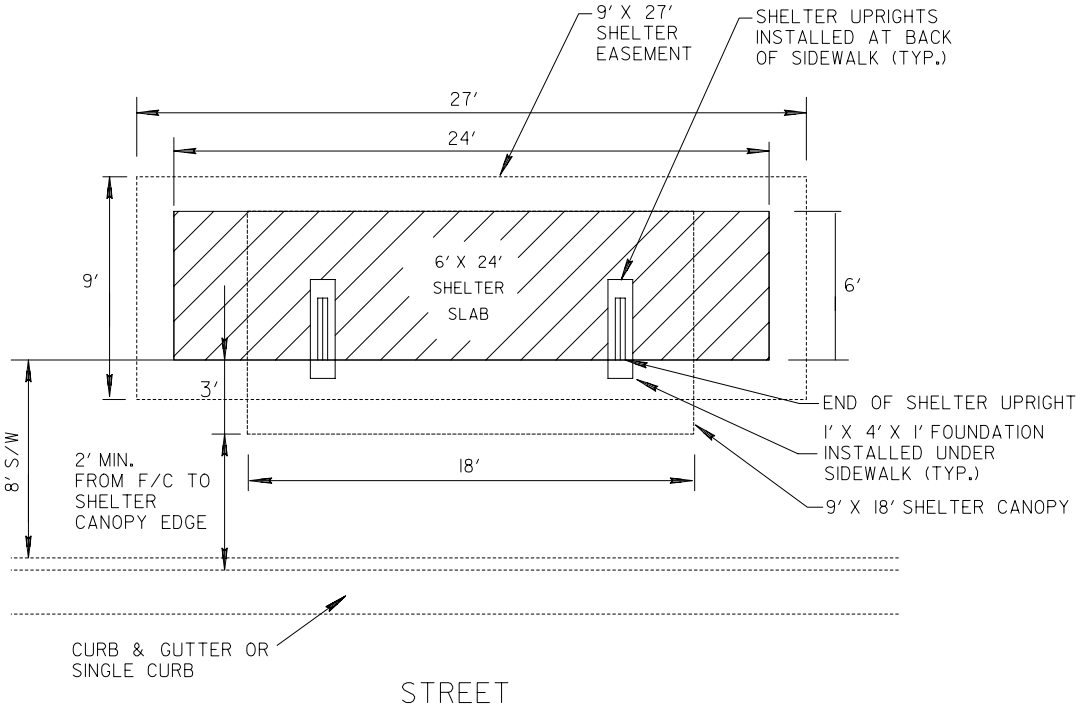

SPECIAL REQUIREMENTS:

1. AN ARTIST-DESIGNED SHELTER MAY BE SUBSTITUTED FOR STANDARD SHELTER BY APPROVAL OF CITY OF TEMPE TRANSIT SECTION. HOWEVER, IT MUST INCORPORATE ALL THE FUNCTIONAL ELEMENTS INCLUDED IN THE STANDARD SHELTER. SEE TRANSIT & DESIGN REVIEW STAFF FOR DETAILS.

2. SITE'S LANDSCAPING THEME SHOULD PROVIDE APPROPRIATE TREES FOR A SHADE CANOPY NEAR OR AROUND SHELTER.

3. THREE CARMANAH TECHNOLOGIES MODEL I-SHELTER-AZ-PEAKED ROOF LED LUMINAIRES, OR TEMPE APPROVED EQUAL. POWER TO BE SUPPLIED BY SOLAR PANEL OR TRANSFORMER DEPENDING UPON LOCAL SITE CONDITIONS.

4. SITE-SPECIFIC STYLE OF FURNITURE WILL BE REQUIRED IN THE MILL AVE. DOWNTOWN AREA, ON APACHE BLVD., AND ON ART SHELTERS. CONTACT THE TRANSIT SECTION STAFF FOR DETAILS.

5. STANDARD BUS STOP SIGN LOCATION: NEW OR RELOCATED SIGNS SHALL BE APPROVED BY THE TRAFFIC/TRANSIT STAFF.

6. ADDITIONAL REQUIREMENTS MAY INCLUDE:
a) LEANING RAIL -- "LACOR" MODEL.....
b) LED REAL TIME BUS INFORMATION SIGN
c) BUS ROUTE/TRAFFIC INFORMATION KIOSKS
d) PEDESTRIAN RAILING AROUND THE BACK OF SHELTER ADJACENT TO STEEP SLOPES OR DROP-OFFS

7. CITY OF TEMPE TRANSIT (BUS SHELTERS) SHALL BE PROVIDED WITH A GROUNDING SYSTEM THAT MAY CONSIST OF ONE OF THE FOLLOWING METHODS:
a) 25 FEET OF #4 STRANDED COPPER (UNINSULATED) INSTALLED IN THE BASE OF ONE OF THE UPRIGHT FOUNDATIONS. THE GROUNDING CONDUCTOR WILL EXTEND OUT OF THE POURED CONCRETE FOUNDATION WITH A LENGTH NOT TO EXCEED 3 FEET. THE GROUNDING CONDUCTOR WILL BE WRAPPED IN A CLOCKWISE ROTATION, ONE WRAP, AROUND ONE OF THE UPRIGHT ANCHOR BOLTS. A FLAT FENDER WASHER WILL BE INSTALLED ON TOP OF THE CONDUCTOR WITH THE ANCHOR BOLT NUT ON TOP OF THE FLAT WASHER AND SECURED.

b) A SECOND METHOD WILL CONSIST OF A $\frac{5}{8}$"X 8′ GROUND ROD DRIVEN IN THE ELECTRICAL PULLBOX ADJACENT TO THE BUS SHELTER. A GROUND ROD TERMINAL NUT (ACORN NUT) WILL BE INSTALLED ON TOP OF THE GROUND ROD SECURING A #8 AWG BARE SOLID COPPER WIRE. THE GROUND WIRE WILL BE INSTALLED FROM THE JUNCTION BOX, UNBROKEN AND UNSPLICED, TO THE BUS SHELTER UPRIGHT WHERE IT WILL BE TERMINATED. A SET-SCREW TERMIAL LUG WILL BE FASTENED TO THE STRUCTURE UPRIGHT UNDER THE BOTTOM KICKPANEL. THE AREA UNDER THE TERMINAL LUG WILL BE CLEANED OF ALL RUST, SCALE AND PAINT. THE #8 BARE BOND CONDUCTOR WILL BE TERMINATED IN THE SET-SCREW TERMINAL LUG.

BOTH GROUNDING METHODS WILL BE DONE IN ACCORDANCE WITH ARTICLE 250 OF NATIONAL ELECTRICAL CODE.

8. SEE SHEET 12 OF 12 FOR BUS SHELTER POWER AND LIGHT DETAIL.

APPROVED: _____ _____
DEPUTY PUBLIC WORKS MANAGER
CITY ENGINEER — DATE

APPROVED: _____ _____
TRAFFIC ENGINEER — DATE

CITY OF TEMPE
PUBLIC WORKS DEPARTMENT

SPECIAL NOTES AND SHELTER EASEMENT

DETAIL T-654
11 OF 12
REVISED 2007