

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	
REVISION	BY	APPROVED	DATE
01	STN	SA	02-16-2022
02	AR	JCS	12/5/2023

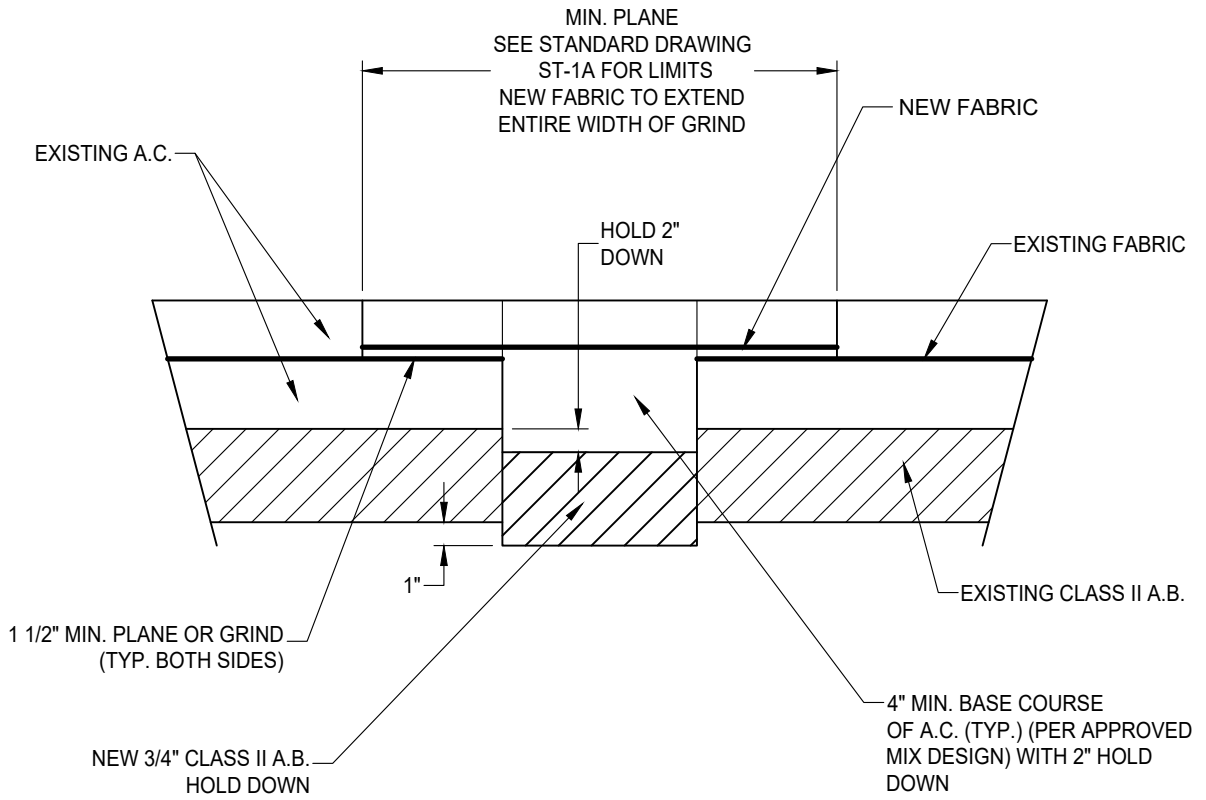
CITY OF ELK GROVE - PUBLIC WORKS

TRENCH BACKFILLING AND RESURFACING

APPROVED BY:
Jeffrey B. Wan 04-29-2024
CITY ENGINEER DATE

DRAWING NUMBER
ST - 1A





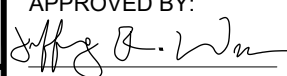
NOTES:

1. NO NATIVE MATERIAL WITHIN 24" OF AC COURSE. USE 3/4" CLASS II A.B. 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	
REVISION	BY	APPROVED	DATE

CITY OF ELK GROVE - PUBLIC WORKS

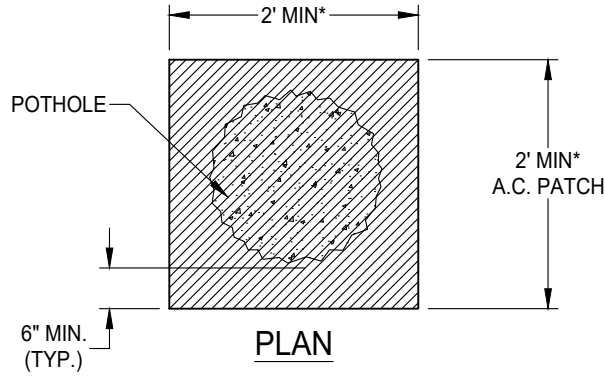
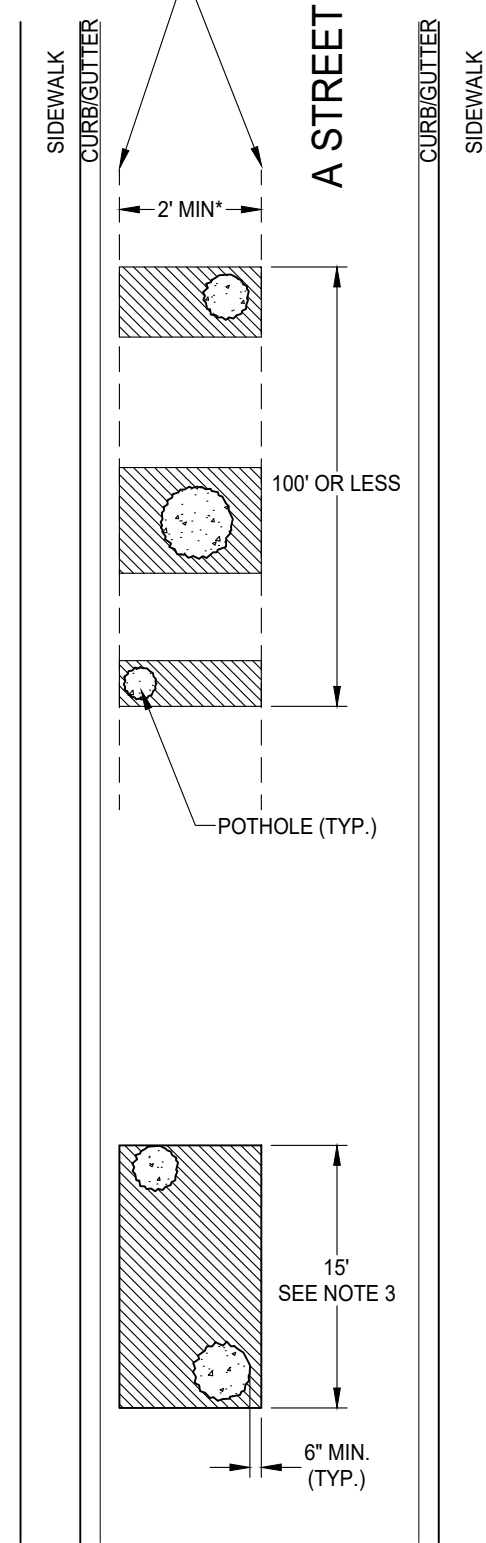
**TRENCH RESURFACING WHEN
FABRIC IS REQUIRED**

APPROVED BY:

 CITY ENGINEER DATE 04-29-2024

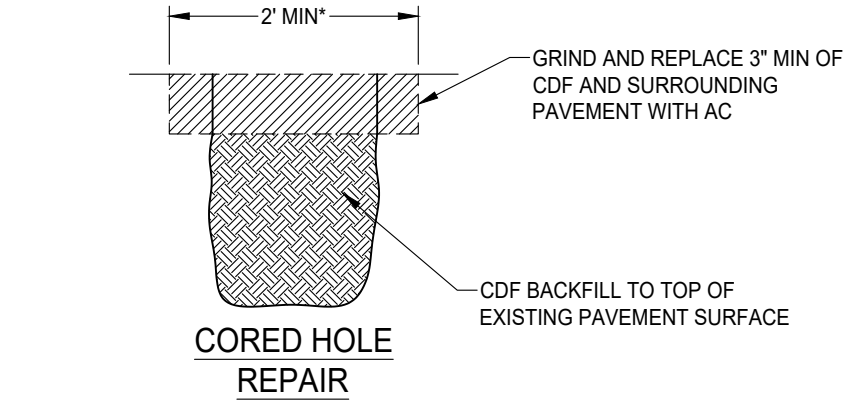
DRAWING NUMBER
ST - 5



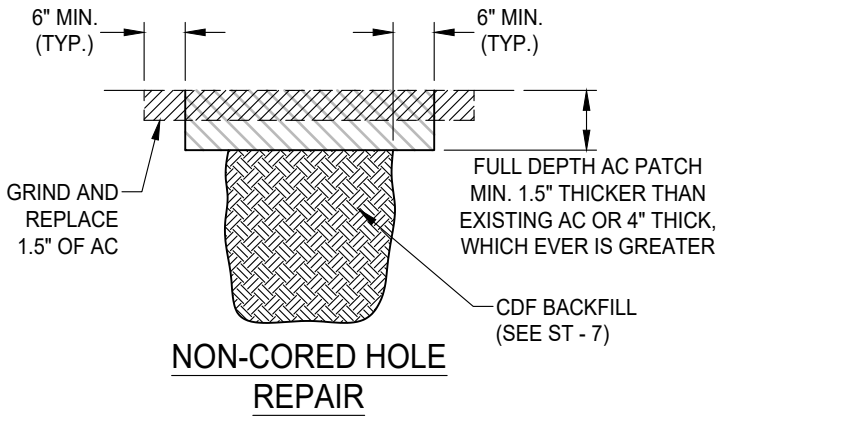
SEE NOTE 1 & 2



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 CDF BACKFILL. AFTER MINIMUM OF 48 HOURS OF CURE, THE CDF 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

DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-27-2024


CITY OF ELK GROVE - PUBLIC WORKS

UTILITY POTHOLE REPAIR

APPROVED BY: _____
CITY ENGINEER

05-28-2024
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.

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.

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.

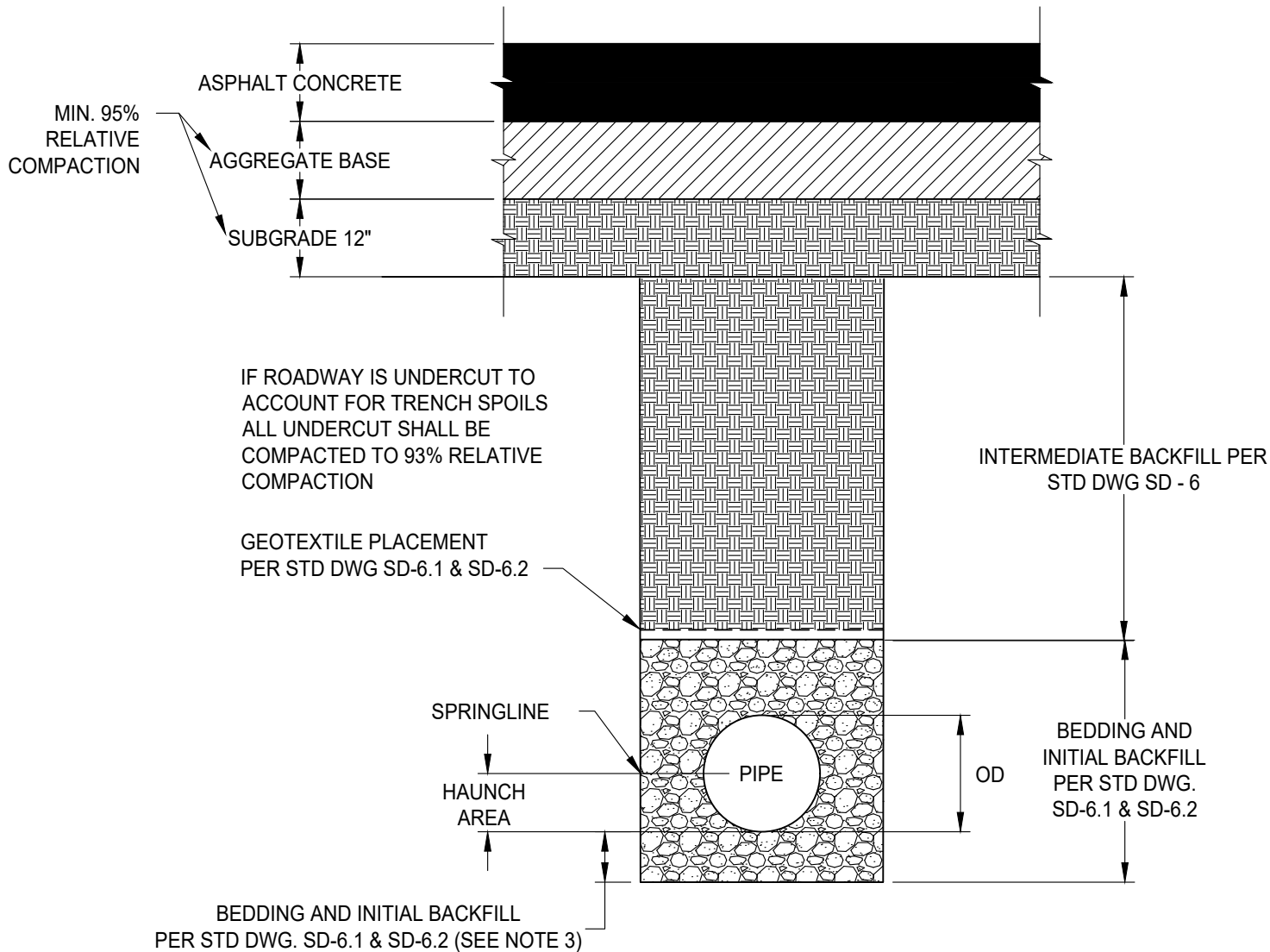
DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-27-2024

CITY OF ELK GROVE - PUBLIC WORKS

GENERAL NOTES

APPROVED BY: _____ 05-28-2024
CITY ENGINEER DATE

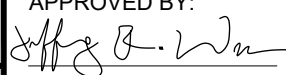
 DRAWING NUMBER
ST - 7




DATE 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
01	STN	SA	02-16-2022
02	AR	JCS	12/5/2023

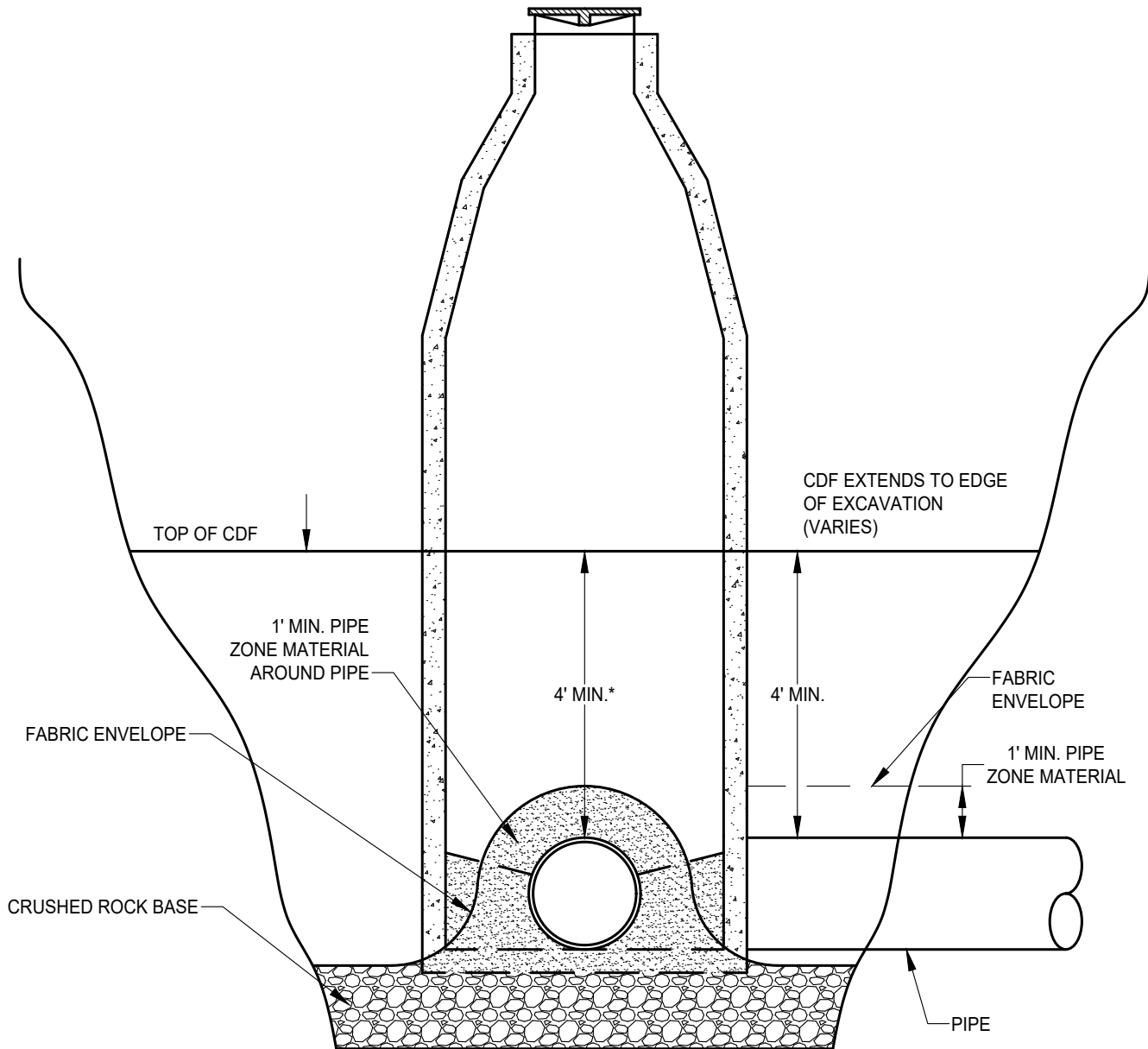
CITY OF ELK GROVE - PUBLIC WORKS

**TYPICAL TRENCH COMPACTION
DETAIL**

APPROVED BY:

 CITY ENGINEER 04-29-2024
 DATE

DRAWING NUMBER
ST - 8





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


NOTES:

1. SEE SECTION 50-15 FOR CDF MATERIAL SPECIFICATIONS.


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

CITY OF ELK GROVE - PUBLIC WORKS

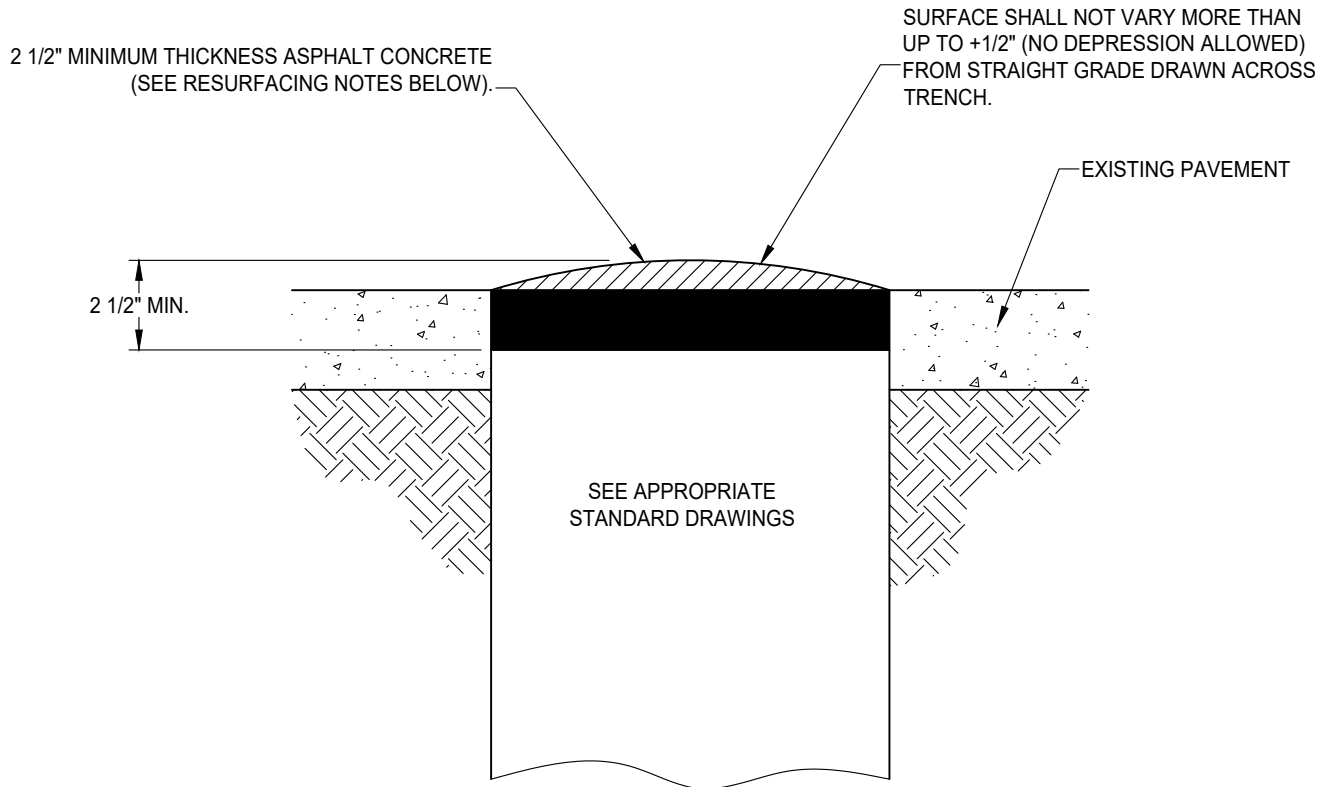
MANHOLE BACKFILL DETAIL

APPROVED BY:

 10/24/2018
 CITY ENGINEER DATE

DRAWING NUMBER
ST - 8A



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.

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.

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

CITY OF ELK GROVE - PUBLIC WORKS

TEMPORARY TRENCH RESURFACING

APPROVED BY:
10/24/2018

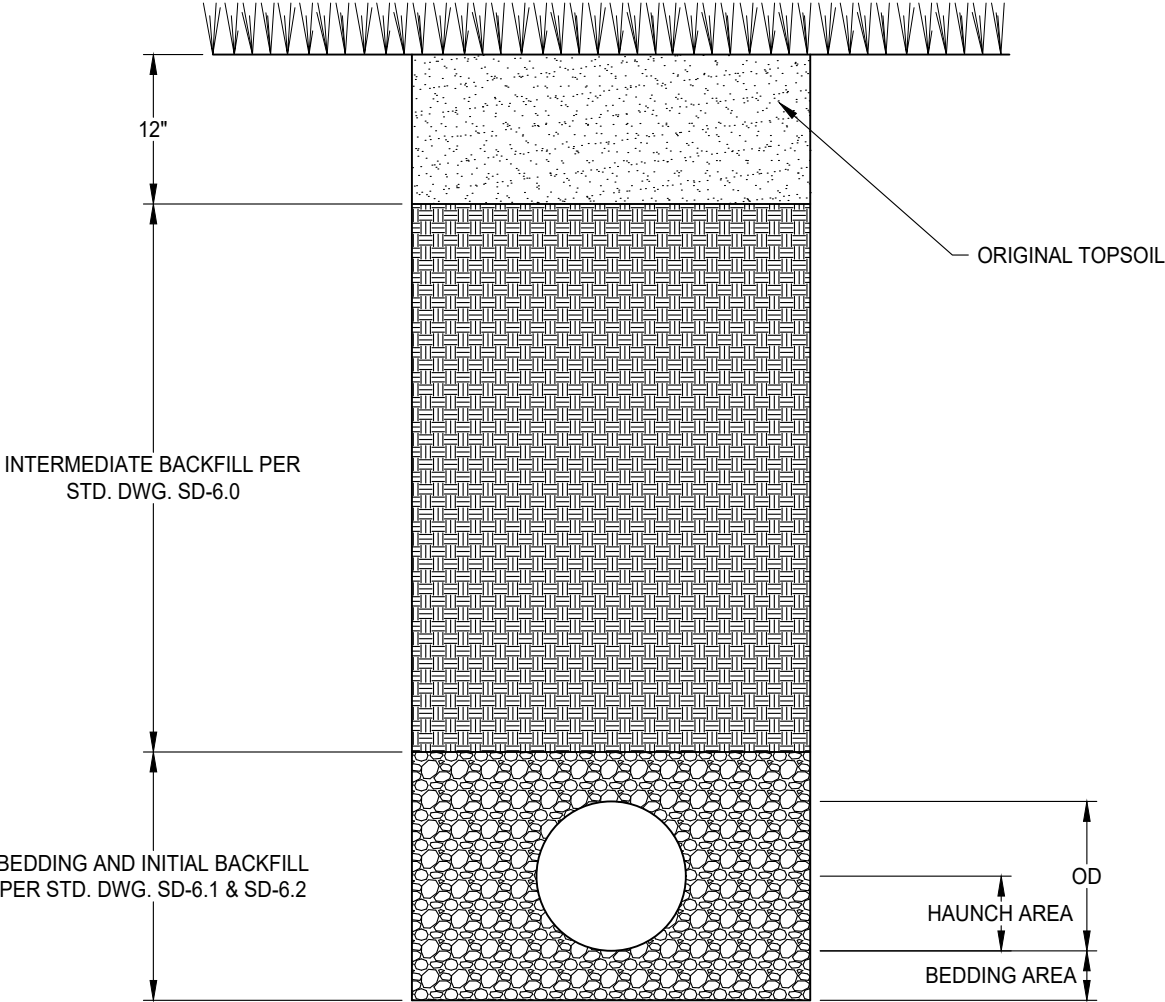
CITY ENGINEER DATE

DRAWING NUMBER
ST - 9



NOTES:

- 1. SEE STANDARD DRAWING SD-6.1 AND SD-6.2 FOR GEOTEXTILE REQUIREMENTS.




DATE: 09/22/2017		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	02-28-2024

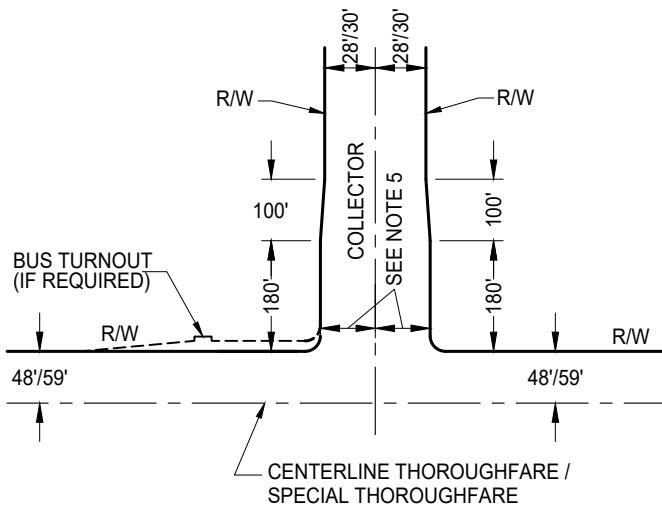
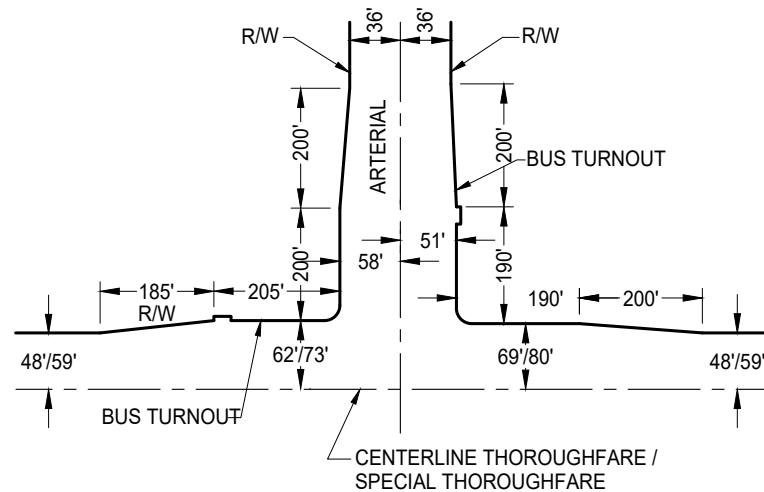
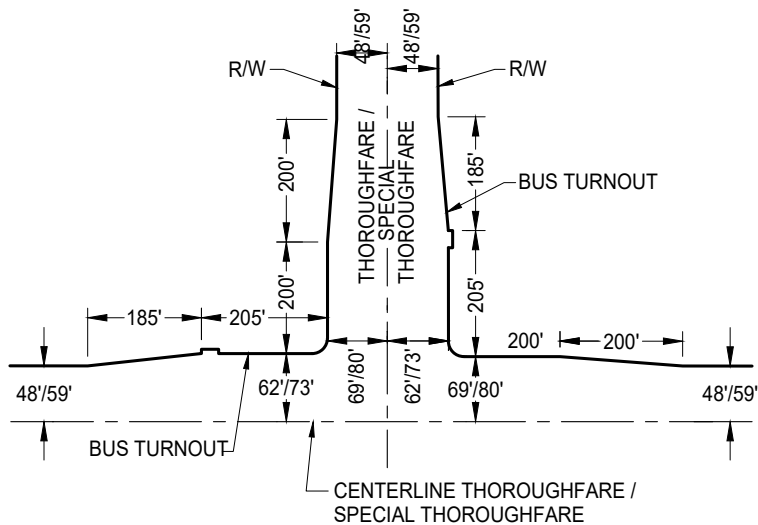
CITY OF ELK GROVE - PUBLIC WORKS

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

APPROVED BY:
Jeffrey B. Wan 04-29-2024
CITY ENGINEER 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.

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

CITY OF ELK GROVE - PUBLIC WORKS

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

APPROVED BY:

Paul Muddock

10/24/2018

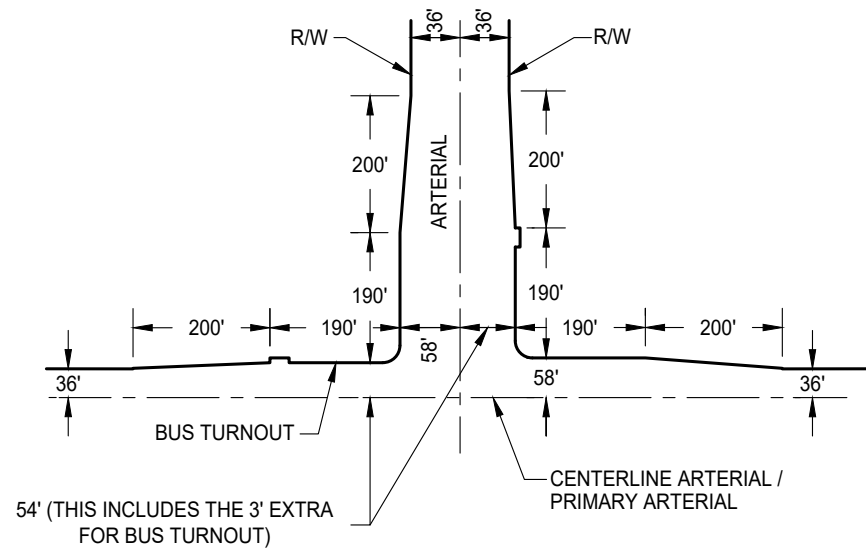
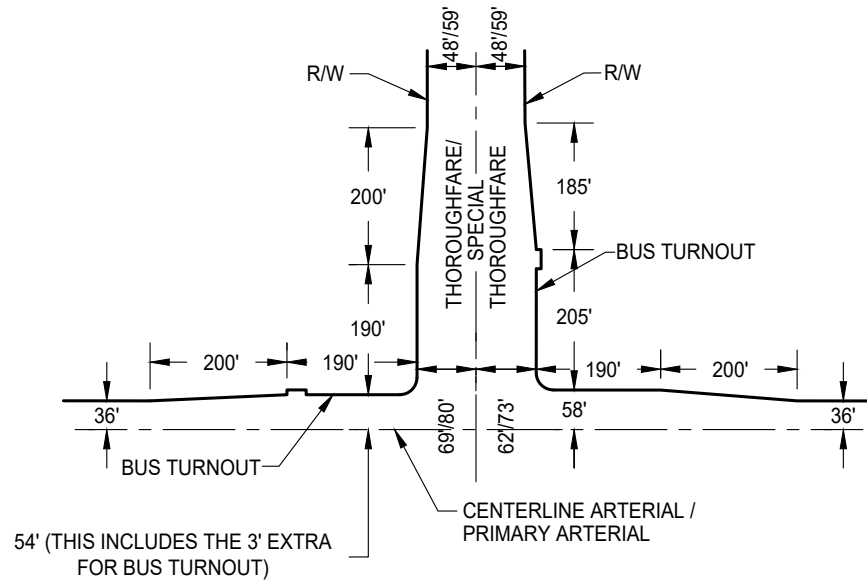
CITY ENGINEER

DATE



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.

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

CITY OF ELK GROVE - PUBLIC WORKS

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

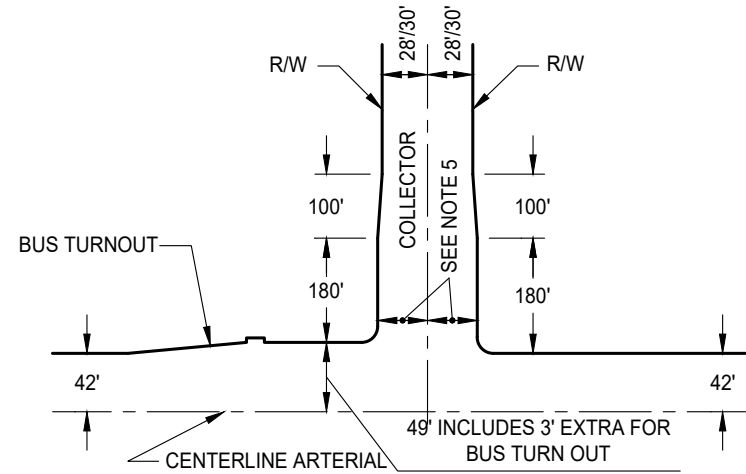
APPROVED BY:
Paul Murock
CITY ENGINEER
10/24/2018
DATE



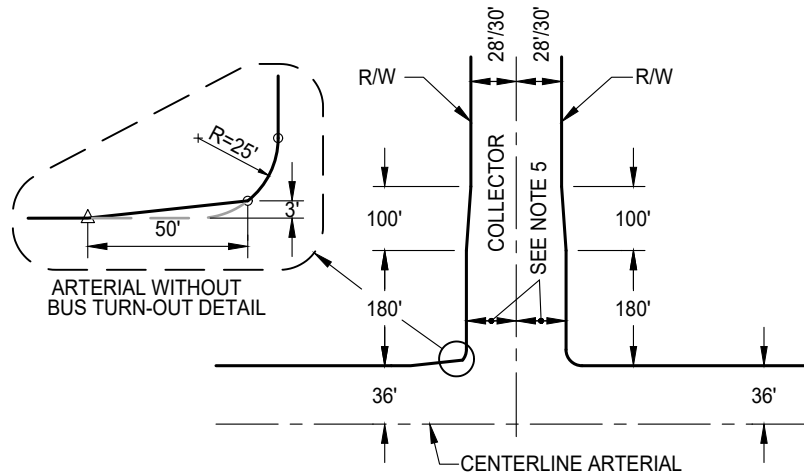
DRAWING NUMBER
ST - 12A

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.



WITH BUS TURNOUT



WITHOUT BUS TURNOUT

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

CITY OF ELK GROVE - PUBLIC WORKS

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

APPROVED BY:

Paul M. Muelich

10/24/2018

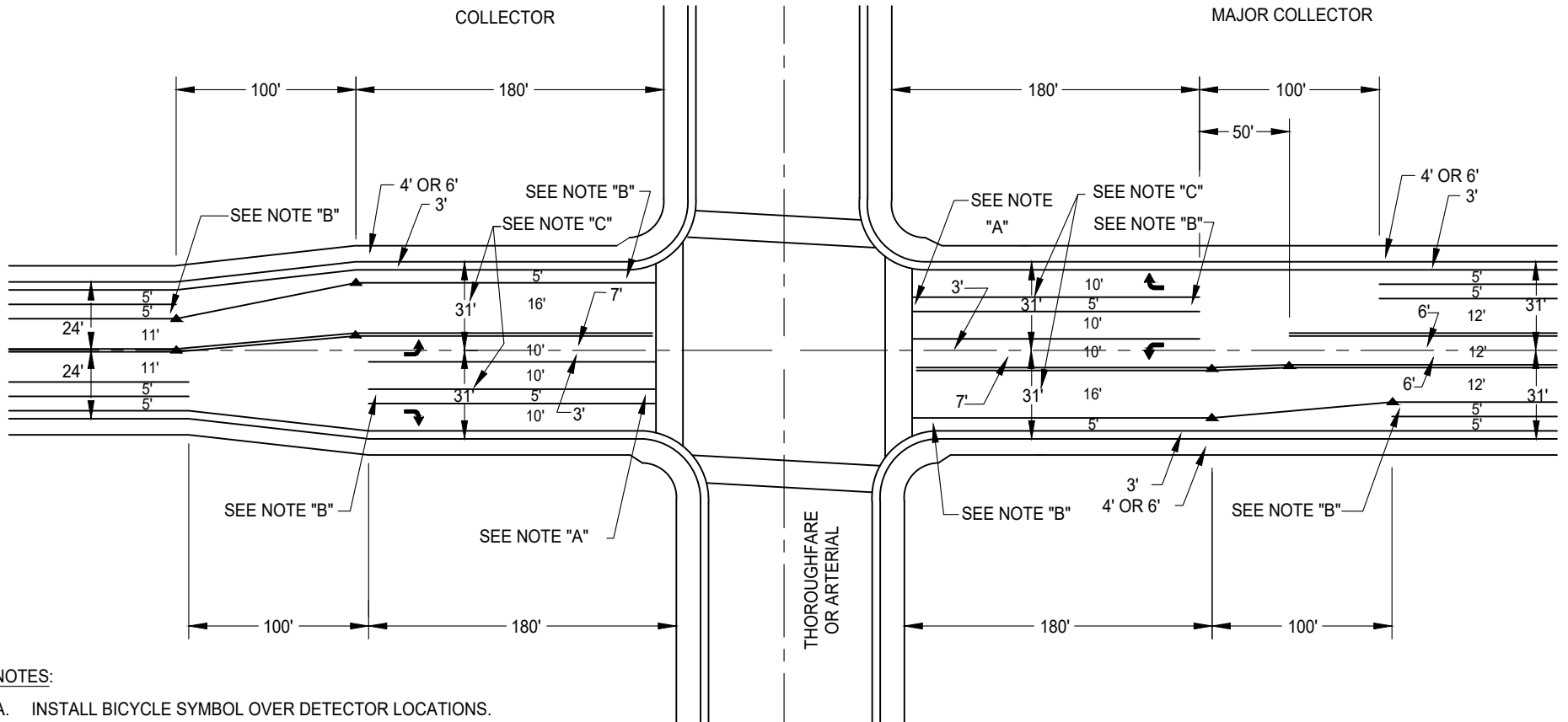
CITY ENGINEER

DATE



DRAWING NUMBER

ST - 12B



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.


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

CITY OF ELK GROVE - PUBLIC WORKS

**TYPICAL STRIPING FOR COLLECTOR STREETS
WITH BICYCLE LANES AT INTERSECTIONS
WITH THOROUGHFARE OR ARTERIAL STREETS**

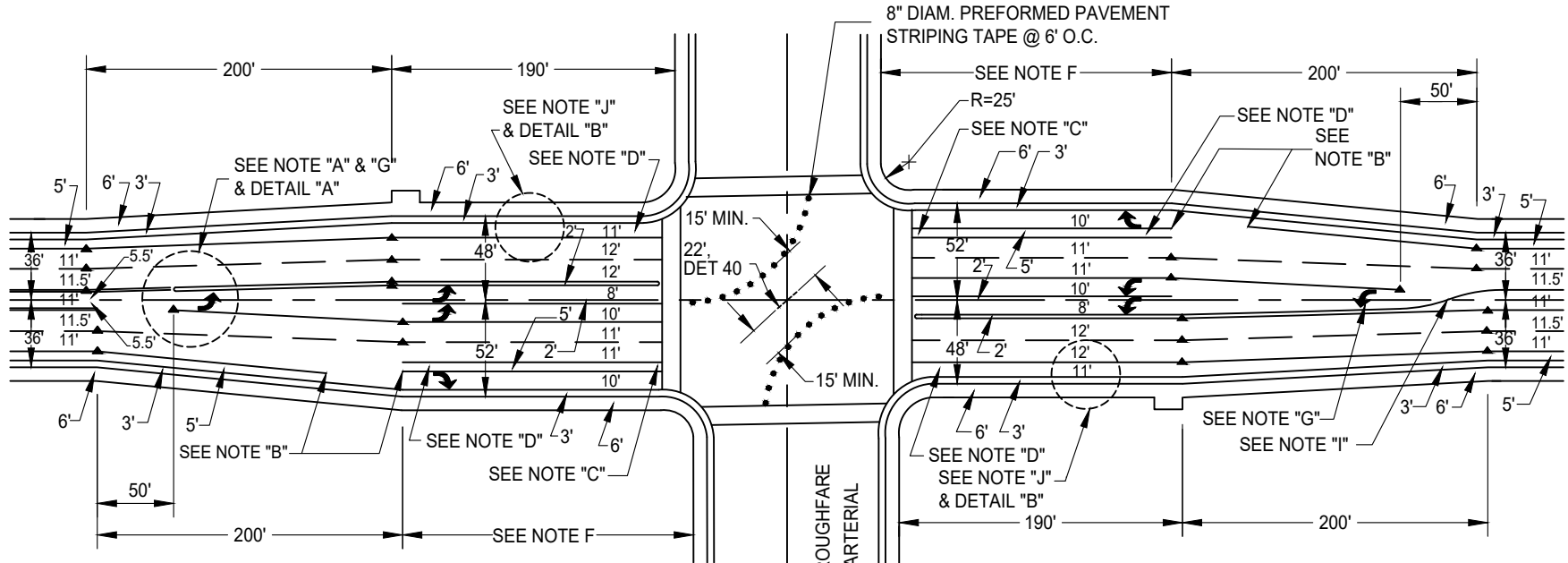
APPROVED BY:
Jeffrey B. W... 07-30-2021
CITY ENGINEER DATE

DRAWING NUMBER
ST - 13



ARTERIAL WITH TWO-WAY LEFT TURN LANE

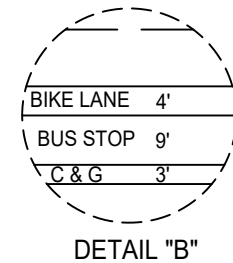
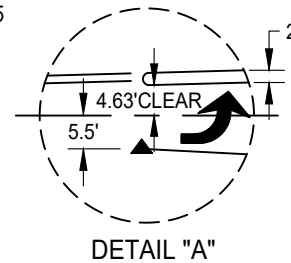
ARTERIAL WITH MEDIAN



NOTES:

- A. END OF RAISED MEDIAN MAY BE MOVED AS NECESSARY FOR DRIVEWAY LOCATIONS. SEE IMPROVEMENT STANDARD SECTION 4-10 (J)
- B. BIKE LANE 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.

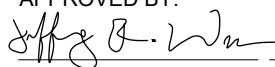
- J. SIDEWALK SHALL BE INCLUDED AS PART OF THE RIGHT-OF-WAY WHEN ADJACENT TO THE BACK OF CURB SUCH AS AT INTERSECTIONS AND DRIVEWAYS.
- K. IF THE DRIVEWAY, APPROVED BY PUBLIC WORKS, IS WITHIN THE EXPANDED INTERSECTION, ADDITIONAL 2 FEET RIGHT-OF-WAY WILL BE REQUIRED. SEE DETAIL "B".
- L. BIKE LANE MARKINGS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CALIFORNIA MUTCD.




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

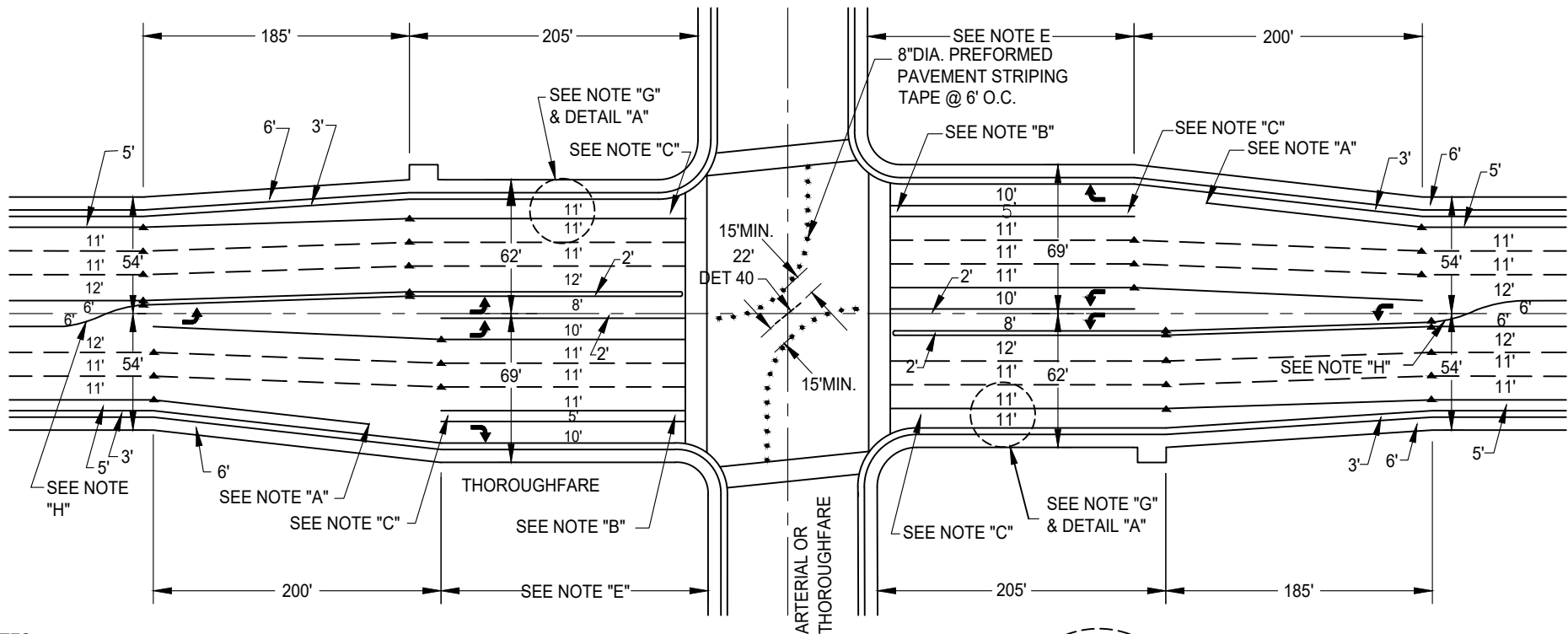
CITY OF ELK GROVE - PUBLIC WORKS

TYPICAL STRIPING FOR ARTERIAL INTERSECTIONS WITH THOROUGHFARES OR ARTERIALS

APPROVED BY:
 07-30-2021
 CITY ENGINEER DATE

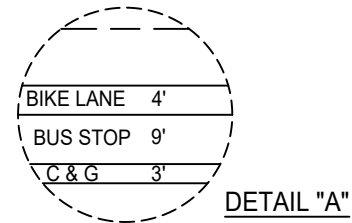
DRAWING NUMBER
ST - 14A





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 WILL 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.



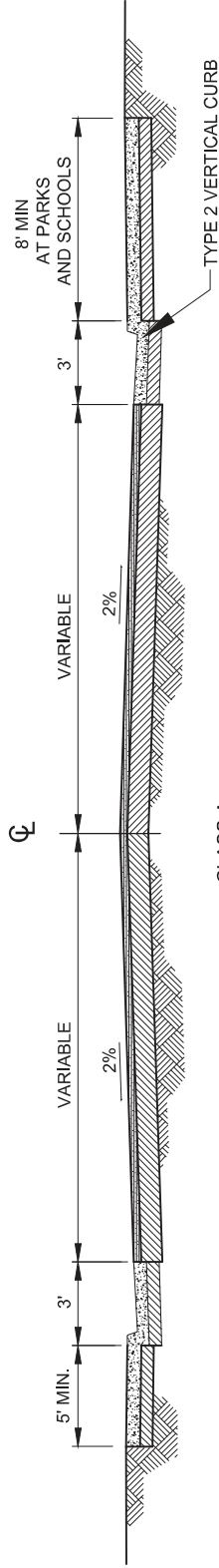
DATE: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SN	SA	07-29-2021

CITY OF ELK GROVE - PUBLIC WORKS

TYPICAL STRIPING FOR THOROUGHFARE INTERSECTIONS WITH THOROUGHFARES OR ARTERIALS

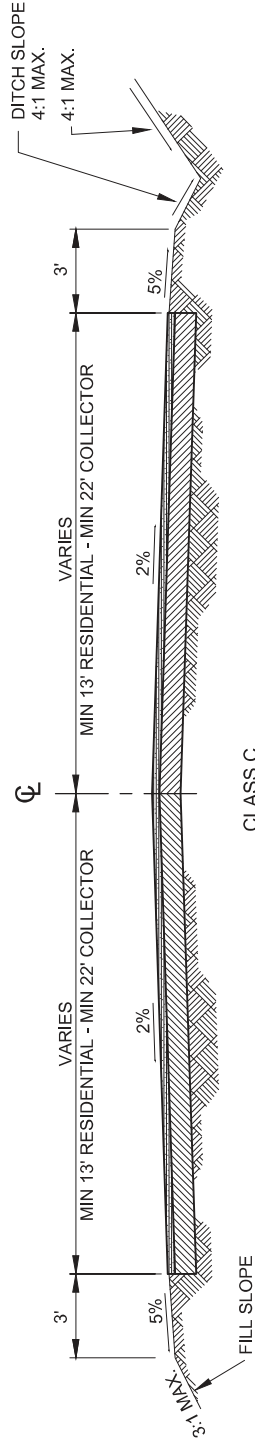
APPROVED BY:
Jeff B. Wan 07-30-2021
CITY ENGINEER DATE

DRAWING NUMBER
ST - 15A



CLASS A

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



CLASS C

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


CITY OF ELK GROVE - PUBLIC WORKS

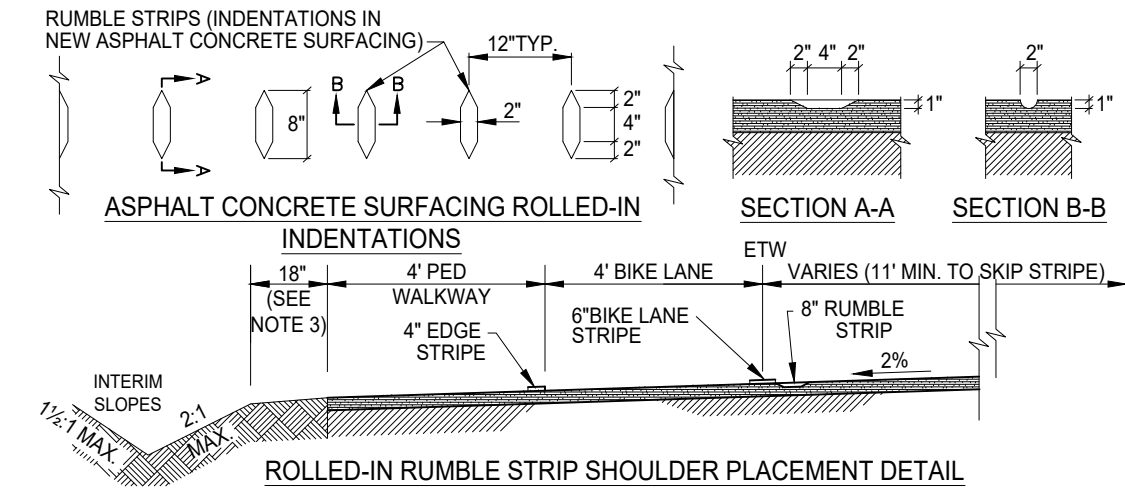
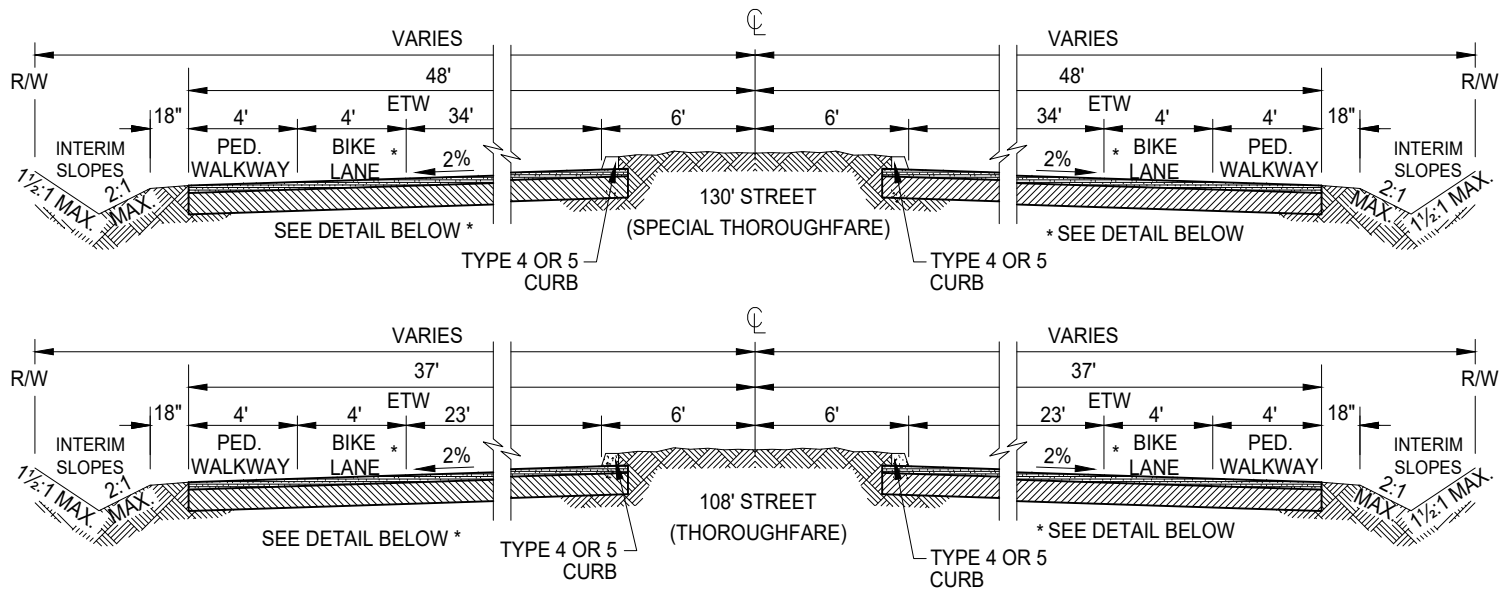
**TYPICAL SECTIONS
STREET CLASSES
"A", "B" & "C"**

APPROVED BY: *Paul F. Mudd*
CITY ENGINEER

10/24/2018
DATE

DRAWING NUMBER
ST - 17





NOTES:

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


CITY OF ELK GROVE - PUBLIC WORKS

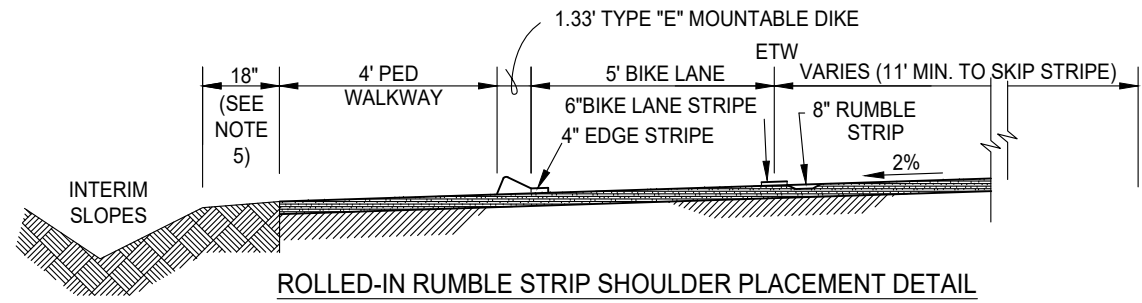
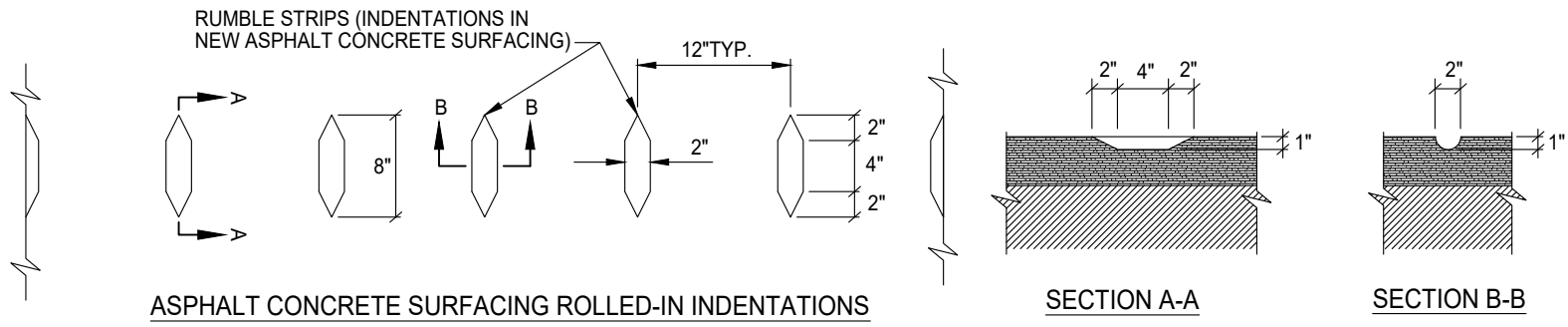
**TYPICAL SECTIONS INTERIM IMPROVEMENTS
FOR SPECIAL THOROUGHFARE AND
THOROUGHFARE STREETS WITH ROLLED-IN
RUMBLE STRIPS**

APPROVED BY:
Paul Muebeck
CITY ENGINEER

10/24/2018
DATE

DRAWING NUMBER
ST - 17A





NOTES :

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.

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


CITY OF ELK GROVE - PUBLIC WORKS

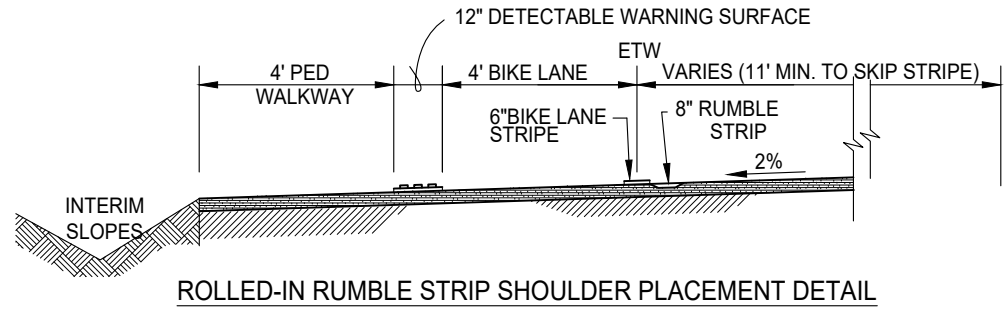
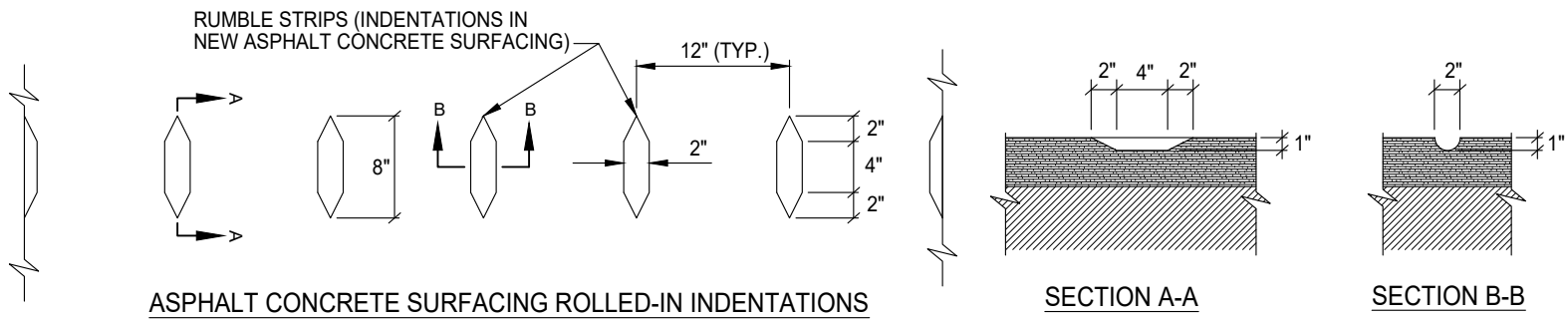
**ROLLED-IN RUMBLE STRIPS
FOR INTERIM ROADWAY
IMPROVEMENTS**

APPROVED BY:
Paul Murock
CITY ENGINEER

10/24/2018
DATE

DRAWING NUMBER
ST - 17B





NOTES:

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.

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


CITY OF ELK GROVE - PUBLIC WORKS

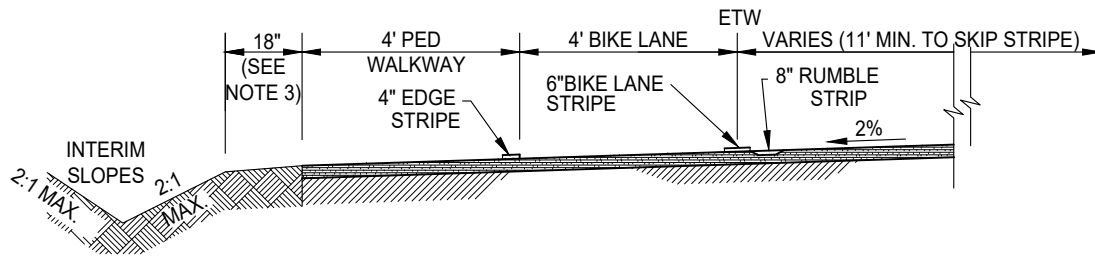
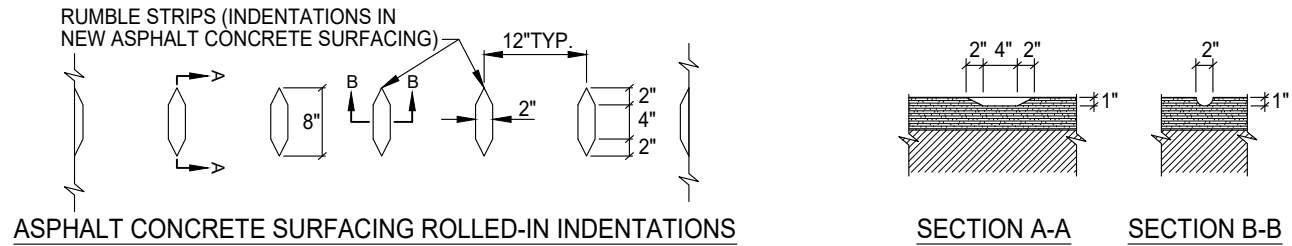
**ROLLED-IN RUMBLE STRIPS
FOR INTERIM ROADWAY
IMPROVEMENTS**

APPROVED BY:
Paul Murock
CITY ENGINEER

10/24/2018
DATE

DRAWING NUMBER
ST - 17C





ROLLED-IN RUMBLE STRIP SHOULDER PLACEMENT DETAIL

NOTES:

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


CITY OF ELK GROVE - PUBLIC WORKS

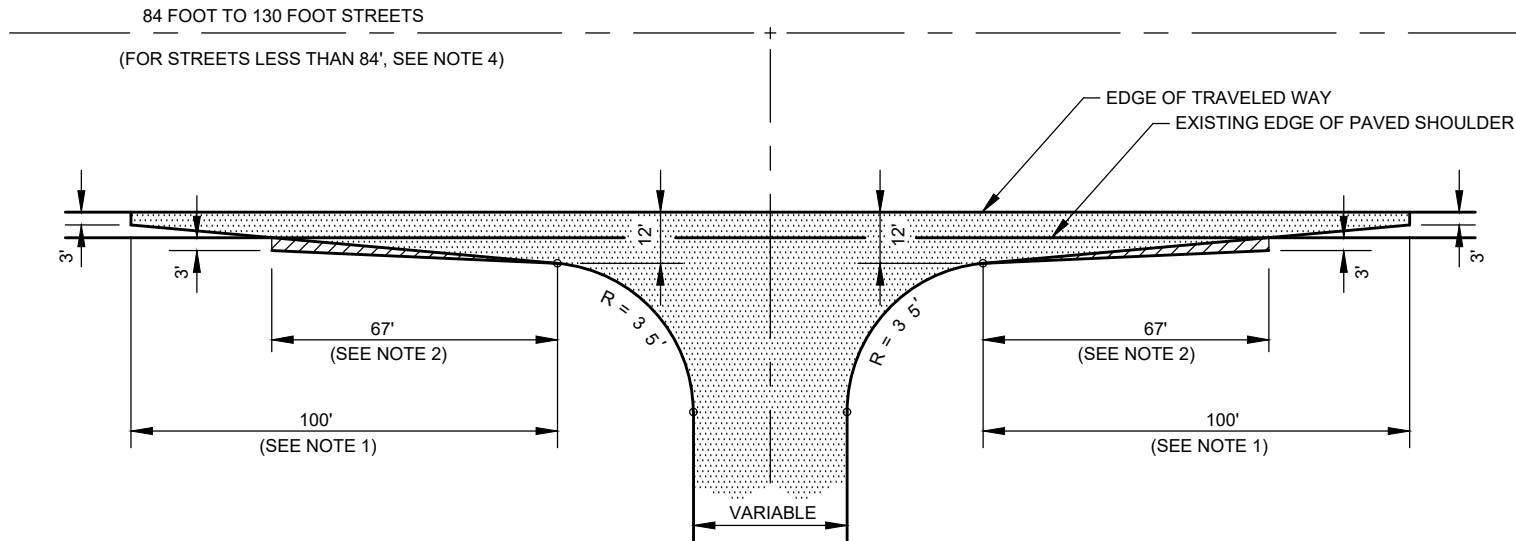
**TYPICAL SECTIONS INTERIM IMPROVEMENTS FOR
SPECIAL THOROUGHFARE AND THOROUGHFARE
STREETS WITH ROLLED-IN RUMBLE STRIPS**

APPROVED BY:
Paul Murock
CITY ENGINEER

10/24/2018
DATE

DRAWING NUMBER
ST - 17D





NOTES:

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

CITY OF ELK GROVE - PUBLIC WORKS

**CLASS "C"
STREET INTERSECTION**

APPROVED BY:

Paul Murock

CITY ENGINEER

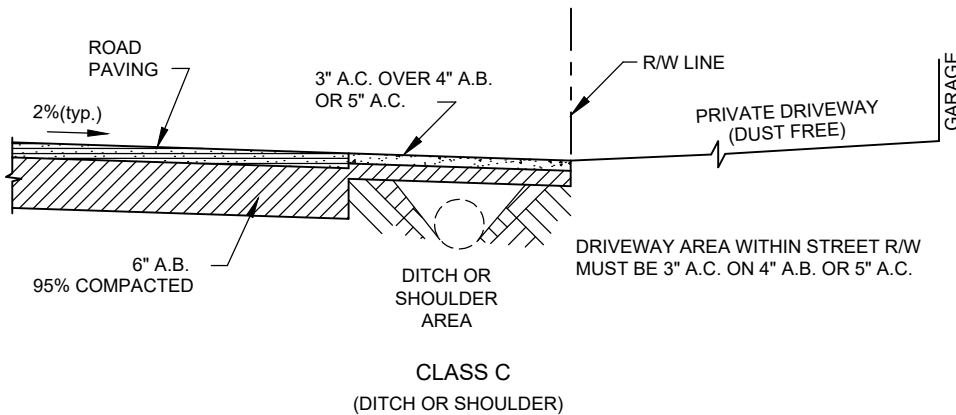
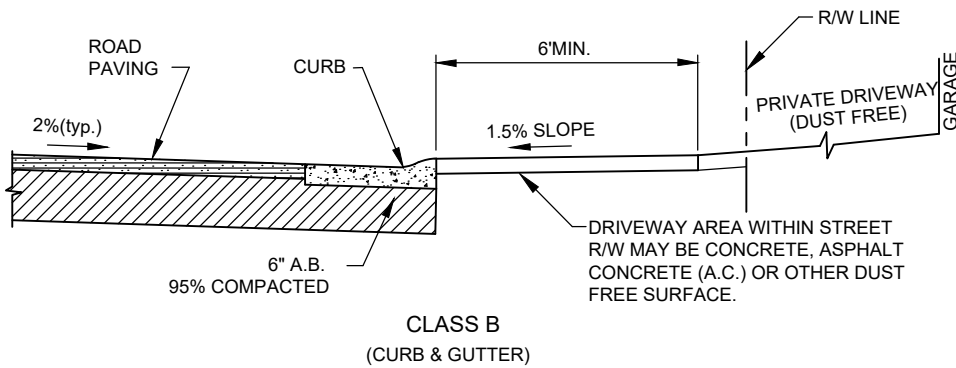
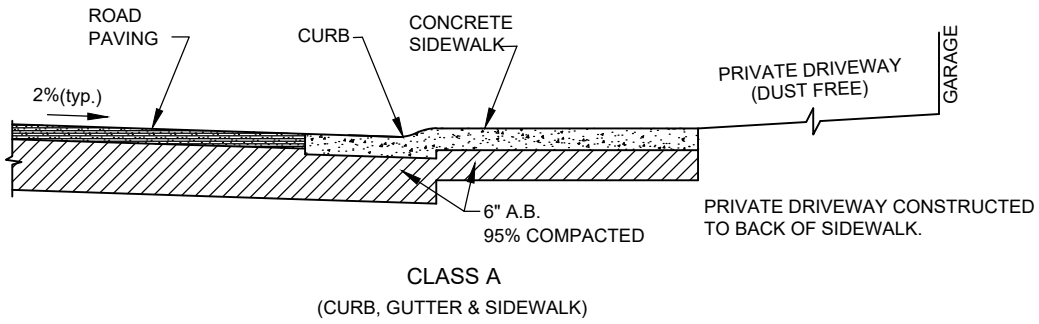
10/24/2018

DATE



DRAWING NUMBER

ST - 18



NOTE:

1. SEE CITY OF ELK GROVE IMPROVEMENT STANDARDS SECTION 4-7 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 Murock

10/24/2018

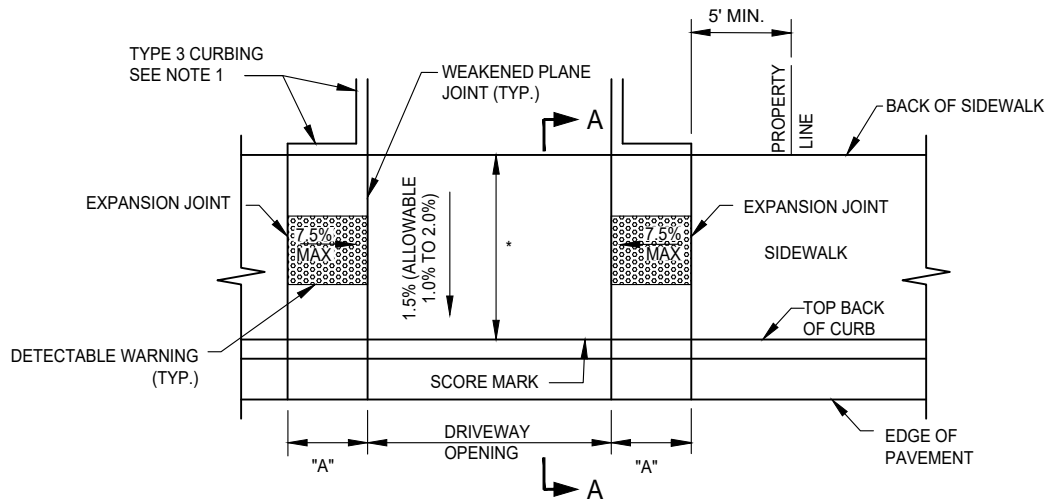
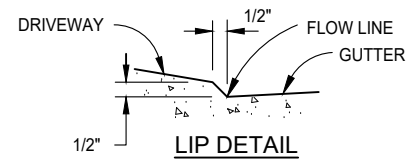
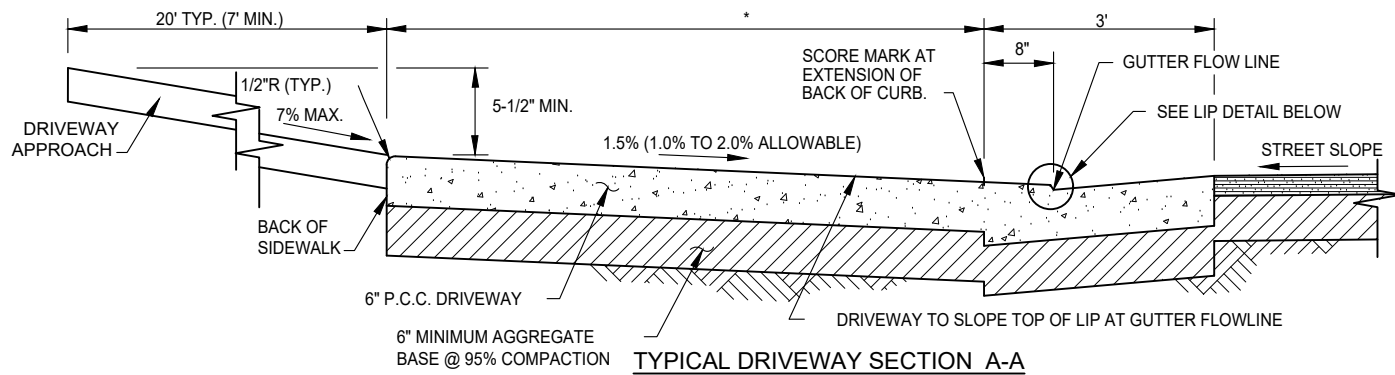
CITY ENGINEER

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"
> 3.70%	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

DATE		NOT TO SCALE	
09/22/2007			
REVISION	BY	APPROVED	DATE
01	LM	TW	07/18/2019
02	STN	JRW	02/16/2021
03	SJB	SMA	03/27/2024

CITY OF ELK GROVE - PUBLIC WORKS

**COMMERCIAL DRIVEWAYS
TYPE A-6**

APPROVED BY:

[Signature] 05-28-2024

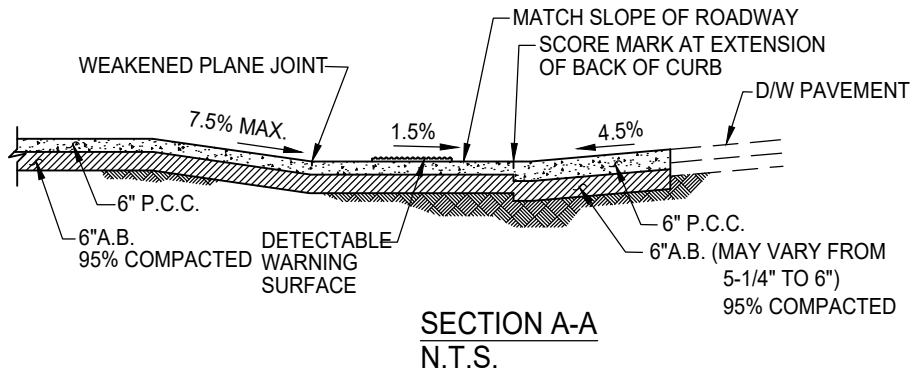
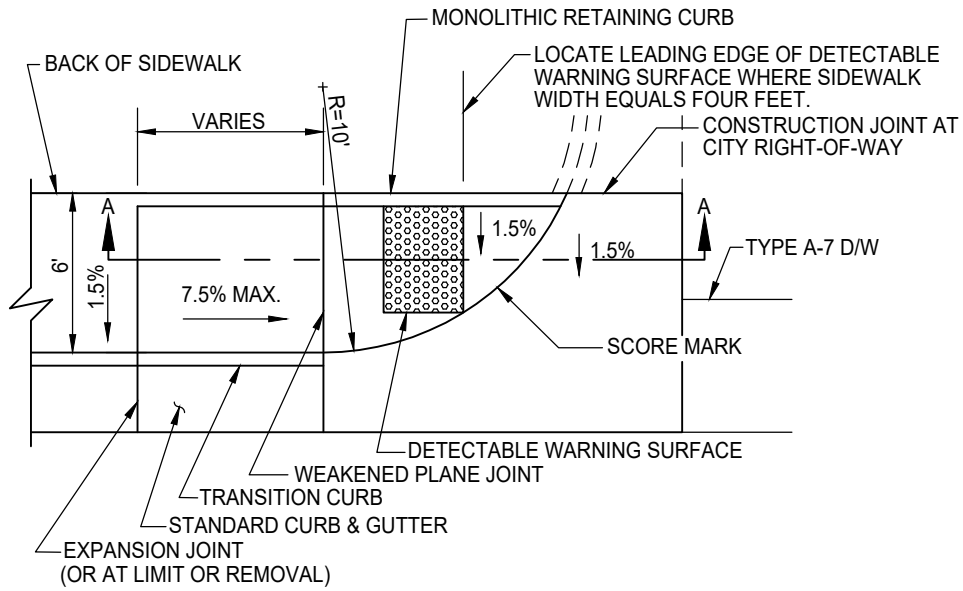
CITY ENGINEER

DATE



DRAWING NUMBER

ST - 20



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

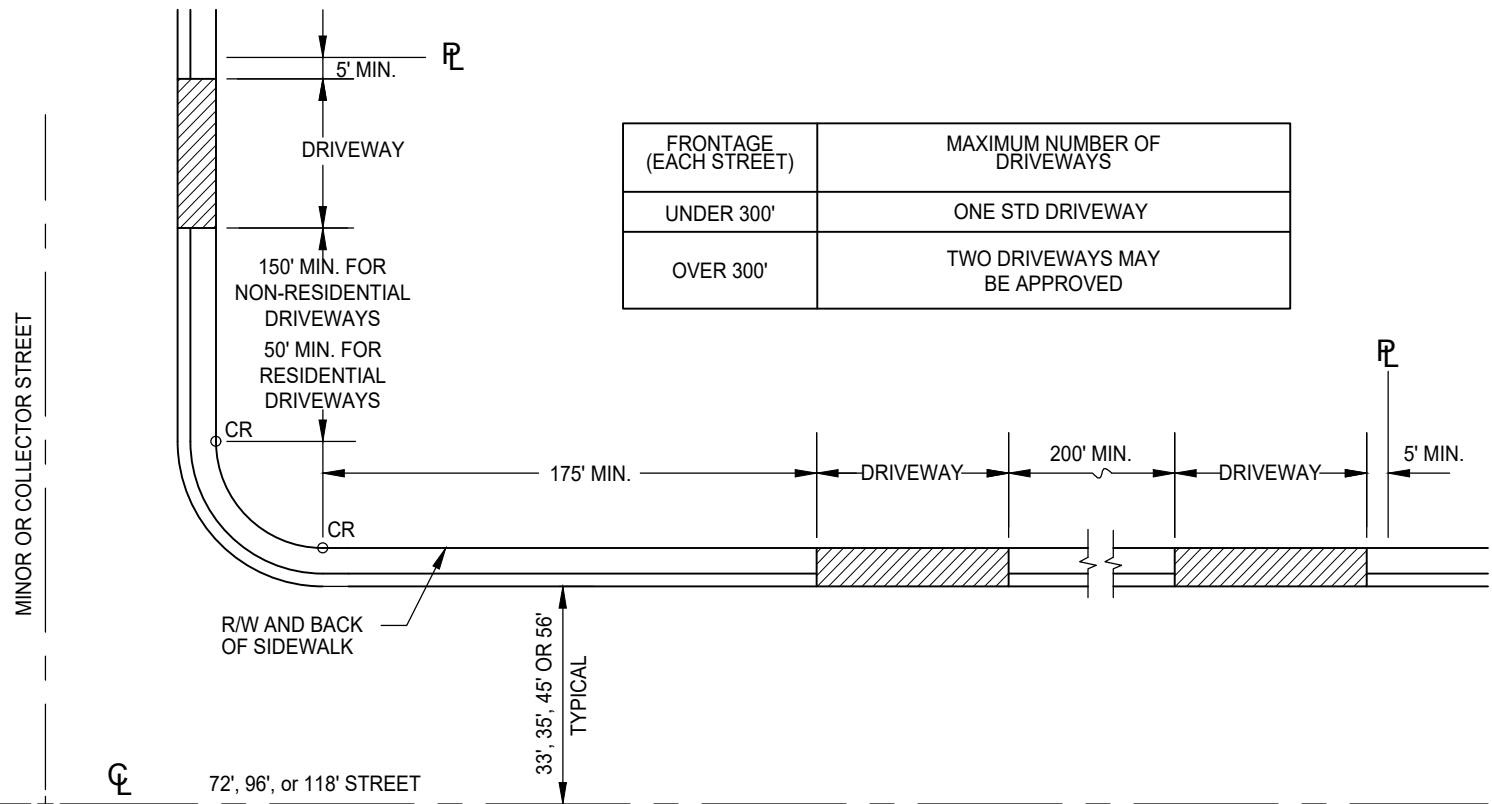
CITY OF ELK GROVE - PUBLIC WORKS

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

APPROVED BY:
Robert Murock 02/26/2021
CITY ENGINEER DATE

DRAWING NUMBER
ST - 21B





FRONTAGE (EACH STREET)	MAXIMUM NUMBER OF DRIVEWAYS
UNDER 300'	ONE STD DRIVEWAY
OVER 300'	TWO DRIVEWAYS MAY BE APPROVED

NOTES:

1. DRIVEWAYS ON 72', 96', AND 118' STREETS SHALL HAVE A MINIMUM CLEAR SPACING OF 200' BETWEEN DRIVEWAYS. LESSER SPACING MAY BE APPROVED BY THE DIRECTOR FOR SMALL LOTS WHERE A MINIMUM OF ONE DRIVEWAY PER STREET FRONTAGE WILL BE APPROVED.
2. FOR ADDITIONAL DRIVEWAY REQUIREMENTS SEE SECTION 4-7 OF THE CITY IMPROVEMENT STANDARDS.

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


CITY OF ELK GROVE - PUBLIC WORKS

DRIVEWAY LOCATION STANDARDS

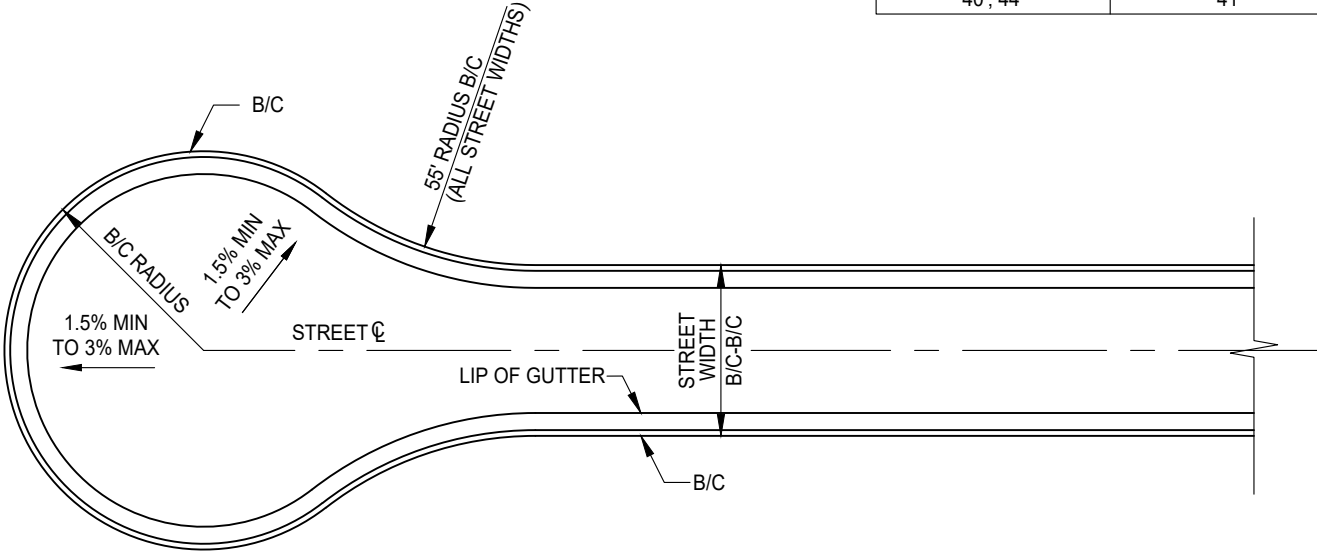
APPROVED BY:
Paul Murock
CITY ENGINEER

10/24/2018
DATE

DRAWING NUMBER
ST - 22



BULB RADIUS REQUIREMENTS	
STREET R/W WIDTH	B/C RADIUS @ BULB
40', 44'	41'



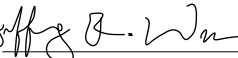
NOTES:

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
2	SJB	SMA	02-23-2024

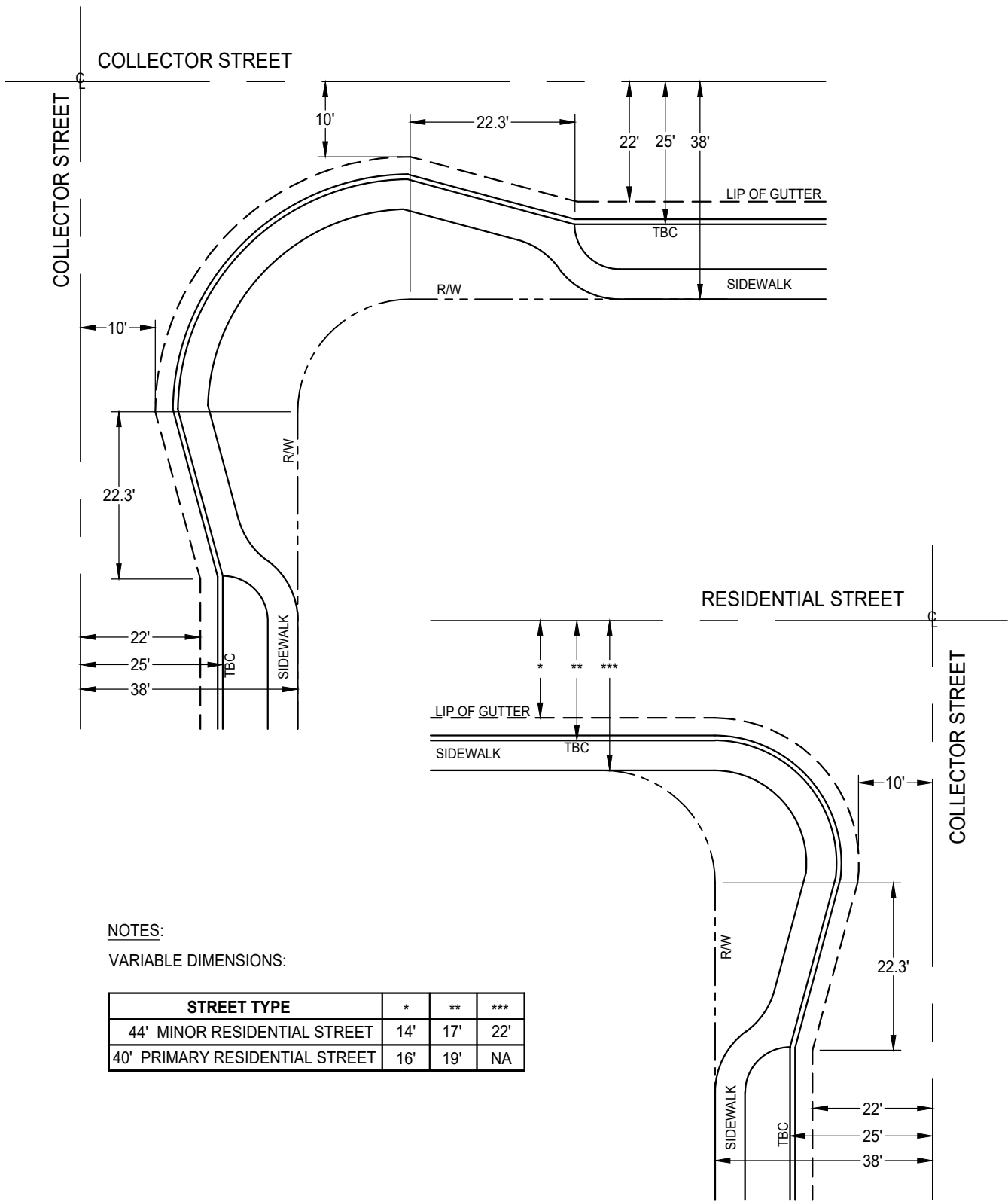
CITY OF ELK GROVE - PUBLIC WORKS

CUL-DE-SAC

APPROVED BY:

 CITY ENGINEER DATE: 04-19-2024



DRAWING NUMBER
ST - 23



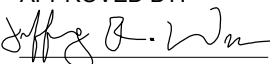
NOTES:

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

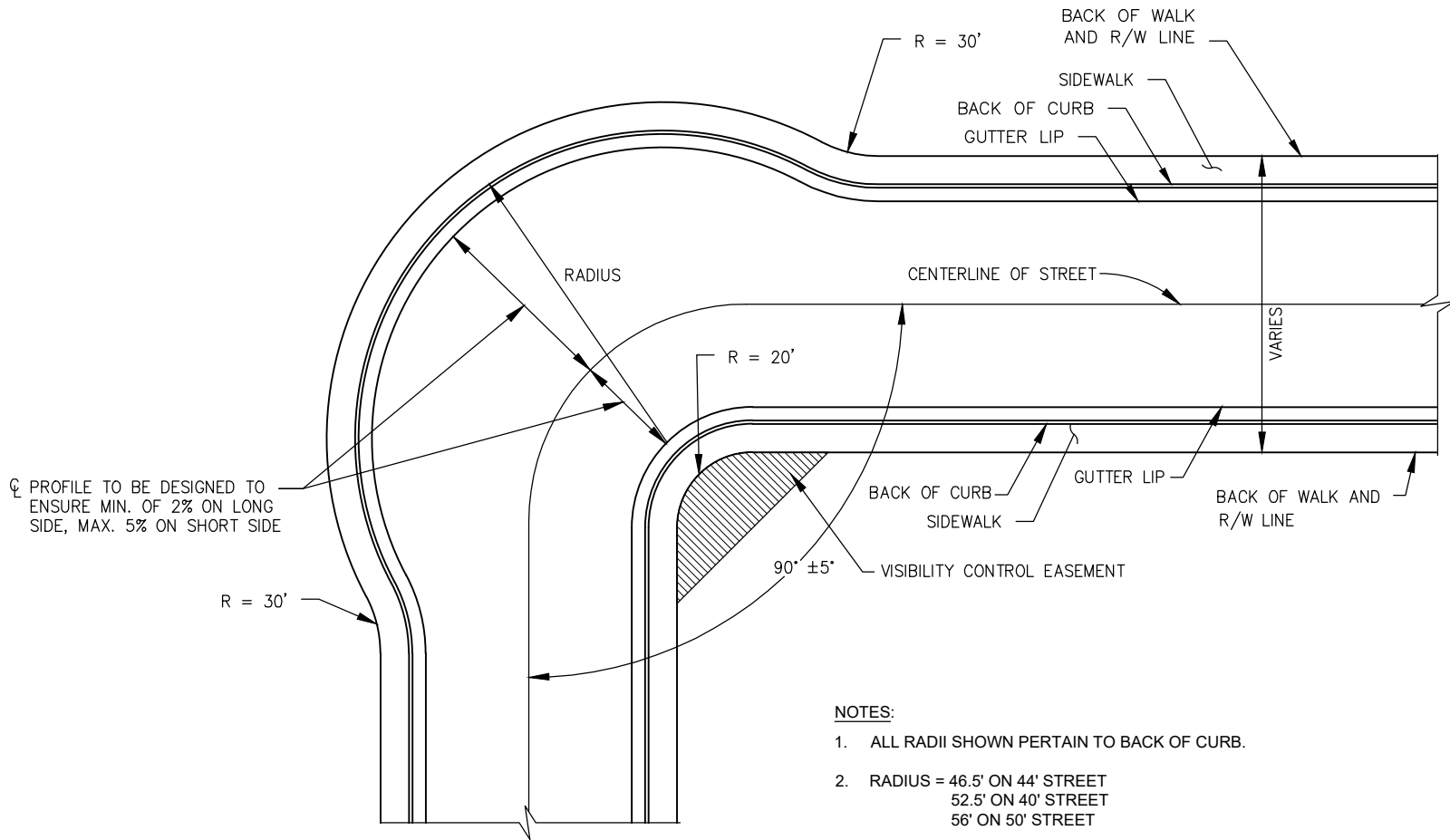
APPROVED BY:

 03-02-2022
 CITY ENGINEER DATE

BULB-OUT DETAIL



DRAWING NUMBER

ST - 24

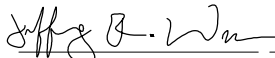


- NOTES:**
1. ALL RADII SHOWN PERTAIN TO BACK OF CURB.
 2. RADIUS = 46.5' ON 44' STREET
52.5' ON 40' STREET
56' ON 50' STREET
 3. INTERSECTION ANGLE SHALL BE $90^\circ \pm 5^\circ$.
 4. SHADED AREA SHALL HAVE VISIBILITY CONTROL EASEMENT IN ACCORDANCE WITH THE IMPROVEMENT STANDARDS SECTION 4-8 AND STANDARD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


DATE: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	STN	SA	08-17-2021

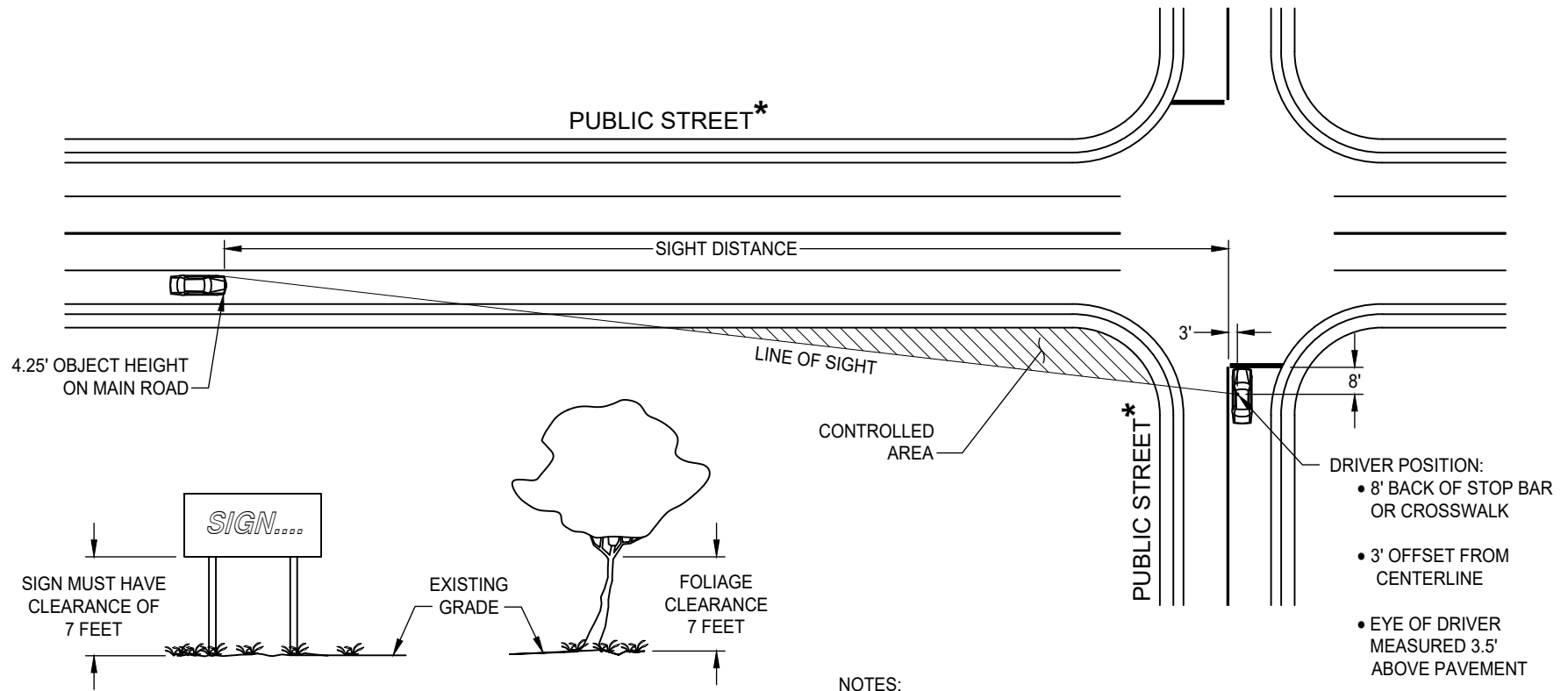
CITY OF ELK GROVE - PUBLIC WORKS

**90 DEGREE INTERSECTION
ELBOW**

APPROVED BY:
 08-18-2021
 CITY ENGINEER DATE

DRAWING NUMBER
ST - 25

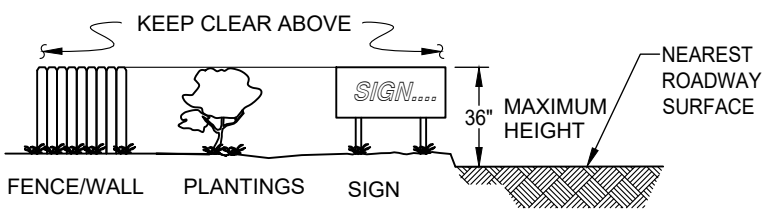




- NOTES:**
1. SHOW LINE OF SIGHT AND SIGHT DISTANCE FOR ALL APPROACHES OF EACH INTERSECTION.
 2. SIGHT DISTANCE SHALL COMPLY WITH THE CITY OF ELK GROVE IMPROVEMENT STANDARDS SECTION 4-8.

* 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			
REVISION	BY	APPROVED	DATE
1	STN	SA	08-17-2021

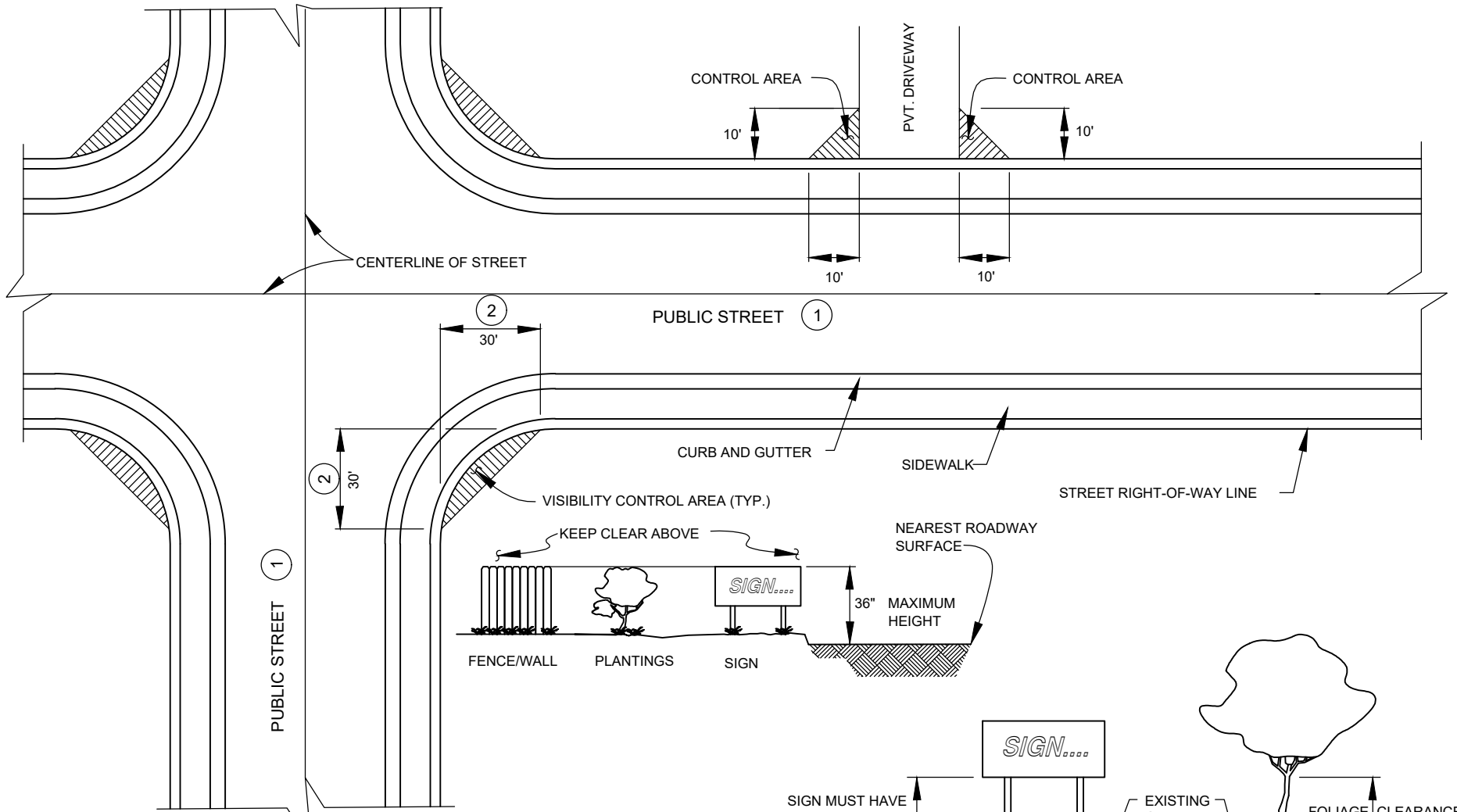
CITY OF ELK GROVE - PUBLIC WORKS

MINIMUM SIGHT DISTANCE AT INTERSECTIONS AND NON-RESIDENTIAL DRIVEWAYS

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

DRAWING NUMBER
ST - 26.1

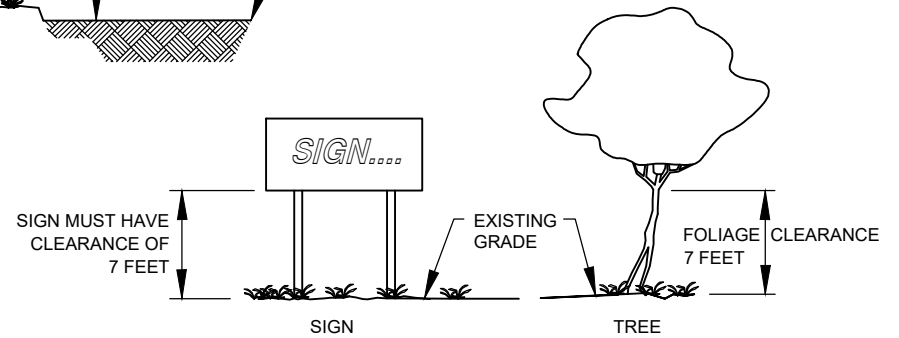




NOTES:

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

**CLEARANCE REQUIRED
WITHIN CONTROLLED AREA**



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

CITY OF ELK GROVE - PUBLIC WORKS

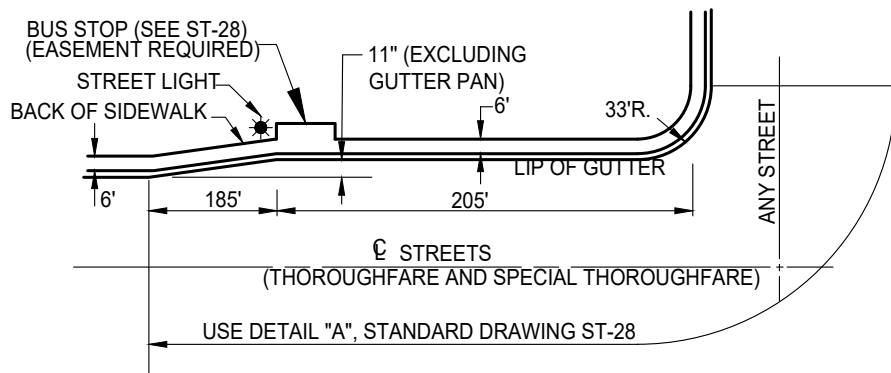
APPROVED BY:
Paul Murock
CITY ENGINEER
10/24/2018
DATE

**VISIBILITY REQUIREMENTS
CITY OF ELK GROVE**

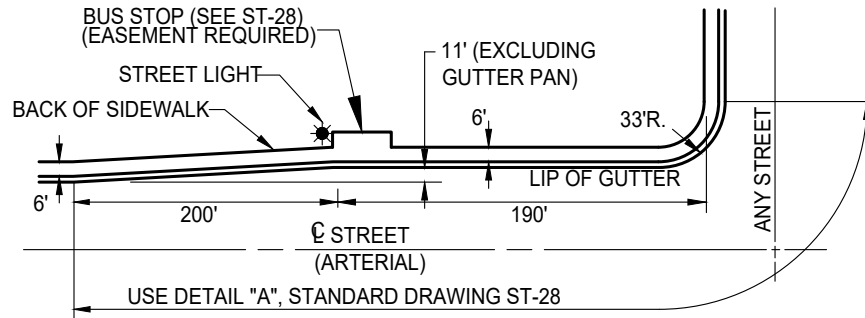


DRAWING NUMBER

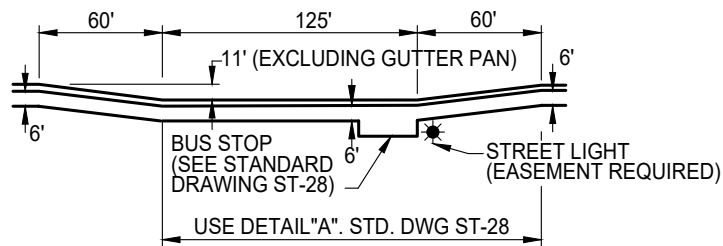
ST - 26.2



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:

Robert M. ...

10/24/2018

CITY ENGINEER

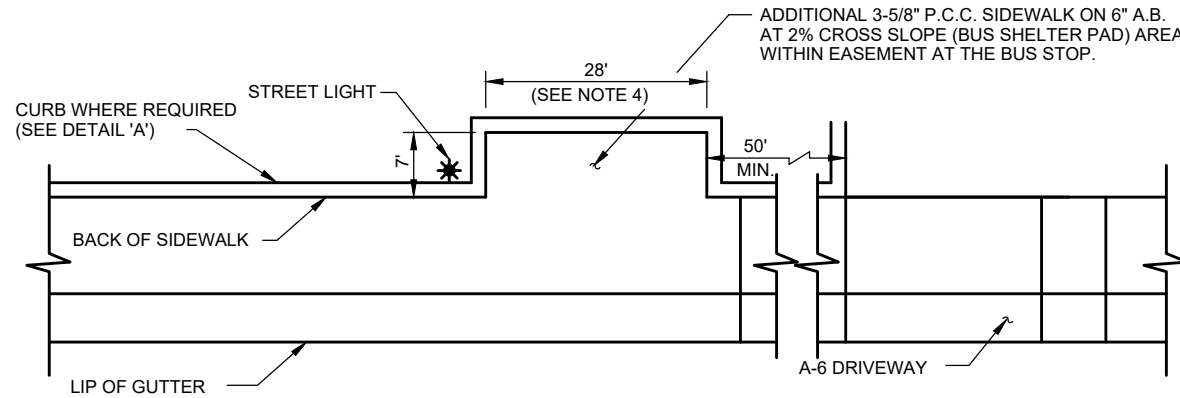
DATE

BUS TURNOUTS



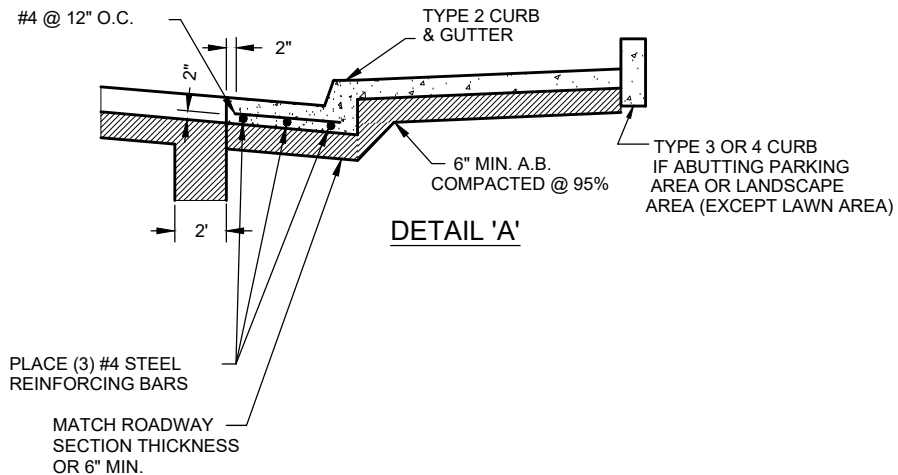
DRAWING NUMBER

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.



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

CITY OF ELK GROVE - PUBLIC WORKS

APPROVED BY:

Paul Murock

10/24/2018

CITY ENGINEER

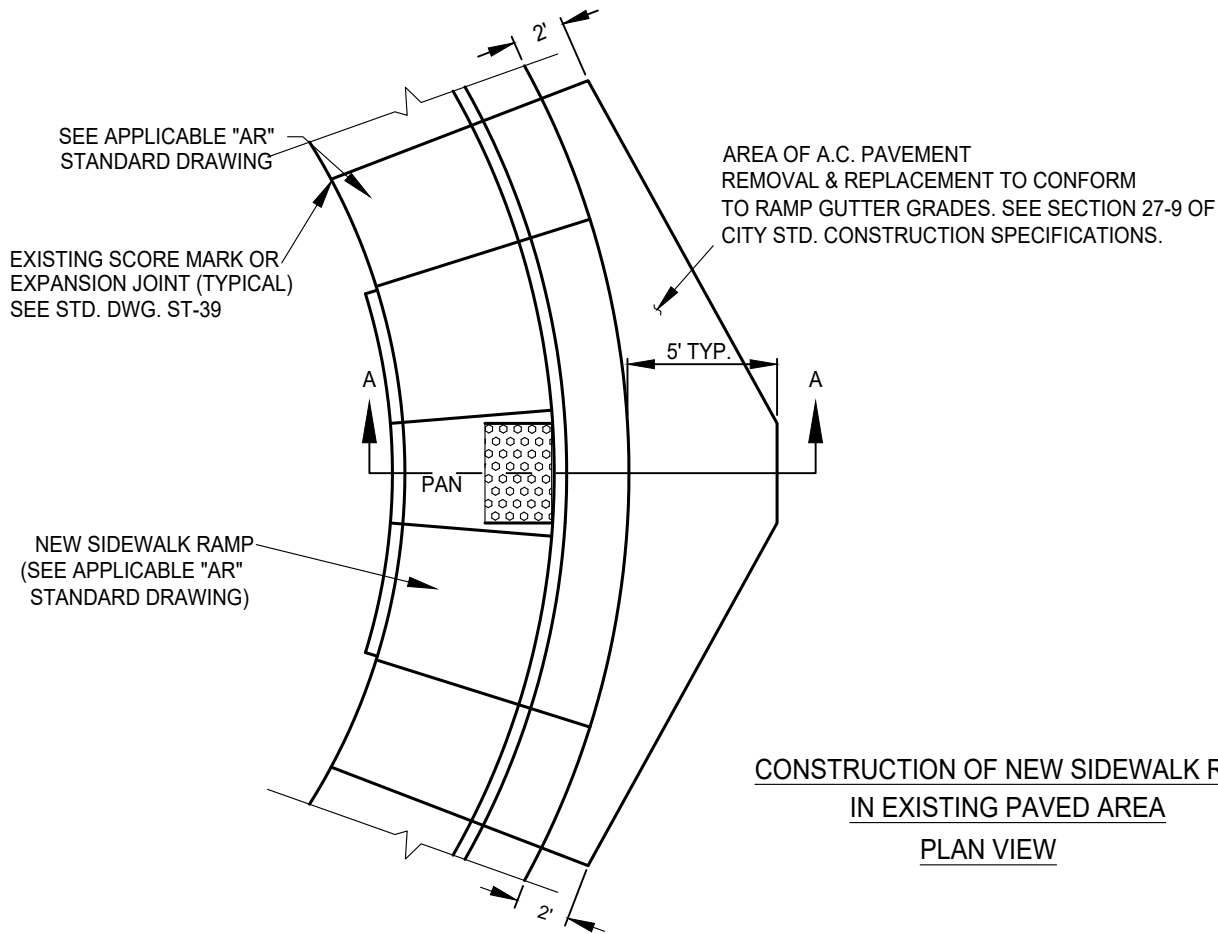
DATE

BUS STOP DETAILS

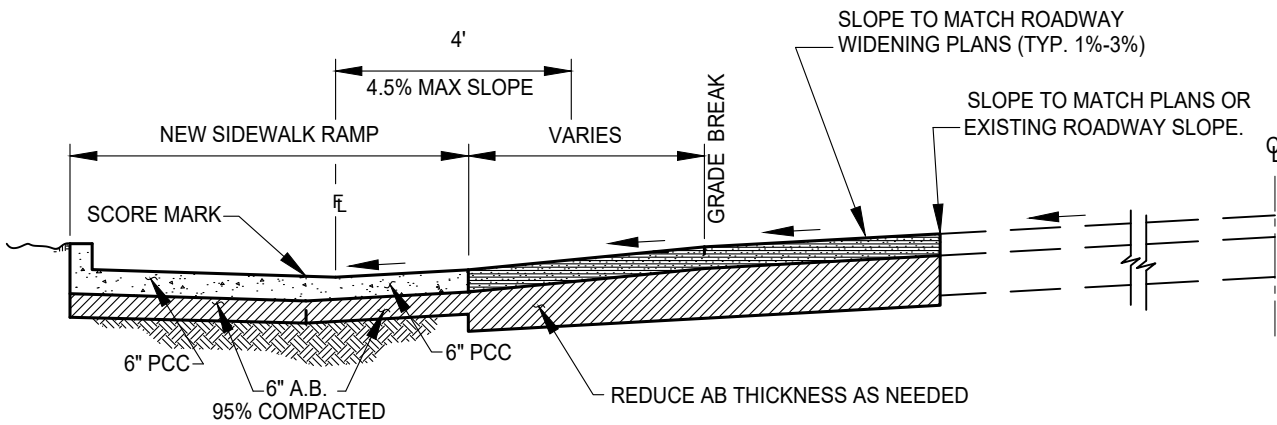


DRAWING NUMBER

ST - 28



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



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


DATE:		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-27-2024

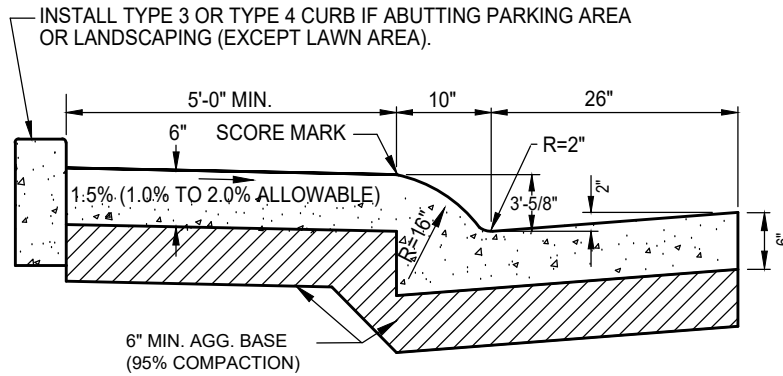
CITY OF ELK GROVE - PUBLIC WORKS

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

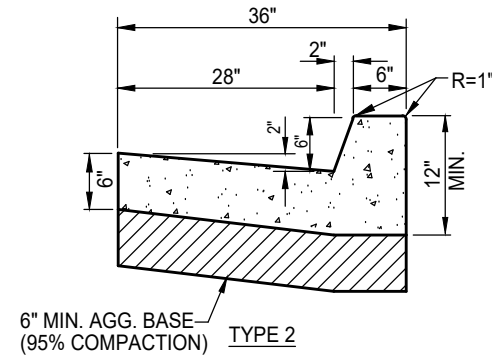
APPROVED BY: _____ 05-28-2024
CITY ENGINEER DATE

DRAWING NUMBER
ST - 30

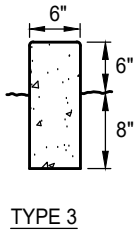




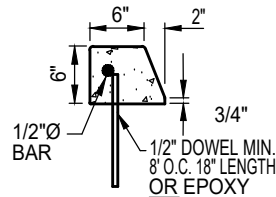
TYPE 1A & TYPICAL SIDEWALK



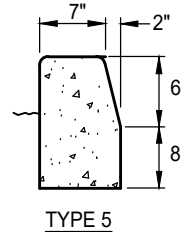
6" MIN. AGG. BASE (95% COMPACTION) TYPE 2



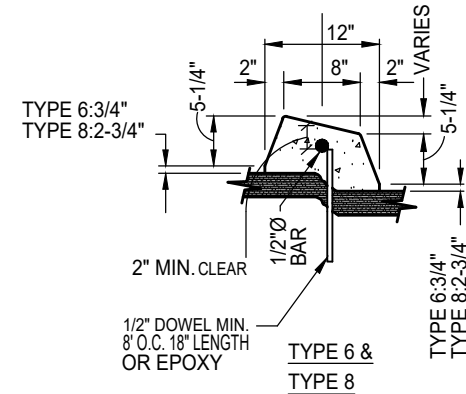
TYPE 3



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



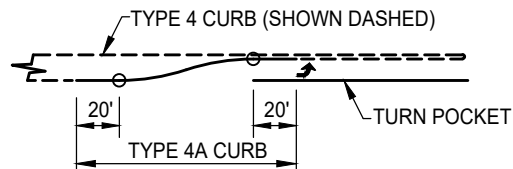
TYPE 5



TYPE 6:3/4"
TYPE 8:2-3/4"

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

TYPE 6:3/4"
TYPE 8:2-3/4"



PLAN FOR TYPICAL PLACEMENT OF TYPE 4A CURB

NOTES:

1. SEE SECTION 27-3.01 FOR REQUIREMENT FOR EXPANSION JOINTS, WEAKENED PLANE JOINTS AND SCORE MARKS.
2. 1/2" RADIUS ON EXPOSED EDGES UNLESS NOTED OTHERWISE.
3. SEE ST-28 FOR BUS STOP DETAIL A 1/2-INCH CONCRETE BATTER SHALL BE PLACED ON ALL CURB LIPS.

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

CITY OF ELK GROVE - PUBLIC WORKS

TYPICAL CURB & GUTTER SECTIONS

APPROVED BY:

Paul Muddoch

CITY ENGINEER

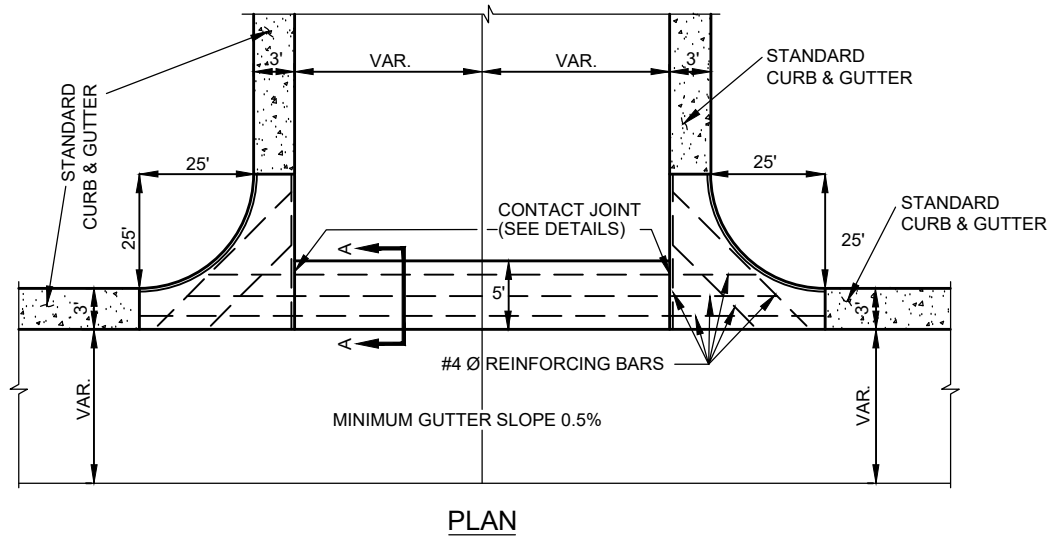
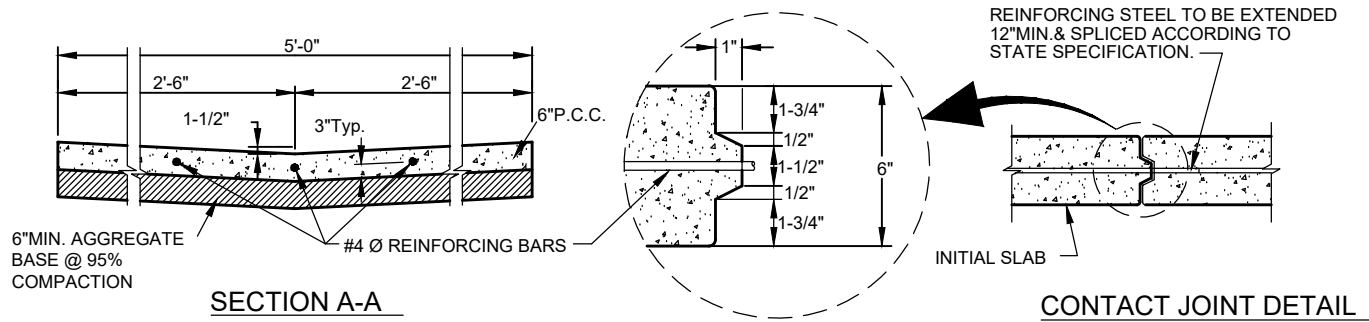
10/24/2018

DATE



DRAWING NUMBER

ST - 31



NOTE:

1. 6" MIN AGGREGATE BASE (95% RELATIVE COMPACTION) TO BE PLACED WITHIN LIMITS OF CROSS GUTTER.

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

CITY OF ELK GROVE - PUBLIC WORKS

APPROVED BY:

Paul M. ...

02/26/2021

CITY ENGINEER

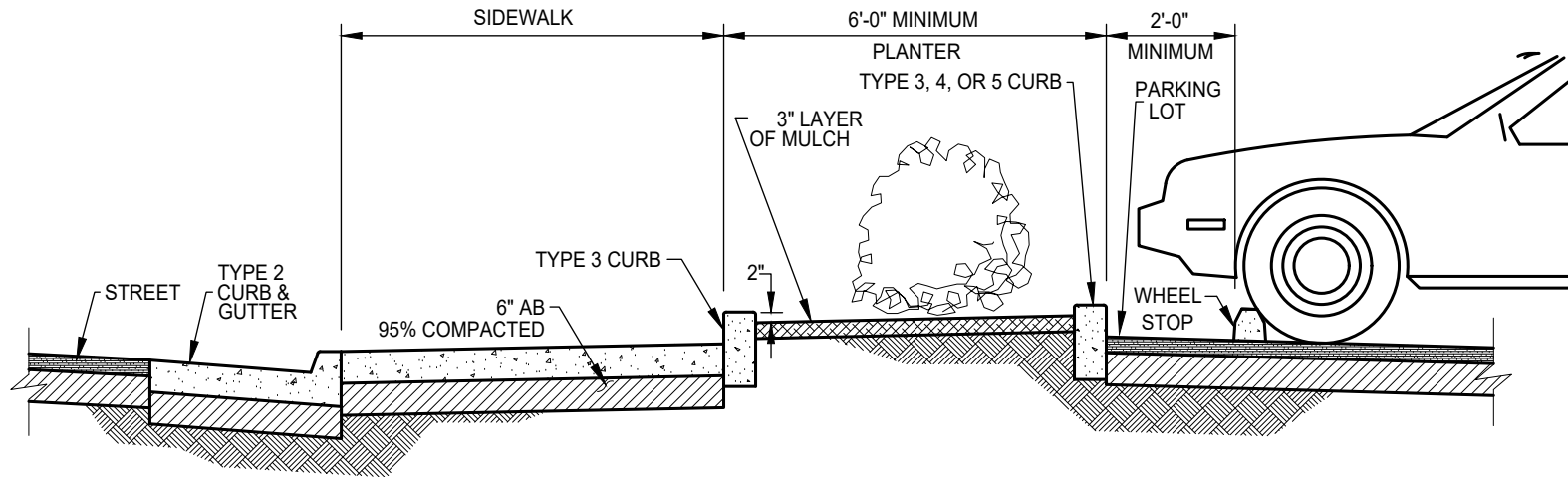
DATE

CROSS GUTTER



DRAWING NUMBER

ST - 32



NOTES:

1. FOR 74', 96', & 118' STREET WIDTHS AND COMMERCIAL DEVELOPMENT.
2. SEE SECTION 4-16 OF THE CITY IMPROVEMENT STANDARDS 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 74', 96', & 118' STREETS

DATE: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-28-2024


CITY OF ELK GROVE - PUBLIC WORKS

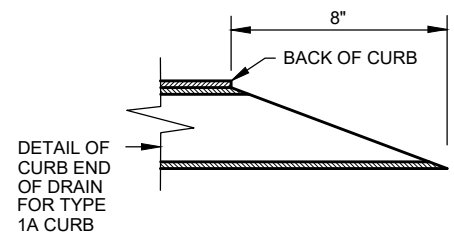
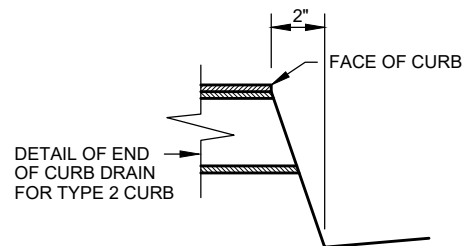
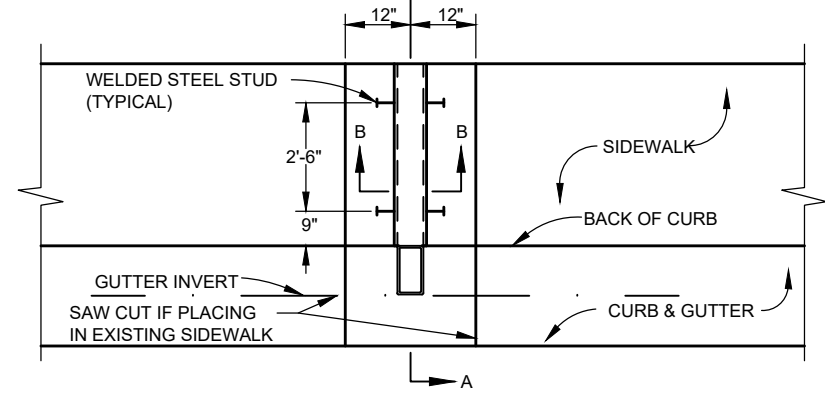
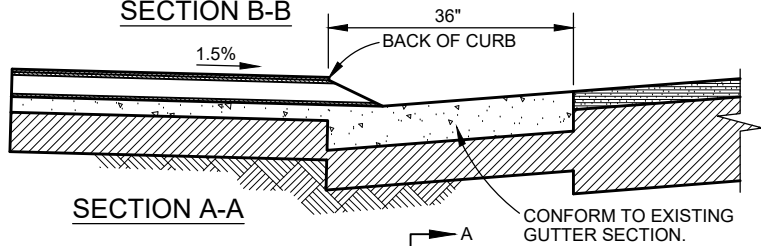
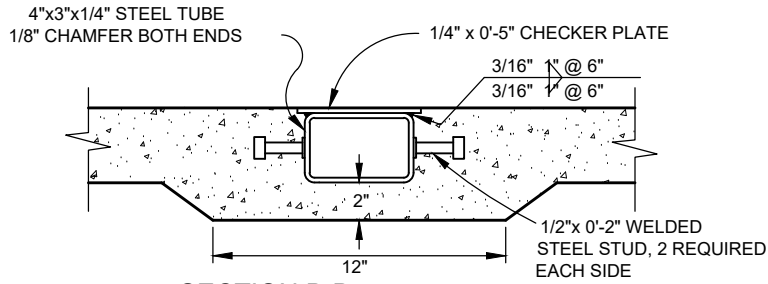
BARRIER CURB DETAIL

APPROVED BY: _____

CITY ENGINEER _____ DATE _____

DRAWING NUMBER
ST - 33





NOTE:
1. GALVANIZE AFTER FABRICATION

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

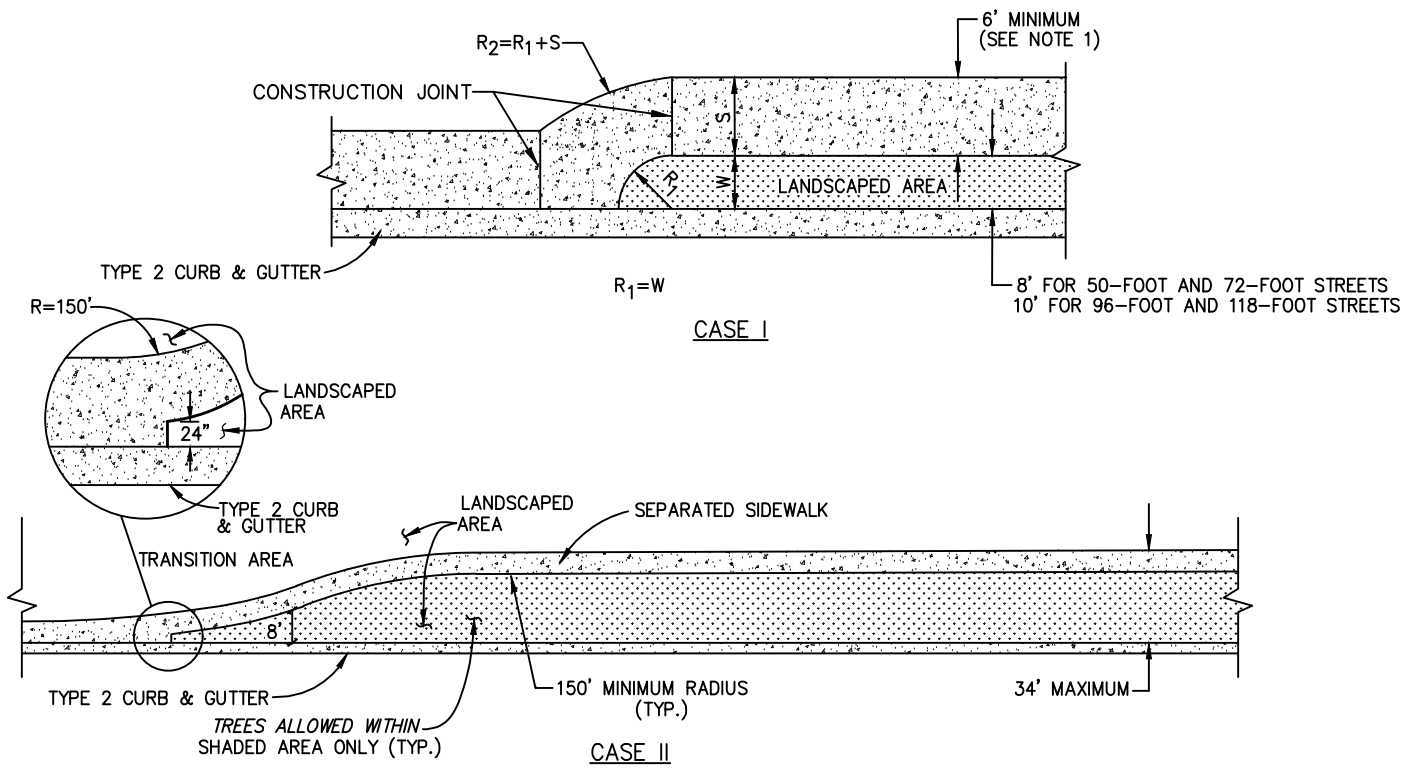
CITY OF ELK GROVE - PUBLIC WORKS

APPROVED BY:
Paul Murock
CITY ENGINEER
10/24/2018
DATE

**UNDER
SIDEWALK DRAIN**



DRAWING NUMBER
ST - 34



NOTES:

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%.

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

CITY OF ELK GROVE - PUBLIC WORKS

**SEPARATED (OR DETACHED)
SIDEWALK TRANSITION**

APPROVED BY:

Paul Muroch

CITY ENGINEER

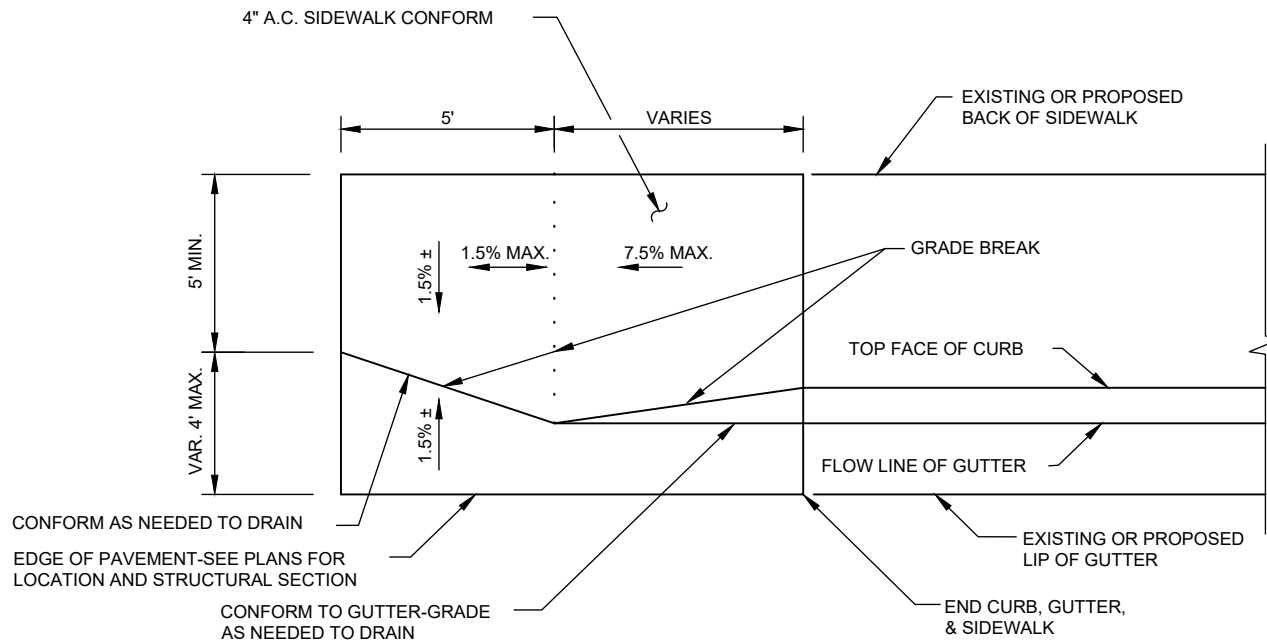
10/24/2018

DATE



DRAWING NUMBER

ST - 35



NOTE:

1. 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: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-28-2024

CITY OF ELK GROVE - PUBLIC WORKS

**A.C. SIDEWALK
CONFORM**

APPROVED BY:

[Signature] 05-28-2024

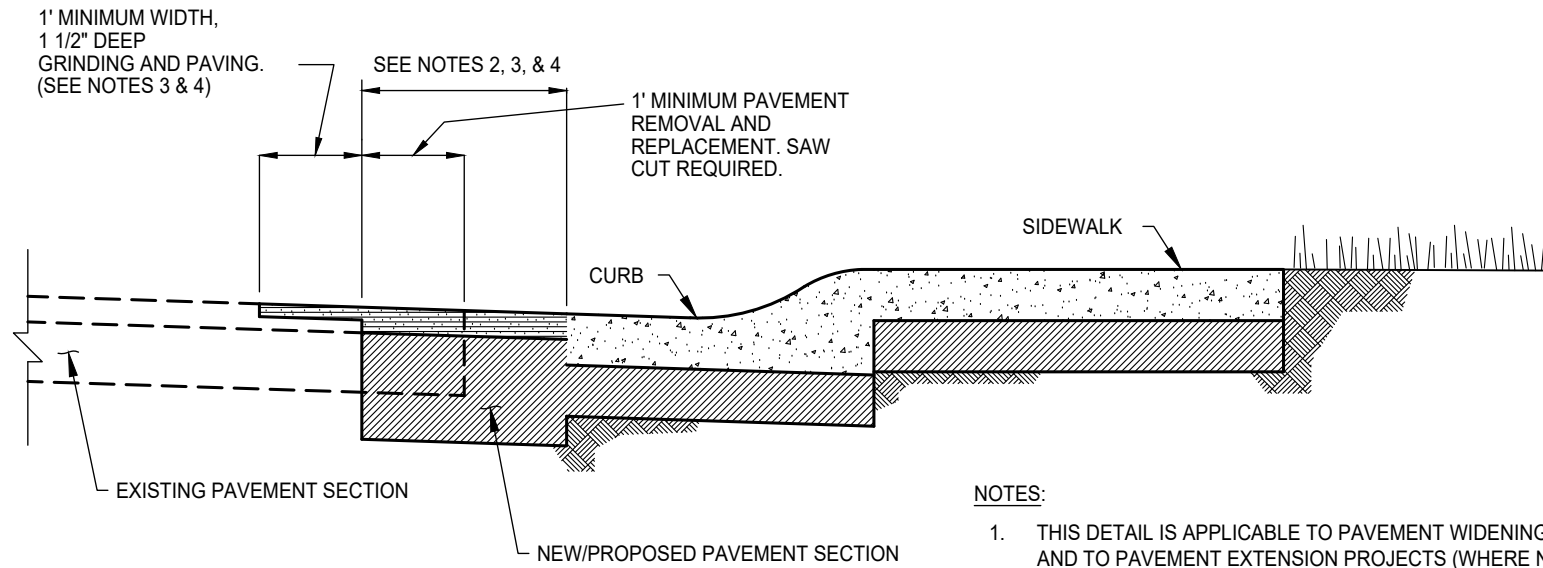
CITY ENGINEER

DATE



DRAWING NUMBER

ST - 36



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.
3. GRINDING AND PAVING JOINT SHALL BE LOCATED ALONG GUTTER PATH, LANE PATH, OR CENTER OF LANES AND SHALL NOT BE PLACED IN WHEEL PATH.
4. 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 INSPECTOR'S DISCRETION, AT THE CONTRACTOR'S EXPENSE.

DATE: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	02-23-2024

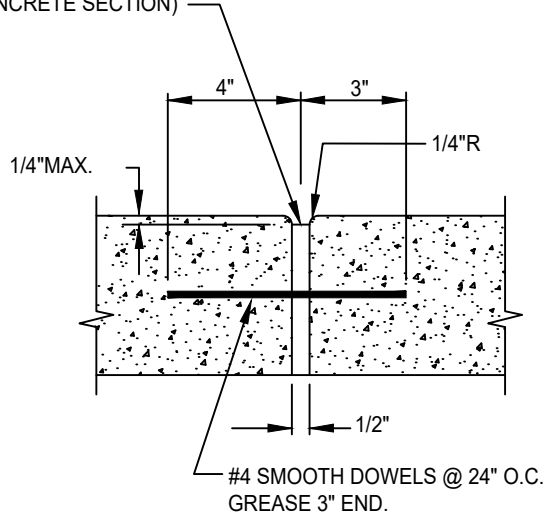
CITY OF ELK GROVE - PUBLIC WORKS

PAVEMENT WIDENING DETAIL

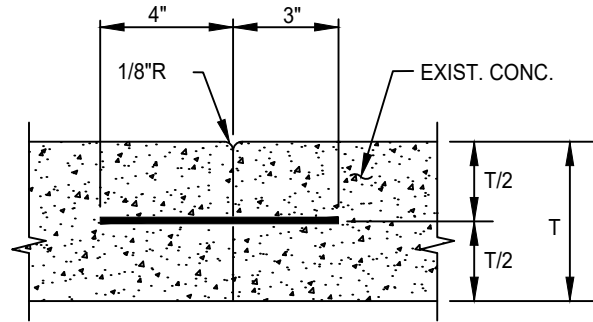
APPROVED BY: *Jeffrey J. Wan* 03-12-2024
CITY ENGINEER DATE

 DRAWING NUMBER
ST - 38

EXPANSION JOINT
FILLER MATERIAL
(MATCH FULL
CONCRETE SECTION)



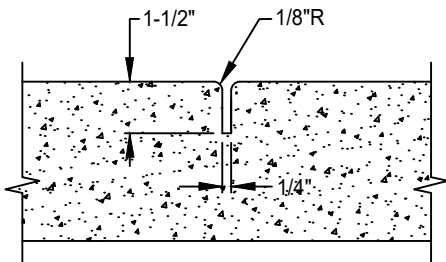
EXPANSION JOINT



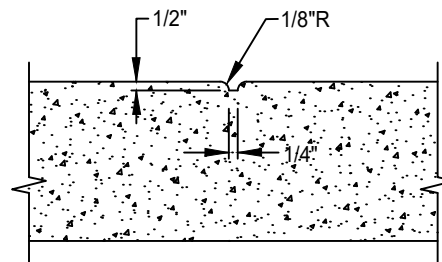
#4 DOWELS @ 24" O.C.
(DRILL HOLE AND SET DOWEL IN GROUT)

SIDEWALK CONTACT JOINT

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



WEAKENED PLANE JOINT



SCORE MARK

NOTE:

1. JOINT SPACING PER SECTION
27-3.01 OF THE CITY STANDARD
CONSTRUCTION SPECIFICATIONS.

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

CITY OF ELK GROVE - PUBLIC WORKS

**STANDARD CONCRETE
JOINT DETAILS**

APPROVED BY:

Paul Murock

10/24/2018

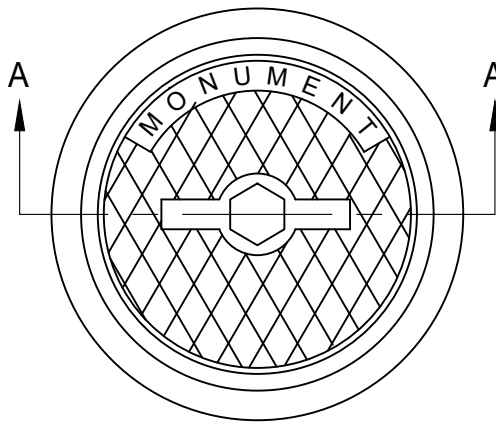
CITY ENGINEER

DATE

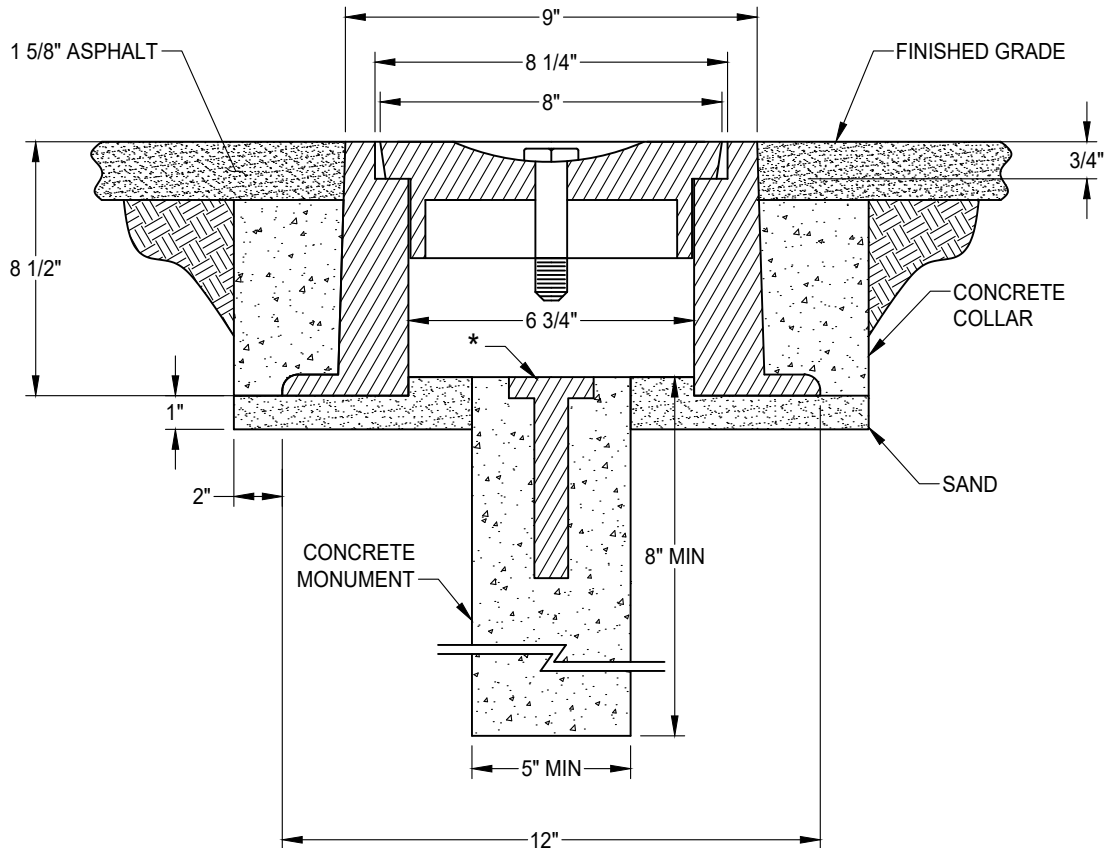


DRAWING NUMBER

ST - 39



SET WEIGHT	
Frame	45 Lbs
Lid	13 Lbs
Total	58 Lbs



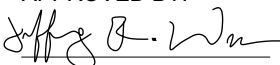
SECTION A-A

NOTES:

1. MONUMENT BOX AND COVER SHALL BE SOUTH BAY FOUNDRY B1201-R2 OR APPROVED EQUAL.
2. ALL MATERIALS USED IN MANUFACTURING SHALL CONFORM TO ASTM 48, CLASS 35B.
3. FRAME AND COVER BEARING SURFACES SHALL BE MACHINED TO ASSURE CLOSE, QUIET FIT.
4. FRAME AND COVER SHALL EXCEED H-20 WHEEL LOADING.
5. CASTINGS SHALL BE DIPPED IN BLACK BITUMINOUS PAINT.
6. (*) 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 3.5" BELOW STREET GRADE.
7. 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 6/21/2021		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-28-2024

CITY OF ELK GROVE - PUBLIC WORKS

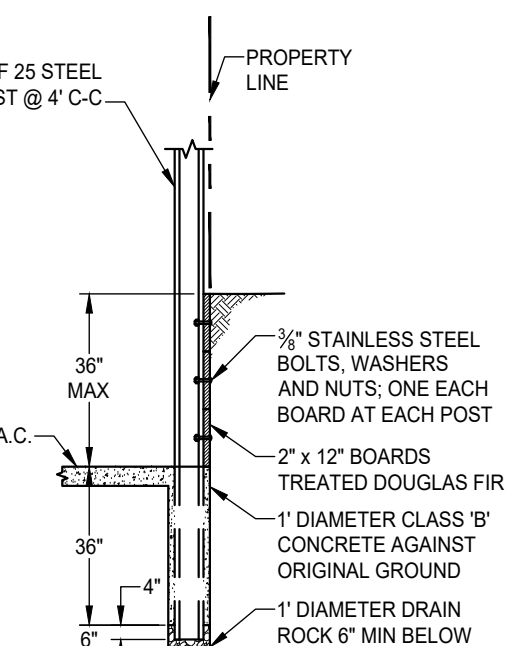
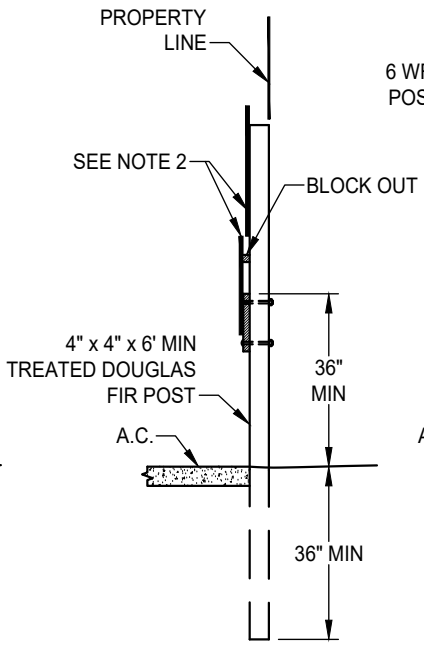
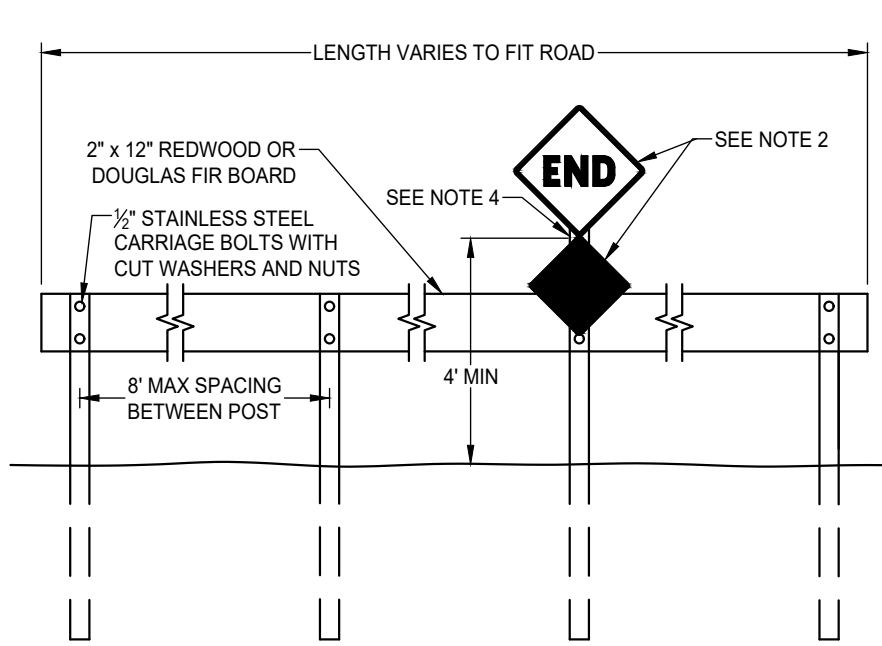
APPROVED BY:

 CITY ENGINEER DATE 04-19-2024

STREET SURVEY MONUMENT



DRAWING NUMBER

ST - 40



SIDE VIEW

STREET ENDING IN CUT WHERE SLOPE IS NOT OBTAINABLE

NOTES:

1. 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.
2. 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.
3. 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.
4. POST AT CENTER OR NEAREST TO CENTER ON RIGHT HAND SIDE TO BE EXTENDED TO PROVIDE MOUNTING FOR SIGNS.
5. POST SHALL BE PRESSURE TREATED PER STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 57-2.01.

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

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


CITY OF ELK GROVE - PUBLIC WORKS

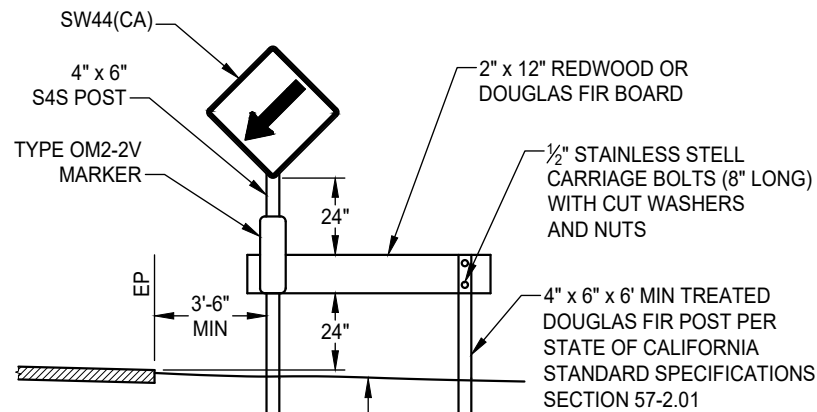
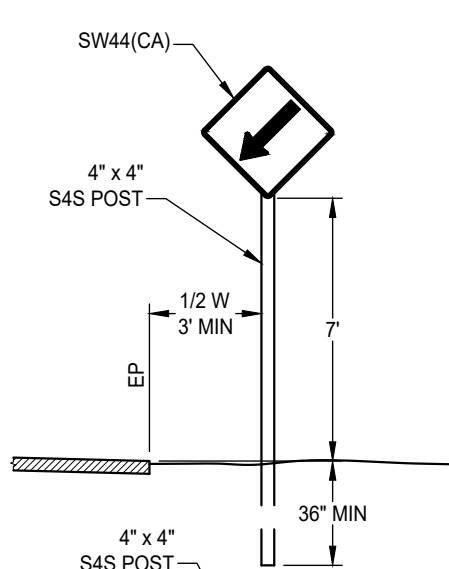
STREET CLOSURE TIMBER BARRICADE

APPROVED BY:
Paul Murock
CITY ENGINEER

10/24/2018
DATE

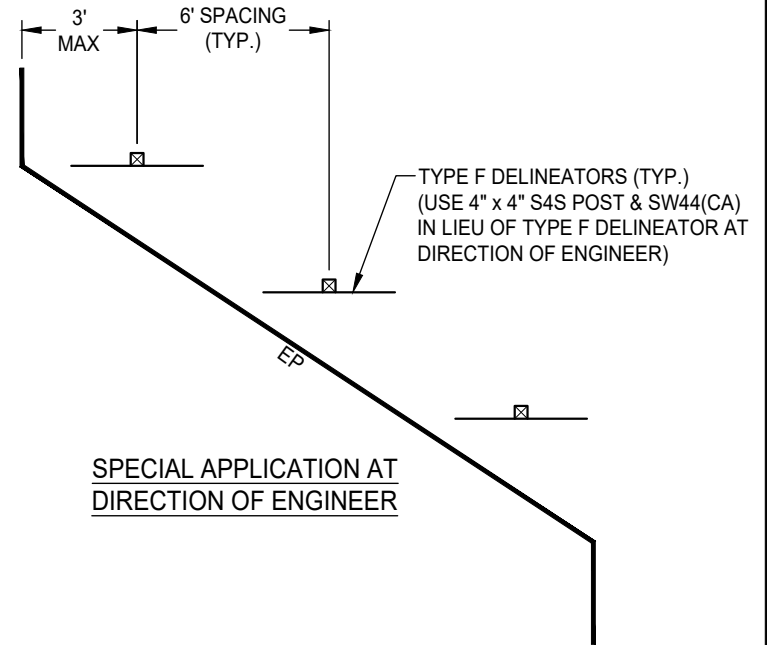
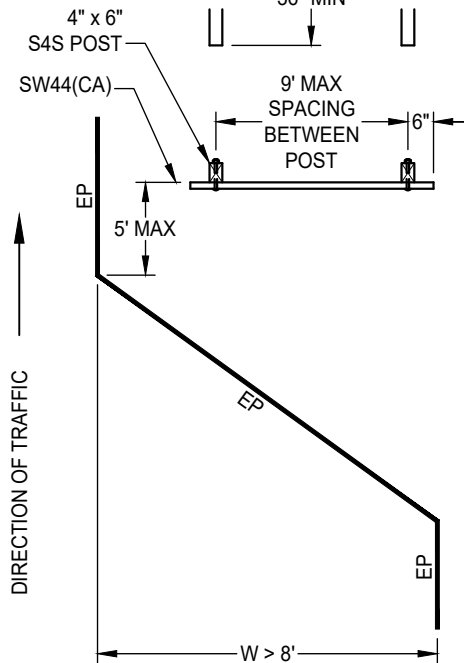
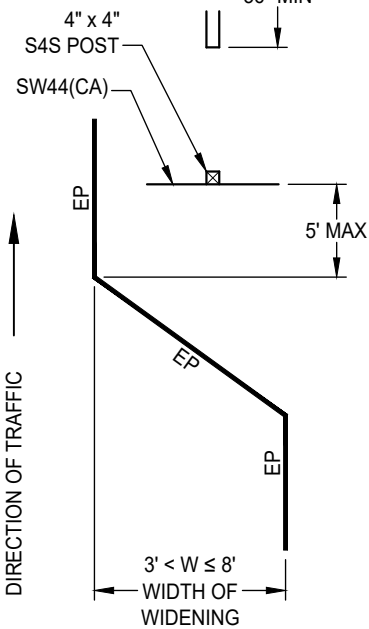
DRAWING NUMBER
ST - 41





NOTE:

1. 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: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE


CITY OF ELK GROVE - PUBLIC WORKS

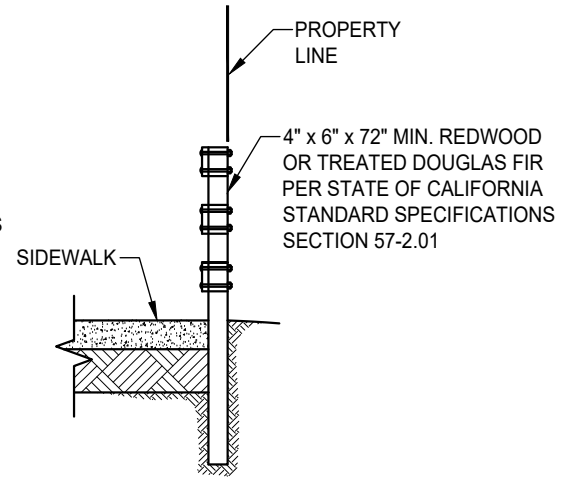
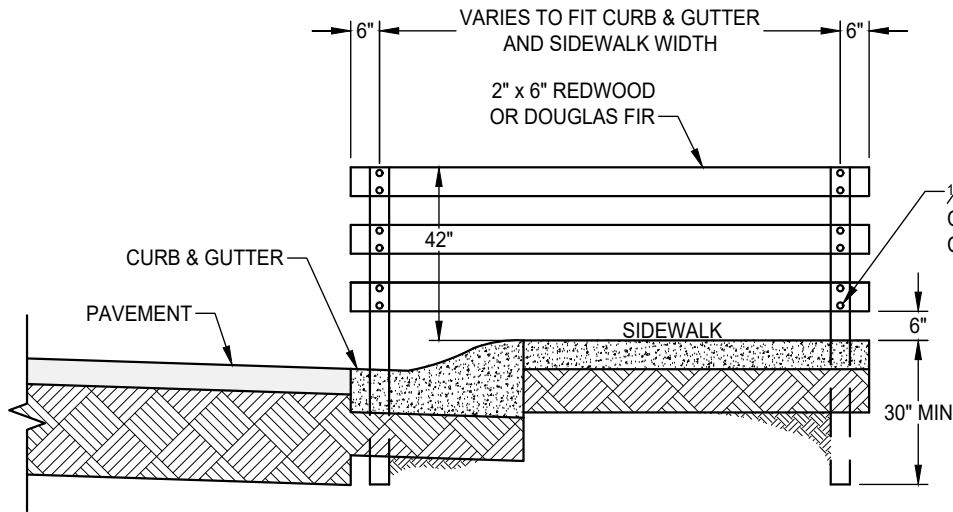
SIGNS AND BARRICADES AT ABRUPT CHANGE OF PAVEMENT WIDTH

APPROVED BY:
Paul Murock
CITY ENGINEER

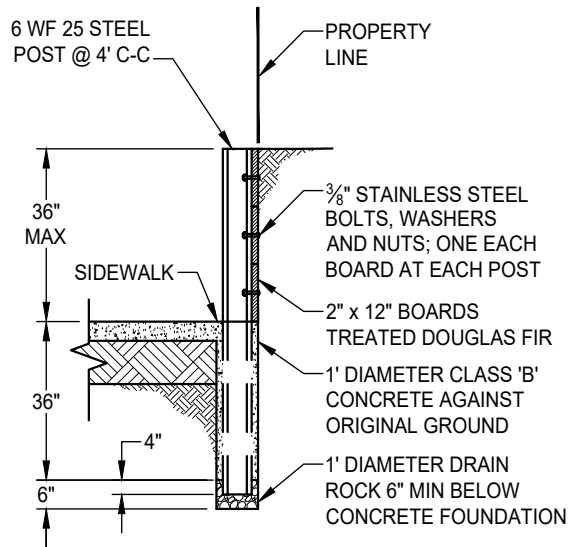
10/24/2018
DATE

DRAWING NUMBER
ST - 42





SIDE VIEW



DETAIL FOR SIDEWALK BARRICADE WITH RETAINING WALL

NOTES:

1. SIDEWALK BARRICADES TO BE ERECTED AT EACH LOCATION WHERE SATISFACTORY PROVISION CAN NOT BE MADE FOR PEDESTRIAN TO CONTINUE BEYOND THE TERMINUS 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 91-3.

DATE: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-28-2024

CITY OF ELK GROVE - PUBLIC WORKS

SIDEWALK BARRICADE

APPROVED BY:

[Signature] 05-28-2024

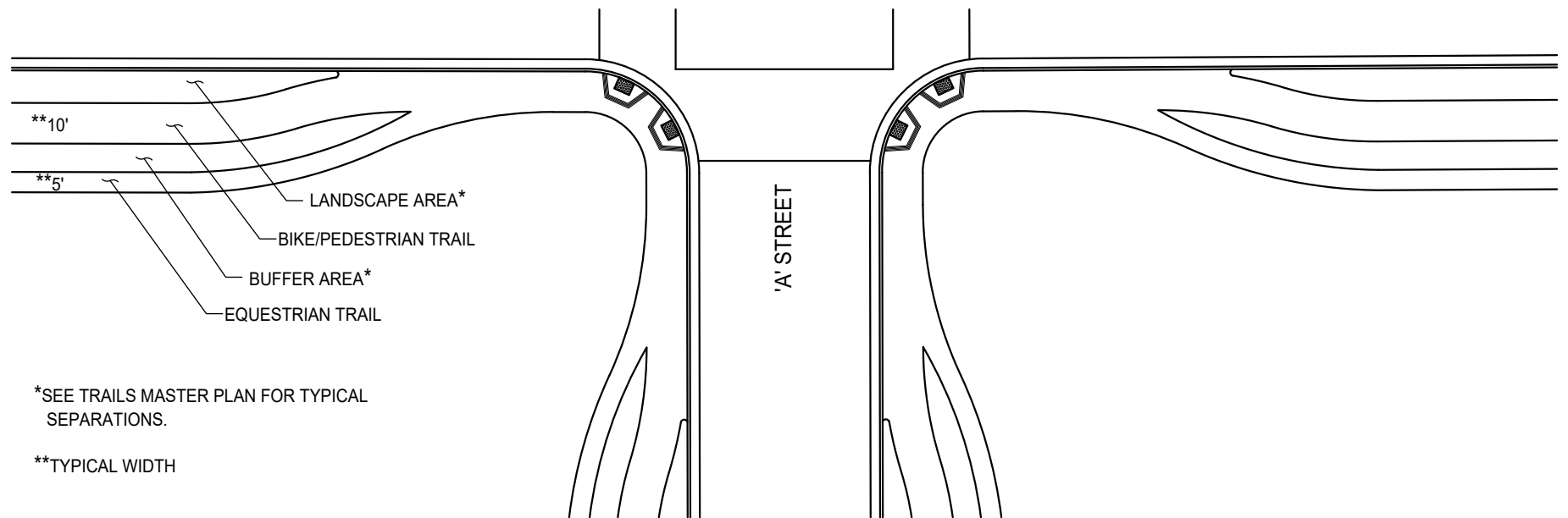
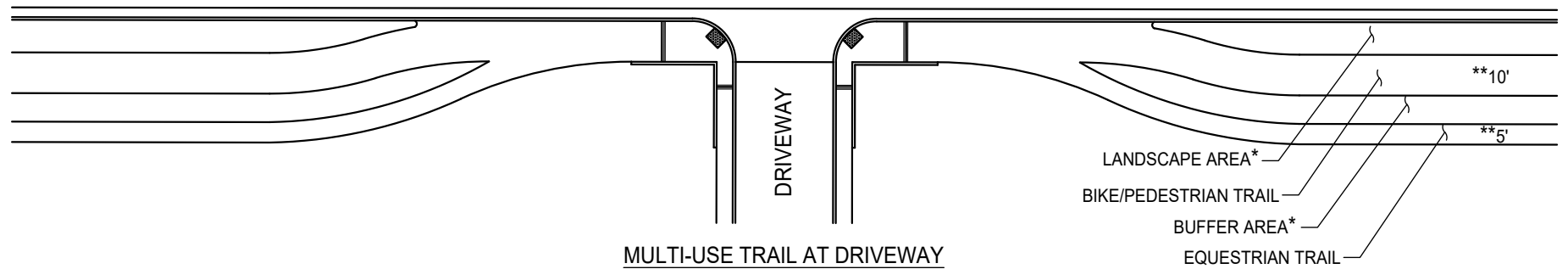
CITY ENGINEER

DATE



DRAWING NUMBER

ST - 43



*SEE TRAILS MASTER PLAN FOR TYPICAL SEPARATIONS.

**TYPICAL WIDTH


DATE: 09/22/2007		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	SJB	SMA	03-28-2024

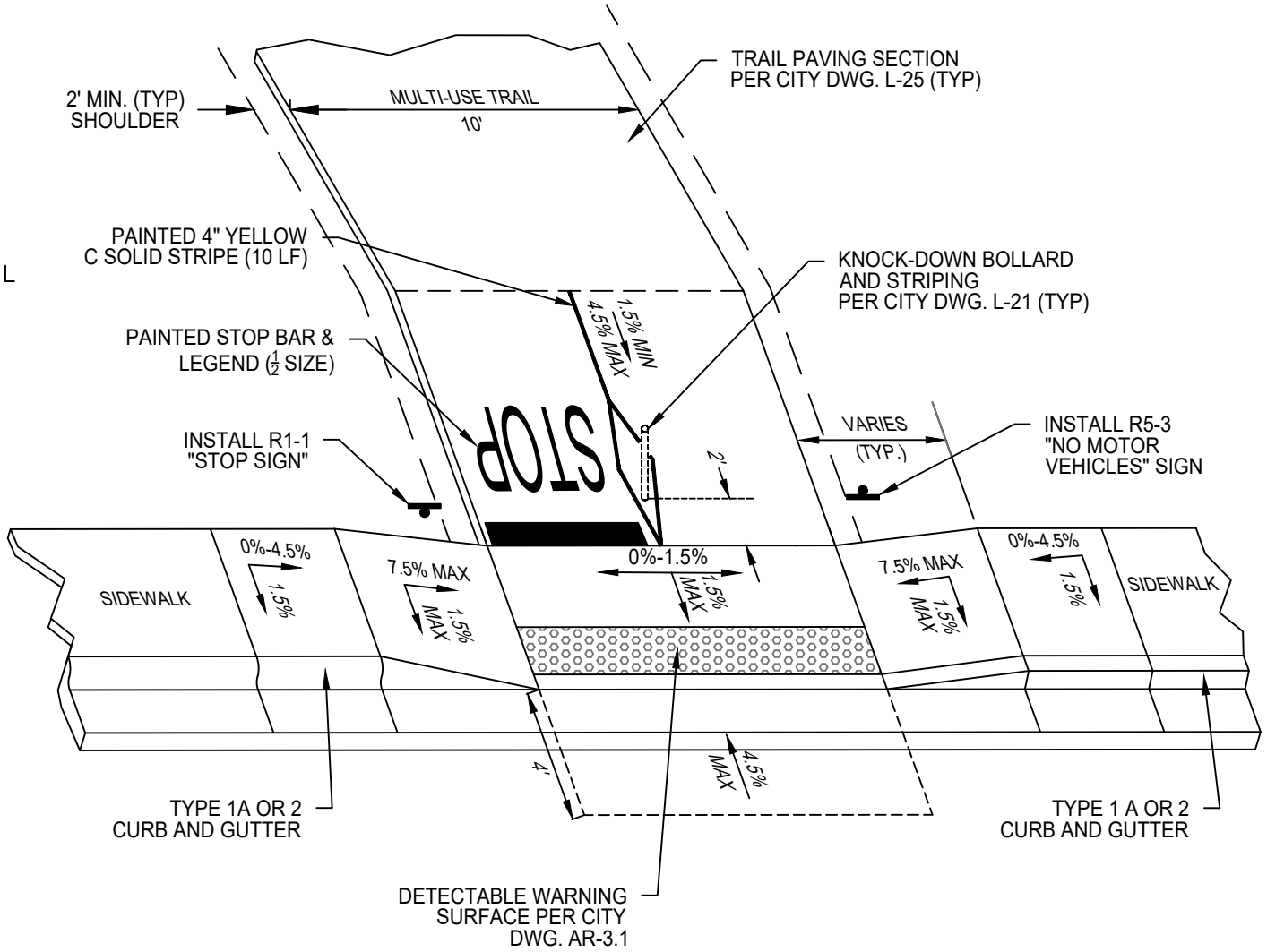
CITY OF ELK GROVE - PUBLIC WORKS

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

APPROVED BY: _____
CITY ENGINEER 05-28-2024
DATE

DRAWING NUMBER
ST - 44





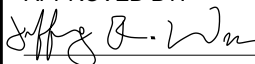
NOTES:

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

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

APPROVED BY:

 CITY ENGINEER DATE: 03-02-2022

DRAWING NUMBER
ST-45

