

GRIND LIMITS DETAILS		
PAVEMENT CONDITION PCI	W	
	ACROSS TRAFFIC (PERPENDICULAR)	ALONG TRAFFIC (LONGITUDINAL)
85-100	TRENCH + 2' EACH SIDE (10' MIN)	TRENCH + 2' EACH SIDE
70<85	TRENCH + 2' EACH SIDE (5' MIN)	TRENCH + 2' EACH SIDE (8' MIN)
50<70	TRENCH + 2' EACH SIDE (5' MIN)	TRENCH + 2' EACH SIDE (5' MIN)
<50	TRENCH + 1' EACH SIDE (5' MIN)	TRENCH + 1' EACH SIDE (4' MIN)

**NOTES:**

1. GRINDING/PAVEMENT JOINT SHALL BE LOCATED ALONG GUTTER LINES, LANE LINES, OR CENTER OF LANES AND SHALL NOT BE PLACED IN WHEEL LINES.
2. ENTIRE BIKE LANE SHALL BE REPAVED WHEN TRENCHING OCCURS IN BIKE LANE AREA.
3. INTERMEDIATE BACKFILL MATERIALS SHALL BE PER STD DWG SD-6.0.

DATE 02-16-2022		NOT TO SCALE	
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01	STN	SA	02-16-2022

CITY OF ELK GROVE - PUBLIC WORKS

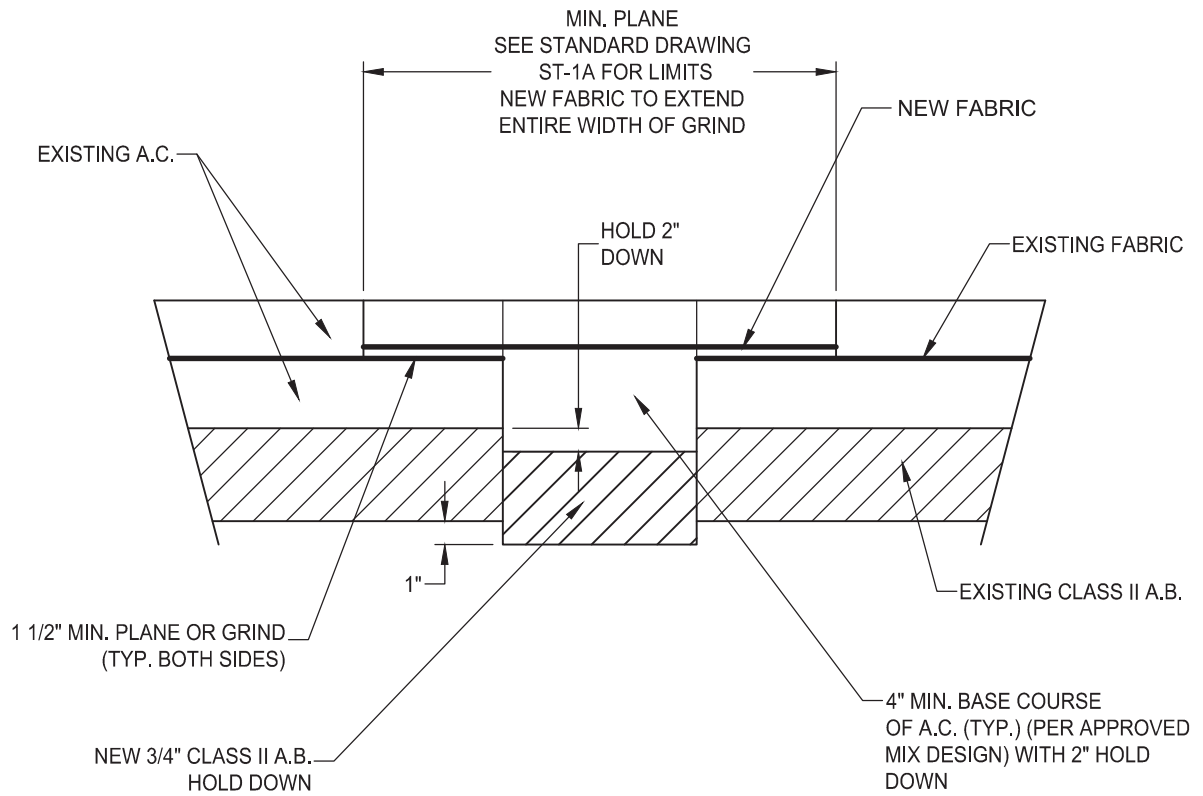
**TRENCH BACKFILLING AND  
RESURFACING**

APPROVED BY:  
*Jeffrey B. Wan* 02-16-2022  
CITY ENGINEER DATE



DRAWING NUMBER

**ST - 1A**



**NOTES:**

1. NO NATIVE MATERIAL WITHIN 24" OF AC COURSE. USE 3/4" CLASS II A.B. (RELATIVE COMPACTION = 93%), WHERE PIPE ZONE IS WITHIN 48" OF AC COURSE, 3/4" CLASS II A.B. OR CDF BACKFILL (PER CDF MIX STANDARDS) MAY BE USED.
2. ADDITIONAL GRINDING AND PAVING MAY BE REQUIRED IF WITHIN TWO (2) FEET OF A SURFACE CRACK OR A LOCATION UNSUITABLE TO PAVE AGAINST AT THE INSPECTORS DISCRETION. AT THE CONTRACTORS EXPENSE.

DATE: 09/22/2017		NOT TO SCALE	
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CITY OF ELK GROVE - PUBLIC WORKS

**TRENCH RESURFACING WHEN  
FABRIC IS REQUIRED**

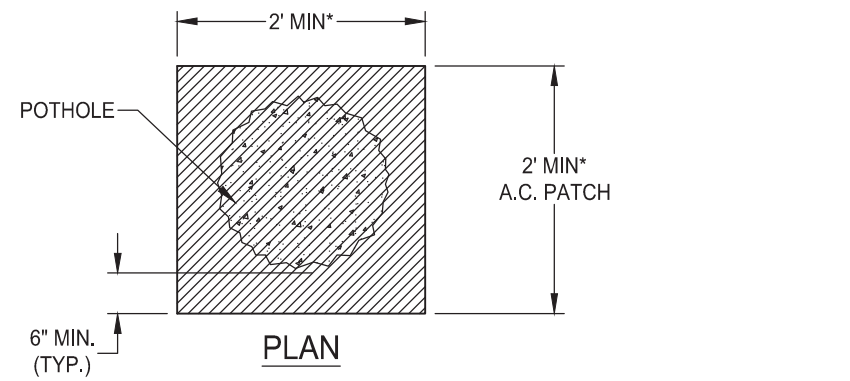
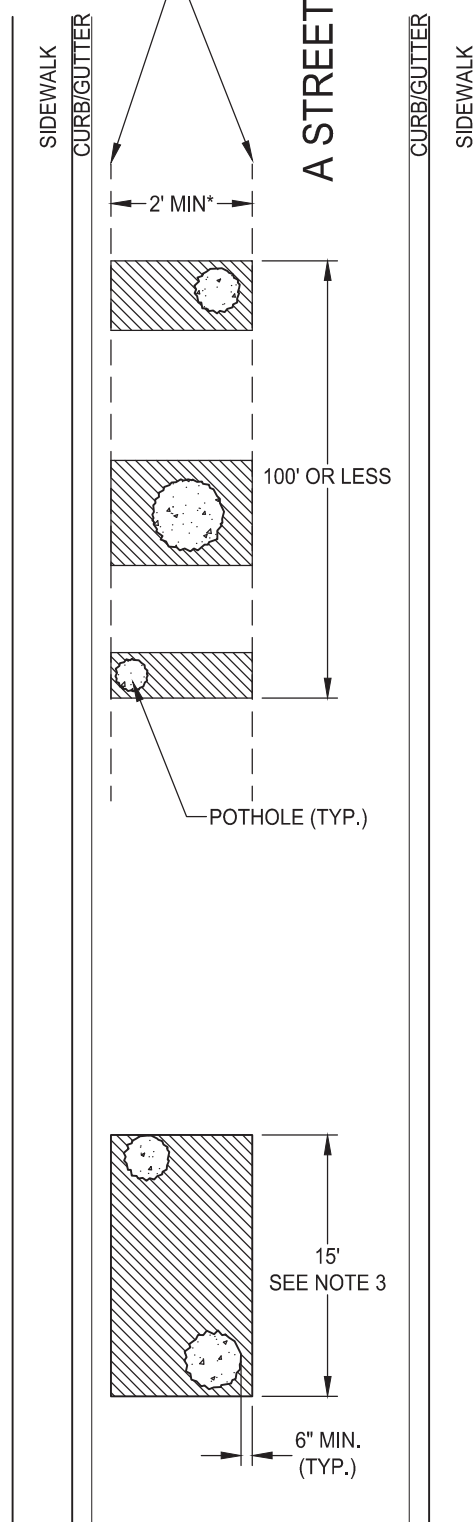
APPROVED BY:  
*Paul M. Muddoch*  
CITY ENGINEER

10/24/2018  
DATE

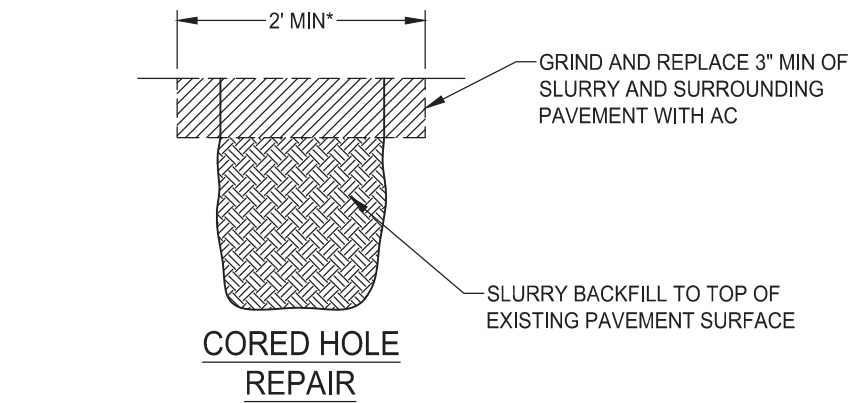
DRAWING NUMBER  
**ST - 5**



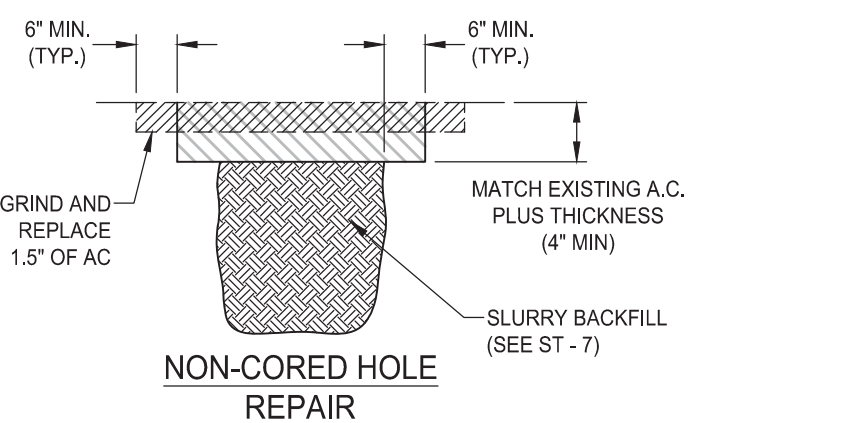
SEE NOTE 1 & 2



PLAN



CORED HOLE REPAIR



NON-CORED HOLE REPAIR

- NOTES:**
1. EDGES OF POTHOLE REPAIRS SHALL BE ALIGNED WHEN DISTANCE BETWEEN 3 CONSECUTIVE POTHOLES IS 100' OR LESS
  2. EDGES OF POTHOLE REPAIRS SHALL BE PLACED ALONG PAVEMENT STRIPES, GUTTER LINES, OR MID-LANE, AND SHALL NOT BE PLACED IN WHEEL PATH.
  3. POTHOLE REPAIRS SHALL BE JOINED IF SPACING BETWEEN HOLES IS 15' OR LESS UNLESS APPROVED BY THE CITY.
  4. REPAIR OF CORED POTHOLES SHALL INCLUDE A FULL DEPTH BASE SLURRY BACKFILL. AFTER MINIMUM OF 48 HOURS OF CURE, THE SLURRY BACKFILL AND SURROUNDING PAVEMENT SHALL BE GROUND A MINIMUM OF 3" DEEP.

\* OR LARGER AS NEEDED TO KEEP ALL PATCHES ALIGNED

REFERENCE STANDARD DETAILS:  
ST - 1A, ST - 7, ST - 9

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CITY OF ELK GROVE - PUBLIC WORKS

**UTILITY POTHOLE REPAIR**

APPROVED BY:  
*Paul M. Muddock*  
CITY ENGINEER

10/24/2018  
DATE

DRAWING NUMBER  
**ST - 6A**



## GENERAL NOTES

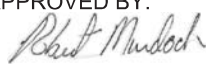

1. PLANE EXISTING ASPHALT TO A 1 1/2" MIN. DEPTH.
2. A TACK COAT SHALL BE APPLIED TO THE AREA PRIOR TO PLACING NEW ASPHALT CONCRETE.
3. ASPHALT CONCRETE MIX SHALL BE APPROVED BY THE CITY PRIOR TO PLACEMENT.
4. ASPHALT CONCRETE SHALL BE SAND SEALED WITHIN 24 HOURS OF TRENCH RESURFACING.
5. TRAFFIC CONTROL PLAN SHALL BE REQUIRED. ALL TRENCH WORK IN RIGHT-OF-WAY WILL REQUIRE TRAFFIC CONTROL PLAN.
6. VIBRATORY ROLLERS SHALL BE USED ON ALL TRENCH REPAIRS IF CLASS II AGGREGATE BASE IS USED. VIBRATORY PLATES MAY ONLY BE USED WHERE APPROVED IN ADVANCE BY CITY ENGINEER.

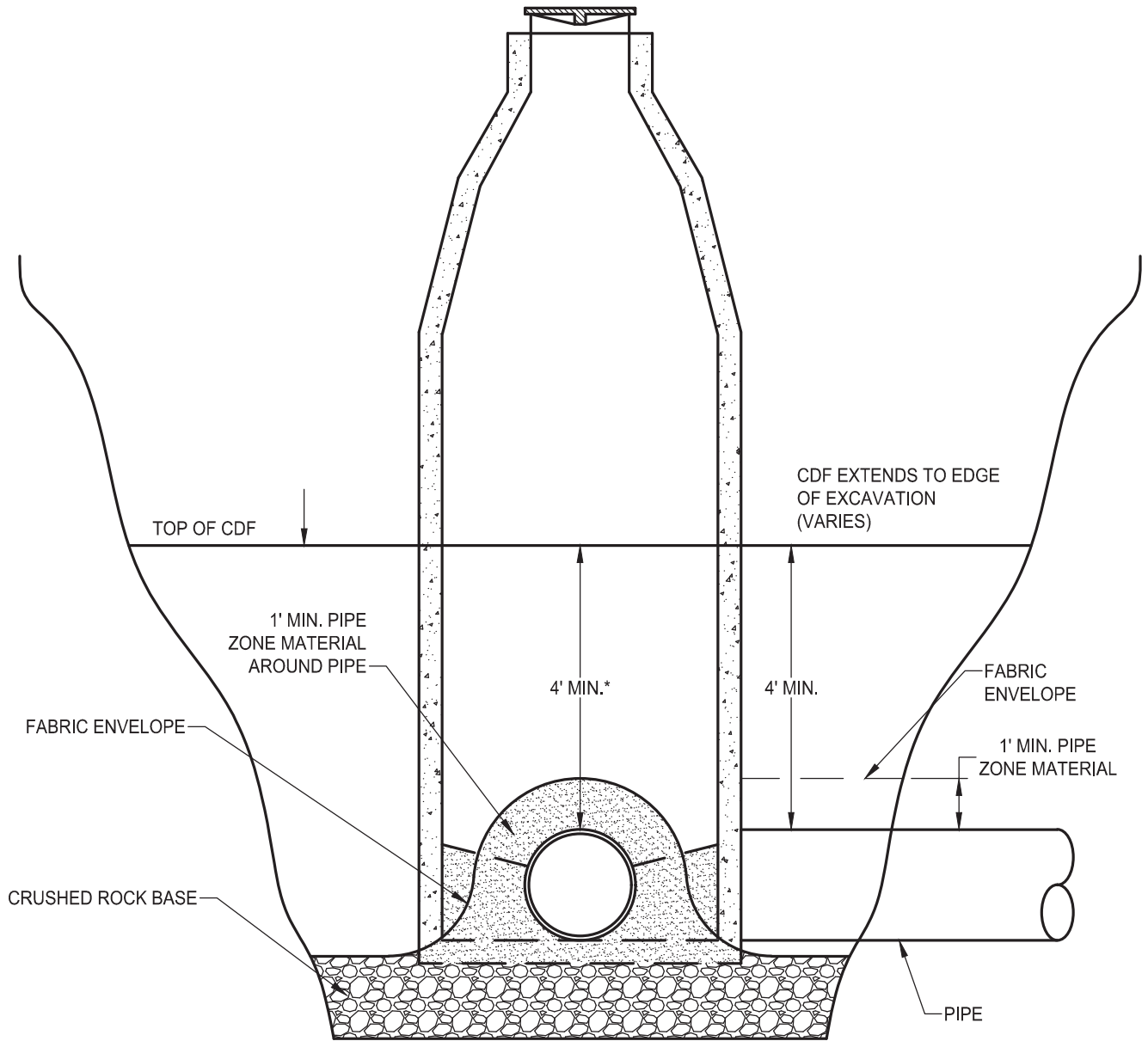
## GENERAL NOTES (FOR FABRIC)

1. AN APPROVED TACK COAT IS REQUIRED PRIOR TO PLACING NEW FABRIC.
2. NEW FABRIC IS TO OVERLAP EXISTING FABRIC A MINIMUM OF 3' ON EACH SIDE OF THE TRENCH.

## GENERAL NOTES (FOR NARROW TRENCH / CDF BACKFILL)

1. CDF BACKFILL SHALL HAVE A MINIMUM 8" SLUMP
2. CDF BACKFILL SHALL BE THOROUGHLY CONSOLIDATED TO ENCASE CONDUITS. CONCRETE VIBRATORS SHALL BE USED DURING PLACEMENT OF SAND CEMENT.
3. CDF SHALL BE SCREENED OFF TO MATCH PLANED PAVEMENT GRADE.
4. ALLOW CDF BACKFILL 48 HOURS MINIMUM CURE AND DRY TIME BEFORE APPLYING ASPHALT CONCRETE.
5. IN SECONDARY, MAJOR OR PRIME ARTERIAL STREETS, TO ACCELERATE CURING TIMES PER NOTE 4, AN APPROVED SET ACCELERATING ADMIXTURE MAY BE USED WITH CITY ENGINEER'S APPROVAL.
6. TYPE "F" CDF BACKFILL IS NOT ALLOWED OVER CSD-1 OR SCWA PIPES. USE TYPE "C".

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				<b>GENERAL NOTES</b>		10/24/2018 DATE			
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								<b>ST - 7</b>	




\*OR THE BASE OF CONE, WHICHEVER IS LESS. FLAT TOP MANHOLES, CDF TO BE PLACED NO HIGHER THAN SUBGRADE.

**NOTE:** SEE SECTION 50-15 FOR CDF MATERIAL SPECIFICATIONS.

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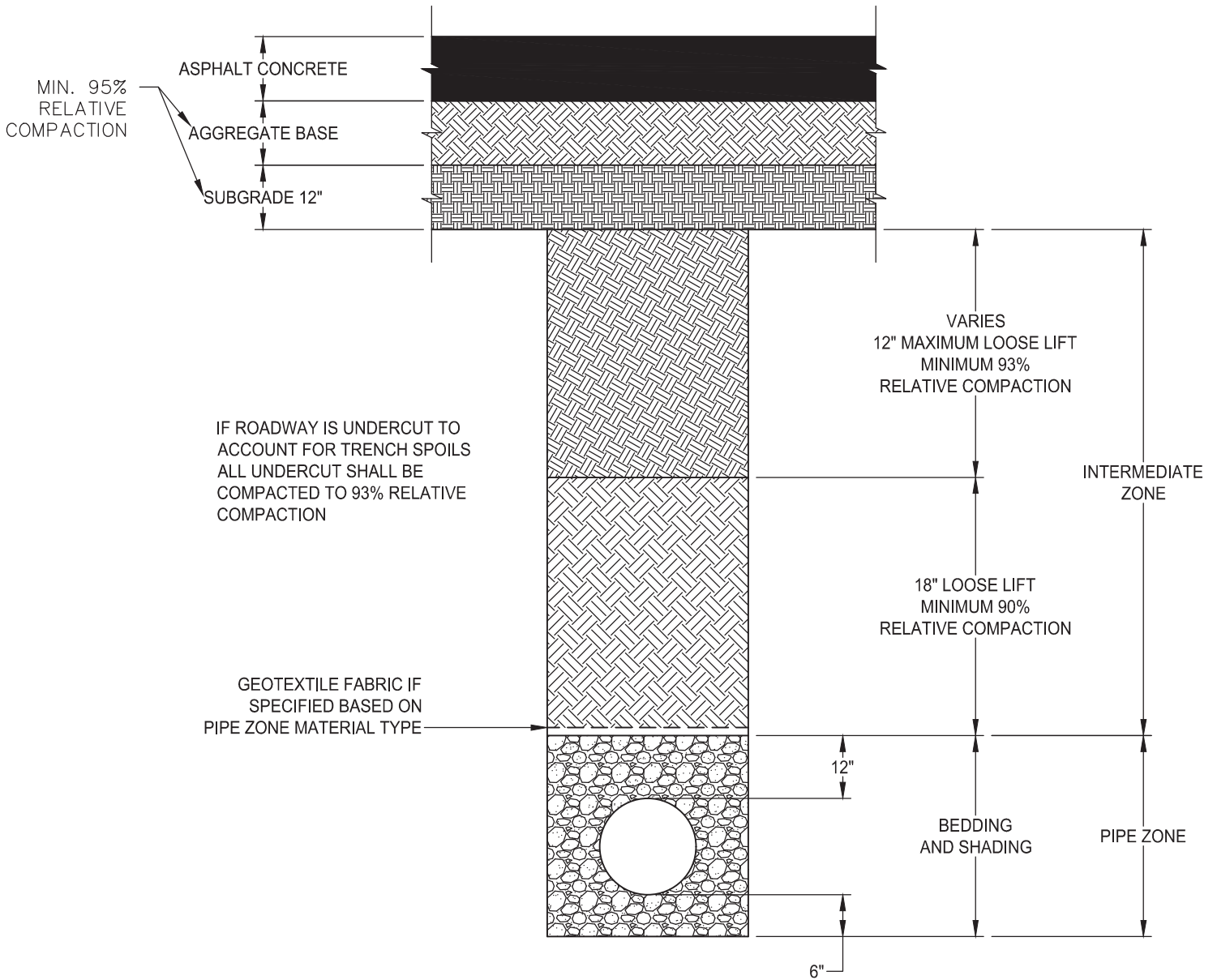
**MANHOLE BACKFILL DETAIL**

APPROVED BY:  
  
 10/24/2018  
 CITY ENGINEER DATE



DRAWING NUMBER

**ST - 8A**



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**TYPICAL TRENCH COMPACTION  
DETAIL**

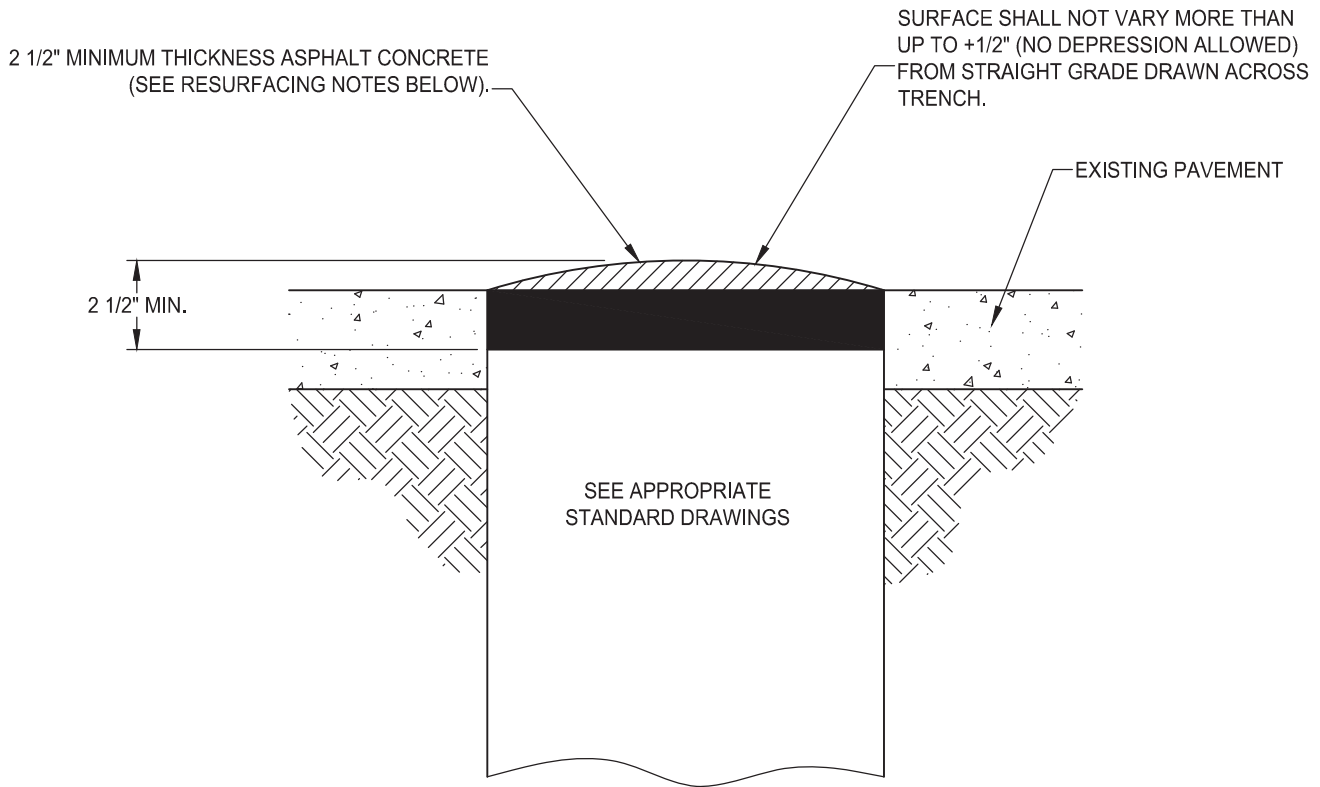
APPROVED BY:  
*Paul M. Muddoch*  
CITY ENGINEER

10/24/2018  
DATE

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**ST - 8**



# TEMPORARY



## TEMPORARY RESURFACING

- A. 30 DAYS MAXIMUM ON NON-OCCUPIED RESIDENTIAL STREETS.
- B. 72 HOURS MAXIMUM ON OCCUPIED RESIDENTIAL STREETS.
- C. 48 HOURS MAXIMUM ON LOCAL COLLECTORS, MAJOR ROADS, AND PRIME ARTERIALS (HOT MIX ONLY 3/4" PG 64-16.
- D. TRAFFIC CONTROL PLAN REQUIRED.

## GENERAL NOTES

1. "COLD MIX" WILL BE ALLOWED TO REMAIN AS SURFACING FOR A MAXIMUM OF 24 HOURS. EARLIER REPLACEMENT WILL BE REQUIRED IF MAINTENANCE OF THE SURFACE IS UNSATISFACTORY, SOLELY AT THE DISCRETION OF THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE.

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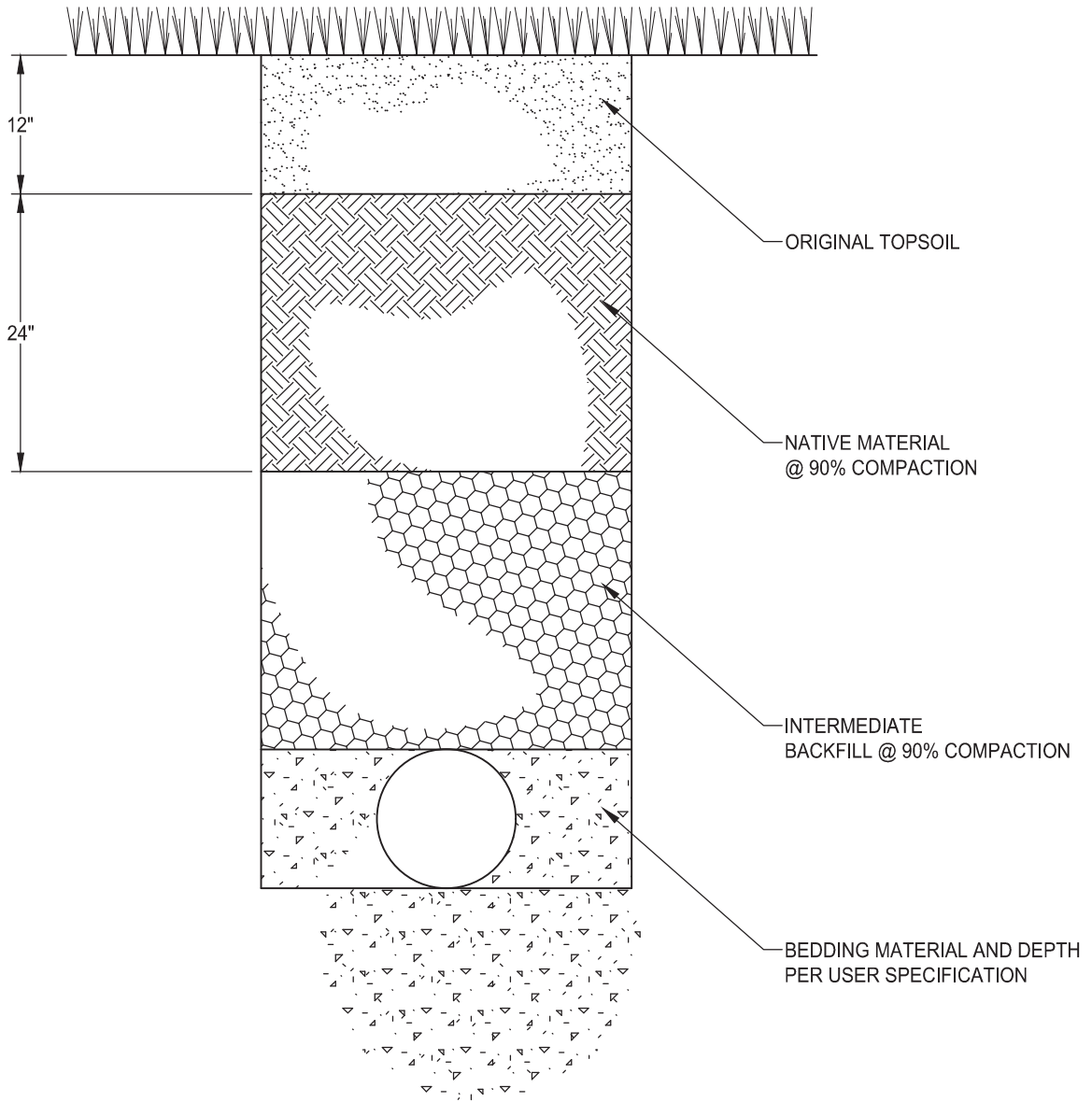
**TEMPORARY TRENCH RESURFACING**

APPROVED BY:  
*Paul Muroch* 10/24/2018  
CITY ENGINEER DATE

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DRAWING NUMBER  
**ST - 9**





DATE: 09/22/2017		NOT TO SCALE	
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CITY OF ELK GROVE - PUBLIC WORKS

**TRENCH SECTIONS IN IMPROVED AREAS  
HORTICULTURE, LAWN, OR CULTIVATED  
AREAS**

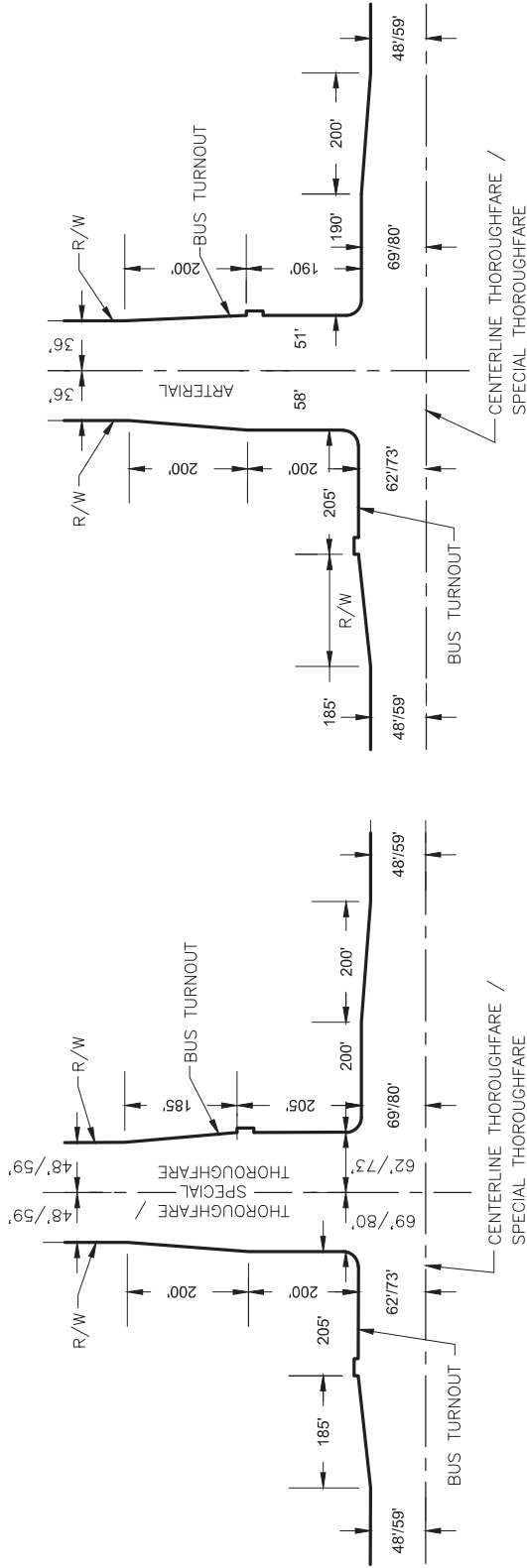
APPROVED BY:  
*Paul M. Muddoch*  
CITY ENGINEER

10/24/2018  
DATE

DRAWING NUMBER  
**ST - 10**

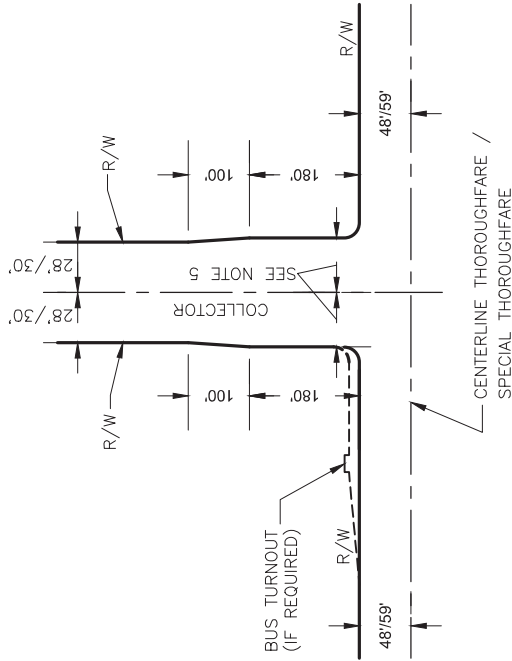






NOTES:

1. RADIUS AT CORNERS IS 25'.
2. FOR BUS TURNOUT DIMENSIONS, SEE STANDARD DRAWING ST-27
3. PEDESTRIAN EASEMENTS PER STANDARD DRAWINGS ST-27 AND ST-28 ARE REQUIRED.
4. TYPE 2 CURB AND GUTTER SHALL BE REQUIRED WITHIN ALL CURB RETURNS, AND AT ALL BUS TURNOUTS AS SHOWN ON STANDARD DRAWINGS ST-27 AND ST-28.
5. HALF WIDTH OF 56' COLLECTOR STREETS AT APPROACH TO MAJOR STREETS SHALL BE 31' IF STREET DOES NOT HAVE BICYCLE LANES AND 35' IF IT DOES. HALF WIDTH OF 60' COLLECTOR STREETS AT APPROACH TO MAJOR STREETS SHALL BE 33' IF STREET DOES NOT HAVE BICYCLE LANES AND 37' IF IT DOES.
6. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.



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**CITY OF ELK GROVE - PUBLIC WORKS**

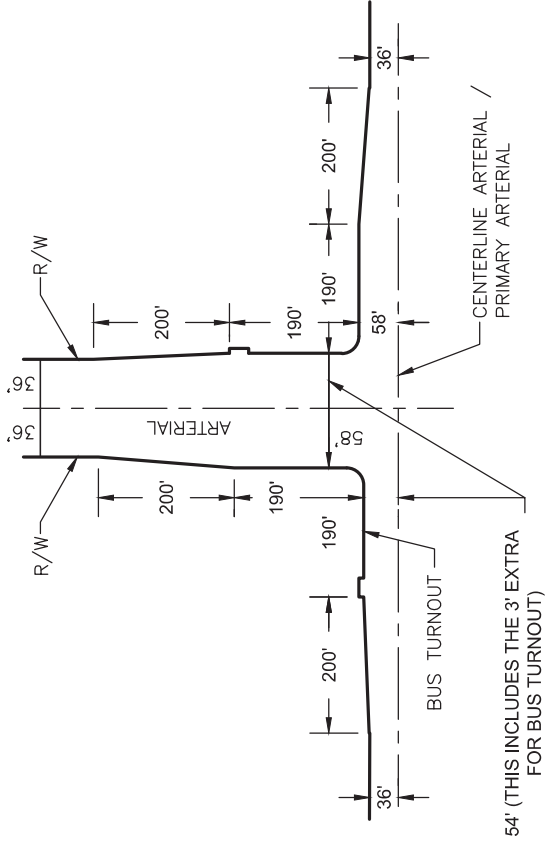
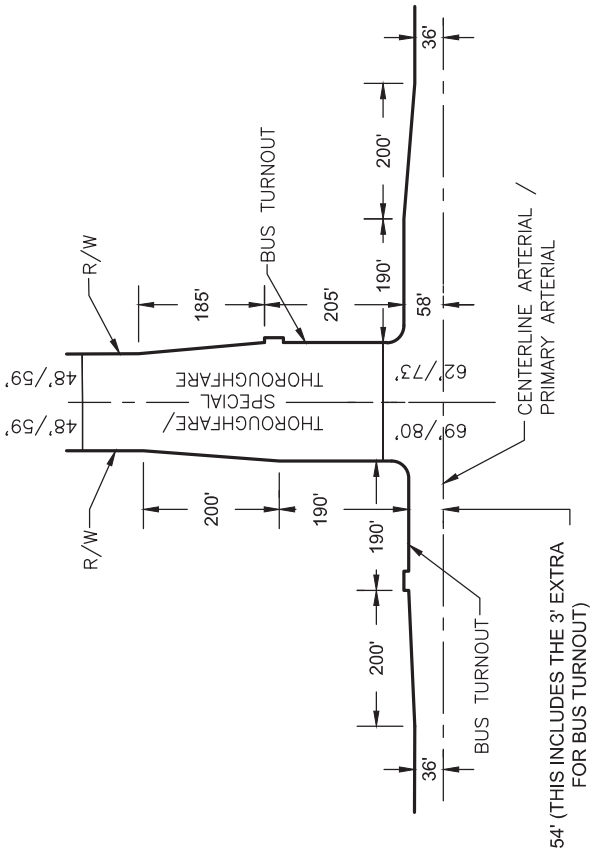
**WIDENING DETAILS FOR THOROUGHFARES AT VARIOUS STREET INTERSECTIONS**

APPROVED BY: *Paul F. Muddick*  
 CITY ENGINEER

DATE: 10/24/2018

DRAWING NUMBER: **ST - 11**





NOTES:

1. RADIUS AT CORNERS IS 25'.
2. FOR BUS TURNOUT DIMENSIONS, SEE STANDARD DRAWING ST-27.
3. PEDESTRIAN EASEMENTS PER STANDARD DRAWINGS ST-27 AND ST-28 ARE REQUIRED.
4. TYPE 2 CURB AND GUTTER SHALL BE REQUIRED WITHIN ALL CURB RETURNS, AND AT ALL BUS TURNOUTS AS SHOWN ON STANDARD DRAWINGS ST-27 AND ST-28.
5. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.

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BY	DATE


CITY OF ELK GROVE - PUBLIC WORKS

**WIDENING DETAILS  
FOR ARTERIALS AT MAJOR  
STREET INTERSECTIONS**

APPROVED BY: *Paul F. Muddick*  
 CITY ENGINEER

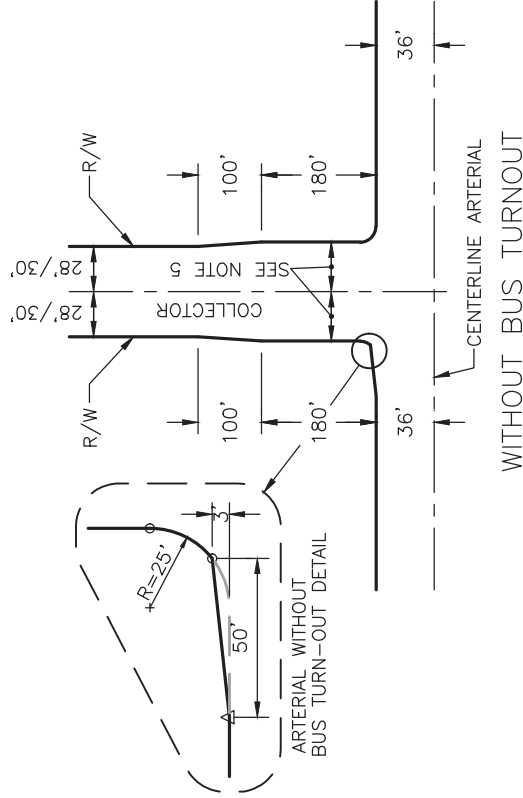
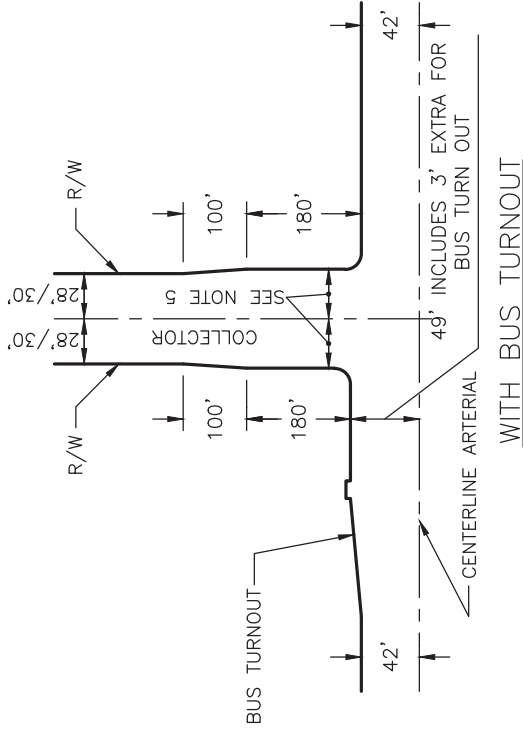
DATE: 10/24/2018

DRAWING NUMBER  
**ST - 12A**



NOTES:

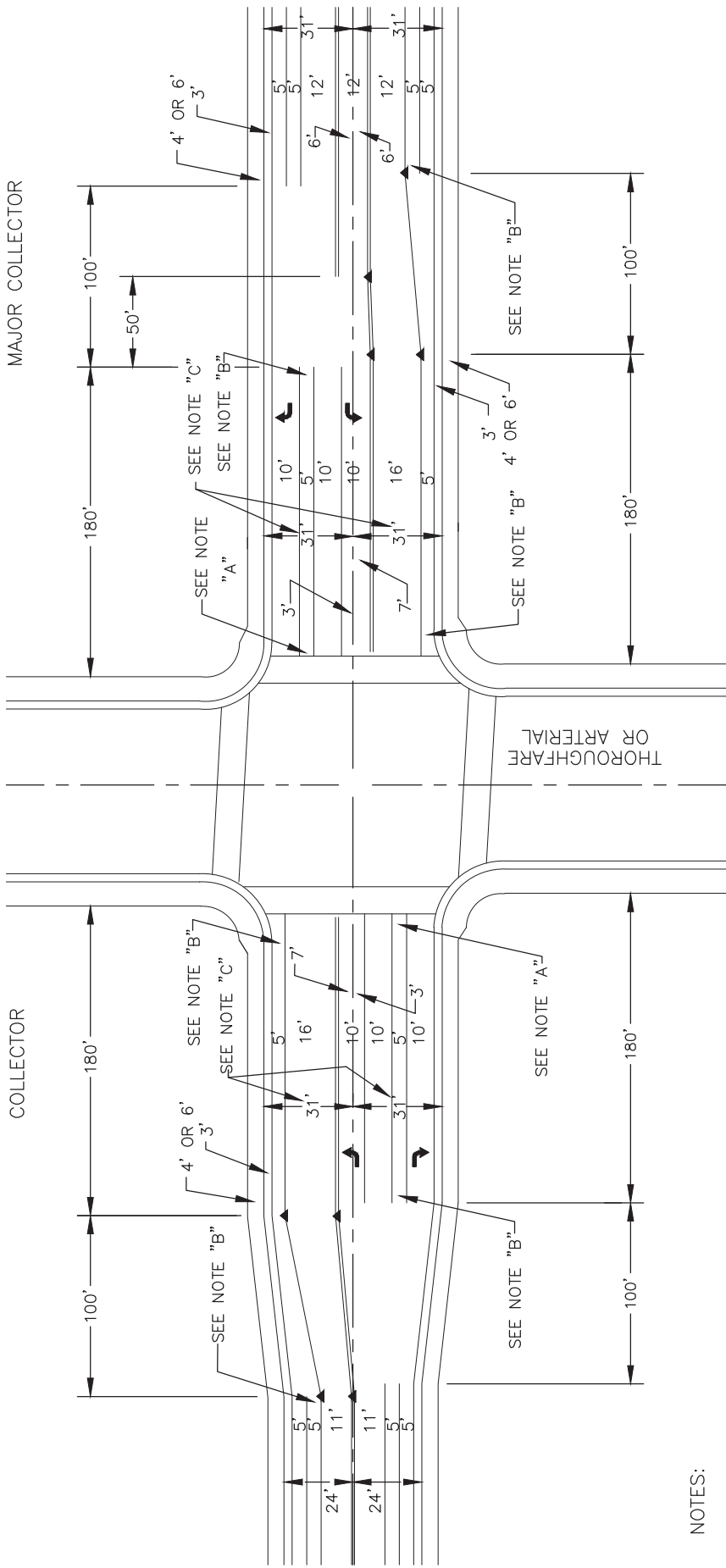
1. RADIUS AT CORNERS IS 25'.
2. FOR BUS TURNOUT DIMENSIONS, SEE STANDARD DRAWING ST-27.
3. PEDESTRIAN EASEMENTS PER STANDARD DRAWINGS ST-27 AND ST-28 ARE REQUIRED.
4. TYPE 2 CURB AND GUTTER SHALL BE REQUIRED WITHIN ALL CURB RETURNS, AND AT ALL BUS TURNOUTS AS SHOWN ON STANDARD DRAWINGS ST-27 AND ST-28.
5. HALF WIDTH OF 56' COLLECTOR STREETS AT APPROACH TO MAJOR STREETS SHALL BE 31' IF STREET DOES NOT HAVE BICYCLE LANES AND 35' IF IT DOES. HALF WIDTH OF 60' COLLECTOR STREETS AT APPROACH TO MAJOR STREETS SHALL BE 33' IF STREET DOES NOT HAVE BICYCLE LANES AND 37' IF IT DOES.
6. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.



APPROVED BY: *Robert M. ...*  
 CITY ENGINEER  
 DATE: 10/24/2018  
 DRAWING NUMBER: ST - 12B


CITY OF ELK GROVE - PUBLIC WORKS  
**WIDENING DETAILS FOR  
 ARTERIALS AT COLLECTOR  
 STREET INTERSECTIONS**

DATE:	NOT TO SCALE
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DATE	



**NOTES:**

- A. INSTALL BICYCLE SYMBOL OVER DETECTOR LOCATIONS.
- B. INSTALL "BIKE", "LANE" AND " " PAVEMENT LEGENDS AT THE FOLLOWING LOCATIONS:
  - APPROXIMATELY 10' PAST CROSSWALKS.
  - AT THE BEGINNING OF BICYCLE LANE ADJOINING RIGHT-TURN LANES.
- C. FOR COLLECTORS WITH 6' SIDEWALKS, THE RIGHT-OF-WAY WIDTH IS 37'.
- D. DIMENSIONS ARE TO CENTERLINE OF STRIPES.
- E. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.
- F. BIKE LANE MARKINGS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CALIFORNIA MUTCD.

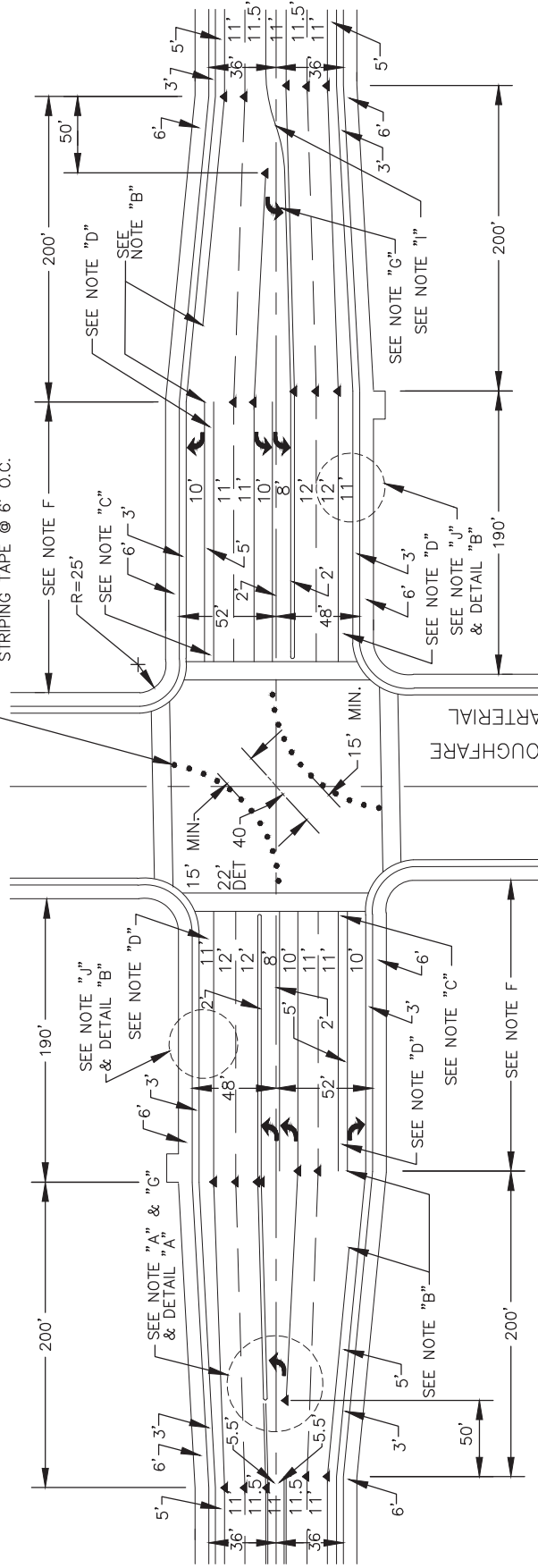
APPROVED BY: *[Signature]* 07-30-2021  
 CITY ENGINEER DATE  
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**ST - 13**

**CITY OF ELK GROVE - PUBLIC WORKS**  
**TYPICAL STRIPING FOR COLLECTOR STREETS**  
**WITH BICYCLE LANES AT INTERSECTIONS**  
**WITH THOROUGHFARE OR ARTERIAL STREETS**

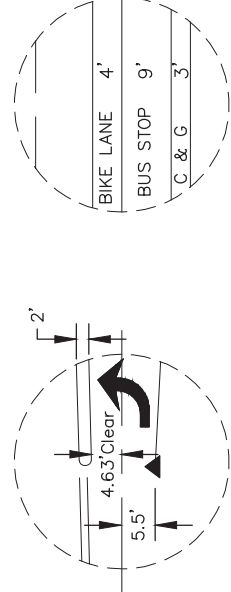
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ARTERIAL WITH TWO-WAY LEFT TURN LANE

8" DIAM. PREFORMED PAVEMENT STRIPING TAPE @ 6' O.C.



- NOTES:
- A. END OF RAISED MEDIAN MAY BE MOVED AS NECESSARY FOR DRIVEWAY LOCATIONS. SEE IMPROVEMENT STANDARD SECTION 4-10 (J)
  - B. BIKE LANE STRIPE TO BE DISCONTINUED APPROX. 100' FROM START OF RIGHT-TURN LANE AND RESUMED AT BEGINNING OF RIGHT-TURN-ONLY LANE.
  - C. INSTALL BICYCLE SYMBOL OVER DETECTOR LOCATIONS.
  - D. INSTALL "BIKE", "LANE" AND " " PAVEMENT LEGENDS AS PER THE CURRENT VERSION OF THE CALIFORNIA MUTCD AT THE FOLLOWING LOCATIONS:
    - APPROXIMATELY 10' PAST CROSSWALKS;
    - AT BEGINNING OF BICYCLE LANE ADJOINING RIGHT-TURN LANES.
  - E. DIMENSIONS ARE TO CENTERLINE OF STRIPES.
  - F. LENGTH OF APPROACH ADJACENT TO RIGHT TURN LANE SHALL BE: 200' APPROACHING A THOROUGHFARE / SPECIAL THOROUGHFARE 190' APPROACHING AN ARTERIAL.
  - G. DIRECTIONAL ARROWS ARE PROVIDED AT THE BEGINNING OF ALL TURN POCKETS. INSTALL ADDITIONAL ARROWS IF LENGTH OF TURN POCKET EXCEEDS 250 FT.
  - H. ALL PAVEMENT MARKINGS AND STRIPING AS PER THE CURRENT VERSION OF THE CALIFORNIA MUTCD.
  - I. 90' BAY TAPER AS PER THE CURRENT CALTRANS HDM.
  - J. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.
  - K. IF THE DRIVEWAY, APPROVED BY PUBLIC WORKS, IS WITHIN THE EXPANDED INTERSECTION, ADDITIONAL 2 FEET RIGHT-OF-WAY WILL BE REQUIRED. SEE DETAIL "B".
  - L. BIKE LANE MARKINGS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CALIFORNIA MUTCD.



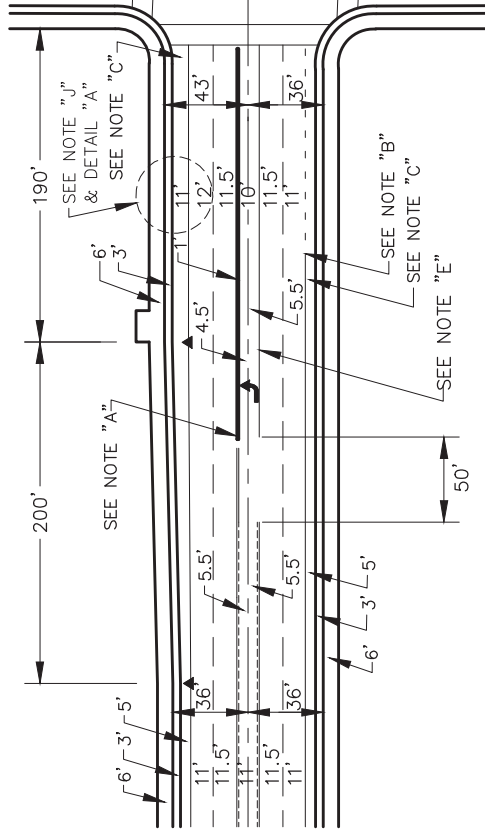
APPROVED BY: *[Signature]* 07-30-2021  
 CITY ENGINEER DATE  
 DRAWING NUMBER  
**ST - 14A**

CITY OF ELK GROVE - PUBLIC WORKS  
**TYPICAL STRIPING FOR ARTERIAL INTERSECTIONS WITH THOROUGHFARES OR ARTERIALS**

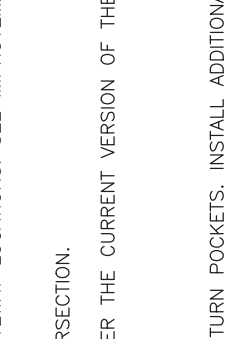
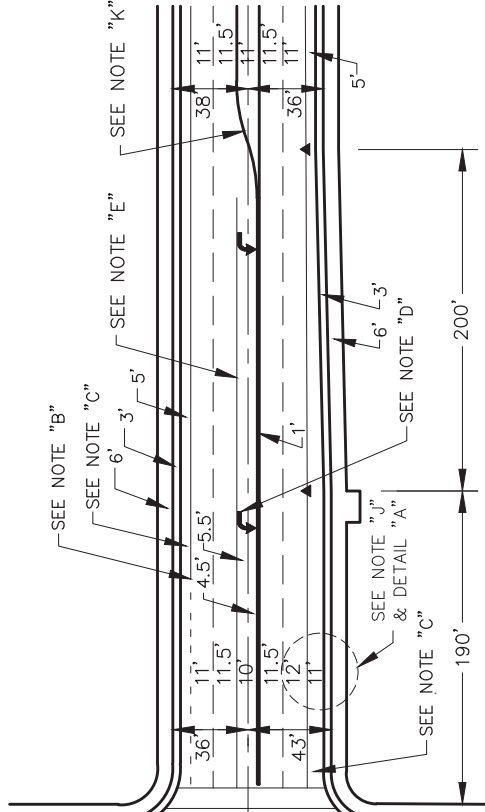
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09/22/2007			
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1	SN	SA	07-29-2021

DATE: 09/22/2007 NOT TO SCALE

ARTERIAL WITH TWO-WAY LEFT TURN LANE



ARTERIAL WITH MEDIAN

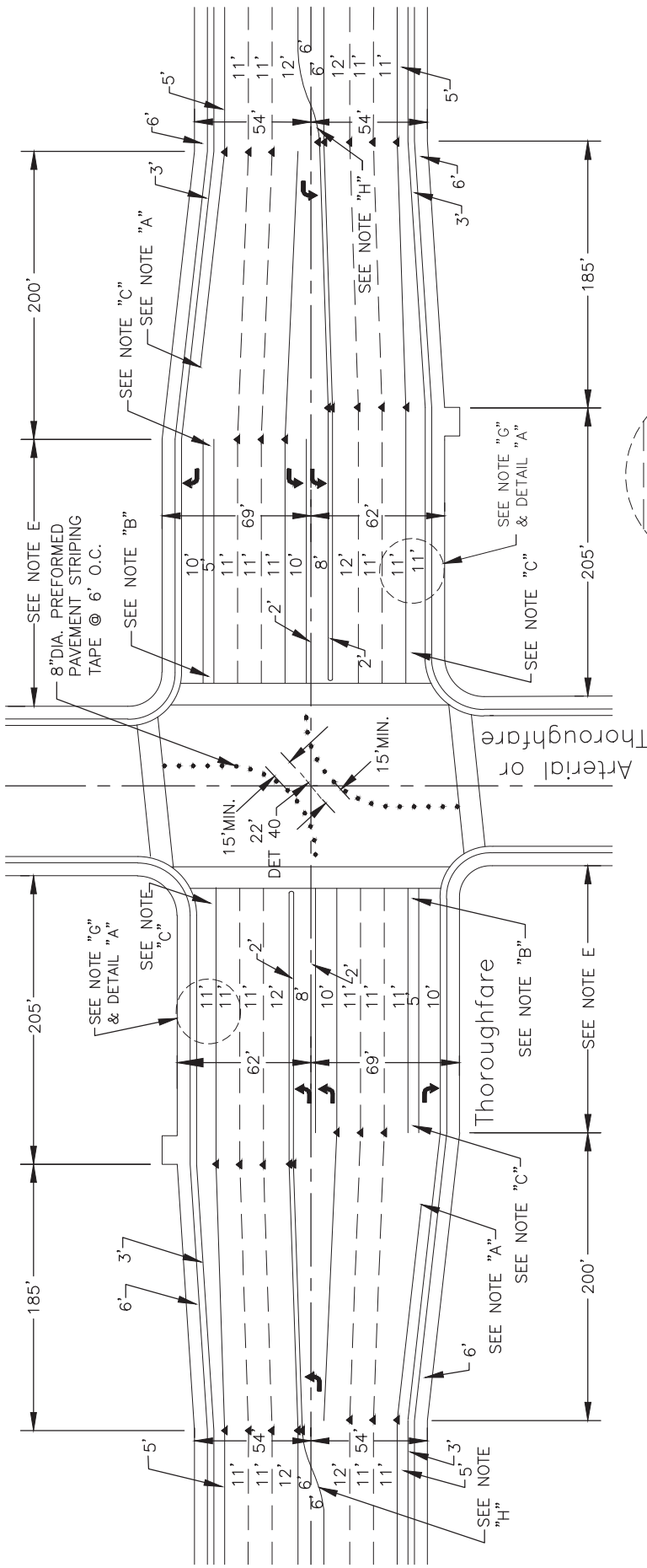


- NOTES:
- A. END OF RAISED MEDIAN MAY BE MOVED AS NECESSARY FOR DRIVEWAY LOCATIONS. SEE IMPROVEMENT STANDARD SECTION 4-10 (J)
  - B. BIKE LANE STRIPING TO BE DASHED BEGINNING 120' FROM INTERSECTION.
  - C. INSTALL "BIKE", "LANE", AND " " PAVEMENT LEGENDS AS PER THE CURRENT VERSION OF THE CALIFORNIA MUTCD, AT THE FOLLOWING LOCATIONS:
    - APPROXIMATELY 10' PAST CROSSWALKS;
    - BEFORE START OF DASHED BICYCLE LANE STRIPING.
  - D. DIRECTIONAL ARROWS ARE PROVIDED AT THE BEGINNING OF ALL TURN POCKETS. INSTALL ADDITIONAL LEFT-TURN ARROW MIDWAY IN THE LENGTH OF THE TURN LANE IF IT EXCEEDS 250'.
  - E. CONSULT WITH PUBLIC WORKS TO DETERMINE POCKET LENGTH.
  - F. DIMENSIONS ARE TO CENTERLINE OF STRIPES.
  - G. SHOULD DESIGN OF ROADWAY NOT INCLUDE BUS TURNOUTS, DESIGN OF INTERSECTIONS OF ARTERIAL & COLLECTOR STREETS SHALL CONFORM TO THE DETAIL ON DRAWING ST-12B.
  - H. ALL PAVEMENT MARKINGS AND STRIPING AS PER THE CURRENT VERSION OF THE CALIFORNIA MUTCD.
  - I. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.
  - J. IF THE DRIVEWAY, APPROVED BY PUBLIC WORKS, IS WITHIN THE EXPANDED INTERSECTION, ADDITIONAL 2 FEET RIGHT OF WAY WILL BE REQUIRED. SEE DETAIL "A".
  - K. 90' BAY TAPER AS PER THE CURRENT CALTRANS HDM.
  - L. BIKE LANE MARKINGS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CALIFORNIA MUTCD.

APPROVED BY: *[Signature]* 07-30-2021  
 CITY ENGINEER DATE  
 DRAWING NUMBER  
**ST - 14B**


CITY OF ELK GROVE - PUBLIC WORKS  
**TYPICAL STRIPING FOR  
 ARTERIAL INTERSECTIONS  
 WITH COLLECTORS**

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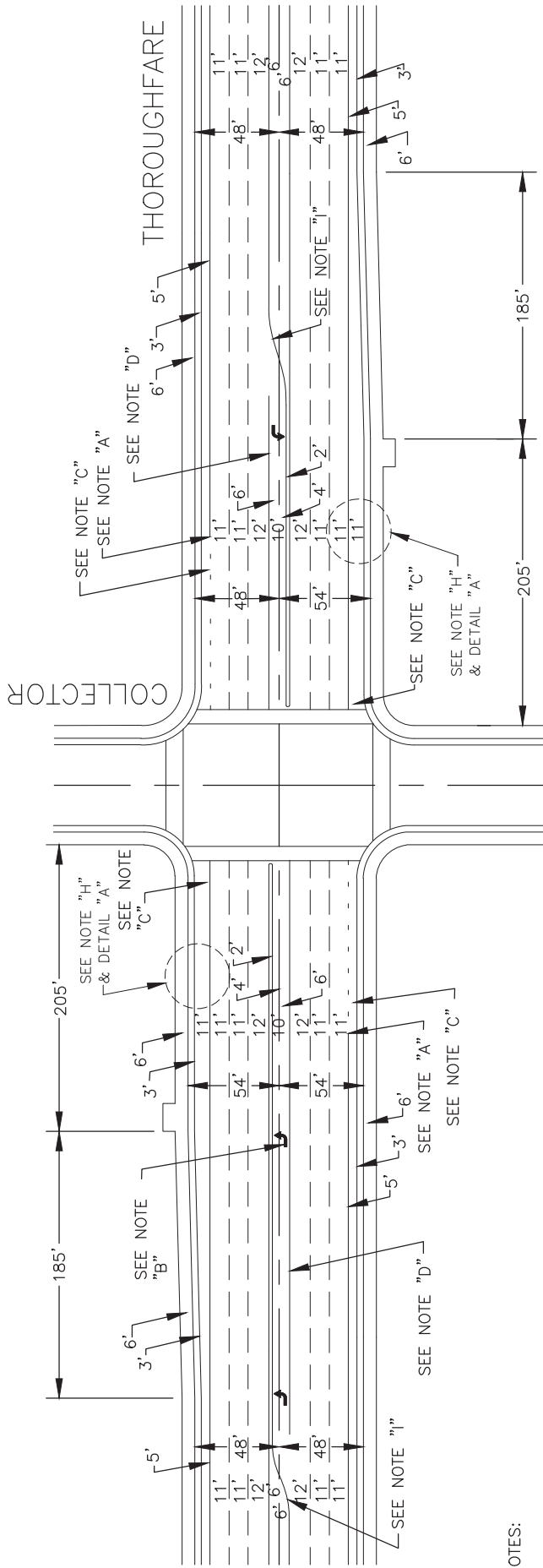
**NOTES:**

- A. BIKE LANE STRIPE TO BE DISCONTINUED APPROXIMATELY 100' FROM RIGHT-TURN LANE AND RESUMED AT BEGINNING OF RIGHT-TURN ONLY LANE.
- B. INSTALL BICYCLE SYMBOL OVER DETECTOR LOCATIONS.
- C. INSTALL "BIKE", "LANE" AND " " PAVEMENT LEGENDS AT THE FOLLOWING LOCATIONS:
  - APPROXIMATELY 10' PAST CROSSWALKS.
  - AT THE BEGINNING OF BICYCLE LANE ADJOINING RIGHT-TURN LANES.
- D. DIMENSIONS ARE TO CENTERLINE OF STRIPES.
- E. LENGTH OF APPROACH ADJACENT TO RIGHT TURN LANE SHALL BE: 200' APPROACHING A THOROUGHFARE / SPECIAL THOROUGHFARE; 190' APPROACHING AN ARTERIAL / PRIMARY ARTERIAL.
- F. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.
- G. IF THE DRIVEWAY, APPROVED BY PUBLIC WORKS, IS WITHIN THE EXPANDED INTERSECTION, ADDITIONAL 2 FEET RIGHT-OF-WAY BILL BE REQUIRED. SEE DETAIL "A".
- H. 90' BAY TAPER AS PER THE CURRENT CALTRANS HDM.
- I. BIKE LANE MARKINGS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CALIFORNIA MUTCD.

APPROVED BY: *[Signature]* 07-30-2021  
 CITY ENGINEER DATE  
 DRAWING NUMBER  
**ST - 15A**


**CITY OF ELK GROVE - PUBLIC WORKS**  
**TYPICAL STRIPING FOR THOROUGHFARE INTERSECTIONS WITH THOROUGHFARES OR ARTERIALS**

DATE:	NOT TO SCALE		
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1	SN	SA	07-29-2021



**NOTES:**

- A. BIKE LANE STRIPE TO BE DASHED BEGINNING 120' FROM INTERSECTION.
- B. INSTALL ADDITIONAL LEFT TURN ARROW MIDWAY IN THE LENGTH OF THE TURN LANE IF IT EXCEEDS 250'.
- C. INSTALL "BIKE", "LANE" AND " " PAVEMENT LEGENDS AS PER THE CURRENT VERSION OF CALIFORNIA MUTCD AT THE FOLLOWING LOCATIONS:
  - APPROXIMATELY 10' PAST CROSSWALKS;
  - BEFORE START OF DASHED BICYCLE LANE STRIPING.
- D. LENGTH OF TURN POCKET IS TO BE SIZED ACCORDING TO TRAFFIC NEEDS. 180' MIN. SEE 3-10 H OF TRANSPORTATION DIVISION DESIGN PRACTICE GUIDE. AND DIRECTIONAL ARROWS ARE PROVIDED AT THE BEGINNING OF ALL TURN POCKETS. IF POCKET IS LONGER THAN 100 FT. ADDITIONAL ARROWS SHALL BE PLACED AT THE END.
- E. DIMENSIONS ARE TO CENTERLINE OF STRIPES.
- F. ALL PAVEMENT MARKINGS AND STRIPING AS PER THE CURRENT VERSION OF THE CALIFORNIA MUTCD.
- G. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.
- H. IF THE DRIVEWAY, APPROVED BY PUBLIC WORKS, IS WITHIN THE EXPANDED INTERSECTION, ADDITIONAL 2 FEET RIGHT OF WAY WILL BE REQUIRED. SEE DETAIL "A".
  - I. 90' BAY TAPER AS PER THE CURRENT CALTRANS HDM.
  - J. BIKE LANE MARKINGS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CALIFORNIA MUTCD.

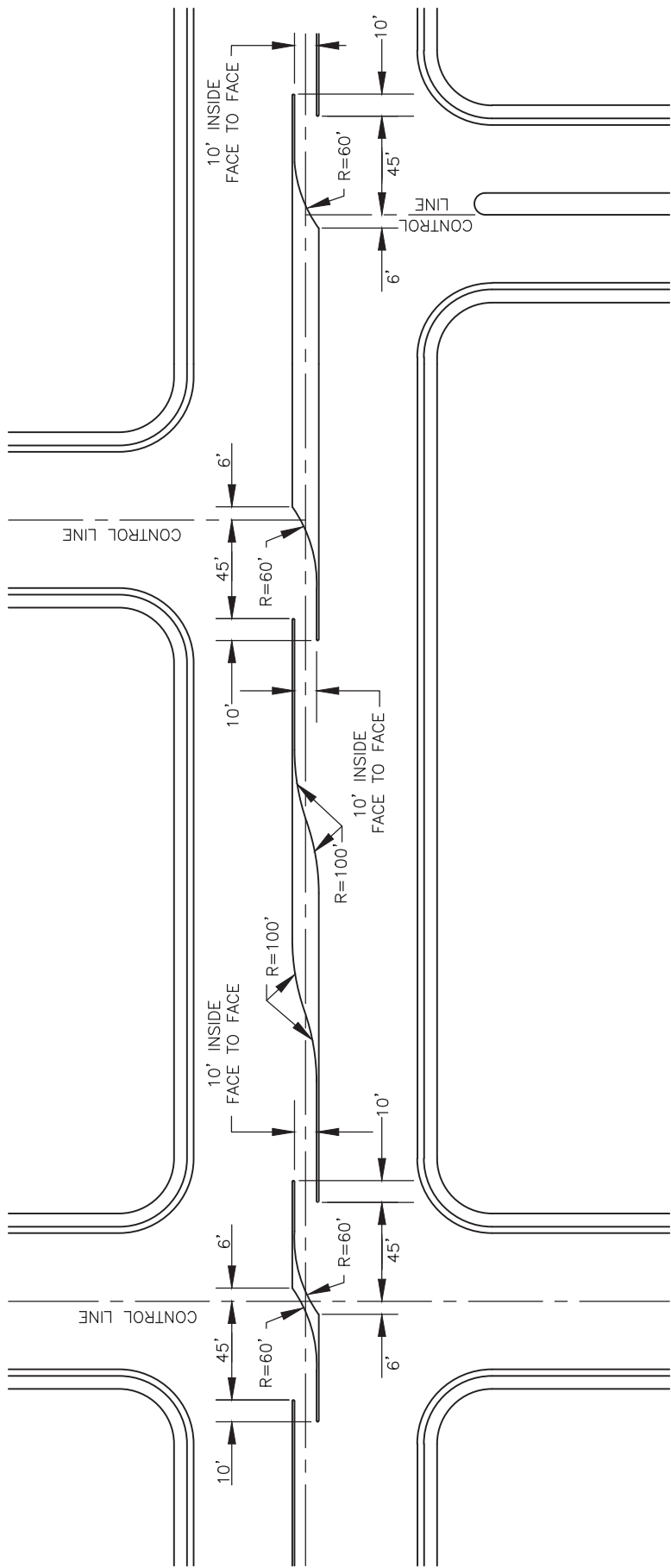
APPROVED BY:  07-30-2021  
 CITY ENGINEER DATE  
 DRAWING NUMBER  
**ST - 15B**

**CITY OF ELK GROVE - PUBLIC WORKS**

**TYPICAL STRIPING FOR THOROUGHFARE INTERSECTIONS WITH COLLECTORS**

DATE:	NOT TO SCALE		
09/22/2007			
REVISION	BY	APPROVED	DATE
1	SN	SA	07-29-2021





DATE:	NOT TO SCALE
09/22/2007	
REVISION	APPROVED
DATE	DATE

CITY OF ELK GROVE - PUBLIC WORKS

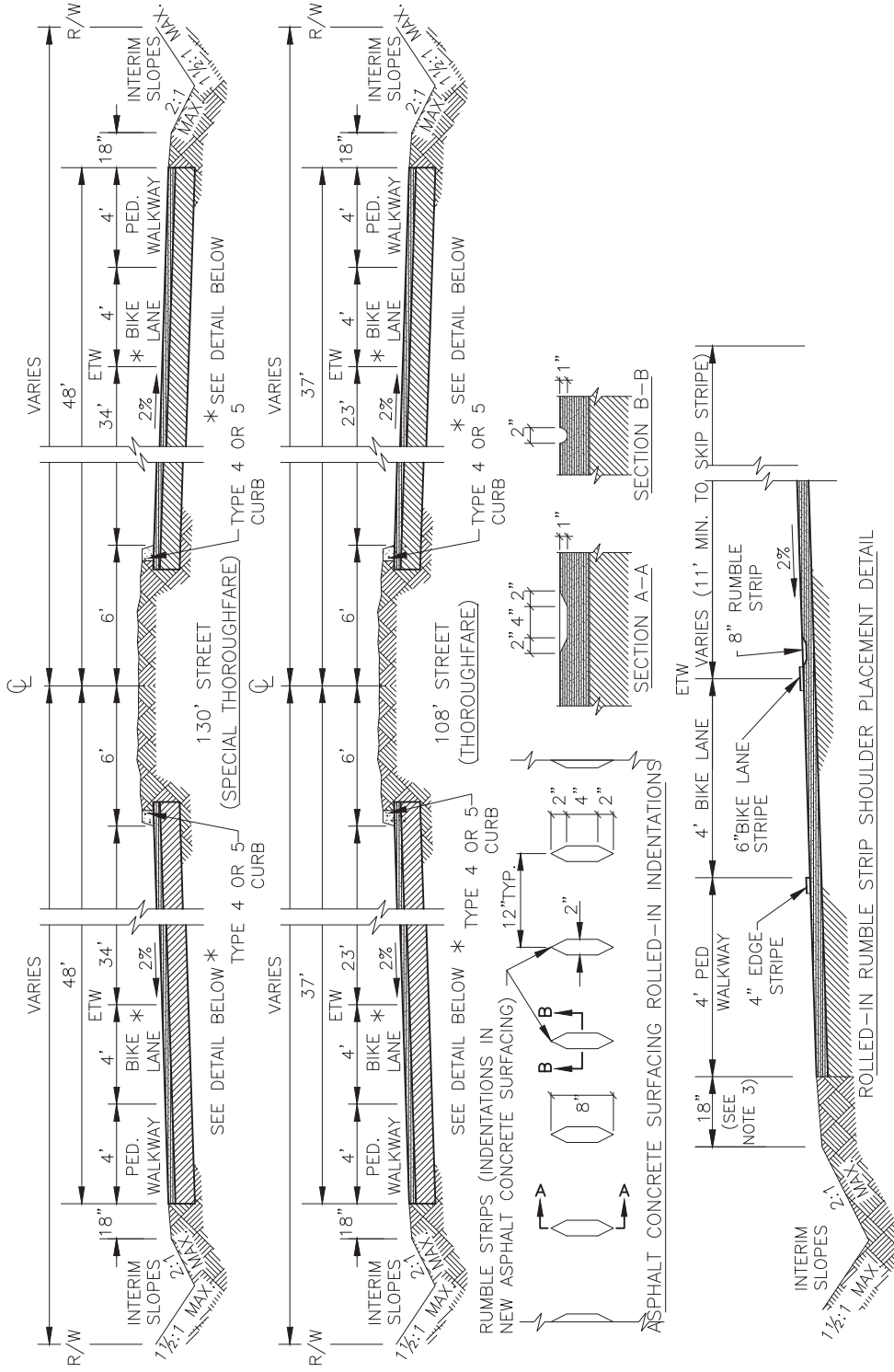
## TYPICAL RAISED ISLAND DESIGNS FOR LIMITING ACCESS

APPROVED BY: *Robert M. Mark*  
 CITY ENGINEER

10/24/2018  
 DATE

DRAWING NUMBER  
**ST - 16**






1. RUMBLE STRIP SHALL STOP 120' FROM THE C.R. ON THE MAJOR ROAD APPROACHING ENTERING SIDE STREETS, AND BEGIN AT C.R. ON THE MAJOR ROAD DEPARTING ENTERING SIDE STREETS.
2. POSITION BIKE LANE LEGENDS BETWEEN RUMBLE STRIP AND EDGE LINE STRIPE.
3. EARTHEN SHOULDER MAY BE ELIMINATED IF SHOULDER CONFLICTS WITH TREES OR RIGHT-OF-WAY LIMITS AND FULL DEPTH ASPHALT SECTION IS USED.

DATE:	NOT TO SCALE	
09/22/2007		
REVISION	APPROVED	DATE

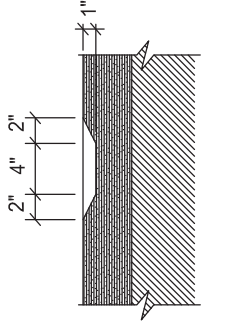
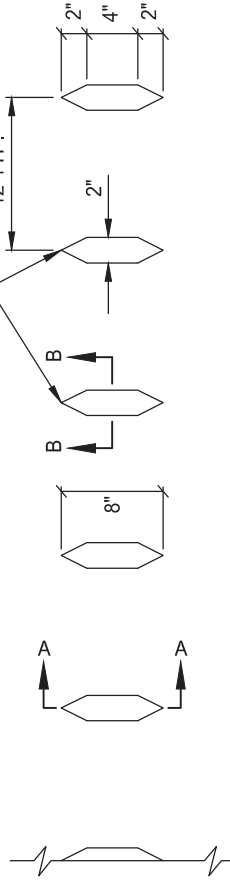
**CITY OF ELK GROVE - PUBLIC WORKS**

**TYPICAL SECTIONS INTERIM IMPROVEMENTS  
FOR SPECIAL THOROUGHFARE AND  
THOROUGHFARE STREETS WITH ROLLED-IN  
RUMBLE STRIPS**

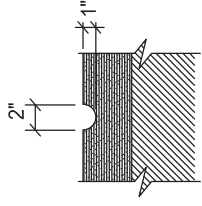
APPROVED BY: *Robert M. Muehler*  
 CITY ENGINEER  
 DATE: 10/24/2018  
 DRAWING NUMBER: **ST - 17A**



RUMBLE STRIPS (INDENTATIONS IN NEW ASPHALT CONCRETE SURFACING)

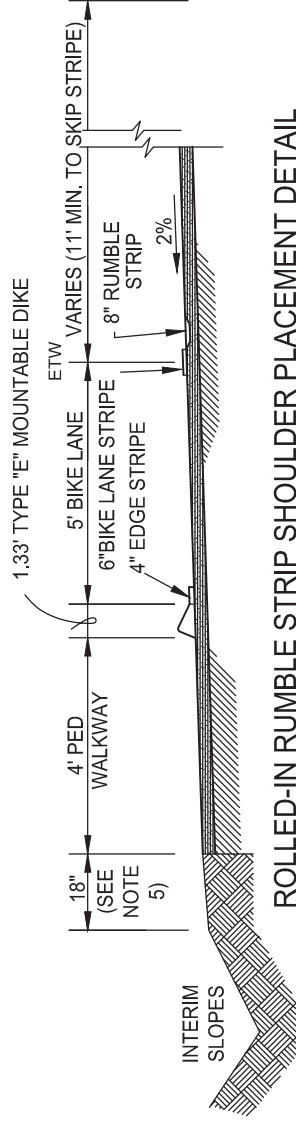


SECTION A-A



SECTION B-B

ASPHALT CONCRETE SURFACING ROLLED-IN INDENTATIONS



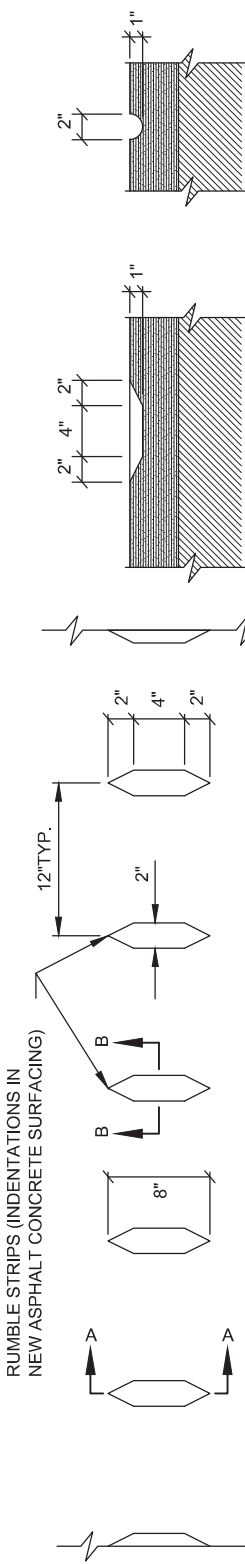
ROLLED-IN RUMBLE STRIP SHOULDER PLACEMENT DETAIL

1. ROLLED-IN RUMBLE STRIPS SHALL BE USED WHERE REQUIRED BY THE DIRECTOR OF THE DEPARTMENT OF TRANSPORTATION.
2. ROLLED-IN RUMBLE STRIPS MAY BE USED ON ROADWAYS THAT ARE DESIGNATED FOR 80' OR MORE OF RIGHT-OF-WAY AND ARE CONSTRUCTED WITH INTERIM IMPROVEMENTS (WITHOUT CURB & GUTTER).
3. RUMBLE STRIP SHALL STOP 120' FROM THE C.R. ON THE MAJOR ROAD APPROACHING ENTERING SIDE STREETS, AND BEGIN AT C.R. ON THE MAJOR ROAD DEPARTING ENTERING SIDE STREETS.
4. POSITION BIKE LANE LEGENDS BETWEEN RUMBLE STRIP AND EDGE LINE STRIPE.
5. EARTHEN SHOULDER MAY BE ELIMINATED IF SHOULDER CONFLICTS WITH TREES OR RIGHT-OF-WAY LIMITS AND FULL DEPTH ASPHALT SECTION IS USED.
6. TYPE "E" MOUNTABLE DIKE PER CALTRANS STD. PLANS DRAWING A-87B.

APPROVED BY: *Paul F. Muldock*  
 CITY ENGINEER  
 DATE: 10/24/2018  
 DRAWING NUMBER: ST - 17B

CITY OF ELK GROVE - PUBLIC WORKS  
**ROLLED-IN RUMBLE STRIPS FOR INTERIM ROADWAY IMPROVEMENTS**

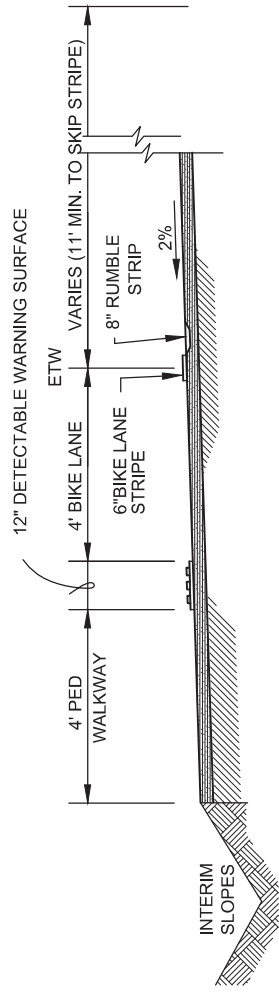
DATE:	NOT TO SCALE
09/22/2007	
REVISION	APPROVED
DATE	DATE



SECTION A-A

SECTION B-B

ASPHALT CONCRETE SURFACING ROLLED-IN INDENTATIONS



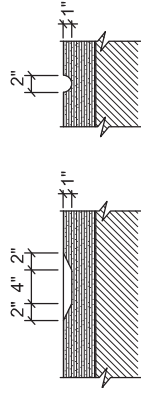
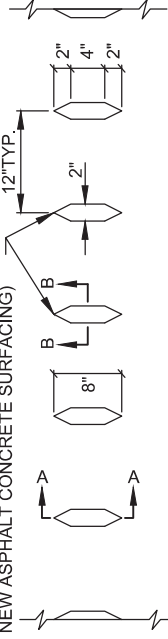
ROLLED-IN RUMBLE STRIP SHOULDER PLACEMENT DETAIL

1. ROLLED-IN RUMBLE STRIPS SHALL BE USED WHERE REQUIRED BY THE DIRECTOR OF THE DEPARTMENT OF TRANSPORTATION.
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3. RUMBLE STRIP SHALL STOP 120' FROM THE C.R. ON THE MAJOR ROAD APPROACHING ENTERING SIDE STREETS, AND BEGIN AT C.R. ON THE MAJOR ROAD DEPARTING ENTERING SIDE STREETS.
4. POSITION BIKE LANE LEGENDS BETWEEN RUMBLE STRIP AND EDGE LINE STRIPE.
5. EARTHEN SHOULDER MAY BE ELIMINATED IF SHOULDER CONFLICTS WITH TREES OR RIGHT-OF-WAY LIMITS AND FULL DEPTH ASPHALT SECTION IS USED.

APPROVED BY: *Paul F. Mudd*  
 CITY ENGINEER  
 DATE: 10/24/2018  
 DRAWING NUMBER: ST - 17C

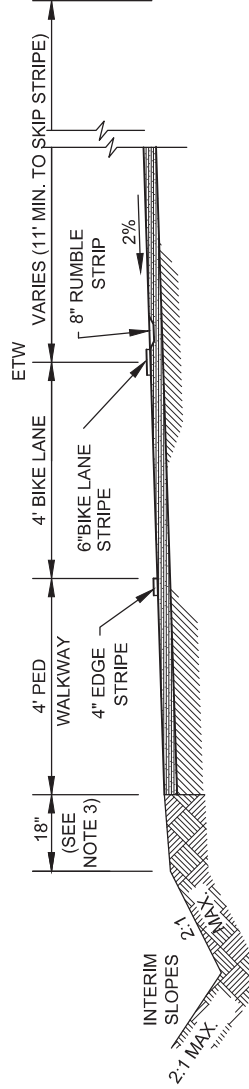
CITY OF ELK GROVE - PUBLIC WORKS	
<b>ROLLED-IN RUMBLE STRIPS FOR INTERIM ROADWAY IMPROVEMENTS</b>	
DATE: 09/22/2007	NOT TO SCALE
REVISION	APPROVED
	DATE

RUMBLE STRIPS (INDENTATIONS IN NEW ASPHALT CONCRETE SURFACING)



SECTION A-A SECTION B-B

ASPHALT CONCRETE SURFACING ROLLED-IN INDENTATIONS



ROLLED-IN RUMBLE STRIP SHOULDER PLACEMENT DETAIL

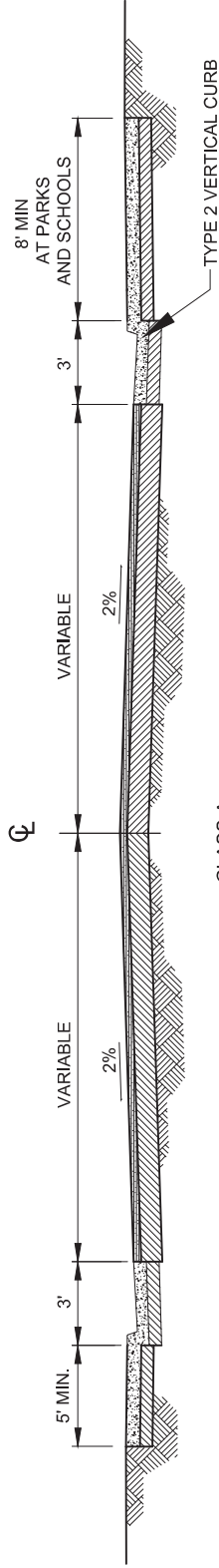
1. RUMBLE STRIP SHALL STOP 120' FROM THE C.R. ON THE MAJOR ROAD APPROACHING ENTERING SIDE STREETS, AND BEGIN AT C.R. ON THE MAJOR ROAD DEPARTING ENTERING SIDE STREETS.
2. POSITION BIKE LANE LEGENDS BETWEEN RUMBLE STRIP AND EDGE LINE STRIPE.
3. EARTHEN SHOULDER MAY BE ELIMINATED IF SHOULDER CONFLICTS WITH TREES OR RIGHT-OF-WAY LIMITS AND FULL DEPTH ASPHALT SECTION IS USED.

DATE:	NOT TO SCALE
09/22/2007	
REVISION	APPROVED
BY	DATE

CITY OF ELK GROVE - PUBLIC WORKS

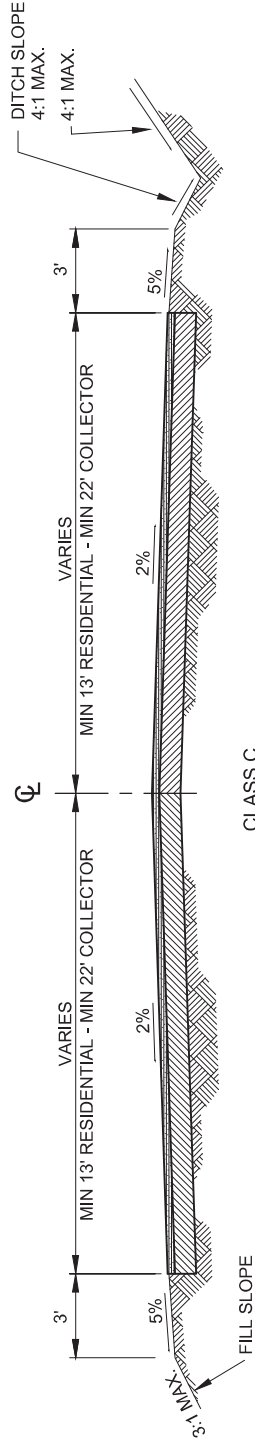
**TYPICAL SECTIONS INTERIM IMPROVEMENTS FOR SPECIAL THOROUGHFARE AND THOROUGHFARE STREETS WITH ROLLED-IN RUMBLE STRIPS**

APPROVED BY: *Paul F. Muldock*  
 CITY ENGINEER  
 DATE: 10/24/2018  
 DRAWING NUMBER: ST - 17D



CLASS A

CLASS B (SAME AS CLASS A EXCEPT SIDEWALKS MAY BE OMITTED)



CLASS C

DATE:	NOT TO SCALE
09/22/2007	
REVISION	APPROVED


CITY OF ELK GROVE - PUBLIC WORKS

**TYPICAL SECTIONS  
STREET CLASSES  
"A", "B" & "C"**

APPROVED BY: *Paul F. Mudd*  
CITY ENGINEER

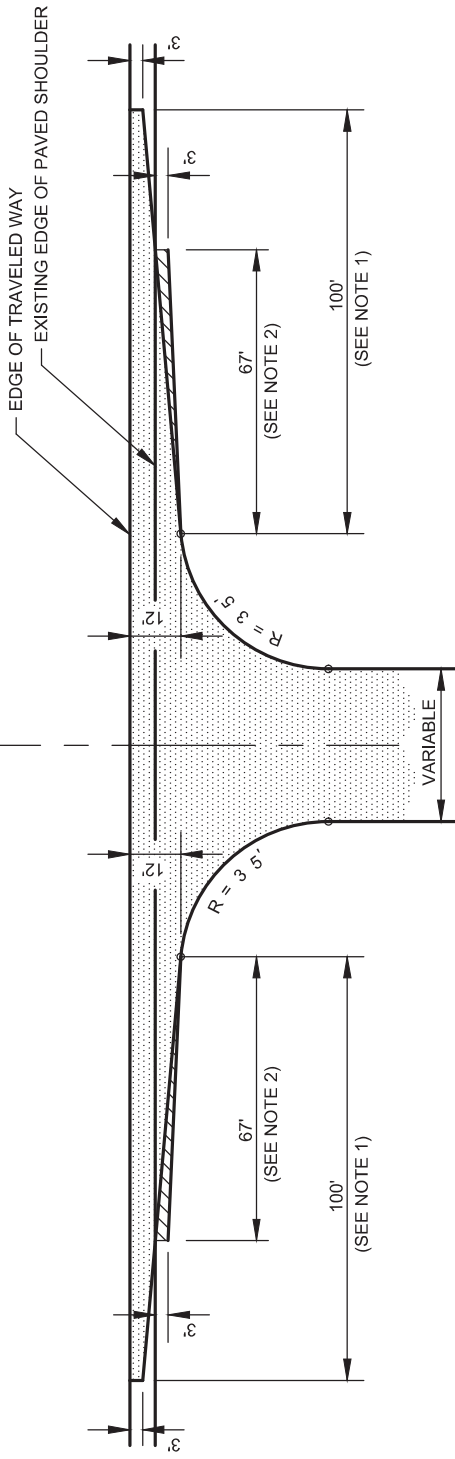
DATE: 10/24/2018

DRAWING NUMBER: **ST - 17**



84 FOOT TO 130 FOOT STREETS

(FOR STREETS LESS THAN 84', SEE NOTE 4)



**NOTE:**

1. USE 100' PAVEMENT TAPER SECTION WHEN MAJOR STREET SHOULDER IS UNPAVED OR SEAL COATED, OR WHERE PAVED SHOULDER IS LESS THAN 4' WIDE.
2. USE 67' PAVEMENT TAPER SECTION WHEN MAJOR STREET SHOULDER IS FULLY PAVED, AND A MINIMUM OF 4' WIDE.
3. FULL ROADBED STRUCTURAL SECTION TO BE PLACED IN ACCORDANCE WITH CITY STANDARDS FOR AREA TO BE PAVED.
4. PAVEMENT TAPER SECTION MAY BE DELETED WHERE NEW STREET INTERSECTS WITH MINOR OR COLLECTOR STREETS.

DATE:	NOT TO SCALE	
09/22/2007		
REVISION	APPROVED	DATE


CITY OF ELK GROVE - PUBLIC WORKS

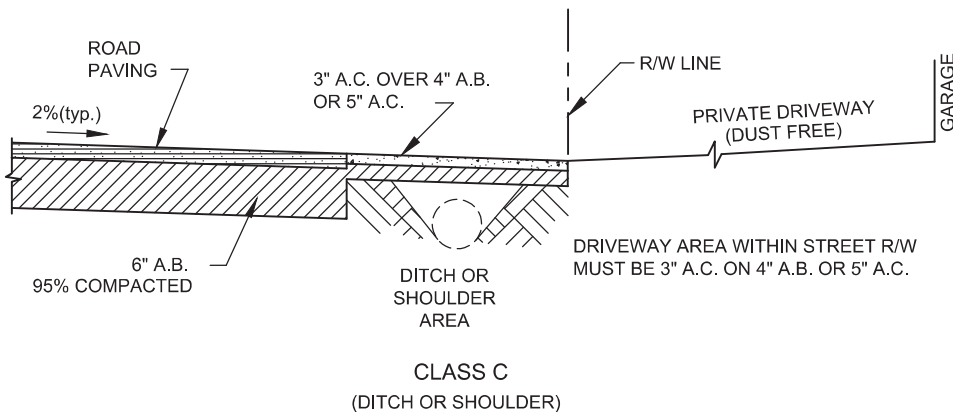
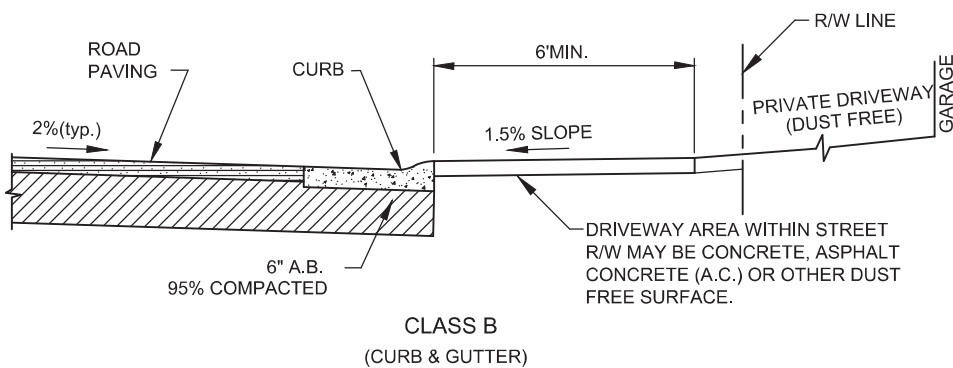
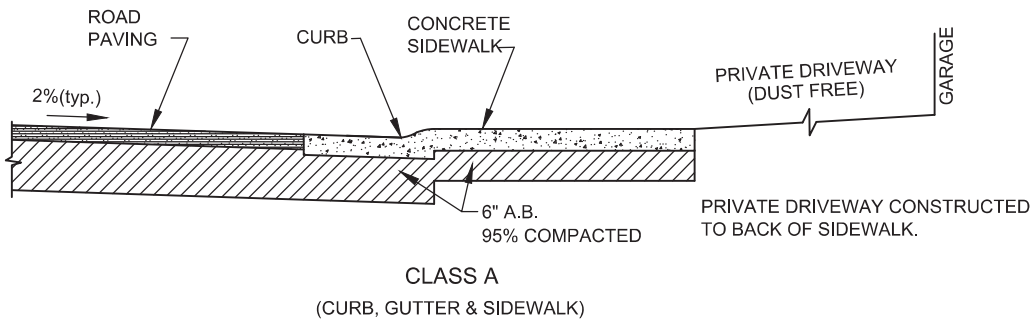
**CLASS "C" STREET INTERSECTION**

APPROVED BY: *Paul Mudd*  
 CITY ENGINEER

DATE: 10/24/2018

DRAWING NUMBER: **ST - 18**





NOTE: SEE CITY OF ELK GROVE IMPROVEMENT STANDARDS SECTION 4-10 FOR DRIVEWAY REQUIREMENTS.

DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE

CITY OF ELK GROVE - PUBLIC WORKS

**TYPICAL STREET SECTIONS  
AT RESIDENTIAL DRIVEWAYS**

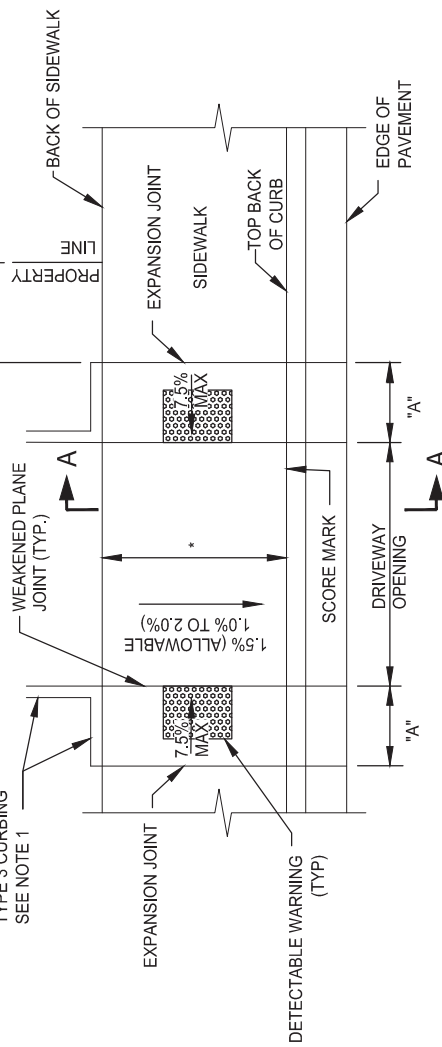
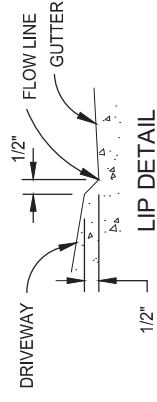
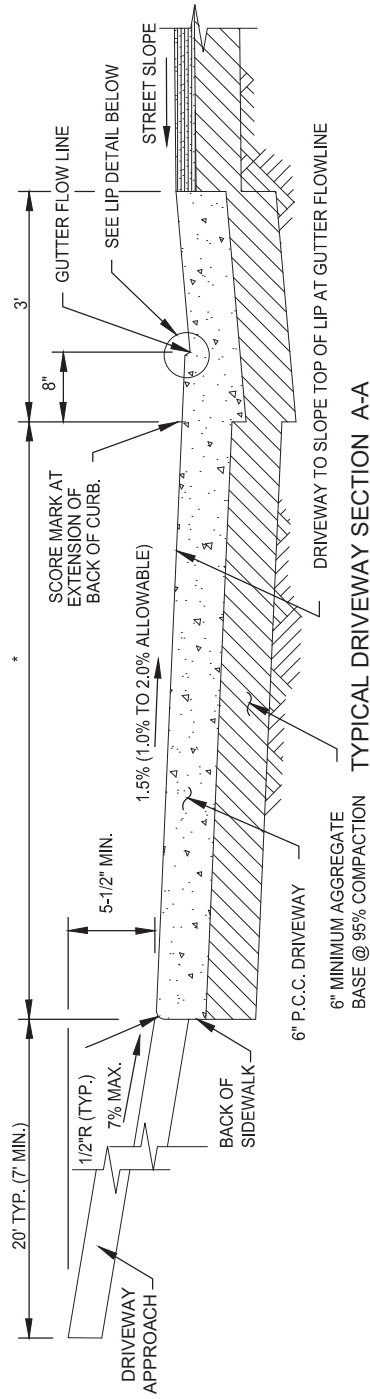
APPROVED BY:  
*Paul M. Muddoch*  
10/24/2018  
CITY ENGINEER DATE



DRAWING NUMBER

**ST - 19**





SLOPE OF GUTTER	"A" (APPROX. LENGTH)
0.25% TO 0.65%	6'-0"
> 0.65% TO 1.75%	7'-0"
> 1.75% TO 2.55%	8'-0"
> 2.55% TO 3.20%	9'-0"
> 3.20% TO 3.70%	10'-0"
	SEE NOTE 2

**NOTES:**

- TYPE 3 CURBING ON SITE SHALL EXTEND TO WHERE THE DRIVEWAY APPROACH IS A MINIMUM OF FOUR INCHES ABOVE THE BACK OF SIDEWALK ELEVATION AT THE DRIVEWAY.
  - LENGTH OF DRIVEWAY FLAIR ON STREETS STEEPER THAN 3.70% SHALL REQUIRE SPECIAL APPROVAL BY THE CITY ENGINEER.
  - A 1/2-INCH CONCRETE BATTER SHALL BE PLACED ON ALL CURB LIPS.
  - SEE STD. DWG. AR-4.7 FOR ELEMENTS NOT SHOWN HEREON.
- \* DRIVEWAY APRON MATCHES SIDEWALK WIDTH

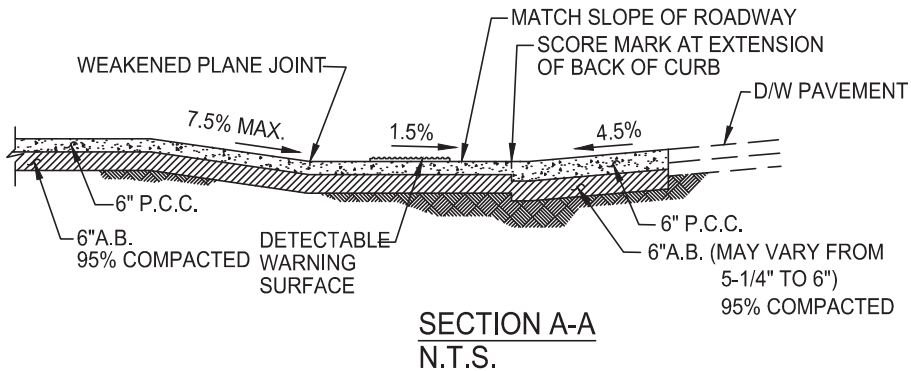
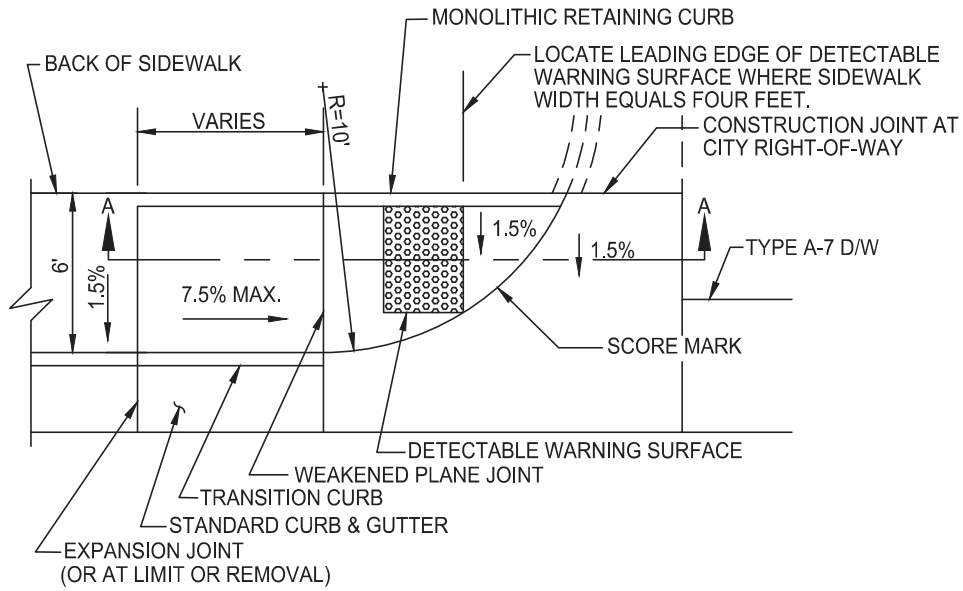
APPROVED BY: *Robert M. ...* 02/17/2021  
 CITY ENGINEER DATE  
 DRAWING NUMBER  
**ST - 20**

CITY OF ELK GROVE - PUBLIC WORKS

**COMMERCIAL DRIVEWAYS  
TYPE A-6**

DATE	NOT TO SCALE
09/22/2007	

REVISION	BY	APPROVED	DATE
01	LM	TW	07/18/2019
02	STN	JRW	02/16/2021



NOTES:

1. IT MAY BE USED FOR RECONSTRUCTION OF TYPE A-7 DRIVEWAYS IN AREAS WITHOUT SUFFICIENT RIGHT-OF-WAY FOR STANDARD TYPE A-7 DRIVEWAY CONSTRUCTION AND WITHOUT WALKWAY EXTENSION ON TO ABUTTING PROPERTY.
2. NO PULL BOX, UTILITY VAULT, UTILITY POLE, MANHOLE OR SIMILAR APPURTENANCE SHALL BE LOCATED WITHIN SIDEWALK RAMP AREA.
3. IT IS DESIRABLE TO LOCATE ALL DRAIN INLETS OUT OF SIDEWALK RAMP AREA. USE OF DRAIN INLET WITHIN RAMP AREA REQUIRES SPECIAL DESIGN OF INLETS.


DATE 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
01	LM	TW	07/18/2019
02	STN	JRW	02/16/2021

CITY OF ELK GROVE - PUBLIC WORKS

**SIDEWALK RAMP FOR A-7 DRIVEWAYS  
WITHOUT ADDITIONAL R/W  
(NOT FOR NEW CONSTRUCTION)**

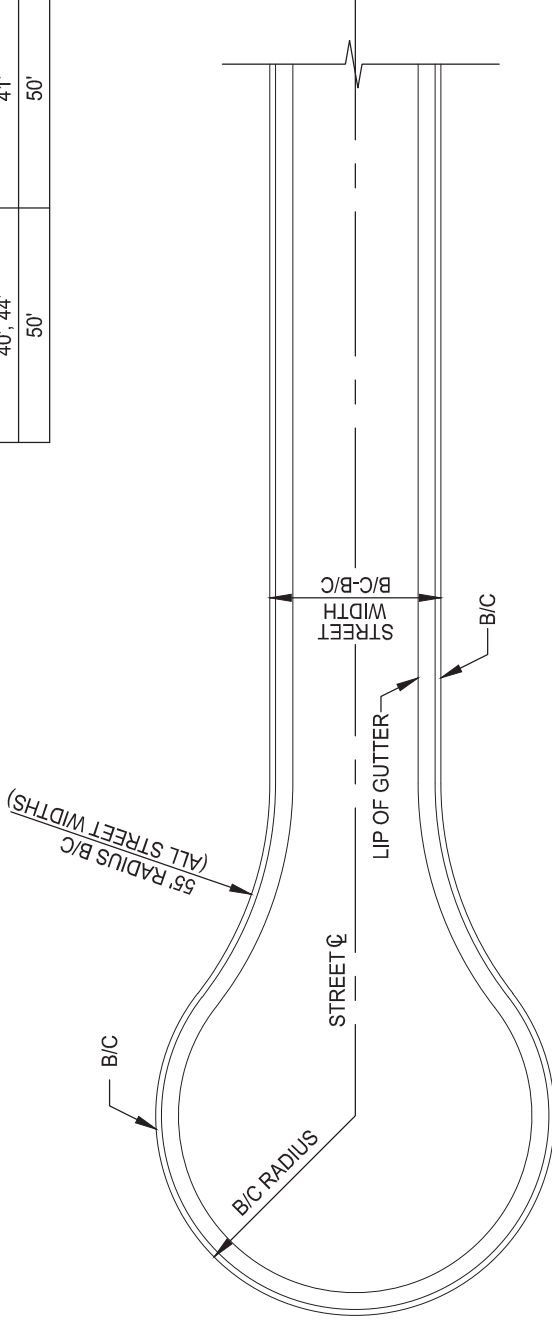
APPROVED BY:  
*Robert Mordock* 02/26/2021  
CITY ENGINEER DATE

DRAWING NUMBER  
**ST - 21B**





BULB RADIUS REQUIREMENTS	
STREET RW WIDTH	B/C RADIUS @ BULB
40', 44'	41'
50'	50'

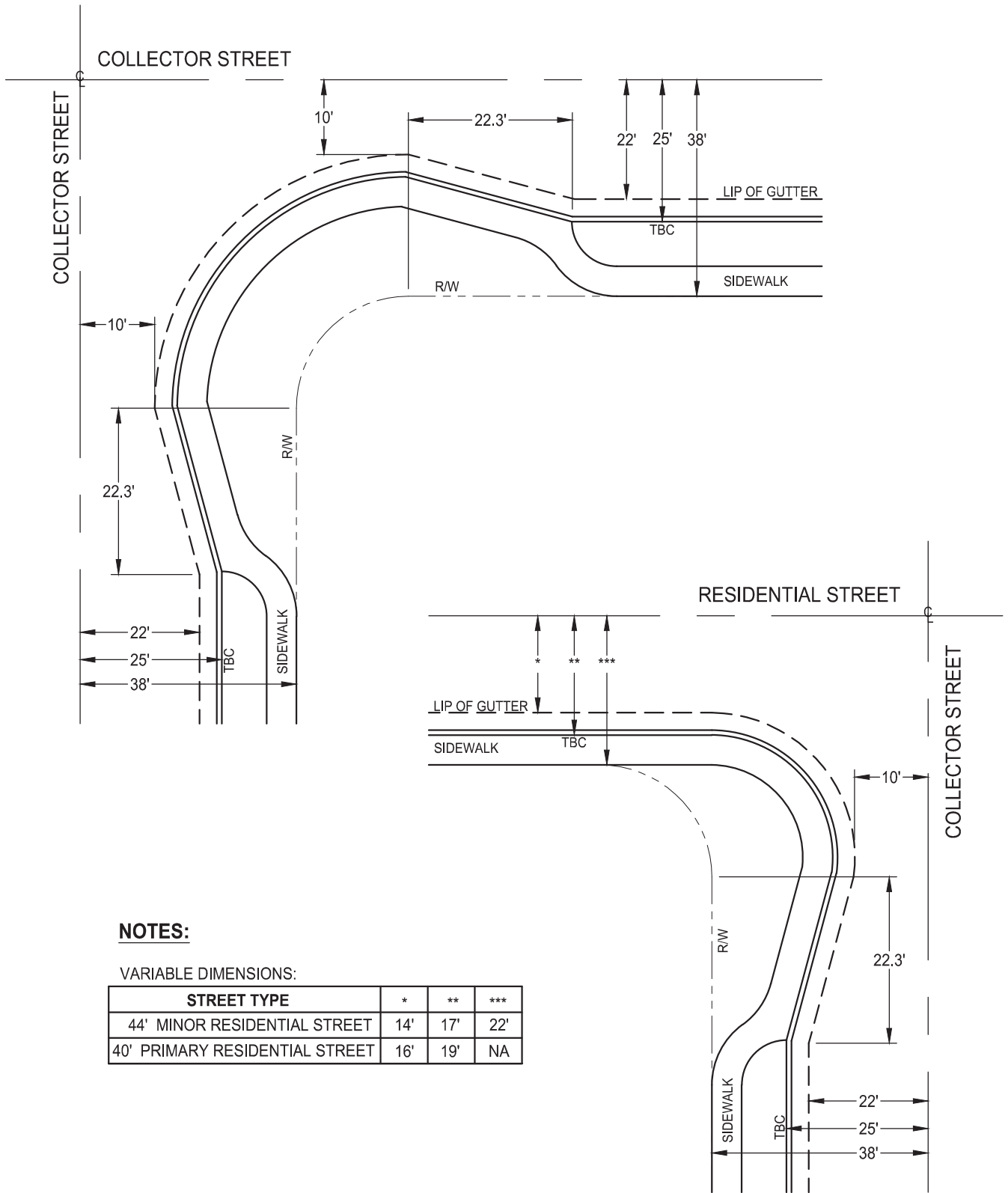


**NOTES:**

1. A STANDARD W14-1 ("DEAD END") SIGN MAY BE REQUIRED AT THE ENTRANCE TO THE CUL-DE-SAC (SEE SECTION 4-27).
2. NO CUL-DE-SAC SHALL EXCEED 600 FEET IN LENGTH, MEASURED AS THE DISTANCE FROM THE CENTERLINE OF THE INTERSECTING STREET TO THE CENTER OF THE CUL-DE-SAC BULB.

DATE: 03-02-2022		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	STN	SA	03-02-2022
<b>CITY OF ELK GROVE - PUBLIC WORKS</b>			
<b>CUL-DE-SAC</b>			
APPROVED BY: <i>[Signature]</i>		DATE: 03-02-2022	
CITY ENGINEER		DRAWING NUMBER	
		<b>ST - 23</b>	





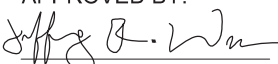
**NOTES:**

VARIABLE DIMENSIONS:

STREET TYPE	*	**	***
44' MINOR RESIDENTIAL STREET	14'	17'	22'
40' PRIMARY RESIDENTIAL STREET	16'	19'	NA

DATE 03-02-2022		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
01	STN	SA	03-02-2022

CITY OF ELK GROVE - PUBLIC WORKS

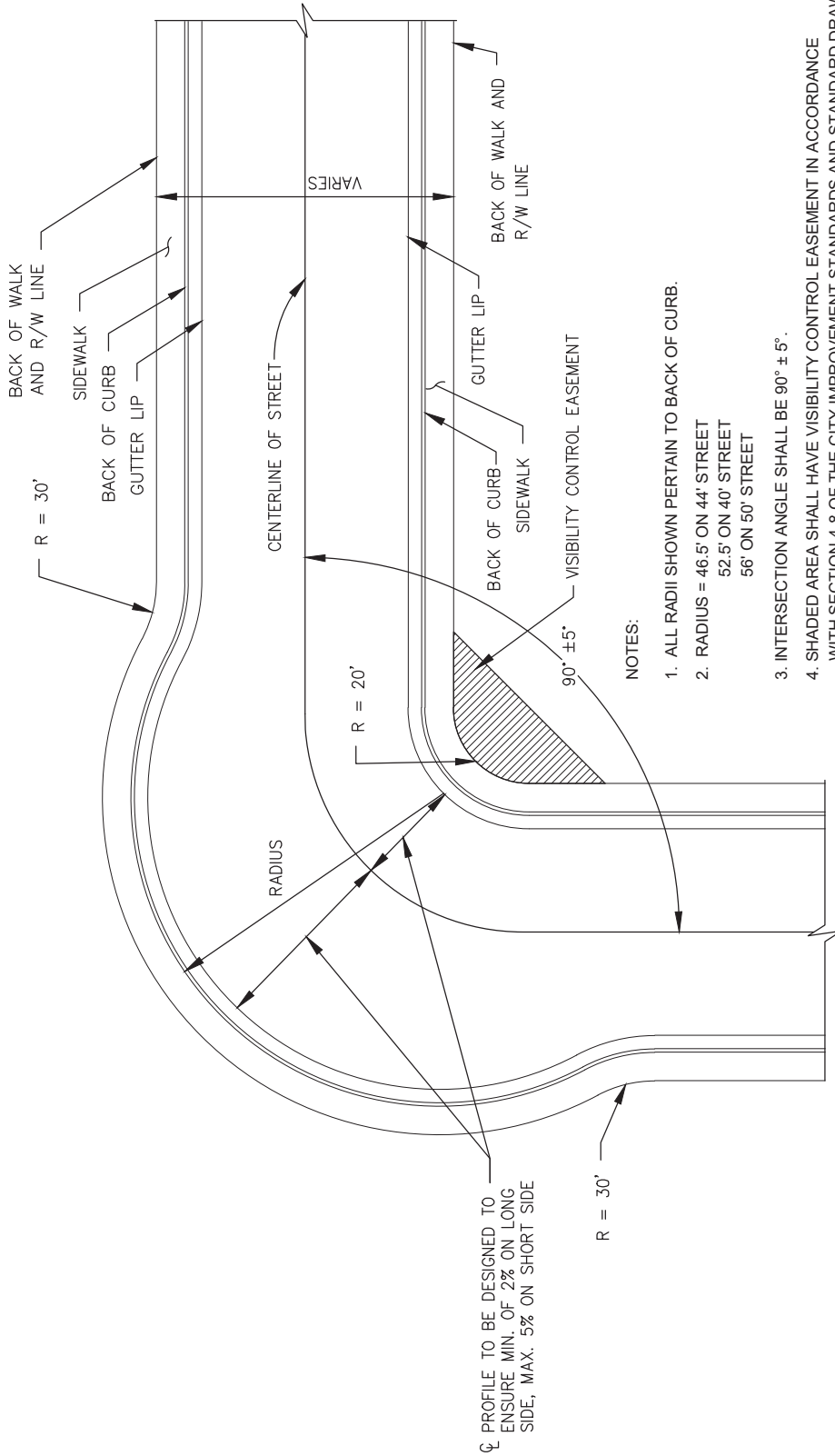
APPROVED BY:  
  
 CITY ENGINEER      03-02-2022  
 DATE

**BULB-OUT DETAIL**



DRAWING NUMBER

**ST - 24**




NOTES:

1. ALL RADII SHOWN PERTAIN TO BACK OF CURB.
2. RADIUS = 46.5' ON 44' STREET  
52.5' ON 40' STREET  
56' ON 50' STREET
3. INTERSECTION ANGLE SHALL BE 90° ± 5°.
4. SHADED AREA SHALL HAVE VISIBILITY CONTROL EASEMENT IN ACCORDANCE WITH SECTION 4-8 OF THE CITY IMPROVEMENT STANDARDS AND STANDARD DRAWING ST-26.1 AND ST-26.2 (PERMANENT BUILDINGS EXCEPTED WITHIN SETBACK LINE).

APPROVED BY: *[Signature]* 03-02-2022  
 CITY ENGINEER DATE

DRAWING NUMBER  
**ST - 25**

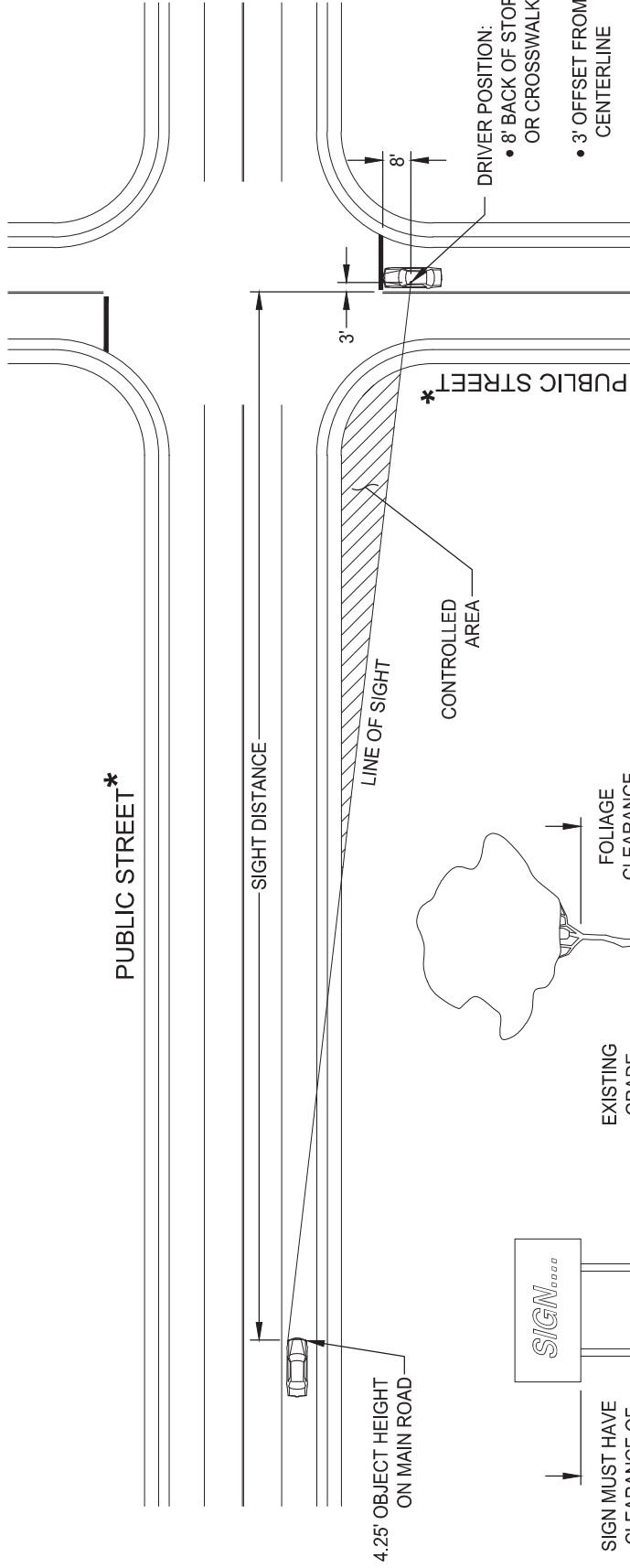


CITY OF ELK GROVE - PUBLIC WORKS

**90 DEGREE INTERSECTION  
 ELBOW**

DATE:	NOT TO SCALE		
03-02-2022			
REVISION	BY	APPROVED	DATE
1	STN	SA	03-02-2022

☺ PROFILE TO BE DESIGNED TO ENSURE MIN. OF 2% ON LONG SIDE, MAX. 5% ON SHORT SIDE



- DRIVER POSITION:**
- 8' BACK OF STOP BAR OR CROSSWALK
  - 3' OFFSET FROM CENTERLINE
  - EYE OF DRIVER MEASURED 3.5' ABOVE PAVEMENT

**NOTES:**

1. SHOW LINE OF SIGHT AND SIGHT DISTANCE FOR ALL APPROACHES OF EACH INTERSECTION.
  2. SIGHT DISTANCE SHALL COMPLY WITH THE CITY OF ELK GROVE IMPROVEMENT STANDARDS SECTION 4-8.
- \*** FOR STREETS 48 FEET OR WIDER MEASURED FROM BACK OF CURB TO BACK OF CURB, OR AS REQUIRED BY THE DIRECTOR.

**CLEARANCE REQUIRED WITHIN CONTROLLED AREA**


NOT TO SCALE		APPROVED	DATE
REVISION	BY	SA	08-17-2021
1	STN		

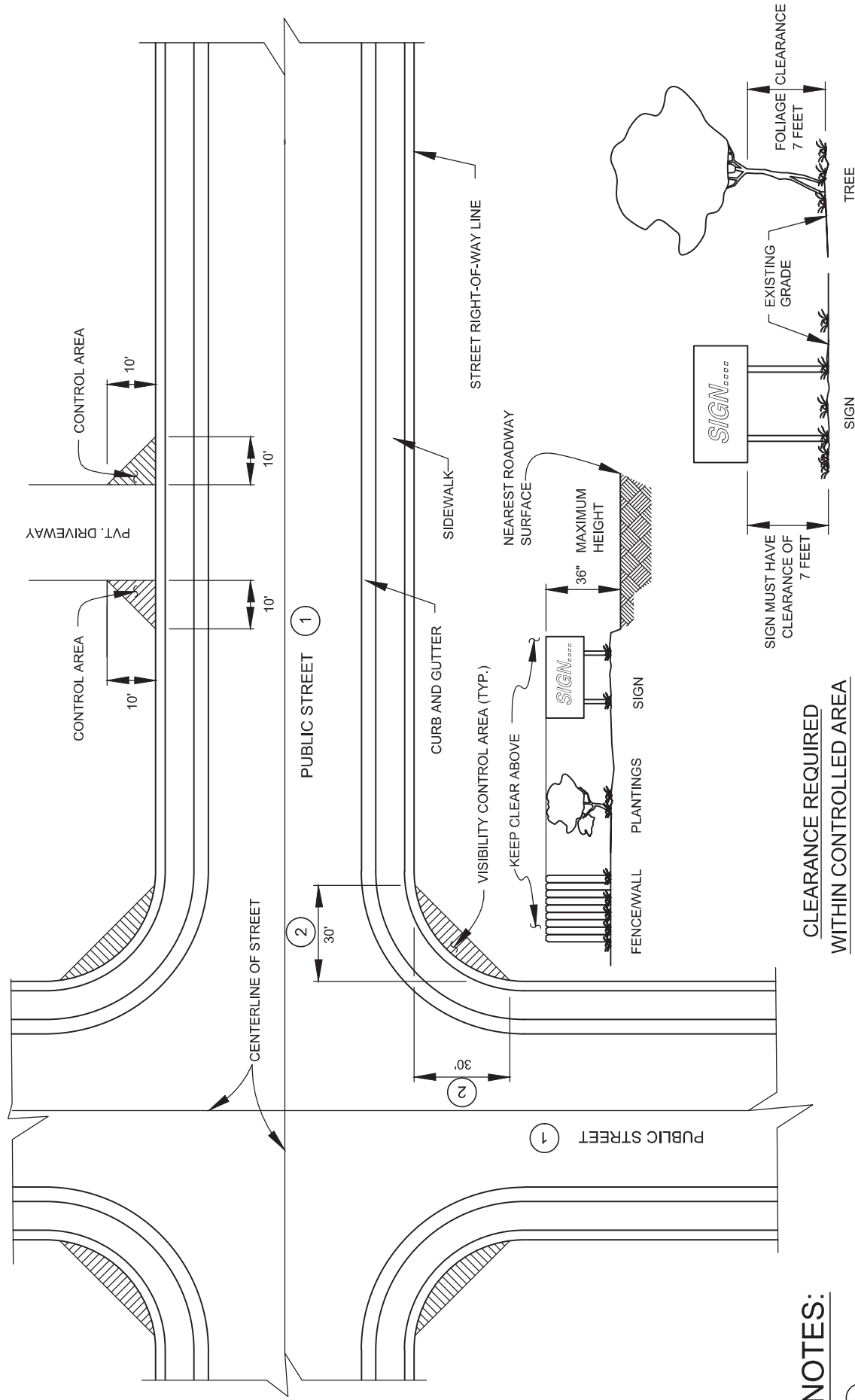
**CITY OF ELK GROVE - PUBLIC WORKS**

**MINIMUM SIGHT DISTANCE AT INTERSECTIONS AND NON-RESIDENTIAL DRIVEWAYS**

APPROVED BY: *Jeffrey B. W...* 08-18-2021  
 CITY ENGINEER DATE

DRAWING NUMBER  
**ST - 26.1**

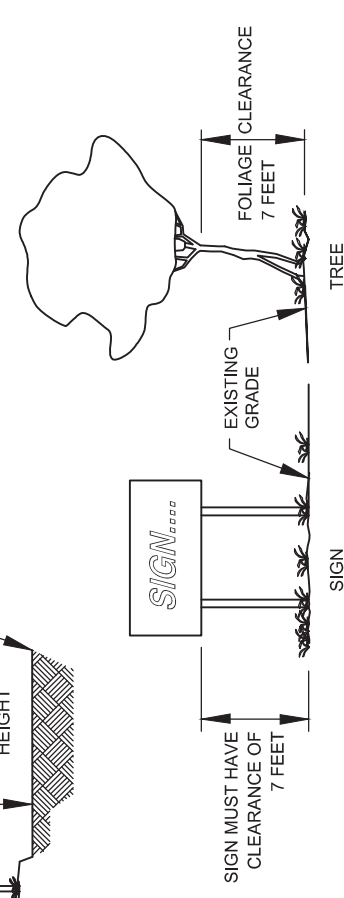




**NOTES:**

- ① FOR STREETS LESS THAN 48 FEET MEASURED FROM BACK OF CURB TO BACK OF CURB, VISIBILITY CONTROL AREAS MAY BE REDUCED TO A 20' X 20' TRIANGLE AT STOP OR SIGNAL CONTROLLED INTERSECTIONS.
- ②

**CLEARANCE REQUIRED WITHIN CONTROLLED AREA**




DATE:	NOT TO SCALE	
09/22/2007		
REVISION	APPROVED	DATE

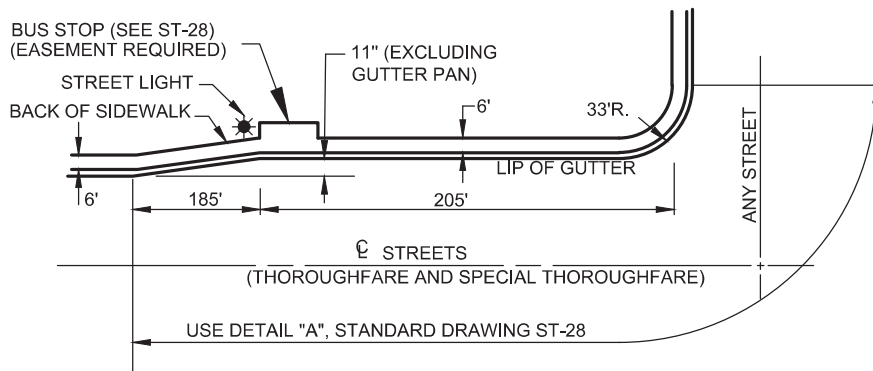
**CITY OF ELK GROVE - PUBLIC WORKS**

**VISIBILITY REQUIREMENTS  
CITY OF ELK GROVE**

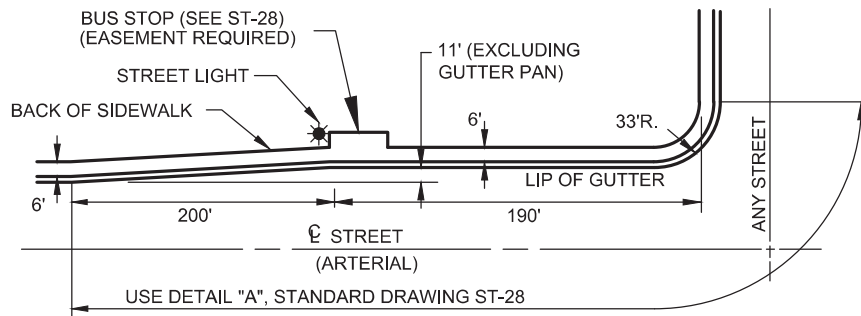
APPROVED BY: *Robert M. Mudd*  
 CITY ENGINEER  
 DATE: 10/24/2018  
 DRAWING NUMBER: **ST - 26.2**



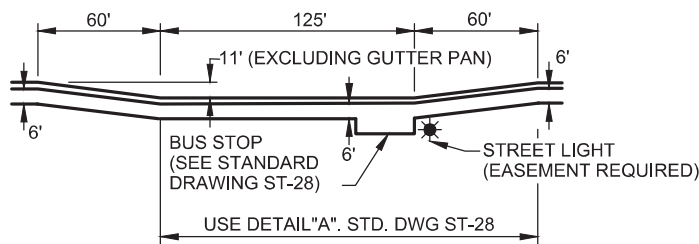




BUS TURNOUT ON THOROUGHFARE STREETS



BUS TURNOUT ON ARTERIAL STREETS



TYPICAL MID-BLOCK BUS TURNOUT

DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE

CITY OF ELK GROVE - PUBLIC WORKS

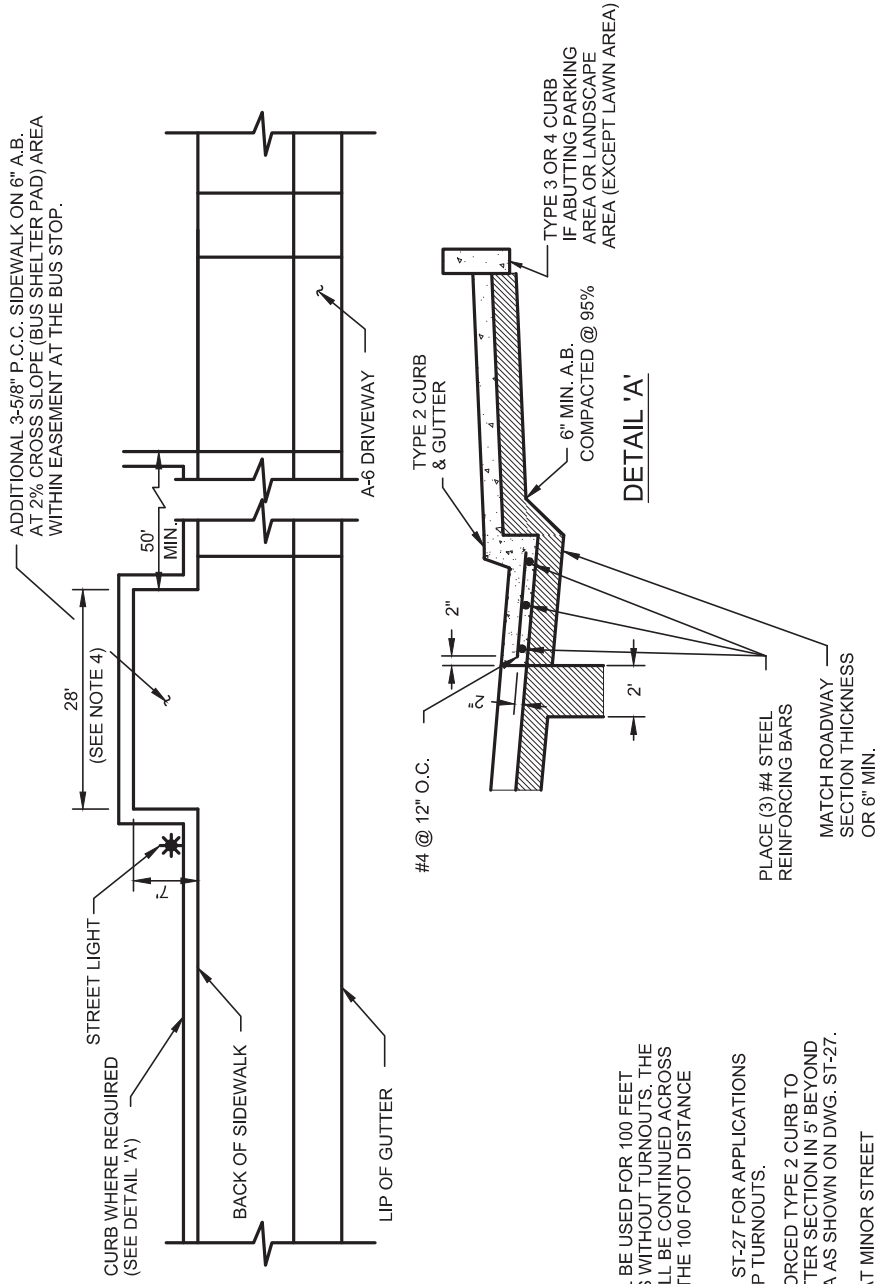
APPROVED BY:  
*Paul M. Muddoch*  
CITY ENGINEER  
10/24/2018  
DATE

**BUS TURNOUTS**



DRAWING NUMBER

**ST - 27**




**NOTES:**

1. DETAIL 'A' SECTION SHALL BE USED FOR 100 FEET EACH SIDE OF BUS STOPS WITHOUT TURNOUTS. THE REINFORCING STEEL SHALL BE CONTINUED ACROSS ANY DRIVEWAYS WITHIN THE 100 FOOT DISTANCE FROM THE BUS STOP.
2. SEE STANDARD DRAWING ST-27 FOR APPLICATIONS OF DETAIL 'A' AT BUS STOP TURNOUTS.
3. TRANSITION FROM REINFORCED TYPE 2 CURB TO ABUTTING CURB AND GUTTER SECTION IN 5' BEYOND LIMITS OF BUS STOP AREA AS SHOWN ON DWG. ST-27.
4. PAD LENGTH MAY BE 14' AT MINOR STREET INTERSECTIONS & MID. BLOCK LOCATIONS.

APPROVED BY: *Paul F. Mudd*  
 CITY ENGINEER  
 DATE: 10/24/2018

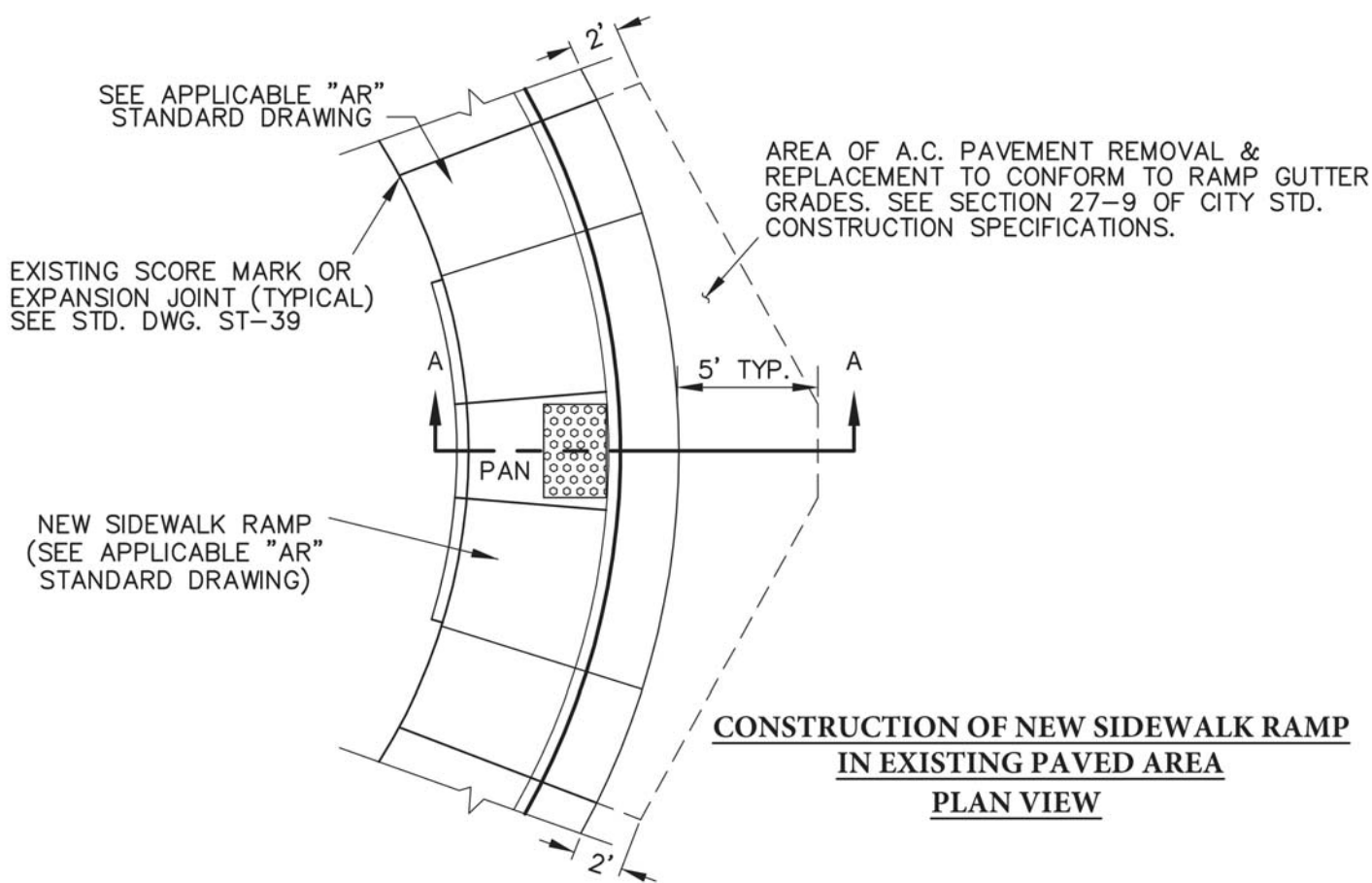
DRAWING NUMBER  
**ST - 28**



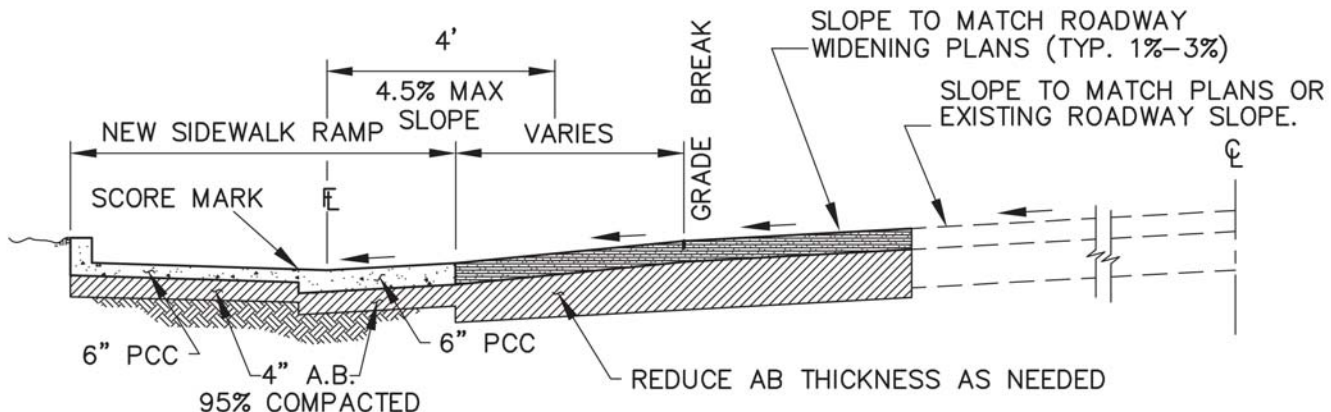
CITY OF ELK GROVE - PUBLIC WORKS

# BUS STOP DETAILS

DATE:	NOT TO SCALE
09/22/2007	
REVISION	APPROVED



**CONSTRUCTION OF NEW SIDEWALK RAMP  
IN EXISTING PAVED AREA  
PLAN VIEW**



**CONSTRUCTION OF NEW SIDEWALK RAMP  
WITH PAVEMENT WIDENING  
SECTION A - A**


DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	LM	TW	07-18-2019

CITY OF ELK GROVE - PUBLIC WORKS

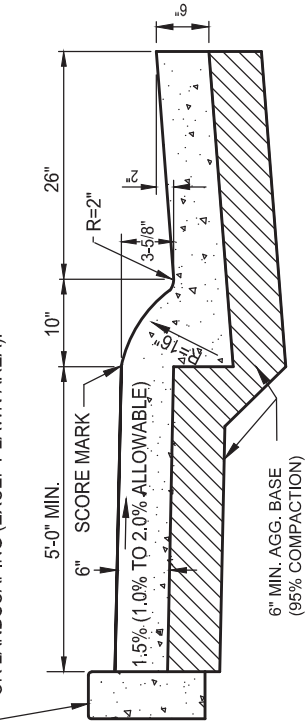
**A.C. CONFORMS TO NEW SIDEWALK  
RAMP RE-CONSTRUCTION**

APPROVED BY:  
*Robert M. ...* 1/16/2020  
CITY ENGINEER DATE

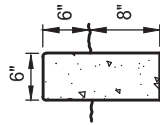
DRAWING NUMBER  
**ST - 30**



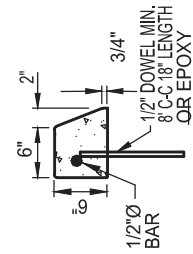
INSTALL TYPE 3 OR TYPE 4 CURB IF ABUTTING PARKING AREA OR LANDSCAPING (EXCEPT LAWN AREA).



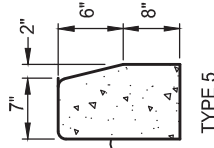
TYPE 1A & TYPICAL SIDEWALK



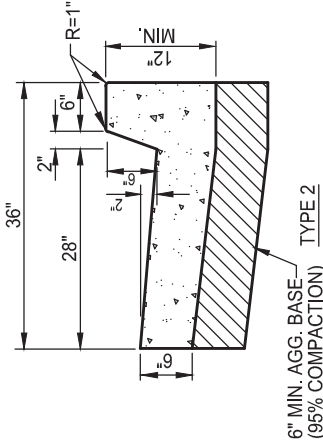
TYPE 3



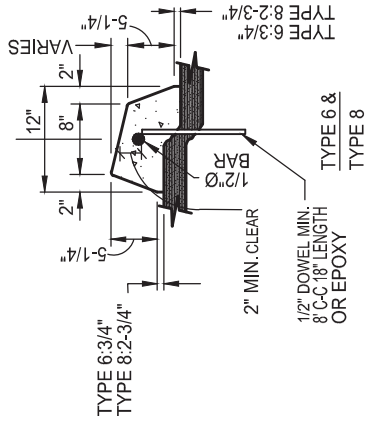
TYPE 4 & 4A  
(4A REQUIRES BOTH DOWELS AND EPOXY)



TYPE 5



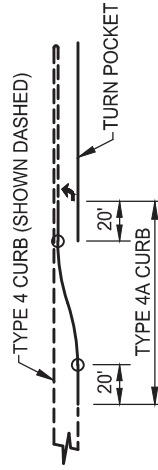
6" MIN. AGG. BASE (95% COMPACTION) TYPE 2



1/2" DOWEL MIN. 8" C-C 18" LENGTH OR EPOXY  
TYPE 6 & TYPE 8

NOTES:  
SEE SECTION 27-3.01 FOR REQUIREMENT FOR EXPANSION JOINTS, WEAKENED PLANE JOINTS AND SCORE MARKS.  
1/2" RADIUS ON EXPOSED EDGES UNLESS NOTED OTHERWISE.

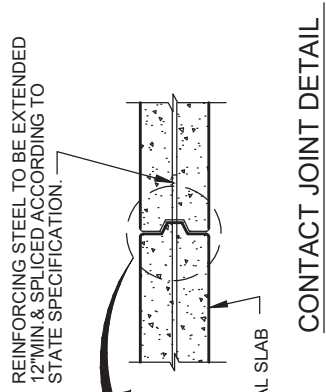
SEE ST-28 FOR BUS STOP DETAIL  
A 1/2-INCH CONCRETE BATTER SHALL BE PLACED ON ALL CURB LIPS.



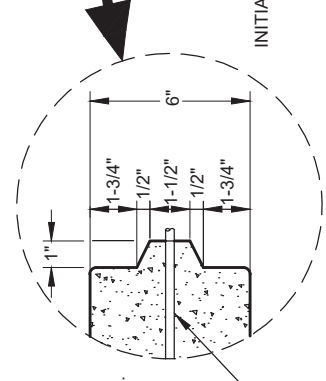
PLAN FOR TYPICAL PLACEMENT OF TYPE 4A CURB

DATE: 09/22/2007		NOT TO SCALE		CITY OF ELK GROVE - PUBLIC WORKS	
REVISION	BY	APPROVED	DATE	APPROVED BY: <i>Robert Mueck</i>	
				CITY ENGINEER	DATE 10/24/2018
				DRAWING NUMBER	
				ST - 31	

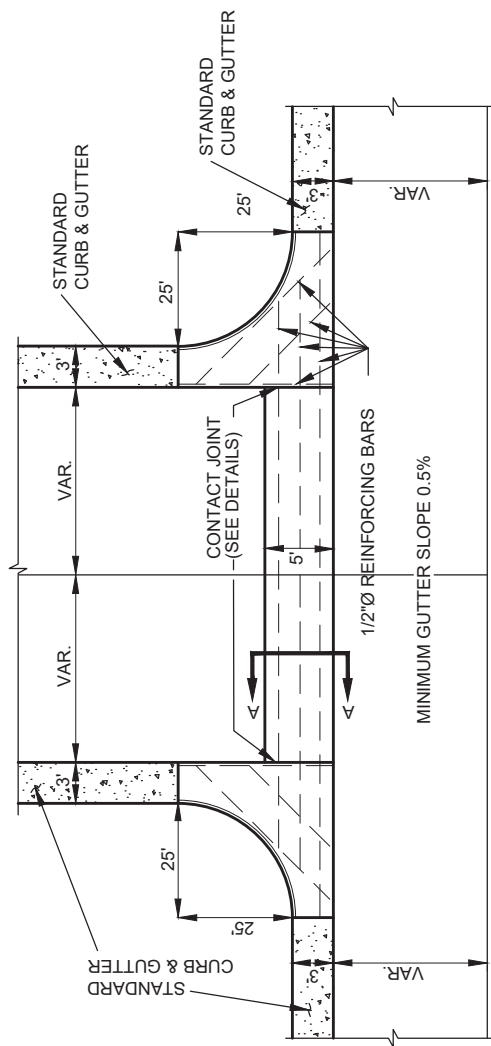




**CONTACT JOINT DETAIL**



**SECTION A-A**



**PLAN**

**NOTE:**


6\"/>

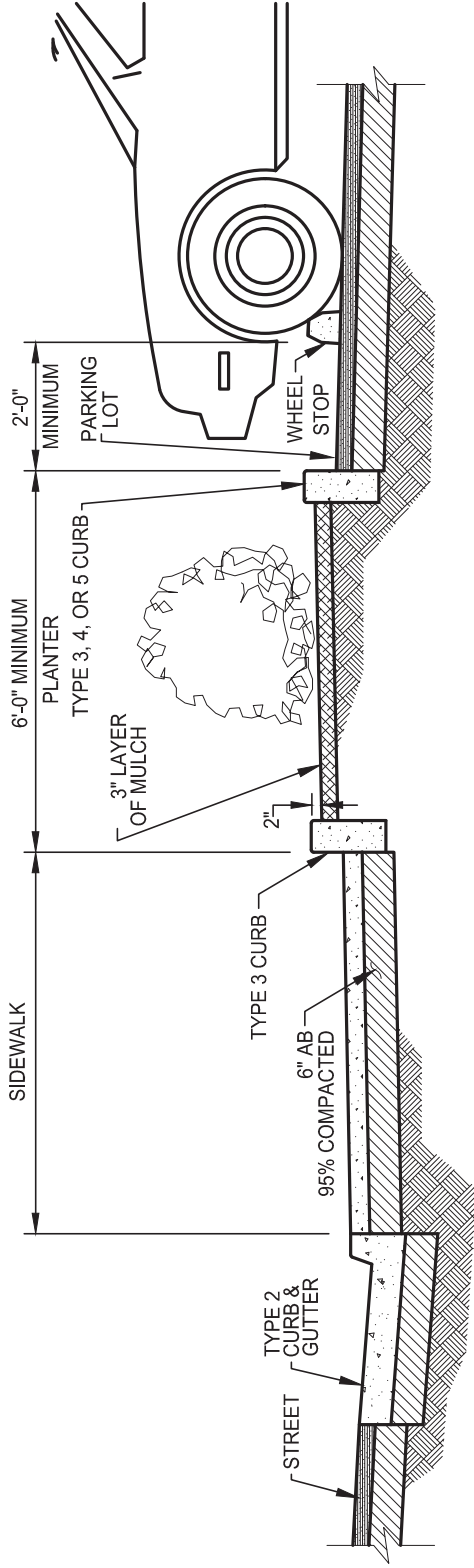
DATE	NOT TO SCALE	
09/22/2007		
REVISION	APPROVED	DATE
01	JRW	02/16/2021

**CITY OF ELK GROVE - PUBLIC WORKS**

**CROSS GUTTER**

APPROVED BY: *Robert M. ...*  
 CITY ENGINEER  
 DATE: 02/26/2021  
 DRAWING NUMBER: **ST - 32**






NOTES:

1. FOR 72', 96', & 118' STREET WIDTHS AND COMMERCIAL DEVELOPMENT.
2. SEE SECTION 4-20 FOR REQUIREMENTS.
3. TYPE 3 CURB AT THE BACK OF SIDEWALK MAY BE OMITTED IF LAWN IS PLANTED TO THE BACK OF SIDEWALK.
4. SIDEWALKS SHALL BE SEPARATED ON ALL 72', 96', & 118' STREETS

APPROVED BY: *Paul Mulick*  
 CITY ENGINEER  
 DATE: 10/24/2018

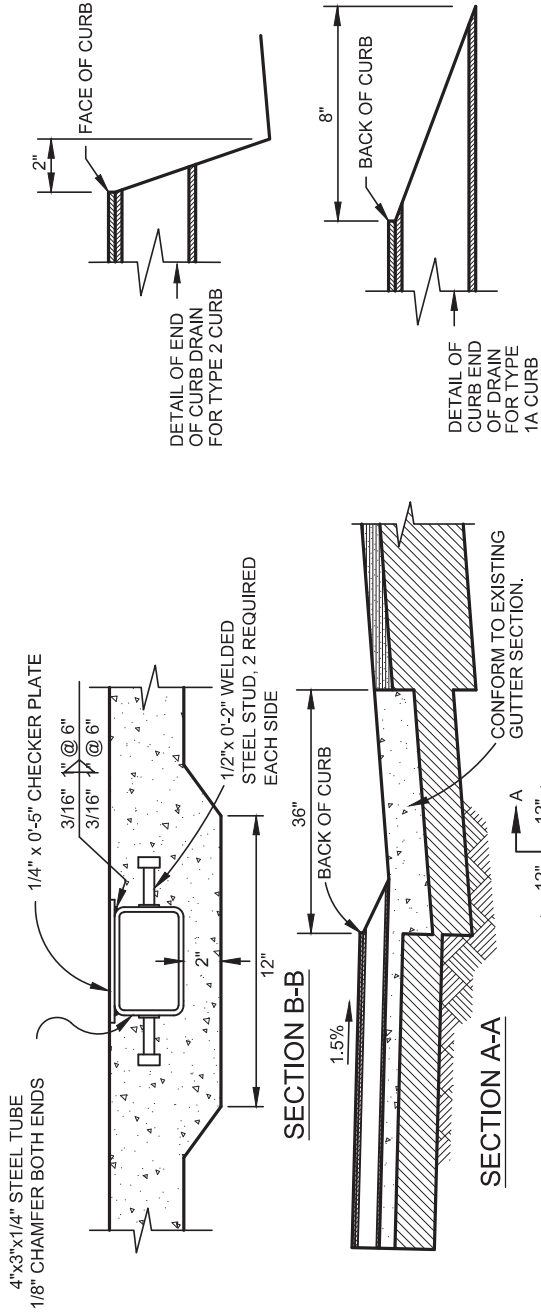
DRAWING NUMBER  
**ST - 33**



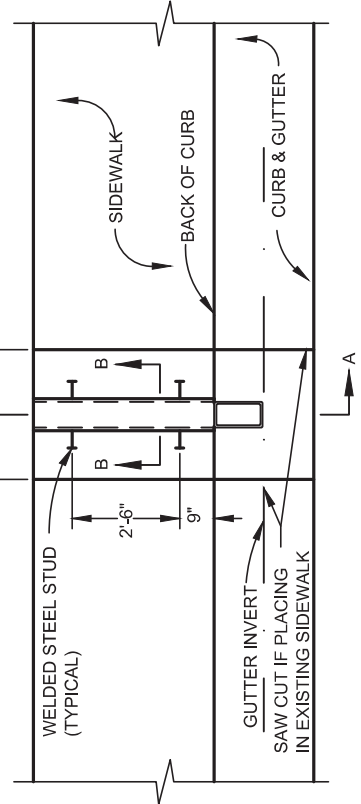
CITY OF ELK GROVE - PUBLIC WORKS

**BARRIER CURB DETAIL**

DATE:	NOT TO SCALE		
09/22/2007			
REVISION	BY	APPROVED	DATE



NOTE:  
GALVANIZE AFTER FABRICATION



PLAN VIEW OF CURB, GUTTER & SIDEWALK

DATE:	NOT TO SCALE
09/22/2007	
REVISION BY	APPROVED DATE


CITY OF ELK GROVE - PUBLIC WORKS

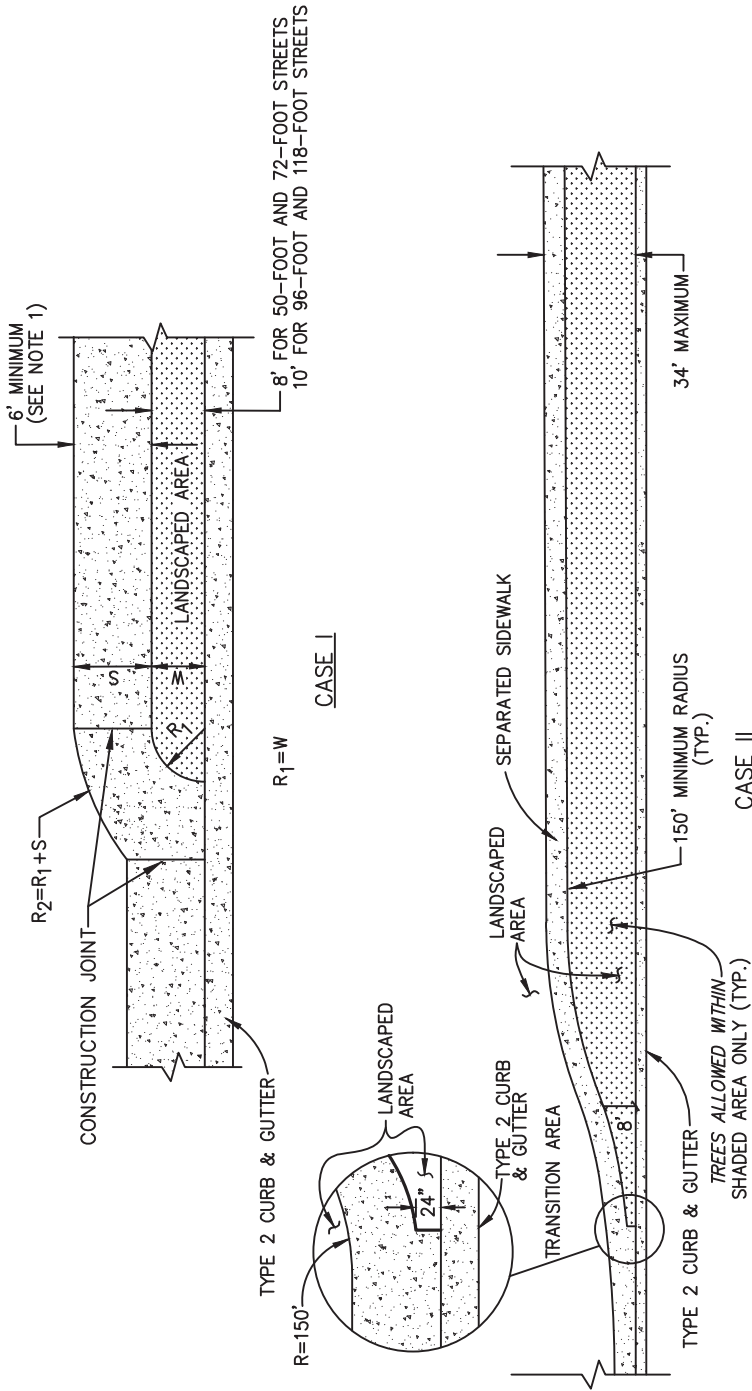
**UNDER SIDEWALK DRAIN**

APPROVED BY: *Paul F. Muldock*  
CITY ENGINEER

10/24/2018  
DATE

DRAWING NUMBER  
**ST - 34**





NOTE:

1. ON THOROUGHFARES, ARTERIALS, AND WHERE 6 FOOT SIDEWALKS ARE REQUIRED BY THE IMPROVEMENT STANDARDS. 5 FOOT MINIMUM ALL OTHER LOCATIONS.
2. CROSS SLOPE OF SEPARATED SIDEWALK TO BE 1.5% (1.0% TO 2.0% ALLOWABLE). LONGITUDINAL GRADE NOT TO EXCEED 5%.
3. USE OF SEPARATED SIDEWALKS WILL REQUIRE STREET LIGHTING REVIEW IN RELATION TO LANDSCAPE PLAN, AND MAY REQUIRE ADDITIONAL SIDEWALK LIGHTING.
4. COMPACTION UNDER SEPARATED SIDEWALK AREA AT 90%, UNDER ATTACHED AREA AT 95%.

APPROVED BY: *Paul F. Muddick*  
 CITY ENGINEER  
 DATE: 10/24/2018



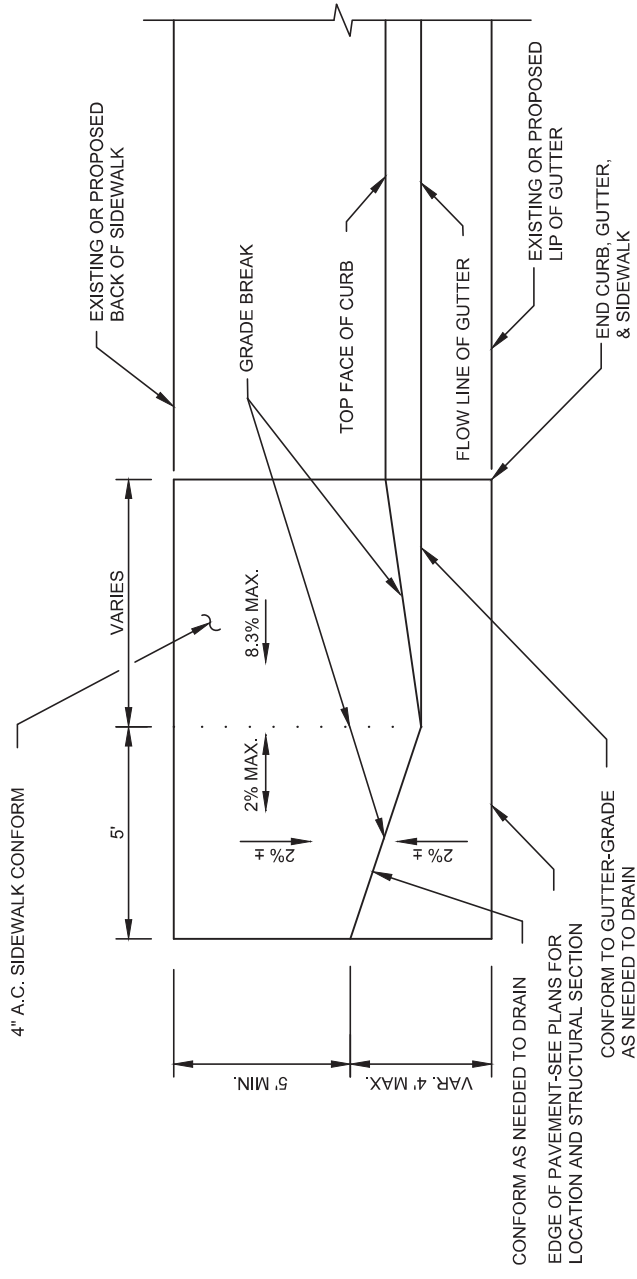
DRAWING NUMBER  
**ST - 35**

CITY OF ELK GROVE - PUBLIC WORKS

**SEPARATED (OR DETACHED) SIDEWALK TRANSITION**

DATE:	NOT TO SCALE
09/22/2007	
REVISION	DATE
BY	APPROVED





NOTE: A SIDEWALK BARRICADE SHALL BE REQUIRED IF THE END OF THE A.C. SIDEWALK CONFORM ABUTS A DRAINAGE DITCH OR ANY OTHER SURFACE THAT WOULD POSE A HAZARD TO PEDESTRIANS.


DATE:	NOT TO SCALE	
09/22/2007		
REVISION	APPROVED	DATE

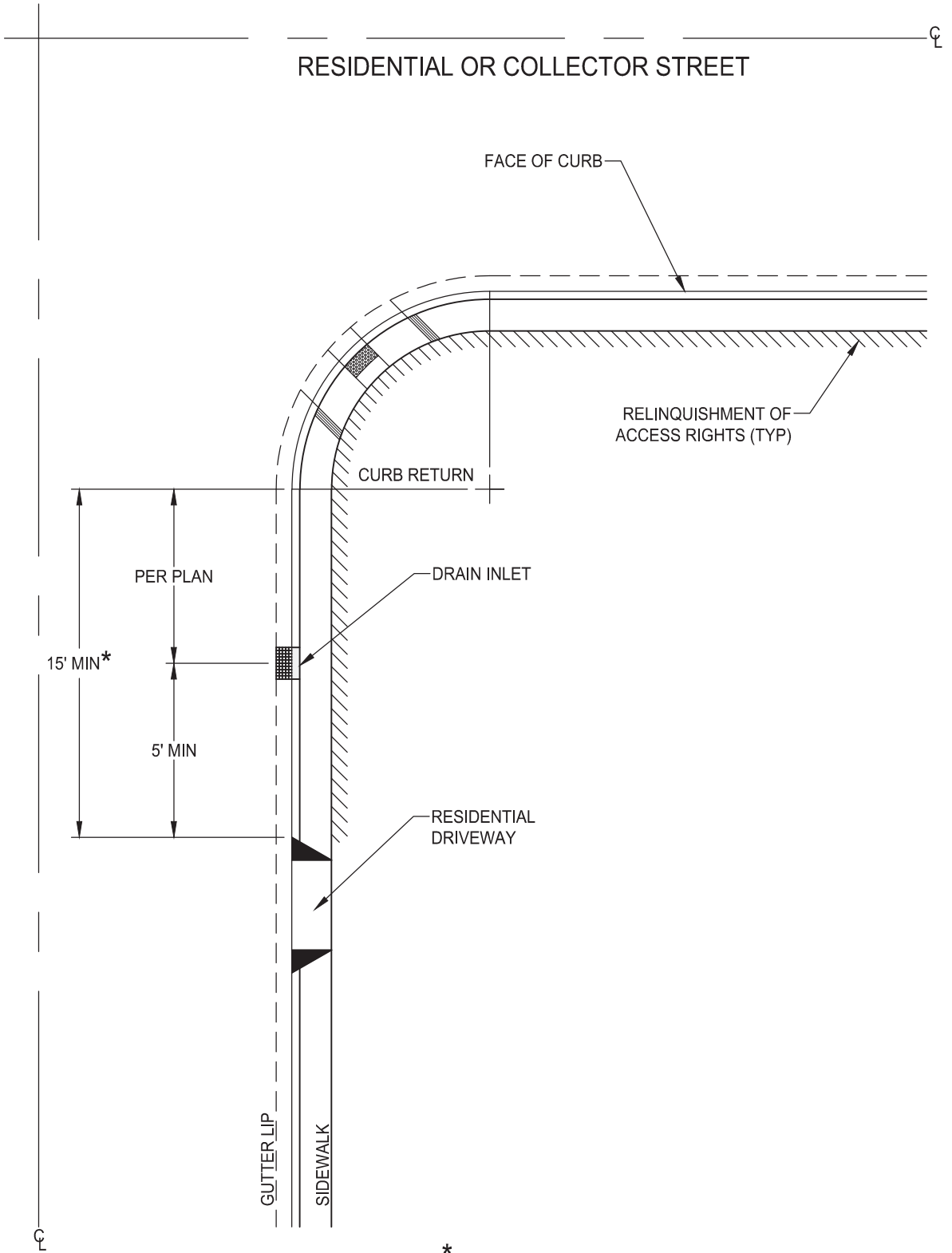
CITY OF ELK GROVE - PUBLIC WORKS

**A.C. SIDEWALK CONFORM**

APPROVED BY: *Robert M. Mudd*  
 CITY ENGINEER  
 DATE: 10/24/2018

DRAWING NUMBER  
**ST - 36**





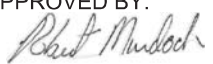
\* THE 15' DIMENSION MAY BE REDUCED AS DETERMINED BY THE DIRECTOR WHERE LOTS ARE LESS THAN 56' WIDE.

DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE


CITY OF ELK GROVE - PUBLIC WORKS

**RESIDENTIAL CORNER LOT DRIVEWAY  
LOCATION**

**RESIDENTIAL OR COLLECTOR STREETS**

APPROVED BY:  
  
 CITY ENGINEER      10/24/2018      DATE

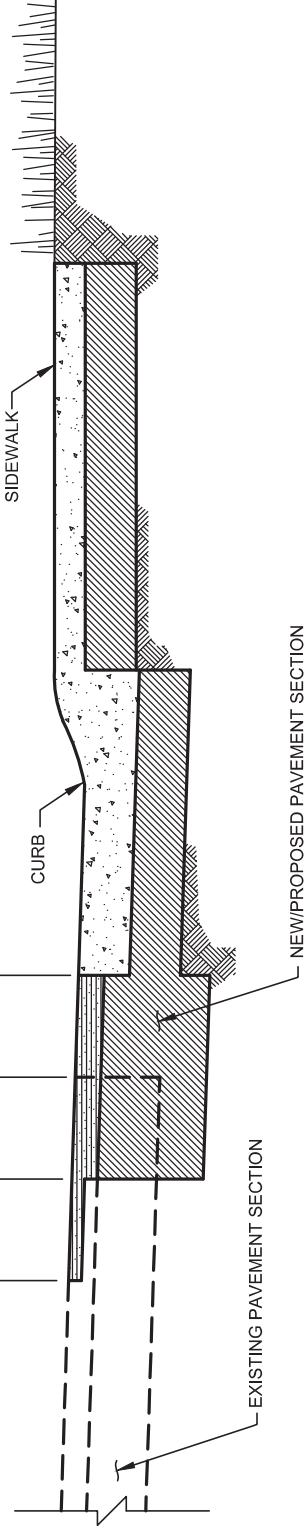
DRAWING NUMBER  
**ST - 37**



1' MINIMUM WIDTH,  
1-1/2" DEEP  
GRINDING AND PAVING.

SEE NOTE 2

1' MINIMUM PAVEMENT  
REMOVAL AND  
REPLACEMENT. SAW  
CUT REQUIRED.



**NOTES:**

1. THIS DETAIL IS APPLICABLE TO PAVEMENT WIDENING PROJECTS AND TO PAVEMENT EXTENSION PROJECTS (WHERE NEW ROAD CONNECTS TO EXISTING PAVEMENT).
2. 2' MINIMUM DISTANCE EXCEPT WHEN INSIDE A BIKE LANE. DISTANCE SHALL BE FROM LIP OF CURB TO FULL EXTENT OF THE BIKE LANE.


DATE:	NOT TO SCALE		
09/22/2007			
REVISION	BY	APPROVED	DATE

**CITY OF ELK GROVE - PUBLIC WORKS**

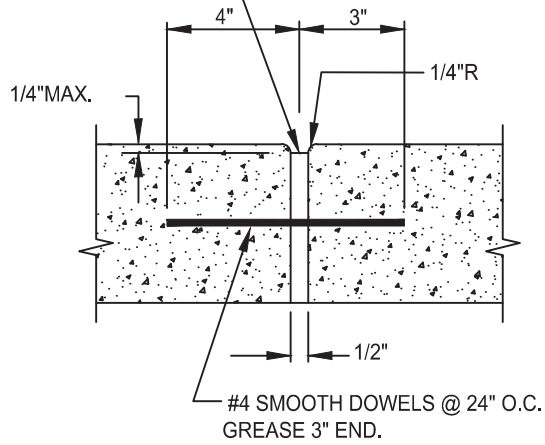
**PAVEMENT WIDENING DETAIL**

APPROVED BY: *Paul F. Muddick*  
 CITY ENGINEER  
 DATE: 10/24/2018

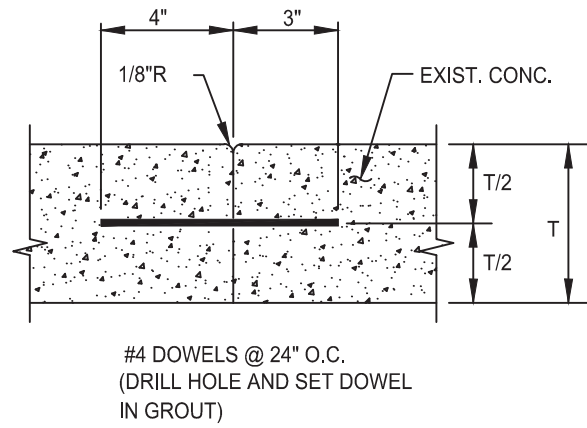
DRAWING NUMBER  
**ST - 38**



EXPANSION JOINT  
FILLER MATERIAL  
(MATCH FULL  
CONCRETE SECTION)

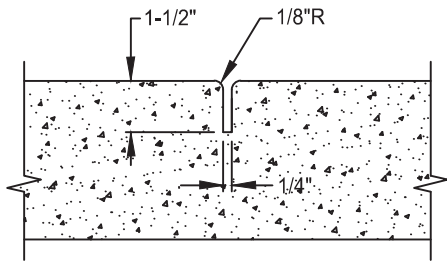


EXPANSION JOINT

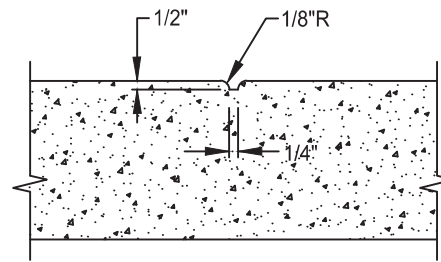


SIDEWALK CONTACT JOINT

(USE WHERE NEW CONSTRUCTION OF SW AND  
OR CURB & GUTTER ABUTS EXISTING IMPROVEMENTS.)



WEAKENED PLANE JOINT



SCORE MARK

NOTE:  
JOINT SPACING PER SECTION 27-3.01

DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE

CITY OF ELK GROVE - PUBLIC WORKS

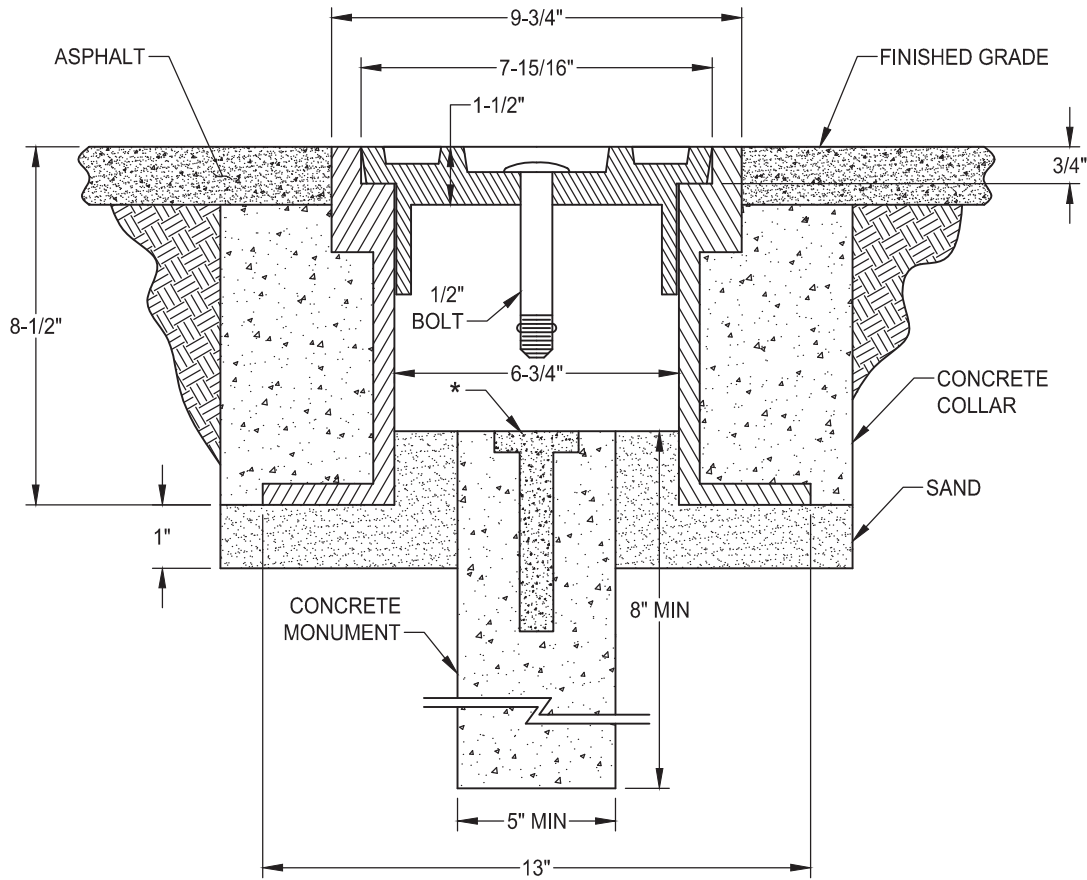
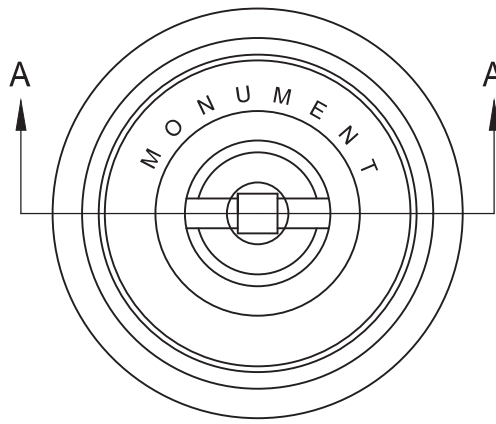
**STANDARD CONCRETE  
JOINT DETAILS**

APPROVED BY:  
*Paul Muroch*  
CITY ENGINEER  
10/24/2018  
DATE



DRAWING NUMBER

**ST - 39**



**SECTION A-A**


**NOTES:**

1. MONUMENT BOX AND COVER SHALL BE PHOENIX IRON WORKS P-2001 OR APPROVED EQUAL.
2. (\*) MONUMENT MARKER SHALL BE SOLID BRASS WITH 2-1/2" DIAM TOP AND 3/4" x 2-1/2" LTZ 813-403 OR APPROVED EQUAL SET IN FRESH P.C.C. TOP OF MONUMENT SHALL BE APPROXIMATELY 6" BELOW STREET GRADE.
3. MONUMENT MAY BE FORMED BY METAL SLEEVE, WAXED CARDBOARD OR BY DRILLING THRU HOLE MADE FOR MONUMENT BOX. IF THERE IS AN OVERCUT THEN THE OVERCUT SHALL BE FILLED WITH CONCRETE TO THE SAND LEVEL.

DATE: 09/22/2017		NOT TO SCALE	
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**CITY OF ELK GROVE - PUBLIC WORKS**

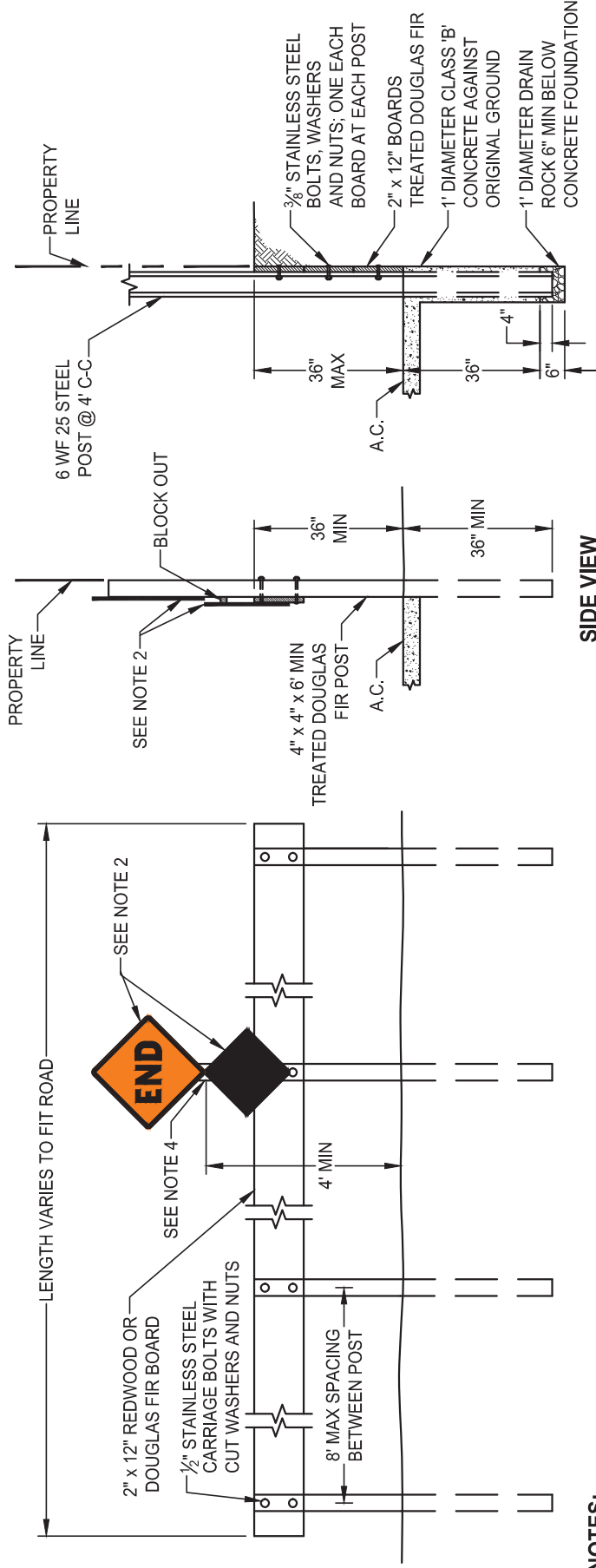
**STREET SURVEY MONUMENT**

APPROVED BY:  
  
 10/24/2018  
 CITY ENGINEER DATE



DRAWING NUMBER

**ST - 40**



**STREET ENDING IN CUT WHERE SLOPE IS NOT OBTAINABLE**

RIGHT OF WAY WIDTH	W31 (CA)		OM4-3		R11-2	
	SIZE	NO.	SIZE	NO.	SIZE	NO.
40', 42'	24"	1	18"	1	36" x 24"	1
50', 56', 60'	24"	1	18"	1	48" x 30"	1
66', 70', 74'	24"	1	18"	1	48" x 30"	1
80', 84'	24"	2	18"	2	48" x 30"	1
108', 130'	24"	3	18"	3	48" x 30"	1

**NOTES:**

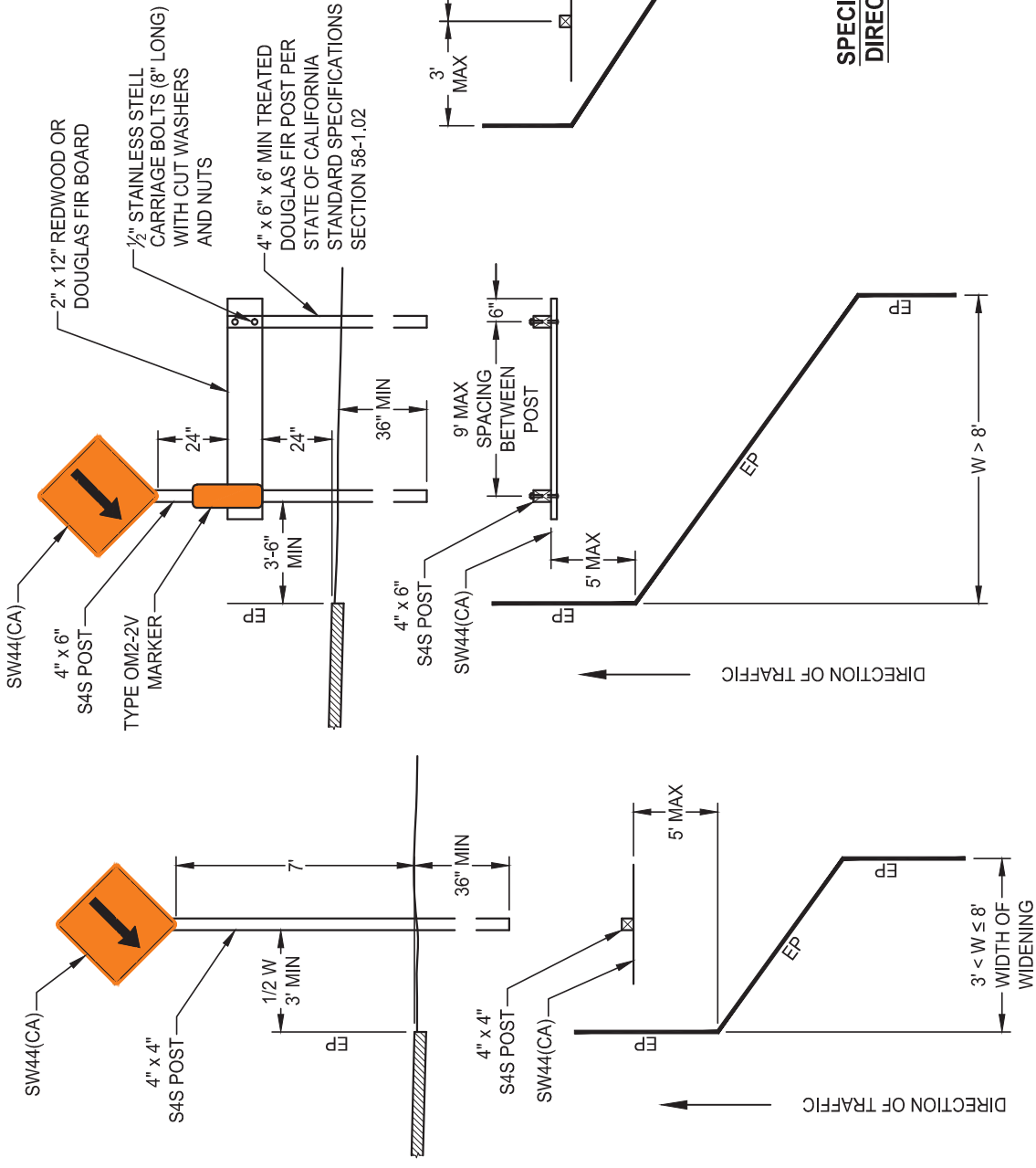
- WHERE PERMISSION HAS BEEN GRANTED TO CLOSE AN EXISTING PUBLIC STREET, A R11-2 "ROAD CLOSED" SIGN WILL BE REQUIRED ON THE CENTERLINE OF THE ROAD IN ADDITION TO THE W31(CA) "END" SIGN.
- 24" x 24" W31(CA) SIGN AND 18" x 18" OM4-3 MARKER, BLOCK OUT AS NECESSARY FOR OM4-3 MARKER TOP MOUNTING BOLT (BOTTOM MOUNTING BOLT NORMALLY THROUGH BARRIER RAIL). OM4-3 MARKER TO HAVE SOLID RED REFLECTIVE BACKGROUND WITHOUT ADDED REFLECTORS.
- ALL EXPOSED SURFACES OF BARRICADE SHALL BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONFORMING TO STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 91-3.
- POST AT CENTER OR NEAREST TO CENTER ON RIGHT HAND SIDE TO BE EXTENDED TO PROVIDE MOUNTING FOR SIGNS.
- POST SHALL BE PRESSURE TREATED PER STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 58-1.02.

CITY OF ELK GROVE - PUBLIC WORKS		APPROVED BY:  CITY ENGINEER	DATE 10/24/2018
STREET CLOSURE TIMBER BARRICADE			
DATE: 09/22/2007		NOT TO SCALE	
REVISION BY	APPROVED	DATE	

DRAWING NUMBER  
**ST - 41**



**NOTE:**  
 ALL EXPOSED SURFACES OF BARRICADE SHALL BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONFORMING TO STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 91+3.



**SPECIAL APPLICATION AT  
 DIRECTION OF ENGINEER**

DATE:	NOT TO SCALE
09/22/2007	
REVISION	APPROVED
	DATE

CITY OF ELK GROVE - PUBLIC WORKS

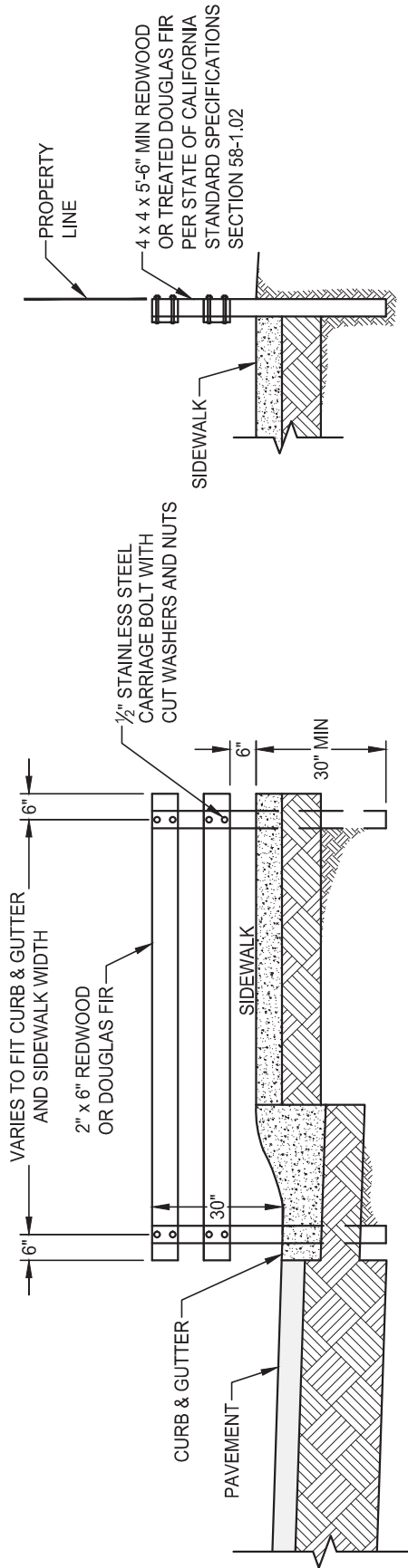
**SIGNS AND BARRICADES AT ABRUPT  
 CHANGE OF PAVEMENT WIDTH**

APPROVED BY: *Paul F. Muddick*  
 CITY ENGINEER

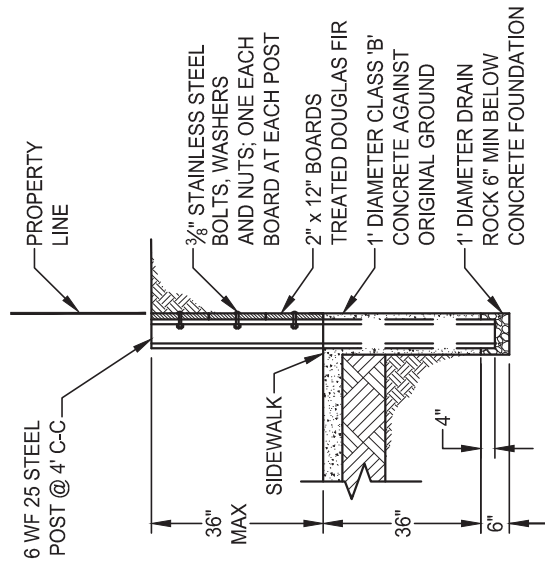
DATE: 10/24/2018

DRAWING NUMBER: **ST - 42**





**SIDE VIEW**



**DETAIL FOR SIDEWALK BARRICADE WITH RETAINING WALL**

**NOTES:**

1. SIDEWALK BARRICADES TO BE ERRECTED AT EACH LOCATION WHERE SATISFACTORY PROVISION CAN NOT BE MADE FOR PEDESTRIAN TO CONTINUE BEYOND THE TERMINIUS OF A SIDEWALK AND A HAZARD IS PRESENT.
2. ALL EXPOSED SURFACES OF BARRICADES SHALL BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONFORMING TO STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 911-3.

DATE:	NOT TO SCALE
09/22/2007	
REVISION BY	APPROVED DATE


CITY OF ELK GROVE - PUBLIC WORKS

**SIDEWALK BARRICADE**

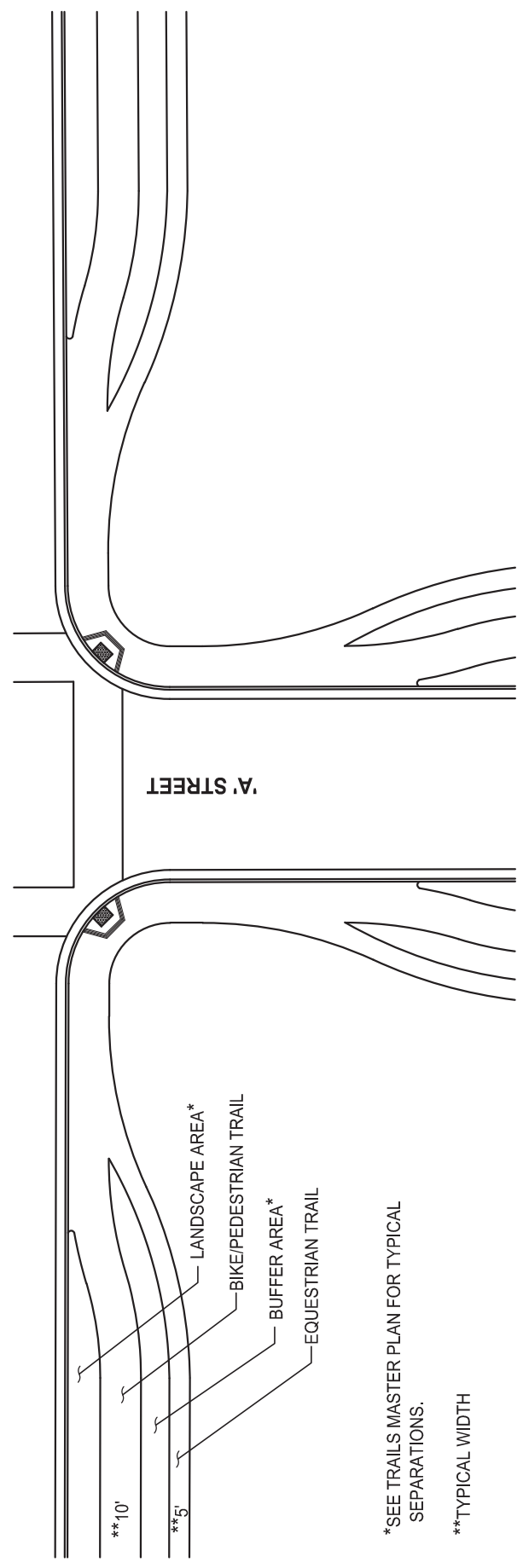
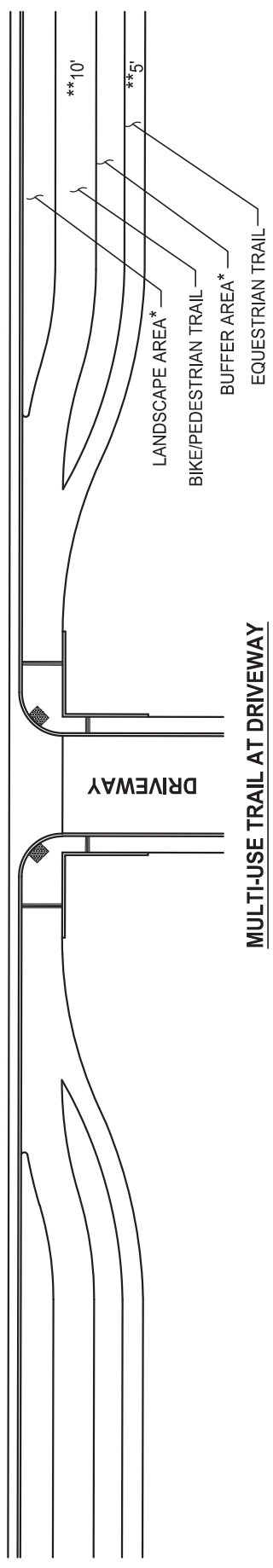
APPROVED BY: *Paul F. Muldock*  
 CITY ENGINEER

DATE: 10/24/2018

DRAWING NUMBER: **ST - 43**







\*SEE TRAILS MASTER PLAN FOR TYPICAL SEPARATIONS.

\*\*TYPICAL WIDTH


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09/22/2007			
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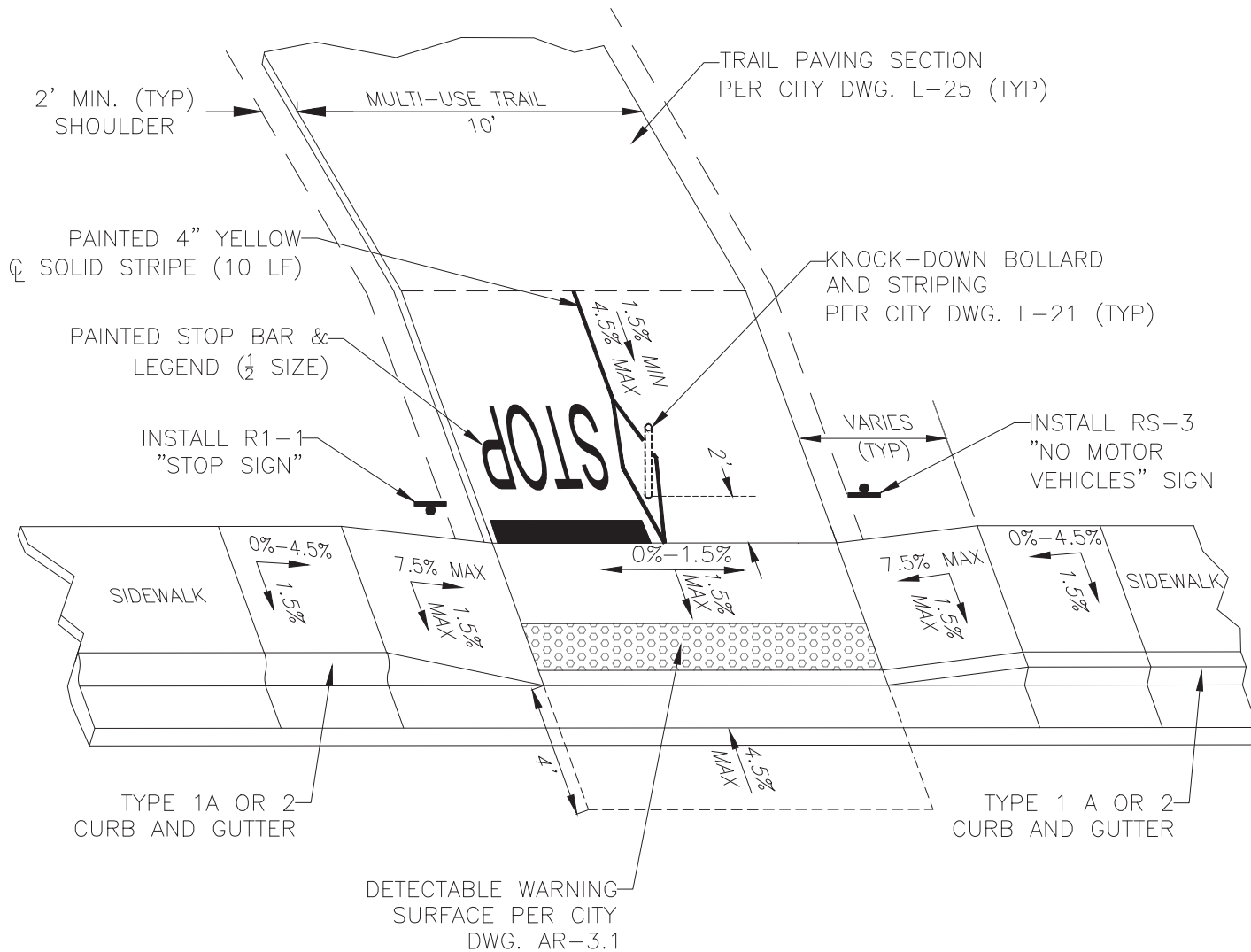
CITY OF ELK GROVE - PUBLIC WORKS

**MULTI-USE TRAIL CONNECTIONS AT DRIVEWAYS AND INTERSECTIONS**

APPROVED BY: *Paul F. Muddick*  
 CITY ENGINEER  
 DATE: 10/24/2018

DRAWING NUMBER  
**ST - 44**





**NOTES:**

1. TRAIL CONNECTION MUST BE AT A CROSSWALK.
2. MID-BLOCK CROSSWALK SIGNAGE, STRIPING AND/OR SIGNAL TO BE INSTALLED AS DETERMINED BY THE CITY.

DATE 03-02-2022		NOT TO SCALE	
REVISION	BY	APPROVED	DATE

**CITY OF ELK GROVE - PUBLIC WORKS**

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**MULTI-USE TRAIL CONNECTION  
AT MID-BLOCK CROSSWALK**

APPROVED BY:  
*Jeffrey B. Wu* 03-02-2022  
CITY ENGINEER DATE

---

DRAWING NUMBER  
**ST-45**

