## Section 2 – Curb and Gutter, Sidewalk and Asphalt Concrete Details

<table>
<thead>
<tr>
<th>Drawing No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Curb and Gutter</td>
</tr>
<tr>
<td>201</td>
<td>8” Curb and Gutter</td>
</tr>
<tr>
<td>202</td>
<td>Asphalt Concrete Dike</td>
</tr>
<tr>
<td>203</td>
<td>Traversable Dike</td>
</tr>
<tr>
<td>210</td>
<td>Residential Driveway Approach Without Curb</td>
</tr>
<tr>
<td>211</td>
<td>Residential Driveway Approach With Curb</td>
</tr>
<tr>
<td>212</td>
<td>Commercial Driveway Approach Without Curb</td>
</tr>
<tr>
<td>213</td>
<td>Commercial Driveway Approach With Curb</td>
</tr>
<tr>
<td>214</td>
<td>Driveway Spacing</td>
</tr>
<tr>
<td>220</td>
<td>Sidewalk</td>
</tr>
<tr>
<td>221</td>
<td>Wheelchair Ramp</td>
</tr>
<tr>
<td>222</td>
<td>Sidewalk Ramp</td>
</tr>
<tr>
<td>230</td>
<td>Cross Gutter and Spandrel</td>
</tr>
<tr>
<td>231</td>
<td>Alley</td>
</tr>
<tr>
<td>240</td>
<td>Street Pavement Design</td>
</tr>
<tr>
<td>241</td>
<td>Trench Pavement Replacement Detail</td>
</tr>
<tr>
<td>242</td>
<td>Median Island Treatment</td>
</tr>
<tr>
<td>242A</td>
<td>Median Island Treatment – Planting/Irrigation/Ground Cover</td>
</tr>
<tr>
<td>242B</td>
<td>Median Island Treatment – Alternate Landscaping &amp; Concrete Areas</td>
</tr>
</tbody>
</table>
6" AND 8" CURBS

<table>
<thead>
<tr>
<th>CURB TYPE</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H1</td>
</tr>
<tr>
<td>6&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>8&quot;</td>
<td>1'-2&quot;</td>
</tr>
</tbody>
</table>

NOTES:
1. JOINTS SHALL BE INSTALL AT 10 FOOT INTERVALS.
2. CURING COMPOUND SHALL BE APPLIED UNIFORMLY ON EXPOSED SURFACES.
NOTES:
1. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF CLASS "B" CONCRETE.
2. WIDTH OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINES UNLESS OTHERWISE INDICATED.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS.
4. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING SHALL BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINT MAY BE SAW CUT.
6. 0.0535 CUBIC YARDS PER LINEAL FOOT. 18.7 LINEAL FEET PER CUBIC YARD.
NOTES:

1. DIKE SHALL BE CONSTRUCTED OF TYPE "B" ASPHALT CONCRETE ARB000.

2. PAINT BINDER SHALL BE PLACED ON EXISTING ASPHALT CONCRETE PAVEMENT PRIOR TO THE INSTALLATION OF THE DIKE.
TYPICAL SECTION

NOTES:
1. DIKE SHALL BE CONSTRUCTED OF TYPE "B" ASPHALT CONCRETE AR8000.
2. PAINT BINDER SHALL BE PLACED ON EXISTING ASPHALT CONCRETE PAVEMENT PRIOR TO THE INSTALLATION OF THE DIKE.
NOTES:

1. DRIVEWAY APPROACH LOCATION SHALL BE AS APPROVED BY TOWN AND PER STANDARD NO. 214.

2. SURFACING MATERIAL SHALL BE:
   A. TYPE B ASPHALT CONCRETE GRADE AR-4000, 1/2" MAX. MED., 3" THICK.
   B. PORTLAND-CEMENT CONCRETE CLASS 'B' 4" THICK MAY BE USED.
   C. UNPAVED, IF THE ROADWAY IS UNPAVED.

3. FLOWLINE GRADE SHALL BE MAINTAINED.

4. WHERE EXISTING BERM IS REMOVED, THE APPROACH SHALL BE CONSTRUCTED TO AN ELEVATION EQUAL IN HEIGHT TO CONTROL DRAINAGE.
NOTES:
1. DRIVE APPROACH SHALL BE CONSTRUCTED TO MEET CURRENT A.D.A. STANDARDS.
2. LIP AT BOTTOM OF DRIVEWAY RAMP, ½” ABOVE GUTTER GRADE.
3. SUBGRADE PREPARATION SHALL BE CONSTRUCTED TRUE TO GRADE WITH COMPACTION OF 95% TO A DEPTH OF 12”.
4. ALL CONCRETE SURFACES SHALL BE FINISHED TO GRADE WITH A FLOAT, TROWELED SMOOTH AND FINISHED WITH A BROOM.
5. EXPANSION JOINT(S) SHALL CONSIST OF 0.25” TO 0.5” PREMOLDED JOINT MATERIAL APPROVED FOR SUCH USE.
6. DRIVEWAY APPROACH TO CURB AND GUTTER TO BE Poured AS MONOLITHIC OR WITH AN EXPANSION JOINT.
7. APARTMENTS OF 4 UNITS OR LESS SHALL USE THIS DRIVEWAY APPROACH.
8. APARTMENTS OF MORE THAN 4 UNITS SHALL USE THE COMMERCIAL DRIVEWAY APPROACH PLATE.
9. SURFACING SHALL BE PORTLAND CEMENT CONCRETE CLASS "B".
NOTES:

1. DRIVEWAY APPROACH LOCATION SHALL BE AS APPROVED BY TOWN AND PER STANDARD NO. 214.
2. SURFACING MATERIAL SHALL BE:
   A. TYPE 'B' ASPHALT CONCRETE GRADE AR-4000, 1/2" MAX. MED., 3" THICK.
   B. PORTLAND CEMENT CONCRETE CLASS 'B' 6" THICK MAY BE USED.
   C. UNPAVED, IF THE ROADWAY IS UNPAVED.
3. FLOWLINE GRADE SHALL BE MAINTAINED.
4. WHERE EXISTING BERM IS REMOVED, THE APPROACH SHALL BE CONSTRUCTED TO AN ELEVATION EQUAL IN HEIGHT TO CONTROL DRAINAGE.
NOTES:
1. DRIVE APPROACH SHALL BE CONSTRUCTED TO MEET CURRENT A.D.A. STANDARDS.
2. SEE STANDARD 221 FOR A.D.A. RAMP REQUIREMENTS.
3. SUBGRADE PREPARATION SHALL BE CONSTRUCTED TRUE TO GRADE WITH COMPACTION OF 95% TO A DEPTH OF 12".
4. ALL CONCRETE SURFACES SHALL BE FINISHED TO GRADE WITH A FLOAT, TROWELED SMOOTH AND FINISHED WITH A BROOM.
5. EXPANSION JOINT(S) SHALL CONSIST OF 0.25" TO 0.5" PREMOLDED JOINT MATERIAL APPROVED FOR SUCH USE.
6. DRIVEWAY APPROACH TO CURB AND GUTTER TO BE Poured AS MONOLITHIC OR WITH AN EXPANSION JOINT.
7. APARTMENTS OF 4 UNITS OR LESS SHALL USE THE RESIDENTIAL DRIVEWAY APPROACH STANDARD.
8. APARTMENTS OF MORE THAN 4 UNITS SHALL USE THE COMMERCIAL DRIVEWAY APPROACH STANDARD.
9. SURFACING SHALL BE PORTLAND CEMENT CONCRETE CLASS "B".
LOCAL STREET - COLLECTOR ROAD

RESIDENTIAL DRIVEWAY

COMMERCIAL DRIVEWAY

NOTES:

1 75' ON COLLECTOR ROADS, EXCEPT 50' IF ULT. A.D.T. IS LESS THAN 3000.

2 MAY BE INCREASED 75' ON COLLECTOR ROADS AND 50' ON LOCAL STREETS TO PROVIDE ADDITIONAL CLEARANCE FOR LEFT TURN STORAGE.

3 MAY BE DECREASED WITH APPROVAL FROM TOWN PLANNER.
GENERAL NOTES:
1. SUBGRADE PREPARATION SHALL BE CONSTRUCTED TRUE TO GRADE AND CROSS SECTION, WITH COMPACTION OF 95% TO A DEPTH OF 1.0 FEET.
2. MINIMUM GRADE FOR CURB AND GUTTER SHALL BE 0.2% EXCEPTIONS TO THE MINIMUM GRADE SHALL BE APPROVED BY THE TOWN ENGINEER.
3. CONCRETE SURFACE SHALL BE FINISHED TO GRADE AND CROSS SECTION WITH A FLOAT, TROWELED SMOOTH, AND FINISHED WITH A BROOM.
4. EXPANSION JOINT FILLER MATERIAL SHALL CONSIST OF PREFORMED STRIPS OF A DURABLE, RESILIENT COMPOUND.
5. SIDEWALK SCORE MARKS MINIMUM DEPTH OF 0.125".
6. ROLL-TOP CURB & GUTTER ONLY ALLOWED IN INDUSTRIAL ZONES WITH APPROVAL OF THE TOWN ENGINEER.
7. SIDEWALK TO CURB AND GUTTER NOT TO BE POURED AS MONOLITHIC.
8. PROPERTY AT INTERSECTIONS SHALL BE A 20 FOOT BY 20 FOOT CUT OFF FOR WHEELCHAIR RAMPS.
9. SIDEWALK SHALL BE CONSTRUCTED OF CLASS "B" CONCRETE.

R = 25' FOR RESIDENTIAL CURB RETURNS
R = 35' FOR COMMERCIAL/INDUSTRIAL CURB RETURNS
STREET OR ALLEY

PROPERTY LINE (TYP)

GROOVES 0.75" APART IN BORDER AROUND RAMP

0.25"

SEE GROOVING DETAIL AND NOTE 6

12"

MOLS

FL

TRUNCATED DOMES - SEE NOTE 7

5% MAX WITHIN 45" OF CURB RAMP

SECTION A-A

CUTTER FLOWLINE

6' MIN FOR 6" CURB

TOP OF RAMP ROUNDED

6" TO 0.33% MAX

4" TO 2% MAX

R = 25' FOR RESIDENTIAL CURB RETURNS

R = 35' FOR COMMERCIAL/INDUSTRIAL CURB RETURNS

NOTES:
1. CURB RAMP SHALL BE CONSTRUCTED TO MEET CURRENT A.D.A. STANDARDS.
2. SUBGRADE PREPARATION SHALL BE CONSTRUCTED TRUE TO GRADE WITH COMPACTION OF 95% TO A DEPTH OF 12".
3. ALL CONCRETE SURFACES SHALL BE FINISHED TO GRADE WITH A FLOAT, TROWELED SMOOTH AND FINISHED WITH A BROOM.
4. EXPANSION JOINT(S) SHALL CONSIST OF 0.5" PREMOLDED JOINT MATERIAL APPROVED FOR SUCH USE.
5. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH 0.25" GROOVES, 0.75" APART. SEE GROOVING DETAIL.
6. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. COLOR YELLOW CONFORMING TO FEDERAL COLOR NO. 33538.
7. BECAUSE OF EXISTING CONDITIONS, OTHER CURB RAMP CONFIGURATIONS MAY BE NECESSARY. THESE SHALL MEET THE STATE OF CALIFORNIA ARCHITECTURAL BARRIERS LAWS AND BE APPROVED PRIOR TO INSTALLATION.

STANDARD DRAWING

WHEELCHAIR RAMP

YUCCA VALLEY

The Town of

No. 221

ARTUR D. ROSA
TOWN ENGINEER

2-3-2009
DATE
NOTES:

1. RAMP SLOPE SHALL BE 8.33% MAXIMUM.
2. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH 1/4" GROOVES APPROXIMATELY 3/4" O.C. SEE GROOVING DETAIL.
3. RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
4. RAMPS SHALL BE BUILT AND FINISHED SO THAT THERE ARE NO ABRUPT CHANGES IN ELEVATION OR ANGLE OF SLOPE.
5. SIDEWALK RAMPS ARE REQUIRED AT ALL CORNERS WHERE CURBS AND/OR SIDEWALKS ARE TO BE CONSTRUCTED OR RECONSTRUCTED AND SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS.
6. MODIFICATIONS TO LOCATION OR DIMENSIONS OF RAMPS SHALL REQUIRE APPROVAL OF TOWN ENGINEER AND BE SHOWN ON APPROVED PLANS.
7. THICKNESS OF CONCRETE: 4 INCH MINIMUM.
NOTES:
1. CROSS GUTTER SHALL BE CONSTRUCTED OF CLASS "B" CONCRETE.
2. THE STRAIGHT GRADE BETWEEN B.C.R.'S MAY BE ALTERED WHERE EXCESSIVE GRADES EXIST.
3. SPANDREL SHALL BE 8" THICKNESS CLASS "B" CONCRETE.
4. VARIABLE CURB FACE ALLOWED FOR DRAINAGE PURPOSES.
TYPICAL SECTION

NOTES:
1. CONCRETE RIBBON SHALL BE CONSTRUCTED OF CLASS "B" CONCRETE.
2. ASPHALT CONCRETE SHALL HAVE A MINIMUM THICKNESS OF FOUR INCHES.
3. APPROACH SHALL BE CONSTRUCTED AS A COMMERCIAL D/W PER STD. 213.
## Minimum Pavement Structural Sections

<table>
<thead>
<tr>
<th>Street Classification</th>
<th>Min. Traffic Index</th>
<th>Min. A.C. Thickness</th>
<th>Placement Lifts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alley</td>
<td>N/A</td>
<td>4&quot;</td>
<td>2 - 2&quot; Lifts</td>
</tr>
<tr>
<td>Local Road</td>
<td>5.5</td>
<td>4&quot;</td>
<td>2 - 2&quot; Lifts</td>
</tr>
<tr>
<td>Collector Road</td>
<td>8</td>
<td>4&quot;</td>
<td>2 - 2&quot; Lifts</td>
</tr>
<tr>
<td>Arterial Road</td>
<td>10</td>
<td>6&quot;</td>
<td>2 - 3&quot; Lifts</td>
</tr>
<tr>
<td>Highway</td>
<td>12</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

### Asphalt Requirements

Asphalt shall be Caltrans Type A, PG 70-10 Binder. Base course shall be 3/4", surfacing course shall be 1/2".

### Compaction Requirements

95% for top 12" of subgrade, 95% for agg. base.

### Note

Pavement thickness shown above are minimums. Soils reports may require greater thickness of structural section.

* - Contact Caltrans for thickness requirements on state highways.

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**Approved: Director of Public Works**

Alex [Signature]  Date: 11/17/16

**Approved: Town Engineer**

Noel [Signature]  R.E. 39827

**Revision to Reflect Current General Plan:** N 9/7/16

**Street Pavement Design**

**Standard Drawing No.** 240
CONTRACTOR SHALL GRIND TOP 1-1/2 INCHES OF EXISTING PAVING AND PLACE AN OVERLAY CAP

EXISTING LIP OF GUTTER, CURB FACE WITHOUT GUTTER OF EDGE OR PAVEMENT AS OCCURS

IF DISTANCE IS LESS THAN 5', THEN PAVEMENT SHALL BE REMOVED AND REPLACED

WIDTH OF CAP

SAWCUT EDGE

12" MIN. PATCH/TRENCH
12" MIN. WIDTH

EXISTING PAVEMENT

SEAL EDGES W/TACK COAT

COMPACT TO 55% RELATIVE COMPACATION

BEDDING ZONE COMPACTED TO 90% RELATIVE COMPACATION

TYPICAL SECTION

NOTES:
1. IN AREAS WITH CLASS 2 AGG. BASE REPLACE WITH CLASS 2 BASE.
2. COMPACTION ANALYSIS REQUIRED FOR TRENCHES 10 S.F. AND LARGER
3. ASPHALT SHALL BE CALTRANS TYPE A 1/2" HMA WITH PG 70-10 PM OIL BINDER

Town of Yucca Valley
TRENCH PAVEMENT REPLACEMENT DETAIL
STANDARD DRAWING NO. 241
CONCRETE PATTERN SHALL BE SCOFILED PROFESSIONAL GRADE LITHOFLEX PAVECRAFTERS, NATURAL STONES - ROCK GARDEN, #4340, OR EQUAL.
COLOR ADDITIVE SHALL BE SCOFILED CHROMIX ADMIXTURE FOR COLOR CONDITIONED CONCRETE, STANDARD COLOR, DESERT SAND (C-11), OR EQUAL.

SELECT BACKFILL SUITABLE FOR PLANTING AND WATERED **

* SEE STANDARD DRAWING NO. 242A FOR ISLAND LANDSCAPING REQUIREMENTS

MEDIAN ISLAND TREATMENT

STANDARD DRAWING NO. 242
PLANTINGS IN LANDSCAPE MEDIANS SHALL BE:

* RUSSIAN SAGE
* TEXAS RANGER
* DESERT SPOON
* FOUNTAIN GRASS (P. setaceum)
* LANTANA (L. montevidensis)
* MEXICAN BIRD OF PARADISE

PLANT SPACING SHALL BE 8’ to 10’. LANTANA AND FOUNTAIN GRASS MAY BE GROUPED.

BOULDERS/ROCKS MAY BE PLACED IN MEDIANS, HOWEVER THEY MAY NOT EXTEND MORE THAN 4” ABOVE CURB GRADE.

IRRIGATION REQUIREMENT SHALL BE:

* MOTOROLA SCORPIO CLOCKS CAPABLE OF COMMUNICATING WITH THE CENTRAL MOTOROLA IRRIGATION SYSTEM.
* BERMAD MASTER VALVES AND FLOW SENSORS (NORMALLY CLOSED VALVE).
* HARD PIPE ALL Drip IRRIGATION USING RAIN BIRD POLYFLEX RISERS
* WITH 1/2” MALE THREADED BASE.
* RAIN BIRD XB-10PC-1032 (BLACK) THREADED INLET DRIP EMITTERS.
* BRASS RAIN BIRD STATION VALVES.
* RAIN BIRD PRSD PRESSURE REGULATORS PREFERRED.
* SCHEDULE 40 PVC ON ALL MAIN LINES AND LATERALS UNDER 3”.

GROUND COVER SHALL BE DECOMPOSED GRANITE OR PALM SPRINGS GOLD.