ELECTRICAL MANHOLE LOCATION CHART

NUMBER	NORTH AND EAST COORDINATES	DETAIL	PERMANENT PUMP	TEMPORARY PUMP
#1	NORTH 49,937.750 EAST 9,237.1037	"E"	–	X
#2	NORTH 50,034.7974 EAST 9,248.2121	"F"	–	X
#3	NORTH 49,857.00 EAST 9,888.3833	"N"	–	X
#4	NORTH 49,532.00 EAST 9,891.5833	"N"	–	X
#5	NORTH 49,955.0000 EAST 10,000.00	"R"	–	X
#6	NORTH 49,777.0202 EAST 9,891.00	"R"	–	X
#7	NORTH 49,913.5625 EAST 9,383.5833	"D-D"	–	X
#8	NORTH 49,559.0458 EAST 9,049.50	"G-G"	–	X
#9	NORTH 49,549.0187 EAST 8,796.1042	"H-H"	–	X
#10	NORTH 49,566.9063 EAST 8,721.9698	"H-H"	–	X
#11	NORTH 49,814.6629 EAST 8,68[illegible].0935	"C"	–	X
#12	NORTH 49,927.9792 EAST 8,488.00	"B"	–	X
#13	NORTH 49,141.3072 EAST 9,127.00	"F-F"	–	X
#14	NORTH 49,929.00 EAST 9,013.9375	"N-N"	–	X
#15	NORTH 48,913.2025 EAST 8,721.9896	"P-P"	–	X
#16	NORTH 48,932.6713 EAST 8,706.9896	"P-P"	–	X
#17	NORTH 49,928.4792 EAST 8,094.3333	"A"	–	X
#18	NORTH 49,059.50 EAST 9,690.5625	"L-L-L"	–	X
#19	NORTH 49,262.8333 EAST 9,160.00	"K-K-K"	–	X

COMMUNICATION SYSTEM MANHOLE LOCATION CHART

NUMBER	NORTH AND EAST COORDINATES	DETAIL	PERMANENT PUMP	TEMPORARY PUMP
"CM-4"	NORTH 49,109.1916 EAST 9,041.6032	"M-M"	–	X
"CM-5"	NORTH 49,946.4063 EAST 8,693.4896	"P-P"	–	X
"CM-6"	NORTH 48,882.3333 EAST 9,043.5715	"J-U"	–	X
"CM-7"	NORTH 49,956.00 EAST 9,756.00	"E-E-E"	–	X
"CM-8"	NORTH 50,141.1991 EAST 10,000.0144	"F-F-F"	–	X
"CM-9"	NORTH 50,373.5532 EAST 10,205.0087	"G-G-G"	–	X

DUCT RUN LOCATION CHART

WORKING POINTS	NORTH AND EAST COORDINATES	BOTTOM ELEVATION	CONDUIT ARRANGEMENT
#1	NORTH 49,933.00 EAST 9,237.8333	610'-4"	SECTION 5-5 D-216-017
#2	NORTH 49,993.50 EAST 9,860.8667	611'-1"	SECTION 3-3 D-216-016
#3	NORTH 49,713.00 EAST 9,868.8867	610'-9"	SECTION 3-3 D-216-018
#4	NORTH 49,879.6107 EAST 9,896.8667	614'-5"	SECTION 3-3 D-216-016
#5	NORTH 49,634.00 EAST 9,893.00	614'-7"	SECTION 3-3 D-216-013
#6	NORTH 49,446.7094 EAST 9,693.00	612'-4-3/4"	SECTION 3-3 D-216-016
#7	NORTH 50,099.7265 EAST 9,352.1545	608'-4-1/2"	SECTION 8-8 D-216-022
#8	NORTH 49,255.00 EAST 8,719.00	610'-0"	SECTION 13-15 D-216-018
#9	NORTH 49,736.6413 EAST 9,790.00	609'-6"	SECTION 2-2 D-216-015
#10	NORTH 49,843.00 EAST 8,658.00	611'-9"	SECTION 1-1 D-216-019
#11	NORTH 49,599.50 EAST 9,077.2223	614'-5"	SECTION 4-4 D-216-021
#12	NORTH 49,592.00 EAST 9,231.00	609'-2"	SECTION 5-5 D-216-017
#13	NORTH 49,765.00 EAST 8,704.00	614'-0"	SECTION 21-21 D-216-019
#14	NORTH 49,929.00 EAST 8,658.00	615'-7"	SECTION 1-1 D-216-019
#15	NORTH 48,725.00 EAST 9,015.00	612'-1"	SECTION 5-5 D-216-025
#16	NORTH 48,700.00 EAST 9,015.00	614'-8"	SECTION 5-5 D-216-025
#17	NORTH 49,255.00 EAST 6,704.00	609'-6"	SECTION 14-14 D-216-018
#18	NORTH 49,184.5625 EAST 9,289.0996	610'-2-3/4"	SECTION 3-3 D-216-014
#19	NORTH 49,849.9167 EAST 9,606.50	615'-4"	SECTION 2-2 D-216-020
#20	NORTH 49,870.4430 EAST 9,612.00	615'-3"	SECTION 2-2 D-216-020
#21	NORTH 48,997.50 EAST 8,890.0853	609'-4-3/4"	SECTION 17-17 D-216-025
#22	NORTH 48,997.50 EAST 8,872.4186	609'-4"	SECTION 17-17 D-216-025
#23	NORTH 49,326.00 EAST 9,723.50	607'-11"	SECTION 1-1 D-216-024
#24	NORTH 48,997.50 EAST 8,850.2728	609'-3-1/2"	SECTION 28-26 D-216-025
#25	NORTH 49,774.00 EAST 9,237.8333	609'-10-1/2"	SECTION 5-5 D-216-017
#26	NORTH 49,799.5022 EAST 9,231.00	609'-9-1/4"	SECTION 5-5 D-216-017
#27	NORTH 49,315.0833 EAST 9,179.9583	615'-1-1/4"	SECTION 2-2 D-216-013
#28	NORTH 49,341.7083 EAST 9,198.50	615'-3-1/2"	SECTION 2-2 D-216-013
#29	NORTH 49,369.2083 EAST 9,180.0833	615'-1-1/4"	SECTION 2-2 D-216-013
#30	NORTH 49,396.7083 EAST 9,180.0833	615'-1-1/4"	SECTION 2-2 D-216-013
#31	NORTH 49,423.3133 EAST 9,179.7083	615'-1-1/4"	SECTION 2-2 D-216-013
#32	NORTH 49,452.3750 EAST 9,181.750	615'-1-1/2"	SECTION 2-2 D-216-013
#33	NORTH 50,059.5988 EAST 9,299.7110	611'-1-1/2"	SECTION 13-13 D-216-017
#34	NORTH 50,066.9960 EAST 9,295.4402	611'-1-1/2"	SECTION 13-13 D-216-017
#35	NORTH 50,164.4375 EAST 9,481.2368	611'-10-1/2"	SECTION 13-13 D-216-017
#36	NORTH 50,173.5936 EAST 9,480.0813	611'-10-1/2"	SECTION 13-13 D-216-017
#37	NORTH 48,713.8542 EAST 9,038.8542	615'-3"	SECTION 5-5 D-216-025
#38	NORTH 48,741.7113 EAST 9,038.8542	612'-0"	SECTION 5-5 D-216-025
#39	NORTH 48,841.1378 EAST 9,038.8542	611'-8"	SECTION 5-5 D-216-025
#40	NORTH 48,862.7083 EAST 9,044.6340	611'-7"	SECTION 5-5 D-216-025
#41	NORTH 49,449.6354 EAST 9,718.50	608'-2-1/2"	SECTION 5-5 D-216-020
#42	NORTH 49,392.50 EAST 9,834.50	611'-11-1/2"	SECTION 11-11 D-216-026

(CONTINUED)

DUCT RUN LOCATION CHART

WORKING POINTS	NORTH AND EAST COORDINATES	BOTTOM ELEVATION	CONDUIT ARRANGEMENT
#43	NORTH 49,475.6354 EAST 9,687.9792	610'-3-3/4"	SECTION 5-5 D-216-020
#44	NORTH 49,475.6354 EAST 9,712.50	609'-7-3/4"	SECTION 5-5 D-216-020
#45	NORTH 49,475.6354 EAST 9,761.06	608'-6-3/4"	SECTION 5-5 D-216-020
#46	NORTH 49,[illegible]01.6875 EAST 9,642.6250	612'-6-1/2"	SECTION 5-5 D-216-020
#47	NORTH 49,611.50 EAST 9,652.4375	612'-7"	SECTION 5-5 D-216-020
#48	NORTH 49,699.3594 EAST 9,652.4375	612'-10-1/2"	SECTION 5-5 D-216-020
#49	NORTH 49,707.00 EAST 9,858.00	612'-11"	SECTION 5-5 D-216-020
#50	NORTH 49,177.8353 EAST 9,689.50	615'-1-1/4"	SECTION 5-5 D-216-020
#51	NORTH 49,046.7839 EAST 9,889.50	615'-8-1/2"	SECTION 5-5 D-216-020
#52	NORTH 49,040.00 EAST 9,693.4167	615'-6-3/4"	SECTION 5-5 D-216-020
#53	NORTH 49,3[illegible]2.50 EAST 9,700.250	614'-10"	SECTION 10-10 D-216-016
#54	NORTH 49,392.50 EAST 9,745.00	613'-9-1/4"	SECTION 10-10 D-216-016
#55	NORTH 49,392.50 EAST 9,748.50	614'-0"	SECTION 11-11 D-216-028
#56	NORTH 49,392.50 EAST 9,790.00	612'-1-1/2"	SECTION 11-11 D-216-028
#57	NORTH 49,307.9802 EAST 9,172.7552	615'-0"	SECTION 2-2 D-216-013
#58	NORTH 49,334.8802 EAST 9,172.7552	615'-0"	SECTION 2-2 D-216-013
#59	NORTH 49,361.8802 EAST 9,172.7552	615'-0"	SECTION 2-2 D-216-013
#60	NORTH 49,389.3802 EAST 9,172.7552	615'-0"	SECTION 2-2 D-216-013
#61	NORTH 49,416.3802 EAST 9,172.7552	615'-0"	SECTION 2-2 D-216-013
#62	NORTH 49,443.3802 EAST 9,172.7552	615'-0"	SECTION 2-2 D-216-013
#63	NORTH 49,338.8403 EAST 9,176.7153	615'-0-3/4"	SECTION 2-2 D-216-013
#64	NORTH 49,715.1875 EAST 9,679.7887	614'-8"	SECTION 4-4 D-216-025
#65	NORTH 49,729.9813 EAST 9,735.00	614'-2-1/2"	SECTION 4-4 D-216-025
#66	NORTH 49,735.3236 EAST 9,754.9375	614'-0"	SECTION 11-11 D-216-028
#67	NORTH 49,957.0625 EAST 9,790.00	613'-3"	SECTION 11-11 D-216-028
#68	NORTH 49,957.0625 EAST 9,842.7547	614'-9"	SECTION 4-4 D-216-025
#69	NORTH 49,901.00 EAST 9,410.9750	615'-4"	SECTION 12-12 D-216-029
#70	NORTH 49,901.00 EAST 9,423.770	615'-8"	SECTION 8-8 D-216-029
#71	NORTH 49,899.00 EAST 9,431.2341	615'-8-1/2"	SECTION 8-8 D-216-029
#72	NORTH 49,138.7882 EAST 9,023.00	610'-1"	SECTION 5-5 D-216-031
#73	NORTH 49,200.00 EAST 9,023.00	610'-3-3/4"	SECTION 5-5 D-216-031
#74	NORTH 49,599.50 EAST 9,074.50	614'-5-1/4"	SECTION 4-4 D-216-021
#75	NORTH 49,326.00 EAST 9,745.00	608'-5"	SECTION 1-1 D-216-024
#76	NORTH 49,326.00 EAST 9,790.00	611'-2"	SECTION 1-1 D-216-024
#77	NORTH 49,34[illegible].6875 EAST 9,820.6356	611'-3-1/2"	SECTION 1-1 D-216-024
#78	NORTH 49,609.4954 EAST 9,088.5382	613'-6-3/4"	SECTION 4-4 D-216-021
#79	NORTH 49,609.8091 EAST 9,074.5	613'-8-7/8"	SECTION 4-4 D-216-021
#80	NORTH 49,609.4954 EAST 9,067.7083	614'-1-1/8"	SECTION 3-3 D-216-021
#81	NORTH 49,221.1815 EAST 9,010.7708	610'-4-3/4"	SECTION 5-5 D-216-031
#82	NORTH 49,261.8333 EAST 9,114.50	608'-11-1/4"	SECTION 1-1 D-216-031

DETAIL LOCATION CHART

DETAILS	DRAWING NUMBER
"A"	D-216-019
"B"	D-216-019
"C"	D-216-019
"D"	D-216-030
"E"	D-216-017
"F"	D-216-017
"G"	D-216-017
"H"	D-216-024
"J"	D-216-024
"K"	D-216-024
"L"	D-216-016
"M"	D-216-016
"N"	D-216-016
"P"	D-216-016
"Q"	D-216-015
"R"	D-216-015
"S"	D-216-015
"T"	D-216-024
"U"	D-216-024
"V"	D-216-023
"W"	D-216-023
"X"	D-216-025
"Y"	D-216-020
"Z"	D-216-020
"A-A"	D-216-020
"B-B"	D-216-025
"C-C"	D-216-020
"D-D"	D-216-022
"E-E"	D-216-022
"F-F"	D-216-026
"G-G"	D-216-021
"H-H"	D-216-019
"J-J"	D-216-021
"K-K"	D-216-021
"L-L"	D-216-021
"M-M"	D-216-026
"N-N"	D-216-026
"P-P"	D-216-026
"Q-Q"	D-216-020
"R-R"	D-216-018
"S-S"	D-216-031
"T-T"	D-216-026
"U-U"	D-216-027
"V-V"	D-216-027
"W-W"	D-216-027
"X-X"	D-216-029
"Y-Y"	D-216-028
"Z-Z"	D-216-028
"A-A-A"	D-216-028
"B-B-B"	D-216-028
"C-C-C"	D-216-028
"D-D-D"	D-216-029
"E-E-E"	D-216-027
"F-F-F"	D-216-027
"G-G-G"	D-216-027
"H-H-H"	D-216-029
"J-J-J"	D-216-029
"K-K-K"	D-216-031
"L-L-L"	D-216-020
"M-M-M"	D-216-027
"N-N-N"	D-216-030
"P-P-P"	D-216-031
"Q-Q-Q"	D-216-031

NOTES:-

1. ALL CONDUITS IN UNDERGROUND DUCT RUNS TO BE 4" SCHEDULE 20 PVC, UNLESS OTHERWISE INDICATED (SEE NOTE 15).
2. ALL BENDS FOR CONDUIT IN A NUCLEAR SAFETY RELATED DUCT RUN TO HAVE A 48" RADIUS (SEE DETAIL "D" - DWG. D-216-002), UNLESS OTHERWISE NOTED. WHERE A RADIUS OF OTHER THAN 48" IS CALLED FOR, THE INTERIOR CONDUIT WILL CONFORM TO THE RADIUS INDICATED WITH THE EXTERIOR CONDUIT RADII TO BE CONCENTRIC ABOUT IT SIMILAR TO DETAIL "E" - DWG. D-216-002.
3. ALL CONDUITS IN UNDERGROUND DUCT RUNS TO HAVE EXPANSION COUPLINGS ON EVERY CONDUIT, SPACED PER MANUFACTURERS REQUIREMENTS.
4. ALL NUCLEAR SAFETY RELATED DUCT RUNS WILL HAVE: 5" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR TOP, BOTTOM, AND SIDES. THE TOLERANCE ON LOCATION DIMENSIONS FOR CONDUIT SHALL BE ± 1" FROM SPECIFIED DRAWING DIMENSIONS, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. THE LOCATION AND ELEVATION DIMENSIONS OF CONDUIT STUB-UPS SHALL BE INSTALLED AS SPECIFIED ON THE DRAWINGS, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
5. ALL CONDUITS IN UNDERGROUND DUCT RUNS ENTERING MANHOLES TO HAVE: FLUSH MOUNTED PVC END BELLS (SEE DETAIL "B" - DWG. D-216-002).
6. BLANK
7. ALL BENDS IN A NON-NUCLEAR SAFETY RELATED DUCT RUN TO HAVE A 25' BENDING RADIUS FOR THE INTERIOR CONDUIT WITH THE EXTERIOR CONDUIT RADII TO BE CONCENTRIC ABOUT IT, UNLESS OTHERWISE NOTED. (SEE DETAIL "E" - DWG. D-216-002).
8. BLANK
9. ALL NON-NUCLEAR SAFETY RELATED DUCT RUNS WILL HAVE: 2" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR SIDES, WITH 3" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR TOP AND BOTTOM, UNLESS OTHERWISE NOTED.
10. BLANK
11. ALL NON-NUCLEAR SAFETY RELATED DUCT RUNS AT UNDERDRAIN MANHOLES, BUILDING STRUCTURES, ELECTRICAL AND COMMUNICATION SYSTEM MANHOLES TO HAVE: 5" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR TOP AND SIDES, WITH 6" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR BOTTOM FOR A DISTANCE OF 7' FROM UNDERDRAIN MANHOLE WALLS, BUILDING STRUCTURES, ELECTRICAL AND COMMUNICATION SYSTEM MANHOLE WALLS.
12. ALL NON-NUCLEAR SAFETY RELATED DUCT RUNS UNDER ROADS TO HAVE: 5" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR TOP AND SIDES, WITH 6" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR BOTTOM, FOR A DISTANCE OF 7' MINIMUM FROM THE SHOULDER OF THE ROAD.
13. ALL NON-NUCLEAR SAFETY RELATED DUCT RUNS UNDER RAILROADS TO HAVE: 5" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR TOP AND SIDES, WITH 6" MINIMUM CONCRETE COVER OVER THE CONDUIT FOR BOTTOM, FOR A DISTANCE OF 30' MINIMUM FROM CENTER LINE RAILROAD.
14. SPACING BETWEEN CONDUITS FOR DUCT RUNS BASED ON CARLON PLASTIC SPACERS. (SEE DETAILS "H" AND "J" - DWG. D-216-002).
15. WHERE UNDERGROUND DUCT RUNS ENTER BUILDING, STRUCTURES AND UNDERDRAIN MANHOLES A STEEL TO PVC ADAPTER SHALL BE USED TO CHANGE TO GALVANIZED STEEL CONDUIT FOR THE LAST 12" OF DUCT RUN (SEE DETAIL "A" - DWG. D-216-002).
16. WORKING POINT DIMENSIONS AT HORIZONTAL BENDS IN PLAN VIEW ARE TO: CENTER LINE OF DUCT BANK OR TO INTERSECTION OF DUCT BANK CENTER LINES [W.P. (D)]: CENTER LINE OF CONDUIT OR TO INTERSECTION OF CONDUIT CENTER LINES [W.P. (C)]. (SEE DETAIL "K" - DWG. D-216-002).
17. THE WORKING POINT FOR A VERTICAL DUCT BANK BEND IS THE SAME WORKING POINT AS THE END OF THE RADIUS OF THE INTERIOR CONDUIT BEND IN THE DUCT BANK. (SEE DETAIL "L" - DWG. D-216-002).
18. ALL FUTURE CONDUITS TO BE 4" GALVANIZED STEEL AND CAPPED (SEE DETAIL "F" - DWG. D-216-002).
19. ALL NUCLEAR SAFETY RELATED UNDERGROUND DUCT RUNS TO BE REINFORCED (SEE NOTE #21).
20. NON-NUCLEAR SAFETY RELATED DUCT RUNS ARE NOT TO BE REINFORCED, EXCEPT AS FOLLOWS: FOR A DISTANCE OF 7' FROM UNDERDRAIN MANHOLES, BUILDING STRUCTURES, ELECTRICAL AND COMMUNICATION SYSTEM MANHOLES; UNDER ROADS FOR A DISTANCE OF 7' MINIMUM FROM THE SHOULDER OF THE ROAD; UNDER RAILROADS FOR A DISTANCE OF 30' MINIMUM FROM CENTER LINE OF RAILROAD; AND AS INDICATED (SEE NOTE #21).
21. ELECTRICAL UNDERGROUND DUCT RUN DRAWINGS ARE TO BE WORKED IN CONJUNCTION WITH STRUCTURAL DWG. D-426-660.
22. TRANSITION OF CONCRETE ENCASEMENT FOR NON-NUCLEAR SAFETY RELATED DUCT BANKS FROM REINFORCED AREA TO NON-REINFORCED AREA TO HAVE AN APPROXIMATE 4 TO 1 SLOPE. (SEE DETAIL "C" - DWG. D-216-002).
23. FOR MISCELLANEOUS SECTIONS AND DETAILS, SEE ELECTRICAL DWG. D-216-002.
24. GROUNDING BAR TO BE 2" X 1/4" COPPER BAR, SEE DETAIL "G" ON ELECTRICAL DWG. D-216-002. FOR GROUNDING LOOP INSIDE MANHOLE AND GROUNDING TO MAIN GRID, SEE DETAIL "T" ON ELECTRICAL DWG. D-219-002. FOR GROUNDING BAR LOCATIONS, SEE STRUCTURAL DWGS. D-426-601 THRU 604, 609 - 613, 615 - 629, 661.
25. FOR CONDUIT NUMBERS, SEE ELECTRICAL DWG. D-215-711.
26. WHERE UNDERGROUND DUCT RUNS ENTER BUILDINGS, STRUCTURES, AND UNDERDRAIN MANHOLES, THE GALVANIZED STEEL CONDUIT, AS SPECIFIED IN NOTE 15, SHALL HAVE A TEMPORARY CAPPED BUSHING UNTIL CABLE IS PULLED.
27. CONDUITS USING STEEL TO PVC ADAPTERS FLUSH WITH THE FOUNDATION SHALL BE INSTALLED WITH A TEMPORARY BLANK GALVANIZED PENNY.

REFERENCES:-

- D-216-002 UNDERGROUND DUCT RUNS - MISCELLANEOUS SECTIONS AND DETAILS
- D-216-011 MANHOLES AND UNDERGROUND DUCT RUNS - PLAN
- D-216-012 UNDERGROUND DUCT RUNS - BETWEEN RADWASTE BUILDING AND TURBINE POWER COMPLEX
- D-216-013 UNDERGROUND DUCT RUNS - DIESEL GENERATOR BUILDING
- D-216-014 UNDERGROUND DUCT RUNS - BETWEEN SERVICE BUILDING AND TURBINE POWER COMPLEX
- D-216-015 UNDERGROUND DUCT RUNS - CIRCULATING WATER PUMP HOUSE (UNIT 1)
- D-216-016 UNDERGROUND DUCT RUNS - DIVISION #1 TO EMERGENCY SERVICE WATER PUMP HOUSE EAST OF PLANT
- D-216-017 UNDERGROUND DUCT RUNS - DIVISION #2 AND #3 TO EMERGENCY SERVICE WATER PUMP HOUSE WEST OF PLANT
- D-216-018 UNDERGROUND DUCT RUNS - SECTIONS AND DETAILS
- D-216-019 UNDERGROUND DUCT RUNS - FIRE SERVICE BUILDING AND DECANT PUMP HOUSE
- D-216-020 UNDERGROUND DUCT RUNS - SERVICE TO UNDERDRAIN MANHOLES #1, #3, #9, #10, #11 AND #23
- D-216-021 UNDERGROUND DUCT RUNS - AREA SOUTH AND SOUTHWEST OF WATER TREATING BUILDING
- D-216-022 UNDERGROUND DUCT RUNS - SERVICE WATER PUMP HOUSE NORTH OF PLANT
- D-216-023 UNDERGROUND DUCT RUNS - CIRCULATING WATER PUMP HOUSE (UNIT 2)
- D-216-024 UNDERGROUND DUCT RUNS - EMERGENCY SERVICE WATER PUMP HOUSE NORTH OF PLANT
- D-216-025 UNDERGROUND DUCT RUNS - SECTIONS AND DETAILS
- D-216-026 UNDERGROUND DUCT RUNS - NEAR TRANSMISSION STATION SOUTHWEST OF PLANT
- D-216-027 UNDERGROUND DUCT RUNS - COMMUNICATION SYSTEM TO PLANT
- D-216-028 UNDERGROUND DUCT RUNS - MISCELLANEOUS DUCT RUNS EAST SIDE OF PLANT
- D-216-029 UNDERGROUND DUCT RUNS - MISCELLANEOUS DUCT RUNS
- D-216-030 UNDERGROUND DUCT RUNS - MISCELLANEOUS DUCT RUNS
- D-216-031 UNDERGROUND DUCT RUNS - GUARDHOUSE

LEGEND:- (EXCEPT DWG. D-216-011)

- CONDUIT ENCASED IN CONCRETE
- EDGE OF CONCRETE ENCASEMENT

NUCLEAR SAFETY RELATED

TERA APERTURE CARD

REVISIONS

NO	DATE	MADE	CHKD	APPROVALS
D	7/15/80	BLR	LME	[illegible] TAS
	REV. NOTE NO 4 & ADDED NOTES NO 26 & NO 27 AS PER ECN-1585-33-75, ECN-1662-33-89, & ECN-1663-34-23. REV. AS INDICATED 1 PLACE			
C	[illegible]	[illegible]	[illegible]	[illegible]
	ADDED NOTE #25; REVISED NOTE #4, #21, & #24; REMOVED HOLD COORD. #5; ADDED MANHOLE #19, WORKING POINTS #72, #73, #81, #82, DETAILS "K-K-K", "P-P-P" & "Q-Q-Q"; ADDED REFERENCE COORD G4.			
B	11/15/78	LME	EFD	[illegible] JMS
	DELETED W.P.'s #72, 73 & DETAIL "K-K-K". REV. N & E COORD FOR W.P. #43. REV. N COORD FOR W.P. #41, #44 & #45. ADDED W.P. #78, #79 & #80. ADDED DWG NUMBERS TO NOTES #21 & #24.			
A	3/10/78	BS	BJS	[illegible] JMS
	REVISED NORTH & EAST COORDS. FOR ELEC. MH. #15. REVISED BOT. ELEV. FOR WORKING POINT #3. ADDED DETAIL "M-M-M" & "N-N-N" TO DETAIL LOCATION CHART. CHANGED DWG. NO. FOR DETAIL "D" ON DETAIL LOCATION CHART.			

DATE	RELEASED FOR	ENGR.
4-1-77	CONSTRUCTION	JMS
	LIMITED CONSTRUCTION: AS NOTED	
	PRELIMINARY NOT FOR CONSTRUCTION	
12-1-76	BIDDING PURPOSES SP33 & 34	JMS

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

PERRY NUCLEAR POWER PLANT UNITS 1 & 2

ELECTRICAL

UNDERGROUND DUCT RUNS

NOTES, LEGEND AND REFERENCES

GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS, READING PA.

DRAFTING: MADE MB 11-19-76; CHECKED LME 12-1-76; APPROVAL [illegible] 12-1-76

ENGINEER APPROVALS: ARCHITECTURAL N/A; CIVIL N/A; STRUCTURAL [illegible] 9-1-77; ELECTRICAL JMS [illegible]; MECHANICAL N/A; ENVIRONMENTAL N/A; NUCLEAR N/A

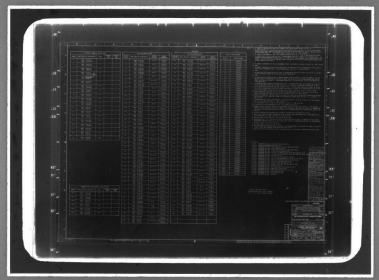
SCALE NONE | W.O. 044549-000 | 04 | 4549 | DRAWING NUMBER D-216-001 | REV D

UGND. DUCT RUNS NOTES LEGEND & REF.

¼" = 1'-0" 0' 5' 10' 15' 20'

GAI 1003-D

8104100582



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