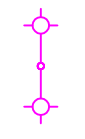
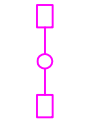
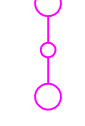



CHULA VISTA LIGHTING ASSESSMENT DIMMING TEST LA MEDIA ROAD

LEGEND

-  150 WATT TWIN HPS FIXTURES WITH 'EMPOWER ELECTRONICS' DIMMING ELECTRONIC BALLASTS
-  TWIN 'BETA' LED LIGHT FIXTURES
-  TWIN 'MHT LIGHTING' INDUCTION LIGHT FIXTURES
-  DIMMING CONTROLLER CABINET-WIRELESS AND POWER-LINE CARRIER DIMMING CONTROLS BY 'VIRTICUS CORPORATION'

Empower Electronics-Dimmable 150 watt HPS Electronic HID Ballasts (Dimming range-180 watts-100 watts)

MHT Lighting-Dimmable 165 watt induction lights (Dimming range-168 watts-99 watts)

Beta Lighting-Dimmable LED's (Dimming range-204 watts-40 watts. Though, we are only dropping to 125 watts)

The foot-candle reads taken 30' to the side of the pole (center lane on traffic) is as follows:

Empower Electronics-100%=1.98, 30%=.87

MHT Lighting-100%=1.68, 30%=1.02

Beta Lighting-100%=1.51, 30%=.61



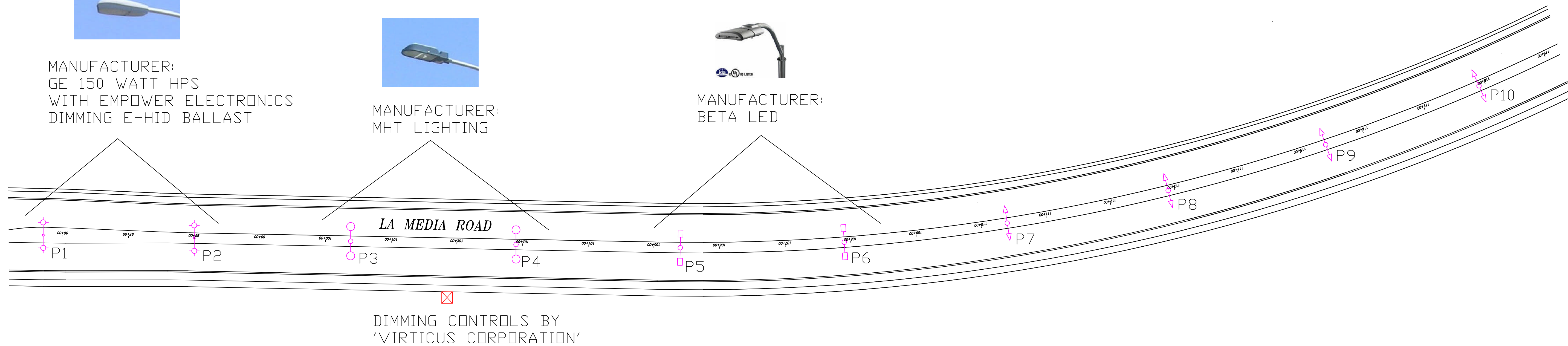
MANUFACTURER:
GE 150 WATT HPS
WITH EMPOWER ELECTRONICS
DIMMING E-HID BALLAST



MANUFACTURER:
MHT LIGHTING



MANUFACTURER:
BETA LED



DIMMING CONTROLS BY
'VIRTICUS CORPORATION'



Project:
CITY OF CHULA VISTA
SUSTAINABLE LIGHTING PILOT
PROGRAM
LA MEDIA ROAD

NOTICE: THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NATE MULLEN VISUAL CONCEPTS, LLC (NMVC). ITS ACCEPTANCE CONSTITUTES AN AGREEMENT THAT THE DRAWING WILL BE TREATED AS INFORMATION FOR THE DESIGN OF THE PROJECT AND NOT FOR CONSTRUCTION. NMVC SHALL BE RESPONSIBLE FOR THE OPERATION OF UNITS FURNISHED BY THE MANUFACTURER. IT IS TO BE RETURNED UPON REQUEST AND IS NOT TO BE COMMUNICATED, DISCLOSED OR COPIED, EXCEPT AS AUTHORIZED BY NMVC.
THE INTENT OF THIS LIGHTING LAYOUT IS TO SUGGEST THE BEST UTILIZATION OF LIGHTING FIXTURES REPRESENTED. IT IS PROVIDED USING IES FILES FURNISHED BY THE MANUFACTURER. ANY INFORMATION CONCERNING THE OPERATION OF UNITS FURNISHED BY THE MANUFACTURER IS THE RESPONSIBILITY OF THE MANUFACTURER. NMVC SHALL NOT BE RESPONSIBLE FOR THE OPERATION OF UNITS FURNISHED BY NMVC. MOVING THE LIGHT LOCATIONS IN THE FIELD OR SUBSTITUTION OF FIXTURE AND MANUFACTURER SHALL INVALIDATE THIS LIGHTING STUDY.

Client
City of Chula Vista
Department of Public Works
Rob LeClair and Matt Little

Sheet Info:
Drawn By:
Checked By:
Scale:
Date: 06-28-10
Sheet: of 1