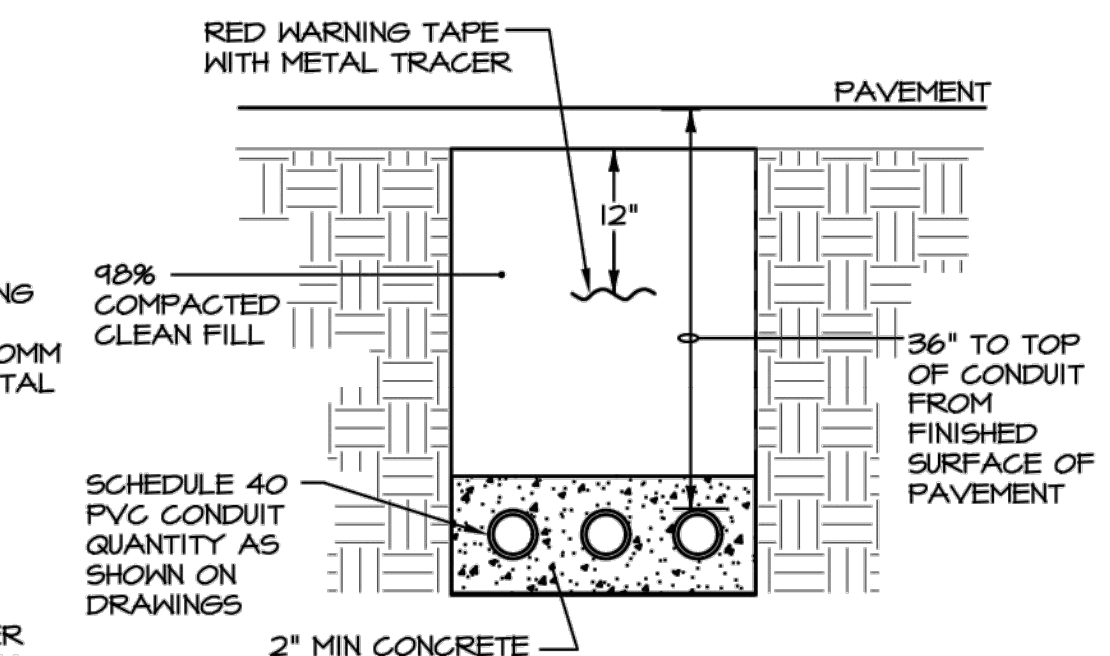


**LIGHTING POLE BASE DETAIL**  
NO SCALE

NOTE: POSITION EDGE OF BASE 24" MINIMUM FROM ADJACENT CURB. BASE IS OVER-SIZED TO RESIST HEAVY TRAFFIC AND SNOW FLOWS.



**UNDERGROUND CONDUIT DETAIL**  
NO SCALE

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**ELECTRICAL SITE PLAN**  
SCALE: 1" = 20'-0"

**PLAN NOTES**

- UNDERGROUND CONDUIT FEEDS TO BUS CHARGING PEDESTALS #1 AND #2 FROM CHARGER ROOM. SEE POWER PLAN AND ONE LINE DIAGRAM FOR CONDUIT AND WIRE SIZES.
- 2" U.S. PVC W/ INDIVIDUAL CAT 6 OUTDOOR RATED TWISTED/SHIELDED PAIR ETHERNET PoE WIRE FROM EACH CAMERA TO IT ROOM. TYPICAL TO ALL NEW CAMERAS.
- 2-10 AWG & 1-10 AWG GND IN 1" U.S. PVC CONDUIT TO ALL OUTDOOR LIGHT POLE LOCATIONS. RUN TO BRANCH CIRCUIT THROUGH LIGHTING CONTROL PANEL INDICATED.
- 2-10 AWG & 1-10 AWG GND IN 1" U.S. PVC CONDUIT PLUS ONE (1) CAT 6 OUTDOOR RATED TWISTED/SHIELDED PAIR ETHERNET CABLE 1" U.S. PVC CONDUIT TO IT ROOM FOR BLUE EMERGENCY PHONE CONNECTION.
- EXISTING OUTDOOR ELECTRIC SERVICE CABINET, PANEL AND UTILITY METER TO BE REMOVED WITH ALL ASSOCIATED UNDERGROUND WIRING, LIGHT POLES AND BASES.
- NEW PRIMARY POWER DROP FROM EXISTING UTILITY POLE TO BE COORDINATED WITH UTILITY COMPANY. EC TO PROVIDE ALL ASSOCIATED HARDWARE NECESSARY FOR NEW UTILITY SERVICE. SECURE AND PAY FOR ALL SERVICE FEES AND PERMIT.
- 1" UNDERGROUND CONDUIT WITH 4-10 AWG AND 1-10 AWG GROUND FOR BENCH LIGHTING AND POWER. BENCH SUPPLIER TO PROVIDE LIGHT AND RECEPTACLE IN BENCH. WIRE LIGHTING THROUGH RELAY PANEL.

**GENERAL NOTES**

- EXACT UNDERGROUND CONDUIT ROUTINGS TO BE DETERMINED IN THE FIELD AND TO BE COORDINATED WITH OTHER UTILITIES.
- ALL EXISTING ELECTRICAL EQUIPMENT, ELECTRICAL SERVICES AND LIGHT POLES INCLUDING BASES SHALL BE REMOVED WITH ASSOCIATED UNDERGROUND BRANCH CIRCUIT CONDUIT AND WIRE.
- COORDINATE THE INSTALLATION OF ALL NEW LIGHT POLES AND BASES WITH SITE CIVIL CONTRACTOR. ALL UNDERGROUND WORK SHALL BE INSTALLED PRIOR TO PAVING. NO SPLICING OR PATCHING AS A RESULT OF IMPROPER COORDINATION IS PERMITTED.
- ALL U.S. CONDUIT TO BE BURIED A MINIMUM OF 36" UNDER DRIVES AND ROADWAYS.

**SITE LUMINAIRE SCHEDULE**

TYPE	LUMINAIRE WATTS	VOLTS	LAMP TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	REMARKS
SA1	100	277	LED 4000K 15,000 LUMENS	SITE LED POLE MOUNTED AREA FIXTURE WITH TYPE IV DISTRIBUTION WITH BACKLIGHT CONTROL. 18"-0" ALUMINUM ROUND TAPERED POLE. BRONZE FINISHES. SEE GENERAL NOTE D.	18' POLE WITH 24" BASE	HUBBELL OUTDOOR LIGHTING	RAR2-320L-110-4K7-4W-UNV-A-DB-7PR-BC	EQUALS BY COOPER, LITHONIA
SA2	307	277	LED 4000K 42,000 LUMENS	SAME AS TYPE 'SA1' EXCEPT WITH HIGHER LUMEN PACKAGE. 2 HEADS AT 180 DEGREES AND WITHOUT BACKLIGHT CONTROL. SEE GENERAL NOTE D.	18' POLE WITH 24" BASE	HUBBELL OUTDOOR LIGHTING	RAR2-320L-165-4K7-4W-UNV-A-DB-7PR	EQUALS BY COOPER, LITHONIA

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SHEET	42
OF	49



**ELECTRICAL SITE PLAN**