NOTE:
Lettering shall be
Clearview 1-W font

2" Letters

6" Symbol
Royal Blue
Solid With
White Symbol

0.875" Letters

0.5" Letters

RESERVED PARKING
FOR VEHICLES SHOWING DISABLED INSIGNIA OR LICENSE PLATE ONLY
POSTED PURSUANT TO SCOTTSDALE CITY CODE SEC. 17-124

MOUNTING OPTIONS (SEE PLANS)
A) Flexible P.E. Post With Surface Mount Base – Epoxy To Pavement Surface
B) Perforated Galvanized Tubing Per COS Detail 2131. Install In Landscape Areas Only.
C) Surface Mount To Structure
D) Mount As Detailed On Plans

GREEN BORDERS AND TEXT, and Blue Symbol on White Retroreflective Background (Typ.)
Background: ASTM Type IV Sheeting
Copy: Same As Above
Substrate: 0.080 Gauge Treated Aluminum

Bottom of Sign Shall Be
Five Feet Above Finish Surface

ACCESSIBLE SIGNAGE
One Sign At Each Accessible Parking Stall

REVISED 4/24/07

SEC. 17-124

POSTED PURSUANT TO
APPROVED BY:
Scottsdale Standards & Specifications Committee

DETAIL NO. 2124
City of Scottsdale Standard Details

DETAIL NO. 2124
ACCESSIBLE SIGNAGE

DETAIL NO. 2124
ACCESSIBLE SIGNAGE
NOTE:
1. Sign Post, Sleeve And Anchor Shall Be As Per COS Specification Section 402.3
SEE STANDARD DETAIL 2363 FOR FIRE HYDRANT MARKERS

RAISED PAVEMENT MARKER LAYOUT

LEGEND

C  - TYPE "G" WHITE, ONE WAY REFLECTIVE
D  - TYPE "D" YELLOW, TWO WAY REFLECTIVE

REFERENCE ADOT STD DRAWING M-19 FOR RAISED PAVEMENT MARKERS.

SEE STANDARD DETAIL 2363 FOR FIRE HYDRANT MARKERS
NOTES:
1. See COS Std Det 2225 Or 2226 For Typical Location.
2. Sign Posts Per COS Std Det 2131.

TYPE "A"

(AT SIGNALIZED INTERSECTIONS OR AS SHOWN ON PLANS AND FIRST & LAST NOSE ON A STRING OF MEDIANS)

Sign R4-7
24" x 30"

Type 1 Object Marker
18" x 18"

TYPE "B"

(ALL OTHER MEDIANS)

Vertical Option For Narrow Medians

Type 2H Object Marker (Horizontal)

2'-6"

NOTES:
1. See COS Std Det 2225 Or 2226 For Typical Location.
2. Sign Posts Per COS Std Det 2131.
**TYPE "A"**

- R6-1R or R6-1L
- 12” x 36” blank size
- 0.125 blank type
- Black legend and background, white arrow

**TYPE "B"**

- W1-6R or W1-6L, or W1-7 (double arrow)
- 24” x 48” or 30” x 60” blank sizes
- 0.125 blank type
- Black arrow and border, yellow background

**NOTES:**
1. Sign posts per COS Std. Detail 2131
2. Sign sheeting per COS Supplemental Specs. Section 402.3.
**TYPE A SIGNS**

ASTM Type IV Sheeting  
Green/White (2 Sides)

Typeface: Clearview 2-W  
Blank Sizes: 9”x 24”, 9”x 30”  
9”x 36”, 9”x 42”

Blank Type: .091 extruded aluminum

Sign imaging: must meet FWHA standards and must be acrylic based electronic cuttable film (1170 series or equivalent) or silk screen ink. All inks and films shall be graffiti resistant.

Intended Usage: Type "A" Street Name Signs shall be used in residential areas where Residential Streets intersect with Local Collector Streets. See the COS General Plan for Street Designations.

Arrows on sign panels typically point north or east in the direction of increasing address number.
STREET NAME SIGNS - TYPE B

DETAIL NO. 2134-2
City of Scottsdale
Standard Details
APPROVED BY:
Scottsdale Standards & Specifications Committee

STREET NAME SIGNS - TYPE B

**TYPE B SIGNS**
ASTM Type IV Reflective Sheeting
Green/White (2 Sides)
Typeface: Clearview 2-W
Blank Sizes: 10"x 36", 10"x 42"
Blank Type: 0.125 treated aluminum

Intended Usage: Type "B" Street Name Signs shall be used where a Residential Street or a Local Collector Street intersects with a street with a classification of Major Collector or larger. See the COS General Plan for Street Designations.

Type "B" Block Numbers to be mounted with Type "B" Street Name Signs. They shall be mechanically attached to the top of the Type B Street Name Sign using FHWA approved aluminum sign mounting brackets.

Sign imaging: Must meet FWHA standards. Must be acrylic based electronic cuttable film (1170 series or equivalent) or silk screen ink. All inks and films shall be graffiti resistant.

Arrows on sign panels typically point north or east in the direction of increasing address number.
**18" METRO SIGNS**

Proposed ASTM Type XI Reflective Sheeting

- Typestyle: Clearview 2-W or 3-W
- Blank Sizes: 18" x 48", 18" x 60", 18" x 72"
- Blank Type: 0.080 Treated Aluminum

Intended Usage: 18" Metro Street Name Signs shall be used on signalized minor roads with a speed limit of 35MPH or lower. See the COS General Plan for Street Designations.

Arrows on sign panels typically point north or east in the direction of increasing address number.
24" METRO SIGNS

Proposed ASTM Type XI Reflective Sheeting
Green/White (1 Side)
Typestyle: Clearview 2–W or 3–W
Blank Sizes: 24” x 60”, 24” x 72”, 24” x 84”
Blank Type: 0.125 Treated Aluminum

Intended Usage: 24” Metro Street Name Signs shall be used on signalized major roads with a speed limit of 35MPH or higher. See the COS General Plan for Street Designations.

Sign imaging: Must meet FHWA standards. Must be acrylic based electronic cuttable film (1170 series or equivalent) or silk screen ink. All inks and films shall be graffiti resistant.

For street names that would exceed maximum length sign blank use 8” upper and lower case letters

Arrows on sign panels typically point north or east in the direction of increasing address number.
Blank Type: 0.100 gauge treated aluminum
Sheeting: ASTM Type IV – green background
Typestyle: Clearview 2-W upper and lower case
Legend and Border: White

Sweetwater Ave
NOTES:

Street name sign and stop sign mounting height shall be measured from adjacent grade of sidewalk, top of curb or top of nearest pavement.

When no stop sign is required, the street name sign is mounted at 9 feet 6 inches.

When two street name signs are mounted one on top of the other, the height is measured to the bottom sign.

See COS Det 2131
For Anchor And Installation Details
Proposed ASTM Type XI (1 Side)  
Blank Sizes: 18” x 48”, 18” x 60”, 18” x 72”  
Blank Type: 0.080 Treated Aluminum  
Sign imaging: Must meet FHWA standards and must be acrylic based electronic cutting film (1170 series or equivalent) or silk screen ink. All inks and films shall be graffiti resistant.

Intended Usage: In advance of the specified street where a collector street intersects a minor/major arterial or expressway. Location determined by multiplying the posted speed limit by 10. Sign is typically placed in a center median when available, otherwise on the right hand side of the road.

See COS Det 2131 For Anchor And Installation Details

ADVANCE STREET NAME SIGNS

2136  City of Scottsdale Standard Details  Scottsdale Standards & Specifications Committee  detail no. 2136
All loop detectors shall be wire-in-duct type wire. (Detect-a-Duct or approved equivalent, #14 stranded inside 1/4” PVC tubing (IMSA 51-5). All loop detectors shall be centered in the middle of the applicable traffic lane. Loop shall be sufficiently dimensioned on the plans. Loop detectors shall extend five feet into the crosswalk unless directed otherwise by the Traffic Engineering Department. A rectangular loop with 3 turns (6 feet x 40 feet) shall be used for all through lanes. A quadrupole loop with 2 outside turns and 4 inside turns (6 feet x 40 feet) shall be used in all exclusive left-turn lanes. (Wire in middle cut shall run the same direction.) Loop detectors shall not be installed in exclusive right turn lanes. The location of permanent count detector loops shall be specified by the Traffic Engineering Department. Count detector loops shall consist of a minimum of 4 turns (6 feet x 6 feet).

Pre-formed loop detectors conforming to the latest ADOT specifications shall be used under decorative pavement, “pavers”, concrete, or other “special” roadway surfaces, or as directed by the Traffic Engineering Department. Lead-in cable between loop wire and controller shall be latest ADOT specification or approved equivalent (IMSA 50-2). Loop lead-in and splices in pull box shall be twisted and soldered. Griggs Loop Detector Sealant, 3-M Loop Sealant, or approved equivalent shall be used. Loops shall be installed prior to the installation of the final pavement lift (if part of a paving project). Loops shall be inspected and tested prior to acceptance by the City. See ADOT TS 7-1 for installation details.
NOTES:

1. Drilling of pole to be oriented according to pole layout, or as directed by C.O.S. Engineer in the field.

2. When two pedestrian push button assemblies are mounted on a small diameter pole the lower assembly shall be positioned upside down so that the push button is at the top and the sign is below.

3. Top mounting holes to be field drilled in order to allow for manufacturing variations.

4. Push button shall be A.D.A large target style (ADOT Type I).
1. Model 330 cabinet base extenders will include cutouts that will accommodate replacement with all other Scottsdale 330 cabinets and model 336S. These base extenders are available from the cabinet manufacturer. All Scottsdale cabinets are foundation mounted.

2. Foundation must include a 4"x30"x30" concrete pad in front of the cabinet door.

3. The cabinet shall be mounted in such a way that when the technician has the door open and is facing the cabinet, he is also facing the intersection.

4. Cabinet base extender shall have a 12" x 12" removable access panel. Base extender shall be installed so that access panel is on door side of cabinet.
1. All Scottsdale model 330 cabinet input racks have 14 slots.
2. Slots 1–8 are for vehicle detector loops.
3. Phase 4 loops are terminated on slot 4 (7A&B and/or 8A&B).
4. Phase 4 pedestrian push button is terminated on 19A and ppb neutral on 19B.
5. 19B shall have a jumper to the neutral bar.
6. All two phase intersections are to be wired to phases 2 and 4.
7. Field output wiring for 2 phase signals shall be wired to 2R, 2Y, 2G and 4R, 4Y, 4G.
8. Ped field wiring shall be wired to 9R, 9G (Phase 2 Ped) and 10R, 10G (Phase 4 Ped).
9. Call COS Traffic Signals (480)312-5635 prior to wiring cabinet for instructions for intersections with more than 2 phases.
# Tape Color Codes for Traffic Signal Wiring

## Main Directions

<table>
<thead>
<tr>
<th>Direction</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>Blue</td>
</tr>
<tr>
<td>EB</td>
<td>Green</td>
</tr>
<tr>
<td>NB</td>
<td>Red</td>
</tr>
<tr>
<td>SB</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

## Left Turn Directions (Main Color + White)

<table>
<thead>
<tr>
<th>Direction</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBLT</td>
<td>Blue + White</td>
</tr>
<tr>
<td>EBLT</td>
<td>Green + White</td>
</tr>
<tr>
<td>NBLT</td>
<td>Red + White</td>
</tr>
<tr>
<td>SBLT</td>
<td>Yellow + White</td>
</tr>
</tbody>
</table>

## Right Turn Directions (Main Color + Black)

<table>
<thead>
<tr>
<th>Direction</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBRT</td>
<td>Blue + Black</td>
</tr>
<tr>
<td>EBRT</td>
<td>Green + Black</td>
</tr>
<tr>
<td>NBRT</td>
<td>Red + Black</td>
</tr>
<tr>
<td>SBRT</td>
<td>Yellow + Black</td>
</tr>
</tbody>
</table>

## Color of Wire for Power/Neutrals/Pushbuttons

<table>
<thead>
<tr>
<th>Wire</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC+ Power</td>
<td>Black</td>
</tr>
<tr>
<td>AC- (Neutral)</td>
<td>White</td>
</tr>
<tr>
<td>24V Pushbutton</td>
<td>Orange, Stranded</td>
</tr>
</tbody>
</table>

WBLT = West Bound Left Turn and shall be the phase for vehicles facing west and turning to south
EBLT = East Bound Left Turn and shall be the phase for vehicles facing east and turning to north
NBLT = North Bound Left Turn and shall be the phase for vehicles facing north and turning to west
SBLT = South Bound Left Turn and shall be the phase for vehicles facing south and turning to east
WBRT = West Bound Right Turn and shall be the phase for vehicles facing west and turning to north
EBRT = East Bound Right Turn and shall be the phase for vehicles facing east and turning to south
NBRT = North Bound Right Turn and shall be the phase for vehicles facing north and turning to east
SBRT = South Bound Right Turn and shall be the phase for vehicles facing south and turning to west
NOTE:
1. 1/2" Expansion Joint, ASTM D-1751 Per MAG Section 729.

30' x 14' x 6" Thick Concrete Approach Slab With Thickened Edges, Class "B" Concrete w/ 6"x 6", 1.4 x 1.4 WWF, On Compacted Subgrade. Approach Slab Shall Have A Constant Slope Which Matches The Enclosure Slab.

Place 3-4" Dia. Steel Poles 60" Above Grade Cap Or Grout Full. Paint To Match Wall Color.

* In locations where a 30' approach slab is not possible, approval from the City of Scottsdale Quality Compliance Division is required.

APPROACH SLAB
THICKENED EDGE DETAIL

1. 1/2" Expansion Joint

Class "B" Concrete 2-#4 Bars Cont.

Class "B" Concrete 2-#4 Bars Cont.

3" Clr. 4" 12"

3" Clr. 4" 12"

#4 Dowels @ 24" O.C.

Wall Mesh

Finish Grade

1' - 4"

1' - 4"

4" Min.

18"

12"

2" Min.

APPROVED BY:
Scottsdale Standards & Specifications Committee

REFUSE ENCLOSURE

HEAD ON PICK-UP

SECTION A-A

8" CMU Or Block Or Stucco To Match Building

8" CMU Or Block Or Stucco To Match Building

8" CMU Or Block Or Stucco To Match Building
Place 4-4” Dia. Steel Poles 60” Above Grade, Cap Or Grout Full, Paint To Match Wall Color.

2-#4 Bars Cont.

Class “B” Concrete

3” Clr. (Typ.)

Slope To Drain (Typ.)

OR

Alternate Footing

Class “B” Concrete (Typ.)

2-#4 Bars Cont. (Typ.)

8” Dia. Steel Poles Typical

30' x 18' x 6” Thick Concrete Approach Slab With Thickened Edges, Class “B”
Concrete w/ 6” x 6” x 1.4 x 1.4 WWF, On Compacted Subgrade.
Approach Slab Shall Have A Constant Slope Which Matches The Enclosure Slab.

* In locations where a 30’ approach slab is not possible, approval from the City of Scottsdale Quality Compliance Division is required.

NOTES:
1. Enclosure For Angle Pick-up Similar To COS Detail 2146-1
2. 1/2” Expansion Joint, ASTM D-1751
   Per MAG Section 729.

APPROACH SLAB
THICKENED EDGE DETAIL

8” CMU Or Block Or Stucco
To Match Building

APPROVED BY:
Scottsdale Standards & Specifications Committee

REFUSE ENCLOSURE W/ GREASE CONTAINMENT AREA
**DOUBLE REFUSE ENCLOSURE**

1. **Double Enclosure For Angle Pick-Up**
   Similar To COS Det. 2146-1

2. **1/2” Expansion Joint, ASTM D-1751**
   Per MAG Section 729.

**Standard Details**

**City of Scottsdale**

**DETAIL NO. 2147-1**

**APPROVED BY:**
Scottsdale Standards & Specifications Committee

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**SECTION A-A**

8" CMU Or Block Or Stucco To Match Building

**APPROACH SLAB**

**THICKENED EDGE DETAIL**

- **Grout Cells Full**
- **#4 Dowels @ 24" O.C.**
- **8" Concrete**
- **Class "B" Concrete**
- **2-#4 Bars Cont.**
- **1'-0"**
- **3'-6"**
- **5'**
- **3'**
- **3'-6"**
- **5'**
- **3'**
- **1'-4"**
- **2'-2"**
- **1'-2"**
- **1'-4"**
- **4"**
- **4"**
- **3"**
- **Cir.**
- **Slope To Drain (Typ)**

**Gates Must Open To 21'-6" Clear**

**NOTE:**

- 30' x 23' x 6" Thick Concrete Approach Slab With Thickened Edges, Class "B" Conc. w/ 6"x 6", 1.4 x 1.4 WWF, On Compacted Subgrade. Approach Slab Shall Have A Constant Slope Which Matches The Enclosure Slab.

- In locations where a 30' approach slab is not possible, approval from the City of Scottsdale Quality Compliance Division is required.

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**REVISED 5/9/02**

To Match Wall Color.

(Gate Details Per Plans)
DOUBLE REFUSE ENCLOSURE W/ GREASE CONTAINMENT AREA

**NOTES:**
1. Double Enclosure For Angle Pick-Up Similar To COS Det. 2146-1
2. ½ Expansion Joint, ASTM D-1751 Per MAG Section 729.

* In locations where a 30’ approach slab is not possible, approval from the City of Scottsdale Quality Compliance Division is required.
**City of Scottsdale Standard Details**

**16' SLIDING GATE & HINGED DOOR**

**DETAIL NO. 2165-1**

**APPROVED BY:**
Scottsdale Standards & Specifications Committee

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**CHANNEL ANCHOR DETAIL**

- **8" Block Wall**
- **#4 Rebar Anchor Bolt @ 16" O.C.**
- **8" x 18.7 Steel Channel**
- **Weld Rebar To Channel**

**ELEVATION**

- **8' Block Wall**
- **1/2" Ø Stop Bolt Thru Square Tubing (Front)**
- **9'-0"l**
- **7'-8" H x 9' W Sliding Gate**
- **Make 2, 1 Opposite Hand**
- **4" Special Duty V-Groove Metal Wheel At Each End Of Gate**
- **Concrete Track Apron**
- **1 1/2 x 1 1/2 x 3/16 ∆ Track, 18' Long Each Side Of Opening Q And 4" From Wall Face, Anchor Per Section A-A.**

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**TRACK DETAIL**

- **1 1/2 x 1 1/2 x 3/16 ∆**
- **1/2" x 4" Stud Bolt**

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**HINGED DOOR**

- **Heavy Duty Door Hinge, Weld To Channel. 3 Pair**
- **8" x #18.7 Channel (Typ.) See Channel Anchor Detail**
- **Lockset As Approved By The City Of Scottsdale Water Production Manager**

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**GALVANIZED PANEL, 18 GAGE R-TYPE ROOFING MATERIAL PAINTED TO MATCH WALL WITH PLATED HEX SELF-DRILLING SCREWS, #8 x 3/4", Min. 12 Per Panel.**

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**Sliding Gate & Hinged Door**

- **Finish Grade**
- **Footing**
- **16 Ga. Heavy Duty Hollow Metal Door**
- **8" x #18.7 Channel (Typ.) See Channel Anchor Detail**
- **2" Square Weld Grout Solid (Typical)**
- **Weld Rebar To Channel**
- **8" x #18.7 Steel Channel**

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**REVISED 4/12/05**

**APPROVED BY:**
Scottsdale Standards & Specifications Committee
NOTES:

1. Contractor shall prime and paint all metal surfaces. Before application, the color and manufacturer of the paint shall be approved by the City.

2. Prior to painting, all surfaces shall be cleaned free of concrete, mortar, rust, dirt and any other objectionable materials.

3. Apply one (1) primer coat and two (2) exterior alkyd gloss enamel coats to metal.