

**2012**

# **City of Scottsdale**

**SUPPLEMENT TO  
MAG UNIFORM STANDARD  
DETAILS  
for  
PUBLIC WORKS CONSTRUCTION**



**EFFECTIVE AUGUST 1, 2012**

## 2100 Series General Information

|         |   |
|---------|---|
| 2120    | Survey Marker   |
| 2124    | Accessible Signage                                      |
| 2131    | Sign Post Installation                                  |
| 2132    | Raised Pavement Marker Layout                           |
| 2133-1* | Median Nose Signing – Type A & B                        |
| 2133-2  | Median Or Shoulder Signing                              |
| 2134-1  | Street Name Signs – Type A                              |
| 2134-2  | Street Name Signs – Type B                              |
| 2134-3  | Street Name Signs – 18" Metro                           |
| 2134-4  | Street Name Signs – 24" Metro                           |
| 2134-5  | Directional Street Name Sign                            |
| 2135    | Street Name Sign w/Stop Installation                    |
| 2136    | Advance Street Name Signs                               |
| 2137    | Loop Detectors  |
| 2138    | Signal Pole Drilling Detail                             |
| 2139    | Traffic Signal Controller Cabinet<br>Extender           |
| 2140    | Model 330 Input Rack Wiring Instructions                |
| 2141    | Tape Color Codes for Traffic Signal<br>Wiring           |
| 2146-1  | Refuse Enclosure  |
| 2146-2  | Refuse Enclosure With Grease<br>Containment Area        |
| 2147-1  | Double Refuse Enclosure                                 |
| 2147-2  | Double Refuse Enclosure With Grease<br>Containment Area |
| 2165-1  | 16' Sliding Gate & Hinged Door                          |
| 2165-2  | 16' Sliding Gate  |

## 2200 Series Street Information

|      |                                   |
|------|-----------------------------------|
| 2200 | Pavement Replacement              |
| 2201 | Trench Bedding & Backfill         |
| 2202 | Trench Plating                    |
| 2207 | Residential Unpaved Road          |
| 2210 | Grading Behind The Curb           |
| 2220 | Curb And Gutter – Types "A" & "B" |
| 2221 | Curb And Gutter – Types "M" & "W" |

## 2200 Series Street Information (cont'd)

|         |   |
|---------|---|
| 2225    | Median Nose & Reverse Curve Details                             |
| 2226    | Median Nose Details   |
| 2228    | Cut-Off Wall  |
| 2230    | Sidewalk Cutout For Utility Poles                               |
| 2231*   | Detectable Warning Surface                                      |
| 2232*   | Directional Sidewalk Ramps                                      |
| 2233-1* | Directional Sidewalk Ramps<br>Retrofit – Type A                 |
| 2233-2* | Directional Sidewalk Ramps<br>Retrofit – Type B                 |
| 2234*   | Shared Curb Sidewalk Ramp                                       |
| 2235-1* | Mid-Block Sidewalk Ramp – Type A                                |
| 2235-2* | Mid-Block Sidewalk Ramp – Type B                                |
| 2237    | Sidewalk Pavers (Non-Traffic Bearing)                           |
| 2239*   | Median Concrete Pavers  |
| 2240    | 6' Valley Gutter & Apron  |
| 2250    | Driveway Entrances  |
| 2255    | Residential Driveways   |
| 2256    | Commercial/Industrial Driveways–Type CL                         |
| 2257    | Commercial/Industrial Driveways–Type CH                         |
| 2258    | Commercial/Industrial Driveways–Type CI                         |
| 2265-1* | Bus Shelter – Foundation Plan                                   |
| 2265-2  | Bus Shelter – Framing Plan                                      |
| 2265-3  | Bus Shelter – Sections  |
| 2265-4  | Bus Shelter – Details   |
| 2265-5  | Bus Shelter – Details   |
| 2265-6  | Bus Shelter – Notes   |
| 2265-7  | Bus Shelter – Abbreviations                                     |
| 2266-1  | Closed End Bus Bay – Type "A"                                   |
| 2266-2  | Closed End Bus Bay – Type "B"                                   |
| 2267    | Far Side Bus Bay  |
| 2268    | Base Slab And Foundations For Bus<br>Stop Bench And Receptacles |
| 2270    | Frame & Cover Grade Adjustment                                  |
| 2282    | Multi-Use Path Striping And Signing                             |
| 2283    | Multi-Use Path Details  |
| 2284    | Multi-Use Path Wet Crossing Sign                                |

## 2200 Series Street Information (cont'd)

|         |                               |
|---------|-------------------------------|
| 2285    | Double Bicycle Rack           |
| 2290-1  | Median Island Details         |
| 2290-2  | Bulb Out/Choker Detail        |
| 2292-1* | Speed Table Details           |
| 2292-2  | Speed Table Details           |
| 2293*   | Mid-Block Pedestrian Table    |
| 2294    | Intersection Pedestrian Table |
| 2295    | Pedestrian Refuge             |

## 2300 Series Water Information

|        |   |
|--------|---|
| 2305-1 | Butterfly Valve Operator Manhole  |
| 2305-2 | Butterfly Valve Operator Manhole  |
| 2315   | Nonpotable Water Valve Box & Cover  |
| 2330   | Water Service Line Connection   |
| 2332   | Chlorine Injection Tap  |
| 2333   | Tap For Future Chlorine Injection   |
| 2342-1 | Pressure Reducing Valve   |
| 2342-2 | Pressure Reducing Valve   |
| 2345-1 | 3", 4", 6" Water Meter  |
| 2345-2 | 3", 4", 6" Water Meter  |
| 2346   | Temporary Construction Meter  |
| 2348   | Air / Vacuum Release Valve  |
| 2349   | Water Quality Sampling Station  |
| 2351   | Double Check Valve Backflow Prevention<br>Assembly For Assemblies 3" Thru 10"                 |
| 2352*  | Double Check Valve Backflow Prevention<br>Assembly For Assemblies 3/4" Thru<br>2 1/2"         |
| 2353   | Reduced Pressure Principle Backflow<br>Prevention Assembly For Assemblies<br>3" Thru 10"      |
| 2354*  | Reduced Pressure Principle Backflow<br>Prevention Assembly For Assemblies<br>3/4" Thru 2 1/2" |
| 2355*  | Pressure Vacuum Breaker Assembly For<br>Assemblies 1/2" Thru 2"                               |

NOTE: \* – New Or Revised Detail For 2012 Supplement

DETAIL NO.  
**2100-1****City of Scottsdale  
Standard Details**APPROVED BY:  
**Scottsdale Standards &  
Specifications Committee****INDEX**DETAIL NO.  
**2100-1**

**2300 Series****Water Information (cont'd)**

|        |   |
|--------|---|
| 2356   | Guard Posts For Backflow Prevention Assemblies  |
| 2357   | Fill Pipe Details For Portable Tanks With Air Gap Separation                                  |
| 2358   | Backflow Prevention Method For Portable Tanks With No Air Gap Separation                      |
| 2359*  | "N" Shaped Double Check Valve Backflow Prevention Assembly For Assemblies 3" Thru 10"         |
| 2360*  | "N" Shaped Reduced Pressure Principle Backflow Prevention Assembly For Assemblies 3" Thru 10" |
| 2361   | Fire Hydrant Bypass Assembly  |
| 2362-1 | 1-1/2" - 2" Fire Line Connection  |
| 2362-2 | 3" And Larger Fire Line Connection  |
| 2363   | Pavement Markers For Fire Hydrants  |
| 2364   | Fire And Emergency Access And Delineation   |
| 2365   | Fire Lane Sign  |
| 2366   | Concrete Collar For Fire Hydrants   |
| 2367*  | Remote Fire Department Connection   |
| 2368*  | Fire Sprinkler Riser Detail With Remote FD Connection   |
| 2369*  | Fire Sprinkler Riser Detail With Wallmount FD Connection                                      |
| 2370*  | Vertical Realignment Of Water Mains   |
| 2372   | Minimum Utility Separation Requirements   |
| 2374*  | Remote Fire Department Connection To Backflow Prevention Assembly                             |
| 2380   | Temporary Water Supply Hydrant Meter Assembly   |
| 2381   | Temporary Blow-Off For Water Supply   |
| 2382   | Temporary Water Service   |
| 2383   | Water Line Flushing Assembly  |
| 2397   | Electronic Ballmarker Placement   |
| 2398   | Antenna Mast Detail   |
| 2399   | Temporary Tap For Chlorine Injection  |

**2400 Series****Sanitary Sewer Information**

|      |   |
|------|---|
| 2401 | Sanitary Sewer Separation / Protection From Water & Utility |
| 2402 | Force Main Discharge Manhole                                |
| 2403 | Two-Way Force Main Cleanout, 3" & Above                     |
| 2404 | Force Main Cleanout With Sewage Air Release Valve           |
| 2405 | Sewer Air Release Valve                                     |
| 2420 | Water Tight Concrete Sewer Manhole                          |
| 2421 | Sanitary Sewer Manhole Cover                                |
| 2460 | Monitoring/Sampling Vault                                   |

**2500 Series****Storm Drain Information**

|         |  |
|---------|--|
| 2508*   | Handrail Detail  |
| 2515-1  | Wall Opening & Erosion Protection - Type 1                     |
| 2515-2  | Drainage Grate At Block Wall                                   |
| 2515-3* | Erosion Protection - Type 2                                    |
| 2520    | Storm Drain Manhole Cover                                      |
| 2535    | Catch Basin Grates   |
| 2554    | Concrete Invert Paving For Corrugated Metal Pipe And Pipe Arch |
| 2560-1  | Storm Drain Inlet Marker                                       |
| 2560-2  | Storm Drain Inlet Marker On Headwall                           |
| 2560-3  | Storm Drain Inlet Marker On Catch Basin/Scupper                |
| 2562-1  | Storm Sewer Outfall Access Barrier                             |
| 2562-2  | Barrier Specifications Schedule                                |

**2600 Series****Landscaping, Irrigation & Trail Information**

|         |   |
|---------|---|
| 2600-1  | Minimum Tree Size Requirements                                |
| 2600-2  | Minimum Tree Size Requirements                                |
| 2620-1* | Landscape Details   |
| 2620-2* | Landscape Details   |
| 2620-3* | Landscape Details   |
| 2620-4  | Landscape Details   |
| 2622*   | Landscape Concrete Header                                     |
| 2631*   | Irrinet Pedestal Mounted Controller                           |
| 2632*   | Scorpio Pedestal Mounted Controller                           |
| 2633*   | Scorpio Wall Mounted Controller                               |
| 2634*   | Irrinet Wall Mounted Controller                               |
| 2635-1  | Solar Controller  |
| 2635-2* | Solar Controller And Backflow Preventer Enclosure             |
| 2636    | Irrigation Push Button Control                                |
| 2641-1* | Single & Multi-Outlet Emitters                                |
| 2641-2* | Irrigation Emitter Layout                                     |
| 2642*   | Irrigation Trenching  |
| 2643    | Irrigation Thrust Block                                       |
| 2644    | Rotor Sprinkler Assembly                                      |
| 2645    | Pop-Up Sprinkler Assembly                                     |
| 2646    | Shrub Pop-Up Sprinkler Assembly                               |
| 2647*   | Drip Filter & Pressure Regulator                              |
| 2648*   | Emitter Flush Cap Assembly                                    |
| 2649    | Quick Coupler Assembly  |
| 2650*   | 1-1/2" & Smaller Mainline Ball Valve                          |
| 2651    | 2" & Larger Mainline Isolation Gate Valve                     |
| 2653*   | 1-1/2" & Larger Master Valve/Flow Meter                       |
| 2654*   | Remote Control Valve & Solar Controller Master Valve Assembly |
| 2655    | Typical Irrigation Wire Connection                            |
| 2656    | Irrigation Wire Sleeving Chart                                |
| 2680-1  | Trail Access Gates  |
| 2680-2  | Trail Access Gates  |
| 2681    | Trail Water Bars  |
| 2682    | Trail Safety Barriers   |
| 2683*   | Trail Signs   |
| 2684    | Trail Marker Sign   |

NOTE: \* - New Or Revised Detail For 2012 Supplement

DETAIL NO.

**2100-2****City of Scottsdale  
Standard Details**

APPROVED BY:

**Scottsdale Standards &  
Specifications Committee****INDEX**

DETAIL NO.

**2100-2**