



CONDUITS AND FITTINGS

UGS

DUCT MATERIAL AND TYPE MINIMUM REQUIREMENTS

CONDUIT MATERIAL TYPE	PVC EB-35	PVC SCH 40	FIBERGLASS	H.D.G. STD	PVC SCH 80
A. Primary System					
1. Straight Ducts:					
a. Concrete Encased	X				
b. Direct Buried					
- Commercial		X			
- Residential					
-4" or larger duct		X			
2. Riser Bends			X		
3. Riser Conduits					X
4. Horizontal Bends					
a. Concrete Encased	X				
b. Direct Buried		X			
5. Vertical Bends			X		
B. Secondary and Communication Systems					
1. Straight Ducts:					
a. Concrete Encased	X				
b. Direct Buried					
- Commercial		X			
- Residential					
- 3" Duct		X			
- 4" Duct		X			
2. Riser Bends					
a. Single Family Residential		X			
b. Riser Poles			X		
c. Commercial Building		X			
d. Riser bends less or equal to 2"				X	
3. Riser Conduits					
a. Single Family Residential		X			
b. Commercial Building		X			
4. Horizontal Bends					
a. Concrete Encased	X				
b. Direct Buried		X			
C. Street Light					
1. Riser Bends @ Pole less or equal to 2"				X	
2. Other Bends		X			
3. Straight Ducts		X			

Notes:

- Sweep minimum radius:
 - Primary ducts runs = 12.5' R
 - Secondary duct runs 4" & larger = 12.5' R.
 - Secondary duct runs 3.5" and smaller = 3' R.
- See UGS-115.1, and UGS-116 for riser bend requirements.
- Adapters shall be standard types subject to Department approval.
- No materials labeled as "pipe" will be accepted as conduit.
- Reference Standards are NEMA TC-8 for EB-35, and NEMA TC-2 for Schedule 40.
- No flex duct or offsets are allowed.

Revision

REVISION: Updated Notes. Added Fiberglass Bends DATE: 03/05/08

DATE: 03/24/08

APPROVAL: *George Somoano*