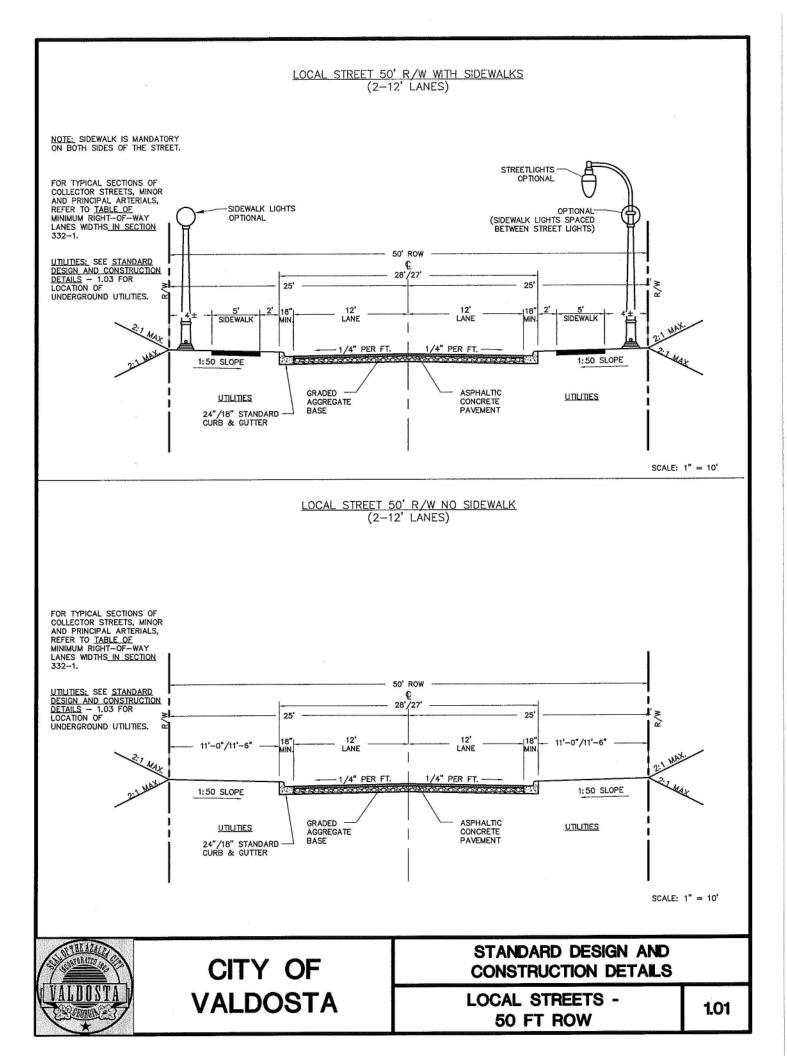
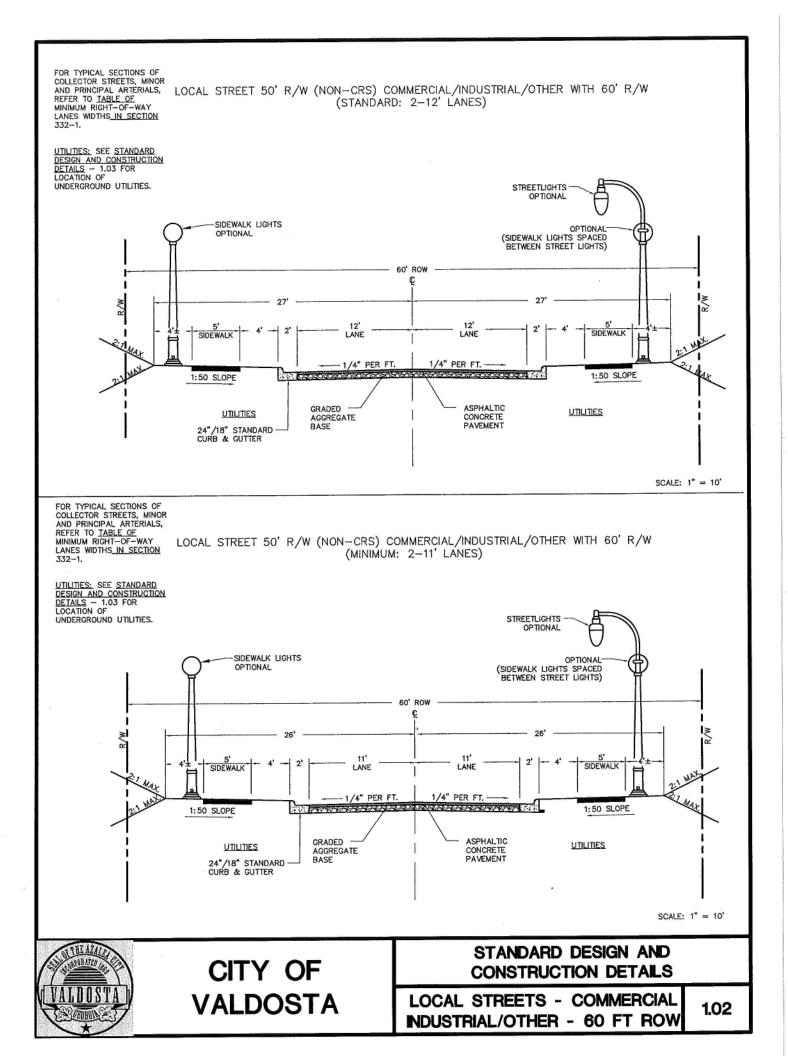
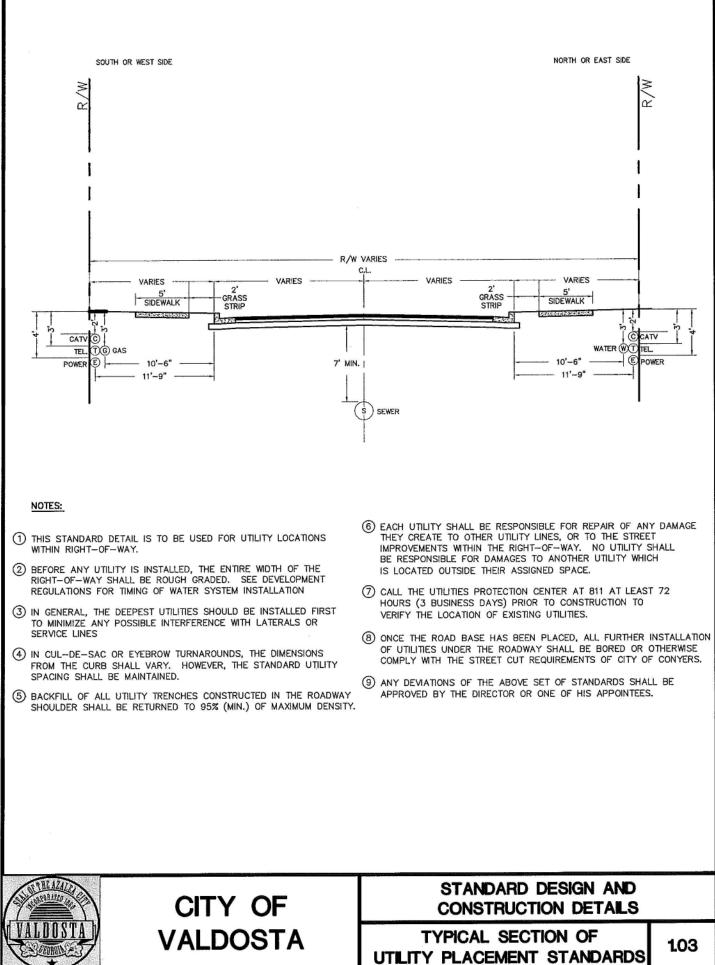
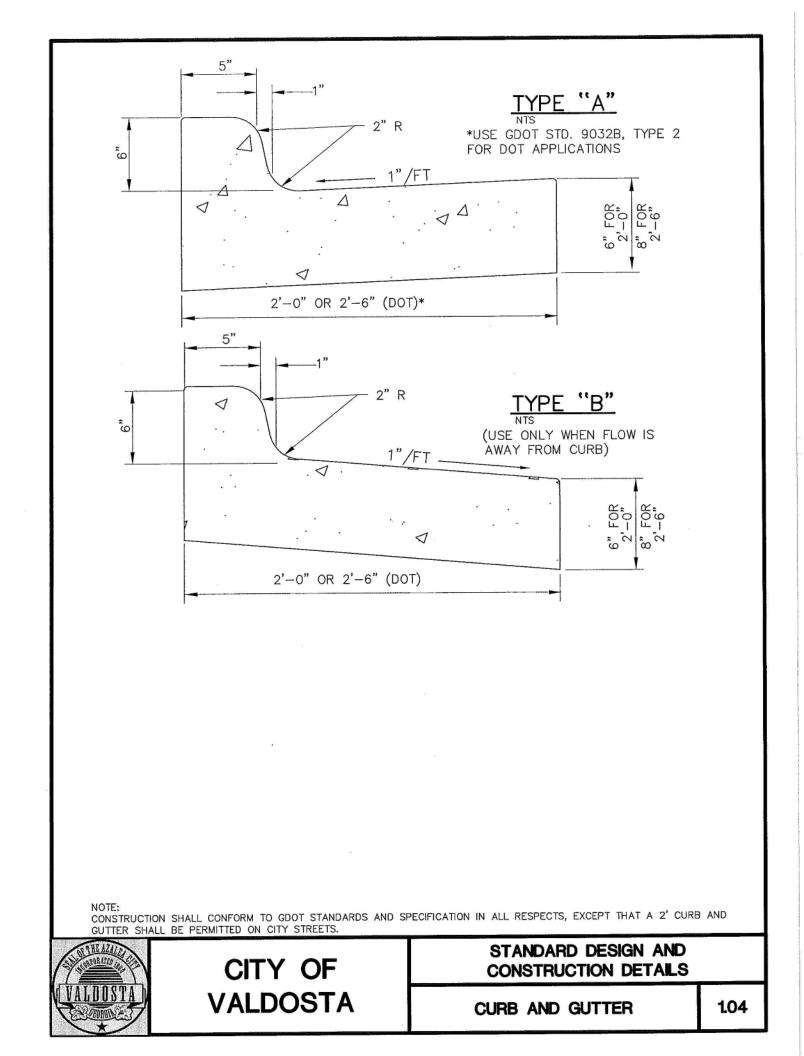
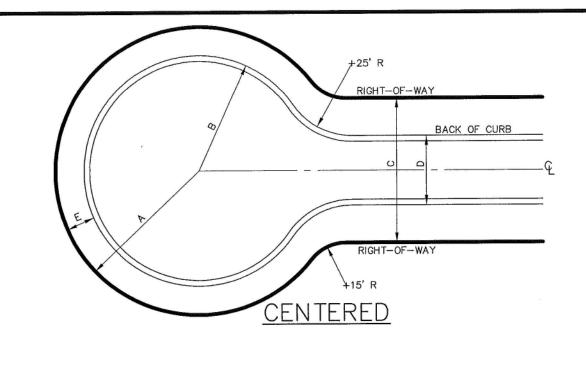
Appendix H – Standard Design and Construction Details

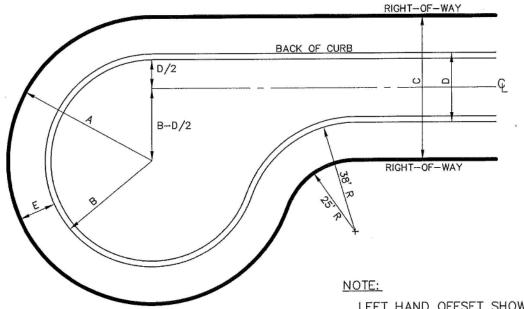












LEFT HAND OFFSET SHOWN RIGHT HAND OFFSET OPPOSITE

<u>OFFSET</u>

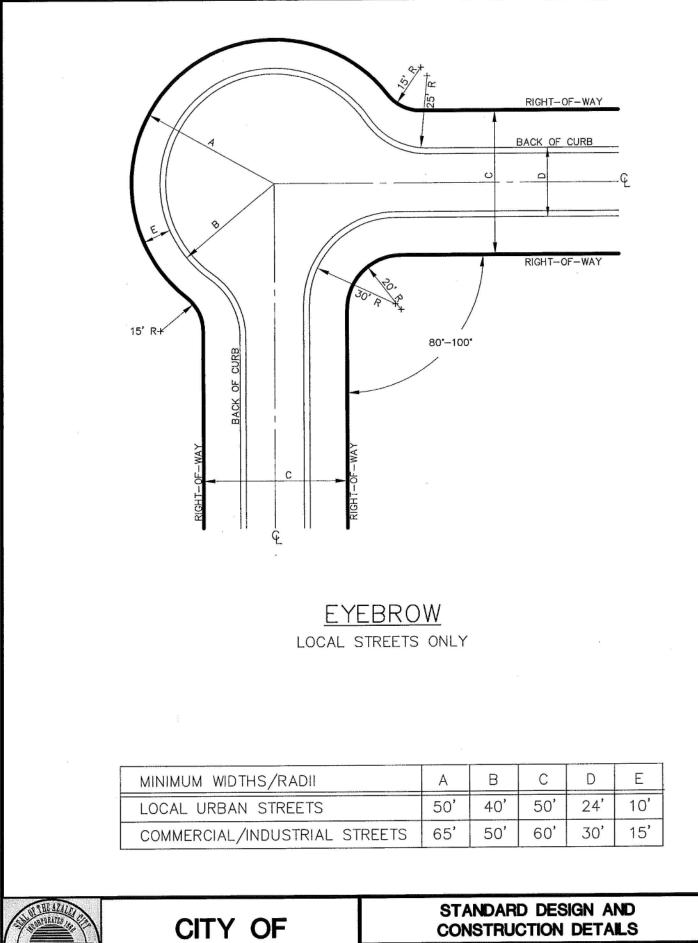
MINIMUM WIDTHS/RADII	A	В	С	D	E
RESIDENTIAL STREETS	50'	40'	50'	24'	10'
COMMERCIAL/INDUSTRIAL STREETS	65'	50'	60'	30'	15'



STANDARD DESIGN AND CONSTRUCTION DETAILS

STANDARD RESIDENTIAL/ COMMERCIAL CUL-DE-SAC

1.05



VALDOSTA

.1115

CONSTRUCTION DETAILS

STANDARD EYEBROW CUL-DE-SAC

1.06

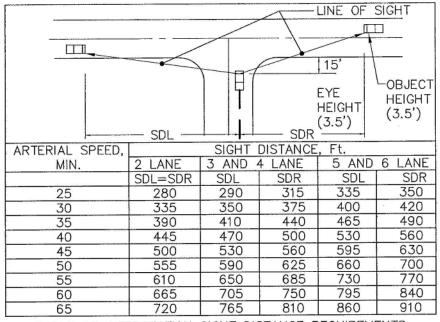


TABLE OF INTERSECTION SIGHT DISTANCE REQUIREMENTS

NOTES:

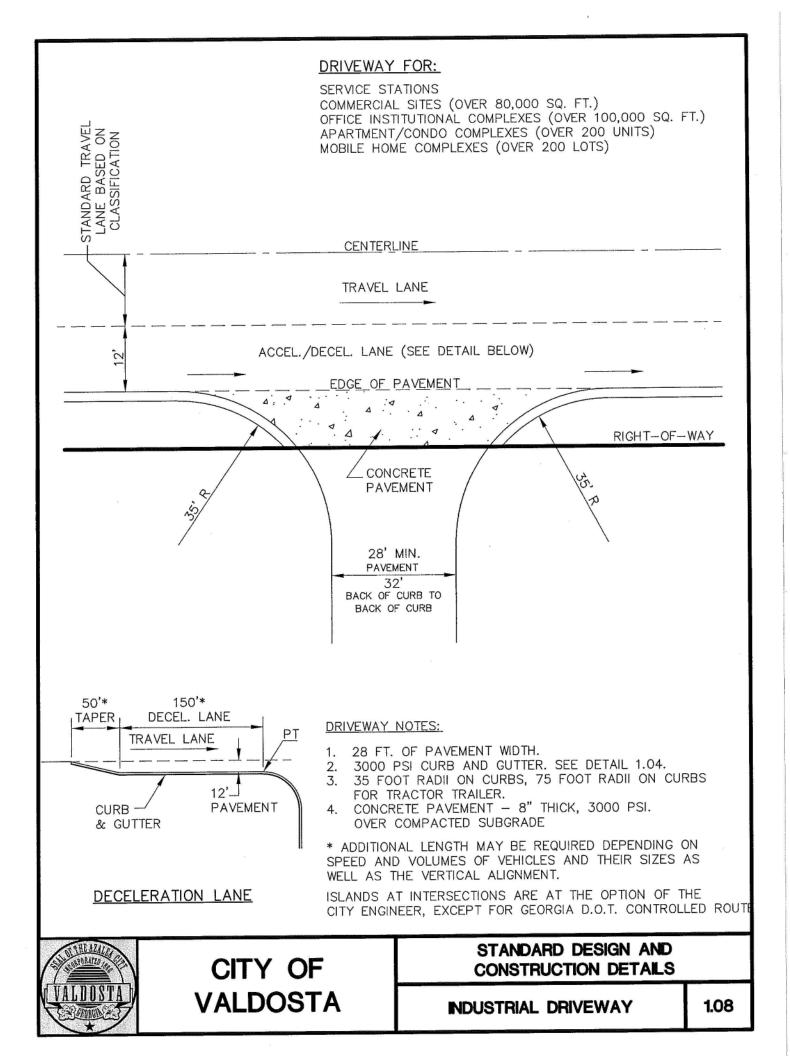
- 1. INTERSECTION SIGHT DISTANCE SHALL BE CALCULATED USING THE METHOD DESCRIBED IN AASHTO. THE SIGHT DISTANCE CRITERIA ARE BASED ON THE TIME REQUIRED FOR A VEHICLE TO MAKE A LEFT TURN FROM A STOP CONTROLLED APPROACH TO THE STATE HIGHWAY (AASHTO CASE B1). THE TIME TO EXECUTE THE MANEUVER IS BASED ON RECOMMENDATIONS CONTAINED IN NCHRP REPORT 383, INTERSECTION SIGHT DISTANCE. THE SIGHT DISTANCES, FOR A TWO-LANE ROAD, ARE THE DISTANCES TRAVELED AT THE ARTERIAL SPEED DURING 7.5 SECONDS. THE TIME IS INCREASED BY 0.5 SECONDS FOR EACH ADDITIONAL LANE TO BE CROSSED.
- 2. IF THE CALCULATED LINE OF SIGHT IS NOT ENTIRELY WITHIN THE RIGHT-OF-WAY, A SIGHT DISTANCE EASEMENT SHALL BE DEDICATED TO THE CITY OF VALDOSTA. THIS EASEMENT SHALL PRECLUDE THE CONSTRUCTION OF ANY SIGN, BUILDING, WALL, OR OTHER STRUCTURE THAT WILL OBSTRUCT VISION. IN ADDITION, LANDSCAPING SHALL BE LIMITED TO LOW GROWING SPECIES THAT WILL NOT IMPACT THE REQUIRED LINE OF SIGHT.
- 3. DRIVEWAYS SHOULD BE LOCATED TO PROVIDE ADEQUATE SIGHT DISTANCE. MINIMUM INTERSECTION SIGHT CRITERIA ARE PROVIDED IN "TABLE OF INTERSECTION SIGHT DISTANCE REQUIREMENTS." THE LINE OF SIGHT ESTABLISHES THE BOUNDARY OF A SIGHT TRIANGLE, WITHIN WHICH THERE SHOULD BE NO SIGHT OBSTRUCTION.
- 4. THE SIGHT DISTANCES GIVEN IN THE TABLE ARE FOR UNDIVIDED HIGHWAYS. IF THE HIGHWAY IS DIVIDED, THE EFFECT OF THE MEDIAN SHOULD BE CONSIDERED IN DETERMINING THE REQUIRED SIGHT DISTANCE. BASED ON THE CONDITIONS, IT MAY BE FEASIBLE FOR THE CROSSING MANEUVER TO BE DONE IN TWO STAGES WITH A STOP IN THE MEDIAN. HOWEVER, THE INTERSECTION SHOULD ONLY BE TREATED IN THIS MANNER IF THE SIGNING AND MARKING IS ACCORDINGLY PROVIDED. OTHERWISE, THE SIGHT DISTANCE REQUIREMENTS SHOULD BE INCREASED TO ACCOUNT FOR THE ADDITIONAL WIDTH THAT MUST BE CROSSED. SEE AASHTO GREEN BOOK, CHAPTER 9 INTERSECTIONS, FOR ADJUSTMENTS DUE TO GRADES GREATER THAN 3% AND DESIGN VEHICLES OTHER THAN PASSENGER CARS.

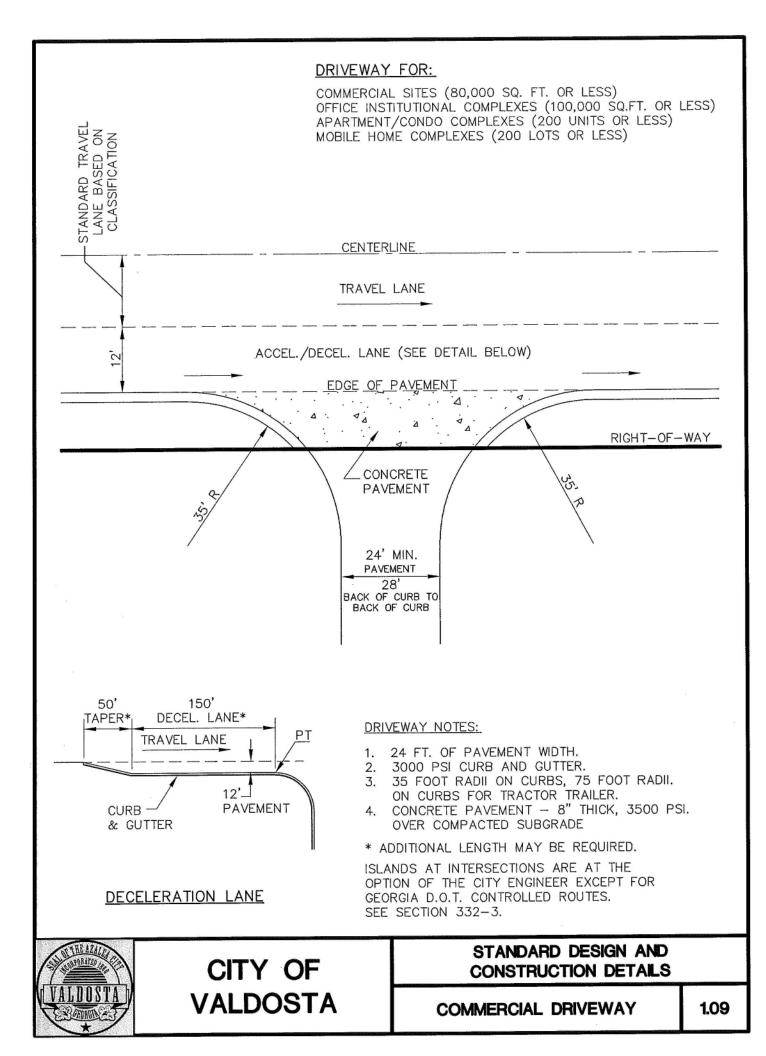


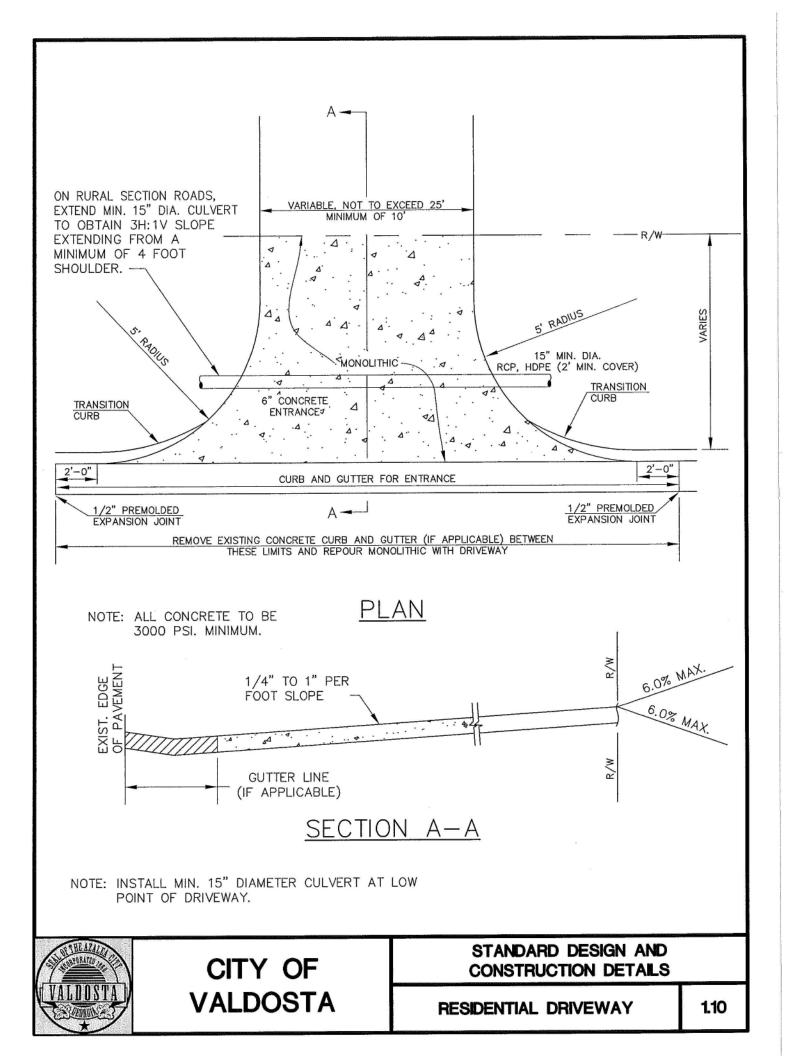
CITY	OF
VALDO	OSTA

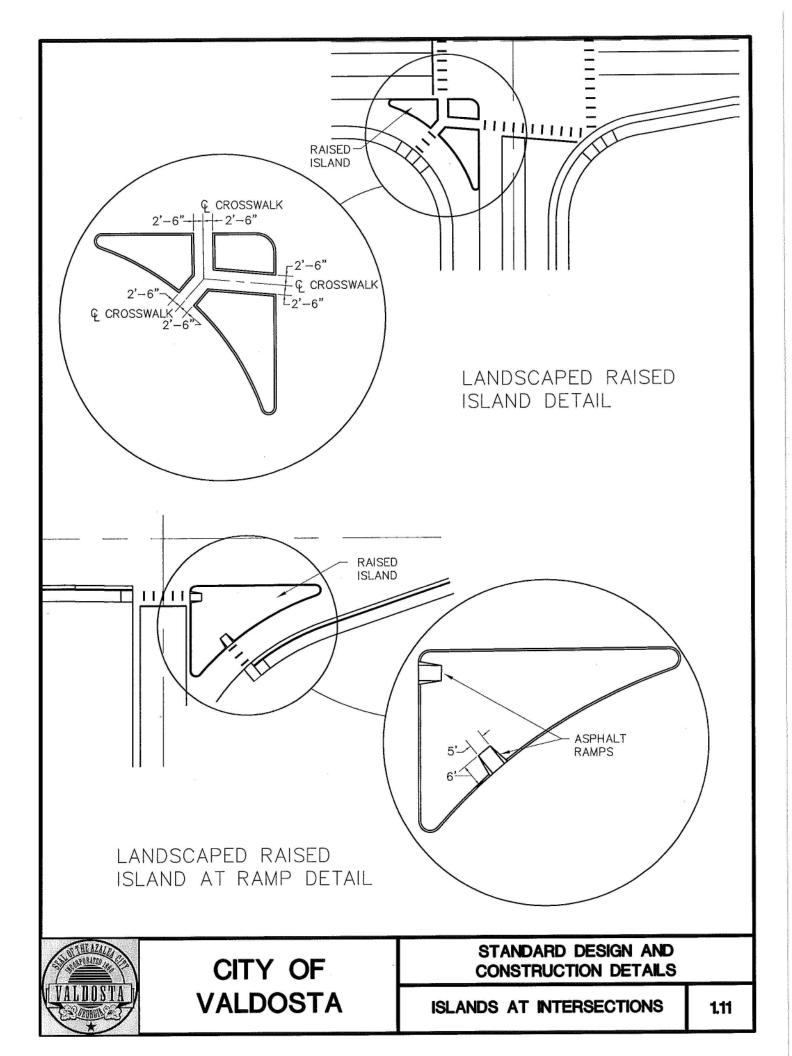
STANDARD DESIGN AND CONSTRUCTION DETAILS

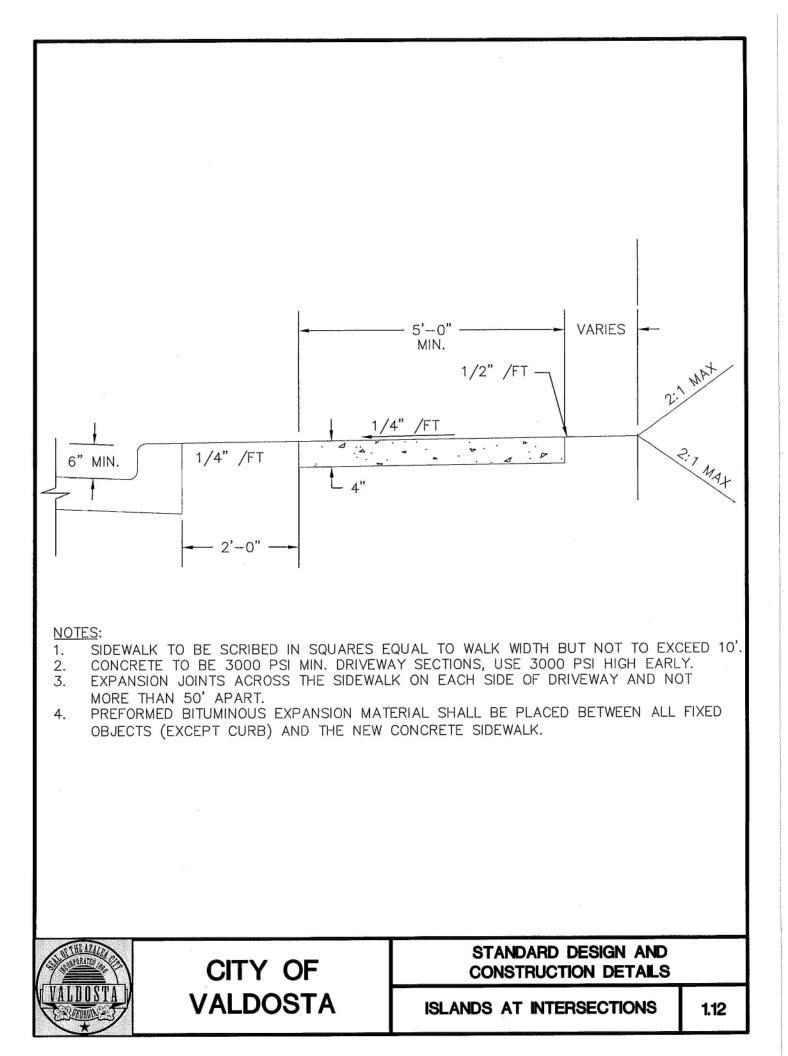
INTERSECTION SIGHT DISTANCE

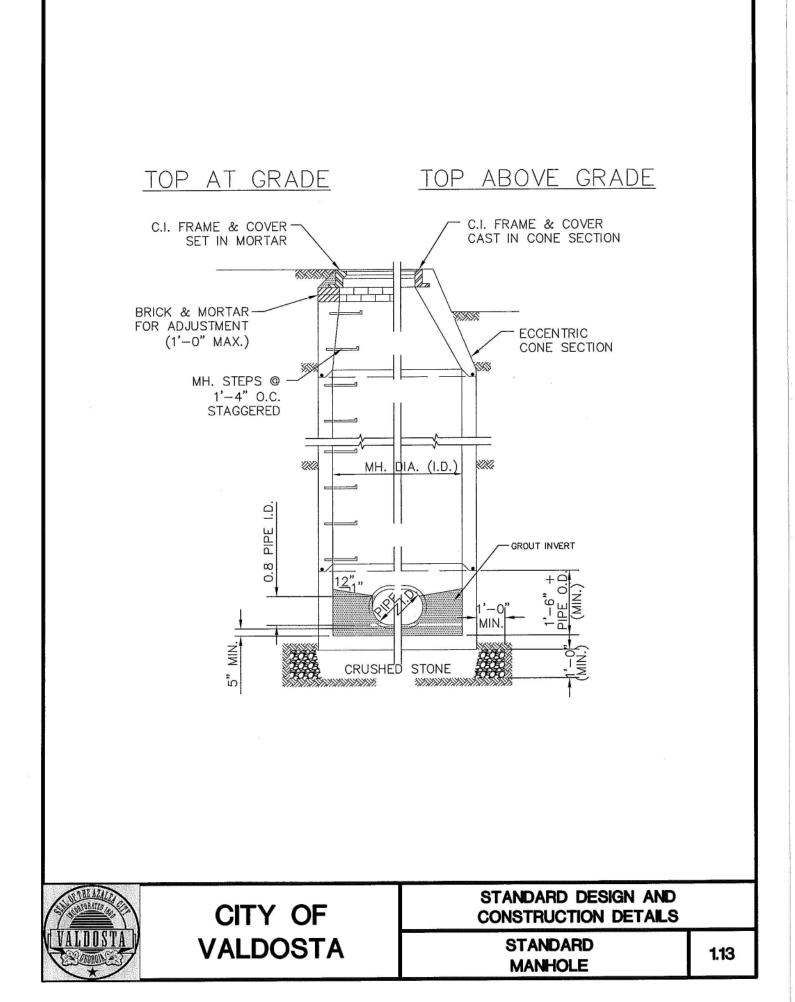


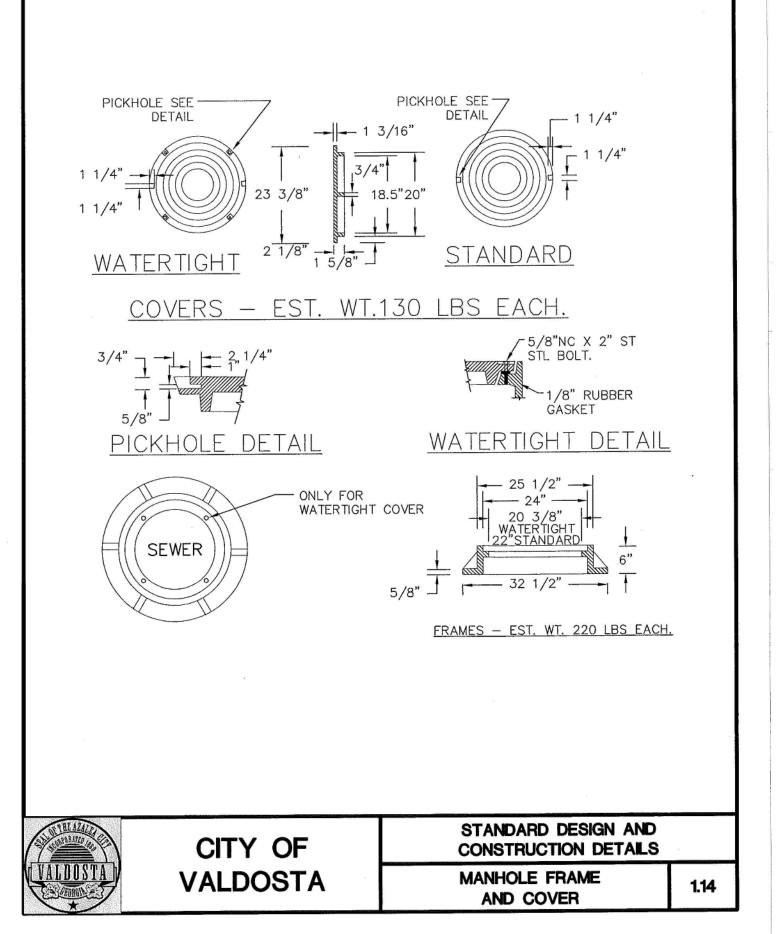




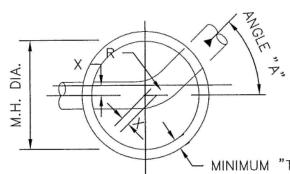








WAIN SEWER THU R



MINIMUM "T" WALL THICKNESS

	STANDARD MANHOLE SCHEDULE										
OF GOVERNING DIMENSIONS											
	ΈS	IZE	AN(GLE "A"	MH. DIA.		"X"				
8"	TO	15"	0°	TO 90°	4'-0"	5"	0"				
18"	TO	24"	0°	TO 60°	4'-0"	5"	0"				
18"	TO	24"	60°	TO 90°	5'-0"	6"	6"				
27"	TO	30"	0°	TO 30°	5'-0"	6"	0"				
27"	TO	30"	30°	TO 60°	5'-0"	6"	6"				
27"	TO	30"	60°	TO 90°	6'0"	7"	8"				
	36"		0°	TO 90°	6'0"	7"	0"				
	42"		0°	TO 60°	7'-0"	8"	8"				
	42"		60°	TO 90°	8'-0"	9"	6"				
	48"		0°	TO 45°	8'-0"	9"	6"				

NOTE:

MINIMUM € RADIUS (R) OF M.H. INVERT = 1.5 x PIPE DIAMETER

TYPICAL PLANS

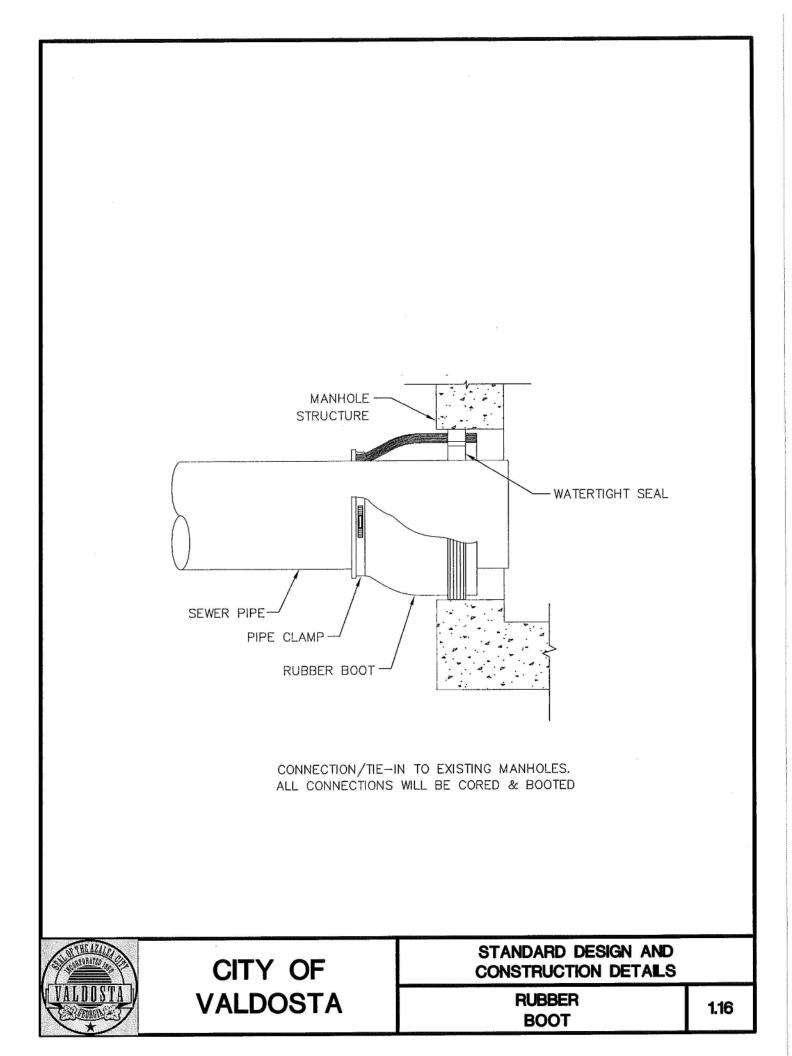
NOTE TO USER:					
THIS DETAIL IS	TO	ΒE	USED	WITH	
RUBBER BOOT.					

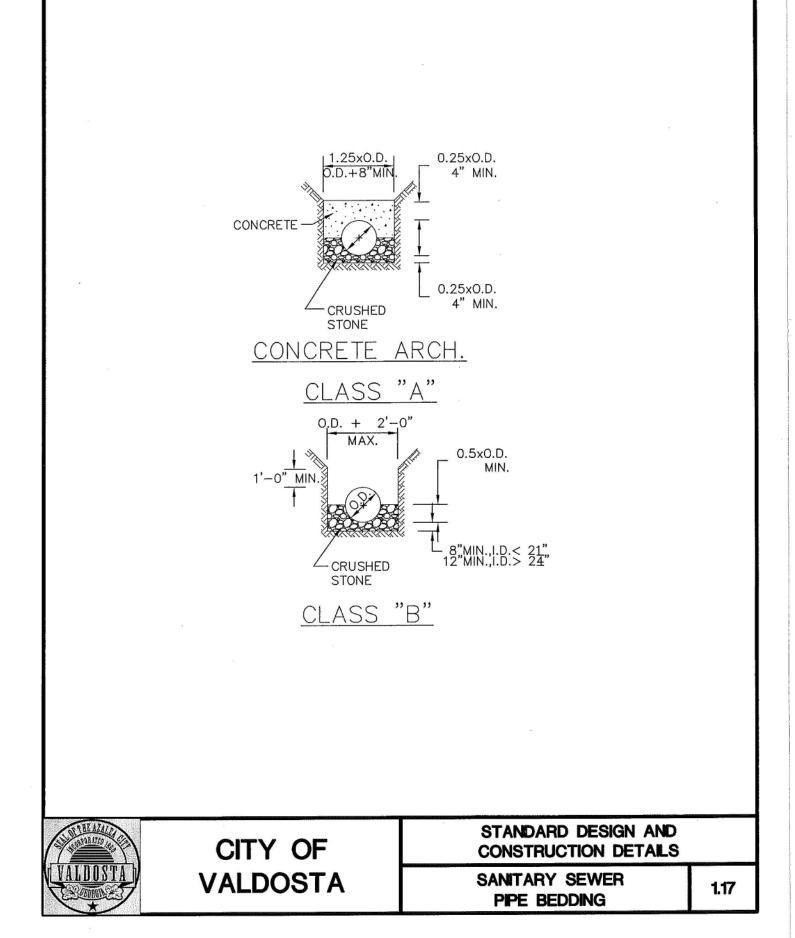


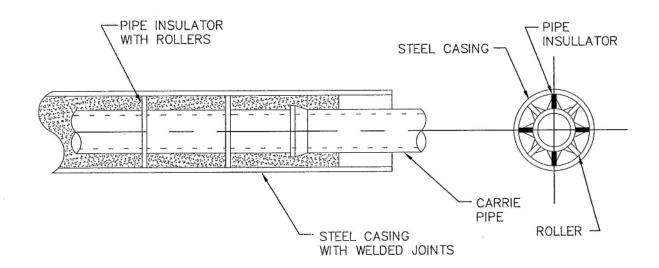
CITY OF VALDOSTA

STANDARD DESIGN AND CONSTRUCTION DETAILS

MANHOLES SCHEDULE OF DIMENSIONS







NOTES

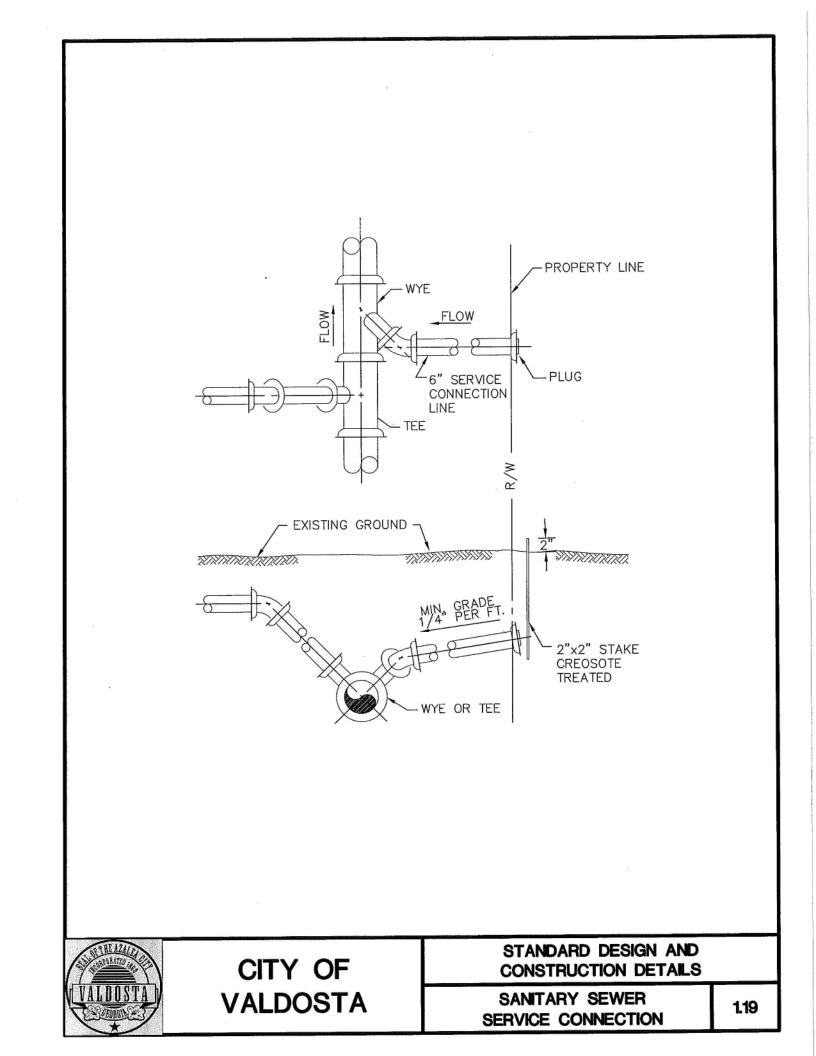
- 1. STEEL CASING SHALL HAVE AN INSIDE DIAMETER LARGE ENOUGH TO FACILITATE CARRIER PIPE TYPE, BELLS AND PIPE INSULATORS. STEEL CASING SHALL EXTEND 5' MINIMUM DISTANCE PAST EDGE OF PAVEMENT ALONG ROADWAY. THE INSTALLATION METHODS FOR BORING OPERATIONS AND MATERIALS SHALL BE DETERMINED BY THE CITY ENGINEER.
- 2. FOR PIPE INSULATOR AND ROLLERS SHALL BE IN ACCORDANCE WITH CARRIER PIPE MANUFACTURER'S RECOMMENDATIONS. CASING SPACERS WILL BE STAINLESS STEEL.
- 3. EACH END OF CASING WILL BE SEALED WITH CONCRETE.
- 4. MINIMUM 3 SPACERS/JOINT OF PIPE.

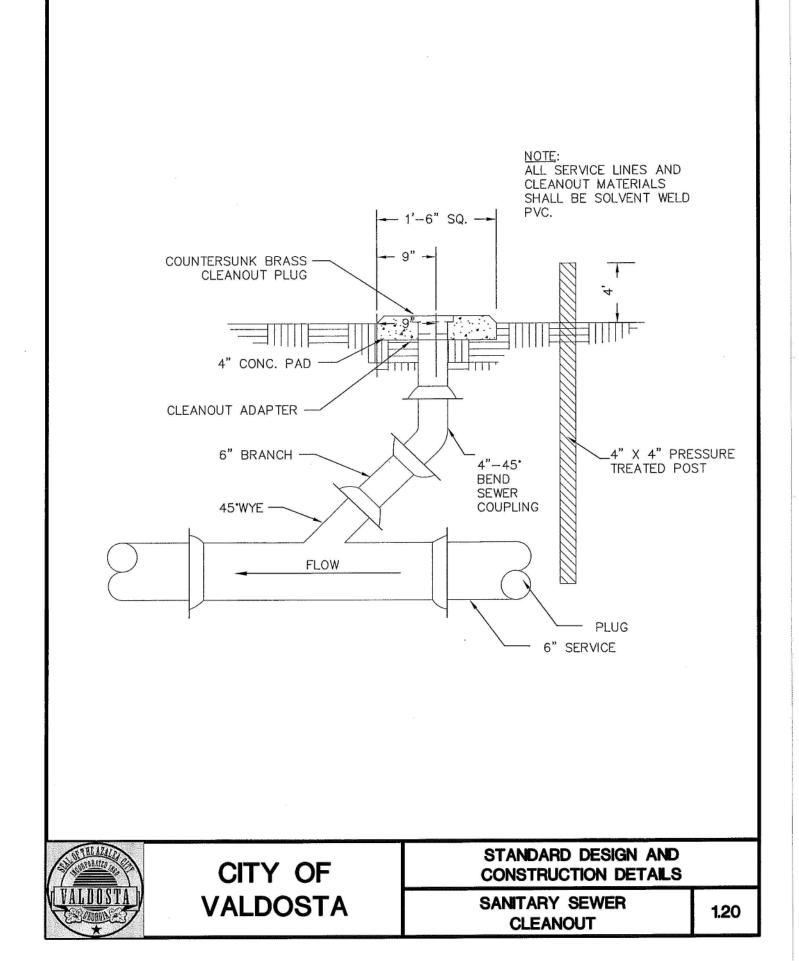


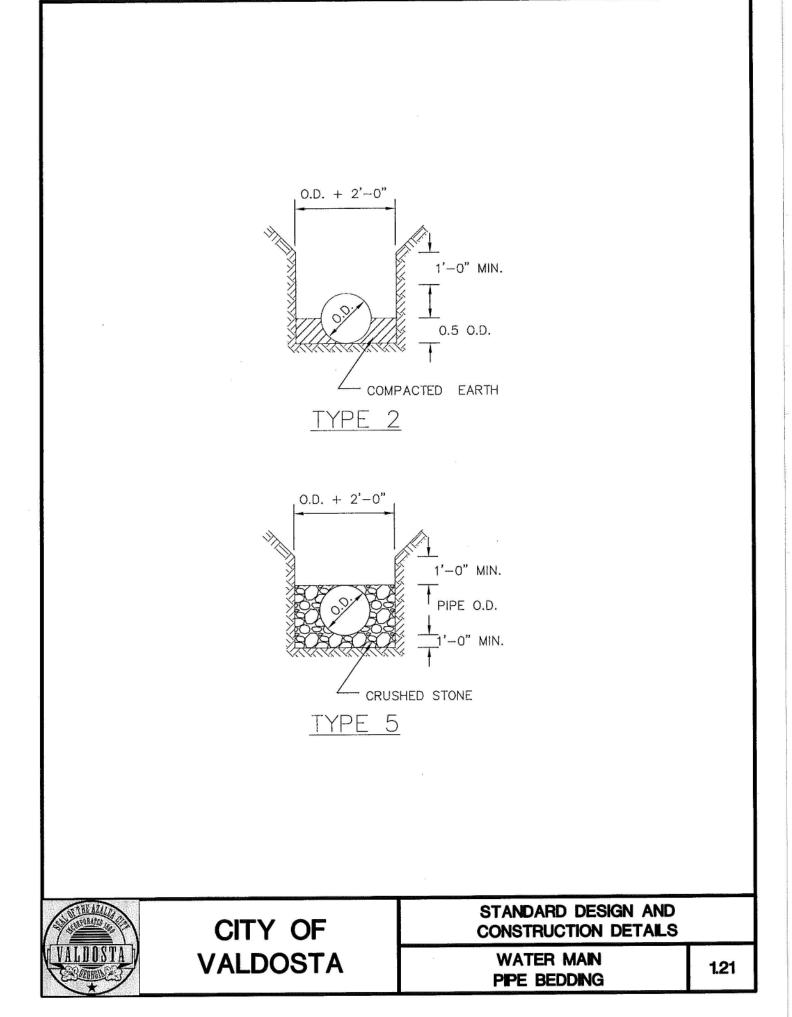
CITY OF VALDOSTA

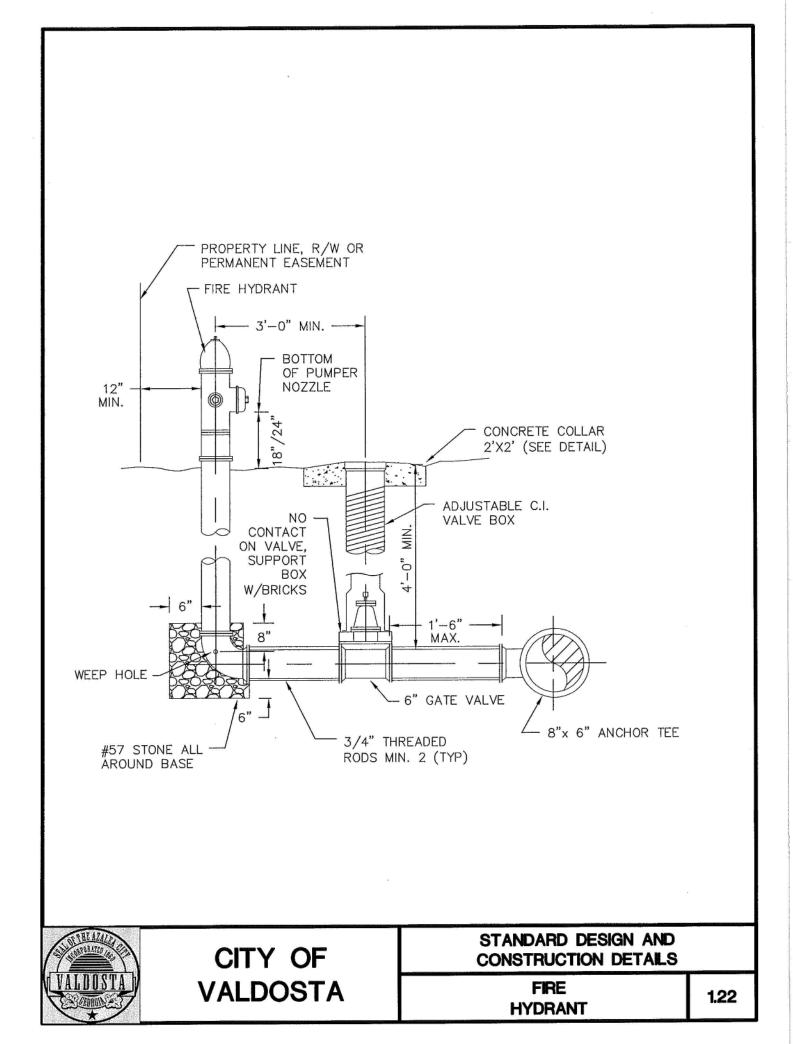
STANDARD DESIGN AND CONSTRUCTION DETAILS

BORED CASING AND CARRIER PIPE











CITY OF VALDOSTA

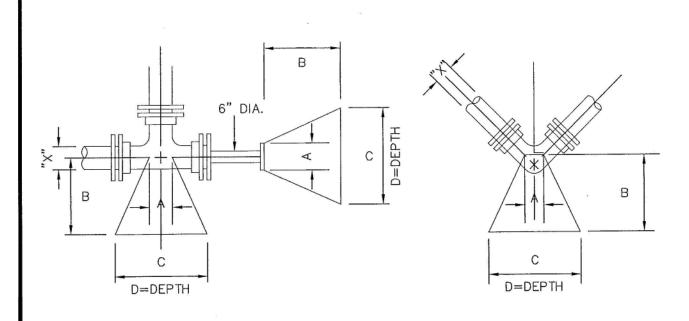
STANDARD DESIGN AND CONSTRUCTION DETAILS THRUST

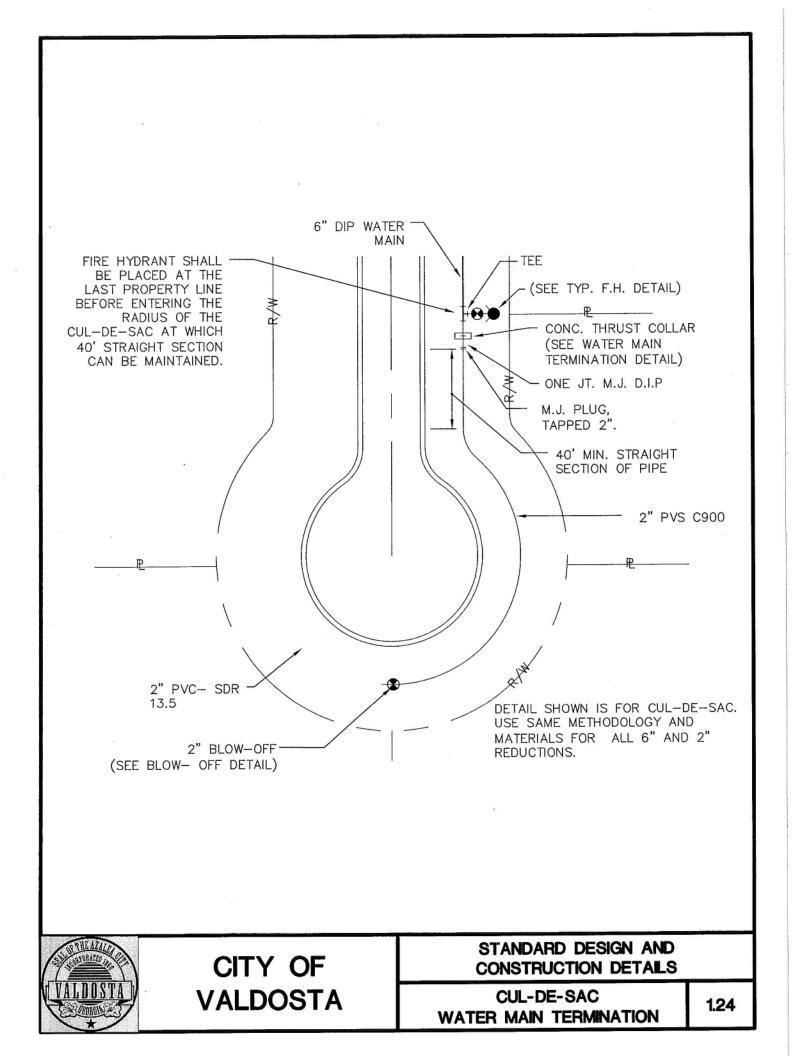
BLOCK

$X^* = DIAMETER$	OF	PIPE	TO	ΒE	BLOCKED
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	BLOCKING DIMENSIONS								
□ X*		X*	А	В	С	D			
END	TEES	10"	1'-0"	2'-6"	4'-0"	2'-6"			
DEAD	& TI	8"	0'-10"	2'-3"	3'-3"	2'-0"			
Δ	40	6"	0'-8"	1'-6"	2'-6"	1'-6"			
		10"	1'-0"	3'-6"	5'-0"	2'-9"			
	.06	8"	0'-10"	2'-9"	4'-0"	2'-3"			
		6"	0'-8"	2'-0"	3'-0"	1'9"			
		10"	1'-0"	1'-9"	3'-0"	2'-6"			
	45.	8"	0'-10"	1'-6"	2'-6"	2'-0"			
BENDS		6"	0'-8"	1'-3"	2'-0"	1'-6"			
B	2.	10"	1'-0"	1'-4"	2'-6"	1'-6"			
	1/2	8"	0'-10"	1'-0"	2'-0"	1'-3"			
	22	6"	0'-8"	0'-9"	1'-6"	1'-0"			
	.+	10"	1'-0"	0'-6"	1'-6"	1'-3"			
	12	8"	0'-10"	0'-6"	1'-4"	1'-0"			
	1	6"	0'-8"	0'-6"	1'0"	0'-9"			

200 PSI TEST PRESSURE 2000 PSF SOIL BEARING







CITY OF VALDOSTA

WATER MAIN TERMINATION

STANDARD DESIGN AND CONSTRUCTION DETAILS

BASED ON: TEST PRESSURE: 250 P.S.I. SOIL BEARING PRESSURE: 3000 P.S.F.

MAIN	CONCRETE COLLAR DIM.				STEEL				
DIA	Α	В	С	D	REINFORCING			G	
24"	1'-9"	9'-0"	9'-0"	2'-6"	#9 @ 8" O.C. E.W.E				E.W.E.F.
20"	1'-6"	7'-8"	7'-8"	2'-0"	#9	0	12"	0.C.	E.W.E.F.
16"	1'-3"	6'-6"	6'-6"	1'-6"	#8	0	12"	0.C.	E.W.E.F.
12"	1'-2"	5'-3"	5'-3"	1'-0"	#7	0	12"	0.C.	E.W.E.F.
6" or 8"	1'-0"	4'-0"	4'-0"	0'-8"	#6	0	12"	0.C.	E.W.E.F.



