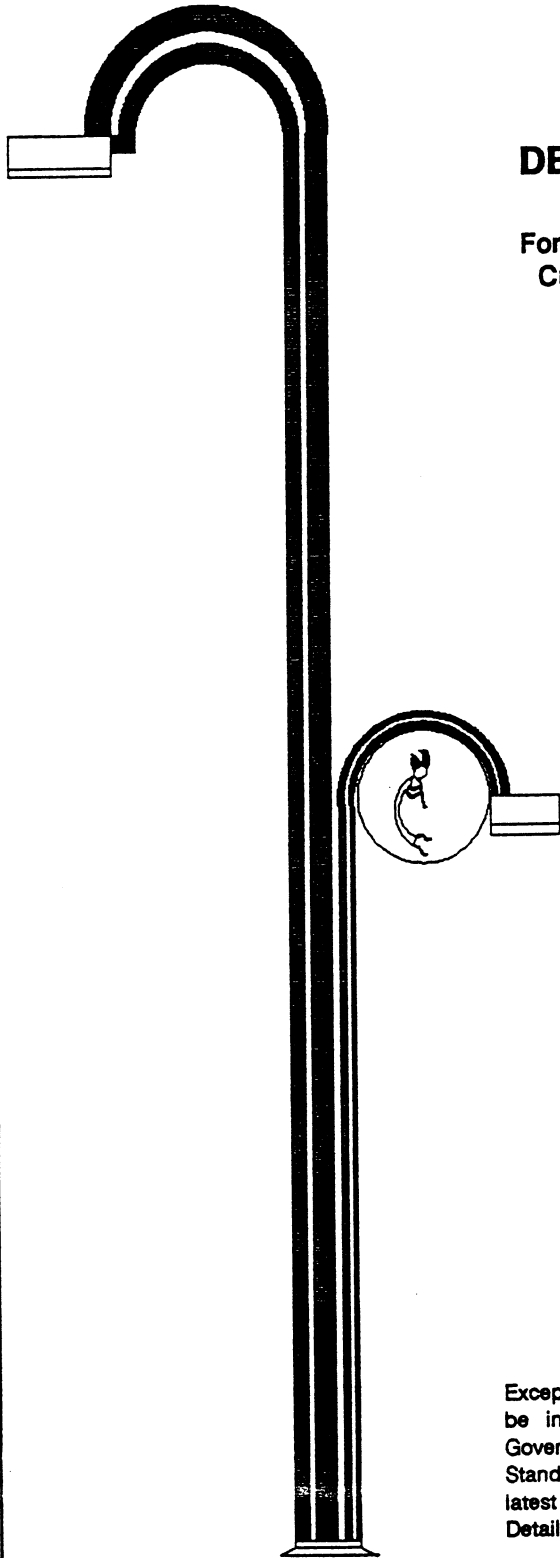


CENTRAL AVENUE DEVELOPMENT STANDARDS

For Sidewalk Improvements Between
Culver Street to Camelback Road



Except as otherwise required in these specifications, construction shall be in accordance with all applicable Maricopa Association of Governments' (MAG) Uniform Standard Specifications and Uniform Standard Details, latest revision, and the City of Phoenix Supplements, latest revision, to the MAG Uniform Standard Specifications and Details.

On April 25, 1989 the Phoenix City Council unanimously decided to accept City Central Avenue Design committee recommendations regarding the Central Avenue Beautification project, and, in recognition of Central Avenue development as an on-going process, authorized the creation of Central Avenue image-design standards applicable to all construction and new modifications on properties bordering Central Avenue from Culver Street to Camelback Road.

APPROVED EQUAL

All proposed substitutions shall be submitted, at least 21 days prior to their use, to the Central Avenue Maintenance Coordinator for approval.

Reed Caldwell, P.E.
Engineering & Architectural Services Department
125 East Washington Street
Phoenix, AZ 85004
(602) 262-6652

BUS SHELTERS

All passenger shelters and bus stops must be coordinated with the Public Transit System, (602) 256-3211.

CATCH BASIN

Both existing and newly installed catch basin covers are to be stained to match sandstone blocks.

COLOR-CONDITIONED CONCRETE SIDEWALK

A. Subgrade Preparation: The subgrade shall be well drained and have adequate and uniform load-bearing characteristics. It shall be graded such that the thickness of the concrete will be uniform. Area shall be treated in accordance with Section 430 of the MAG Uniform Standard Specifications.

B. Concrete Design: The concrete shall be class B, conforming to the applicable requirements of Section 725 of the MAG Uniform Standard Specifications. The water content shall be the minimum practicable, and the slump shall not exceed four inches. A normal set or retarded set, water reducing admixture may be used, but the concrete substrate shall contain no other admixture, such as those containing calcium chloride or fly ash.

C. Colored Admixture: Admixture shall be mixed into concrete in accordance with manufacturer's specifications. Color shall be Tawny Pink as manufactured by L. M. Scofield Company, or a CAMC-approved equal.

D. Texture: The concrete surface shall have a hand-troweled finish.

DRIVEWAY AND ALLEY ENTRANCES

(see drawing)

The thickness of the concrete slab for alley entrances, Commercial and Industrial Driveways shall be 9 inches

minimum—see City of Phoenix Details. The curb adjacent to the modified alley and driveway slabs shall be 6 inches thick at the thinnest part of the section.

FIRE HYDRANT RELOCATION

Whenever possible, all fire hydrants shall be placed within the planter area.

LANDSCAPING

A. Shade Trees: The Sweet Acacia (*Acacia minuta*) or the Palo Brea (*Cercidium Praecox*) shall be the 48 inch box size. Trees shall be trimmed to a minimum of 7 foot high vertical clearance above pedestrian/sidewalk pavements and a minimum of 13 foot vertical clearance above street vehicular pavements. (see drawing)

B. Palm Trees: The California Fan Palm (*Washingtonia filifera*) shall be used. The trees are to match the height of the neighboring tree(s) of the same type. If there is not a neighboring tree of the same species, the palm shall be of 24 feet brown trunk height. All palms shall be skinned (free of frond remains) along the length of the tree from the ground to the base of the crown. No more than 6 inches distance between a discontinuation in skinning and the base of the crown will be approved. (also see drawing)

C. Oleanders: The Petite Pink Oleander (*Nerium oleander* 'petite pink') in the 5 gallon size shall be planted at 4 feet on center, centered in the planter. The oleanders shall be no less than 24 inches high and have a spread of not less than 16 inches. (also see drawing)

D. Decomposed Granite: Decomposed granite must be Type B as per MAG Uniform Standard Specification Section 702, 3/4 screened, and the color Autumn Red as quarried by Kilauea Crushers, or CAMC-approved equal. (also see drawing)

LIGHTING

(see drawing)

Any new fabrication shall conform to City specifications. Contact Central Avenue maintenance coordinator for information.

PAINT

All painted surfaces shall be primed with Val-Chem Epoxy Primer (#13-F-62 light grey), and shall have 2 finish coats of Valspar 54 High Solids Ethane Enamel to match the color 1D43C (El Dorado), or CAMC-approved equal. Each coat of

enamel is to have a dry film thickness of 5 mils.

PARKWAY GRADING

Grading shall be done, as necessary, behind a new sidewalk to provide a smooth, uniform transition to the natural ground within the available right of way or easement. Where sidewalks are not to be installed, a maximum width of 4 feet from the back of curb for a pedestrian walkway shall be graded, where right of way is available, with a minimal positive straight grade from the top of curb. In all instances, a stable slope shall be attained.

PLACEMENT PLAN (see drawing)

SANDSTONE BLOCKS

The sandstone blocks shall have a size of 2 inches thick, 12 inches wide (nominal), 24 inches long (nominal). Blocks shall have a guillotine cut. The sandstone color shall be Supai Red as quarried by Western State Stone, or CAMC-approved equal. Sandstone shall be indigenous to the State of Arizona. The sandstone shall be installed on a mortar and compacted aggregate base. Mortar joints shall be 3/16 inch wide and the mortar color shall match the color of the sandstone blocks. A dry saw shall be used to cut the sandstone blocks. The sandstone is to be clean cut to form radial pattern around trees, and to maintain consistent 1/2 inch joints. (see drawing)

SCHEDULE

All construction shall be completed within 45 days of start of construction for each 660 foot section.

SIDEWALK RAMPS (see drawing)

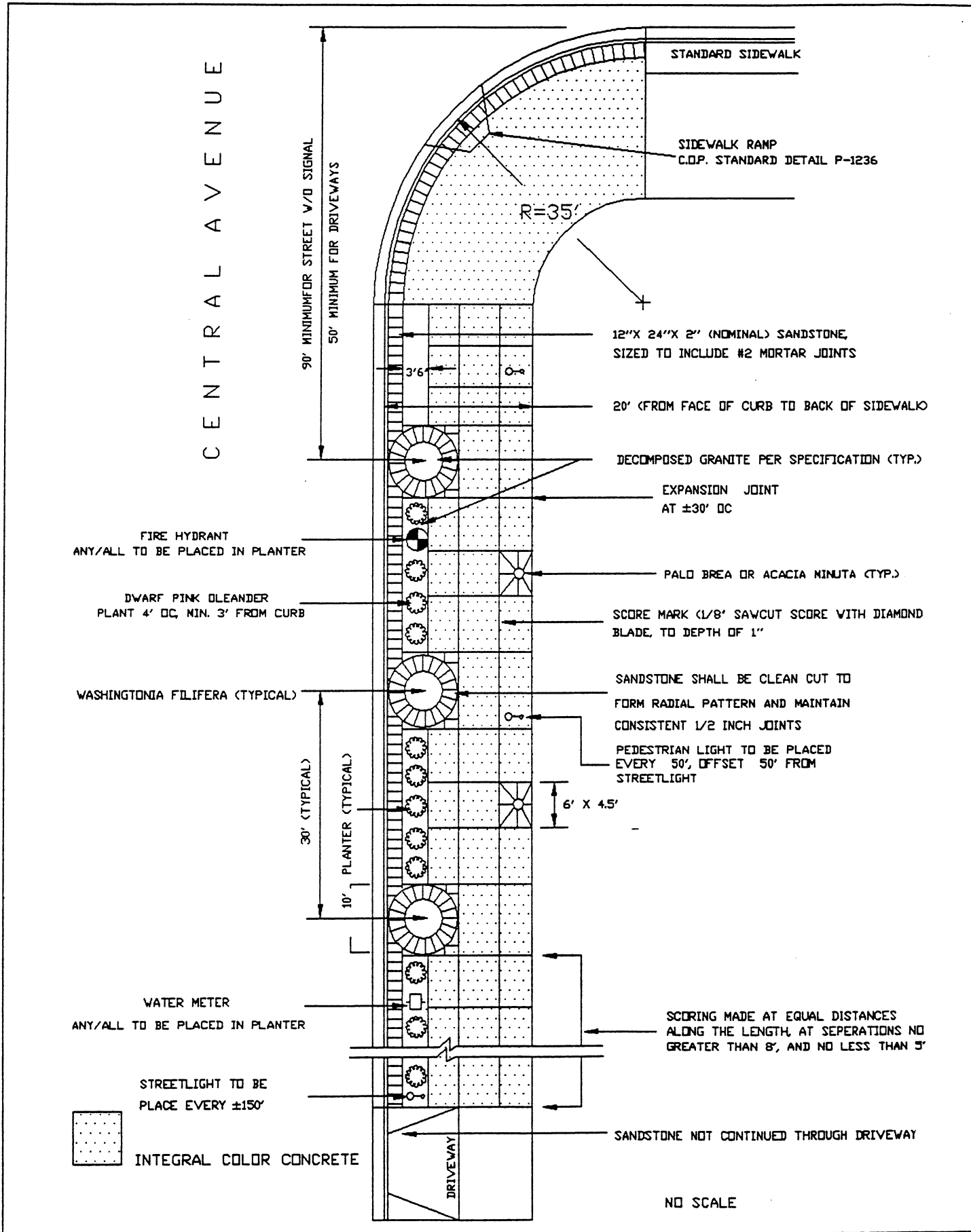
UTILITY ACCESS COVERS

Access covers (e.g. junction boxes, valve covers, water meter covers, Telco boxes) shall be painted or stained to match the adjacent sandstone or color-conditioned concrete surface, to whichever the cover is adjacent. (see drawing)

WATER SERVICES AND METERS

Any relocated water meter shall be set to match the grade at the new location. Bedding and backfill shall be full depth A.B.C.. Any materials used in the replacement or new construction of water meters shall conform to MAG specifications and City of Phoenix Supplement to the MAG.

PLACEMENT PLAN



VERTICAL BANNER SPECIFICATIONS

City of Phoenix
CENTRAL AVENUE BEAUTIFICATION PROJECT
Culver Street to Camelback Road
August 1991

SPECIFICATIONS

Banner Material: (Sunbrella)

All banners shall be fabricated of 100% solution dyed acrylic marine canvas. The material shall be guaranteed against loss of color or strength from normal exposure conditions for at least five (5) years after initial installation on City poles. The standard size shall be 31" x 94". The thread in the fabric shall be 138 polyester BST/bonded, stretched, and twisted. Yarn size shall be 200/2/3 cord with 150 tex size after manufacturing with a breaking strength of 21.5 pounds. Each banner shall have two (2) double stretched, double rolled, reinforced hems, one each top and bottom. Banners are to be resistant to ultraviolet rays, mold and mildew. Each banner shall have two (2) #2 brass spur grommets as shown on Banner Diagram.

Abrasion resistance must be 15,000+ cycles; Tensile-grab (lbs. per inch) within a range from 403W x 201F to 214W x 210F; Tear-tongue (lbs. per inch) within a range from 19W x 14F to 7W to 6F and fabric must be made fade resistant.

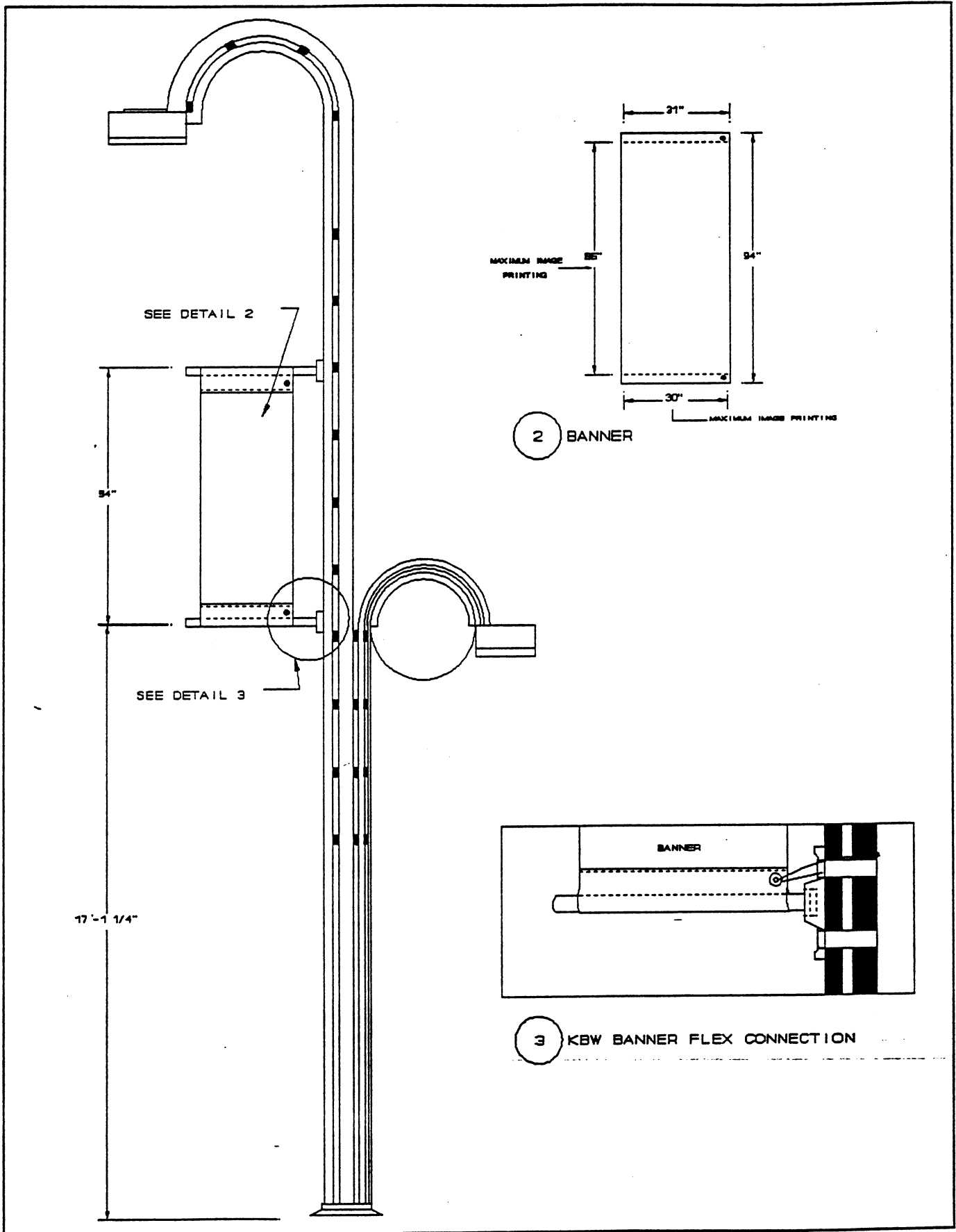
The banner background color shall be dark enough in color so that the pattern on one side is not visible from the other side of the banner while in direct sunlight.

Silkscreen Ink:

Ink used for the banners shall be heat set thermoplastic screen printing ink.

INSTALLATION PROCEDURE

1. Slide banner (top hem) on arm, completely covering metal sleeve at base of arm. Each arm will have a pronounced upward cant. (secure with Thomas-Betts MX Series ties, or approved equal—see step #4)
2. Slide banner onto bottom arm before inserting arm assembly into casting slot. When inserted correctly, bottom arms display a downward cant (until banner is tightened between each arm).
3. Tighten bottom arm (UpBott) in place using desired amount of tension on banner. The bottom arm should be rocked by hand into position. No tools are required for this procedure. Excessive force (hammering) will damage the castings and void the DBW warranty. "Rock the arm assembly in the casting slot by pushing down on the end of the fiberglass arm, and at the same time pressing the metal sleeve (at base of arm) downward. The arm will remain in position for you to tighten the two set screws.
*To remove banner, simply rock arm and release tension caused by banner (press fiberglass end down while raising opposite end of arm in casting slot).
4. Insert Thomas-Betts MX Series tie through grommet in banner (pole side) and completely circle pole. Connect the tie and cut excess length. Do this step at both the top and bottom of the banner. The tie secures the banner to the pole eliminating the possibility of the banner being blown off the arms due to high winds.



BANNER DIAGRAM