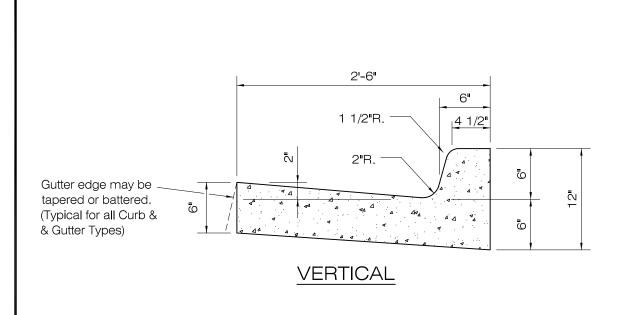
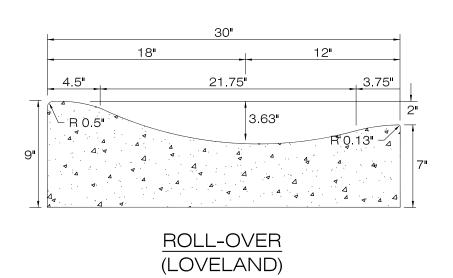
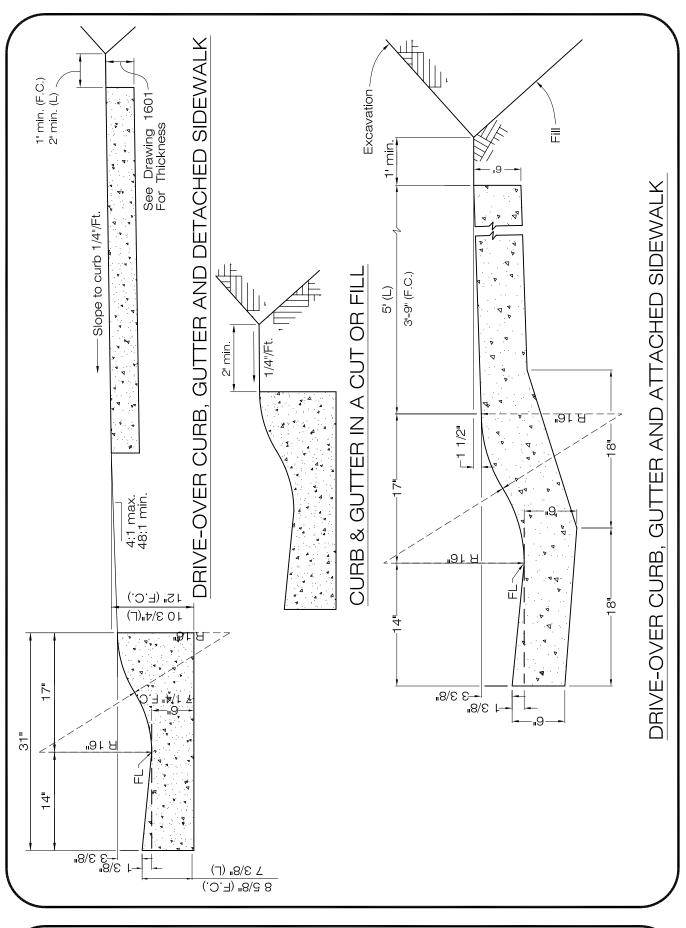
### **APPENDIX A - STANDARD DRAWINGS**

| 701           | Curb and Gutter   | 1407   | Handicap Parking Requirements (as per                         |
|---------------|---|--------|---|
| 702           | Curb and Gutter/Sidewalk  |        | "ADA")  |
| 702L          | Curb and Gutter/Sidewalk (Loveland)   | 1408L  | Bicycle and Parking Pavement Markings                         |
| 703           | Median (Island Curbs)   | 1.4007 | - Loveland (GMA and City Limits)                              |
| 704B          | Standard Details for Raised Median  | 1409L  | Bicycle/Parking Sign – Loveland (GMA                          |
| 705<br>705 A  | Standard Details for Raised Median  | 1410   | and City Limits)  |
| 705A<br>706.1 | Standard Driveyyey Approach (Type I)  | 1410   | Bicycle Lane Approaching Vehicle Right<br>Turn Lane           |
| 706.1         | Standard Driveway Approach (Type I)<br>Standard Driveway Approach (Type II) | 1411   | Street Name Sign  |
| 706.2         | Standard Driveway Approach (Type II) Standard Driveway Approach (Type II)   | 1412   | Urban Roundabout Sign Details                                 |
| 700.5         | Bypass)   | 1412L  | Future Road Extension Sign (Loveland)                         |
| 707.1         | Standard Driveway Approach (High  | 1413   | Standards Temporary Dead End                                  |
| 707.1         | Volume Drive, Type III)   | 1113   | Barricades  |
| 707.2         | Standard Driveway Approach (High  | 1414   | Cantilever Arm Bracket for Flat or                            |
| , 0 ,         | Volume Drive, Type IV)  |        | Extruded Blades   |
| 708           | Street Intersection Crosspan  | 1415   | Delineator Detail   |
| 709           | Standard Details for Drainage Under   | 1416L  | Signs and Pavement Markings for Speed                         |
|               | Sidewalk  |        | Tables – Loveland (City Limits only)                          |
| 710           | Asphalt Paving Detail (Crosspan)  | 1417L  | Signs and Pavement Markings for Raised                        |
| 711           | Bus Bay and Stop Standard   |        | Crossings – Loveland (City Limits only)                       |
| 712L          | Concrete Details – Loveland Affordable                                      | 1418   | Fire Access Road Signs  |
|               | Housing Only  | 1419   | Fire Apparatus Access Road Stenciling                         |
| 713.1F        | Subdrain Service Wye Detail – Fort Collins                                  |        | & Fire Lane Sign Installation                                 |
|               | (GMA and City Limits)   | 1420   | New FHWA Arrows (Elongated)                                   |
| 713.1L        | Subdrain Service Wye Detail – Loveland                                      | 1421   | Rectangular Rapid Flashing Beacon                             |
|               | (GMA and City Limits)   |        | (RRFB)  |
| 713.2F        | Subdrain Main Installation Details – Fort                                   | 1422   | Conduit and Pull Box For Fiber Optic                          |
|               | Collins (GMA and City Limits)   |        | Lines   |
| 713.2L        | Underdrain Main – Bedding Requirements                                      | 1601   | Standard Sidewalk   |
| 001           | - Loveland (GMA and City Limits)  | 1602   | Sidewalk Detail   |
| 801           | Standard Details for Raised Median  | 1603   | Access Ramp Details   |
| 002           | Geometry  | 1604   | Detached Walk/Intersection Detail                             |
| 802           | Forced Turn Barrier (Splitter Island)                                       | 1605   | Detached Walk/Intersection Detail                             |
|               | Right-In Right-Out Access (Loveland) Roundabout Truck Apron Curb (Loveland) | 1606   | Pedestrian Ramp Detail (For New Construction and Alterations) |
| 802.2L        | Alley Intersections   | 1607   | Access Ramp Scoring   |
| 901           | Access on Rural Roadways (without Curb                                      | 1608   | Median Islands and Pedestrian Refuge                          |
| 701           | and Gutter)   | 1000   | Area  |
| 1101          | Handrail Details  | 1609L  | Raised Speed Table – Loveland (GMA                            |
| 1101<br>1102L |   | 1007L  | and City Limits)  |
| 11022         | (GMA and City Limits)   | 1610   | Decorative Concrete Crosswalk                                 |
| 1103L         | Safety-Shaped Concrete Bridge Railing –                                     | 1010   | (Patterned/Colored Concrete)                                  |
|               | Loveland (GMA and City Limits)  | 1611   | Enhanced Asphalt Crosswalk                                    |
| 1104L         | Nevada Concrete Safety Shape – Loveland                                     |        | (Patterned/Colored Asphalt)                                   |
|               | (GMA and City Limits)   | 1612   | Enhanced Concrete Crosswalk                                   |
| 1105L         | Texas Type HT – Loveland (GMA and   |        | (Construction Detail)   |
|               | City Limits)  | 1613   | Raised Crosswalk Detail                                       |
| 1106L         | Texas Type TT – Loveland (GMA and   | 1701   | Bicycle Rack Details  |
|               | City Limits)  | 1702   | Bicycle Rack Details  |
| 1107          | Type C Aluminum Bridge Railing  | 1703   | Bicycle Rack Details  |
| 1108          | Bridge Railing/Parapet Wall Configuration                                   | 1704   | Bicycle Rack Foundation Details                               |
|               | Detail  | 1705   | Bicycle Rack Details  |
| 1201          | Standard Manhole Cover  | 1706F  | Bicycle Rack Details – Fort Collins                           |
| 1202          | Sleeve Locations  | 1707   | (GMA and City Limits)   |
| 1401          | Sign Post   | 1707   | Bicycle Rack Details  |
| 1402a         | No Parking Bike Lane Sign Detail  | 1801F  | 14' Local Speed Hump – Fort Collins                           |
| 1402b         | No Parking Anytime Sign Detail  | 10025  | (GMA and City Limits)   |
| 1403          | Standard Payement Markings  | 1802F  | 22' Speed Hump – For Collins (GMA                             |
| 1404          | Standard Pavement Markings with Turn  | 2201   | and City Limits) Trench Detail                                |
| 1405          | Lane Pavement Markings for Bike Crossing                                    | 2501   | Sidewalk Details  |
| 1405          | Typical Bicycle Lane Pavement Markings                                      | 2501   | Didewalk Details  |
| 1400          | Typical Dicycle Dalle I aveillent Markings                                  |        |   |

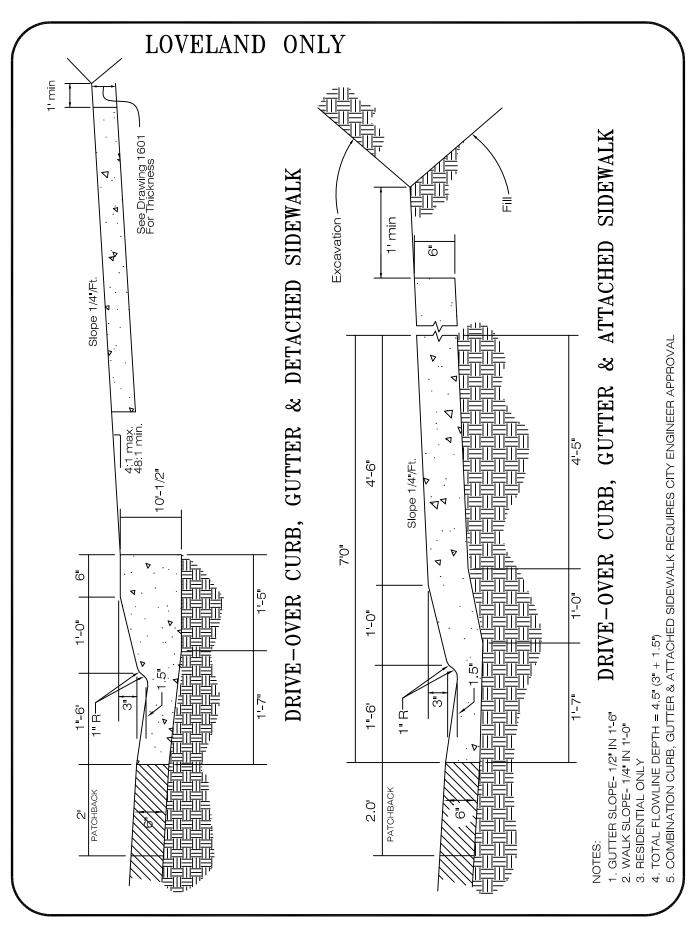




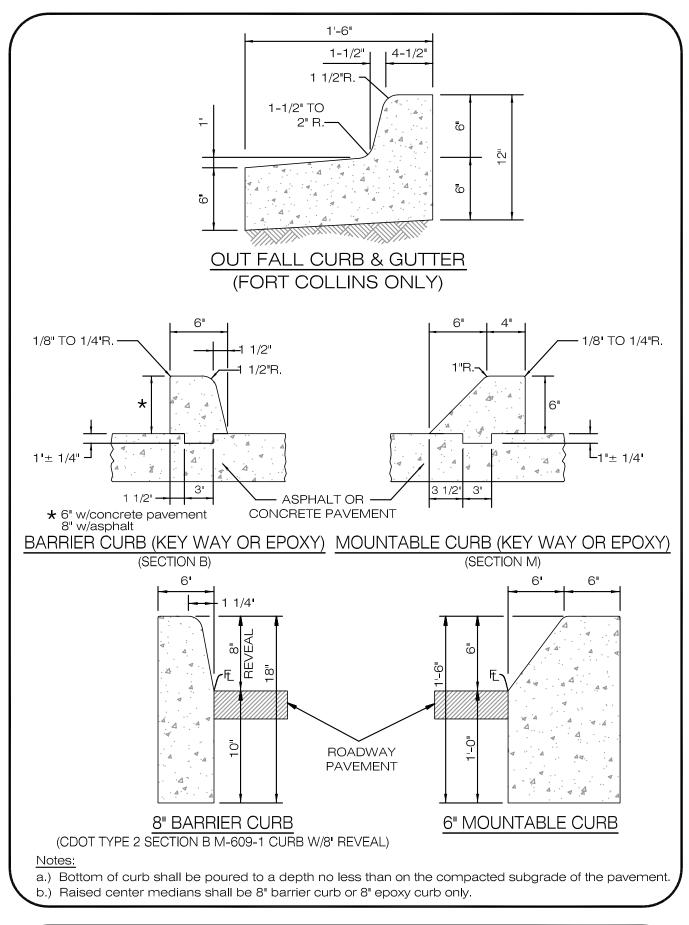
| <b>S</b>                     |              |          |          | Segue   |
|------------------------------|--------------|----------|----------|---------|
|                              | CURB AND C   | GUTTER   |          |         |
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | N0: 1    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 03/01/02 | 701     |



| 1 | CURE                         | B AND GUTTE  | R/SIDEWAI   | LK     |         |
|---|------------------------------|--------------|-------------|--------|---------|
|   | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO | : 1    | DRAWING |
| / | STREET STANDARDS             | DRAWINGS     | DATE: 03,   | /01/02 | 702     |



|   | DRIVE-OVE                      | R CURB, GU   | TTER &   | SIDEWALK |         |
|---|--------------------------------|--------------|----------|----------|---------|
|   | LARIMER COUNTY                 | CONSTRUCTION | REVISION | NO:      | DRAWING |
| 1 | URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 08/01/21 | 702L    |

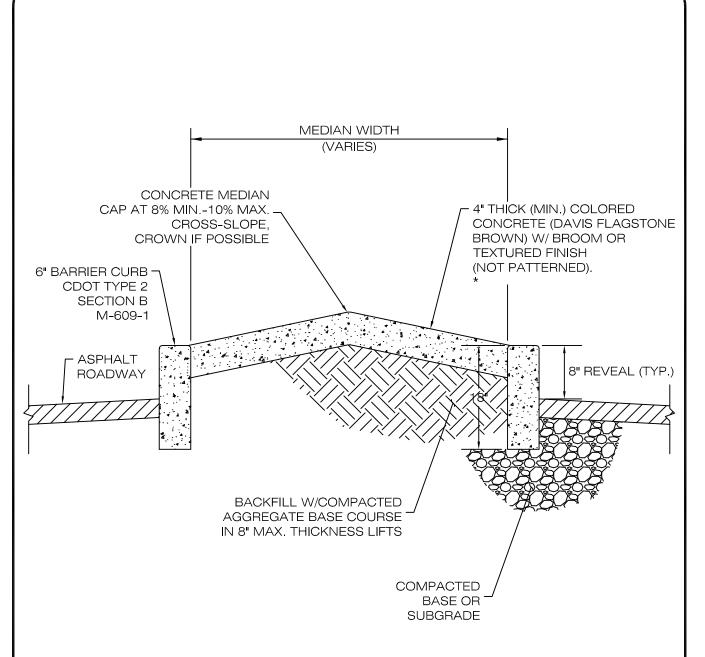


MEDIAN (ISLAND CURBS)

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

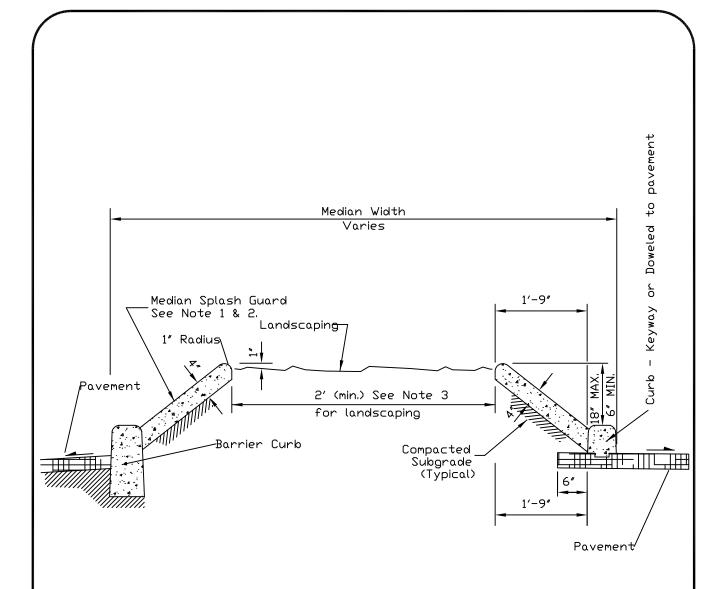
CONSTRUCTION
DRAWINGS
DATE: 04/01/07

703



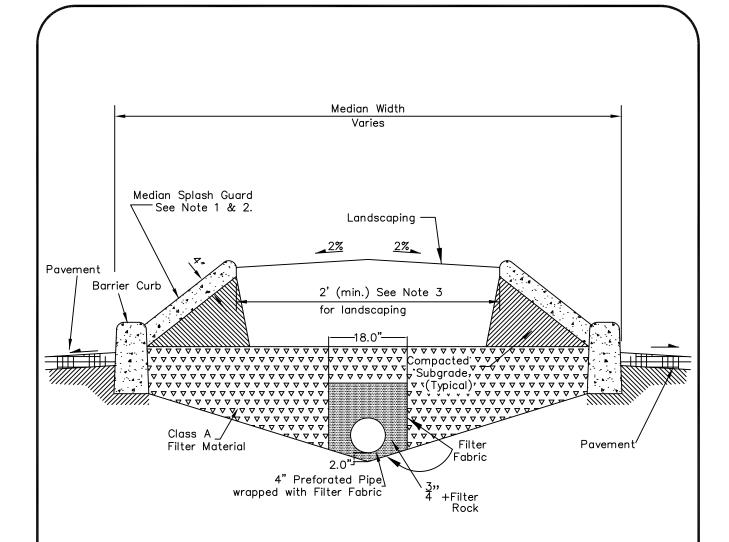
- 1. For areas where the median area is less that 5.5' wide and landscaping cannot be achieved.
- 2. May be used for portions where the median area is > 5.5' if a variance is granted by the local entity engineer.
- 3. Glue down curb may be used only if approved by the local entity engineer.
- \* Design engineer to specify control joint pattern to prevent cracks.

| STANDARD                       | DETAILS FO   | R RAISE  | D MEDIAN |         |
|--------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION | NO:      | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 08/01/21 | 704-B   |



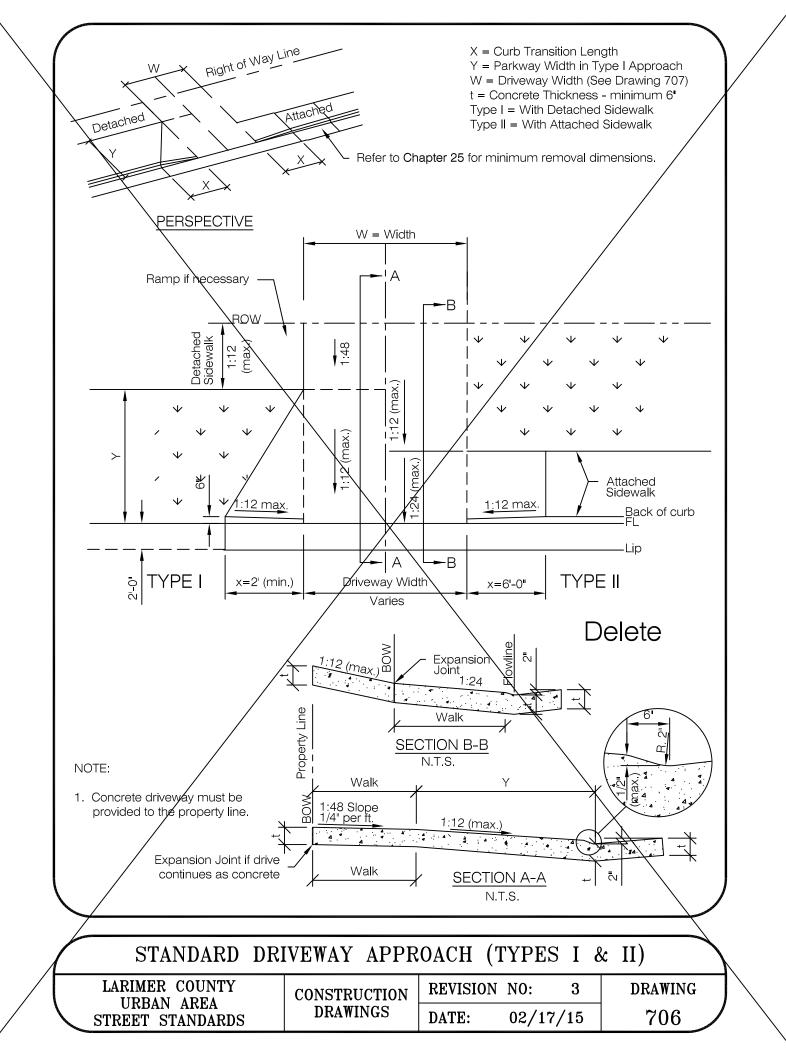
- 1. All Splash Guard shall be constructed of stamped concrete, colored concrete or equivalent, or exposed aggregate as required by the Local Entity.
- 2. Use 10' joint spacing on the Splash Guard concrete (match C&G joints).
- 3. For the portions of medians where the landscape area is less than 2' wide, 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.

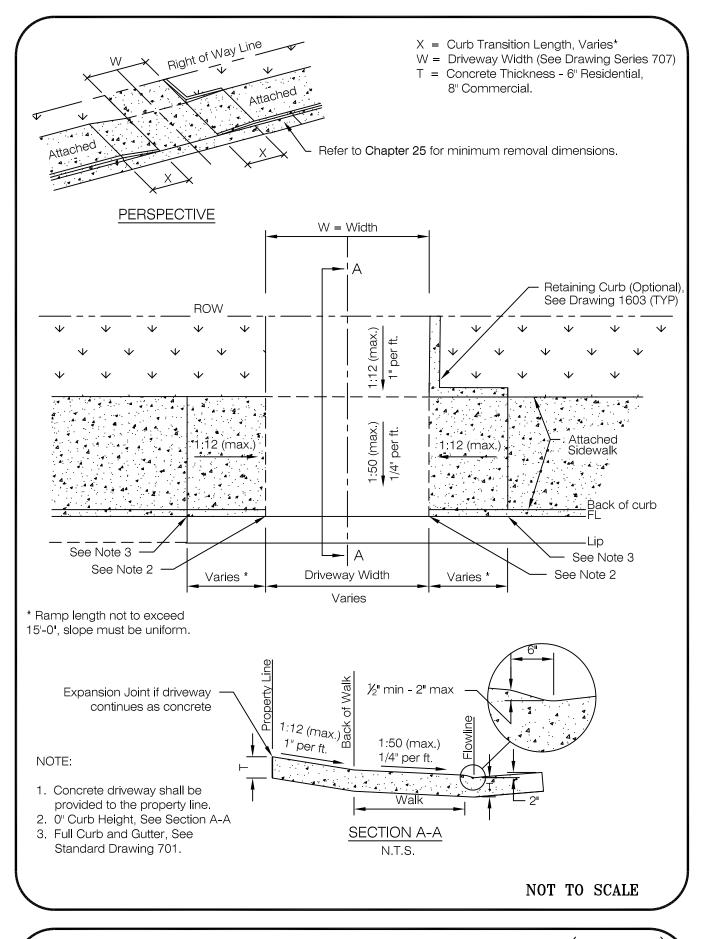
| STANDARD                     | DETAILS FO   | R RAISED   | MEDIAN  |         |
|------------------------------|--------------|------------|---------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION N | 10:     | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE: C    | 8/01/21 | 705     |



- 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 DETA   | AILS         | FOR RAISE | ED MEDIAN |  |
|------------------------------|--------------|--------------|-----------|-----------|--|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO: |           | DRAWING   |  |
| STREET STANDARDS             | DRAWINGS     | DATE:        | 08/01/2   | 705a      |  |





# STANDARD DRIVEWAY APPROACH ATTACHED WALK (TYPE II) LARIMER COUNTY CONSTRUCTION REVISION NO: 1 DRAWING

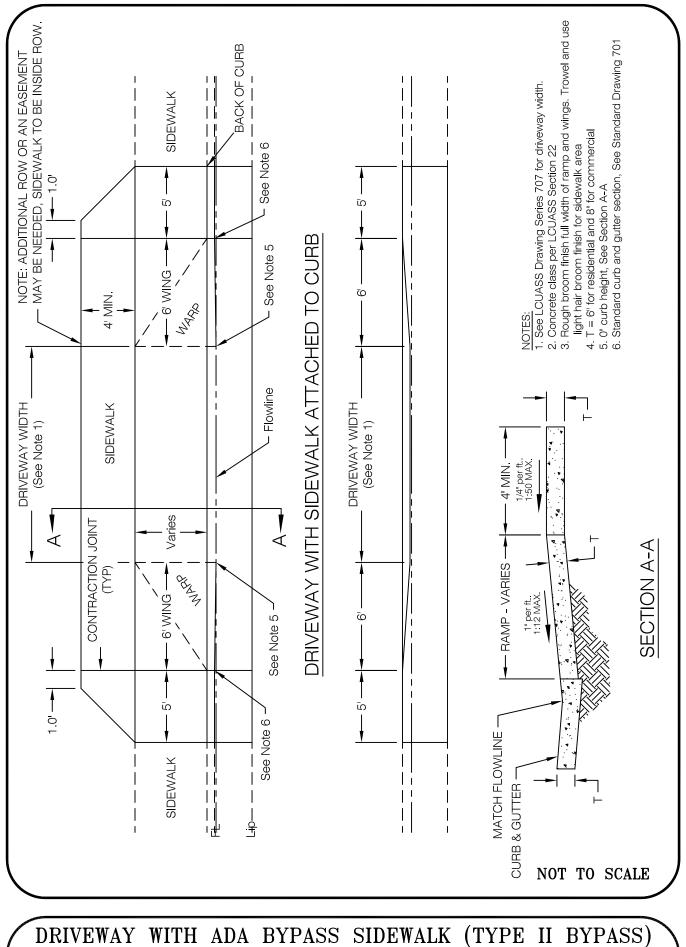
URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS

REVISION NO: 1

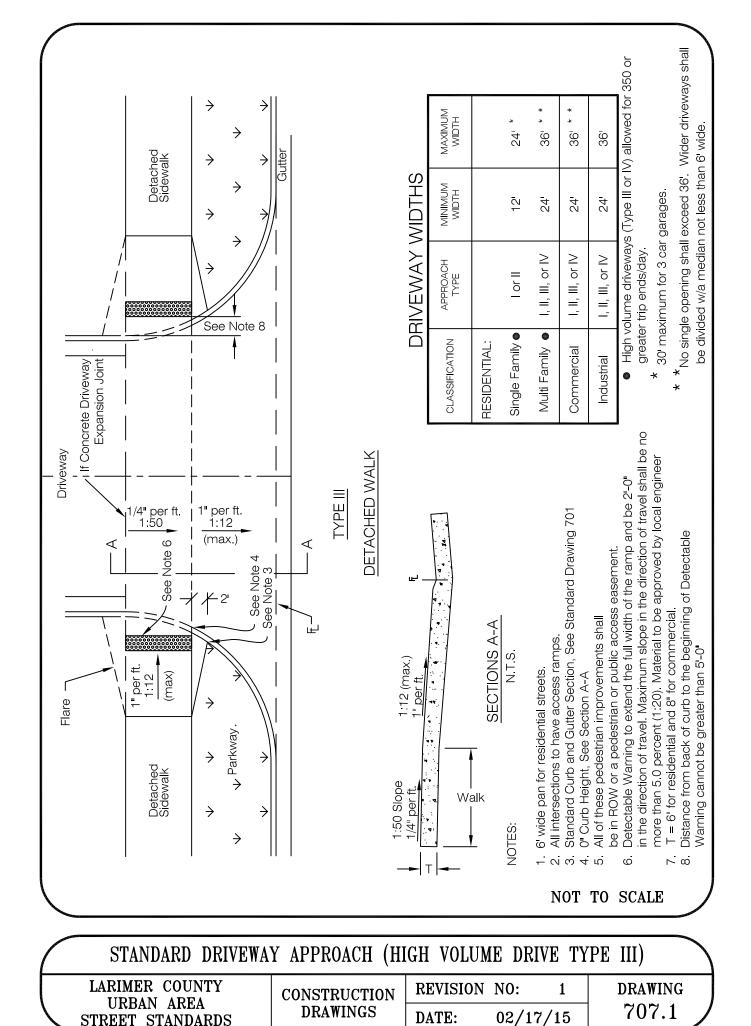
DATE: 02/17/15

DRAWING

706.2

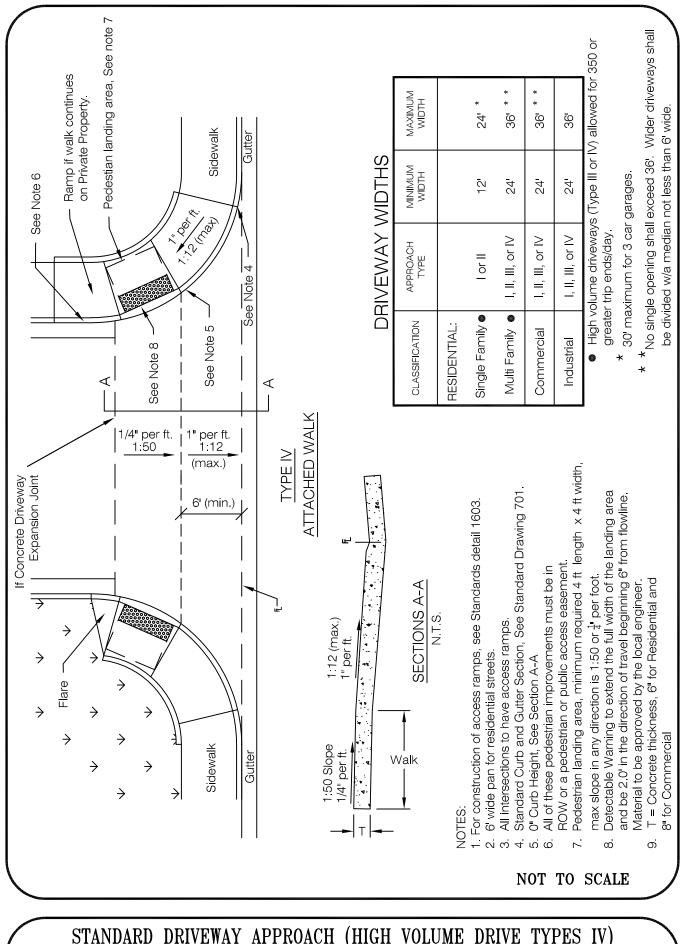


# LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS REVISION NO: 1 DATE: 02/17/15 706.3

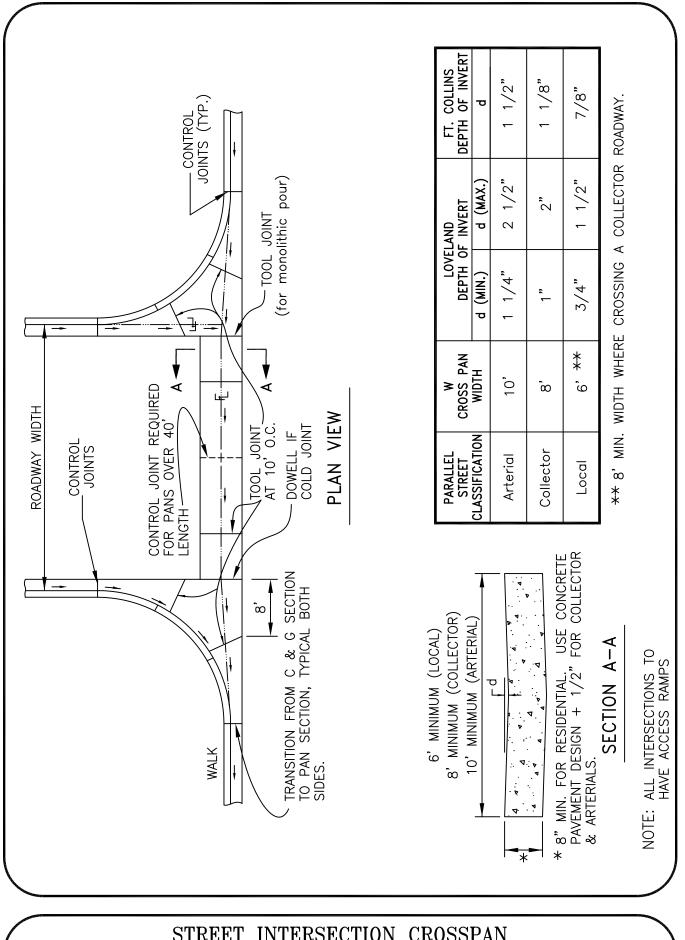


STREET

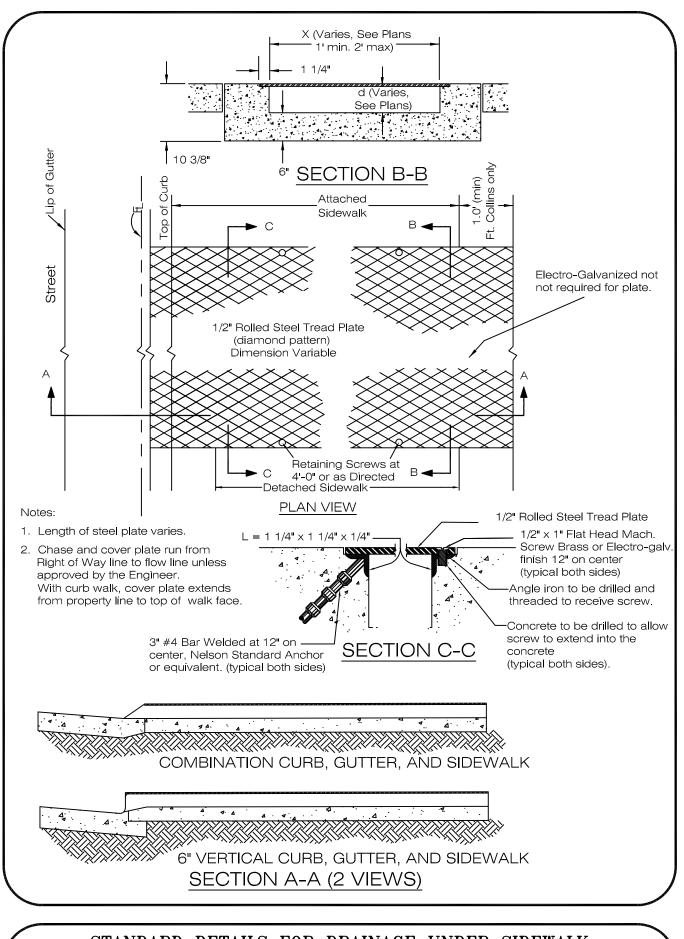
**STANDARDS** 



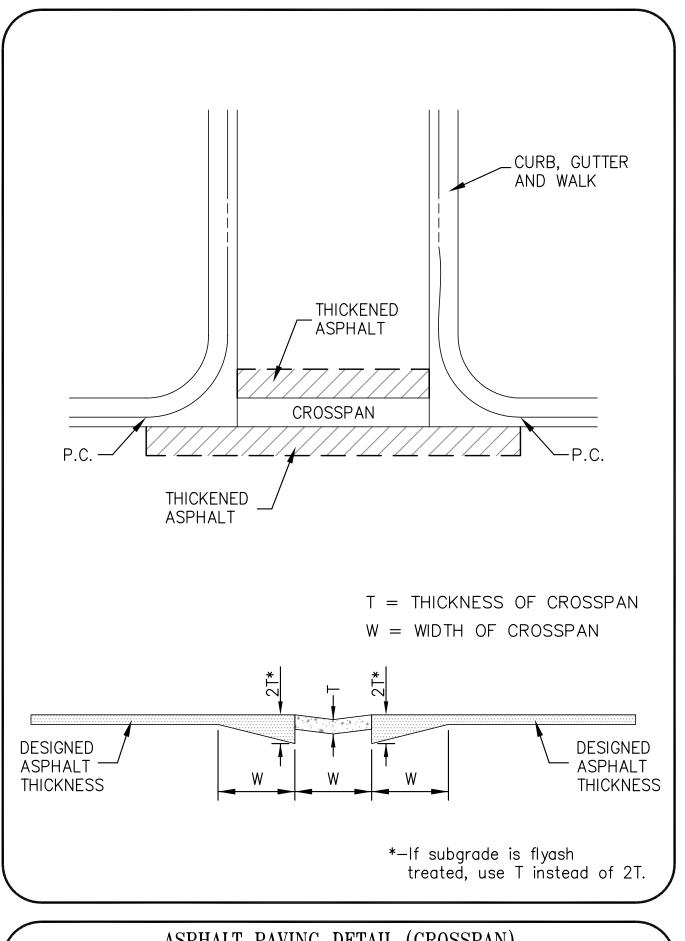
| SIANDAND DRIVEWA             | APPROACH (HI | GH VOLUM | E DUIVE II | LEO IA) |
|------------------------------|--------------|----------|------------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO: 1      | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 08/01/21   | 707.2   |



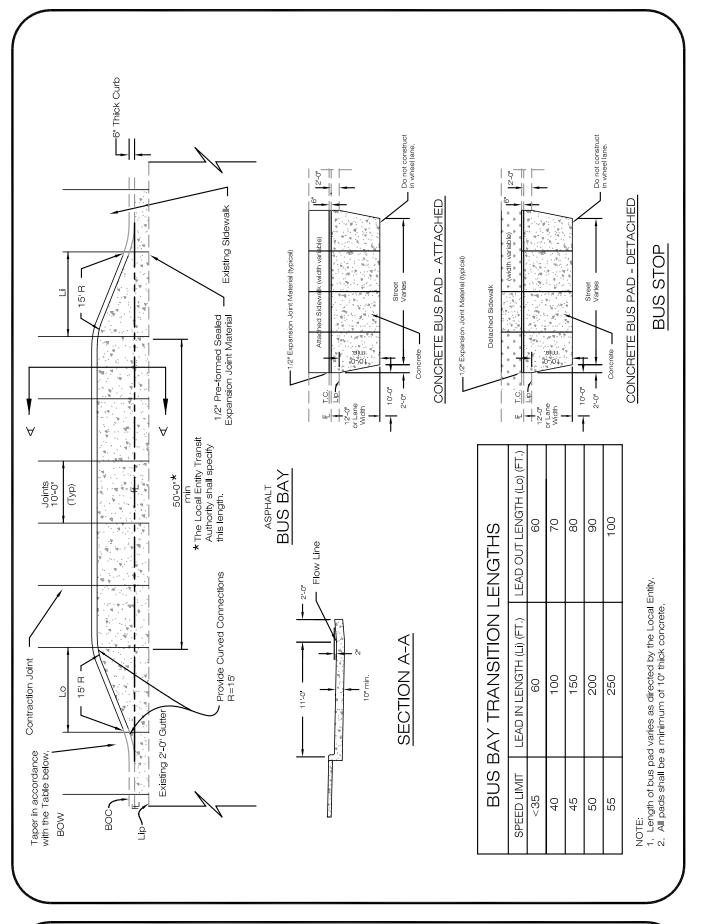
| 1 | STREE                        | T INTERSECTI | ON CROS  | SSPAN   |    |         |
|---|------------------------------|--------------|----------|---------|----|---------|
|   | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:     | 2  | DRAWING |
| / | STREET STANDARDS             | DRAWINGS     | DATE:    | 08/01/2 | 21 | 708     |



# STANDARD DETAILS FOR DRAINAGE UNDER SIDEWALK LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS DATE: 08/01/21 709



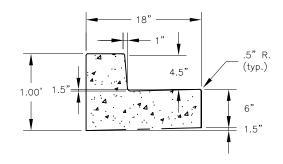
| ASPHAL                         |              |          |          |         |
|--------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION | NO: 1    | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 04/01/07 | 710     |



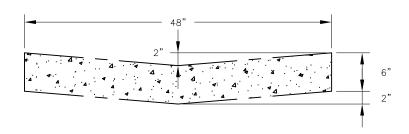
| BUS                          | BAY AND STO  | P STAND  | OARD     |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO: 1    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 04/01/07 | 711     |

# LOVELAND (AFFORDABLE HOUSING ONLY)

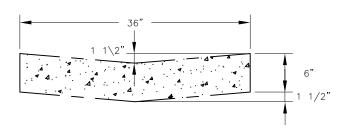
NARROW VERTICAL



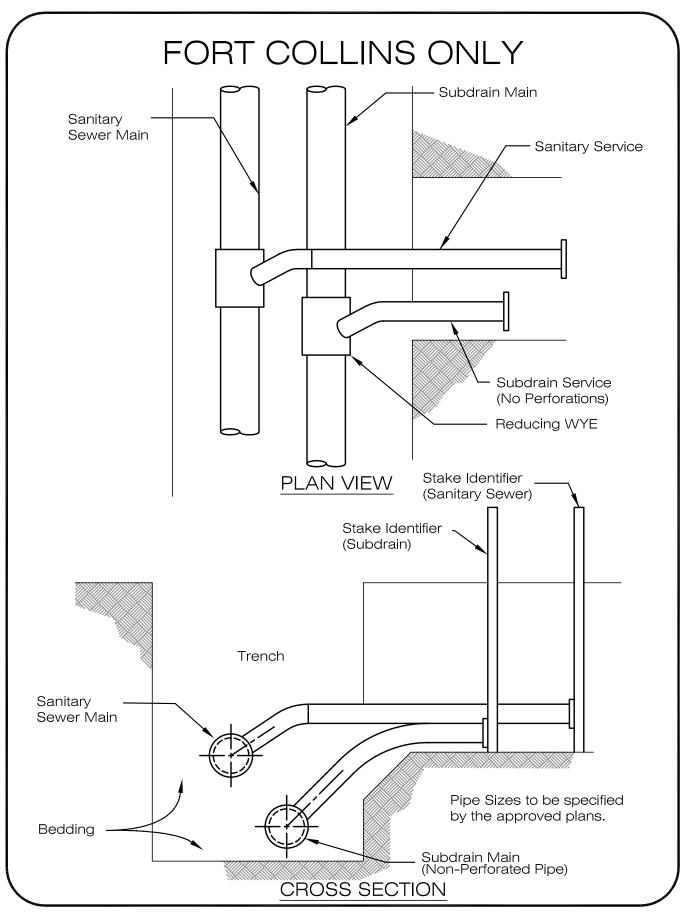
VALLEY WALK 4' WIDE



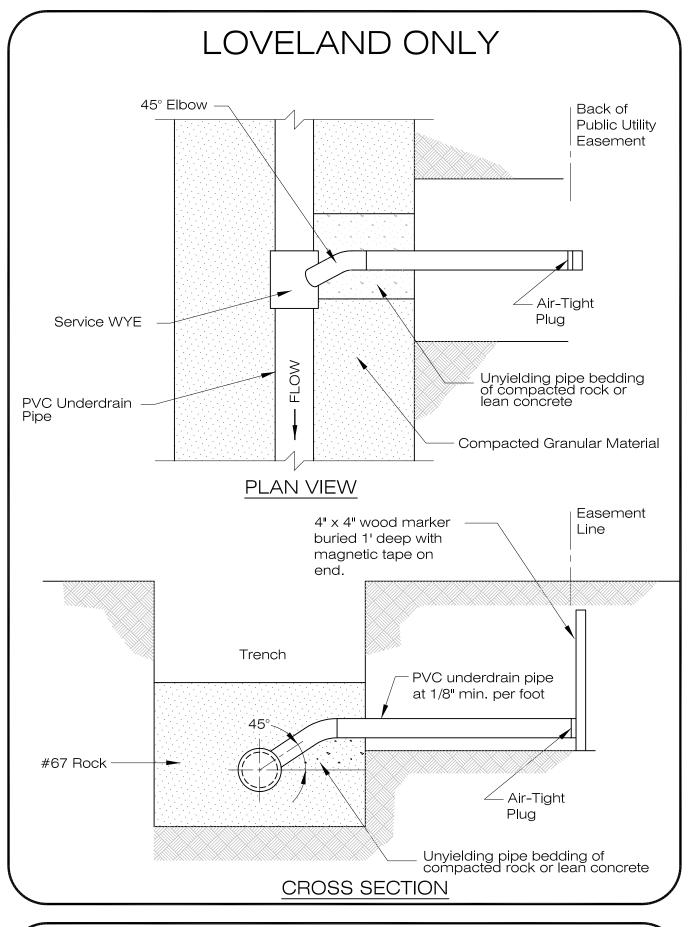
VALLEY WALK
3' WIDE



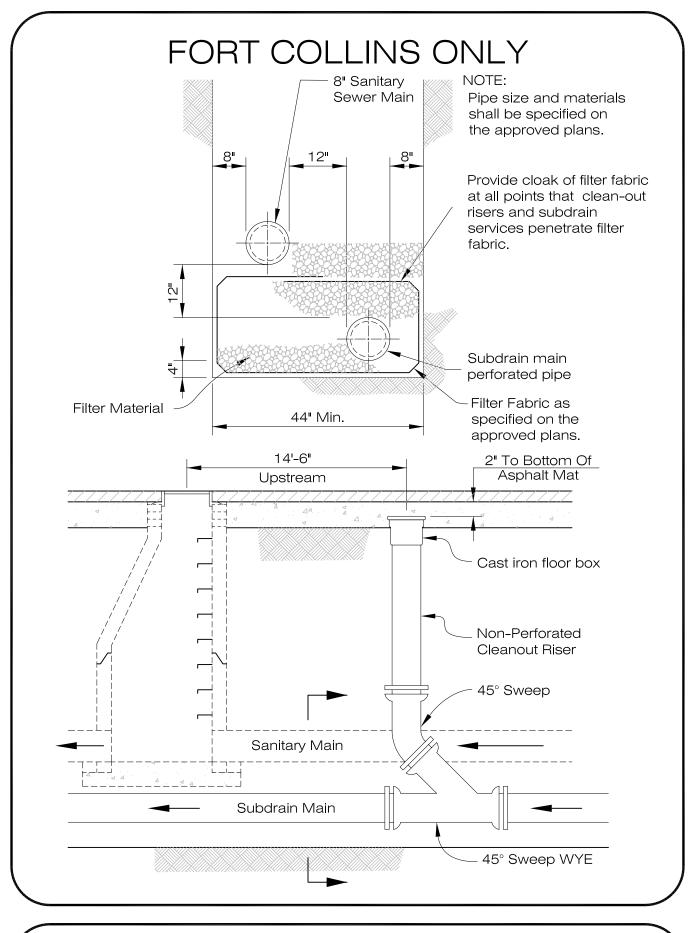
| ĺ   |                                |              |          |          |         |
|-----|--------------------------------|--------------|----------|----------|---------|
| 200 | LARIMER COUNTY                 | CONSTRUCTION | REVISION | NO:      | DRAWING |
| •   | URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 08/04/99 | 712L /  |



| SUBDRAIN SERVICE DETAIL      |              |          |          |         |  |  |
|------------------------------|--------------|----------|----------|---------|--|--|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:      | DRAWING |  |  |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 04/01/07 | 713.1F  |  |  |

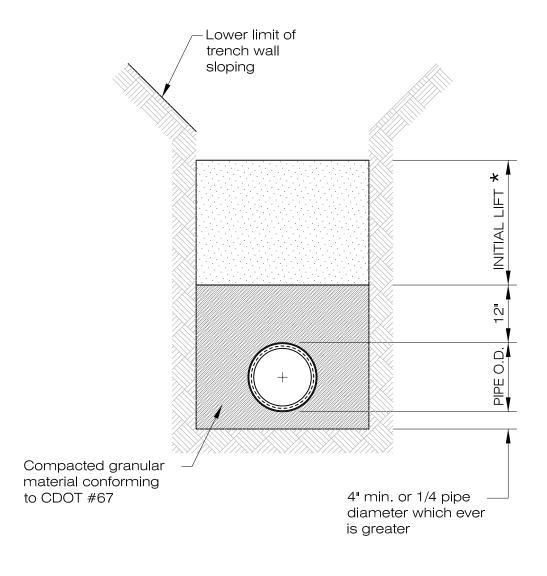


| STANDARD                     | UNDERDRAIN S | SERVICE  | CONNECT  | ION     |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:      | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 10/25/01 | 713.1L  |



|   | SUBDRAIN                     | MAIN – INST  | CALLATIO | ON DETAIL | S       |
|---|------------------------------|--------------|----------|-----------|---------|
|   | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:       | DRAWING |
| _ | STREET STANDARDS             | DRAWINGS     | DATE:    | 10/25/01  | 713.2F  |

### LOVELAND ONLY



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

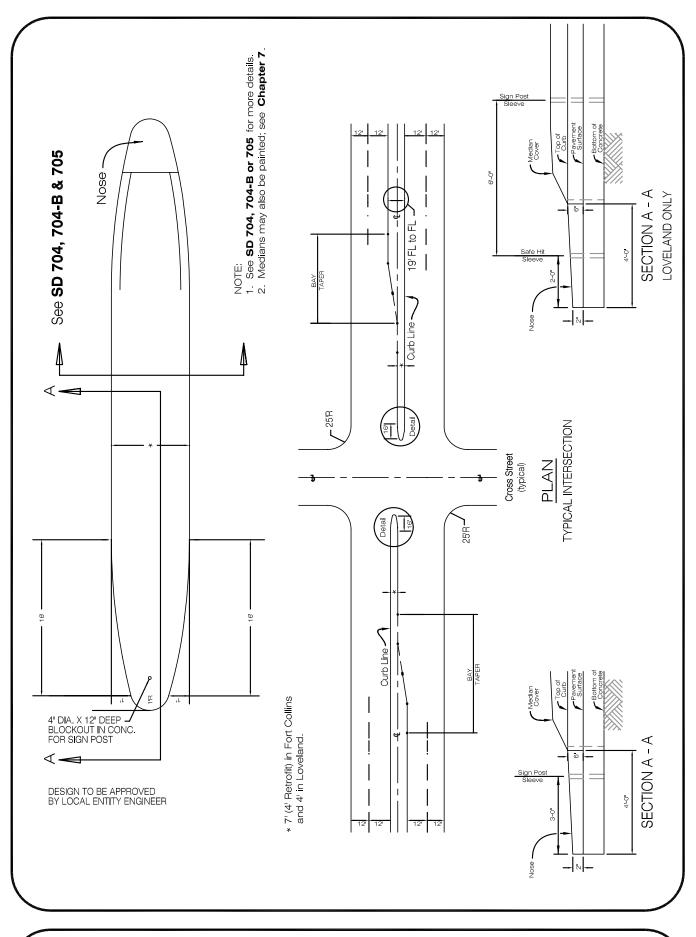
NOTE: All underdrain mains will be pressure tested and video taped by contractor.

| UNDERDRAIN  | MAIN  | _   | BED   | DING   | RE | QUII | REM | ENI | [S |
|-------------|-------|-----|-------|--------|----|------|-----|-----|----|
| IMER COUNTY | CONCE | חומ | mros: | REVISI | ON | NO:  |     |     | ומ |

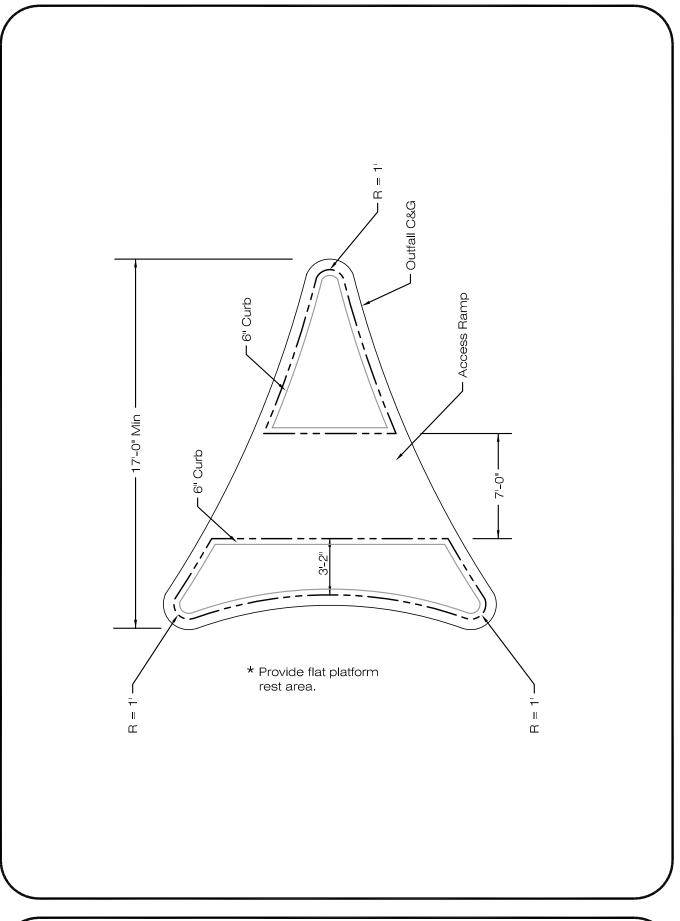
LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWING
DATE: 10/25/01

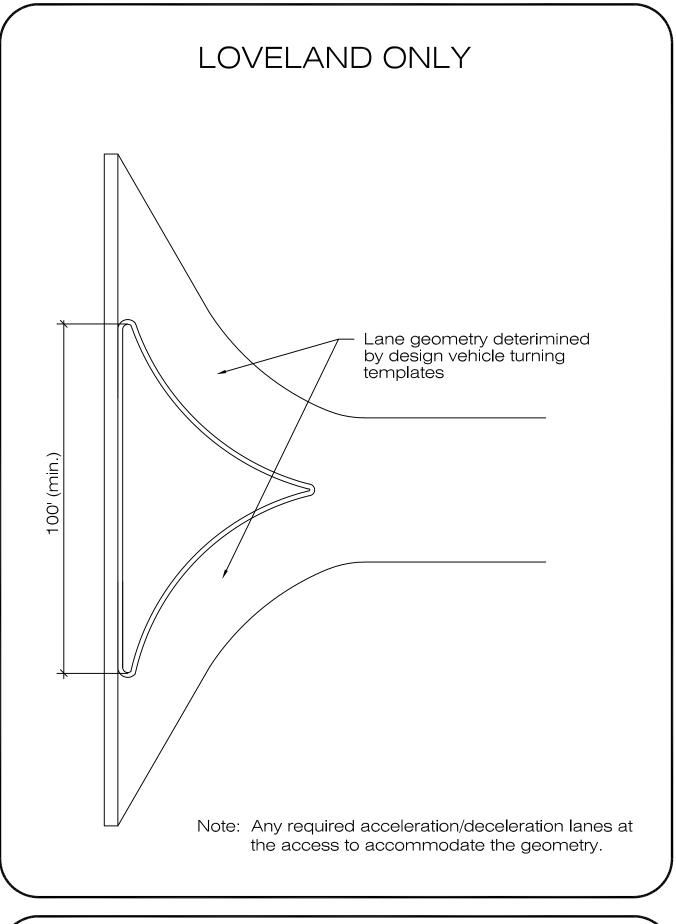
DRAWING
713.2L



|   | STANDARD DETA                | ILS FOR RAIS | SED MEDIAN   | GEO]  | METRY \ |
|---|------------------------------|--------------|--------------|-------|---------|
|   | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO: | 1     | DRAWING |
| / | STREET STANDARDS             | DRAWING      | DATE: 04/    | 01/07 | 801     |

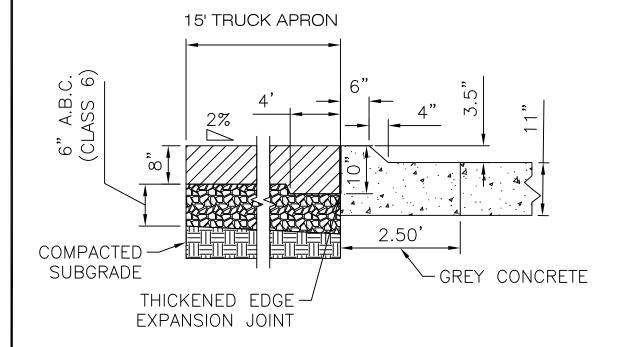


| FORCED TU                    | JRN BARRIER  | (SPLITTER   | ISLAND) |         |
|------------------------------|--------------|-------------|---------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO | : 2     | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE: 04    | /01/07  | 802     |

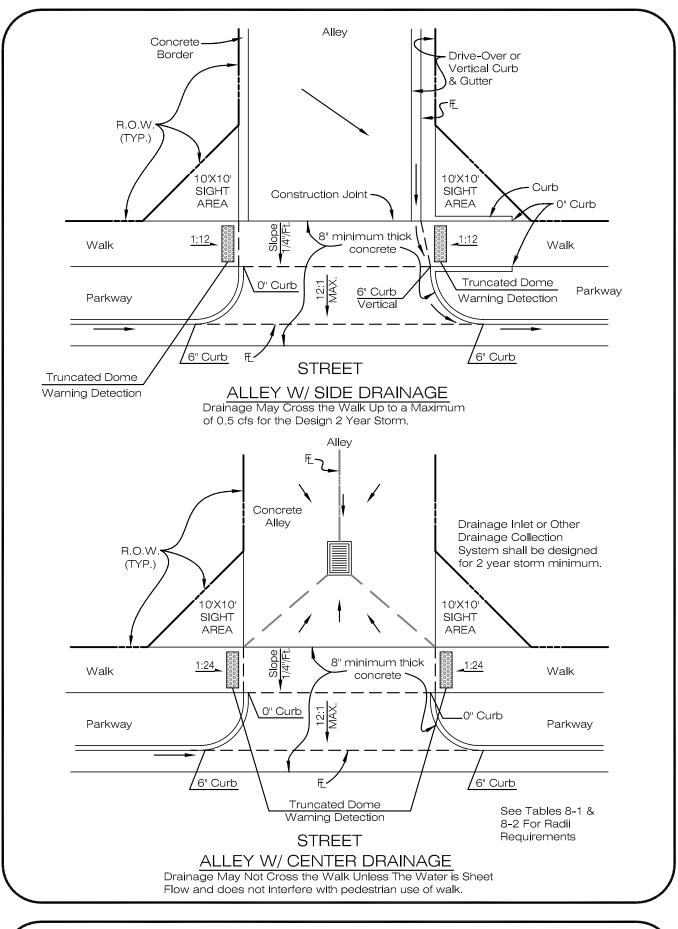


| Right-In Right-Out Access    |        |                |         |  |  |  |
|------------------------------|--------|----------------|---------|--|--|--|
| LARIMER COUNTY<br>URBAN AREA | DESIGN | REVISION NO:   | DRAWING |  |  |  |
| STREET STANDARDS             | FIGURE | DATE: 08/01/21 | 802.1L  |  |  |  |

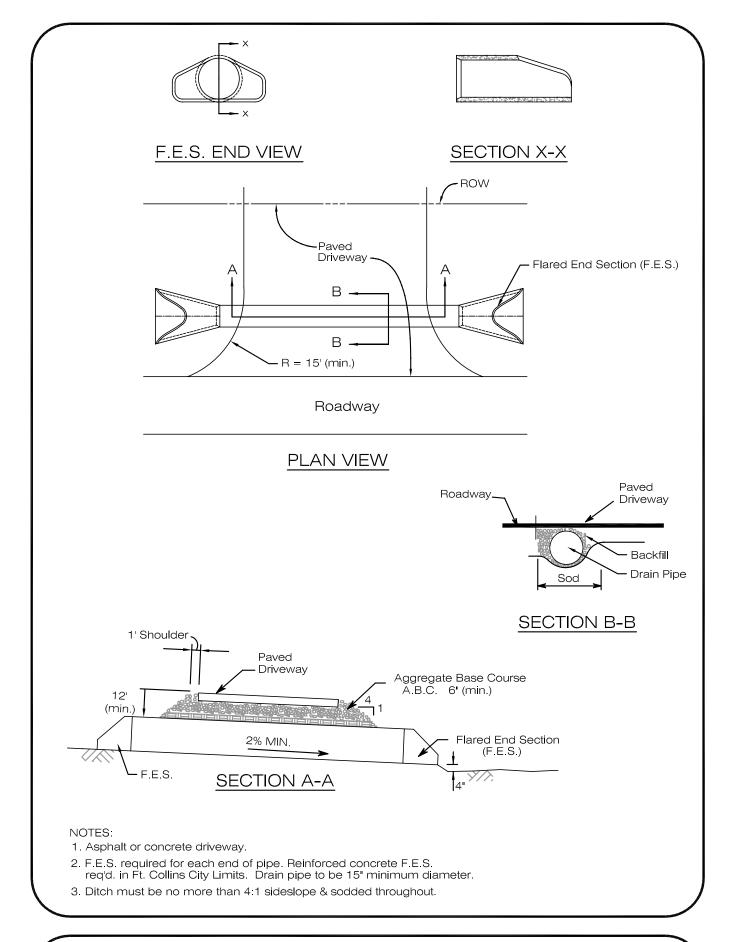
## LOVELAND ONLY



| Roune                        | dabout Truck | Apron (    | Curb     |         |
|------------------------------|--------------|------------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | DESIGN       | REVISION I | NO:      | DRAWING |
| STREET STANDARDS             | FIGURE       | DATE:      | 08/01/21 | 802.2L  |



| Į.                             | ALLEY INTERS | SECTION  | S        |         |
|--------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION | No: 2    | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 04/01/07 | 803     |



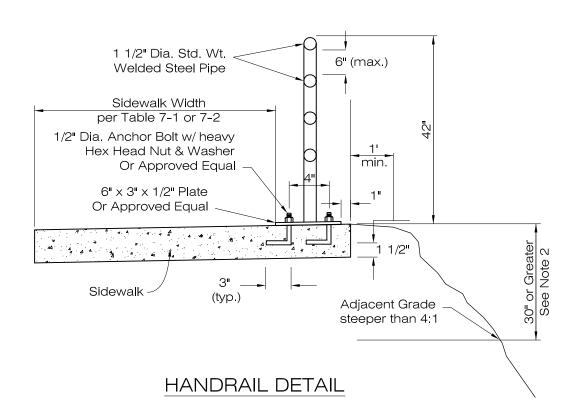
### ACCESS ON RURAL ROADWAYS (W/O CURB AND GUTTER)

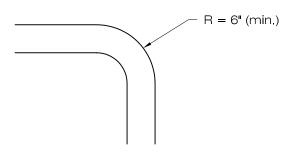
LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS

DATE: 04/01/07

DRAWING





### TOP RAIL CORNER DETAIL

- 1. The sidewalk width shall be increased by a minimum of 6" whenever handrail is used.
- 2. If a sidewalk is more than 30" above the adjacent grade, the handrail shall be used.
- 3. Open clearance between intermediate rails must be 4" or less.
- 4. Finish shall be either galvanized of semi-gloss enamel over a shop coat of metal primer.
- 5. When the slope behind the sidewalk is steeper than 4:1, the handrail must be used.
- 6. When slope behind sidewalk is less than or equal to 4:1 for a minimum distance of 10', a handrail is not required.

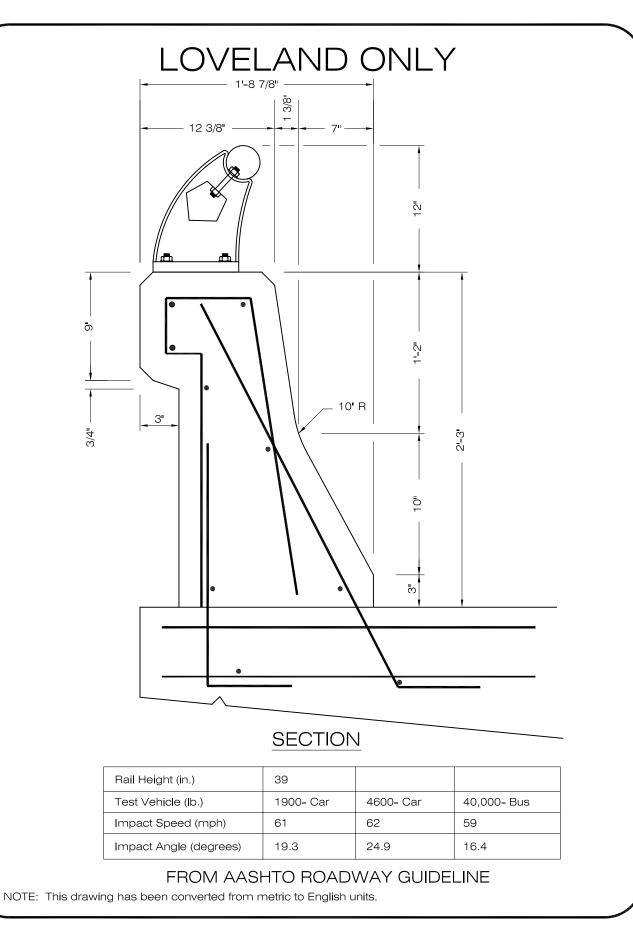
|                                | HANDRAIL D   | ETAILS   |          |         |
|--------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION | N0: 1    | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 03/01/02 | 1101    |

## OVELAND ONLY 2-5 5'-0" Opening 5'-0" Interior Post 2'-6" min **End Post** (Typ. All Spans) (Typ. All Spans) Elevation of Traffic Rail 4 1/2" |-1 1/2" --Reinforcement Section Rail Height (in.) 29 Test Vehicle (lb.) 1980#- Car 4660#- Car Impact Speed (mph) 59 59 Impact Angle (degrees) 18.9 25.4 FROM AASHTO ROADWAY GUIDELINE NOTE: This drawing has been converted from metric to English units.

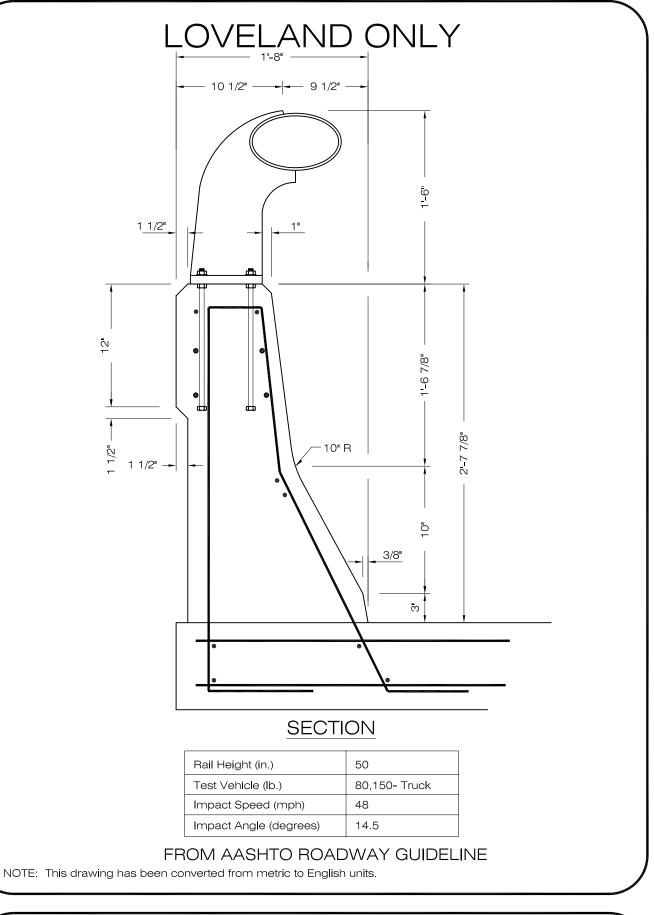
# OKLAHOMA TR-1 BRIDGE RAILING LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS DATE: 08/07/00 DRAWING

# LOVELAND ONLY 1'-8" 10 1/2" -9 1/2" -1\_1/2" 10" R 1 1/2" --3/8" ਨ SECTION Rail Height (in.) 50 Test Vehicle (lb.) 80,150- Truck Impact Speed (mph) 14.5 Impact Angle (degrees) FROM AASHTO ROADWAY GUIDELINE NOTE: This drawing has been converted from metric to English units.

|   | SAFETY-SHA                   | PED CONCRE   | TE BRIDO   | GE RAILIN | NG      |
|---|------------------------------|--------------|------------|-----------|---------|
|   | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION I | NO:       | DRAWING |
| / | STREET STANDARDS             | DRAWINGS     | DATE:      | 08/07/00  | 1103L   |

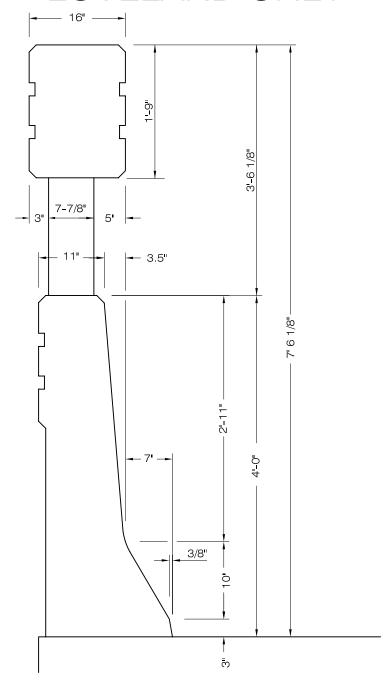


# NEVADA CONCRETE SAFETY SHAPE LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS DATE: 08/07/00 1104L



|                              | TEXAS TYP    | E HT     |          |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | N0:      | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 08/07/00 | 1105L   |

## LOVELAND ONLY

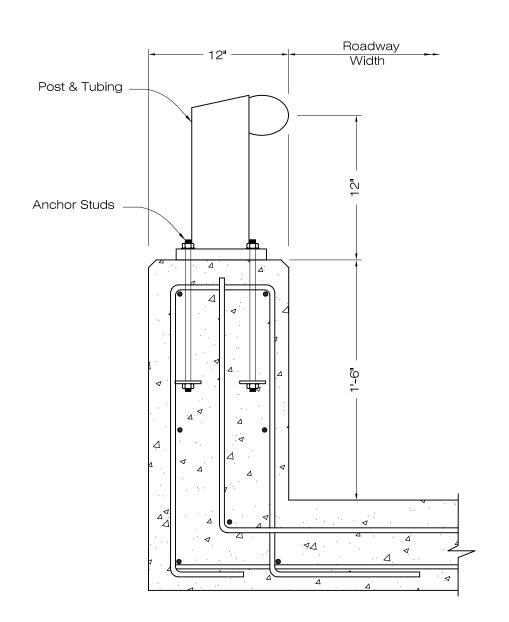


| Rail Height (in.)      | 98                                |
|------------------------|-----------------------------------|
| Test Vehicle (lb.)     | 80,190 -Tank Type Tractor-Trailer |
| Impact Speed (mph)     | 52                                |
| Impact Angle (degrees) | 15.0                              |

#### FROM AASHTO ROADWAY GUIDELINE

NOTE: This drawing has been converted from metric to English units.

|  | TEXAS TYPE TT         |          |          |         |  |
|--|-----------------------|----------|----------|---------|--|
| LARIMER COUNTY<br>URBAN AREA<br>STREET STANDARDS | CONSTRUCTION DRAWINGS | REVISION | NO:      | DRAWING |  |
|  |                       | DATE:    | 08/07/00 | 1106L   |  |

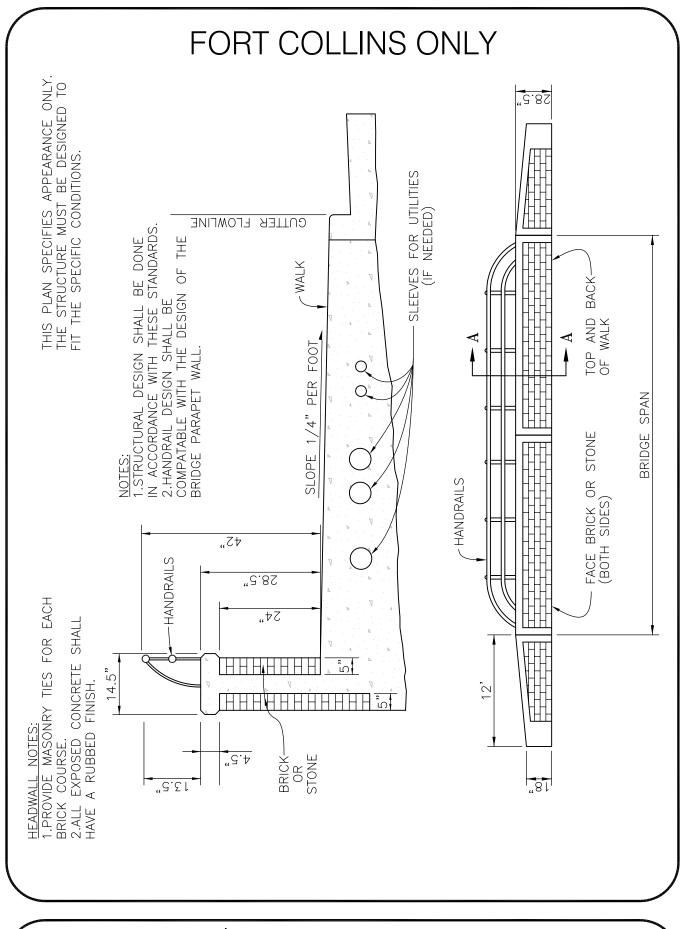


Section Through Parapet & Rail

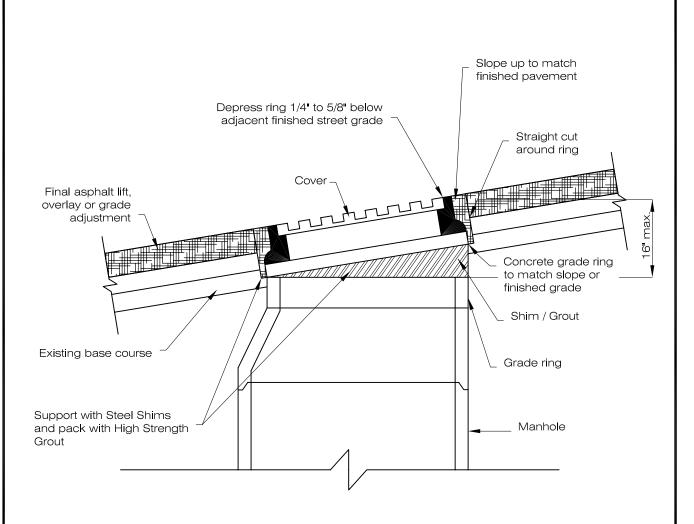
| Rail Height (in.)      | 32"       |           |             |
|------------------------|-----------|-----------|-------------|
| Test Vehicle (lb.)     | 1990- Car | 4660- Car | 20,000- Bus |
| Impact Speed (mph)     | 60        | 60        | 57          |
| Impact Angle (degrees) | 18.8      | 25.0      | 14.8        |

#### FROM AASHTO ROADWAY GUIDELINE

|                                | TYPE C | ALUMINUM I               | BRIDGE       | RAILING |         |
|--------------------------------|--------|--------------------------|--------------|---------|---------|
| LARIMER COUNTY                 |        | CONSTRUCTION<br>DRAWINGS | REVISION NO: |         | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DATE:  |                          | 08/07/00     | 1107    |         |



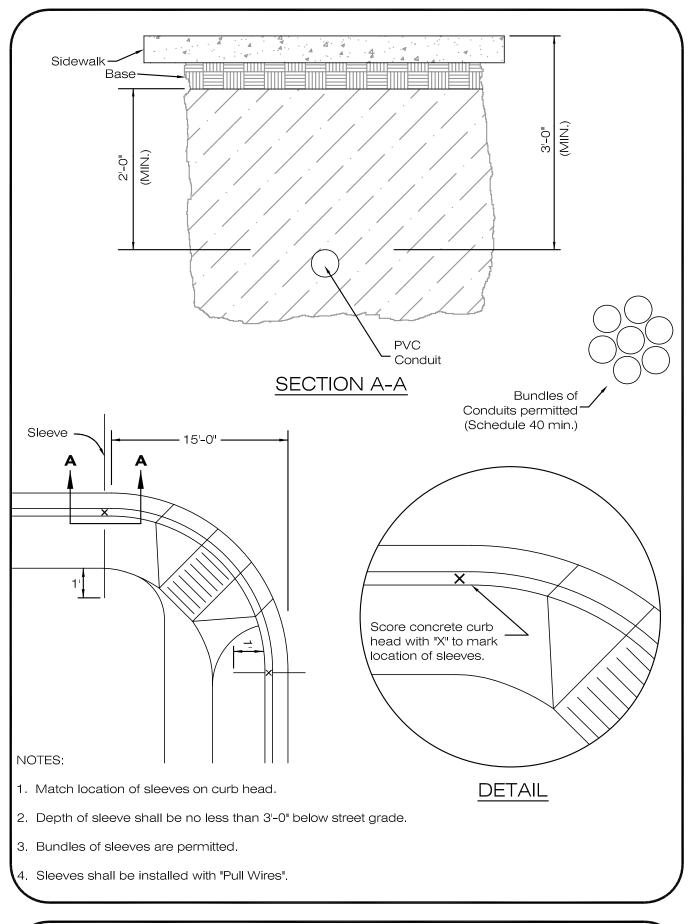
|                  | BRIDGE RAILING/I             | PARAPET WAL  | L CONFI  | GURATION | DETAIL |  |
|------------------|------------------------------|--------------|----------|----------|--------|--|
|                  | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO: 1    | FIGURE |  |
| STREET STANDARDS | DRAWINGS                     | DATE:        | 11/16/00 | 1108     |        |  |



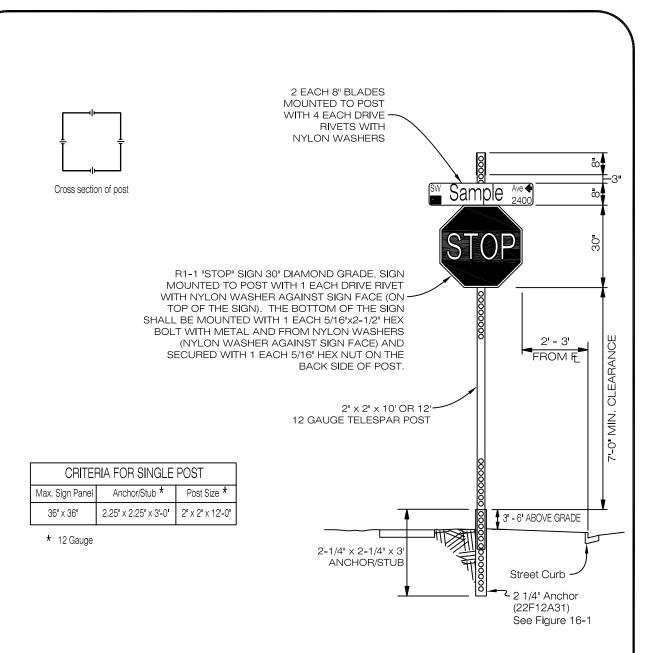
#### NOTE:

- 1. Grout shall be a mixture of 100 lbs Grout mix, 26 lbs water (3.12 Gal), and 100 lbs of sand conforming to ASTM C-35.
- 2. Manholes shall not be located in crosspans, gutters, or wheel path.
- 3. Shim and grout to make ring and cover flush with the finished pavement surface.

| STA                          |              |                |         |
|------------------------------|--------------|----------------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO:   | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE: 08/07/00 | 1201    |



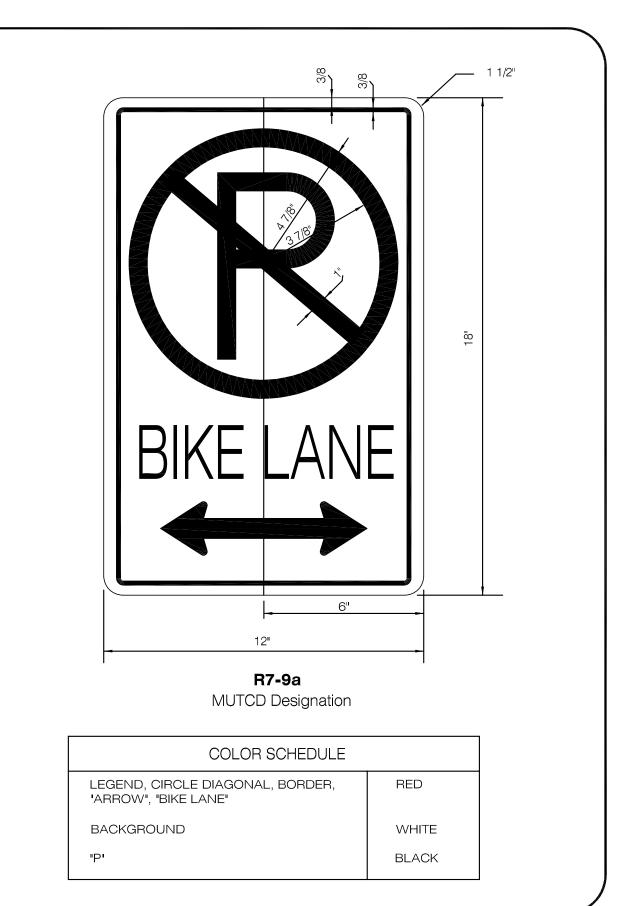
|                              | SLEEVE LOC   | ATIONS   |          |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO: 1    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 04/01/07 | 1202    |



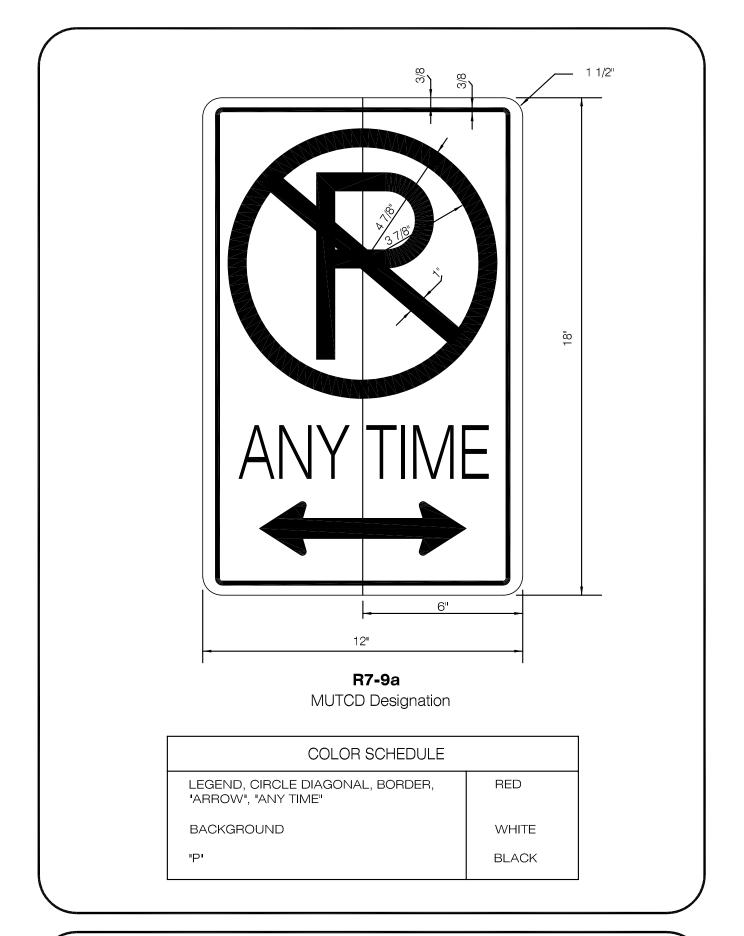
#### NOTES:

- 1. Attach the sign panels tightly to the post and use 5/16" (ID) X 3/4" (OD) washers to keep the sign from breaking loose from the post when hit by a vehicle.
- 2. Sign panels should be mounted a minimum of 7 feet above the pavement or ground.
- 3. Signs larger than 36 inches in length or width require wind bracing and special post design.
- 4. Anchor Stub and post are square steel tube (perforated).
- 5. All "No Parking" signs shall be installed at 45° from Flow Line.
- 6. Stop sign to be installed at Point of Curvature (PC) for direction of travel.

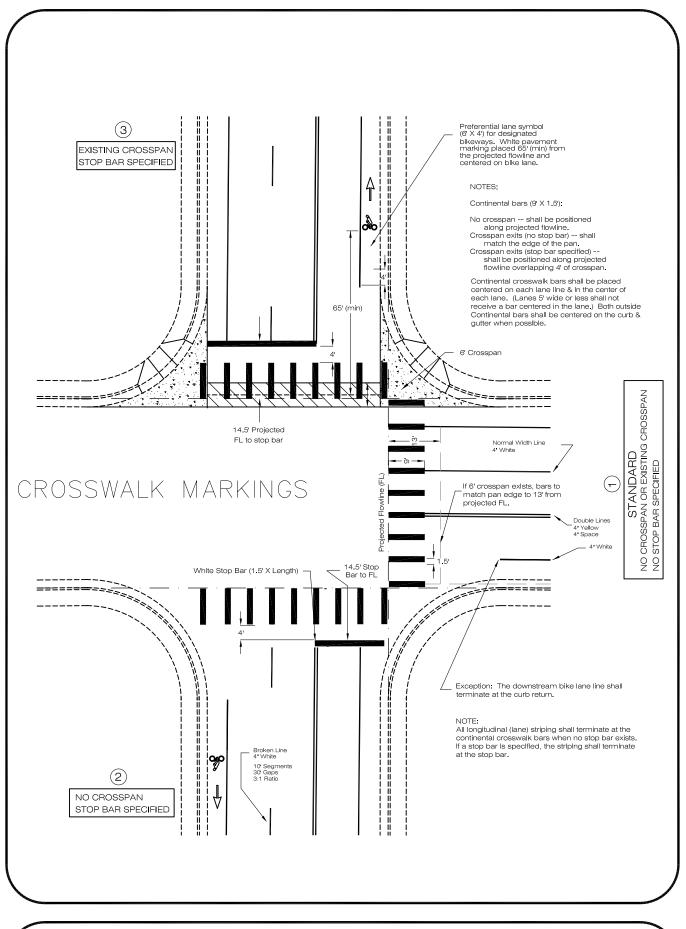
|                              | SIGN PO      | ST       |          |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | N0: 2    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 08/01/21 | 1401    |



| NO PARK                      | ING BIKE LA  | NE SIGN  | DETAIL   |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | N0: 2    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 04/01/07 | 1402a   |



| NO PARI                        | KING ANY TIM | ME SIGN DE   | TAIL  |         |
|--------------------------------|--------------|--------------|-------|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION NO: | 2     | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE: 04/0   | 01/07 | 1402b   |

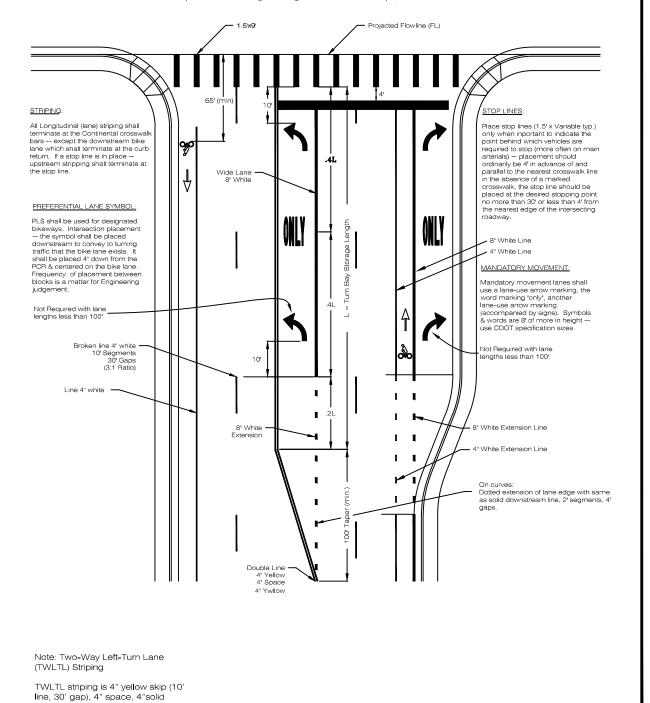


## STANDARD PAVEMENT MARKINGS LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS DATE: 03/01/02 1403

#### **PAVEMENT MARKINGS**

#### CROSSWALK MARKINGS:

An Engineering study should be required before crosswalk markings are installed in locations away from traffic signals or stop signs. Continental crosswalk bars (1.5 x 9 typ.) shall be placed adjacent to the projected flowline or abutting to existing crosspan. A bar shall be placed centered on each lane line and in the center of each lane. Lanes 5' wide or less shall not receive a bar centered in the lane. It is important that the markings are in alignment with the access ramps / sidewalks.



## STANDARD PAVEMENT MARKINGS W/TURN LANE

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

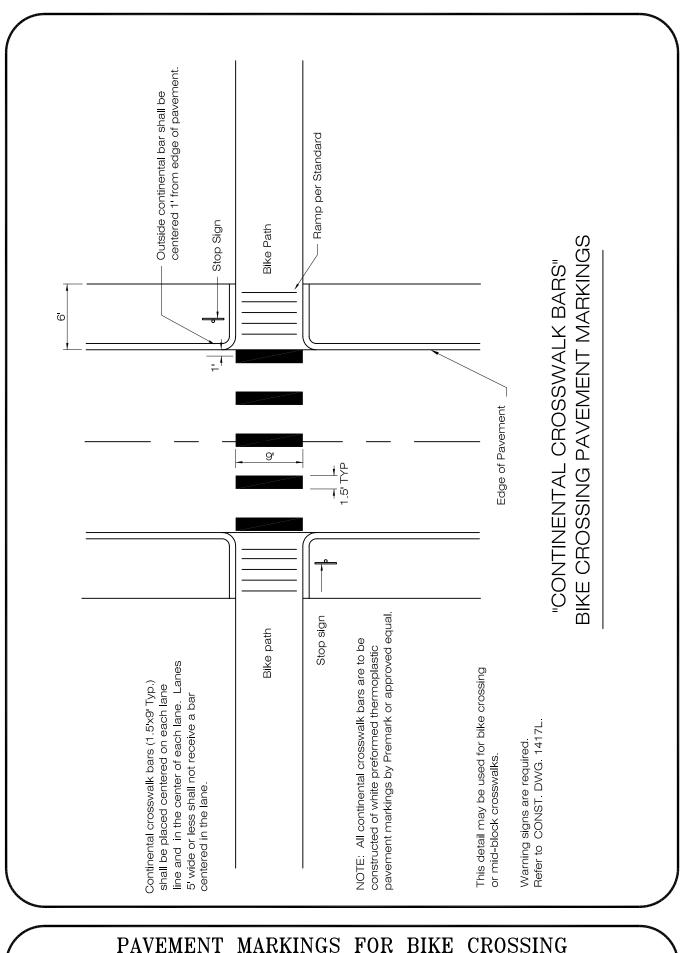
CONSTRUCTION DRAWINGS

REVISION NO:

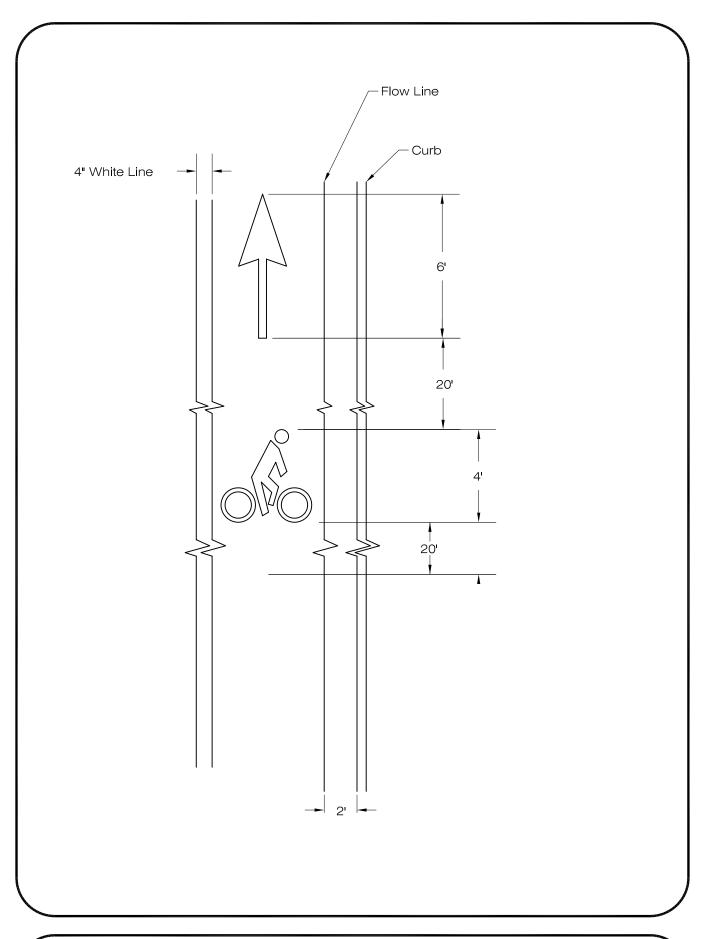
DRAWING

DATE: 07/01/21

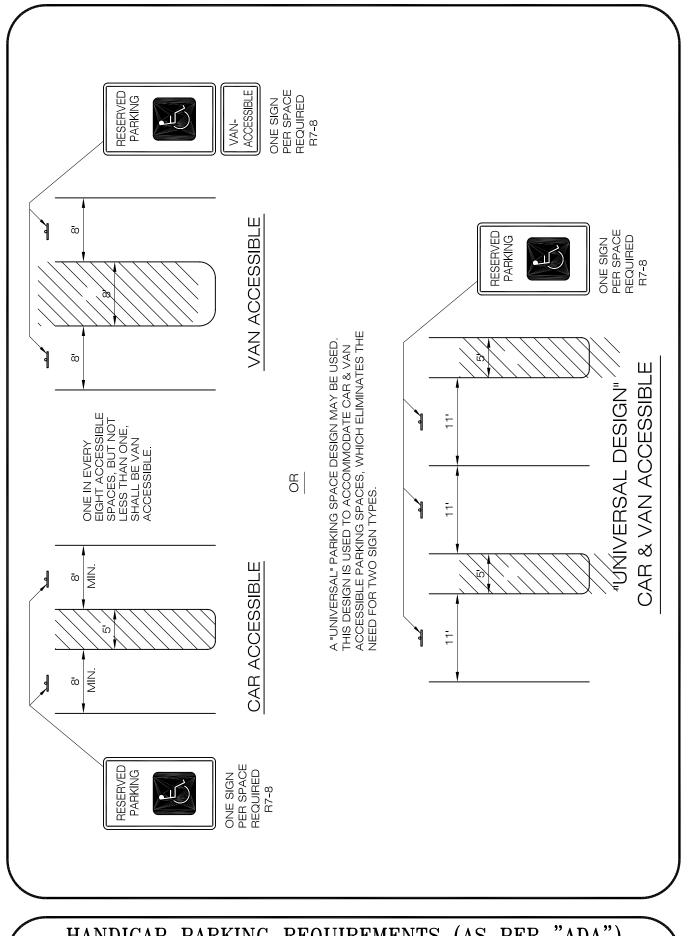
1404



| PAVEMENT                     | MARKINGS FO  | OR BIKE  | CROSSIN  | G       |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:      | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 08/07/00 | 1405    |



| TYPICAL BIC                  | YCLE LANE P  | AVEMENT    | MARKIN  | IGS     |
|------------------------------|--------------|------------|---------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION N | 0: 1    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE: 0    | 3/01/02 | 1406    |



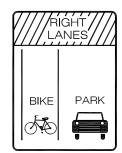
#### "ADA") HANDICAP REQUIREMENTS **PARKING** (AS PER LARIMER COUNTY **REVISION NO: DRAWING** 1 CONSTRUCTION DRAWINGS URBAN AREA 03/01/02 1407 STREET STANDARDS DATE:

## LOVELAND ONLY

The bike and parking only sign may be used in two separate applications:

- \*1. Where there is enough lane width for the painted line with a five foot wide bicycle lane and seven feet of undesignated parking lane.
- \*2. Where the bicycle lane is designated by two painted lines and eight feet of parking lane.

\*1



R3-17a Modified

12" x 18"
(Black on White)

See CONST. DWG. 1409L for detail.

- Curb

RIGHT LANES

BIKE PARK

R3-17a Modified

12" x 18"

(Black on White)

## BICYCLE AND PARKING PAVEMENT MARKINGS

5

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION DRAWINGS

REVISION NO:

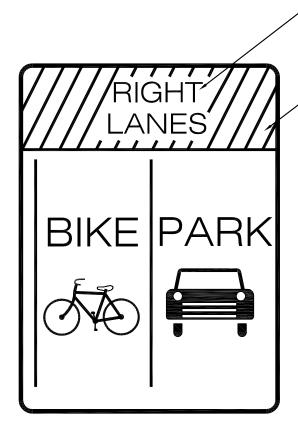
DATE:

 $\frac{\text{N0:}}{04/01/07}$ 

DRAWING

1408L

## LOVELAND ONLY

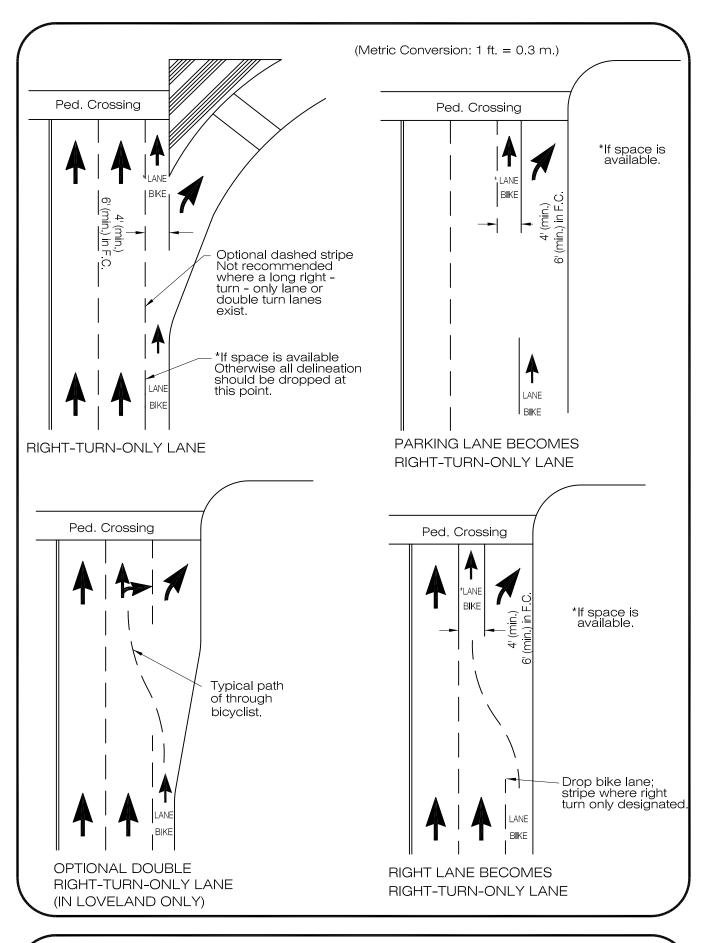


- Black Background

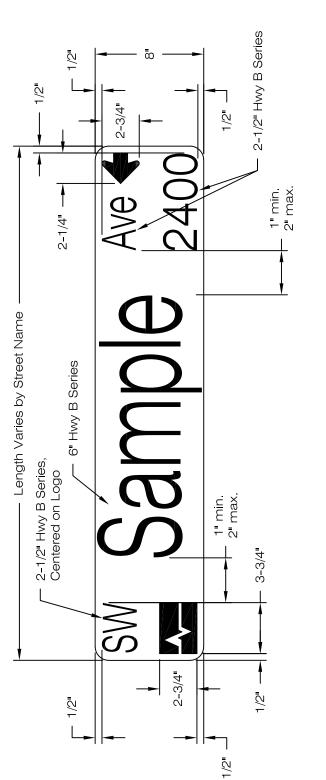
→ White letters

R 3-17a Modified 12" x 18" (Black on White)

| BIC                          | CYCLE / PAR  | KING SI  | GN       |           |
|------------------------------|--------------|----------|----------|-----------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | No: 1    | DRAWING   |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 04/01/07 | ☐ 1409L ✓ |



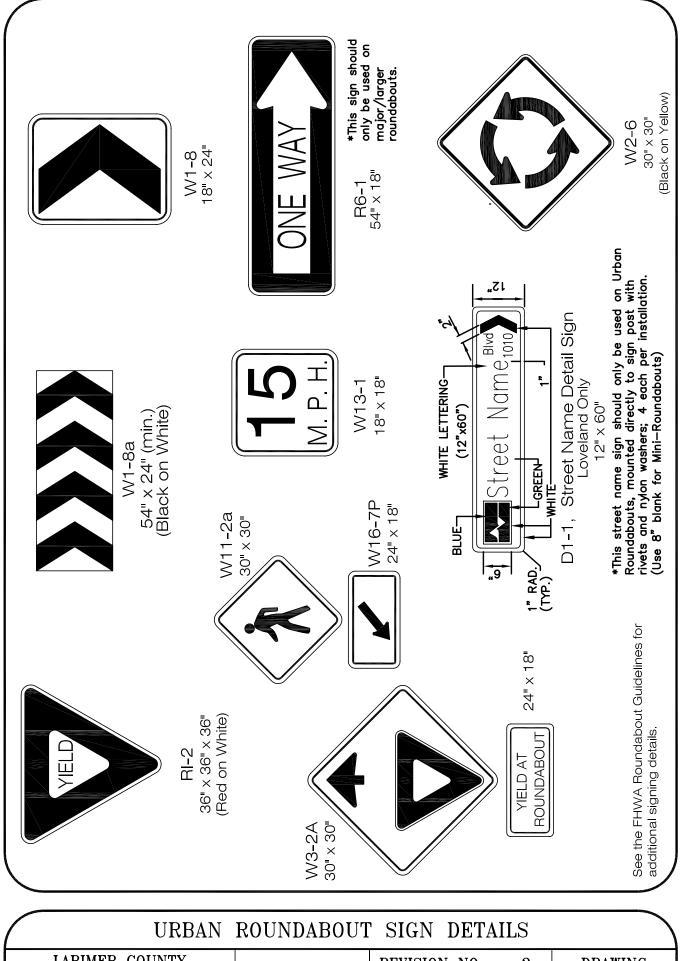
| BICYCLE LANE APP             | PROACHING V  | EHICLE   | RIGHT 7  | rurn | LANE   | 1 |
|------------------------------|--------------|----------|----------|------|--------|---|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:      | D    | RAWING |   |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 08/07/00 | )    | ر 1410 |   |



## NOTES:

- 1. Street name must be 6" (min.) mixed case white letters, FHWA Series "B".
- 2. Prefix must be 2" letters, FHWA Series "B" and placed on the upper left.
- 3. Suffix must be 2" (min.) letters and block number must be 2" (min.) numbers, FHWA Series "B".
- 4. Overall sign length dimension varies according to length of street name.
- 5. All sign lettering and green background material must be at least Diamond Grade sheeting per FHWA; No silk screened signs will be permitted.
- 6. Street numbers shall always point to higher block number.
- 7. Aluminum sign blank shall be 0.10 thickness with 3/4" radius corners.
- 8. Loveland only, signalized intersection signs shall be 18" (min.) in height.
- 9. All street name signs shall be retroreflective.

|                                | STREET NAM   | E SIGN   |        |     |         |
|--------------------------------|--------------|----------|--------|-----|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION | NO:    | 3   | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 08/01/ | /21 | 1411    |



|   | URBAN                          | ROUNDABOUT   | SIGN     | DETAIL | S  |         |
|---|--------------------------------|--------------|----------|--------|----|---------|
|   | LARIMER COUNTY                 | CONSTRUCTION | REVISION | NO:    | 2  | DRAWING |
| / | URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 04/01/ | 07 | 1412    |

## LOVELAND ONLY

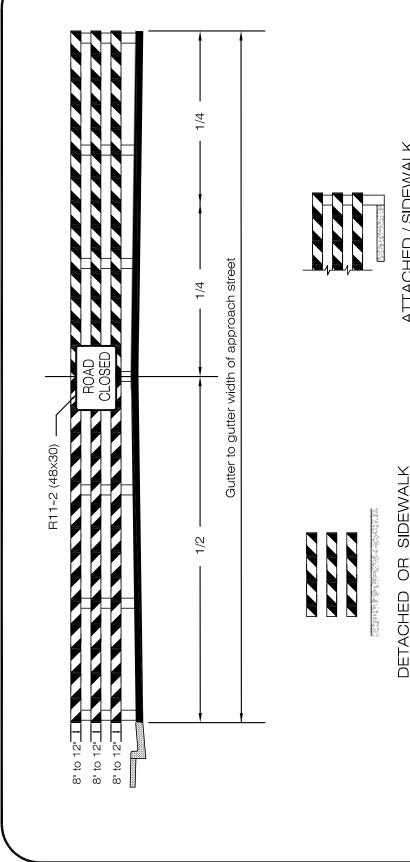


THIS ROAD WILL BE
EXTENDED WITH
FUTURE DEVELOPMENT
FOR MORE INFO CONTACT
CITY OF LOVELAND
PUBLIC WORKS DEPARTMENT
970-962-2501

#### Notes:

- 1. Sign dimensions 30"x30"
- 2. White Lettering on Green Background
- 3. For Sign Mounting, see LCUASS Drawing 1401

|   | FUTUE                        | RE ROAD EXT  | ENSION   | SIGN     |         |
|---|------------------------------|--------------|----------|----------|---------|
|   | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:      | DRAWING |
| _ | STREET STANDARDS             | DRAWINGS     | DATE:    | 08/01/21 | 1412L   |



ATTACHED / SIDEWALK ENDS AT BARRICADE

DOES NOT END AT BARRICADE

NOTES

1. Rails shall be nominal lumber dimension.

2. Posts shall be 6" x 6" pressure treated, rot-resistant lumber.

3. Use 6" wide reflectorized orange stripes on reflectorized white background, front side only, paint back and edges white.

4. Other options may be used as approved by Local Entity Engineer

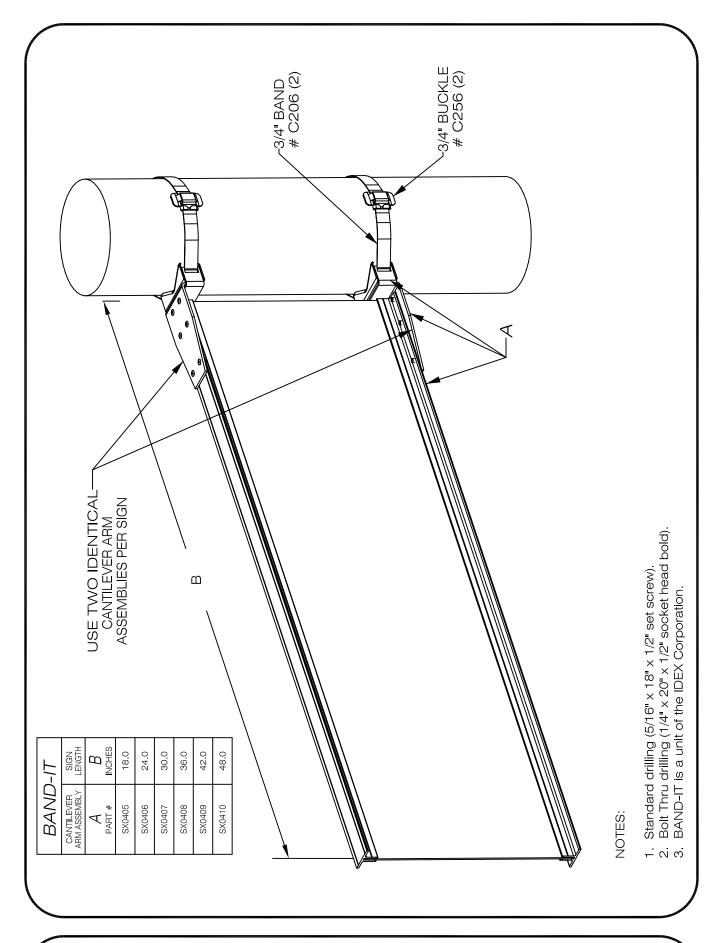
These signs and barricades must be installed by the Developer at the end of all new streets that dead end on a temporary basis, and must be maintained by the Developer until the street is extended by future development.

STANDARD TEMPORARY DEAD END BARRICADES

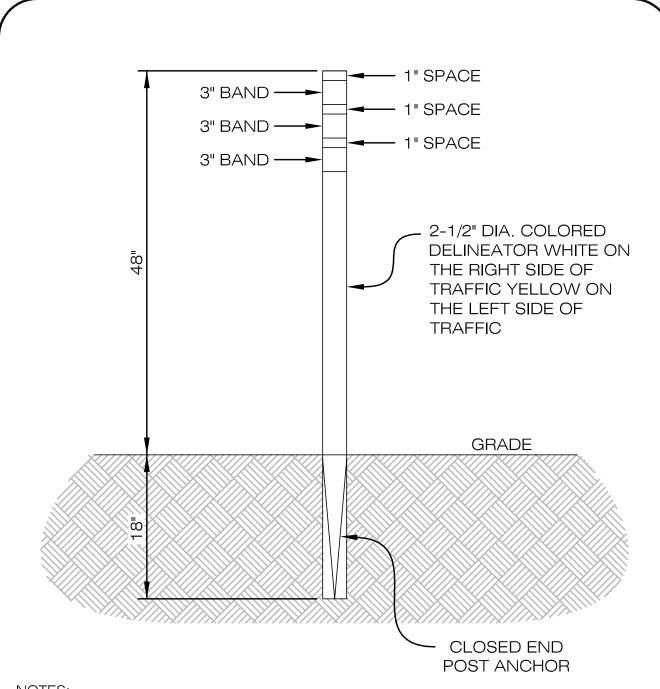
LARIMER COUNTY
URBAN AREA
STREET STANDARDS

CONSTRUCTION
DRAWINGS
DATE: 04/01/07

1413



| CANTILEVER ARM               | BRACKET | FOR    | FLAT  | OR   | EXTRUDED | BLADES  |  |
|------------------------------|---------|--------|-------|------|----------|---------|--|
| LARIMER COUNTY<br>URBAN AREA | CONSTRU | JCTION | REVIS | SION | NO:      | DRAWING |  |
| STREET STANDARDS             | DRAWI   | NGS    | DATE  | :    | 08/07/00 | 1414    |  |



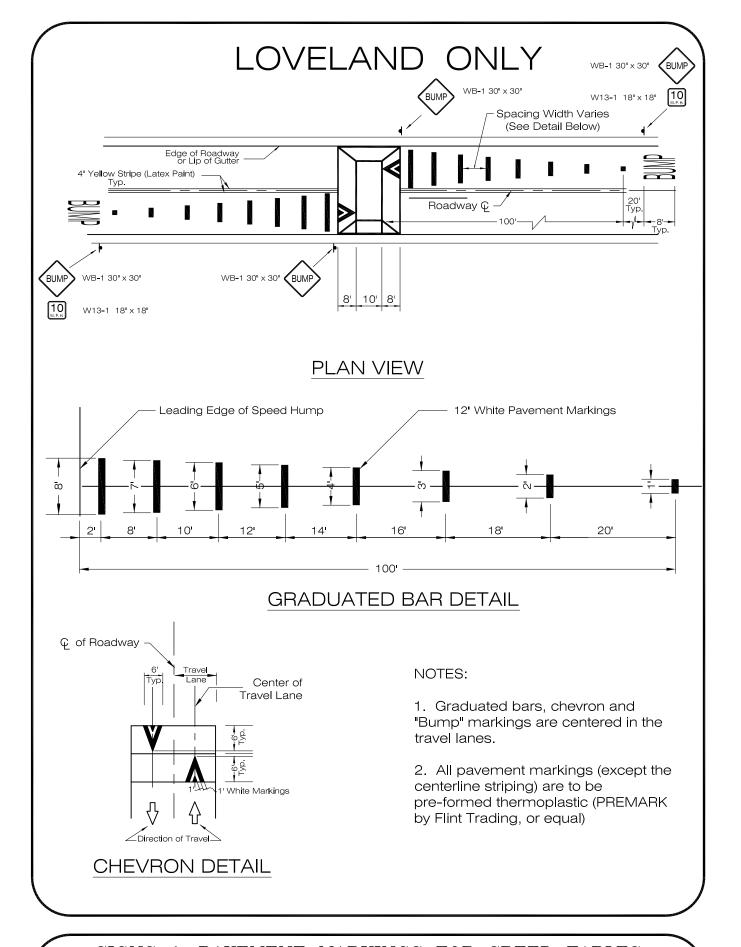
NOTES:

**DELINEATORS ARE ROUND** W/ YELLOW OR WHITE REFLECTIVE MATERIAL WRAPPED AROUND WITH THE **SAME COLOR REFLECTIVE MATERIAL (BAND)** AS THE POST (YELLOW OR WHITE). THE REFLECTIVE MATERIAL IS WRAPPED ALL THE WAY AROUND THE DELINEATORS SO THAT THEY ARE VISIBLE FROM ALL DIRECTIONS.

THE NUMBER OF REFLECTIVE BANDS ON THE DELINEATOR SHALL BE THREE.

IF ANCHOR IS LOCATED IN AN ISLAND OR PAVED MEDIAN, A 4" DIA. PVC SLEEVE SHALL BE EXTENDED THROUGH THE PAVEMENT FOR POST ANCHOR (STUB).

| DELINEATOR DETAIL (SAFE HIT) |              |          |          |         |  |  |
|------------------------------|--------------|----------|----------|---------|--|--|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | N0: 2    | DRAWING |  |  |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 04/01/07 | 1415    |  |  |



### SIGNS & PAVEMENT MARKINGS FOR SPEED TABLES

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

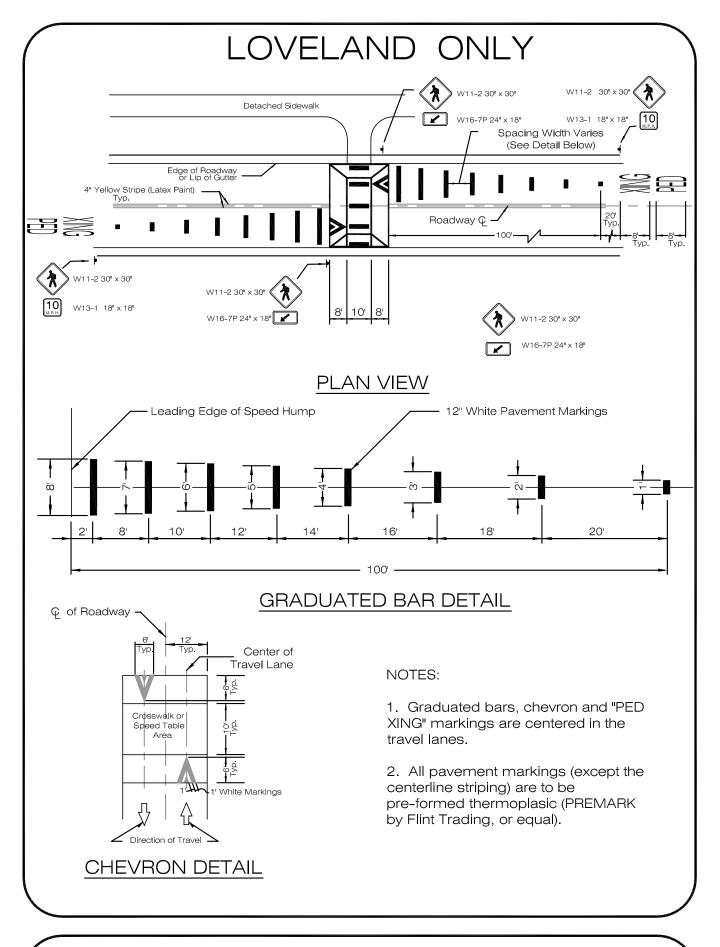
CONSTRUCTION DRAWINGS

REVISION NO:

1 DRAWING

DATE: 03/01/02

1416L



## SIGNS & PAVEMENT MARKINGS FOR RAISED CROSSINGS

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

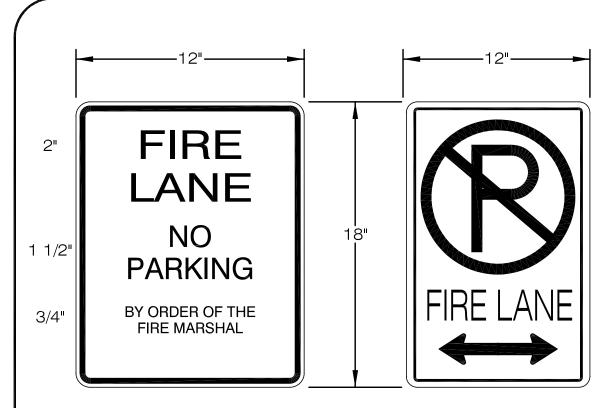
CONSTRUCTION DRAWINGS

REVISION NO:

DATE:

N0: 2 04/01/07 DRAWING

1417L



STANDARD FIRE LANE SIGN DETAIL (FORT COLLINS ONLY)

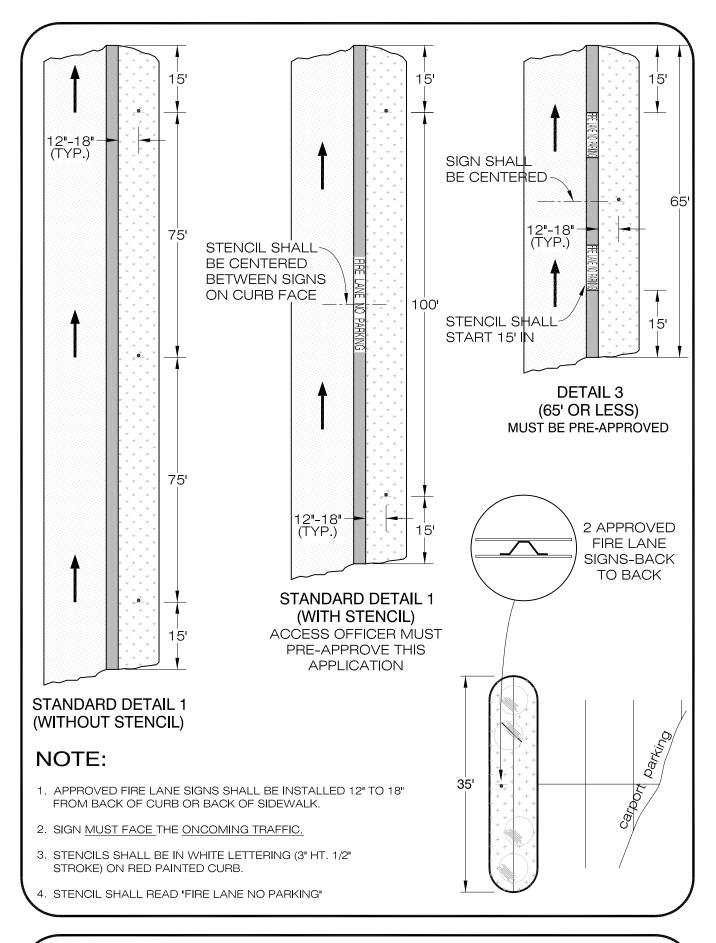
### UNIVERSAL FIRE LANE SIGN DETAIL

| COLOR SCHEDULE  |       |  |  |  |  |
|---|-------|--|--|--|--|
| LEGEND, CIRCLE DIAGONAL, BORDER, "ARROW", "FIRE LANE" | RED   |  |  |  |  |
| BACKGROUND  | WHITE |  |  |  |  |
| "P"   | BLACK |  |  |  |  |

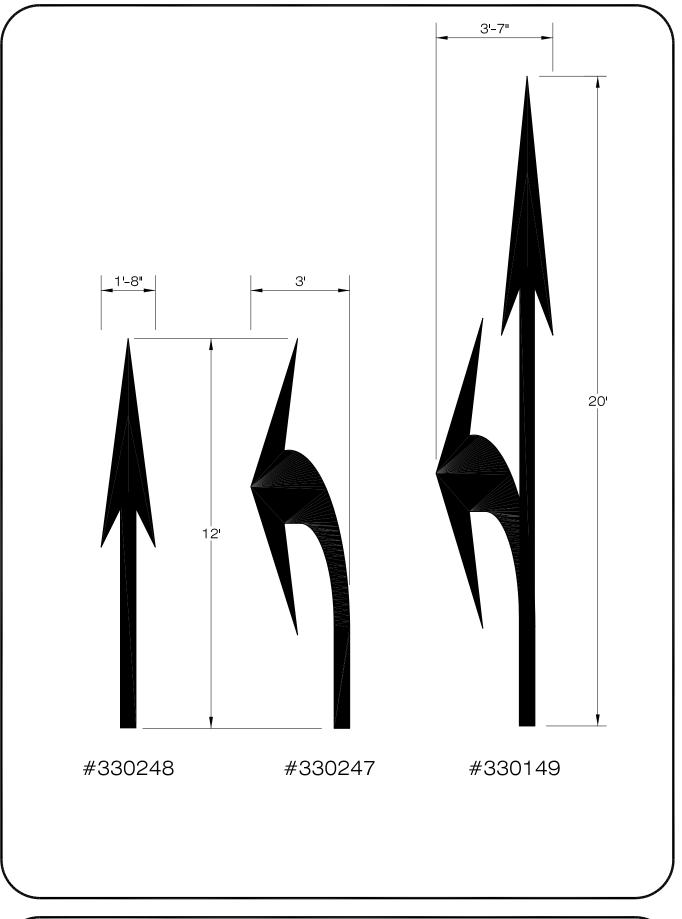
#### NOTES:

- 1. THE SIGN PLATE SHALL BE A MINIMUM OF 12"X18" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION.
- 2. THE SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH A RED LEGEND. USE THE STANDARD 3M SCOTCHLITE SIGN FACE NUMBER R7-32 OR EQUIVALENT, WITH RED LETTERING AS SHOWN ABOVE.
- 3. ARROWS MAY BE NEEDED (LEFT, RIGHT OR DOUBLE), TO DESIGNATE BEGIN AND END OF NO PARKING AREA.

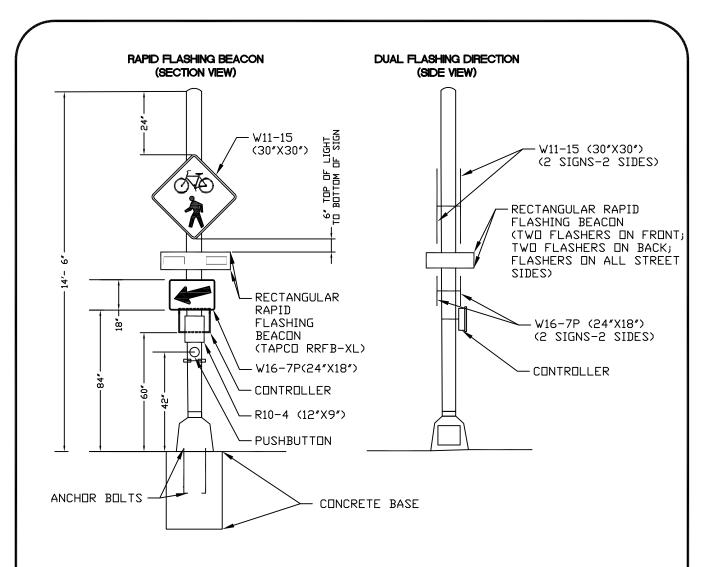
| FII                            | RE ACCESS R  | OAD SIG  | NS       |         |
|--------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION | N0: 2    | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 04/01/07 | 1418    |



| FIRE APPARATUS ACCESS        | ROAD STENCILING | 3 & FIRE LANE | SIGN IN | NSTALLATION ` |  |
|------------------------------|-----------------|---------------|---------|---------------|--|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION    | REVISION NO:  | 1       | DRAWING       |  |
| STREET STANDARDS             | DRAWINGS        | DATE: 02/     | 27/02   | 1419          |  |



| NEW F                        | HWA ARROWS   | (ELONG   | GATED)   |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO: 1    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 02/28/02 | 1420    |



#### RECTANGULAR RAPID FLASHING BEACON SPECIFICATIONS (RRFB):

- 1. MANUFACTURER: TAPCO RRFB XL (AS APPROVED BY CITY OF LOVELAND)
- 2. POWER IS TO BE PROVIDED FROM THE CLOSEST CITY OF LOVELAND STREET LIGHT POLE. COORDINATE WITH LOVELAND POWER DEPARTMENT FOR INSTALLATION.

#### SIGNS

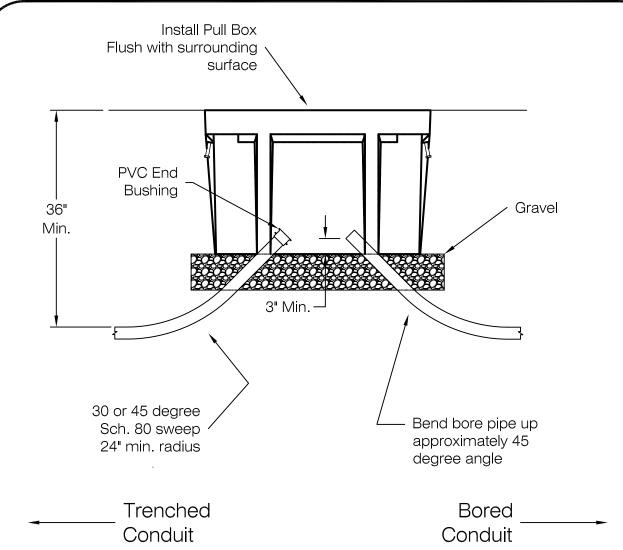
- 1. ALL SIGNS MUST BE STANDARD BLACK LETTERING ON FLUORESCENT YELLOW GREEN BACKGROUND.
- 2. SIGN ORIENTATION IS REVERSED FOR PLACEMENT ON LEFT SIDE OF ROAD.

#### POLE SPECIFICATIONS:

- 1. PEDESTAL POLE W/DOME POLE CAP 14' X4.5" ROUND SCHEDULE 80 (.438 INCHES SPUN ALUMINUM)
- 2. PEDESTAL POLE ALUMINUM SQUARE BASE WITH ALUMINUM DOOR
- 3. PELCO BRAND PEDESTRIAN POLE COLLARS PART # PB5325
- 4. PELCO PEDESTRIAN POLE CAP, ALUMINUM PART # PB S402
- 5. PEDESTRIAN PUSH BUTTON BLACK POLARA PART # PBF5X7-B
- 6. PEDESTRIAN PUSH BUTTON SIGN POLARA PART NUMBER PN5X7A REVERSIBLE OR EQUAL
- 7. PEDESTRIAN PEDESTAL POLE CONCRETE FOUNDATION PER CDOT STANDARDS (S-614-14)
- 8. PROVIDE 2 2INCH CONDUITS (1 FOR POWER AND 1 FOR COMMUNICATIONS)

NOT TO SCALE

## RECTANGULAR RAPID FLASHING BEACON (RRFB) LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS REVISION NO: 4 DATE: 08/01/21 1421

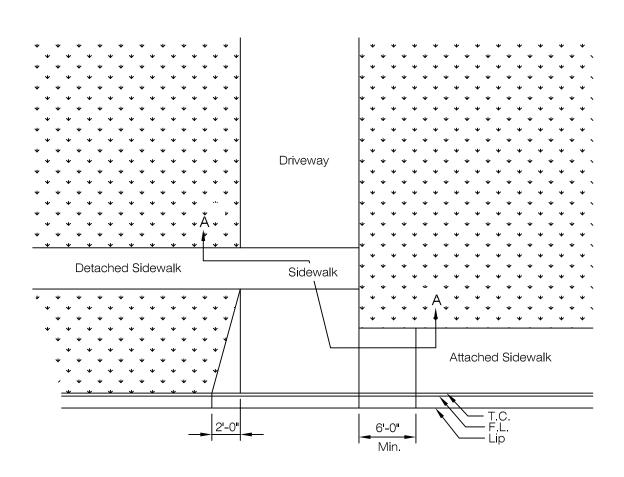


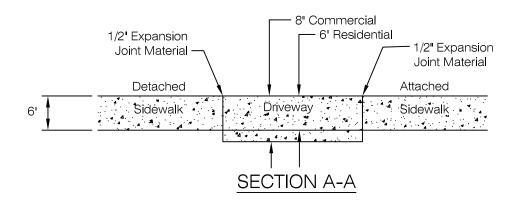
#### Notes:

- 1. Number, size, orientation, and installation method of conduits as per plans.
- 2. All pull boxes shall be Tier 22.
- 3. Pull boxes at designated fiber optic splice points shall be 30x48x24. All other fiber optic pull boxes shall be 24x36x24.
- 4. Bored conduit shall be continuous UL Listed HDPE smooth wall conduit designed for directional boring.
- 5. Trenched conduit shall be UL Listed Schedule 80 PVC with glued joints.
- 6. All fittings on PVC conduit shall be glued.
- 7. All conduit shall be provided with 1250 lbs polyester pull tape and #14 AWG THHN Stranded Copper locating wire (Green). Provide additional cabling as per plans.
- 8. Lids for polymer concrete pull boxes shall be 2 piece and have the word "TRAFFIC" cast into the surface.
- 9. Plastic pull boxes approved by Pulse are acceptable when fitted with "Traffic" labels.
- 10. Install ground rods in all pull boxes in accordance with current NEC.

NOT TO SCALE

## CONDUIT AND PULL BOXES FOR FIBER OPTIC LINES LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS REVISION NO: DATE: 08/01/21 1422





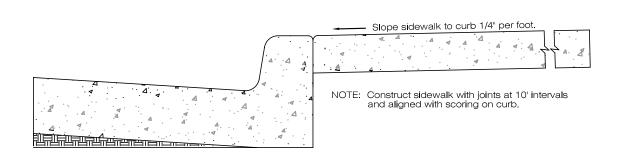
All Sidewalk Thickness Shall Be 6" minimum.

#### NOTE:

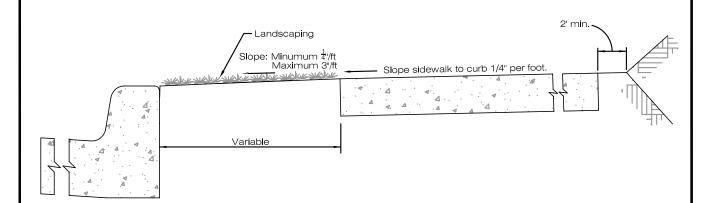
- 1. Sidewalk grade shall remain consistent across driveway
- 2. For driveway design requirements, see CONST. DWG. Series 706 & 707
- 3. This detail applies to Residential & Commercial driveways.

NOT TO SCALE

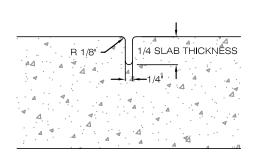
# STANDARD SIDEWALK LARIMER COUNTY URBAN AREA STREET STANDARDS CONSTRUCTION DRAWINGS DATE: 02/17/15 DRAWING



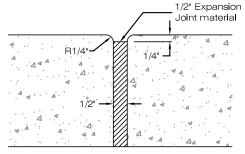
#### ATTACHED SIDEWALK DETAIL



### DETACHED SIDEWALK DETAIL



WEAKENED PLANE JOINT



INSTALL IN LOCATIONS SPECIFIED IN CHAPTER 22

**EXPANSION JOINT** 

| SIDEWALK DET |
|--------------|
|--------------|

LARIMER COUNTY URBAN AREA STREET STANDARDS

CONSTRUCTION DRAWINGS

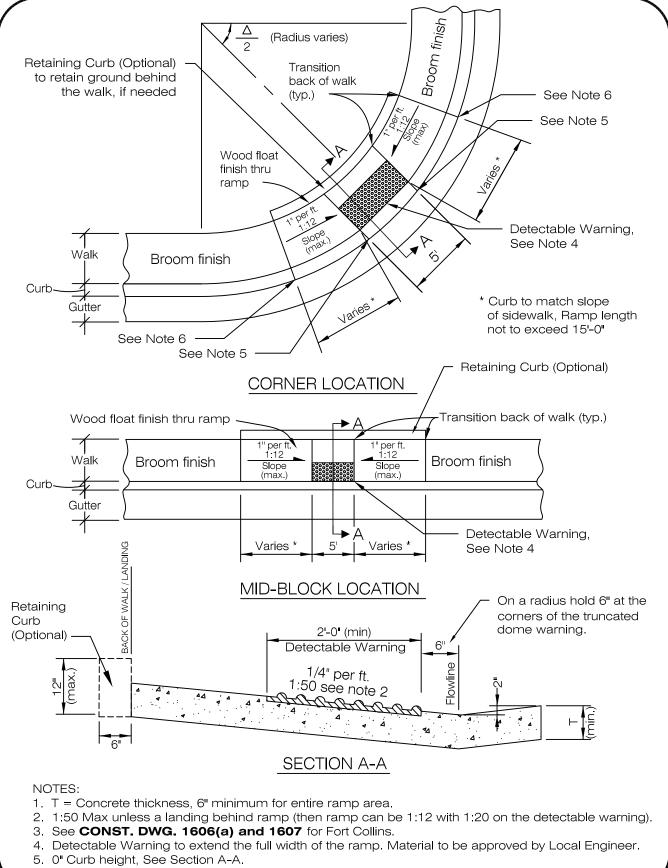
REVISION NO:

2

DRAWING

DATE: 04/01/07

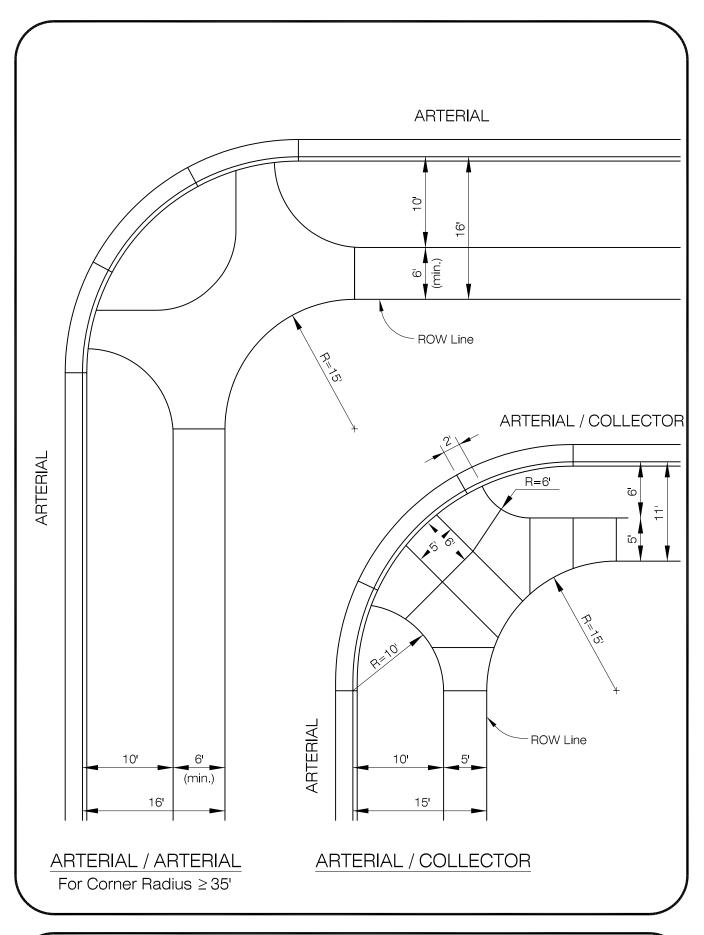
1602



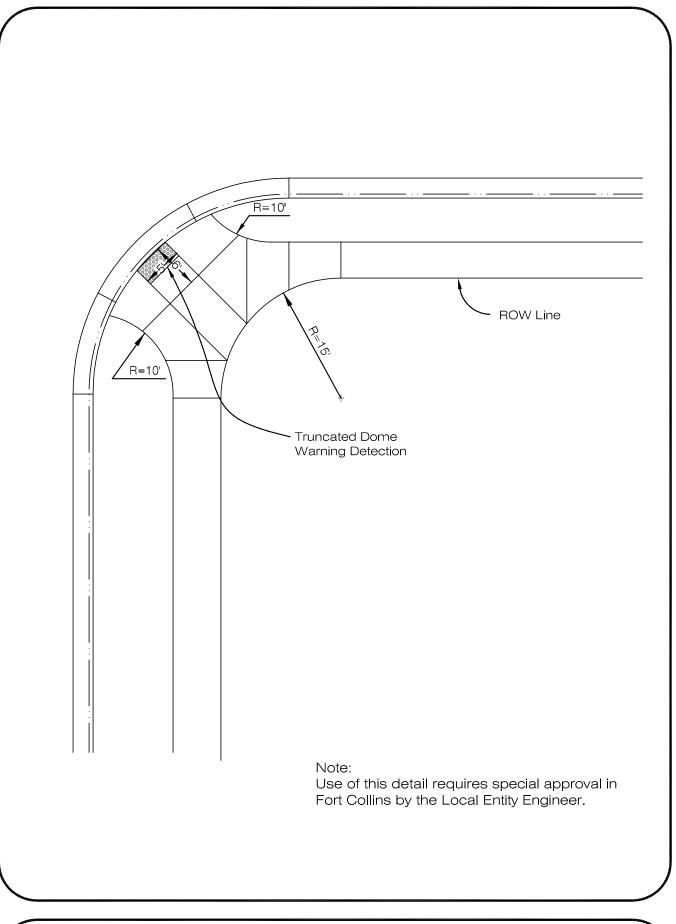
6. Standard Curb and Gutter Section, See Standard Drawing 701.

NOT TO SCALE

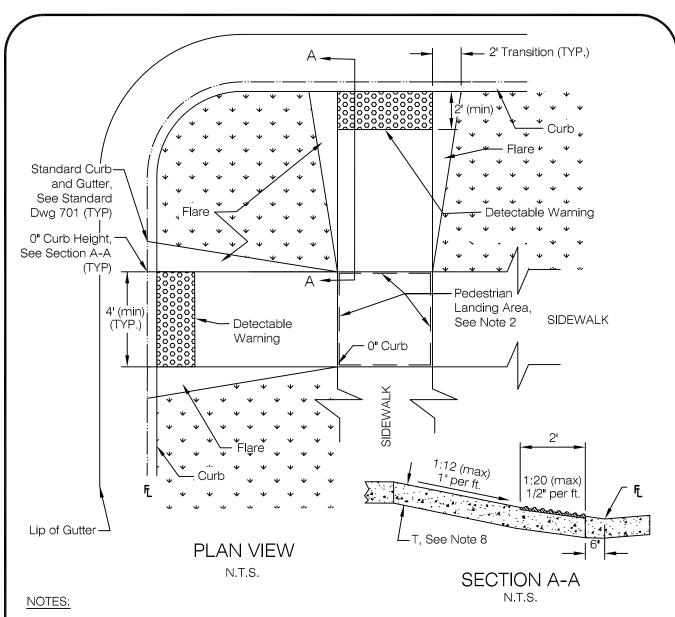
|                                | ACCESS RAMP  | DETAILS    |         |         |
|--------------------------------|--------------|------------|---------|---------|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION N | 0: 2    | DRAWING |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE: 0    | 2/17/15 | 1603    |



| DETACHED                     | WALK / INT   | ERSECTION D  | ETAIL     |
|------------------------------|--------------|--------------|-----------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO: | DRAWING   |
| STREET STANDARDS             | DRAWINGS     | DATE: 08/07  | 7/00 1604 |



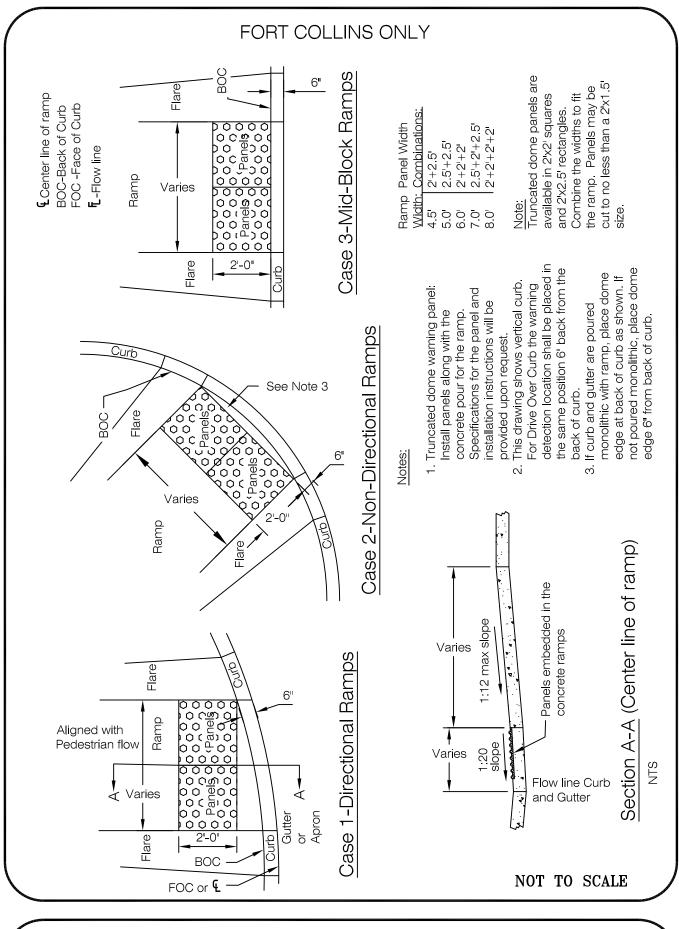
| DETACHED                     | WALK / INT   | ERSECTIO   | N DETAI  | $\Gamma$ |
|------------------------------|--------------|------------|----------|----------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION N | NO: 2    | DRAWING  |
| STREET STANDARDS             | DRAWINGS     | DATE: 0    | 04/01/07 | 1605     |



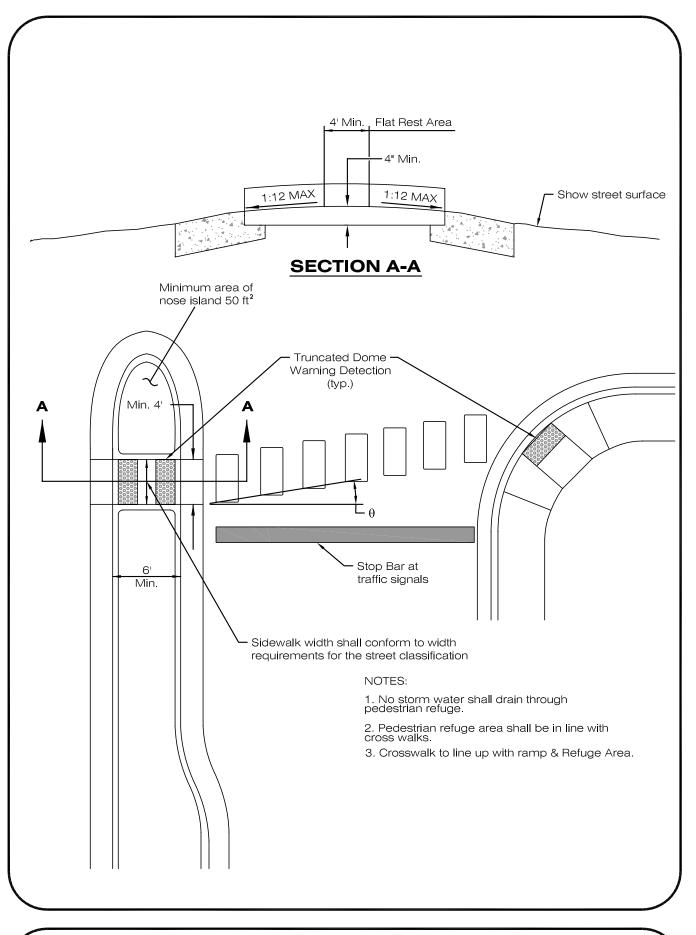
- 1. No joints are allowed in the flowline. Six inch wide curb or "dummy joint" may be tooled no closer than 6 inches from flow line as shown.
- 2. Pedestrian landing area required 4 ft length x 4 ft width, max slope in any direction is 1:50 or  $\frac{1}{2}$ " per foot.
- 3. Joint pattern to be according to intersection gutter detail or as determined by the local entity.
- 4. Wood float finish is required over the sloped surface of ramp and flares.
- 5. Minimum ramp width shall be four feet, or the same as the widest adjacent sidewalk, whichever is greater, up to a maximum width of 8 feet.
- 6. Detectable warning is to extend full width of the ramp and be a minimum of 2.0' in the direction of travel. Material to be approved by local engineer
- 7. T = Concrete thickness, 6" minimum for entire ramp area.

NOT TO SCALE

| 1   | DIRECTIONAL ACCES            | S RAMP DET.  | AIL &   | DETACHED | SIDEWALK |
|-----|------------------------------|--------------|---------|----------|----------|
| 200 | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISIO | ON NO: 2 | DRAWING  |
| 1   | STREET STANDARDS             | DRAWINGS     | DATE:   | 08/01/21 | 1606     |

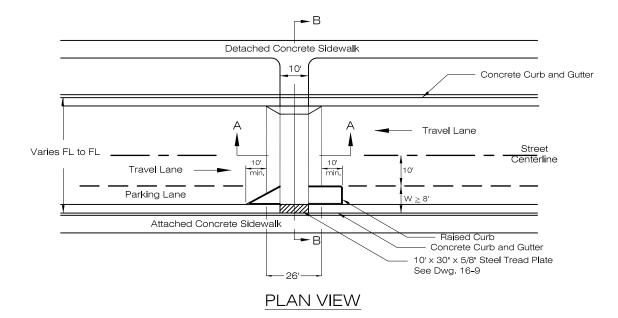


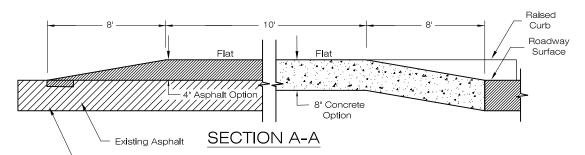
|  | TRUNCATED  | DOM | E WARNING  | G FOR   | ACCESS | RA | AMPS )  |
|--|--|-----|------------|---------|--------|----|---------|
|  | LARIMER COUNTY<br>URBAN AREA<br>STREET STANDARDS | СО  | NSTRUCTION | REVISIO | N NO:  | 3  | DRAWING |
|  |  |     | DRAWINGS   | DATE:   | 02/17/ | 15 | 1607    |



| MEDIAN ISLANDS & PEDESTRIAN REFUGE AREA          |                       |          |          |         |  |  |
|--|-----------------------|----------|----------|---------|--|--|
| LARIMER COUNTY<br>URBAN AREA<br>STREET STANDARDS | CONSTRUCTION DRAWINGS | REVISION | NO: 2    | DRAWING |  |  |
|  |                       | DATE:    | 04/01/07 | 1608    |  |  |

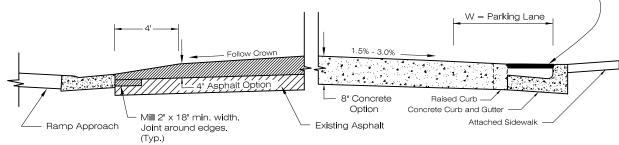
## LOVELAND ONLY





Mill 2" x 18" min. width. Joint around edges. (Typ.)

5/8" Steel Tread Plate See Dwg. 16-9



#### NOTES:

- 1. Contractor to use tack coat on all contact surfaces.
- 2. Speed Hump shall follow crown of road with constant thickness of 4".
- 3. Ramp or elevated approaches may be used.

## SECTION B-B Curb Options

- 4. Speed Humps are not allowed on major collector or arterial roadways.
- 5. See Dwgs 14-19 and 14-16 for signing and marking requirements.
- 6. Asphalt or concrete may be used for raised pedestrian crossings with ramp approach. Concrete only shall be used for elevated approach.

### RAISED PEDESTRIAN CROSSING / SPEED TABLE

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

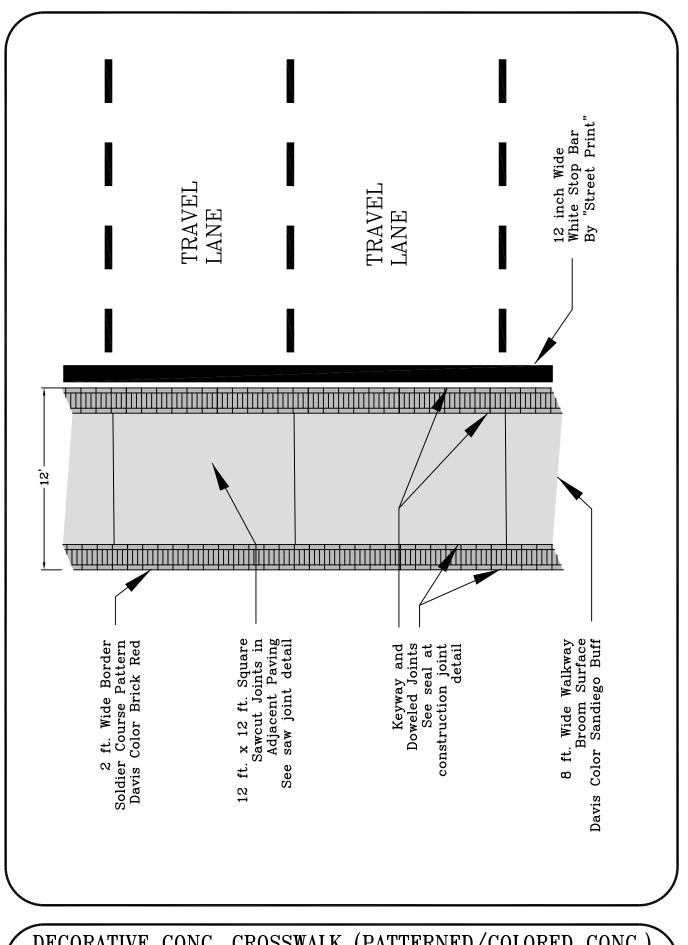
CONSTRUCTION DRAWINGS

REVISION NO:

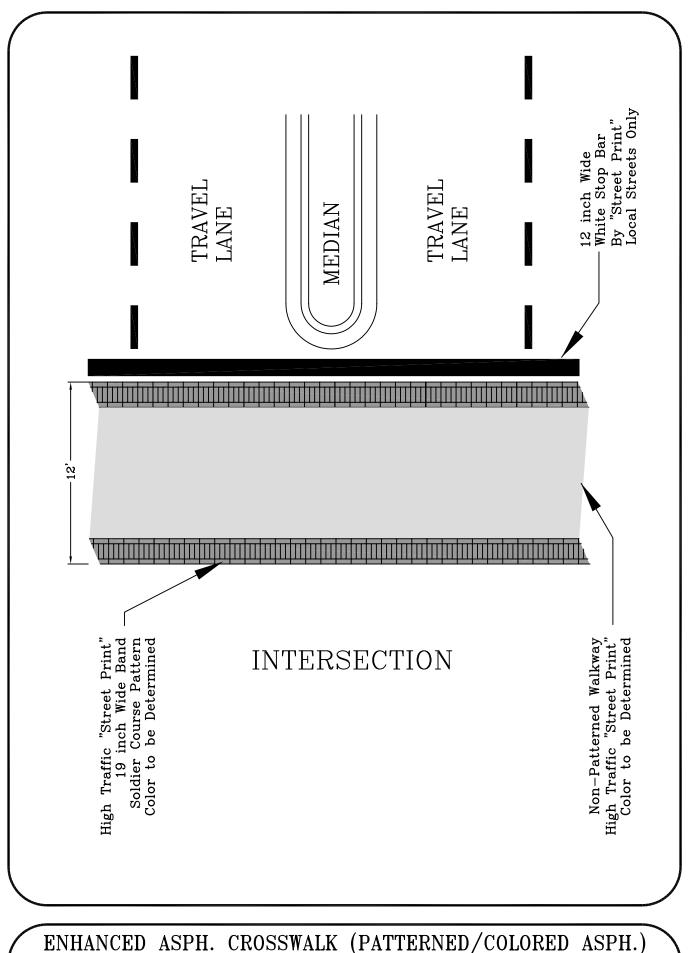
DRAWING

DATE: 01/26/01

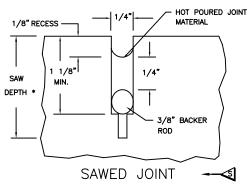
1609L



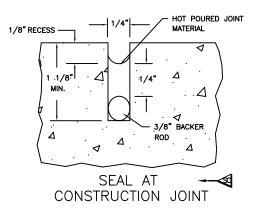
|           | DECORATIVE CONC. | CROSSWALK (F          | 'ATTERN      | NED/COLORI | ED CONC.) |
|-----------|------------------|-----------------------|--------------|------------|-----------|
| URBAN ARI | LARIMER COUNTY   | CONSTRUCTION DRAWINGS | REVISION NO: |            | DRAWING   |
|           | STREET STANDARDS |                       | DATE:        | 11/08/00   | 1610 /    |

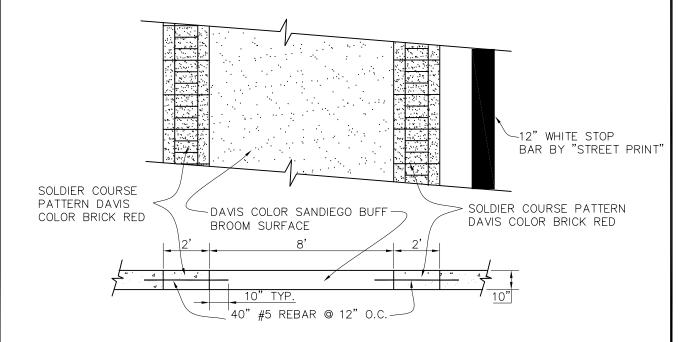


| ENHANCED ASPH.               | CROSSWALK (P. | ATTERNI  | ED/COLORE | D ASPH.) |
|------------------------------|---------------|----------|-----------|----------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION  | REVISION | NO:       | DRAWING  |
| STREET STANDARDS             | DRAWINGS      | DATE:    | 11/07/00  | 1611 /   |



\* LONGITUDINAL JOINT, T/3 TRANSVERSE JOINT, T/4





## TYPICAL CROSSWALK DETAIL

N.T.S.

### ENHANCED CONCRETE CROSSWALK (CONSTRUCTION DETAIL)

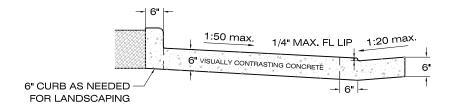
LARIMER COUNTY
URBAN AREA
STREET STANDARDS

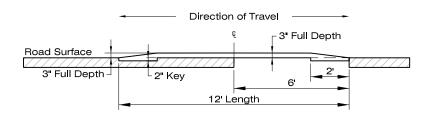
CONSTRUCTION DRAWINGS

REVISION NO:

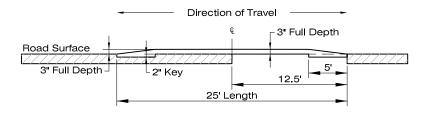
DRAWING

DATE: 11/08/00 | 1612

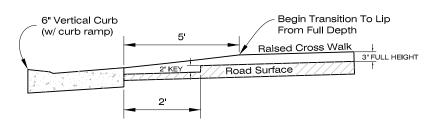




# SPEED TABLE CROSS-SECTION N.T.S.

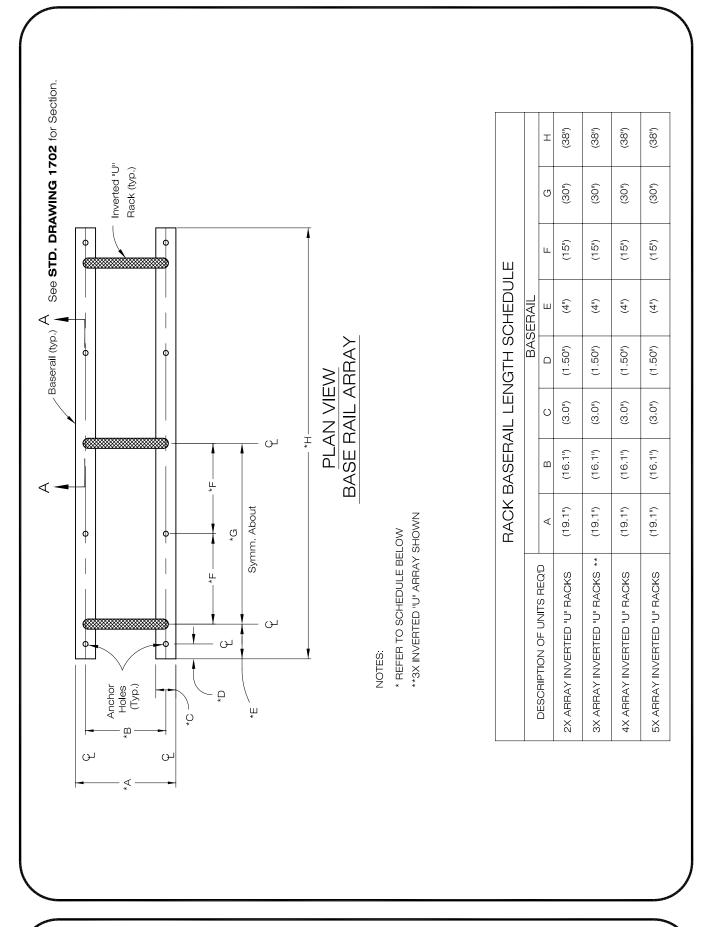


# RAISED CROSS WALK CROSS-SECTION N.T.S.

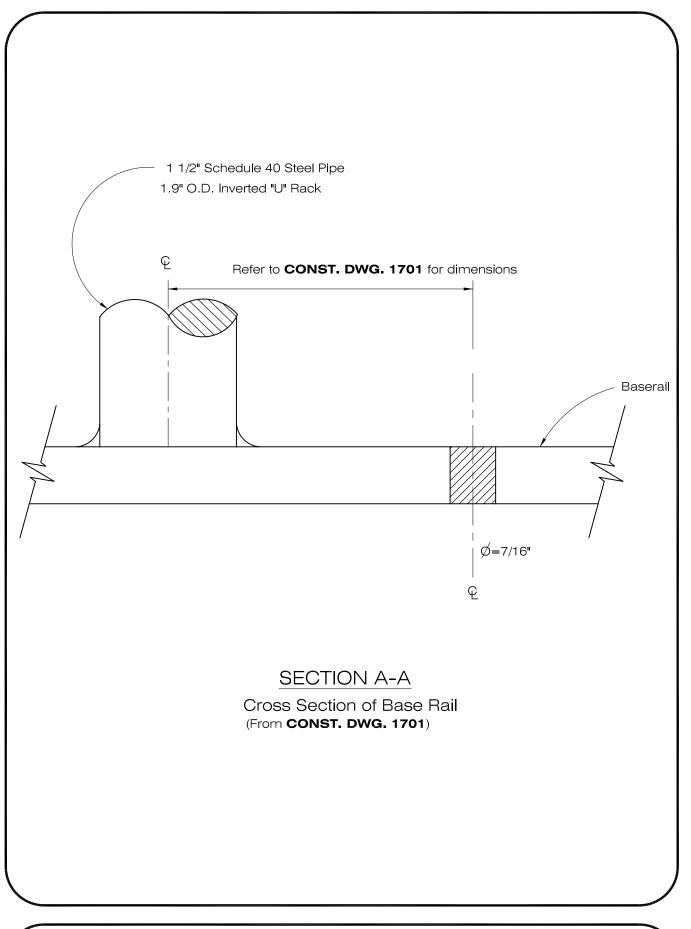


# EDGE TAPER CROSS-SECTION N.T.S.

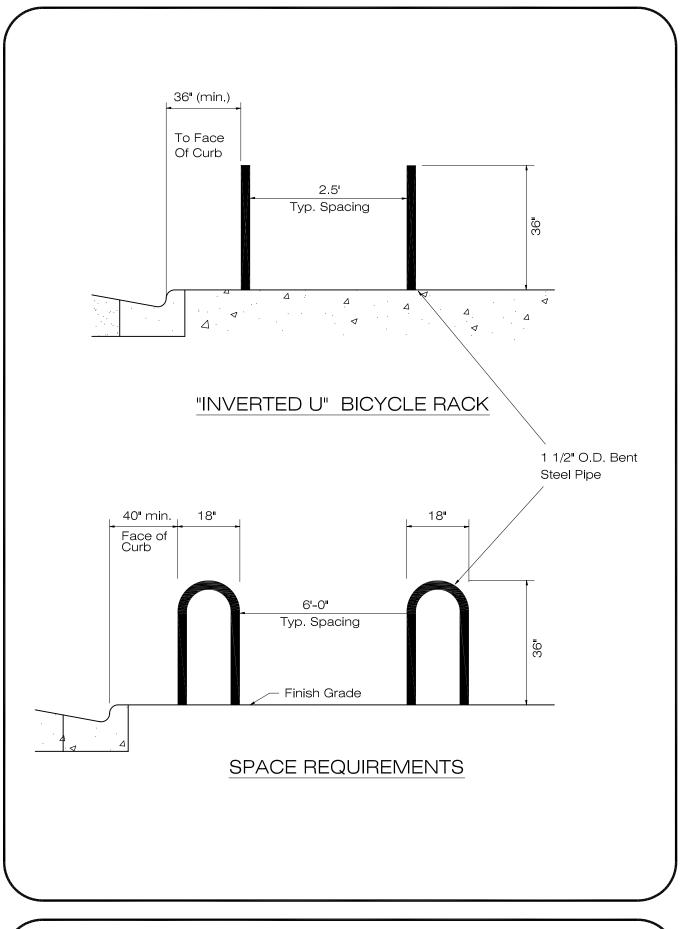
|  | RAISED CROS  | S WALK       |          |         |
|--|--------------|--------------|----------|---------|
| LARIMER COUNTY URBAN AREA STREET STANDARDS | CONSTRUCTION | REVISION NO: |          | DRAWING |
|  | DRAWINGS     | DATE:        | 04/16/02 | 1613    |



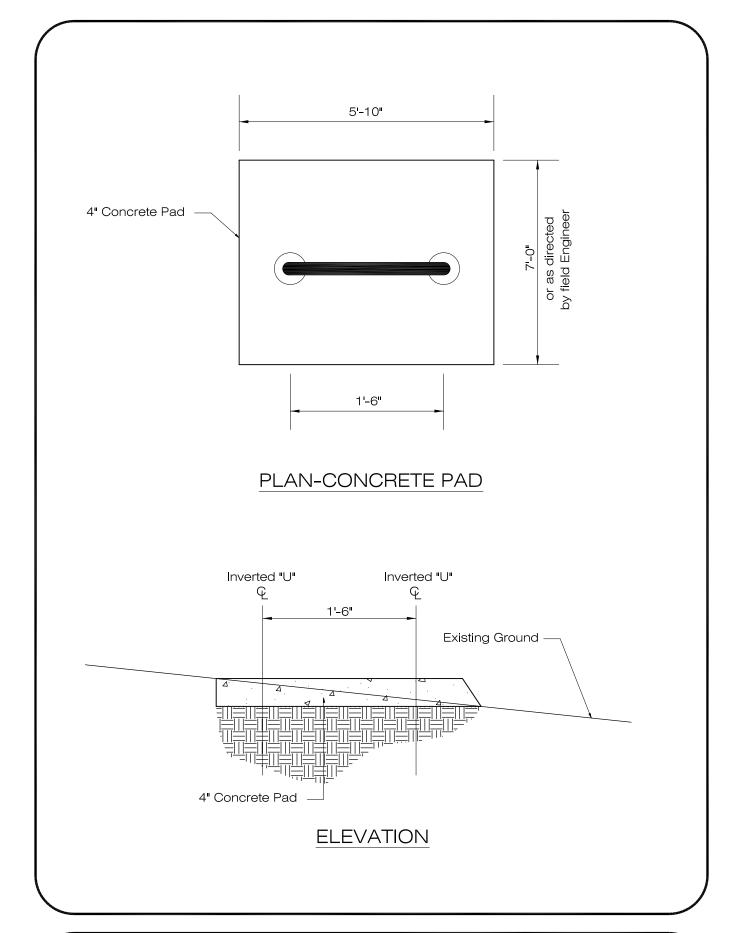
| , | В                            | ICYCLE RACK  | DETAILS      | $\mathbf{S}$ |         |
|---|------------------------------|--------------|--------------|--------------|---------|
|   | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO: |              | DRAWING |
|   | STREET STANDARDS             | DRAWINGS     | DATE:        | 08/07/00     | 1701    |



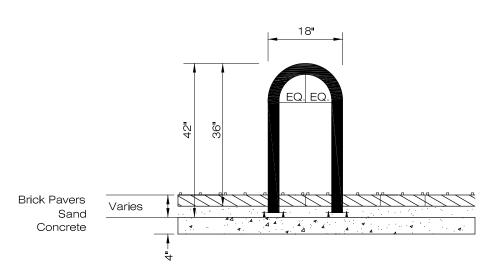
| I                            | BICYCLE RACK | DETAILS      | S        |         |
|------------------------------|--------------|--------------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO: |          | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:        | 08/07/00 | 1702    |



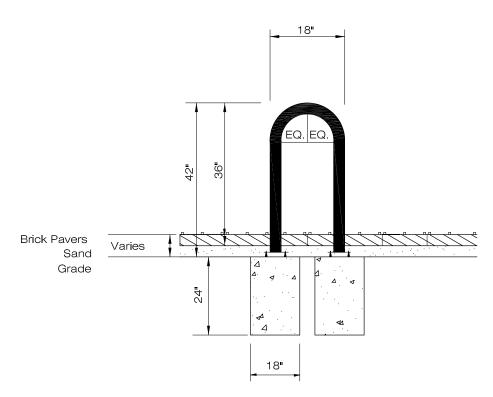
| ]                            | BICYCLE RACK | DETAILS  | $\mathbf{S}$ |         |
|------------------------------|--------------|----------|--------------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO: 1        | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 03/01/02     | 1703    |



| BICYCLE                      | RACK FOUN    | DATION       | DETAILS  |         |
|------------------------------|--------------|--------------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO: |          | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:        | 08/07/00 | 1704    |



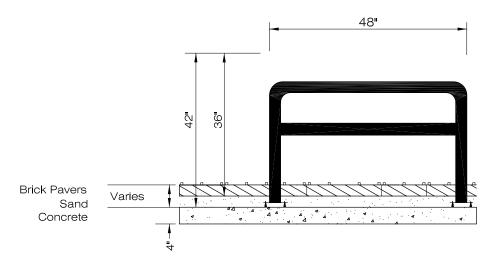
### 42" BICYCLE RACK IN EXISTING BRICK PAVERS SET IN SAND ON CONCRETE



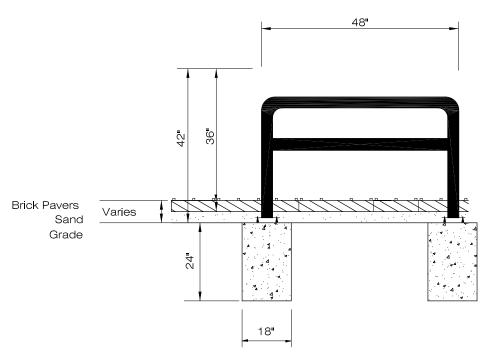
42" BICYCLE RACK IN EXISTING BRICK PAVERS SET IN SAND ON GRADE

|   | I                            | BICYCLE RACK | DETAIL       | S        |         |
|---|------------------------------|--------------|--------------|----------|---------|
| 8 | LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION NO: |          | DRAWING |
|   | STREET STANDARDS             | DRAWINGS     | DATE:        | 08/07/00 | 1705    |

# FORT COLLINS ONLY

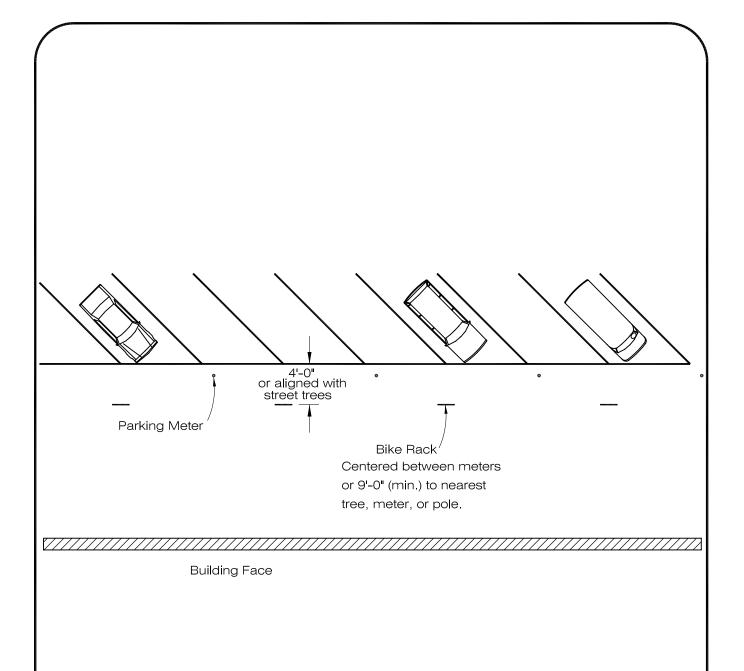


# 42" BICYCLE RACK IN EXISTING BRICK PAVERS SET IN SAND ON CONCRETE



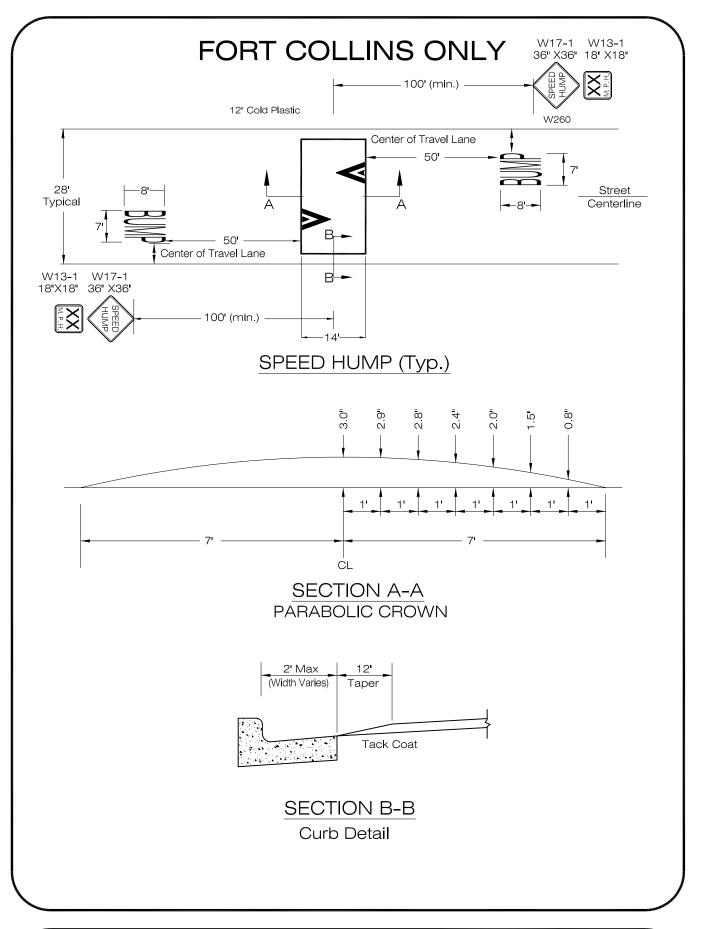
42" BICYCLE RACK IN EXISTING BRICK PAVERS SET IN SAND ON GRADE

|  | F  | BICYCLE RACK | DETAILS      | S        |         |
|--|--|--------------|--------------|----------|---------|
|  | LARIMER COUNTY<br>URBAN AREA<br>STREET STANDARDS | CONSTRUCTION | REVISION NO: |          | DRAWING |
|  |  | DRAWINGS     | DATE:        | 08/07/00 | 1706F   |

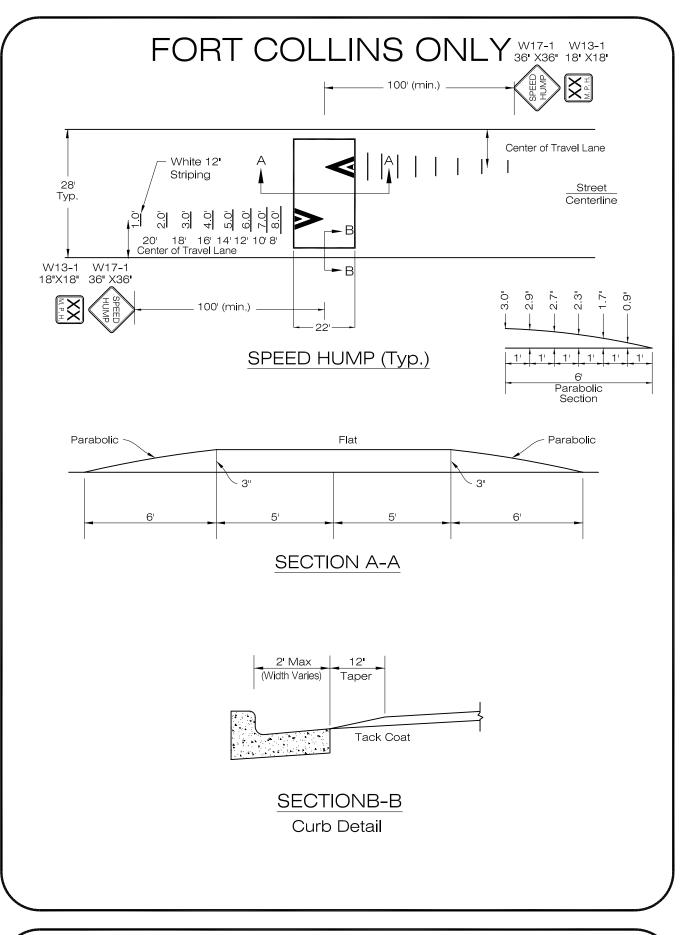


# INVERTED U RACKS PLACEMENT ALONG CURBLINE WITH DIAGONAL PARKING

| I                            | BICYCLE RACK | DETAIL   | S        |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | NO:      | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 08/07/00 | 1707    |



| 14' LOCAL SPEED HUMP           |              |          |          |         |  |  |
|--------------------------------|--------------|----------|----------|---------|--|--|
| LARIMER COUNTY                 | CONSTRUCTION | REVISION | N0: 1    | DRAWING |  |  |
| URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 03/01/02 | 1801F   |  |  |



|                              | 22' SPEED    | HUMP     |          |         |
|------------------------------|--------------|----------|----------|---------|
| LARIMER COUNTY<br>URBAN AREA | CONSTRUCTION | REVISION | N0: 1    | DRAWING |
| STREET STANDARDS             | DRAWINGS     | DATE:    | 03/01/02 | 1802F   |

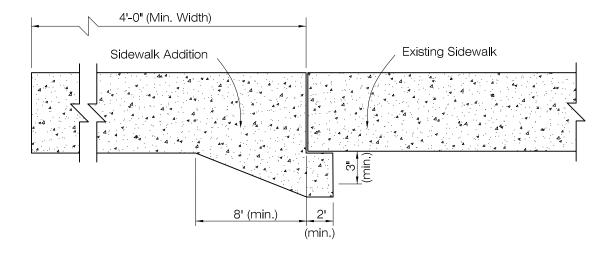
THE THICKNESS OF THE ASPHALT PATCH SHALL BE ONE-INCH THICKER THAN THE EXISTING ASPHALT THICKNESS WITH A MINIMUM ASPHALT THICKNESS PER TABLE 25-1 OF CHAPTER 25. If this section is less than 5' of existing asphalt/concrete, it must be removed and replaced. (min.) Overlay 2 (min.) Pavement Thickness Trench Width New Asphalt/Concrete Varies Existing Road Base Compacted Edge of Pavement or Lifts of Suitable Lip of Existing Gutter Materials 6" Max. Compacted Lift Thickness if Flowable Fill 12" (Water & Sewer) Not Required (See Note 9 below for Storm.) 4" (min.) 6" (max.) - Utility Conduit **Bedding Material** Undisturbed Soil

FULL DEPTH ASPHALT PATCH:

#### NOTES:

- 1. All trenches shall be backfilled in accordance with the above detail unless otherwise specified by the Local Entity Engineer.
- 2. Prior to placement of asphalt/concrete, pavement edge shall be saw cut to a clean, vertical, and straight edge & outside of the wheel path.
- 3. Where the surrounding soils are non-expansive, a flowable fill may be substituted for backfill material.
- 4. Trench width shall not be more than 16" nor less than 12" wider than the outside diameter of the pipe.
- 5. Use a 18" long #4 epoxy rebar at 18" on centers along the perimeter of concrete panel replacement sections.
- 6. Refer to **Chapter 22, Materials & Construction Specifications** for compaction and testing requirements.
- 7. In unimproved areas, all disturbed areas shall be regraded, seeded & mulched.
- 8. In concrete roadways, a minimum of one entire concrete panel must be replaced.
- 9. Bedding material depth when installing storm sewer shall be up to spring line, except in areas of unsuitable backfill; then, bedding material shall be placed to a level 12" above pipe.

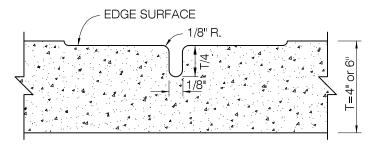
| TRENCH DETAIL |                                |              |          |          |         |  |
|---------------|--------------------------------|--------------|----------|----------|---------|--|
|               | LARIMER COUNTY                 | CONSTRUCTION | REVISION | NO: 1    | DRAWING |  |
|               | URBAN AREA<br>STREET STANDARDS | DRAWINGS     | DATE:    | 04/01/07 | 2201    |  |



### ADDITION TO EXISTING SIDEWALK

### NOTES:

- 1. New walk additions shall be placed to the same line and grade as the existing walk.
- 2. Match transverse tooled joints to existing tooled joints.



### TOOL JOINT FOR WALKS

### NOTES:

1. Joint shall be cut 1/4 thickness of initial concrete; tool joint for walks.

|   | SIDEWALK WIDENING DETAILS                        |                       |              |          |         |
|---|--|-----------------------|--------------|----------|---------|
| L | LARIMER COUNTY<br>URBAN AREA<br>STREET STANDARDS | CONSTRUCTION DRAWINGS | REVISION NO: |          | DRAWING |
|   |  |                       | DATE:        | 08/07/00 | 2501    |