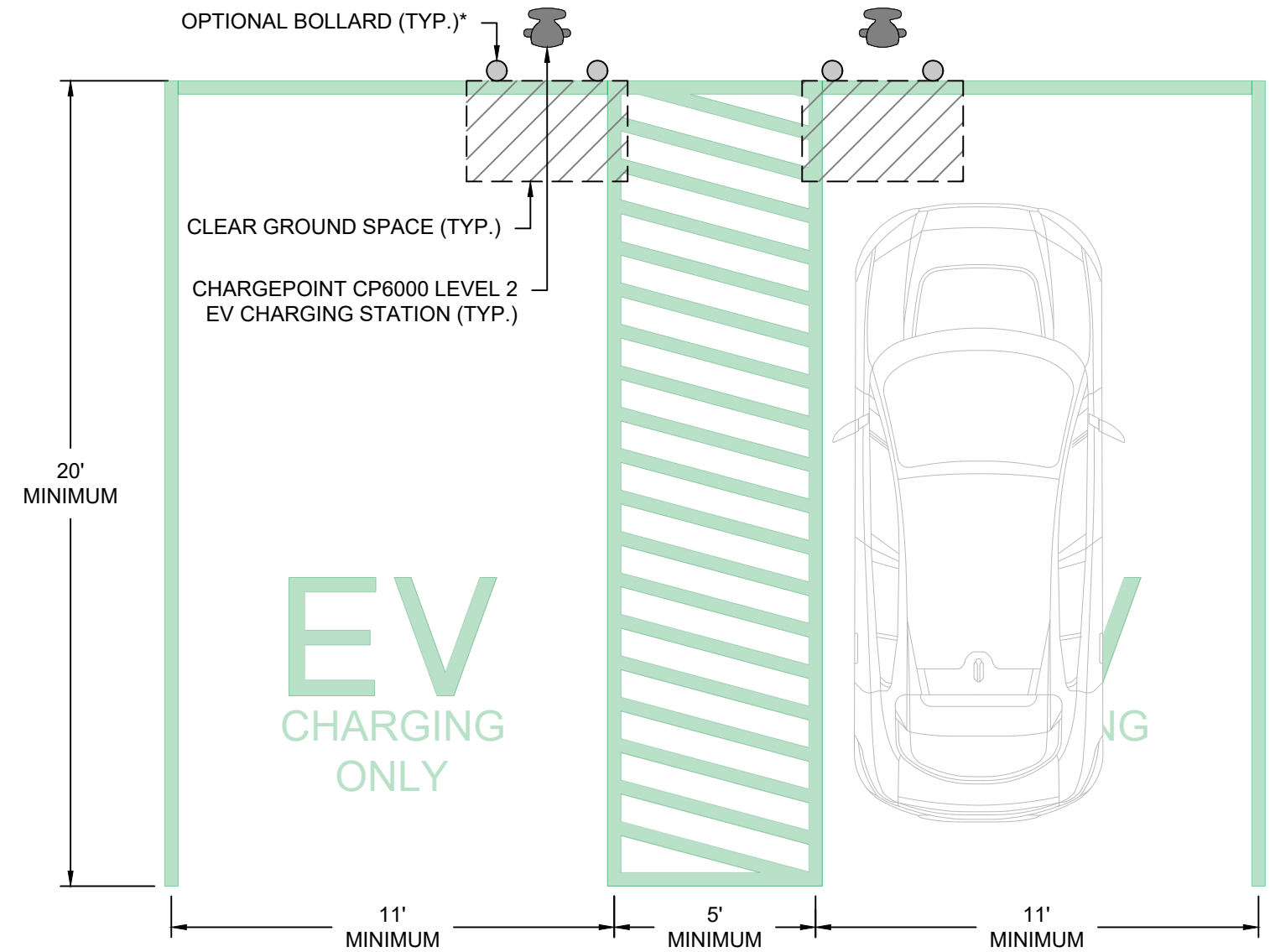


CHARGING SPACE LAYOUT CONSIDERATIONS

DIMENSIONS

SCALE: 1/4" = 1'

ELECTRIC VEHICLE (EV) CHARGING SPACES DESIGNED FOR DRIVERS WITH LIMITED MOBILITY SHOULD MEASURE 11' (132") WIDE BY 20' (240") LONG AT A MINIMUM TO PROVIDE ENOUGH SPACE TO ACCESS THE CHARGING STATION AND PLUG THE CHARGER'S CONNECTOR INTO THE VEHICLE'S CHARGING INLET. ADDITIONAL SPACE MAY BE NEEDED FOR LARGER VEHICLES, SUCH AS ELECTRIC TRUCKS.

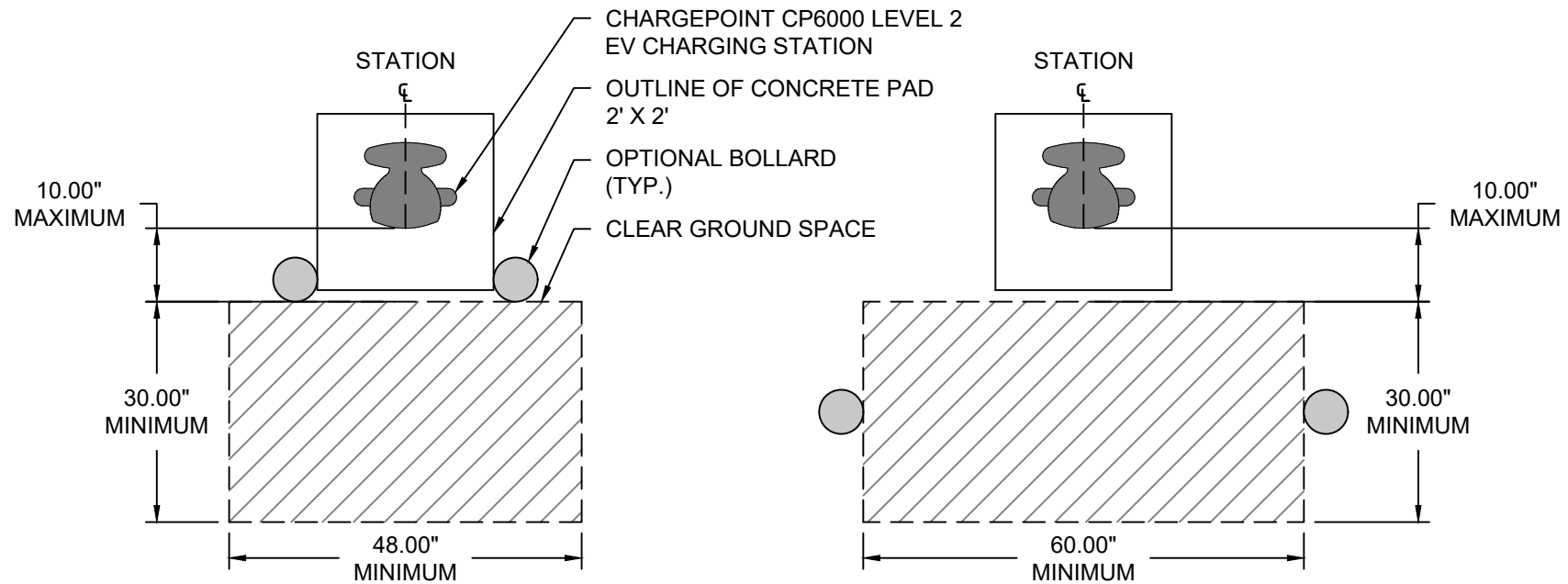


NOTE: MINIMUM DIMENSIONS SHOWN ARE RECOMMENDATIONS BASED ON INFORMATION PROVIDED BY THE U.S. ACCESS BOARD AND MAY NOT BE FEASIBLE FOR ALL PROJECTS. FOLLOW THE HYPERLINK TO THE U.S. ACCESS BOARD'S DOCUMENTATION IN THE REFERENCES SECTION OF THIS DOCUMENT.

CLEAR GROUND SPACE & UNOBSTRUCTED SIDE REACH

SCALE: 1/2" = 1'

CLEAR GROUND SPACE, CENTERED ON THE CHARGEPOINT EV CHARGING STATION, MUST BE PROVIDED TO ALLOW ACCESSIBILITY FOR PEOPLE WHO USE MOBILITY AIDS (E.G., WALKERS, WHEELCHAIRS, ETC.). THE CLEAR GROUND SPACE MUST BE LOCATED ON AN ACCESSIBLE ROUTE AND MAY BE LOCATED WITHIN THE BOUNDARIES OF THE ACCESSIBLE CHARGING SPACE.



STANDARD CLEAR GROUND SPACE **CONFINED CLEAR GROUND SPACE**

AT A MINIMUM, THE CLEAR GROUND SPACE SHOULD BE 30" X 48" AND POSITIONED FOR A PARALLEL APPROACH TO THE CHARGING STATION. THE BOUNDARY OF THE CLEAR GROUND SPACE SHOULD BEGIN NO FURTHER THAN 10" FROM THE FRONT OF THE CHARGEPOINT EV CHARGING STATION TO PROVIDE AN UNOBSTRUCTED SIDE REACH TO THE STATION'S OPERABLE PARTS.

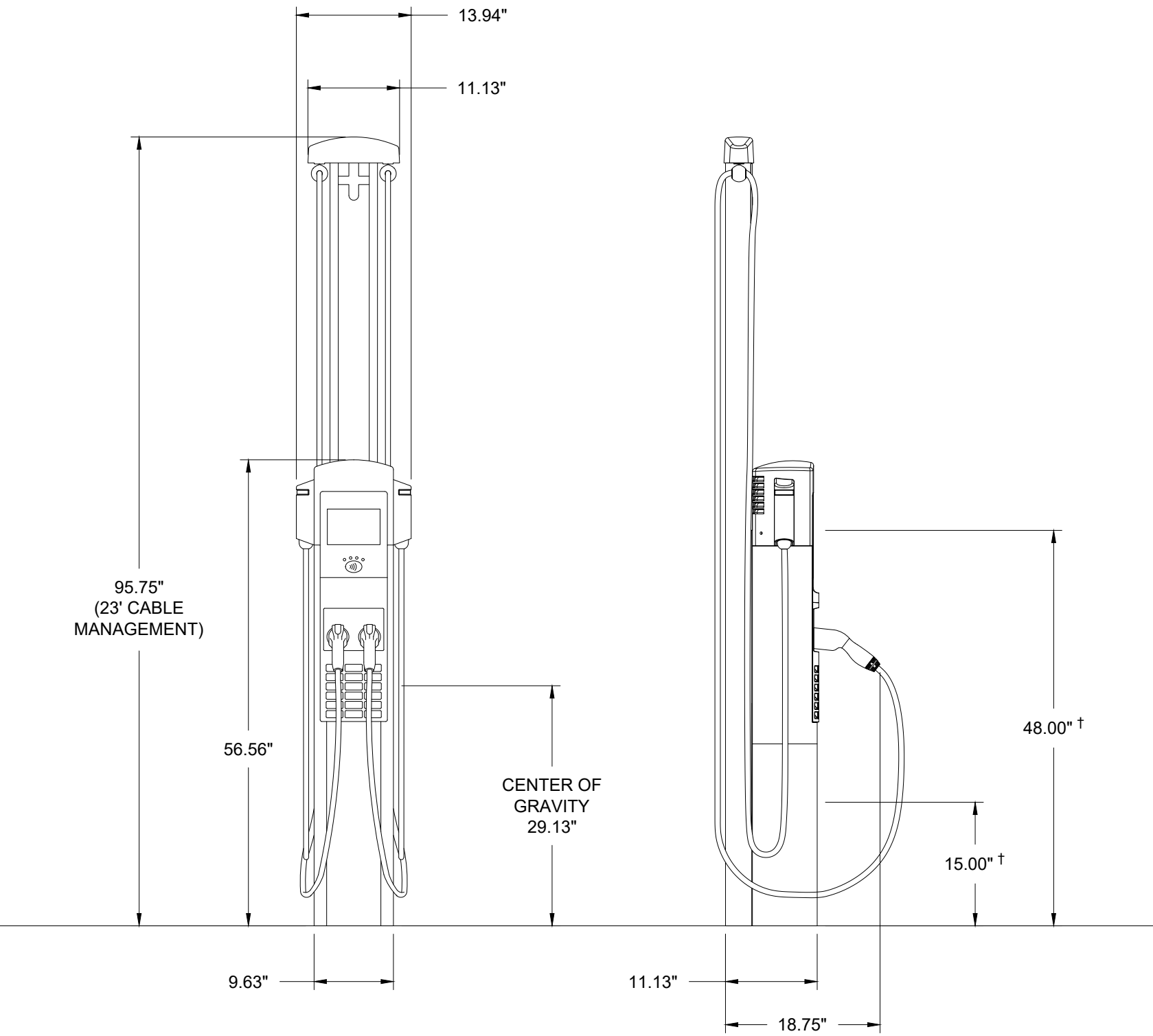
IF THE DESIGNATED CLEAR GROUND SPACE IS CONFINED ON THREE SIDES AND OBSTRUCTED FOR MORE THAN HALF THE DEPTH, ADDITIONAL SPACE IS REQUIRED - 30" X 60" MINIMUM.

* CHARGEPOINT RECOMMENDS USING CONCRETE ENCASED, STEEL REINFORCED BOLLARDS, WHICH PROVIDE BETTER PROTECTION FOR CHARGING STATIONS COMPARED WITH BOLT-DOWN OR SIMILAR BOLLARDS. WHEEL STOPS SHOULD NOT BE USED FOR ACCESSIBLE CHARGING SPACES, AS THEY MAY IMPEDE THE ACCESSIBLE PATH USED BY DRIVERS WITH MOBILITY LIMITATIONS.

STATION ELEVATIONS

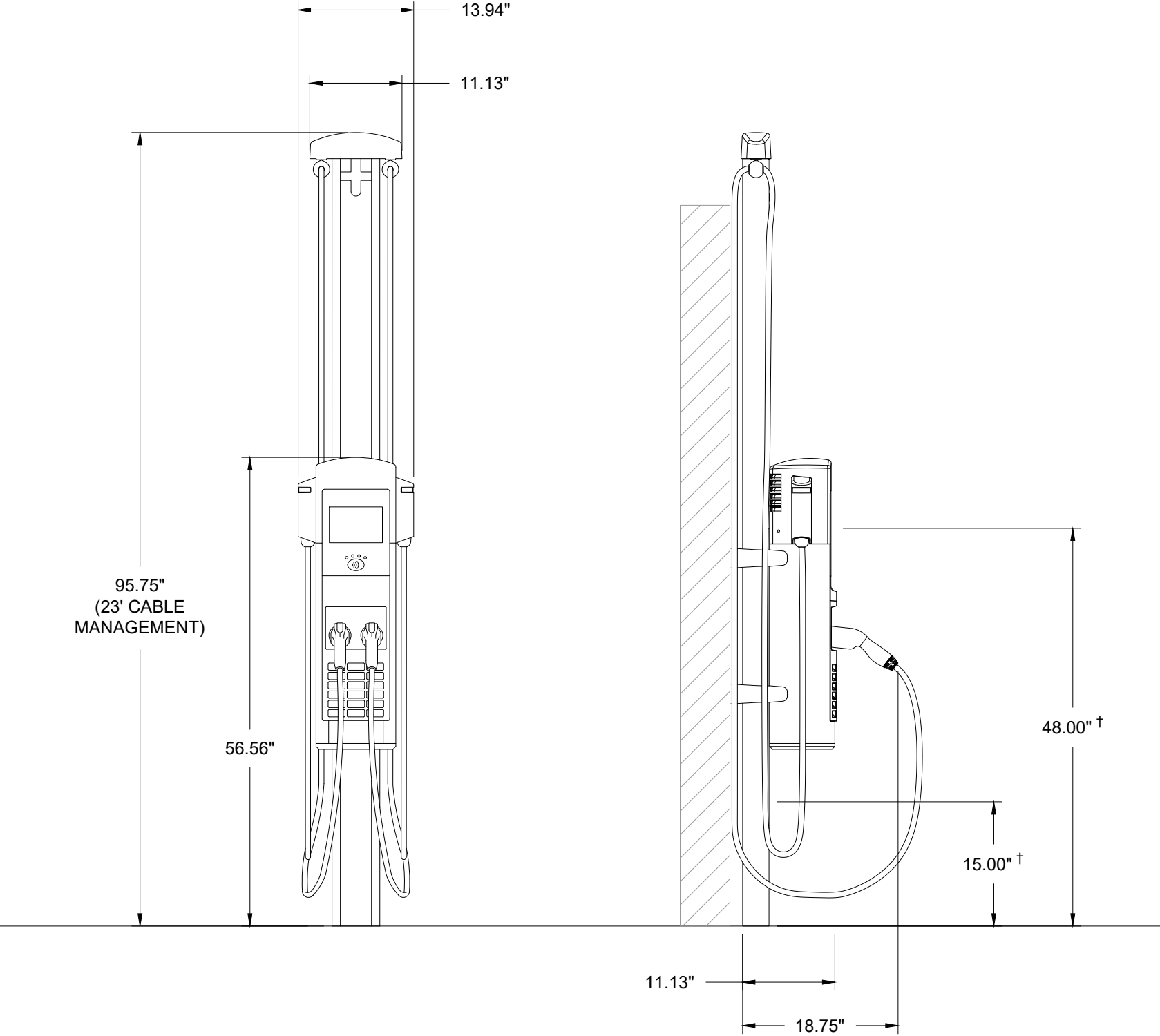
PEDESTAL MOUNT

SCALE: 3/4" = 1'



WALL MOUNT

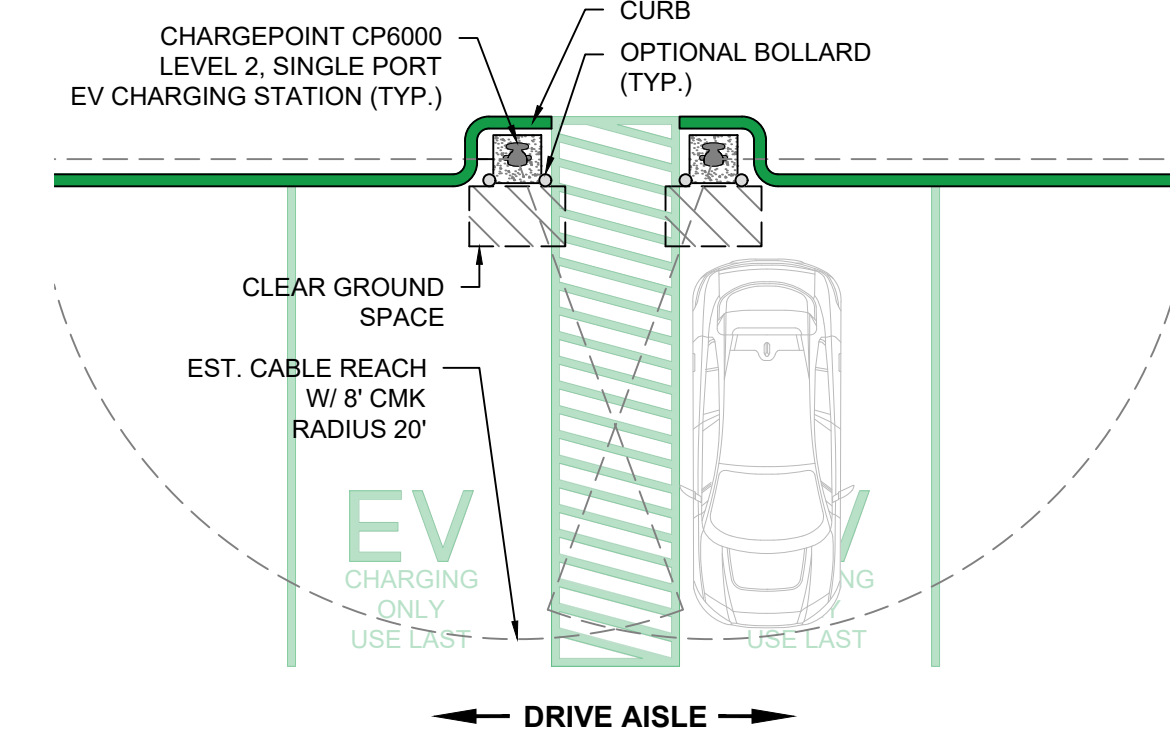
SCALE: 3/4" = 1'



† DO NOT INSTALL THE STATION ON A RAISED CONCRETE PAD OR CURB FOR CHARGING SPACES RESERVED FOR PEOPLE WITH LIMITED MOBILITY. WHEN INSTALLED ON THE SAME PLANE AS THE CHARGING SPACE IT SERVES, THE STATION MEETS ADA REQUIREMENTS FOR AN UNOBSTRUCTED SIDE REACH (I.E., OPERABLE PARTS OF THE STATION, SUCH AS CONNECTORS AND THE PORTIONS OF THE DISPLAY THAT REQUIRE TOUCH INPUT, ARE NO HIGHER THAN 48\"/>

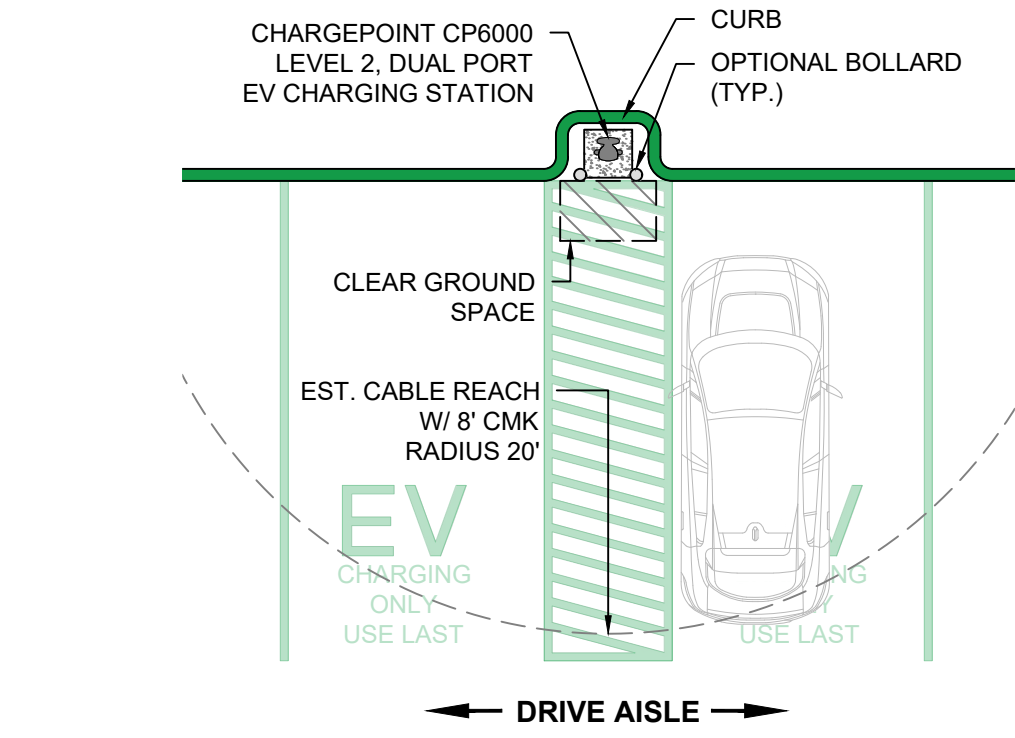
CONCEPTUAL LAYOUTS | SCALE 1/8" = 1'

CONCEPT #1:
ACCESSIBLE ROUTE CONTINUES PAST CURB



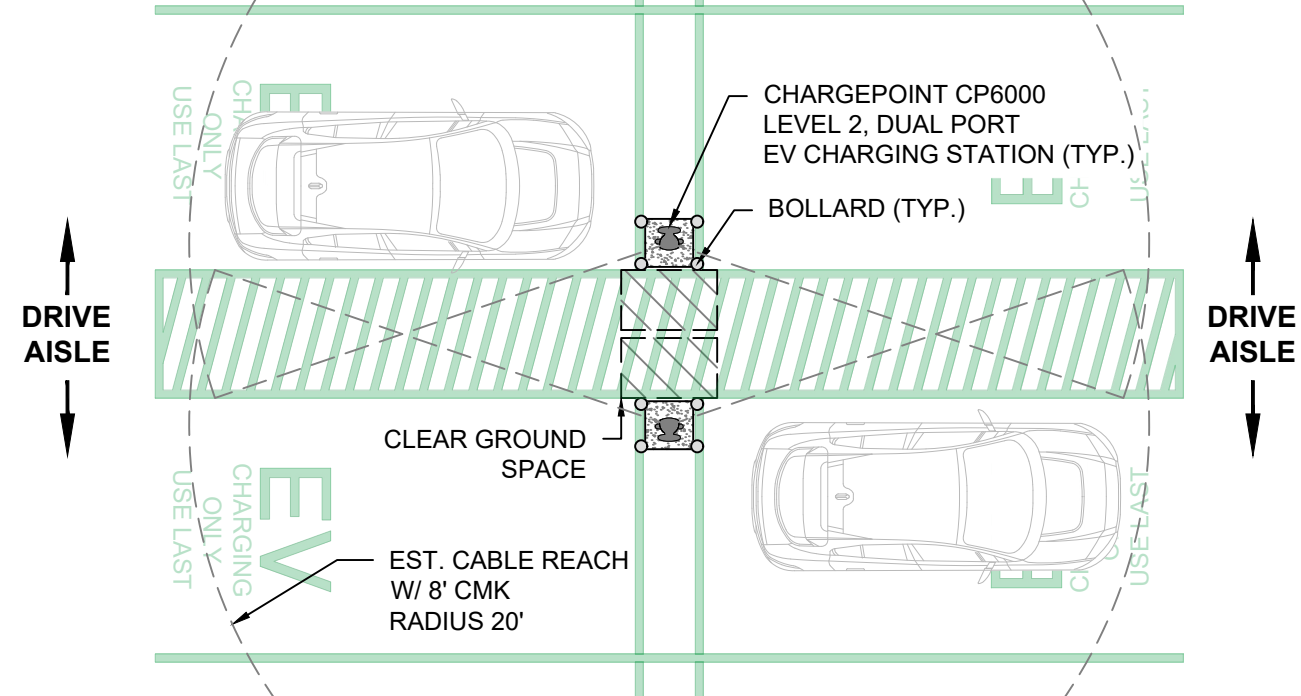
IN SITUATIONS WHERE THE ACCESSIBLE ROUTE CONTINUES PAST THE CURB, SEPARATE, SINGLE PORT CHARGING STATIONS SHOULD BE PROVIDED FOR EACH ACCESSIBLE CHARGING SPACE. STATIONS SHOULD BE MOUNTED ON THE SAME LEVEL AS THE CHARGING SPACE, WHICH MAY REQUIRE THE CURB TO BE CUT BACK.

CONCEPT #2:
ACCESSIBLE ROUTE STOPS AT CURB



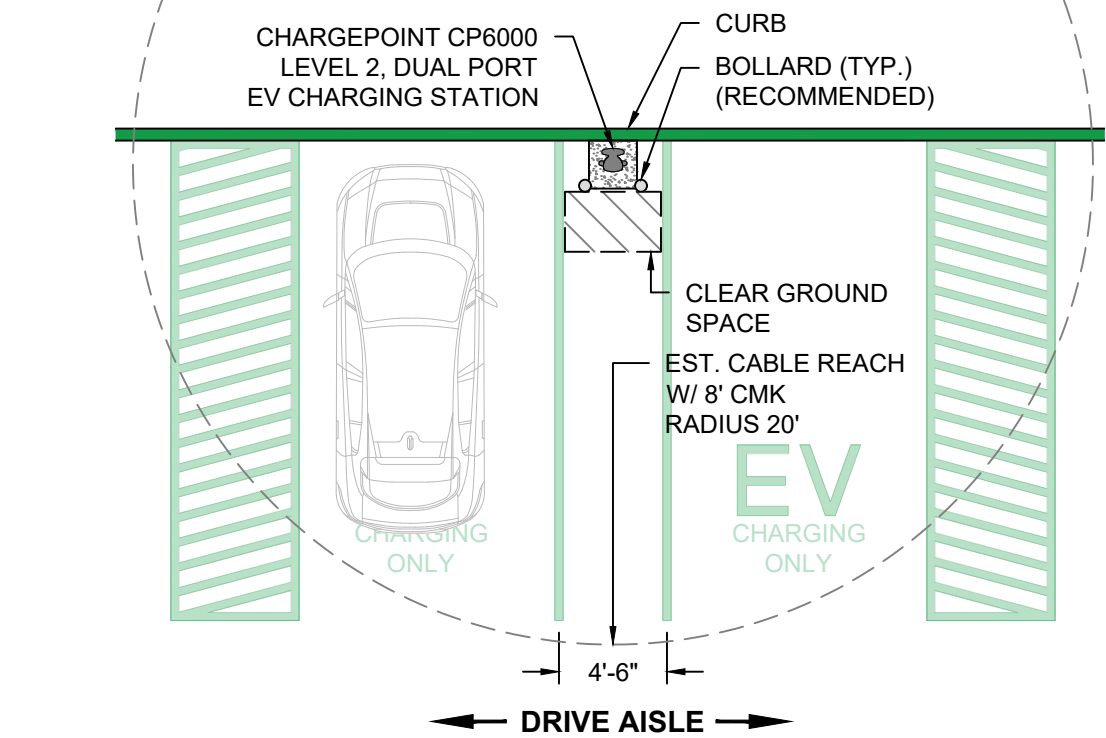
IN SITUATIONS WHERE THE ACCESSIBLE ROUTE DOES NOT CONTINUE PAST THE CURB, A DUAL PORT STATION MAY BE PROVIDED, CENTERED ON THE ACCESS AISLE. STATIONS SHOULD BE MOUNTED ON THE SAME LEVEL AS THE CHARGING SPACE, WHICH MAY REQUIRE THE CURB TO BE CUT BACK.

CONCEPT #3:
BETWEEN FOUR SPACES



WHEN ACCESSIBLE CHARGING STATIONS NEED TO BE PROVIDED BETWEEN FOUR CHARGING SPACES, CREATE A CHARGER AISLE BETWEEN THE ROWS OF SPACES, PERPENDICULAR TO THE ACCESS AISLE. DUAL PORT CHARGING STATIONS MAY BE PROVIDED TO SERVE THE ADJACENT CHARGING SPACES. THIS ARRANGEMENT KEEPS CHARGING CABLES FREE FROM THE ACCESS AISLE WHILE MINIMIZING THE NUMBER OF CHARGING STATIONS REQUIRED.

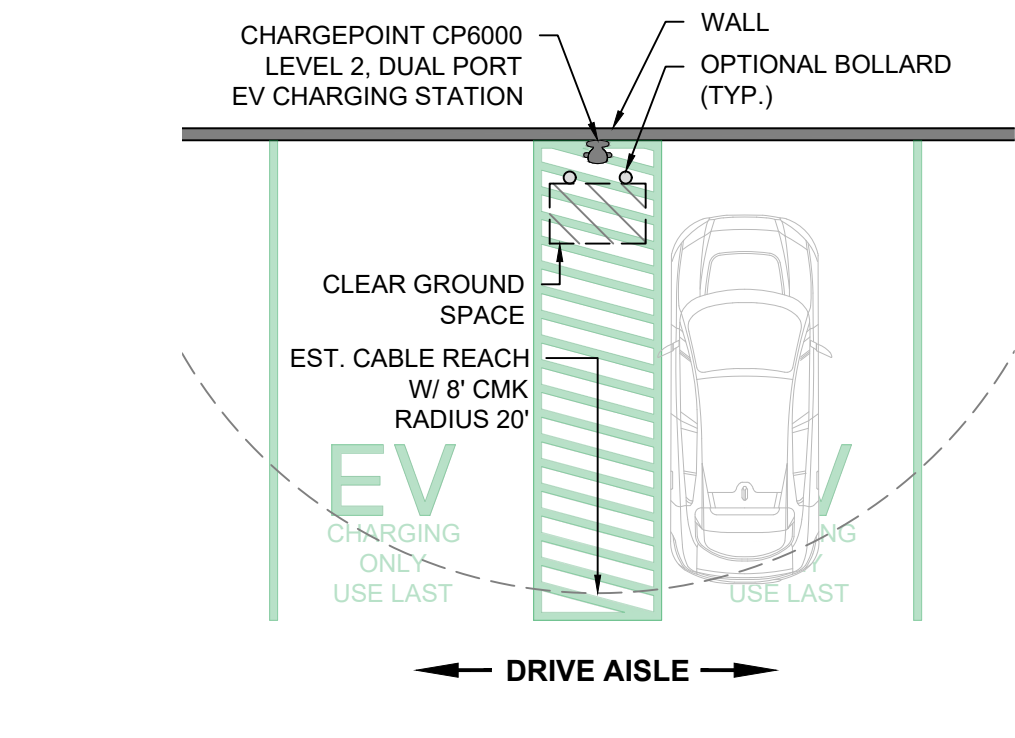
CONCEPT #4:
CHARGING STATION AISLE



INSTEAD OF CUTTING BACK THE CURB TO PROVIDE SPACE TO MOUNT A CHARGING STATION, PROVIDE A CHARGING STATION AISLE BETWEEN ACCESSIBLE CHARGING SPACES ON THE OPPOSITE SIDE OF THE ACCESS AISLE.

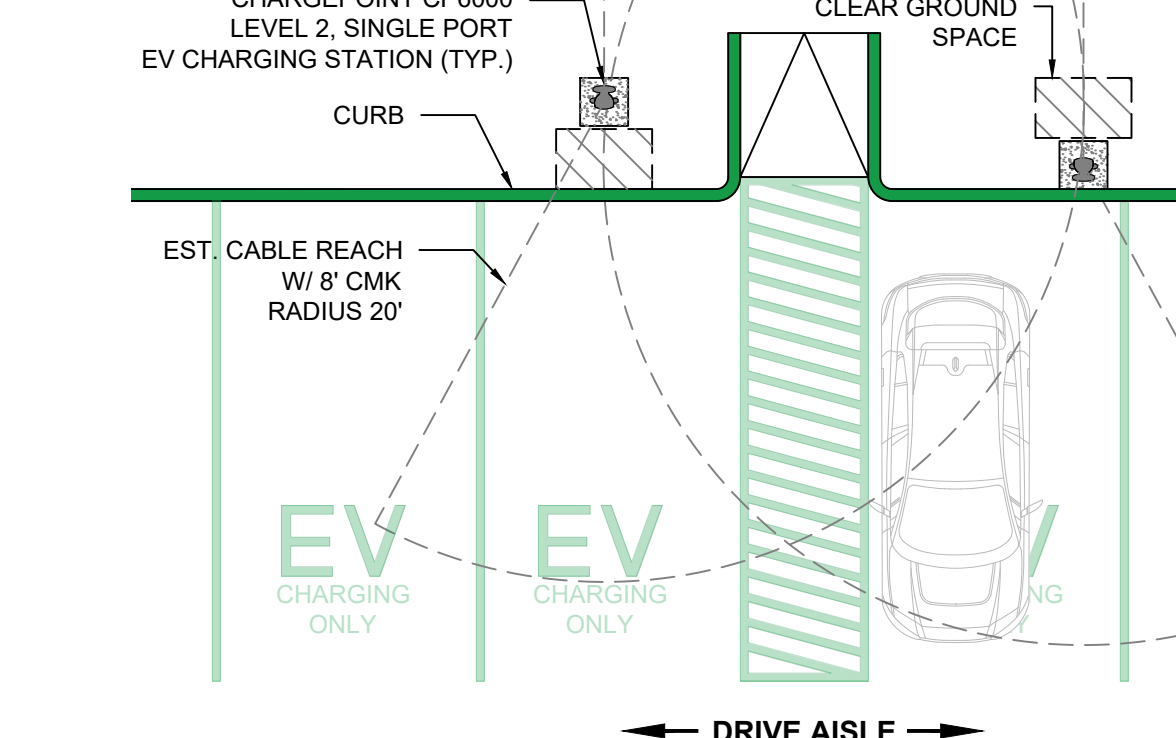
THIS CONCEPT KEEPS ACCESS AISLES CLEAR WHILE STILL PROVIDING AN ACCESSIBLE ROUTE TO THE CHARGING STATIONS AND PLENTY OF SPACE FOR DRIVERS WITH LIMITED MOBILITY TO MANEUVER AROUND THEIR VEHICLES.

CONCEPT #5:
WALL-MOUNTED STATIONS



FOR SCENARIOS WHERE THE EV CHARGING STATION MUST BE WALL-MOUNTED (E.G., PARKING GARAGES), LOCATE A DUAL PORT CHARGING STATION AT THE HEAD OF AND CENTERED ON THE ACCESS AISLE. ENSURE THERE ARE NO OBSTRUCTIONS ON THE GROUND PLANE AT THE WALL THAT WOULD PREVENT THE CHARGING STATION'S BASE FROM BEING MOUNTED AT THE SAME LEVEL AS THE CHARGING SPACE.

CONCEPT #6:
EXISTING SITE



WHEN THE CURB CANNOT BE MODIFIED TO MOUNT THE CHARGING STATION LEVEL WITH THE CHARGING SPACE, MOUNT THE STATION ON THE CURB. ENSURE THERE IS AN ACCESSIBLE PATH FROM THE CHARGING SPACE UP TO THE CHARGING STATION AND ORIENT THE CHARGING STATION SO ITS OPERABLE PARTS ARE ACCESSIBLE FROM THE CURB, NOT THE SPACE.

THE CABLE ON SINGLE PORT CP6000 STATIONS IS LOCATED ON THE RIGHT SIDE. FOR CHARGING SPACES TO THE LEFT OF THE ACCESS AISLE, FACE THE STATION TOWARD THE SPACE AND PROVIDE APPROPRIATE CLEAR GROUND SPACE BETWEEN THE CURB EDGE AND STATION. FOR CHARGING SPACES TO THE RIGHT OF THE ACCESS AISLE, FACE THE STATION AWAY FROM THE SPACE. THESE ORIENTATIONS MAINTAIN ACCESSIBILITY AND PREVENT CABLE WRAPPING.

NOTE: THIS SCENARIO MAY POSE CHALLENGES TO DRIVERS EXPERIENCING MOBILITY LIMITATIONS. WHENEVER POSSIBLE, CHARGEPOINT RECOMMENDS MOUNTING ACCESSIBLE STATIONS LEVEL WITH THE CHARGING SPACE.

REFERENCES

ALL DETAILS AND RECOMMENDATIONS PROVIDED IN THIS DOCUMENT IS BASED ON THE INFORMATION PROVIDED BY THE U.S. ACCESS BOARD IN THE DOCUMENT TITLED "DESIGN RECOMMENDATIONS FOR ACCESSIBLE ELECTRIC VEHICLE CHARGING STATIONS", DATED JULY 17, 2023 AND/OR CHARGEPOINT'S INTERPRETATION OF SAID INFORMATION. ALWAYS FOLLOW LOCAL CODES AND REGULATIONS, WHICH MAY DIFFER FROM THE INFORMATION PROVIDED IN THIS DOCUMENT.

U.S. ACCESS BOARD DOCUMENTATION: <https://www.access-board.gov/tad/ev/>



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CONCEPT DRAWING
NOT FOR CONSTRUCTION

DRAWING TITLE:
CHARGEPOINT CP6000
RECOMMENDATIONS
FOR ACCESSIBLE
CHARGING SPACES WITH
8' CABLE MANAGEMENT

DOCUMENT #: 33106002a
DATE: 11.05.25
DRAWN BY: CMT
SCALE: AS NOTED

SHEET:

23' CHARGING CABLES (USING THE 8' CABLE MANAGEMENT KIT ON THE CP6000 STATION) ARE RECOMMENDED TO ENSURE THE CONNECTOR CAN REACH THE CHARGING INLET OF THE VEHICLE, REGARDLESS OF WHERE IN THE SPACE IT IS LOCATED.