

# Al Fresco – Traffic Barrier Options

The following list identifies acceptable traffic barriers used to define, and help mitigate the risk of vehicle intrusion into, each Outdoor Business Area. Traffic barriers should be used in accordance with the City guidelines and manufacturer specifications. Notwithstanding the City providing traffic barrier options and guidelines, the use of the Outdoor Business Area with or without barriers is voluntary and at your sole risk and you must ensure that your Outdoor Business Area is safe at all times. The City is not responsible for any damage or injuries to persons or property arising out of, pertaining to or relating to the use of traffic barriers in an Outdoor Business Area.

## 1. Concrete K-Rail

- Used as a barrier for sideswipe collisions.
- Comes in 5', 10' and 20' lengths
- Approximate Cost per 20' length:
  - Purchase: \$900
  - Rent: \$150/month



## 2. Water-Filled Barriers

- Plastic barriers filled with sand or water (sand provides additional weight).
- May require ongoing maintenance.
- A height of 36" is suggested for these barriers
- Approximate Cost per 6' length:
  - Purchase: \$300
  - Rent: \$50/month

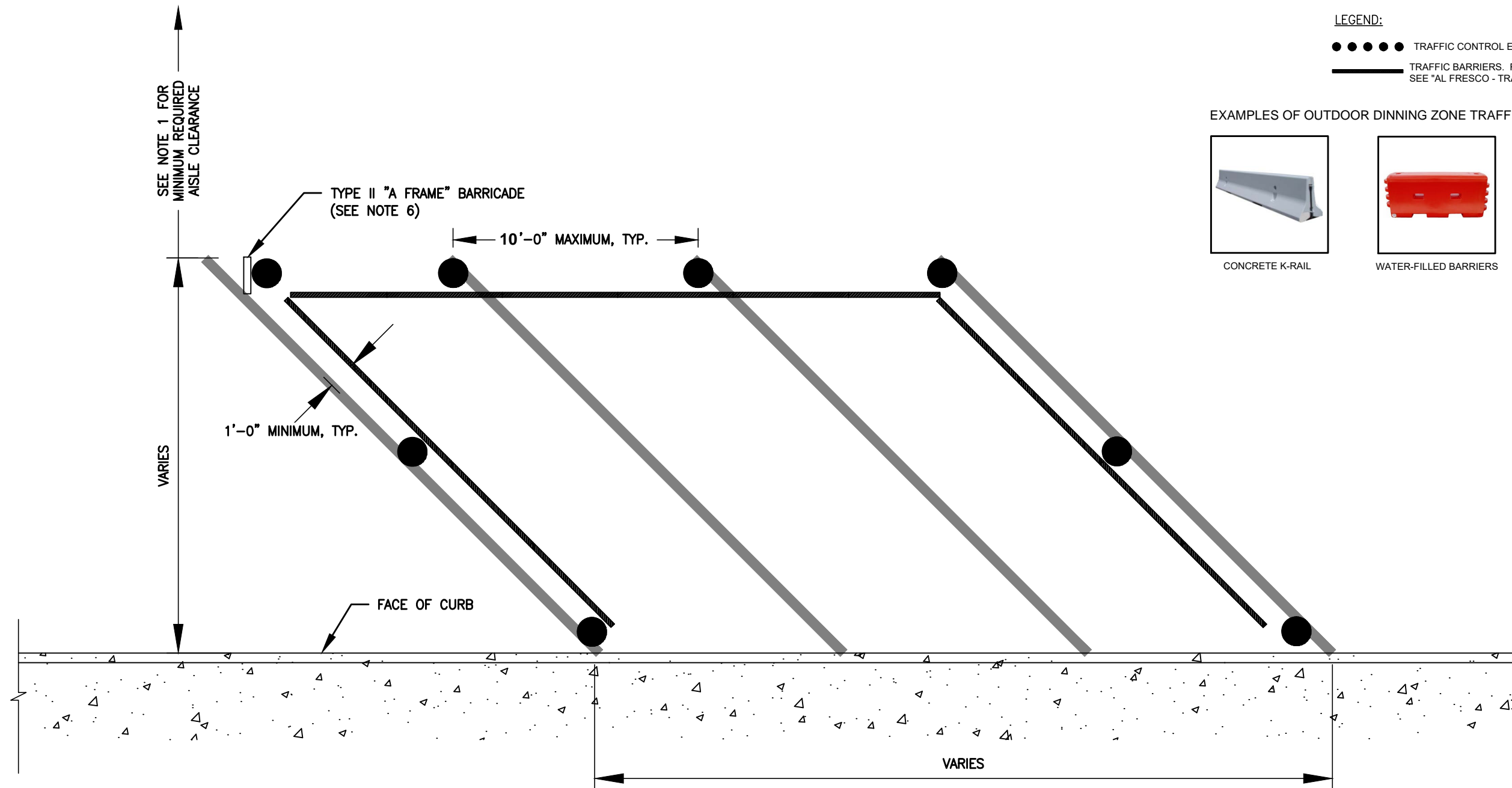


## 3. Metal Barricades

- Typically used for crowd control for outdoor special events.
- The City recommends that these barriers be used exclusively in locations with very limited vehicular traffic primarily separating diners from pedestrians and bicycle traffic.
- Not suitable for mitigating the risk of vehicular collisions.
- Approximate cost is \$115 each per 8' length.
- Rental may be available.



Exhibits Attached.



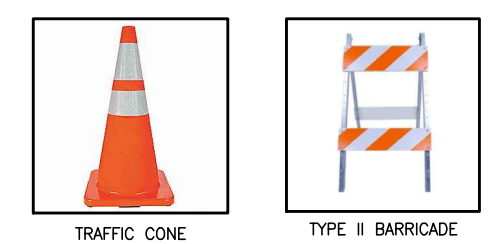
**LEGEND:**  
 ● ● ● ● ● TRAFFIC CONTROL EQUIPMENT  
 ——— TRAFFIC BARRIERS. FOR ADDITIONAL INFORMATION SEE "AL FRESCO - TRAFFIC BARRIER OPTIONS" SHEET.

EXAMPLES OF OUTDOOR DINING ZONE TRAFFIC BARRIERS:



- NOTES:**
1. PROVIDE 20'-0" MINIMUM FIRE TRUCK CLEARANCE WITHIN VEHICLE AISLE ADJACENT TO OUTDOOR DINING ZONE.
  2. OUTDOOR DINING ZONE MUST NOT BE PLACED ANYWHERE IN THE DRIVING AISLE OF PARKING LOT.
  3. TRAFFIC BARRIERS ALONG THE OUTDOOR DINING ZONE PERIMETER WITHIN PRIVATE PARKING LOTS SHALL INCLUDE A SERIES OF TRAFFIC CONTROL DEVICES, SUCH AS TRAFFIC CONES OR TYPE II BARRICADES, SPACED A MAXIMUM OF 10'-0" APART.
  4. TRAFFIC BARRIERS SHALL BE PLACED WITHIN THE LIMITS OF THE TRAFFIC CONTROL EQUIPMENT PERIMETER CREATING AN ENCLOSED OUTDOOR DINING ZONE.
  5. PROVIDE 1'-0" MINIMUM CLEARANCE BETWEEN PARKING STALL STRIPING AND TRAFFIC BARRIER PERIMETER.
  6. TYPE II "A FRAME" BARRICADES SHALL BE PLACED DOWNSTREAM PRIOR TO BEGINNING OF OUTDOOR PARKING ZONE NEAR EDGE OF AISLE WITH POSTED NOTICES INFORMING OF NEW PARKING RESTRICTION.
  7. RETROREFLECTIVE TAPE IS RECOMMENDED ON ALL TRAFFIC BARRIERS.
  8. METAL BARRICADES ARE ONLY RECOMMENDED TO SEPARATE THE DINING ZONE FROM PEDESTRIAN AND BICYCLE TRAFFIC.
  9. ADA SPACES SHALL NOT BE USED FOR OUTDOOR DINING.

EXAMPLES OF OUTDOOR DINING ZONE TRAFFIC CONTROL EQUIPMENT:



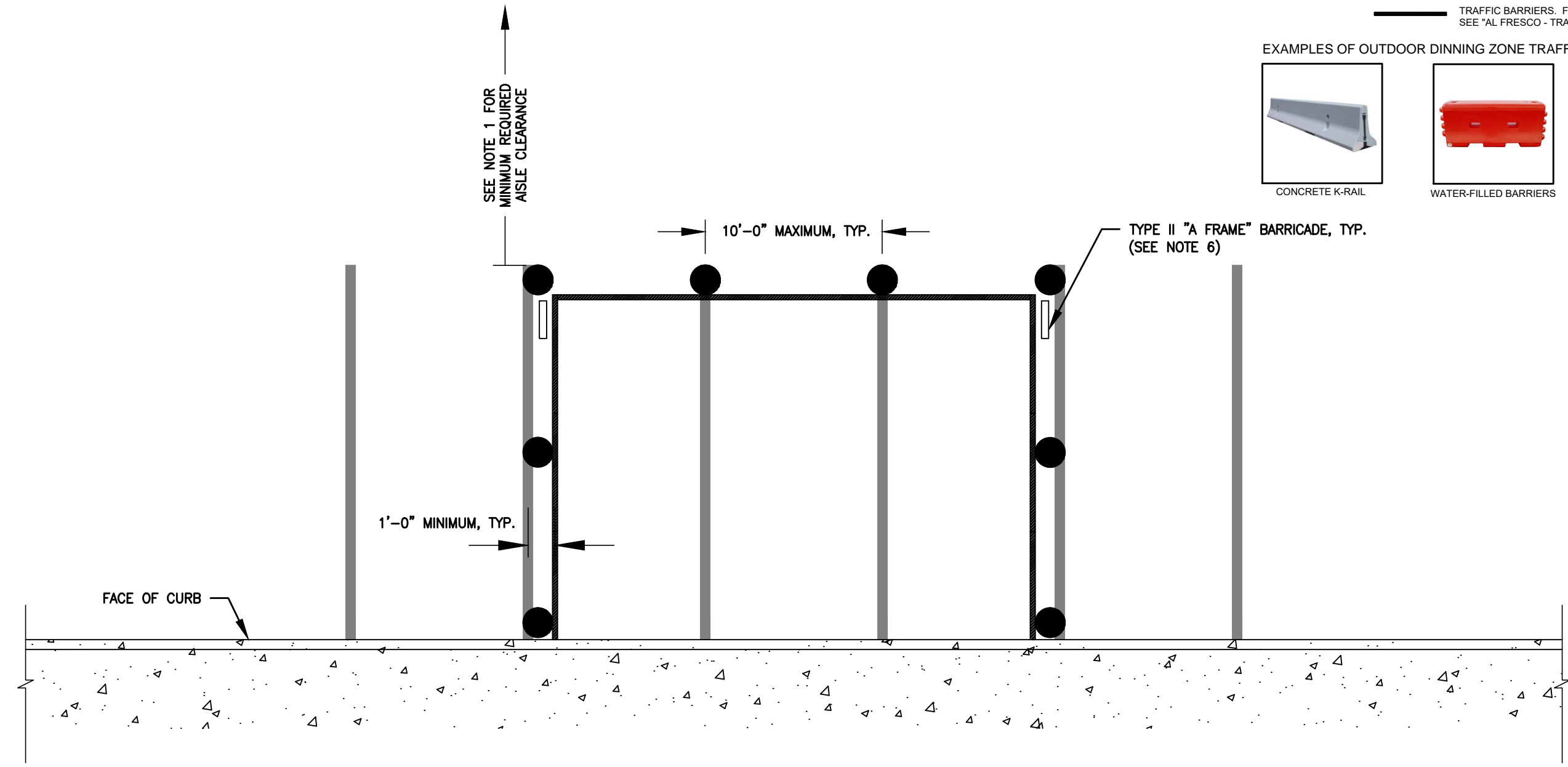
OUTDOOR DINING ZONE DETAIL  
**PARKING LOT - ANGLED STALLS**

CITY PROJECT:  
 DESIGNED BY:  
 DRAWN BY:  
 DATE:

SCALE:      NTS  
 0 | | | | 1"  
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

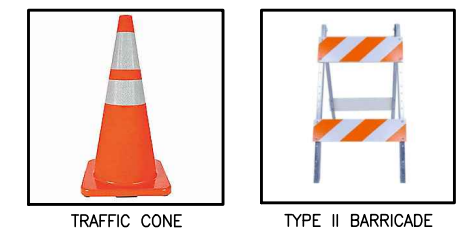
DRAWING:  
**EXHIBIT**  
 SHEET 1 OF 2

**LEGEND:**  
 ●●●●● TRAFFIC CONTROL EQUIPMENT  
 ——— TRAFFIC BARRIERS. FOR ADDITIONAL INFORMATION SEE "AL FRESCO - TRAFFIC BARRIER OPTIONS" SHEET.



- NOTES:**
1. PROVIDE 20'-0" MINIMUM FIRE TRUCK CLEARANCE WITHIN VEHICLE AISLE ADJACENT TO OUTDOOR DINING ZONE.
  2. OUTDOOR DINING ZONE MUST NOT BE PLACED ANYWHERE IN THE DRIVING AISLE OF PARKING LOT.
  3. TRAFFIC BARRIERS ALONG THE OUTDOOR DINING ZONE PERIMETER WITHIN PRIVATE PARKING LOTS SHALL INCLUDE A SERIES OF TRAFFIC CONTROL DEVICES, SUCH AS TRAFFIC CONES OR TYPE II BARRICADES, SPACED A MAXIMUM OF 10'-0" APART.
  4. TRAFFIC BARRIERS SHALL BE PLACED WITHIN THE LIMITS OF THE TRAFFIC CONTROL EQUIPMENT PERIMETER CREATING AN ENCLOSED OUTDOOR DINING ZONE.
  5. PROVIDE 1'-0" MINIMUM CLEARANCE BETWEEN PARKING STALL STRIPING AND TRAFFIC BARRIER PERIMETER.
  6. TYPE II "A FRAME" BARRICADES SHALL BE PLACED ON BOTH SIDES OF OUTDOOR PARKING ZONE NEAR EDGE OF AISLE WITH POSTED NOTICES INFORMING OF NEW PARKING RESTRICTION.
  7. RETROREFLECTIVE TAPE IS RECOMMENDED ON ALL TRAFFIC BARRIERS.
  8. METAL BARRICADES ARE ONLY RECOMMENDED TO SEPARATE THE DINING ZONE FROM PEDESTRIAN AND BICYCLE TRAFFIC.
  9. ADA SPACES SHALL NOT BE USED FOR OUTDOOR DINING.

EXAMPLES OF OUTDOOR DINING ZONE TRAFFIC CONTROL EQUIPMENT:



OUTDOOR DINING ZONE DETAIL  
  
**PARKING LOT - 90° STALLS**

CITY PROJECT:  
 DESIGNED BY:  
 DRAWN BY:  
 DATE:

SCALE:      NTS  
 0 | | | | 1"  
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING:  
**EXHIBIT**  
 SHEET 2 OF 2