

DIVISION 2- SITEWORK

Section 02870 - Site and Street Furnishings

Introduction

Benches, tables, bollards, bicycle racks, if appropriate to the facility, shall be included in the project. Generally these items shall be anchored in concrete so as not to be removed. Specify items which can be readily replaced if damaged.

Part 1 - General

- Refer to TAB C16 Use of Sage Green Color on Campus.

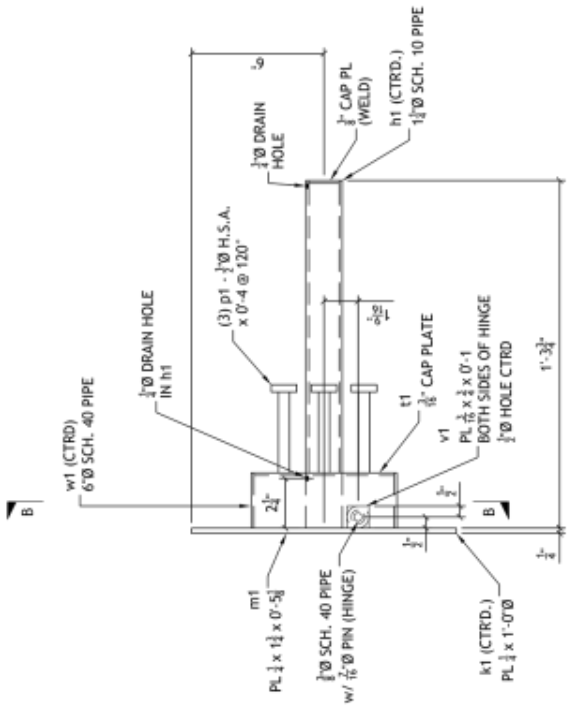
Part 2 - Products

- Benches - Concrete, steel strap and perforated sheet steel benches are preferred to wood and fiberglass benches.
- Trash and Recycling Receptacles - Bigbelly solar powered trash and recycling stations. Steel trash and recycling receptacles with a powder coated finish. Frames are fabricated with heavy gauge pipe, angle or flat stock, or solid bar stock. Side panels are fabricated of perforated sheet steel or steel strap. Trash and recycling receptacles have liner and lids. Lids are inconspicuously cabled or chained to the frame. Place trash and recycling containers on a paved surface.
- Bicycle parking racks - ACI (Arizona Correctional Industries) Model MP 4113. Install below grade.
- Kiosks- Bulletin boards must be all weather.
- Tree Grates – Neenah Foundry, Urban Accessories, Canterbury International, Ironsmith. To be installed with frames.
- Drinking Fountains - Haws. Must be handicapped accessible.
- Building ID Signs- By University.
- Removable Bollards- Where removable bollards are required provide bollards as detailed on Dwg. 02870-D1

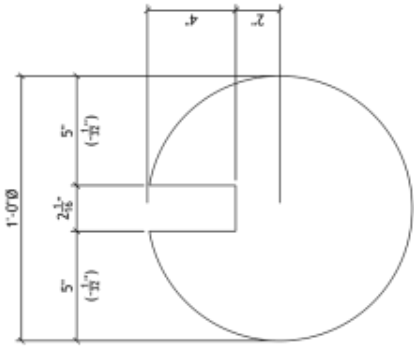
Part 3 - Execution

- There are no unique University requirements in this Section.

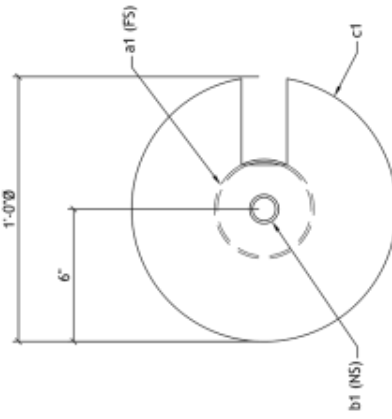
ONE	BOLLARD		1A
1	4" SCH. 10 PIPE	Z-11	a1
1	1" SCH. 40 PIPE	1-0	b1
1	PL $\frac{1}{2}$ x 12	1-0	c1
1	4" CAP	..	d1
1	6-0 STRAIGHT CHAIN	..	f1
1	4-0 STRAIGHT CHAIN	..	g1
ONE	BOLLARD SLEEVE		1B
1	1 $\frac{1}{2}$ " SCH. 10 PIPE	1'-3 $\frac{1}{2}$ "	h1
1	PL $\frac{1}{2}$ x 12	1-0	k1
1	PL $\frac{1}{2}$ x 2	0'-5 $\frac{1}{2}$ "	m1
3	$\frac{3}{8}$ " H.S.A.	0'-4"	p1
1	PL $\frac{1}{8}$ x 6 $\frac{1}{2}$	0'-6 $\frac{1}{2}$ "	l1
2	PL $\frac{1}{8}$ x 1	0'-1"	v1
1	6" SCH. 40 PIPE	0'-2 $\frac{1}{2}$ "	w1
1	$\frac{7}{16}$ " PIN	0'-2 $\frac{1}{2}$ "	
1	$\frac{3}{8}$ " SCH. 40 PIPE	0'-2 $\frac{1}{2}$ "	



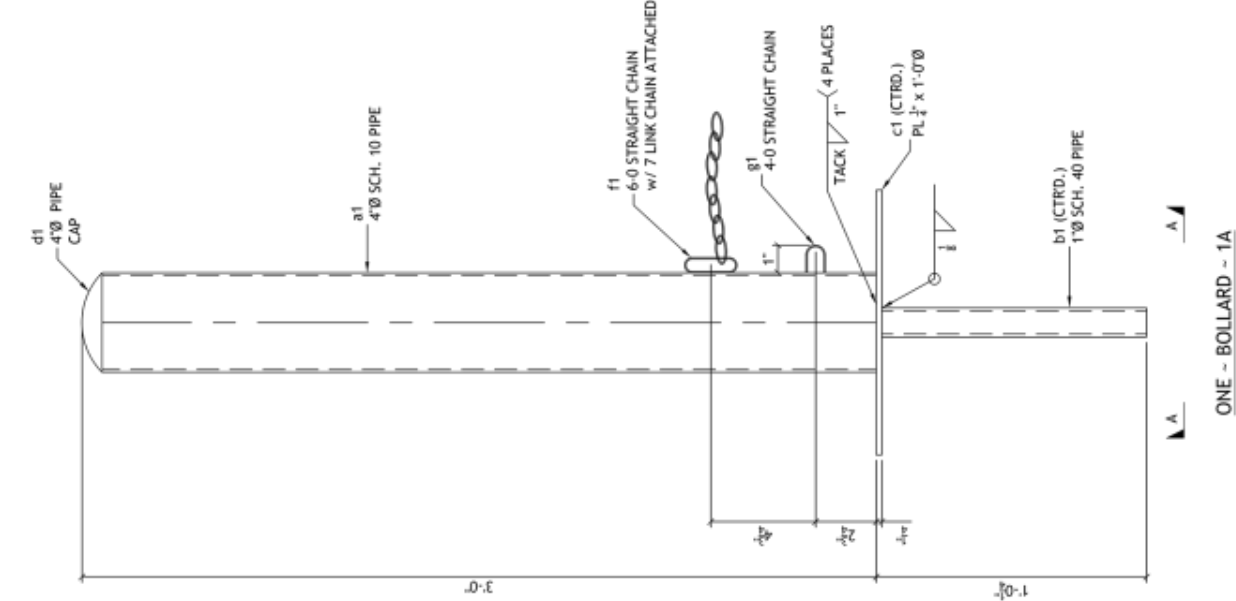
ONE - BOLLARD SLEEVE - 1B



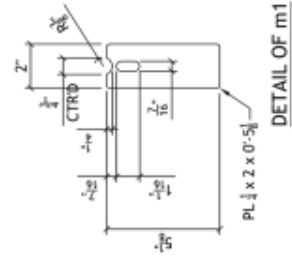
DETAIL OF c1



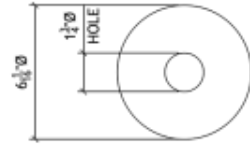
SECTION A-A



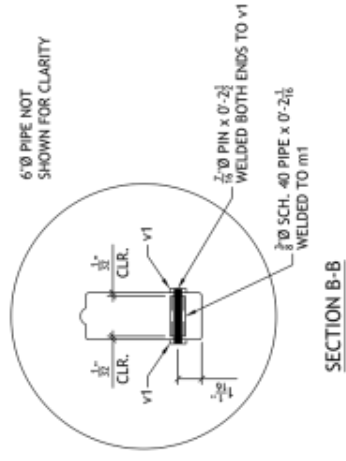
ONE - BOLLARD - 1A



DETAIL OF m1



DETAIL OF l1



SECTION B-B

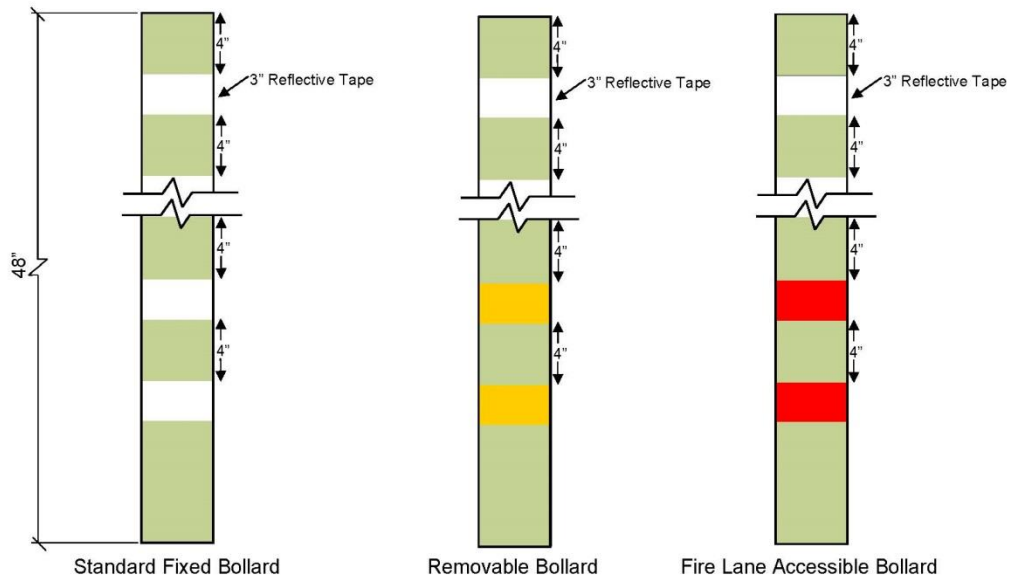
UNIVERSITY OF ARIZONA
MANUAL OF DESIGN SPECIFICATION STANDARDS

STANDARD DETAIL: REMOVABLE BOLLARD PROJECT

DRAWN BY: AMD	DETAIL NO.	REVISIONS
	APPROVED BY: BD	02870-D1
ACAD: FILE		



Campus Standards for Bollard Appearance



End of Section 02870