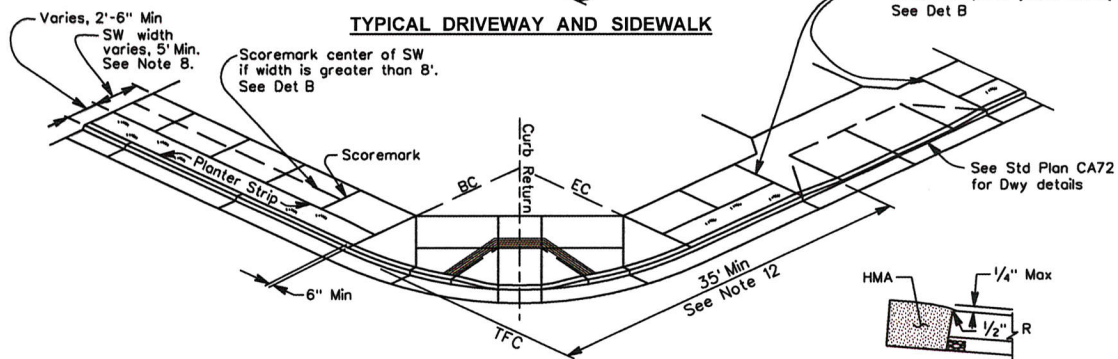
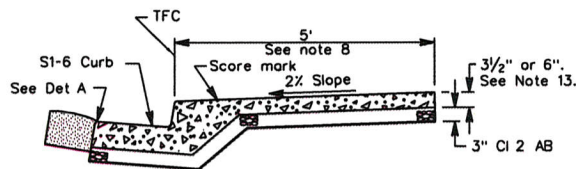
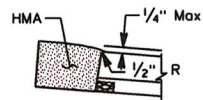
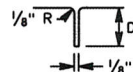


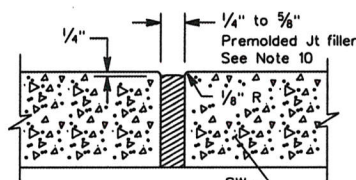
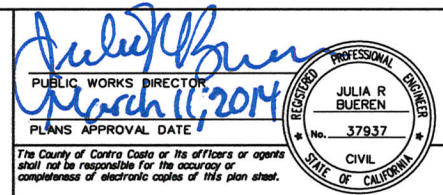
TYPICAL DRIVEWAY AND SIDEWALK



TYPICAL DRIVEWAY AND SEPARATED SIDEWALK

CURB AND SIDEWALK  
TYPICAL SECTION A-ADETAIL A  
Gutter Lip Paving

D=1" for Weakened Plane Jt  
D=1/4" for Scoremarks

DETAIL B  
Scoremarks and Weakened Plane JointsDETAIL C  
Expansion joint

## NOTES:

- Minor Concrete, not less than 505 lbs cementitious material per cubic yard, 1" maximum aggregate shall be used for all construction detailed on this plan. Minor concrete shall comply with Section 90 of the California Department of Transportation Standard Specifications. New curb and adjoining sidewalk shall be constructed monolithically.
- Transverse scoremarks shall be made at 10' intervals on the sidewalk and a longitudinal scoremark shall be made along the centerline of any sidewalk which is 8' or more in width. Weakened plane joints shall be provided at 10' intervals (staggered with scoremarks) in curb and sidewalk. See Standard Plan CA72 for scoremark and weakened plane joint layouts through driveways, and Standard Plan CA75 for scoremark, weakened plane and expansion joint locations for curb ramps.
- Curb reference stakes shall not be offset more than 3' from the back of curb or more than 2' from the back of the sidewalk.
- Where there is a planter strip between the sidewalk and the curb, the curb in a driveway depression shall be constructed monolithically with the driveway.
- When the street slopes away from a curb, the gutter slope shall match the cross slope of the street.
- Paving at the gutter lip shall conform to Detail A, except when the street slopes away from the curb and at the bottom of curb ramps, the paving shall match the gutter lip.
- Meter boxes, poles, and fire hydrants locations shall conform to locations shown on Standard Plan CU60.
- Minimum sidewalk widths, measured from face of curb, are 5'-0" for residential; 6'-6" for multiple zoned; 10'-0" for retail business and commercial areas; 8'-0" in retail and commercial areas where right of way is limited.
- A 3" layer of Class 2 aggregate base shall be placed under all curb and sidewalk sections unless otherwise noted.
- Expansion joint Detail C shall be installed at or near BC and EC per Standard Plan CA75 and the back of sidewalk at driveways. Premolded joint filler material for expansion joints shall conform to Section 51-1.12C "Premolded Expansion Fillers," of the California Department of Transportation Highway Design Manual.
- See Standard Plan CA71 for curb details.
- 35' is the minimum offset on low volume, low speed residential streets. For higher volume, higher speed roads, the 35' dimension shall increase to comply with Topic 405 "Intersection Design Standards", Subsection 405.1 "Sight Distance" of the California Department of Transportation Highway Design Manual.
- All sidewalk inside curb returns shall be 6" minimum thickness from BC to EC.
- For curb ramp details, see appropriate Caltrans standard plans as specified on the project plans.

COUNTY OF CONTRA COSTA  
PUBLIC WORKS DEPARTMENT  
MARTINEZ, CALIFORNIA  
STANDARD PLAN

STANDARD SIDEWALK  
DETAILS

SCALE: NO SCALE

DATE: 3/14

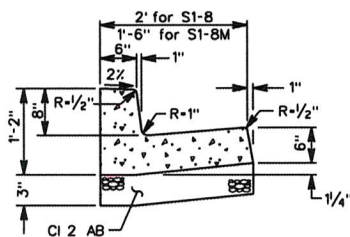
DRAWN BY: H.HUSSEY

PLAN NO.

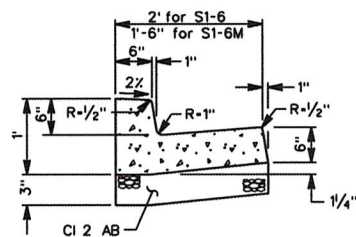
CHECKED BY: M. HOLLINGSWORTH

CA70

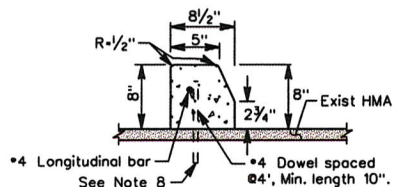
NO.	DATE	REVISION	DESCRIPTION	BY



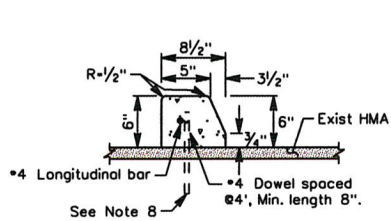
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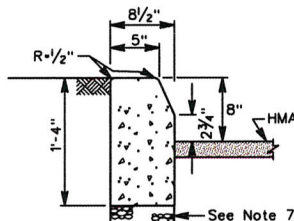
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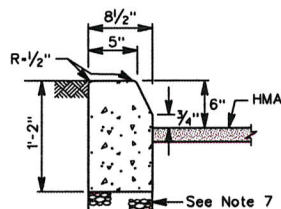
TYPE M3-8 CURB



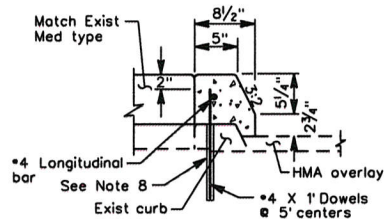
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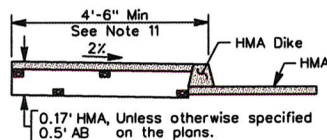
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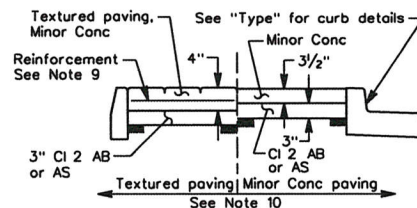
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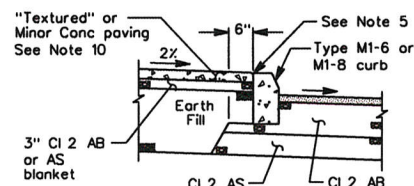
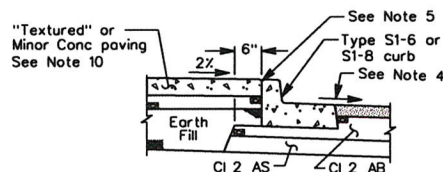
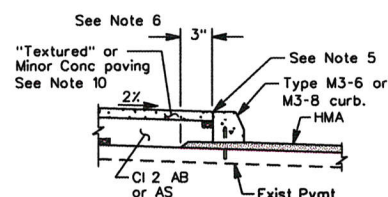
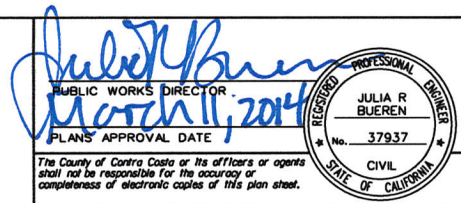
MODIFIED TYPE M3-8 CURB



HMA PATH WITH HMA DIKE



TYPICAL MEDIAN PAVING DETAIL

TYPE A TRAFFIC MEDIAN  
Half SectionTYPE B TRAFFIC MEDIAN  
Half SectionTYPE C TRAFFIC MEDIAN  
Half Section

## NOTES:

1. Minor Concrete in conformance with Section 90-2, "Minor Concrete" of the California Department of Transportation's Standard Specifications containing no less than 505 lb. per cubic yard of cementitious material shall be used for all concrete construction detailed on this plan.
2. Weakened plane joints shall be provided at 10' intervals on all curbs. See Standard Plan CA70, "Detail B".
3. All new curb where it conforms to existing facilities shall be doweled as per Standard Plan CA74.
4. When the street slopes away from the curb, the gutter slope shall match the cross slope of the street. Paving at the gutter lip shall conform to Standard Plan CA70 Detail A, except that where the street slopes away from the curb, the paving shall match the gutter lip.
5. Curb may be constructed monolithically with the median paving, in which case a weakened plane joint conforming to Standard Plan CA70 Detail B shall be provided along the back of the curb.
6. Type M3 curb shall be used only when placed on existing or overlaid pavement.
7. A 3" minimum compacted layer of Class 2 aggregate base or subbase shall be placed under Type M1 curb, unless noted otherwise on the plans.
8. Place dowels in 1" diameter drilled hole filled with 1:1 sand grout. Omit dowels when curb is extruded.
9. Reinforcement shall be #4 bars at 18" OC each way or 6" x 6", 8" x 8", 10 gage welded wire fabric.
10. Median paving may be "textured" as approved by the Public Works Department.
11. Width of HMA path shall be a minimum of 4'-6" measured from top face of curb or dike.

COUNTY OF CONTRA COSTA  
PUBLIC WORKS DEPARTMENT

MARTINEZ, CALIFORNIA

STANDARD PLAN

# MEDIAN, CURB AND HMA DIKE DETAILS

SCALE: NO SCALE

DATE: 3/14

DRAWN BY: H. HUSSEY

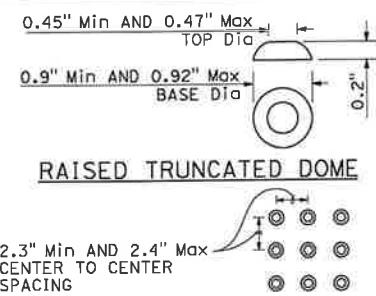
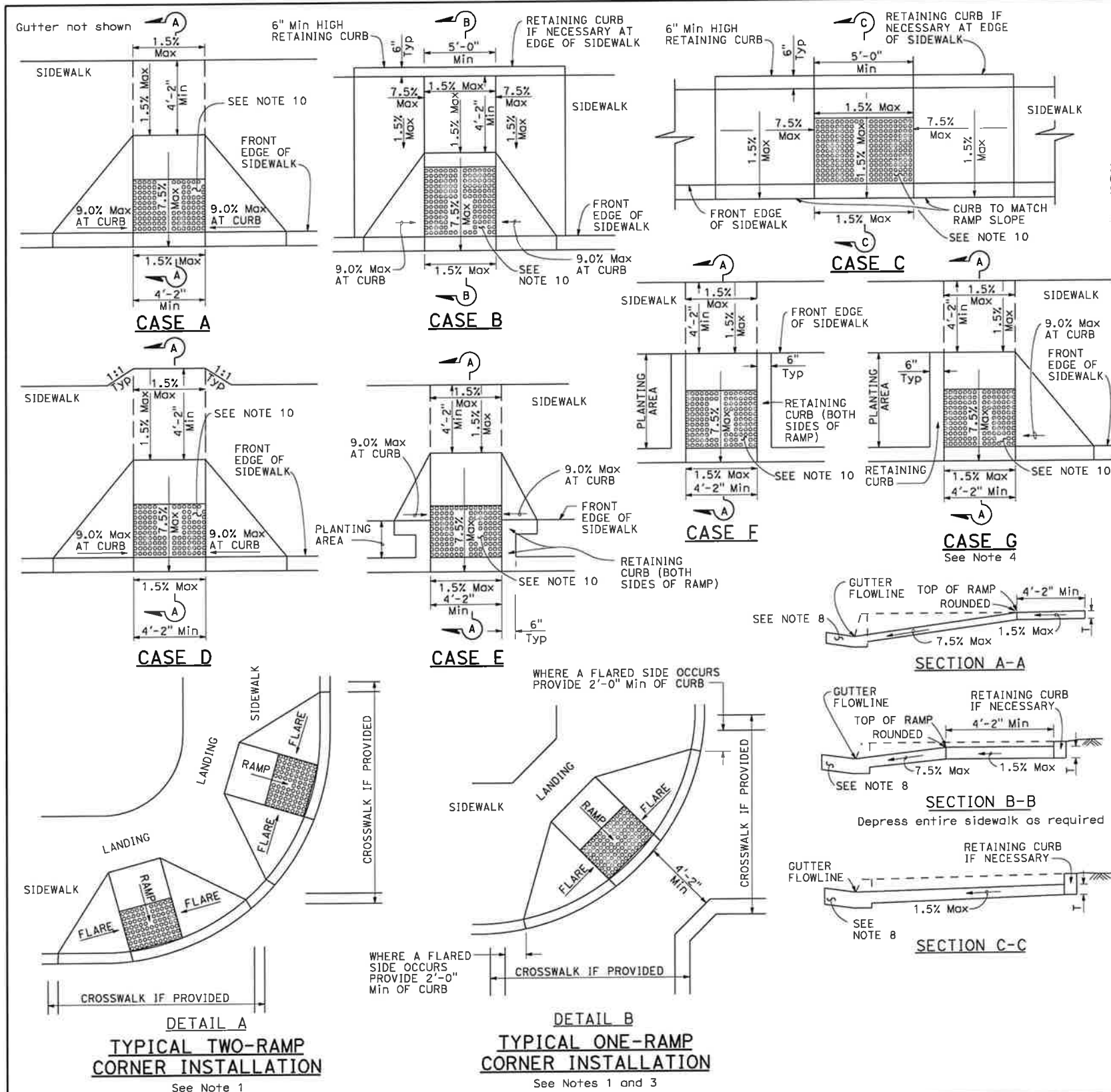
PLAN NO.

CHECKED BY: M. HOLLINGSWORTH

CA71

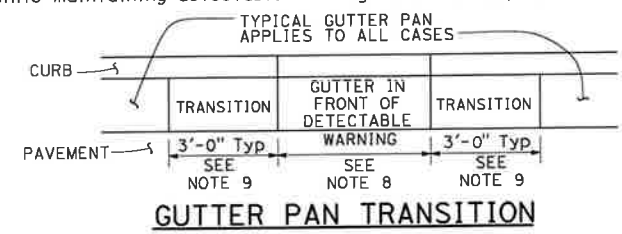
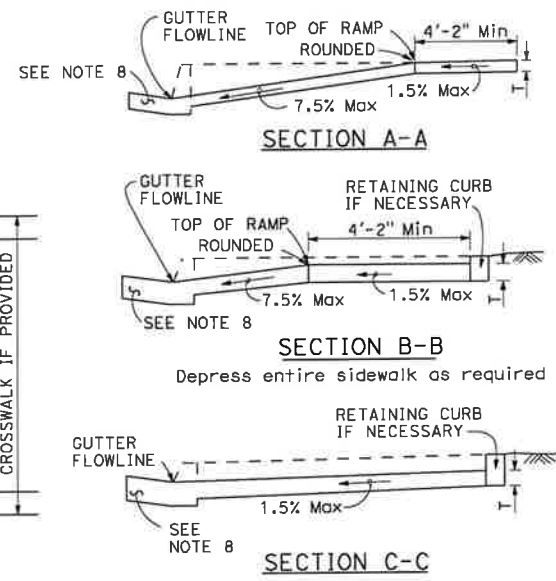
NO.	DATE	REVISION	DESCRIPTION	BY





**RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE**

- NOTES:** See Note 10
1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate. For specific site condition configuration, including the conform to existing sidewalk, see Project Plans.
  2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B or C or may be widened as in Case D.
  3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
  4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
  5. The ramp portion of the curb ramp is a typical rectangle, unless modified in the Project Plans.
  6. Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
  7. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
  8. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1V:20H (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
  9. Transition gutter pan slope from 1" of depth for each 2'-0" of width to match typical gutter pan slope per Standard Plan A87A.
  10. The detectable warning surface will be a rectangle as shown at back of curb, unless modified in the Project Plans. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surfaces shall extend the full width of the ramp except a maximum gap of 1 inch is allowed on each side of the ramp. Detectable warning surfaces shall conform to the requirements in the Standard Specifications.
  11. Sidewalk and ramp thickness, "T", shall be 3/2" minimum.
  12. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
  13. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining detectable warning width and depth.



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**CURB RAMP DETAILS**  
NO SCALE

**A88A**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

Rebecca Lynn Mowry  
No. C54415  
Exp. 12-31-19  
CIVIL

May 31, 2018  
PLANS APPROVAL DATE

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