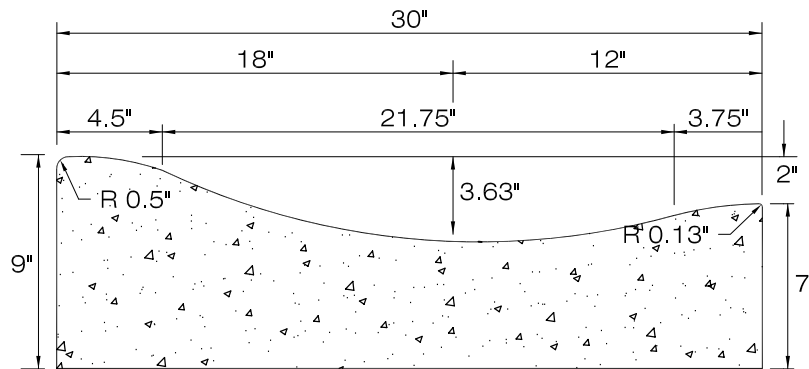


VERTICAL



ROLL-OVER  
(LOVELAND)

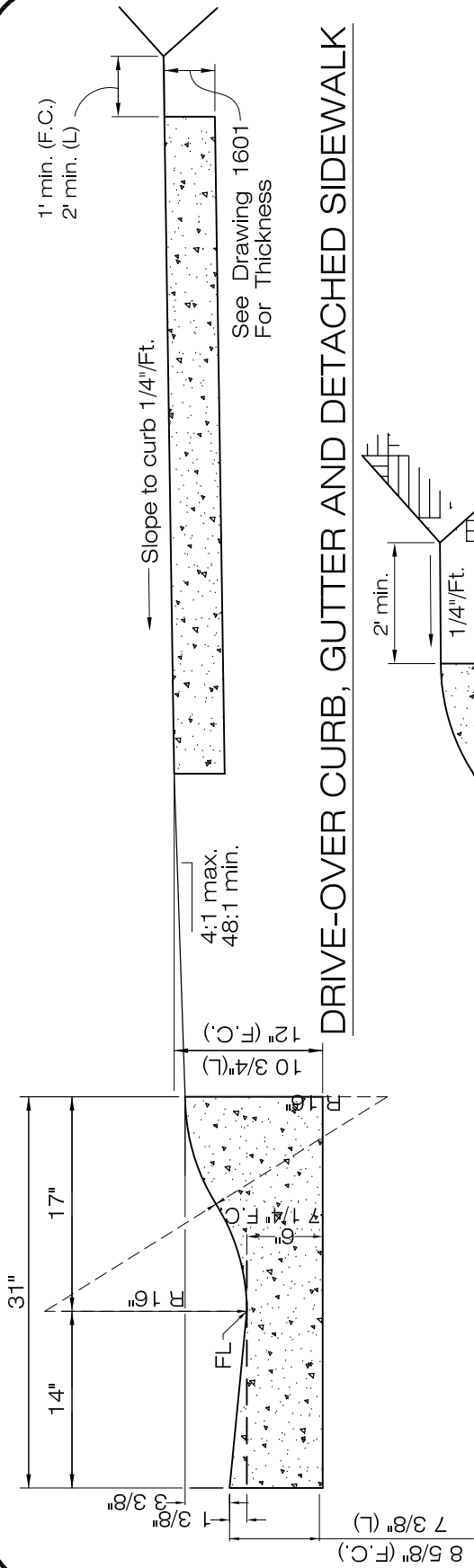
**CURB AND GUTTER**

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

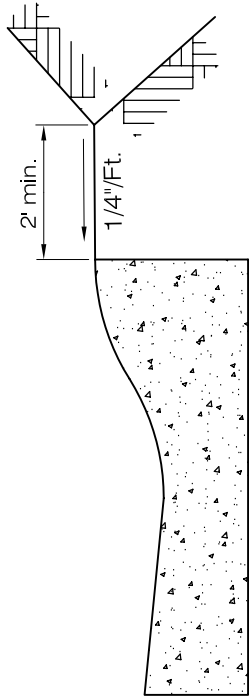
CONSTRUCTION  
DRAWINGS

REVISION NO: 1  
DATE: 03/01/02

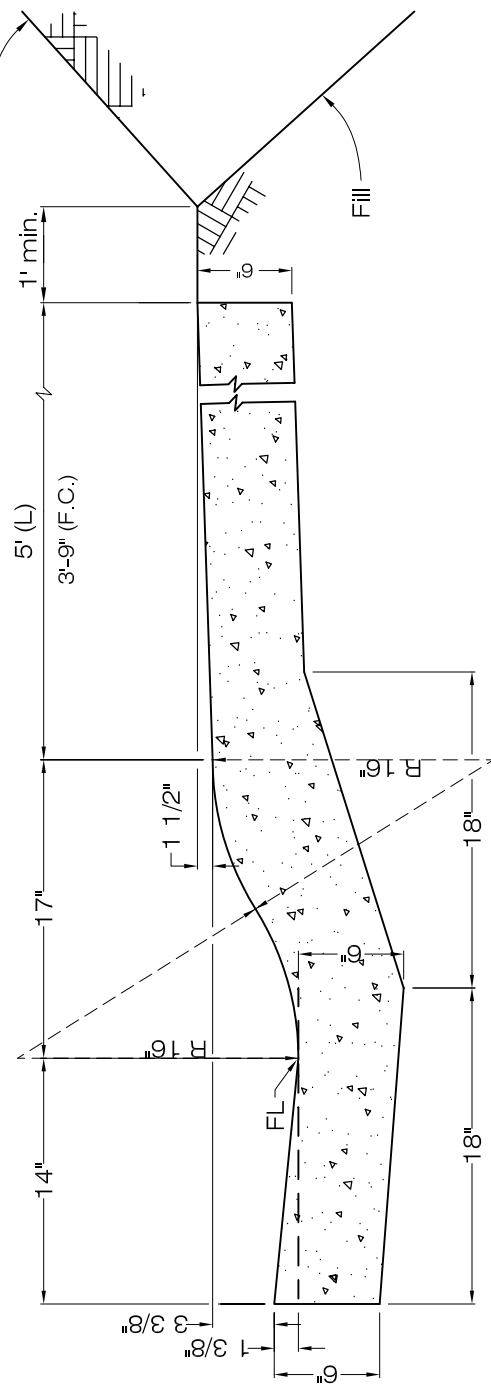
DRAWING  
701



**DRIVE-OVER CURB, GUTTER AND DETACHED SIDEWALK**



**CURB & GUTTER IN A CUT OR FILL**



**DRIVE-OVER CURB, GUTTER AND ATTACHED SIDEWALK**

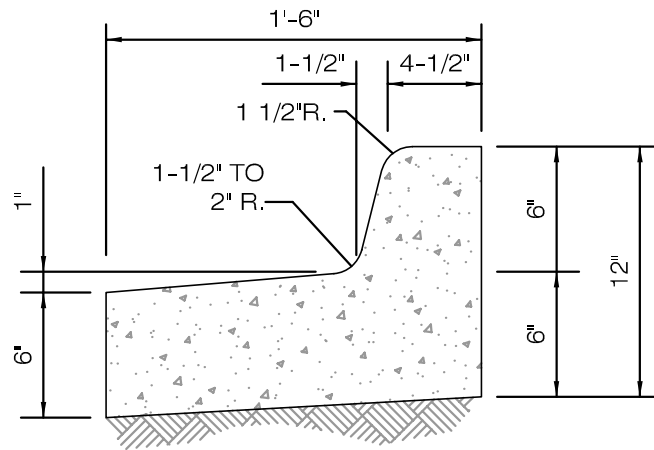
**CURB AND GUTTER/SIDEWALK**

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

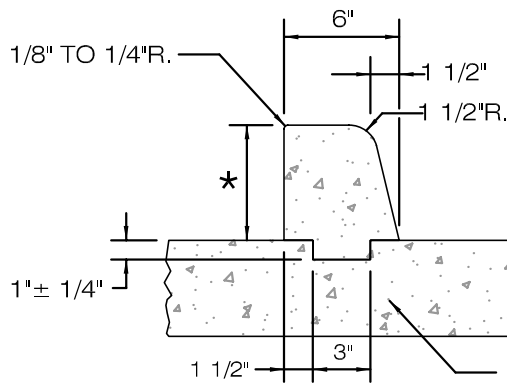
CONSTRUCTION  
DRAWINGS

REVISION NO: 1  
DATE: 03/01/02

DRAWING  
702

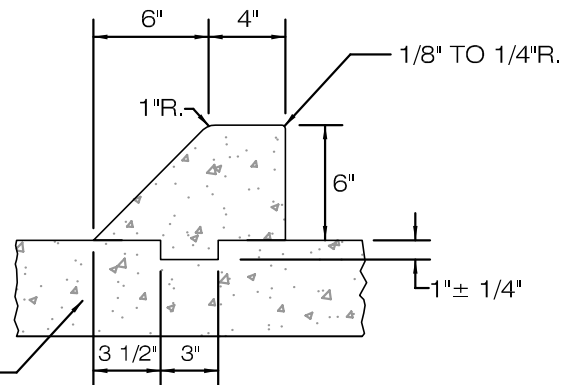


**OUT FALL CURB & GUTTER**  
(FORT COLLINS ONLY)



\* 6" w/concrete pavement  
8" w/asphalt

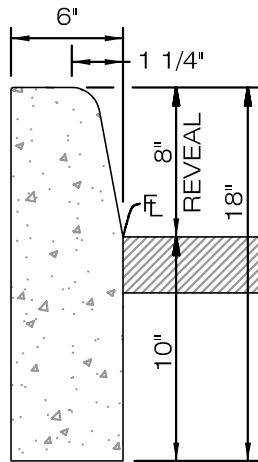
ASPHALT OR  
CONCRETE PAVEMENT



**BARRIER CURB (KEY WAY OR EPOXY)**    **MOUNTABLE CURB (KEY WAY OR EPOXY)**

(SECTION B)

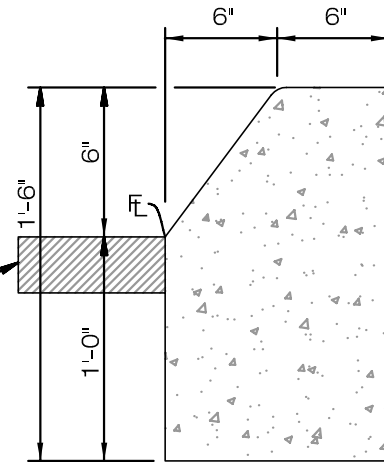
(SECTION M)



**8" BARRIER CURB**

(CDOT TYPE 2 SECTION B M-609-1 CURB W/8" REVEAL)

ROADWAY  
PAVEMENT



**6" MOUNTABLE CURB**

Notes:

- a.) Bottom of curb shall be poured to a depth no less than on the compacted subgrade of the pavement.
- b.) Raised center medians shall be 8" barrier curb or 8" epoxy curb only.

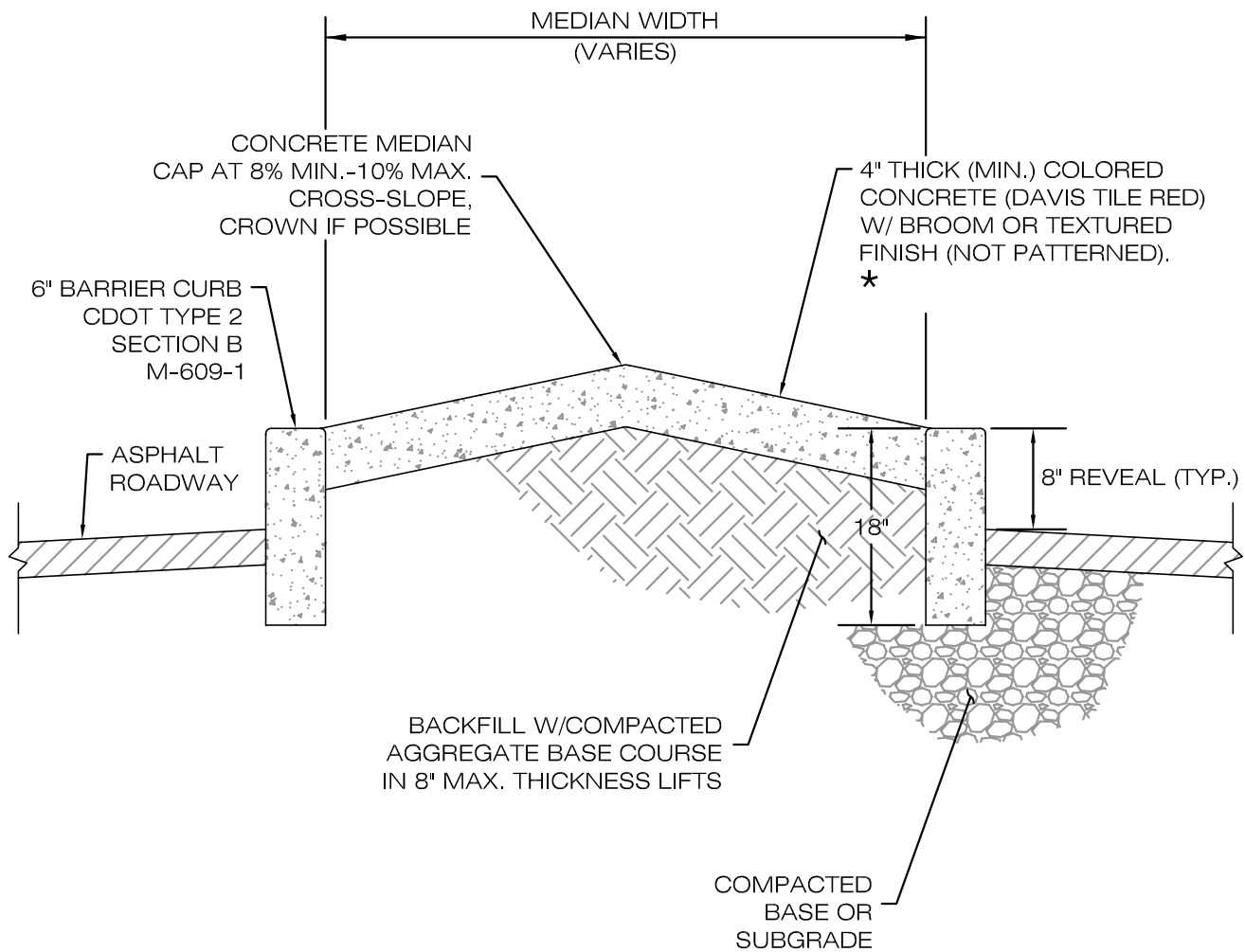
**MEDIAN (ISLAND CURBS)**

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

REVISION NO: 2  
DATE: 04/01/07

DRAWING  
703



NOTES:

1. For areas where the median area is less that 5.5' wide and landscaping cannot be achieved.
2. May be used for portions where the median area is > 5.5' if a variance is granted by the local entity engineer.

\* Design engineer to specify control joint pattern to prevent random shrinkage cracks.

STANDARD DETAILS FOR RAISED MEDIAN

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

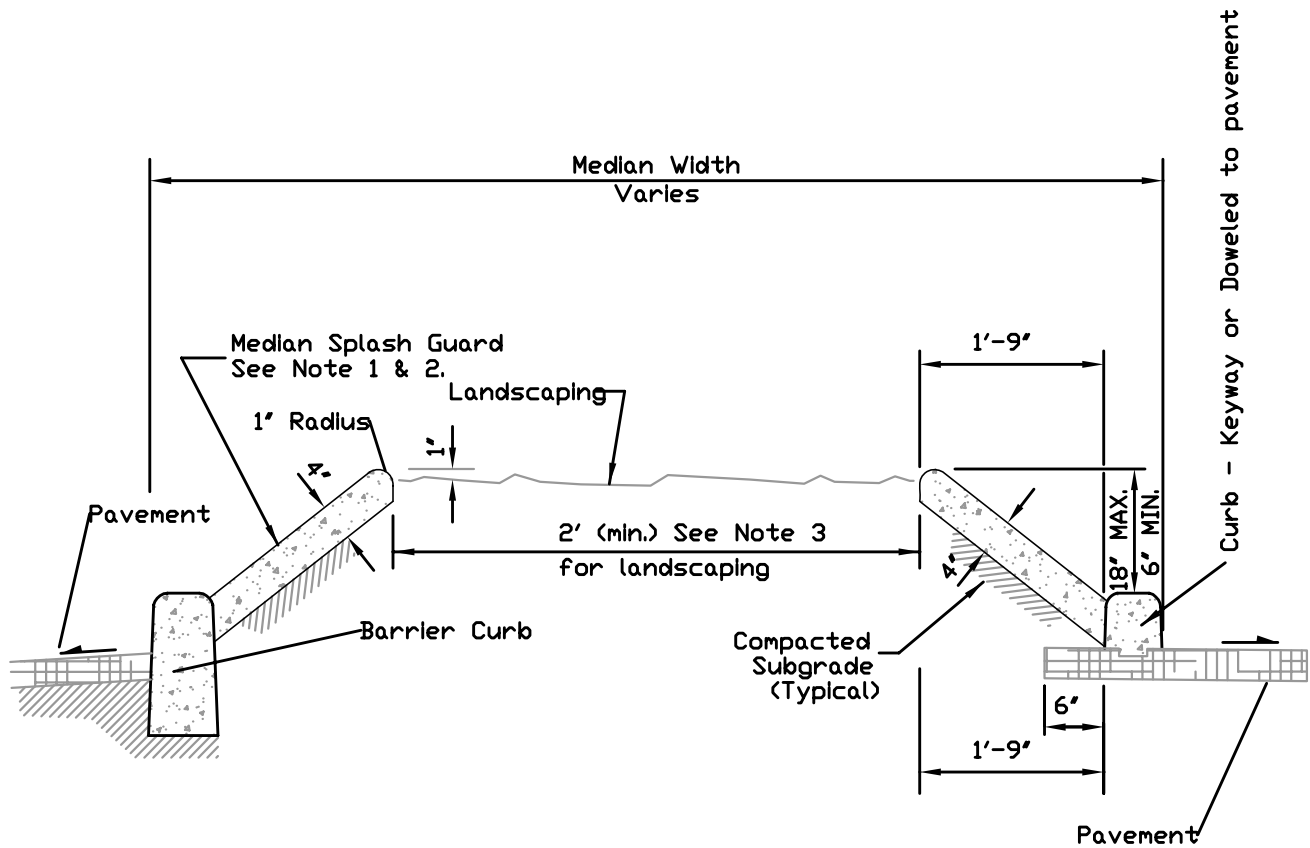
CONSTRUCTION  
DRAWINGS

REVISION NO:

DATE: 04/01/07

DRAWING

704-B



NOTES:

1. All Splash Guard shall be constructed of stamped concrete, colored concrete or equivalent, or exposed aggregate as required by the Local Entity.
2. Use 10' joint spacing on the Splash Guard concrete (match C&G joints).
3. For the portions of medians where the landscape area is less than 2' wide, the landscape area shall be paved in concrete (same material as the Splash Guard)
4. Any median trees shall be trimmed so the minimum branch height is 8' above the pavement.
5. A drainage system may be required whenever an irrigation system is proposed within the median.

STANDARD DETAILS FOR RAISED MEDIAN

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

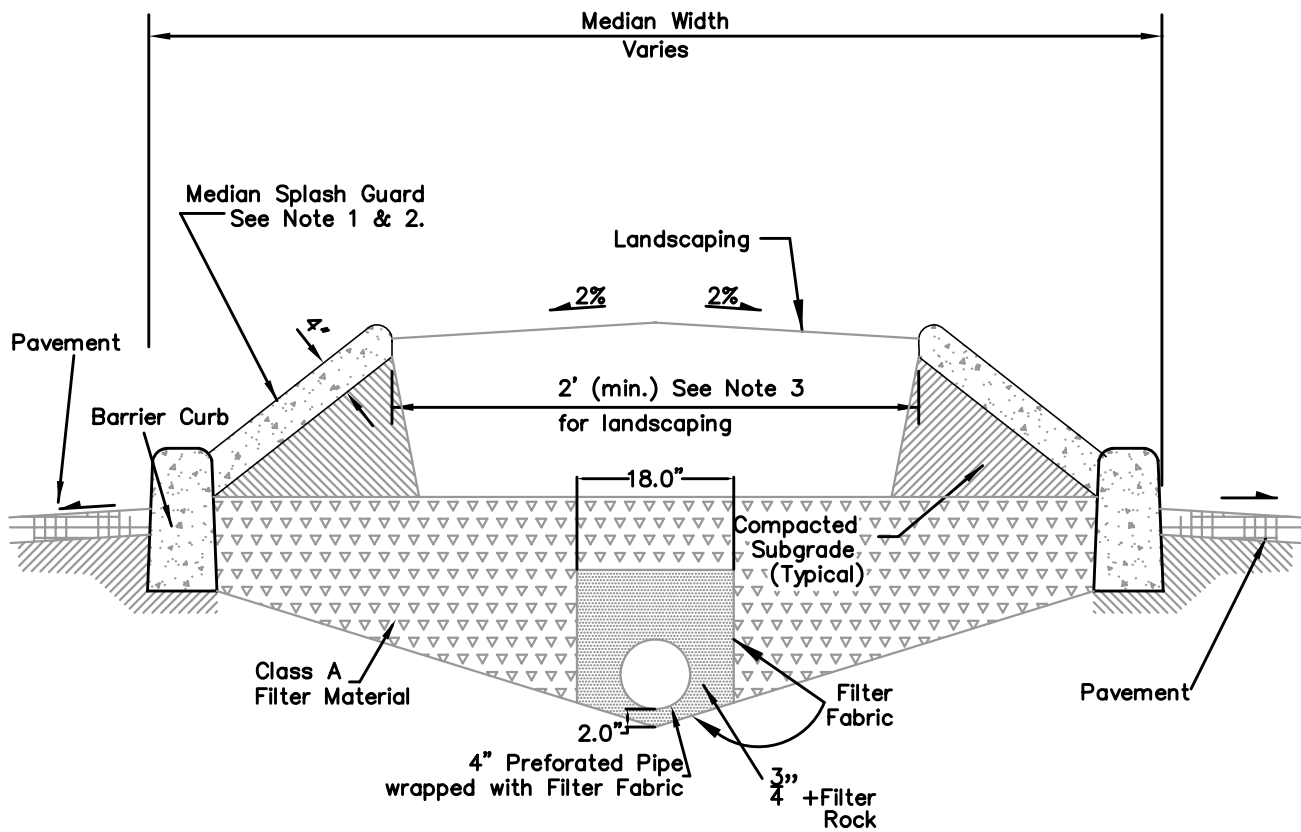
CONSTRUCTION  
DRAWINGS

REVISION NO:

DATE: 04/01/07

DRAWING

705



**NOTES:**

1. All Splash Guard shall be constructed of stamped concrete, colored concrete or equivalent, or exposed aggregate as required by the Local Entity.
2. Use 10' joint spacing on the Splash Guard concrete (match C&G joints).
3. For the portions of medians where the landscape area is less than 2' wide, the landscape area shall be paved in concrete (same material as the Splash Guard)
4. Any median trees shall be trimmed so the minimum branch height is 8' above the pavement.
5. A drainage system may be required whenever an irrigation system is proposed within the median.

**LANDSCAPING AND DRAIN DETAILS FOR RAISED MEDIAN**

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

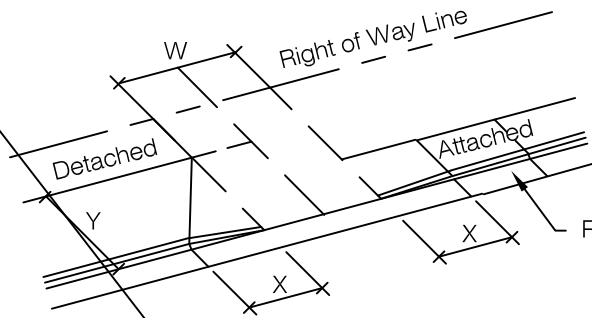
CONSTRUCTION  
DRAWINGS

REVISION NO:

DATE: 04/01/07

DRAWING

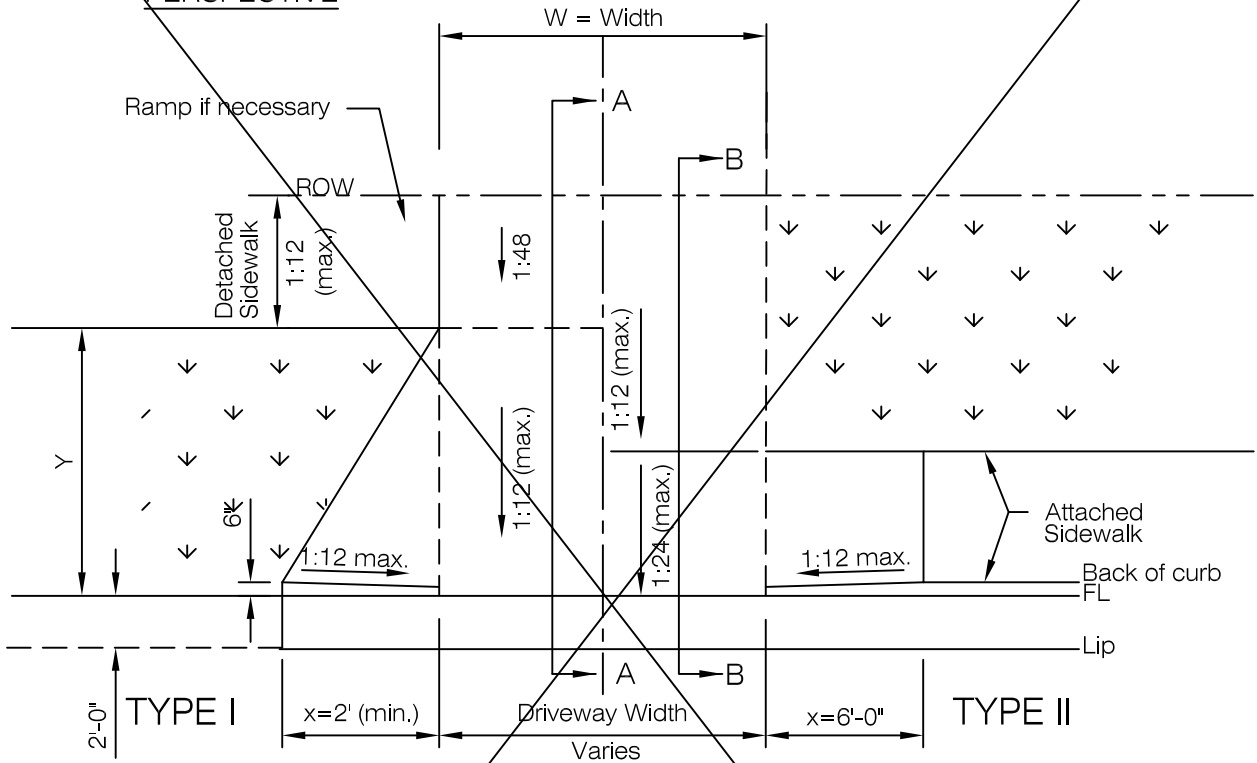
705a



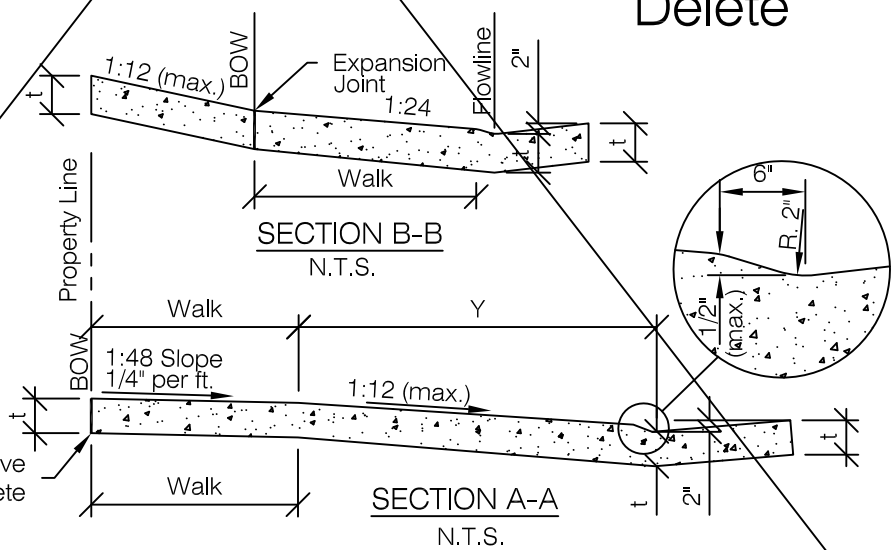
X = Curb Transition Length  
 Y = Parkway Width in Type I Approach  
 W = Driveway Width (See Drawing 707)  
 t = Concrete Thickness - minimum 6"  
 Type I = With Detached Sidewalk  
 Type II = With Attached Sidewalk

Refer to Chapter 25 for minimum removal dimensions.

PERSPECTIVE



Delete



NOTE:

1. Concrete driveway must be provided to the property line.

Expansion Joint if drive continues as concrete

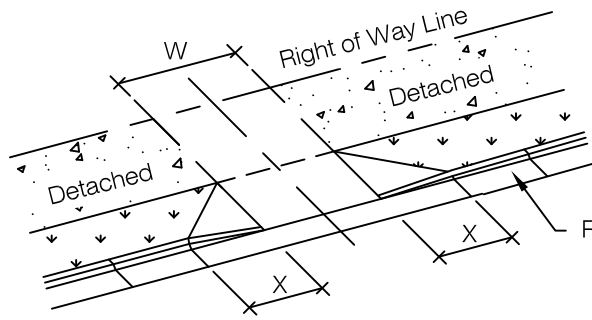
**STANDARD DRIVEWAY APPROACH (TYPES I & II)**

LARIMER COUNTY  
 URBAN AREA  
 STREET STANDARDS

CONSTRUCTION  
 DRAWINGS

REVISION NO: 3  
 DATE: 02/17/15

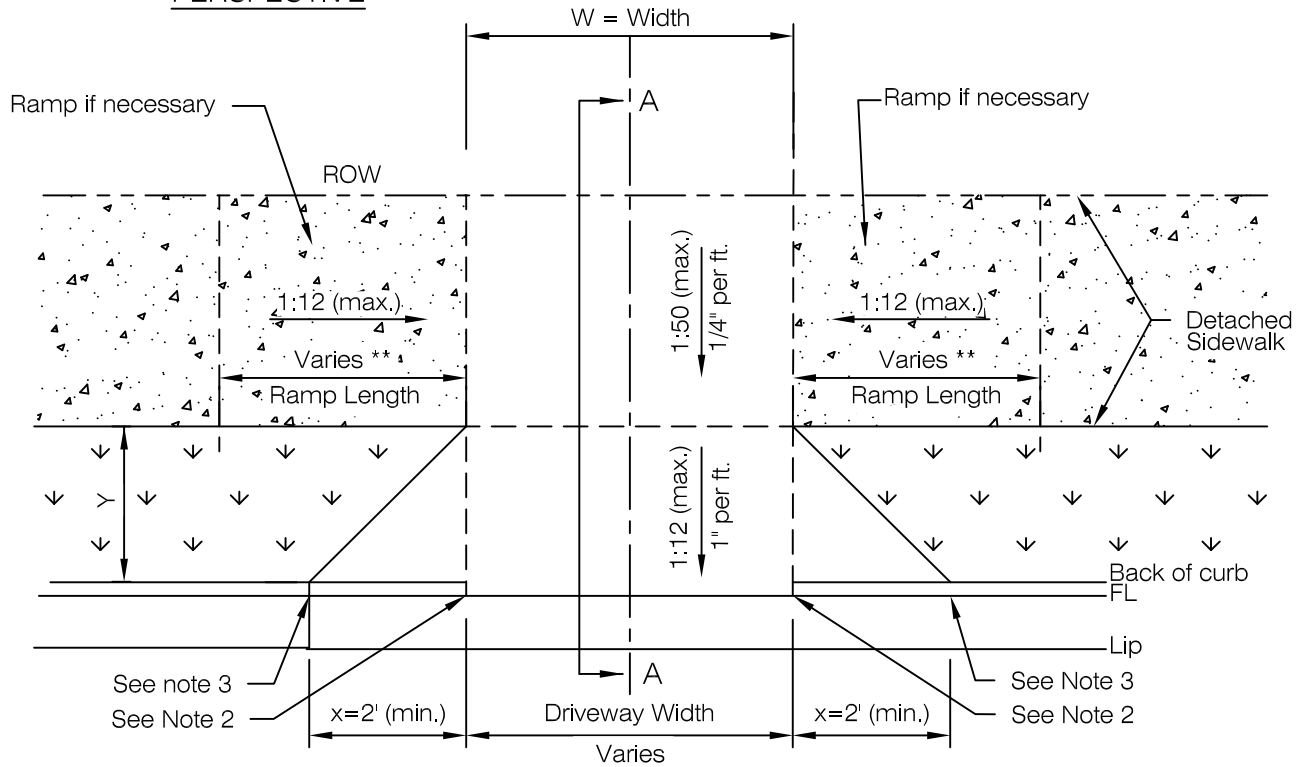
DRAWING  
 706



X = Curb Transition Length  
 Y = Parkway Width Varies  
 W = Driveway Width, See Standard Drawing Series 707  
 T = Concrete Thickness - 6" Residential, 8" Commercial

Refer to Chapter 25 for minimum removal dimensions.

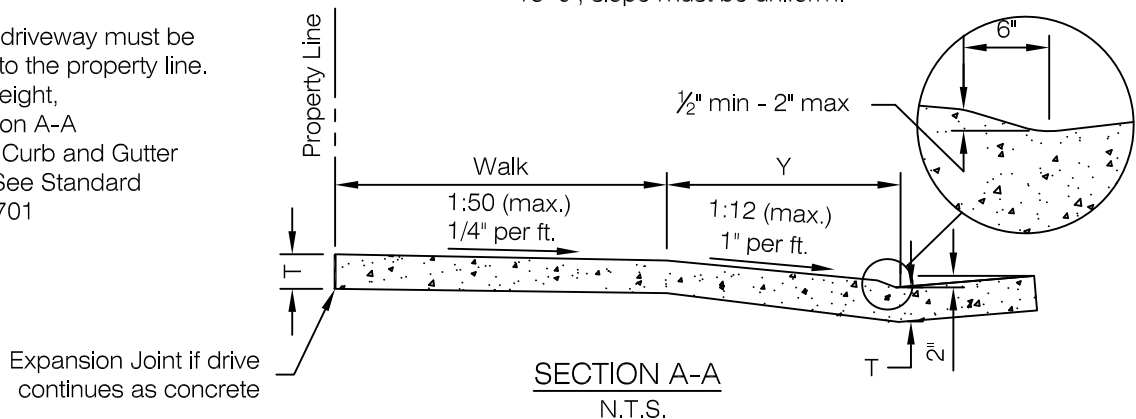
**PERSPECTIVE**



**NOTE:**

1. Concrete driveway must be provided to the property line.
2. 0" Curb Height, See Section A-A
3. Standard Curb and Gutter Section, See Standard Drawing 701

\*\* Ramp length not to exceed 15'-0", slope must be uniform.



**NOT TO SCALE**

**STANDARD DRIVEWAY APPROACH DETACHED WALK (Type I)**

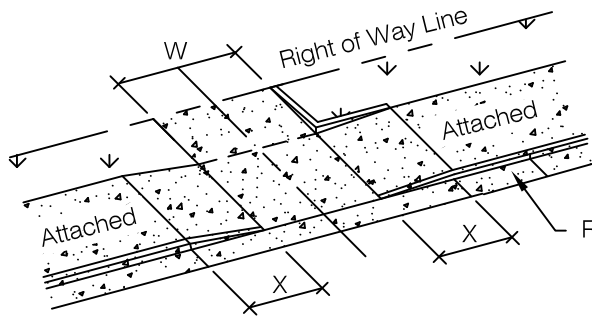
LARIMER COUNTY  
 URBAN AREA  
 STREET STANDARDS

CONSTRUCTION  
 DRAWINGS

REVISION NO: 1  
 DATE: 02/17/15

DRAWING  
 706.1

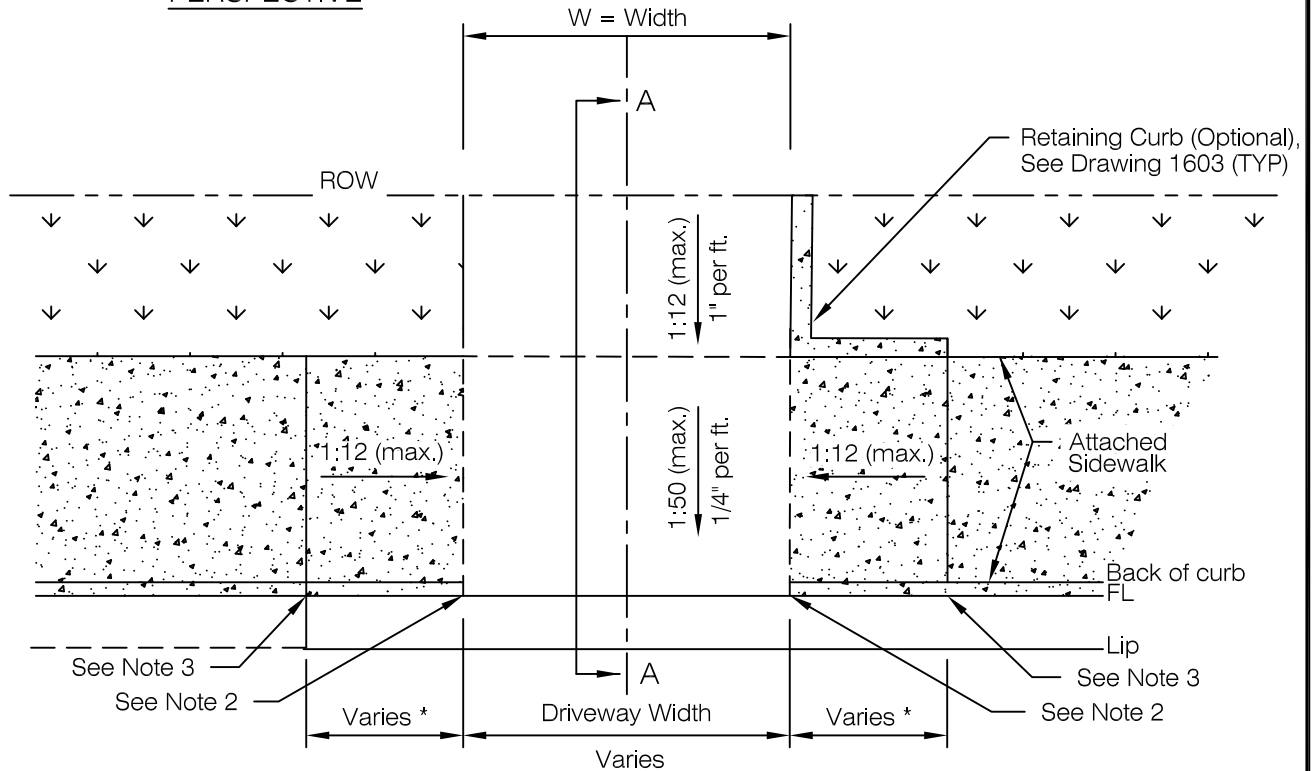




X = Curb Transition Length, Varies\*  
 W = Driveway Width (See Drawing Series 707)  
 T = Concrete Thickness - 6" Residential,  
 8" Commercial.

Refer to Chapter 25 for minimum removal dimensions.

**PERSPECTIVE**

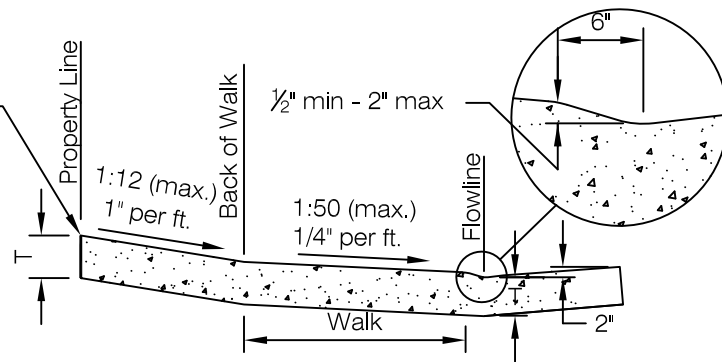


\* Ramp length not to exceed 15'-0", slope must be uniform.

Expansion Joint if driveway continues as concrete

**NOTE:**

1. Concrete driveway shall be provided to the property line.
2. 0" Curb Height, See Section A-A
3. Full Curb and Gutter, See Standard Drawing 701.



**SECTION A-A**  
N.T.S.

**NOT TO SCALE**

**STANDARD DRIVEWAY APPROACH ATTACHED WALK (TYPE II)**

**LARIMER COUNTY  
 URBAN AREA  
 STREET STANDARDS**

**CONSTRUCTION  
 DRAWINGS**

**REVISION NO: 1  
 DATE: 02/17/15**

**DRAWING  
 706.2**

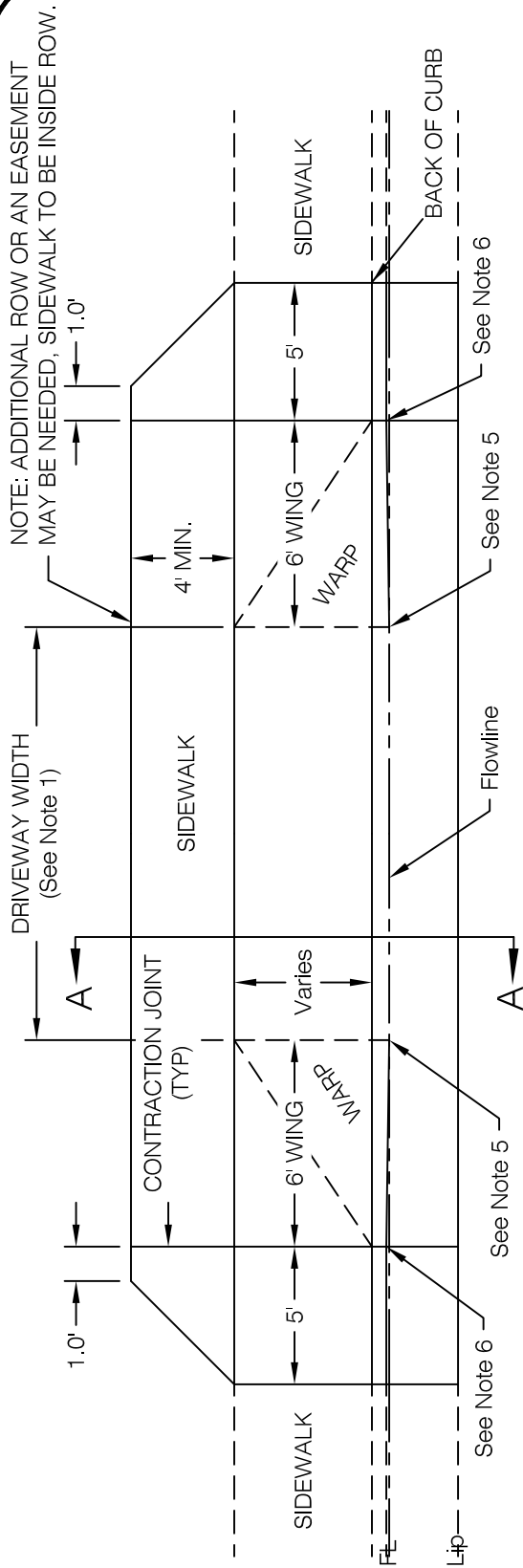
# DRIVEWAY WITH ADA BYPASS SIDEWALK (TYPE II BYPASS)

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

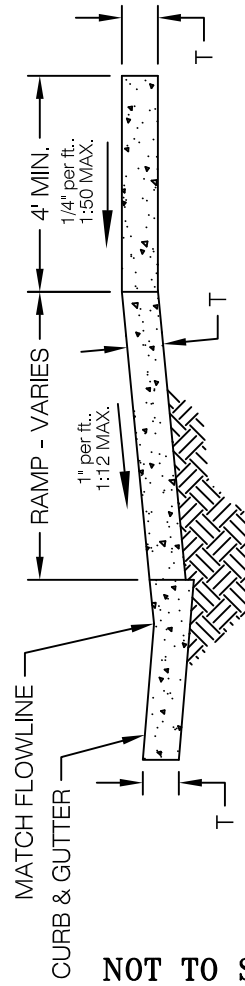
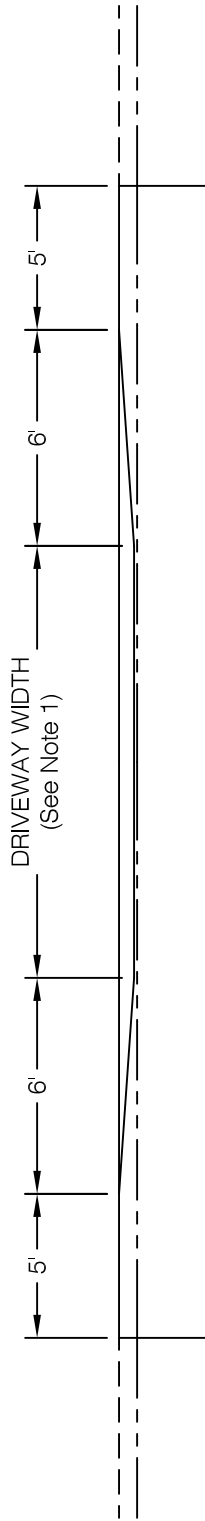
CONSTRUCTION  
DRAWINGS

REVISION NO: 1  
DATE: 02/17/15

DRAWING  
706.3



## DRIVEWAY WITH SIDEWALK ATTACHED TO CURB



NOT TO SCALE

### NOTES:

1. See LCUASS Drawing Series 707 for driveway width.
2. Concrete class per LCUASS Section 22
3. Rough broom finish full width of ramp and wings. Trowel and use light hair broom finish for sidewalk area
4. T = 6' for residential and 8' for commercial
5. 0" curb height. See Section A-A
6. Standard curb and gutter section, See Standard Drawing 701

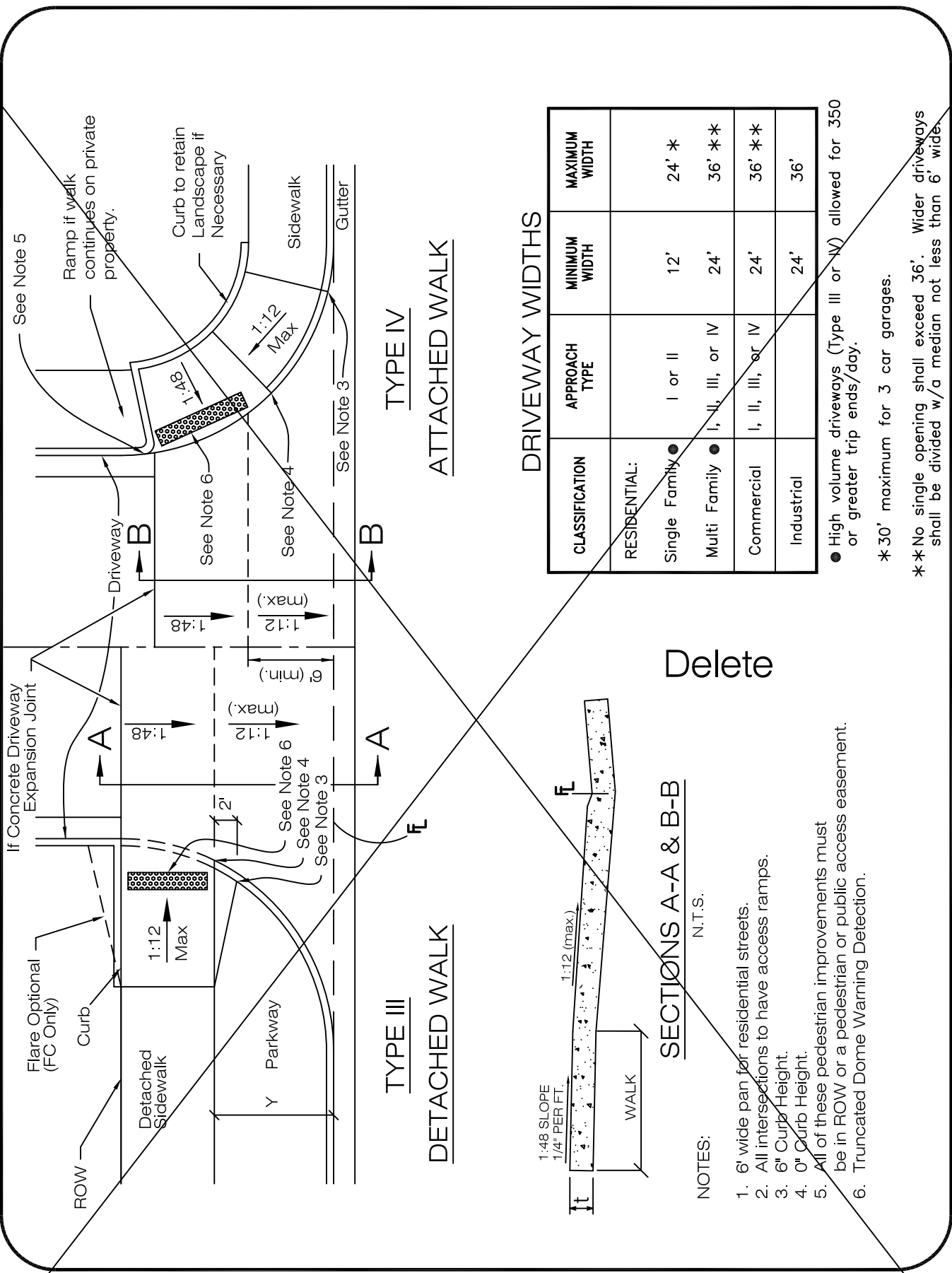
# STANDARD DRIVEWAY APPROACH (HIGH VOLUME DRIVE TYPES III & IV)

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

REVISION NO: 3  
DATE: 02/07/15

DRAWING  
707

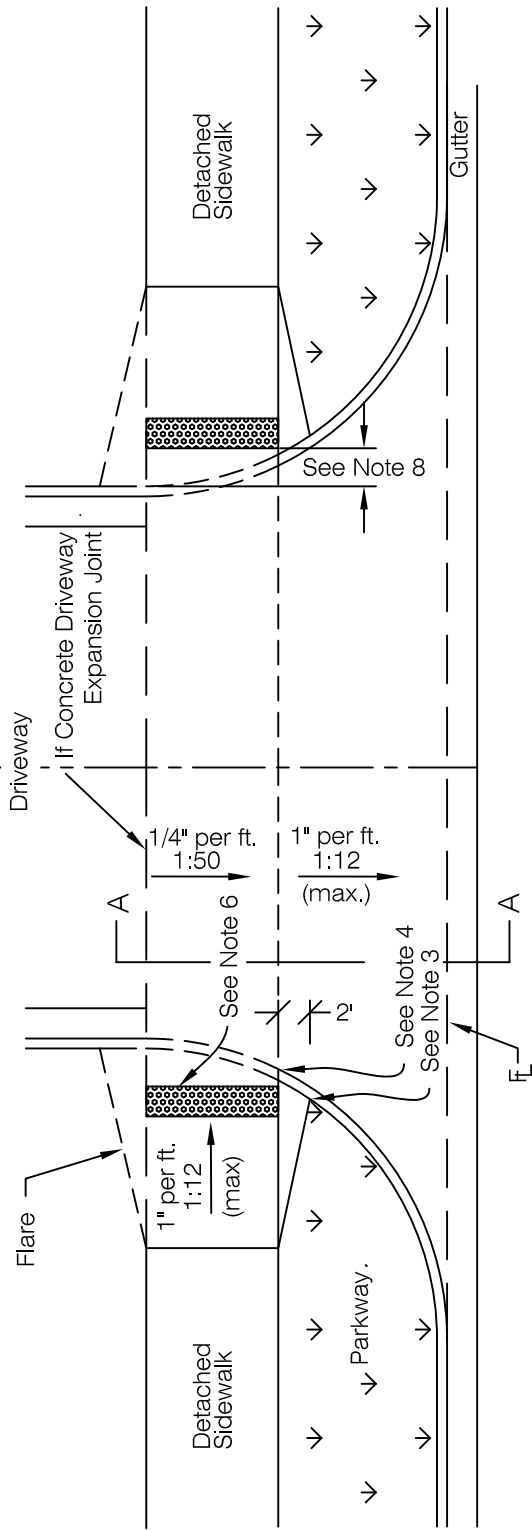


LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

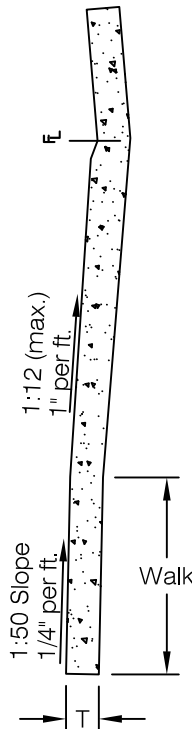
REVISION NO: 3  
DATE: 02/07/15

DRAWING  
707



**TYPE III**

**DETACHED WALK**



**SECTIONS A-A**

N.T.S.

NOTES:

1. 6' wide pan for residential streets.
2. All intersections to have access ramps.
3. Standard Curb and Gutter Section, See Standard Drawing 701
4. 0" Curb Height, See Section A-A
5. All of these pedestrian improvements shall be in ROW or a pedestrian or public access easement.
6. Detectable Warning to extend the full width of the ramp and be 2'-0" in the direction of travel. Maximum slope in the direction of travel shall be no more than 5.0 percent (1:20). Material to be approved by local engineer
7. T = 6" for residential and 8" for commercial.
8. Distance from back of curb to the beginning of Detectable Warning cannot be greater than 5'-0"

**NOT TO SCALE**

**DRIVEWAY WIDTHS**

CLASSIFICATION	APPROACH TYPE	MINIMUM WIDTH	MAXIMUM WIDTH
RESIDENTIAL:			
Single Family ●	I or II	12'	24' *
Multi Family ●	I, II, III, or IV	24'	36' * *
Commercial	I, II, III, or IV	24'	36' * *
Industrial	I, II, III, or IV	24'	36'

● High volume driveways (Type III or IV) allowed for 350 or greater trip ends/day.

\* 30' maximum for 3 car garages.

\* \* No single opening shall exceed 36'. Wider driveways shall be divided w/a median not less than 6' wide.

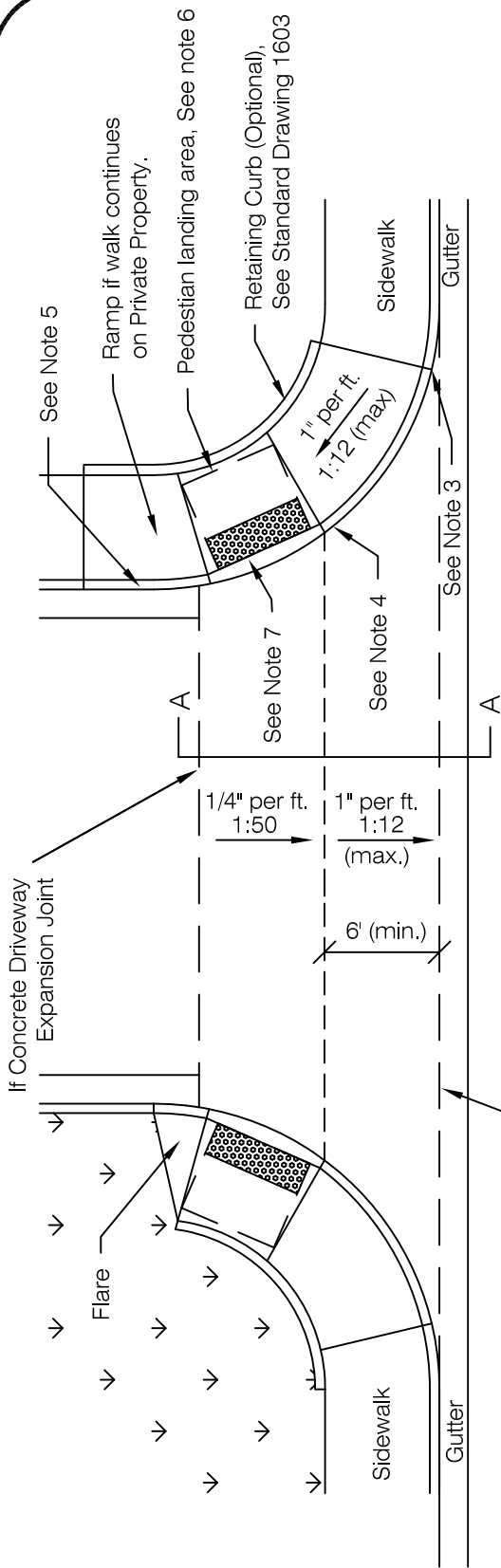
**STANDARD DRIVEWAY APPROACH (HIGH VOLUME DRIVE TYPE III)**

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

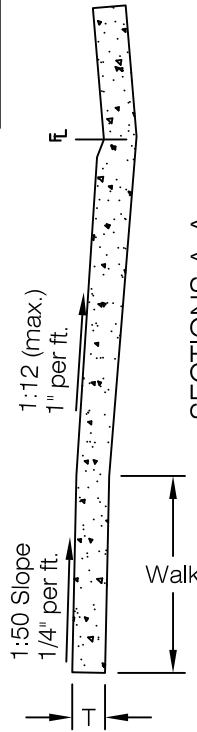
CONSTRUCTION  
DRAWINGS

REVISION NO: 1  
DATE: 02/17/15

DRAWING  
707.1



**TYPE IV  
ATTACHED WALK**



**NOTES:**

1. 6' wide pan for residential streets.
2. All intersections to have access ramps.
3. Standard Curb and Gutter Section, See Standard Drawing 701.
4. 0" Curb Height, See Section A-A
5. All of these pedestrian improvements must be in ROW or a pedestrian or public access easement.
6. Pedestrian landing area, minimum required 4 ft length x 4 ft width, max slope in any direction is 1:50 or 1/4" per foot.
7. Detectable Warning to extend the full width of the landing area and be 2.0' in the direction of travel beginning 6" from flowline. Material to be approved by the local engineer.
8. T = Concrete thickness, 6" for Residential and 8" for Commercial

**NOT TO SCALE**

**DRIVEWAY WIDTHS**

CLASSIFICATION	APPROACH TYPE	MINIMUM WIDTH	MAXIMUM WIDTH
RESIDENTIAL: Single Family ●	I or II	12'	24' *
Multi Family ●	I, II, III, or IV	24'	36' * *
Commercial	I, II, III, or IV	24'	36' * *
Industrial	I, II, III, or IV	24'	36'

● High volume driveways (Type III or IV) allowed for 350 or greater trip ends/day.

\* 30' maximum for 3 car garages.

\* \* No single opening shall exceed 36'. Wider driveways shall be divided w/a median not less than 6' wide.

**STANDARD DRIVEWAY APPROACH (HIGH VOLUME DRIVE TYPES IV)**

**LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS**

**CONSTRUCTION  
DRAWINGS**

**REVISION NO: 1  
DATE: 02/17/15**

**DRAWING  
707.2**

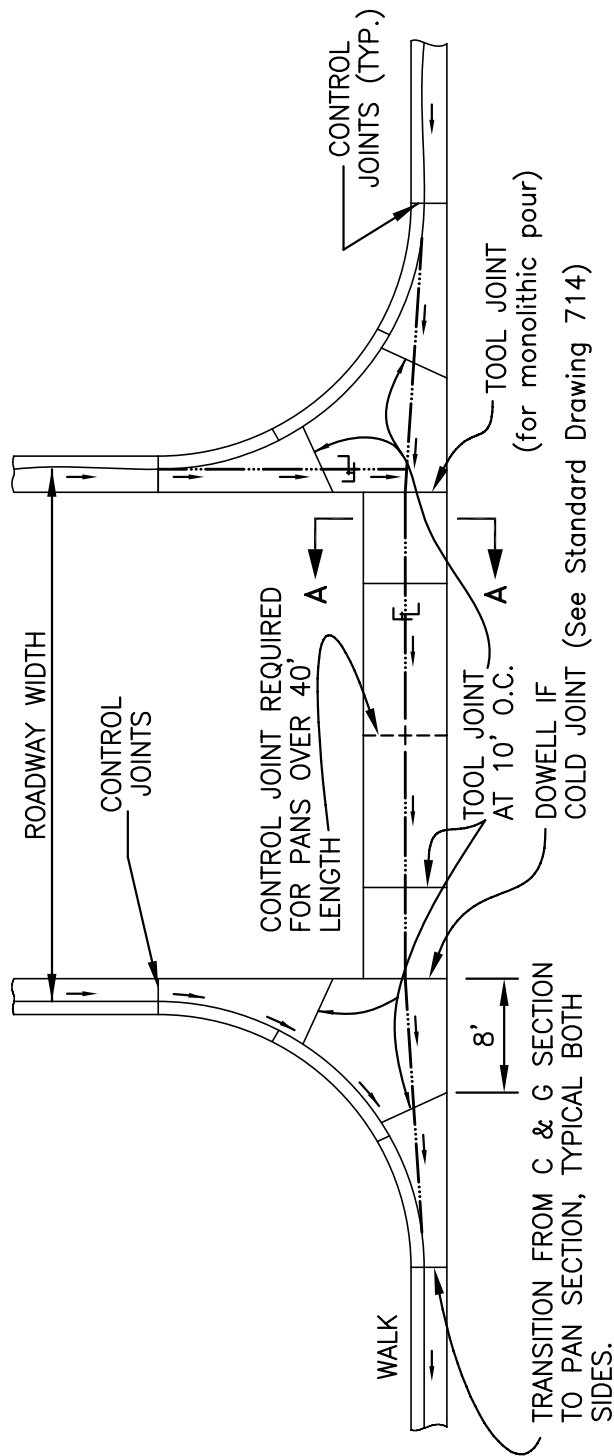
## STREET INTERSECTION CROSSPAN

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

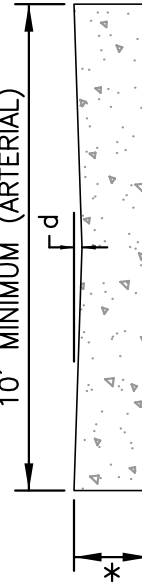
REVISION NO: 2  
DATE: 04/01/07

DRAWING  
708



PLAN VIEW

- 6' MINIMUM (LOCAL)
- 8' MINIMUM (COLLECTOR)
- 10' MINIMUM (ARTERIAL)



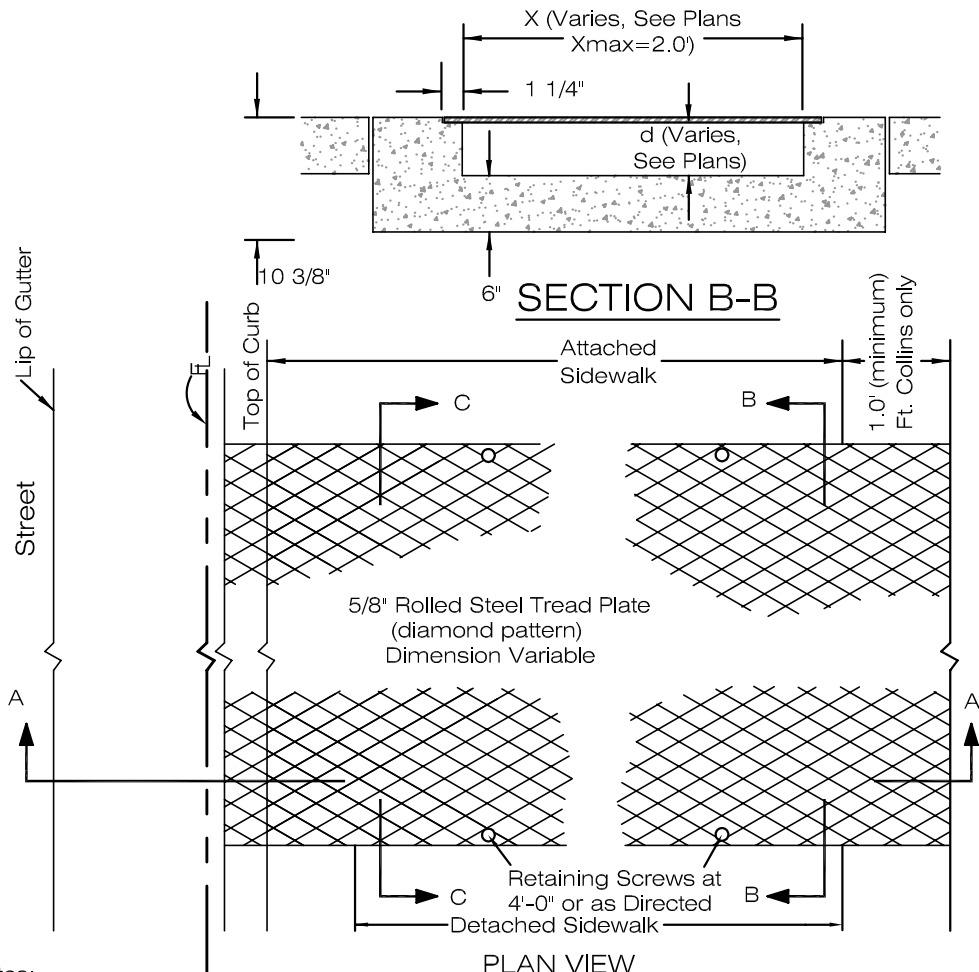
\* 8" MIN. FOR RESIDENTIAL. USE CONCRETE PAVEMENT DESIGN + 1/2" FOR COLLECTOR & ARTERIALS.

### SECTION A-A

NOTE: ALL INTERSECTIONS TO HAVE ACCESS RAMPS

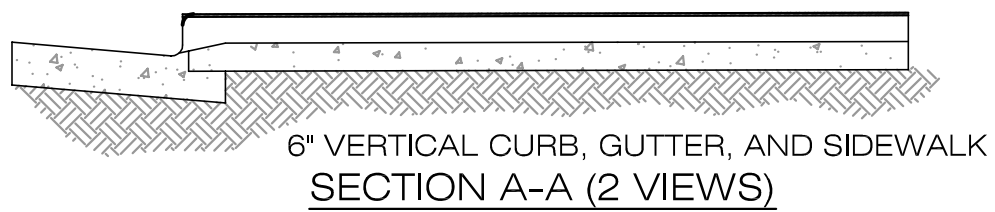
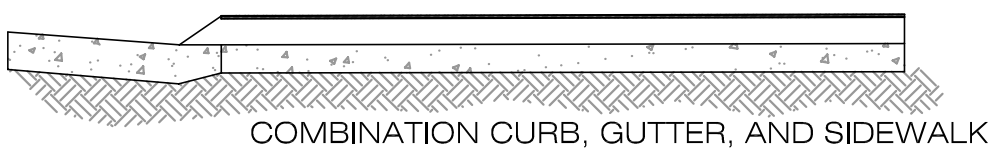
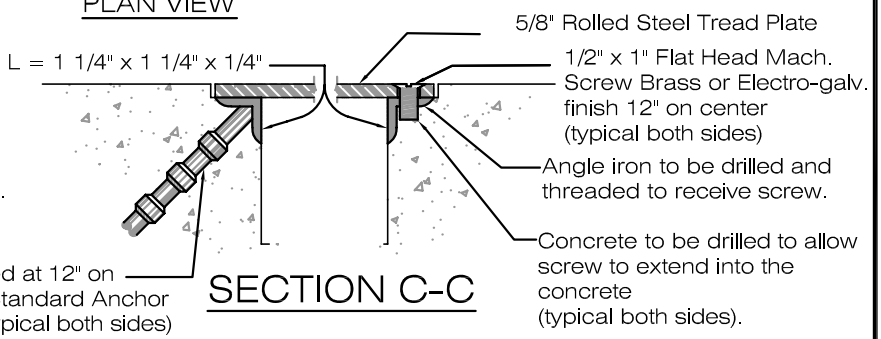
PARALLEL STREET CLASSIFICATION	W CROSS PAN WIDTH	LOVELAND DEPTH OF INVERT		FT. COLLINS DEPTH OF INVERT
		d (MIN.)	d (MAX.)	
Arterial	10'	1 1/4"	2 1/2"	1 1/2"
Collector	8'	1"	2"	1 1/8"
Local	6' **	3/4"	1 1/2"	7/8"

\*\* 8' MIN. WIDTH WHERE CROSSING A COLLECTOR ROADWAY.



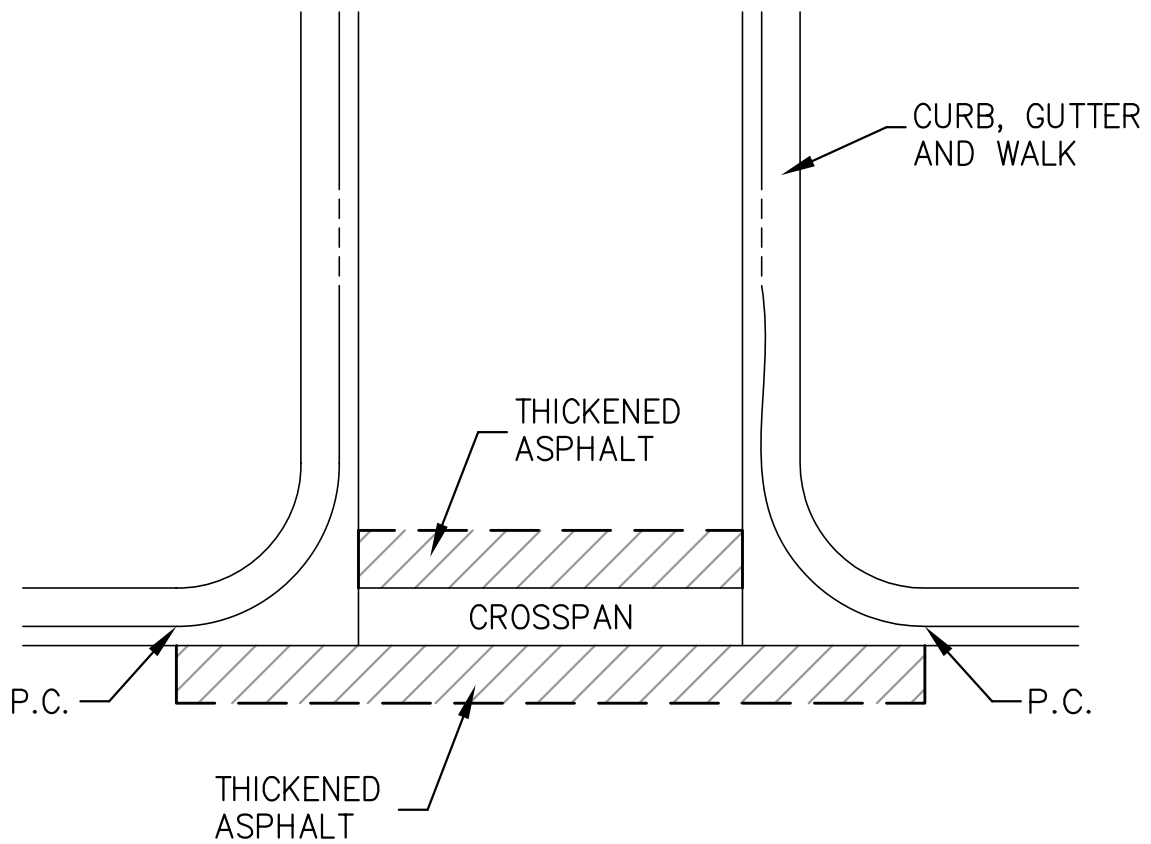
Notes:

1. Length of steel plate varies.
2. Chase and cover plate run from Right of Way line to flow line unless approved by the Engineer. With curb walk, cover plate extends from property line to top of walk face.

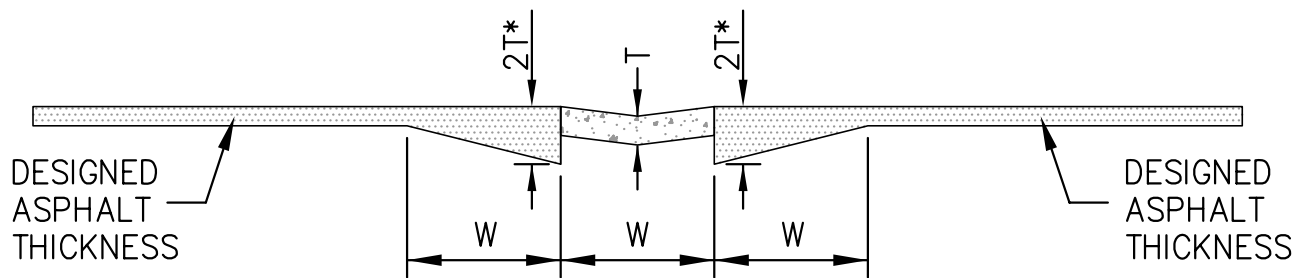


**STANDARD DETAILS FOR DRAINAGE UNDER SIDEWALK**

LARIMER COUNTY URBAN AREA STREET STANDARDS	CONSTRUCTION DRAWINGS	REVISION NO: 1	DRAWING 709
		DATE: 04/01/07	



T = THICKNESS OF CROSSSPAN  
W = WIDTH OF CROSSSPAN



\*-If subgrade is flyash treated, use T instead of 2T.

### ASPHALT PAVING DETAIL (CROSSSPAN)

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

REVISION NO: 1  
DATE: 04/01/07

DRAWING  
710



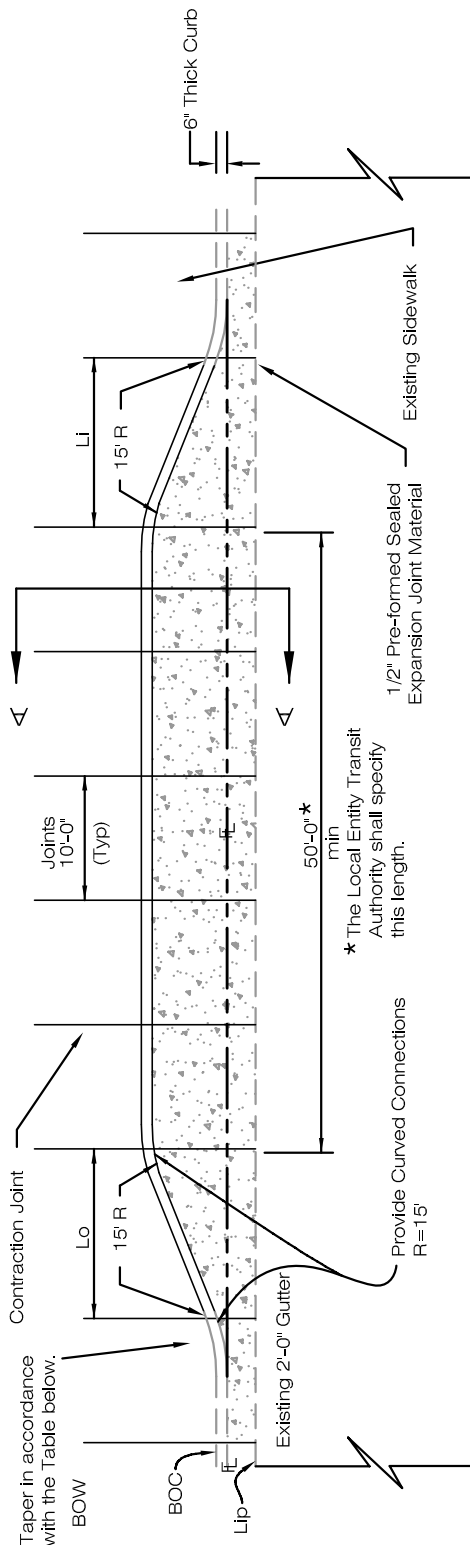
# BUS BAY AND STOP STANDARD

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

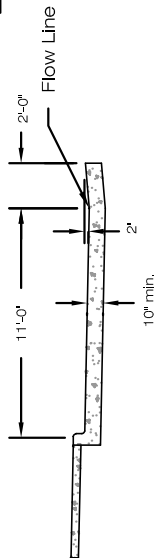
CONSTRUCTION  
DRAWINGS

REVISION NO: 1  
DATE: 04/01/07

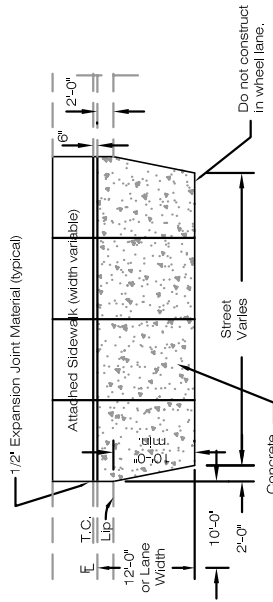
DRAWING  
711



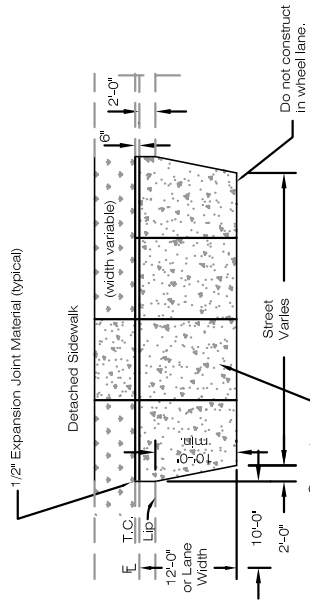
## ASPHALT BUS BAY



### SECTION A-A



### CONCRETE BUS PAD - ATTACHED



### CONCRETE BUS PAD - DETACHED

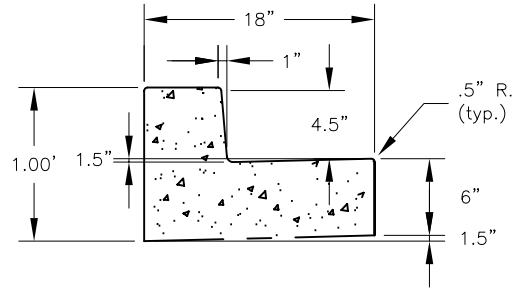
## BUS STOP

BUS BAY TRANSITION LENGTHS		
SPEED LIMIT	LEAD IN LENGTH (LI) (FT.)	LEAD OUT LENGTH (Lo) (FT.)
<35	60	60
40	100	70
45	150	80
50	200	90
55	250	100

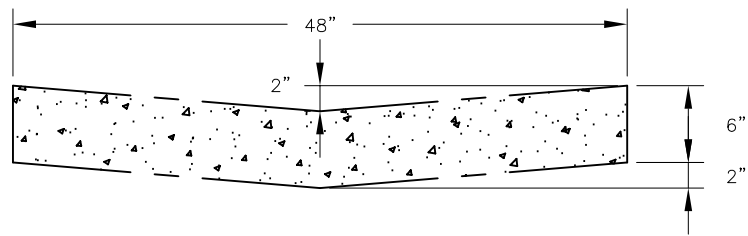
- NOTE:  
1. Length of bus pad varies as directed by the Local Entity.  
2. All pads shall be a minimum of 10" thick concrete.

# LOVELAND (AFFORDABLE HOUSING ONLY)

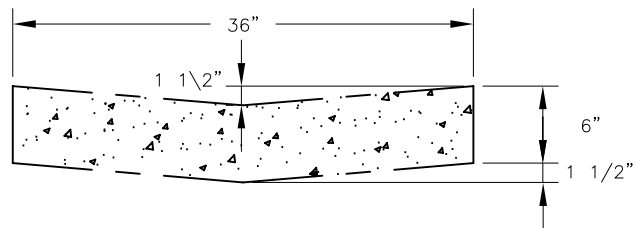
NARROW VERTICAL



VALLEY WALK  
4' WIDE



VALLEY WALK  
3' WIDE



## CONCRETE DETAILS

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

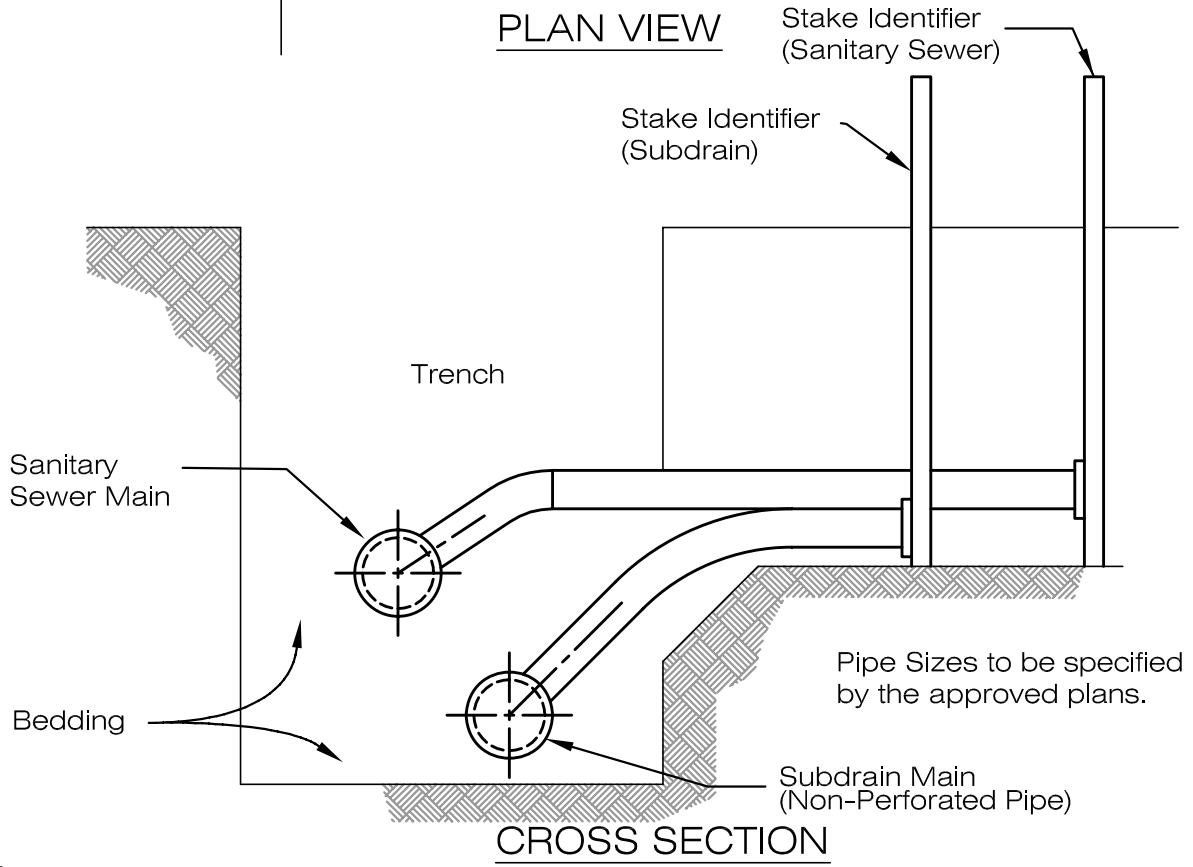
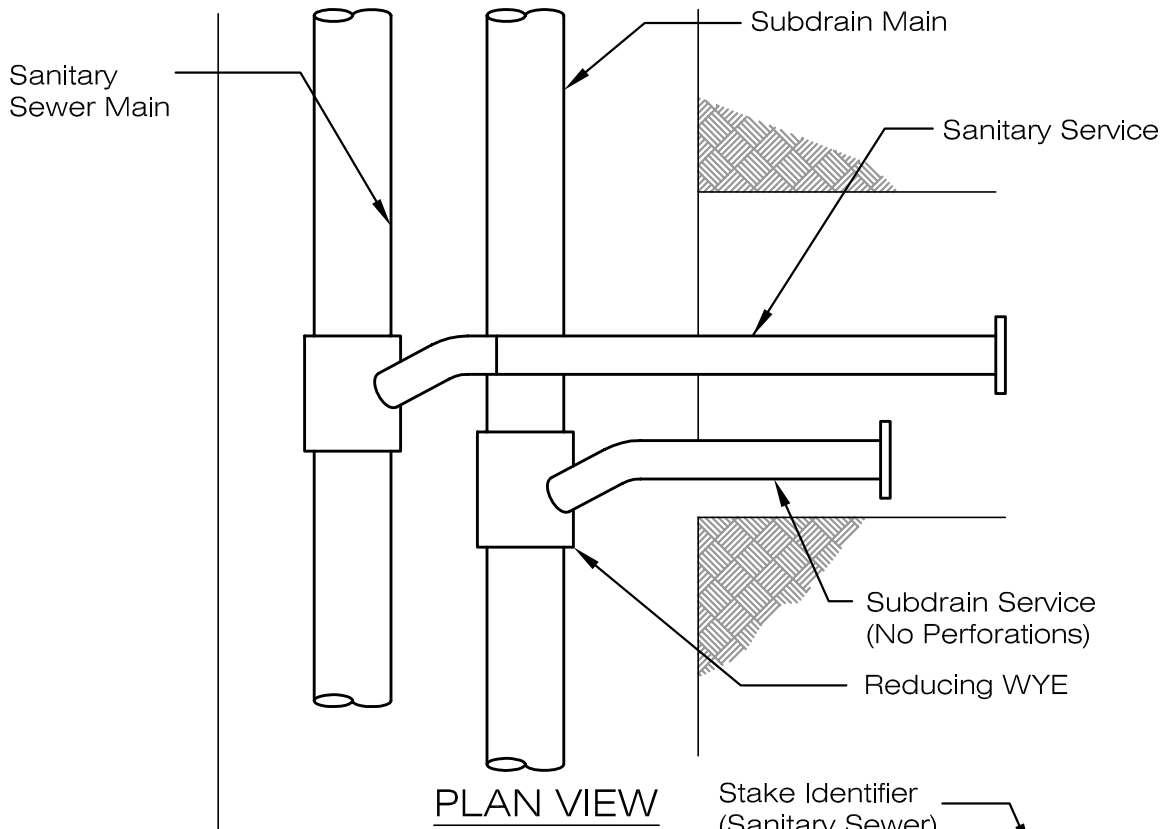
REVISION NO:

DATE: 08/04/99

DRAWING

712L

# FORT COLLINS ONLY



## SUBDRAIN SERVICE DETAIL

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

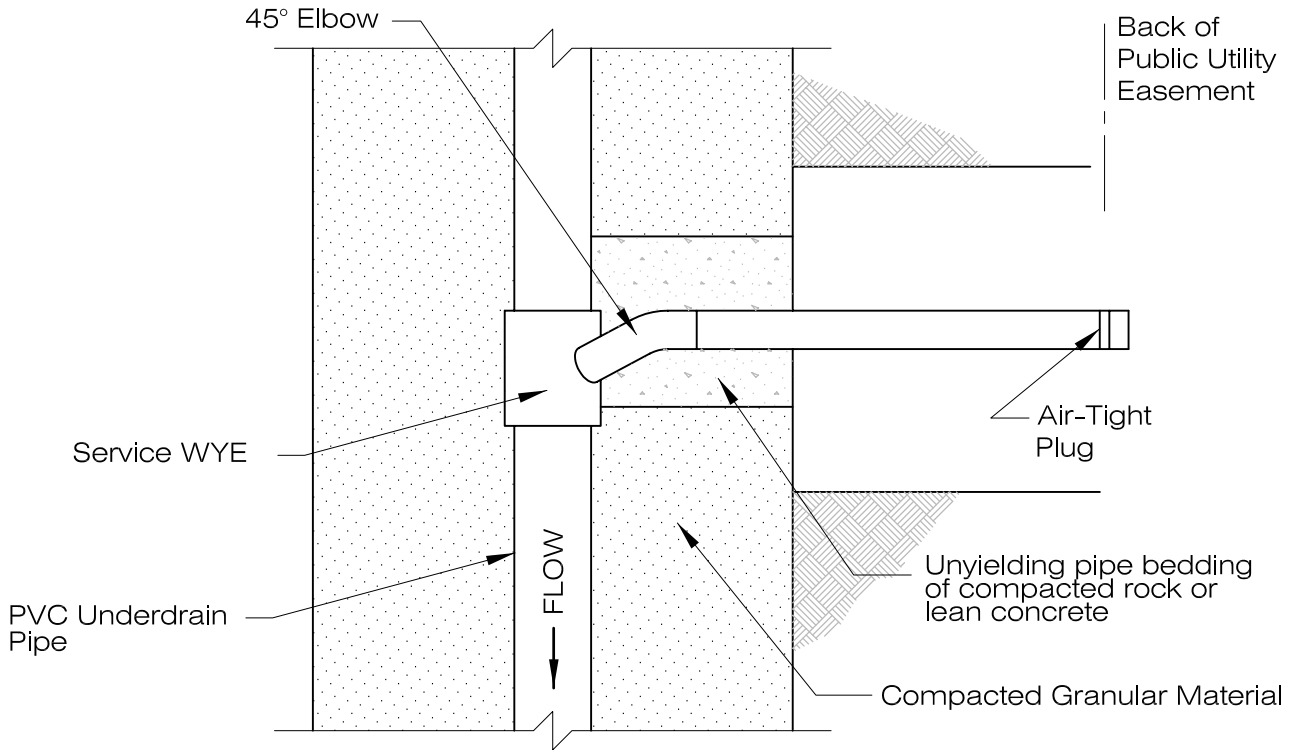
REVISION NO:

DATE: 04/01/07

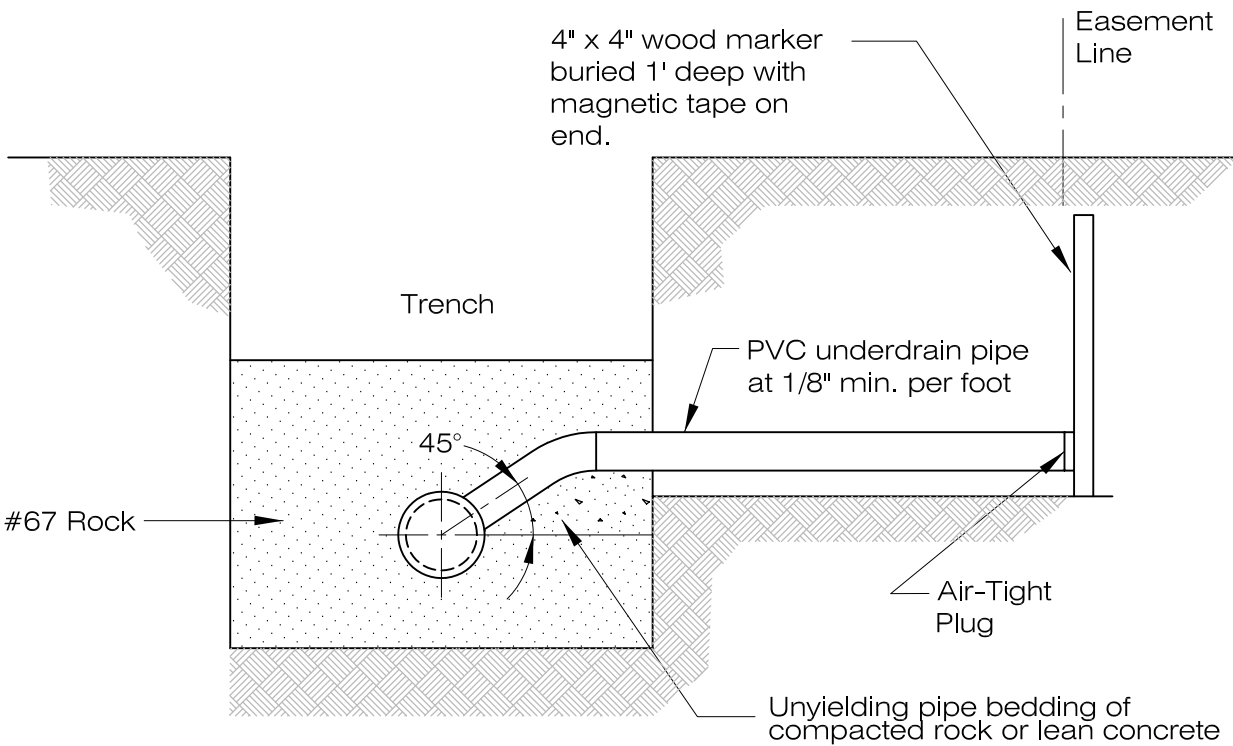
DRAWING

713.1F

# LOVELAND ONLY



**PLAN VIEW**



**CROSS SECTION**

## STANDARD UNDERDRAIN SERVICE CONNECTION

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

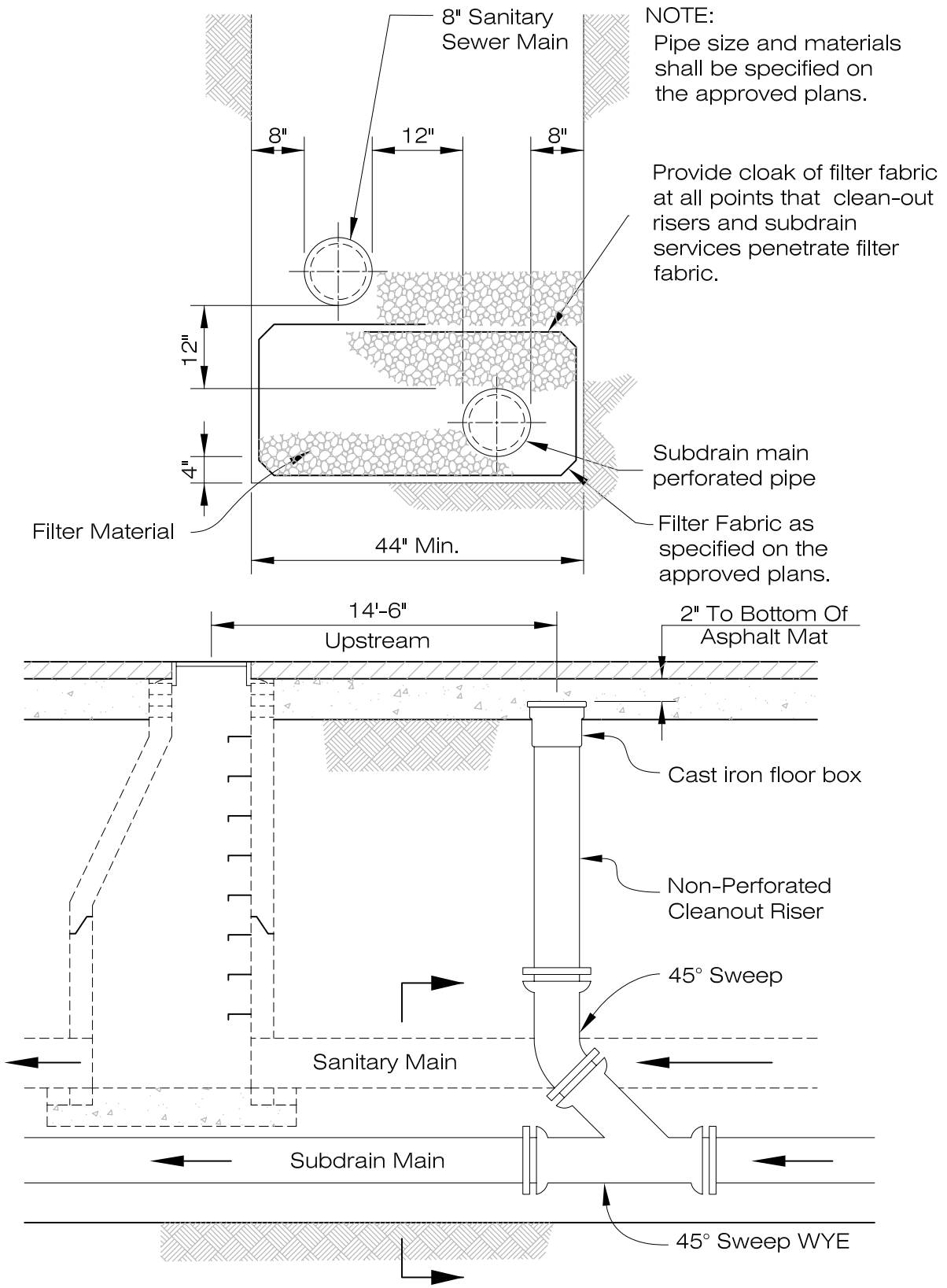
REVISION NO:

DATE: 10/25/01

DRAWING

713.1L

# FORT COLLINS ONLY



## SUBDRAIN MAIN - INSTALLATION DETAILS

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

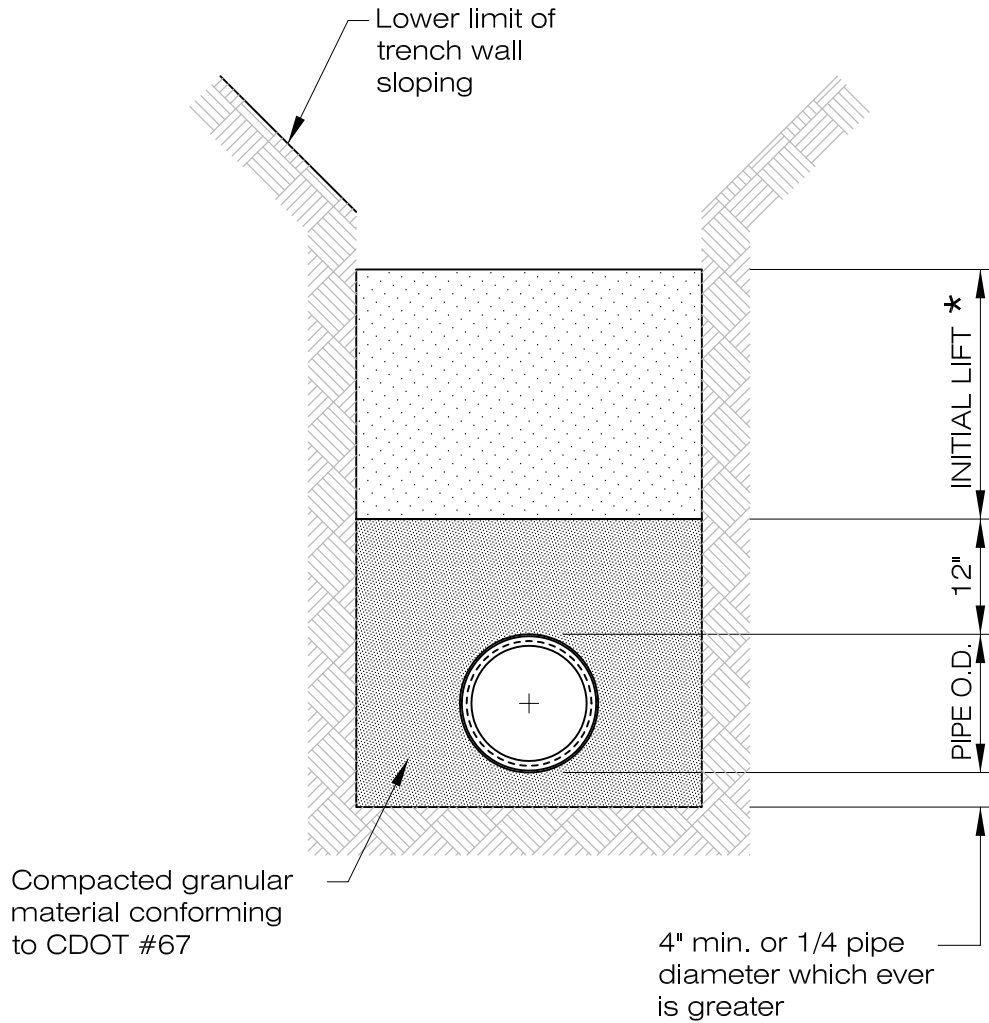
REVISION NO:

DATE: 10/25/01

DRAWING

713.2F

# LOVELAND ONLY



\* Initial lift shall not exceed 3 feet in depth.

NOTE: All underdrain mains will be pressure tested and video taped by contractor.

## UNDERDRAIN MAIN – BEDDING REQUIREMENTS

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWING

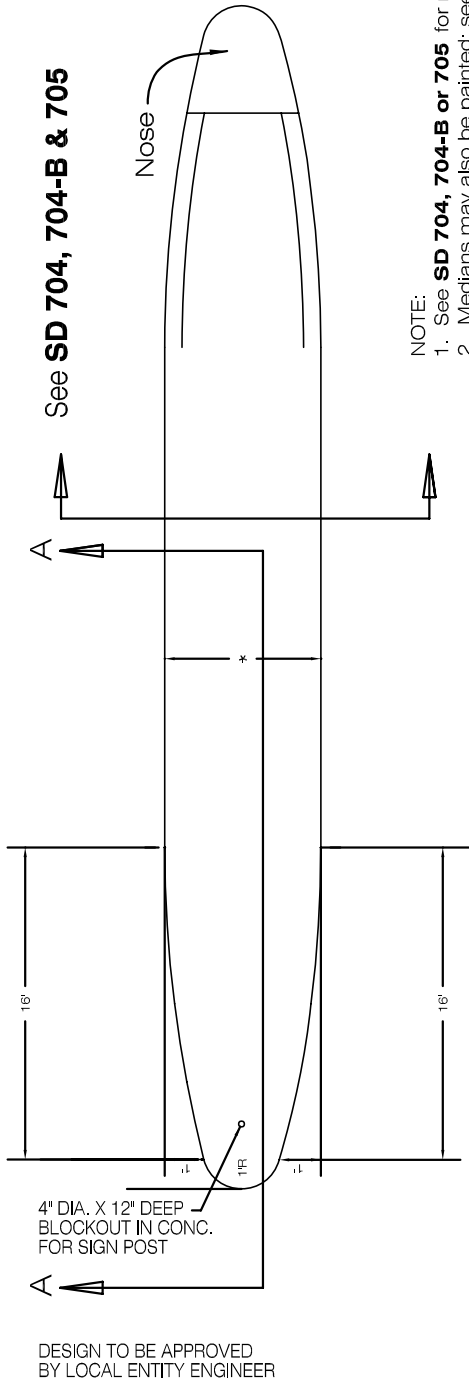
REVISION NO:

DATE: 10/25/01

DRAWING

713.2L

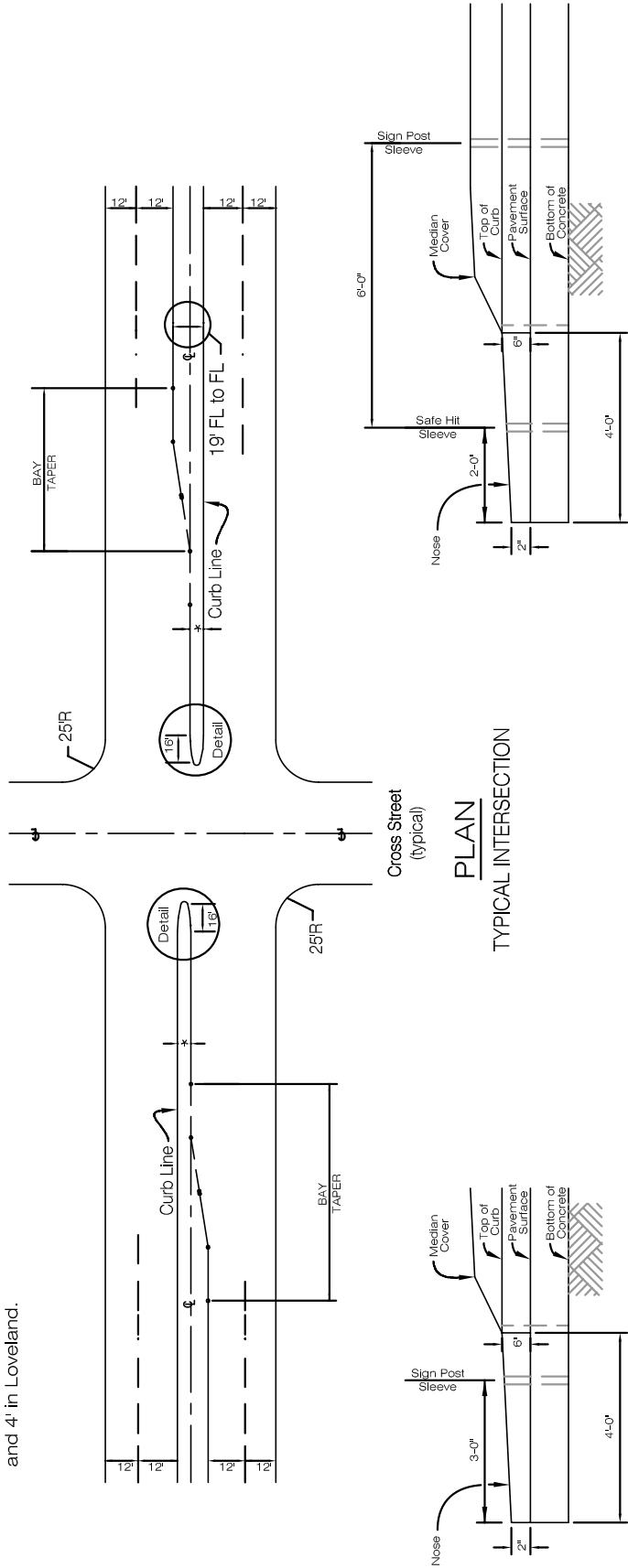
See SD 704, 704-B & 705



NOTE:

1. See SD 704, 704-B or 705 for more details.
2. Medians may also be painted; see Chapter 7.

\* 7' (4' Retrofit) in Fort Collins and 4' in Loveland.



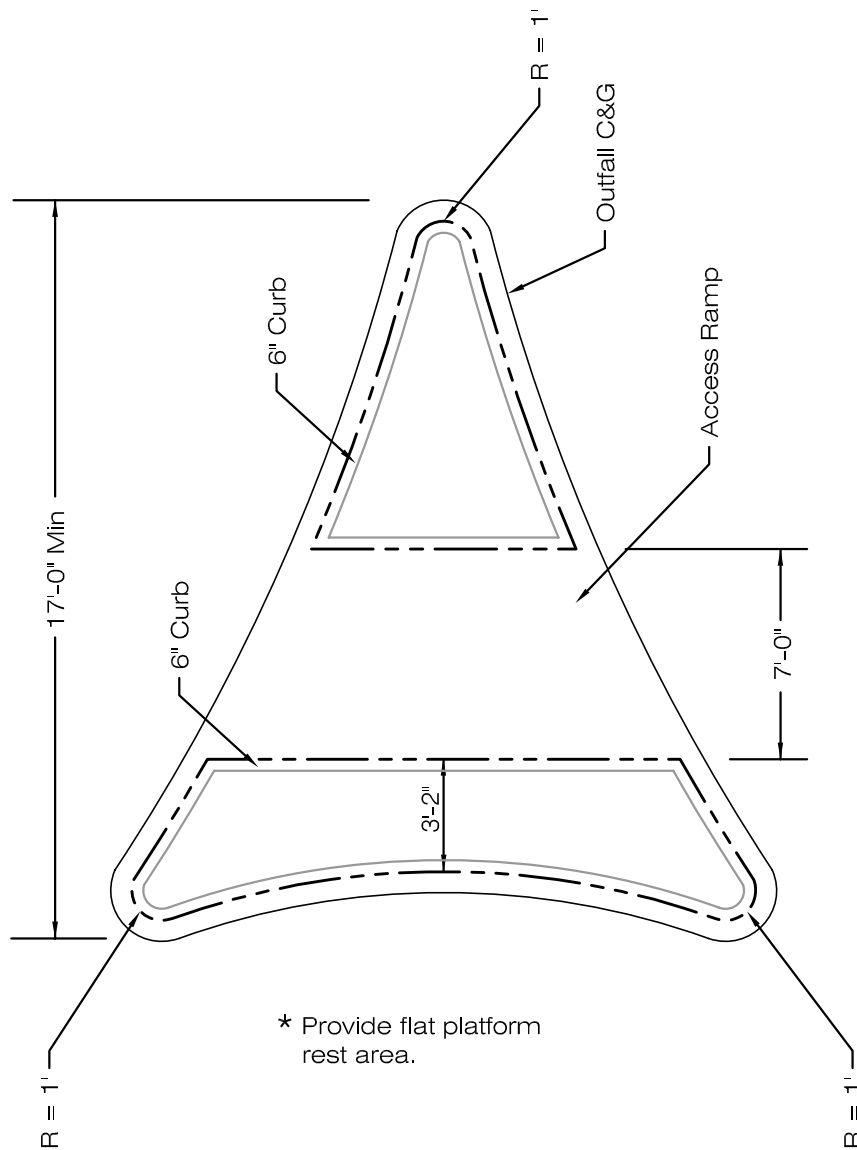
STANDARD DETAILS FOR RAISED MEDIAN GEOMETRY

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWING

REVISION NO: 1  
DATE: 04/01/07

DRAWING  
801



## FORCED TURN BARRIER (SPLITTER ISLAND)

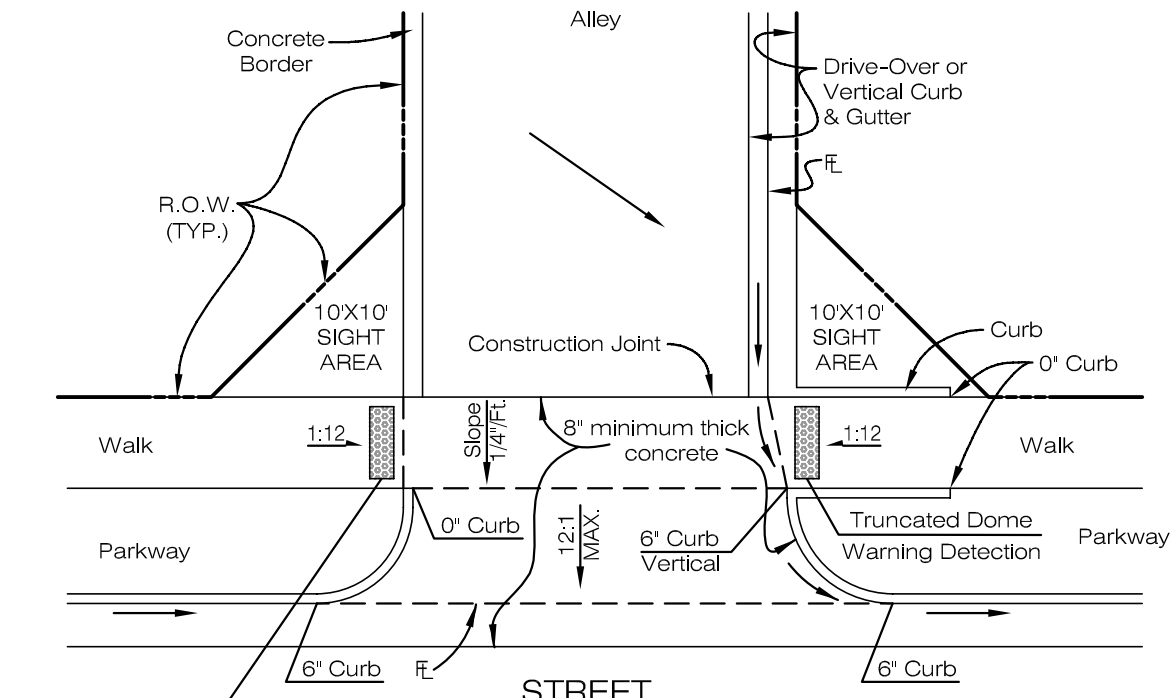
LARIMER COUNTY  
 URBAN AREA  
 STREET STANDARDS

CONSTRUCTION  
 DRAWINGS

REVISION NO: 2  
 DATE: 04/01/07

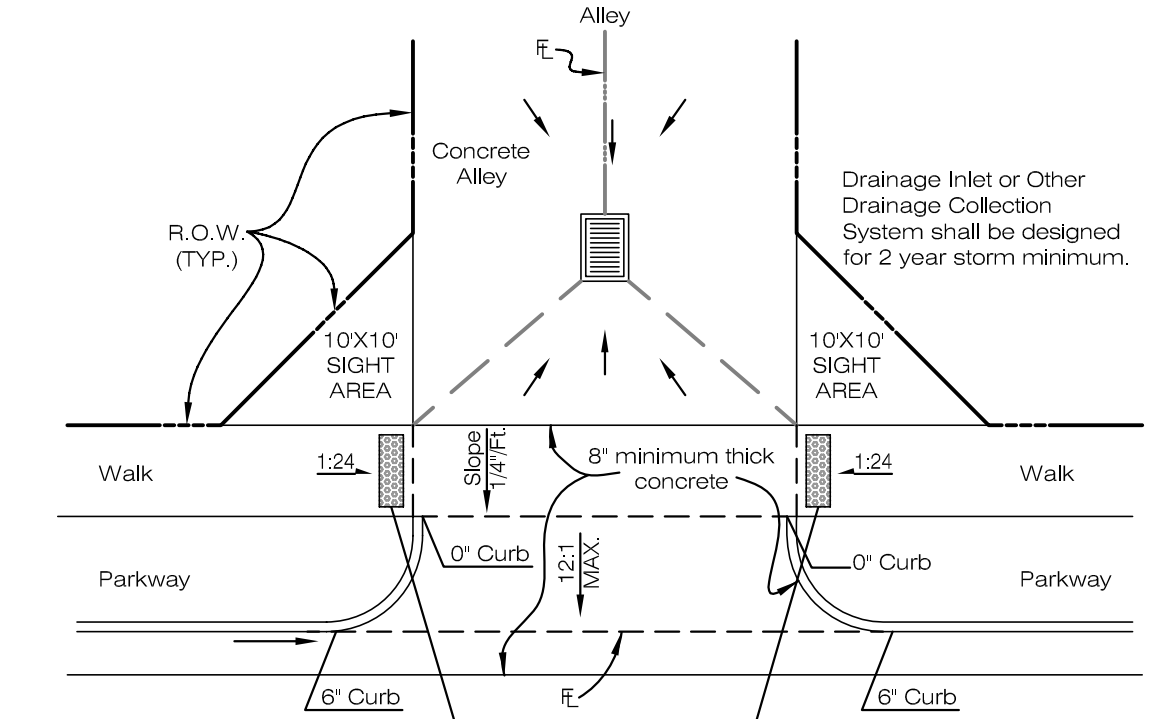
DRAWING  
 802





**ALLEY W/ SIDE DRAINAGE**

Drainage May Cross the Walk Up to a Maximum of 0.5 cfs for the Design 2 Year Storm.



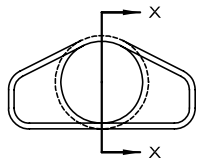
**ALLEY W/ CENTER DRAINAGE**

Drainage May Not Cross the Walk Unless The Water is Sheet Flow and does not interfere with pedestrian use of walk.

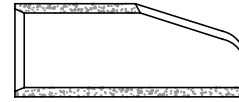
See Tables 8-1 & 8-2 For Radii Requirements

**ALLEY INTERSECTIONS**

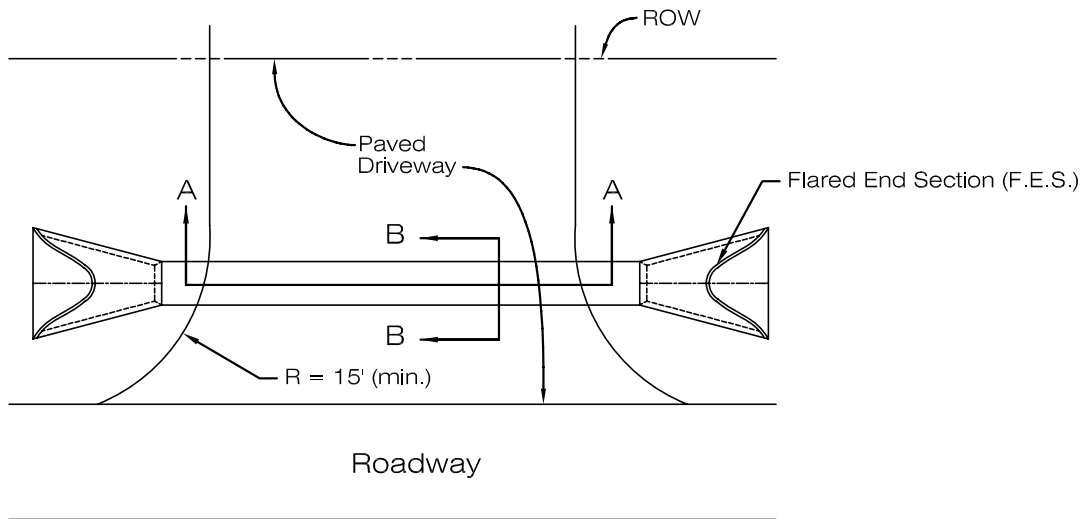
LARIMER COUNTY URBAN AREA STREET STANDARDS	CONSTRUCTION DRAWINGS	REVISION NO: 2	DRAWING 803
		DATE: 04/01/07	



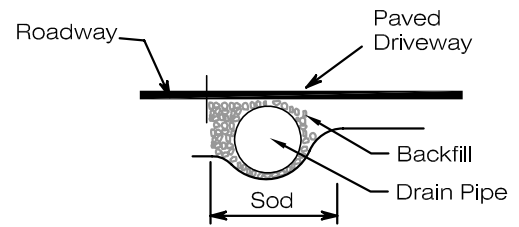
F.E.S. END VIEW



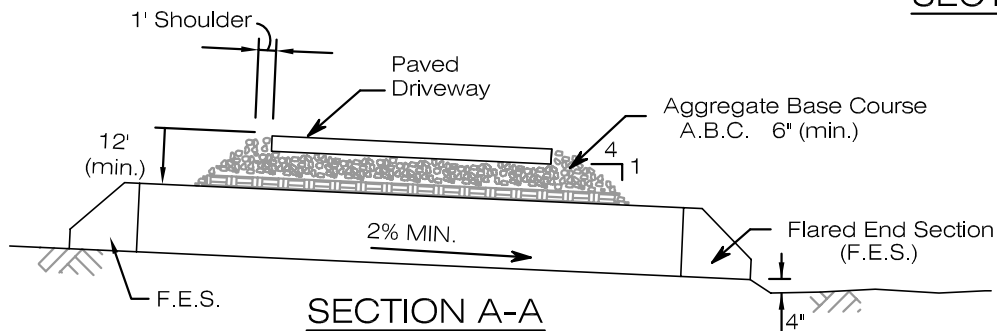
SECTION X-X



PLAN VIEW



SECTION B-B



SECTION A-A

NOTES:

1. Asphalt or concrete driveway.
2. F.E.S. required for each end of pipe. Reinforced concrete F.E.S. req'd. in Ft. Collins City Limits. Drain pipe to be 15" minimum diameter.
3. Ditch must be no more than 4:1 sideslope & sodded throughout.

**ACCESS ON RURAL ROADWAYS (W/O CURB AND GUTTER)**

LARIMER COUNTY  
URBAN AREA  
STREET STANDARDS

CONSTRUCTION  
DRAWINGS

REVISION NO: 2  
DATE: 04/01/07

DRAWING  
901