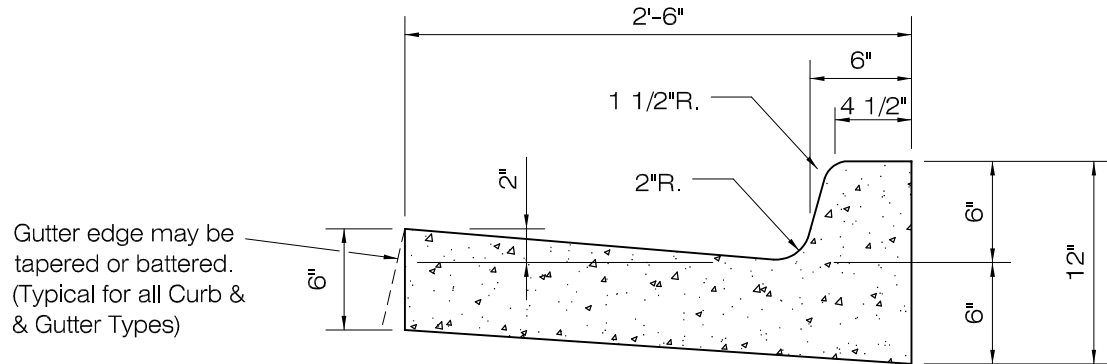
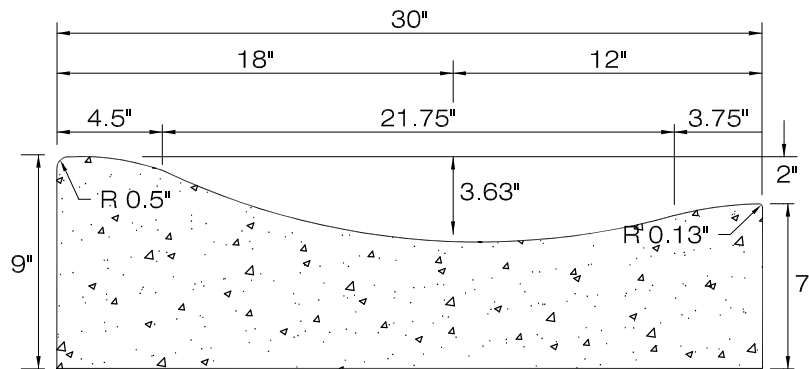




VERTICAL



ROLL-OVER
(LOVELAND)

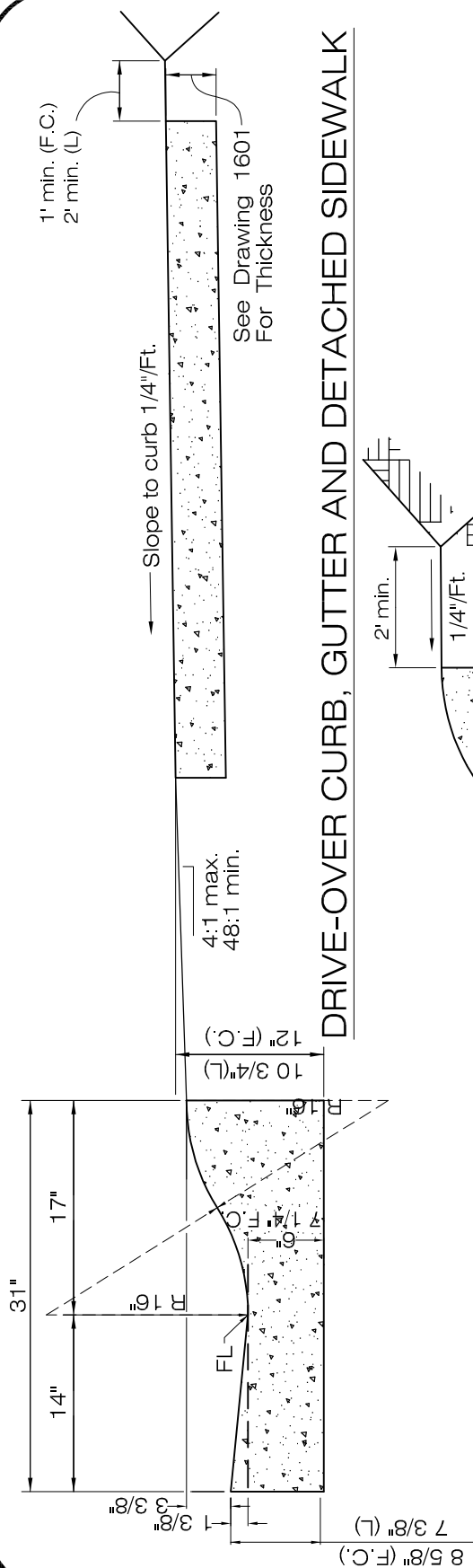
CURB AND GUTTER

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

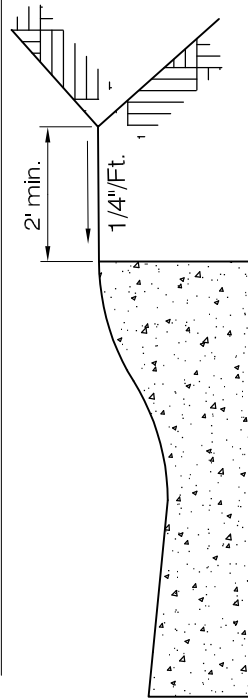
CONSTRUCTION
DRAWINGS

REVISION NO: 1
DATE: 03/01/02

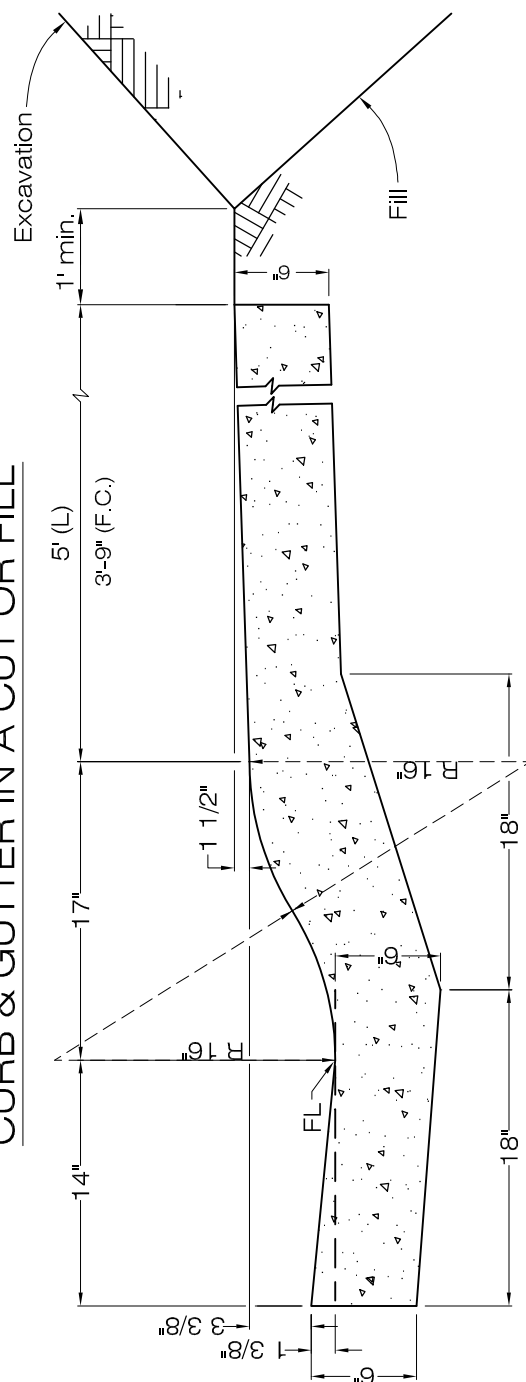
DRAWING
701



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

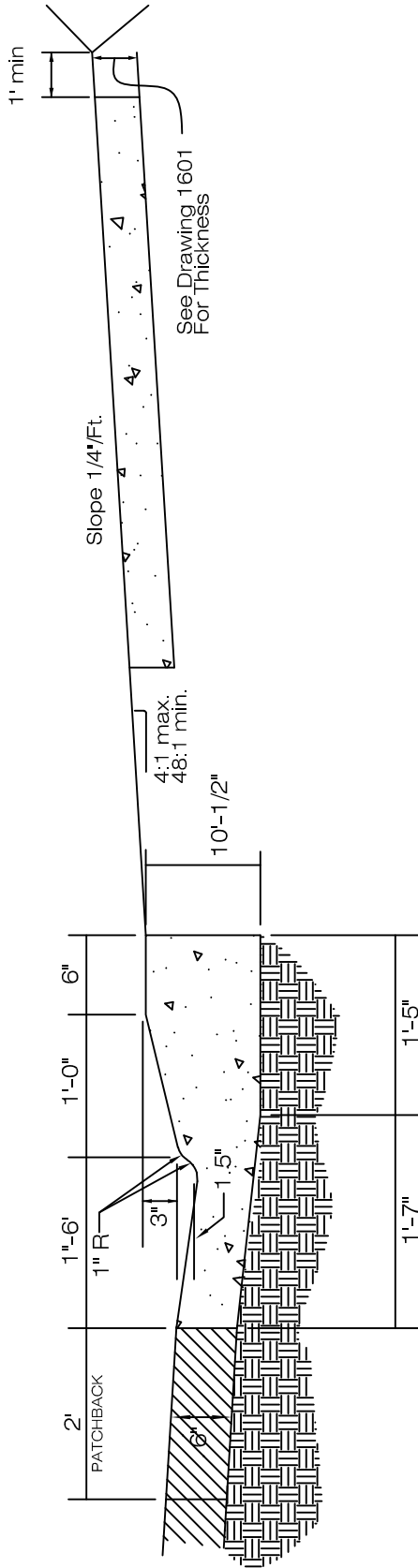
CONSTRUCTION DRAWINGS

REVISION NO: 1

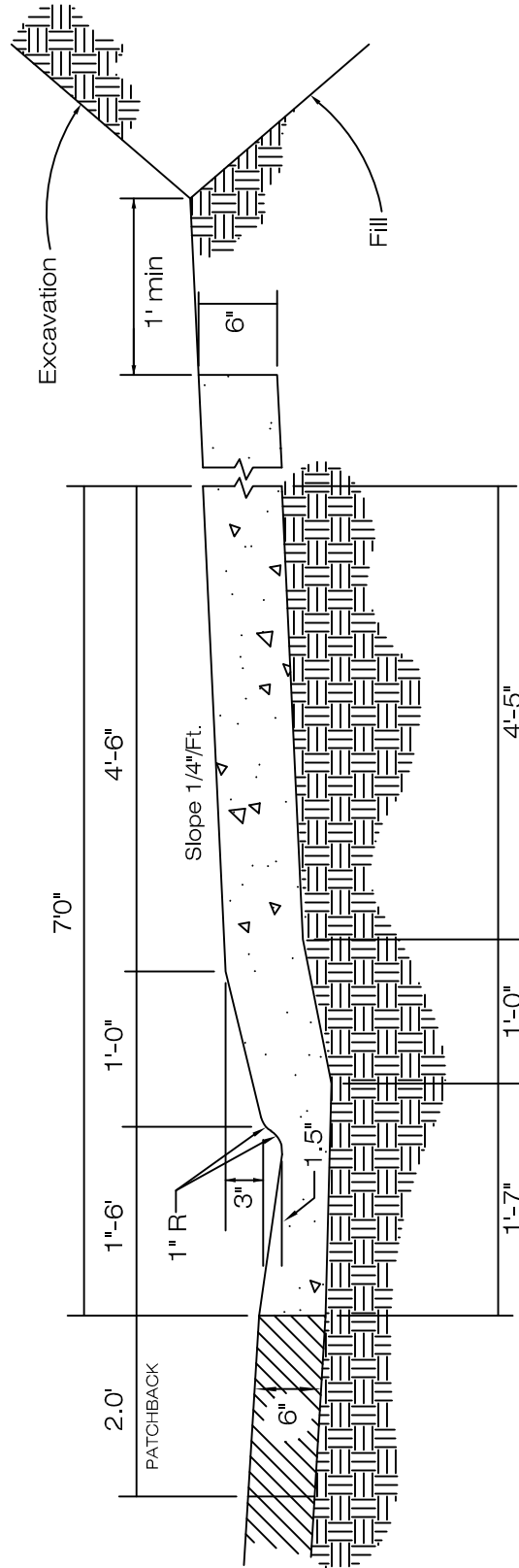
DATE: 03/01/02

DRAWING
702

LOVELAND ONLY



DRIVE-OVER CURB, GUTTER & DETACHED SIDEWALK



DRIVE-OVER CURB, GUTTER & ATTACHED SIDEWALK

NOTES:

1. GUTTER SLOPE- 1/2" IN 1'-6"

2. WALK SLOPE- 1/4" IN 1'-0"

3. RESIDENTIAL ONLY

4. TOTAL FLOWLINE DEPTH = 4.5" (3" + 1.5")

5. COMBINATION CURB, GUTTER & ATTACHED SIDEWALK REQUIRES CITY ENGINEER APPROVAL

DRIVE-OVER CURB, GUTTER & SIDEWALK

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

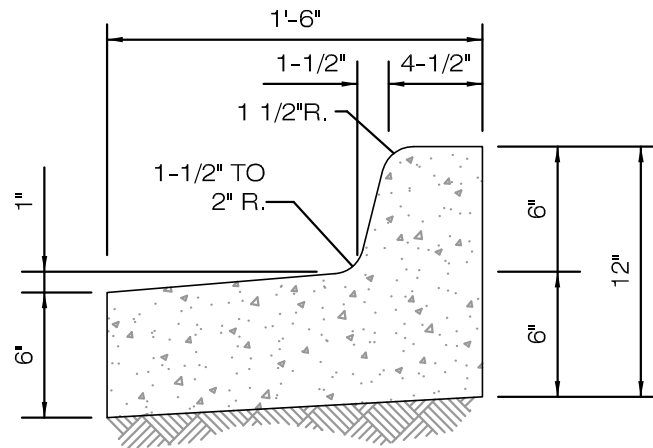
CONSTRUCTION
DRAWINGS

REVISION NO:

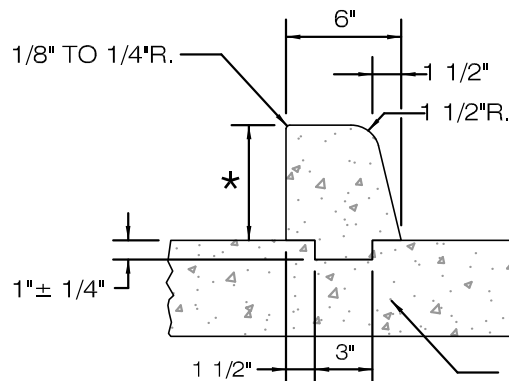
DATE: 08/01/21

DRAWING

702L



OUT FALL CURB & GUTTER
(FORT COLLINS ONLY)

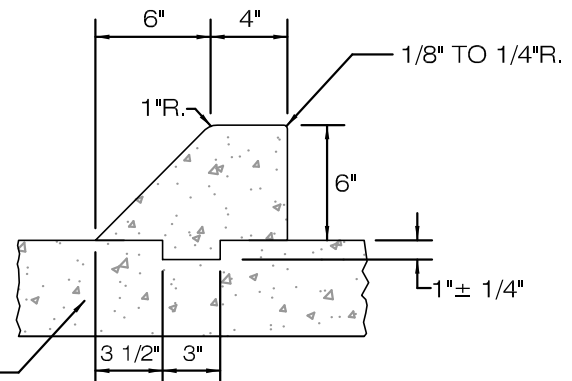


* 6" w/concrete pavement
8" w/asphalt

ASPHALT OR
CONCRETE PAVEMENT

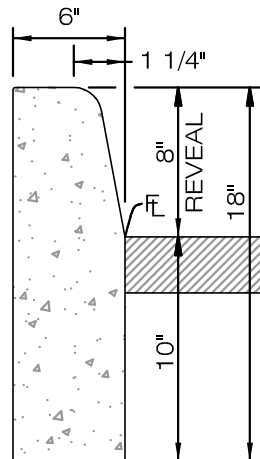
BARRIER CURB (KEY WAY OR EPOXY)

(SECTION B)



MOUNTABLE CURB (KEY WAY OR EPOXY)

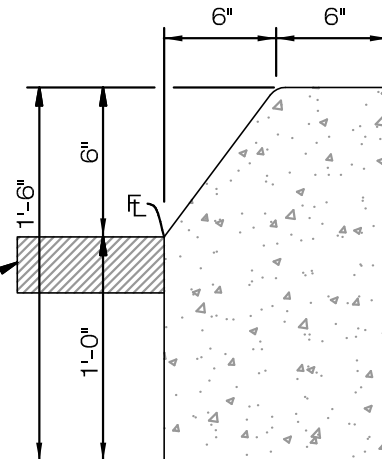
(SECTION M)



8" BARRIER CURB

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

ROADWAY
PAVEMENT



6" MOUNTABLE CURB

Notes:

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

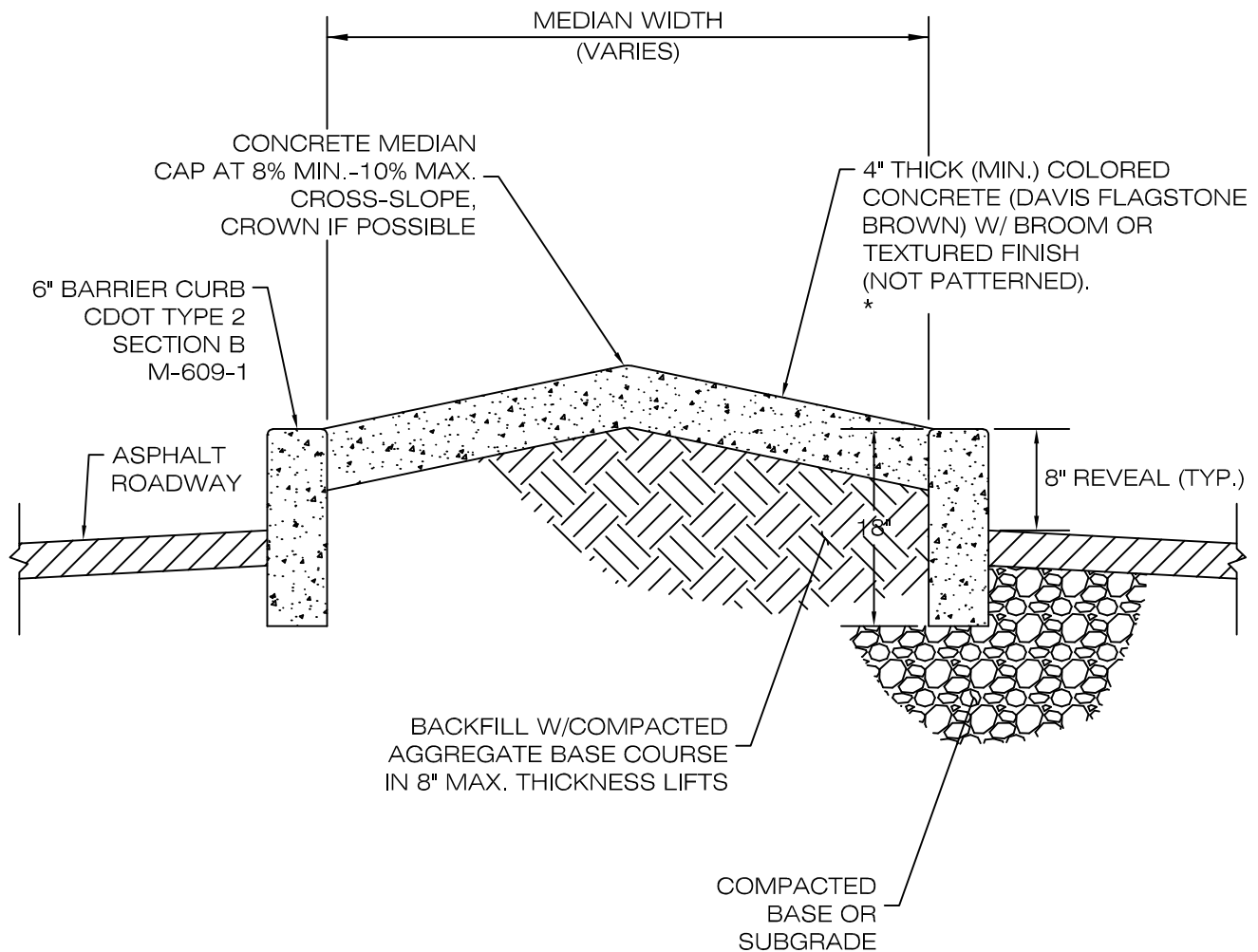
MEDIAN (ISLAND CURBS)

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 than 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.
3. Glue down curb may be used only if approved by the local entity engineer.

* Design engineer to specify control joint pattern to prevent cracks.

STANDARD DETAILS FOR RAISED MEDIAN

**LARIMER COUNTY
URBAN AREA
STREET STANDARDS**

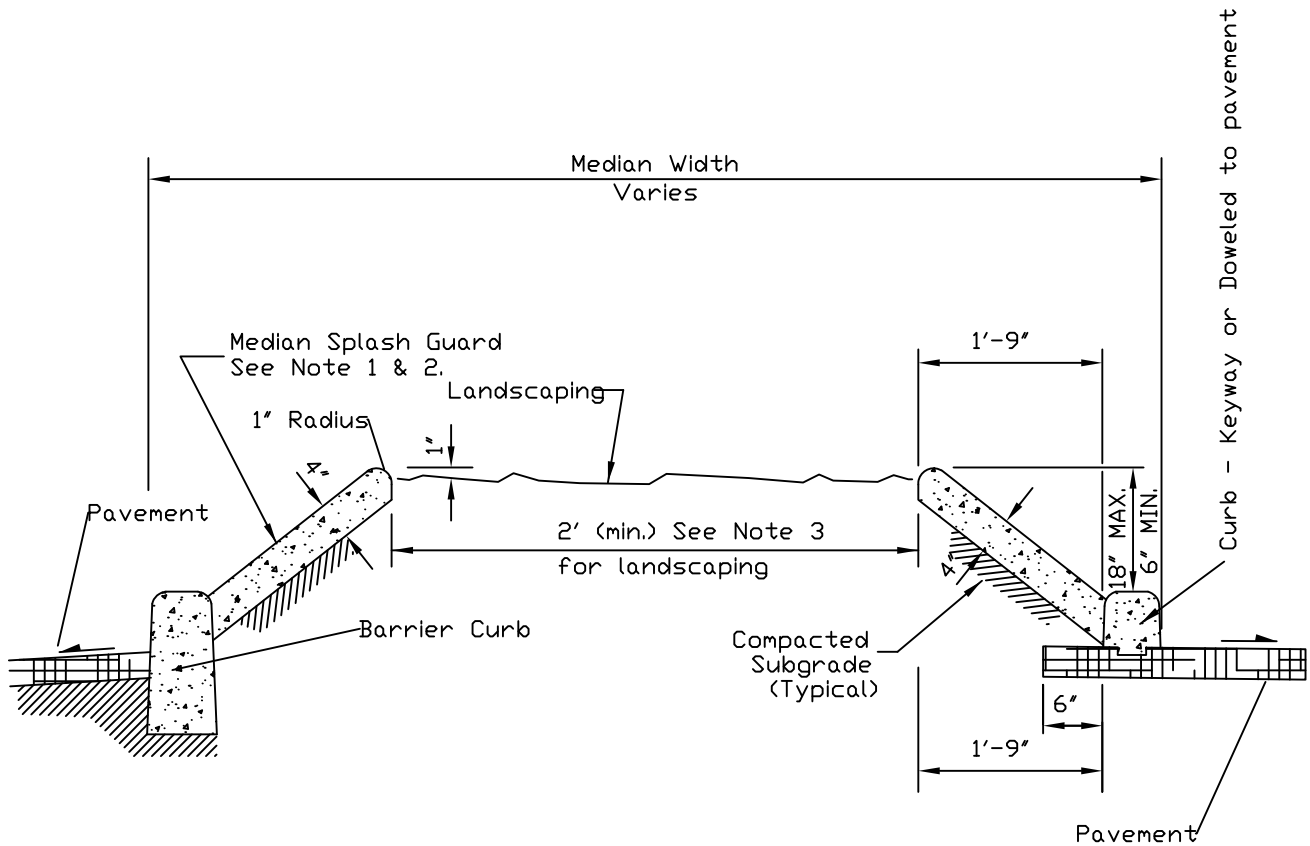
**CONSTRUCTION
DRAWINGS**

REVISION NO:

DATE: 08/01/21

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.
6. Concrete color shall be Davis Flagstone Brown in Loveland.
7. Glue down curb may be used only if approved by the local entity engineer.

STANDARD DETAILS FOR RAISED MEDIAN

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

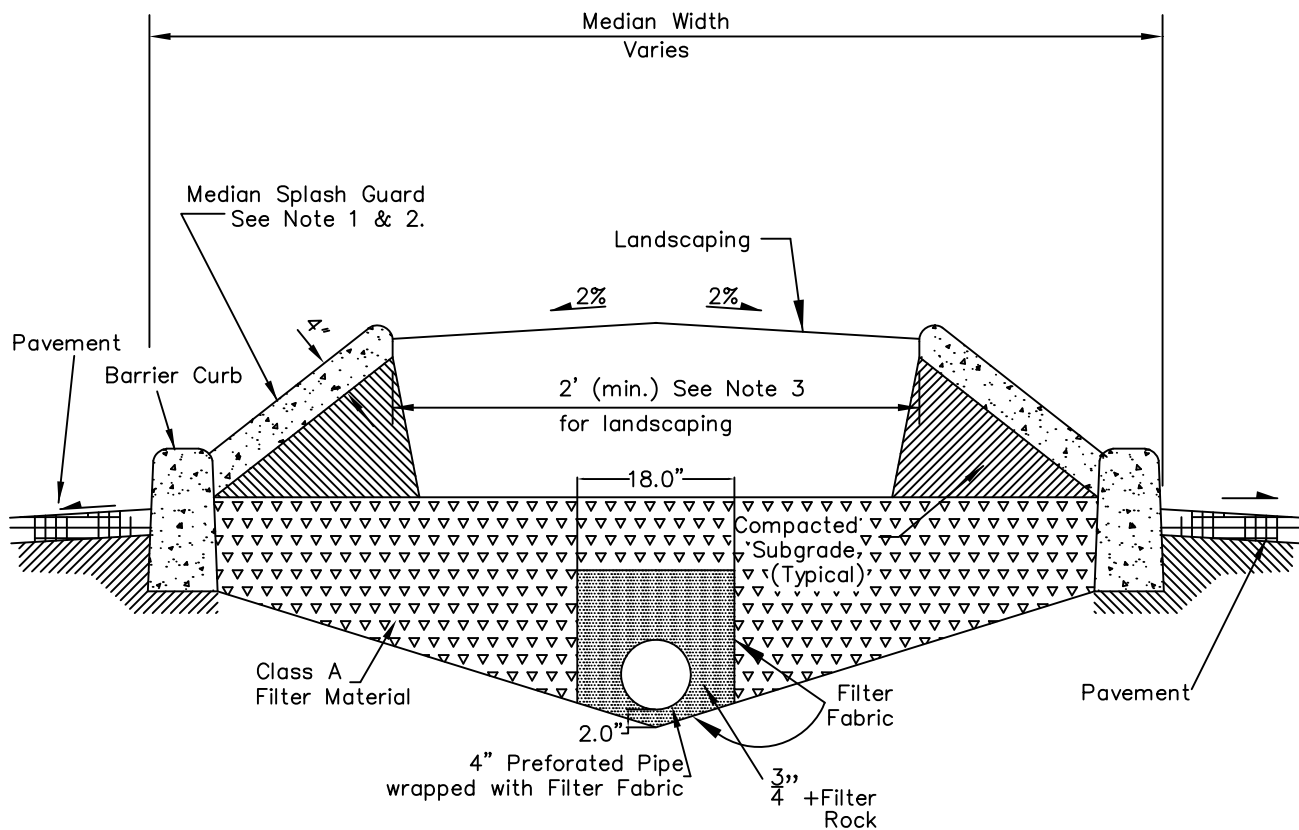
CONSTRUCTION
DRAWINGS

REVISION NO:

DATE: 08/01/21

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.
6. Concrete color shall be Davis Flagstone Brown in Loveland.
7. Glue down curb may be used only if approved by the local entity engineer.

LANDSCAPING AND DRAIN DETAILS FOR RAISED MEDIAN

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

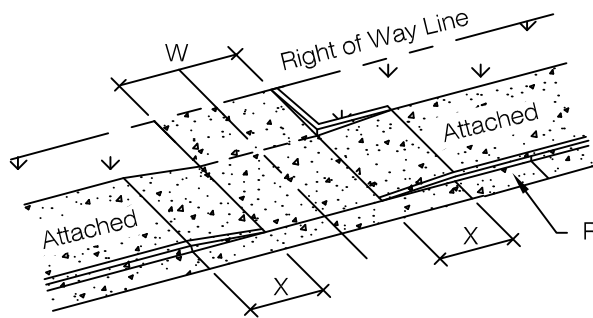
CONSTRUCTION
DRAWINGS

REVISION NO:

DATE: 08/01/21

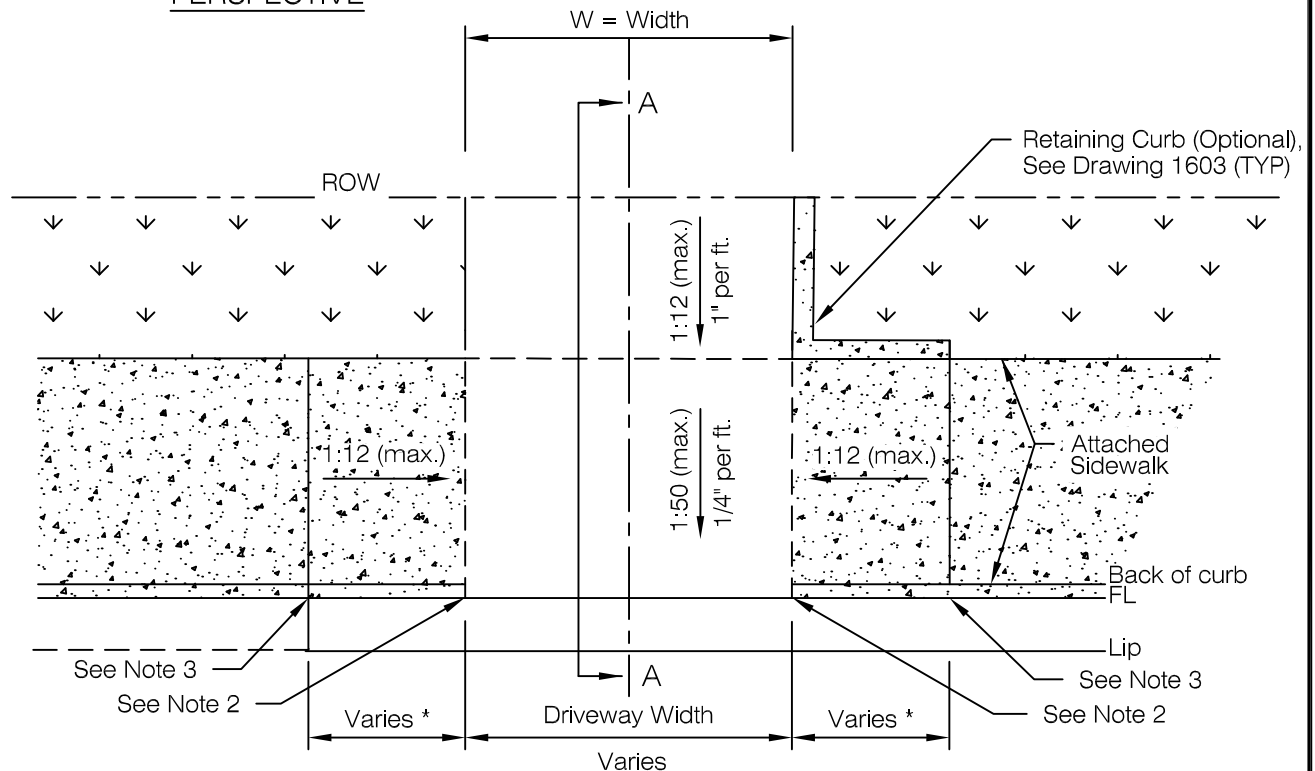
DRAWING

705a



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.

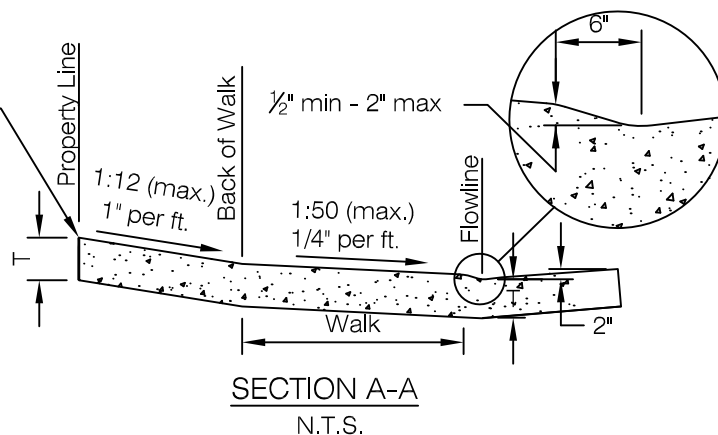


* Ramp length not to exceed 15'-0", slope must be uniform.

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.



NOT TO SCALE

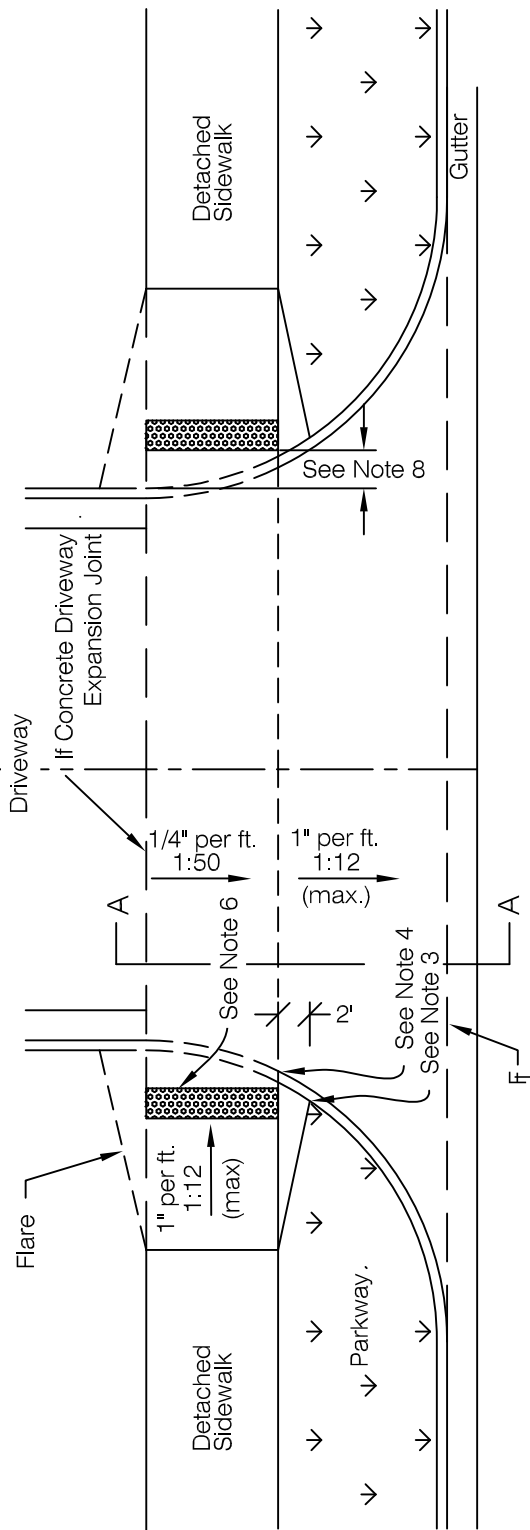
STANDARD DRIVEWAY APPROACH ATTACHED WALK (TYPE II)

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

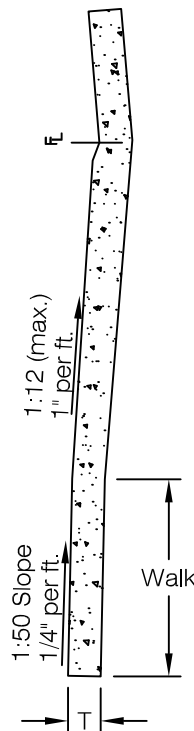
REVISION NO: 1
DATE: 02/17/15

DRAWING
706.2



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

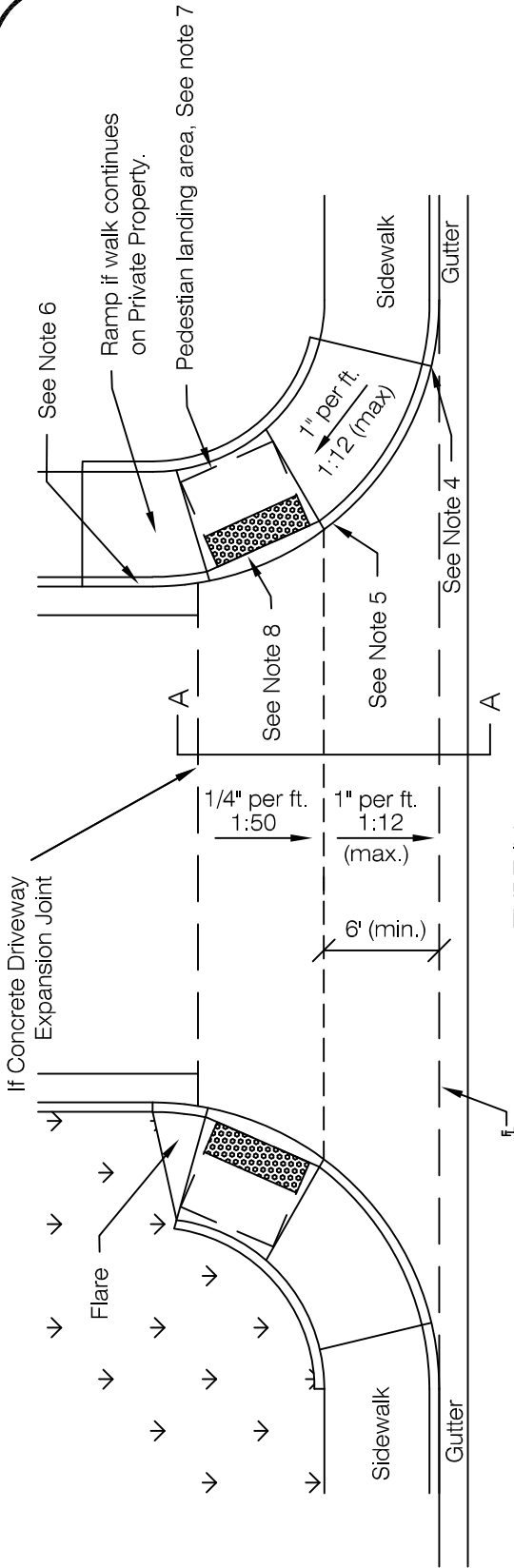
STANDARD DRIVEWAY APPROACH (HIGH VOLUME DRIVE TYPES IV)

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

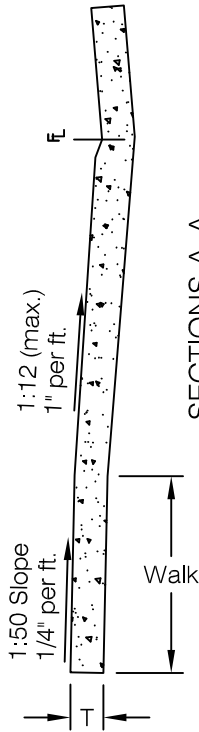
CONSTRUCTION
DRAWINGS

REVISION NO: 1
DATE: 08/01/21

DRAWING
707.2



TYPE IV
ATTACHED WALK



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.

- NOTES:
- For construction of access ramps, see Standards detail 1603.
 - 6' wide pan for residential streets.
 - All intersections to have access ramps.
 - Standard Curb and Gutter Section, See Standard Drawing 701.
 - 0" Curb Height, See Section A-A
 - All of these pedestrian improvements must be in ROW or a pedestrian or public access easement.
 - 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.
 - 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.
 - T = Concrete thickness, 6" for Residential and 8" for Commercial

NOT TO SCALE

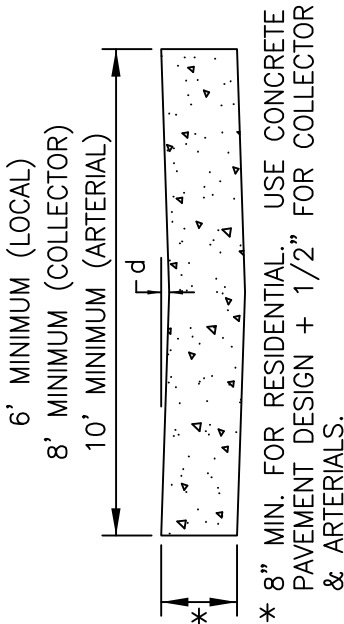
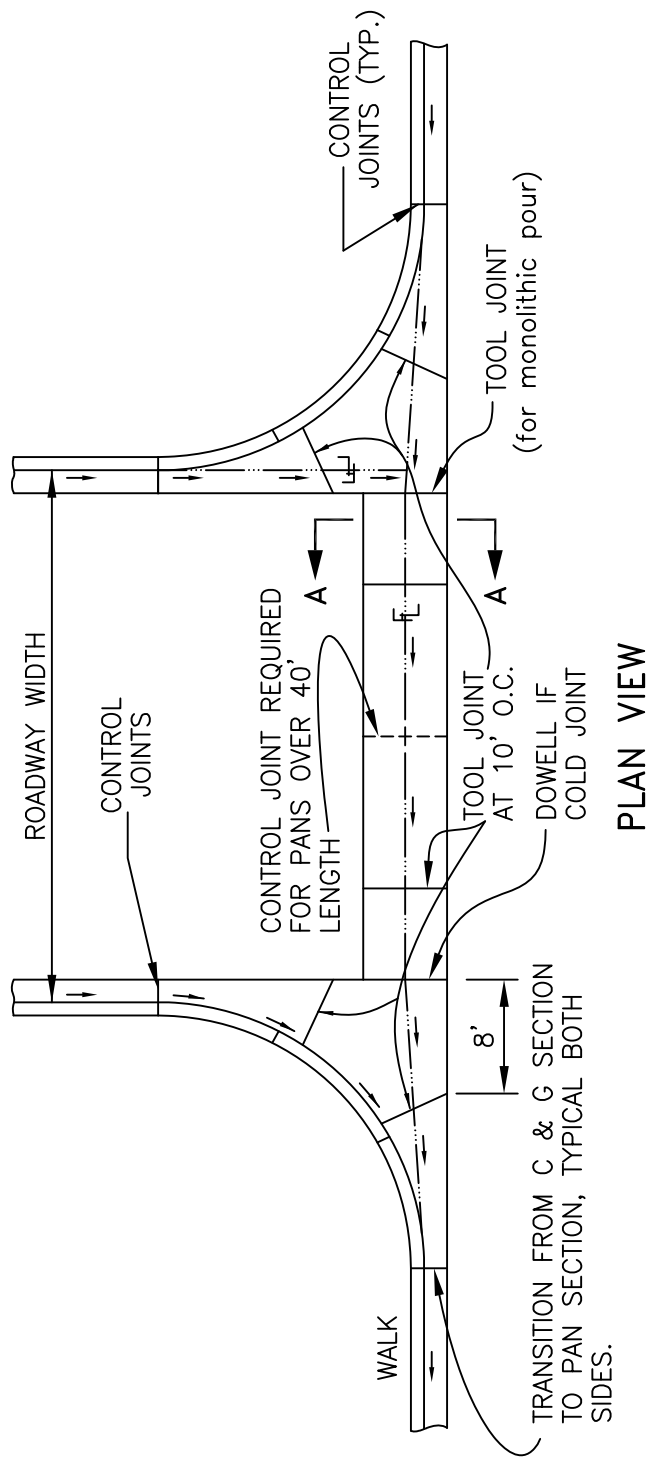
STREET INTERSECTION CROSSPAN

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

REVISION NO: 2
DATE: 08/01/21

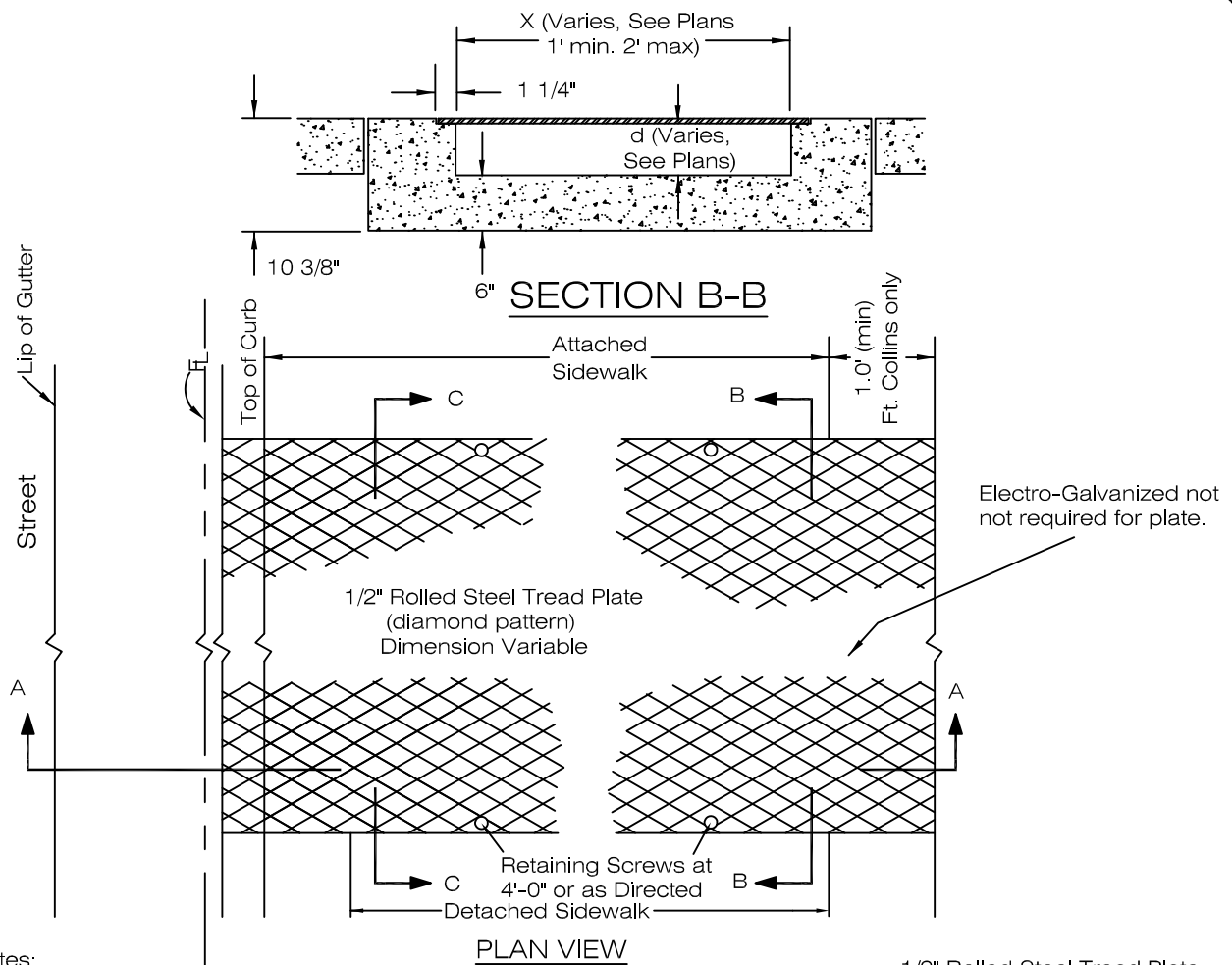
DRAWING
708



NOTE: ALL INTERSECTIONS TO HAVE ACCESS RAMPS

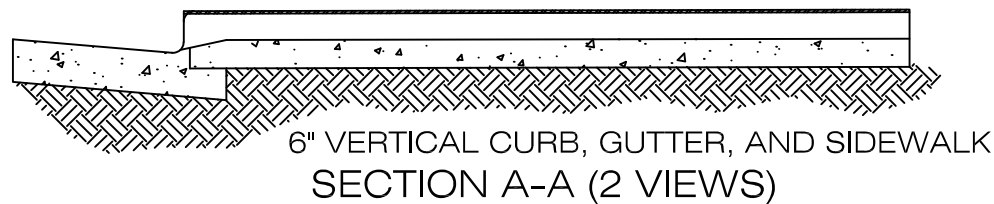
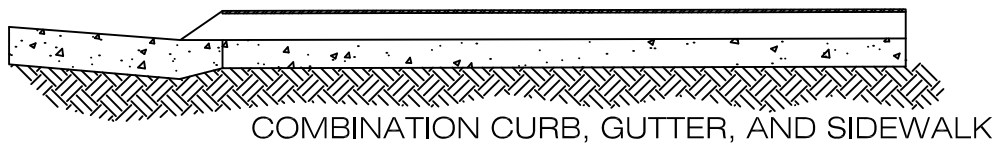
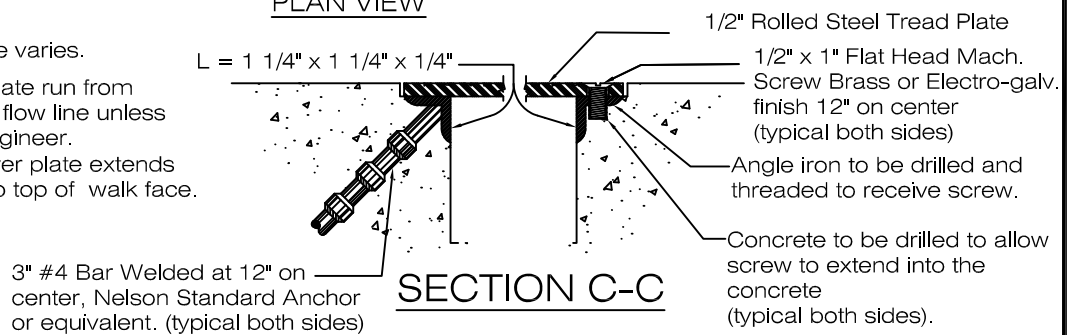
PARALLEL STREET CLASSIFICATION	W CROSS PAN WIDTH	LOVELAND DEPTH OF INVERT		FT. COLLINS DEPTH OF INVERT
		d (MIN.)	d (MAX.)	
Arterial	10'	1 1/4"	2 1/2"	1 1/2"
Collector	8'	1"	2"	1 1/8"
Local	6' **	3/4"	1 1/2"	7/8"

** 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.



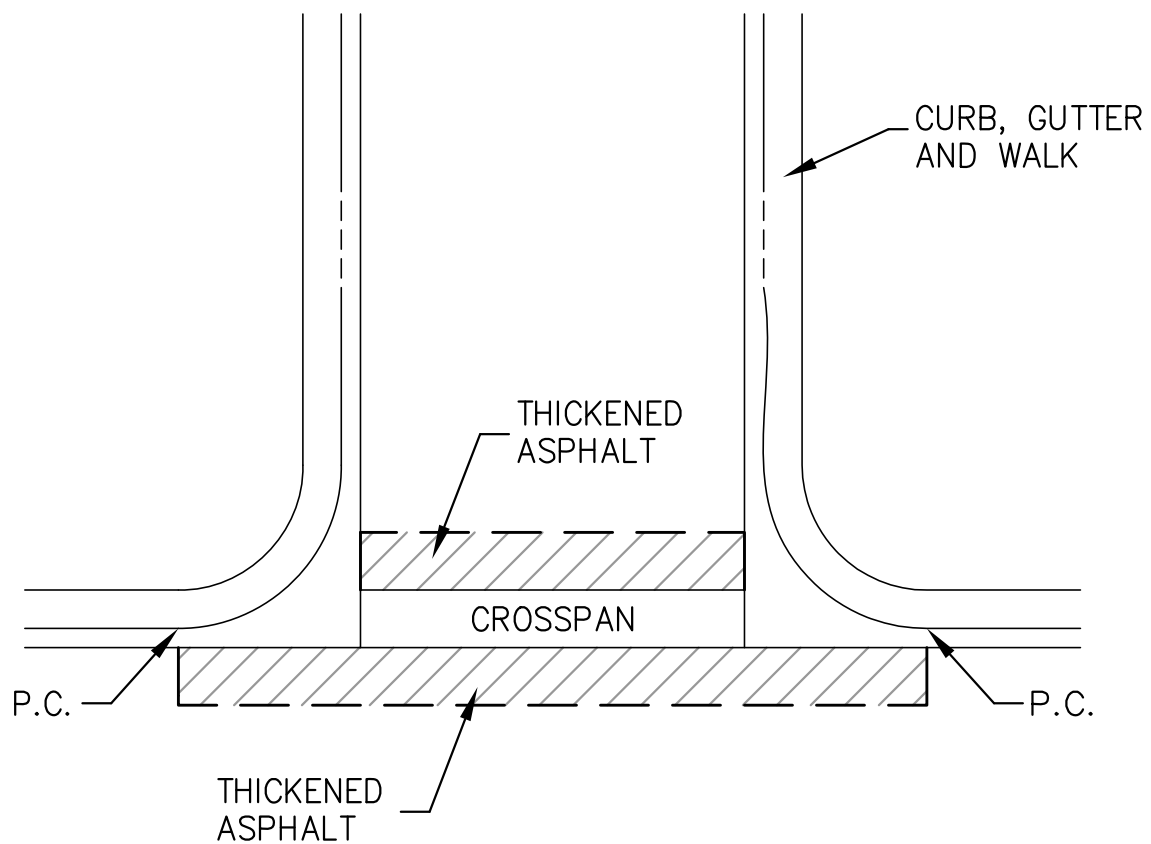
STANDARD DETAILS FOR DRAINAGE UNDER SIDEWALK

**LARIMER COUNTY
URBAN AREA
STREET STANDARDS**

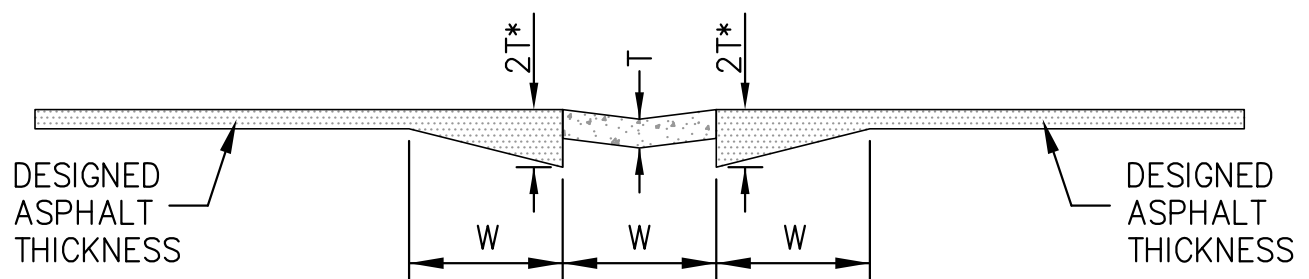
**CONSTRUCTION
DRAWINGS**

**REVISION NO: 1
DATE: 08/01/21**

**DRAWING
709**



T = THICKNESS OF CROSSSPAN
W = WIDTH OF CROSSSPAN



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

ASPHALT PAVING DETAIL (CROSSPAN)

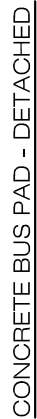
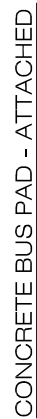
LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

REVISION NO: 1
DATE: 04/01/07

DRAWING
710

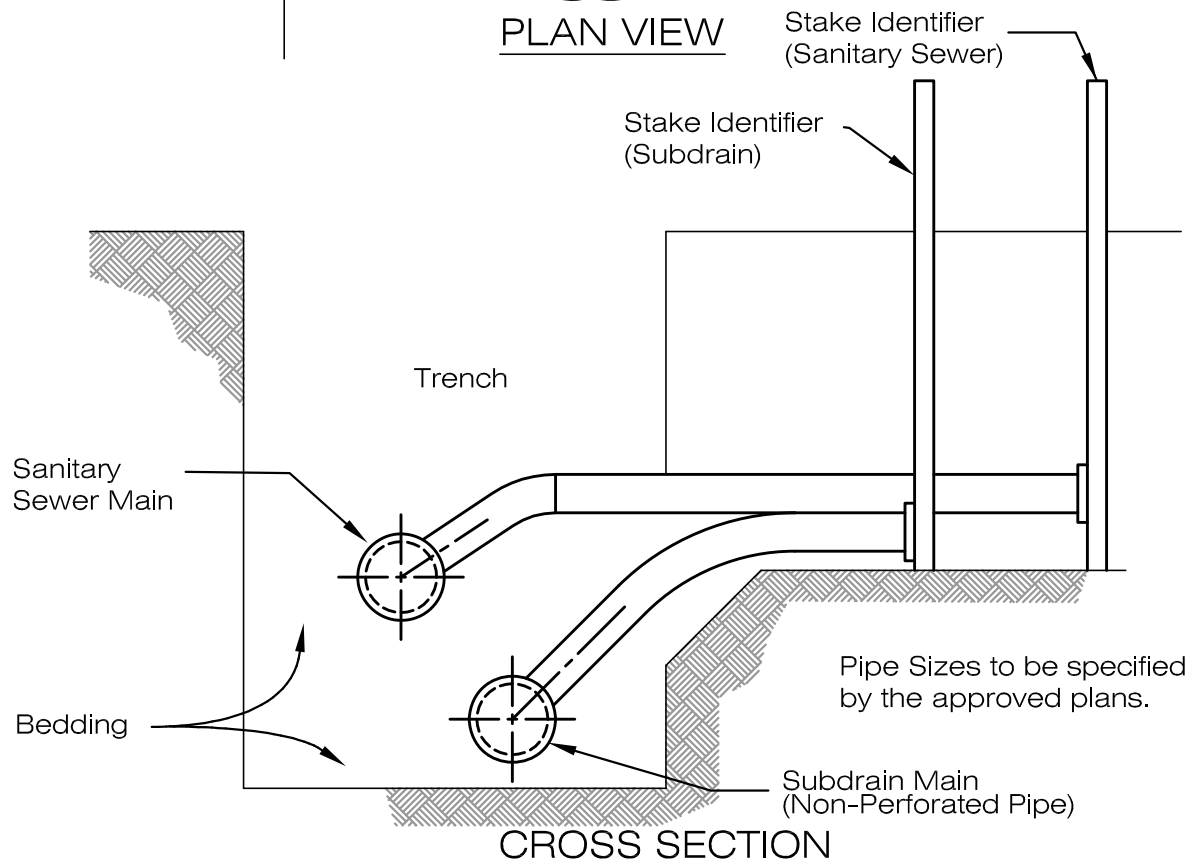
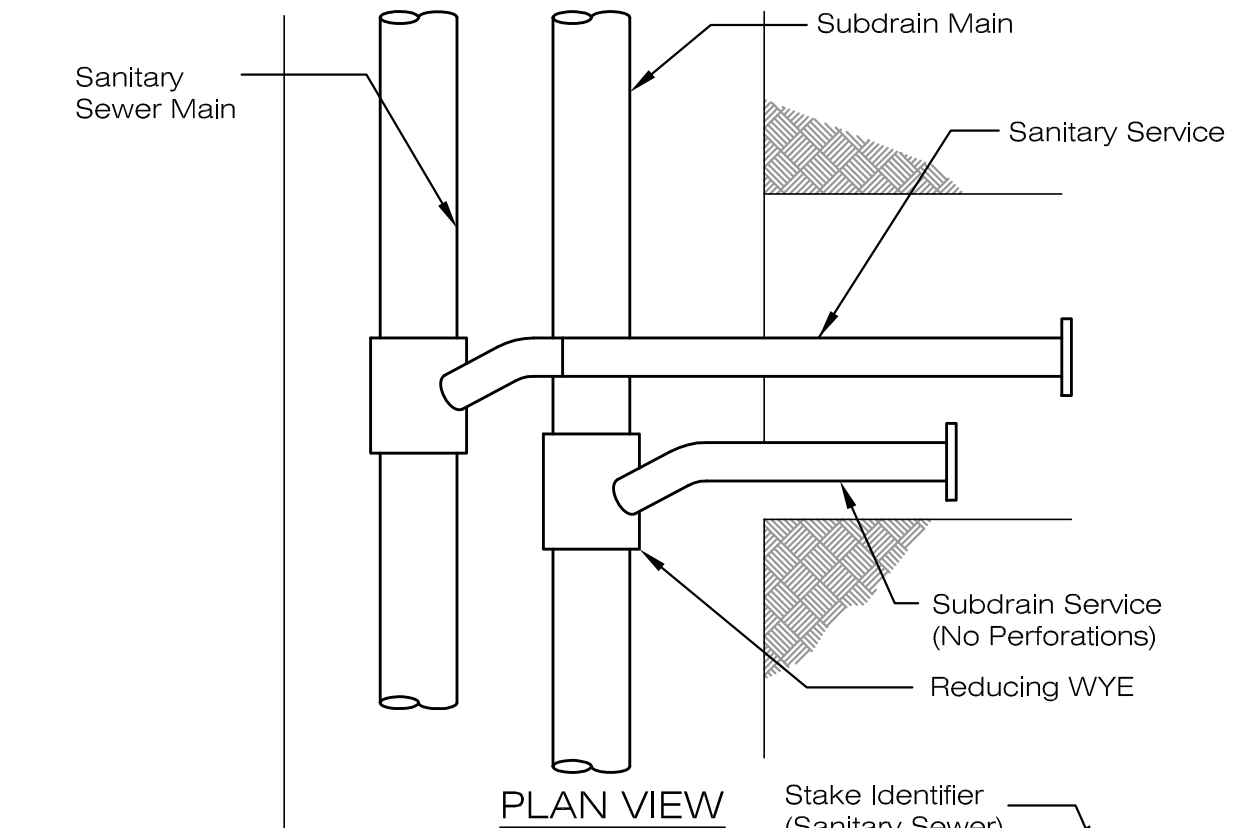
DRAWING
711



NOTE:

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

FORT COLLINS ONLY



SUBDRAIN SERVICE DETAIL

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

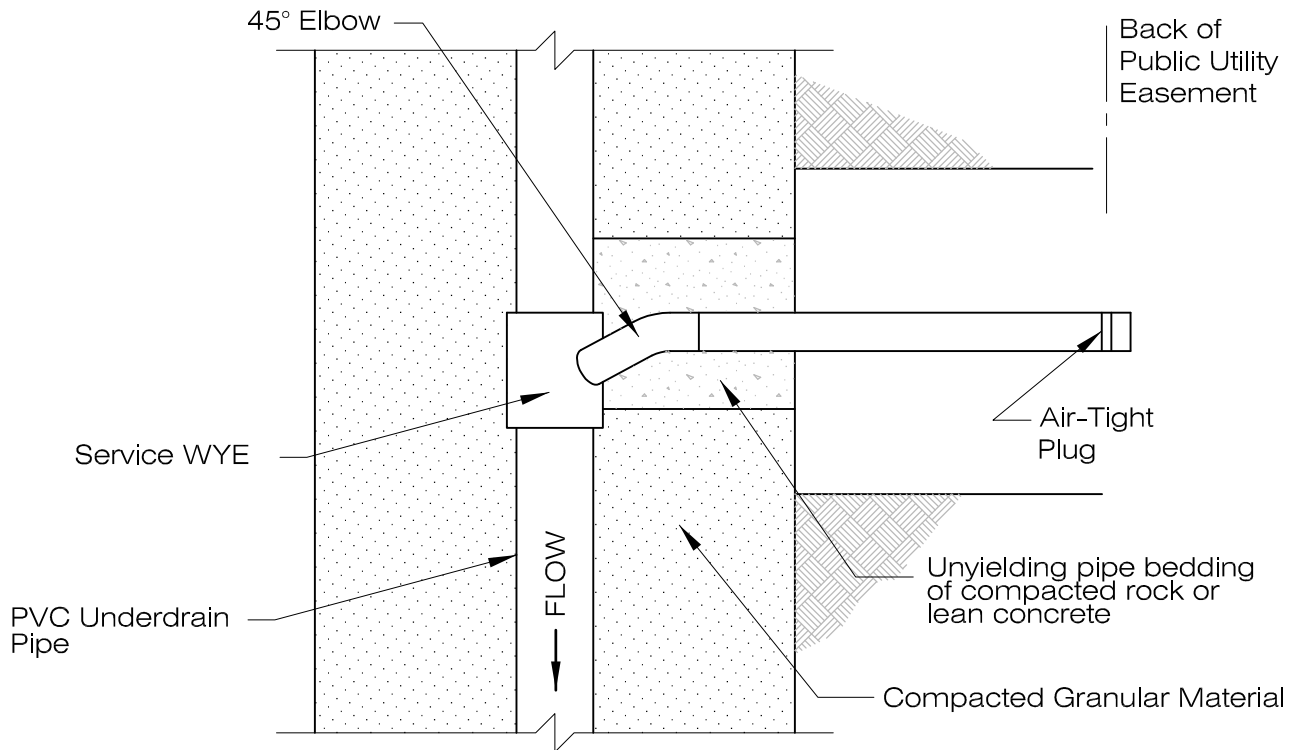
REVISION NO:

DATE: 04/01/07

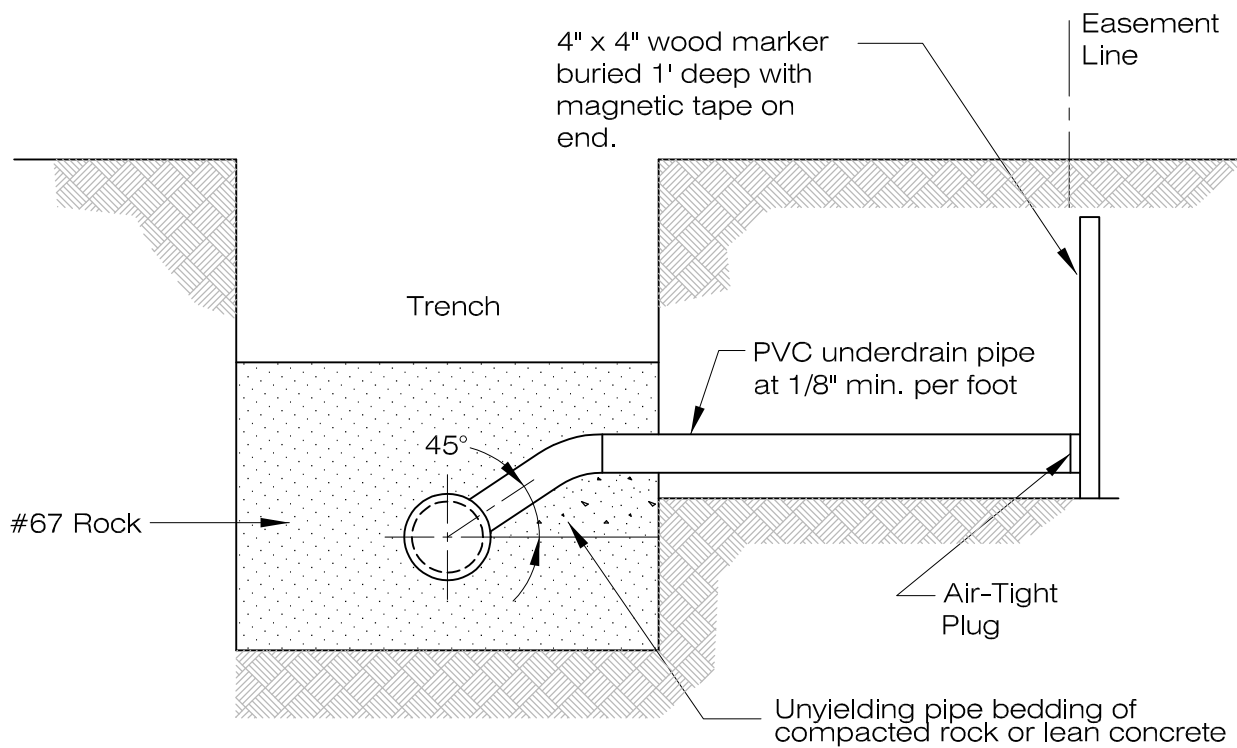
DRAWING

713.1F

LOVELAND ONLY



PLAN VIEW



CROSS SECTION

STANDARD UNDERDRAIN SERVICE CONNECTION

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

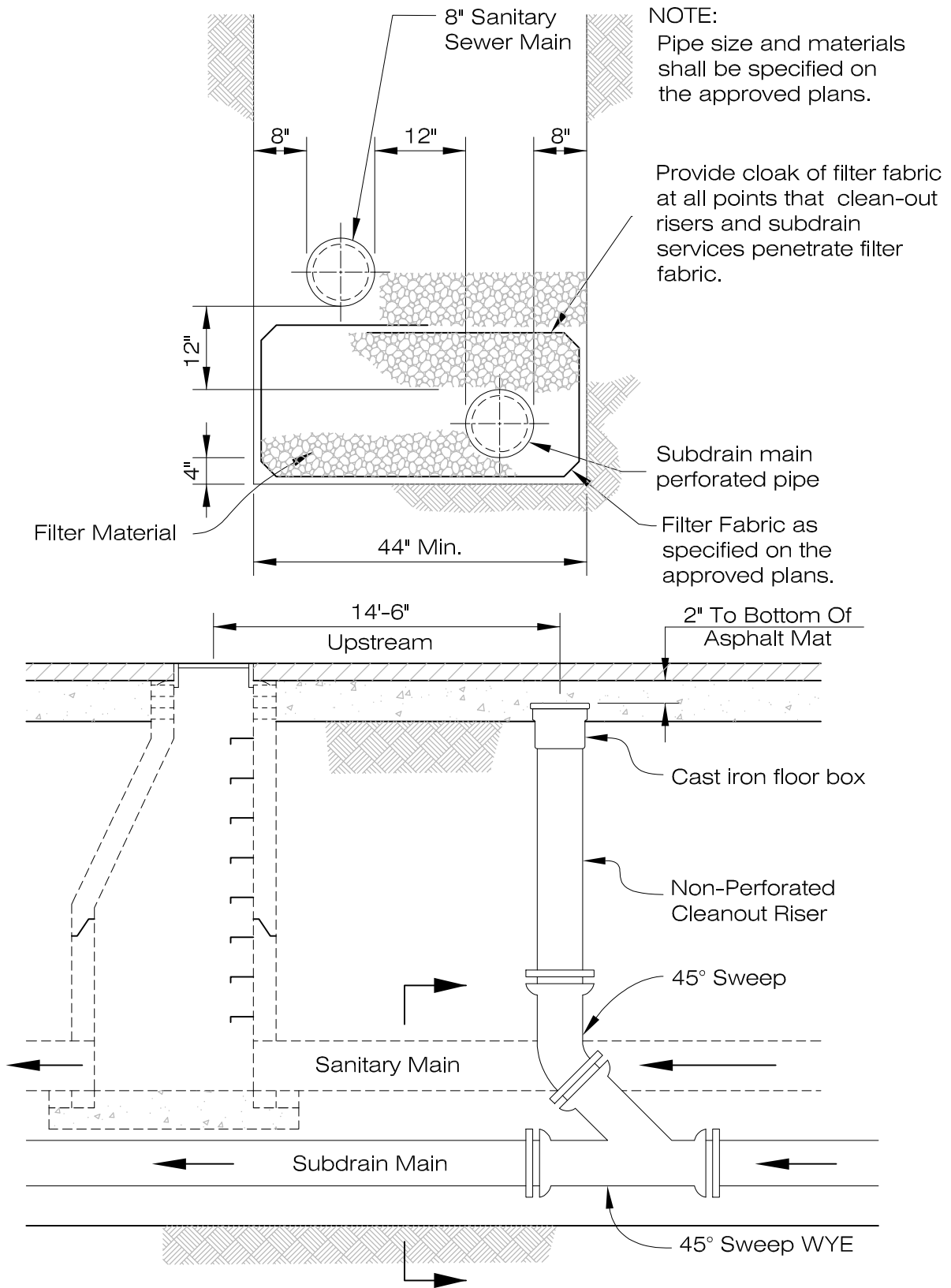
REVISION NO:

DATE: 10/25/01

DRAWING

713.1L

FORT COLLINS ONLY



SUBDRAIN MAIN - INSTALLATION DETAILS

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

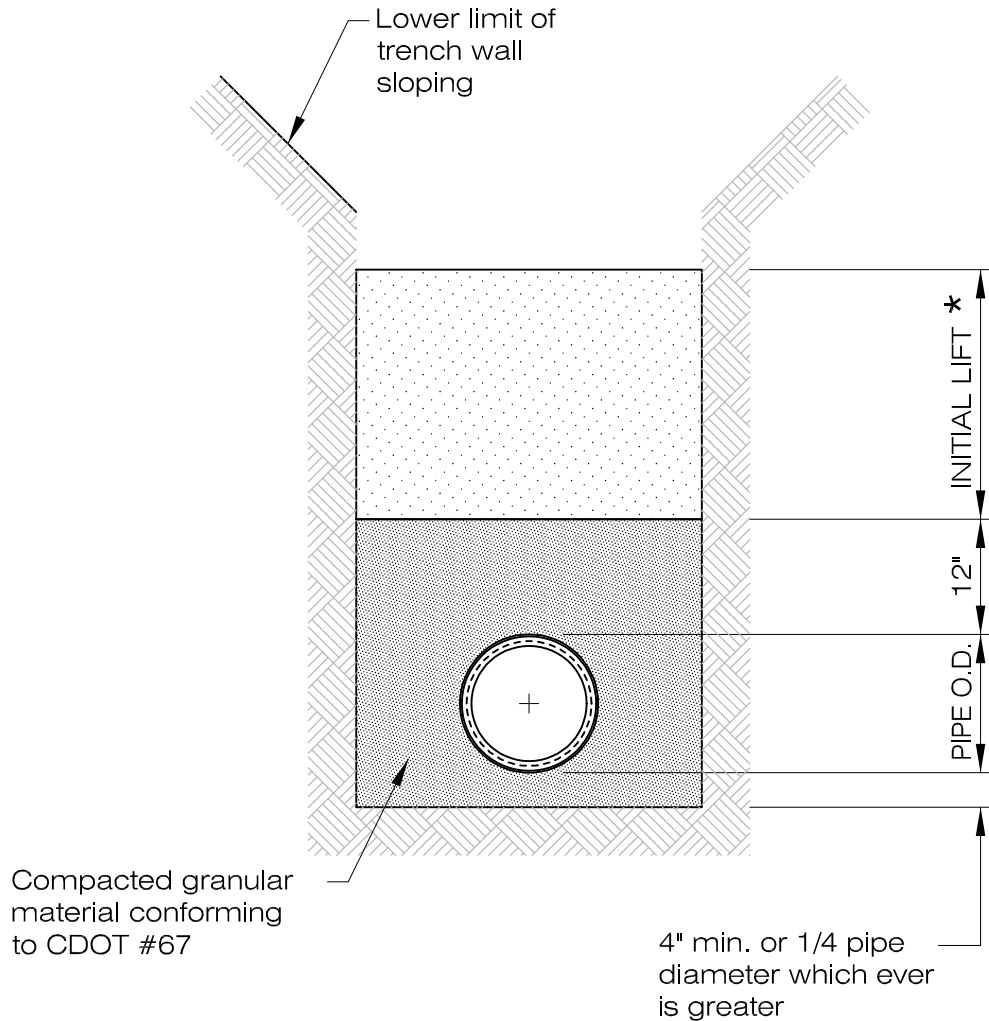
REVISION NO:

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

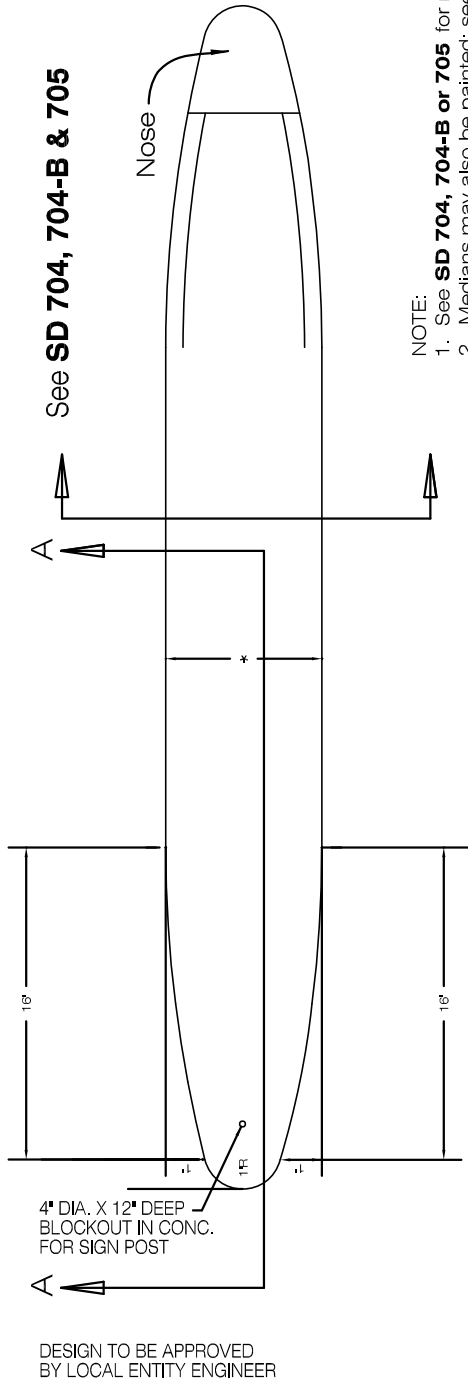
REVISION NO:

DATE: 10/25/01

DRAWING

713.2L

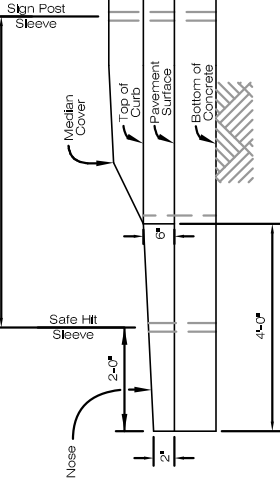
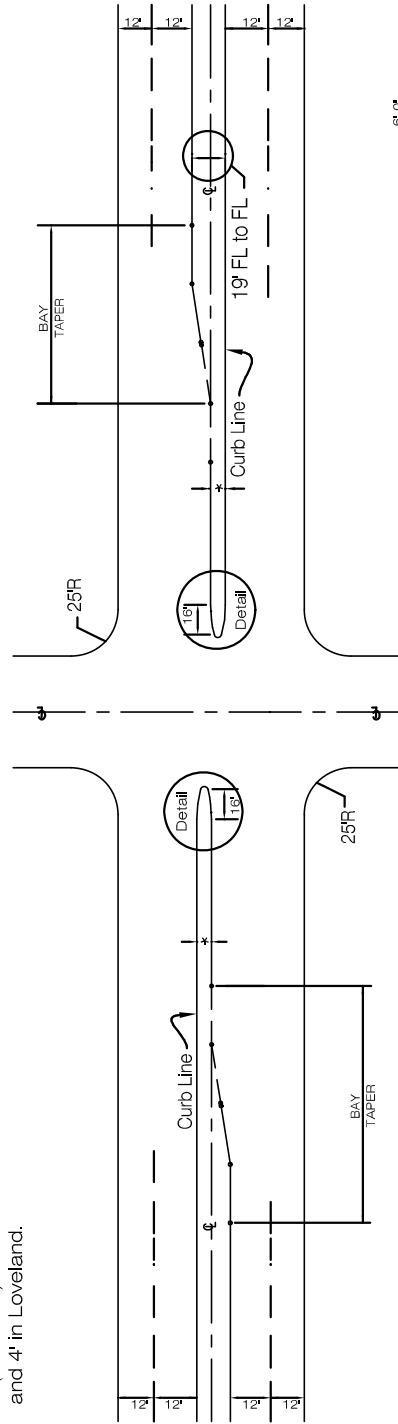
See SD 704, 704-B & 705



NOTE:

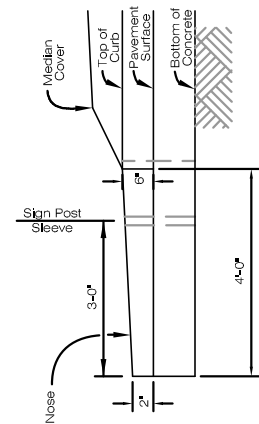
1. See SD 704, 704-B or 705 for more details.
2. Medians may also be painted; see Chapter 7.

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



SECTION A - A
LOVELAND ONLY

Cross Street (typical)
PLAN
TYPICAL INTERSECTION



SECTION A - A

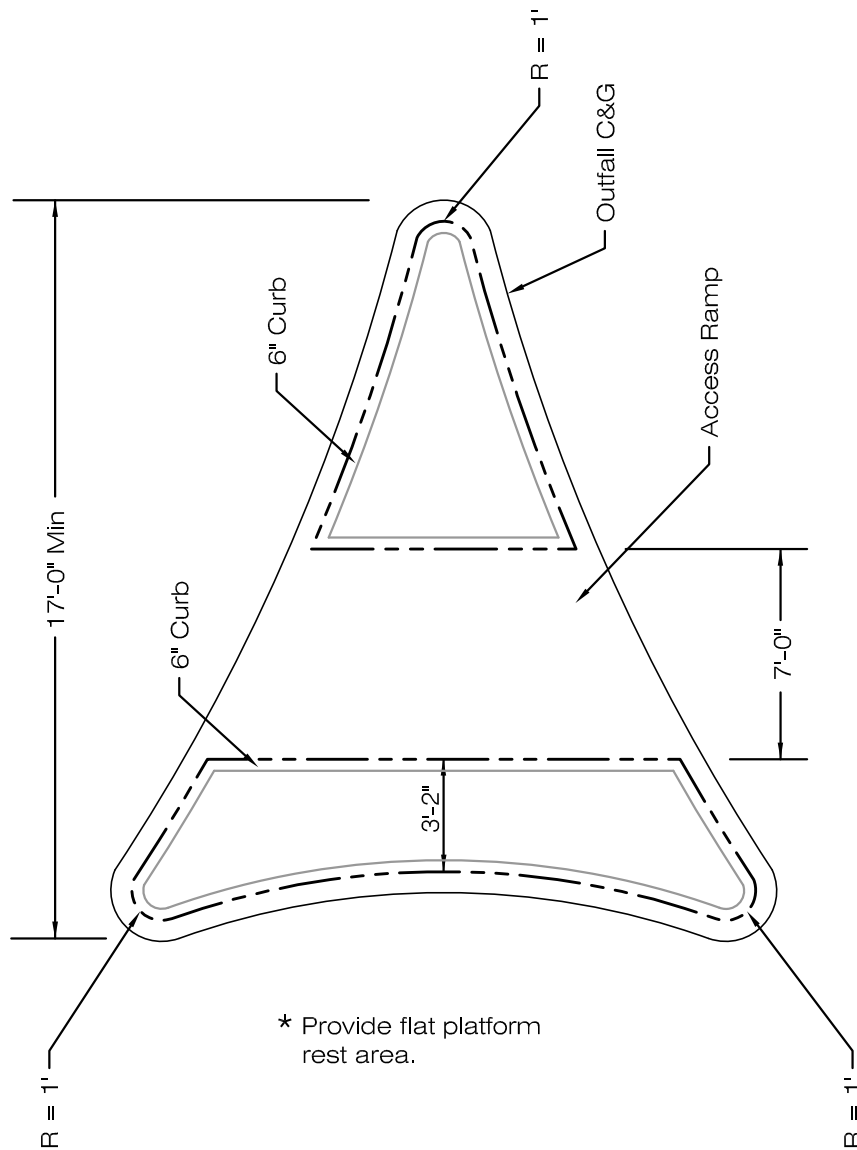
STANDARD DETAILS FOR RAISED MEDIAN GEOMETRY

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWING

REVISION NO: 1
DATE: 04/01/07

DRAWING
801



FORCED TURN BARRIER (SPLITTER ISLAND)

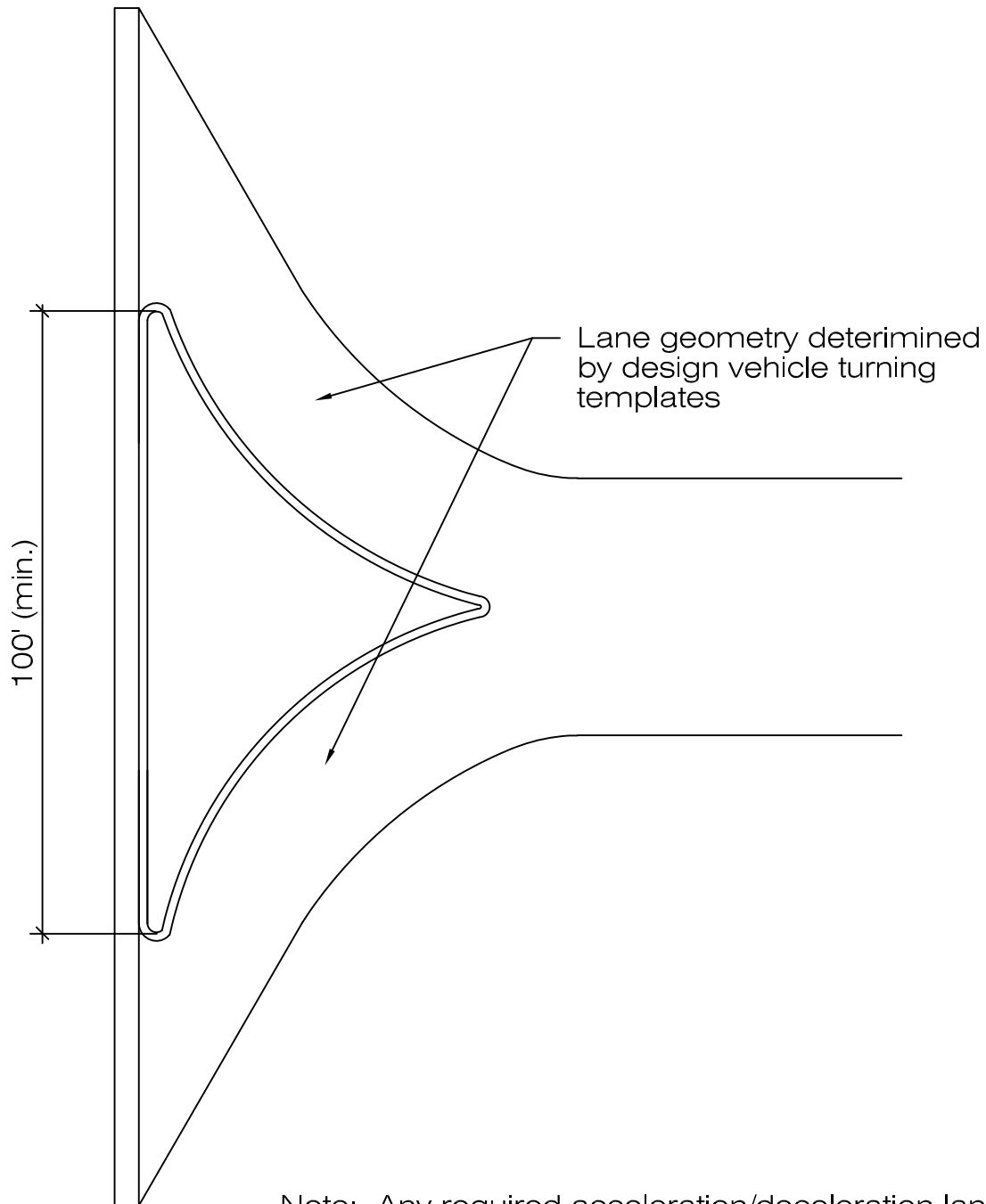
LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

REVISION NO: 2
DATE: 04/01/07

DRAWING
802

LOVELAND ONLY



Note: Any required acceleration/deceleration lanes at the access to accommodate the geometry.

Right-In Right-Out Access

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

DESIGN
FIGURE

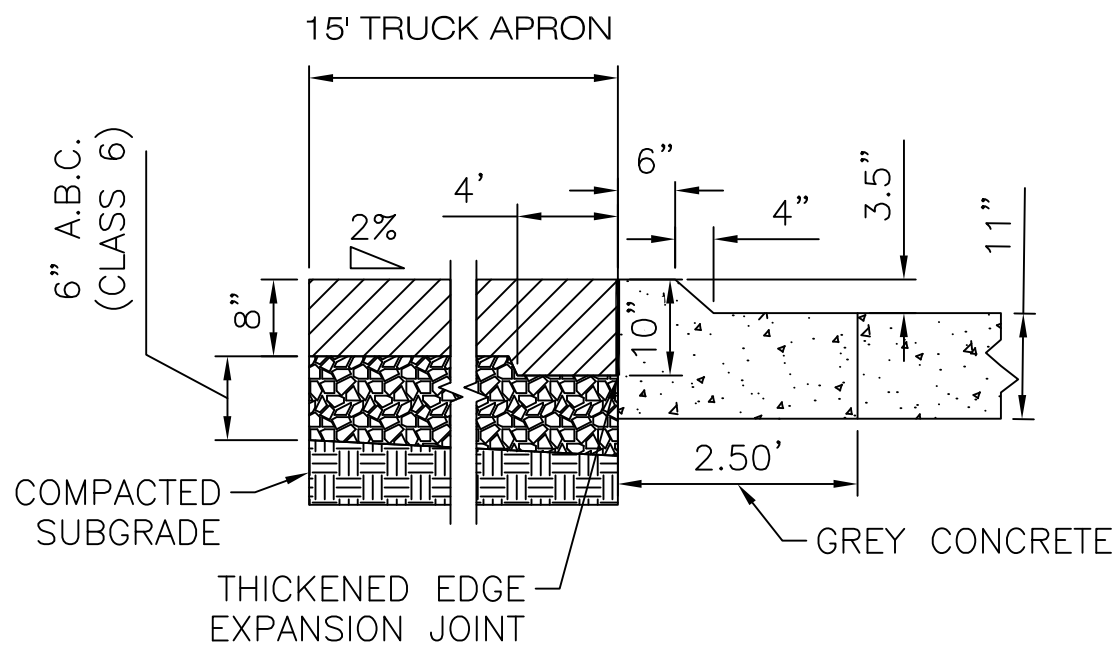
REVISION NO:

DATE: 08/01/21

DRAWING

802.1L

LOVELAND ONLY



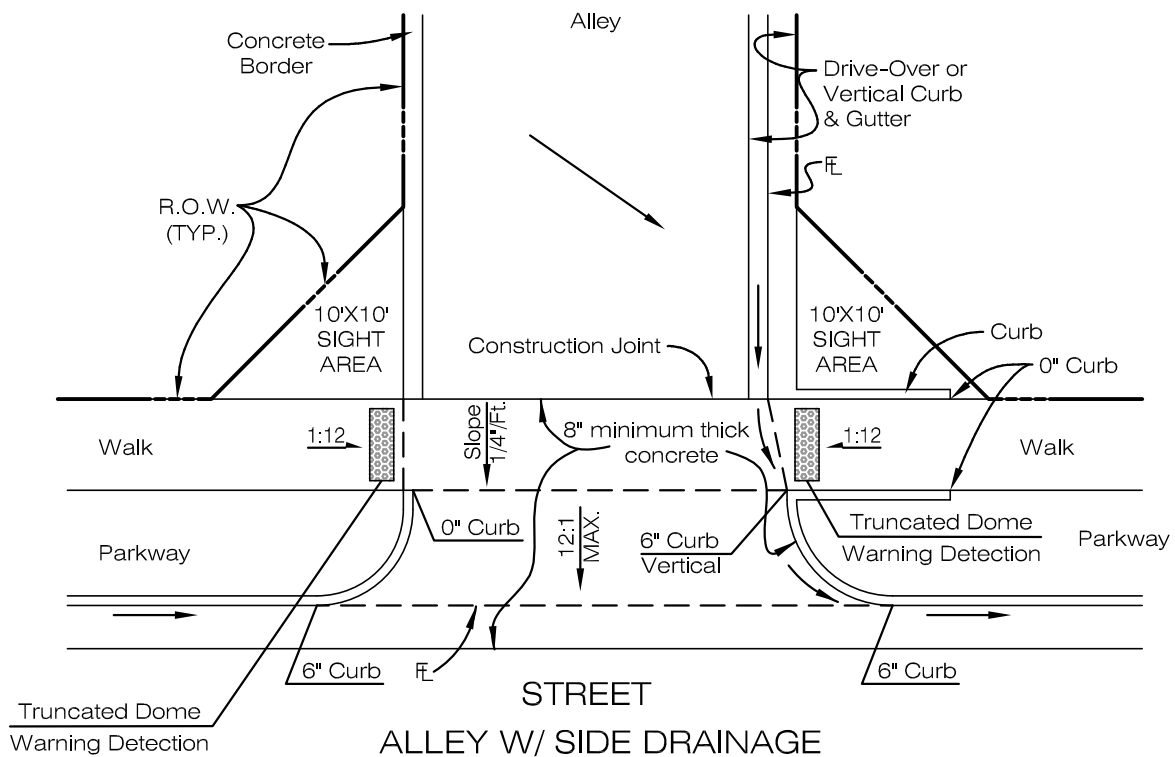
Roundabout Truck Apron Curb

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

DESIGN
FIGURE

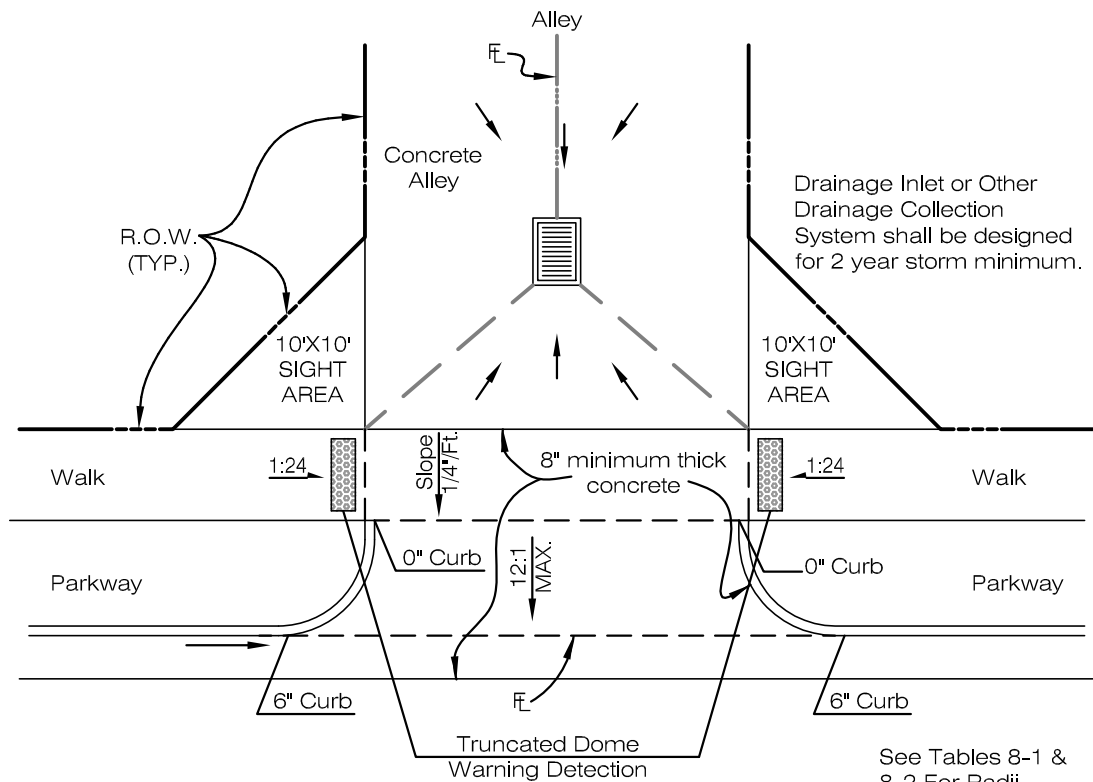
REVISION NO:
DATE: 08/01/21

DRAWING
802.2L



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.

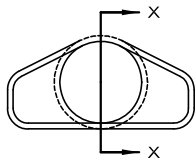
ALLEY INTERSECTIONS

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

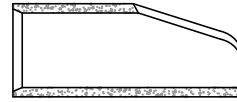
CONSTRUCTION
DRAWINGS

REVISION NO: 2
DATE: 04/01/07

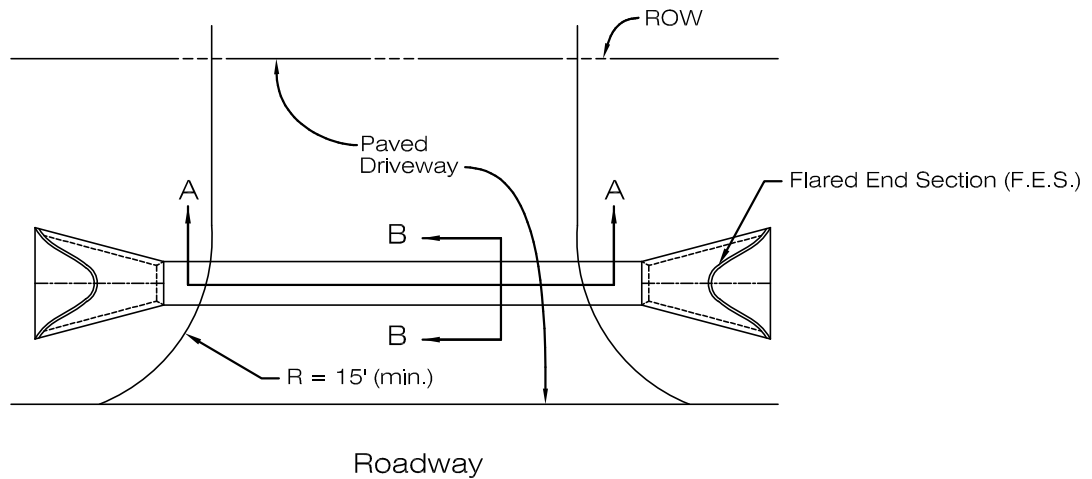
DRAWING
803



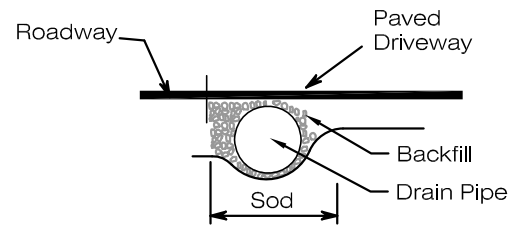
F.E.S. END VIEW



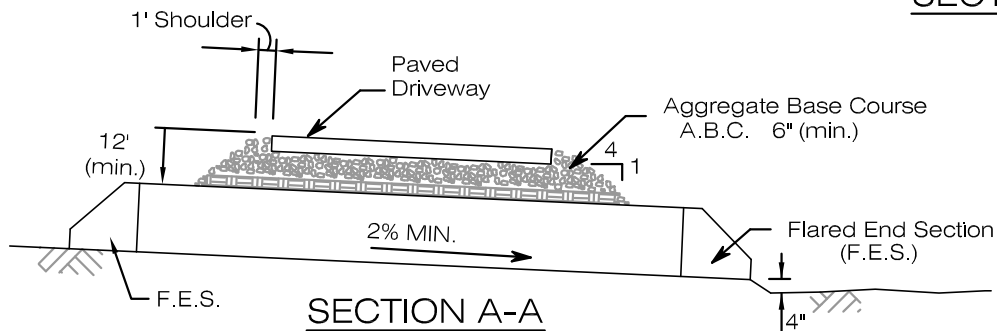
SECTION X-X



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

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DRAWING
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