

WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

WATER LINE VALVE & VAULT

0101/14

W-8

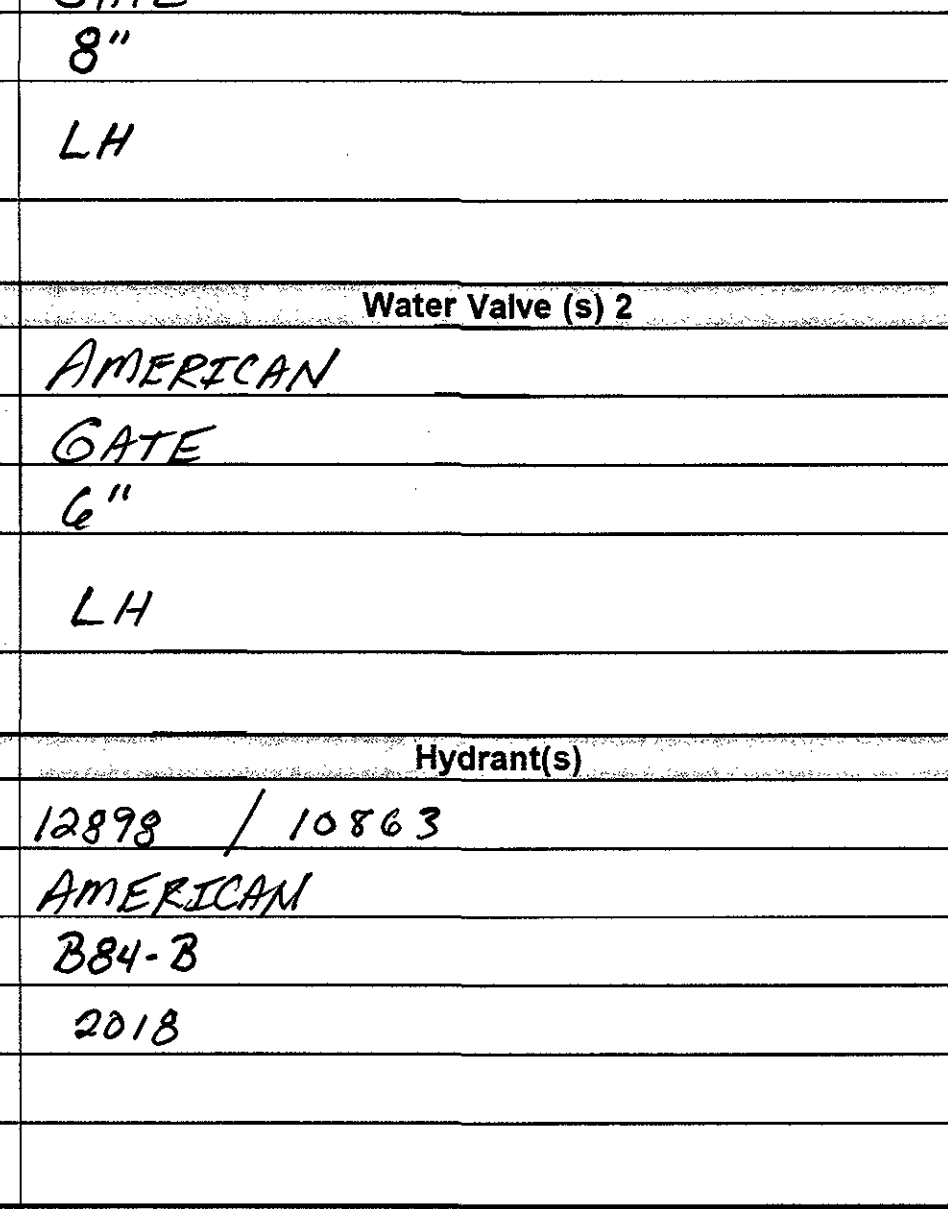
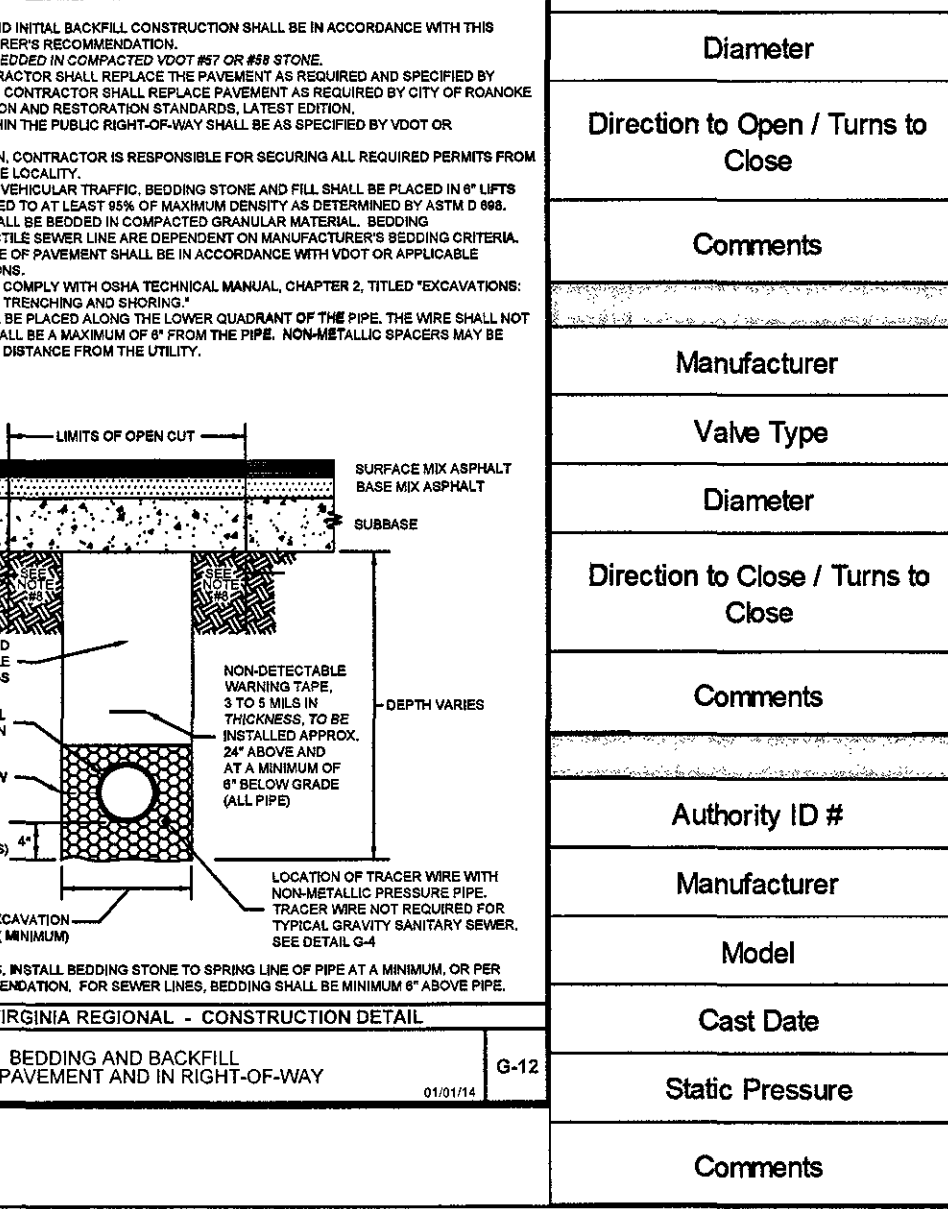
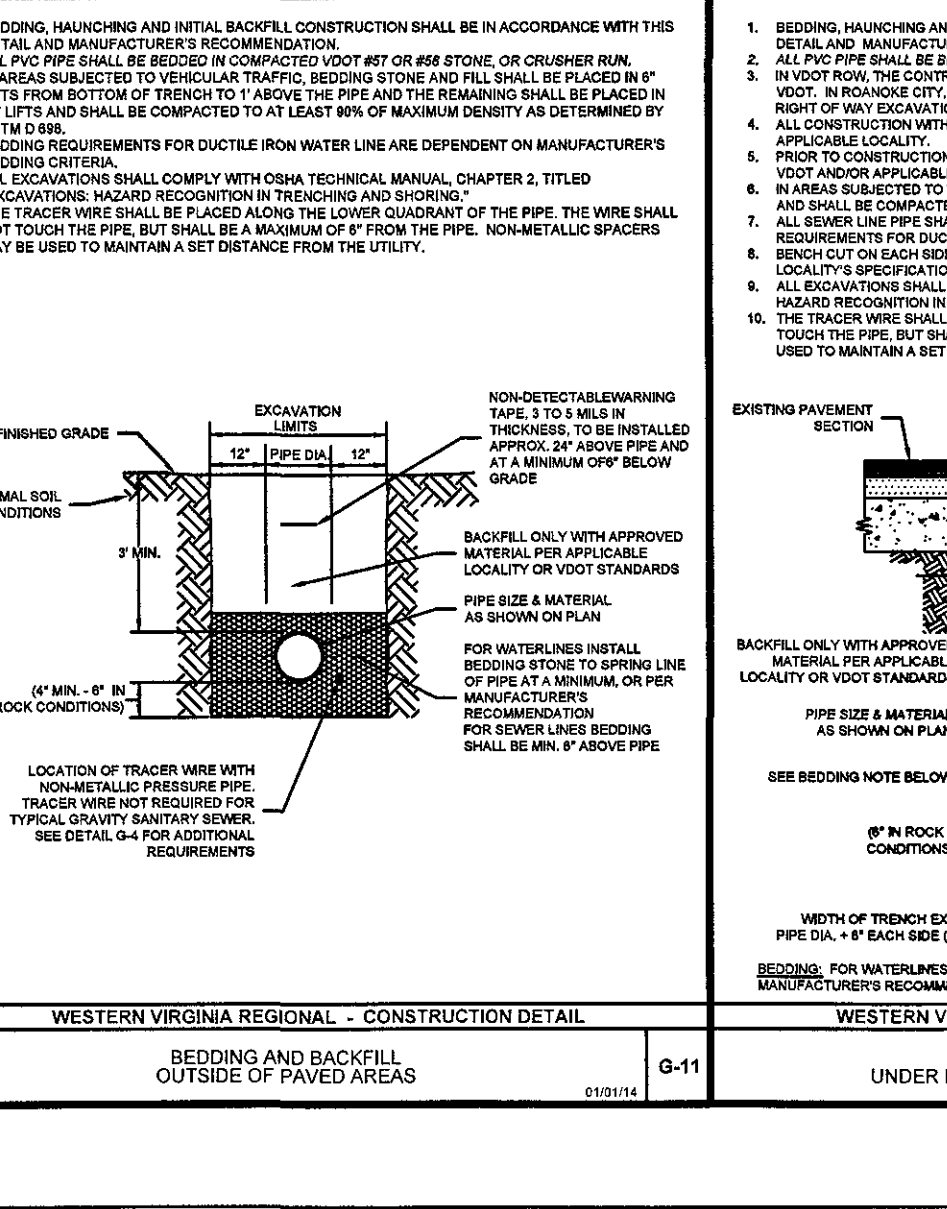
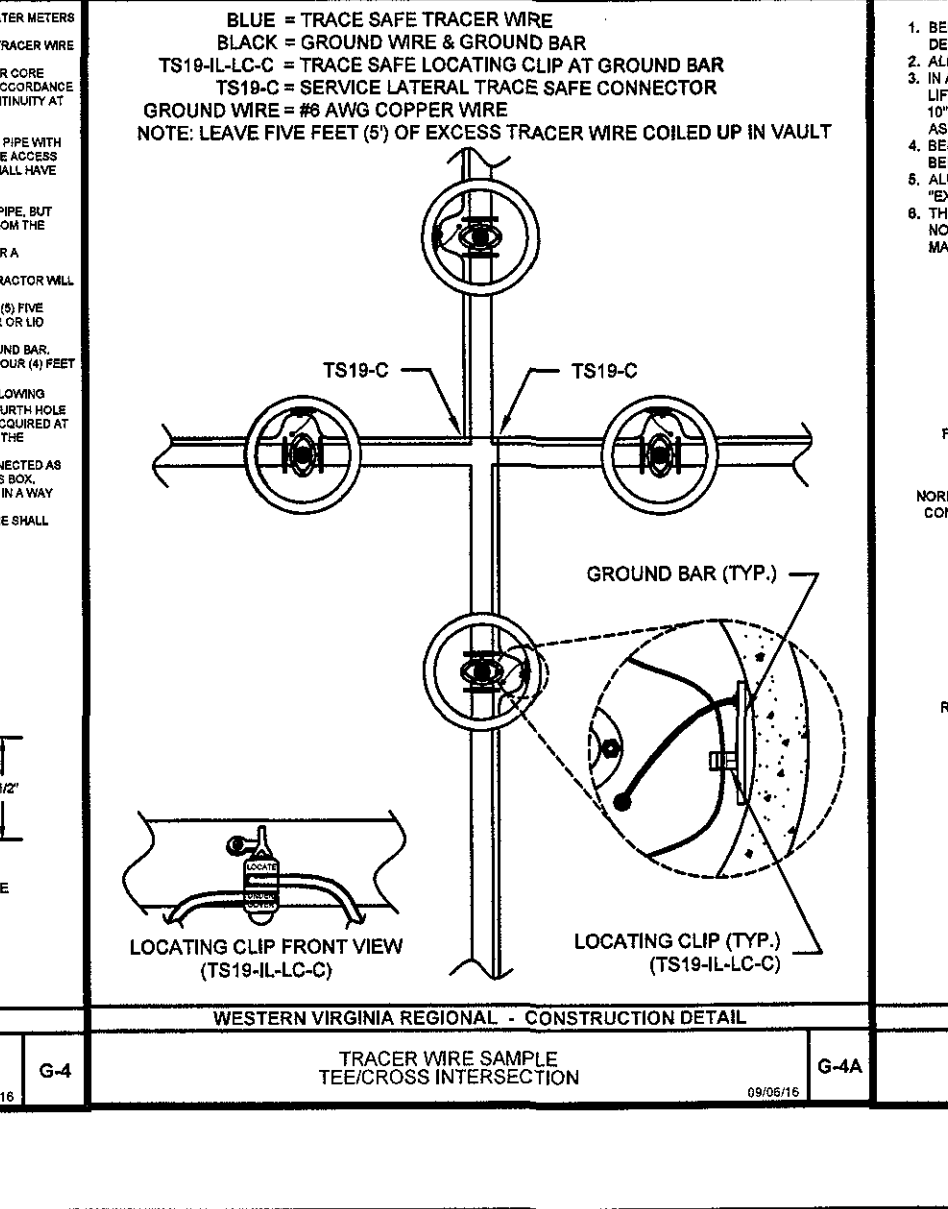
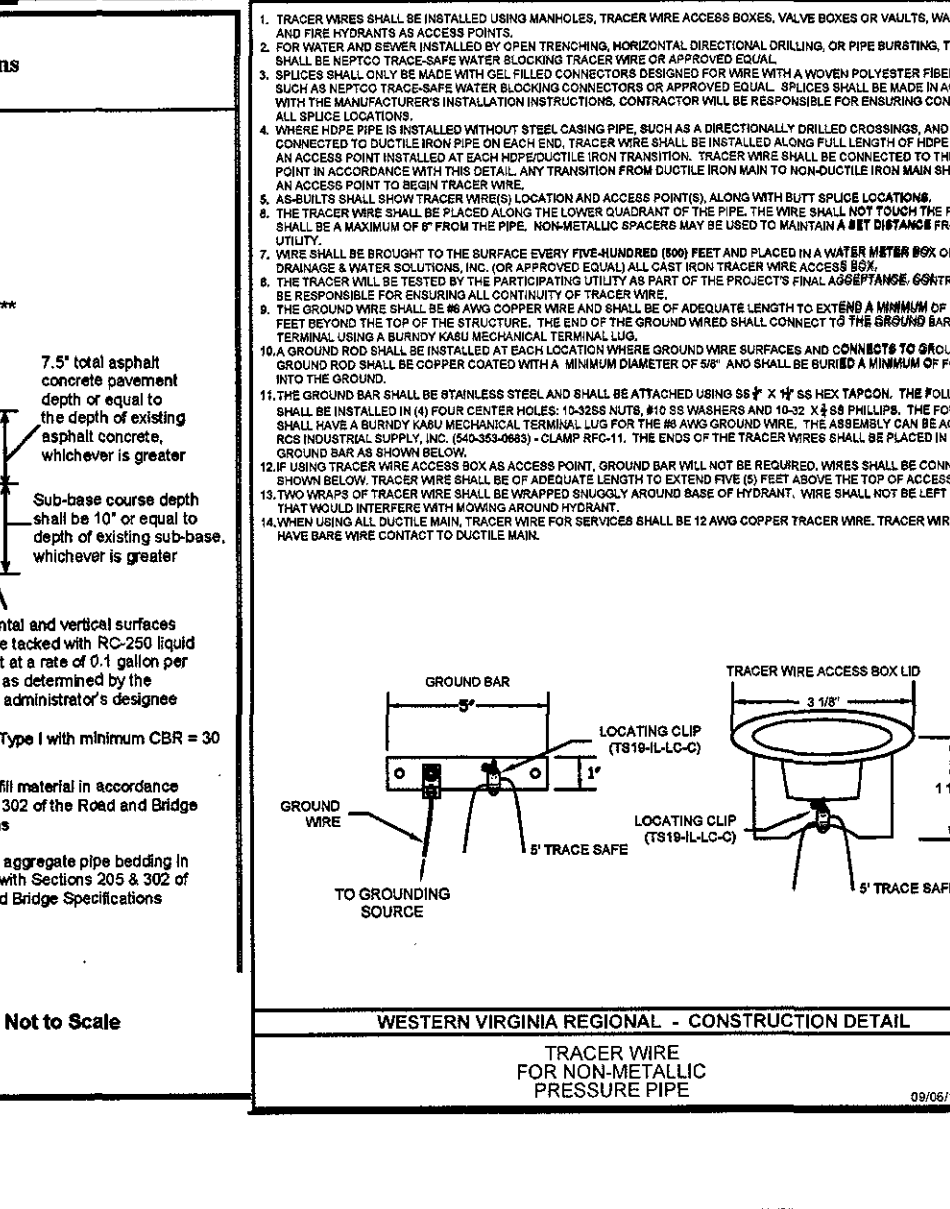
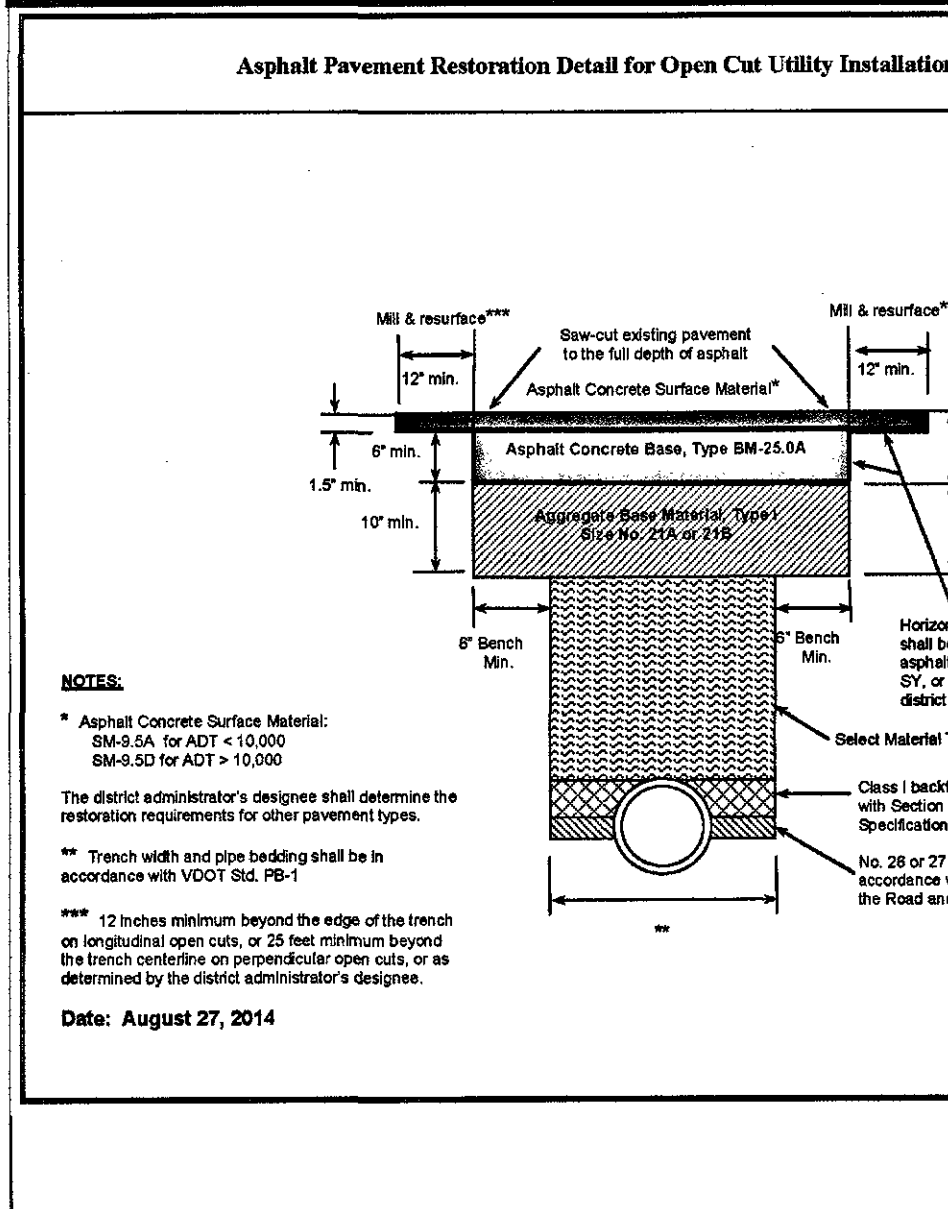
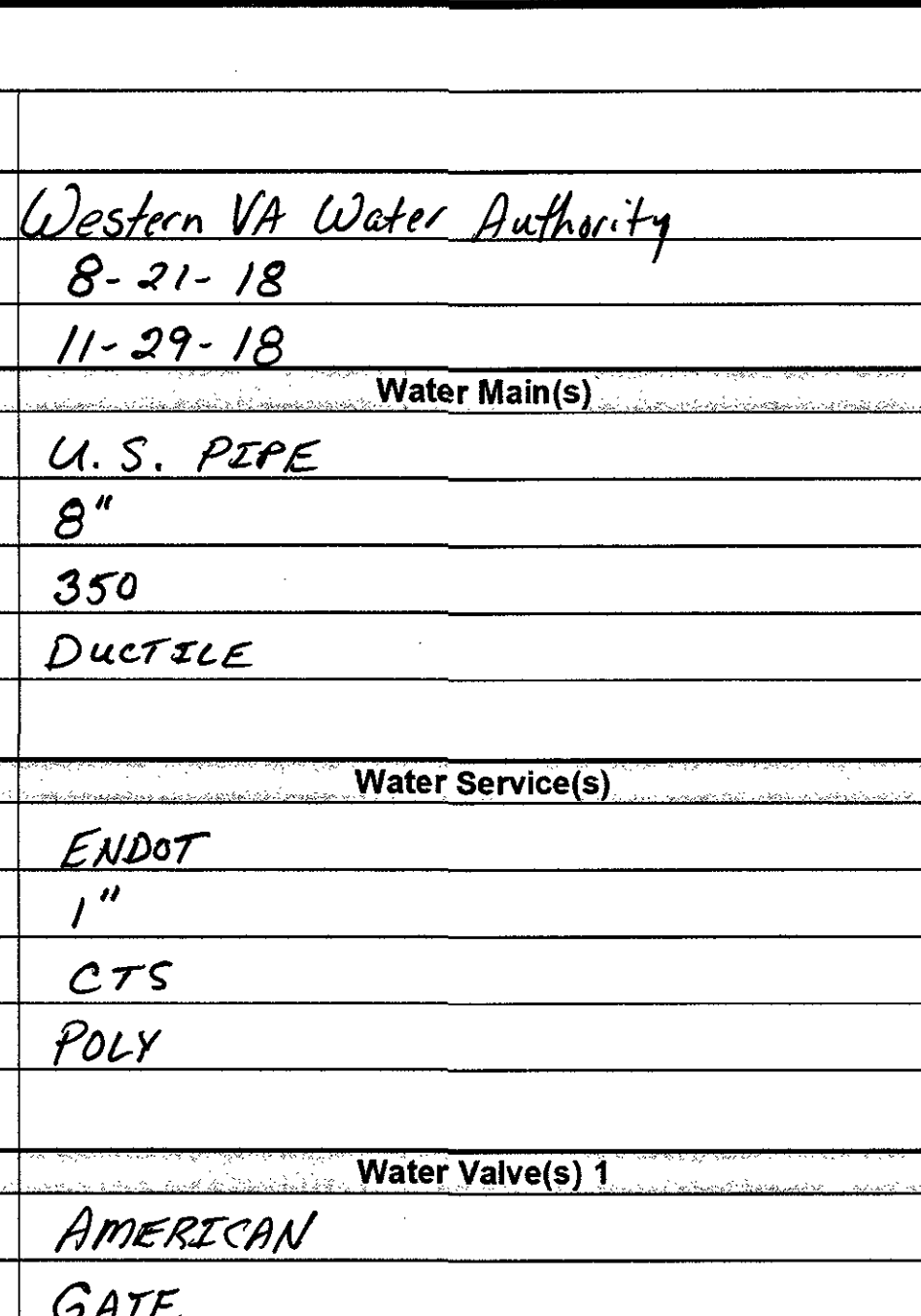
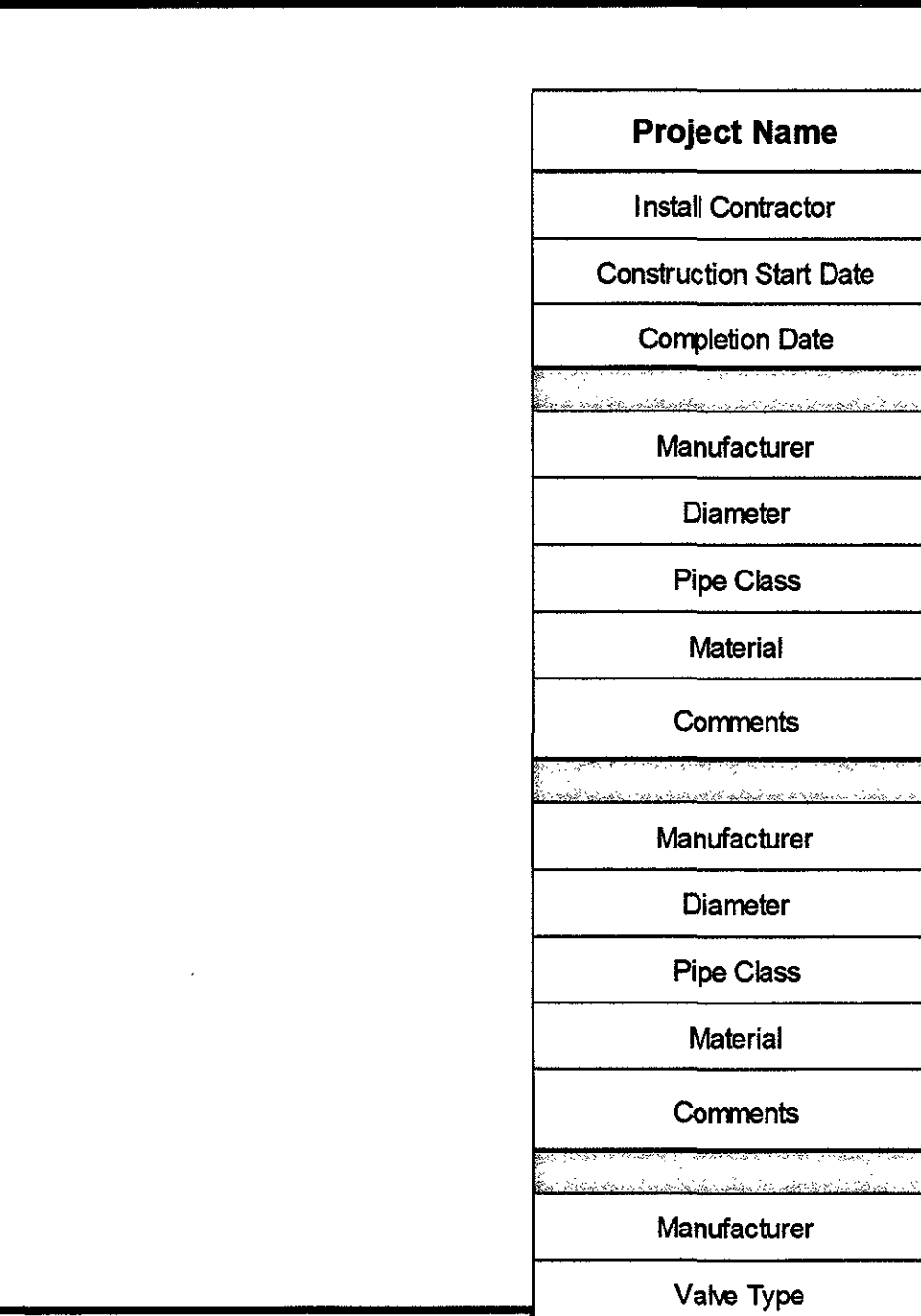
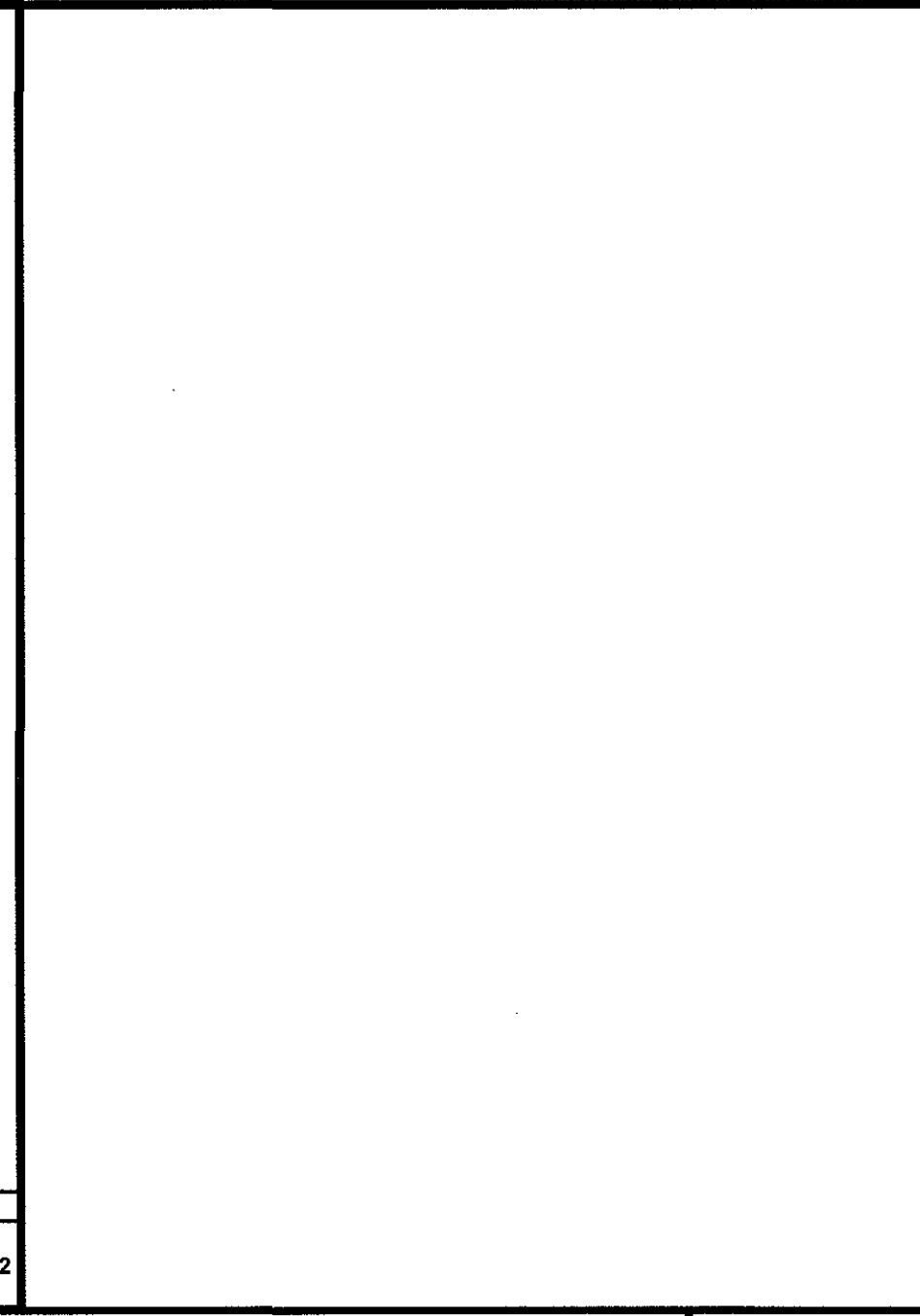
INSTALLATION OF DUCTILE IRON WATER MAINS

TABLE 4 - ALLOWABLE DEFLECTION

Nominal Pipe Size (inches)	Deflection Angle - θ (degrees)	Maximum Offset - θ (inches)			
		Joint Length (ft)	Joint Length (ft)	Joint Length (ft)	Joint Length (ft)
3	5°	19	21	205	230
4	5°	19	21	205	230
6	5°	19	21	205	230
8	5°	19	21	205	230
10	5°	19	21	205	230
12	5°	19	21	205	230
14	3°	11	12	340	380
16	3°	11	12	340	380
18	3°	11	12	340	380
20	3°	11	12	340	380
24	3°	11	12	340	380
30	3°	11	12	340	380

SEE FIGURE 4.

For 14-inch and larger push-on joints, maximum deflection angle may be larger than shown above. Consult the manufacturer.



Project Name		VANCOUVER WATER REPLACEMENT (WCIP – 309)		WATER DETAILS	
Install Contractor					
Construction Start Date					
Completion Date					
Water Main(s)					
Manufacturer					
Diameter					
Pipe Class					
Material					
Comments					
Water Service(s)					
Manufacturer					
Diameter					
Pipe Class					
Material					
Comments					
Water Valve(s) 1					
Manufacturer		By			
Valve Type		Date			
Diameter					
Direction to Open / Turns to Close					
Comments					
Water Valve (s) 2					
Manufacturer		Description			
Valve Type					
Diameter					
Direction to Close / Turns to Close					
Comments					
Hydrant(s)		Rev			
Authority ID #		Designed: AAS			
Manufacturer		Drawn: AAS			
Model		Checked: TEC			
Cast Date		Approved:			
Static Pressure		Date: 7/2/18			
Comments		Project:			
		5			
		Sheet 5 of 5			