
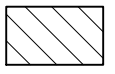


LEGEND

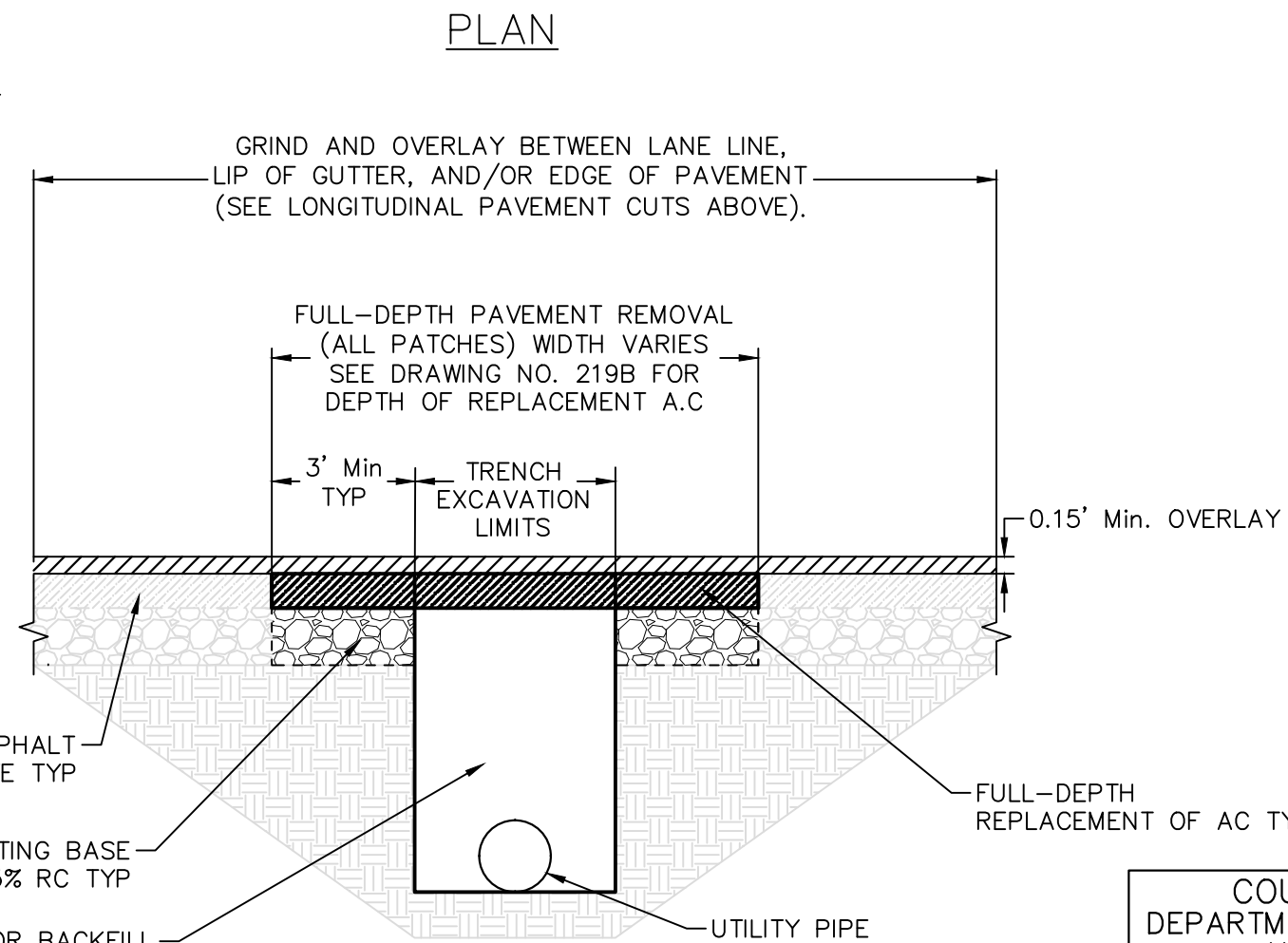
 OVERLAY LIMITS FOR PAVEMENT 5 YEARS OLD AND NEWER
 WHEN PAVEMENT IS 5 YEARS OLD, OR LESS, A PAVEMENT PATCH IS REQUIRED TO THESE LIMITS. NO JOINTS OR REDUCTION IN AREA ARE ALLOWED. PAVEMENT REPLACEMENT IS REQUIRED TO THE NEXT ADJACENT CURB/EDGE OF PAVEMENT, PARKING OR LANE LINE WHENEVER A TRENCH OR DISTURBANCE OF ASPHALT OR SUPPORT MATERIAL EXTENDS BEYOND SUCH LINE. SEE NOTE 3 ON THIS PAGE.

 OVERLAY LIMITS FOR PAVEMENT OLDER THAN 5 YEARS
 WHEN PAVEMENT IS OLDER THAN 5 YEARS, A PAVEMENT PATCH IS REQUIRED TO THESE LIMITS. NO JOINTS OR REDUCTION IN AREA ARE ALLOWED. PAVEMENT REPLACEMENT IS REQUIRED TO THE NEXT ADJACENT CURB, PARKING OR LANE LINE WHENEVER A TRENCH OR DISTURBANCE OF ASPHALT OR SUPPORT MATERIAL EXTENDS BEYOND SUCH LINE. SEE NOTE 3 ON THIS PAGE.

 TRENCH LIMITS AT TOP OF PAVEMENT

 T SECTION LIMITS (FULL DEPTH AC REPLACEMENT)

- NOTES**
1. FULL-DEPTH PAVEMENT PATCH JOINTS SHALL BE SEALED WITH CRAFCO POLYFLEX TYPE-1, OR EQUAL.
 2. ALL CUTS SHALL BE PERPENDICULAR OR PARALLEL TO DIRECTION OF TRAVEL.
 3. REMOVE ADDITIONAL PAVEMENT TO ADJACENT EXISTING PAVEMENT PATCH, MANHOLE, BOX, OR EDGE OF PAVEMENT IF THESE FEATURES ARE WITHIN 3 FEET OF FINAL SAW CUT.
 4. SEE SONOMA COUNTY CONSTRUCTION STANDARD DRAWING 219E FOR REQUESTING AN EXCEPTION TO THIS STANDARD PLAN. APPROVED EXCEPTIONS SHALL BE INCLUDED AS SPECIAL ENCROACHMENT PERMIT CONDITIONS.



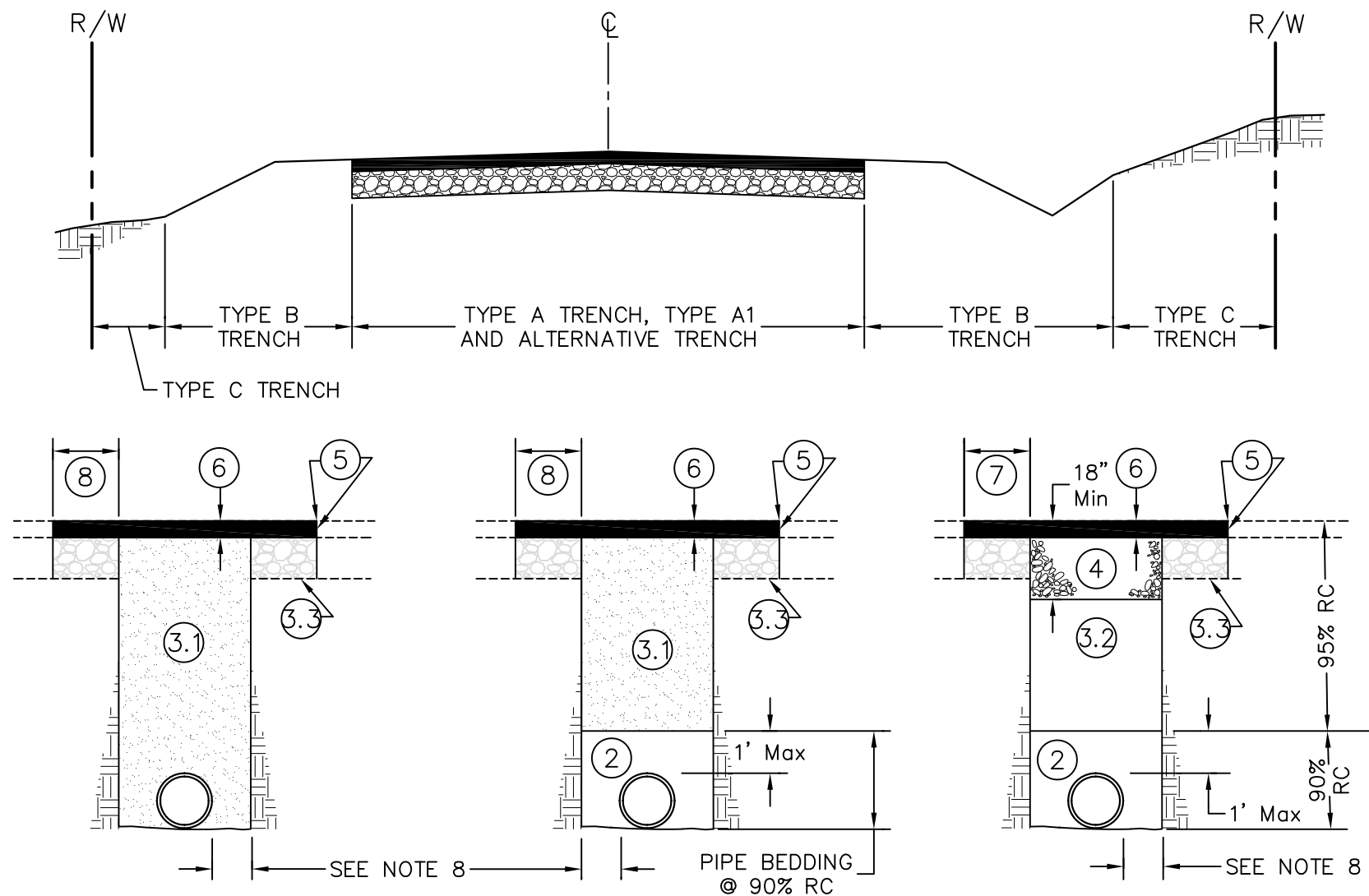
TYPICAL LIMITS OF REMOVAL

COUNTY OF SONOMA DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS		
PAVEMENT CUT POLICY		
DATE: MAY 2013 REV. JAN. 2020	SCALE: NONE	DRAWING NO. 219A

Xrefs: S:\ENGINEERING\Traffic\STAFF FOLDERS\Chet\Draft Revised Standards\County Standards_Master.dwg Plot Date: Jan 30, 2020 at 11:24

NOTES

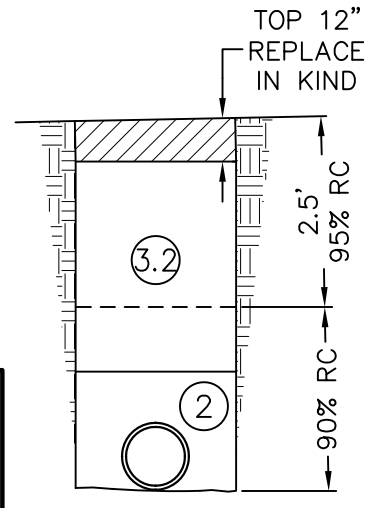
1. REFERENCES MADE TO STATE STANDARD PLANS AND STANDARD SPECIFICATIONS ARE TO THE CURRENT EDITIONS; EXCEPT FOR ASPHALT MATERIALS REFERENCE MAY 2006 PLANS AND SPECIFICATIONS.
2. PIPE BEDDING REQUIREMENTS AS REQUIRED BY AGENCY INSPECTING PIPE. STORM DRAIN BEDDING PER STATE STANDARD PLANS AND SPECIFICATIONS.
- 3.1 TYPE A AND A1: SLURRY CEMENT BACKFILL PER SECTION 19 OF THE STATE STANDARD SPECIFICATIONS (MAY 2006).
- 3.2 STRUCTURE BACKFILL MATERIAL MEETING THE SPECIFICATIONS IN SECTION 19 OF THE STATE STANDARD SPECIFICATIONS (MAY 2006) MAY BE USED AT CONTRACTOR'S OPTION. IF ALTERNATIVE IS USED, CONTRACTOR WILL PROVIDE A REPORT FROM A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA, CERTIFYING THAT CONTRACTOR'S WORK MEETS SPECIFICATIONS. PEA GRAVEL SHALL NOT BE USED FOR STRUCTURE BACKFILL.
- 3.3 COMPACT EXISTING BASE MATERIAL TO 95% RC TYP
4. CLASS 2 AGGREGATE BASE MATERIAL. THICKNESS SHALL BE EQUAL TO THE THICKNESS OF THE EXISTING ROAD BASE, BUT IN NO CASE SHALL THE THICKNESS BE LESS THAN 18".
5. TACK COAT S.S. 1 EMULSIFIED ASPHALT. SEAL ALL JOINTS WITH CRAFCO POLYFLEX TYPE-1, OR EQUAL, AFTER PAVING.
6. TRENCH SHALL BE PAVED WITH ASPHALT CONCRETE WHOSE THICKNESS IS EQUAL TO THE THICKNESS OF THE EXISTING PAVEMENT, BUT IN NO CASE SHALL THICKNESS BE LESS THAN THAT SHOWN IN THE TRENCH A.C. PAVING TABLE. ASPHALT CONCRETE SHALL BE 1/2" TYPE A CONFORMING TO THE PROVISIONS IN SECTION 39, ASPHALT CONCRETE, OF THE CALTRANS STANDARD SPECIFICATIONS (MAY 2006).
7. REPLACE WITH NATIVE MATERIAL RELATIVE COMPACTED TO 90%.
8. REFER TO DRAWING NO. 219A FOR DIMENSION.
9. STORM DRAIN: TWO (2) FEET; SIDE CLEARANCE MAY BE REDUCED TO A MINIMUM OF 6" WHEN SLURRY CEMENT BACKFILL IS USED. UTILITIES: TWO (2) FOOT MINIMUM TRENCH WIDTH UNLESS SLURRY BACKFILL IS USED.
10. ANY PORTLAND CEMENT CONCRETE ROADWAY REMOVED DURING EXCAVATION SHALL BE REPLACED IN KIND AND THICKNESS PER STATE STANDARD PLANS P3A+P3B, LONGITUDINAL JOINT DETAILS.



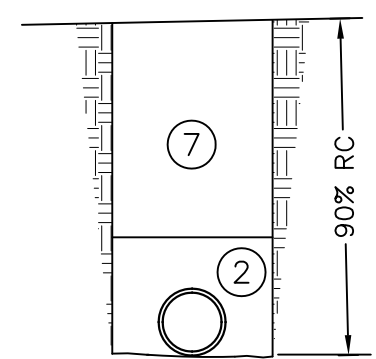
TYPE A
(STORM DRAIN)

TYPE A1
BACKFILL METHOD FOR ALL
OTHER UNDERGROUND FACILITIES

ALTERNATIVE TO
TYPE A AND A1
SEE NOTE 3.2



TYPE B



TYPE C

MINIMUM UTILITY COVER TABLE

UTILITY TYPE	Min. DEPTH OF COVER
STORM DRAIN CONDUITS	36"
SEWER SERVICE LATERALS	36"
WATER SERVICE LATERALS	36"
WATER LINE >2" DIAMETER	36"
SEWER MAIN LINES	36"
ELECTRICAL TRANSMISSION CABLES	36"
TELECOMMUNICATION CABLES	36"
GAS DISTRIBUTION LINES & SERVICE LATERALS	36"
GAS TRANSMISSION LINES	60"

TRENCH AC PAVING TABLE

STREET TYPE	MIN. A.C. THICKNESS
RESIDENTIAL/LOCAL	0.25'
COLLECTOR	0.35'
ARTERIAL	0.45'


COUNTY OF SONOMA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS

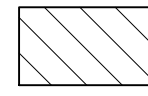
TRENCH BACKFILL AND
PAVING DETAILS


DATE: MAY 2013 REV. MAR. 2020	SCALE: NONE	DRAWING NO. 219B
----------------------------------	----------------	---------------------


Xrefs: S:\ENGINEERING\Traffic\STAFF FOLDERS\Chef\Draft Revised Standards\County Standards_Master.dwg Plot Date: Mar 05, 2020 at 08:01

LEGEND

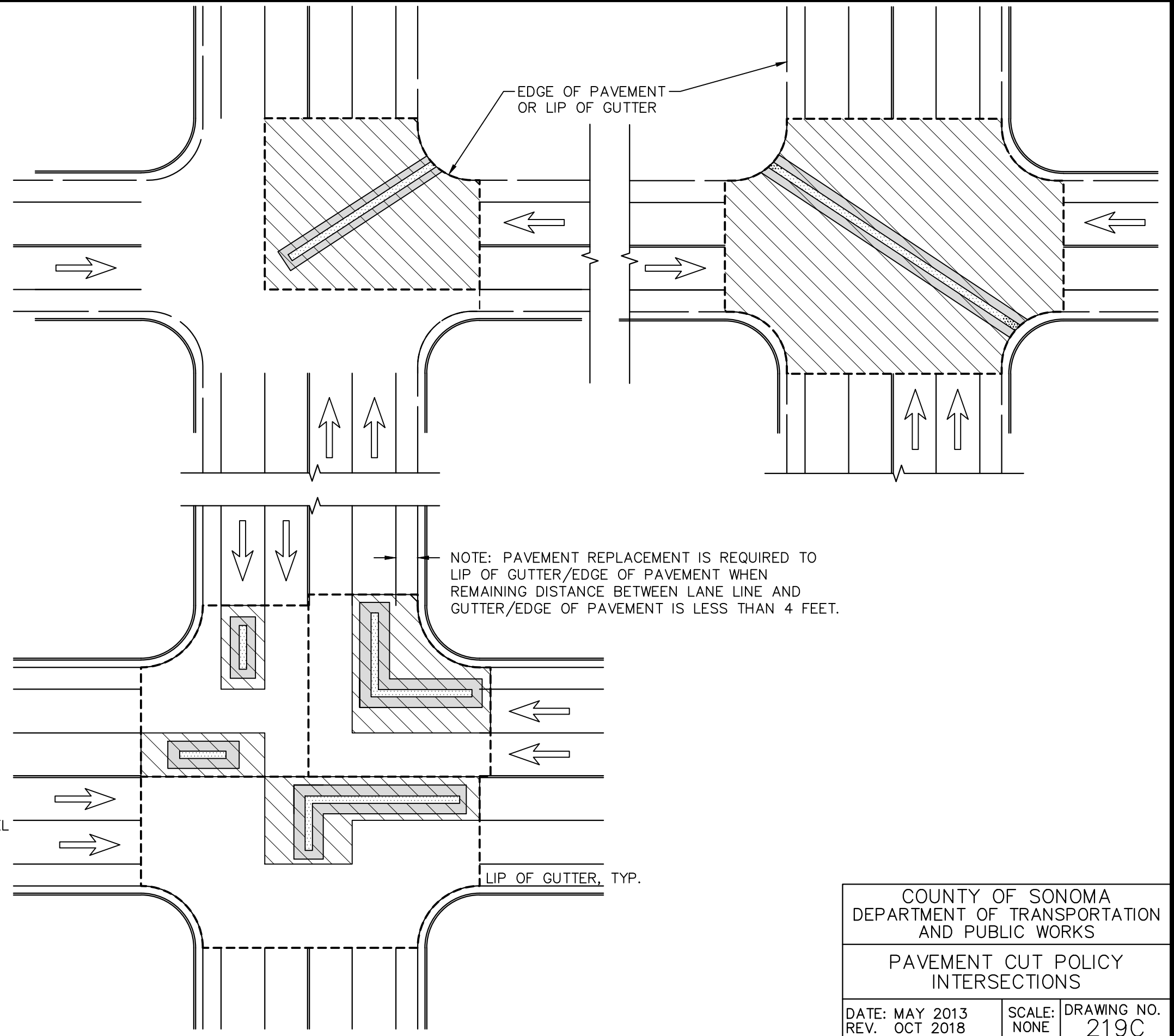
 **OVERLAY LIMITS FOR PAVEMENT 5 YEARS OLD AND NEWER**
 WHEN PAVEMENT IS 5 YEARS OLD, OR LESS, A 0.15' OVERLAY IS REQUIRED TO THESE LIMITS. NO JOINTS OR REDUCTION IN AREA ARE ALLOWED. THE OVERLAY IS REQUIRED TO THE NEXT ADJACENT CURB/EDGE OF PAVEMENT, PARKING OR LANE LINE WHENEVER A TRENCH OR DISTURBANCE OF ASPHALT OR SUPPORT MATERIAL EXTENDS BEYOND SUCH LINE. SEE NOTE 3 ON THIS PAGE.

 **OVERLAY LIMITS FOR PAVEMENT OLDER THAN 5 YEARS**
 WHEN PAVEMENT IS OLDER THAN 5 YEARS, A 0.15' OVERLAY IS REQUIRED TO THESE LIMITS. NO JOINTS OR REDUCTION IN AREA ARE ALLOWED. THE OVERLAY IS REQUIRED TO THE NEXT ADJACENT CURB, PARKING OR LANE LINE WHENEVER A TRENCH OR DISTURBANCE OF ASPHALT OR SUPPORT MATERIAL EXTENDS BEYOND SUCH LINE. SEE NOTE 3 ON THIS PAGE.

 TRENCH LIMITS AT TOP OF PAVEMENT

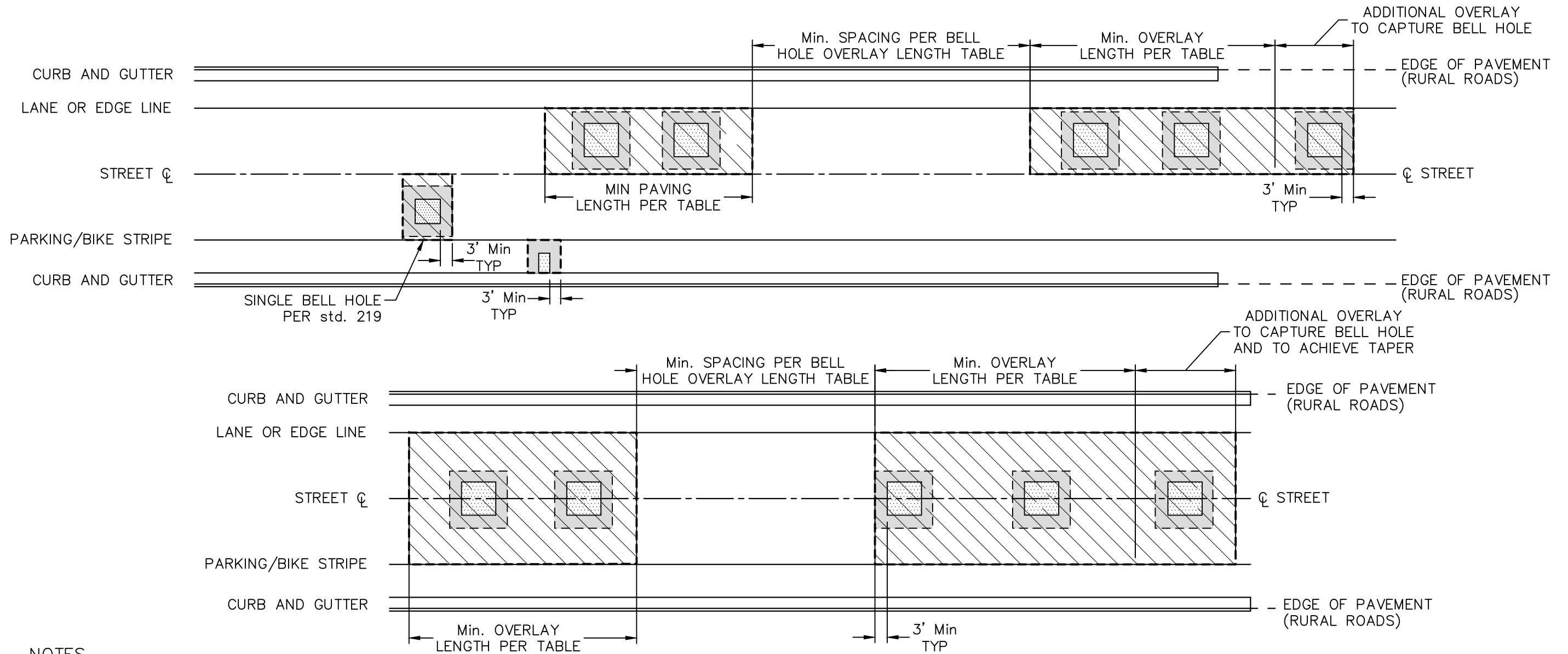
 T SECTION LIMITS (FULL DEPTH AC REPLACEMENT)

- NOTES**
1. FULL-DEPTH PAVEMENT PATCH JOINTS SHALL BE SEALED WITH CRAFCO POLYFLEX TYPE-1, OR EQUAL.
 2. ALL OVERLAYS SHALL BE PERPENDICULAR OR PARALLEL TO DIRECTION OF TRAVEL.
 3. REMOVE ADDITIONAL PAVEMENT TO ADJACENT EXISTING PAVEMENT PATCH, MANHOLE, BOX, OR EDGE OF PAVEMENT IF THESE FEATURES ARE WITHIN 3 FEET OF FINAL SAW CUT.
 4. TRAFFIC SIGNAL LOOP DETECTOR REPLACEMENT: REQUIRED PAVEMENT REMOVAL AND REPLACEMENT SHALL BE FOR THE FULL WIDTH OF THE LANE. SEE DRAWING 630 FOR ADDITIONAL DETAILS.



COUNTY OF SONOMA DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS		
PAVEMENT CUT POLICY INTERSECTIONS		
DATE: MAY 2013 REV. OCT 2018	SCALE: NONE	DRAWING NO. 219C

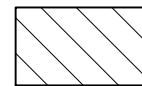
Xrefs: S:\ENGINEERING\Traffic\STAFF FOLDERS\Chet\Draft Revised Standards\County Standards_Master.dwg Plot Date: Jan 30, 2020 at 11:24



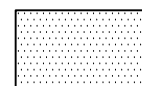
NOTES

1. PATCH BELL HOLE PER STD 219A PRIOR TO OVERLAY.
2. OVERLAY SHALL HAVE A Min. THICKNESS OF 0.15 ft.
3. MINIMUM SPACING BETWEEN OVERLAYS SHALL BE PER THE BELL HOLE OVERLAY LENGTH TABLE. IF LESS THAN THE SPACING SPECIFIED IN THE TABLE, THE OVERLAY SHALL BE CONTINUED TO INCORPORATE THE GAP.
4. MINIMUM OVERLAY LENGTH SHALL BE PER THE CALIFORNIA ROAD SYSTEM (CRS) CLASSIFICATION (MAP AVAILABLE ON THE DTPW WEBSITE).

LEGEND



OVERLAY LIMITS FOR BELL HOLES
 WHEN THERE IS MORE THAN 1 BELL HOLE WITHIN MINIMUM OVERLAY LENGTHS (SEE BELL HOLE OVERLAY LENGTH TABLE), A PAVEMENT OVERLAY IS REQUIRED TO THESE LIMITS. NO JOINTS OR REDUCTION IN AREA ARE ALLOWED. THE LENGTH OF THE PAVING OVERLAYS SHALL BE DICTATED BY THE ROAD CLASSIFICATION (SEE BELL HOLE OVERLAY LENGTH TABLE) AND BELL HOLE SPACING.



BELL HOLE LIMITS AT TOP OF PAVEMENT



T SECTION LIMITS
 (FULL DEPTH AC REPLACEMENT)

BELL HOLE OVERLAY LENGTH TABLE

CRS ROAD CLASSIFICATION	Min. OVERLAY LENGTH
OTHER PRINCIPAL ARTERIAL	300'
MINOR ARTERIAL	300'
MAJOR COLLECTOR	300'
MINOR COLLECTOR	200'
LOCAL	100'

COUNTY OF SONOMA DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS		
BELL HOLE POLICY		
DATE: JAN 2020 REV.	SCALE: NONE	DRAWING NO. 219D