



MARICOPA COUNTY
Department of Transportation

MEMORANDUM

Date: May 5, 2010

To: MAG Specifications and Details Committee

From: Robert Herz, MCDOT Representative

Subject: Proposed revision to Detail 110 – PLAN SYMBOLS

Case 10-11

PURPOSE: Update and expand graphic standards to have plans be more uniform among MAG agencies.

REVISION: Added line types and symbols, identify conduit material of underground utilities, require underground utility conduits greater than 12-inch diameter to be drawn to actual width.

Added line types:

- Right of way
- Property
- Easement
- Jurisdictional boundary
- Chain link fence
- Barbed wire fence
- Wood fence
- Block wall

Added symbols:

- Utility meter
- Monitory well
- Wood utility pole
- Steel utility pole
- Concrete utility pole
- Pole mounted light
- Signal pole
- Double post sign
- Cellular tower
- Pull box
- Video detection camera
- Traffic signal indication
- Left turn signal indication
- Right turn signal indication

SECTION LINE		CHAIN LINK FENCE	
R/W		BARBED WIRE FENCE	
EASEMENT		BLOCK WALL	
PROPERTY LINE (OPTION 1)		WOOD FENCE	
PROPERTY LINE (OPTION 2)		GAS LINE (12" & SMALLER)	
JURISTICTIONAL BOUNDARY (OPTION 1)		GAS LINE * (GREATER THAN 12")	
JURISTICTIONAL BOUNDARY (OPTION 2)		SEWER LINE (12" & SMALLER)	
ROADWAY CENTERLINE		SEWER LINE * (GREATER THAN 12")	
UNDERGROUND ELECTRIC BURIED CABLE		NEW STORM DRAIN PIPE *	
UNDERGROUND ELECTRIC CONDUIT		STORM DRAIN * (GREATER THAN 12")	
UNDERGROUND ELECTRIC DUCT BANK		IRRIGATION LINE (12" & SMALLER)	
OVERHEAD ELECTRIC		IRRIGATION LINE * (GREATER THAN 12")	
UNDERGROUND TELEPHONE LINE		NEW IRRIGATION LINE *	
OVERHEAD TELEPHONE LINE		WATER LINE (12" & SMALLER)	
FIBER OPTIC		WATER LINE * (GREATER THAN 12")	
CABLE TELEVISION			
OVERHEAD CABLE TELEVISION			
TELEPHONE DUCT BANK			

* SCALE TO ACTUAL WIDTH

DETAIL NO.
110-2



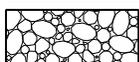
STANDARD DETAIL
ENGLISH

PLAN SYMBOLS

REVISED

DETAIL NO.
110-2

UTILITY METER 
 SEWER CLEANOUT 
 FIRE HYDRANT 
 WATER METER 
 UTILITY MANHOLE 
 IRRIGATION STANDPIPE 
 UTILITY VALVE 
 SEWER SERVICE CONNECTION 
 MONITORING WELL 
 REDUCER 
 WOOD UTILITY POLE 
 STEEL UTILITY POLE 
 CONCRETE UTILITY POLE 
 STREET LIGHT ON MAST ARM 
 POLE MOUNTED LIGHT 
 ELECTRIC, GAS METER 
 TRANSFORMER 

DOWN GUY & ANCHOR 
 CELLULAR TOWER 
 BITUMINOUS (SECTION) 
 CONCRETE (SECTION) 
 AGGREGATE BASE COURSE (SECTION) 
 RIPRAP (PLAN & SECTION) 
 OBLITERATE PAVEMENT 
 TAPERED MILL 
 UNIFORM MILL 
 EARTH (SECTION) 
 SURVEY MONUMENT 
 SURVEY MONUMENT IN HANDHOLE 
 MAIL BOX 
 SIGNAL POLE 
 SINGLE POST SIGN 
 DOUBLE POST SIGN 
 STREET NAME SIGN 

TRAFFIC SIGNAL INDICATION 
 LEFT TURN SIGNAL INDICATION 
 RIGHT TURN SIGNAL INDICATION 
 VIDEO DETECTION CAMERA 
 PULL BOX 
 'A' POLE W/TRAFFIC SIGNAL HEAD 

DETAIL NO.
110-1



STANDARD DETAIL
ENGLISH

PLAN SYMBOLS

REVISED

DETAIL NO.
110-1