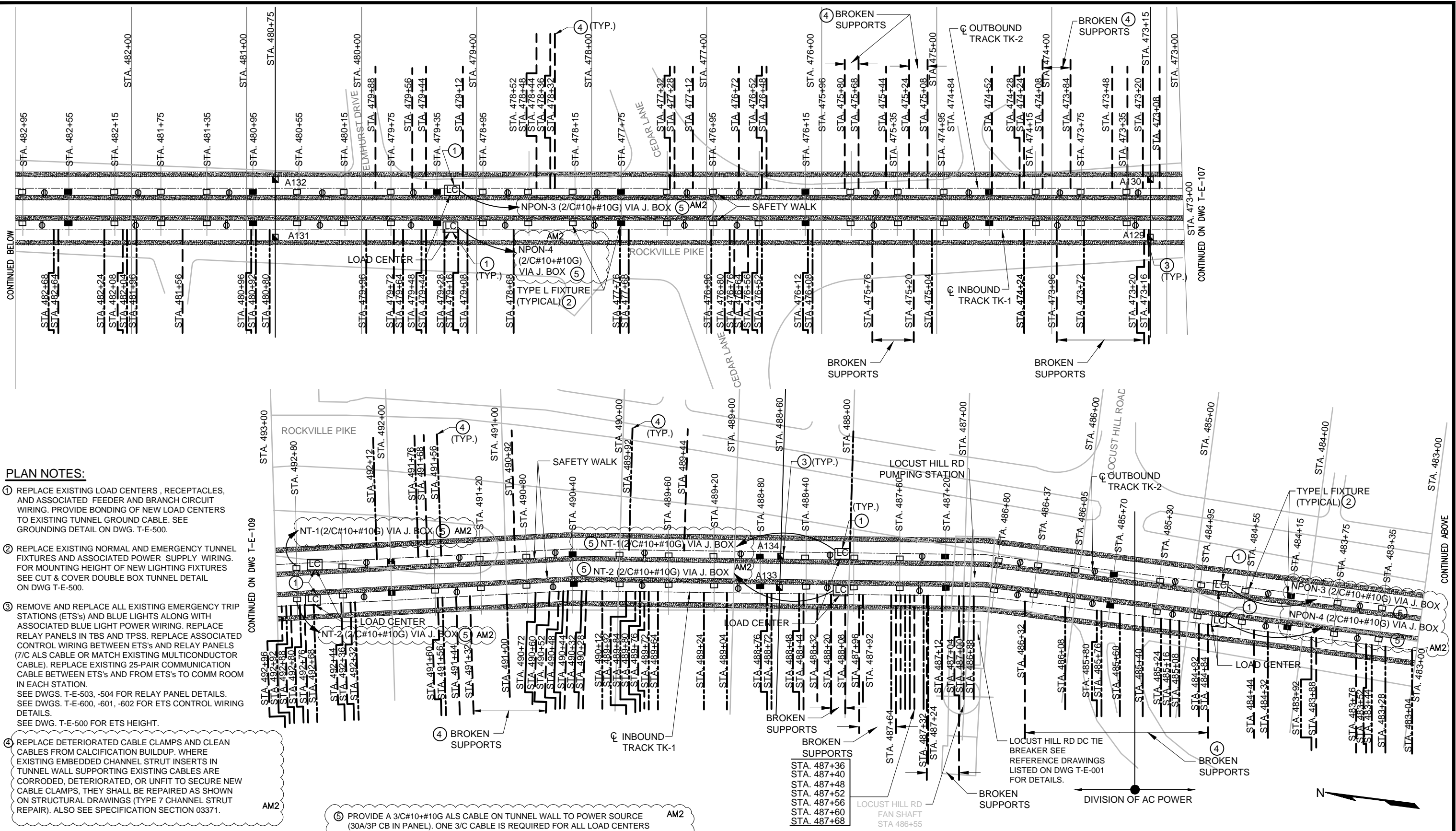
DESIGNED	K. IBRAHIM	01/30/15
DRAWN	V. BHALLA	01/30/15
CHECKED	A. FISHEL	01/30/15
APPROVED	J. PURDY	01/30/15

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
		06/15	K.I.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
 APPROVED _____
 SUBMITTED _____ PROJECT MANAGER

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1
 ELECTRICAL PLAN SHEET 8 OF 14
 STA 453+00 TO 473+00
 SCALE 1"=40'
 DRAWING NO. T-E-107
 SHEET NO. M1272-061



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500.
- ③ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ④ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
- ⑤ PROVIDE A 3/C#10+10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

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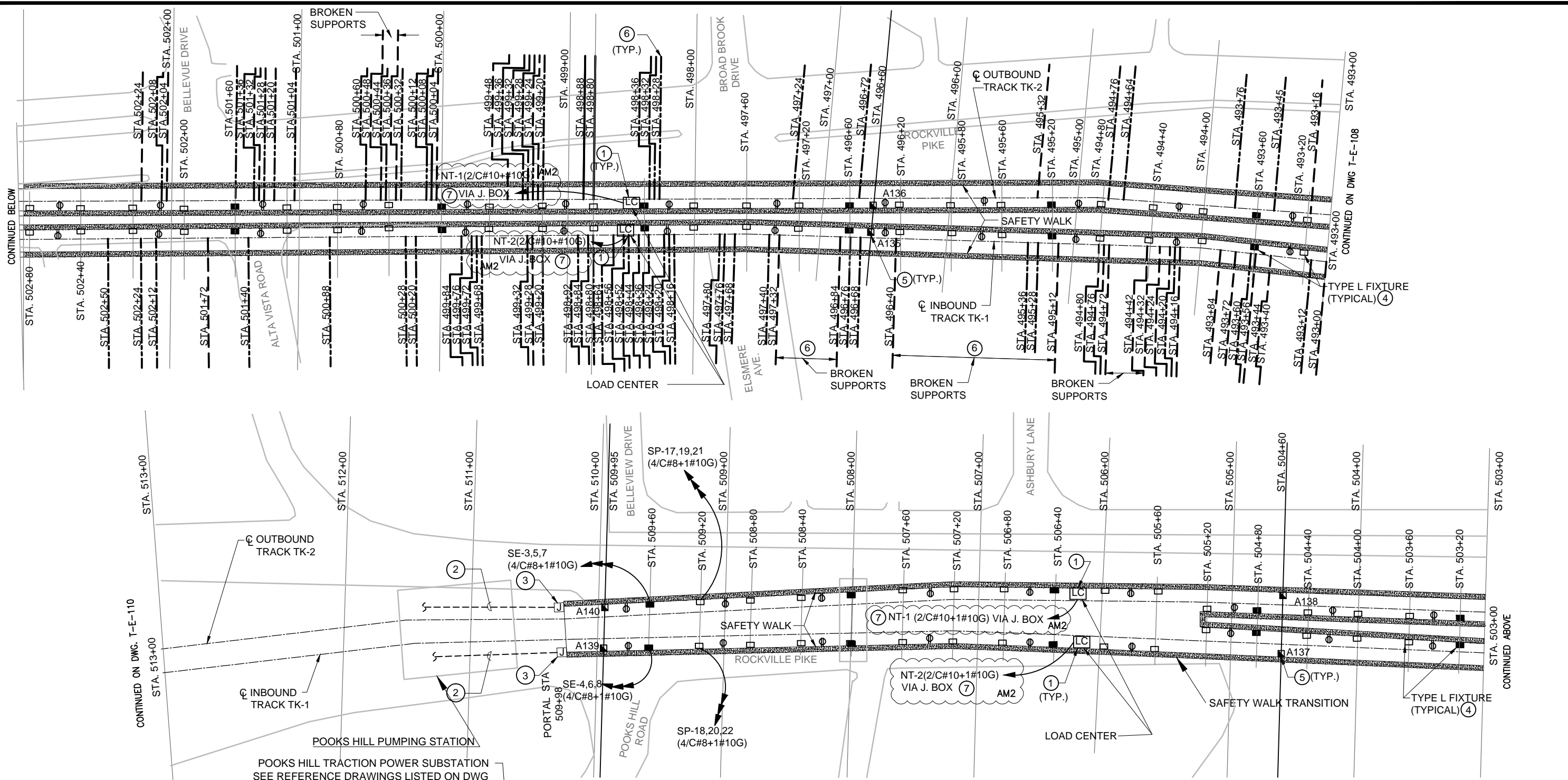
FINAL CONTRACT NO. FQ15093

DESIGNED	K. IBRAHIM	01/30/15
DATE		
DRAWN	V. BHALLA	01/30/15
DATE		
CHECKED	A. FISHEL	01/30/15
DATE		
APPROVED	J. PURDY	01/30/15
DATE		

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
		06/15	K.I.
			AM2

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
 APPROVED _____
 SUBMITTED _____
 PROJECT MANAGER

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1
 ELECTRICAL PLAN SHEET 9 OF 14
 STA 473+00 TO 493+00
 SCALE 1"=40'
 DRAWING NO. T-E-108
 SHEET NO. M1272-062



PLAN NOTES:

- ① REPLACE EXISTING LOAD CENTERS, RECEPTACLES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING. PROVIDE BONDING OF NEW LOAD CENTERS TO EXISTING TUNNEL GROUND CABLE. SEE GROUNDING DETAIL ON DWG. T-E-500.
- ② BLUE LIGHT POWER SUPPLY WIRING IN AERIAL STRUCTURES IS EXISTING TO REMAIN EXCEPT AS FOLLOWS. TEST EXISTING WIRING AND REPLACE WIRING FOUND DEFECTIVE.
- ③ PROVIDE JUNCTION BOX TO SPLICE NEW POWER SUPPLY WIRING FOR BLUE LIGHTS (IN TUNNELS) WITH EXISTING TO REMAIN BLUE LIGHT POWER SUPPLY WIRING (IN AERIAL STRUCTURES). NOTE THAT SOME OR ALL OF WIRING IN AERIAL STRUCTURES MAY BE REPLACED AS DICTATED BY TEST RESULTS. REFER TO PLAN NOTE #2 ABOVE.
- ④ REPLACE EXISTING NORMAL AND EMERGENCY TUNNEL FIXTURES AND ASSOCIATED POWER SUPPLY WIRING. FOR MOUNTING HEIGHT OF NEW LIGHTING FIXTURES SEE CUT & COVER DOUBLE BOX TUNNEL DETAIL ON DWG T-E-500.
- ⑤ REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS ALONG WITH ASSOCIATED BLUE LIGHT POWER WIRING. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7/C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ⑥ REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
- ⑦ PROVIDE A 3/C#10+1#10G ALS CABLE ON TUNNEL WALL TO POWER SOURCE (30A/3P CB IN PANEL). ONE 3/C CABLE IS REQUIRED FOR ALL LOAD CENTERS SUPPLIED FROM THE SAME 3P CB. ALTERNATELY TAP 2 PHASES OF THE 3/C CABLE IN J. BOX ABOVE LOAD CENTER USING 2/C#10+1#10G CABLE. SEE TYPICAL LOAD CENTER SCHEMATIC DIAGRAM ON DWG. # T-E-500.

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DESIGNED	K. IBRAHIM	01/30/15
DATE		
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DATE		
CHECKED	A. FISHEL	01/30/15
DATE		
APPROVED	J. PURDY	01/30/15
DATE		

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
		6/26/15	K.I.
			AM2



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

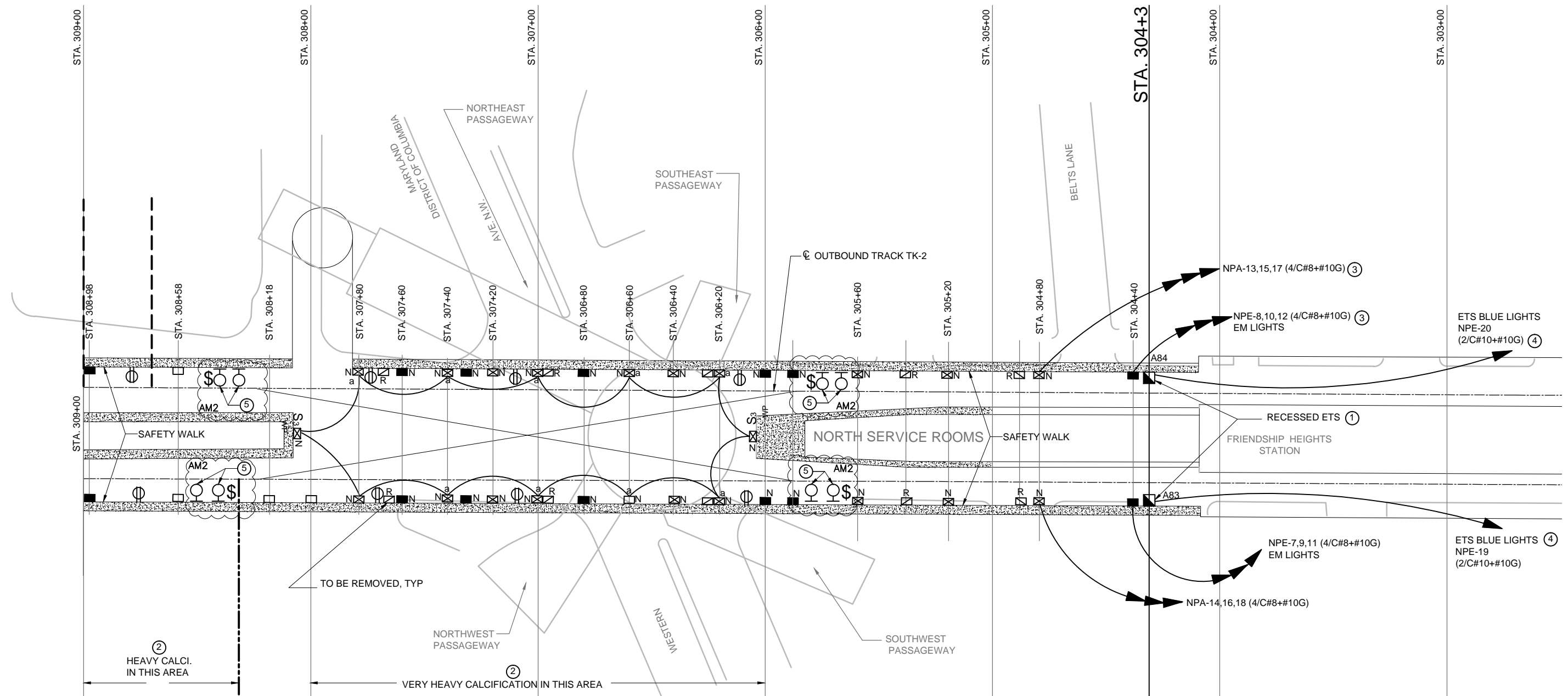
APPROVED _____ SUBMITTED _____ PROJECT MANAGER

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1

ELECTRICAL PLAN SHEET 10 OF 14
STA 493+00 TO 513+00

SCALE 1"=40'

DRAWING NO. T-E-109 SHEET NO. M1272-063

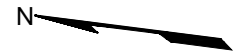


PLAN NOTES:

- ① REMOVE AND REPLACE ALL EXISTING EMERGENCY TRIP STATIONS (ETS's) AND BLUE LIGHTS. REPLACE RELAY PANELS IN TBS AND TPSS. REPLACE ASSOCIATED CONTROL WIRING BETWEEN ETS's AND RELAY PANELS (7C ALS CABLE OR MATCH EXISTING MULTICONDUCTOR CABLE). REPLACE EXISTING 25-PAIR COMMUNICATION CABLE BETWEEN ETS's AND FROM ETS's TO COMM ROOM IN EACH STATION. SEE DWGS. T-E-503, -504 FOR RELAY PANEL DETAILS. SEE DWGS. T-E-600, -601, -602 FOR ETS CONTROL WIRING DETAILS. SEE DWG. T-E-500 FOR ETS HEIGHT.
- ② REPLACE DETERIORATED CABLE CLAMPS AND CLEAN CABLES FROM CALCIFICATION BUILDUP. WHERE EXISTING EMBEDDED CHANNEL STRUT INSERTS IN TUNNEL WALL SUPPORTING EXISTING CABLES ARE CORRODED, DETERIORATED, OR UNFIT TO SECURE NEW CABLE CLAMPS, THEY SHALL BE REPAIRED AS SHOWN ON STRUCTURAL DRAWINGS (TYPE 7 CHANNEL STRUT REPAIR). ALSO SEE SPECIFICATION SECTION 03371.
- ③ NORMAL OR EMERGENCY TUNNEL LIGHTING HOMERUN. USE CIRCUIT NUMBERS INDICATED TO SUPPLY NORMAL OR EMERGENCY LIGHTING ON SAME TUNNEL WALL UP TO "DIVISION OF POWER" LINE. CONNECT FIXTURES ALTERNATELY TO EACH OF THREE CIRCUITS.
- ④ REPLACE BLUE LIGHT POWER SUPPLY WIRING TO POWER SOURCE.

⑤ NEW WORK LIGHTS WITH WEATHER PROOF/WET LOCATION RATED TOGGLE SWITCH. LIGHT FIXTURE SHALL BE COOPER INDUSTRIES TYPE INVUE, MODEL# VFS-K-B40-7-LED-EI-MST-BK OR APPROVED EQUAL. MOUNTING HEIGHT SHALL BE 8'-0" AFF. PROVIDE 2#12, 1#G IN 3/4"C FROM LIGHTS TO 20A/IP BRANCH CB IN PANEL NPA.

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FINAL CONTRACT NO. FQ15093

DESIGNED	K. IBRAHIM	01/30/15
DRAWN	V. BHALLA	01/30/15
CHECKED	A. FISHEL	01/30/15
APPROVED	J. PURDY	01/30/15

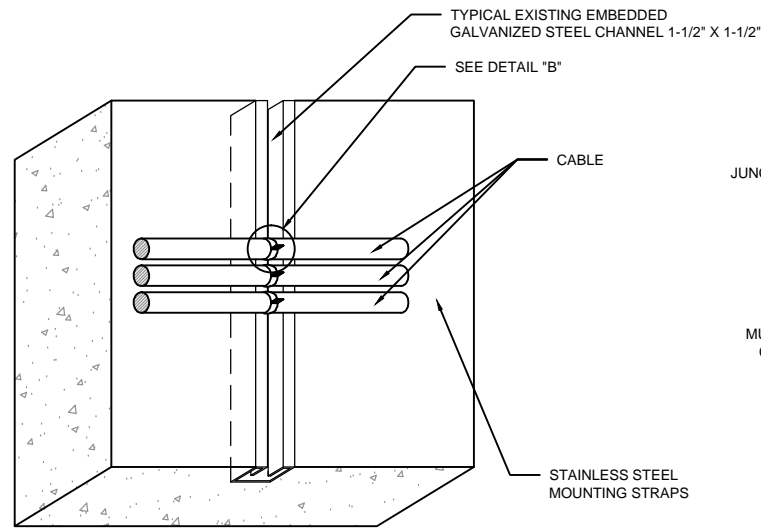
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NUMBER	DESCRIPTION	DATE	BY
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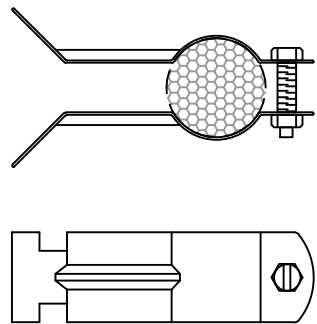
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
 APPROVED _____
 SUBMITTED _____ PROJECT MANAGER



RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1
 CROSSOVER ENLARGED PLAN SHEET 14 OF 14
 FRIENDSHIP HEIGHTS STATION
 SCALE 1"=20'
 DRAWING NO. T-E-113
 SHEET NO. M1272-067

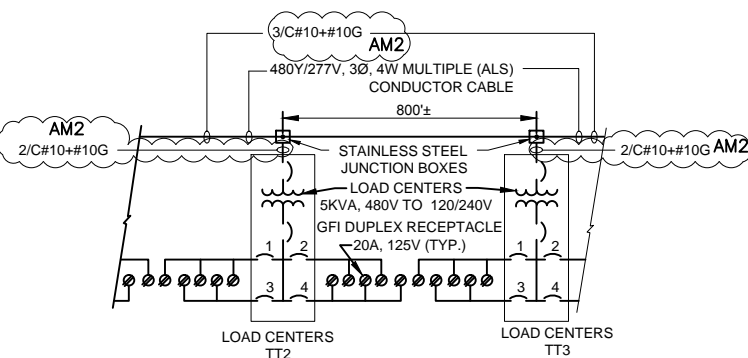


DETAIL "A"
TYPICAL INSTALLATION OF CABLES ON EMBEDDED CHANNEL INSERT

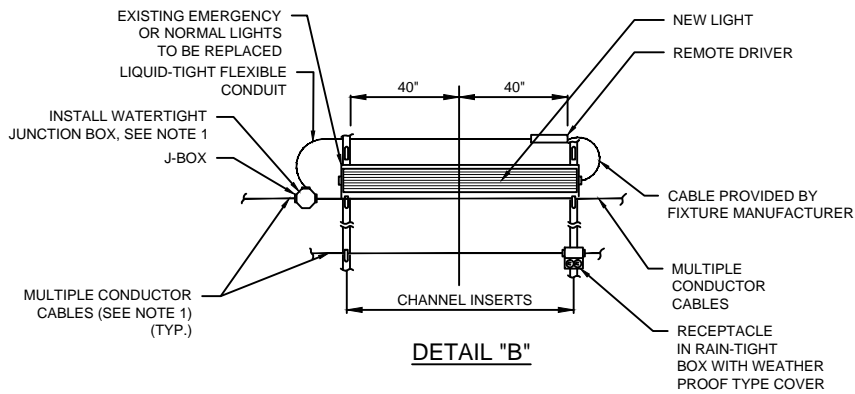


DETAIL "B"
TYPICAL CABLE CLAMP

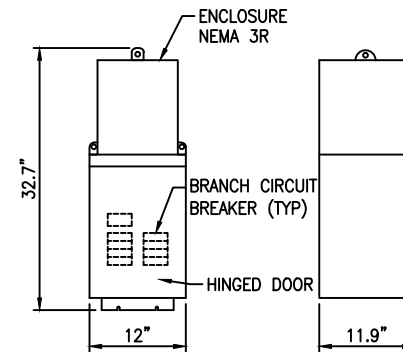
NOTE: PROVIDE 316 STAINLESS STEEL CABLE CLAMPS. AM2



TYPICAL SCHEMATIC DIAGRAM FOR LOAD CENTERS & RECEPTACLES

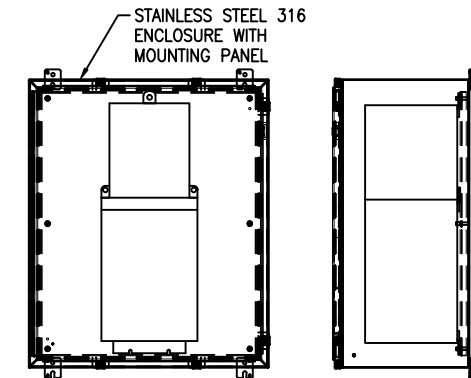


DETAIL "B"



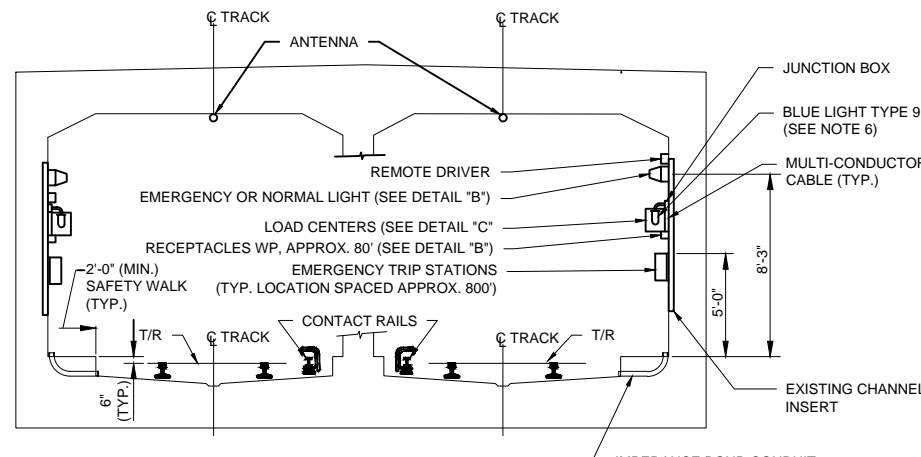
DETAIL "C"
LOAD CENTER

(ALL DIMENSIONS ARE APPROX.)

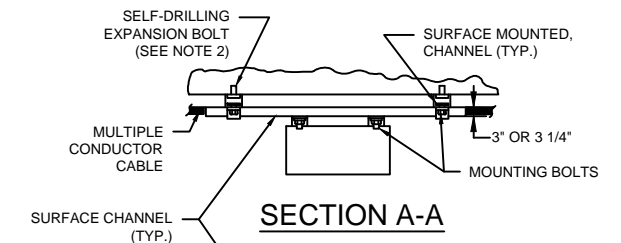


NEMA 4X ENCLOSURE FOR LOAD CENTER

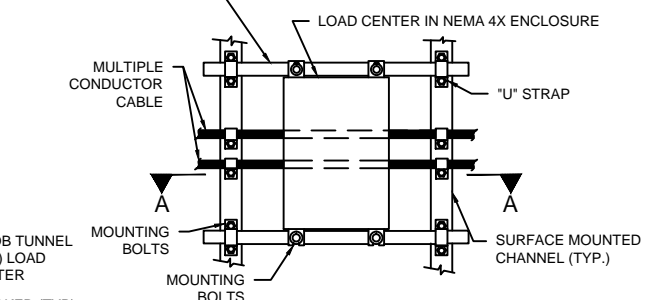
(36 X 30 X 16, CLAMP TYPE HINGED DOOR HUBBELL OR EQUAL)



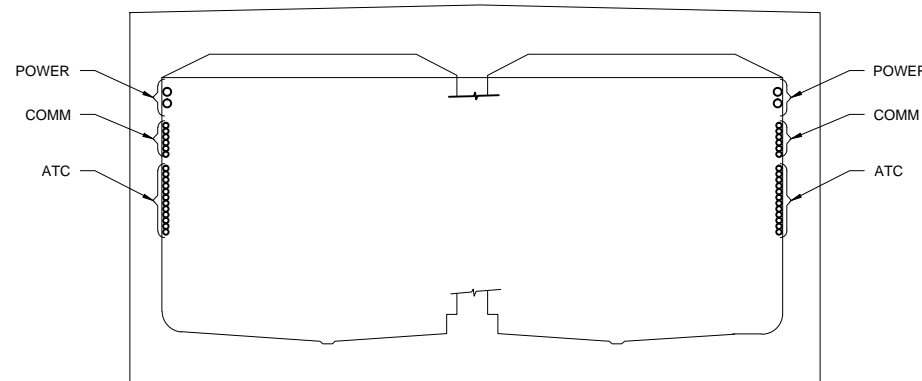
CUT & COVER DOUBLE BOX TUNNEL



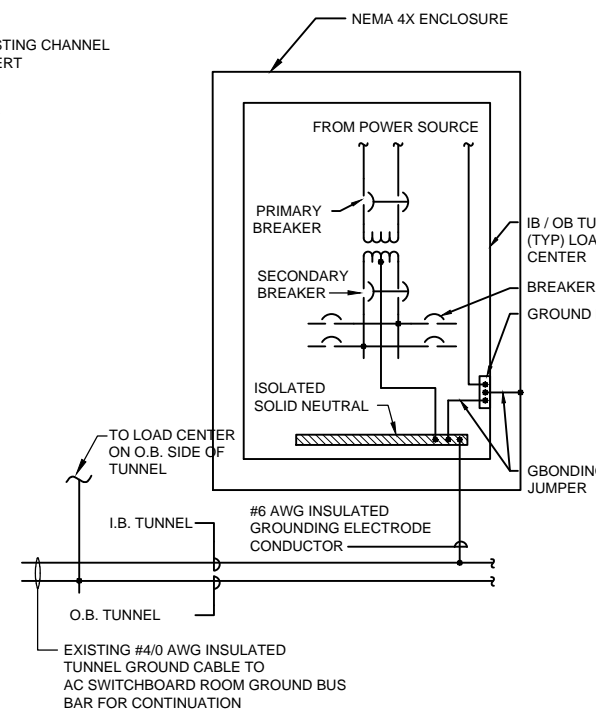
SECTION A-A



DETAIL "D"
LOAD CENTER MOUNTING DETAILS



TYPICAL CABLE ARRANGEMENT IN TUNNEL



TUNNEL LOAD CENTER GROUNDING DETAIL

NOTES:

- CONDUIT AND MULTIPLE CONDUCTOR CABLE ENTRIES INTO BOXES SHALL BE VIA THREADED CONDUIT ENTRANCE HUB OR WATERTIGHT ALUMINUM TERMINAL FITTINGS.
- EXPANSION BOLT 16\"/>

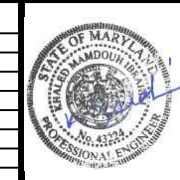
PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 43224, EXPIRATION DATE 04-14-2015.

FINAL CONTRACT NO. FQ15093

DESIGNED	K. IBRAHIM	01/30/14
DRAWN	V. BHALLA	01/30/14
CHECKED	A. FISHEL	01/30/14
APPROVED	J. PURDY	01/30/14

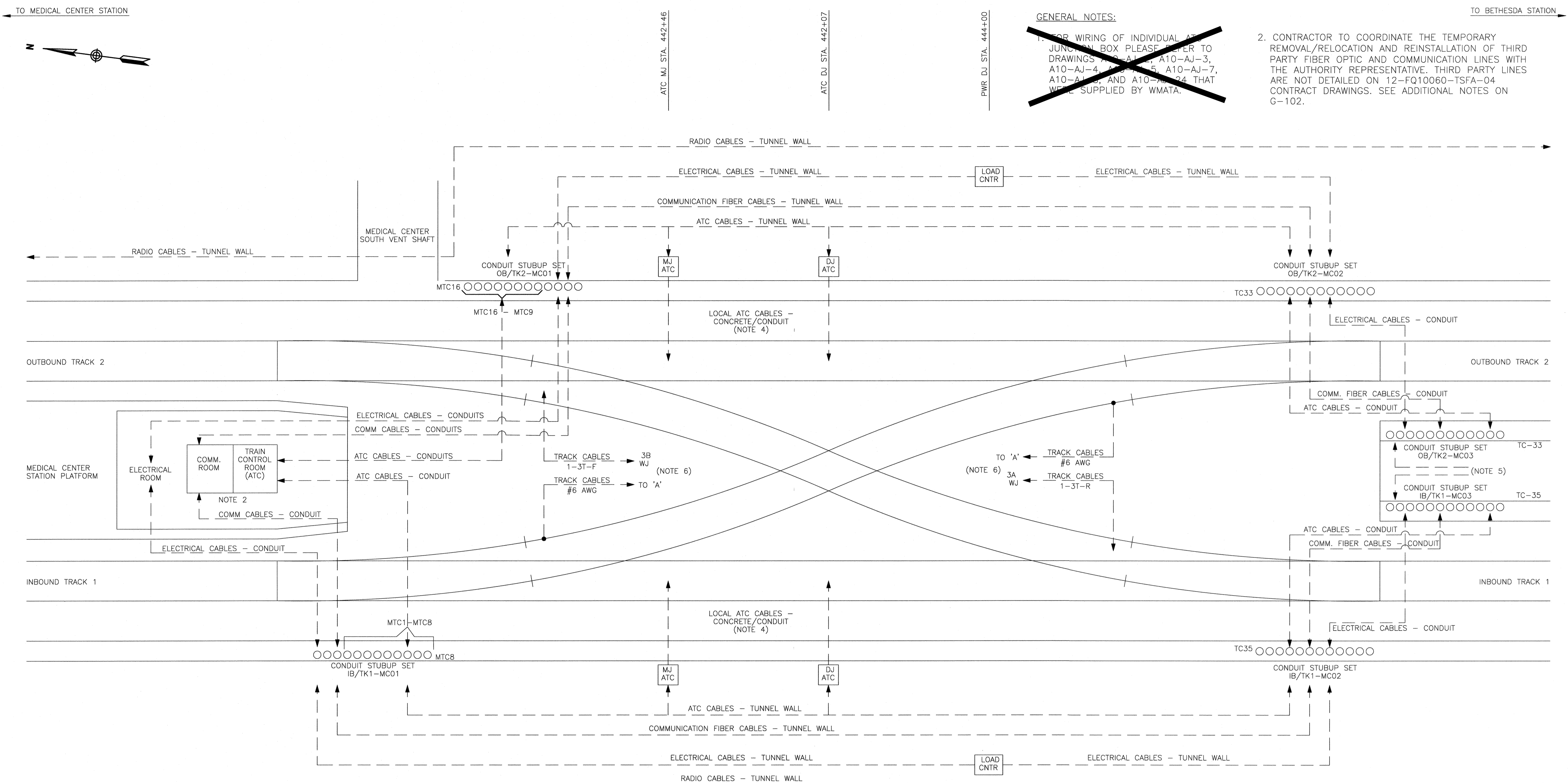
REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS	
NUMBER	DESCRIPTION
06/15	REVISED DETAIL AS NOTED AM2



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
APPROVED _____
SUBMITTED _____ PROJECT MANAGER

RED LINE REHAB.-FRIENDSHIP HEIGHTS TO GROSVENOR - PART 1
MISCELLANEOUS DETAILS
SCALE NOT TO SCALE
DRAWING NO. T-E-500
SHEET NO. M1272-068



GENERAL NOTES:
~~1. FOR WIRING OF INDIVIDUAL ATC JUNCTION BOX PLEASE REFER TO DRAWINGS A10-AJ-1, A10-AJ-3, A10-AJ-4, A10-AJ-5, A10-AJ-7, A10-AJ-8, AND A10-AJ-24 THAT WERE SUPPLIED BY WMATA.~~

2. CONTRACTOR TO COORDINATE THE TEMPORARY REMOVAL/RELOCATION AND REINSTALLATION OF THIRD PARTY FIBER OPTIC AND COMMUNICATION LINES WITH THE AUTHORITY REPRESENTATIVE. THIRD PARTY LINES ARE NOT DETAILED ON 12-FQ10060-TSFA-04 CONTRACT DRAWINGS. SEE ADDITIONAL NOTES ON G-102.

NOTES:

1. PLAN SHOWS APPROXIMATE LOCATIONS AND ROUTING OF EXISTING CABLES AFFECTED BY THE TUNNEL WATERPROOFING. CONTRACTOR SHALL VERIFY PRESENCE AND LOCATION OF ALL CABLES AND CONDUITS PRIOR TO DEMOLITION, EXCAVATION, OR CONSTRUCTION.
2. COMMUNICATION AND TRAIN CONTROL ROOMS ARE LOCATED 2 FLOORS UP FROM PLATFORM LEVEL.
3. REFER TO EXISTING CABLE PLAN SHEET A10-E-611 THRU A10-E-614 FOR INDIVIDUAL CABLE CONDUCTORS AND CONDUIT ASSIGNMENTS.
4. ATC CABLES FROM THE MJ/DJ BOXES TO THE LOCAL ATC DEVICES ARE EMBEDDED WITHIN CONCRETE AND CONDUIT. EXACT PATH IS UNKNOWN.
5. ATC, COMMUNICATIONS, AND ELECTRICAL CABLES CONTINUE ALONG THE INNER WALL OF EACH TUNNEL TOWARDS BETHESDA STATION UNTIL EACH CABLE REACHES ITS FINAL DESTINATION AS INDICATED ON THE EXISTING CABLE PLAN.
6. LOCAL TRACK CABLES MAY BE REUSED OR REPLACED AT THE DISCRETION OF THE WMATA ENGINEER.

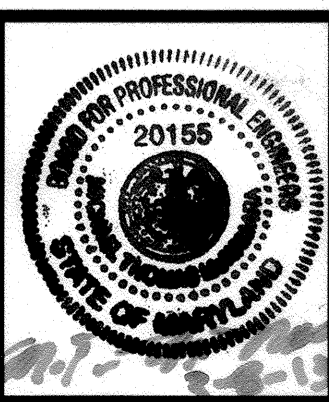
EXISTING CABLE ROUTING PLAN
 SCALE: NOT TO SCALE

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20155, EXPIRATION DATE : 08-18-2013.

FINAL SUBMITTAL

CONTRACT NO. 12-FQ10060-TSFA-04

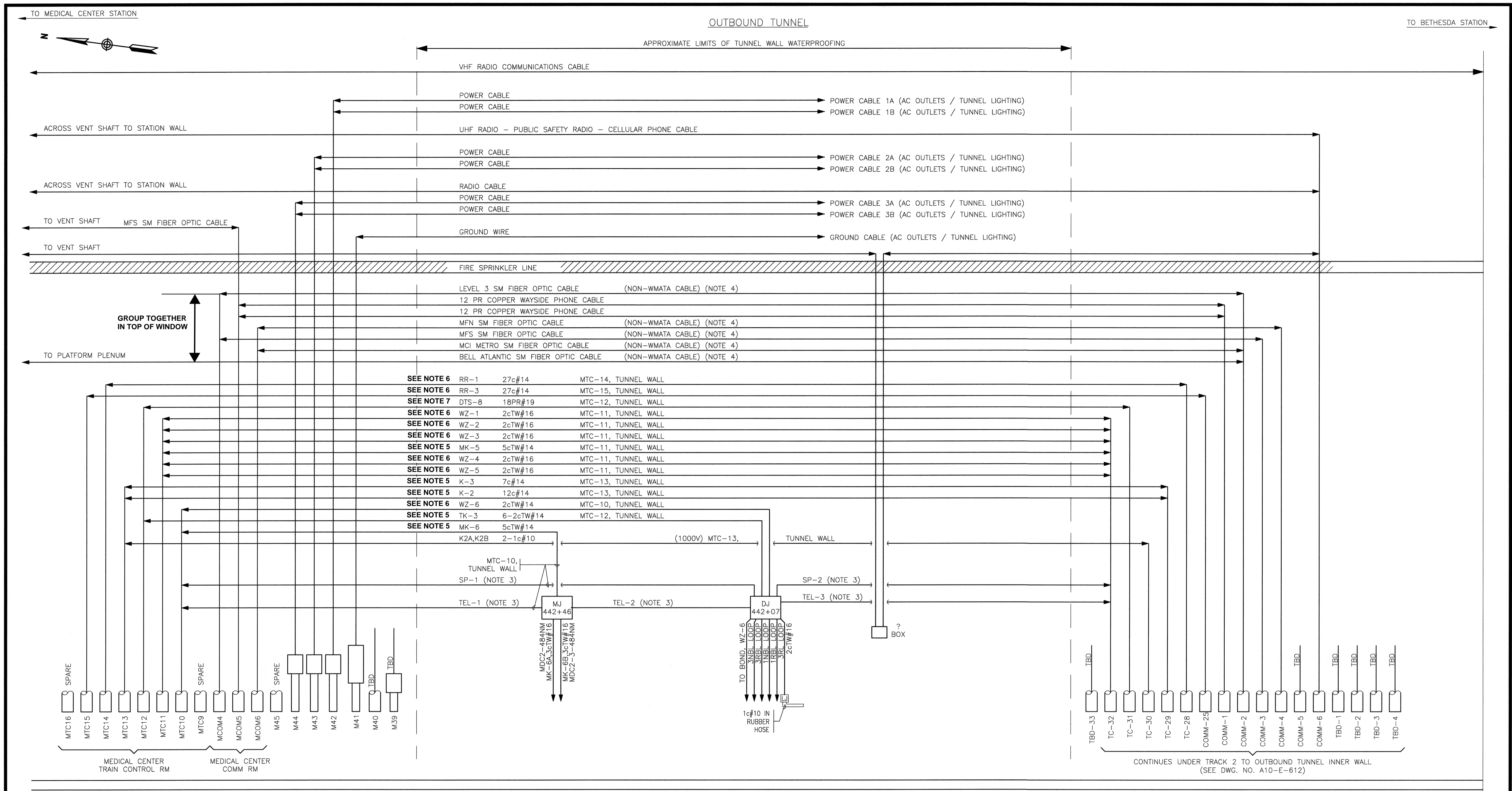
DESIGNED	J. TRAUM	03-13	DATE	REFERENCE DRAWINGS		REVISIONS	
DRAWN	J. TRAUM	03-13	DATE	NUMBER	DESCRIPTION	DATE	BY
CHECKED	E. SPOTTS	03-13	DATE				
APPROVED	M. MCNAMARA	03-13	DATE				



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

GFP A Gannett Fleming/Parsons JOINT VENTURE
 SUBMITTED **BRADLEY MASON**
 PROJECT MANAGER

MEDICAL CENTER CROSSOVER TUNNEL WATERPROOFING ELECTRICAL EXISTING CABLE ROUTING TRACK PLAN
 SCALE AS SHOWN
 DRAWING NO. A10-E-100



OUTBOUND TRACK 2

EXISTING CABLE PLAN FOR OUTBOUND TRK 2 OUTER WALL

SCALE: NOT TO SCALE

- NOTES:
- ONLY ATC AND COMMUNICATION CABLES AFFECTED BY THE TUNNEL WATERPROOFING ARE SHOWN.
 - ALL EXISTING CABLES WITHIN PROJECT LIMITS SHALL BE VERIFIED FOR MARKINGS/TAGS IN FIELD PRIOR TO CONSTRUCTION.
 - TEL CIRCUIT CABLES ARE TO BE RETIRED IN FUTURE. DO NOT REPLACE.
 - NON-WMATA VENDOR CABLES BY OTHERS.

5. SEE NOTE 5 ON DRAWING A10-E-612

6. SEE NOTE 6 ON DRAWING A10-E-612

7. SEE NOTE 7 ON DRAWING A10-E-612

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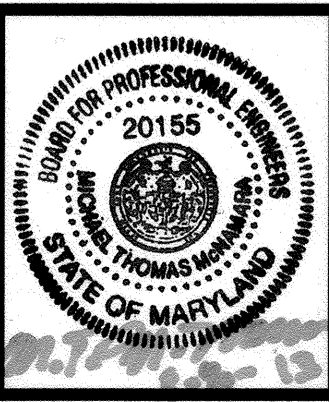
FINAL SUBMITTAL

CONTRACT NO. 12-FQ10060-TSFA-04

DESIGNED	J. TRAUM	03-13
DATE		
DRAWN	C. ELMORE/ E. GREENE	03-13
DATE		
CHECKED	E. SPOTTS	03-13
DATE		
APPROVED	M. MCNAMARA	03-13
DATE		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS		
NUMBER	DATE	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____

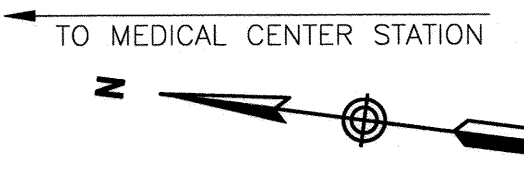
GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED **BRADLEY MASON**
 PROJECT MANAGER

MEDICAL CENTER CROSSOVER TUNNEL WATERPROOFING

ELECTRICAL
 EXISTING CABLE PLAN FOR OUTBOUND TRK 2 (1 OF 2)

SCALE: AS SHOWN
 DRAWING NO. A10-E-611



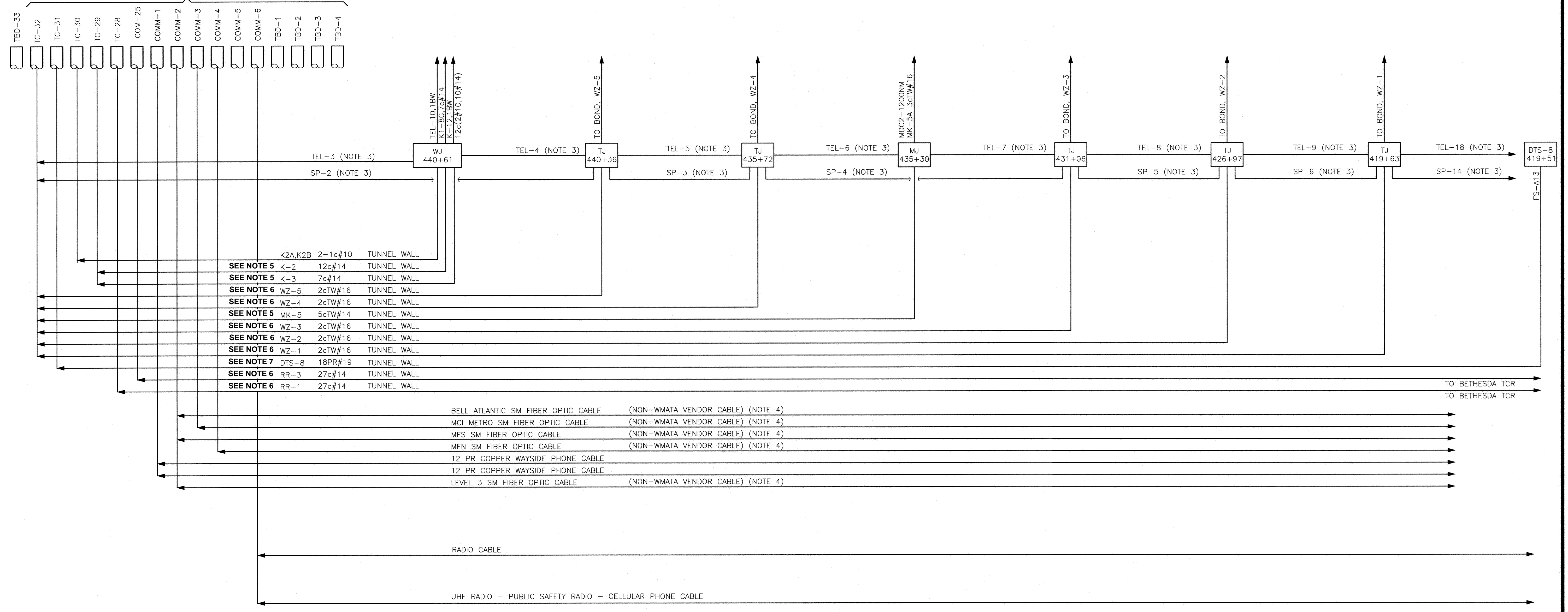
TO MEDICAL CENTER STATION

TO BETHESDA STATION

OUTBOUND TRACK 2

INNER WALL

CONTINUES UNDER TRACK 2 TO OUTBOUND TUNNEL OUTER WALL
(SEE DWG. NO. A10-E-611)



EXISTING CABLE PLAN FOR OUTBOUND TRK 2 INNER WALL

SCALE: NOT TO SCALE

NOTES:

- ONLY ATC AND COMMUNICATION CABLES AFFECTED BY THE TUNNEL WATERPROOFING ARE SHOWN.
- ALL EXISTING CABLES WITHIN PROJECT LIMITS SHALL BE VERIFIED FOR MARKINGS/TAGS IN FIELD PRIOR TO CONSTRUCTION.
- TEL CIRCUIT CABLES ARE TO BE RETIRED IN FUTURE. DO NOT REPLACE IF CABLES ARE MISSING IN FIELD.
- NON-WMATA VENDOR CABLES ARE BY OTHERS.

- CABLES WILL BE REROUTED BY WMATA TO NEW JB IN THE TRACK BED PRIOR TO CONTRACT WORK STARTS.
- CABLES WILL BE REROUTED BY WMATA IN FRONT OF PRECAST WALL AFTER CONTRACTOR FINISHES PRECAST INSTALLATION.
- DTS CABLE TO BE RELOCATED IN MAINTENACE WINDOW BY CONTRACTOR.

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20155, EXPIRATION DATE : 08-18-2013.

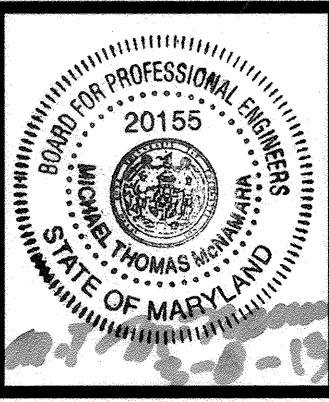
FINAL SUBMITTAL

CONTRACT NO. 12-FQ10060-TSFA-04

DESIGNED	J. TRAUAM	03-13
		DATE
DRAWN	C. ELMORE/ E. GREENE	03-13
		DATE
CHECKED	E. SPOTTS	03-13
		DATE
APPROVED	M. MCNAMARA	03-13
		DATE

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS		
DATE	BY	DESCRIPTION



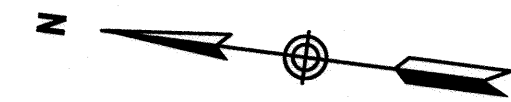
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

GFP A Gannett Fleming/Parsons JOINT VENTURE
SUBMITTED **BRADLEY MASON**
PROJECT MANAGER

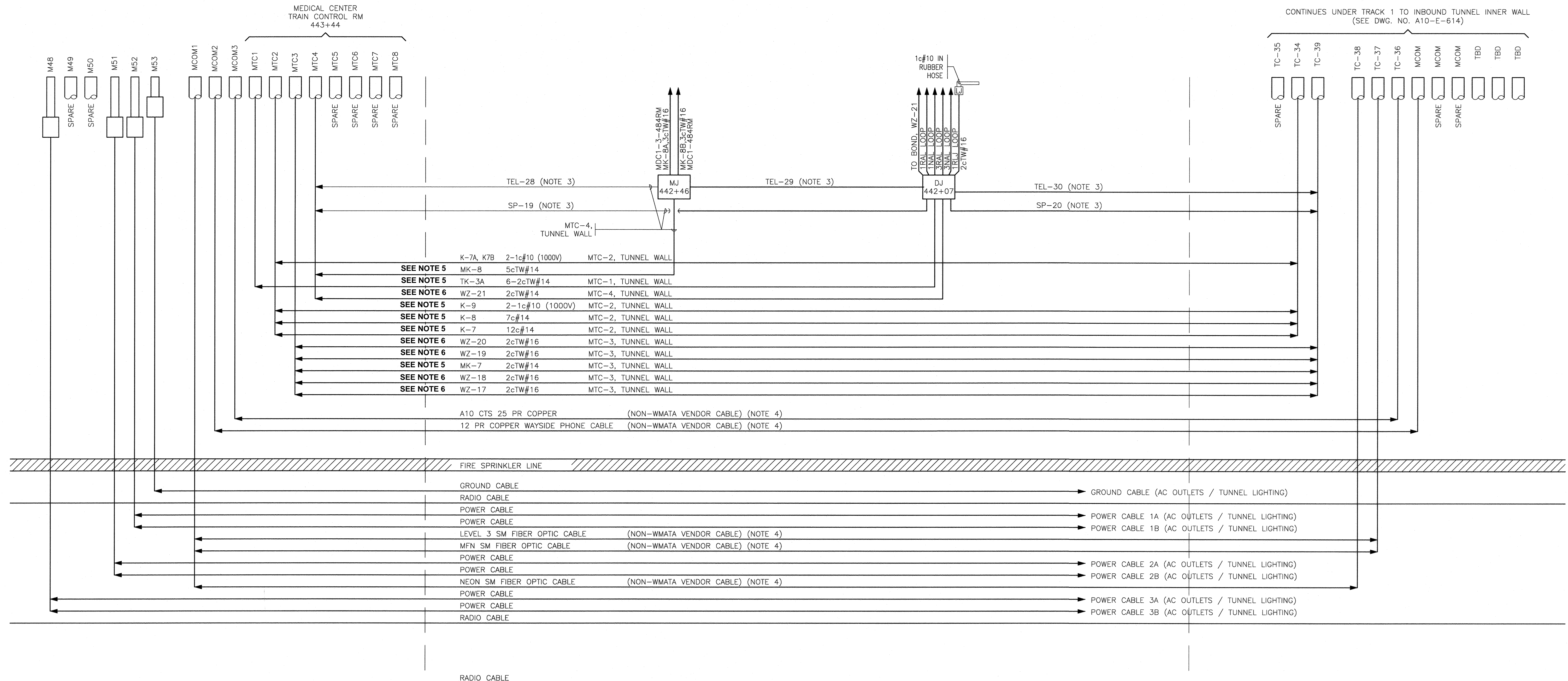
MEDICAL CENTER CROSSOVER TUNNEL WATERPROOFING ELECTRICAL
EXISTING CABLE PLAN FOR OUTBOUND TRK 2 (2 OF 2)
SCALE AS SHOWN
DRAWING NO. A10-E-612

TO MEDICAL CENTER STATION

TO BETHESDA STATION



INBOUND TRACK-1



NOTES:

- ONLY ATC AND COMMUNICATIONS CABLES AFFECTED BY THE TUNNEL WATERPROOFING ARE SHOWN.
- ALL EXISTING CABLES WITHIN PROJECT LIMITS SHALL BE VERIFIED FOR MARKINGS/TAGS IN FIELD PRIOR TO CONSTRUCTION.
- TEL CIRCUIT CABLES ARE TO BE RETIRED IN FUTURE. DO NOT REPLACE IF MISSING IN FIELD.
- NON-WMATA VENDOR CABLES BY OTHERS.

EXISTING CABLE PLAN FOR INBOUND TRK 1 OUTER WALL

- SEE NOTE 5 ON DRAWING A10-E-612
- SEE NOTE 6 ON DRAWING A10-E-612
- SEE NOTE 7 ON DRAWING A10-E-612

SCALE: NOT TO SCALE

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20155, EXPIRATION DATE : 08-18-2013.

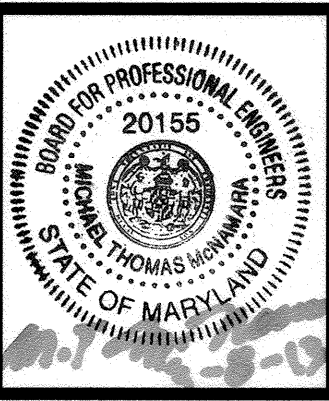
FINAL SUBMITTAL

CONTRACT NO. 12-FQ10060-TSFA-04

DESIGNED	J. TRAM	03-13
		DATE
DRAWN	C. ELMORE/ E. GREENE	03-13
		DATE
CHECKED	E. SPOTTS	03-13
		DATE
APPROVED	M. MCNAMARA	03-13
		DATE

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS		
NUMBER	DATE	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

GFP A Gannett Fleming/Parsons JOINT VENTURE

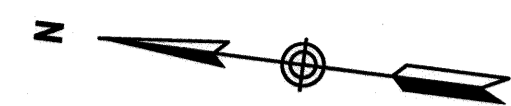
APPROVED _____ SUBMITTED **BRADLEY MASON**
 PROJECT MANAGER

MEDICAL CENTER CROSSOVER TUNNEL WATERPROOFING ELECTRICAL
 EXISTING CABLE PLAN FOR INBOUND TRK 1 (1 OF 2)

SCALE AS SHOWN DRAWING NO. A10-E-613

TO MEDICAL CENTER STATION

TO BETHESDA STATION



RADIO CABLE

RADIO CABLE

RADIO CABLE

NEON SM FIBER OPTIC CABLE (NON-WMATA VENDOR CABLE) (NOTE 4)

MFN SM FIBER OPTIC CABLE (NON-WMATA VENDOR CABLE) (NOTE 4)

LEVEL 3 SM FIBER OPTIC CABLE (NON-WMATA VENDOR CABLE) (NOTE 4)

12 PR COPPER WAYSIDE PHONE CABLE

A10 CTS 25 PR COPPER (NON-WMATA VENDOR CABLE) (NOTE 4)

- SEE NOTE 6 WZ-17 2cTW#16 TUNNEL WALL
- SEE NOTE 6 WZ-18 2cTW#16 TUNNEL WALL
- SEE NOTE 5 MK-7 5cTW#14 TUNNEL WALL
- SEE NOTE 6 WZ-19 2cTW#16 TUNNEL WALL
- SEE NOTE 6 WZ-20 2cTW#16 TUNNEL WALL
- SEE NOTE 5 K-7 12c#14 TUNNEL WALL
- SEE NOTE 5 K-8 7c#14 TUNNEL WALL
- SEE NOTE 5 K-9 2-1c#10 (1000V) TUNNEL WALL

K-7A, K7B 2-1c#10 (1000V) TUNNEL WALL

SP-20 (NOTE 3) TUNNEL WALL

TEL-30 (NOTE 3) TUNNEL WALL

WJ 440+61

TEL-31 (NOTE 3)

TJ 440+36

SP-21 (NOTE 3)

TEL-32 (NOTE 3)

TJ 436+50

SP-22 (NOTE 3)

TEL-33 (NOTE 3)

MJ 435+30

TEL-34 (NOTE 3)

TJ 431+98

SP-23 (NOTE 3)

TEL-36 (NOTE 3)

TJ 419+63

SP-27 (NOTE 3)

TEL-35 (NOTE 3)

- K1-4G,7c#14
- K1-31-32-1c#10 (1000V)
- TEL-37 3AW
- K-15 3AW
- 12c(2#10,10#14)

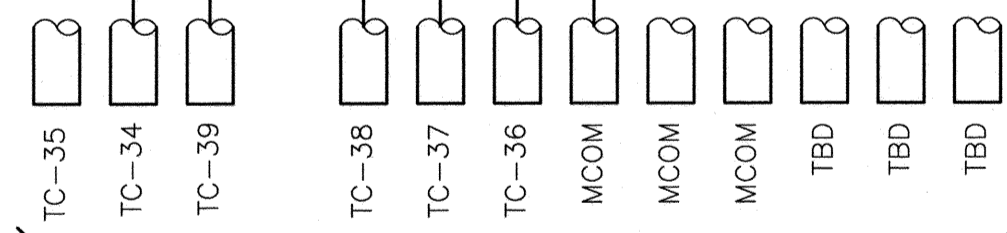
TO BOND, WZ-20

TO BOND, WZ-19

MK-7A,3cTW#16
MDC1-1200RM

TO BOND, WZ-18

TO BOND, WZ-17



CONTINUES UNDER TRACK 1 TO INBOUND TUNNEL OUTER WALL (SEE DWG. NO. A10-E-613)

INBOUND TRACK 1

EXISTING CABLE PLAN FOR INBOUND TRK 1 INNER WALL

SCALE: NOT TO SCALE

NOTES:

- ONLY ATC AND COMMUNICATIONS CABLES AFFECTED BY THE TUNNEL WATERPROOFING ARE SHOWN.
- ALL EXISTING CABLES WITHIN PROJECT LIMITS SHALL BE VERIFIED FOR MARKINGS/TAGS IN FIELD PRIOR TO CONSTRUCTION.
- TEL CIRCUIT CABLES ARE TO BE RETIRED IN FUTURE. DO NOT REPLACE IF MISSING IN FIELD.
- NON-WMATA VENDOR CABLES BY OTHERS.

- SEE NOTE 5 ON DRAWING A10-E-612
- SEE NOTE 6 ON DRAWING A10-E-612
- SEE NOTE 7 ON DRAWING A10-E-612

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20155, EXPIRATION DATE : 08-18-2013.

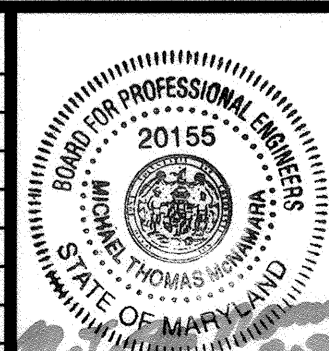
FINAL SUBMITTAL

CONTRACT NO. 12-FQ10060-TSFA-04

DESIGNED J. TRAUM 03-13
 DATE
 DRAWN C. ELMORE/J. TRAUM 03-13
 DATE
 CHECKED E. SPOTTS 03-13
 DATE
 APPROVED M. MCNAMARA 03-13
 DATE

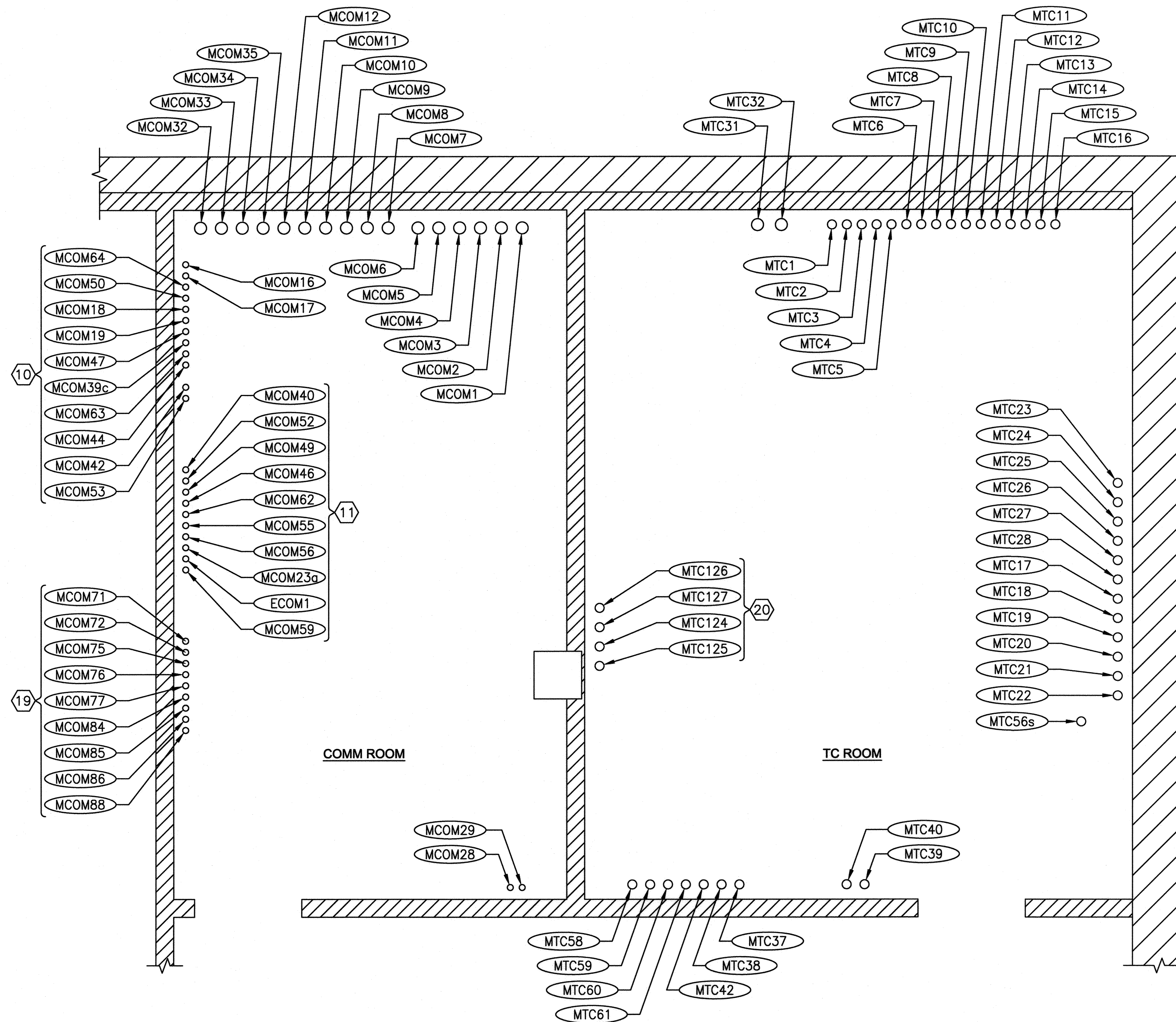
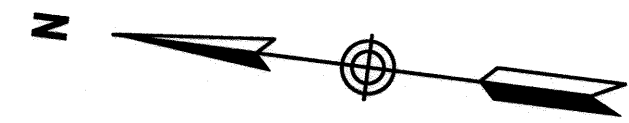
REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS		
DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
 APPROVED _____
 SUBMITTED BRADLEY MASON PROJECT MANAGER

MEDICAL CENTER CROSSOVER TUNNEL WATERPROOFING ELECTRICAL
 EXISTING CABLE PLAN FOR INBOUND TRK 1 (2 OF 2)
 SCALE AS SHOWN
 DRAWING NO. A10-E-614



FLOOR PLAN - EXISTING CONDUIT STUB-UPS IN COMMUNICATIONS AND TRAIN CONTROL ROOMS

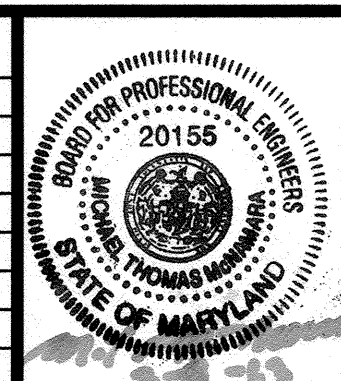
SCALE: NOT TO SCALE

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20155, EXPIRATION DATE : 08-18-2013.

FINAL SUBMITTAL

CONTRACT NO. 12-FQ10060-TSFA-04

DESIGNED	J. TRAU	03-13	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	C. ELMORE	03-13	DATE					
CHECKED	E. SPOTTS	03-13	DATE					
APPROVED	M. MCNAMARA	03-13	DATE					



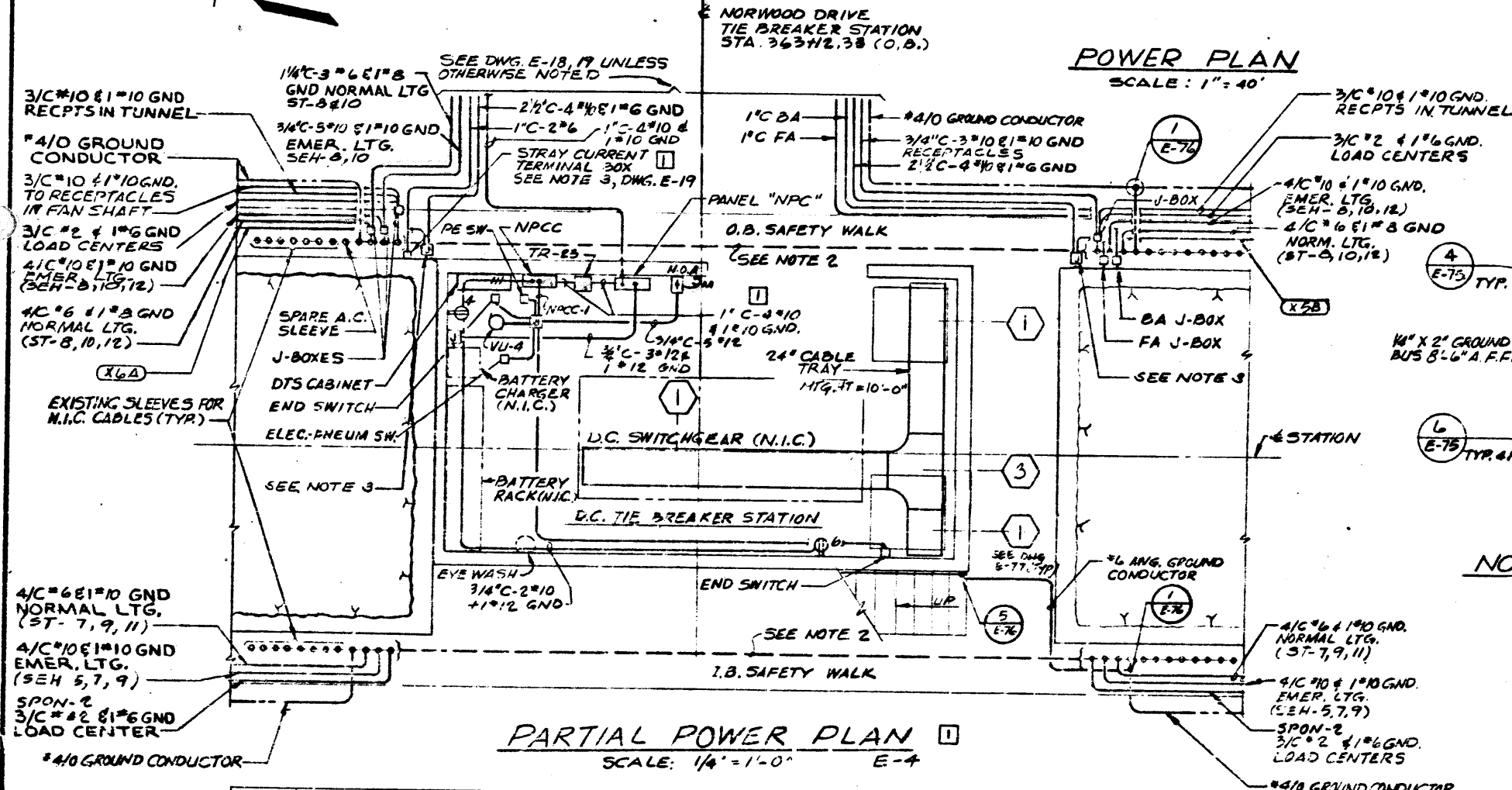
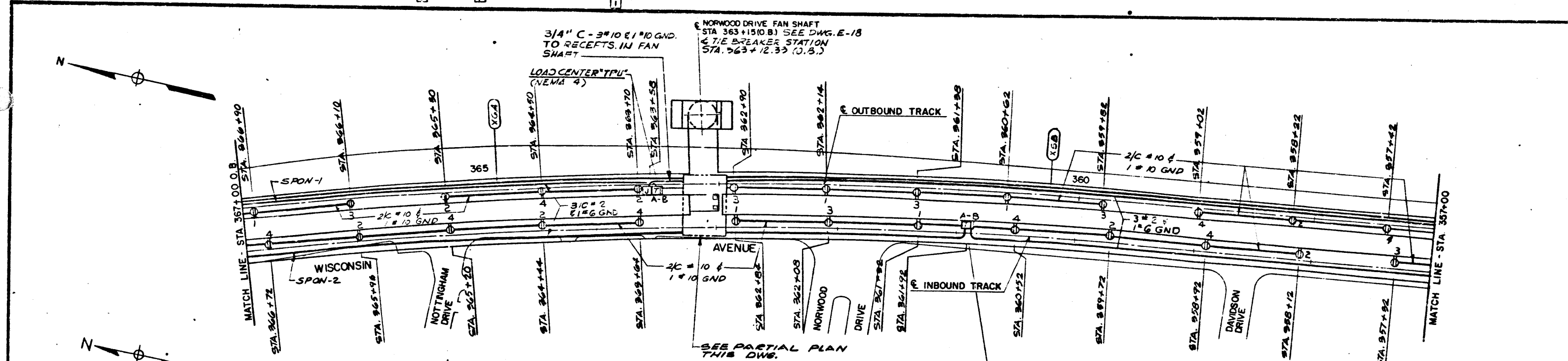
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
 OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

GFP A Gannett Fleming/Parsons JOINT VENTURE

APPROVED _____ SUBMITTED BRADLEY MASON PROJECT MANAGER

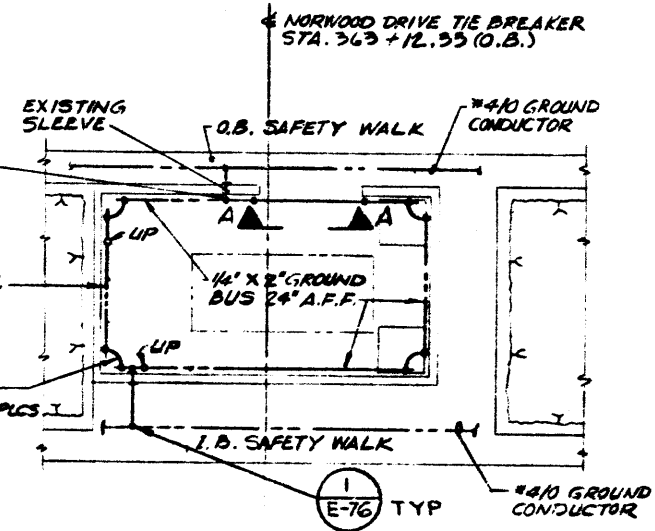
MEDICAL CENTER CROSSOVER TUNNEL WATERPROOFING ELECTRICAL EXISTING COMM AND TRAIN CONTROL ROOM LAYOUTS

SCALE AS SHOWN DRAWING NO. A10-E-620

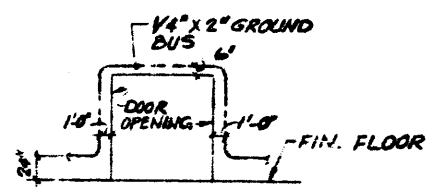


PARTIAL POWER PLAN
SCALE: 1/4" = 1'-0" E-4

POWER PLAN
SCALE: 1" = 40'



NORWOOD DRIVE TIE BREAKER STATION GROUNDING PLAN
SCALE: NONE



ELEVATION A-A
SCALE: NONE

- NOTES:**
1. SEE DWG. E-10 FOR GENERAL NOTES.
 2. ROUTE CABLES ACROSS ADIT THROUGH EXISTING SLEEVES AS SHOWN.
 3. SEE DETAIL 1, DWG. E-75 FOR TERMINAL BOX DETAILS.
 4. SEE SCHEMATIC DIAGRAM NO. 1 ON DWG. E-64 FOR VU-4 WIRING.
 5. SEE DWG. E-94 FOR PANEL NPCC SCHEMATIC. SEE DWG. E-86 FOR PANEL NPC SCHEMATIC.

E-19	NORWOOD DR FAN SHAFT LTG. PLANS & SECTIONS
E-18	NORWOOD DR FAN SHAFT PWR PLANS & ONE-LINE DIAG.
E-4	TUNNEL LIGHTING PLAN & DETAILS

DESIGNED	M. FELERSTEIN	DATE	3-21-72	REFERENCE DRAWINGS	REVISIONS			
DRAWN	F. MAR	DATE	3-25-72	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
CHECKED	ABRAHAM	DATE	10-13-72	S-2	NORWOOD DR FAN SHAFT PLANS AND SECTIONS	5-9-81		GENERAL REV. ON PER PCC
APPROVED		DATE		A-3	NORWOOD DR FAN SHAFT			
		DATE		M-13	NORWOOD DR FAN SHAFT PLANS AND SECTIONS			
		DATE		M-7	OLIVER ST TRACTION POWER SUBSTATION BRADLEY LANE TIEBREAKER STATION PLAN & SECTIONS			

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

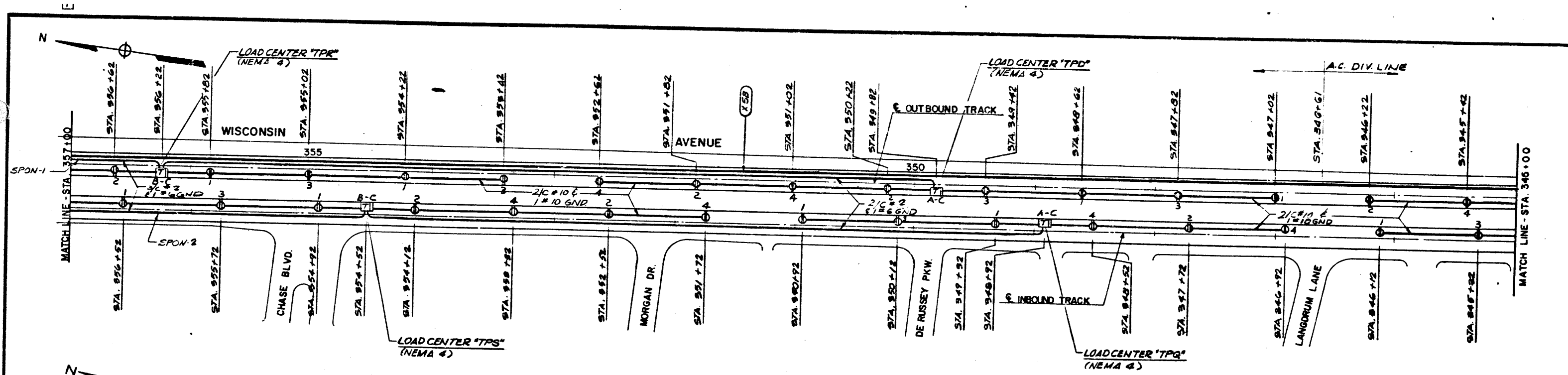
PARSONS ASSOCIATES & THE RALPH M. PARSONS COMPANY SECTION DESIGNER

DE LEUW, CATHAR & COMPANY GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT

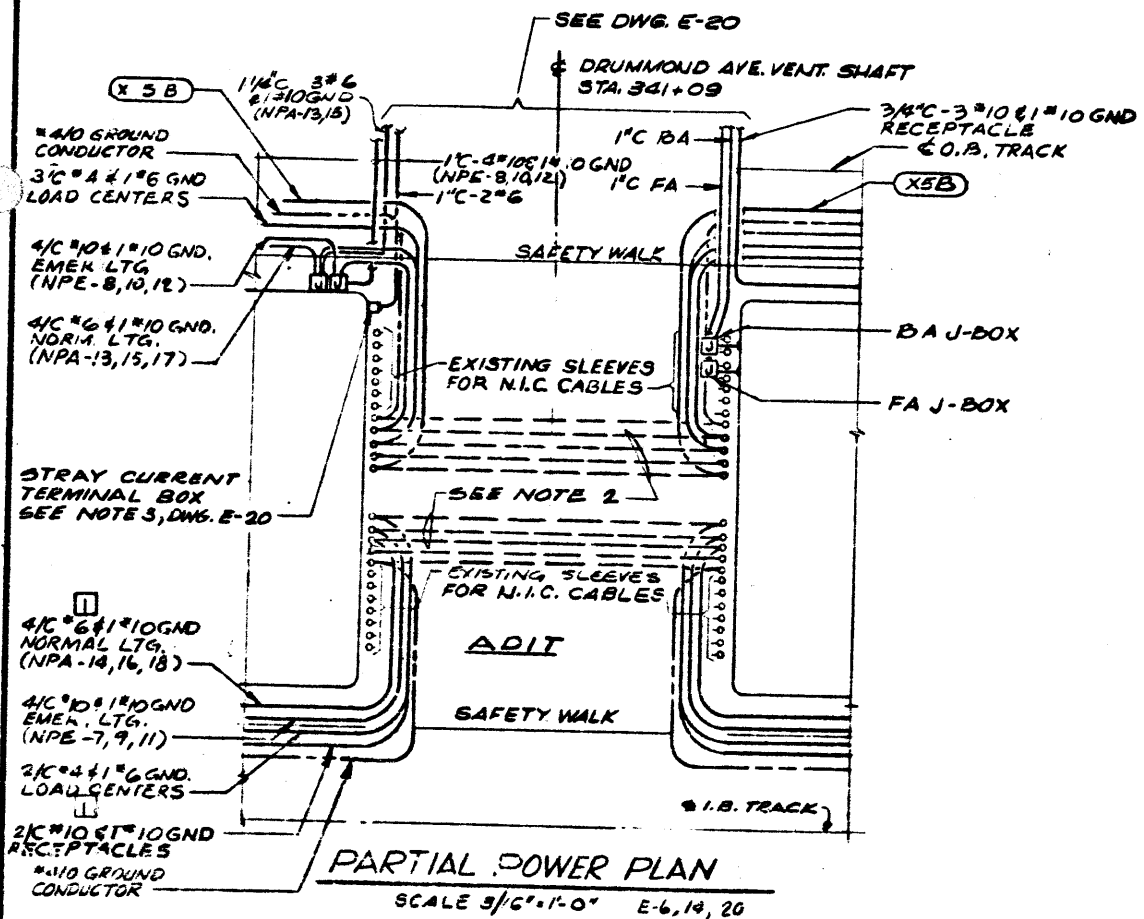
M-187 ROCKVILLE ROUTE
186 TUNNEL POWER PLANS
STA. 357+00 TO STA. 367+00

SCALE: 1" = 40' AND AS NOTED DRAWING NO. FA10-E-12 MZ



POWER PLAN
SCALE: 1" = 40'-0"

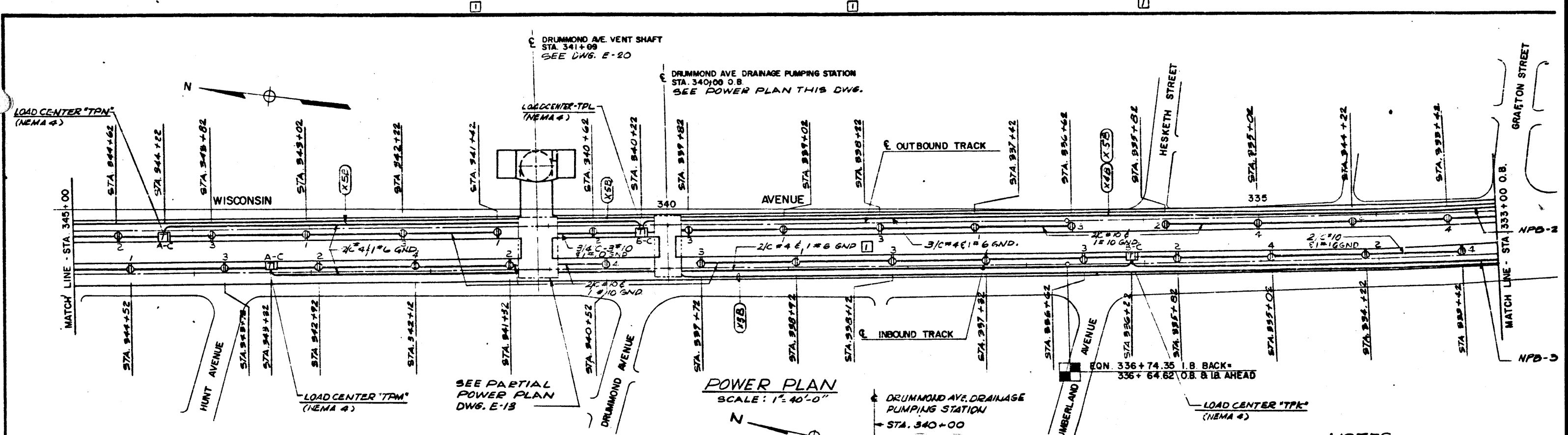
- NOTES:**
1. SEE DWG. E-10 FOR GENERAL NOTES.
 2. ROUTE CABLES ACROSS ADIT THE EXISTING SLEEVES AS SHOWN.



PARTIAL POWER PLAN
SCALE 3/4" = 1'-0" E-6, 14, 20

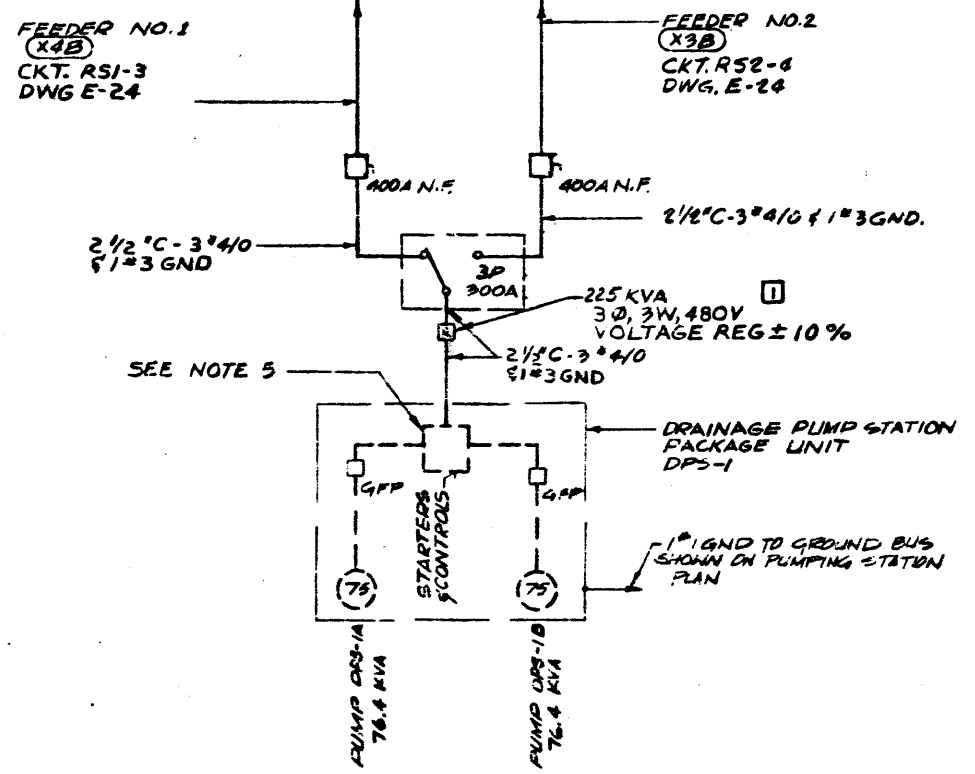
DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
M. FEUERSTEIN	3-27-73	5-3	DRUMMOND AVE VENT SHAFT PLANS & SECTIONS	5-18-81	A
F. MAR	4-2-73	4-4	DRUMMOND AVE VENT SHAFT PLANS & SECTIONS		
L. ABRAHAM	10-13-76	M-14	DRUMMOND AVE VENT SHAFT PLANS & SECTIONS		
		E-5, 6	TUNNEL LIGHTING PLAN AND DETAIL		
		E-14	TUNNEL PWR & LIGHTING PLANS AND DETAILS		
		E-20	DRUMMOND AVE VENT SHAFT LTG. PLANS & SECTIONS		

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		M-187 187	ROCKVILLE ROUTE TUNNEL POWER PLANS STA. 345+00 TO STA. 357+00
PARSONS ASSOCIATES THE RALPH M. PARSONS COMPANY SECTION DESIGNER	DE LEUW, CATHY & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURE CONSULTANT		

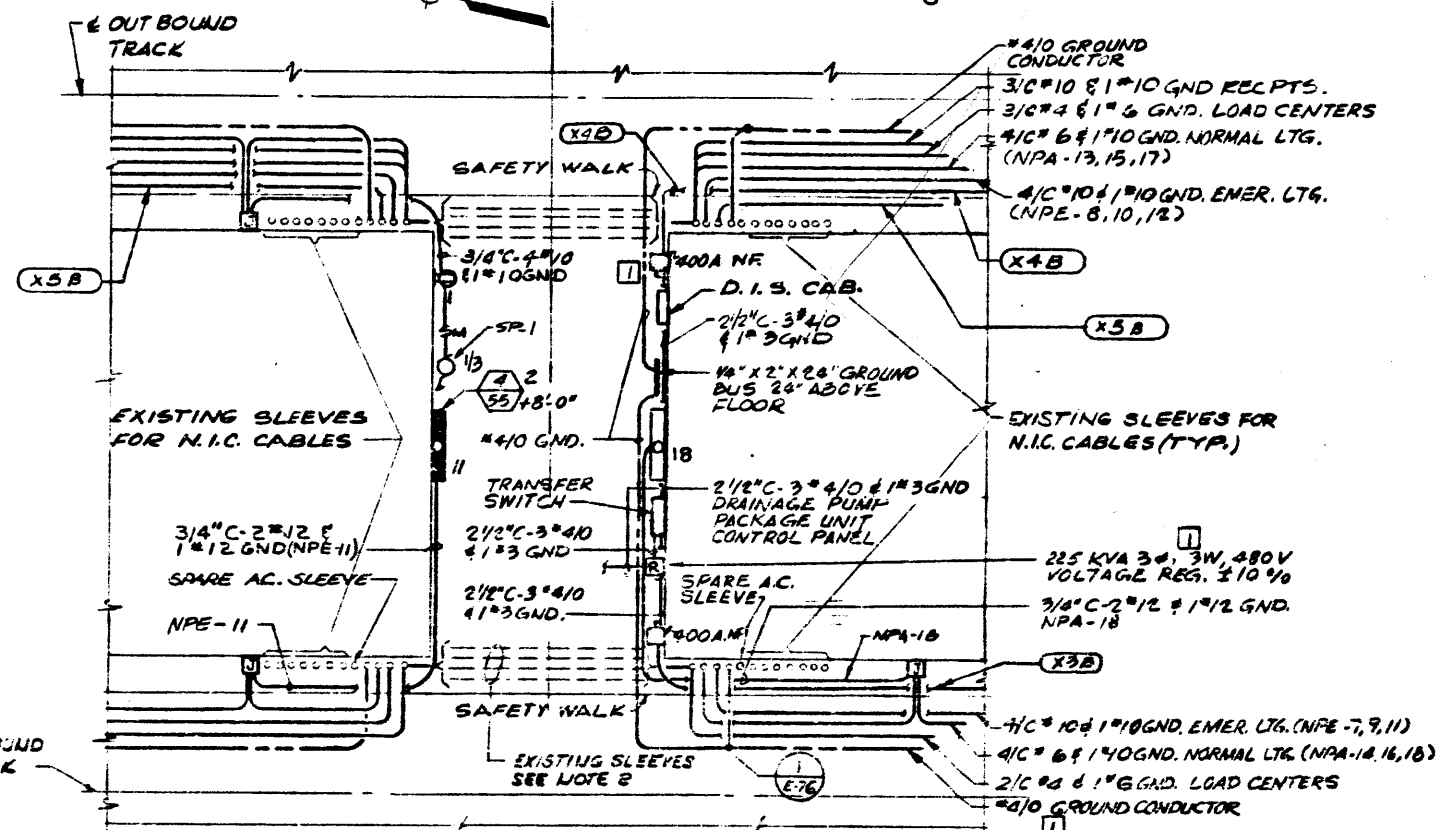


POWER PLAN
SCALE: 1" = 40'-0"

- NOTES:**
1. SEE DWG. E-10 FOR GENERAL NOTES
 2. ROUTE CABLES ACROSS ADJT THROUGH E. SLEEVES AS SHOWN.
 3. IN PUMPING STATION, ALL MOTOR & STEEL STRUCTURES AND PIPING WHEN EXPOSED WITHIN STATION SHALL BE GROUND TO GROUND BUS.
 4. N.A.
 5. DRAINAGE PUMP MOTOR STARTERS & C. SHALL PREVENT SIMULTANEOUS START



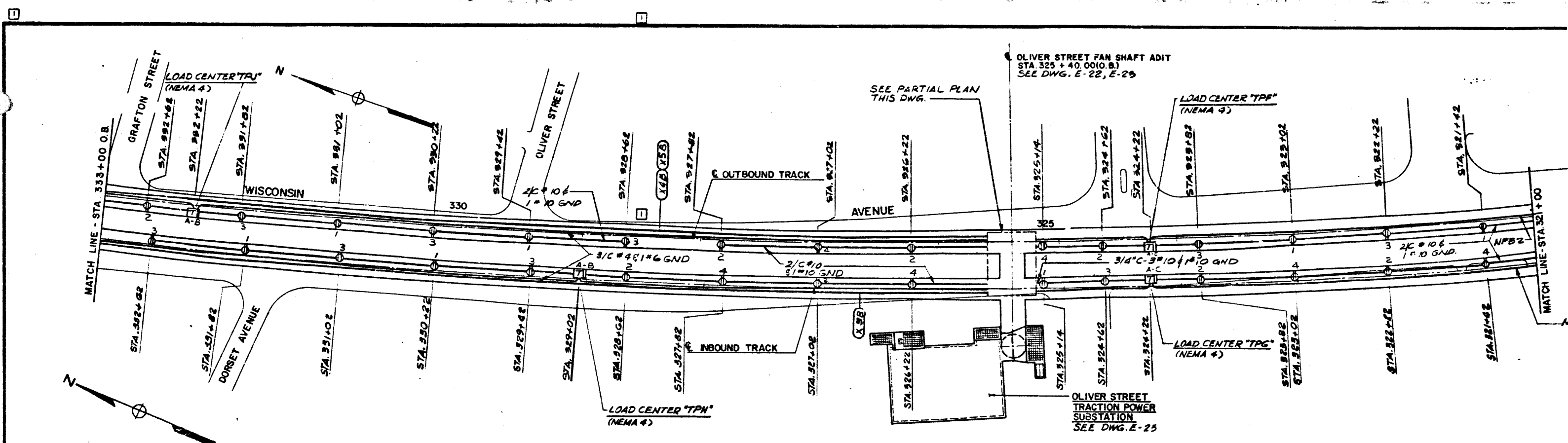
DRUMMOND AVE. DRAINAGE PUMPING STATION
ONE LINE DIAGRAM



DRUMMOND AVE. DRAINAGE PUMPING STATION POWER & LIGHTING PLAN
SCALE: 3/16" = 1'-0" E-6

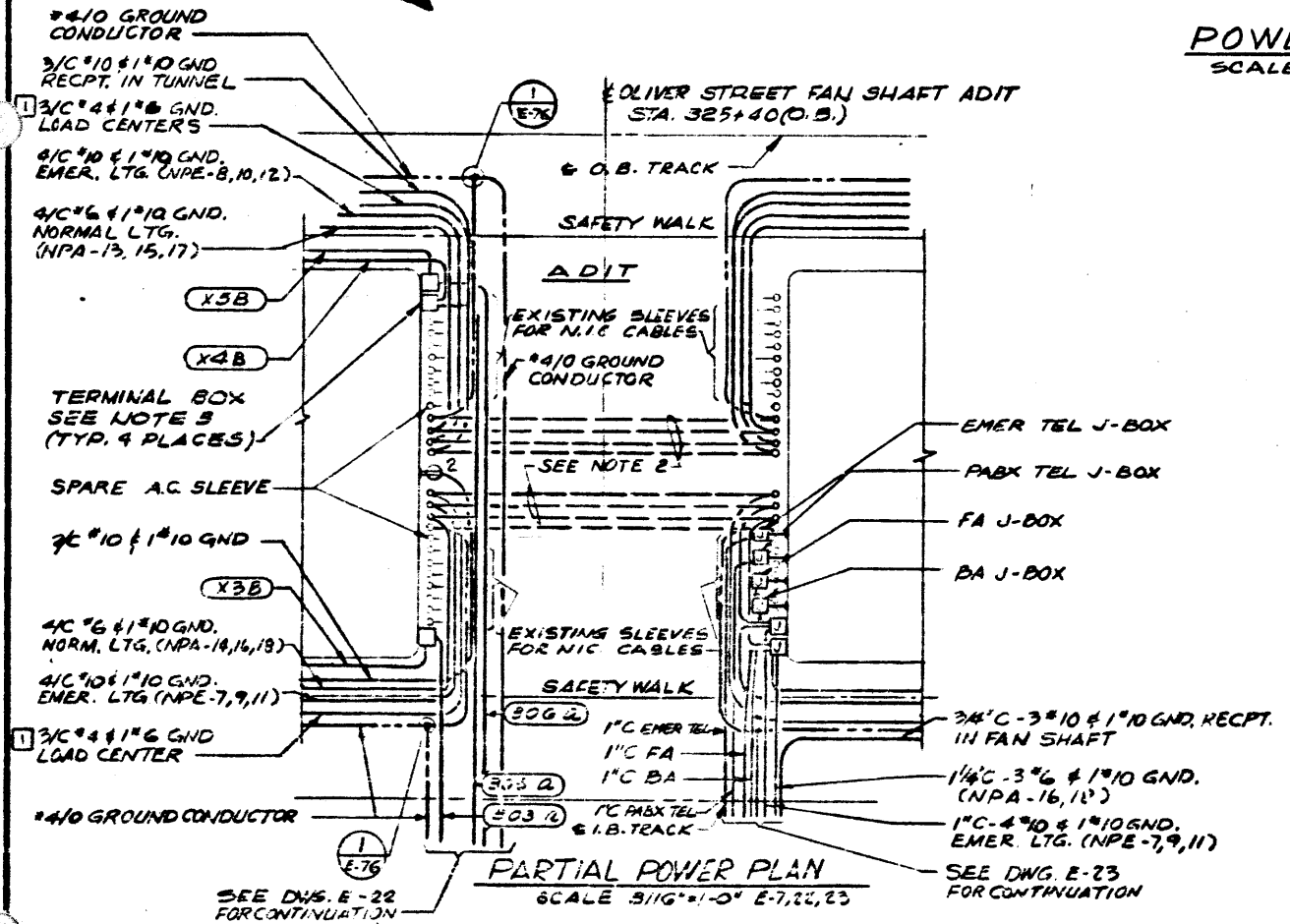
DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
M. FEUERSTEIN	4-4-73	A-4	DRUMMOND AVE VENT SHAFT PLANS & SECTIONS	5-18-81	GENERAL REVISION PER P.O. # 1
F. MAR	4-12-73	M-15	DRUMMOND AVE. DRAINAGE PUMPING STATION - PLAN AND SECTIONS		
L. ABRAHAM	10-14-73	E-6, 13, 14	TUNNEL LTG & PWR PLANS AND DETAILS		
		E-18, 20	DRUMMOND AVE VENT SHAFT LTG & PWR PLANS		
		E-24	OLIVER ST T.P.S. A.C. AUXL. POWER		

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		M-1886	ROCKVILLE ROUTE
PARSONS ASSOCIATES THE HALPH M. PARSONS COMPANY SECTION DESIGNER		TUNNEL POWER & LIGHTING PLANS & DETAIL STA 333+00 TO STA 345+00	
DE LEUV, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT		SCALE: 1" = 40' 20' 0' 20' 40' AND AS NOTED	
HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT		DRAWING NO. FA10-E-14 M.	



POWER PLAN
SCALE = 1" = 40'-0"

- NOTES:**
1. SEE DWG. E-10 FOR GENERAL NOTES.
 2. ROUTE CABLES ACROSS ADIT THROU EXISTING SLEEVES AS SHOWN.
 3. SEE DETAIL-1, DWG. E-75 FOR TERMINAL BOX DETAILS.

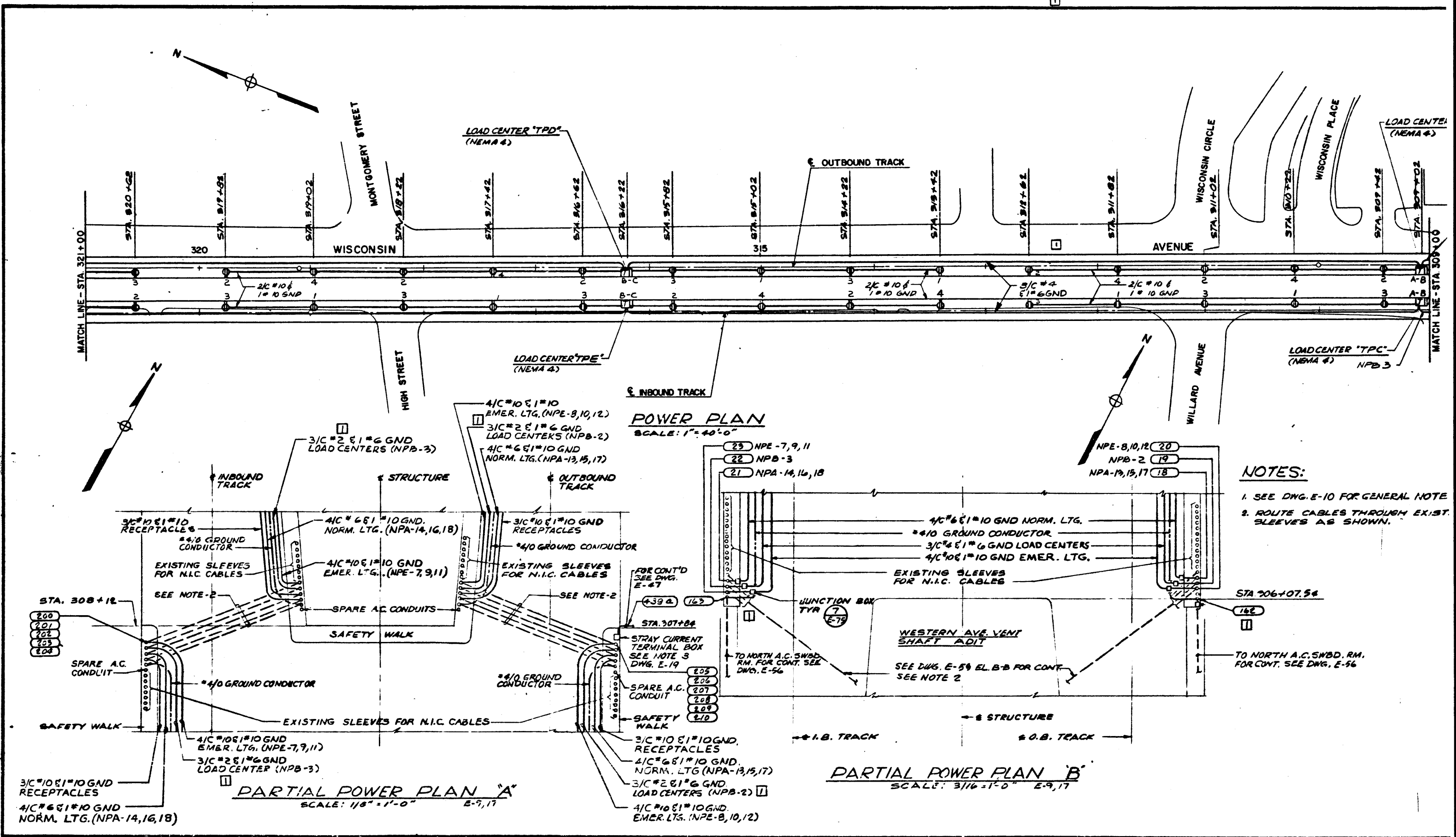


PARTIAL POWER PLAN
SCALE 3/16" = 1'-0" E-72, 23

DESIGNED	M. FEUERSTEIN	4-3-73
DRAWN	F. MAR	4-11-73
CHECKED	L. ARRAMAN	10-15-75
APPROVED	<i>[Signature]</i>	12/27/77

NUMBER	DESCRIPTION	DATE	BY	REVISIONS
S-5	OLIVER STREET FAN SHAFT PLANS	5-18-81	[Signature]	GENERAL REVISION PER PCO #1
A-5	OLIVER STREET FAN SHAFT PLANS & SECTIONS			
A-6	OLIVER ST. T.P.S.S. PLANS AND STATIONS			
M-6	OLIVER ST. FAN SHAFT PLANS & SECTIONS			
E-7, 22, 23	OLIVER ST. FAN SHAFT PWR & LTG. PLANS & SECTION			
E-25	OLIVER ST. T.P.S.S. LTG. & POWER PLAN			

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		M-189
PARSONS ASSOCIATES THE RALPH M. PARSONS COMPANY SECTION DESIGNER SUBMITTED BY: <i>[Signature]</i>		ROCKVILLE ROUTE TUNNEL POWER PLANS STA. 321+00 TO STA. 333+00
DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT		SCALE: 1" = 40' AND AS NOTED
HARRY WEISE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT APPROVED: <i>[Signature]</i>		DRAWING NO. FA10-E-15 M2



- NOTES:**
1. SEE DWG. E-10 FOR GENERAL NOTE
 2. ROUTE CABLES THROUGH EXIST. SLEEVES AS SHOWN.

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
M. FEUERSTEIN	4-11-73	M-12	MECHANICAL PLAN AND PROFILE	5-18-81	11
F. MAR	4-17-73	E-8,9	TUNNEL LIGHTING PLAN		
L. ABRAHAM	10-15-75	E-17	TUNNEL POWER PLAN		
		E-19	MCRWOODR FAN SHAFT LTG. PLANS & SECTIONS		
		E-47	N.E. ENTR. & ELEVATOR NO. 1 POWER PLANS		
		E-53	NORTH SERV. RMS. - SECTIONS AND ELEVATIONS		

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

PARSONS ASSOCIATES
THE RALPH M. PARSONS COMPANY
SECTION DESIGNER

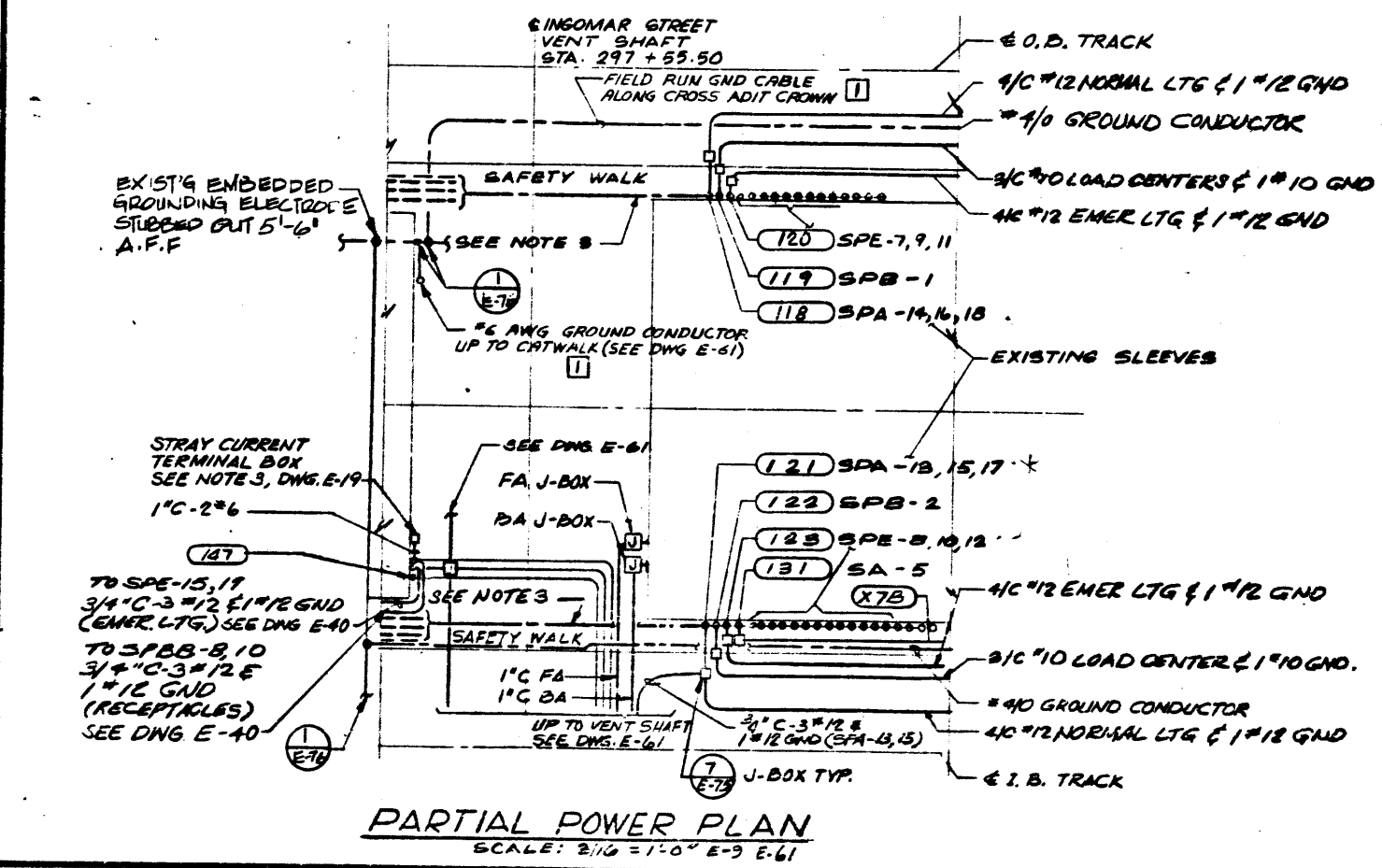
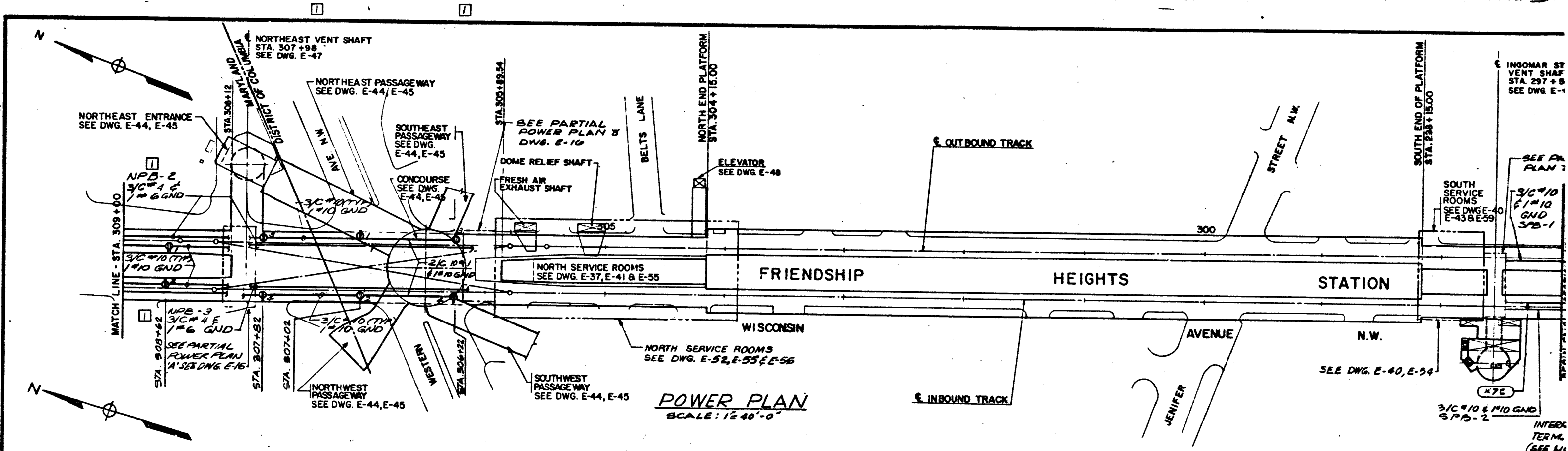
DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

M-190 ROCKVILLE ROUTE
TUNNEL POWER PLANS
STA. 309+00 TO STA. 321+00

SCALE: 1"=40'
AND AS NOTED

DRAWING NO. **FA10-E-16**



- NOTES:**
- SEE DWG. E-10 GENERAL NOTES.
 - EXISTING INTERFACE TERMINAL BOXES. EXTE CIRCUITS AS SHOWN FOR TUNNEL LOAD CENTER ELLICOTT ST. FAN SHAFT FEEDER
 - ROUTE CABLES ACROSS ADIT TROUGH EXISTIN SLEEVES.

DESIGNED	M. FEUERSTEIN	9-17-75	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	F. MAR	10-8-75	DATE	S-7	INGOMAR ST VENT SHAFT PLANS AND SECTIONS	5-16-81	A. J. J.	GENERAL REVISION PER PCO #1.
CHECKED	L. ABRAHAM	10-15-75	DATE	A-9	CONCOURSE AND PASSAGEWAY PLAN			
APPROVED	[Signature]	11-17-75	DATE	A-22	INGOMAR ST VENT SHAFT PLANS AND SECTIONS			
				M-12	MECHANICAL PLAN AND PROFILE			
				M-37B.39	INGOMAR ST VENT SHAFT PLANS AND SECTIONS			
				E-	FOR ADDITIONAL DWG NO SEE ABOVE PLANS			

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

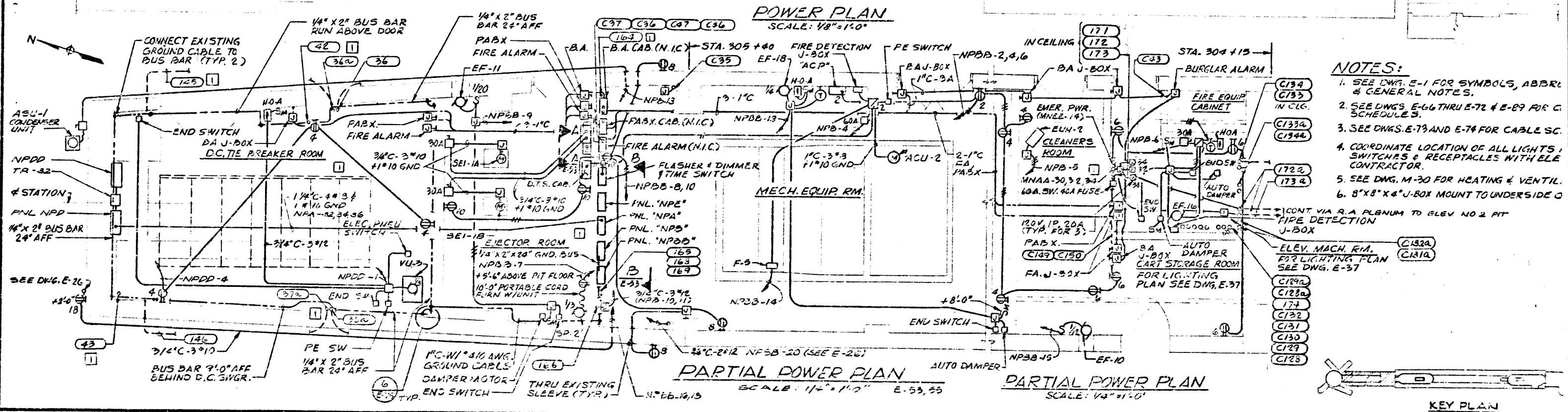
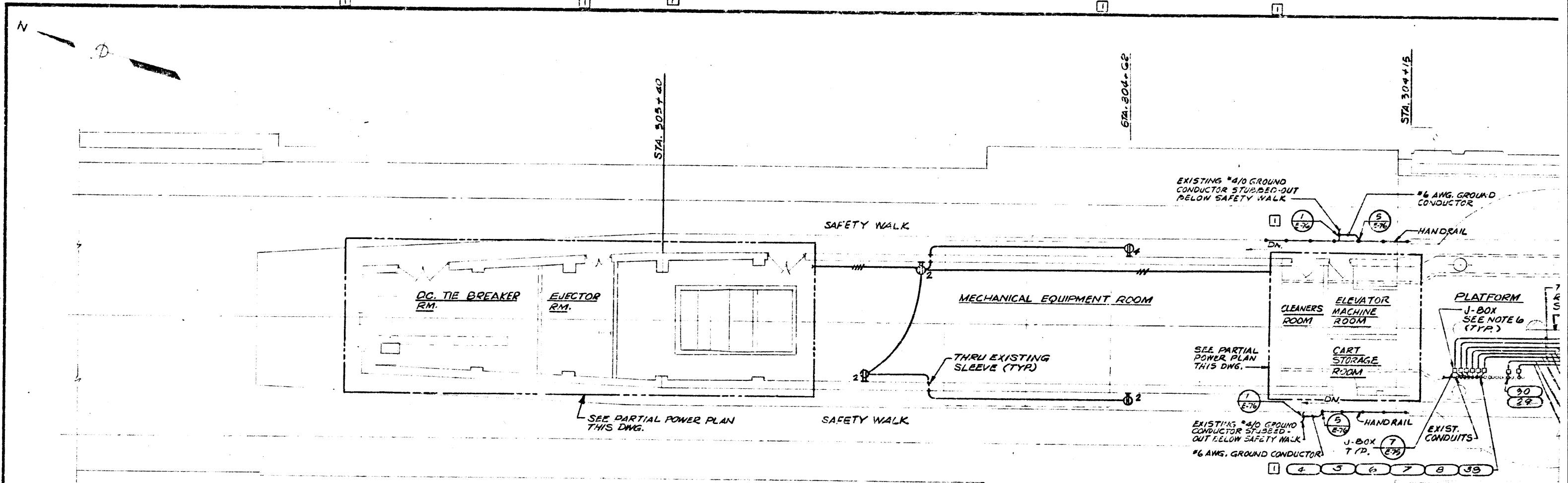
PARSONS ASSOCIATES
THE RALPH M. FARSONS COMPANY
SECTION DESIGNER

DE LEUW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

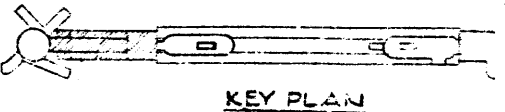
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SCALE: 1" = 40'
AND AS NOTED

DRAWING NO. FA10-E-17 M2



- NOTES:**
1. SEE DWG. E-1 FOR SYMBOLS, ABBR. & GENERAL NOTES.
 2. SEE DWGS. E-66 THRU E-72 & E-89 FOR C. SCHEDULES.
 3. SEE DWGS. E-73 AND E-74 FOR CABLE SC.
 4. COORDINATE LOCATION OF ALL LIGHTS, SWITCHES & RECEPTACLES WITH ELE. CONTRACTOR.
 5. SEE DWG. M-30 FOR HEATING & VENTIL.
 6. 8"X8"X4" J-BOX MOUNT TO UNDERSIDE OF



DESIGNED	M. FEUERSTEIN	7-17-73	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	F. MAR	7-28-72	DATE	A-13	SERVICE ROOM & STATION PLANS PLATFORM LEVEL	5-13-81		GENERAL REVISION PER P10 #1
CHECKED	L. ABRAHAM	10-15-75	DATE	M-28	NORTH SERVICE RMS. PLAT. LEVEL - BRAT PLANS			
APPROVED			DATE	E-37	NORTH SERV. RMS. PLAT. LEVEL - LIGHTING PLAN			
			DATE	E-53, 57	NORTH SERV. RMS. - SECTIONS & ELEVATIONS			
			DATE	E-75	MISCELLANEOUS DETAILS			

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

PARSONS ASSOCIATES
THE RALPH M. PARSONS COMPANY
SECTION DESIGNER

DE LEUW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEISE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANTS

M-225 ROCKVILLE ROUTE
FRIENDSHIP HEIGHTS STATION
NORTH SERVICE ROOMS-PLATFORM LEVEL - POW

SCALE: 1/8" = 1'-0" DRAWING NO. FA10-E-52

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
4	E-27, 52, 55	NORTH A.C. SWBD. RM.	PLATFORM R.A. PLENUM	SUBSTATION TIE	4"	*	277/480	X9	SUB STA "NSB" SEE NOTE 3
5					4"	*		X10	
6					4"	*		X11	
7					4"	*		X12	
8	E-52, 55, 56	NORTH A.C. SWBD. RM. D.T.S. CABINET		D.T.S.	3"	*	28	X26	
9	E-53, 54	NORTH A.C. SWBD. RM.	NORTH MECH. EQUIP. RM. PLATFORM LEVEL	PNL. "NPA" FDR.	2"	*	277/480	4#4 1#4GND	PNL. "NPA" SEE NOTE 3
10				PNL. "NPB" FDR.	3"	*		4#10 1#6GND	PNL. "NPB" SEE NOTE 3
11	E-53, 55, 56			PNL. "NPE" FDR.	1"	*		4#10 1#6GND	PNL. "NPE" SEE NOTE 3
12	E-37, E-53	NORTH MECH. EQUIP. RM. PLATFORM LEVEL	O.B. SAFETY WALK	STATION LIGHTING	1"	*		4#12 1#12GND	PNL. "NPA" SEE NOTE 3
13	E-58, E-53			EMERGENCY LIGHTING	1"	*			PNL. "NPA" SEE NOTE 3
14				EMERGENCY LIGHTING	1"	*			PNL. "NPE" SEE NOTE 3
15	E-37, 53		I.B. SAFETY WALK	STATION LIGHTING	1"	*			PNL. "NPA" SEE NOTE 3
16	E-38, E-53			EMERGENCY LIGHTING	1"	*			PNL. "NPA" SEE NOTE 3
17				EMERGENCY LIGHTING	1"	*			PNL. "NPE" SEE NOTE 3
18	E-16, E-53		O.B. SAFETY WALK NORTH	NORMAL LIGHTING	1 1/4"	*		4#10 1#12GND	PNL. "NPA" SEE NOTE 3
19				LOAD CENTER PANELS FEEDER	1 1/4"	*	480	3#4 1#6GND	PNL. "NPB" SEE NOTE 3
20				EMERGENCY LIGHTING	1 1/4"	*	277/480	4#10 1#10GND	PNL. "NPE" SEE NOTE 3
21	E-16, E-53	NORTH MECH. EQUIP. RM. PLATFORM LEVEL	I.B. SAFETY WALK NORTH	NORMAL LIGHTING	1 1/4"	*	277/480	4#10 1#10GND	PNL. "NPA" SEE NOTE 3
22				LOAD CENTER PANELS FEEDER	1 1/4"	*	480	3#4 1#6GND	PNL. "NPB" SEE NOTE 3
23				EMERGENCY LIGHTING	1 1/4"	*	277/480	4#10 1#10GND	PNL. "NPE" SEE NOTE 3
24	E-37, E-53		PLATFORM R.A. PLENUM	FLAT PYLON LIGHTS NORMAL LIGHTING	1"	*		2#12 1#12GND	PNL. "NPA" SEE NOTE 3
25				FLAT PYLON LIGHTS EMERGENCY LIGHTING	1"	*	277	2#12 1#12GND	PNL. "NPE" SEE NOTE 3
26				PLAT. CONV. OUTLETS	1"	*	120/208	7#12 1#12GND	PNL. "NPBB" SEE NOTE 3
27			PLATFORM I.B. EDGE	PLAT. EDGE LIGHTS	1"	*	120/208	4#10 1#10GND	FLASHER SEE NOTE 3
28	E-53, 55, 56		NORTH A.C. SWBD. RM.	D.T.S.	3/4"	*	28VDC	2#12	FLASHER SEE NOTE 3
29	E-52, E-55	NORTH A.C. SWBD. RM.	PLATFORM R.A. PLENUM	TIE BREAKER INTERLOCK	2"	*		X19	SUB STA (NSB) SEE NOTE 3
30	E-37, 52, 55			METERING TIE	1 1/2"	*			BY UNIT VIA PERCO SEE NOTES 4 & 5
30a	E-37, 52, 55	S. PLATFORM R.A. PLENUM	N. PLATFORM R.A. PLENUM		1 1/2"	GRS			CONT. VIA SEE NOTE 3 (120)
38	E-55, 52	PLATFORM R.A. PLENUM	NORTH A.C. SWBD. RM.	TR-3 FEEDER	1 1/2"	*	480	X140	TRANS. TR-3 SEE NOTE 3
1	E-26, 55, 57	STREET LEVEL	NORTH A.C. SWBD. RM.	PERCO SERVICE	5"	*			BY PERCO
2					5"	*			
3					5"	*			
53	E-42, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY SLAB - SOUTH END	MAP CASE & TEL. LTG.	1"	*	120	2#12	CKT. MND09
43	E-52, 55	D.C. TIE BRK. RM.	NORTH A.C. SWBD. RM.	D.C. CONTROL	2"	*	125VDC		
59b	E-58	LOWER PASSAGEWAY SLAB SOUTH END	MEZZANINE FLOOR	MAP CASE & TEL. LTG.	1"	GRS	120	2#12	CKT. MND09
54	E-42, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY SLAB SOUTH END	PYLON EMERGENCY LIGHTS	3/4"	*	277		PNL. "NME" SEE NOTE 3
54a	E-42	LOWER PASSAGEWAY SLAB SOUTH END	MEZZANINE PYLON LIGHTS	PYLON EMERGENCY LIGHTS	3/4"	GRS	277		PNL. "NME" SEE NOTE 3
55	E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY	RECEPTACLE	3/4"	*	120		PNL. "MTPB" SEE NOTE 3
56	E-45, E-57, E-55	NORTH A.C. SWBD. RM.	ELECTRICAL EQUIP. RM. AT CONCOURSE	PNL. "NPOA" FDR.	4"	*	277/480	3#10 1#10GND	PNL. "NPOA" & SNGR NSI-3 SEE NOTE 3
9a	E-55, 56	NORTH A.C. SWBD. RM. JUNCTION BOX	SWBD. "NA"	PNL. "NPA" FDR.	2"	GRS			
10a			SWBD. "NB"	PNL. "NPB" FDR.	3"	GRS			
53a	E-58	SEE REMARKS	SEE REMARKS	MAP CASE & TELE LTG	1"	*	120	2#12	CONDUIT SLEEVES IN MEZZ. SLAB

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
57	E-45, E-55, E-57	NORTH A.C. SWBD. RM.	ELECTRICAL EQUIP. RM. AT CONCOURSE	PNL. "NPOA" FDR.	4"	*	277/480	3#10 1#10GND	PNL. "NPOA" & SNGR NSI-3 SEE NOTE 3
58				SPARE	4"	*			PNL. "NPOA" SEE NOTE 3
59				INTERLOCK	2"	*			
60				PNL. "NEE" FDR TR-10	1 1/4"	*	480	3#10 1#10GND	PNL. "NME" SEE NOTE 3
61	E-37	NORTH MECH. EQUIP. RM. PLATFORM LEVEL	PLATFORM R.A. PLENUM	SPARE	1"	*			
62			PLATFORM O.B. EDGE		1"	*			
61	E-42, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY SLAB SOUTH END	EMERGENCY LIGHTING	1"	*	120/208	WIRING BY OTHERS	CKT. MNEE-15/17 SEE NOTE 3
61a	E-58	LOWER PASSAGEWAY SLAB SOUTH END	KOISK	EMERGENCY LIGHTING	1"	GRS			CKT. MNEE-15/17 SEE NOTE 3
62	E-45, E-55	ELECTRICAL EQUIP. RM. AT CONCOURSE	S.E. PASSAGEWAY	RECEPTACLES	3/4"	*		3#12	PNL. "NPOAA" SEE NOTE 3
63	E-45		ESCALATORWAY MACHINE ROOM	ESCALATOR FEEDER	4"	*	277/480	4#10 1#10GND	PNL. "NPOA" SEE NOTE 3
64				SPARE	4"	*			
65				ESCALATORWAY MACH. RM. LTG & RECP. J.B.	1 1/4"	*	120/208	4#10 1#10GND	PNL. "NPOCC" SEE NOTE 3
66				ESCALATORWAY MACH. RM. EMER. LTG. J.B.	1"	*		2#12	PNL. "NEE" SEE NOTE 3
67	E-45, E-45		CONCOURSE COVE	COVE LIGHTING	1"	*		3#12 1#12GND	PNL. "NPOAA" SEE NOTE 3
68		ELEC. EQUIP. RM. AT CONCOURSE	N.W. ENTRANCE ESCAL. MACH. ROOM	SPARE	2"	*			
69					1 1/2"	*			
70					1"	*			
41	E-55	NORTH A.C. SWBD. RM.	O.B. TUNNEL NORTH		4"	*			
42	E-52, 55	D.C. TIE BREAKER ROOM	NORTH A.C. SWBD. RM.		2"	*			
71	E-45, 45	ELECTRICAL EQUIP. RM. AT CONCOURSE	N.E. PASSAGEWAY	PASSAGEWAY LIGHTING	1"	*	120/208	4#12 1#12GND	PNL. "NPOAA" SEE NOTE 3
72			S.E. PASSAGEWAY		1"	*		4#12	
73			N.W. PASSAGEWAY		1"	*		4#12 1#12GND	
74			S.W. PASSAGEWAY		1"	*		4#12 1#12GND	
75			CENTER OF CONCOURSE	DOME LIGHTING	1"	*	120	2#12	
76			CONCOURSE COVE	SPARE	1"	*			
77				DOME LIGHTING	1"	*	120	2#12 1#12GND	PNL. "NEE" SEE NOTE 3
78			CENTER OF CONCOURSE		1"	*	120	2#12	
79			S.E. PASSAGEWAY	PASSAGEWAY LIGHTING	1"	*	120/208	3#12	
80			S.W. PASSAGEWAY		1"	*		3#12	
81			N.E. PASSAGEWAY		1"	*		4#12 1#12GND	PNL. "NPOAA" SEE NOTE 3
83a	E-45	ELEC. EQUIP. RM. AT CONCOURSE	N.E. ENTRANCE ESCALATOR MACH. RM.	SPARE	1 1/4"	*			
83	E-37	EMER. TRIP STATION NO. 1	PLATFORM R.A. PLENUM	EMERGENCY TRIP	1 1/2"	*			
82	E-45, E-47	ELECTRICAL EQUIP. RM. AT CONCOURSE	N.E. ENTRANCE ESCALATOR MACH. RM.	ESCALATOR #1 FEEDER	2 1/2"	*	277/480	2#10 1#6GND	PNL. "NPOA" SEE NOTE 3
83				ESCALATOR AUX. PWR.	1 1/2"	*	120/208	4#10 1#8GND	PNL. "NPOCC" SEE NOTE 3
84				EMERGENCY LIGHTING	1"	*	120	2#12	PNL. "NEE" SEE NOTE 3
34	E-37	EMER. TRIP STATION NO. 2	PLATFORM R.A. PLENUM	EMERGENCY TRIP	1 1/2"	*			
86	E-45, 55, 57	NORTH MECH. EQUIP. RM. MEZZANINE LEVEL	ELEC. EQUIP. RM. AT CONCOURSE	THERMOST. AT CONTROL	3/4"	*	120	2#12	
87	E-45, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY CLG.	PASSAGEWAY CLG.	3/4"	*		2#12	PNL. "MNA" SEE NOTE 3
88					3/4"	*	120/208	4#12 1#12GND	
89					3/4"	*		4#12 1#12GND	
35	E-37	EMER. TRIP STATION NO. 1	EMER. TRIP STATION NO. 2	EMERGENCY TRIP	1 1/2"	*			
36	E-37	EMER. TRIP STATION NO. 2	TIE BREAKER STATION		1 1/2"	*			

- NOTES:**
- SEE DWG. E-1-FU ABBREVIATIONS = G
 - * DENOTES 1 CONDUIT IS 2
 - EXTEND EXIS CONDUIT FLU. FLOOR, UP TO OR EQUIP. DESIGNATED
 - CONDUCTORS CONDUIT ARE. & INSTALLED

DESIGNED M. FEUERSTEIN 8-1-75 DATE		REFERENCE DRAWINGS		REVISIONS	
DRAWN F. MAR 8-4-75 DATE		NUMBER	DESCRIPTION	DATE	BY
CHECKED L. ABRAHAM 10-13-75 DATE				5-12-80	M
APPROVED W. L. MANN 10-13-75 DATE				5-16-81	M

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

M-239 ROCKVILLE ROUTE
POWER CONDUIT SCHEDULE
SCALE NONE DRAWING NO. FA10-E-66 M

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
90	E-41, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY CLG.	PASSAGEWAY CLG.	3/4"	*	120/208	4#12 #1#12GND	PNL. "MNEE" SEE NOTE 3
91	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	PYLON LIGHTS	1"	*	277/480	3#12	PNL. "MNA" SEE NOTE 3
91a	E-42	LOWER PASSAGEWAY SLAB - SOUTH END	MEZZANINE PYLON LTG.		1"	GRS		3#12	
92	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	CEILING LIGHTS BELOW MEZZANINE	1"	*	277	3#12	PNL. "MANA" SEE NOTE 3
92a	E-42	LOWER PASSAGEWAY SLAB - SOUTH END	CEILING LIGHTS BELOW MEZZANINE	PLATFORM CEILING LTG.	1"	GRS		3#12	
93	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR NO. 1 AUX. PWR	1"	*	120	2#12	PNL. "MNA" SEE NOTE 3
93b	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR PIT NO. 1		1"	GRS		2#12	
94	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATORS NO. 2 & 3 AUX. PWR	1"	*		2#12	
94b	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR PITS NO. 2 & 3		1"	GRS		2#12	
95	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR NO. 1 MOTOR FEEDER	1"	*	480	3#8 #1#10GND	PNL. "MNB" SEE NOTE 3
95a	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR PIT NO. 1	MOTOR FEEDER	1"	GRS	480	3#8 #1#10GND	
96	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATORS NO. 2 & 3 MOTOR FEEDER	1 1/4"	*	480	3#8 #1#10GND	
96a	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR PITS NO. 2 & 3	MOTOR FEEDER	1 1/4"	GRS	480	3#8 #1#10GND	
97	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	MEZZANINE FLOOR RECEPTACLE	1"	*	120	2#12	PNL. "MNB" SEE NOTE 3
97a	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	MEZZANINE RECEPTACLE	RECEPTACLE	1"	GRS	120	2#12	
98	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	CEILING LIGHTS BELOW MEZZANINE	1"	*	277	2#12	PNL. "MNE" SEE NOTE 3
98a	E-42	LOWER PASSAGEWAY SLAB - SOUTH END	CEILING LIGHTS BELOW MEZZANINE	PLATFORM CEILING LIGHTS EMERGENCY	1"	GRS		2#12	
99	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR NO. 1 EMERGENCY LIGHTS	1"	*	120	2#12	PNL. "MNEE" SEE NOTE 3
99a	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR PIT NO. 1	EMERGENCY LIGHTS	1"	GRS	120	2#12	
100	E-42, E-56	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATORS NO. 2 & 3 EMERGENCY LIGHTS	1"	*	120	2#12	
100a	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR PITS NO. 2 & 3	EMERGENCY LIGHTS	1"	GRS	120	2#12	
104	E-28, E-54	SOUTH MECH. EQUIP. RM. MEZZ. LEVEL, PULL BOX "A"	PLATFORM R.A. PLENUM	SUBSTATION TIE	4"	*	277/480	X96	PULL BOX "A" SEE NOTE 3
105					4"	*		X10b	
106					4"	*		X11b	
107					4"	*		X12b	
108	E-54			D.T.S.	3"	*	28V.D.C.	X26b	
101	E-60	STREET LEVEL	SOUTH A.C. SWBD. RM.	PERCO SERVICE	5"	*			WIRING BY OTHERS
102					5"	*			
103					5"	*			
109	E-54, E-59	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	SOUTH A.C. SWBD. RM.	PNL. "SPA" FDR.	2"	*	277/480	4#12 SWBD. "SA" #1#12GND SEE NOTE 3	
110				PNL. "SPB" FDR.	2"	*		3#8 SWBD. "SB" #1#12GND SEE NOTE 3	
111				PNL. "SPE" FDR.	1"	*		4#12 PNL. "SME" #1#12GND SEE NOTE 3	
112	E-42, E-54		O.B. SAFETY WALK	STATION LIGHTING	1"	*		4#12 PNL. "SPA" #1#12GND SEE NOTE 3	
113	E-42, E-54			EMERGENCY LIGHTING	1"	*		4#12 PNL. "SPE" #1#12GND SEE NOTE 3	
114	E-42, E-54				1"	*		4#12 PNL. "SPE" #1#12GND SEE NOTE 3	
109a	E-59	SOUTH A.C. SWBD. RM. JUNCTION - BCK	SWBD. "SA"	PNL. "SPA" FDR.	1 1/2"	GRS		4#12 #1#12GND	
110a	E-59		SWBD. "SB"	PNL. "SPB" FDR.	2"	GRS		3#8 #1#12GND	

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
115	E-42, E-54	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	I.B. SAFETY WALK	STATION LIGHTING	1"	*	277/480	4#12 #1#12GND	PNL. "SPA" SEE NOTE 3
116	E-42, E-54				1"	*		4#12 #1#12GND	
117	E-40, E-54			EMERGENCY LIGHTING	1"	*		2#12 #1#12GND	PNL. "SPE" SEE NOTE 3
118	E-17, E-54		O.B. TUNNEL SOUTH	NORMAL LIGHTING	1 1/4"	*		2#12 #1#12GND	PNL. "SPA" SEE NOTE 3
119				LOAD CENTER PANEL FEEDER	1 1/4"	*	480	3#10 #1#12GND	PNL. "SPB" SEE NOTE 3
120				EMERGENCY LIGHTING	1 1/4"	*	277/480	4#12 #1#12GND	PNL. "SPE" SEE NOTE 3
122	E-40	EMER. TRIP STATION NO. 4	PLATFORM R.A. PLENUM	EMERGENCY TRIP	1 1/2"	*			
123		EMER. TRIP STATION NO. 3			1 1/2"	*			
121	E-17, E-54	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	I.B. TUNNEL SOUTH	NORMAL LIGHTING	1 1/4"	*	277/480	4#12 #1#12GND	PNL. "SPA" SEE NOTE 3
122				LOAD CENTER PANEL FEEDER	1 1/4"	*	480	3#10 #1#12GND	PNL. "SPB" SEE NOTE 3
123				EMERGENCY LIGHTING	1 1/4"	*	277/480	4#12 #1#12GND	PNL. "SPE" SEE NOTE 3
124	E-40, E-54		PLATFORM R.A. PLENUM	PLATF. PYLON LIGHTS NORMAL LIGHTING	1"	*		3#12 #1#12GND	PNL. "SPA" SEE NOTE 3
125				PLATF. PYLON LIGHTS EMERGENCY LIGHTING	1"	*		4#12 #1#12GND	PNL. "SPE" SEE NOTE 3
126				PLATF. COMM. OUTLETS	1"	*	120/208	7#12 #1#12GND	PNL. "SPB" SEE NOTE 3
127	E-54, E-59		PLATFORM O.B. EDGE	PLATF. EDGE LIGHTS	1"	*		4#12 #1#12GND	FLASHER SEE NOTE 3
128			SOUTH A.C. SWBD. RM.	FLASHER & DIMMER UNIT	1"	*	28V.D.C.	2#12	FLASHER & DTS CAB. SEE NOTE 3
129	E-54	SOUTH MECH. EQUIP. RM. MEZZ. LEVEL, PULL BOX "A"	PLATFORM R.A. PLENUM	TIE BREAKER INTERLOCK	2"	*	120	X19b	PULL BOX "A" SEE NOTE 3
130	E-40, E-54	J-BOX AT SOUTH MECH. EQUIP. RM. MEZZ. LEVEL		METERING TIE	1 1/2"	*		#1#12GND	PULL BOX "A" SEE NOTE 3
131	E-17, E-54	SOUTH MECH. EQUIP. RM. MEZZ. LEVEL, PULL BOX "A"	I.B. TUNNEL SOUTH	ELLCOTT ST. FAN SHAFT FEEDER NO. 2	4"	*	480	X7A	PULL BOX "A" SEE NOTE 3
137	E-54	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL		D.T.S.	3"	*	28V.D.C.		
138			PLATFORM R.A. PLENUM	TR-3 FEEDER	1 1/2"	*	480	X14d	PULL BOX "A" SEE NOTE 3
139	E-40, E-46, E-54	FUT. SOUTH ENTRANCE INTERFACE PLATF. LEVEL	FUT. SOUTH ENTRANCE		2"	*	480/277		BY OTHERS
140				SOUTH MEZZ. PWR FDR. ESCALATOR MTR	2"	*	480	X34d	
141				EMER. PWR. - SOUTH MEZ. ESCALATOR	1 1/4"	*	120/208	4#12 #1#12GND	EXTEND CONDUIT THRU "A" TERMINATE IN J-BOX
142				ABOVE PWR. FDR. FOR FUT. SOUTH ENTRANCE	4"	*			BY OTHERS PULL BOX "A" SEE NOTE 3
143				SPARE	2"	*			
144				SOUTH MEZZ. ESCAL. AUX. POWER	2"	*	120	2#12 #1#12GND	
134	E-40	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	I.B. TUNNEL SOUTH	INCLD. EMER. LTG. IN VENT. S.A.P.T.	3/8"	*			
135	E-26, E-56	LOWER PASSAGEWAY VAULT	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	EXHAUST FAN (EF-20)	3/4"	*	480	3#12 #1#12GND	PNL. "MNB" SEE NOTE 3
158	E-40, E-59	SOUTH A.C. SWBD. RM.	PLATFORM - I.B. EDGE	SPARE	1"	*			
162	E-16, E-55, E-56	NORTH A.C. SWBD. RM.	O.B. TUNNEL NORTH	GROUNDING	4"	*		1#4/0	
163			I.B. TUNNEL NORTH		4"	*		1#4/0	
164	E-52	NORTH MECH. EQUIP. RM. PLATFORM LEVEL	O.B. TUNNEL NORTH	SPARE	4"	*			
165			I.B. TUNNEL NORTH		4"	*			
167	E-55	NORTH A.C. SWBD. RM.	NORTH MECH. EQUIP. RM. PLATFORM LEVEL		4"	*			
168	E-52	PLATFORM R.A. PLENUM			4"	*			
169					4"	*			

- NOTES:**
- SEE DWG. E-1 & A ABBREVIATIONS
 - * DENOTES CONDUIT IS E
 - EXTEND EXIST. FLUSH ON W. UP TO PANEL OR DESIGNATED.
 - CONDUCTORS, CONDUIT ARE TO BE INSTALLED PER P.C.O.

DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
M. FEUERSTEIN	8-4-75			NUMBER	DESCRIPTION	DATE	BY
F. MAR	9-7-75						
L. ABRAHAM	10-13-75						

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

PARSONS ASSOCIATES
THE RALPH M. PARSONS COMPANY
SECTION DESIGNER

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

M-240 ROCKVILLE ROUTE
POWER CONDUIT SCHEDULE

SCALE: NONE DRAWING NO. FA10-E-67

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
156	E-24, 50	LOWER PASSAGEWAY	LOWER PASSAGEWAY ELECTRICAL EQUIP. RM.	NORMAL LIGHTING	3/4"	*	120	2#12	PNL. MNA SEE NOTE 3
157	E-24, 50			RECEPTACLES	3/4"	*	120	2#12	PNL. MNB SEE NOTE 3
160	E-42, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY SLAB - SOUTH END	SPARE	1"	*			
160a	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR PIT NO. 1	SPARE	1"	GRS			
161	E-42, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY SLAB - SOUTH END	SPARE	1"	*			
161a	E-58	LOWER PASSAGEWAY SLAB - SOUTH END	ESCALATOR	SPARE	1"	GRS			
183	E-54, 59	SOUTH A.C. SWBD. RM.	O.B. TUNNEL SOUTH	SPARE	4"	*			
160	E-52, 55	NORTH A.C. SWBD. RM.	NORTH MECH. EQUIP. RM. PLATFORM LEVEL	CV-1 & CV-2	4"	*	277	3#12	
170	E-43, E-54	SOUTH MECH. EQUIP. ROOM MEZZANINE LEVEL	SOUTH MECH. EQUIP. ROOM PLATFORM LEVEL	LIGHTING	3/4"	GRS	277	2#12	PNL. "SPA" SEE NOTE 3
171	E-52, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	ELEVATOR MACHINE ROOM PLATFORM LEVEL	ELEVATOR POWER	1 1/4"	*	480	3#10 1#10GND	PNL. "MNA" SEE NOTE 3
172				ELEVATOR AUX. PWR.	1 1/4"	*	120	4#12 1#10GND	PNL. "MNA" SEE NOTE 3
172a	E-59	ELEVATOR MACHINE ROOM PLATFORM LEVEL	PLATFORM R.A. PLENUM ELEVATOR PIT NO. 2	ELEVATOR HOISTWAY LIGHT & RECEPTACLE	1 1/4"	*	120	2#12	
172b	E-49	PLATFORM R.A. PLENUM	ELEVATOR PIT		1 1/4"	*	120	2#12	
173	E-52, E-56	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	ELEVATOR MACHINE ROOM PLATFORM LEVEL	EMERGENCY POWER	1"	*	120	2#12	PNL. "MNEE" SEE NOTE 3
173a	E-52	ELEVATOR MACHINE ROOM PLATFORM LEVEL	PLATFORM R.A. PLENUM ELEVATOR PIT NO. 2		1"	*	120	2#12	
173b	E-49	PLATFORM R.A. PLENUM	ELEVATOR PIT		1"	*	120	2#12	
174	E-52	ELEVATOR MACHINE ROOM PLATFORM LEVEL	PLATFORM R.A. PLENUM	SPARE	1"	*			
174a	E-49	PLATFORM R.A. PLENUM	ELEVATOR PIT		1"	*			
175	E-48, E-54	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	ELEVATOR MACHINE ROOM STREET LEVEL	ELEVATOR POWER	1 1/4"	*	480	3#10 1#10GND	PNL. "MNA" SEE NOTE 3
176				PNL. ELIA FDR.	1 1/4"	*	120/208	4#6 1#10GND	PNL. "MNA" SEE NOTE 3
177				EMERGENCY POWER	1"	*	120	2#12	PNL. "MNEE" SEE NOTE 3
178					3/4"	*	277	2#12	PNL. "MNEE" SEE NOTE 3
179	E-40, 59	STUB OUT SOUTH END WALL PLATFORM R.A. PLENUM	SOUTH MECH. EQUIP. RM. MEZZANINE LEVEL	ELEVATOR NO. 3 EMERGENCY LIGHTING	1"	*	120	2#12	PNL. SEE
179a	E-40	SOUTH END WALL PLATFORM R.A. PLENUM	ELEVATOR MACH. RM. NO. 3 J-BOX PLATFORM UNDER		1"	GRS			
184	E-54, 59	SOUTH A.C. SWBD. RM.	O.B. TUNNEL SOUTH	SPARE	4"	*			
180	E-44, 59	SOUTH MECH. EQUIP. RM. MEZZANINE LEVEL	STUB OUT END WALL MEZZANINE UNDER	PYLONS NORMAL LIGHTING	1"	*	277/480	3#12	
181				MEZZANINE LIGHTING	1 1/4"	*	120	3#12	
182				MEZZANINE LIGHTING	1"	*	120/208	3#12	
180a	E-47, 59	PNL. MSA S. MECH. EQUIP. RM. MEZZANINE LEVEL	PYLONS LIGHTING AT MEZZANINE LEVEL	PYLONS NORMAL LIGHTING	1"	GRS	277/480	3#12	PNL. "MSA" SEE NOTE 3
181a		PNL. MSAB S. MECH. EQUIP. RM. MEZZANINE LEVEL	LIGHTING AT MEZZANINE LEVEL	MEZZANINE LIGHTING	3/4"		120	2#12	PNL. "MSAB" SEE NOTE 3
182a		PNL. MSAB S. MECH. EQUIP. RM. MEZZANINE LEVEL	NORMAL LIGHTING MEZZANINE LEVEL	MEZZANINE LIGHTING	1"		277/480	3#12	PNL. "MSA" SEE NOTE 3
187	E-44, 59	SOUTH A.C. SWBD. ROOM	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	D.T.S.	4"	*	28VDC	4#12	
189	E-52, E-56	ELEC. EQUIP. RM. LOWER PASSAGEWAY	ELEC. EQUIP. RM. AT CONCOURSE J-BOX	SURFACE PYLON LIGHT	3/4"	*	277	2#12	PNL. "MNA" SEE NOTE 3
189a	E-44, 45	ELEC. EQUIP. RM. AT CONCOURSE J-BOX	SURFACE PYLON LIGHT AT NORTHEAST ENTRANCE		3/4"	*	277	2#12	
190	E-56	ELEC. EQUIP. RM. LOWER PASSAGEWAY	LOWER PASSAGEWAY WALL	MAP CASE LTG.	1"	*	120	2#12	LET. MNA-16 SEE NOTE 3
185	E-54	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	O.B. TUNNEL SOUTH	SPARE	4"	*			
147	E-50, 64	INGOMAR ST. VENT SHAFT ADIT	EMERGENCY TRIP STATION #3	EMERGENCY LIGHTING	3/4"	*	120	2#10	
148	E-50	EMERGENCY TRIP STATION #4			3/4"	*	120	2#10	
149	E-37, 56	ELEC. EQUIP. ROOM LOWER PASSAGEWAY	EMERGENCY TRIP STATION #2		3/4"	*	120	2#12	PANEL "MNEE" SEE NOTE 3
150	E-37	EMERGENCY TRIP STATION #1			3/4"	*	120	2#12	
180b	E-46	EXTEND CONDUIT END WALL MEZZANINE UNDER	PYLONS LIGHTS & SOUTH MEZZANINE UNDER	PYLONS LIGHTING	1"	GRS	277/480	3#12	PNL. "MSA" SEE NOTE 3
181b		EMER. CIRC. IT - BOX (CONDUIT MEZ)	EMERGENCY LIGHTS & SOUTH MEZZANINE UNDER	EMERGENCY LIGHTING	1"		277	2#12	PNL. "MNEE" SEE NOTE 3
182b		EXTEND CONDUIT END WALL MEZZ UNDER	NORMAL LIGHTS & SOUTH MEZZANINE UNDER	NORMAL LIGHTING	1"		277/480	3#12	PNL. "MSA" SEE NOTE 3

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
300	E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	EMERGENCY LIGHTING	3/4"	*	277	2#10	
300b	E-29, E-25	OLIVER ST. FAN SHAFT UPPER STRUCTURE	J-BOX AT ADIT	EMERGENCY LIGHTING	3/4"	GRS	277	2#10	
186	E-54	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	O.B. TUNNEL SOUTH	SPARE	4"	*			
302	E-24, E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	OLIVER ST. FAN SHAFT FEEDER NO. 1	4"	*	480	X1	PNL. "RS2" SEE NOTE 3
302a	E-22, E-24, E-25	OLIVER ST. FAN SHAFT UPPER STRUCTURE	DISCONNECT SW.		4"	GRS	480	X1A	
303	E-24, E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	DRUMMOND AVE. PUMPING STATION FEEDER NO. 2	3"	*	480	X3	PNL. "RS2" SEE NOTE 3
303a	E-15, E-22, E-24, E-25	OLIVER ST. FAN SHAFT UPPER STRUCTURE	OLIVER ST. ADIT I.B. SAFETY TERM. BOX		3"	GRS	480	X3A	
188	E-54, 59	SOUTH A.C. SWBD. RM.	SOUTH MECH. EQUIP. RM. PLATFORM LEVEL	SPARE	4"	*			
304a	E-24, E-22, E-24	OLIVER ST. FAN SHAFT UPPER STRUCTURE	DISCONNECT SW.	OLIVER ST. FAN SHAFT FDR. NO. 2	1"	GRS	480	X2A	
304	E-25, 24	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	OLIVER ST. FAN SHAFT FEEDER NO. 2	1"	*	480	X2	PNL. "RS1" - 4" SEE NOTE 3
305	E-24, E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	DRUMMOND AVE. PUMPING STA. FEEDER NO. 1	3"	*	480	X4	PNL. "RS1" SEE NOTE 3
305a	E-15, E-22, E-24, E-25	OLIVER ST. FAN SHAFT UPPER STRUCTURE	OLIVER ST. ADIT O.B. TERM. BOX		3"	GRS	480	X4A	
306	E-24, E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	NORWOOD DR. FAN SHAFT FEEDER NO. 2	4"	*	480	X5	PNL. "RS1" SEE NOTE 3
306a	E-15, E-22, E-24, E-25	OLIVER ST. FAN SHAFT UPPER STRUCTURE	OLIVER ST. ADIT I.B. SAFETY WALK / BOX		4"	GRS	480	X5A	
301	E-25	OLIVER STREET TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	EMERGENCY LIGHT	3/4"	*			
307	E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	VOLTAGE REFERENCE	2"	*			
307a	E-22, 25	OLIVER ST. FAN SHAFT UPPER STRUCTURE	J-BOX AT TRACK LEVEL		2"	PVC			
308	E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE		2"	*			
308a	E-22, 25	OLIVER ST. FAN SHAFT UPPER STRUCTURE	J-BOX AT TRACK LEVEL		2"	PVC			
404	E-40	SOUTH SERVICE ROOMS MECH. EQUIP. ROOM	SAFETY WALK AREA	SLEEVE THRU WALL	1"	*			
413					1"	*			
414	E-37	NORTH SERVICE ROOMS MECH. EQUIP. ROOM			1"	*			
439					1"	*			
318	E-25	OLIVER ST. TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	SPARE	1 1/2"	*			
319				SPARE	1 1/2"	*			
309				DTS	3"	*			
310		OUTSIDE TRACTION POWER SUBSTATION	OLIVER ST. TRACTION POWER SUBSTATION	CORROSION CONTROL	3"	*			
326	E-47, 59	PNL. MSA S.A.C. SWBD. RM. MEZZANINE LEVEL	TR-20 S. MECH. EQUIP. RM. MEZZANINE LEVEL	TR-20 FEEDER	3/4"	GRS	480	3#10 1#10GND	
328	E-47, 59	SWBD. SA. SOUTH A.C. SWBD. RM.	PNL. MSA S. MECH. EQUIP. RM. MEZZANINE LEVEL	PNL. MSA FDR.	1 1/4"	GRS	277/480	4#6 1#10GND	
329			TR-22 S. MECH. EQUIP. RM. MEZZANINE LEVEL	TR-22 FEEDER	2"		480	3#10 1#10GND	
311	E-25	OUTSIDE TRACTION POWER SUBSTATION	OLIVER ST. TRACTION POWER SUBSTATION	CORROSION CONTROL	3"	*			
312					3"	*			
313					3"	*			
314		OLIVER STREET TRACTION POWER SUBSTATION	OLIVER ST. FAN SHAFT UPPER STRUCTURE	EMERGENCY TRIP	1 1/2"	*			
315				SPARE	1"	*			
316				EMERGENCY TRIP	1 1/2"	*			

NOTES:
1. SEE DWG. E-1, ABBREVIATIONS
2. * DENOTES OF CONDUIT
3. EXTEND FLU CONDUIT END WALL OR FLG WALL OR EQU. DESIGNATE, SHOWN.

metal light
-> receptacle
EE 5005, 212
Ps 234-82
sketch.

DESIGNED M. FEUERSTEIN 8-6-75		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
1	GENERAL REVISION & ADDED CONDUITS PER PCO #1	5-18-81	LEWIS				

DESIGNED M. FEUERSTEIN 8-6-75
DRAWN F. HAR 8-13-75
CHECKED L. ABRAHAM 10-18-75
APPROVED [Signature] 10-11-75



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
PARSONS ASSOCIATES
THE RALPH M. PARSONS COMPANY
SECTION DESIGNER
SUBMITTED BY [Signature]

M-241 ROCKVILLE ROUTE
POWER CONDUIT SCHEDULE
SCALE NONE
DRAWING NO. FA10-E-68

DE LEEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT
APPROVED [Signature]

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
317	E-25	OLIVER STREET TRACTION POWER SUBSTATION	OLIVER ST. PAN SHAFT UPPER STRUCTURE	EMERGENCY TRIP	1 1/2"	*	-	-	
352	E-55, E-56	NORTH A.C. SWBD ROOM	ELECTRICAL EQUIP. RM. LOWER PASSAGEWAY	PNL "MNA" FEEDER	2"	GRS	277/400	4#12 1#6GND	
353				PNL "MNB" FEEDER	1 1/2"	GRS		4#12 1#6GND	
354				PNL "MNE" FEEDER	1"	GRS		4#12 1#6GND	
355				TRANSF. TR-16 FDR.	2"		480	3#10 1#6GND	
356				TRANSF. TR-4 FDR.	2"		480		
320	E-25	STREET LEVEL	OLIVER STREET TRACTION POWER SUBSTATION	PEPCO SERVICE	5"	*			
400		TRACTION POWER SUBSTATION	AIR EXHAUST SHAFT	LIGHTING	3/4"	*	120	2#12	
401			STAIR		3/4"	*	120	2#12	
402					3/4"	*	120	2#12	
403		FRESH AIR SHAFT	AIR INTAKE SHAFT		3/4"	*	120	2#12	
440		FAN SHAFT UPPER STRUCTURE	EXTERIOR	CORROSION CONTROL	1 1/2"	*			
321		STREET LEVEL	OLIVER STREET TRACTION POWER SUBSTATION	PEPCO SERVICE	5"	*			
494	E-60	INGOMAR ST VENT SHAFT UPPER STRUCTURE	INGOMAR ST. VENT SHAFT FRESH AIR INTAKE SHAFT	LIGHTING	3/4"	*	120	2#12	
435				RECEPTACLE	3/4"	*	120	2#10	
436				CORROSION CONTROL	1 1/2"	*		2#6	
496a		INGOMAR ST. VENT SHAFT FRESH AIR INTAKE SHAFT	EXTERIOR		1 1/2"	*		2#6	
157b	E-78	STUB OUT SOUTH END WALL MEZZANINE UNDER	KIOSK	KIOSK EMER. FDR.	2"	GRS	120/208	1#10 1#6GND	PWR FDR BY OTHERS
151	E-59, 78	SOUTH MECH. EQUIP. RM. MEZZANINE LEVEL	STUB OUT SOUTH END WALL MEZZANINE LEVEL	VENDING MACHINE	2"	*		1#10 1#6GND	
152					2"	*			
153			STUB OUT SOUTH END WALL MEZZANINE UNDER		2"	*			
159				KIOSK EMER. FDR	2"	*		1#10	PWR FDR BY OTHERS
151a	E-47, 59	PNL MSA S. MECH. EQUIP. RM. MEZZANINE LEVEL	SOUTH MECH. EQUIP. RM. MEZZANINE	VENDING MACHINE	2"	GRS		BY OTHERS	PNL "MSAA" SEE NOTE 3
152a					2"	*			
153a				KIOSK ESSEN. FDR	2"	*			
159a		PNL SEE S. MECH. EQUIP. RM. MEZZANINE LEVEL		KIOSK EMER. FDR & GND. COND.	2"			1#10	PNL "SEE NOTE 3" PWR FDR BY OTHERS
177b			SOUTH MECH. EQUIP. RM. WALL	ELEVATOR EMERGENCY LIGHTING	1"		120	3#12	PNL "SEE NOTE 3" SEE NOTE 3
196a	E-59	SOUTH MECH. EQUIP. RM. MEZZANINE LEVEL	PNL "SME" S. AC. SWBD. RM. MEZZANINE LEVEL	EMER. LTR. MEZZANINE LEVEL	1"		277	3#12 1#6GND	PNL "SME" SEE NOTE 3
191	E-59	STUB OUT SOUTH END WALL PLATFORM R.A. PLENUM	SOUTH MECH. EQUIP. RM. MEZZANINE LEVEL	ESSEN. PWR. FDR. ELEVATOR #3	2"	*	480	3#10 1#6GND	PNL "MSA" SEE NOTE 3
192	E-40, 59			AUX. POWER ELEVATOR #3	2"	*	120/208	1#12 1#6GND	
191a	E-60	SOUTH END WALL PLATFORM R.A. PLENUM	ELEVATOR MACH. RM. NO. 3 PLATFORM UNDER	ESSEN. PWR. FDR. ELEVATOR #3	2"	GRS	480	3#10 1#6GND	
192a	E-40			AUX. POWER MEZZANINE ELEVATOR #3	2"		120/208	1#12 1#6GND	
193	E-57	SOUTH MECH. EQUIP. RM. MEZZANINE LEVEL	STUB OUT SOUTH END WALL MEZZANINE UNDER	EF-23 FEEDER	1"	*	480	3#12 1#6GND	PNL "MSA" SEE NOTE 3
194	E-46, 59			EMERGENCY LIGHTING MEZZANINE LEVEL	1"	*	277	3#12	PNL "SME" SEE NOTE 3
197	E-66	STUB OUT SIDE WALL MEZZANINE LEVEL	SOUTH PASSAGEWAY	NORMAL LIGHTING	1"	GRS	277	2#12	PNL "MSA" SEE NOTE 3
198	E-46, 73	SOUTH PASSAGEWAY INTERFACE CABLE PIT	SOUTH ENTRANCE INTERFACE MEZZANINE LEVEL	SPARE	2"				
199	E-46, 73			SPARE	2"				
191a	E-47, 59	PNL MSA S. MECH. EQUIP. RM. MEZZANINE LEVEL	SOUTH MECH. EQUIP. RM. MEZZANINE	ESSEN. PWR. FDR. ELEVATOR #3	1 1/2"		480	3#10 1#6GND	PNL "MSA" SEE NOTE 3
194b	E-46	EXTEND CONDUIT END WALL MEZZANINE UNDER	EMERGENCY LIGHTING MEZZANINE UNDER	EMERGENCY LIGHTING	1"		277	3#12	PNL "SME" SEE NOTE 3

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	WIRE NO. & SIZE	REMARKS
					SIZE	TYPE			
139a	E-46, 73	SOUTH ENTRANCE INTERFACE-PLATF. LEVEL	CABLE PIT SOUTH PASSAGEWAY MEZZANINE LEVEL	FUTURE SOUTH ENTRANCE	2"	GRS	480/277	BY OTHERS	
140a				SOUTH MEZZ ESCAL. MOTOR	2"		480	3#12 1#6GND	
141a				EMER. PWR. SOUTH MEZZ ESCALATOR	1 1/4"		120/208	4#12 1#6GND	
142a				480V PWR. FDR. FOR FUT. SOUTH ENTRANCE	4"		480	BY OTHERS	
143a				SPARE	2"				
144a				SOUTH MEZZ ESCAL. AUX. PWR. FDR	2"		120/208	2#12	
139b	E-46, 73	CABLE PIT SOUTH PASSAGEWAY MEZZANINE LEVEL	FUTURE SOUTH ENTRANCE INTERFACE MEZZ. LEVEL	FUTURE SOUTH ENTRANCE	2"	GRS	480/277	BY OTHERS	
140b	E-46, 73		ESCAL. PIT J-BOX MEZZANINE LEVEL - SOUTH	SOUTH MEZZ ESCAL. MOTOR FDR	2"		480	3#12 1#6GND	
141b	E-46, 73			SOUTH MEZZ ESCAL. EMER. PWR.	1 1/4"		120/208	2#12	
142b	E-46, 73		FUTURE SOUTH ENTRANCE INTERFACE MEZZ. LEVEL	480V PWR. FDR. FOR ESCALATOR PIT	4"		480	BY OTHERS	
143b	E-46, 73		MEZZANINE LEVEL	SPARE	2"				
144b	E-46, 73		ESCAL. PIT J-BOX MEZZANINE LEVEL	SOUTH MEZZ ESCAL. AUX. PWR. FDR	2"		120/208	2#12	
141c	E-46, 73	CABLE PIT SOUTH PASSAGEWAY MEZZANINE LEVEL	FUTURE SOUTH ENTRANCE INTERFACE MEZZ. LEVEL	SPARE	1 1/4"	GRS			
322	E-25	STREET LEVEL	OLIVER STREET TRACTION POWER SUBSTATION	PEPCO SERVICE	5"	*			
323					5"	*			
324					5"	*			
141e	E-47, 59	PNL "SEE" SOUTH MECH. EQUIP. RM. MEZZ. LEVEL	JUNCTION BOX AT SOUTH MECH. EQUIP. RM. MEZZ. LEVEL	EMER. PWR. SOUTH MEZZ ESCAL. EMER. LTR.	1 1/4"	GRS	120/208	4#12 1#6GND	
144d		PNL "MSAB" SOUTH MECH. EQUIP. RM. MEZZ. LEVEL		SOUTH MEZZ ESCAL. AUX. POWER	3/4"		120	2#12	
439	E-47	NORTH EAST ENTRANCE UPPER STRUCTURE	EXTERIOR	STRAY CURRENT	1/2"	*		2#6	
439a	E-16, 47		SAFETY WALK O.B. TRACK		1"	GRS			SEE NOTE 3
198b	E-47, 59	PNL "MSAB" SOUTH MECH. EQUIP. RM. MEZZ. LEVEL	SOUTH MECH. EQUIP. ROOM WALL	AUX. POWER ELEVATOR #3			120/208	4#12 1#6GND	PNL "MSAB" SEE NOTE 3
198c	E-47, 59	SOUTH MECH. EQUIP. RM. MEZZ. LEVEL	ELEVATOR MACH. RM. NO. 3 UNDER PLATFORM	EF-23 FEEDER			480	3#12 1#6GND	
198d	E-47, 59	SOUTH MECH. EQUIP. RM. MEZZ. LEVEL	SOUTH MECH. EQUIP. RM. MEZZ. LEVEL						
325	E-25	STREET LEVEL	OLIVER STREET TRACTION POWER SUBSTATION	PEPCO SERVICE	5"	*			
36	E-52	EMER. TRIP STATION NO. 2	TIE BREAKER STATION	EMERGENCY TRIP	1 1/2"	*			
37		EMER. TRIP STATION NO. 1			1 1/2"	*			
36a		TIE BREAKER STATION	O.B. SAFETY WALK NORTH		1 1/2"	*			
37a			I.B. SAFETY WALK NORTH		1 1/2"	*			
39	E-37	PLATFORM RA PLENUM	NORTH MECH. EQUIP. RM. PLATFORM LEVEL	SPARE	2"	*			
40					2"	*			
50	E-55	NORTH OPERATION ROOM MEZZANINE LEVEL	ATTIC		3/4"	*			

NOTES:
1. SEE DWG. E-1 P. ABBREVIATIONS &
2. * DENOTES 1 CONDUIT IS E
3. EXTEND EXIST CONDUIT FLJLS WALL OR FLOOR, PNL. OR EQUI DESIGNATED SHOWN.

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
M. FEUERSTEIN	8-11-75					
E. MAR	8-27-75			5-13-81	REV	REV. CONDUITS NO'S 354-356, 420-403,
L. ABRAHAM	10-14-75					434-436, 151-152, 159, 159a, 179-194, 191-194, 196, 141a, 144a, 139b, 141b-144b, 141c, 141d, 144a, 192b, 93c, 93b & DELETED 195, 196 &
						ADDED CONDUITS PER PCO #1

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

PARSONS ASSOCIATES
THE RALPH M. PARSONS COMPANY
SECTION DESIGNER

SUBMITTED BY: *[Signature]*

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

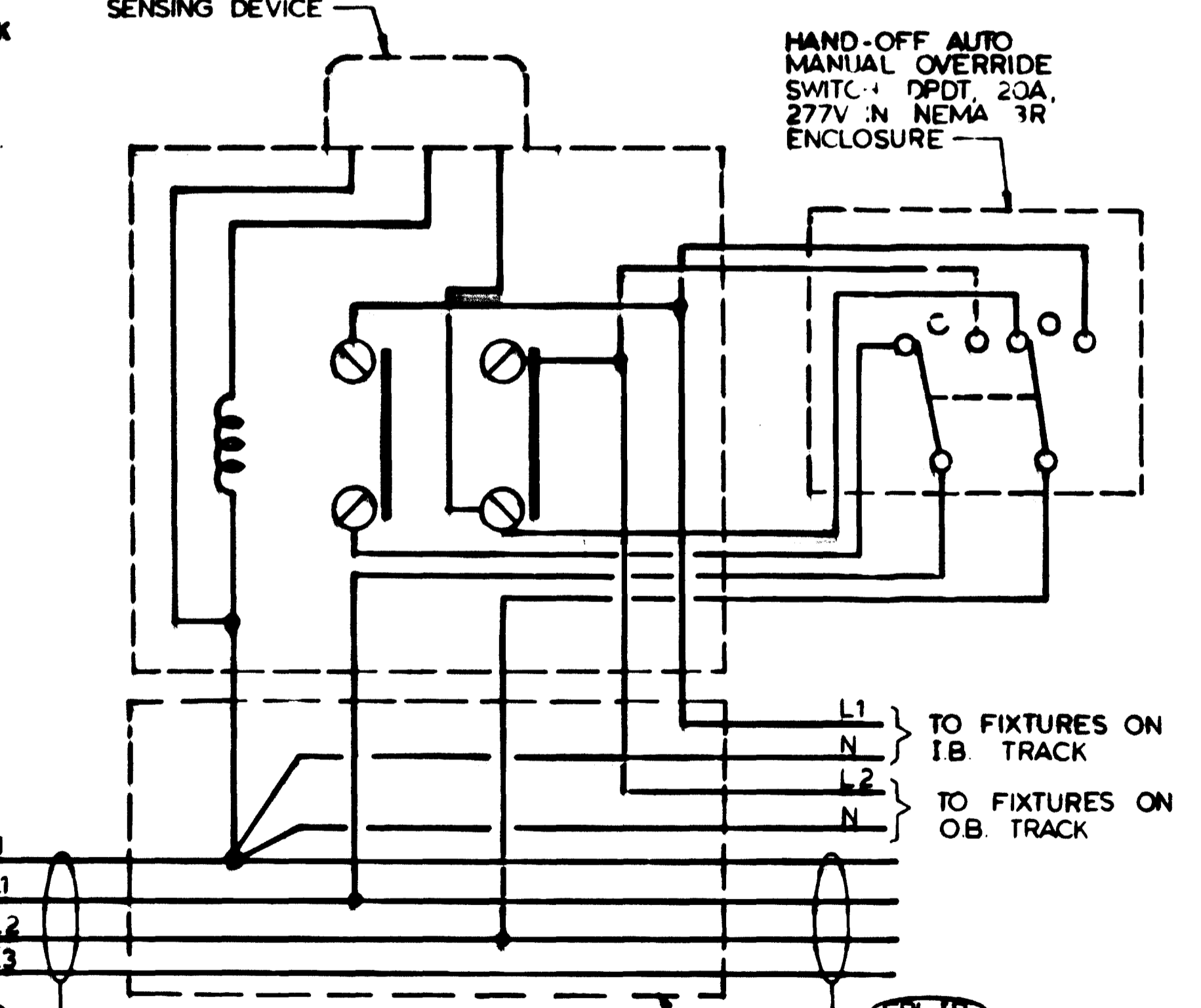
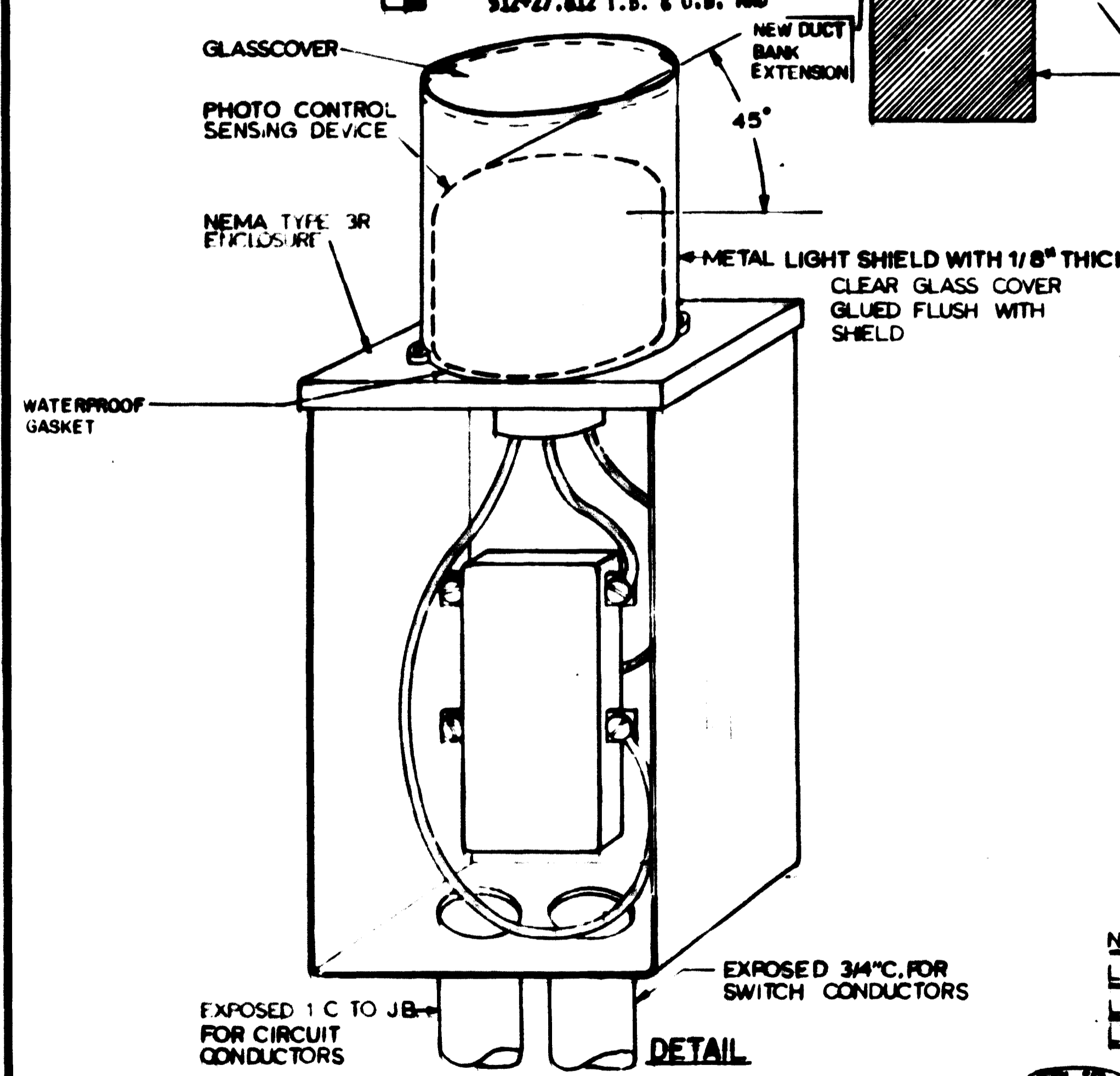
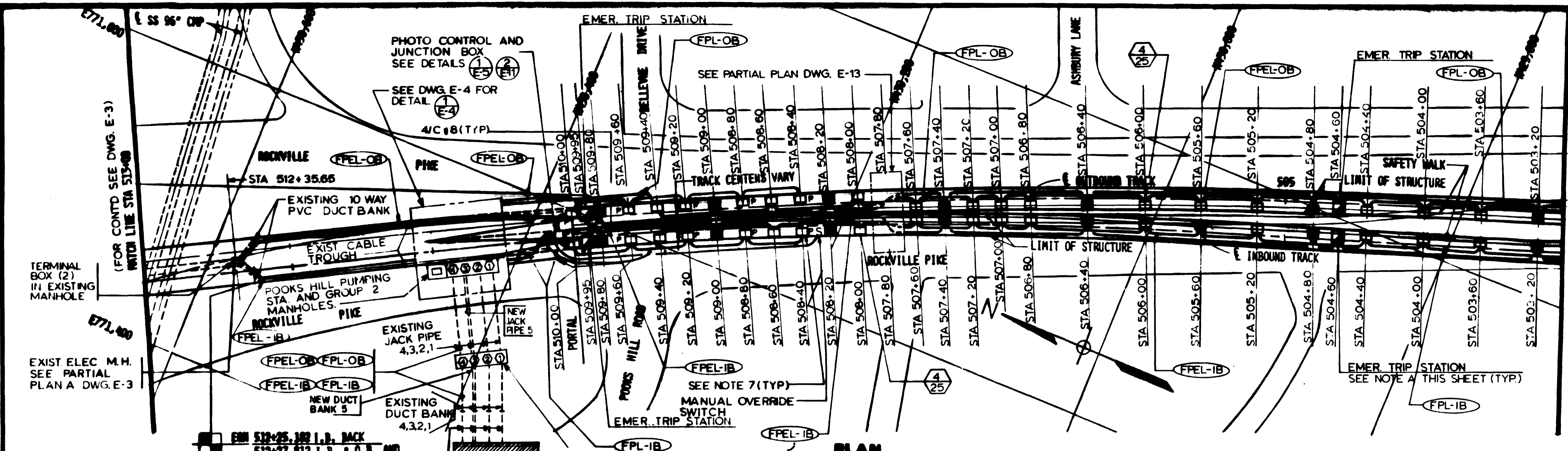
APPROVED: *[Signature]*

M-242 ROCKVILLE ROUTE

POWER CONDUIT SCHEDULE

SCALE: NONE

CRAWING NO. FA10-E-69



1. DETAIL AND WIRING DIAGRAM OF PHOTO CONTROL
SCALE: NONE (E-5, E-11)

NOTES FOR PHOTO CONTROL

1. THE FUNCTION OF THE PHOTO CONTROL IS TO SWITCH 'ON' ADDITIONAL LIGHTS AT PORTAL WHEN THE ILLUMINATION LEVEL OF AMBIENT SKY LIGHT IS LOW AND 'OFF' WHEN AMBIENT SKYLIGHT LEVEL INCREASES
2. THE PHOTO CONTROL SHALL CONSIST OF CADMIUM-SULFIDE CELL IN WEATHERPROOF OMNI-DIRECTIONAL TRANSLUCENT HOUSING. IT SHALL ALSO PROVIDE TIME DELAY RESPONSE UP TO 15 SECONDS TO PREVENT FALSE SWITCHING DUE TO TEMPORARY CHANGE IN NATURAL LIGHT INTENSITY
3. THE PHOTO CONTROL SENSING DEVICE SHALL BE SUITABLE FOR 277V, 1Ø, AC OPERATION.
4. THE RELAY CONTACTS SHALL BE "DOUBLE-POLE SINGLE THROW" WITH CONTACT RATING OF 1800W AT 277V AC PER POLE.
5. PROVIDE A SURGE PROTECTOR AS A SAFEGUARD AGAINST INDUCED HIGH-VOLTAGE AND FOLLOW THROUGH CURRENT
6. PROVIDE WEATHERPROOF LIGHT SHIELD - 45° CUT OFF AND PAINTED MATTE BLACK-OVER THE PHOTO CONTROL SENSING DEVICE SO THAT ONLY SKY LIGHT IS MONITORED.
7. SUBLETTER 'P' INDICATES LIGHTING FIXTURE CONTROLLED BY PHOTOCELL.

NOTES

- A. THE ENCLOSURES OF THE SURFACE MOUNTED TYPE EMERGENCY TRIP STATION, BLUE LIGHT FIXTURES AND STEP-DOWN TRANSFORMERS FOR TUNNEL SHALL BE FURNISHED BY WMATA AND INSTALLED BY OTHER. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH, INSTALL AND CONNECT A 277 V SINGLE PHASE 60 HZ SUPPLY FURNISH 8 FT. OF SLACK 2/C #12 WITH GND. CABLE SPLICED ONTO THE 4/C #8 EMERGENCY LIGHTING FEEDER CABLE IN A JUNCTION BOX. SEE TYPICAL DETAIL (E-15)
- B. BETWEEN STA. 502+50.00 AND STA. 507+74.50 THE EXISTING CHANNEL INSERTS (ON BOTH I.B. & O.B. TRACKS) OVER THE SAFETY WALKS ARE "OFF-SET" FROM NORMAL LOCATION TO AVOID THE WALL OPENINGS. THE MOUNTING HEIGHTS OF VARIOUS ELECTRICAL ITEMS SHALL BE ADJUSTED AS FOLLOWS:

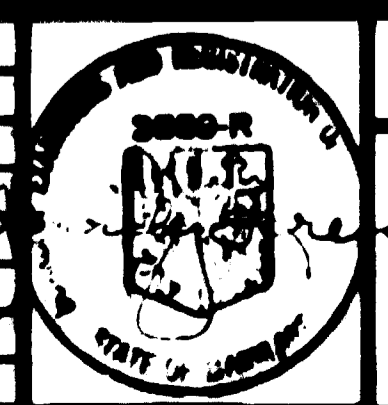
LIGHTING FIXTURE	8'-6"
LOAD CENTER	6'-0"
RECEPTACLE	4'-9"
EMERGENCY TRIP STATION	5'-6"

 SEE DETAIL 1, DWG. E-11
 (ALL MEASUREMENTS ARE FROM ϵ OF DEVICE TO SAFETY WALK)
- C. SEE NOTE B, DWG. E-9
 SEE NOTES B & C, DWG. E-11

AS BUILT CONDITION
 NOV 11 1983
 HARRY WESE & ASSOCIATES

DESIGNED	P.S. CHU	8-2-83
DRAWN	C.J. REID	8-2-83
CHECKED	H.B. ZACHARSON	8-16-83
APPROVED	H.B. ZACHARSON	8-16-83

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
M-4	KEY PLAN AND PROFILE STA 512+00 TO STA 503+00			



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION ENGINEER

DE LEUW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

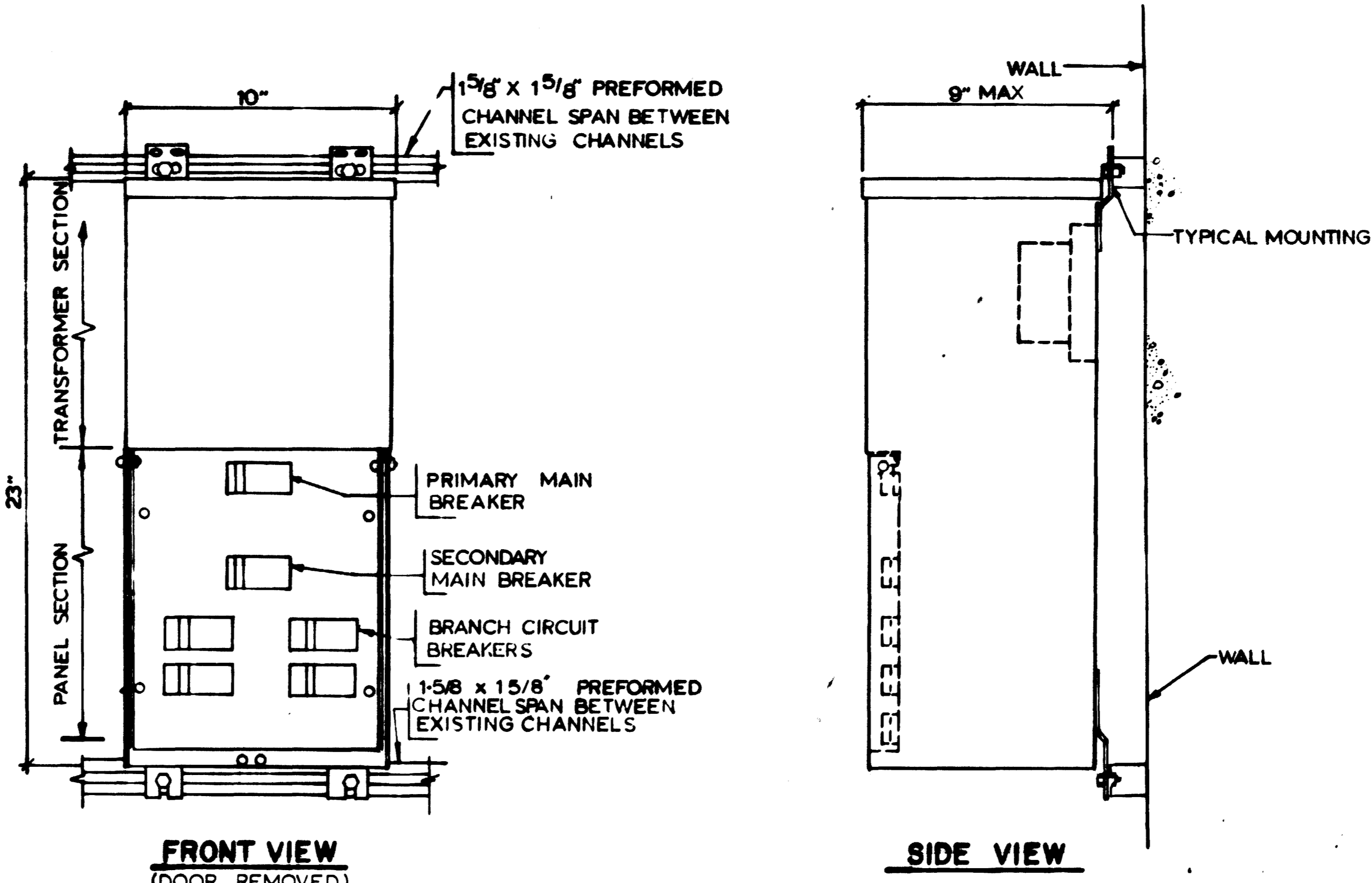
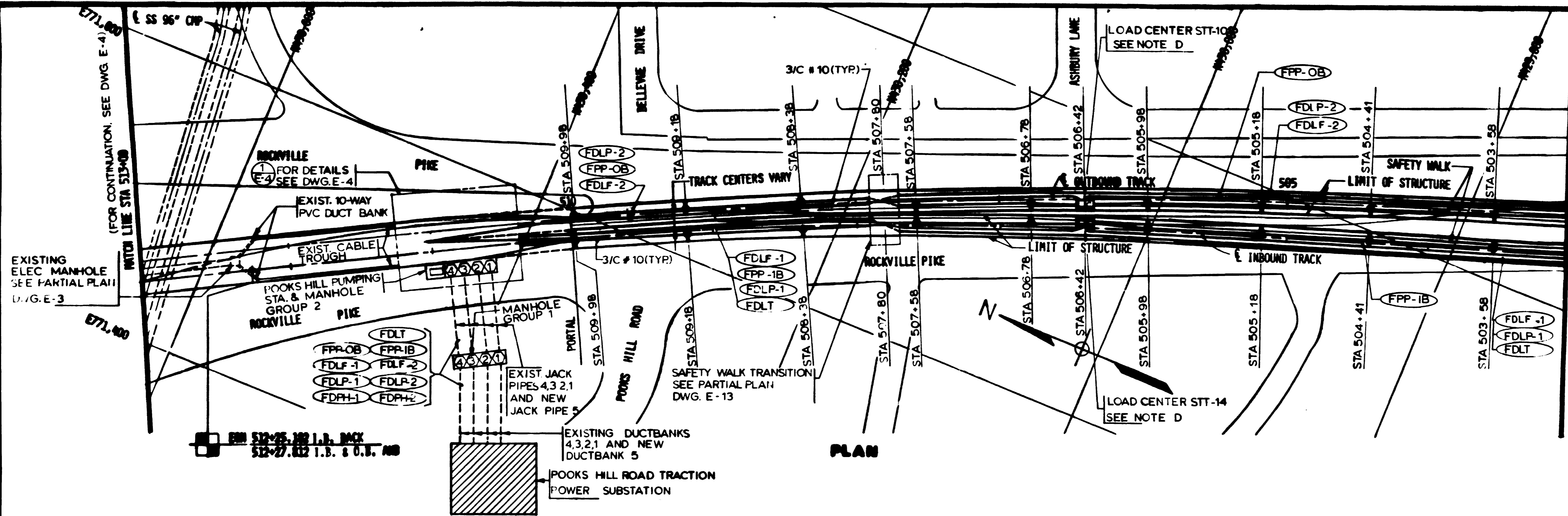
HARRY WESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Harry Weese* DATE 2/10/81 APPROVED *Paul H. ...*

ROCKVILLE ROUTE
ELECTRICAL KEY PLAN
STA. 513+00 TO STA. 503+00 - LIGHTING

SCALE: HORIZ. 1"=40' AND AS NOTED

DRAWING NO. FA12-E-5 M335-265



- NOTES**
- A. SEE NOTE B, DWG. E-9, AND NOTE B, DWG. E-5
 - B. SEE NOTES B & C DWG. E-11.
 - C. ROUTE CABLES ACROSS THE SAFETY WALK TRANSITION STA. 507+80 THROUGH THE EXISTING CONDUITS AS SHOWN ON DWG. E-13.
 - D. FOR TYPICAL LOAD CENTER WIRING DIAGRAM SEE DWG. E-8.
 - E. ADJUST LOCATION OF TYPICAL LOAD CENTER SO THAT BLUE LIGHT ON EMERGENCY TRIP STATION IS NOT BLOCKED FROM VIEW.

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

AS-BUILT CONDITION

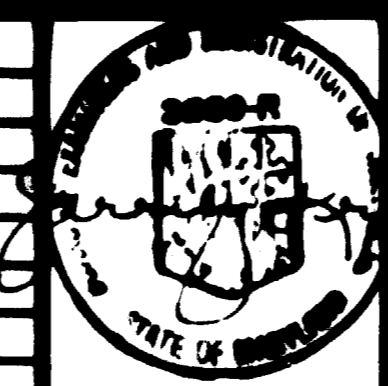
DATE: MAY 14 1993

Signature: [Handwritten Signature]

Seal: [Professional Engineer Seal]

DESIGNED	J.P. GUN	8-2-79
DRAWN	G.J. REID	8-2-79
CHECKED	H.B. ZACKERSON	8-16-80
APPROVED	H.B. ZACKERSON	8-16-80

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LUIJ, CATHEN & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEENE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: [Handwritten Signature] DATE: 2/10/81

APPROVED: [Handwritten Signature]

ROCKVILLE ROUTE

ELECTRICAL KEY PLAN

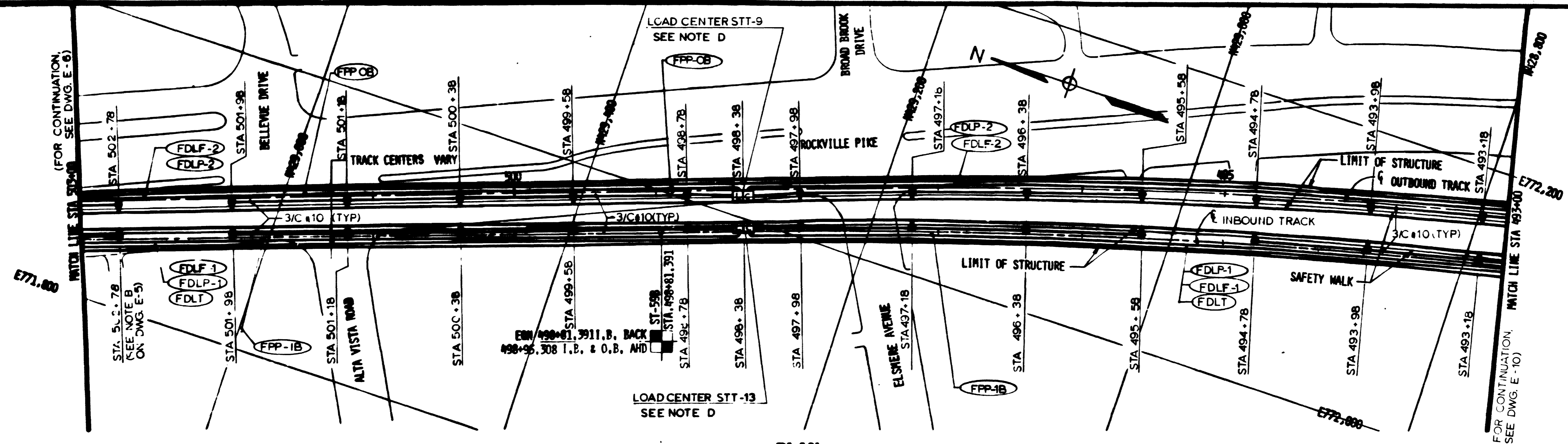
STA. 513+00 TO STA. 503+00 - POWER

SCALE: HORIZ. 1" = 40'

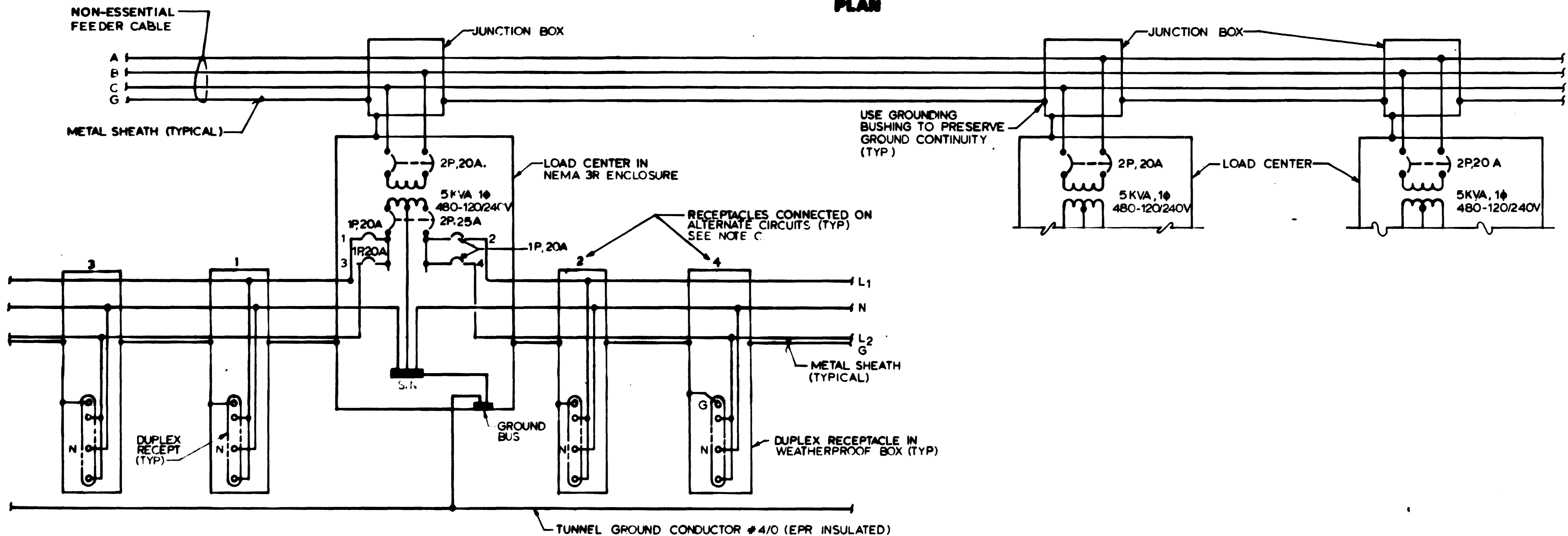
AND AS NOTED

DRAWING NO. FA12-E-6

M335-266



PLAN



1 TYPICAL LOAD CENTER WIRING DIAGRAM
SCALE: NONE (E-6, F-8, E-10, E-12, E-14, E-16 & E-18)

NOTES

- A. SEE NOTE B, DWG E-9.
- B. SEE NOTES B & C DWG E-11
- C. FOR TYPICAL LOAD CENTER, CONNECT AS FOLLOWS
BRANCH CIRCUIT 1: 3 DUPLEX RECEPTACLES
BRANCH CIRCUIT 2: 3 DUPLEX RECEPTACLES
BRANCH CIRCUIT 3: 2 DUPLEX RECEPTACLES
BRANCH CIRCUIT 4: 2 DUPLEX RECEPTACLES, UNLESS STATED OTHERWISE.
- D. FOR TYPICAL LOAD CENTER DETAIL SEE DWG E-6

AS-BUILT CONDITION
NOV 10 1998
REGISTRY

DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
J.S. CHU	8-2-98	N-8	KEY PLAN PROFILE STA 503+00 TO STA 493+00			
DRAWN	8-3-98					
CHECKED	8-16-98					
APPROVED	8-16-98					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • DEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

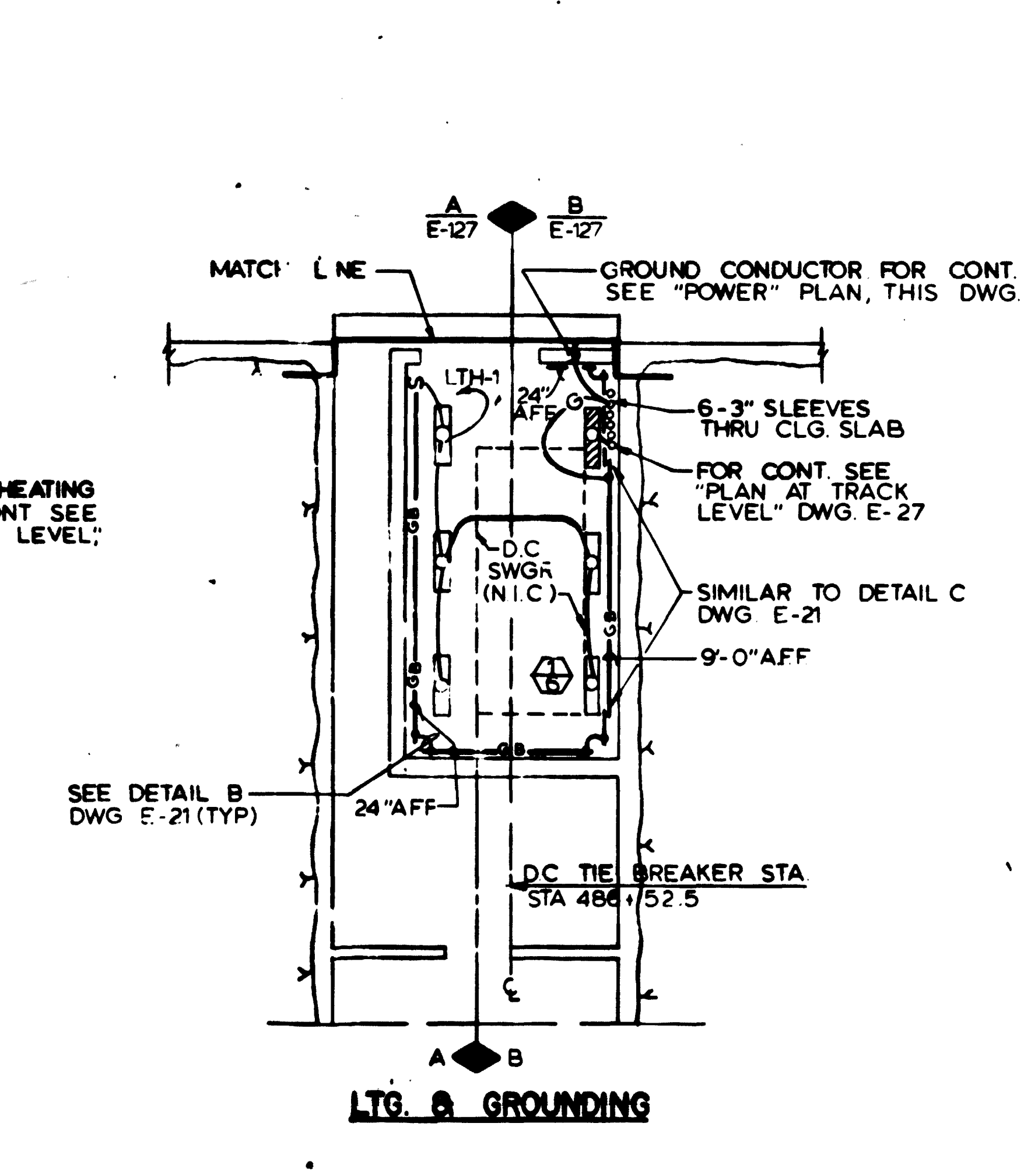
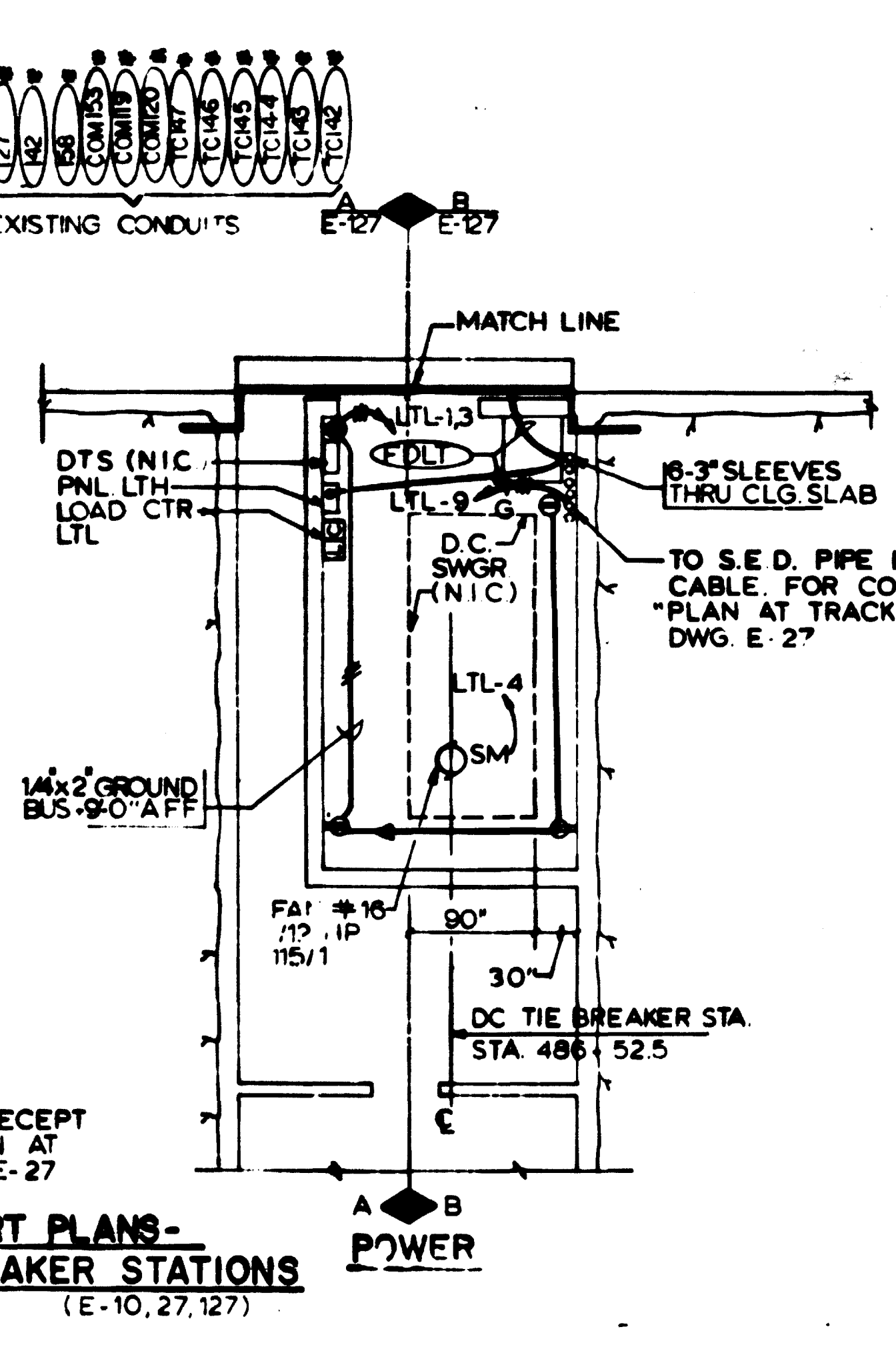
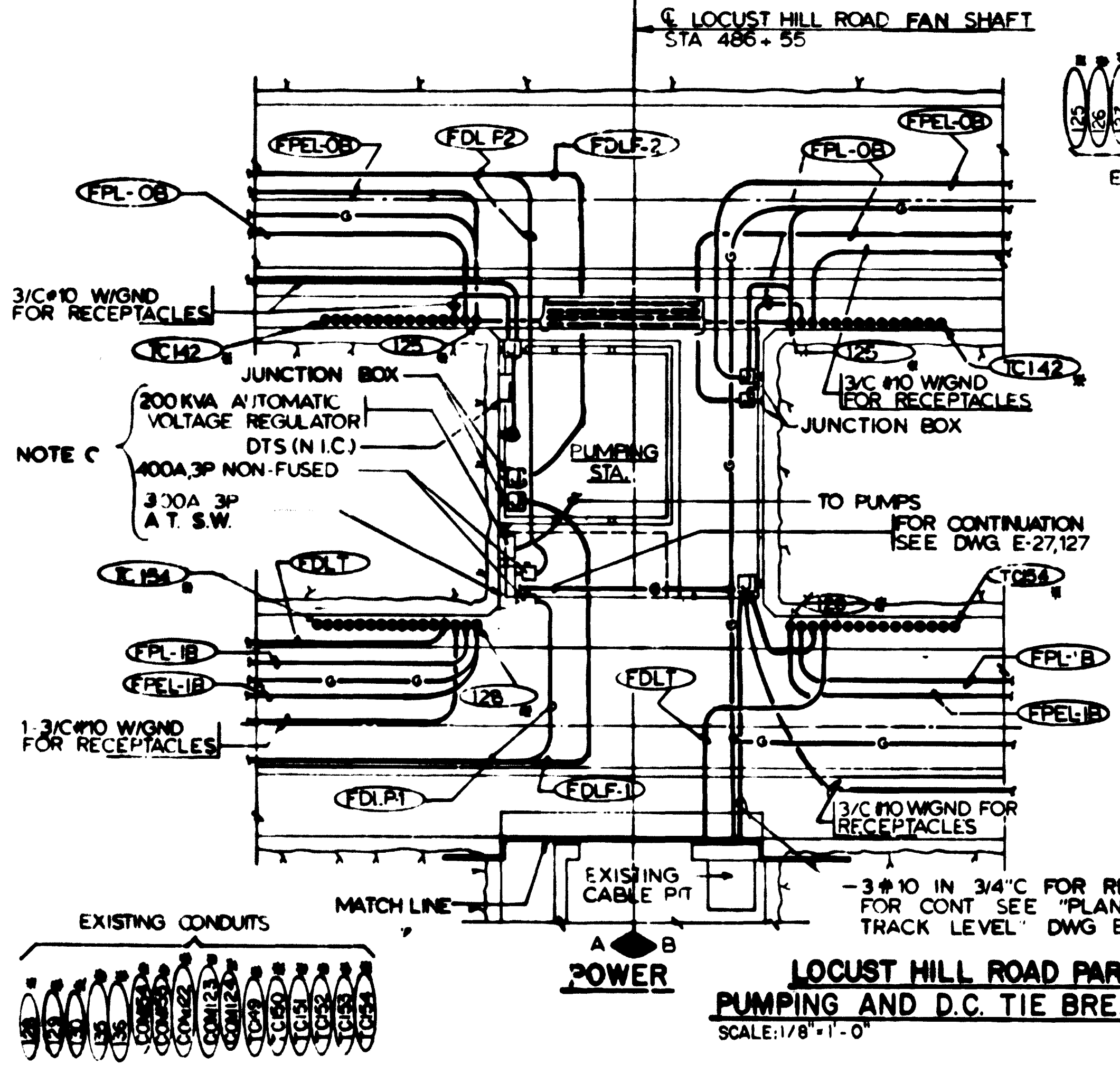
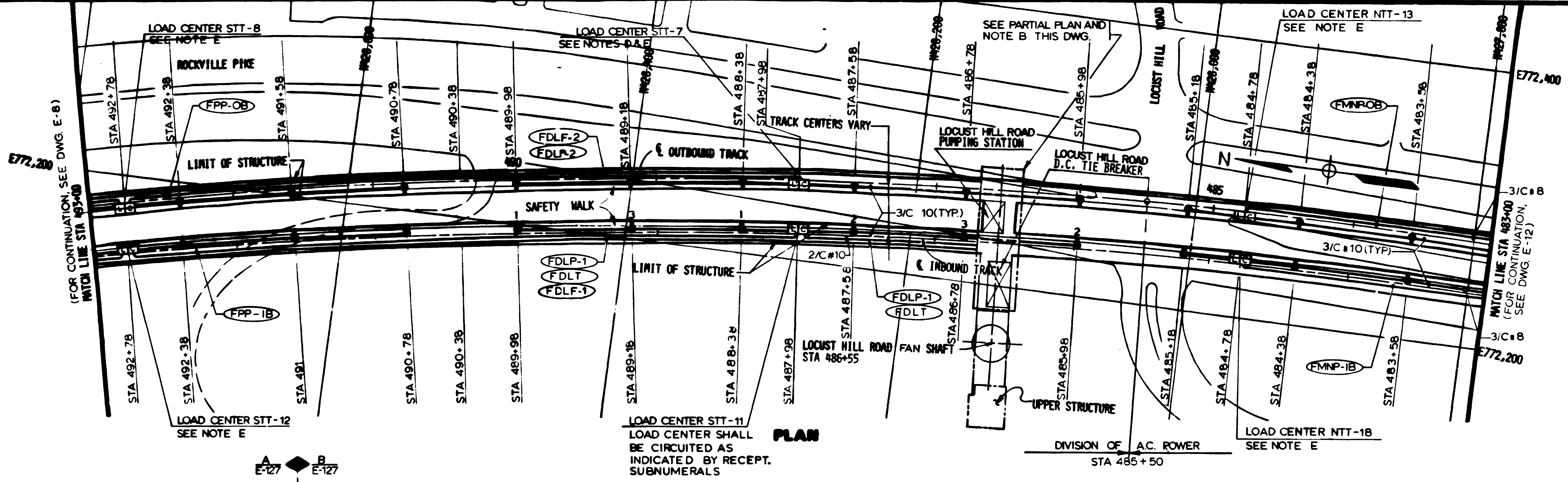
DE LEUW, CATHIER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WERBE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Express* DATE *2/10/01* APPROVED *[Signature]*

ROCKVILLE ROUTE
ELECTRICAL KEY PLAN
STA 503+00 TO STA 493+00 - POWER

SCALE: HORIZ. 1"=40' VERT. 1"=10'
DRAWING NO. FAI2-E-8 M335-268



- NOTES**
- A. SEE NOTES A & B, DWG. E-9.
 - B. ROUTE CABLES ACROSS THE CROSS ADIT THROUGH EXISTING CONDUITS AS SHOWN.
 - C. FOR ONE LINE DIAGRAM SEE DWG. E-9.
 - D. SEE NOTES B & C DWG. E-11.
 - E. FOR TYPICAL LOAD CENTER DETAIL AND WIRING DIAGRAM SEE DWGS. E-6 AND E-8.

AS BUILT CONDITION



DESIGNED	P.S. CHU	8-18-79
DRAWN	C.J. BEID	8-12-79
CHECKED	H.B. ZACKERSON	8-16-80
APPROVED	H.B. ZACKERSON	8-16-80

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
5-2	KEY PLAN & PROFILE LOCUST HILL ROAD VENT SHAFT			
5-9	KEY PLAN & PROFILE STA 483+00 TO STA 483+00			



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LIEW, CATHNER & COMPANY
GENERAL ENGINEERING CONSULTANT

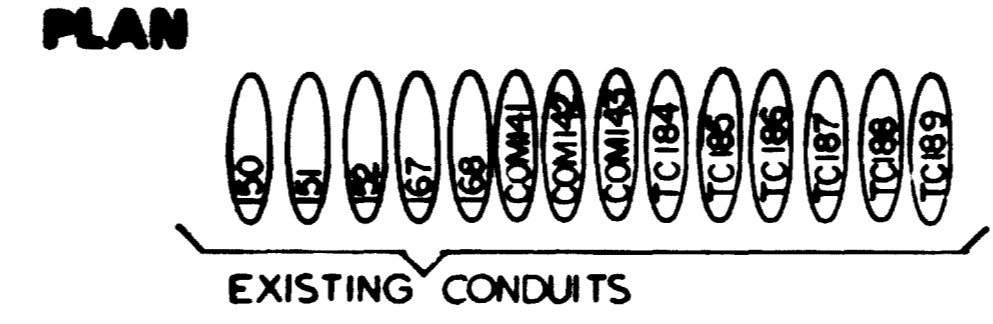
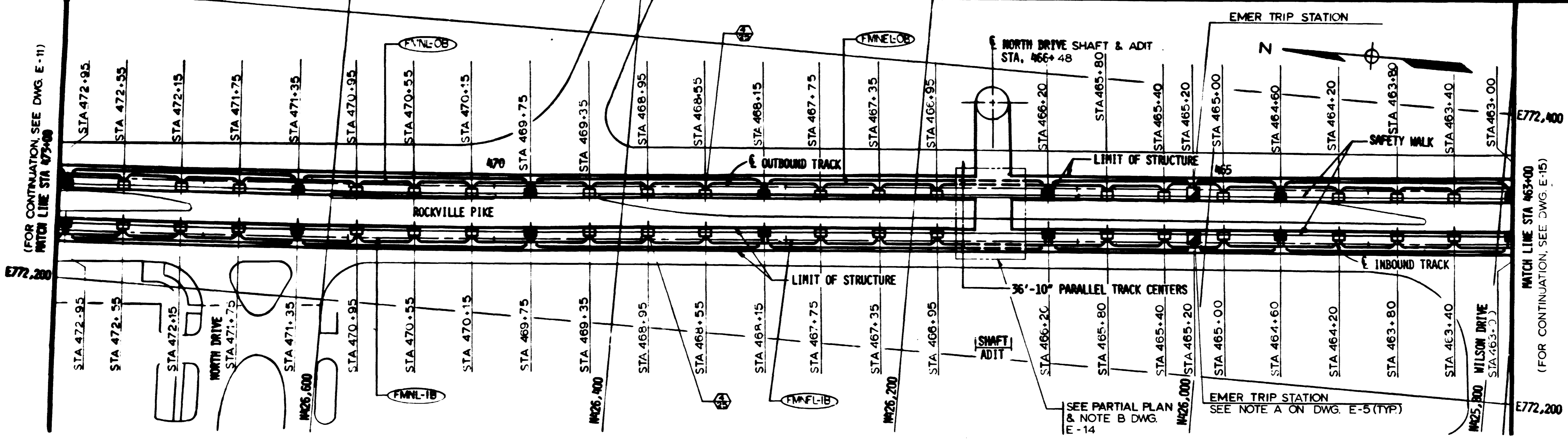
HARRY WESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jerry Kress* DATE 2/10/81

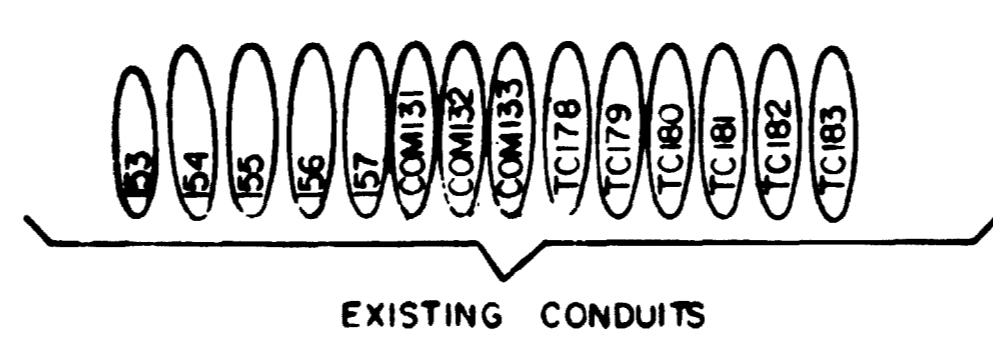
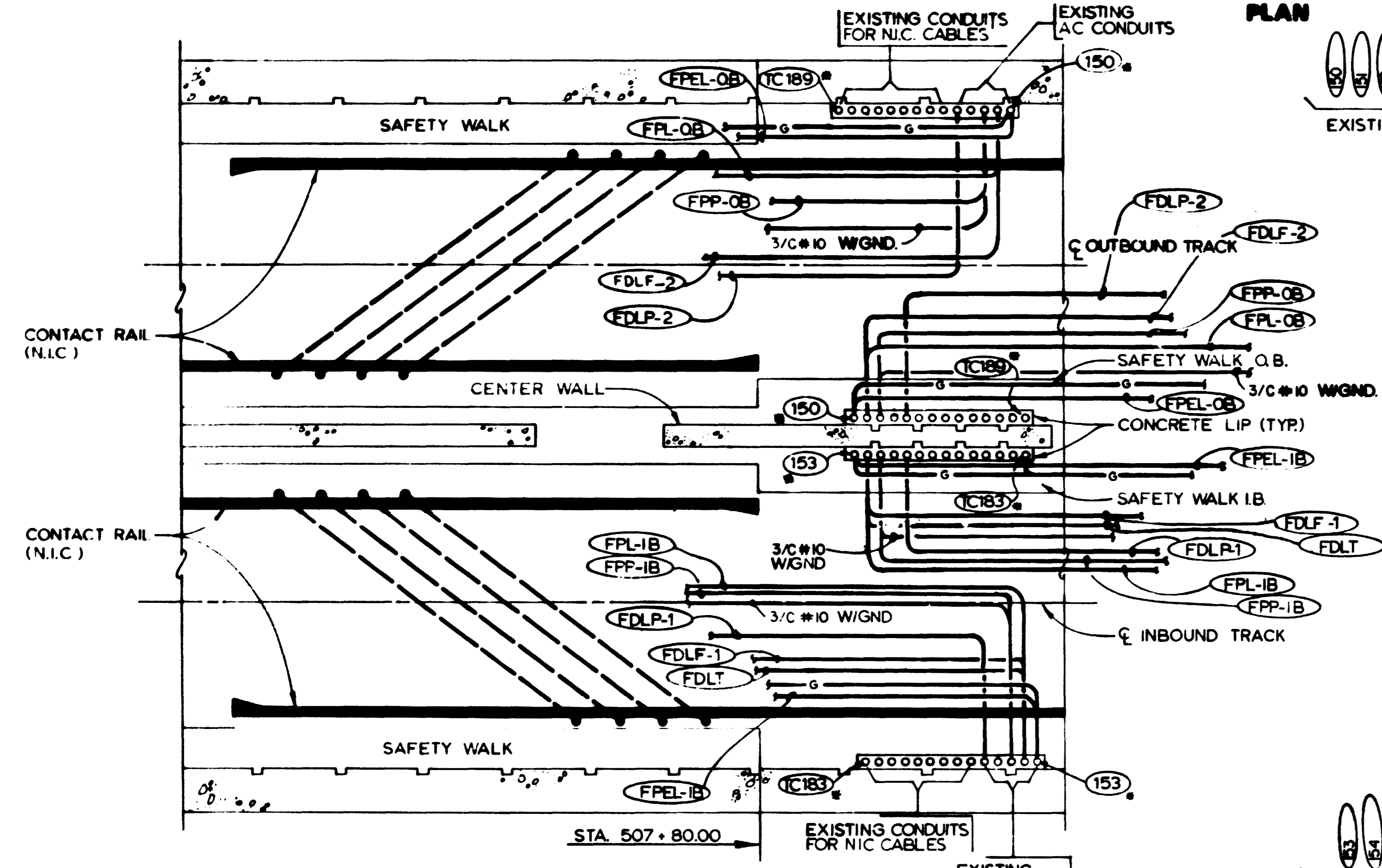
ROCKVILLE ROUTE
ELECTRICAL KEY PLAN
STA. 493+00 TO STA. 483+00 - POWER

SCALE: HORIZ. 1"=40' AND AS NOTED

DRAWING NO. **FAI2-E-10**
M335-270



NOTES
 A. SEE NOTE A, DWG. E-9.
 B. SEE NOTES B & C DWG. E-11



PARTIAL PLAN SAFETY WALK TRANSITION
 NOT TO SCALE (E-5, E-6)

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 AS BUILT CONDITION
 NOV 10 1985



DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
P.S. CHU	8-12-85					
DRAWN	8-12-85					
CHECKED	8-15-85					
APPROVED	8-15-85					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

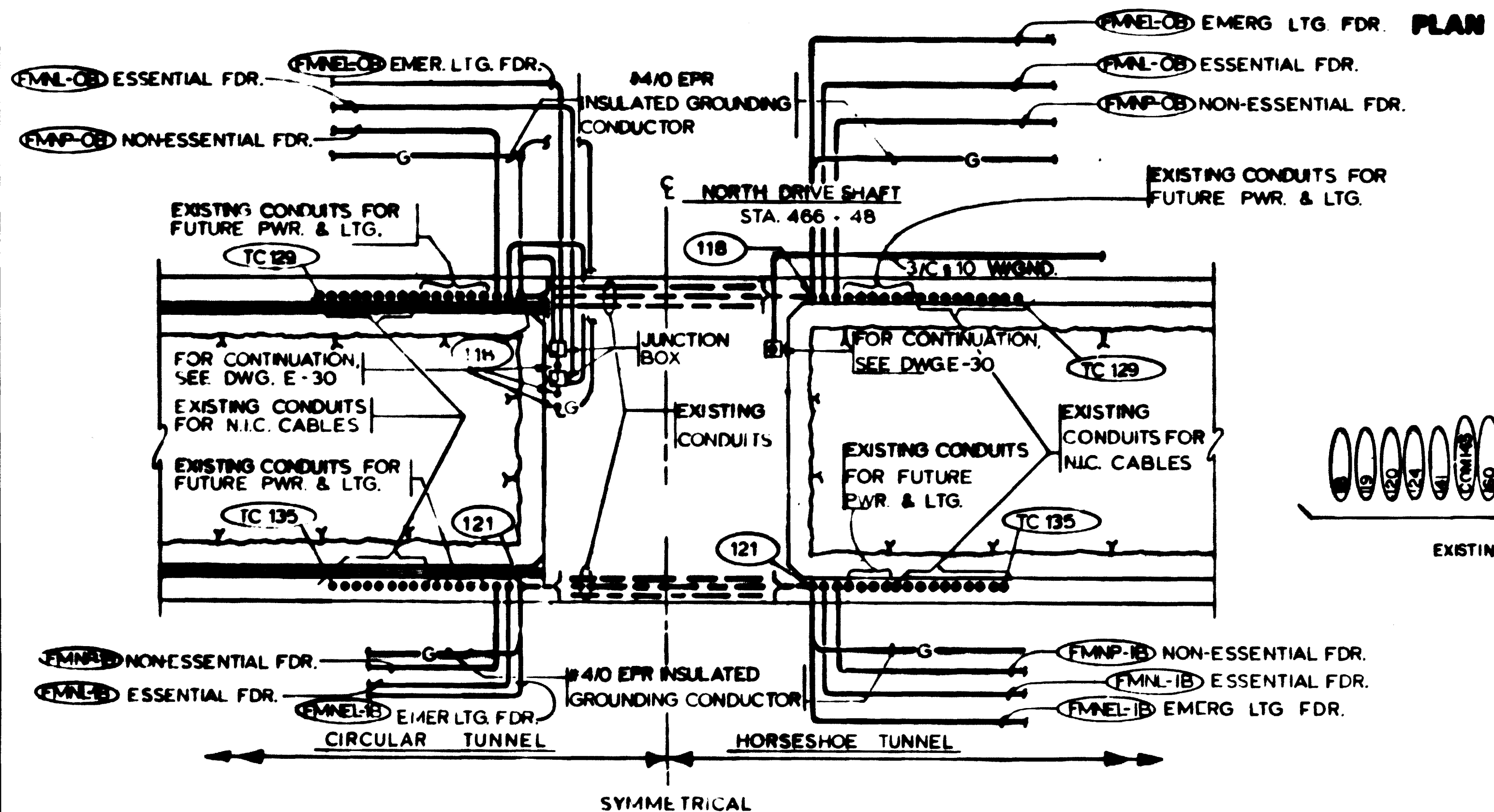
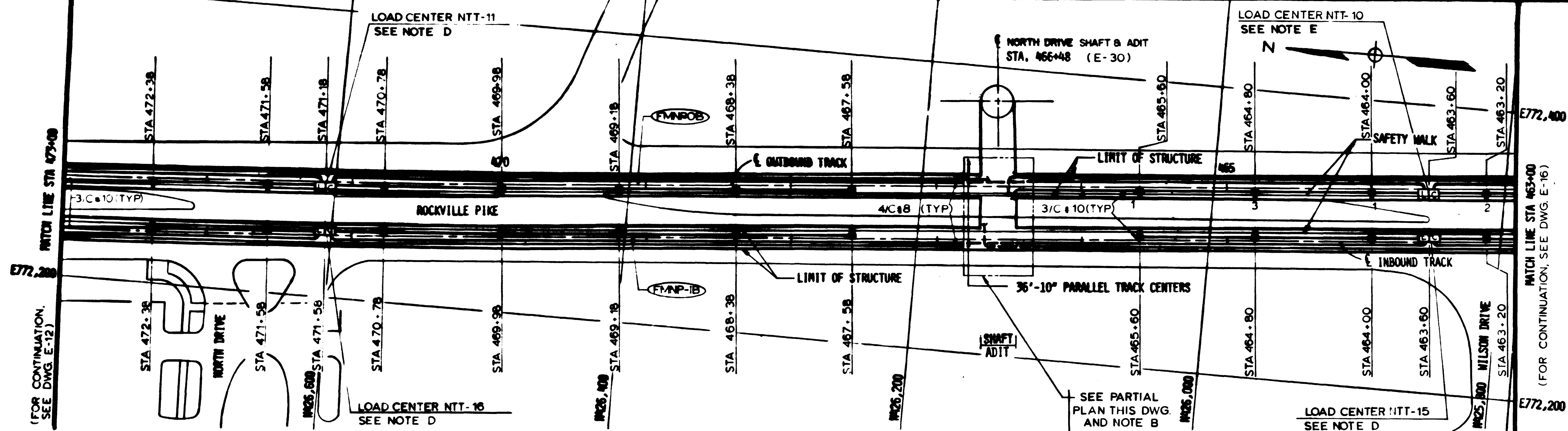
HARRY WIEBE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Kevin J. O'Shea* DATE 2/10/81 APPROVED *Paul J. ...*

ROCKVILLE ROUTE
 ELECTRICAL KEY PLAN
 STA. 473+00 TO STA. 463+00 - LIGHTING

SCALE: HORIZ. 1"=40' AND AS NOTED

DRAWING NO. **FA12-E-13** M335-273



PARTIAL PLAN
SCALE 1/8" = 1', F-30, E-31

NOTES

- A. SEE NOTE A, DWG. E-9
- B. ROUTE CABLES ACROSS THE CROSS ADIT THROUGH THE EXISTING CONDUITS AS SHOWN IN THE PARTIAL PLAN.
- C. SEE NOTES B & C DWG. E-11
- D. FOR TYPICAL LOAD CENTER DETAIL AND WIRING DIAGRAM SEE DWGS E-6 AND E-8
- E. LOAD CENTER NTT 10 SHALL BE CIRCUITED AS INDICATED BY RECEIPT SUBNUMERALS ON THIS DWG. AND E-16.

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS BUILT CONDITION
[Signature]



DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
P.S. CHU	6-12-79					
DRAWN	6-12-79					
CHECKED	6-8-80					
APPROVED	6-15-80					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHNER & COMPANY
GENERAL ENGINEERING CONSULTANT

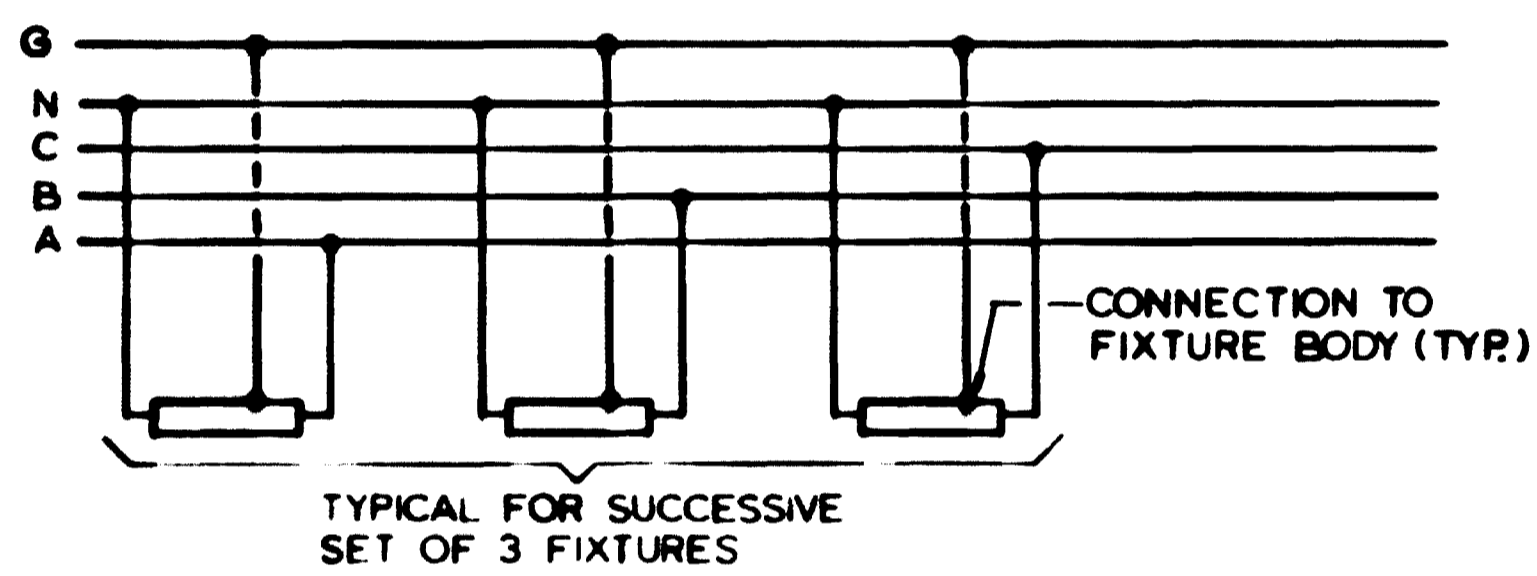
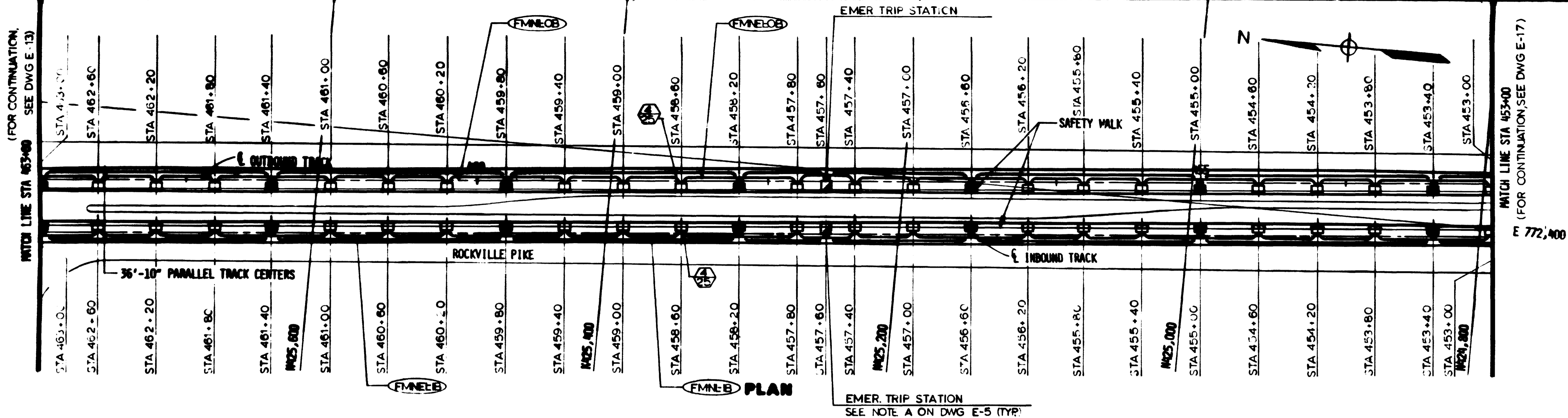
HARRY WERBE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE 2/10/81 APPROVED *[Signature]*

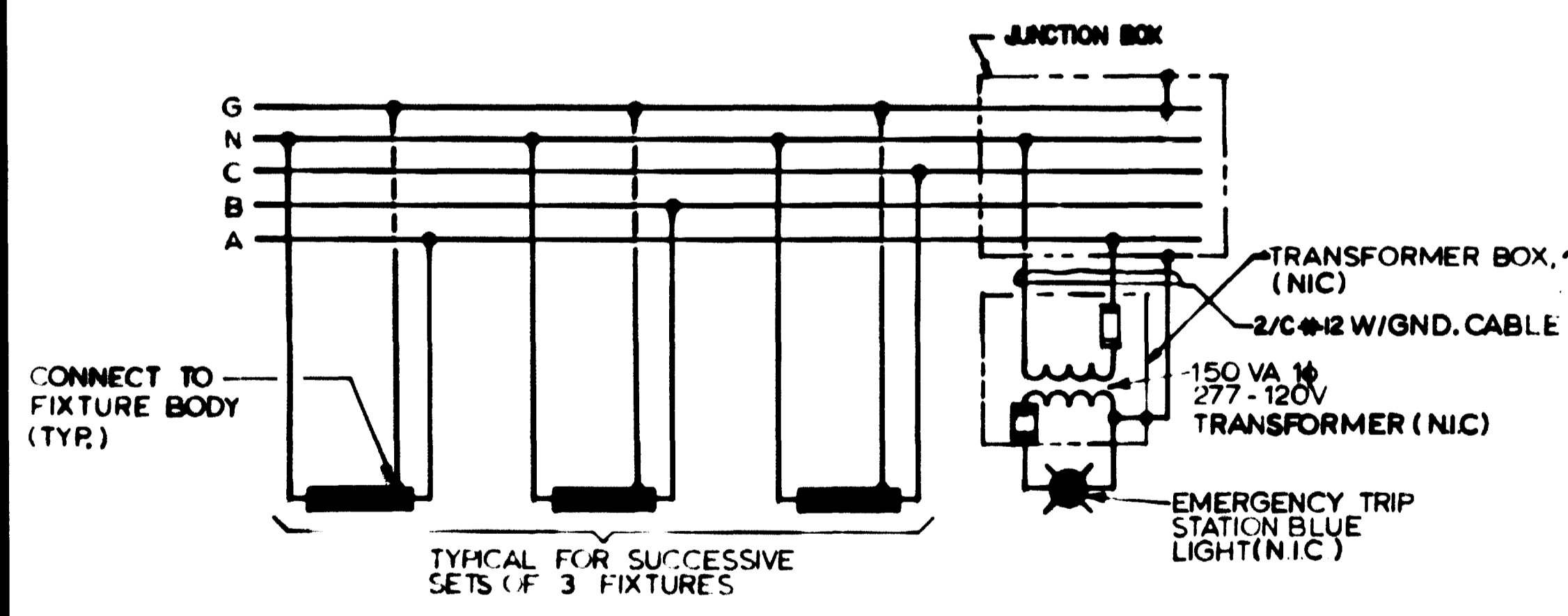
ROCKVILLE ROUTE
ELECTRICAL KEY PLAN
STA. 473+00 TO STA. 463+00 - POWER

SCALE: HORIZ. 1" = 60' AND AS NOTED

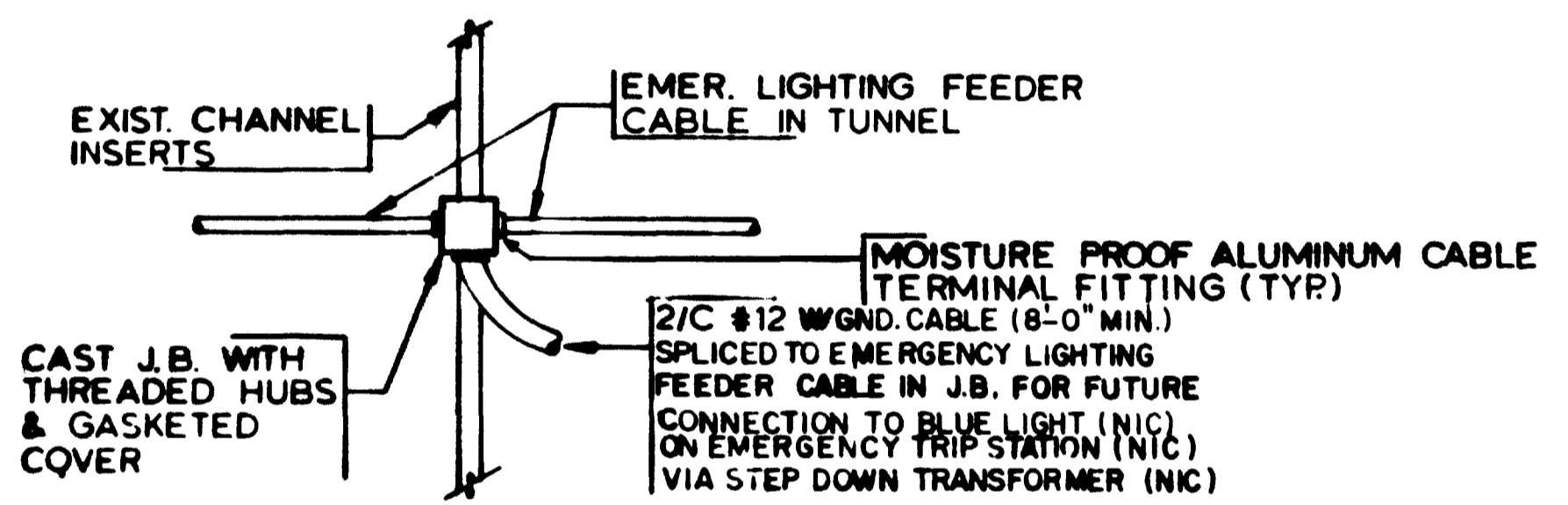
FA12-E-14 M335-274



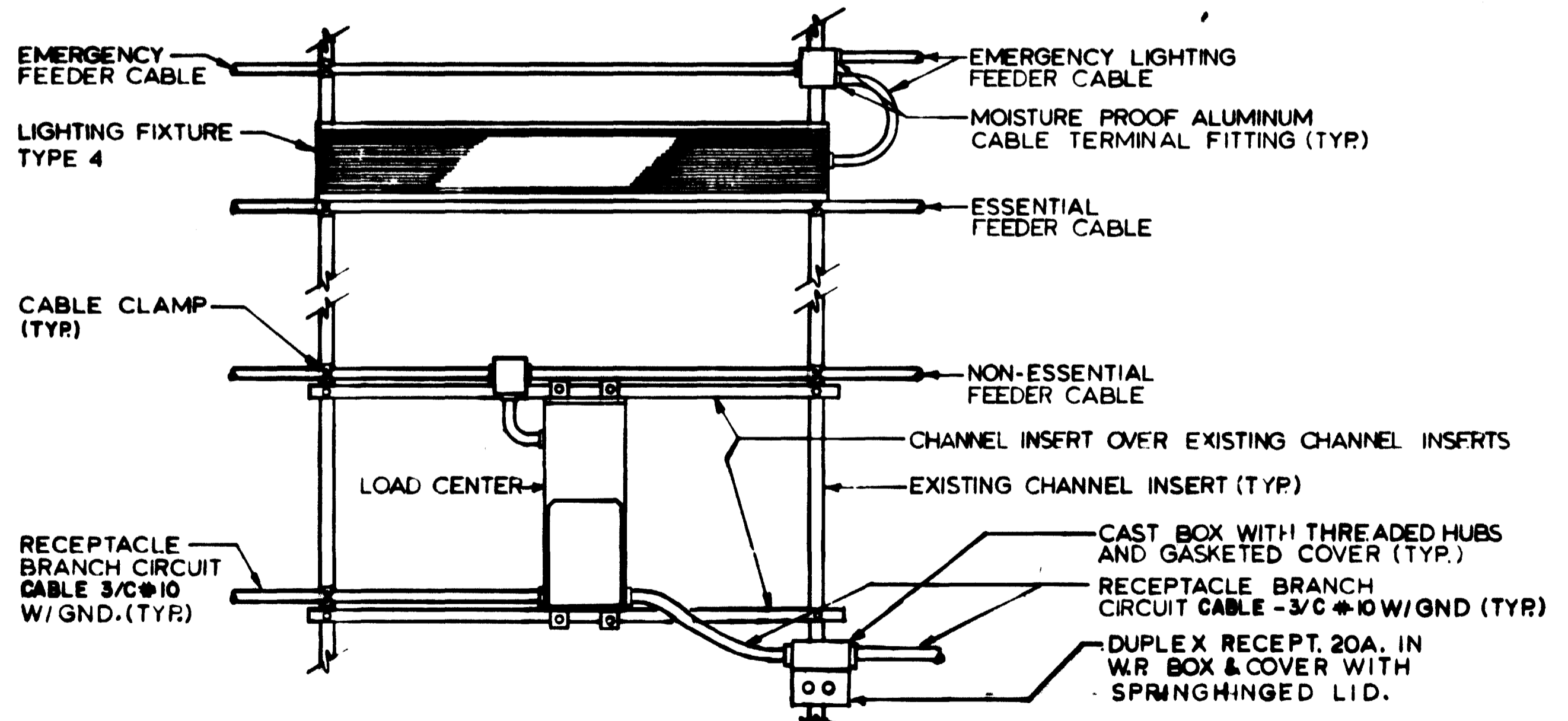
1 TYPICAL TRACK LIGHTING FOR NORMAL CIRCUIT
NOT TO SCALE



2 TYPICAL TRACK LIGHTING FOR EMER. CIRCUIT
NOT TO SCALE



3 TYPICAL EMERGENCY TRIP STATION CONNECTION DETAIL
NOT TO SCALE



4 TYPICAL TRACK LIGHTING, LOAD CENTER & RECEPTACLE DETAILS
NOT TO SCALE (ODD NUMBERED DWGS. E-5 THRU E-18)

NOTES

- A. SEE NOTE A, DWG E-9.
- B. SEE NOTES B & C DWG E-11.

DESIGNED	P.A. CHU	7-12-20
DRAWN	C.J. BEID	7-12-20
CHECKED	H.B. ZACKERSON	8-16-20
APPROVED	H.B. ZACKERSON	8-16-20

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHIER & COMPANY
GENERAL ENGINEERING CONSULTANT

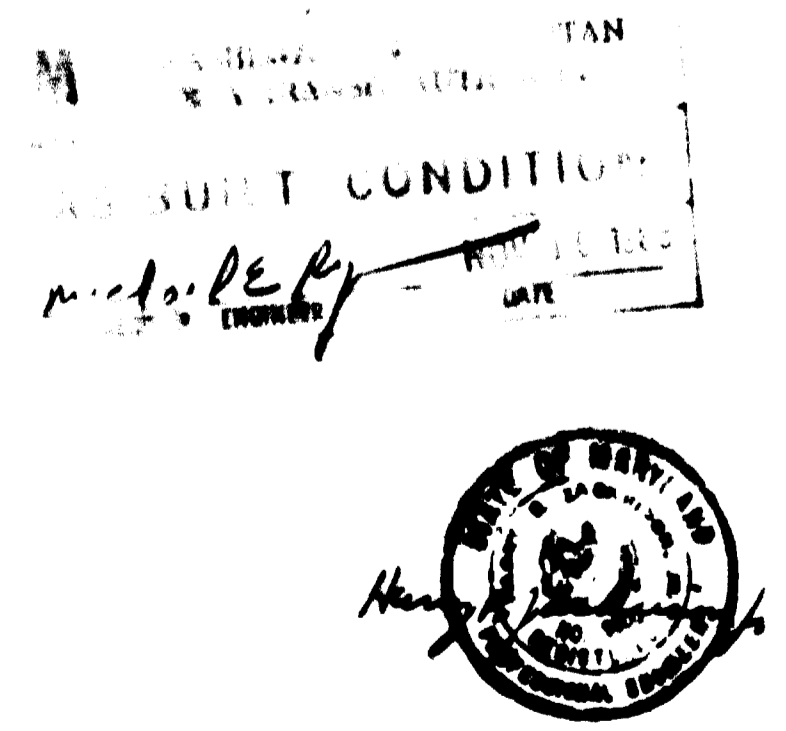
HARRY WEISE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

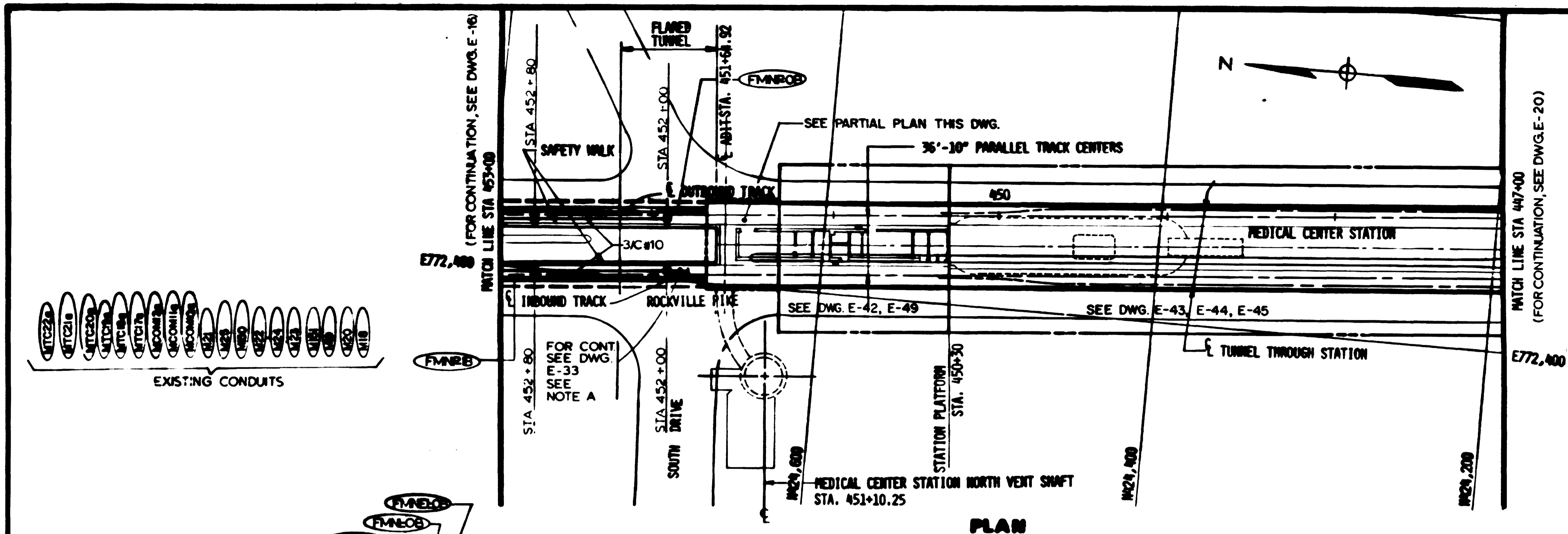
SUBMITTED *[Signature]* DATE 2/18/21 APPROVED *[Signature]*

ROCKVILLE ROUTE
ELECTRICAL KEY PLAN
STA. 463+00 TO STA. 453+00 - LIGHTING

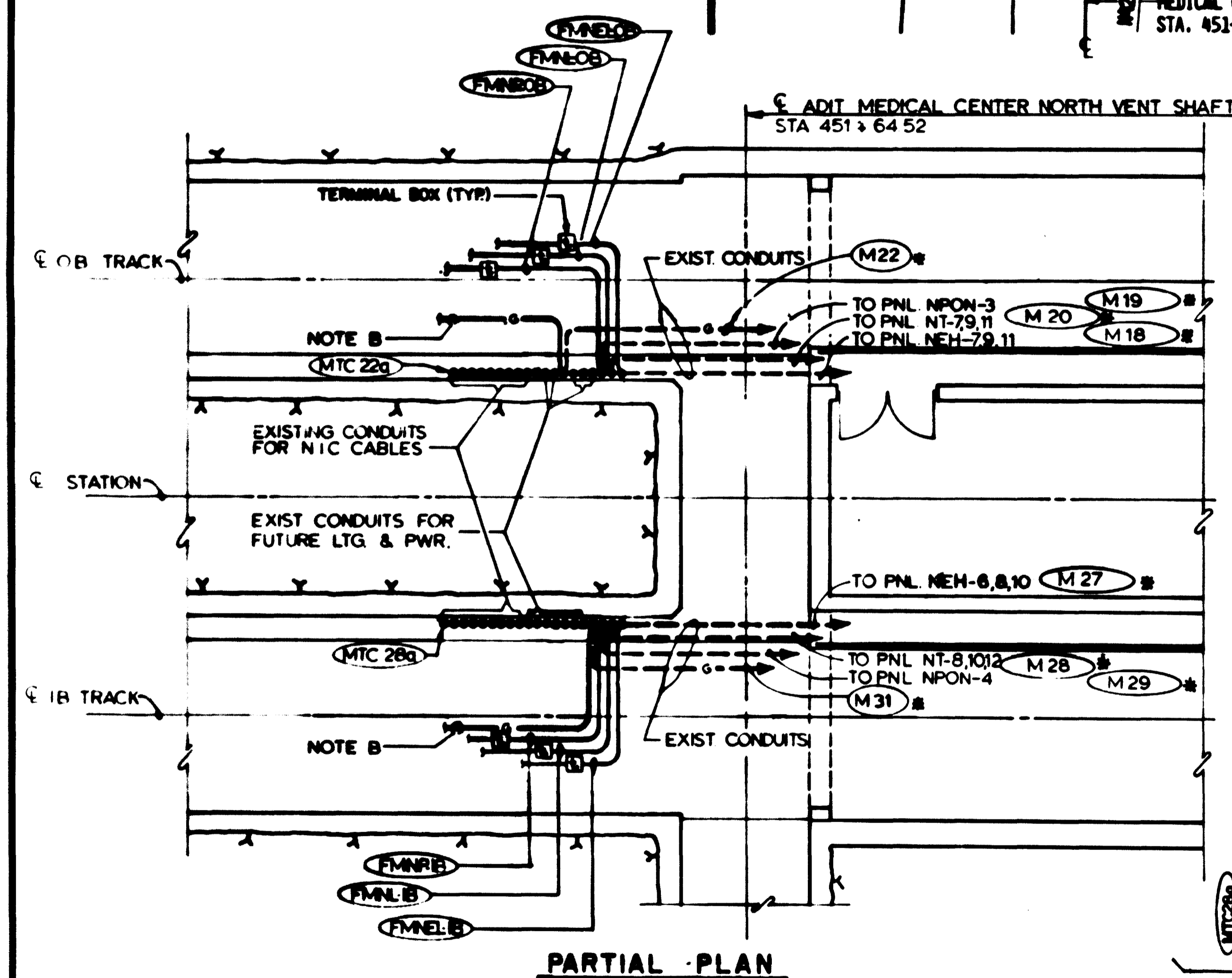
SCALE: HORIZ. 1"=40' VERT. AS NOTED

ISSUES NO. FAI2-E-15 M335-275

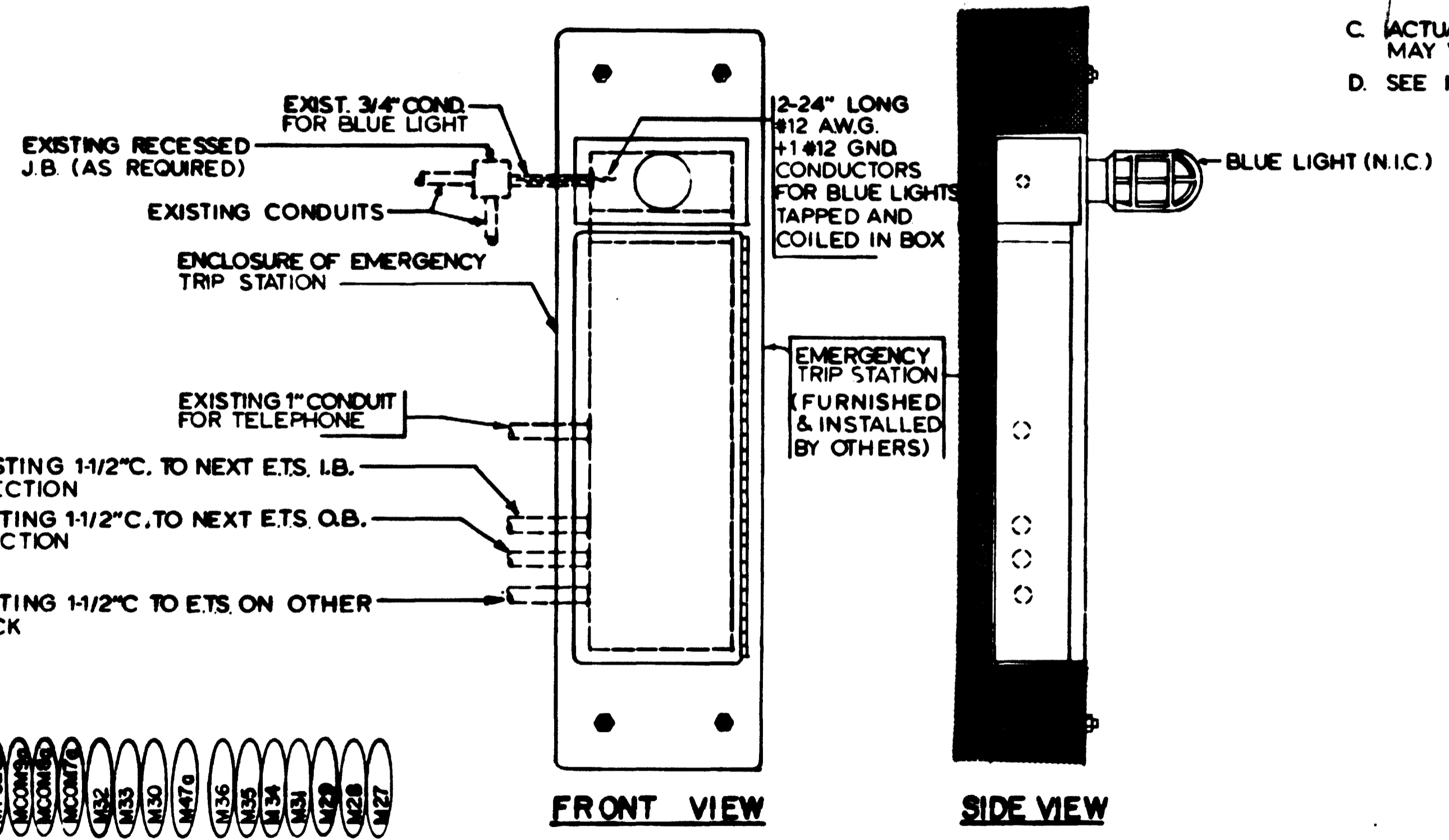




PLAN



MEDICAL CENTER NORTH VENT SHAFT
SCALE: 1/8" = 1'-0"



INSTALLATION OF
EMERGENCY TRIP STATION - RECESSED
SCALE: NONE NOTE C (E-42)

NOTES

- A. FOR TYPICAL LOAD CENTER DETAILS AND WIRING DIAGRAM. SEE DWG. E-6 AND E-8.
- B. SEE NOTE A, DWG. E-9.
- C. ACTUAL LOCATIONS OF EXISTING CONDUITS FOR E.T.S. MAY VARY FROM THOSE SHOWN IN DETAIL 1.
- D. SEE NOTES B & C, DWG. E-11.

AS BUILT CONDITION
Revised by

DESIGNED	P.S. CHU	7-10-80
DRAWN	C.J. BEAL	7-10-80
CHECKED	H.B. ZACHARSON	8-16-80
APPROVED	H.B. ZACHARSON	8-16-80

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
8-3	KEY PLAN & PROFILE MED. CENTER STAN. VENT SHAFT			
8-108	NORTH VENT SHAFT			
M-10	KEY PLANS & PROFILE STA. 452+00 TO STA. 447+00			
M-18	NORTH VENT SHAFT PLANS AND SECTIONS			



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEIJW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

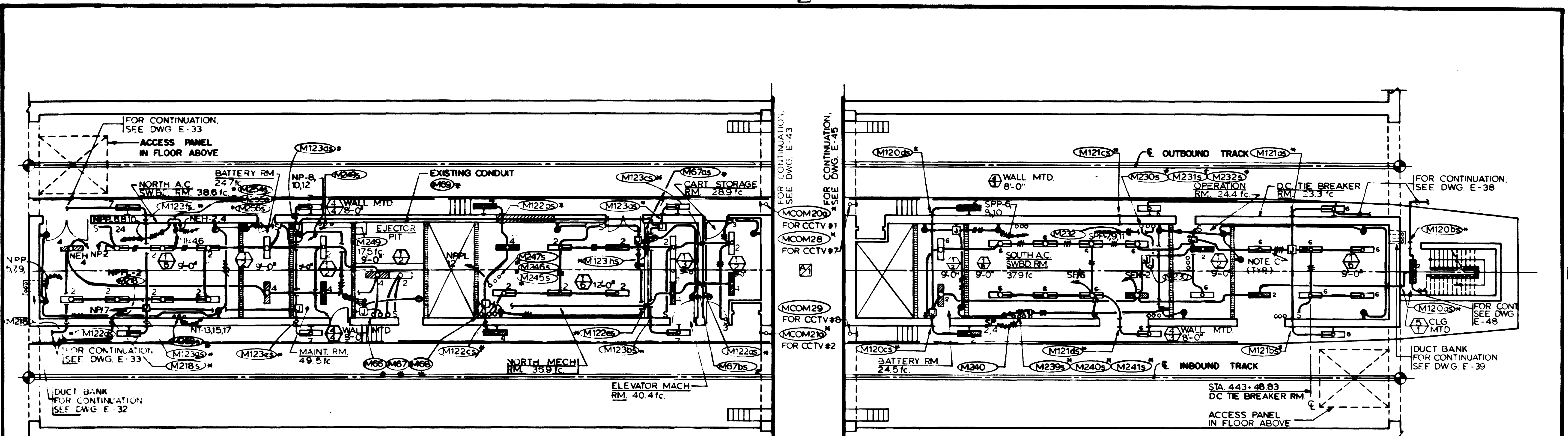
HARRY WISSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *George Jones* DATE 2/10/81 APPROVED *Paul E. Beall*

ROCKVILLE ROUTE
ELECTRICAL KEY PLAN
STA. 453+00 TO STA. 447+00 - POWER

SCALE: NOM. 1" = 40' AND AS NOTED

DRAWING NO. FA12-E-18 M335-278

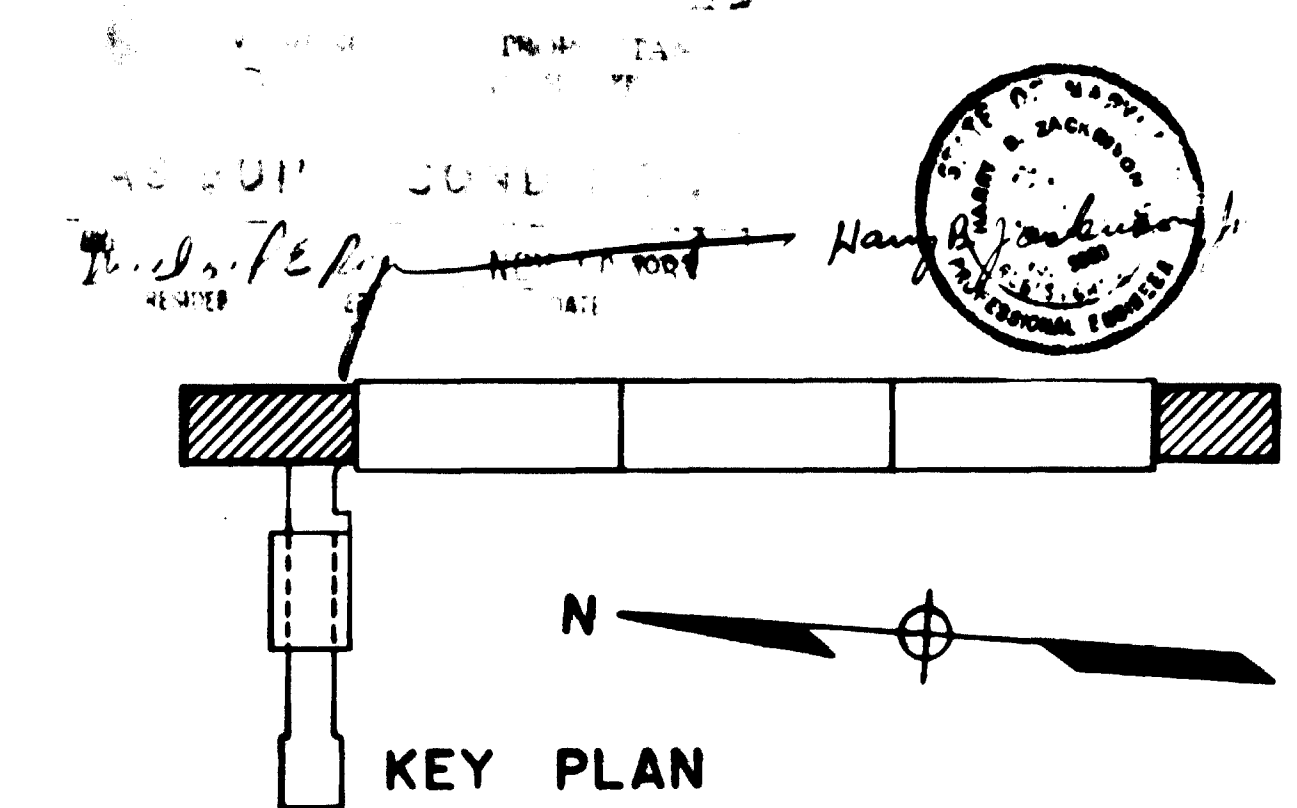
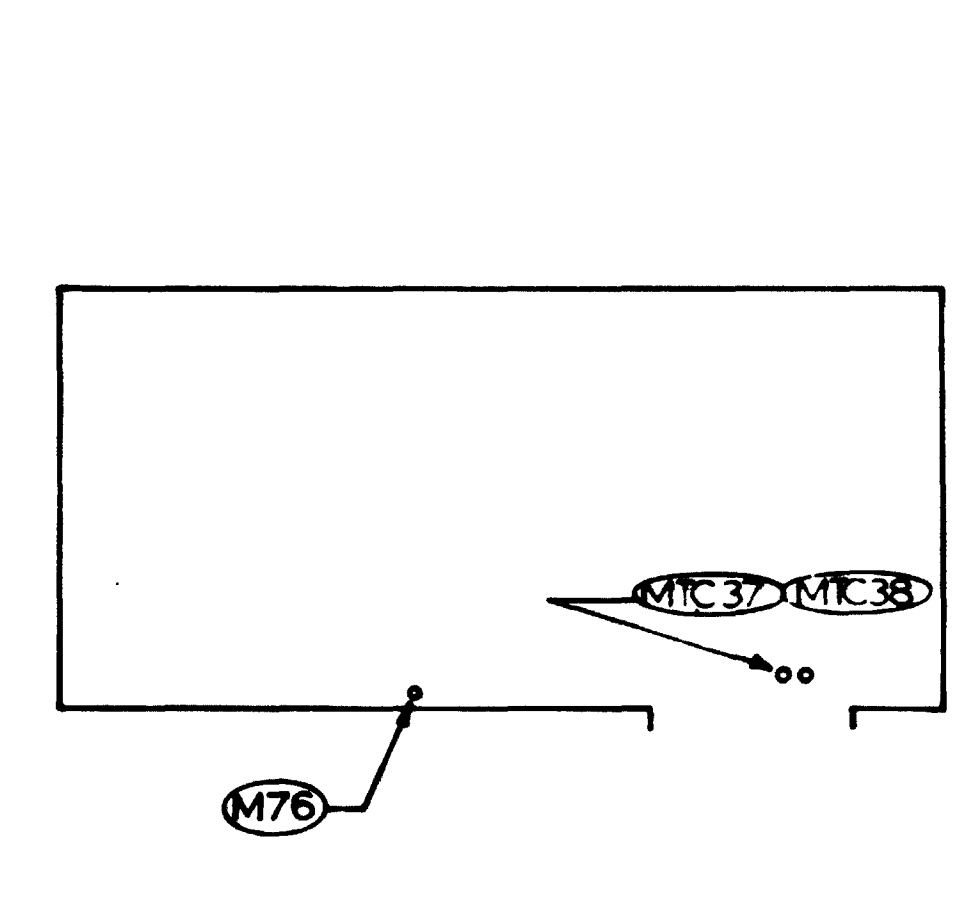
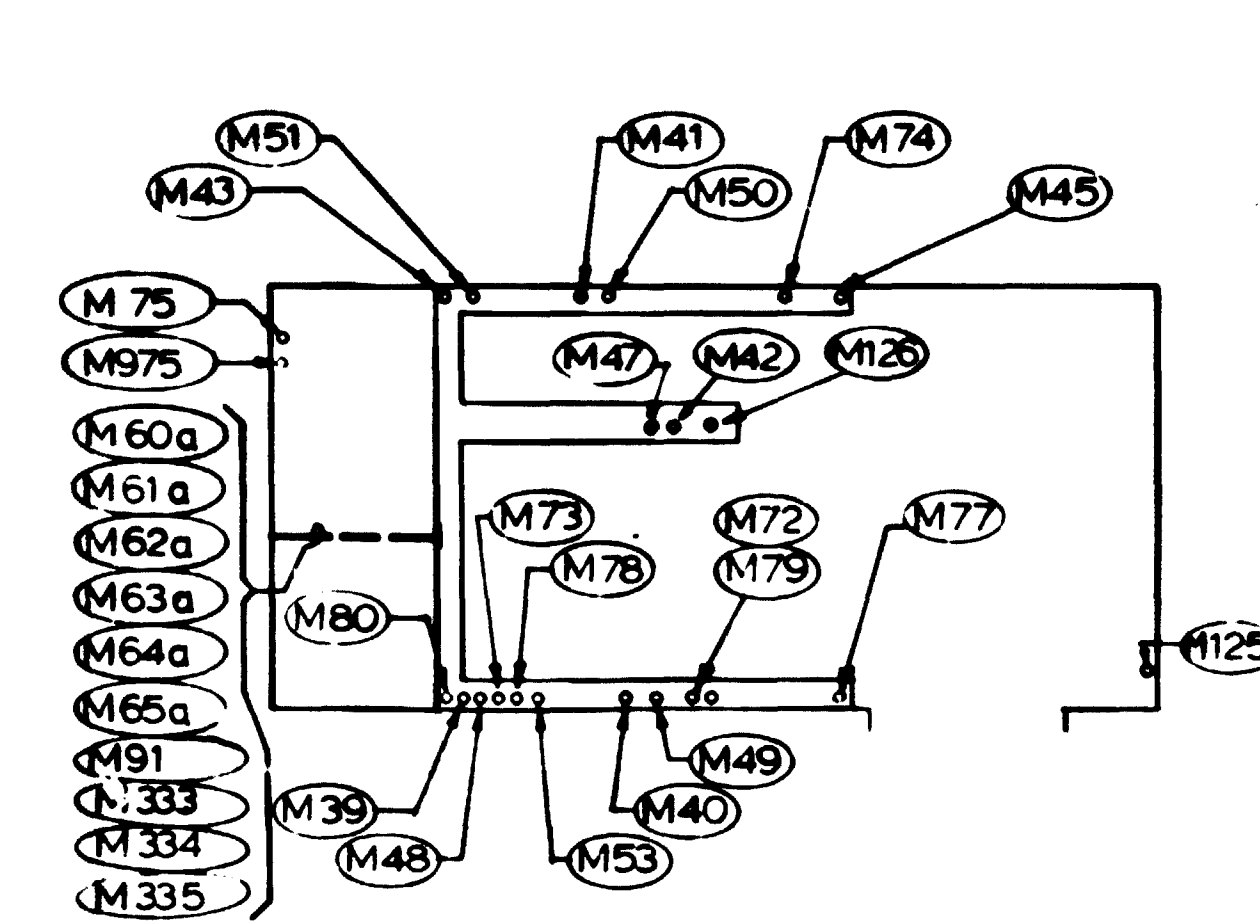
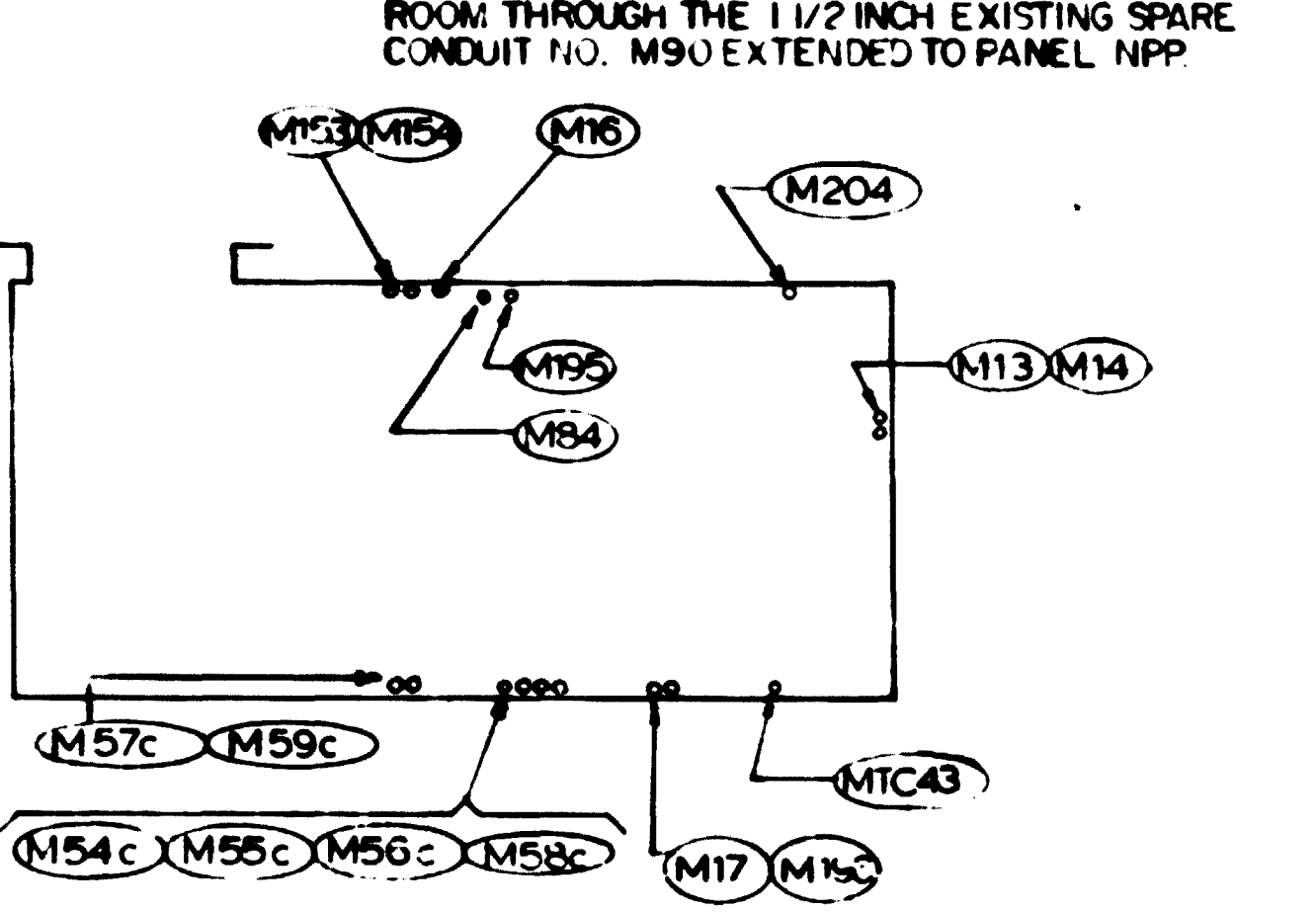
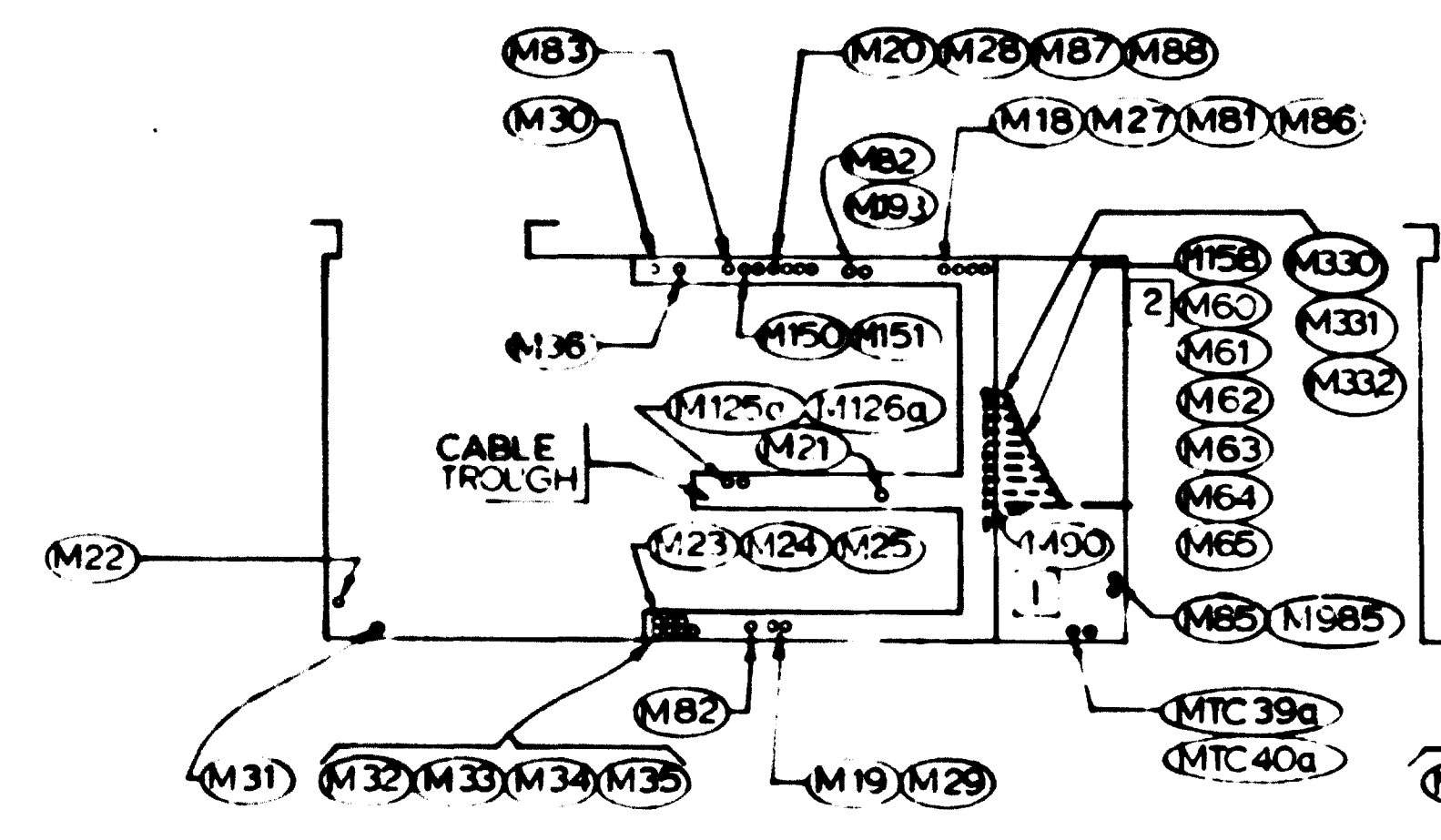


AS-BUILT NOTES:

- SUBSTITUTE "SUMP PUMP NO.'S. 1.2 & 3" FOR "SPARE" INDICATED ON CONDUIT SCHEDULE DRAWING NO. FA12 - E - 74 UNDER FUNCTION FOR CONDUIT M90.
- THE THREE (3) 1" Ø CIRCUITS (NPP/18, NPP/20, AND NPP/22 (INDICATED AS HOME RUNS ON DWG. NO. FA12 - E - 43)) SHOULD BE RUN FROM THE NORTH END OF THE PLATFORM TO THE NORTH A.C. SWITCHBOARD ROOM THROUGH THE 1 1/2" INCH EXISTING SPARE CONDUIT NO. M90 EXTENDED TO PANEL NPP.

NOTES:

- EMERGENCY BLUE LIGHTS ON EMERGENCY TRIP STATION. SEE GENERAL NOTE 7 SEE DWG E-42 FOR LOCATIONS OF EMERGENCY TRIP STATIONS
- ALL SLEEVES IN CEILING SLAB UNLESS OTHERWISE SHOWN OR NOTED. SEE DWG E-48 FOR CONTINUATION.
- COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH TRACTION POWER STAGE CONTRACTORS



CONDUIT STUB-UPS FLOOR & CABLE TROUGH
CONDUIT STUB-OUTS - CEILING
NORTH A.C. SWBD. RM. - PARTIAL PLAN
 SCALE: 1/8"=1'-0" ALL CONDUITS ARE EXISTING (E-42)

CONDUIT STUB-UPS FLOOR & CABLE TROUGH
CONDUIT STUB-OUTS - CEILING
SOUTH A.C. SWBD. RM. - PARTIAL PLAN
 SCALE: 1/8"=1'-0" ALL CONDUITS ARE EXISTING (E-42)

DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
P. S. CHU	2-19-79	S-104	S SERVICE AREA STAIRS	3-31-81	B S	DELETED MCOM102g, MOVED CCTV'S
C. J. REID	2-19-79	A-15	ANCL. SPACES - PLATF. LEVEL	8-23-83	MTN	REVISED PER P.C.O.-68, AS BUILT
H. B. ZACKERSON	6-16-80	M-27	ANCL. AREAS PLATF. LEVEL			REVISED PER P.C.O.-75, AS BUILT
H. B. ZACKERSON	6-16-80					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHAR & COMPANY
 GENERAL ENGINEERING CONSULTANT

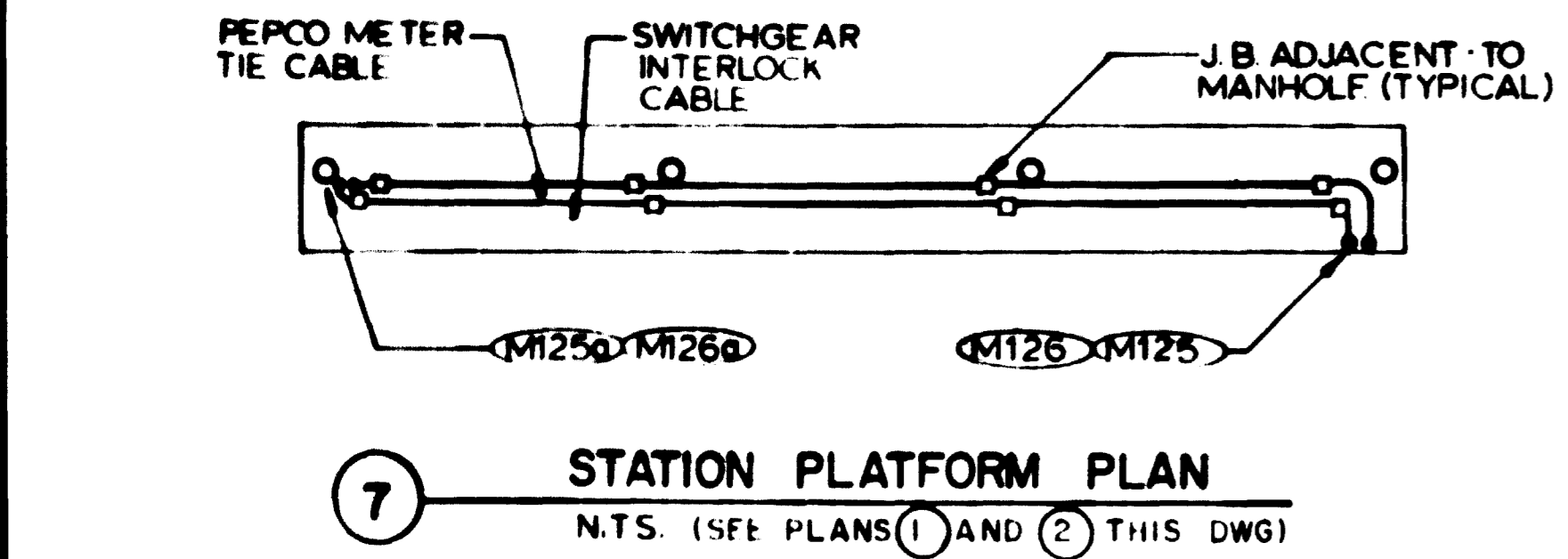
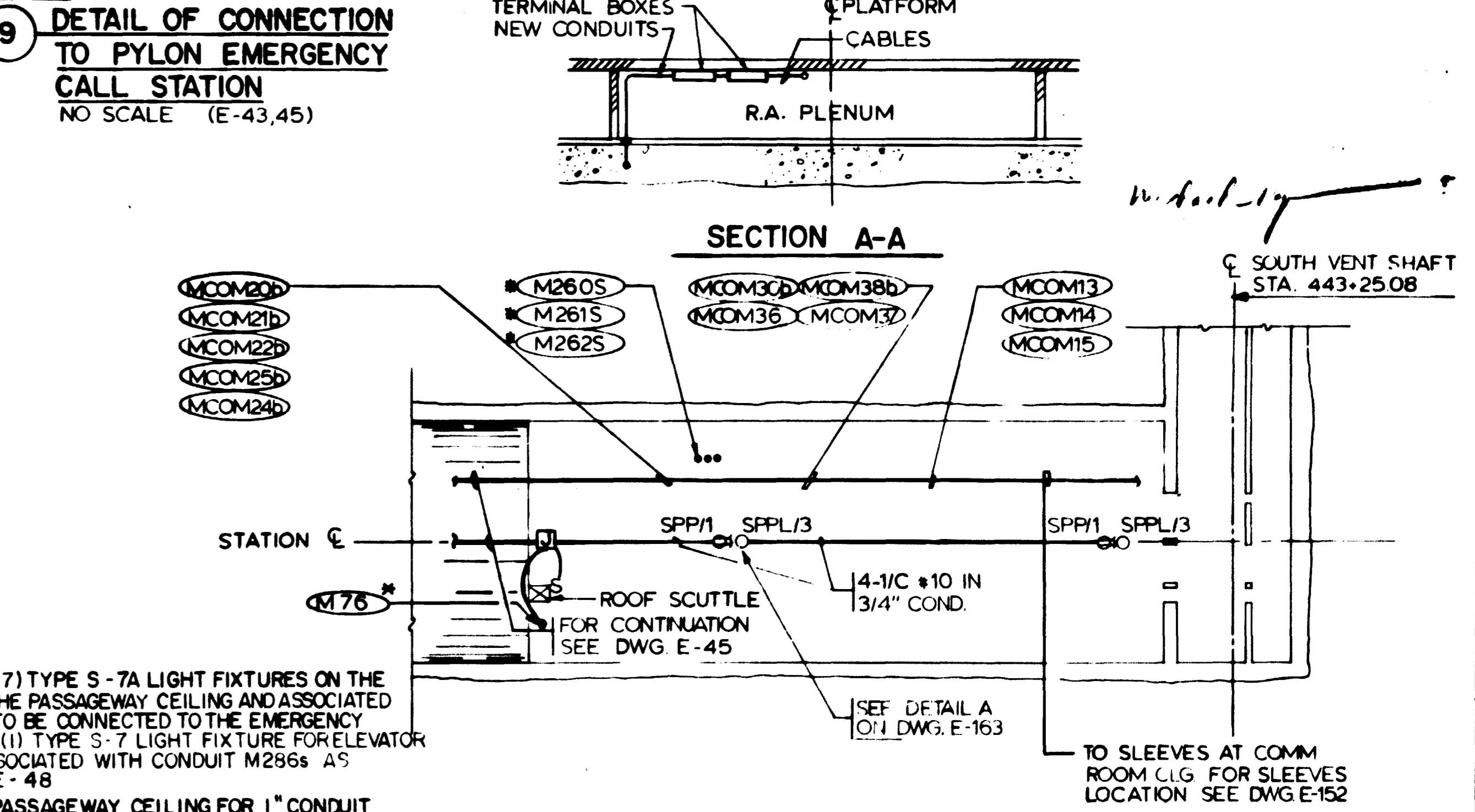
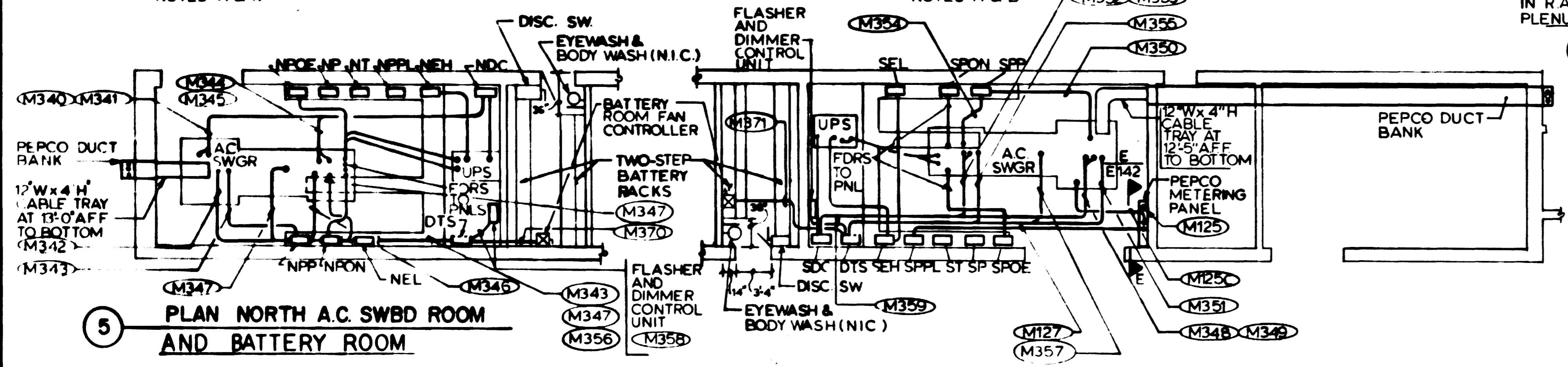
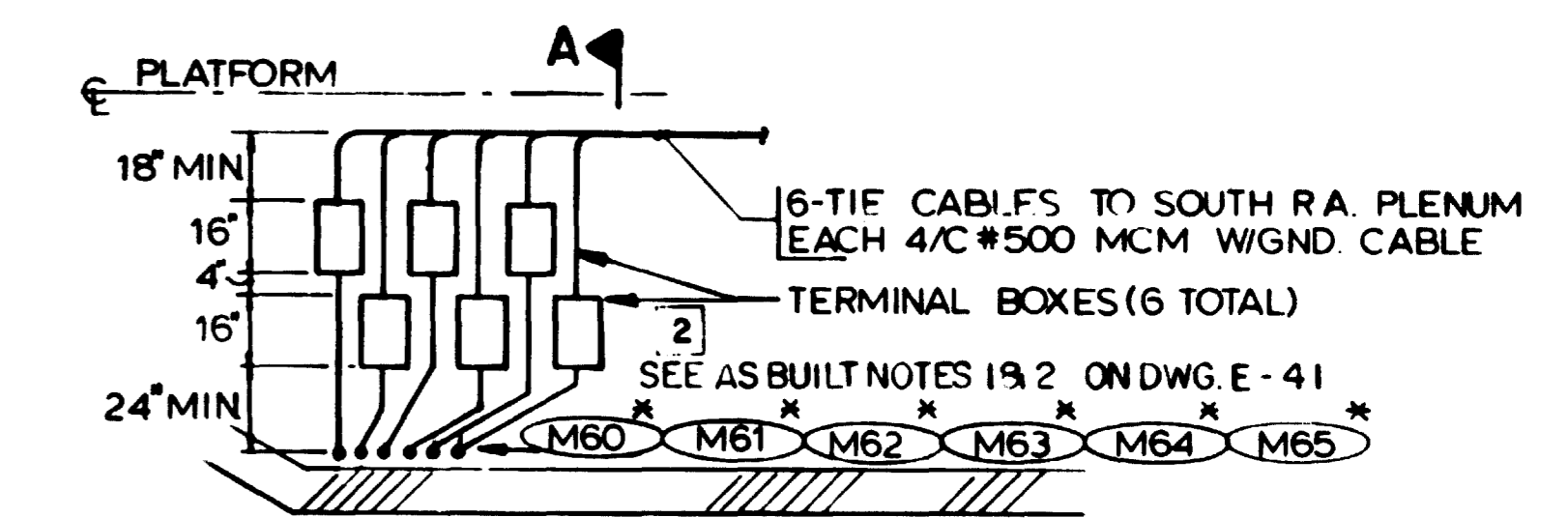
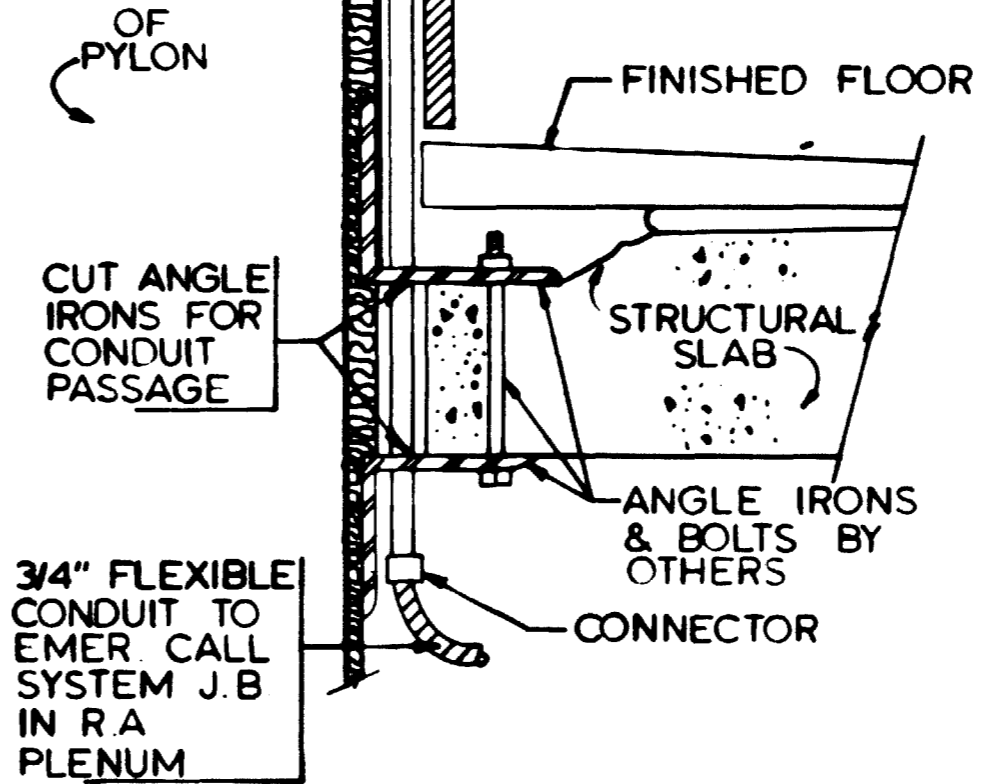
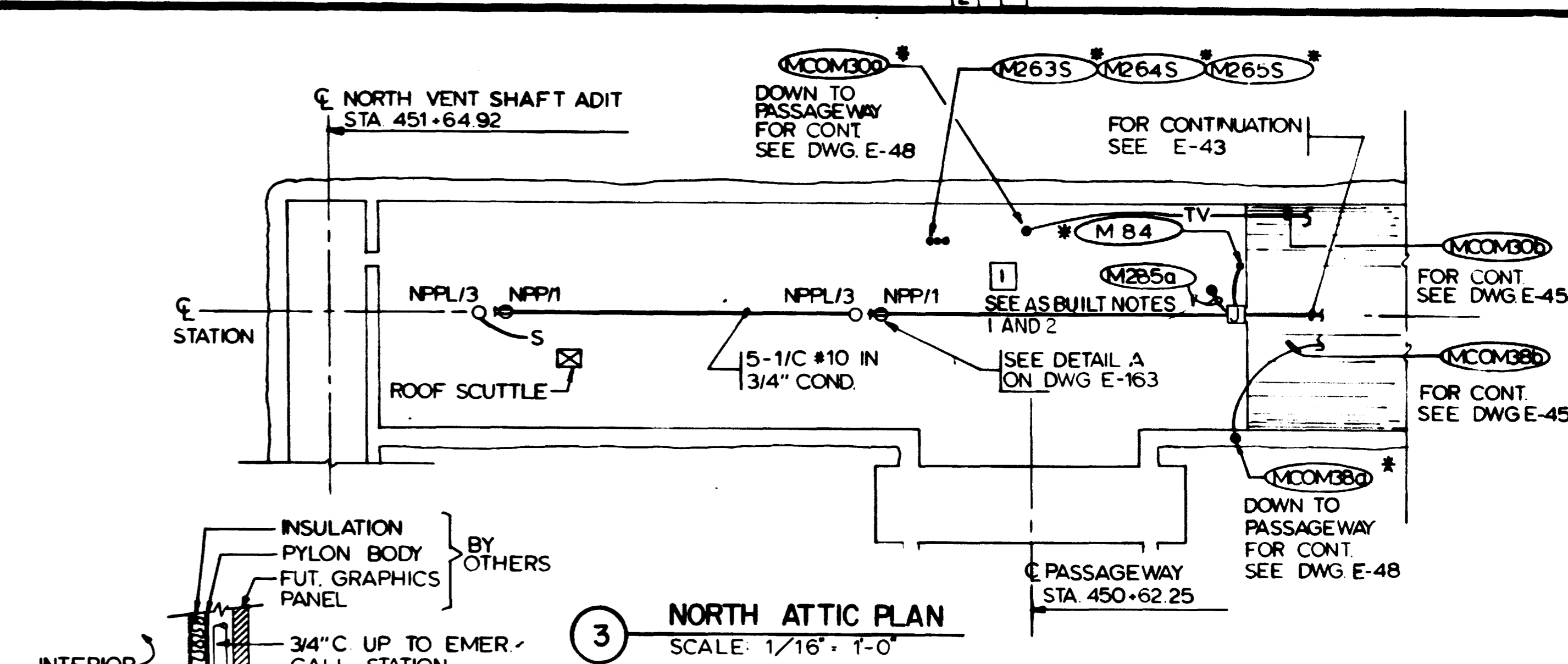
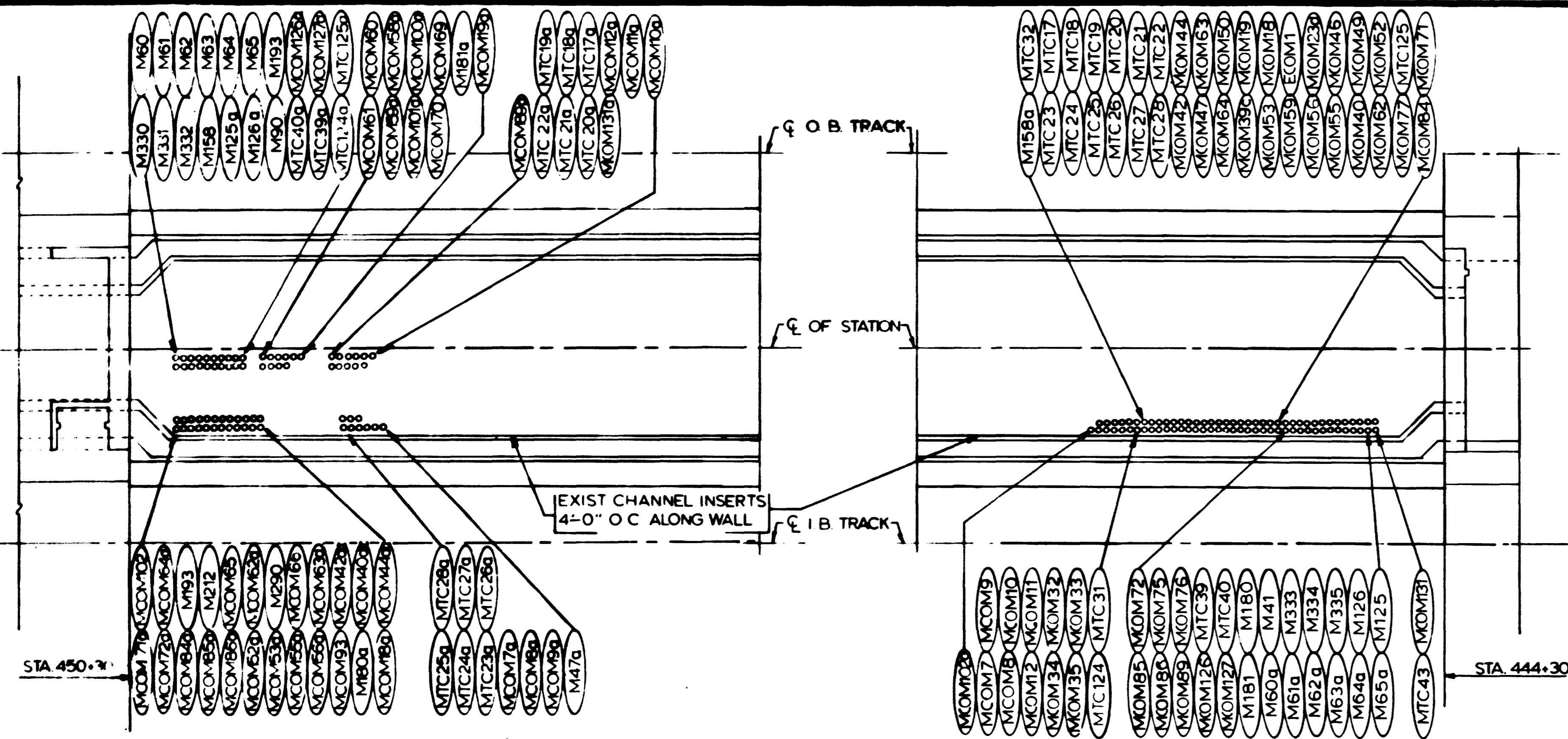
HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jessie Press* DATE 2/10/91 APPROVED

ROCKVILLE ROUTE
MEDICAL CENTER STATION - PLATFORM LEVEL
N & S ANCILLARY SPACES - LIGHTING & RECEPT.

SCALE: 1/8"=1'-0" AND AS NOTED

DRAWING NO. FA12-E-41 M335-295



NOTES

3 A. ALL CABLES ROUTED IN R.A. PLENUMS SHALL BE METAL-SHEATHED OR RUN IN GALVANIZED RIGID STEEL CONDUIT OR FLEXIBLE CONDUIT EXTENSIONS FOR THE TIE CABLE INSTALLATION

B. FIELD-VERIFY INSTALLED LOCATIONS OF MTC43, MCOM131, MCOM132, MTC124 & MTC125 BEFORE INSTALLING CONDUCTORS.

AS BUILT NOTES:

1. INSTALLED SEVEN (7) TYPE S-7A LIGHT FIXTURES ON THE CENTER LINE OF THE PASSAGEWAY CEILING AND ASSOCIATED CONDUIT M285g TO BE CONNECTED TO THE EMERGENCY CIRCUIT, AND ONE (1) TYPE S-7 LIGHT FIXTURE FOR ELEVATOR FOYER CEILING ASSOCIATED WITH CONDUIT M286g AS SHOWN ON D.I. 3, E-48

2. CORE DRILL THE PASSAGEWAY CEILING FOR 1" CONDUIT M285g AT THE LOCATION SHOWN ON DWGS E-142 & E-48

3. DELETE #10 OR #12 GROUND FOR EXISTING 3/4" CONDUITS M76, M82, M84

4. CONDUIT M82 THE 2 #12 IN LIEU OF 2 #10 FOR CIRCUIT NPPL-1 (NOTE NPPL-4 AS INDEICATED) FOR CONNECTING THE SIX 100W LIGHT FIXTURES IN THE NORTH RETURN AIR PLENUM.

DESIGNED P. S. CHU
H. STAUFFER
DRAWN T. SHEPPARD
CHECKED H. B. ZACKERSON
APPROVED H. B. ZACKERSON

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
1	REVISED PER PCO-65, AS-BUILT	8-23-83	HTN	
2	REVISED PER PCO-68, AS-BUILT			
3	REVISED PER PCO-75, AS-BUILT			
4	REVISED PER FIELD CONDITION, AS-BUILT			

REFERENCE DRAWINGS	REVISIONS



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEES & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE 2/10/01 APPROVED *[Signature]*

**ROCKVILLE ROUTE
MEDICAL CENTER STATION
STATION DETAILS**

SCALE: 1/8" = 1'-0" 1 2 4 6 8 10 AND AS NOTED

DRAWING NO. FA12-E-142 M335-297

CABLE DESG.	CONDUCTORS		DWG. NO.	FROM	TO	TYPE SERVICE	SYS. V	ROUTE VIA CONDUIT(S) OR CABLE AREA	REMARKS
	NO.	SIZE							
FDPF-1	3/C	250 NCM W/GND	E-4, E-6, E-22	POOKS HILL TPSS (MDPA-2)	I.B. TRACK CABLE TROUGH	FDR#1 LOCUST HILL PUMPING STA	480V	DUCTBANK JACKPIPE	M160 & M321*
			E-6, E-13	I.B. TRACK CABLE TROUGH	N-SAFETY WALK TRANSITION - I.B.			CABLE TROUGH & CABLE AREA	
			E-6, E-13	N-SAFETY WALK TRANSITION - I.B.	S-SAFETY WALK TRANSITION - I.B.			(157)*	
			E-8, E-6, E-10, E-13	S-SAFETY WALK TRANSITION - I.B.	ENCLOSED CIRCUIT BREAKER AT LOCUST HILL FAN SHAFT ADIT			CABLE AREA	
			E-8, E-9, E-10, E-12	ENCLOSED CIRCUIT BREAKER AT LOCUST HILL SHAFT ADIT	AUTO. TRANSFER SWITCH AT LOCUST HILL PUMPING STATION				
FDPF-2	3/C	250 NCM W/GND	E-4, E-6, E-22	POOKS HILL TPSS (MDPB-2)	O.B. TRACK CABLE TROUGH	FDR #2 LOCUST HILL PUMPING STA	480V	DUCTBANK JACKPIPE	M163 & M327*
			E-6, E-13	O.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION - O.B.			CABLE TROUGH & CABLE AREA	
			E-6, E-13	NORTH SAFETY WALK TRANSITION - O.B.	SOUTH SAFETY WALK TRANSITION - O.B.			(168)*	
			E-6, E-8, E-13	SOUTH SAFETY WALK TRANSITION - O.B.	ENCLOSED CIRCUIT BREAKER AT LOCUST HILL FAN SHAFT ADIT			CABLE AREA	
			E-8, E-9, E-10, E-12	ENCLOSED CIRCUIT BREAKER AT LOCUST HILL SHAFT ADIT	AUTO-TRANSFER SWITCH AT LOCUST HILL PUMPING STATION				
FDPF-3	3/C	#2/0 W/GND	E-4, E-6, E-22	POOKS HILL TPSS (MDPA-4)	I.B. TRACK CABLE TROUGH	FDR#1 LOCUST HILL FAN SHAFT	480V	DUCTBANK & JACKPIPE	M161 & M322*
			E-6, E-13	I.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION				
			E-6, E-13	NORTH SAFETY WALK TRANSITION	S-SAFETY WALK TRANSITION				
			E-6, E-8, E-9, E-13	SOUTH SAFETY WALK TRANSITION	TERMINAL BOX AT LOCUST HILL FAN SHAFT				
			E-27, E-127	TERMINAL BOX AT LOCUST HILL FAN SHAFT	AUTO TRANSFER SWITCH				
FDPF-4	3/C	#2/0 W/GND	E-4, E-6, E-22	POOKS HILL TPSS (MDPB-4)	O.B. TRACK CABLE TROUGH	FDR #2 LOCUST HILL FAN SHAFT	480V	DUCTBANK JACKPIPE	M162 & M328*
			E-5, E-13	O.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION - O.B.			CABLE TROUGH & CABLE AREA	
			E-6, E-8, E-27, E-13	NORTH SAFETY WALK TRANSITION - O.B.	SOUTH SAFETY WALK TRANSITION - O.B.			(154)*	
			E-6, E-8, E-10, E-13	SOUTH SAFETY WALK TRANSITION - O.B.	TERMINAL BOX AT LOCUST HILL FAN SHAFT			CABLE AREA	
			E-27, E-127	TERMINAL BOX AT LOCUST HILL FAN SHAFT	AUTO TRANSFER SWITCH LOCUST HILL FAN SHAFT				
FPEL-0B	4/C	#8 W/GND	E-4, E-5	PML 'PM' POOKS HILL TPSS (PM-3)	O.B. TRACK CABLE TROUGH	ESSENTIAL FDR - TUNNEL	480V	DUCTBANK JACKPIPE	M161 & M326*
			E-5, E-13	O.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION - O.B.			CABLE TROUGH & CABLE AREA	
			E-5, E-13	NORTH SAFETY WALK TRANSITION - O.B.	SOUTH SAFETY WALK TRANSITION - O.B.			(151)*	
			E-5, E-7, E-9, E-13	SOUTH SAFETY WALK TRANSITION - O.B.	O.B. SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT			CABLE AREA	
			E-9	O.B. SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT	O.B. SAFETY WALK SOUTH OF LOCUST HILL FAN SHAFT			(126)*	SEE PARTIAL PLAN DWG E-7
			E-9, E-10	O.B. SAFETY WALK, SOUTH OF LOCUST HILL FAN SHAFT	LIGHTING FIXTURE AT STA 486+00 - O.B.			CABLE AREA	

CABLE DESG.	CONDUCTORS		DWG. NO.	FROM	TO	TYPE SERVICE	SYS. V	ROUTE VIA CONDUIT(S) OR CABLE AREA	REMARKS
	NO.	SIZE							
FPEL-0B	4/C	#8 W/GND	E-4, E-5	POOKS HILL TPSS (EL-1,3,5)	O.B. TRACK CABLE TROUGH	EMERG. LTG. FDR FOR TUNNEL	480V	JACK PIPE & DUCTBANK	M165 & M125*
			E-5, E-13	O.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION - O.B. STA 507 + 80			CABLE TROUGH & CABLE AREA	
			E-5, E-13	NORTH SAFETY WALK TRANSITION - O.B.	SOUTH SAFETY WALK TRANSITION O.B.			(150)*	SEE PARTIAL PLAN DWG E-6
			E-5, E-7, E-13	SOUTH SAFETY WALK TRANSITION - O.B.	SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT			CABLE AREA	
			E-9	SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT	SAFETY WALK SOUTH OF LOCUST HILL FAN SHAFT			(125)*	SEE PARTIAL PLAN DWG. E-7
			E-9, E-10	SAFETY WALK SOUTH OF LOCUST HILL FAN SHAFT	LIGHTING FIXTURE AT STA. 485 + 70 - O.B.			CABLE AREA	
			E-3, E-4	EMER. LTG. FIXTURE AT STA. 509 + 80	TERMINAL BOX IN MANHOLE AT STA. 513 + 23			CABLE TROUGH AND DUCT BANK	
FPP-0B	3/C	#8 W/GND	E-4, E-6	POOKS HILL TPSS (PH-7)	O.B. TRACK CABLE TROUGH	NON-ESSENTIAL FDR FOR TUNNEL	480V	JACKPIPE DUCTBANK	M167 & M126*
			E-6, E-13	O.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION - O.B.			CABLE TROUGH & CABLE AREA	
			E-6, E-13	NORTH SAFETY WALK TRANSITION - O.B.	S-SAFETY WALK TRANSITION O.B.			(152)*	
			E-6, E-8, E-10, E-13	SOUTH SAFETY WALK TRANSITION - O.B.	LOAD CENTER STD-7 AT STA. 487 + 98			CABLE AREA	
FPEL-1B	4/C	#8 W/GND	E-4, E-5	PML 'EL' IN POOKS HILL TPSS (EL-2,4,6)	I.B. TRACK CABLE TROUGH	EMERG. LTG. FDR. FOR TUNNEL	480V	JACKPIPE DUCTBANK	M168 & M127*
			E-5, E-13	I.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION - I.B.			CABLE TROUGH & CABLE AREA	
			E-5, E-13	NORTH SAFETY WALK TRANSITION - I.B.	S-SAFETY WALK TRANSITION - I.B.			(153)*	SEE PARTIAL PLAN DWG E-6
			E-7, E-9, E-13	SOUTH SAFETY WALK TRANSITION - I.B.	I.B. SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT			CABLE AREA	
			E-9	I.B. SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT	I.B. SAFETY WALK SOUTH OF LOCUST HILL FAN SHAFT			(128)*	SEE PARTIAL PLAN DWG E-7
			E-9, E-10	I.B. SAFETY WALK SOUTH OF LOCUST HILL FAN SHAFT	LIGHTING FIXTURE AT STA 485+70 I.B.			CABLE AREA	
			E-3, E-4	EMERG. LTG. FIXTURE AT STA. 509 + 80	TERMINAL BOX IN MANHOLE AT STA. 518 + 23			CABLE TROUGH AND DUCTBANK	
FDWV-2	3	#3/0 #2 GND	E-20, E-42	ESSENTIAL SOUTH A.C. SWBD RM.	TERMINAL BOX OVER SOUTH SAFETY WALK - O.B.	FDR #2 WEST VIRGINIA FAN SHAFT		(M42)*	
	3/C	#3/0 W/GND	E-19	TERMINAL BOX OVER SOUTH SAFETY WALK - O.B.	NORTH OF SAFETY WALK TRANSITION AT STA. 441+15.50			VIA (19)*	
	3/C		E-20	SOUTH OF SAFETY WALK TRANSITION AT STA 441 + 15.50	TERMINAL BOX OVER O.B. SAFETY WALK AT STA. 440 + 24.02			CABLE AREA	

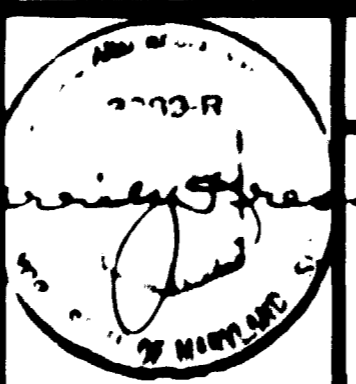
DESIGNED P. S. CHU DATE 7-10-79	REFERENCE DRAWINGS	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		ROCKVILLE ROUTE MEDICAL CENTER STATION CABLE SCHEDULE
DRAWN B. BRANTON DATE 8-16-80	NUMBER DESCRIPTION	DATE BY DESCRIPTION	MATHews • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER		
CHECKED H. B. ZACKRISON DATE 8-18-80			DE LEUW, CATHEN & COMPANY GENERAL ENGINEERING CONSULTANT		HARRY WEISE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT
APPROVED H. B. ZACKRISON DATE 8-1-79			SUBMITTED <i>[Signature]</i> DATE 2/10/81		
			APPROVED <i>[Signature]</i>		SCALE: NONE
					DRAWING NO. FAI2-E-65
					M335-328

CABLE DESIG	CONDUCTORS		DWG. NO.	FROM	TO	TYPE SERVICE	SYS. V	ROUTE VIA CONDUIT(S) OR CABLE AREA	REMARKS
	NO.	SIZE							
FPL-1B	3/C	#8 W/GND.	E-4,E-6	PNL "PH" POKS HILL TRACTION PWR. SUBSTA. (PH-6)	I.B. TRACK CABLE TROUGH	NON-ESSENTIAL FDR. FOR LEAD CENTER	480	JACK PIPE DUCT BANK	M167 & M324*
			E-6,E-13	I.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION-I.B.			CABLE TROUGH & CABLE AREA	
			E-6,E-13	NORTH SAFETY WALK TRANSITION-I.B.	S-SAFETY WALK TRANSITION I.B. TRACK			(155)*	
			E-6,E-8 E-10,E-13	SOUTH SAFETY WALK TRANSITION-I.B.	LOAD CENTER STT-11 AT STA. 487+98-I.B.			CABLE AREA	
FPL-1B	4/C	#8 W/GND.	E-4,E-5	PNL "PH" IN PH TRACTION PWR SUBSTA. (PH-4)	I.B. TRACK CABLE TROUGH	ESSENTIAL FDR	480	JACKPIPE DUCTBANK	M167 & M324*
			E-5,E-13	I.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION-I.B.			CABLE TROUGH & CABLE AREA	
			E-5,E-13	NORTH SAFETY WALK TRANSITION-I.B.	S-SAFETY WALK TRANSITION I.B. TRACK			(154)*	
			E-5,E-7, E-9,E-13	SOUTH SAFETY WALK TRANSITION-I.B.	I.B. SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT			CABLE AREA	
			E-9	I.B. SAFETY WALK NORTH OF LOCUST HILL FAN SHAFT	S-LOCUST HILL FAN SHAFT SAFETY WALK-I.B.			(129)*	SEE PARTIAL PLAN DWG. E-10
			E-9,E-10	I.B. SAFETY WALK SOUTH OF LOCUST HILL FAN SHAFT	LIGHTING FIXTURE AT STA. 486+03-I.B.			CABLE AREA	
FPL-1B	4	500 NCM #2 GND	E-142,53, 54	N. & S. AC SWITCHBOARD ROOMS	J.B. IN N. & S. RA PLENUM	SUBSTATION TIE	480	THRU M65* THRU M62a* THRU M65a*	SEE M60* THRU M65* & M62a* THRU M65a*
	4/C	500 NCM W/GND	E-142	J.B. IN NORTH RA PLENUM	J.B. IN SOUTH RA PLENUM			RA PLENUM	
FDLT	4/C	#6 W/GND.	E-4,E-6, E-22	POOKS HILL TPSS (PH-9)	I.B. TRACK CABLE TROUGH	FDR LOCUST HILL TIE BREAKER STATION	480	JACK PIPE DUCT BANK	M166 & M323*
			E-6,E-13	I.B. TRACK CABLE TROUGH	NORTH SAFETY WALK TRANSITION-I.B.			CABLE TROUGH & CABLE AREA	
			E-6,E-13	NORTH SAFETY WALK TRANSITION-I.B.	SOUTH SAFETY WALK TRANSITION-I.B.			(154)*	SEE PARTIAL PLAN DWG. E-10
			E-6,E-8, E-10,E-13 E-127	SOUTH SAFETY WALK TRANSITION-I.B.	DISC. SW. IN LOCUST HILL DC TIE BREAKER STATION			CABLE AREA	
FMNL-OB	4	#8 #10 GND	E-17,E-18	N-AC SWBD RM MEDICAL CENTER STATION (NT-7,9,11)	TERMINAL BOX OVER NORTH O.B. TRACK SAFETY WALK	ESSENTIAL FDR	480	(M20)*	SEE PARTIAL PLAN DWG. E-18
	4/C	#6 W/GND	E-13,E-15	TERMINAL BOX OVER SAFETY WALK	O.B. SAFETY WALK SOUTH OF NORTH DRIVE SHAFT			CABLE AREA	
			E-13,E-14	O.B. SAFETY WALK SOUTH OF NORTH DRIVE SHAFT	O.B. SAFETY WALK NORTH OF NORTH DRIVE SHAFT			(119)*	SEE PARTIAL PLAN DWG. E-14
			E-9,E-11, E-13	O.B. SAFETY WALK NORTH OF NORTH DRIVE SHAFT	LIGHTING FIXTURE AT STA. 485+30-O.B.			CABLE AREA	
FMNL-OB	4	#8 #10 GND	E-17,E-18	N-AC SWBD RM MED CTR STA (NEH-7,9,11)	TERMINAL BOX OVER N-OB TRACK SAFETY WALK	EMER LIGHTING FDR.	480	(M18)*	SEE CONDUIT SCHEDULE DWG E-73
	4/C	#6 W/GND	E-13,E-15	TERMINAL BOX OVER OB SAFETY WALK	O.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT			CABLE AREA	
			E-13,E-14	O.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT	O.B. SAFETY WALK NORTH OF NORTH DR. SHAFT			(118)*	SEE PARTIAL PLAN DWG E-14
			E-9,E-11 E-13	O.B. SAFETY WALK NORTH OF NORTH DR. SHAFT	LIGHTING FIXTURE AT STA. 485 + 30 - O.B.			CABLE AREA	
FMNP-OB	3	#4 #8 GND	E-18	N-AC SWBD RM MED CTR STA (NPN-3)	TERMINAL BOX OVER N-OB TRACK SAFETY WALK	NON ESSENTIAL FDR	480	(M19)*	SEE CONDUIT SCHEDULE DWG E-73
	3/C	#4 W/GND	E-14,E-16	TERMINAL BOX OVER NORTH OB SAFETY WALK	OB SAFETY WALK SOUTH OF NORTH DR. SHAFT			CABLE AREA	
			E-14,E-16	OB SAFETY WALK SOUTH OF NORTH DR. SHAFT	OB SAFETY WALK NORTH OF NORTH DR. SHAFT			(120)*	SEE PARTIAL PLAN DWG E-14
			E-14,E-12 E-13	OB SAFETY WALK NORTH OF NORTH DR. SHAFT	LOAD CENTER NTT-13 AT STA. 484 + 78 - OB			CABLE AREA	

CABLE DESIG	CONDUCTORS		DWG. NO.	FROM	TO	TYPE SERVICE	SYS. V	ROUTE VIA CONDUIT(S) OR CABLE AREA	REMARKS
	NO.	SIZE							
FMNL-IB	4	#8 #10 GND	E-17,E-18	N-AC SWBD RM MED CTR STA (NT-8,10,12)	TERMINAL BOX OVER NIB TRACK SAFETY WALK	ESSENTIAL FDR	480	(M28)*	
	4/C	#8 W/GND	E-13,E-15	TERMINAL BOX OVER NORTH SAFETY WALK - I.B.	I.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT			CABLE AREA	
			E-13,E-14	I.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT	I.B. SAFETY WALK NORTH OF NORTH DR. SHAFT			(122)*	SEE PARTIAL PLAN DWG E-14
			E-9,E-11 E-13	I.B. SAFETY WALK NORTH OF NORTH DR. SHAFT	LIGHTING FIXTURE AT STA 485 + 30-I.B.			CABLE AREA	
FMNL-IB	4	#8 #10 GND	E-17,E-18	N-AC SWBD RM MED CTR STA (NEH-6,8,10)	TERMINAL BOX OVER NIB TRACK SAFETY WALK	EMER LIGHTING FDR	480	(M27)*	
	4/C	#8 W/GND	E-13,E-15	TERMINAL BOX OVER NIB TRACK SAFETY WALK	I.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT			CABLE AREA	
			E-13,E-14	I.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT	I.B. SAFETY WALK NORTH OF NORTH DR. SHAFT			(121)*	SEE PARTIAL PLAN DWG E-14
			E-9,E-11 E-13	I.B. SAFETY WALK SOUTH NORTH DR. SHAFT	LIGHTING FIXTURE AT STA. 485+30 I.B.			CABLE AREA	
FMNP-IB	3	#4 #8 GND.	E-18	N-AC SWBD RM MED CTR STA (NPN-4)	TERMINAL BOX OVER NIB TRACK SAFETY WALK	NON-ESSENTIAL FDR	480	(M29)*	
	3/C	#4 W/GND	E-14,E-16 E-18	TERMINAL BOX OVER NORTH SAFETY WALK IB TRACK	I.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT			CABLE AREA	
			E-14	I.B. SAFETY WALK SOUTH OF NORTH DR. SHAFT	I.B. SAFETY WALK NORTH OF NORTH DR. SHAFT			(123)*	SEE PARTIAL PLAN DWG E-14
			E-10,E-12 E-14	I.B. SAFETY WALK NORTH OF NORTH DR. SHAFT	LOAD CENTER NTT-18 AT STA 484 + 78 - I.B.			CABLE AREA	
FDPH-1	3/C	#8 W/GND	E-4, E-6 E-22	AC SWBD POKS HILL RD TPSS (MDPA-3)	MANHOLE #4, GROUP 1	FDR#1 POKS HILL PUMPING STA.	480	JACK PIPE DUCTBANK	M164* & M120*
			E-4,E-6 E-22	POOKS HILL PUMPING STA TRANSFER SWITCH				(M11)* & 1" COND.	
FDPH-2	3/C	#8 W/GND	E-4,E-6	AC SWBD POKS HILL RD TPSS (MDPB-3)	MANHOLE #4, GROUP 1 TRANSFER SWITCH	FDR#2 POKS HILL PUMPING STA	480	JACK PIPE DUCTBANK	M167* & M124*
			E-4,E-6 E-22	POOKS HILL PUMPING STA TRANSFER SWITCH				(M16)* & 1" COND.	
FMNL-IB	4	#8 #10 GND	E-20	SOUTH AC SWBD RM (ST-8,10,12)	TERMINAL BOX OVER SOUTH I.B. TRACK SAFETY WALK	ESSENTIAL FDR		(M49)*	
	4/C	#8 W/GND	E-9	TERMINAL BOX OVER SOUTH I.B. SAFETY WALK	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15, 50 I.B.			(26)*	
			E-19	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15 I.B.	I.B. SAFETY WALK AT STA 440+24.02			CABLE AREA	
FMSEL-IB	4	#10 #10 GND	E-20	SOUTH AC SWBD RM (SEH-7,9,11)	TERMINAL BOX OVER SOUTH I.B. SAFETY WALK	EMER LIGHTING FDR		(M48)*	
	4/C	#10 W/GND.	E-19	TERMINAL BOX OVER SOUTH I.B. SAFETY WALK	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 I.B.	EMER LIGHTING FDR		(25)*	
			E-19	SOUTH OF SAFETY WALK TRANSITION AT STA. 441+15.50 I.B.	I.B. SAFETY WALK AT STA 440+24.02			CABLE AREA	
FMSP-IB	3	#8 #10 GND	E-20	SOUTH AC SWBD RM (SPON 1,3,5)	TERMINAL BOX OVER SOUTH I.B. SAFETY WALK	NON-ESSENTIAL FDR		(M50)*	
	3/C	#8 W/GND	E-19	TERMINAL BOX OVER SOUTH I.B. SAFETY WALK	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 I.B.			(27)*	
			E-19	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 I.B.	I.B. SAFETY WALK AT STA 440+24.02			CABLE AREA	
FMNL-OB	4	#8 #10 GND	E-20	SOUTH AC SWBD RM (ST-7,9,11)	TERMINAL BOX OVER SOUTH O.B. SAFETY WALK	ESSENTIAL FDR		(M40)*	
	4/C	#8 W/GND	E-19	TERMINAL BOX OVER SOUTH I.B. SAFETY WALK	SOUTH OF SAFETY WALK TRANSITION STA 441+15.50 O.B.			(17)*	
			E-19	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 O.B.	SOUTH SAFETY WALK O.B. AT STA 440+24.02 OB			CABLE AREA	
FMSEL-OB	4	#10 #10 GND	E-20	SOUTH AC SWBD RM (SEH-6,8,10)	TERMINAL BOX OVER SOUTH SAFETY WALK O.B.	EMER LIGHTING FDR		(M39)*	
	4/C	#10 W/GND	E-19	TERMINAL BOX OVER SOUTH O.B. SAFETY WALK	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 O.B.			(16)*	
			E-19	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 O.B.	SOUTH SAFETY WALK AT STA 440+24.02 O.B.			CABLE AREA	
FMSP-OB	3	#8 #10 GND	E-20	SOUTH AC SWBD RM (SPON-2,4,6)	TERMINAL BOX OVER SOUTH SAFETY WALK O.B.	NON-ESSENTIAL FDR		(M41)*	
	3/C	#8 W/GND	E-19	TERMINAL BOX OVER SOUTH SAFETY WALK - O.B.	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 O.B.			(18)*	
			E-19	SOUTH OF SAFETY WALK TRANSITION AT STA 441+15.50 O.B.	SOUTH SAFETY WALK O.B. AT STA 440+24.02 O.B.			CABLE AREA	

DESIGNED P.S. CHU 7-10-79
 DRAWN G. BRAYTON 8-23-79
 CHECKED H.B. ZACKRISON 6-16-80
 APPROVED H.B. ZACKRISON 6-16-80

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
		8-23-83	HTN



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHEN & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEISE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jerry J. [Signature]* DATE 2/10/81 APPROVED _____

**ROCKVILLE ROUTE
 MEDICAL CENTER STATION
 CABLE SCHEDULE**

SCALE: NONE DRAWING NO. FA12-E-66 M335-329

DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
SAFETY WALK TRANSITION 507+80 O.B.										
150	2"	PVC	E-13	O.B. SAFETY WALK (EAST)	O.B. SAFETY WALK (WEST)	EMERGENCY LIGHT FDR AND GROUND WIRE	480V	4/C	#8 W/GND. #4/0	FPPEL-OB
151	4"					ESSENTIAL LIGHT FDR FDR #2 FOR LOCUST HILL FAN SHAFT	480V	4/C	#8 W/GND. #8 W/GND.	FPL-OB FDLP-2
152	4"					NON-ESSENTIAL FDR & BRANCH CKT FOR RECEPT	480V 240V	3/C	#8 W/GND. #10 W/GND.	
167	3"					SPARE				FPP-OB
168	3"					FDR #2 FOR LOCUST HILL PUMPING STATION	480V	3/C	250MCM W/GND.	FDLP-2
COM141 THRU COM143	4"					FUT. COMMUNICATION CABLES				
TC184 THRU TC189	4"					FUT. TRAIN CONTROL CABLES				
LOCUST HILL VENT/FAN SHAFT O.B.										
153	2"	PVC	E-13	I.B. SAFETY WALK (EAST)	I.B. SAFETY WALK (WEST)	EMERGENCY LIGHT FDR & GROUND WIRE	480V	4/C	#10 W/GND. #4/0	FPPEL-IB
154	4"					ESSENTIAL FDR & FDRS FOR LOCUST HILL FAN SHAFT AND TIE BKR. STA.	480V	4/C	#8 W/GND. #6 W/GND.	
155	4"					NON-ESSENTIAL FDR & BRANCH CKT. FOR RECEPT.	480V 240V	3/C	#8 W/GND. #10 W/GND.	FPL-IB FDLP-1 FDLT
156	3"					SPARE				
157	3"					FDR #1 FOR LOCUST HILL PUMPING STATION	480V		250MCM W/GND.	FDLP-1
COM131 THRU COM133	4"					FUT. COMM. CABLES				
TC178 THRU TC183	4"					FUT. TRAIN CONTROL CABLES				
LOCUST HILL VENT/FAN SHAFT I.B.										
125	2"	GSR	E-10	O.B. SAFETY WALK NORTH OF ADIT	O.B. SAFETY WALK SOUTH OF ADIT	EMERGENCY LIGHT FDR & GROUND WIRE	480V	4/C	#8 W/GND. #4/0	FPPEL-OB
126	2"					ESSENTIAL FDR	480V	4/C	#8 W/GND.	FPL-OB
127	2"					BRANCH CKT FOR RECEPT.	240V	3/C	#10 W/GND.	
142 158	3"					SPARE				
COM153	3"					SPARE				
COM119 THRU COM121	4"					FUT. COMM. CABLES				
TC-142 THRU TC147	4"					FUT. TRAIN CONTROL CABLES				
LOCUST HILL VENT/FAN SHAFT - I.B.										
128	2"	GSR	E-10	I.B. SAFETY WALK NORTH OF ADIT	I.B. SAFETY WALK SOUTH OF ADIT	EMERGENCY LIGHT FDR & GROUND WIRE	480V	4/C	#10 W/GND. #4/0	FPPEL-I.B.
129	2"					ESSENTIAL FDR	480V	4/C	#8 W/GND.	FPL-I.B.
130	2"					BRANCH CKT FOR RECEPT.	240V 120V	3/C 2/C	#10 W/GND. #10 W/GND.	
135	2"					FDR FOR LOCUST HILL TIE BREAKER STATION	480V	3/C	#6 W/GND.	FDLT
136	4"					SPARE				
COM154 COM155	4"					SPARE				
COM122 THRU COM124	4"					FUT. COMM. CABLES				
TC148 THRU TC153	4"					FUT. TRAIN CONTROL CABLES				

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
NORTH DRIVE SHAFT - O.B.										
118	2"	GSR	E-14	O.B. SAFETY WALK NORTH OF ADIT	O.B. SAFETY WALK SOUTH OF ADIT	EMERGENCY LIGHT FDR	480V	4/C	#8 W/GND.	FMNEL-OB
119	2"					ESSENTIAL FDR	480V	4/C	#6 W/GND.	FMNL-OB
120	2"					NON-ESSENTIAL FDR	480V	3/C	#8 W/GND.	FMNP-OB
124 141 COM143	2"					SPARE				
160 THRU 162	-					SPARE				
COM113 THRU COM115	4"					FUT. COMM. CABLE				
TC129 THRU TC134	4"					FUT. TRAIN CONTROL CABLE				
NORTH DRIVE SHAFT - I.B.										
121	2"	GSR	E-14	I.B. SAFETY WALK NORTH OF ADIT	I.B. SAFETY WALK SOUTH OF ADIT	EMERGENCY LIGHT FDR	480V	4/C	#10 W/GND.	FMNEL - IB
122	2"					ESSENTIAL FDR	480V	4/C	#8 W/GND.	FMNL - IB
123	2"					NON-ESSENTIAL FDR	480V	3/C	#8 W/GND.	FMNP - IB
134	2"					SPARE				
163 164	3"					SPARE				
COM149	4"					SPARE				
COM150	3"					SPARE				
COM116 THRU COM118	4"					FUT. COMM. CABLES				
TC135 THRU TC140	4"					FUT. TRAIN CONTROL CABLES				
SAFETY WALK TRANSITION AT STA. 441+15.50 - O.B.										
16	2"	PVC	E-19	O.B. SAFETY WALK EAST	O.B. SAFETY WALK WEST	EMERGENCY LIGHT FDR	480V	4/C	#10 W/GND.	FMSEL-OB
17	2"					ESSENTIAL FDR	480V	4/C	#8 W/GND.	FMSL-OB
18	2"					NON-ESSENTIAL FDR & BRANCH CKT FOR RECEPT.	480V 240V	3/C	#10 W/GND.	FMSF-OB
8	2"					SPARE				
19	4"					FDR #2 FOR WEST VIRGINIA FAN SHAFT	480V	3/C	#3/0 W/GND.	FDWV-2
22 23	4"					SPARE				
24 COM31	3"					SPARE				
COM25 THRU COM27	4"					FUT. COMM. CABLES				
TC28 THRU TC33	4"					FUT. TRAIN CONTROL CABLES				
SAFETY WALK TRANSITION AT STA. 441+15.50 - I.B.										
25	2"	PVC	E-19	I.B. SAFETY WALK EAST	I.B. SAFETY WALK WEST	EMERGENCY LIGHT FDR	480V	4/C	#10 W/GND.	FMSL-IB
26	2"					ESSENTIAL FDR	480V	4/C	#8 W/GND.	FMSL-IB
27	4"					NON ESSENTIAL FDR & BRANCH CKT FOR RECEPT.	480V 240V	3/C 3/C	#10 W/GND. #10 W/GND.	FMSF-IB
28, 29 42	3"					SPARE				
COM32 COM33	4"					SPARE				
COM28 THRU COM30	4"					FUT. COMM. CABLES				
TC34 THRU TC39	4"					FUT. TRAIN CONTROL CABLES				

AS BUILT CONDITION

NOTE: ALL CONDUITS LISTED ON THIS DRAWING ARE EXISTING.

DESIGNED P. S. CHU 7-18-79
 DRAWN S. BRAYTON 8-22-79
 CHECKED H. B. ZACKRISON 9-18-80
 APPROVED H. B. ZACKRISON 9-18-80

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEED & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Janet J. Press* DATE 2/10/81 APPROVED *Paul J. Mahan*

**ROCKVILLE ROUTE
MEDICAL CENTER STATION
TUNNEL CONDUIT SCHEDULE**

SCALE NONE DRAWING NO. FA12-E-67 PROJECT NO. M335-330

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS	CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS	
DESIG.	SIZE	TYPE						NO.	SIZE		DESIG.	SIZE	TYPE						NO.	SIZE		
MTC-11* THRU MTC-8a*	4"	PVC	E-20 E-152	TRAIN CONTROL ROOM	SAFETY WALK-I.B. CROSSOVER, SOUTH	TRAIN CONTROL				CONTINUES EXISTING CONDUIT OR SLEEVE (TYPICAL)	DP-1* THRU DP-2*	3"	PVC	E-123 E-252	POOKS HILL TPSS	O.B. CONTACT RAIL AT STA 510+25.50	FUTURE POSITIVE CABLES				CONTINUES EXISTING CONDUIT OR SLEEVE (TYPICAL)	
MTC-16*			E-20 E-152	TRAIN CONTROL ROOM	SAFETY WALK-O.B. CROSSOVER, SOUTH						DP-3* THRU DP-14*					I.B. CONTACT RAIL AT STA 510+25.50						
MTC-17* THRU MTC-22*			E-142.42 E-152	TRAIN CONTROL ROOM	SOUTH R.A. PLENUM						DP-15* THRU DP-21*					I.B. CONTACT RAIL AT STA 511+14.50						
MTC-17a* THRU MTC-22a*			E-18 E-142	NORTH R.A. PLENUM	SAFETY WALK-O.B. NORTH						DP-22* THRU DP-28*					O.B. CONTACT RAIL STA 511+14.50						
MTC-23* THRU MTC-28*			E-142.42 E-152	TRAIN CONTROL ROOM	SOUTH R.A. PLENUM						DP-30* THRU DP-59*	E-252				MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL						
MTC-23a* THRU MTC-28a*			E-18 E-142	NORTH R.A. PLENUM	SAFETY WALK-I.B. NORTH						DP-30A THRU DP-59A	GSR	E-35			MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL				CONT'D OF DP-30* THRU DP-59*		
MTC-29* THRU MTC-30*		GSR	E-152	TRAIN CONTROL ROOM	COMM. ROOM						DP-30B THRU DP-59B	PVC	E-252			MEDICAL CENTER NORTH VENT SHAFT-STUB UP				CONT'D OF DP-30A THRU DP-34a		
MTC-31* THRU MTC-32*			E-142 E-152	TRAIN CONTROL ROOM	S. - R.A. PLENUM	TRAIN POSITION STOP					DP-34b					STUB UP AT O.B. CONTACT RAIL STA 451+59.50						
MTC-31a*	2"		E-45	S. - R.A. PLENUM	S. - PLATFORM UNDER EDGE - I.B.	SPARE					DP-35b* THRU DP-41b*	PVC				STUB UP AT I.B. CONTACT RAIL - STA 451+91.95					CONT'D OF DP-35a THRU DP-41a	
MTC-32a*			E-44	S. - R.A. PLENUM	MID-PLATFORM UNDER EDGE - I.B.						DP-42b* THRU DP-48b*					STUB UP AT O.B. CONTACT RAIL STA 452+71.5					CONT'D OF DP-42a THRU DP-48a	
MTC-33a*			E-43	S.-R.A. PLENUM	NORTH-PLATFORM UNDER EDGE - I.B.						DP-49b* THRU DP-55b*					STUB UP AT O.B. CONTACT RAIL STA 450+74.5					CONT'D OF DP-49 THRU DP-55	
MTC-34a*			E-45	S. R.A. PLENUM	S - PLATFORM UNDER EDGE - O.B.						DP-56b* THRU DP-59b*					STUB-UP AT I.B. CONTACT RAIL STA 450+74.5						
MTC-35a*			E-44	MID - R.A. PLENUM	MID-PLATFORM UNDER EDGE - O.B.																	
MTC-36a			E-43	N-R.A. PLENUM	M - PLATFORM UNDER EDGE O.B.																	
MTC-37* THRU MTC-38*	3"		E-41 E-46 E-152	TRAIN CONTROL ROOM	SOUTH AC SWBD RM	D.T.S.					DP-60* THRU DP-64*	3"	PVC	E-252								
MTC-39* THRU MTC-40*	2"		E-142 E-152	TRAIN CONTROL ROOM	S. R.A. PLENUM						DP-65* THRU DP-69*											
MTC-39a* THRU MTC-40a*			E-41 E-46 E-142	N - R.A. PLENUM	N. - A.C. SWBD RM.						DP-70* THRU DP-74*											
MTC-46* THRU MTC-46a*	6 1/2" X 1 1/2"	UPD	E-43	N- R.A. PLENUM	N-PLATF. UNDER EDGE-O.B. N-PLATF. UNDER EDGE-I.B.	IMPEDANCE BOND & BRIDGING RECEIVERS					DP-75* THRU DP-79*											
MTC-47* THRU MTC-47a*											DP-80* THRU DP-84*											
MTC-48* THRU MTC-48a*			E-44	MID-R.A. PLENUM	MID-PLATF. UNDER EDGE-O.B. MID-PLATF. UNDER EDGE-I.B.						DP-85* THRU DP-89*											
MTC-42*	4"	GSR	E-42 E-152	TRAIN CONTROL ROOM	OPERATION ROOM	TRAIN CONTROL					DP-90* THRU DP-91*											
MTC-43*	1"	GSR	E-46 E-47 E-48	N. A.C. SWBD RM	MEZZ - INTERFACE						DP-92* THRU DP-93											
MTC-43a	1"	GSR	E-47	MEZZ - INTERFACE	KIOSK						DP-94* THRU DP-96*	PVC										
MTC-44*	2"	PVC	E-252	CABLE PIT IN D.C. TIE BREAKER STATION	O.B. TRACK	FUT. REFERENCE VOLTAGE CABLE					DP-95* THRU DP-96a	GSR	E-35									
MTC-45*	2"	PVC	E-252	CABLE PIT IN D.C. TIE BREAKER STATION	I.B. TRACK	FUT. REFERENCE VOLTAGE CABLE					DP-94b* THRU DP-96b	PVC	E-252									
MTC-49* THRU MTC-49a*	6 1/2" X 1 1/2"	UPD	E-44	MID-R.A. PLENUM	MID-PLATF. UNDER EDGE-O.B. MID-PLATF. UNDER EDGE-I.B.	IMPEDANCE BOND & BRIDGING RECEIVERS																
MTC-50* THRU MTC-50a*			E-45	S-R.A. PLENUM	S-PLATF. UNDER EDGE-O.B. S-PLATF. UNDER EDGE-I.B.																	
MTC-51* THRU MTC-51a*																						
MTC-56a*	4"	GSR	E-42,152	TRAIN CONTROL ROOM	O.B. TRACK	SPARE																
MTC-57a*	4"	GSR	E-152	S. MECH. RM - MEZZ	I.B. TRACK																	
MTC-58*				TRAIN CONTROL ROOM	STUB-OUT ABOVE SAFETY WALK-I.B.	TRAIN CONTROL																
MTC-59*																						
MTC-60*					STUB-OUT ABOVE SAFETY WALK-O.B.																	
MTC-61*																						
MTC-62*			E-42	STUB-OUT IN SAFETY WALK-I.B.	EDGE OF SAFETY WALK-I.B.																	
MTC-63*																						
MTC-64*					STUB-UP AT OUTSIDE TUNNEL WALL-I.B.																	
MTC-65*					STUB-OUT IN SAFETY WALK-O.B.	EDGE OF SAFETY WALK-O.B.																
MTC-66*																						
MTC-67*					STUB-UP AT OUTSIDE TUNNEL WALL-O.B.																	

DESIGNED P.S. CHU DATE 7-10-78	REFERENCE DRAWINGS		REVISIONS	
DRAWN G. GRAYSON DATE 7-11-78	NUMBER	DESCRIPTION	DATE	BY
CHECKED H.B. ZACKRISON DATE 8-16-78				
APPROVED H.B. ZACKRISON DATE 8-16-78				

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHIER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Quincy Cross* DATE **2/10/81** APPROVED _____

ROCKVILLE ROUTE
MEDICAL CENTER STATION
TRAIN CONTROL AND TRACTION POWER
CONDUIT SCHEDULE

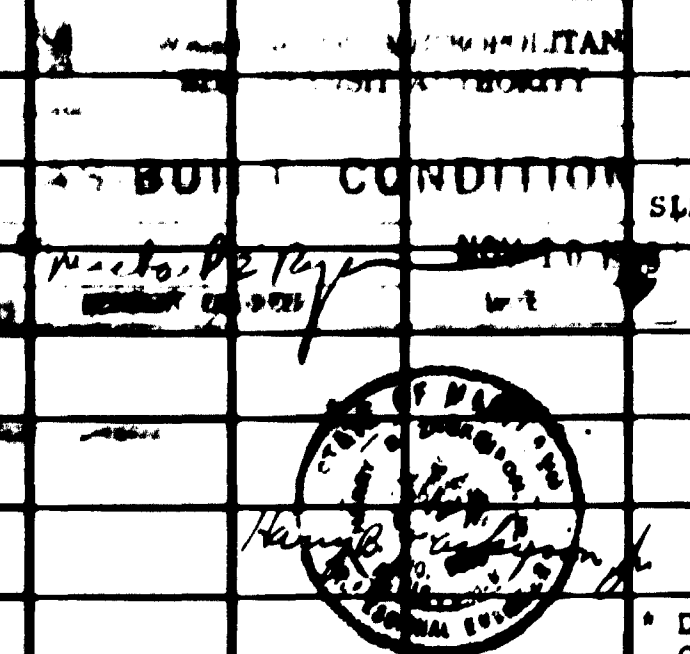
SCALE NONE DRAWING NO. FAI2-E-68 SHEET NO. M335-331



AS BUILT CONDITION CONTINUATION OF MTC-124* & MTC-125*

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM1*	4"	PVC	E-20, E-152	COMMUNICATION ROOM	I.B. SAFETY WALK CROSSOVER SOUTH	FUTURE COMMUNICATION				NOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)
MCOM4*		GSR	E-20, E-152		O.B. SAFETY WALK CROSSOVER SOUTH					
MCOM7*		PVC	E-142, E-152		SOUTH R.A. PLENUM					
MCOM7a*		GSR	E-18, E-142	N-R.A. PLENUM	I.B. SAFETY WALK NORTH					
MCOM10*		PVC	E-142, E-152	COMMUNICATION ROOM	S-R.A. PLENUM					
MCOM10a*		GSR	E-18, E-142	N-R.A. PLENUM	O.B. SAFETY WALK NORTH					
MCOM12*			E-39, E-49	COMMUNICATION ROOM	DOME SPACE	FUTURE INTERFACE CABLES				
MCOM13a*			E-18, E-39, E-49	MED. CENT. SOUTH VENT SHAFT	DOME SPACE					
MCOM13			E-18, E-39, E-49, E-142	COMMUNICATION ROOM	MEDICAL CENTER SOUTH VENT SHAFT-HIGH LEVEL					VIA MCOM13s* & MCOM13as* CONT'D BY MCOM128
MCOM14										VIA MCOM14s* & MCOM14as* CONT'D BY MCOM129
MCOM15										VIA MCOM15s* & MCOM15as* CONT'D BY MCOM130
MCOM16*			E-42, E-152		END OF SOUTH PLATFORM O.B. EMER. TRIP STA. #1	EMERGENCY TELEPHONE				
MCOM17*	1"		E-42, E-152		END OF SOUTH PLATFORM I.B. EMER. TRIP STA. #2					
MCOM18*			E-142, E-152		S-R.A. PLENUM					
MCOM19*			E-142, E-152		S-R.A. PLENUM					
MCOM18a*			E-42, E-142	N-R.A. PLENUM	END OF NORTH PLATFORM I.B. EMER. TRIP STA. #3					
MCOM19a*			E-42, E-142		END OF NORTH PLATFORM O.B. EMER. TRIP STA. #4					
MCOM20*	1-1/2"	GSR	E-152	COMMUNICATION ROOM	DOME SPACE	FUTURE CCTV #1				SLEEVE
MCOM20b	1-3/4"		E-45, E-142	DOME SPACE (ABOVE COMM. RM.)	DOME SPACE (ABOVE N-PLATFORM END MALL)					VIA MCOM20s*
MCOM20a*	1-1/2"		E-41, E-45	CCTV TERMINATION AT NORTH PLATFORM ENDWALL						
MCOM21*			E-152	COMMUNICATION ROOM	DOME SPACE	FUTURE CCTV #2				SLEEVE
MCOM21b	1-3/4"		E-45, E-142	DOME SPACE (ABOVE COMM. RM.)	DOME SPACE (ABOVE N-PLATFORM ENDWALL)					VIA MCOM21s*
MCOM21a*	1-1/2"		E-41, E-45	CCTV TERMINATION AT NORTH PLATFORM END MALL						
MCOM22*			E-152	COMMUNICATION ROOM	DOME SPACE	FUTURE CCTV #4				SLEEVE
MCOM22b	1-3/4"		E-45, E-142	DOME SPACE (ABOVE COMM. RM.)	DOME SPACE (AT COLUMN 19)					VIA MCOM22s*
MCOM22a*	1-1/2"		E-49	CCTV TERMINATION UNDER DOME						
MCOM23*			E-152	COMMUNICATION ROOM	S-R.A. PLENUM	FUTURE CCTV #3				CHECK ROUTING
MCOM23b	1"		E-44	WIRE TROUGH IN NORTH R.A. PLENUM	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MEZZ.					CONT'D OF MCOM23a*
MCOM24*	1-1/2"		E-152	COMMUNICATION ROOM	DOME SPACE	FUTURE CCTV #5				SLEEVE
MCOM24b	1-3/4"		E-45, E-142	DOME SPACE (ABOVE COMM. RM.)	DOME SPACE (AT COLUMN 16)					VIA MCOM24s*
MCOM24a*	1-1/2"		E-45	CCTV TERMINATION UNDER DOME						
MCOM25*			E-152	COMMUNICATION ROOM	DOME SPACE	FUTURE CCTV #6				SLEEVE
MCOM25b	1-3/4"		E-45, E-142	DOME SPACE (ABOVE COMM. RM.)	DOME SPACE (AT COLUMN 54)					VIA MCOM25s*
MCOM25a*	1-1/2"		E-45	CCTV TERMINATION UNDER DOME						
MCOM23c	1-3/4"		E-44	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MEZZ.	CCTV #3 UNDER-MEZZ.					CONT'D OF MCOM23b
MCOM28*	1-1/2"	GSR	E-41, E-152	COMMUNICATION ROOM	S-PLATFORM END MALL	FUTURE CCTV #7				
MCOM29*			E-41, E-152			FUTURE CCTV #8				

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM30a*	1-1/2"	GSR	E-152	COMMUNICATION ROOM	DOME SPACE	FUTURE CCTV #9 & #10				SLEEVE
MCOM30b	1-3/4"		E-142, 45		TO DOME SPACE (AT STA. 450+62.25)					VIA MCOM30a*
MCOM30a*	1-1/2"		E-142, 48	DOME SPACE (STA. 450+62.25)	STUB OUT IN HUNG CEILING OVER PASSAGEWAY					CONT'D OF MCOM30b
MCOM30c	1-3/4"		E-48	CCTV TERMINATION		FUTURE CCTV #9				CONT'D OF MCOM30a*
MCOM31s*	1-1/2"	GSR	E-152	COMMUNICATION ROOM	DOME SPACE (ABOVE COMM. RM.)	SPARE				SLEEVE
MCOM31a*			E-142, 48	DOME SPACE (ABOVE PASSAGEWAY)	DOME SPACE (ABOVE PLATFORM)	FUTURE CCTV #10				SLEEVE THRU COLLAR
MCOM31b	1-3/4"		E-48	J.B. IN PASSAGEWAY AT STA. 450-62.25	DOME SPACE (ABOVE PASSAGEWAY)					VIA MCOM31as*
MCOM31a*	1-1/2"			DOME SPACE (ABOVE PASSAGEWAY)	STUB OUT IN HUNG CEILING OVER PASSAGEWAY	SPARE				
MCOM32*	4"	PVC	E-142, E-152	COMMUNICATION ROOM	S-R.A. PLENUM	MISC. COMM. CABLES				FOR KIOSK
MCOM32a*		GSR	E-47	N-R.A. PLENUM	KIOSK					
MCOM36a*	1"		E-152	COMMUNICATION ROOM	DOME SPACE	P.A. SPEAKER SYSTEM OVER PLATFORM				SLEEVE
MCOM36			E-45, E-142		P.A. SPEAKER OUTLETS IN DOME - O.B.					VIA MCOM36s*
MCOM37a*			E-152	COMMUNICATION ROOM	DOME SPACE					
MCOM37			E-45, E-142		P.A. SPEAKER OUTLETS IN DOME - I.B.					VIA MCOM37s*
MCOM38a*			E-152	COMMUNICATION ROOM	DOME SPACE	P.A. SPEAKERS SYSTEM PASSAGEWAY				
MCOM38a*			E-48, E-142	DOME SPACE (AT STA 450+30)	STUBOUT IN HUNG CEILING ABOVE PASSAGEWAY					CONT'D OF MCOM38b
MCOM38b			E-45, E-142		COMMUNICATION ROOM					VIA MCOM38s*
MCOM38as			E-48	DOME SPACE (ABOVE PASSAGEWAY)	DOME SPACE (PASSAGEWAY ABOVE PLATFORM)					SLEEVE THRU COLLAR
MCOM38c			E-48	NEAREST P.A. SPEAKER OUTLETS-PASSAGEWAY OVER PLATFORM	P.A. SPEAKER OUTLETS-PASSAGEWAY					CONT'D OF MCOM38a* VIA MCOM38as*
MCOM39c*			E-142, E-152	COMMUNICATION ROOM	S-R.A. PLENUM	P.A. SPEAKER SYSTEM UNDER MEZZANINE				
MCOM39	3"		E-44	WIRE TROUGH IN NORTH R.A. PLENUM	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MEZZ.					CONT'D OF MCOM39c*
MCOM39a	1"		E-46	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MEZZ.	P.A. SPEAKER OUTLETS IN HUNG CEILING UNDER MEZZ.					CONT'D OF MCOM39
MCOM40*			E-17, E-142, E-152	COMMUNICATION ROOM	S-R.A. PLENUM	FIRE DETECTORS IN NORTH ANCIL. ROOMS.				
MCOM40ac			E-17, E-142	N-R.A. PLENUM	CART STORAGE RM.					
MCOM40b*			E-17	PLATFORM ELEV. MACH. RM.						SLEEVE
MCOM40cs				N-F.E. CABINET - PLATFORM						
MCOM40ds				N-PLATFORM MECH. RM.	PLATFORM ELEV. MECH. RM.					
MCOM40ec					CLEANER'S & EJECTOR RM.					
MCOM40fs				MAINTENANCE ROOM						SLEEVE
MCOM40js					N - BATTERY ROOM					
MCOM40hs				N-AC SHED RM.						
MCOM40ks					N - MECH. RM - MEZZ					
MCOM40ls					N - MECH. RM - MEZZ					
MCOM40ms					WOMEN'S WASH ROOM					
MCOM40ns				MEN'S & BUS DRIVER'S WASH ROOM						
MCOM40ps					N - MECH. RM - MEZZ.					
MCOM40rs				BELL SYSTEM ROOM						



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
1							
2							

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHews • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jerry J. Press* DATE 2/10/01 APPROVED _____

**ROCKVILLE ROUTE
MEDICAL CENTER STATION
COMMUNICATION CONDUIT SCHEDULE**

SCALE NONE DRAWING NO. FAI2-E-69 M335-332

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM41a	1"	GSR	E-17	COMMUNICATION ROOM	SOUTH MECH. ROOM - MEZZ	FIRE DETECTOR IN SOUTH ANCIL. ROOM			SLEEVE	
MCOM41aa					TRAIN CONTROL ROOM					
MCOM41bc				STAIR-PLATFORM LEVEL						
MCOM41ca					D.C. TIE BREAKER STATION				SLEEVE	
MCOM41da				OPERATION ROOM						
MCOM41ea					SOUTH AC SWBD RM.					
MCOM41fc				SOUTH BATTERY ROOM						
MCOM41gc					SOUTH F.E. CABINET	SPARE				
MCOM42*	1"	GSR	E-152 E-17 E-142	COMMUNICATION ROOM	SOUTH R.A. PLENUM	PABX TELEPHONE FOR NORTH ANCIL. ROOMS				
MCOM42a			E-142	NORTH R.A. PLENUM	CART STORAGE ROOM					
MCOM42aa			E-17	PLATFORM ELEVATOR MACH. RM.					SLEEVE	
MCOM42ea					NORTH MECH. RM - PLATFORM				SLEEVE	
MCOM42bc				EJECTOR & CLEANERS ROOM						
MCOM42ba					MAINTENANCE ROOM					
MCOM42ca				NORTH BATTERY ROOM					SLEEVE	
MCOM42fa					NORTH AC SWBD RM					
MCOM42dc				NORTH MECH. RM - MEZZ						
MCOM43a	1"	GSR	E-17	COMMUNICATION ROOM	SOUTH MECH. RM - MEZZ	PABX TELEPHONE FOR SOUTH ANCIL. RM.			SLEEVE	
MCOM43aa					TRAIN CONTROL ROOM					
MCOM43bc				D.C. TIE BREAKER RM.						
MCOM43ca					OPERATION ROOM				SLEEVE	
MCOM43da				SOUTH AC SWBD RM						
MCOM44*	1"	GSR	E-17 E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	INTRUSION DETECTOR FOR NORTH ANCIL. ROOMS				
MCOM44a			E-17	NORTH R.A. PLENUM	CART STORAGE ROOM					
MCOM44ca			E-17	N - F.E. CABINET-PLATFORM					SLEEVE	
MCOM44da				PLATFORM ELEV. MACH. RM.						
MCOM44ea					NORTH MECH. RM. - PLATFORM					
MCOM44fc				EJECTOR & CLEANER'S RM.						
MCOM44ga					MAINTENANCE ROOM				SLEEVE	
MCOM44ha				NORTH BATTERY ROOM						
MCOM44ka					NORTH AC SWBD RM.					
MCOM44lc				NORTH MECH. RM. - MEZZ						
MCOM44ms					WATER SERVICE ROOM				SLEEVE	
MCOM44na				WOMEN'S WASH ROOM						
MCOM44pa					MEN'S & BUS DRIVER'S WASH RM.					
MCOM44ra				NORTH F.E. CABINET - MEZZ						
MCOM44sa					BELL SYSTEM ROOM					

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM45*	1"	GSR	E-17	COMMUNICATION ROOM	SOUTH MECH RM - MEZZ	INTRUSION DETECTOR SOUTH ANCIL. ROOMS				SLEEVE
MCOM45aa					TRAIN CONTROL RM.					
MCOM45bc				SOUTH STAIR-PLATFORM						
MCOM45ca					D.C. TIE BREAKER STA					SLEEVE
MCOM45da				OPERATION ROOM						
MCOM45ea					SOUTH AC SWBD RM.					
MCOM45fa				SOUTH BATTERY RM.						
MCOM45gc					SOUTH F.E. CABINET-PLATFORM					
MCOM46*	2"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	FIRE DETECTION FOR PLATFORM ESCALATOR				
MCOM46a	3"		E-44	WIRE TROUGH IN NORTH R.A. PLENUM	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MEZZ.					CONT'D OF MCOM46*
MCOM46b	2"		E-47	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MEZZ.	UPPER PIT PLATFORM ESCALATORS					CONT'D OF MCOM46a
MCOM47b	1"		E-47			PABX TELEPHONE FOR PLATFORM ESCAL.				CONT'D OF MCOM47a
MCOM47*	1"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM					
MCOM47a	3"		E-44	WIRE TROUGH IN NORTH R.A. PLENUM	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MEZZ.					CONT'D OF MCOM47*
MCOM48	1"		E-47	KIOSK	PLATF. ESCALATOR UPPER PIT	CONTROL				
MCOM49*	2"		E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	FIRE DETECTION FOR FUT. PLATFORM ESCAL.				
MCOM50*	1"		E-142 E-152			PABX TEL. FOR FUTURE PLATFORM ESCAL.				
MCOM52*	2"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	FIRE DETECTION FOR ENTRANCE ESCALATORS				
MCOM52a*			E-39 E-142 E-152	NORTH R.A. PLENUM	LOWER PIT OF ENTRANCE ESCALATOR					CONT'D OF MCOM52*
MCOM52b*			E-50	UPPER PIT OF ENTRANCE ESCALATOR						
MCOM53*	1"		E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	PABX TELEPHONE FOR ENTRANCE ESCALATOR				
MCOM53a*			E-39 E-142 E-152	NORTH R.A. PLENUM	LOWER PIT OF ENTRANCE ESCALATOR					CONT'D OF MCOM53*
MCOM53b*			E-50	UPPER PIT OF ENTRANCE ESCALATOR						
MCOM54	2"		E-47	KIOSK	MEZZ. INTERFACE	CONTROL				
MCOM54a*			E-48 E-50	LOWER PIT OF ENTRANCE ESCALATOR						
MCOM54b*			E-50	UPPER PIT OF ENTRANCE ESCALATOR						
MCOM55*	1"		E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	VENTILATION CONTROL				
MCOM56*			E-142 E-152							
MCOM55a*			E-47 E-142 E-152	NORTH R.A. PLENUM	NORTH MECH. RM - PLATFORM					CONT'D OF MCOM55*
MCOM56a*										CONT'D OF MCOM56*
MCOM56ba			E-49	NORTH MECH. RM.-MEZZ.						SLEEVE

AS BUILT CONDITION

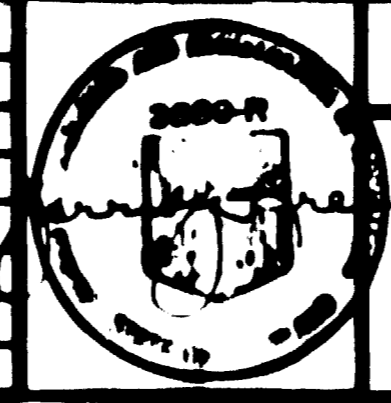
SEE CITY DIRECTORY

HARRY WEISE & ASSOCIATES

* DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)

DESIGNED P. S. CHU 7-20-70
 DRAWN S. S. GAYTON 7-22-70
 CHECKED H. B. ZACKRISON 6-16-80
 APPROVED H. B. ZACKRISON 6-16-80

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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 SECTION DESIGNER

DE LEUW, CATHEN & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEISE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE 2/10/81 APPROVED *[Signature]*

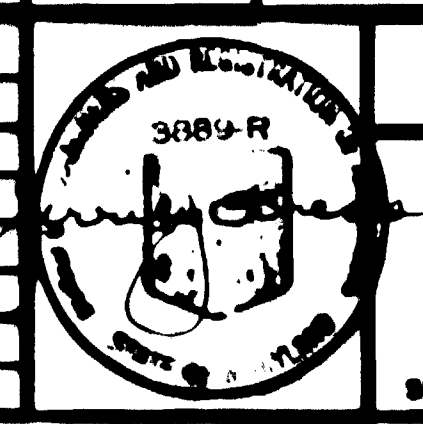
**ROCKVILLE ROUTE
 MEDICAL CENTER STATION
 COMMUNICATION CONDUIT SCHEDULE**

SCALE NONE DRAWING NO. FAI2-E-70 M335-333

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM59*	2"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	FUTURE FACILITIES				
MCOM59a*			E-42 E-142	NORTH R.A. PLENUM	PLATFORM ELEVATOR MACHINE ROOM					
MCOM59a*			E-42 E-142							
MCOM60*			E-42 E-142							
MCOM61*			E-42 E-142							
MCOM60ab*			E-43		PLATFORM ELEVATOR PIT					SLEEVE
MCOM61ab*			E-43							
MCOM62*	1"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	FIRE DETECTION				
MCOM63*			E-142 E-152			INTRUSION DETECTION				
MCOM64*			E-142 E-152			PBX TELEPHONE				
MCOM62a*			E-42 E-142	NORTH R.A. PLENUM	PLATFORM ELEVATOR MACHINE ROOM	FIRE DETECTION				
MCOM63a*			E-42 E-142			INTRUSION DETECTION				
MCOM64a*			E-42 E-142			PBX TELEPHONE				
MCOM65*			E-42 E-142			FIRE DETECTION				
MCOM66*			E-42 E-142			INTRUSION DETECTION				
MCOM65ab*			E-43		PLATFORM ELEVATOR PIT	FIRE DETECTION				SLEEVE
MCOM66ab*			E-43			INTRUSION DETECTION				
MCOM67*	2"		E-42 E-48	PLATFORM ELEVATOR MACHINE ROOM	MEZZ. INTERFACE	SPARE				
MCOM68*			E-42 E-48							
MCOM67a			E-47	KIOSK						
MCOM68a			E-47							
MCOM69*			E-42 E-142	PLATFORM ELEVATOR MACHINE ROOM	NORTH R.A. PLENUM					
MCOM70*			E-42 E-142							
MCOM69ab			E-43	PLATFORM ELEVATOR PIT						SLEEVE
MCOM70ab			E-43							
MCOM71*	2"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	FUTURE COMMUNICATION & CCTV				
MCOM72*			E-142 E-152							
MCOM71a*			E-34, E-38 E-142, E-152	NORTH R.A. PLENUM	J.B. IN ENTRANCE ELEVATOR MACH. RM.					
MCOM72a*			E-34, E-38 E-142, E-152							
MCOM73*			E-34 E-50	ENTRANCE ELEVATOR PIT						IN CONCRETE WALL OF ELEVATOR SHAFT
MCOM73a*			E-52	J.B. IN ENTRANCE ELEVATOR SHAFT	ENTRANCE ELEVATOR PIT	FOR FUTURE CCTV				
MCOM73b			E-52							CONT'D AND INTER-CONNECTION OF MCOM73a*

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM75*	1"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	SPARE				
MCOM76*			E-142 E-152							
MCOM77*			E-142 E-152							
MCOM80a*	2"	GSR	E-34 E-48 E-50	ENTRANCE ELEVATOR MACHINE ROOM	MEZZ. INTERFACE	SPARE				
MCOM81a*										
MCOM80b			E-47	KIOSK						
MCOM81b			E-47							
MCOM84*	2"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	FIRE DETECTION				
MCOM85*			E-142 E-152			INTRUSION DETECTION				
MCOM86*			E-142 E-152			PBX TELEPHONE				
MCOM84a*			E-38 E-142 E-152	NORTH R.A. PLENUM	MEDICAL CENTER TPSS	FIRE DETECTION				
MCOM85a*			E-38 E-142 E-152			INTRUSION DETECTION				
MCOM86a*			E-38 E-142 E-152			PBX TELEPHONE				
MCOM87a*	4"	GSR	E-34 E-47	BELL SYSTEM ROOM	MEDICAL CENTER TPSS	FUTURE TELEPHONE CABLE				
MCOM88a*										
MCOM87b*			E-34	STREET LEVEL						CONT'D OF MCOM87c
MCOM88b*										CONT'D OF MCOM88c
MCOM87c				STUB-OUT ON WALL MEDICAL CENTER TPSS	DUCT BANK IN MEDICAL CENTER TPSS					CONT'D OF MCOM87a*
MCOM88c										CONT'D OF MCOM88a*
MCOM89*			E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	TELEPHONE CABLE				
MCOM89a*			E-142 E-47	NORTH R.A. PLENUM	BELL SYSTEM ROOM					AS BUILT CONDITION
MCOM90a*	2"	GSR	H-49	NORTH MECH ROOM-MESS	PUBLIC TELEPHONE-FREE AREA	PUBLIC TELEPHONE				SLEEVE
MCOM90a			E-49	BELL SYSTEM ROOM						VIA MCOM90a*
MCOM91a			E-47	HUNG CEILING-MESS	PUBLIC TELEPHONE-PAID AREA					SLEEVE
MCOM91a			E-47	MEZZ-INTERFACE						VIA MCOM91a*
MCOM91*			E-48 E-49		BELL SYSTEM ROOM					*DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
P. S. CHU	7-10-79				
DRAWN	8-23-79				
CHECKED	8-14-80				
APPROVED	8-14-80				



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
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SECTION DESIGNER

DE LEUW, CATHEN & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEISS & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jessie Jones* DATE 2/10/81 APPROVED *[Signature]*

**ROCKVILLE ROUTE
MEDICAL CENTER STATION
COMMUNICATION CONDUIT SCHEDULE**

STATUS: NONE

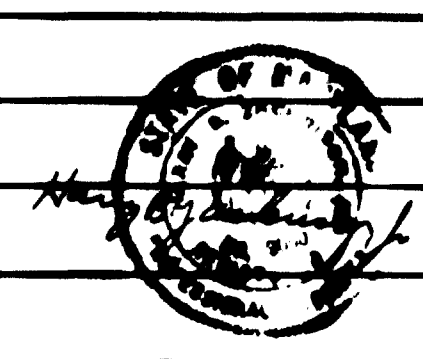
DATE: FAI2-E-71

NO. M335-334

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM93*	3"	GSR	E-43 E-142 E-152	NORTH MACHINE ROOM-MEZZ.	NORTH R.A. PLENUM	SPARE				
MCOM98	2"	GSR	E-47	KIOSK	MEZZ-INTERFACE	ELEVATOR CONTROL & INDICATION				
MCOM99			E-47							
MCOM98a*			E-42 E-48	PLATFORM ELEVATOR MACHINE ROOM						
MCOM99a*			E-42 E-48							
MCOM100a*			E-42 E-142		NORTH R.A. PLENUM					
MCOM101a*			E-42 E-142							
MCOM100L				PLATFORM ELEVATOR PIT					VIA MCOM100bs*	
MCOM101b									VIA MCOM101bs*	
MCOM100bs*			E-43						SLEEVE	
MCOM101bs*			E-43						SLEEVE	
MCOM102*	3/4"	GSR	E-42 E-142	PLATFORM ELEVATOR MACHINE ROOM	NORTH R.A. PLENUM	EMERGENCY COMMUNICATION CALL STATION				
MCOM102a*			E-142	SOUTH R.A. PLENUM	J.B. ON SOUTH END WALL-PLATFORM				CONDUIT DELETED BY PCO #33	
MCOM104*	2"	PVC	E-42	NORTH O.B. TUNNEL	NORTH SIDE WALL OVER O.B. TRACK	ANTENNA CABLE			IN NORTH END WALL	
MCOM105*				CENTER OF VAULT						
MCOM106*				NORTH I.B. TUNNEL	NORTH SIDE WALL OVER I.B. TRACK					
MCOM107*				SOUTH O.B. TUNNEL	SOUTH SIDE WALL OVER O.B. TRACK				IN SOUTH END WALL	
MCOM108*				SOUTH I.B. TUNNEL	SOUTH SIDE WALL OVER I.B. TRACK					
MCOM110	3"	PVC	E-123	POOKS HILL TPSS	EXISTING DUCT BANK #3	TRAIN CONTROL & COMMUNICATION			CONTINUATION OF Alla DUCT BANK #3 CONDUIT #3	
MCOM111									CONTINUATION OF Alla DUCT BANK #3 CONDUIT #1	
MCOM112									CONTINUATION OF Alla DUCT BANK #3 CONDUIT #4	
MCOM113									CONTINUATION OF Alla DUCT BANK #3 CONDUIT #2	
MCOM114	2"								CONTINUATION OF Alla DUCT BANK #3 CONDUIT #7	
MCOM115									CONTINUATION OF Alla DUCT BANK #3 CONDUIT #5	
MCOM116									CONTINUATION OF Alla DUCT BANK #3 CONDUIT #8	
MCOM117									CONTINUATION OF Alla DUCT BANK #3 CONDUIT #6	
MCOM120a		GSR	E-47	KIOSK	MEZZ INTERFACE	ELEVATOR CONTROL & INDICATION				
MCOM120			E-34 E-48	ENTRANCE ELEVATOR MACHINE ROOM						
MCOM121a			E-47	KIOSK						
MCOM121			E-34 E-48	ENTRANCE ELEVATOR MACHINE ROOM						

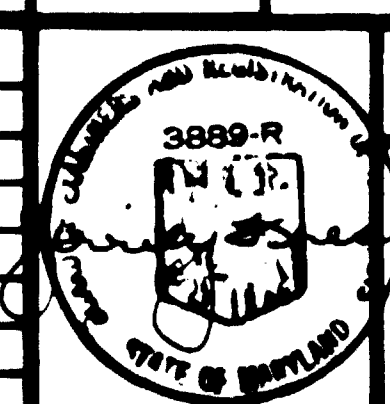
CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
MCOM126*	2"	GSR	E-142 E-152	COMMUNICATION ROOM	SOUTH R.A. PLENUM	D.T.S.				
MCOM127*			E-142 E-152							
MCOM126a			E-142 E-33	NORTH R.A. PLENUM	MEDICAL CENTER NORTH VENT SHAFT ADIT					
MCOM127a			E-142 E-33							
MCOM126c			E-33	MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL						
MCOM127c			E-33							
MCOM126b			E-34		MEDICAL CENTER TPSS					
MCOM127b			E-34							
MCOM128*	4"		E-38	MEDICAL CENTER SOUTH VENT SHAFT-HIGH LEVEL	STEET LEVEL	FUTURE INTERFACE CABLES				CONT'D OF MCOM13
MCOM129*			E-38							CONT'D OF MCOM14
MCOM130*			E-38							CONT'D OF MCOM15
MCOM126d	2"		E-34	MEDICAL CENTER T.P.S.S. EXIST. DUCTBANK TERMINATION	D.T.S. CABINET	D.T.S.				CONT'D OF MCOM126b*
MCOM127d										CONT'D OF MCOM127b*
ECOM1*	2"	GSR	E-142 E-152	COMMUNICATION ROOM	J.B. IN SOUTH R.A. PLENUM	EMERGENCY COMMUNICATIONS				SAME AS ALLC MCOM59*
ECOM1a	1"		E-142,43 44,45	J.B. IN SOUTH R.A. PLENUM	PYLONS AT APPROX. STA. 446 + 50 and 448 + 22					
ECOM2	2"				WIRE TROUGH IN COLUMN					
ECOM2a			E-44,47	WIRE TROUGH IN COLUMN	KIOSK					

AS-BUILT CONDITION



DESIGNED P. B. CHU 7-18-01
 DRAWN S. BRAYTON 8-22-01
 CHECKED H. B. ZACKERSON 8-16-01
 APPROVED H. B. ZACKERSON 8-16-01

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
		3-30-01	B.S.



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHY & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WISSE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jerry J. Fress* DATE 2/10/01 APPROVED *[Signature]*

**ROCKVILLE ROUTE
 MEDICAL CENTER STATION
 COMMUNICATION CONDUIT SCHEDULE**

SCALE NONE

REVISION NO. FAI2-E-72

PROJECT NO. M335-335

*DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M1* THRU M3*	5"	AC	E-39	STREET LEVEL	MEDICAL CENTER SOUTH VENT SHAFT HIGH LEVEL	PEPCO SERVICE	13KV			
M1a THRU M3a			E-39	MEDICAL CENTER SOUTH AC SWBD RM						CONT'D OF M1* THRU M3* IN DUCT BANK
M4 THRU M6			E-32	STREET LEVEL	MEDICAL CENTER NORTH AC SWBD RM					
M11	1"	GSR	E-42 E-49	NORTH MECH. RM.-MEZZ.	NORTH MECH. RM.-PLATFORM	ACU #1 MOTOR	480V	3 1	#4 #6 GND	MCC-MN-B1 VIA M243a*
M12	3"		E-42 E-49	NORTH AC SWBD RM	NORTH MECH. RM.-MEZZ.	FDR FOR MCC-MN		4 1	350 MCM #2 GND	NON-ESSENTIAL SWBD. VIA M259s
M13*			E-41 E-49 E-50		J.B. IN ENTRANCE ESCALATOR LOWER PIT	ENTRANCE ESCALATOR MOTOR FDR		4 1	#4/0 #2 GND	ESSENTIAL SWBD. PARALLEL FEEDER
M14*			E-41 E-49 E-50		J.B. IN ENTRANCE ESCALATOR LOWER PIT	DISC. SWITCH IN ENTRANCE ESCALATOR MACHINE ROOM				
M13a*			E-50	J.B. IN ENTRANCE ESCALATOR LOWER PIT	DISC. SWITCH IN ENTRANCE ESCALATOR MACHINE ROOM					
M14a*			E-50							
M16*	1 1/2"	GSR	E-41,49 E-50,46	NORTH AC SWBD RM.	J.B. IN ENTRANCE ESCALATOR LOWER PIT	ENTRANCE ESCALATOR AUXILIARY POWER	480V	4 1	#4 #8 GND	NP-19,21,23
M16a*			E-50	J.B. IN ENTRANCE ESCALATOR LOWER PIT	J.B. IN ENTRANCE ESCALATOR UPPER PIT				RUN IN M153a	
M17*	1"		E-49,41 E-46,50	NORTH AC SWBD. RM.	J.B. IN ENTRANCE ESCAL. LOWER PIT	EMERGENCY LIGHTING FOR ENT. ESCAL.	208V		#8 #10 GND	NEL-3
M17a*			E-50	J.B. IN ENTRANCE ESCAL. LOWER PIT	DISC. SWITCH IN ENT. ESCAL. MACH. RM.				RUN IN M154a	SPARE
M18*	2"		E-41,46 E-18	NORTH AC SWBD RM.	NORTH O.B. SAFETY WALK	EMERGENCY LIGHT FDR	480V		#8 #10 GND	FANEL-OB NEH-7,9,11
M19*	2"					NON-ESSENTIAL FDR	480V	3 1	#4 #8 GND	FANP-OB NPON-3
M20*	2"					ESSENTIAL LIGHT FEEDER		4 1	#6 #8 GND	FANL-OB NT-7,9,11
M21*	4"		E-18 E-41			SPARE				
M22*	3"					TUNNEL GROUND CONDUCTOR		1	#4/0	GROUND BUS IN N. AC SWBD. ROOM
M23*	3"					SPARE				
M24*	3"									
M25*	4"									
M27*	2"	GSR	E-18,46 E-41	NORTH AC SWBD RM.	NORTH I.B. SAFETY WALK	EMERGENCY LIGHT FDR	480V	4 1	#8 #10 GND.	FANEL-IB NEH-6,8,10
M28*						ESSENTIAL LIGHT FDR			#8 #10 GND	FANL-IB NT-8,10,12
M29*						NON-ESSENTIAL FDR		3 1	#4 #8 GND	FANP-IB NPON-4
M30*	3"					SPARE				
M31*	2"					TUNNEL GROUND CONDUCTOR		1	#4/0	GROUND BUS IN N. AC SWBD. ROOM
M32*	3"					SPARE				
M33*										
M34*										
M35*										
M36*										

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M39*	2"	GSR	E-20,41 E-46	SOUTH AC SWBD RM.	SOUTH O.B. SAFETY WALK	EMER. LTG. FDR	480V	4 1	#10 #10 GND	FANSEL-OB SEH-6,8,10
M40*						ESSENTIAL LTG. FDR		4 1	#8 #10 GND	FANL-OB ST-7,9,11
M41*						NON-ESSENTIAL FDR		3 1	#8 #10 GND	FANP-OB SPON-2,4,6
M42*	3"					WEST VIRGINIA FAN SHAFT FDR #2		3 1	#3/0 #2 GND.	FDWV-2 S-ESS. SWBD.
M43*						TUNNEL GROUND CONDUCTOR		1	#4/0	GROUND BUS IN S. AC SWBD. ROOM
M44*					D.C. TIE BREAKER STATION	EMERGENCY TRIP				
M45*					SOUTH AC SWBD RM.	SPARE				
M47*	3"	GSR	E-20,41 E-142	SOUTH AC SWBD RM.	SOUTH R.A. PLENUM	SPARE				
M47a*	3"		E-18 E-142	NORTH R.A. PLENUM	NORTH I.B. SAFETY WALK					
M48*	2"		E-20,41 E-46	SOUTH AC SWBD RM.	SOUTH I.B. SAFETY WALK	EMER. LTG. FDR		4 1	#10 #10 GND	FANSEL-IB SEH-7,9,11
M49*						ESSENTIAL LTG. FDR	480V	4 1	#8 #10 GND	FANL-IB ST-8,10,12
M50*						NON-ESSENTIAL FDR	480V	3 1	#8 #10 GND	FANP-IB SPON-1,3,5
M51*	3"					TUNNEL GROUND CONDUCTOR		1	#4/0	GROUND BUS IN S. AC SWBD. ROOM
M52*			E-20 E-42		D.C. TIE BREAKER STATION	EMERGENCY TRIP				
M53*			E-20,41 E-46		SOUTH R.A. PLENUM	SPARE				
M54c*	1 1/2"	GSR	E-41,46 E-47,48	NORTH AC SWBD RM.	MEZZ. INTERFACE	MOTOR FDR FOR PLATF ESCAL. #1 & #2	480V	4 1	#8 #10 GND	NPON-1
M54d			E-47	MEZZ. INTERFACE	PLATFORM ESCALATOR UPPER PIT					
M55c*	1"		E-41,46 E-47,48	NORTH AC SWBD RM.	MEZZ. INTERFACE	SPARE				FOR FUTURE PLATFORM ESCALATOR MOTOR
M56c*			E-41,46 E-47,48							
M56d			E-47	MEZZ. INTERFACE	PLATFORM ESCALATOR UPPER PIT					
M57c*			E-41,46 E-47,48	NORTH AC SWBD RM.	MEZZ. INTERFACE	PLATFORM ESCALATOR AUXILIARY SUPPLY	208V	4 1	#12 #12 GND	NPON-11,13,15
M57d			E-47	MEZZ. INTERFACE	PLATFORM ESCALATOR UPPER PIT					
M58c*	1 1/2"		E-41,46 E-47,48	NORTH AC SWBD RM.	MEZZ. INTERFACE	FUT. MOTOR FDR FOR FUT. PLATFORM ESCAL.				
M59c*	1"		E-41,46 E-47,48			FUT. AUX. SUPPLY FOR FUT. PLATF. ESCAL.				

DESIGNED P.S. CHU 7-18-79
 DRAWN S. ORYTON 7-22-79
 CHECKED H.B. ZACKRISON 8-1-79
 APPROVED H.B. ZACKRISON 8-1-79

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
		8-29-83	MTN

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER
 SUBMITTED *Janice Jones* DATE 2/10/81

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT
 HARRY WEBER & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT
 APPROVED *Paul J. ...*

ROCKVILLE ROUTE
 MEDICAL CENTER STATION
 A.C. POWER CONDUIT AND WIRING SCHEDULE
 SCALE NONE
 DRAWING NO. FAI2-E-73
 M335-336

M
 AS BUILT CONDITION

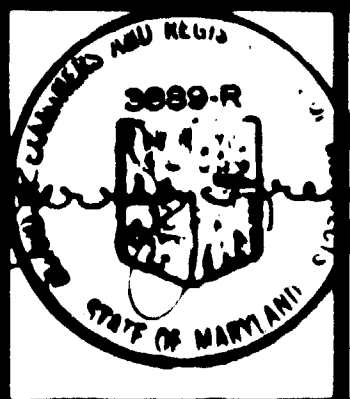
* DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)
 • EXTEND CONDUIT STUBOUT AS REQ. TO CONN. TO FNL OR SWBD

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M60*	4"	GSR	E-41 E-142	NORTH AC SWBD ROOM	J.B. IN NORTH R.A. PLENUM	SUBSTATION TIE	480V	4 1	500MCM #2 GND	NORTH AC SWBD
M61*										
M62*										
M63*										
M64*										
M65*										
M60a*				J.B. IN SOUTH R.A. PLENUM	SOUTH AC SWBD ROOM					SOUTH AC SWBD [6]
M61a*										
M62a*										
M63a*										
M64a*										
M65a*										
M66*	3/4"	GSR	E-41	NORTH MECHANICAL ROOM-PLATFORM	CLEANERS' & EJECTOR ROOM	EMERGENCY LIGHT	277V	2	#12	
M67*						RECEPTACLES	208V	4 1	#12 #12 GND	
M67a*					PLATFORM ELEVATOR MACHINE ROOM					SLEEVE
M67b*					CART STORAGE ROOM					
M68*				NORTH MECHANICAL ROOM-PLATFORM	CLEANERS & EJECTOR ROOM	ESSENTIAL LIGHTS	277V	2	#12	
M69*				PLATFORM ELEVATOR MACHINE ROOM	MAINTENANCE ROOM					
M70*	1"	GSR	E-42 E-46	J.B. IN SOUTH AC SWBD ROOM	BLUE LIGHT ON EMER. TRIP STA. NO. 1	BLUE LIGHT	120V	2	#12	SEL/1
M70a*			E-42	BLUE LIGHT ON EMER. TRIP STA. NO. 2						
M70b*			E-42	J.B. IN SOUTH AC SWBD ROOM	J.B. AT 443 + 33.33 - O.B.	EMERGENCY LIGHTING IN SOUTH VENT SHAFT				SEL/3
M70c*			E-42	J.B. AT 443 + 33.33 - I.B.		SPARE				
M70d*			E-38 E-42	MEDICAL CENTER SOUTH VENT SHAFT ADIT		EMERGENCY LTG. IN SOUTH VENT SHAFT				SEL/3
M70e*			E-38	MEDICAL CENTER SOUTH VENT SHAFT						CONT'D OF M70d*
M71*	1"	GSR	E-42	J.B. IN NORTH AC SWBD ROOM	BLUE LIGHT ON EMER. TRIP STA. NO. 4	BLUE LIGHT	120V	2	#12	
M71a*				BLUE LIGHT ON EMER. TRIP STA. NO.3						
M71b*				J.B. IN NORTH AC SWBD ROOM	J.B. FOR N-PLATFORM EXIT SIGN O.B.	EXIT SIGN				
M71c*				J.B. FOR N-PLATFORM EXIT SIGN-O.B.						
M71d*			E-33 E-42	MEDICAL CENTER NORTH VENT SHAFT ADIT		EMER. LTG. IN N-FAN SHAFT				
M72*	1"	PVC	E-41 E-45 E-46	SOUTH AC SWBD ROOM	J.B. UNDER SAFETY WALK IN STATION O.B. SIDE	ESSENTIAL LIGHTING - SPARE	400V	4 2	##- ##-GND	ST-3,4,6 CONDUCTOR DELETED [1]
M73*	3/4"					EMERGENCY LIGHTING	277V	2	#10	SEH-3
M74*				J.B. IN SOUTH R.A. PLENUM		RECEPTACLES & LIGHTS IN S-R.A. PLENUM	208V	4 1	#10 #12 GND	SPP-4 SPPL-1
M75*			E-41 E-45	J.B. UNDER-PLATFORM EDGE O.B. SIDE		PLATFORM EDGE LIGHTS	208V	4 1	#10 [2] #10 GND.	SPPL-9,11,13
M975*				J.B. UNDER-PLATFORM EDGE I.B. SIDE		SPARE				

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M76*	3/4"	GSR	E-41 E-45	SOUTH A.C. SWBD RM.	J.B. IN SOUTH DOME SPACE	RECEPTACLES & LIGHTS IN SOUTH DOME SPACE	208V	4 1	#10 [6]	SPP-1 SPPL-3
M77*	3/4"	GSR	E-41 E-45 E-46	SOUTH A.C. SWBD RM.	J.B. IN SOUTH R.A. PLENUM	PYLON LIGHT SOUTH PLATFORM	480V	4 1	#10 #12 GND	SP-1,3,5
M78*	1"				J.B. UNDER SAFETY WALK IN STATION I.B. SIDE	EMERGENCY LIGHTS	277V	2	#10	SEH-1
M79*	3/4"					ESSENTIAL LIGHTS - SPARE	400V	4 2	##- ##-GND	ST-3,4,6 CONDUCTOR DELETED [1]
M80*	3/4"			J.B. IN SOUTH R.A. PLENUM		EMER. PYLON LIGHT	277V	2	#10	SEH-5
M81*	1"	GSR	E-41 E-43 E-46	NORTH A.C. SWBD RM.	J.B. UNDER SAFETY WALK IN STATION O.B. SIDE	EMERGENCY LIGHTS	277V	2 1	#10 #2/0 GND	NEH-3
M82*	3/4"			J.B. IN NORTH R.A. PLENUM		RECEPTACLES AND LIGHTS IN NORTH R.A. PLENUM	208V	5 1	#10 (2) #6	NPP-2,4 NPPL-1
M83*						PYLON LIGHTS-PLATFORM	480V	4 1	#10 #12 GND	NP-1,3,5
M84*			E-41,43 E-46,48 E-142	J.B. IN NORTH DOME SPACE		RECEPTACLES AND LIGHTS IN NORTH DOME SPACE	208V	4		NPP-1 NPPL-3
M85*	1"		E-41 E-43	J.B. UNDER N-PLATFORM EDGE I.B. SIDE		PLATFORM EDGE LIGHTS	208V	4 1	#10 [2] #10 GND.	NPPL-9,11,13
M985*			E-41 E-43	J.B. UNDER N-PLATFORM EDGE O.B. SIDE		SPARE				
M86*	1"		E-41 E-43 E-46	J.B. UNDER SAFETY WALK IN STATION I.B. SIDE		EMERGENCY LIGHTS	277V	2 1	#10 #2/0 GND	NEH-1
M87*			E-41 E-43 E-46			ESSENTIAL LIGHTS - SPARE	400V	4 2	##- ##-GND	ST-3,4,6 CONDUCTOR DELETED [1]
M88*			E-41 E-43 E-46	J.B. UNDER SAFETY WALK IN STATION O.B. SIDE			400V	4 2	##- ##-GND	ST-2,4,6 CONDUCTOR DELETED [1]
M90*	1 1/2"	GSR	E-41 E-142	NORTH A.C. SWBD RM.	NORTH R.A. PLENUM	SUMP PUMPS NOS 1, 2, 3 [5]				
M91*			E-41 E-142	SOUTH A.C. SWBD RM.	SOUTH R.A. PLENUM	SPARE				
M92	1"		E-47	U.F.D. SYSTEM J.B. ON MEZZANINE	STUB-UP UNDER N.I.C. BUS TRANSFER VENDOR	BUS TRANSFER VENDOR	208V	3	#12	F-33,35
M92a				STUB-UP UNDER FIRST N.I.C. BUS TRANSFER VENDOR	STUB-UP UNDER SECOND N.I.C. BUS TRANSFER VENDOR		120V	2	#12	F-35
M94a	3"		E-123	POOKS HILL T.P.S.S.	TRANSFORMER YARD	TRANSFORMER CONTROL & INDICATION				SLEEVE
M95a										
M96a										
M97a										
M98	1"		E-47	U.F.D. SYSTEM J.B. ON MEZZANINE	STUB-UP FOR FUTURE N.I.C. BUS TRANSFER VENDOR	FUTURE BUS TRANSFER VENDOR				
M101a*	3"	GSR	E-34	CHILLER PLANT	EXTERIOR GROUND	FEEDER FOR COOLING TOWER				SLEEVE
M101a [3]	1 1/2"		E-34 E-52	CHILLER PLANT	FUTURE COOLING TOWER		480V	4 1	#4 #8 GND	VIA M101s* M CC-CH-A2
M102a*	3"		E-34	CHILLER PLANT	EXTERIOR GROUND	OUTSIDE LIGHTING				
M102a	1"		E-34,52			SITE LIGHTING	480V	4 1	#10 #10 GND	VIA M102s* OLH-2,4,6
M102b						BUS SHELTER LIGHTING	208V	4 1	#10 #10 GND.	VIA M102s* OL-1,3,5
M101b						FUTURE COOLING TOWER CONTROL PANEL				COOLING TOWER CONTROL WIRING (N.I.C.) VIA M101s*
M120a*	3/4"		E-41	D.C. TIE BREAKER ROOM	STAIR	EMERGENCY LIGHTS				SLEEVE
M120ba*			E-38 E-41	SAFETY WALK O.B.						AS BUILT CONDITION
M120ca*			E-41	SOUTH BATTERY ROOM	SAFETY WALK - I.B.					
M120da*			E-41	SOUTH A.C. SWBD RM.						

DESIGNED P.B. GILL 7-18-79
 DRAWN S. GRAYTON 7-23-79
 CHECKED H.B. ZACKERSON 8-1-79
 APPROVED H.B. ZACKERSON 8-1-79

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
1	REVISED PER PCO - 25, AS BUILT	8-29-83	MTN
2	REVISED PER PCO - 46, AS BUILT		
3	REVISED PER PCO - 49, AS BUILT		
4	REVISED PER PCO - 67, AS BUILT		
5	REVISED PER PCO - 68, AS BUILT		
6	REVISED PER PCO - 75, AS BUILT		



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 GENERAL ARCHITECTURAL CONSULTANT

**ROCKVILLE ROUTE
 MEDICAL CENTER STATION
 A.C. POWER CONDUIT AND WIRING SCHEDULE**
 SCALE: NONE
 DRAWING NO. FAI2-E-74
 M335-337

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M121as*	3/4"	GSR	E-41	D.C. TIE BREAKER STATION	SAFETY WALK - O.B.	ESSENTIAL LIGHTS	277V	2	#12	SLEEVE
M121bs*					SAFETY WALK - I.B.					
M121cs*				SOUTH A.C. SWBD RM.	SAFETY WALK - O.B.					
M121ds*					SAFETY WALK - I.B.					
M122as*	3/4"	GSR	E-41	PLATFORM ELEV. MACH. RM.	CART STORAGE ROOM	EMERGENCY LIGHTS	277V	2	#12	SLEEVE
M122bs*			E-41	NORTH MECH. RM. PLATFORM	SAFETY WALK - O.B.					
M122cs*			E-41		SAFETY WALK - I.B.					
M122ds*			E-41 E-33	NORTH A.C. SWBD RM.						
M122es*			E-41	NORTH MECH. RM. PLATFORM	PLATFORM ELEV. MACH. RM.					
M123as*	3/4"	GSR	E-41	PLATFORM ELEV. MACH. RM.	SAFETY WALK - O.B.	ESSENTIAL LIGHTS	277V	2	#12	SLEEVE
M123bs*					SAFETY WALK - I.B.					
M123cs*					CART STORAGE ROOM					
M123ds*				MAINTENANCE RM.	SAFETY WALK - O.B.					
M123es*					SAFETY WALK - I.B.					
M123fs*				NORTH A.C. SWBD RM.	SAFETY WALK - O.B.					
M123gs*			E-41 E-46		SAFETY WALK - I.B.					
M123hs*			E-41	NORTH MECH. RM. PLATFORM	PLATFORM ELEV. MACH. RM.					
M125a*	1 1/2"	GSR	E-41,43 E-142	NORTH A.C. SWBD RM.	NORTH R.A. PLENUM	PEPCO METER TIE CABLE				CONDUIT ONLY WIRING BY PEPCO
M125*				SOUTH A.C. SWBD RM.	SOUTH R.A. PLENUM					
M125c	1 1/2"	GSR	E-42 E-142	HV SWGR IN SOUTH AC SWBD RM.	PEPCO METER PANEL	PEPCO METERING				
M126a*	2"		E-41,43 E-142	NORTH A.C. SWBD RM.	NORTH R.A. PLENUM	SWITCHGEAR INTERLOCK				
M126*				SOUTH R.A. PLENUM	SOUTH A.C. SWBD RM.					
M127	3/4"	GSR	E-42 E-142	PANEL "SPPL"	PEPCO METER PANEL	PEPCO METERING	120V	2	#12	SPPL/6
M130	5"	A-C	E-123	POOKS HILL T.P.S.S.	STREET LEVEL	FUTURE PEPCO SERVICE	13KV			
M131										
M132										
M133										
M134										
M135										
M136s	6"	GSR			TRANSFORMER YARD	FUTURE FDR FOR RECTIFIER TRANSFORMER				SLEEVE
M137s										
M138s										
M139s										

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M140	3/4"	GSR	E-22 E-123	POOKS HILL T.P.S.S.	TRANSFORMER YARD	ESSENTIAL LIGHTS	120V	2	#12	SLEEVE 12' - 0" AFF
M141	2 1/2"					RECEPTACLES				24" AFF
M142	2 1/2"									
M143	3/4"					EMERGENCY LIGHTS	277V			14'-6" AFF
M144	1"			EXTERIOR OF POOKS HILL T.P.S.S.						8'-0" A.P.F.
M145s*	3/4"	GSR	E-47 E-48	NORTH MECH. RM. - MEZZ	PASSAGEWAY	MAP CASE AND TELEPHONE BOOTH LIGHTS				SLEEVE SEE M245
M146s*			E-46 E-47	HUNG CEILING UNDER MEZZ.	MAP CASE ON MEZZ					
M150*	3"	GSR	E-18,41 E-46	NORTH AC SWBD RM.	SAFETY WALK - O.B.	SPARE				
M151*	2"				SAFETY WALK - I.B.					
M153*	3"	GSR	E-41,46 E-49	NORTH AC SWBD RM.	J.B. IN ENTRANCE ESCALATOR LOWER PIT	SPARE				
M153a*			E-50 E-52	J.B. IN ENTRANCE ESCALATOR MACH. RM.				#8 #10 GND		FROM M166
M153s*			E-50 E-52		STREET LEVEL					SLEEVE
M154*	3"	GSR	E-41,46 E-49,50	NORTH AC SWBD RM.	J.B. IN ENTRANCE ESCALATOR LOWER PIT	BUS GATES	120V	3	#10	NPPL - 19, 21
M154a*			E-50	J.B. IN ENTRANCE ESCALATOR MACH. RM.				#8 #10 GND		FROM M176
M154s*			E-50		STREET LEVEL					SLEEVE
M154b	1"		E-52							VIA M154s*
M158*	1 1/4"	GSR	E-41 E-142	NORTH AC SWBD RM.	NORTH R.A. PLENUM	TRAIN CONTROL RM. FDR #2	480V	3 1	#4 #8 GND	ESS. SWBD.
M158a*	1 1/4"	GSR	E-49 E-142	J.B. IN SOUTH R.A. PLENUM	STUB-UP SOUTH MECH. RM.-MEZZ.					CONT'D OF M158B
M158c			E-49	STUB UP SOUTH MECH. RM.- MEZZ.	T.C. RM. - TRANSFORMER		208V	4 1	#2 #6 GND	CONT'D OF M158a*
M159*	1 1/2"		E-47,48 E-49	NORTH MECH. RM.-MEZZ.	MEZZ - INTERFACE	FUTURE KIOSK PANEL FEEDER				F-1
M159a			E-47	MEZZ-INTERFACE	KIOSK					CONT'D OF M159*
M169	3"	PVC	E-123	POOKS HILL T.P.S.S.	GROUP 2 MANHOLE #5	EMERGENCY LIGHTS - I.B.	480V	4/C	#10 & GND	NEW DUCTBANK #5
M170						SPARE				
M171										
M172										
M168	2"					FUTURE EMERG. TRIP.				
M173										
M174										
M175										

DESIGNED P. S. CHU		7-19-79 DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
1	REVISED PER PCO-98 REV.1, AS BUILT	8-31-83	HTN				

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

ROCKVILLE ROUTE
MEDICAL CENTER STATION
A.C. POWER CONDUIT AND WIRING SCHEDULE

SCALE: NONE
DRAWING NO. FAI2-E-75
M335-338

SUBMITTED *[Signature]* DATE 2/18/81 APPROVED *[Signature]*

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS BUILT CONDITION
RESIDENT ENGINEER
DATE
[Signature]
HARRY WEESE & ASSOCIATES
DATE
[Signature]

• DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)
• EXTEND CONDUIT STUBOUT AS REQ. TO CONN. TO PNL OR SWBD

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M164			E-123	POOKS HILL T.P.S.D.	GROUP 2 MANHOLE #4	FDR #1 - POOKS HILL PUMP ESSENTIAL FEEDER - I.B.	480V	3/C	#8 W/GND #8 W/GND	FDPH-1 MDPB-4 FPL-I.B. PH-4
M160						FDR #1 LOCUST HILL PUMPING STATION		3/C	#250 MCM W/GND	FDFP-1 MDPB-1
M161						FDR #1 LOCUST HILL FAN SHAFT		3/C	#270 W/GND	FDFP-1 MDPB-2
M162						ESS AND NON-ESS FDR FOR O.B. TUNNEL		4/C 3/C	#8 W/GND #8 W/GND	FPL-OB PH-5 FPP-OB PH-7
M163						FDR #2 LOCUST HILL PUMPING STATION		3/C	#270 W/GND	FDFP-2 MDPB-2
M165			E-123			EMERG. LIGHT FDR - O.B. TUNNEL		4/C	#8 W/GND. #8 W/GND.	FPEL-IB EL-1,3,5 FPEL-OB EL-2,4,6
M166						FDR FOR LOCUST HILL D.C. TIE BREAKER STA.		3/C	#6 W/GND	FDLT PH-9
M167						FDR #2 - POOKS HILL PUMP. NON-ESS. FDR - I.B.		3/C 3/C	#8 W/GND #8 W/GND	FDPH-2 MDPB-4 FPP-IB PH-6
M170*			E-42, E-142	SOUTH R.A. PLENUM	EMER. TRIP STA. #1					
M180a*				NORTH R.A. PLENUM	EMER. TRIP STA. #3					
M181a*					EMER. TRIP STA. #4					
M182*			E-42	EMER. TRIP STA. #1	EMER. TRIP STA. #2					
M183*				EMER. TRIP STA. #3	EMER. TRIP STA. #4					
M184*			E-33 E-42	EMER. TRIP STA. #3	NORTH VENT SHAFT ADIT					
M185*				EMER. TRIP STA. #4						
M184b			E-33	MEDICAL CENTER NORTH VENT SHAFT ADIT	MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL					CONT'D. OF M184*
M185b										CONT'D. OF M185*
M184a*			E-34	MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL	MEDICAL CENTER TPSS					CONT'D. OF M184b
M185a*										CONT'D. OF M185b
M186*				MEDICAL CENTER TPSS	MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL					
M187*										
M186a			E-33	MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL	MEDICAL CENTER NORTH VENT SHAFT ADIT					CONT'D. OF M186
M187a										CONT'D. OF M187
M188a*	2"	GSR	E-42	MEDICAL CENTER D.C. TIE BREAKER STATION	MEDICAL CENTER SOUTH VENT SHAFT ADIT	FDR FOR A/C CONDENSING UNIT				SLEEVE
M188a			E-42 E-49	SOUTH MECH. RM.-MEZZ.	DISC. SWITCH FOR A/C CONDENSING UNIT		480V	3 1	#8 #10 GND	VIA M185S* AND M223S* MCC-MS-B4
M189a*			E-42	MEDICAL CENTER D.C. TIE BREAKER STATION	MEDICAL CENTER SOUTH VENT SHAFT ADIT	A/C CONTROL				SLEEVE
M190a*	1"		E-42	CLEANER'S & EJECTOR ROOM	PLATFORM ELEV. MACH. RM.	EMERGENCY LIGHT	120V	2	#12	
M190			E-42	NORTH AC SWBD RM.	DISC. SWITCH IN PLATF. ELEV. MACH. RM.					CONT'D OF M190a* NEL-9
M191a*			E-42	CLEANER'S & EJECTOR RM.	PLATF. ELEV. MACH. RM.	LIGHTS AND RECEPTACLES	208V	4	#12 #12 GND	
M191			E-42	NORTH AC SWBD RM.	DISC. SWITCH IN PLATF. ELEV. MACH. RM.					CONT'D OF M191a* NPPL-6,8,10
M192a*			E-42	CLEANER'S & EJECTOR RM.	PLATF. ELEV. MACH. RM.	PLATF. ELEV. MOTOR FDR	480V	3	#6 #8 GND	
M192			E-42 E-49		NORTH MACH. RM.-MEZZ					VIA M251a* HM - 1

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M193*	1"	GSR	E-42 E-142	DISC. SWITCH IN PLATF. ELEV. MACH. RM.	NORTH R.A. PLENUM	LIGHTS AND RECEPTACLES	208V	4	#12 #12 GND	SE M191
M193a*			E-42	NORTH R.A. PLENUM	PLATF. ELEV. PIT					SLEEVE
M193a			E-43	J.B. IN NORTH R.A. PLENUM	PLATF. ELEV. PIT					VIA M193a* CONT'D OF M193*
M194*	1"	GSR	E34,49, 50	NORTH MECH. RM.-MEZZ.	DISC. SWITCH IN ENT. ELEV. MACH. RM.	ELEV. MOTOR FDR	480V	3	#10 #10GND	HM-2
M195*			E34,41 46,49,50	NORTH A C SWBD RM.		LIGHTS AND RECEPTACLES	208V	4	#12 #12GND	NPPL-14, 16, 18
M196*			E34,41, 46,49,50			EMER. LIGHTS	120V	2	#8	NEL-7
M197a			E48	NORTH A C SWBD RM.	NORTH MECH. ROOM - MEZZ.	EMER. PYLON LIGHTS-MEZZ.	277V	2	#12	VIA M256S* NEH-2
M197*			E41,46, 47,48,49	NORTH MECH. RM.-MEZZ.	MEZZ. INTERFACE	EMER. PYLON LIGHTS-MEZZ.				CONT'D OF M197a
M197b			E46	MEZZ. INTERFACE	PYLON LIGHTS ON MEZZ.	EMER. PYLON LIGHTS-MEZZ.				
M198a			E41,46, 48	NORTH A C SWBD RM.	NORTH MACH. RM.-MEZZ.	ESSENTIAL PYLON LIGHTS-MEZZ.	480V	4	#12 #12 GND	VIA M258S* NT - 13,15,17
M198*			E-46,47 E-48,49	NORTH MECH. RM.-MEZZ.	MEZZ. INTERFACE					CONT'D OF M198a
M198b			E-46	MEZZ. INTERFACE	ESSENTIAL PYLON LIGHTS MEZZ.					CONT'D OF M198*
M199*			E-47 E-48,49	NORTH MECH. RM.-MEZZ.	MEZZ. INTERFACE	FUTURE KIOSK GROUNDING CONDUCTOR				
M199a			E-49		NORTH AC SWBD. ROOM					CONT'D OF M199*
M200a	1 1/2"		E-42 E-49	NORTH AC SWBD RM.	NORTH MECH. RM.-MEZZ.	EMER. LOAD - KIOSK	208V	4	#10 #10 GND	VIA M257a* NEL - 4,6
M200*			E-47 E-48,49	NORTH MECH. RM.-MEZZ.	MEZZ. INTERFACE					CONT'D OF M200a
M200b			E-47	MEZZ. INTERFACE	KIOSK					CONT'D OF M200*
M201*	3/4"		E-47 E-48,49	NORTH MECH. RM.-MEZZ.	MEZZ. INTERFAC	RECEPTACLE-MEZZ.	120V	2	#12	CONNECTED TO RECEPTACLE IN NORTH MECH. RM.
M201a			E-47	MEZZ. INTERFACE	KIOSK					
M199b	1"					FUTURE KIOSK GROUNDING CONDUCTOR				CONT'D OF M199*
M202*	1"	GSR	E-34 E-50	ENTRANCE ELEV. MACH. RM.	ENTRANCE ELEV. PIT	LIGHTS & RECEPTACLE	208V	4	#12 #12 GND.	CONT'D. OF M195*
M202a*			E-52	ENTRANCE ELEV. PIT	ENTRANCE ELEV. SHAFT					
M202b			E-52							CONT'D AND INTER-CONNECTION OF M202a*
M204*	1"	GSR	E-41,46 E-49,50	NORTH AC. SWBD RM.	ENTRANCE ESCALATOR LOWER PIT	SPARE				AS BUILT CONDITION
M204a*			E-50	ENTRANCE ESCALATOR MACH. RM.						
M205*	3/4"		E-48 E-49	NORTH MECH. RM.-MEZZ.	PASSAGEWAY	RECEPTACLE IN PASSAGEWAY	120V	2	#12	CONNECTED TO RECEPTACLE IN NORTH MECH. RM.
M206a*	2"		E-42	NORTH AC SWBD RM.	SAFETY WALK-I.B.	ESSENTIAL FDR FOR MEDICAL CENTER TPSS				SLEEVE
M206*			E-33 E-46		MEDICAL CENTER NORTH VENT SHAFT HIGH LEVEL		480V	4	#8 #10	VIA M206a* NP20
M206a*			E-34	MEDICAL CENTER NORTH VENT SHAFT HIGH LEVEL	MEDICAL CENTER TPSS					
M206b			E-34	MEDICAL CENTER TPSS	PANEL "TPE"					
M207a*			E-42	NORTH AC SWBD RM.	SAFETY WALK-I.B.	SEWAGE EJECT. DISCHARGE HEATING CABLE				SLEEVE
M207			E-33		J.B. IN NORTH VENT SHAFT TRACK LEVEL		120V	2	#10	VIA M207a* NPPL-15
M207a*			E-34	MEDICAL CENTER NORTH VENT SHAFT-HIGH	MEDICAL CENTER TPSS	SPARE				
M208a*	1"		E-42	NORTH AC SWBD. RM.	SAFETY WALK-I.B.	EMERGENCY LIGHTS				
M208			E-33 E-42,46		MEDICAL CENTER NORTH VENT SHAFT HIGH LEVEL		277V	2	#12	VIA M208a* NEH-12
M208a*			E-34	MEDICAL CENTER NORTH VENT SHAFT HIGH LEVEL	MEDICAL CENTER TPSS					
M208b			E-34	MEDICAL CENTER TPSS	DISC. SWITCH FOR EMER. LTG.					* DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL) * EXTEND CONDUIT STUBOUT AS REQ. TO CONN. TO PNL OR SWBD

DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
BY	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	
P. S. CHU	7-18-79						
G. BRAYTON	7-31-79			8-31-83	HTN	1 REVISED PER FIELD CONDITION, AS BUILT	
H. B. ZACKRISON	8-16-80					2 REVISED PER PCQ-90, AS BUILT	
H. B. ZACKRISON	8-16-80						

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • DEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHIER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEED & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED: *[Signature]* DATE: 2/10/81

ROCKVILLE ROUTE MEDICAL CENTER STATION A.C. POWER CONDUIT AND WIRING SCHEDULE

SCALE: NONE

FA12-E-76

M335-339

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M254a*	3"	GSR	E-42 E-48 E-49	NORTH AC SWBD RM	NORTH MECH. RM.-MEZZ.	RECEPTACLES IN NORTH ANCIL. RM. -MEZZ.				SLEEVE
M254	1"		E-42 E-46				208V	4 1	#12 #12 GND	VIA M254a* NPP-6,8,10
M255a*	3"		E-42 E-48 E-49			ESSENTIAL LIGHTS IN MEZZANINE MECH. ROOM				SLEEVE
M255a	1"		E-42 E-48				480V	3 1	#12 #12 GND	VIA M255a* NP-4,6
M256a*	3"		L-41,42 E-48,49			EMER. LIGHTS MEZZ. PYLONS & N. MECH. RM.	480V	3 1	#12 #12 GND	SLEEVE SEE M197a NEH-2,4
M257a*			E-42 E-48			ESSENTIAL LIGHTS KIOSK				SLEEVE PART M200a
M258a*			E-41,42 E-48,49			ESSENTIAL LIGHTS MEZZANINE				SLEEVE SEE M198a
M259a*	1"		E-42 E-49			FDR FOR MCC-MN	480V	4 1	350 MCM #2 GND	SLEEVE SEE M12
M260a*	3"	GSR	E-49 E-142	SOUTH MECH. RM.-MEZZ.	SOUTH DOME SPACE	SPARE				SLEEVE
M261a*										
M262a*										
M263a*				NORTH MECH. RM.-MEZZ.	NORTH DOME SPACE					
M264a*										
M265a*										
M266* THRU M271*	1"	GSR	E-14	MEDICAL CENTER TPSS	STREET LEVEL	PEPCO SERVICE	13KV			
M272*				MEDICAL CENTER CHILLER PLANT						
M278*	1"	GSR	E-48	PASSAGEWAY (EAST)	LIGHTING FIXTURE IN COLLAR	THROUGH-FEED TO EAST PASSAGEWAY LIGHTS	480V	4 1	#12 #12 GND	IN PASSAGEWAY COLLAR
M279*						SPARE				
M280*				PASSAGEWAY (WEST)		THROUGH-FEED TO WEST PASSAGEWAY LIGHTS	480V	4 1	#12 #12 GND	
M281*						REMOTE BALLAST WIRING TO LIGHTS	277V	6	#12	
M282*						REMOTE BALLAST WIRING TO LIGHTS	277 V	2	#12	
M283*						REMOTE BALLAST WIRING TO LIGHTS	277V	4	#12	
M284*	1"			PASSAGEWAY (EAST)	PASSAGEWAY (WEST)	EMER. LIGHTS	277V	2	#12	
M285*						SPARE				
M284a*	1"			HUNG CEILING OVER PASSAGEWAY	PASSAGEWAY	SPARE				SLEEVE THRU DRIP SLAB
M285a*						SPARE				
M285a	1"			NORTH DOME SPACE						
M286a*	1"	GSR	E-48	PASSAGEWAY	ENT. ELEV. VESTIBULE PASSAGEWAY	ESSENTIAL LIGHTS				SLEEVE THRU BEAM
M287a*					NORTH MECH. RM.-MEZZ.					SLEEVE 11'-0" AFF SEE M249*
M288a*										SEE M249*
M289a*						EMERGENCY LIGHTS				SEE M256a*
M290	1"	GSR	E-142 E-42	PLATFORM ELEV. MACH. RM.	NORTH R.A. PLENUM	FUT. CATHODIC PROTECTION				
M290a	1"	GSR	E-43	NORTH R.A. PLENUM	PLATF. ELEV. PIT					SLEEVE

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
M301* THRU M302*	3"	PVC	E-34	MEDICAL CENTER TPSS	STREET LEVEL	FUTURE DRAIN CABLES				
M303* THRU M308	3"	PVC	E-123	POOKS HILL TPSS	STREET LEVEL	FUTURE DRAIN CABLES				
M309*	3"	PVC	E-34	MEDICAL CENTER TPSS	MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL	DRAIN CABLES				
M309a	3"	GSR	E-33	J.B. AT ADIT OF MED CEN NORTH VENT SHAFT I.B.						CONT'D OF M309*
M310*	2"	GSR	E-34	MEDICAL CENTER NORTH VENT SHAFT-HIGH LEVEL	MEDICAL CENTER TPSS	SPARE				
M311a*	1"	GSR	E-35	ENT. ELEV. MACH. RM.	MEDICAL CENTER TPSS	ESSENTIAL LIGHTS AND RECEPTACLES	277V 120V	2 2	#12 #12	SLEEVE
M312a*						EMERGENCY LIGHTS	277V	2	#12	SLEEVE
M313a*						FAN #15 AND WALL MTD. HEATER #4	120V 120V 480V 277V	2 2 3 2	#12 #12 #12 #12 GND	SLEEVE CP-5 CP-6
M314a*	1"	GSR	E-33	MEDICAL CENTER NORTH VENT SHAFT UPPER STRUCTURE	VENTILATION DUCT	RECEPTACLE	120V	2	#12	SLEEVE THRU DUCT
M315a*						EMERGENCY LIGHTS				
M316a*										
M317a*	1"					RECEPTACLE				
M318*	1"		E-50 E-34	ENTRANCE ELEVATOR MACH. RM.	J.B. IN ENTRANCE ELEVATOR PIT	FUT. CATHODIC PROTECTION				
M320*	3"	GSR	E-4	MANHOLE #4 GROUP 2	SAFETY WALK-I.B. TRACK	FDR #1-POOKS HILL PUMP ESSENTIAL FEEDER - I.B.	480V	3/C 4/C	#8 W/GND #8 W/GND	FDPH-1 MDPB-3 FPL-1.B. PH-4
M321*						LOCUST HILL PUMPING STA FDR #1		3/C	250MCM W/GND	FDFP-1 MDPB-2
M322*						LOCUST HILL VENT SHAFT FDR #1		3/C	W/GND	FDFP-1 MDPB-4
M323*						LOCUST HILL DC TIE BRK STA & FUT. EMER. TRIP		3/C	#8 W/GND	FDFP-1 PH-9
M324*						FDR #2-POOKS HILL PUMP NON-ESS. FEEDER-I.B.		3/C 3/C	#8 W/GND #8 W/GND	FDPH-2 MDPB-3 FPL-1.B. PH-6
M325*						EMER. LTG.-TUN.		4/C 4/C	#10 W/GND #10 W/GND	FPL-1B EL-1,3,5 FPL-0B EL-2,4,6
M326*						SAFETY WALK-O.B. TRACK		4/C 3/C	#8 W/GND #8 W/GND	FPL-O.B. PH-5 FPP-O.B. PH-7
M327*	3"	GSR	E-4	MANHOLE #4 GROUP 2	SAFETY WALK-O.B. TRACK	LOCUST HILL PUMPING STA. FDR#2	480V	3/C	250MCM W/GND	FDFP-2 MDPB-2
M328*						LOCUST HILL FAN SHAFT FDR #2		3/C	#2/0 W/GND	FDFP-2 MDPB-4

DESIGNED P.S. CHU DATE 7-18-79	REFERENCE DRAWINGS	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		ROCKVILLE ROUTE MEDICAL CENTER STATION A.C. POWER CONDUIT AND WIRING SCHEDULE
DRAWN G. GRAYTON DATE 8-23-79	NUMBER DESCRIPTION	DATE BY DESCRIPTION	MATHews • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER		
CHECKED H.B. ZACKRISON DATE 9-16-80			SUBMITTED <i>Jerily Spass</i> DATE 2/10/91		APPROVED <i>Paul J. ...</i>
APPROVED H.B. ZACKRISON DATE 9-16-80			SCALE NONE		
			M335-341		

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS	CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS	
DESIG.	SIZE	TYPE						NO.	SIZE		DESIG.	SIZE	TYPE						NO.	SIZE		
M330*	3"	GSR	E-41 E-142	NORTH AC SWBD RM	NORTH R.A. PLENUM	SPARE								M370	2"	GSR	E-142	NORTH BATTERY ROOM	DTS CABINET			
M331*														M371				SOUTH BATTERY ROOM				
M332*																						
M333*				SOUTH AC SWBD RM	SOUTH R.A. PLENUM																	
M334*																						
M335*																						
M340	1"	GSR	E-42 E-142	HV CUBICLE IN NORTH AC SWBD RM	PANEL "NDC"	HV SWITCHGEAR CONTROL POWER																
M341	1 1/2"		E-42 E-142			HV SWITCHGEAR DC POWER																
M342	1"		E-42 E-46 E-142		PANEL "NPP"	HV SWITCHGEAR SPACE HEATER	120V	2	Ø12	NPP-17												
M343	2"		E-42 E-46 E-142		DTS CABINET	EQUIPMENT MONITOR PRIMARY SWITCHGEAR																
M344	1"		E-42 E-142	480V SWITCHBOARD IN NORTH AC SWBD RM	PANEL "NDC"	HV SWITCHGEAR DC POWER																
M345	1 1/2"		E-42 E-142			480V SWBD RELAY/GFP DC POWER																
M346	1"		E-42 E-46 E-142		PANEL "NPP"	480V SWBD SPACE HEATER	120V	2	Ø12	NPP-18												
M347	2"		E-42 E-46 E-142		DTS CABINET	EQUIPMENT MONITOR 480V SWITCHBOARD																
M348	1"		E-42 E-142	HV CUBICLE IN SOUTH AC SWBD RM	PANEL "SDC"	HV SWITCHGEAR DC CONTROL POWER																
M349	1 1/2"		E-42 E-142			HV SWITCHGEAR DC POWER																
M350	1"		E-42 E-46 E-142		PANEL "SPP"	HV SWITCHGEAR SPACE HEATER	120V	2	Ø12	SPP-3												
M351	2"		E-42 E-46 E-142		DTS CABINET	EQUIPMENT MONITOR PRIMARY SWITCHGEAR																
M352	1"		E-42 E-142	480V SWITCHBOARD IN SOUTH AC SWBD RM	PANEL "SDC"	480V SWBD DC CONTROL POWER																
M353	1 1/2"		E-42 E-142			480V SWBD RELAY/GFP DC POWER																
M354	1"		E-42 E-46 E-142		PANEL "SSP"	480V SWBD SPACE HEATER	120V	2	Ø12	SPP-5												
M355	2"		E-42 E-46 E-142		DTS CABINET	480V SWITCHBOARD EQUIPMENT MONITOR																
M356				PRIMARY TRANSFORMER NORTH A.C. SWBD. ROOM		EQUIPMENT MONITOR PRIMARY TRANSFORMER																
M357				PRIMARY TRANSFORMER SOUTH A.C. SWBD. ROOM																		
M358			1-142	FLASHER & DIMMER UNIT NORTH AC SWBD. ROOM																		
M359				FLASHER & DIMMER UNIT SOUTH AC SWBD. ROOM																		
M360	3"	GSR	E-44	WIRE TROUGH IN NORTH R.A. PLENUM	WIRE TROUGH IN HUNG CEILING CAVITY UNDER MESS.	SPARE																
M361																						
M362																						
M363																						

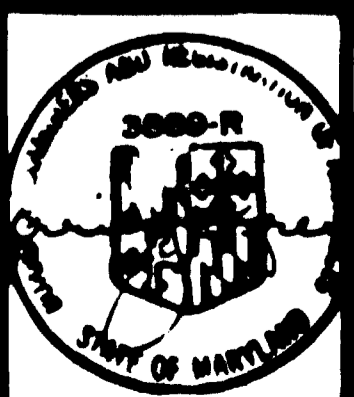
AS-BUILT CONDITION
 10/10/99
 HARRY WESE & ASSOCIATES



* DENOTES EXISTING CONDUIT OR SLEEVE (TYPICAL)

DESIGNED P. S. CHU 7-10-78
 DRAWN S. BRAYTON 8-23-78
 CHECKED H. B. ZACKERSON 1-1-79
 APPROVED H. B. ZACKERSON 2-1-79

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER
 SUBMITTED *Spirely Jones* DATE 2/10/01 APPROVED *[Signature]*

**ROCKVILLE ROUTE
 MEDICAL CENTER STATION
 A.C. POWER CONDUIT AND WIRING SCHEDULE**
 SCALE NONE DRAWING NO. FAI2-E-79 M335-342