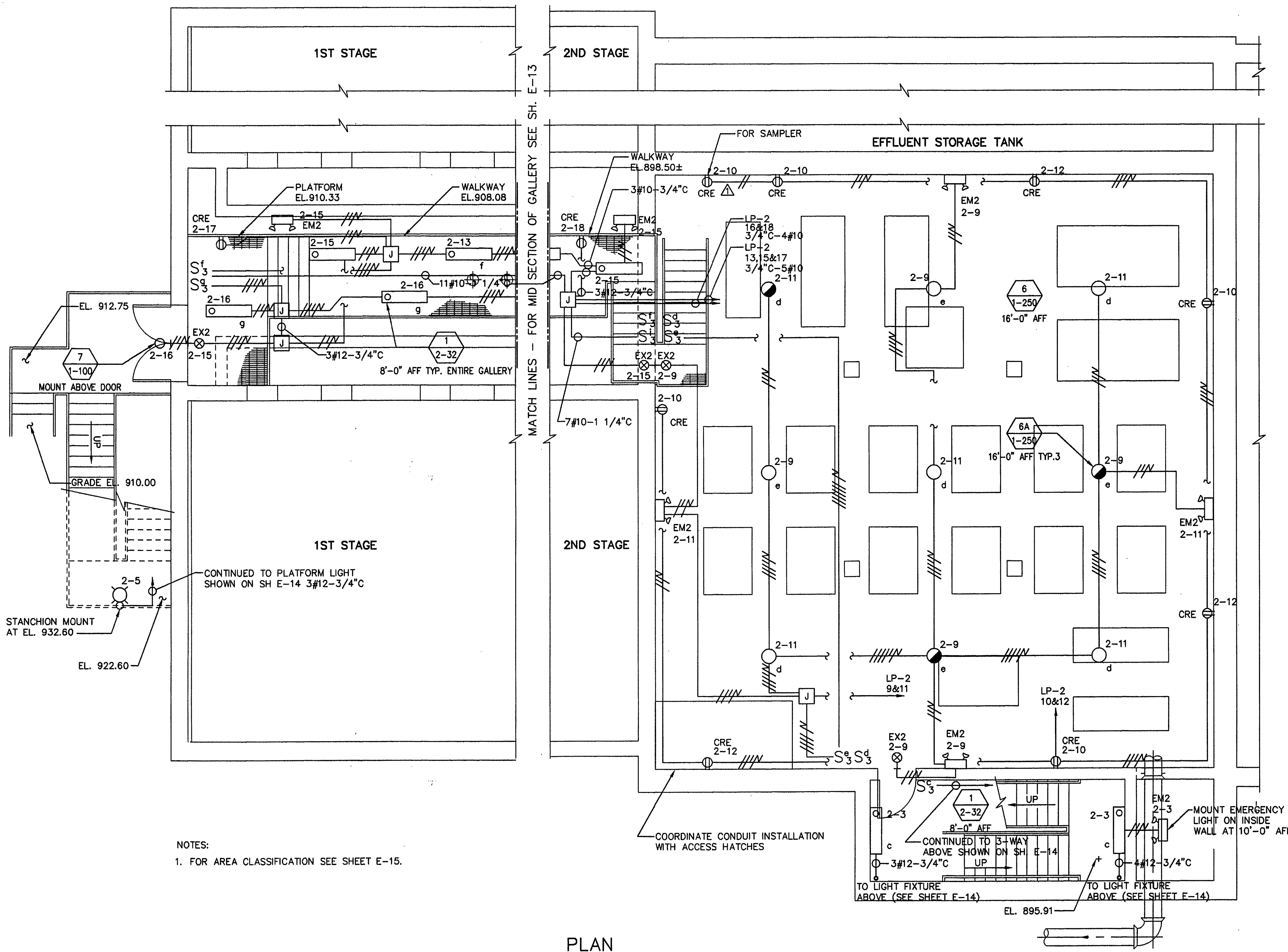


LIGHTING FIXTURE SCHEDULE				
TYPE	MFG. & CATALOG NO.	MOUNTING	LAMPS	REMARKS
1	KEENE LIGHTING PRODUCTS CLEANLIGHT SERIES OR EQUAL SWC240/120V/GWCP	SURFACE OR PENDANT	2/F32WTB	FLUORESCENT FIXTURE- CORROSION RESISTANT WATER TIGHT ENCLOSED AND GASKETED WITH 2-32 WATT LAMPS, 120V ELECTRONIC BALLAST, CLEAR ACRYLIC LENS AND POSITIVE LOCKING LATCHES.
1A	KEENE LIGHTING PRODUCTS CLEANLIGHT SERIES OR EQUAL SWC240/120V/CW/GWCP	SURFACE OR PENDANT	2/F32WTB	SAME AS TYPE 1 EXCEPT WITH COLD WEATHER BALLAST.
EX1	HOLOPHANE MEGELLAN NM SERIES OR EQUAL MN/SP/L/1/R/3/FL/T/W	PENDANT	RED L.E.D	EXIT SIGN- CORROSION RESISTANT NEMA 4X WATER TIGHT ENCLOSED AND GASKETED WITH RED L.E.D LAMPS, MAINTENANCE FREE SEALED LEAD CALCIUM BATTERY BACK UP, LOW VOLTAGE CUT OFF, TEST SWITCH AND L.E.D INDICATOR LIGHT, EMERGENCY FLASHER, CLEAR ACRYLIC LENS AND SUITABLE FOR 120V OPERATION.
EX2	HOLOPHANE MEGELLAN NM SERIES OR EQUAL MN/SP/L/1/R/3/FL/T/W	WALL	RED L.E.D	SAME AS TYPE EX1 EXCEPT WALL MOUNTED
EX	HOLOPHANE MEGELLAN ST SERIES OR EQUAL MAST/EL/1/1/R/W/BD/FL	WALL	RED L.E.D	EXIT SIGN- WITH RED L.E.D LAMPS, MAINTENANCE FREE SEALED LEAD CALCIUM BATTERY BACK UP LOW VOLTAGE CUT OFF, TEST SWITCH AND L.E.D INDICATOR LIGHT, BATTERY DIAGNOSTICS, EMERGENCY FLASHER AND SUITABLE FOR 120V OPERATION.
EM	HOLOPHANE CORTEZ A4 SERIES OR EQUAL C4CT/36/W/WB/2/BD	WALL	HALOGEN	EMERGENCY LIGHT- WITH TWO 12 WATT THERMO PLASTIC HEADS, MAINTENANCE FREE SEALED LEAD CALCIUM BATTERY, LOW VOLTAGE CUT OFF, 12 VOLT SOLID STATE CHARGER, TEST SWITCH, BATTERY DIAGNOSTICS, BROWN OUT PROTECTION, SUITABLE FOR 120V OPERATION.
EM2	HOLOPHANE DESOTO M60 SERIES OR EQUAL DM6/C/50/T/NX/2	WALL	HALOGEN	EMERGENCY LIGHT- WITH TWO 12 WATT THERMO PLASTIC HEADS, MAINTENANCE FREE SEALED LEAD CALCIUM BATTERY, LOW VOLTAGE CUT OFF, 12 VOLT SOLID STATE CHARGER, TEST SWITCH, BROWN OUT PROTECTION, ENCLOSED AND GASKETED NEMA 4X ENCLOSURE, SUITABLE FOR 120V OPERATION.
5	HOLOPHANE PETROLUX PETROLUX 2 SERIES OR EQUAL PTA/100MH/12/S/541	STANCHION	1/100WMH	HID LIGHT FIXTURE- HOUSING SHALL BE OF LOW COPPER ALUMINUM ALLOY PAINTED WITH WHITE POLYESTER POWDER PAINT, STAINLESS STEEL HARDWARE, BOROSILICATE GLASS REFRACTOR PRODUCING A LONG AND NARROW LIGHT DISTRIBUTION AND PROVIDING A TOTALLY ENCLOSED AND GASKETED OPTICAL ASSEMBLY. LUMINAIRE SHALL BE SUITABLE FOR WET LOCATIONS UTILIZING AN ENERGY EFFICIENT BALLAST, INTEGRAL PHOTO CELL AND SUITABLE FOR 120V OPERATION.
5A	HOLOPHANE PETROLUX 2 SERIES OR EQUAL PETL/100MH/12/545/W	WALL	1/100WMH	HID LIGHT FIXTURE- HOUSING SHALL BE OF LOW COPPER ALUMINUM ALLOY PAINTED WITH POLYESTER POWDER PAINT, WITH STAINLESS STEEL HARDWARE, BOROSILICATE GLASS REFRACTOR PRODUCING A SYMMETRICAL LIGHT DISTRIBUTION AND PROVIDING A TOTALLY ENCLOSED AND GASKETED OPTICAL ASSEMBLY. COMPLETE LUMINAIRE SHALL BE UL LISTED IN ACCORDANCE WITH UL 844 FOR USE IN CLASS 1 DIV. 2 HAZARDOUS AREAS AND SUITABLE FOR 120V OPERATION.
6	HOLOPHANE ENCLOSED PRISMALUME SERIES OR EQUAL EGP/25LMH/12/P/Z35/SMHLAMP	PENDANT	1/250W-MH	HID LIGHT FIXTURE- HOUSING SHALL BE OF CORROSION RESISTANT DIE CAST COPPER FREE ALUMINUM ALLOY PAINTED WITH WHITE POLYESTER POWDER PAINT, WITH STAINLESS STEEL HARDWARE, BOROSILICATE GLASS REFRACTOR PRODUCING A SYMMETRICAL LIGHT DISTRIBUTION WHILE PROVIDING A TOTALLY ENCLOSED AND GASKETED OPTICAL ASSEMBLY. LUMINAIRE SHALL BE SUITABLE FOR WET LOCATIONS AND SHALL UTILIZE AN ENERGY EFFICIENT 120 VOLT BALLAST.
6A	HOLOPHANE ENCLOSED PRISMALUME SERIES OR EQUAL EGP/25LMH/12/P/Z35/SMHLAMP-EM	PENDANT	1/250W-SMH	SAME AS TYPE 6 EXCEPT WITH QUARTZ STANDBY
7	HOLOPHANE WALLPACK SERIES OR EQUAL WL2KPR12/PA/100MH/12/BK/LAMP	WALL	1/100W-MH	HID LIGHT FIXTURE- HOUSING SHALL BE WEATHERPROOF CORROSION RESISTANT DIE CAST COPPER FREE ALUMINUM WITH BOROSILICATE PRISMATIC GLASS REFRACTOR, ENCLOSED AND GASKETED. LUMINAIRE SHALL BE SUITABLE FOR WET LOCATIONS. IT SHALL UTILIZE AN ENERGY EFFICIENT 120 VOLT BALLAST AND INTEGRAL PHOTO CELL.
8	HOLOPHANE POLE VECTOR SERIES OR EQUAL ALRT/20/J/1Y/HL2A/250MH/ 12/G/1/R/LAMP	POLE	1/250W-MH	HID LIGHT FIXTURE- HOUSING SHALL BE WEATHERPROOF, CORROSION RESISTANT, ENCLOSED AND GASKETED, POWDER PAINTED DIE CAST ALUMINUM WITH PRESSED BOROSILICATE PRISMATIC GLASS REFRACTOR HOUSED IN A HINGED DOOR WHICH WILL BE CLOSED AND FASTENED WITH AT LEAST TWO POSITIVE LOCKING LATCHES. ADJUSTABLE GALVANIZED 2" KNUCKLE MOUNT SUPPORTING THE HOUSING ASSEMBLY IN SUCH A MANNER THAT THE LUMINAIRE CAN BE EASILY AIMED AT ANY APPROPRIATE ANGLE. THE FIXTURE SHALL BE SUITABLE FOR WET LOCATIONS. SHALL UTILIZE AN ENERGY EFFICIENT 120V BALLAST AND TWIST LOCK PHOTOCONTROL.



NOTES:
1. FOR AREA CLASSIFICATION SEE SHEET E-15.

PLAN

**MALCOLM
PIRNIE**

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REVISIONS			
NO.	BY	DATE	REMARKS
1	ARB	JAN. 2000	RECORD DRAWING

DES --- KLL ---
OWN --- KLL ---
CKD --- TK ---



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
UPGRADE AND EXPANSION

BIOLOGICAL AERATED FILTERS
LOWER LEVEL LIGHTING PLAN

SCALE: 3/16"=1'-0"

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DATE --- MAY 1997 ---
E SHEET 12 OF 36 ---
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