EXHIBIT G

LIGHTING PLAN

EXHIBIT G

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING
	POLE LIGHT FIXTURE (ARROW INDICATES DIRECTION OF AIMING FOR OPTICS)
	EQUIPMENT AND WIRING
	CONDUIT STUB OUT (PROVIDE CONCRETE MARKER ON EXTERIOR)
	DEDICATED CONDUIT HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS
	RACEWAY CONCEALED IN WALL OR CEILING
	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB
	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE
	GROUNDING CONDUCTOR
	FLEXIBLE CONDUIT
	GROUNDING SYSTEM PER CODE
J	JUNCTION BOX - SIZE PER CODE
	120/208 VOLT PANELBOARD (OR AT RATED VOLTAGE AS NOTED)
	277/480 VOLT PANELBOARD (OR AT RATED VOLTAGE AS NOTED)
	EXISTING PANEL TO REMAIN
T	TRANSFORMER
	MISC.
1	CONSTRUCTION NOTES
W	W INDICATES WEATHERPROOF FOR ALL DEVICES, PROVIDE LOCKING COVER ON RECEPTACLES.

ELECTRICAL GENERAL NOTES (APPLIES TO ALL DRAWINGS)

1. MATERIALS AND WORKMAN SHIP SHALL FULLY COMPLY WITH THE REQUIREMENT OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.F.P.A. #70), THE LAWS AND REGULATION OF WASHINGTON STATE, AND THE CITY OF OLYMPIA. ALL WORK AND MATERIAL TO BUILDING STANDARDS AND CODE UNLESS NOTED OTHERWISE.
2. MAINTAIN CONTINUITY AND OPERATION OF ALL EXISTING BUILDING POWER, LIGHTING, AND LOW VOLTAGE SYSTEMS DURING CONSTRUCTION. PROVIDE JUNCTION BOXES, CONDUIT AND WIRE TO EXTEND EXISTING CIRCUITS AS REQUIRED.
3. ELECTRICAL CONTRACTOR TO REPAIR ANY DAMAGE DONE DURING CONSTRUCTION.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR ALL CUTTING, PATCHING AND FINISH WORK.
5. THE SITE LIGHTING WILL BE A COMBINATION OF BUILDING MOUNTED AND LIGHT POLE LED LIGHT. WHERE POSSIBLE, CANOPY MOUNTED AND EXTERIOR WALL MOUNTED LED LIGHT FIXTURES WILL BE UTILIZED TO SUPPLEMENT AND PROVIDE ILLUMINATION AROUND THE BUILDING PERIMETER AND MAIN ENTRANCES.
6. ALL EXTERIOR LIGHTING WILL BE DARK-SKY COMPLIANT, FULL-CUTOFF OPTICS.
7. ALL LIGHT POLE FIXTURES ALONG THE PROPERTY LINES WILL BE PROVIDED WITH BACKLIGHT CONTROLS WITH EXTERNAL HOUSESIDE SHIELDS AS REQUIRED TO MEET THE LIGHTING TRESPASS REQUIREMENTS TO THE ADJACENT RESIDENTIAL PROPERTIES.
8. ALL EXTERIOR LIGHTING WILL BE PROGRAMMED AND CONTROLLED BY AN ASTRONOMIC TIMECLOCK. EACH EXTERIOR LIGHT FIXTURE WILL BE PROVIDED WITH INTEGRAL MOTION SENSOR TO MEET THE WASHINGTON STATE ENERGY CODE REQUIREMENT.

LIGHTING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER/MODEL #	LAMPS LUMENS	V	W	MOUNTING & REMARKS
AL1	20' DOUBLE HEAD LIGHT POLE FIXTURE WITH TYPE III DISTRIBUTION	MCGRAW-EDISON# GLEON-SA3C-740-U-T3-XX-WLS4XX POLE: SSS-6-M-27-S-Y-XX-1-X	LED (2)21,598	277	332	PROVIDE 17' SQUARE STRAIGHT, STEEL POLE TO MATCH HEAD. PROVIDE WITH 36" TALL CONCRETE BASE, SEE SHEET E5.01. PROVIDE WITH INTEGRAL WIRELESS OCCUPANCY SENSOR TO AUTOMATTICALLY SHUT-OFF 50% OF THE RATED LUMEN OUTPUT.
AL2	20' SINGLE HEAD LIGHT POLE FIXTURE WITH TYPE IV W/SPILL CONTROL AND INSTALLED HOUSE SIDE SHIELD	MCGRAW-EDISON# GLEON-SA3C-740-U-SL4-XX-HSS-WLS4XX POLE: SSS-6-M-27-S-Y-XX-1-X	LED 20,519	277	166	PROVIDE 17' SQUARE STRAIGHT, STEEL POLE TO MATCH HEAD. PROVIDE WITH 36" TALL CONCRETE BASE, SEE SHEET E5.01. PROVIDE WITH INTEGRAL WIRELESS OCCUPANCY SENSOR TO AUTOMATTICALLY SHUT-OFF 50% OF THE RATED LUMEN OUTPUT.
AL3	20' SINGLE HEAD LIGHT POLE FIXTURE WITH TYPE V SQUARE WIDE	MCGRAW-EDISON# GLEON-SA3C-740-U-5WQ-XX-WLS4XX POLE: SSS-6-M-27-S-Y-XX-1-X	LED 22,744	277	166	PROVIDE 17' SQUARE STRAIGHT, STEEL POLE TO MATCH HEAD. PROVIDE WITH 36" TALL CONCRETE BASE, SEE SHEET E5.01. PROVIDE WITH INTEGRAL WIRELESS OCCUPANCY SENSOR TO AUTOMATTICALLY SHUT-OFF 50% OF THE RATED LUMEN OUTPUT.
AL4	20' SINGLE HEAD LIGHT POLE FIXTURE WITH TYPE III W/SPILL CONTROL AND INSTALLED HOUSE SIDE SHIELD	MCGRAW-EDISON# GLEON-SA3C-740-U-SL3-XX-HSS-WLS4XX POLE: SSS-6-M-27-S-Y-XX-1-X	LED 21,596	277	166	PROVIDE 17' SQUARE STRAIGHT, STEEL POLE TO MATCH HEAD. PROVIDE WITH 36" TALL CONCRETE BASE, SEE SHEET E5.01. PROVIDE WITH INTEGRAL WIRELESS OCCUPANCY SENSOR TO AUTOMATTICALLY SHUT-OFF 50% OF THE RATED LUMEN OUTPUT.
AL5	20' DOUBLE HEAD LIGHT POLE FIXTURE WITH TYPE II DISTRIBUTION	MCGRAW-EDISON# GLEON-SA2B-740-U-T2-XX-WLS4XX POLE: SSS-6-M-27-S-Y-XX-1-X	LED (2)11,474	277	170	PROVIDE 17' SQUARE STRAIGHT, STEEL POLE TO MATCH HEAD. PROVIDE WITH 36" TALL CONCRETE BASE, SEE SHEET E5.01. PROVIDE WITH INTEGRAL WIRELESS OCCUPANCY SENSOR TO AUTOMATTICALLY SHUT-OFF 50% OF THE RATED LUMEN OUTPUT.
WL1	EXTERIOR WALL PACK LED FIXTURE WITH TYPE 2 DISTRIBUTION	MCGRAW-EDISON# GWC-SA2B-740-U-T2-XX-WLS4XX	LED 11,703	277	86	PROVIDE WITH INTEGRAL WIRELESS OCCUPANCY SENSOR TO AUTOMATTICALLY SHUT-OFF 50% OF THE RATED LUMEN OUTPUT.

LIGHTING FIXTURE SCHEDULE NOTES

1. FIXTURE TYPES LISTED ARE TO INDICATE THE TYPE OF STYLE, LAMPING CHARACTERISTICS AND MOUNTING REQUIRED TO FACILITATE THIS DESIGN. OTHER FIXTURE MANUFACTURERS MEETING THE LIGHT FIXTURE TYPE CRITERIA ARE ACCEPTABLE.
2. FOR ALL LIGHTING CONTROLS THAT INCLUDE DAYLIGHT HARVESTING SENSOR, OCCUPANT AND VACANCY SENSOR, AUTOMATIC TIME SWITCHES, AND CONTROLLED RECEPTACLE OUTLET SHALL COMPLY WITH 2018 WASHINGTON STATE ENERGY CODE COMMISSIONING AND DOCUMENTATION REQUIREMENTS PER C103,C405 AND C408. A COMPLETE REPORT OF TEST PROCEDURES RESULTS SHALL BE PREPARED BY THE PROJECT COMMISSIONING AGENT OR ELECTRICAL CONTRACTOR AND FILED WITH THE OWNER.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE FINISHED COLORS WITH ARCHITECT AND THE OWNER.
2. COORDINATE TIMECLOCK SCHEDULE WITH THE OWNER'S OPERATION HOURS.
3. ALL INTERIOR AND EXTERIOR LIGHTING SHALL BE PROVIDED WITH 0-10V DIMMING OPTION.

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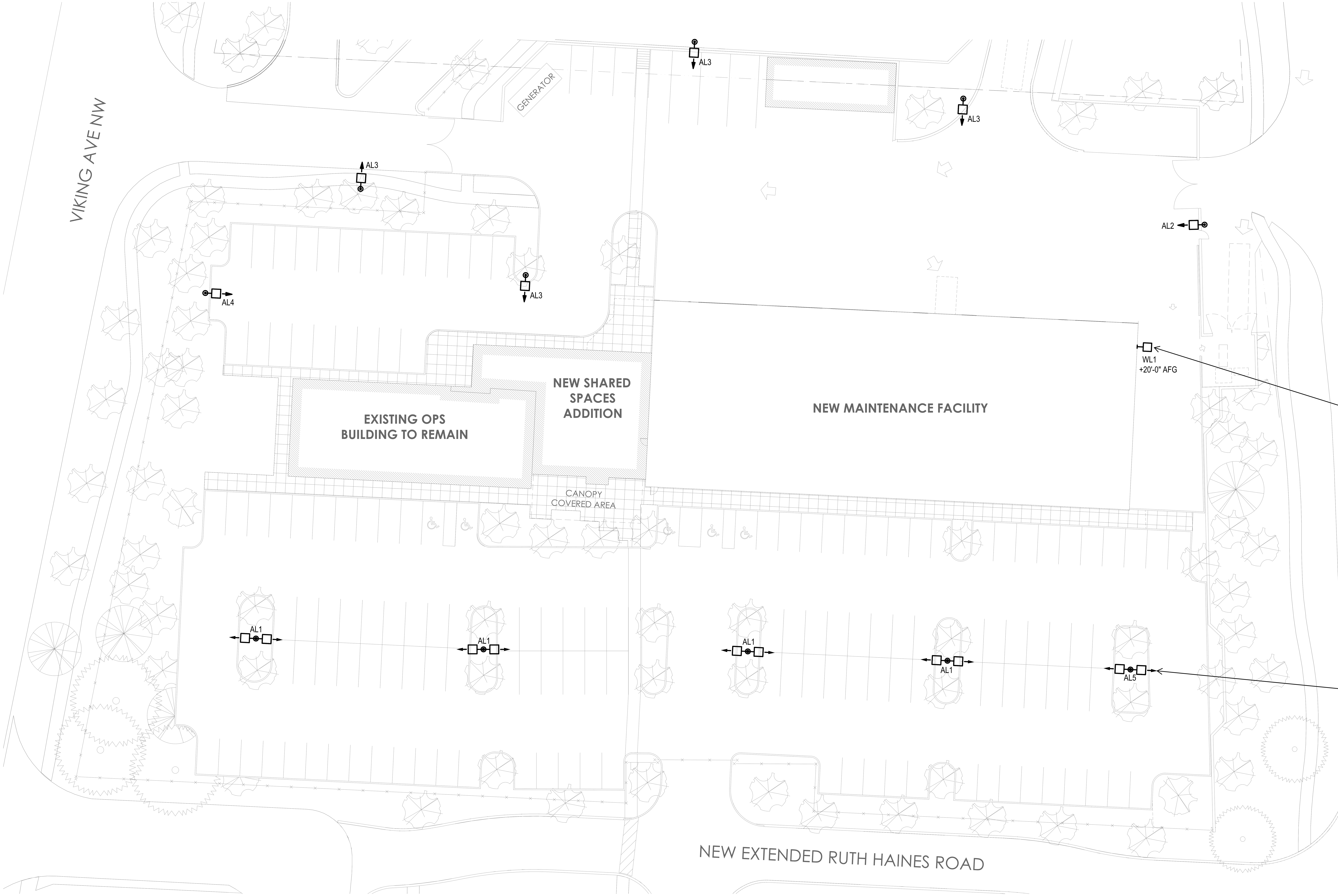
EXHIBIT G



SITE LIGHTING AND CONTROLS DESIGN NOTES

- THE SITE LIGHTING WILL BE A COMBINATION OF BUILDING MOUNTED AND LIGHT POLE LED LIGHT. WHERE POSSIBLE, CANOPY MOUNTED AND EXTERIOR WALL MOUNTED LED LIGHT FIXTURES WILL BE UTILIZED TO SUPPLEMENT AND PROVIDE ILLUMINATION AROUND THE BUILDING PERIMETER AND MAIN ENTRANCES.
- ALL EXTERIOR LIGHTING WILL BE DARK-SKY COMPLIANT, FULL-CUTOFF OPTICS.
- ALL LIGHT POLE FIXTURES ALONG THE PROPERTY LINES WILL BE PROVIDED WITH BACKLIGHT CONTROLS WITH EXTERNAL HOUSESIDE SHIELDS AS REQUIRED TO MEET THE LIGHTING TRESPASS REQUIREMENTS TO THE ADJACENT RESIDENTIAL PROPERTIES.
- ALL EXTERIOR LIGHTING WILL BE PROGRAMMED AND CONTROLLED BY AN ASTRONOMIC TIMECLOCK. EACH EXTERIOR LIGHT FIXTURE WILL BE PROVIDED WITH INTEGRAL MOTION SENSOR TO MEET THE WASHINGTON STATE ENERGY CODE REQUIREMENT.

EXTERIOR WALL MOUNT - WL1

(TYPICAL) 20' LIGHT POLE - PL1, PL2 , PL3 ,PL4, PL5

1 ELECTRICAL SITE PLAN
1" = 20'-0"

NORTH
0 10' 20' 40'
SCALE: 1" = 20'-0"

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ELECTRICAL SITE PLAN

E1.01

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1 ELECTRICAL SITE PLAN - PHOTOMETRIC
1" = 20'-0"

NORTH
0 10' 20' 40'
SCALE: 1" = 20'-0"

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Connecting Communities

TCF Architecture

WSP

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ELECTRICAL SITE PLAN - PHOTOMETRIC

E1.02

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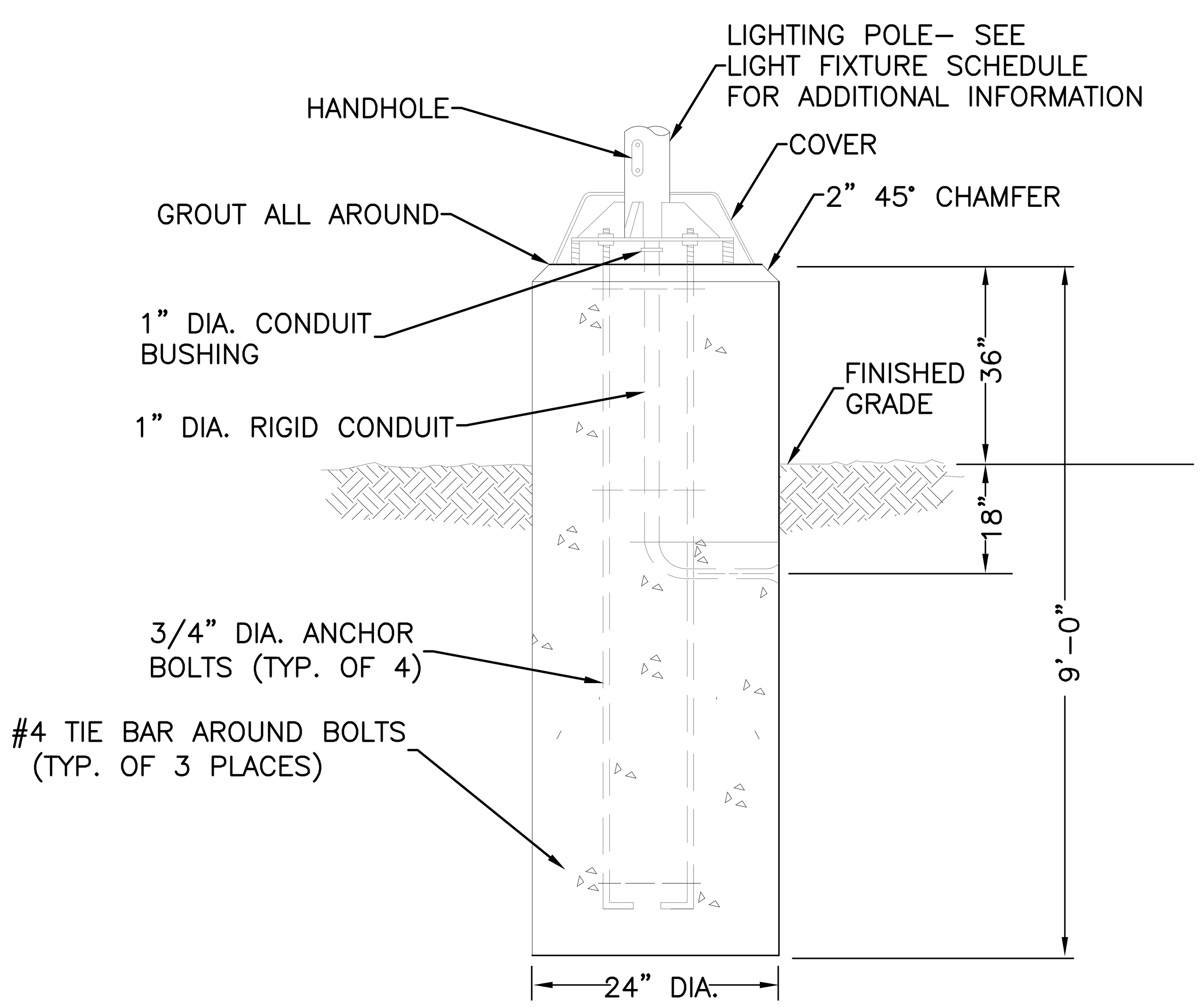
GENERAL NOTES

1. FOR ALL LIGHTING CONTROLS WITH INCLUDE DAYLIGHT OR OCCUPANT SENSING AUTOMATIC CONTROLS, AUTOMATIC SHUT-OFF CONTROLS, OCCUPANCY SENSORS, OR AUTOMATIC TIME SWITCHES, AND THE LIGHT CONTROLS SHALL COMPLY WITH WASHINGTON STATE ENERGY CODE TESTING AND DOCUMENTATION REQUIREMENTS PER C408.3 OF WASHINGTON STATE ENERGY CODE. A COMPLETE REPORT OF TEST PROCEDURES RESULTS SHALL BE PREPARED BY THE PROJECT COMMISSIONING AGENT OR ELECTRICAL CONTRACTOR AND FILED WITH THE OWNER.
2. COORDINATE TIMECLOCK SCHEDULE WITH THE OWNER'S OPERATION HOURS.
3. * PROVIDE UL924 RELAY TO OVERRIDE "ON"UPON LOSS OF NORMAL POWER.

POLE BASE NOTE:
FOR PRECAST POLE BASE, ELECTRICAL CONTRACTOR SHALL COORDINATE BACKFILL REQUIREMENTS WITH THE STRUCTURAL ENGINEERS.



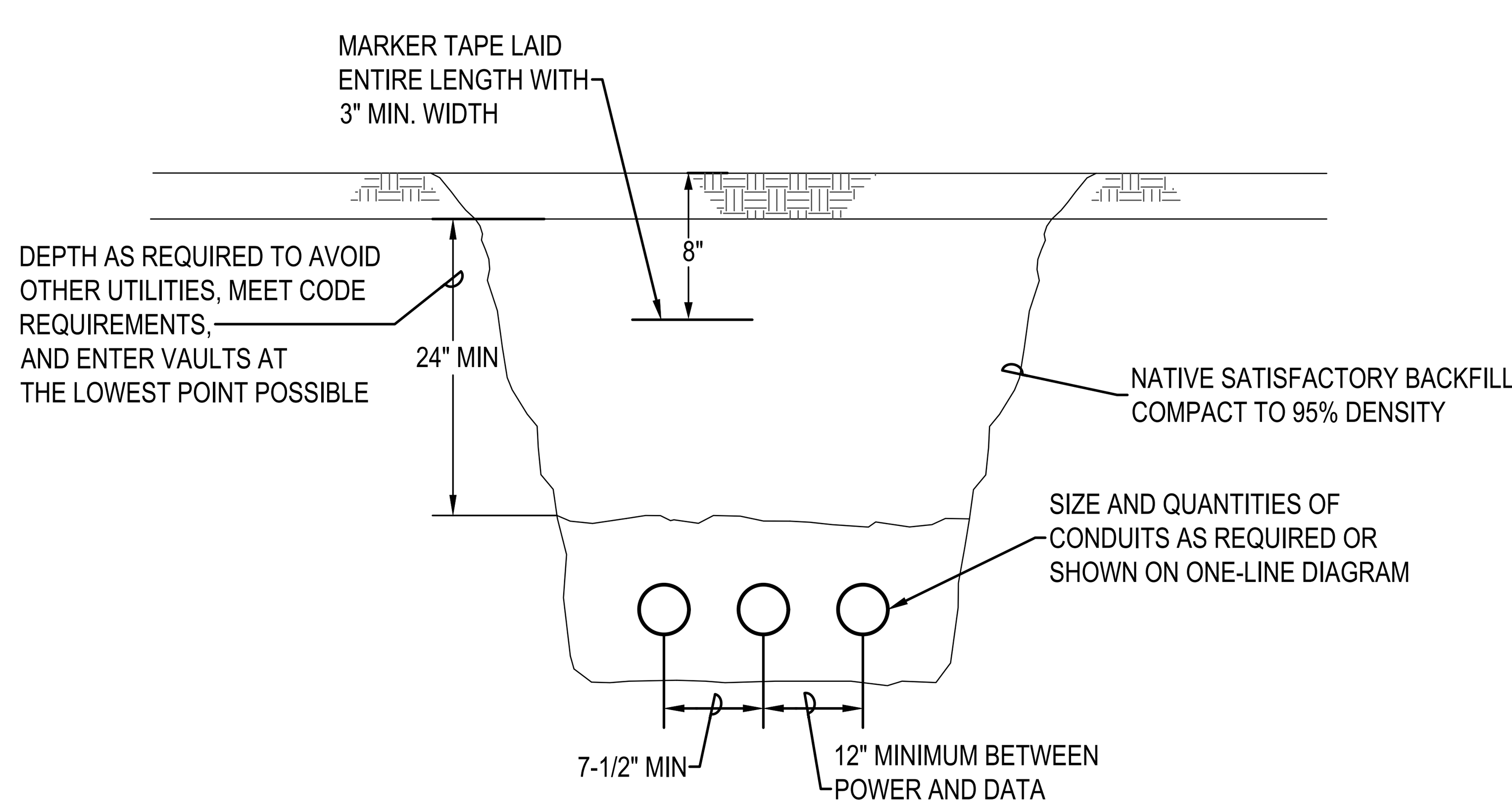
1 POLE BASE DETAIL - AL1, AL2, AL3, AL4 & AL5
NOT TO SCALE

PROVIDE WIRING BARRIER BETWEEN EMERGENCY AND NORMAL CIRCUITS

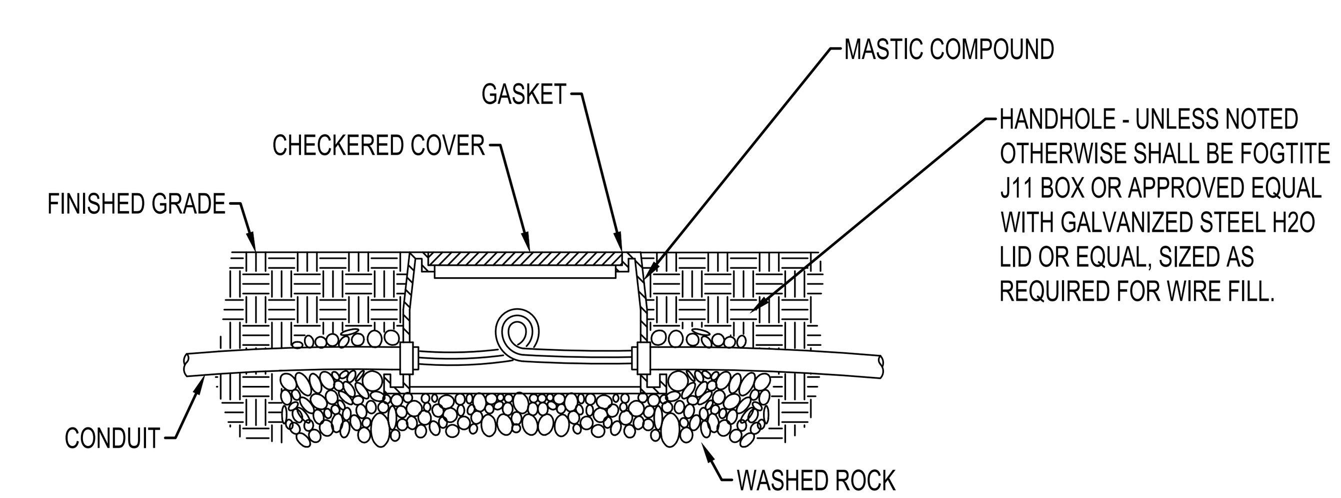
TIMECLOCK LIGHTING CONTROL PANEL 'LCP' (12-RELAYS)

	CONTROL				CONTROL
RELAY#	PANEL	CIRCUIT#	SWITCH CONTROL	CONTROL	
r1				TIMECLOCK	BUILDING PERIMETER
r2				TIMECLOCK	SITE POLE LIGHTING - PARKING AREA(WEST)
r3				TIMECLOCK	SITE POLE LIGHTING - PARKING AREA(SOUTH)
r4					SPARE
r5					SPARE
r6					SPARE
r7					SPARE
r8					SPARE
r9					SPARE
*r10				TIMECLOCK	EMERGENCY BUILDING EXTERIOR
*r11					SPARE
*r12					SPARE

4 LIGHTING CONTROL PANEL "LCP" SCHEDULE
NOT TO SCALE



2 TRENCH DETAIL
NOT TO SCALE



3 HANDHOLE/PULLBOX INSTALLATION DETAIL
NOT TO SCALE

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wsp

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ELECTRICAL DETAILS

E5.01

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