

## 15.0 Other Roadside Appenditures

### **Dumpster (Figure 15.1, 15.2 & 15.3)**

Dumpster enclosure and design locations shall meet the requirements set forth in City of Boca Raton standards.

### **Mailboxes (Figures 15.4 & 15.6)**

Mailboxes installed and maintained by the owner within the right of way of the city street shall meet the general requirements of the attached Mailbox detail.

- The location and construction of mailboxes shall conform to the rules and regulations of the United States Postal Service as modified by this design standard.
- Wood or steel support posts for both single and double mailbox mountings shall be embedded no more than 24" into the ground.
- No more than two mailboxes may be mounted on a single post.
- Lightweight Plastic newspapers receptacles may be mounted below the mailbox on the side of the support in conformance with USPS Domestic Mail Manual.
- Neighborhood Delivery and Collection Box Units are a specialized multiple mailbox installation that must be located outside the highway/street clear zone.
- At driveway entrances, mailboxes shall be placed on the far side of the driveway in the direction of the delivery route.
- No Concrete, Block, brick stone or rigid mailbox foundation structure or encasement above the ground line located within the highway /street clear zone, will be permitted.

### **Dome buttons (Figure15.5)**

Residents will be allowed to install and maintain concrete domed buttons 2 feet off the roadway pavement as shown in attached detail.

### **Permanent Reference monuments (Figure15.7)**

A permanent survey reference monument is an artificial or natural object that is permanent used or presumed to occupy any real property corner, point on a boundary line, or reference point.

Per Florida Statutes Section 177.031 Definitions

15) "P.R.M." means a permanent reference monument which must:

(a) Consist of a metal rod having a minimum length of 18 inches and a minimum cross-section area of material of 0.2 square inches. In certain materials, encasement in concrete is optional for stability of the rod. When used, the concrete shall have a minimum cross-section area of 12.25 square inches and be a minimum of 24 inches long.

(b) Be identified with a durable marker or cap with the point of reference marked thereon bearing either the Florida registration number of the Professional Surveyor and Mapper (PSM) in responsible charge or the certificate of authorization number of the legal entity, which number shall be preceded by LS or LB as applicable and the letters "P.R.M."

(c) Be detectable with conventional instruments for locating ferrous or magnetic objects.

If the location of the "P.R.M." falls in a hard surface such as asphalt or concrete, alternate monumentation may be used that is durable and identifiable.

### **Bicycle Parking Detail (Figure15.8)**

Attached is the City's standard Bike parking rack detail.

### **Sprinklers**

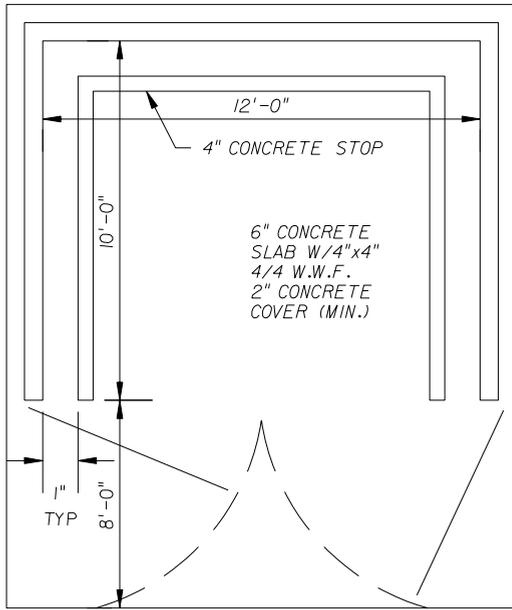
Residents and Owners may install and maintain irrigation sprinkler systems to irrigate grass within city right-of-way provided:

- The irrigation spray does not spray onto roadway pavement.
- The system is maintained by the owner on a routine basis.
- The owner is responsible to relocate the system at their own expenses

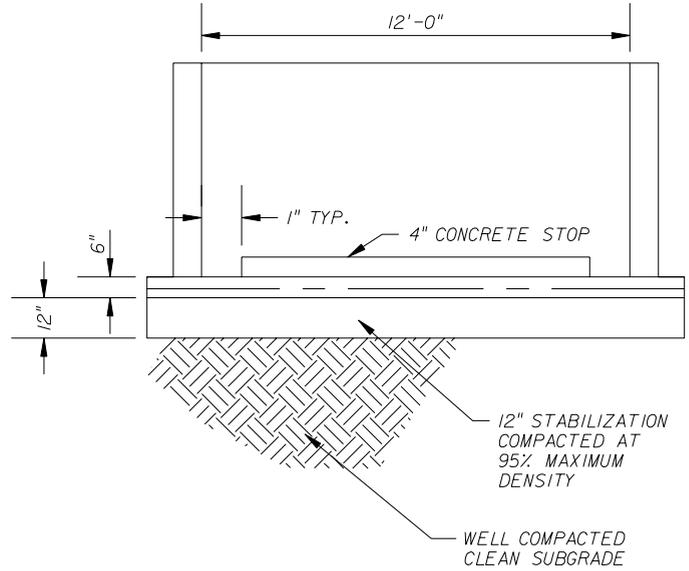
### **Vegetation Maintenance (Vertical Clearance Standard):**

There shall be no encroachment of trees, tree limbs or other vegetation in or over the vehicular travel way lower than 14.5 feet or lower than 8 feet over sidewalks. There shall be no vegetation that violates the vertical clearance standard defined herein.

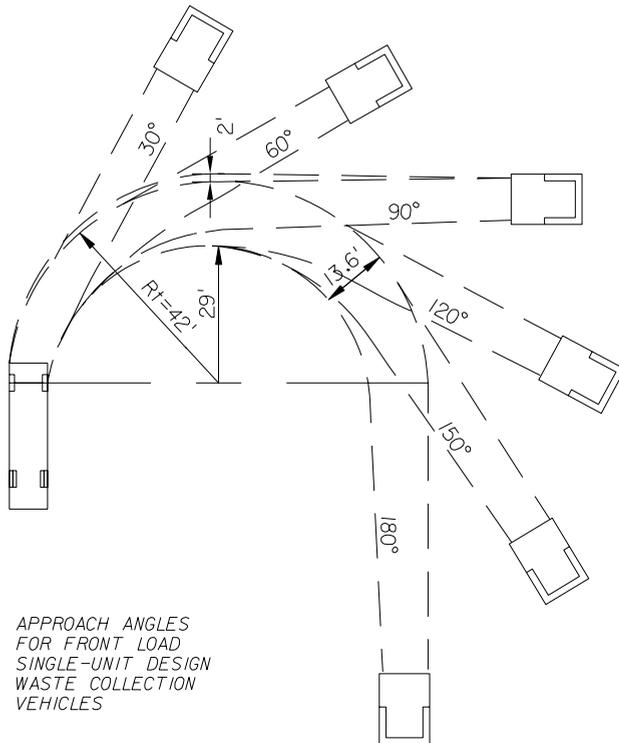
**FIGURE**  
**15.1**



**TOP**



**FRONT**



**NOTES:**

1. ALL REINFORCING STEEL SHALL BE GRADE 40 OR EQUAL.
2. SLAB LOCATION SHALL MEET REQUIREMENTS OF CITY OF BOCA RATON SANITATION DIVISION.
3. ENCLOSURE WALLS AND DOORS SHALL BE DESIGNED, CONSTRUCTED AND FINISHED PER C.A.B. CRITERIA.
4. TRUCK APPROACH SHALL HAVE 60000 LB. G.V.W. CAPACITY (MIN.)
5. WHEN THE DOORS ARE OPEN THE OBSTRUCTED ACCESS SHALL BE EQUAL TO THE INSIDE WIDTH OF THE ENCLOSURE. NO FRAMING, HINGES OR OTHER ITEMS SHALL ENCROACH ON THIS OPENING.
6. ACCESS DOORS SHALL BE HUNG ON ENDS OF ENCLOSURE WALLS.
7. CONCRETE STOPS SHALL BE USED WITH CITY SERVICE AND APPROVED 2 C.Y. DUMPSTERS.



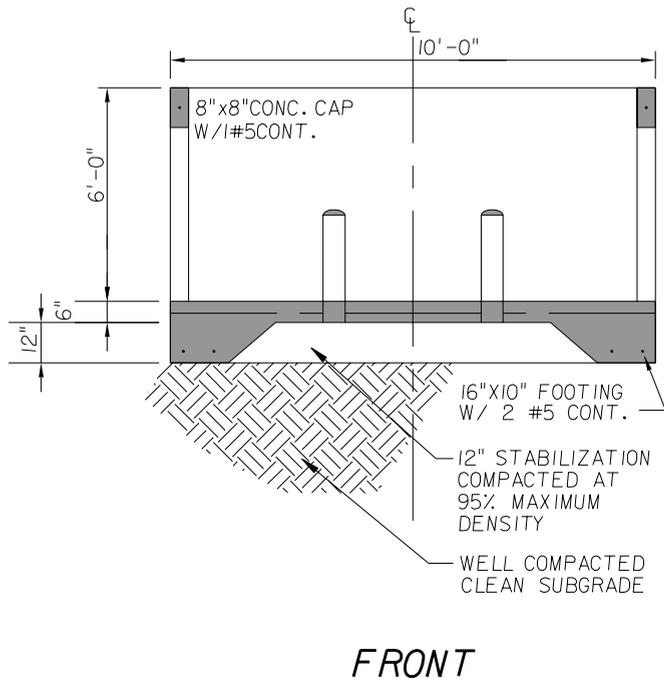
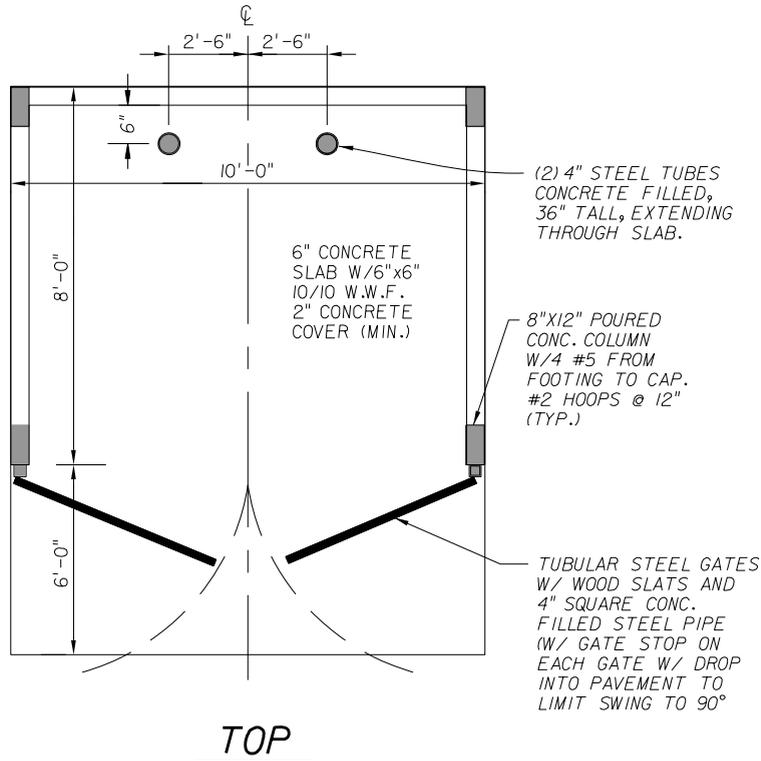
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**DUMPSTER ENCLOSURE  
COMMERCIAL  
(SINGLE)**

**FIGURE**  
**15.2**



**NOTES:**

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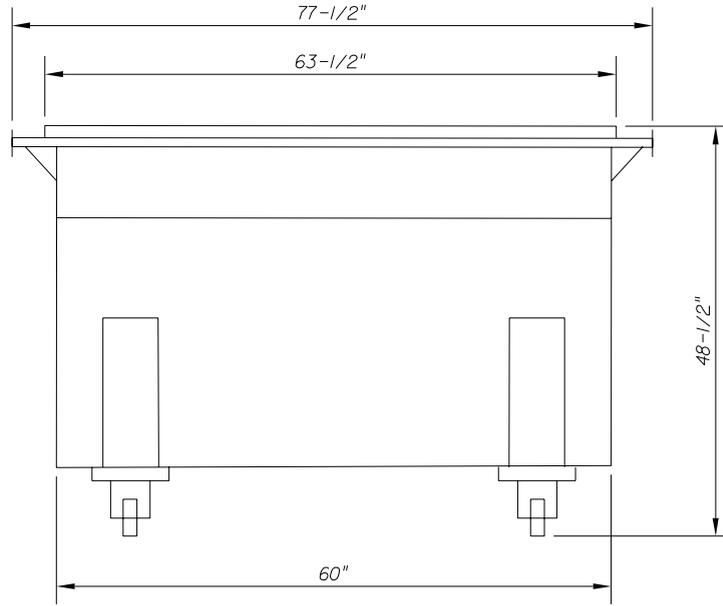
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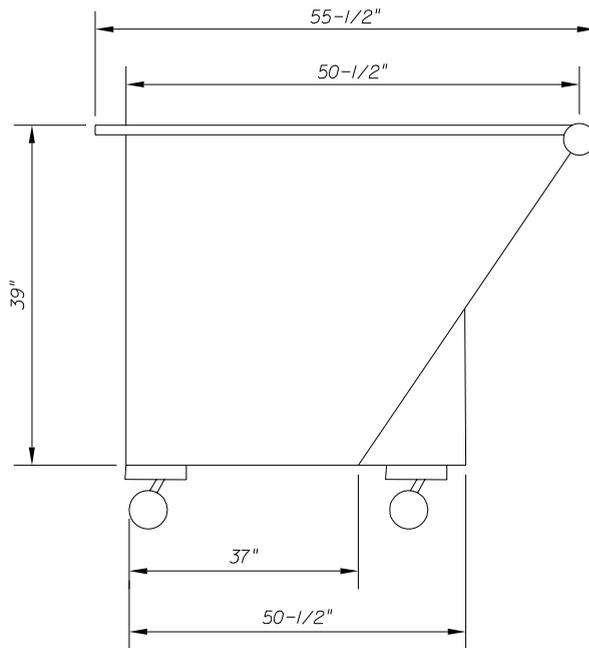
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**DUMPSTER ENCLOSURE  
RESIDENTIAL  
(SINGLE)**

FIGURE  
15.3



FRONT



SIDE

NOTE:

ONLY A DUMPSTER OF THIS DESIGN,  
SIZE AND CAPACITY WILL BE  
EMPTIED BY THE SANITATION DIVISION.  
DUMPSTER SUPPLIED BY OTHERS.

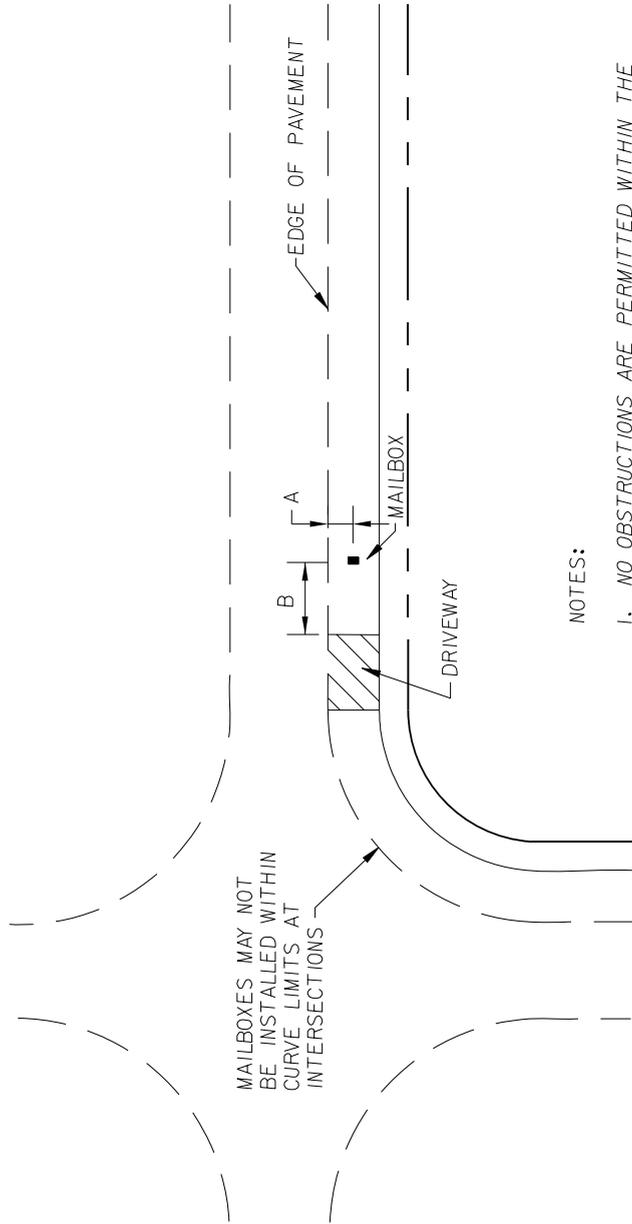


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**DUMPSTER ENCLOSURE  
TWO CUBIC YARD LOAD**



NOTES:

1. NO OBSTRUCTIONS ARE PERMITTED WITHIN THE RIGHT OF WAY THAT WOULD PRECLUDE A MAIL CARRIER FROM PULLING OFF TRAFFIC LANES OF PAVEMENT TO MAKE DOOR DELIVERIES.
2. THE MAILBOX SHOULD BE SET 3-1/2' TO 4' ABOVE THE ROADWAY.
3. THE MAILBOX MUST BE LOCATED SO THAT THE MAIL CARRIER DOES NOT HAVE TO LEAVE HIS OR HER VEHICLE IN ORDER TO PLACE MAIL IN BOX.

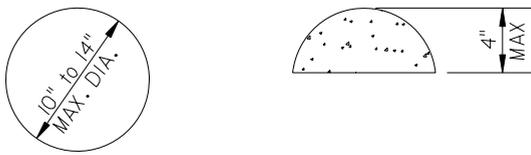
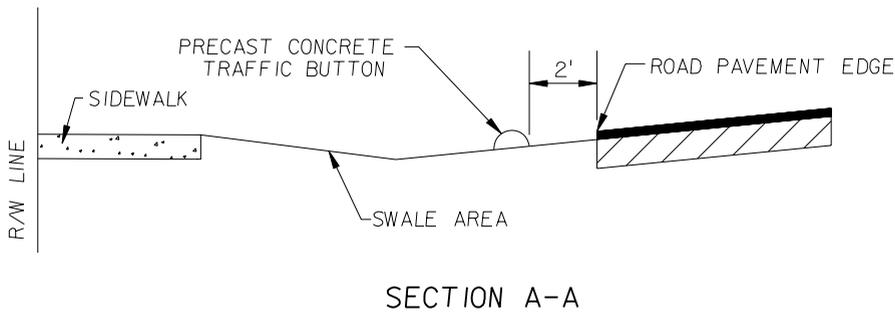
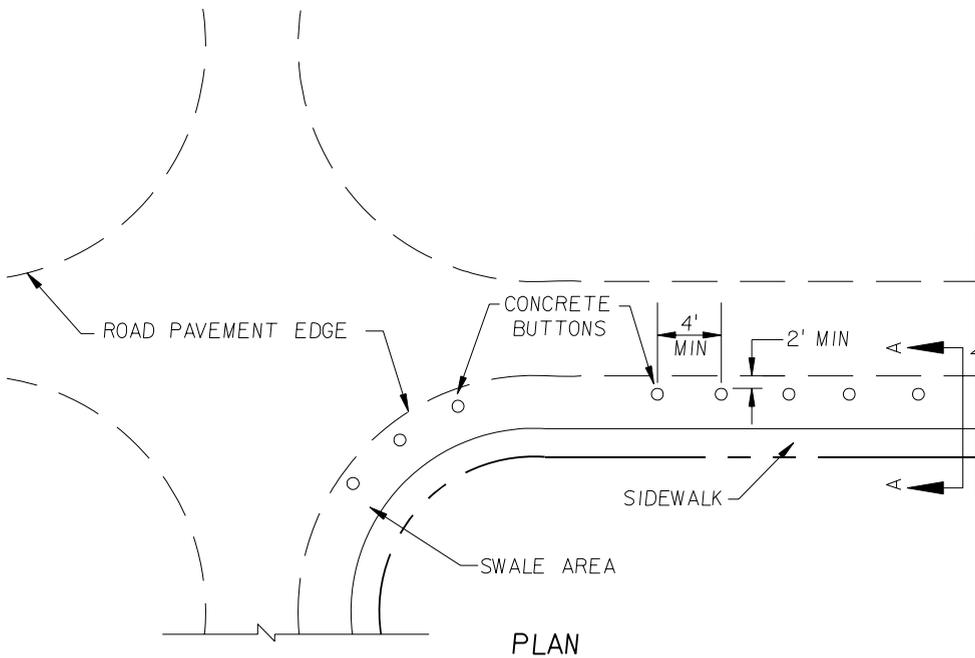
DIMENSIONS	MAILBOX OFFSET- FEET	
	ARTERIAL	RESIDENTIAL
A	10	3
B	10	10



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**LOCATION OF MAILBOXES  
WITHIN PUBLIC  
RIGHT OF WAY**



NOTE: NO PYRAMIDS PERMITTED

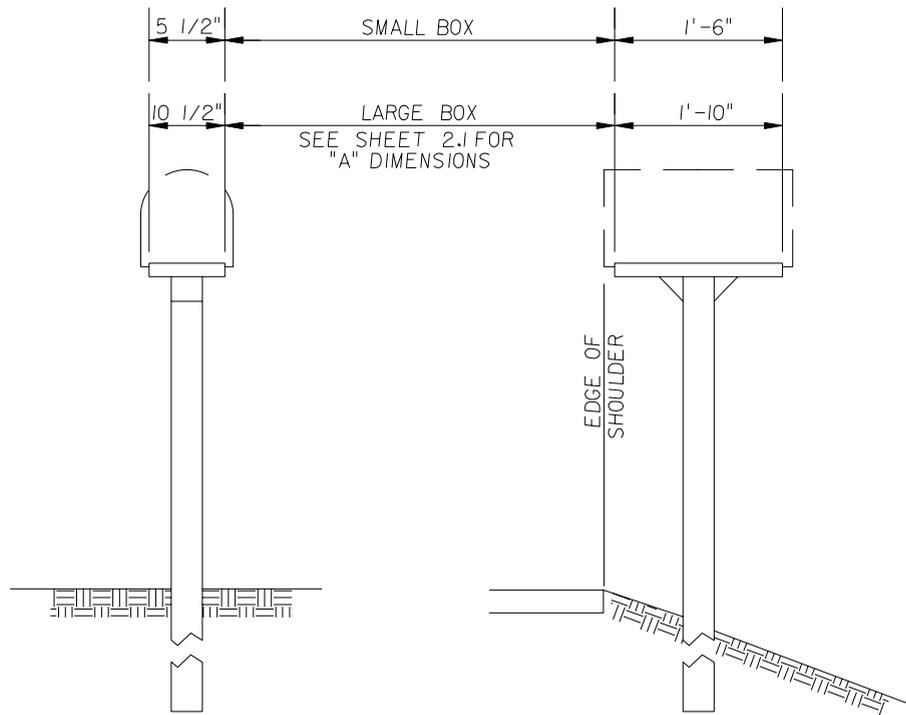


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**LOCATION OF RESIDENTIAL  
 ROADWAY MARKERS @ FILLETS  
 (WITHIN PUBLIC R/W)**



TYPICAL MAILBOX LOCATION & MOUNTING HEIGHT

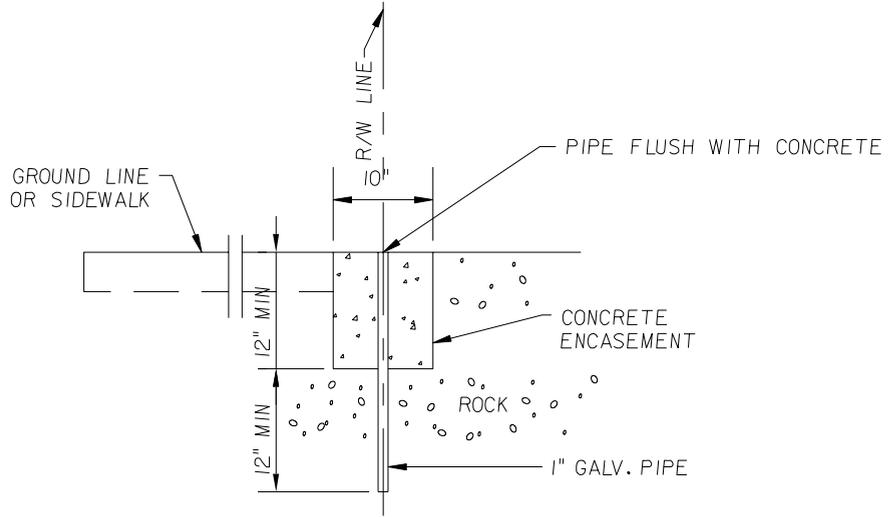


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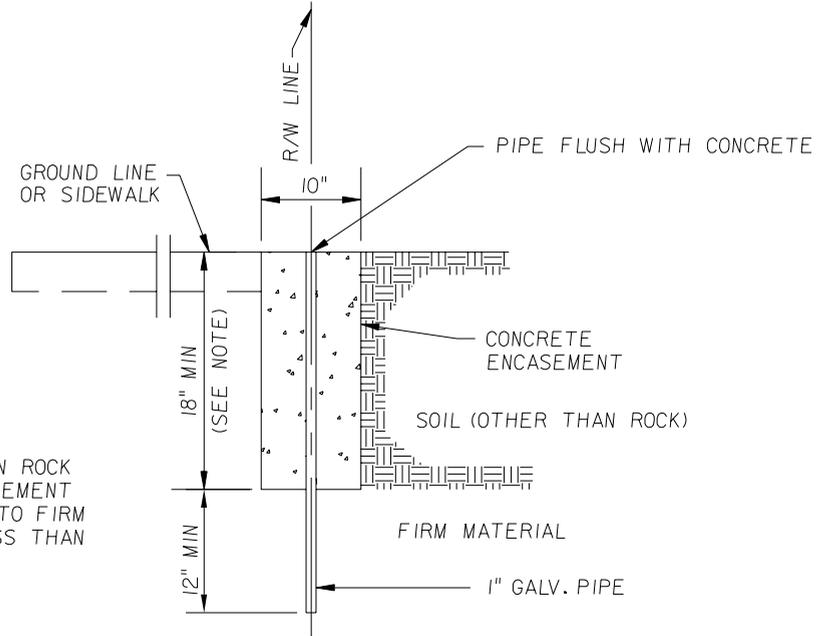
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MAILBOX DETAIL



INSTALLATION  
IN ROCK



NOTE:

FOR SOIL OTHER THAN ROCK  
THE CONCRETE ENCASEMENT  
SHALL BE EXTENDED TO FIRM  
MATERIAL BUT NO LESS THAN  
18 INCHES.

INSTALLATION IN SOIL  
(OTHER THAN ROCK)

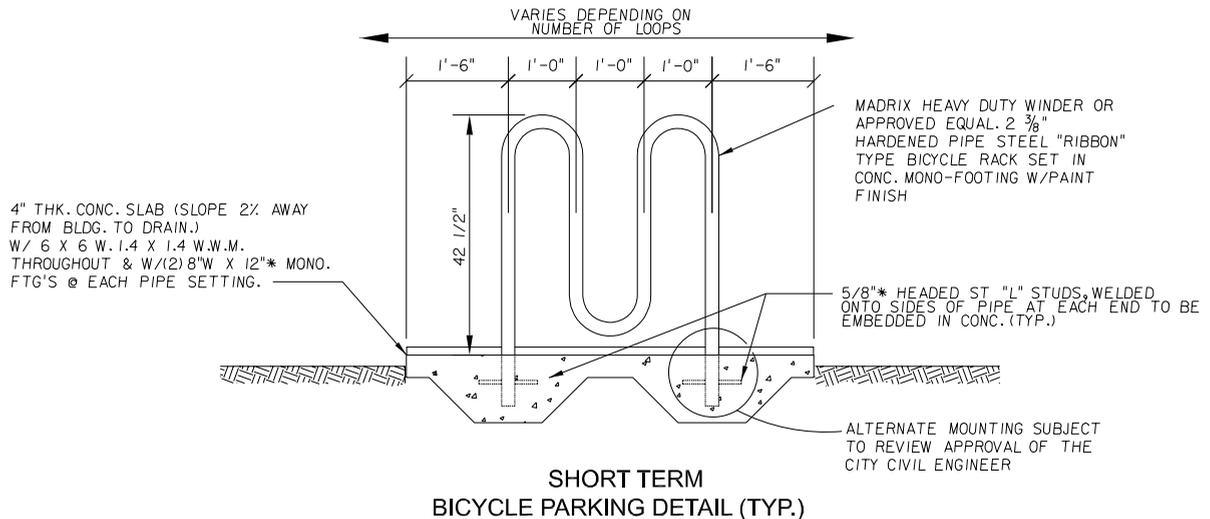
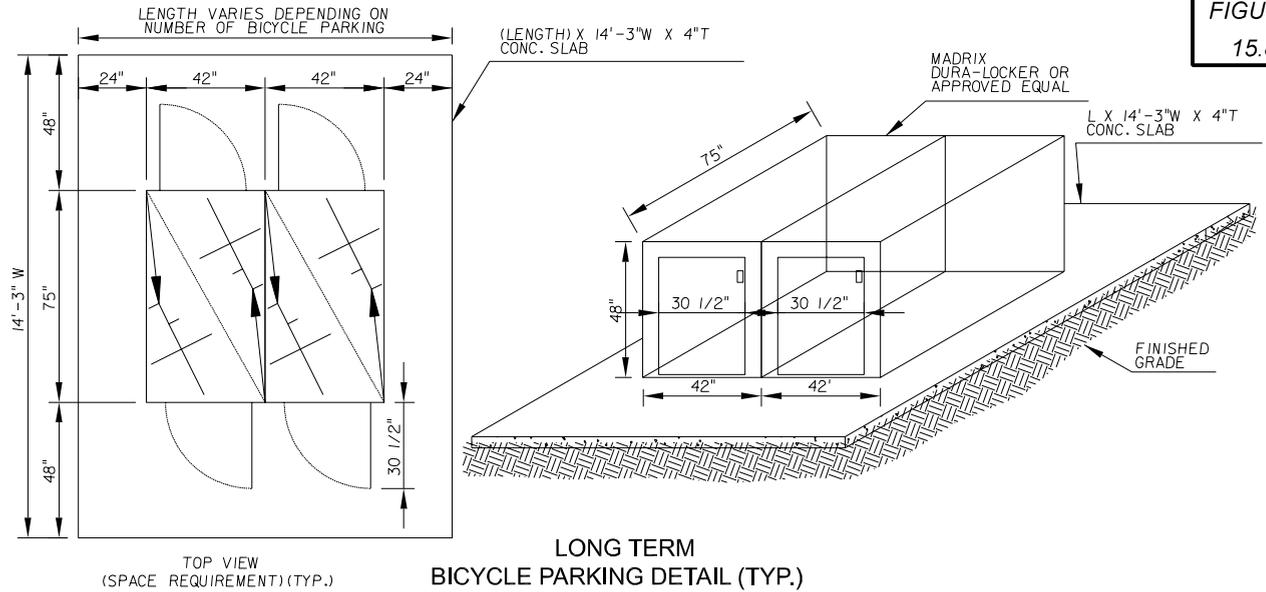


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**PERMANENT REFERENCE  
MONUMENT**



NOTES:

- (A) ALL SHORT TERM BICYCLE PARKING SPACES SHALL INCLUDE A STATIONARY PARKING DEVICE ON A CONCRETE SURFACE WHICH ADEQUATELY SUPPORTS THE BICYCLE AND MUST HOLD AT LEAST 180 DEGREES OF THE WHEEL ARC.
- (B) ALL LONG TERM FACILITIES SHALL CONSIST OF A FULLY ENCLOSED LOCKABLE SPACE ACCESSIBLE ONLY TO OWNER/OPERATOR OF THE BICYCLE, OR ATTENDANT PARKING WITH A CHECK-IN SYSTEM ACCESSIBLE ONLY TO THE ATTENDANT(S), OR A LOCKED ROOM OR OFFICE INSIDE THE BUILDING.
- (C) WHERE NOT SPECIFIED, EITHER SHORT TERM OR LONG TERM PARKING IS PERMISSIBLE.
- (D) EACH SHORT TERM BICYCLE PARKING SPACE SHALL BE A MINIMUM OF TWO FEET WIDE AND
- (E) ALL REQUIRED PARKING FACILITIES SHALL BE FROM SIX FEET LONG, AND SHALL HAVE A MINIMUM OF EIGHT FEET OF OVERHEAD CLEARANCE.
- (F) FIXED OBJECTS WHICH ARE INTENDED TO SERVE AS BICYCLE PARKING FACILITIES SHALL BE CLEARLY LABELED AS AVAILABLE BICYCLE PARKING.
- (G) BICYCLE PARKING SHALL BE CONSISTENT WITH SURROUNDINGS IN COLOR AND DESIGN AND BE INCORPORATED WHENEVER POSSIBLE INTO BUILDING OR STREET FURNITURE DESIGN.
- (H) BICYCLE PARKING SHALL BE LOCATED AS NEAR THE PRINCIPAL ENTRANCE OF THE BUILDING AS PRACTICABLE.
- (I) BICYCLE PARKING SHALL BE LOCATED IN A CONVENIENT, HIGHLY VISIBLE, ACTIVE, WELL LIGHTED AREA.
- (J) BICYCLE PARKING SHALL BE LOCATED SO AS NOT TO IMPEDE PEDESTRIAN MOVEMENT.

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**BICYCLE PARKING DETAIL (TYP.)**

MINIMUM STANDARDS FOR TURNING RADII  
FOR ON SITE DRIVES & PARKING FACILITIES

TYPE OF VEHICLE	INTERIOR RADIUS MIN.	EXTERIOR RADIUS MIN.
PASSENGER CAR	15'-6"	24'
TRUCK OR BUS	28'-6"	42'
SEMI-TRAILER	20'	40'

PUBLIC ROADS  
MINIMUM STANDARDS  
ROAD FILLET RADII

TYPE OF INTERSECTION	MIN. RADIUS	REMARKS
2 LANE MINOR-2 LANE MINOR	30*	ASSUMES 90° INTERSECTION MINIMUM 75°
2 LANE MINOR- 2 LANE COLLECTOR	30*	
2 LANE COLLECTOR 2 LANE COLLECTOR	30*	ASSUMES 90° INTERSECTION ANY VARIABLE FROM 90°- REQUIRES APPROVAL OF THE CITY ENGINEER.
2 LANE COLLECTOR 4 LANE ARTERIAL	40*	
4 LANE SECONDARY 4 LANE ARTERIAL	40*	
CUL-DE-SAC	42	84' DIA-FULL PAVEMENT

\* NOTE:

FLUSH HEADER CURB SHALL BE PROVIDED AT ALL FILLET RADII  
FROM POINT OF CURVE TO POINT OF TANGENCY +2.0 EACH END.



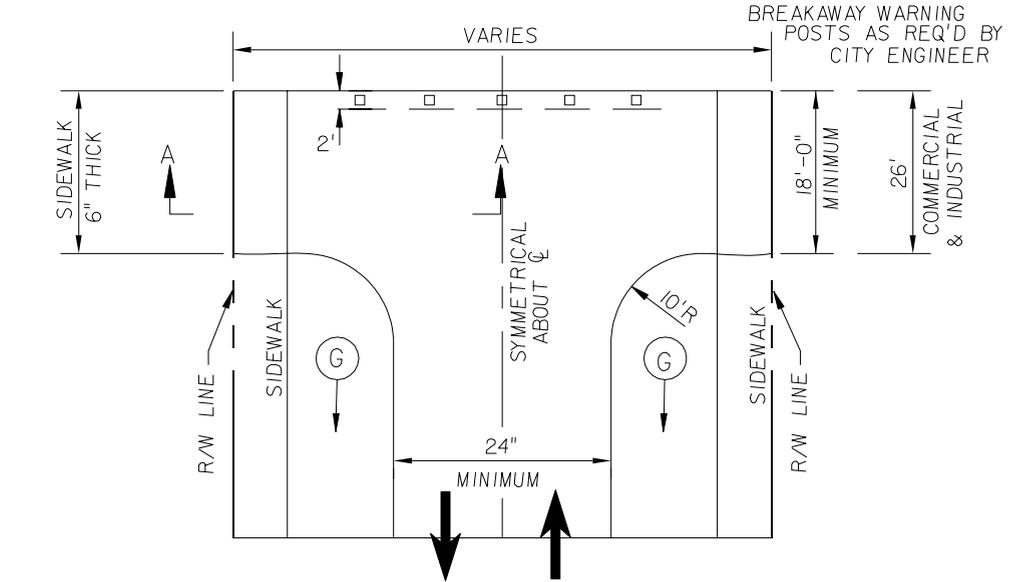
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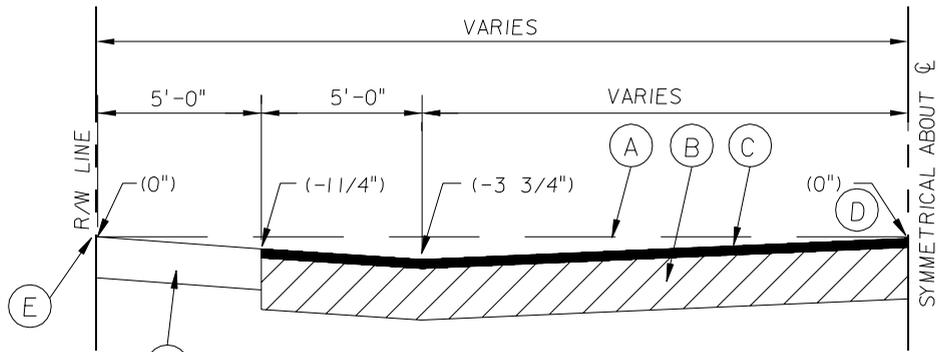
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**TURNING RADIUS  
STANDARDS**

**FIGURE  
15.10**



**PLAN VIEW**



**SECTION A-A**

- (A) LEVEL LINE
- (B) BASE COURSE, PRIMED ENTIRE WIDTH, 8" LIMEROCK
- (C) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK, TYPE S-1
- (D) OFFSET FROM LEVEL LINE
- (E) RIGHT OF WAY LINE AT OR ABOVE FLOOD CRITERIA
- (F) CONCRETE SIDEWALK WHERE REQUIRED. (STD 7.1)
- (G) PROVISIONS FOR DRAINAGE MAY BE REQUIRED

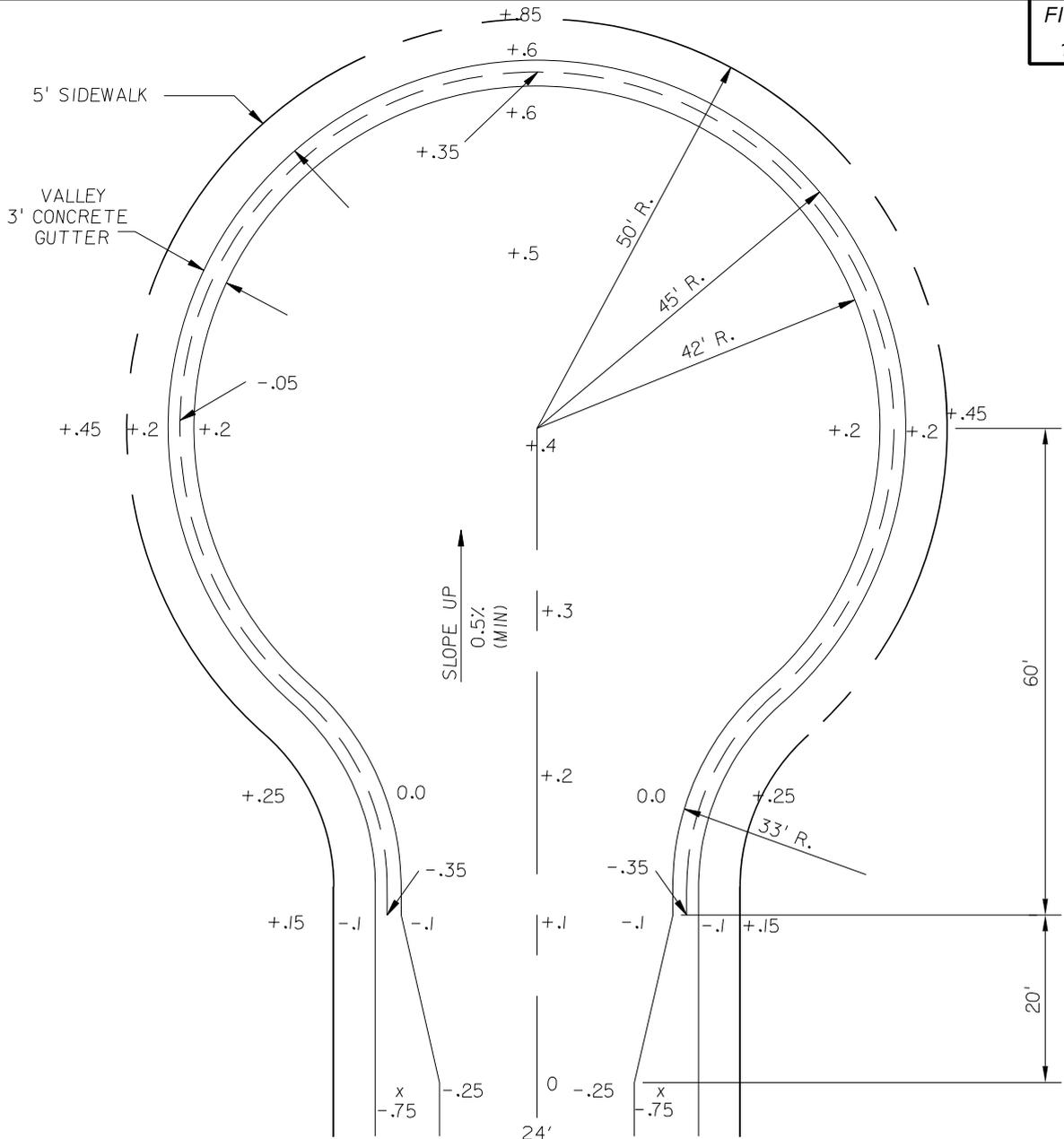


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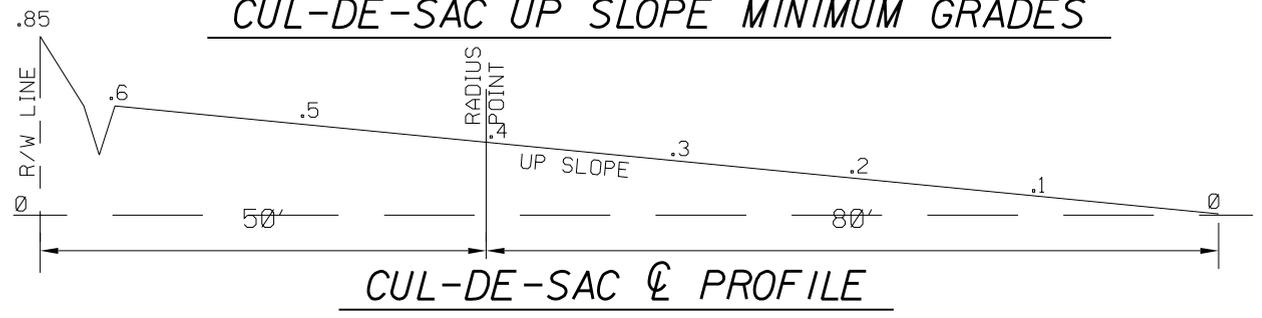
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**T - TURNAROUND**

FIGURE  
15.11



**CUL-DE-SAC UP SLOPE MINIMUM GRADES**

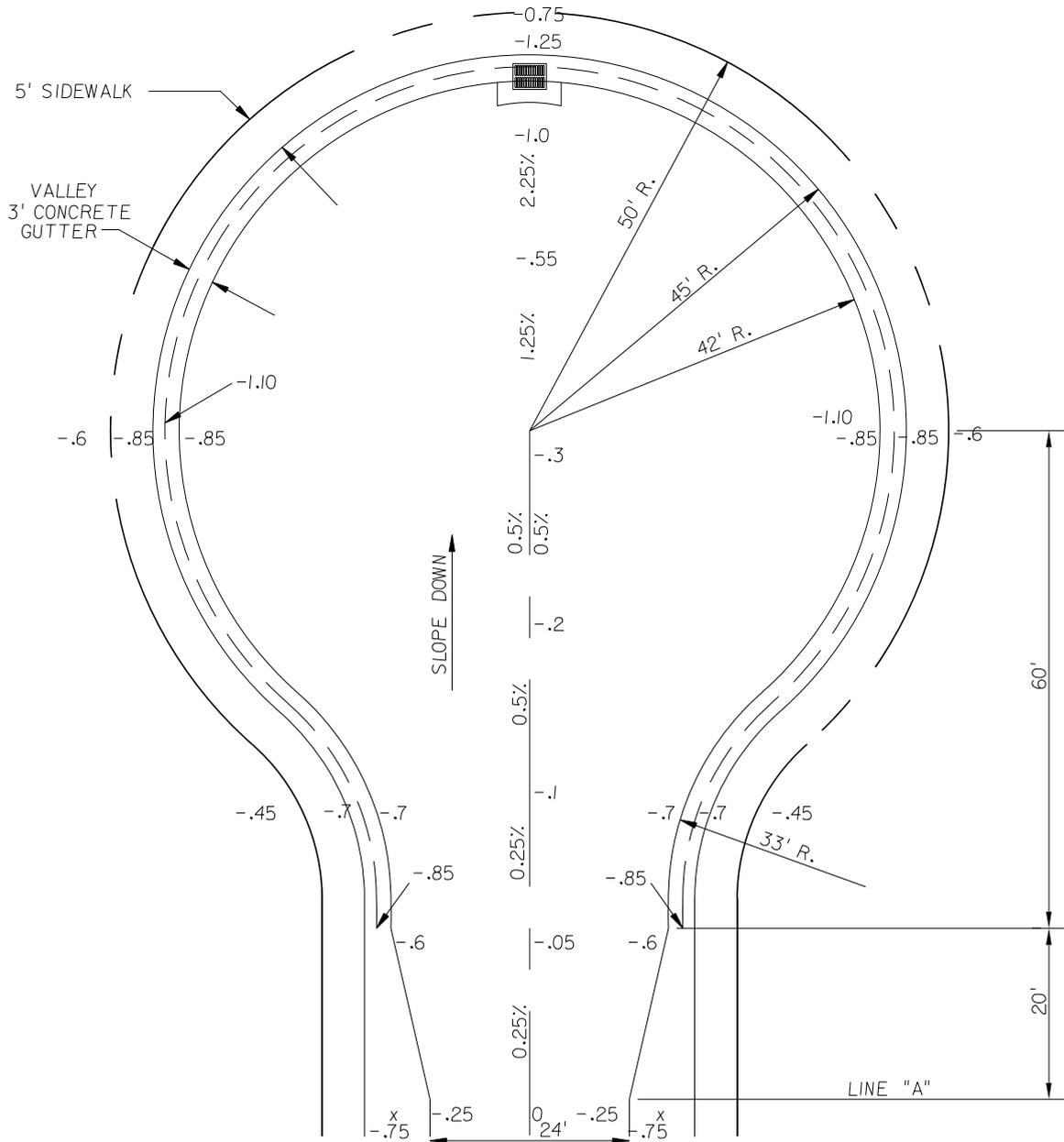


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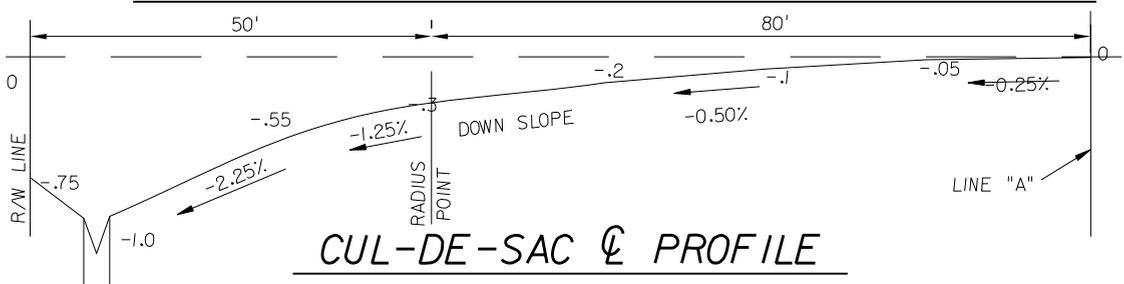
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**CUL-DE-SAC  
50' R/W (100' DIA)  
WITH MOUNTABLE GUTTER**

FIGURE  
15.12



**CUL-DE-SAC DOWN SLOPE MINIMUM GRADES**



**CUL-DE-SAC @ PROFILE**



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**CUL-DE-SAC  
50' R/W (100' DIA)  
WITH MOUNTABLE GUTTER**