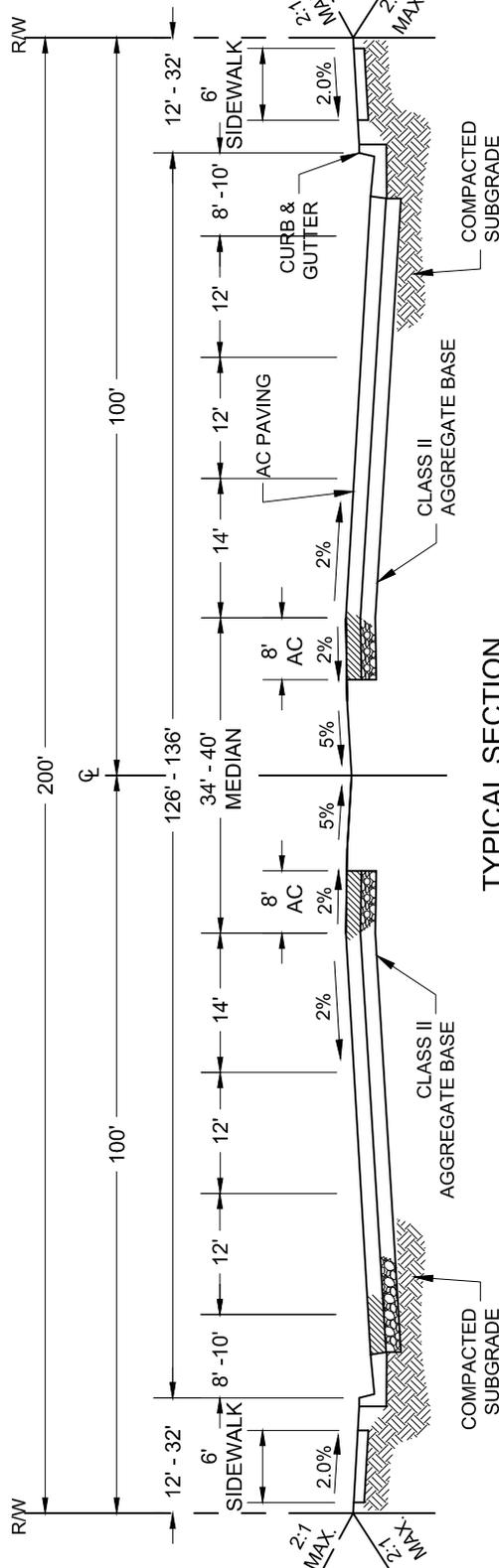


CONFIGURATION AT INTERSECTION

(SEE NOTE 7)



TYPICAL SECTION

NOTES:

1. THICKNESS OF BASE AND PAVING (FOR SHOULDER AND TRAVELED WAY) TO BE DETERMINED BY GEOTECHNICAL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 6"; FOR AGGREGATE BASE IS 10".
3. CURB AND GUTTER TO BE "TYPE 8" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.
5. IMPROVEMENTS TO STATE HIGHWAYS SHALL CONFORM TO CALTRANS DESIGN STANDARDS AND POLICIES. RIGHT OF WAY MAY VARY PER THE REQUIREMENTS OF CALTRANS POLICY.
6. A RAISED MEDIAN MAY BE REQUIRED.
7. EXACT CONFIGURATION AT INTERSECTION TO BE DETERMINED BY TRAFFIC STUDY AND APPROVED BY THE CITY ENGINEER.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



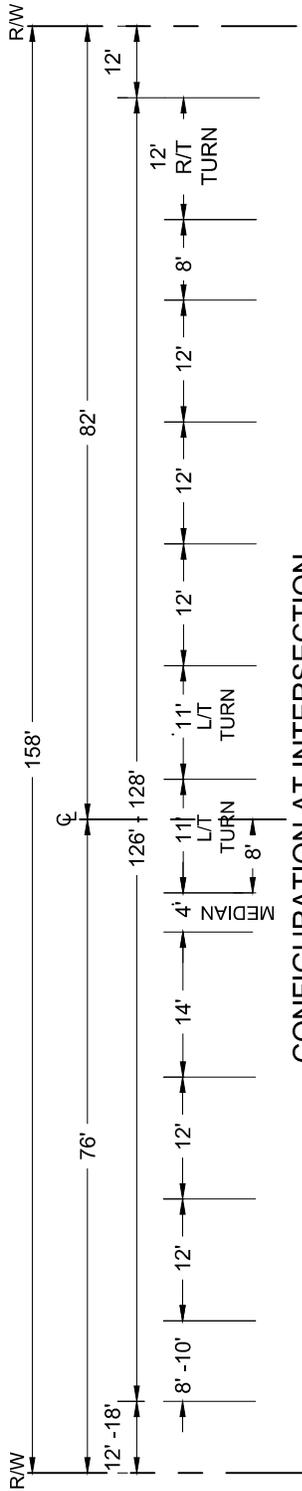
CITY OF MENIFEE

**EXPRESSWAY
(6 LANES)**

STANDARD PLAN NO. **91**

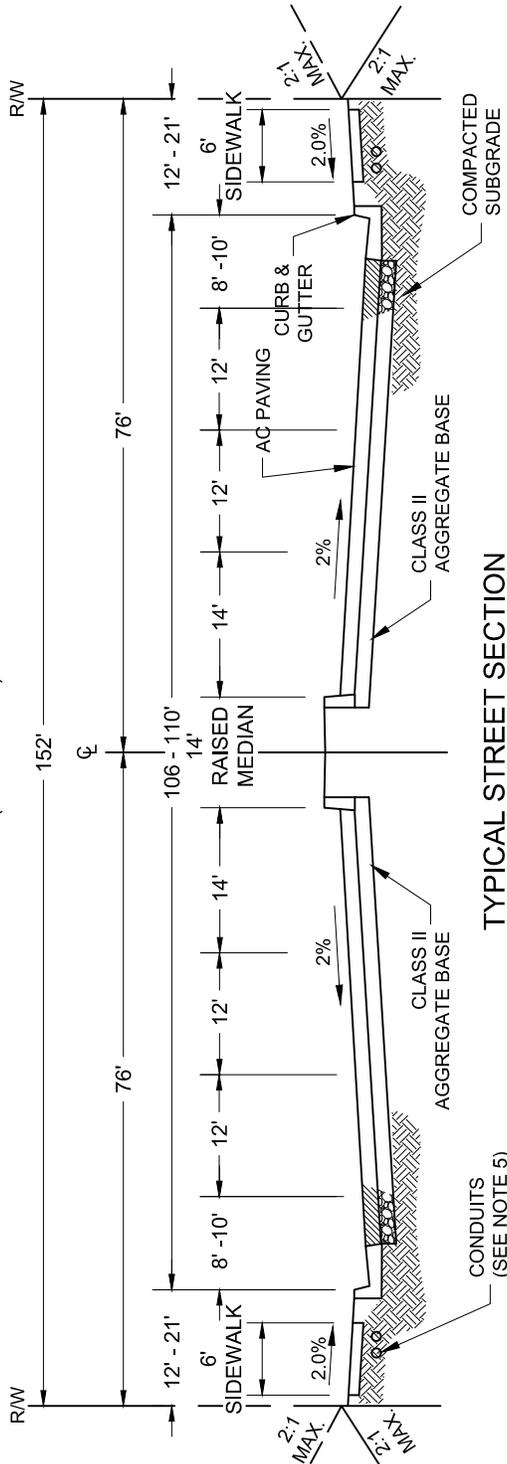
SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE
1	CG	JS	8/1/2016



CONFIGURATION AT INTERSECTION

(SEE NOTE 6)



TYPICAL STREET SECTION

NOTES:

1. THICKNESS OF BASE AND PAVING TO BE DETERMINED BY GEOTECHNICAL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 6"; FOR AGGREGATE BASE IS 10".
3. CURB AND GUTTER TO BE "TYPE 8" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.
5. INSTALL TWO SCH. 80 PVC CONDUITS (BOTH SIDES) PER STANDARD 1005.
6. EXACT CONFIGURATION AT INTERSECTION TO BE DETERMINED BY THE TRAFFIC STUDY AND APPROVED BY THE CITY ENGINEER.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



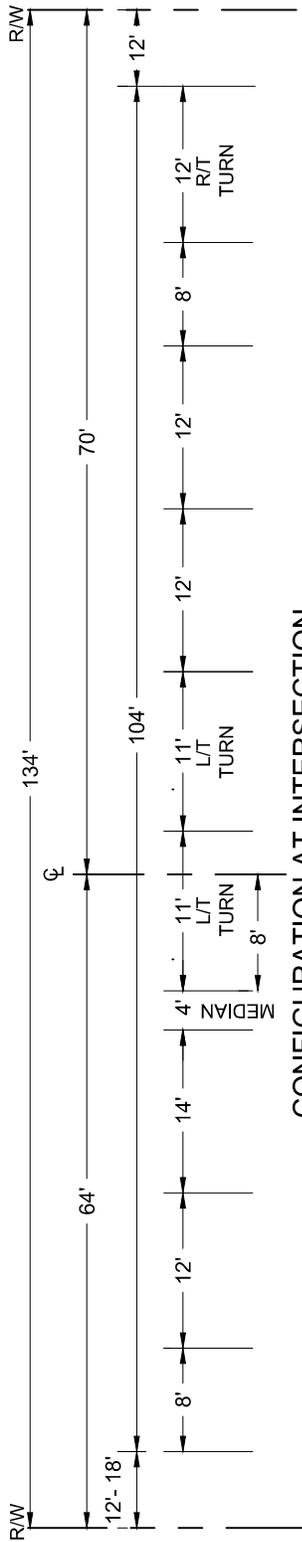
CITY OF MENIFEE

**URBAN ARTERIAL
(6 LANES)**

STANDARD PLAN NO. **96**

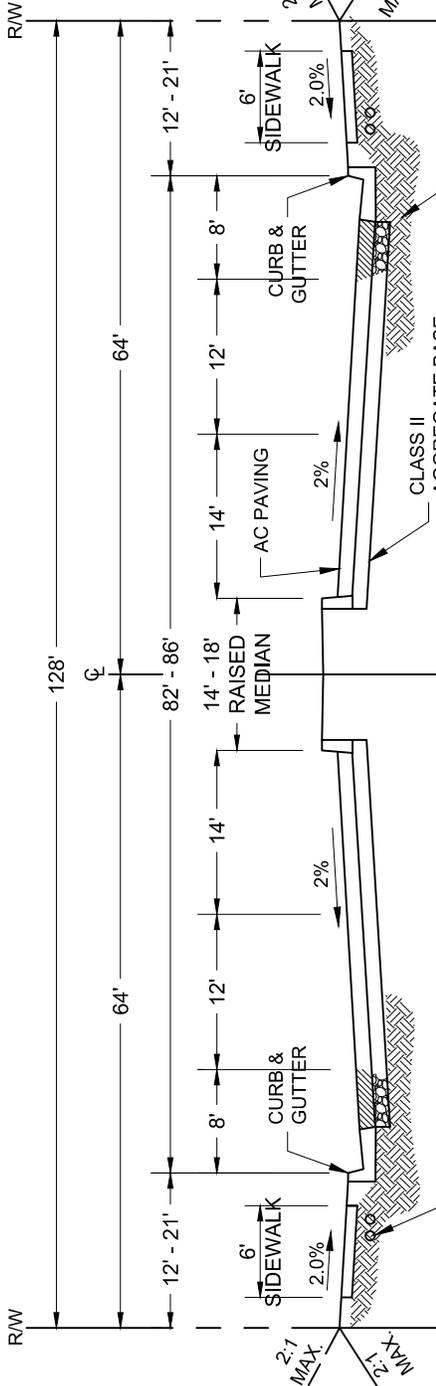
SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE
1	CG	JS	8/1/2016



CONFIGURATION AT INTERSECTION

(SEE NOTE 6)



TYPICAL STREET SECTION

NOTES:

1. THICKNESS OF BASE AND PAVING TO BE DETERMINED BY GEOTECHNICAL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 6"; FOR AGGREGATE BASE IS 8".
3. CURB AND GUTTER TO BE "TYPE 8" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.
5. INSTALL TWO SCH. 80 PVC CONDUITS (BOTH SIDES) PER STANDARD 1005
6. EXACT CONFIGURATION AT INTERSECTION TO BE DETERMINED BY THE TRAFFIC STUDY AND APPROVED BY THE CITY ENGINEER.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

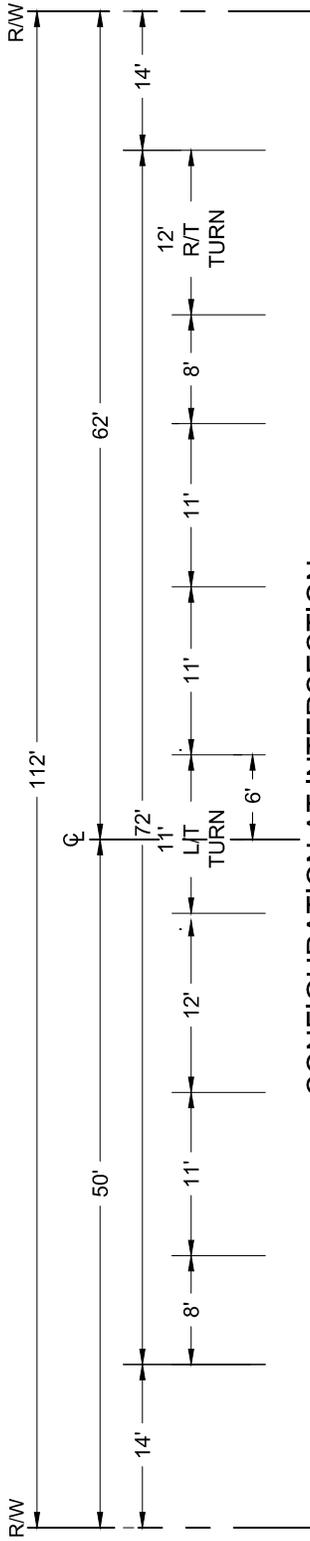
DATE



CITY OF MENIFEE

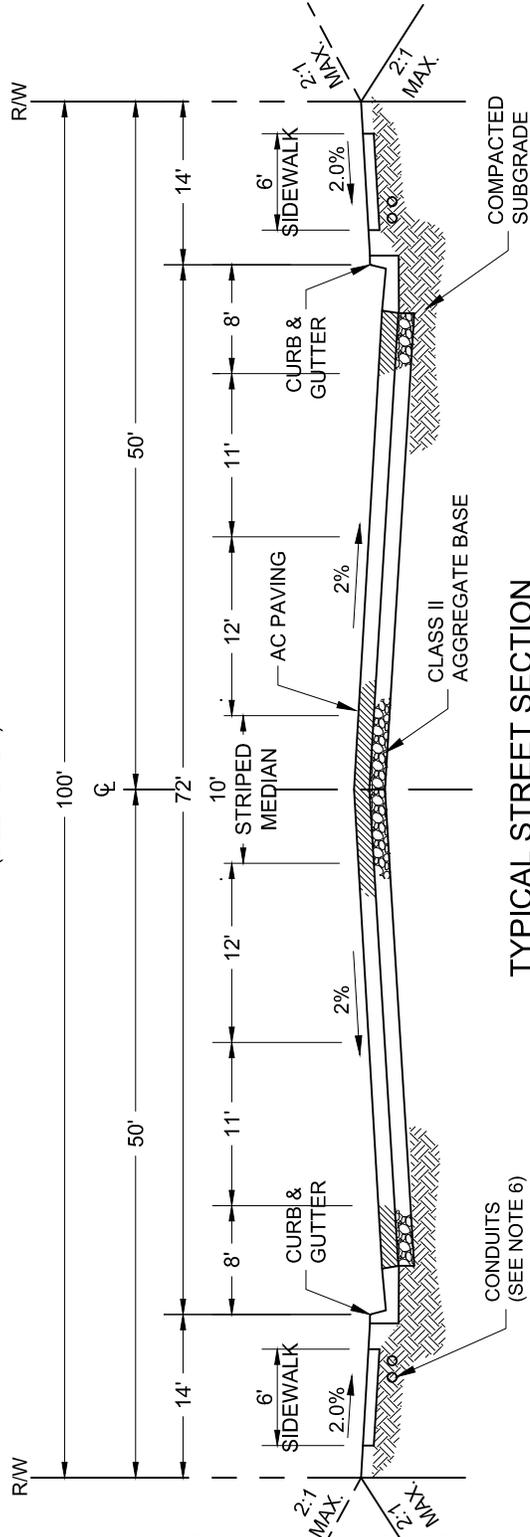
**ARTERIAL
(4 LANES)**

REVISION	BY:	APPROVED	DATE
1	CG	JS	8/1/2016



CONFIGURATION AT INTERSECTION

(SEE NOTE 7)



TYPICAL STREET SECTION

NOTES:

1. THICKNESS OF BASE AND PAVING TO BE DETERMINED BY GEOTECHNICAL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 6"; FOR AGGREGATE BASE IS 8".
3. CURB AND GUTTER TO BE "TYPE 8" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.
5. STRIPED MEDIAN SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
6. INSTALL TWO SCH. 80 PVC CONDUITS (BOTH SIDES) PER STANDARD 1005.
7. EXACT CONFIGURATION AT INTERSECTION TO BE DETERMINED BY THE TRAFFIC STUDY AND APPROVED BY THE CITY ENGINEER.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



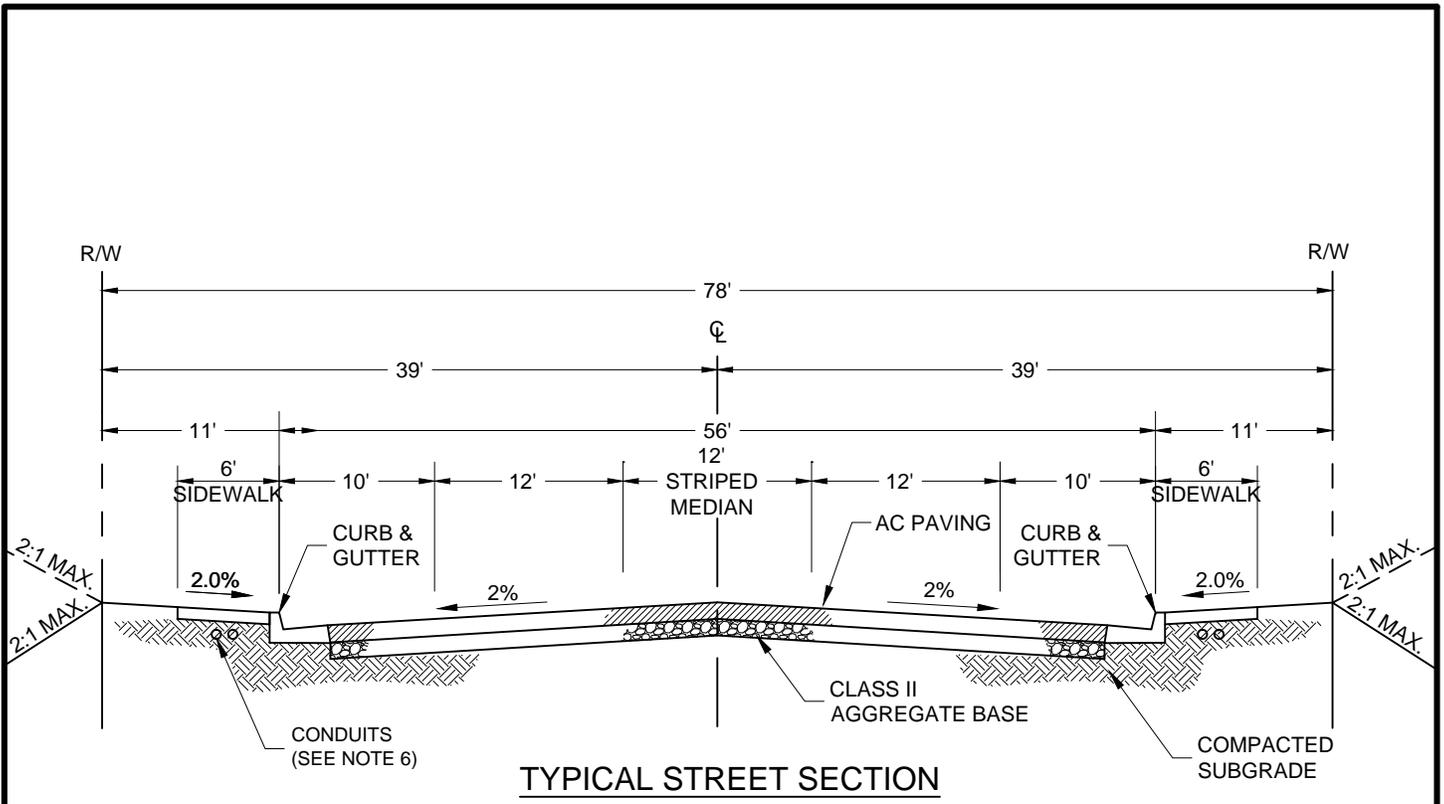
CITY OF MENIFEE

**SECONDARY
(4 LANES)**

STANDARD PLAN NO. **111**

SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE
1	CG	JS	8/1/2016



TYPICAL STREET SECTION

NOTES:

1. THICKNESS OF BASE AND PAVING TO BE DETERMINED BY GEOTECHNICAL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 6"; FOR AGGREGATE BASE IS 8".
3. CURB AND GUTTER TO BE "TYPE 8" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.
5. STRIPED MEDIAN SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
6. INSTALL TWO SCH. 80 PVC CONDUITS (BOTH SIDES) PER STANDARD 1005.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

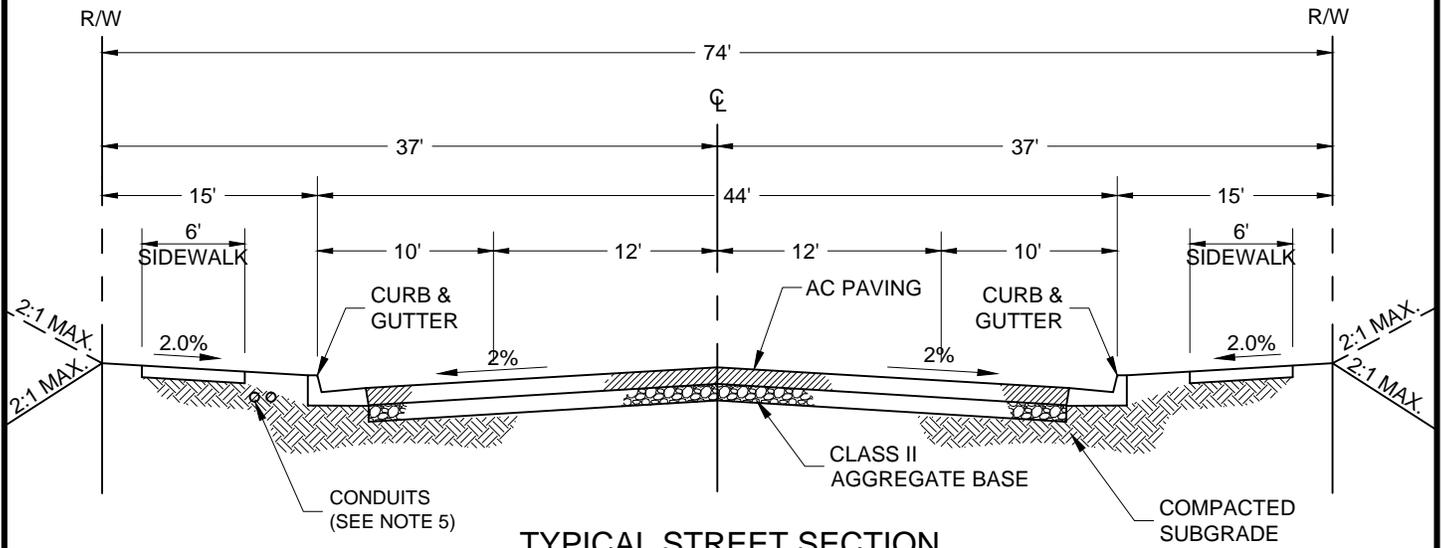


CITY OF MENIFEE

INDUSTRIAL COLLECTOR

REVISION	BY:	APPROVED	DATE
1	CG	JS	8/1/2016

STANDARD PLAN NO. **112** SHEET **1** OF **1**



NOTES:

1. THICKNESS OF BASE AND PAVING TO BE DETERMINED BY GEOTECHNICAL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 5"; FOR AGGREGATE BASE IS 6".
3. CURB AND GUTTER TO BE "TYPE 6" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.
5. INSTALL TWO SCH. 80 PVC CONDUITS (BOTH SIDES) PER STANDARD 1005.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

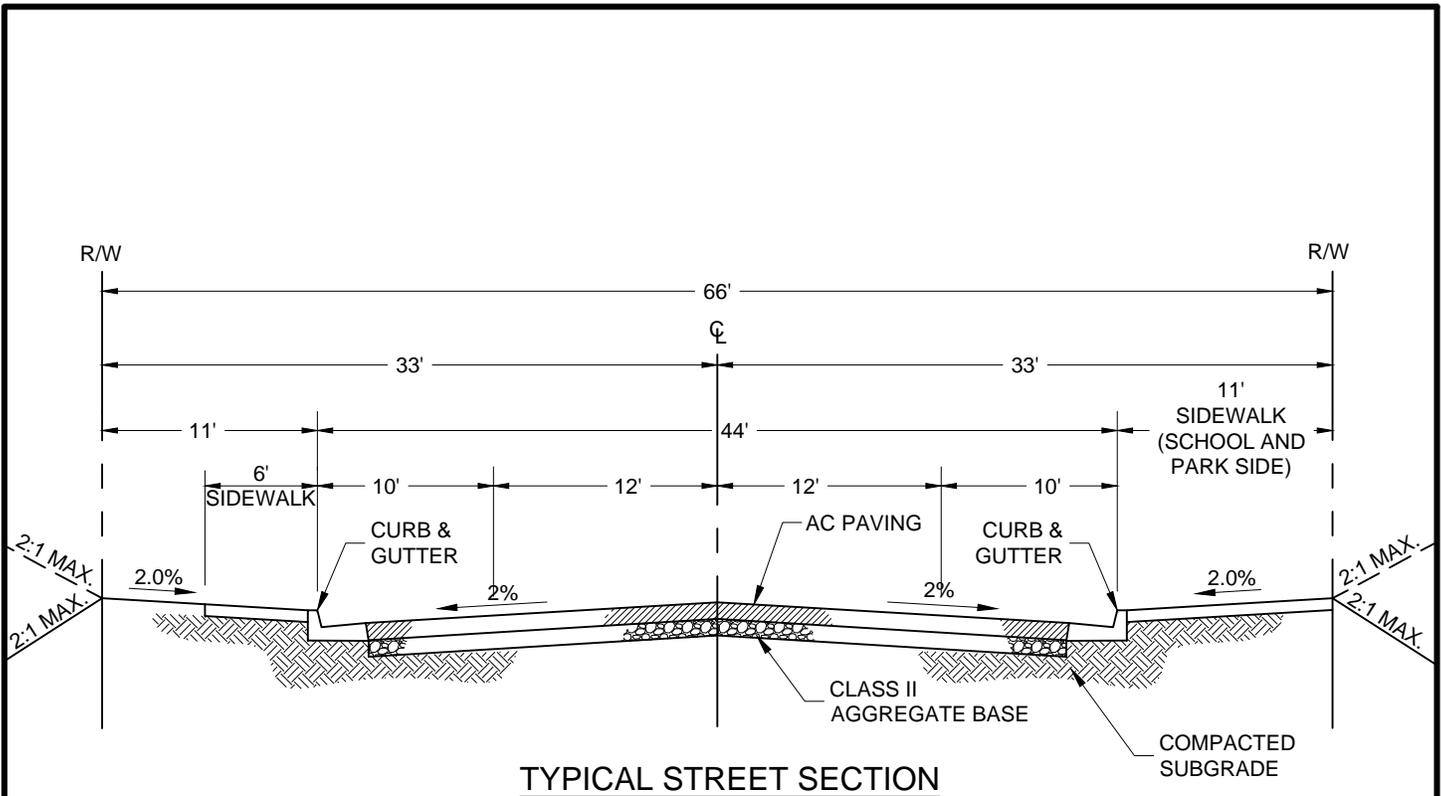


CITY OF MENIFEE

COLLECTOR

REVISION	BY:	APPROVED	DATE
1	CG	JS	8/1/2016

STANDARD PLAN NO. **113** SHEET **1** OF **1**



NOTES:

1. THICKNESS OF BASE AND PAVING TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 5"; FOR AGGREGATE BASE IS 6".
3. CURB AND GUTTER TO BE "TYPE 6" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

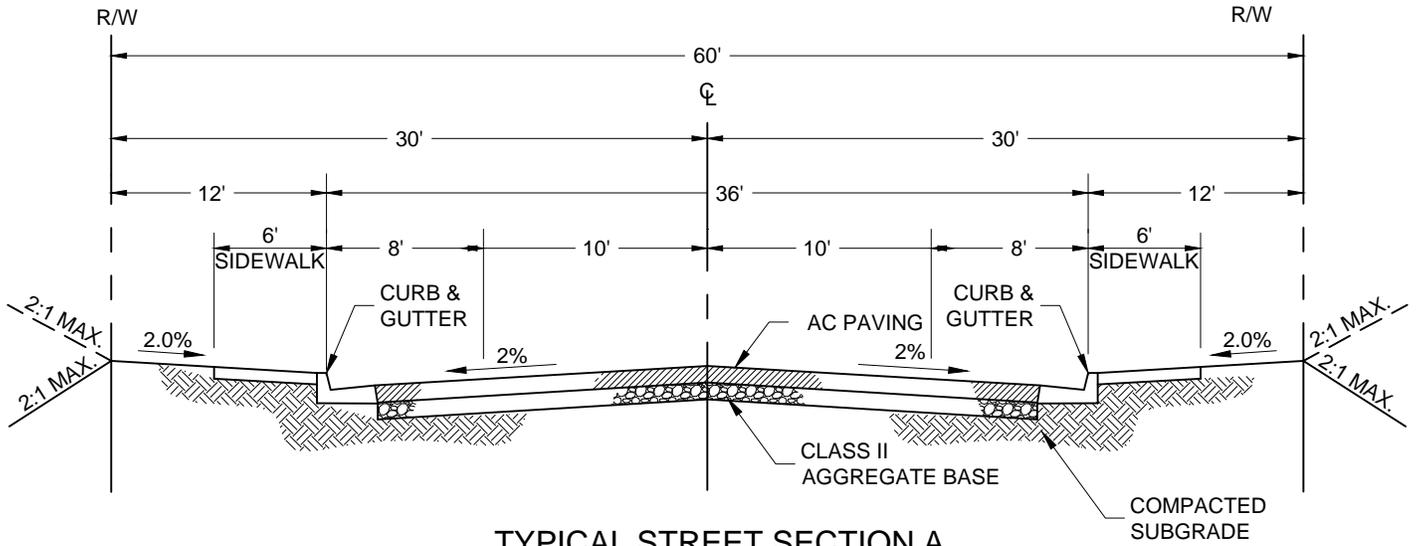


CITY OF MENIFEE

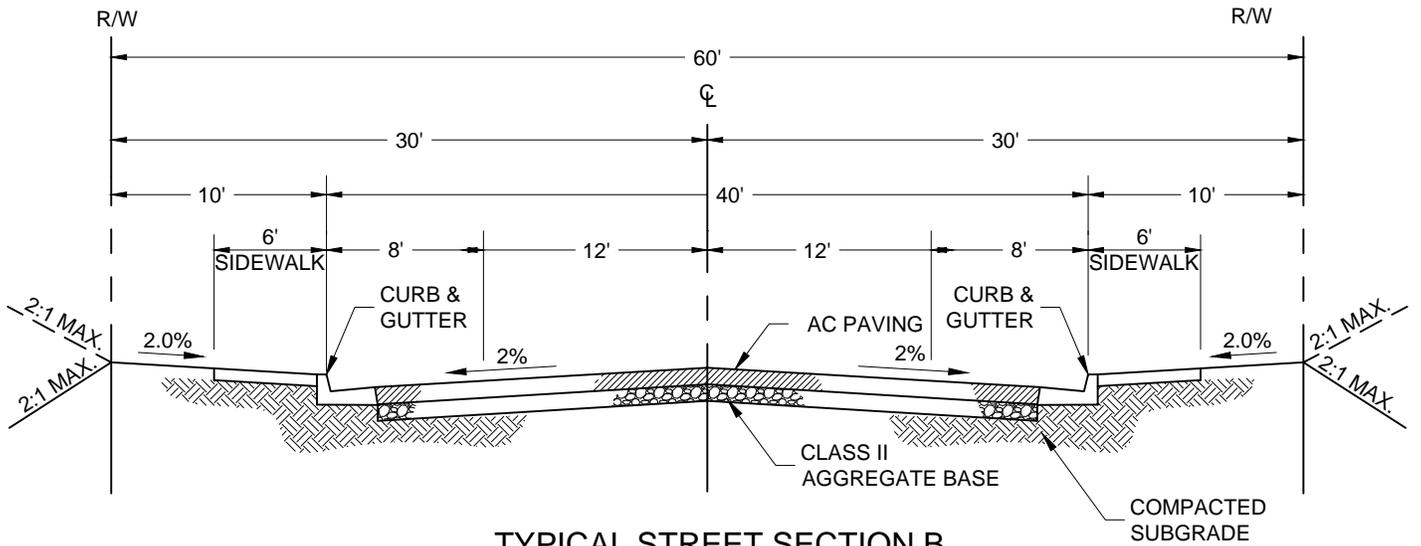
ENHANCED LOCAL STREET

REVISION	BY:	APPROVED	DATE
1	CG	JS	8/1/2016

STANDARD PLAN NO. **114** SHEET **1** OF **1**



TYPICAL STREET SECTION A



TYPICAL STREET SECTION B

NOTES:

1. THICKNESS OF BASE AND PAVING TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.
2. MINIMUM THICKNESS FOR A.C. IS 0.33'; FOR AGGREGATE BASE IS 0.50'.
3. CURB AND GUTTER TO BE "TYPE 6" UNLESS OTHERWISE SPECIFIED.
4. PROVIDE MIN. 48" CLEAR FROM BACK OF SIDEWALK TO ANY ABOVE GRADE OBJECTS SUCH AS STREET LIGHTS, FIRE HYDRANTS, POWER POLES, ETC. SEE STANDARD 402 TO WIDEN SIDEWALK AROUND OBSTRUCTIONS.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

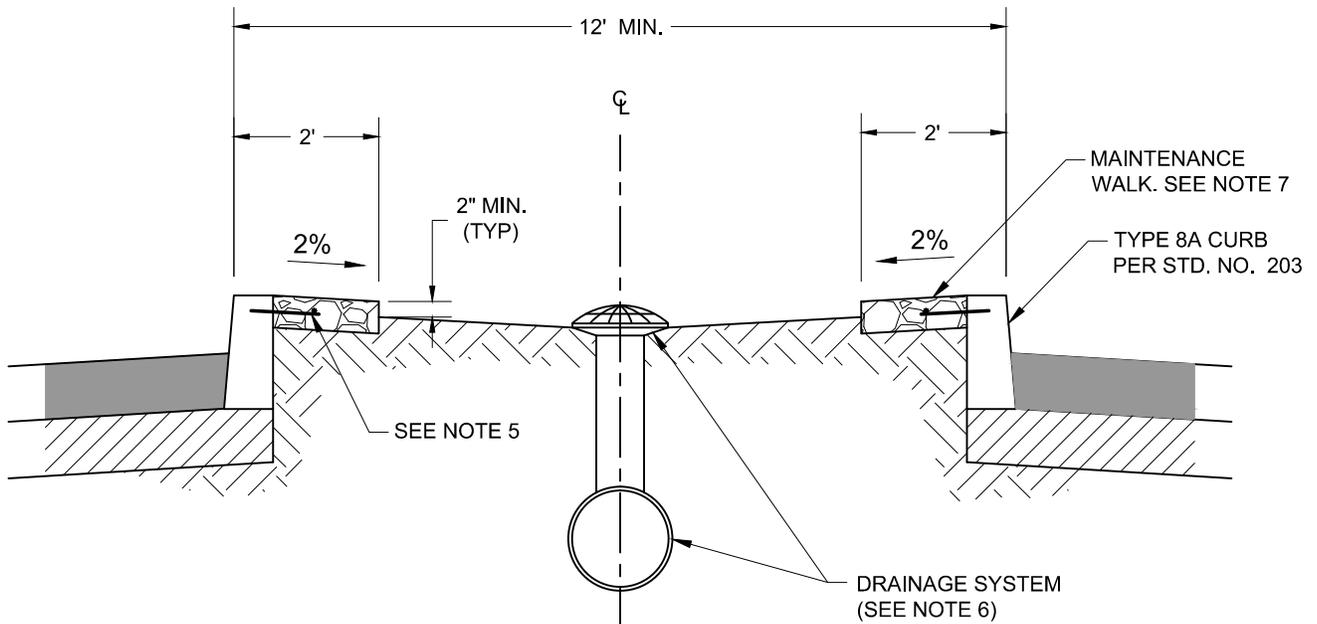


CITY OF MENIFEE

GENERAL LOCAL

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **115** SHEET **1** OF **1**



TYPICAL SECTION

NOTES:

1. ALL LANDSCAPING AND IRRIGATION PLANS MUST BE APPROVED BY THE PUBLIC WORKS / ENGINEERING DEPARTMENT.
2. CONTINUED MAINTENANCE OF PLANTED LANDSCAPING MUST BE GUARANTEED THROUGH A MAINTENANCE DISTRICT OR OTHER CITY APPROVED MECHANISM.
3. ANY IRRIGATION SHALL BE PROVIDED BY A DRIP SYSTEM OR POINT TO POINT SYSTEM.
4. INSTALL TYPE 8 CURB AND GUTTER (STD. No. 201) IN PLACE OF TYPE 8A WHEN FLOW LINE IS AGAINST MEDIAN DUE TO SUPERELEVATION.
5. #4 REBAR x 10" DOWELS AT 24" C-C TO TIE THE MAINTENANCE WALK TO THE CURB. ADD #3 LONGITUDINAL TIE BAR.
6. DRAINAGE SYSTEM IF REQUIRED SHALL BE APPROVED BY THE PUBLIC WORKS / ENGINEERING DEPARTMENT.
7. MAINTENANCE WALK SHALL BE 4" THICK 560-C-3250 PCC WITH RIVER ROCK STAMPED FINISH OR APPROVED EQUAL WITH LIGHT BROOM FINISH.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

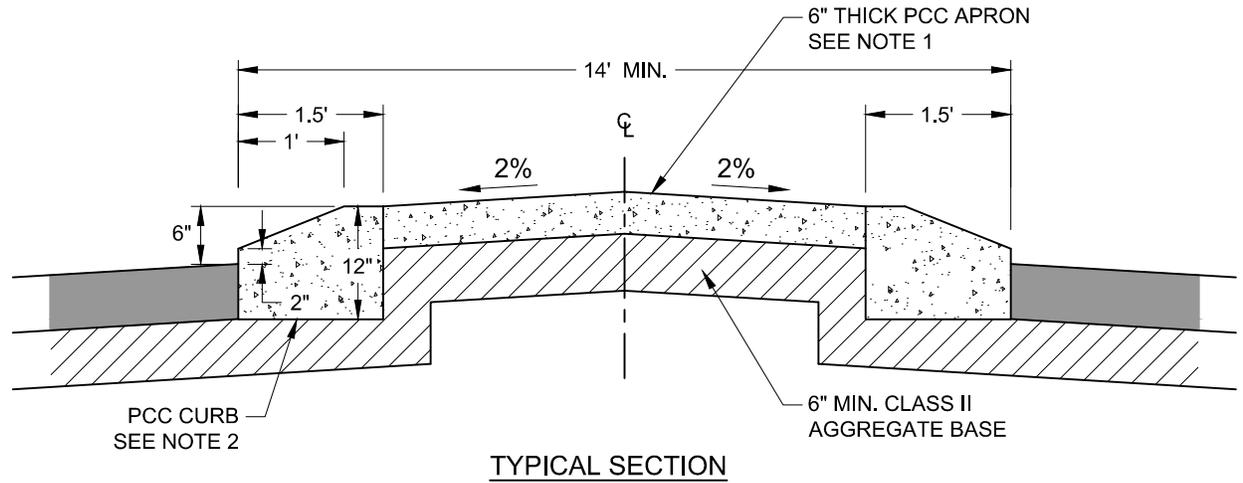
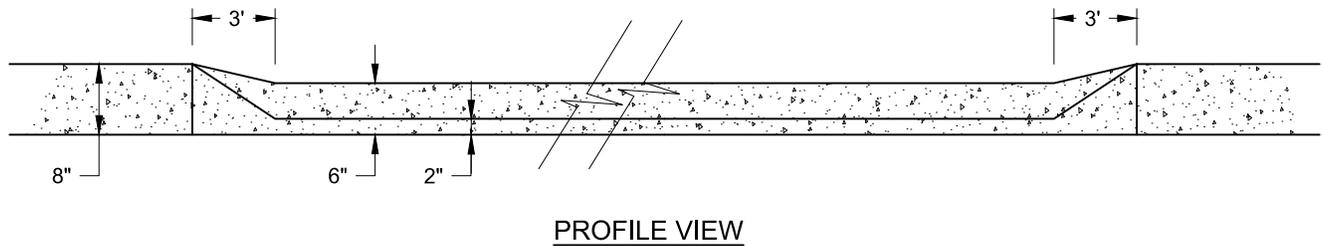
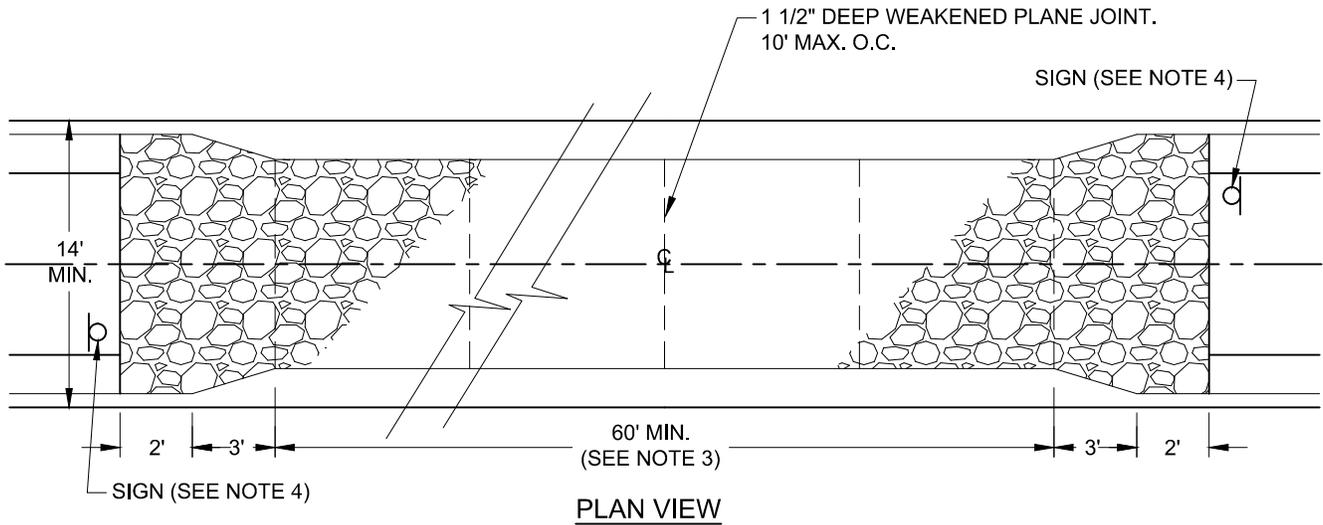


CITY OF MENIFEE

LANDSCAPE MEDIAN

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **120** SHEET **1** OF **1**



NOTES:

1. CONCRETE FINISH SHALL BE RIVER ROCK STAMPED OR APPROVED EQUAL WITH LIGHT BROOM FINISH.
2. ALL CONCRETE SHALL BE CLASS 560-C-3250.
3. 60' OR AS APPROVED BY THE PUBLIC WORKS / ENGINEERING DEPARTMENT.
4. INSTALL R3-3 "NO TURNS" SIGN PER CITY STD. No. 817 WHERE REQUIRED BY THE CITY ENGINEER.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

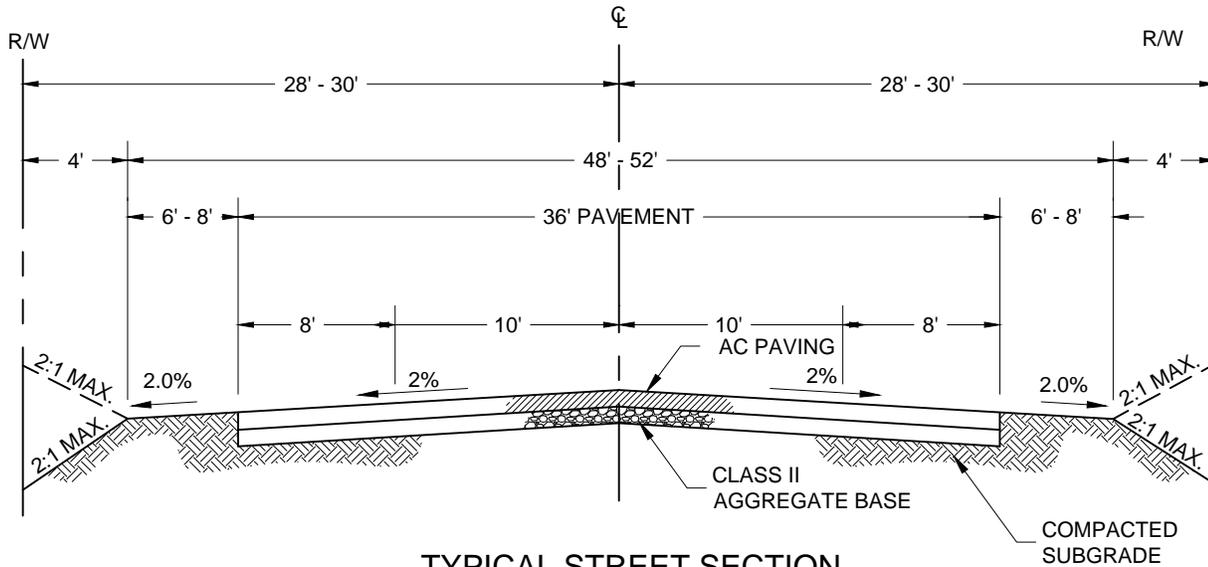
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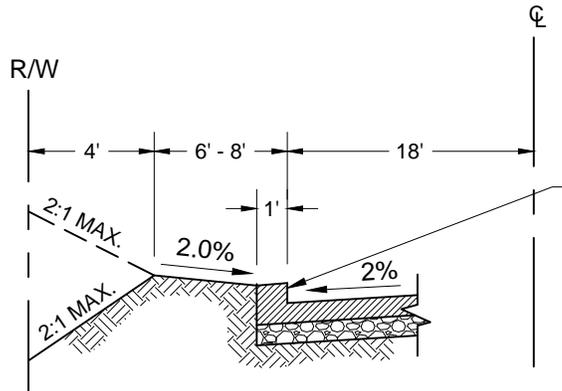
CITY OF MENIFEE

**MEDIAN MAINTENANCE
APRON**

REVISION	BY:	APPROVED	DATE



TYPICAL STREET SECTION



AC DIKE PER STANDARD 204.
TYPE E (4") MOUNTABLE AC DIKE
PER CALTRANS STD. PLAN A87B
MAY BE REQUIRED BY THE PUBLIC
WORKS DIRECTOR

DIKE DETAIL

(SEE NOTE #4)

NOTES:

1. THIS STANDARD ONLY APPLIES TO LOCATIONS APPROVED BY THE PUBLIC WORKS DIRECTOR.
2. COMBINED THICKNESS OF BASE AND PAVING TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.
3. MINIMUM THICKNESS FOR A.C. IS 0.25'; FOR AGGREGATE BASE IS 0.50'.
4. TO CONTROL DRAINAGE, PREVENT EROSION OR IF THE ROADWAY GRADIENT IS 6% OR GREATER, A.C. DIKES MAY BE REQUIRED. A.C. DIKES AND WIDER PAVEMENT MAY BE ADDITIONALLY REQUIRED FOR SAFETY, DRAINAGE, PEDESTRIAN WALKWAYS AND/OR CONTINUITY AS DETERMINED BY THE PUBLIC WORKS DIRECTOR.
5. ONE STREET LIGHT MAY BE REQUIRED AT STREET INTERSECTIONS.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

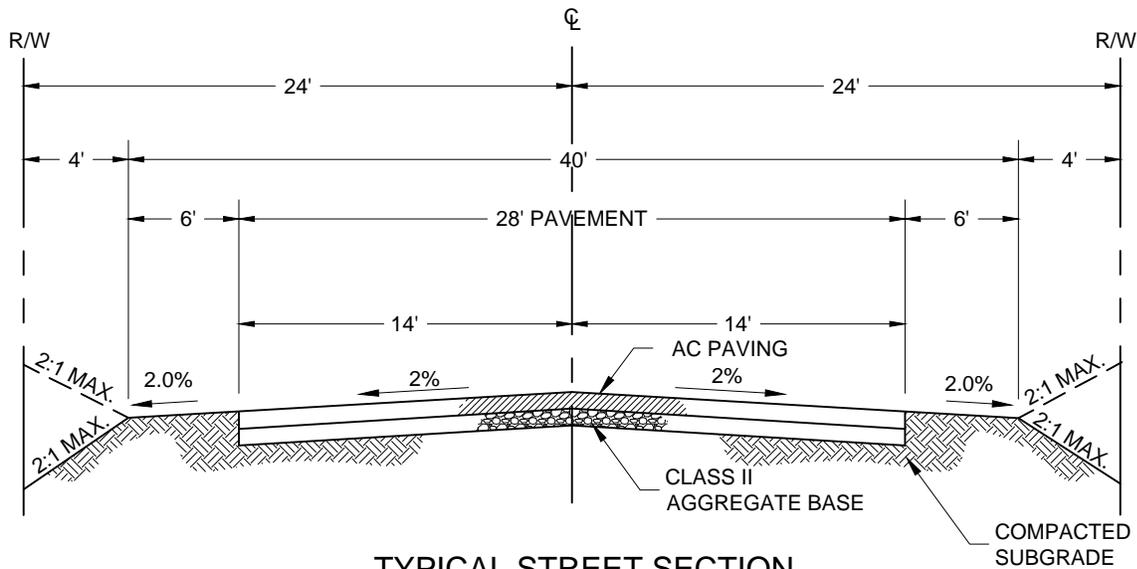


CITY OF MENIFEE

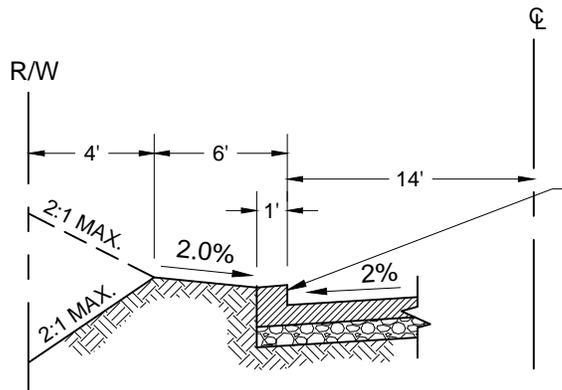
RURAL COLLECTOR

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **130** SHEET **1** OF **1**



TYPICAL STREET SECTION



AC DIKE PER STANDARD 204.
TYPE E (4") MOUNTABLE AC DIKE
PER CALTRANS STD. PLAN A87B
MAY BE REQUIRED BY THE PUBLIC
WORKS DIRECTOR

DIKE DETAIL

(SEE NOTE #4)

NOTES:

1. THIS STANDARD ONLY APPLIES TO LOCATIONS APPROVED BY THE PUBLIC WORKS DIRECTOR.
2. COMBINED THICKNESS OF BASE AND PAVING TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.
3. MINIMUM THICKNESS FOR A.C. IS 0.25'; FOR AGGREGATE BASE IS 0.50'.
4. TO CONTROL DRAINAGE, PREVENT EROSION OR IF THE ROADWAY GRADIENT IS 6% OR GREATER, A.C. DIKES MAY BE REQUIRED. A.C. DIKES AND WIDER PAVEMENT MAY BE ADDITIONALLY REQUIRED FOR SAFETY, DRAINAGE, PEDESTRIAN WALKWAYS AND/OR CONTINUITY AS DETERMINED BY THE PUBLIC WORKS DIRECTOR.
5. ONE STREET LIGHT MAY BE REQUIRED AT STREET INTERSECTIONS.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



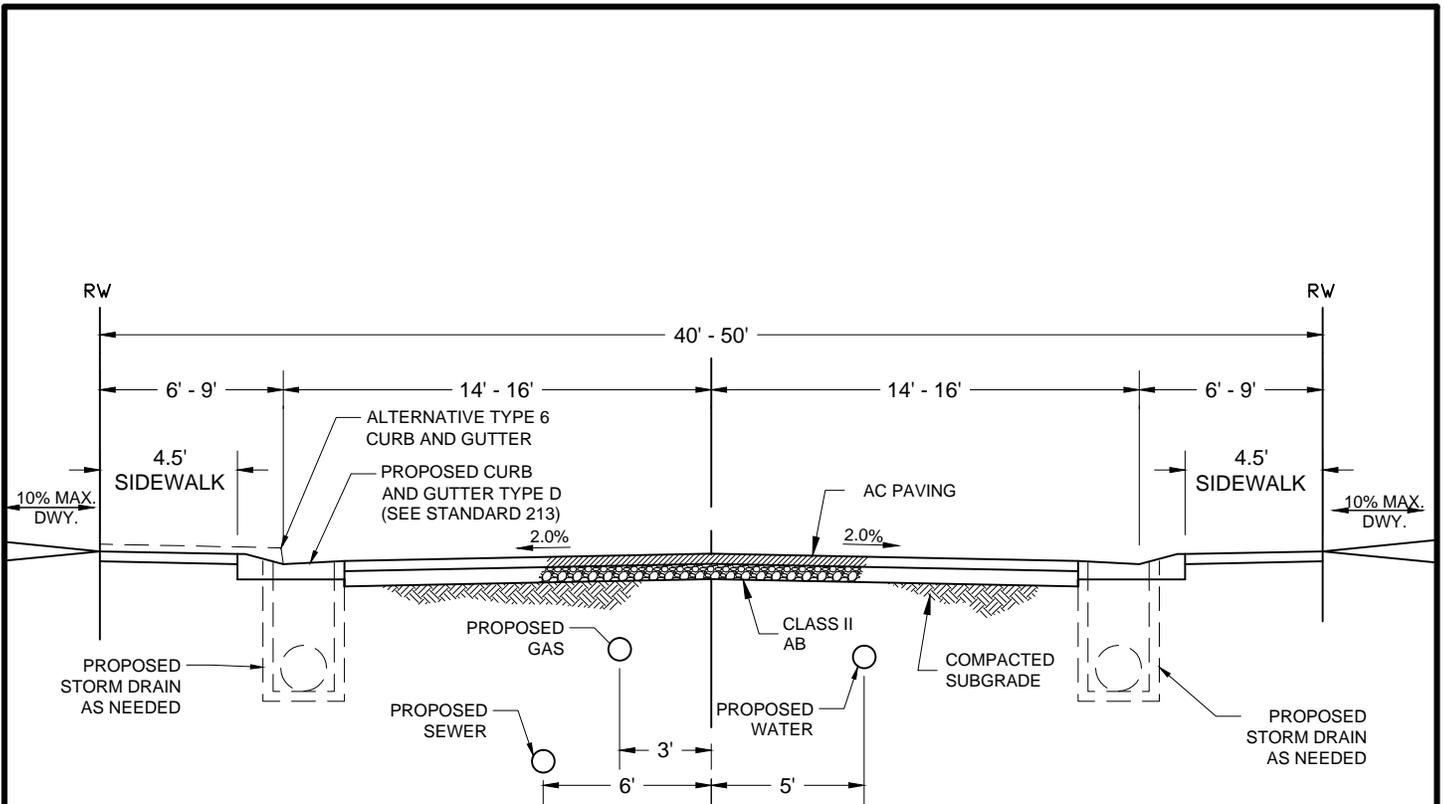
CITY OF MENIFEE

RURAL LOCAL

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **131**

SHEET **1** OF **1**



NOTES:

1. THIS STANDARD APPLIES TO LOCATIONS APPROVED BY THE PUBLIC WORKS DIRECTOR.
2. COMBINED THICKNESS OF BASE AND PAVING TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.
3. MINIMUM THICKNESS FOR A.C. IS 0.33', FOR AGGREGATE BASE IS 0.50'.
4. ONE STREET LIGHT MAY BE REQUIRED AT STREET INTERSECTIONS.

APPROVED BY:

Jonathan George Smith

1/15/2016

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

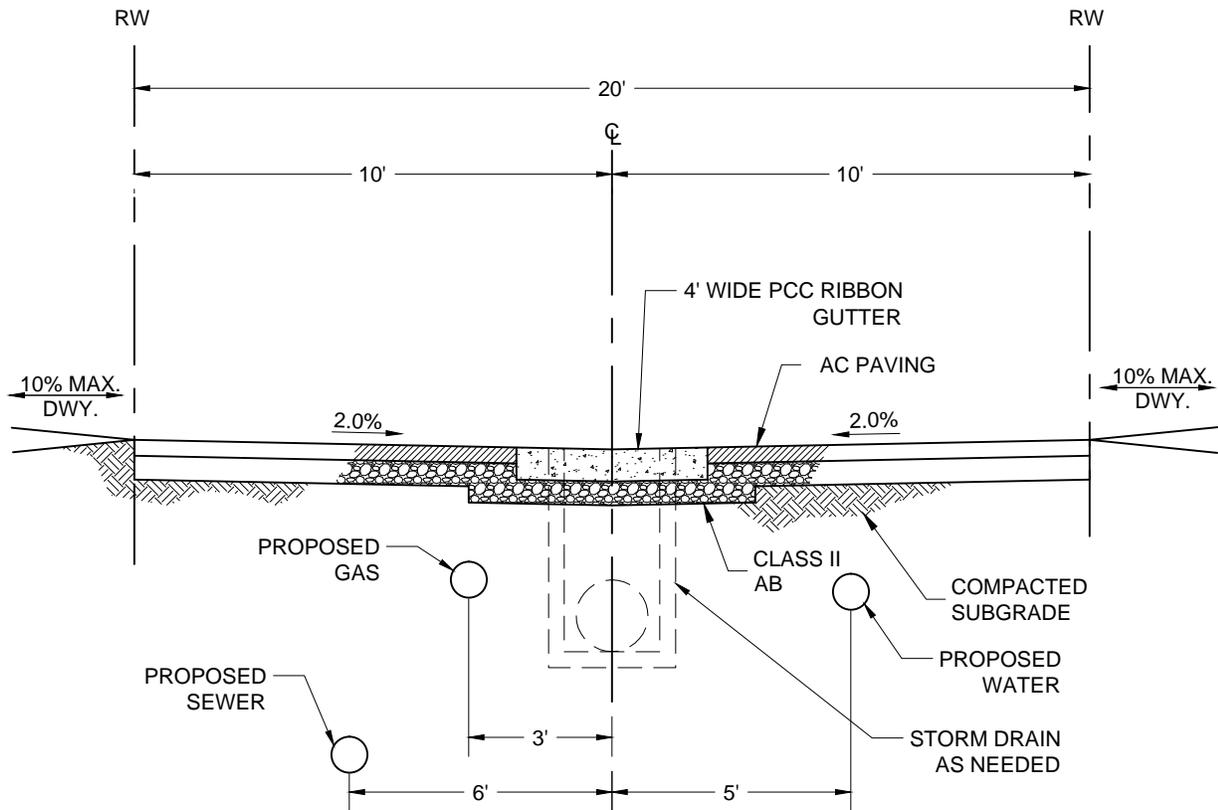


CITY OF MENIFEE

**QUAIL VALLEY
40' - 50' RW**

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **140** SHEET **1** OF **1**



NOTES:

1. THIS STANDARD IS FOR ONE-WAY STREETS ONLY AND APPLIES TO LOCATIONS APPROVED BY THE PUBLIC WORKS DIRECTOR.
2. COMBINED THICKNESS OF BASE AND PAVING TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.
3. MINIMUM THICKNESS FOR A.C. IS 0.33', FOR AGGREGATE BASE IS 0.50'.
4. ONE STREET LIGHT MAY BE REQUIRED AT STREET INTERSECTIONS.

APPROVED BY:

Jonathan George Smith

1/15/2016

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

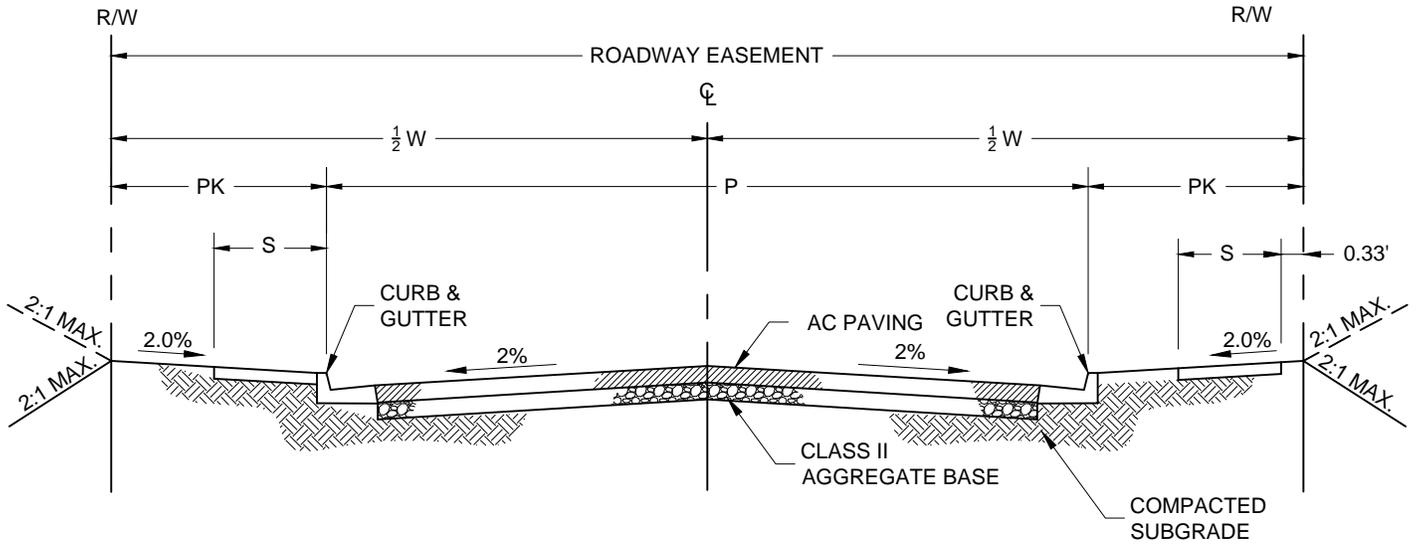


CITY OF MENIFEE

**QUAIL VALLEY
20' RW**

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **141** SHEET **1** OF **1**



TYPICAL STREET SECTION

W	P	PK	S	NOTES
44'	24'	10'	5'	MAX L=150', NO PARKING ON BOTH SIDES MAX NUMBER OF DWELLING UNITS = 4
48'	28'	10'	5'	SIDEWALK ON ONE SIDE, NO PARKING ON BOTH SIDES, ADJACENT TO PARK/OPEN SPACE
48'	28'	10'	5'	NO PARKING BOTH SIDES
52'	32'	10'	5'	NO PARKING BOTH SIDES
56'	32'	10'	5'	
60'	40'	10'	5'	

LEGEND	
W	MINIMUM RIGHT-OF-WAY WIDTH
PK	PARKWAY WIDTH TO FACE OF CURB
P	TOTAL CURB TO CURB WIDTH
M	TOTAL MEDIAN WIDTH
S	WIDTH OF SIDEWALK

NOTES:

- THICKNESS OF BASE AND PAVING TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.

APPROVED BY:

Jonathan George Smith

1/15/2016

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

PRIVATE RESIDENTIAL STREET

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **150** SHEET **1** OF **2**

PRIVATE RESIDENTIAL STREET STANDARD NOTES

1. BUILDING SET BACKS SHALL BEGIN FROM THE ROADWAY RIGHT-OF-WAY LINE.
2. TREE SPACING SHALL BE 35' TO 45' ON CENTER OR ONE TREE PER LOT, AS DETERMINED BY THE PARKS & COMMUNITY SERVICE DIRECTOR.
3. SEE CITY OF MENIFEE STANDARD 1303.05 THROUGH 1303.11 FOR STREET TREE PLANTING.
4. FIRE HYDRANT SPACING SHALL BE 300' MAXIMUM, SUBJECT TO THE APPROVAL OF THE FIRE CHIEF.
5. SEE CITY OF MENIFEE STANDARD 205, 206 AND 207 FOR DRIVEWAY SIZE AND SEPARATION REQUIREMENT.
6. SEE CITY OF MENIFEE STANDARD 815 THROUGH 817 FOR STREET NAME SIGN LOCATION AND 1201 FOR STOP SIGN LOCATION.
7. STREET LIGHT SPACING AND LEVEL OF LIGHTING SHALL BE EQUIVALENT TO CITY OF MENIFEE STANDARDS.
8. MINIMUM CURB RADIUS RETURN SHALL BE 25'.
9. PLANS FOR ALL PRIVATE STREET, INCLUDING STREET LIGHT SYSTEM, TRAFFIC CONTROL MARKING, STRIPING, AND SIGN LOCATIONS SHALL BE DESIGNED BY AN R.C.E. AND BE REVIEWED AND APPROVED BY THE ENGINEERING DEPARTMENT.
10. PEDESTRIAN RAMPS ARE REQUIRED AT ALL STREET INTERSECTIONS PER TITLE 24 AND THE LATEST EDITION OF THE ADA MANUAL.
11. ALL STREETS SHALL HAVE STREET NAME SIGNS AT EACH INTERSECTION. ALL PRIVATE STREETS SHALL BE LABELED WITH THE NAME PLUS THE WORD "PRIVATE." WHEN PRIVATE STREETS INTERSECT WITH CITY MAINTAINED STREETS, THE STREET NAME SHALL BE IN ACCORDANCE WITH STANDARD PLAN NUMBER 815.

APPROVED BY:



1/15/2016

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

**PRIVATE RESIDENTIAL
STREET**

STANDARD PLAN NO.

150

SHEET **2** OF **2**

REVISION	BY:	APPROVED	DATE

DESIGN CRITERIA	URBAN ARTERIAL (8 - 6 LANES)	ARTERIAL (4 LANES)	MAJOR (4 LANES)	SECONDARY (4 LANES)	INDUSTRIAL COLLECTOR	COLLECTOR / ENHANCED LOCAL	GENERAL LOCAL	RURAL	PRIVATE
DESIGN SPEED (MPH)	55	50	50	45	35	35	30	30	30
STANDARD PLAN	96	97	110	111	112	113 - 114	115	130 - 131 140 - 141	150
CURB TO CURB DISTANCE	130' 106' - 110'	82' - 86'	76'	72'	56'	44'	36' - 40'	28' - 36' 20' - 32'	-
MINIMUM TRAFFIC INDEX	11	10	10	10	8	8	5.5	5	5
MINIMUM STRUCTURAL SECTION	6" AC 10" AB	6" AC 8" AB	6" AC 8" AB	6" AC 8" AB	6" AC 8" AB	5" AC 6" AB	4" AC 6" AB	4" AC 6" AB	4" AC 6" AB
MAXIMUM GRADE	6%	6%	6%	7%	7%	8%	9%	12%	9%
MAXIMUM INTERSECTION GRADE	3% (NO CROSS GUTTERS)	3% (NO CROSS GUTTERS)	4% (NO CROSS GUTTERS)	4% (NO CROSS GUTTERS)	5%	5%	5%	5%	5%
MINIMUM CURB RADIUS RETURN	35'	35'	35'	30'	30'	30'	25'	N/A	25'
CURB HEIGHT	8"	8"	8"	6"	6"	6"	6"	N/A	6"

NOTES:

- ROADWAY DESIGN LESS DIFFERENT THAN SHOWN REQUIRES APPROVAL BY THE CITY ENGINEER.
- FOR DEVELOPMENTS THAT HAVE A SIGNIFICANT AMOUNT OF TRUCK TRAFFIC, THE DEVELOPER MAY BE REQUIRED TO PERFORM A TRAFFIC ANALYSIS TO DETERMINE THE APPROPRIATE TRAFFIC INDEX FOR THE ROADWAY IMPROVEMENTS.
- FOR STOPPING SIGHT DISTANCES AND INTERSECTION SIGHT DISTANCES REFER TO STANDARD PLAN NO. 818
- FOR MINIMUM HORIZONTAL RADIUS REFER TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL.
- ASPHALT CONCRETE SHALL BE TYPE C2 PG70-10 FOR FINISH COURSE. TYPE B PG70-10 FOR BASE COURSE.

APPROVED BY:

Jonathan George Smith

2/15/2016

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



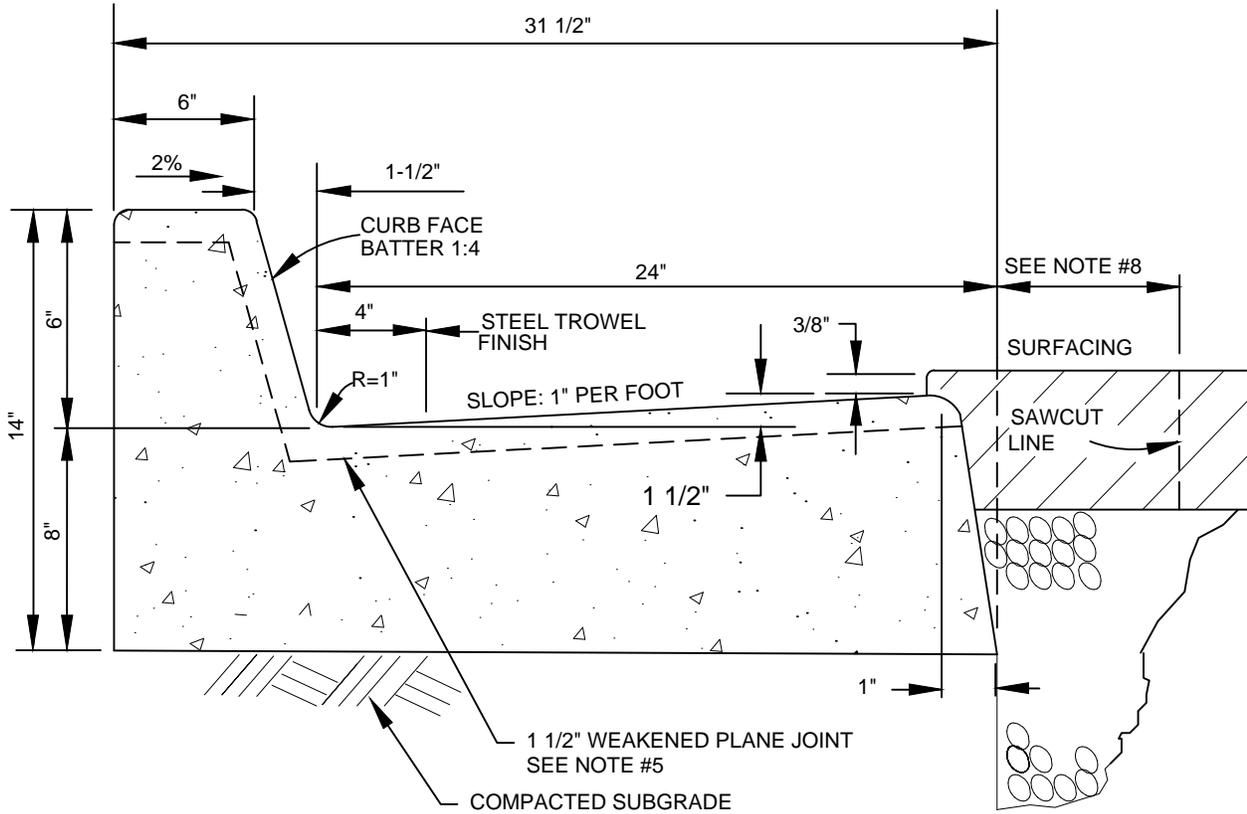
CITY OF MENIFEE

STREET DESIGN
REQUIREMENTS

STANDARD PLAN NO. 155

SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE



NOTES:

1. CONCRETE SHALL BE CLASS 560-C-3250 PCC; CURED WITH CURING COMPOUND.
2. ALL EXPOSED CORNERS SHALL BE FINISHED WITH 1/2" RADIUS.
3. FINISH SHALL BE FINE BROOM.
4. ALL GUTTERS MUST HAVE 4" WIDE SHINER AT FLOW LINE.
5. EXISTING PCC SHALL BE SAWCUT AT WEAKENED PLANE JOINT PRIOR TO REMOVAL.
6. CURBS SHALL HAVE WEAKENED PLANE JOINTS AT 10' INTERVALS; NO SCORELINES ALLOWED.
7. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, FINISHING WORK SHALL PROVIDE AN ACCEPTABLE FINISH.
8. A MINIMUM 2' WIDE AC PAVEMENT REPAIR PATCH IS REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO EXISTING AC PAVEMENT, OR AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

APPROVED BY:

Jonathan George Smith

5/29/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

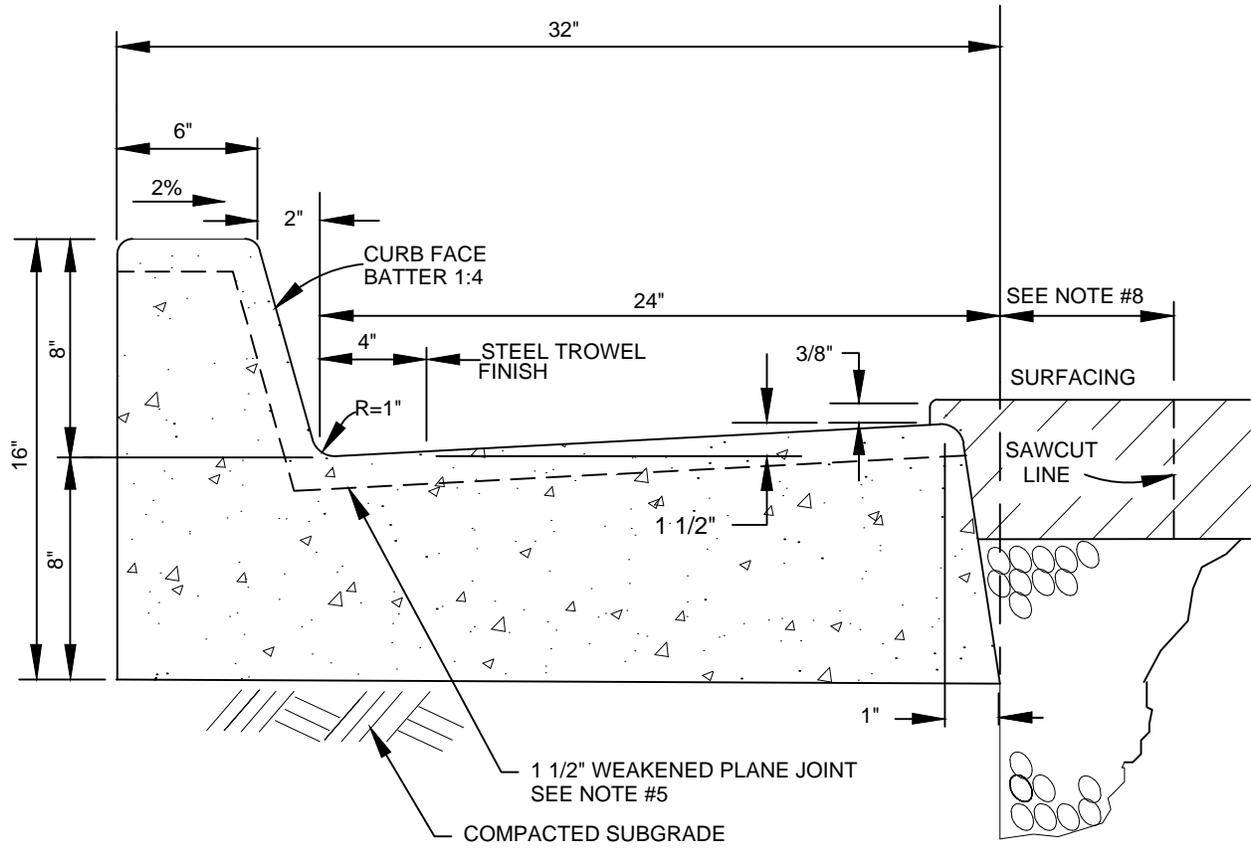


CITY OF MENIFEE

**TYPE 6 CURB
AND GUTTER**

REVISION	BY:	APPROVED	DATE
1	CG	JS	4/15/2015

STANDARD PLAN NO. **200** SHEET **1** OF **1**



NOTES:

1. CONCRETE SHALL BE CLASS 560-C-3250 PCC; CURED WITH CURING COMPOUND.
2. ALL EXPOSED CORNERS SHALL BE FINISHED WITH 1/2" RADIUS.
3. FINISH SHALL BE FINE BROOM.
4. ALL GUTTERS MUST HAVE 4" WIDE SHINER AT FLOW LINE.
5. EXISTING PCC SHALL BE SAWCUT AT WEAKENED PLANE JOINT PRIOR TO REMOVAL.
6. CURBS SHALL HAVE WEAKENED PLANE JOINTS AT 10' INTERVALS; NO SCORELINES ALLOWED.
7. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, FINISHING WORK SHALL PROVIDE AN ACCEPTABLE FINISH.
8. A MINIMUM 2' WIDE AC PAVEMENT REPAIR PATCH IS REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO EXISTING AC PAVEMENT, OR AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

APPROVED BY:

 5/29/2014
 DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

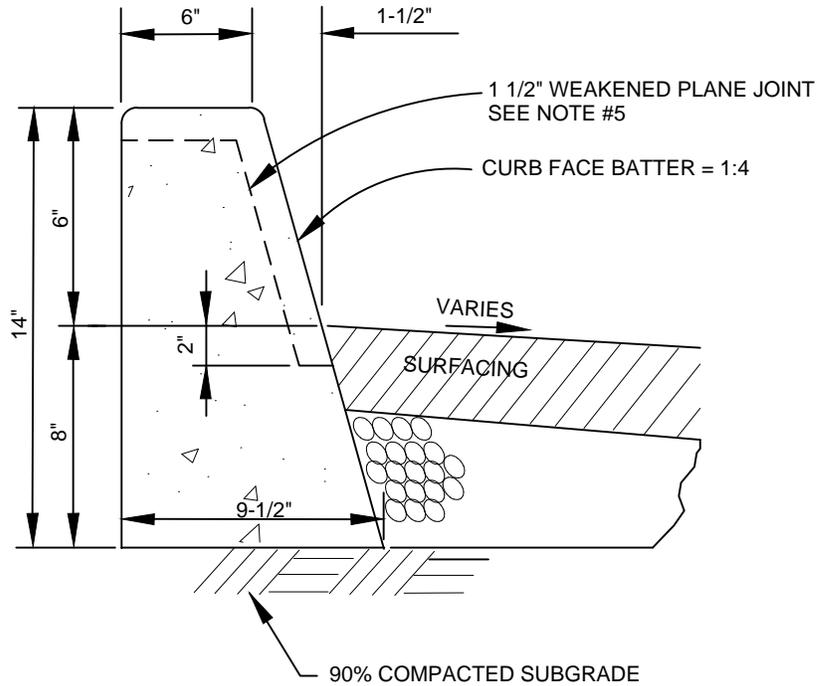


CITY OF MENIFEE

**TYPE 8 CURB
AND GUTTER**

STANDARD PLAN NO. **201** SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE
1	CG	JS	4/15/2015



NOTES:

1. CONCRETE SHALL BE CLASS 560-C-3250 PCC, CURED WITH CURING COMPOUND.
2. ALL EXPOSED CORNERS SHALL BE FINISHED WITH 1/2" RADIUS.
3. FINISH SHALL BE FINE BROOM.
4. EXISTING PCC SHALL BE SAWCUT AT JOINT PRIOR TO REMOVAL.
5. CURBS SHALL HAVE WEAKENED PLANE JOINTS AT BCR AND ECR, AND AT 10' INTERVALS.
6. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, FINISHING WORK SHALL PROVIDE AN ACCEPTABLE FINISH.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

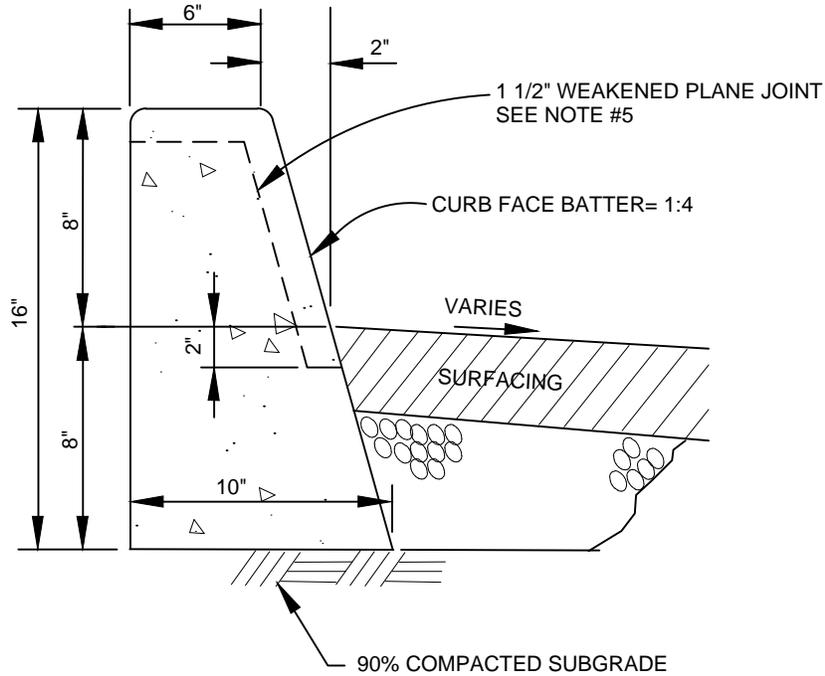


CITY OF MENIFEE

TYPE 6A CURB

REVISION	BY:	APPROVED	DATE
1	CG	JS	4/15/2015

STANDARD PLAN NO. 202 SHEET 1 OF 1



NOTES:

1. CONCRETE SHALL BE CLASS 560-C-3250 PCC, CURED WITH CURING COMPOUND.
2. ALL EXPOSED CORNERS SHALL BE FINISHED WITH 1/2" RADIUS.
3. FINISH SHALL BE FINE BROOM.
4. EXISTING PCC SHALL BE SAWCUT AT JOINT PRIOR TO REMOVAL.
5. CURBS SHALL HAVE WEAKENED PLANE JOINTS AT BCR AND ECR, AND AT 10' INTERVALS.
6. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, FINISHING WORK SHALL PROVIDE AN ACCEPTABLE FINISH.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

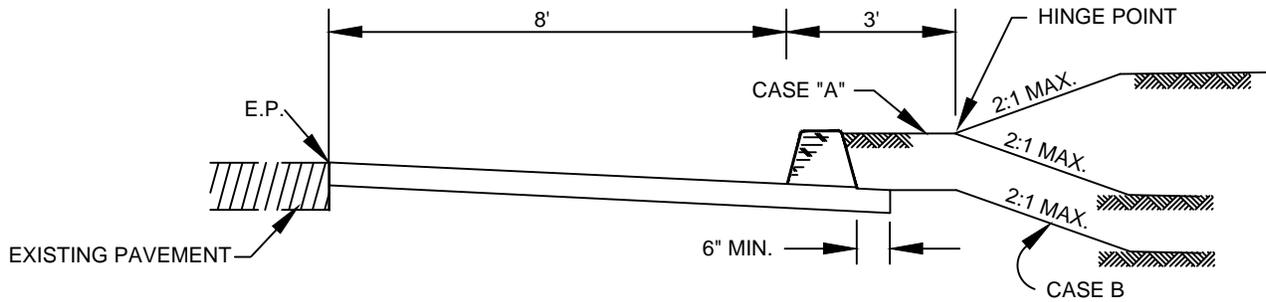


CITY OF MENIFEE

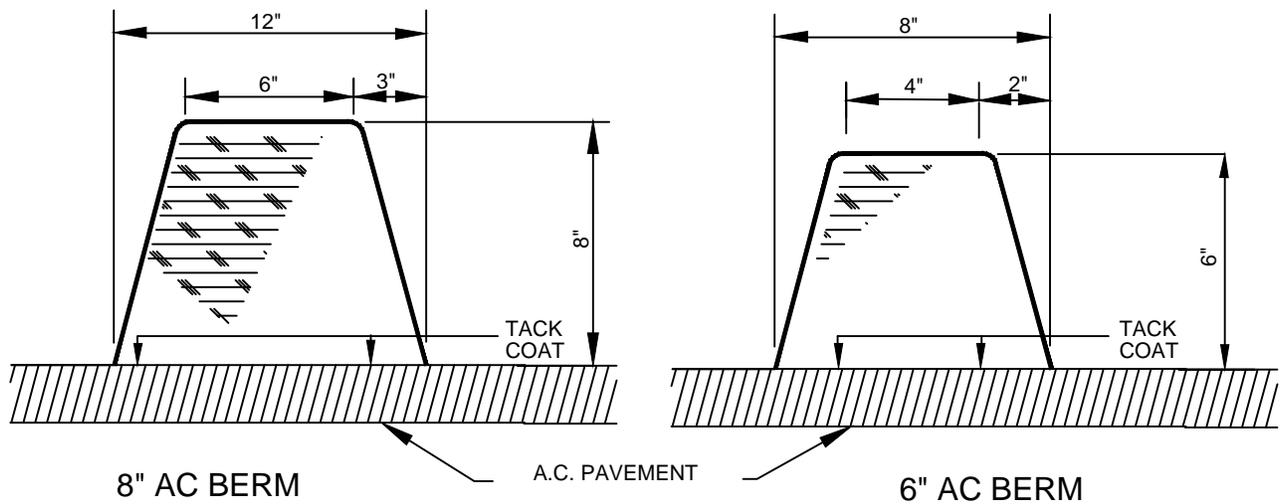
TYPE 8A CURB

REVISION	BY:	APPROVED	DATE
1	CG	JS	4/15/2015

STANDARD PLAN NO. **203** SHEET **1** OF **1**



PAVED SHOULDER WITH AC BERM



NOTES:

1. THE ASPHALT CONCRETE MIXTURE SHALL BE PG 64-10 WITH A MINIMUM ASPHALT BINDER OF 5.8 PERCENT.
2. PRIOR TO PLACEMENT, A TACK COAT SHALL BE APPLIED TO THE EXISTING SURFACE. TACK COAT SHALL BE AR1000 AT AN APPROXIMATE RATE OF 0.05 GALLON PER SQUARE YARD OR GRADE SS-1h EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD.
3. THE TEMPERATURE OF THE MIX AT THE TIME OF PLACEMENT SHALL NOT BE LESS THAN 250°F OR MORE THAN 285°F.
4. ALL EXTRUDERS AND SHOES SHALL BE APPROVED BY THE ENGINEER.
5. BERM TO BE PAINTED WITH 10 LF WHITE STRIPED PAINT PATTERN AT EVERY 10' INTERVALS. WITH REFLECTIVE BEADS.

APPROVED BY:

Jonathan George Smith

8/6/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

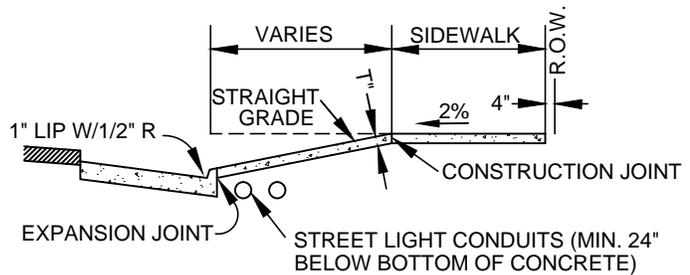
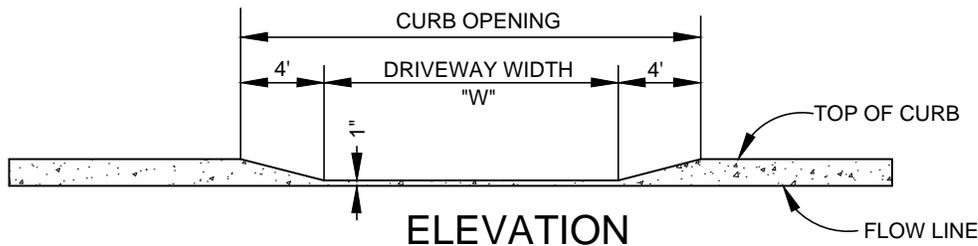
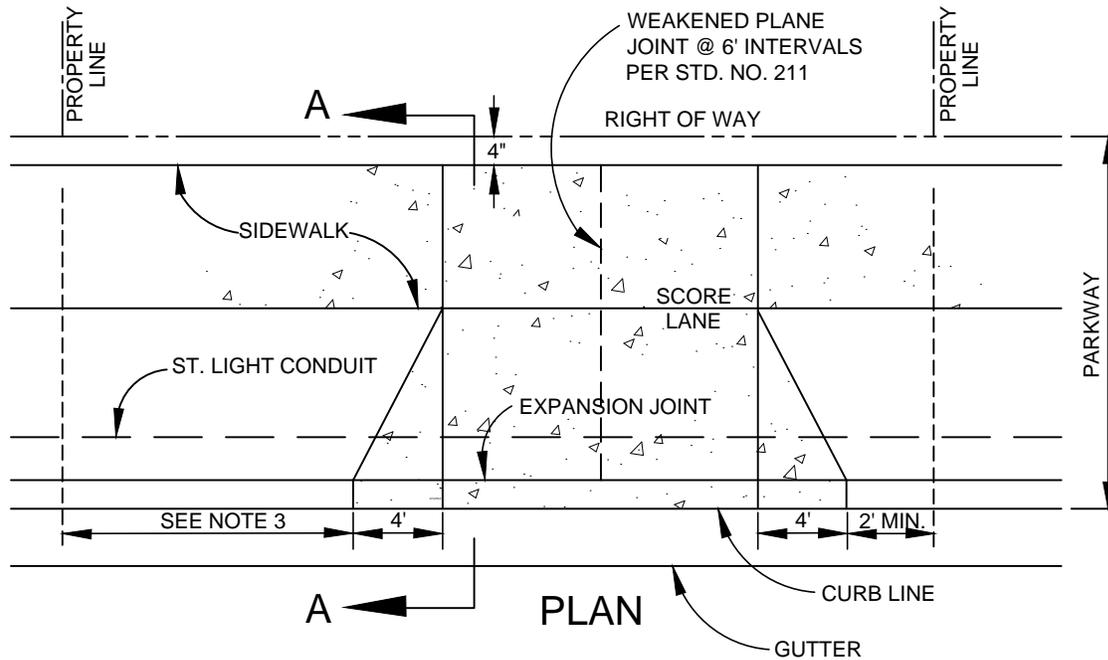


CITY OF MENIFEE

ASPHALT BERM

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **204** SHEET **1** OF **1**



MIN.	MAX.	THICKNESS	REMARKS
W	W	T	
12'	30'	6"	SINGLE RES. ONLY

NOTES

1. SIDEWALKS PORTION TO BE SCORED TO MATCH SIDEWALK PATTERN (MAXIMUM 25 SQ. FT. PANELS).
2. ALL CONCRETE SHALL BE 560-C-3250, CURED WITH CURING COMPOUND.
3. SECONDARY DRIVEWAYS: 22' MINIMUM FULL HEIGHT CURB BETWEEN OPENINGS ON SAME PROPERTY. 6' MINIMUM TO PROPERTY LINE. SECONDARY DRIVEWAY SHALL NOT EXCEED 12'.
4. TOTAL MAXIMUM DRIVE APPROACH WIDTH SHALL NOT EXCEED 40% OF THE TOTAL LOT FRONTAGE; 50% OF THE TOTAL LOT FRONTAGE ON CUL-DE-SACS.
5. DRIVE APPROACHES OVER 20' WIDE SHALL BE SCORED 1 1/2" DEEP AT CENTER LINE.
6. INSTALL STREET LIGHT CONDUIT WITH STUB-OUTS ON EACH SIDE OF DRIVEWAY AS DIRECTED BY THE ENGINEER IN THE FIELD.
7. 4" MINIMUM THICK CLASS II BASE UNDER CONCRETE APRON COMPACTED TO 95%.

APPROVED BY:

Jonathan George Smith

8/6/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

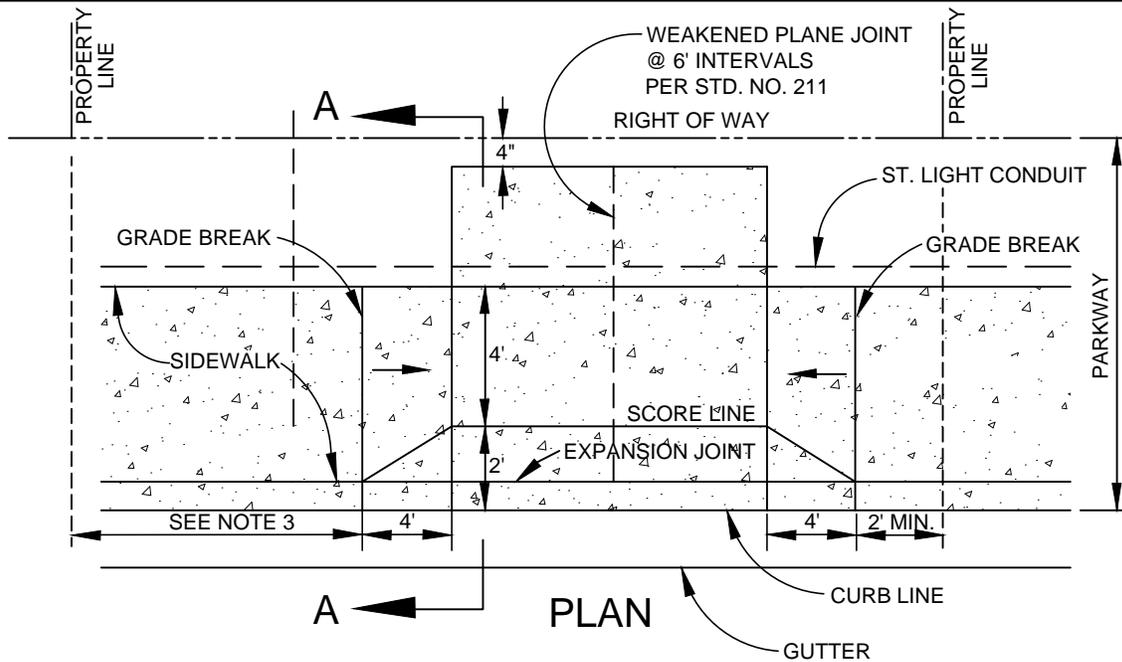


CITY OF MENIFEE

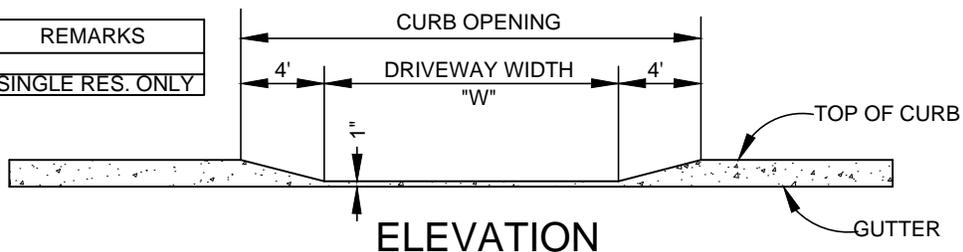
**RESIDENTIAL DRIVEWAY
APPROACH
(RECONSTRUCTION)**

STANDARD PLAN NO. **205** SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE
4	CG	JS	8/1/2016

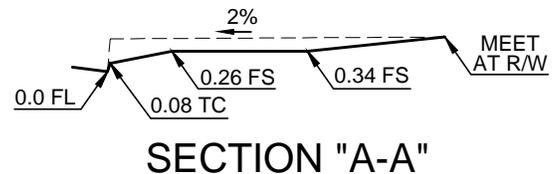
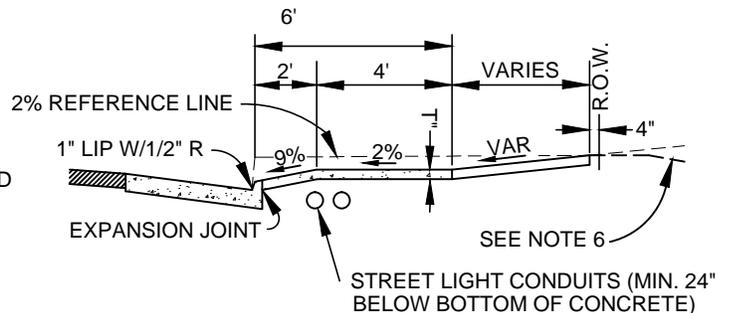


MIN.	MAX.	THICKNESS	REMARKS
W	W	T	
12'	30'	6"	SINGLE RES. ONLY



NOTES

1. SIDEWALKS PORTION TO BE SCORED TO MATCH SIDEWALK PATTERN (MAXIMUM 25 SQ. FT. PANELS).
2. ALL CONCRETE SHALL BE 560-C-3250, CURED WITH CURING COMPOUND.
3. SECONDARY DRIVEWAYS: 22' MINIMUM FULL HEIGHT CURB BETWEEN OPENINGS ON SAME PROPERTY. 6' MINIMUM TO PROPERTY LINE. SECONDARY DRIVEWAY SHALL NOT EXCEED 12'.
4. TOTAL MAXIMUM DRIVE APPROACH WIDTH SHALL NOT EXCEED 40% OF THE TOTAL LOT FRONTAGE; 50% OF THE TOTAL LOT FRONTAGE ON CUL-DE-SACS.
5. DRIVE APPROACHES OVER 20' WIDE SHALL BE SCORED 1 1/2" DEEP AT CENTER LINE.
6. INSTALL STREET LIGHT CONDUIT WITH STUB-OUTS ON EACH SIDE OF DRIVEWAY AS DIRECTED BY THE ENGINEER IN THE FIELD.
7. CONSTRUCT THE PROFILE GRADE OF THE PRIVATE ON-SITE DRIVEWAY SO THAT IT PROVIDES SMOOTH VEHICLE ACCESS OVER THE DRIVE APPROACH.
8. 4" MINIMUM THICK CLASS II BASE UNDER CONCRETE APRON COMPACTED TO 95%.



APPROVED BY:

Jonathan George Smith

8/6/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

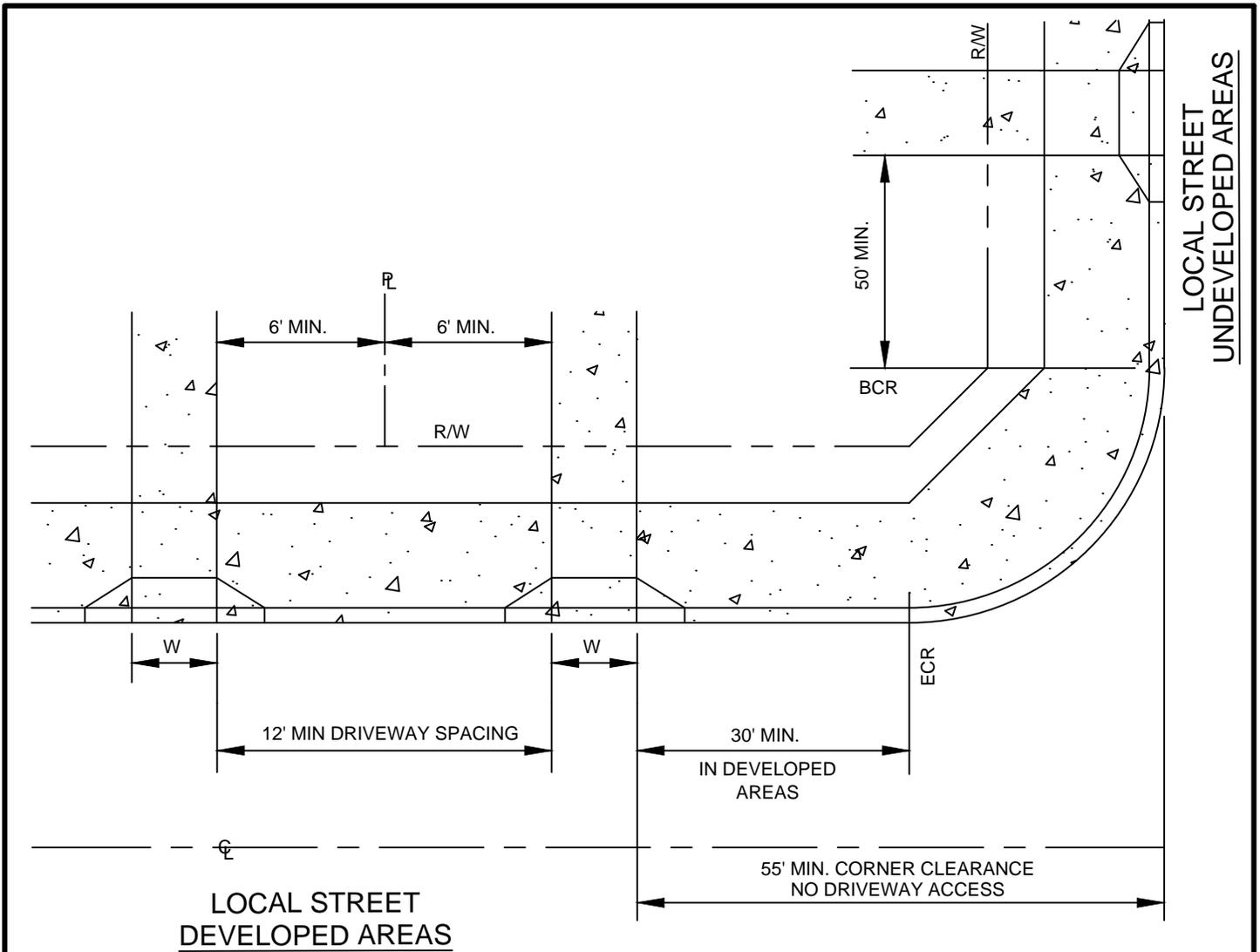


CITY OF MENIFEE

RESIDENTIAL DRIVEWAY
APPROACH
(NEW CONSTRUCTION)

STANDARD PLAN NO. 206 SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE
4	CG	JS	8/01/2016



NOTES:

1. IN DEVELOPED AREAS, CONSTRAINTS SUCH AS SMALL LOT FRONTAGE OR EXISTING ON-SITE IMPROVEMENTS MAY MAKE STRICT ADHERENCE TO THE ABOVE MINIMUM SPACING IMPRACTICAL SITUATIONS WILL BE REVIEWED ON A CASE BY CASE BASIS BY THE PUBLIC WORKS DIRECTOR.
2. MAXIMUM DRIVEWAY GRADE SHALL BE 12% FOR RESIDENTIAL AND 10% FOR COMMERCIAL OR INDUSTRIAL UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.
3. MAXIMUM GRADE BREAK BETWEEN DRIVEWAYS AND RIGHT-OF-WAY IMPROVEMENTS SHALL BE 14% FOR RESIDENTIAL AND 12% FOR COMMERCIAL AND INDUSTRIAL UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.
4. FOR RESIDENTIAL DRIVEWAYS SEE STANDARD PLAN No. 205 AND 206 FOR 'W' DIMENSION AND SPACING.
5. FOR COMMERCIAL DRIVEWAYS SEE STANDARD PLAN No. 208 FOR 'W' DIMENSION AND SPACING.
6. PUBLIC PEDESTRIAN ACCESS RAMPS SHALL NOT BE USED AS DRIVEWAY ACCESS UNDER ANY CIRCUMSTANCES.

APPROVED BY:

Jonathan George Smith

8/6/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



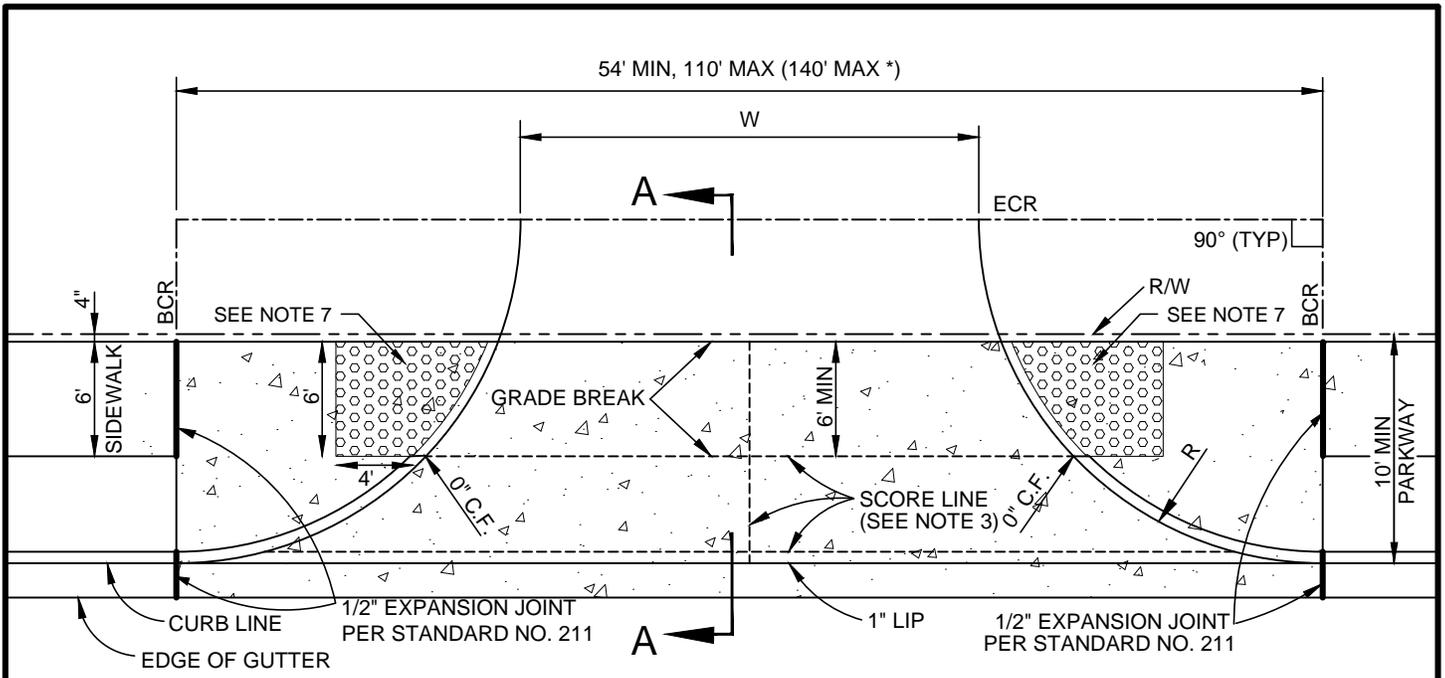
CITY OF MENIFEE

**RESIDENTIAL DRIVEWAY
APPROACH LOCATION**

STANDARD PLAN NO. **207**

SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE
1	ES / CEG	JS	8/20/2015



PLAN VIEW

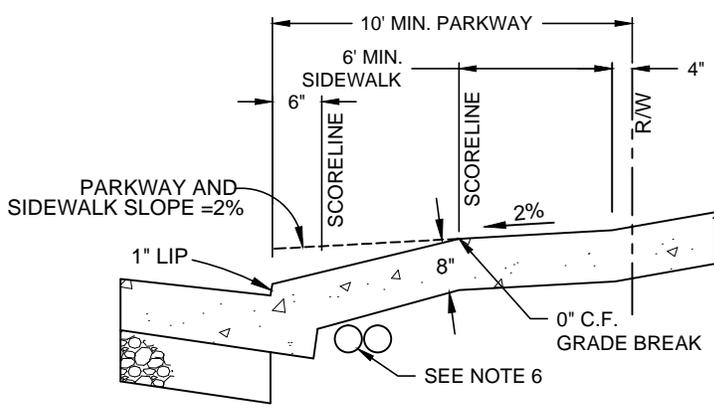
COMMERCIAL DRIVES
 W=20' MINIMUM
 W=40' MAXIMUM (OR AS APPROVED)

R=15' MINIMUM
 R=35' MAXIMUM
 (* MAY BE 50' FOR SERVICE ENTRANCES ONLY)

COMMERCIAL DRIVES SPACING

ROAD SPEED	*MIN. SPACING
20 MPH	85'
25 MPH	105'
30 MPH	125'
35 MPH	150'
40 MPH	185'
45 MPH	230'
50 MPH	275'

*ULTIMATE SPACING SUBJECT TO THE APPROVAL OF THE PUBLIC WORKS DIRECTOR



SECTION A-A

NOTES

1. DRIVEWAY APPROACH SHALL BE 8" P.C.C. CLASS "2" CONCRETE
2. 4" MIN. CLASS II BASE UNDER CONCRETE DRIVEWAY APPROACH COMPACTED TO 95% (MIN.)
3. APPROACHES SHALL BE SCORED 1 1/2" DEEP AT CENTER OFF APPROACH. ALL OTHER SCORE LINES SHALL BE 10'-0" (MAX.) O.C. SEE STANDARD PLAN 211
4. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, SPECIAL CONSIDERATIONS ARE REQUIRED.
5. BROOM FINISH ENTIRE APPROACH (PARALLEL WITH FLOW LINE)
6. INSTALL TWO 2" DIAMETER PVC STREET LIGHT CONDUIT (24" MIN. DEPTH BELOW CONCRETE)
7. TRUNCATED DOMES SHALL BE LOCATED AS SHOWN AND SHALL BE COLOR YELLOW. TRUNCATED DOMES SHALL BE SET IN CONCRETE, NO ADHESIVE SHALL BE ALLOWED. TRUNCATED DOMES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ADA.
8. MAXIMUM DRIVEWAY GRADE SHALL BE 10% AND MAXIMUM GRADE BREAK SHALL BE 12% UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.

APPROVED BY:

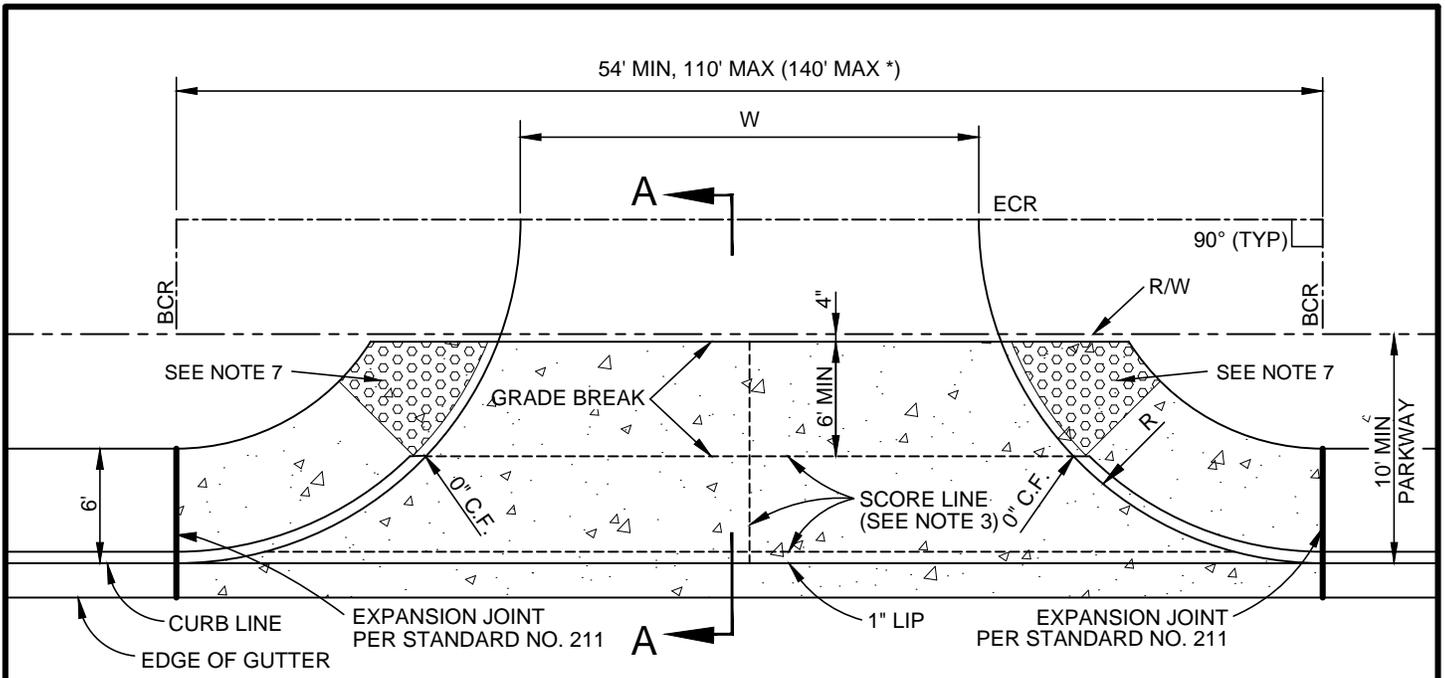
 8/6/2014
 DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH



CITY OF MENIFEE
COMMERCIAL DRIVEWAY
APPROACH
(WITH SIDEWALK AT R/W)

REVISION	BY:	APPROVED	DATE
2	ES / CEG	JS	8/01/2016

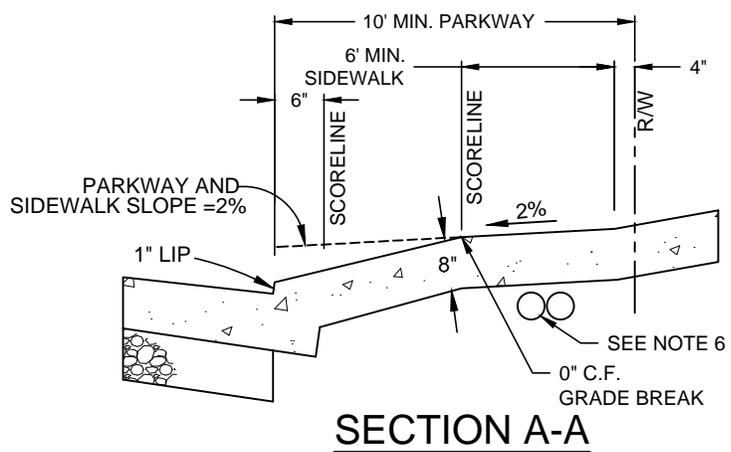
STANDARD PLAN NO. **208** SHEET **1** OF **2**



PLAN VIEW

COMMERCIAL DRIVES
 W=20' MINIMUM
 W=40' MAXIMUM (OR AS APPROVED)

R=15' MINIMUM
 R=35' MAXIMUM
 (* MAY BE 50' FOR SERVICE ENTRANCES ONLY)



SECTION A-A

COMMERCIAL DRIVES SPACING

ROAD SPEED	*MIN. SPACING
20 MPH	85'
25 MPH	105'
30 MPH	125'
35 MPH	150'
40 MPH	185'
45 MPH	230'
50 MPH	275'

*ULTIMATE SPACING SUBJECT TO THE APPROVAL OF THE PUBLIC WORKS DIRECTOR.

NOTES

1. DRIVEWAY APPROACH SHALL BE 8" P.C.C. CLASS "2" CONCRETE
2. 4" MIN. CLASS II BASE UNDER CONCRETE DRIVEWAY APPROACH COMPACTED TO 95% (MIN.)
3. APPROACHES SHALL BE SCORED 1 1/2" DEEP AT CENTER OFF APPROACH. ALL OTHER SCORE LINES SHALL BE 10'-0" (MAX.) O.C. SEE STANDARD PLAN 211
4. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, SPECIAL CONSIDERATIONS ARE REQUIRED.
5. BROOM FINISH ENTIRE APPROACH (PARALLEL WITH FLOW LINE)
6. INSTALL TWO 2" DIAMETER PVC STREET LIGHT CONDUIT (24" MIN. DEPTH BELOW CONCRETE)
7. TRUNCATED DOMES SHALL BE LOCATED AS SHOWN AND SHALL BE COLOR YELLOW. TRUNCATED DOMES SHALL BE SET IN CONCRETE, NO ADHESIVE SHALL BE ALLOWED. TRUNCATED DOMES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ADA.
8. MAXIMUM DRIVEWAY GRADE SHALL BE 10% AND MAXIMUM GRADE BREAK SHALL BE 12% UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.

APPROVED BY:

Jonathan George Smith

8/6/2014

DIRECTOR OF PUBLIC WORKS

JONATHAN GEORGE SMITH

DATE

REVISION	BY:	APPROVED	DATE
2	ES / CEG	JS	8/01/2015



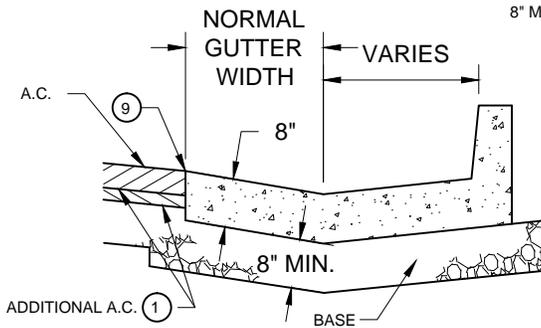
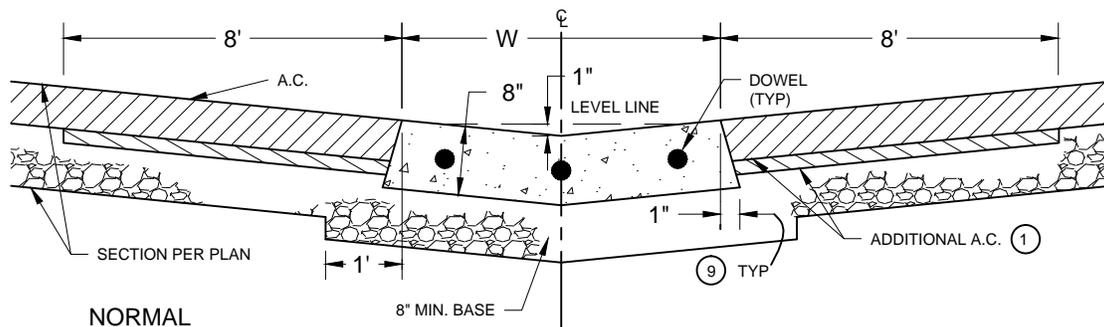
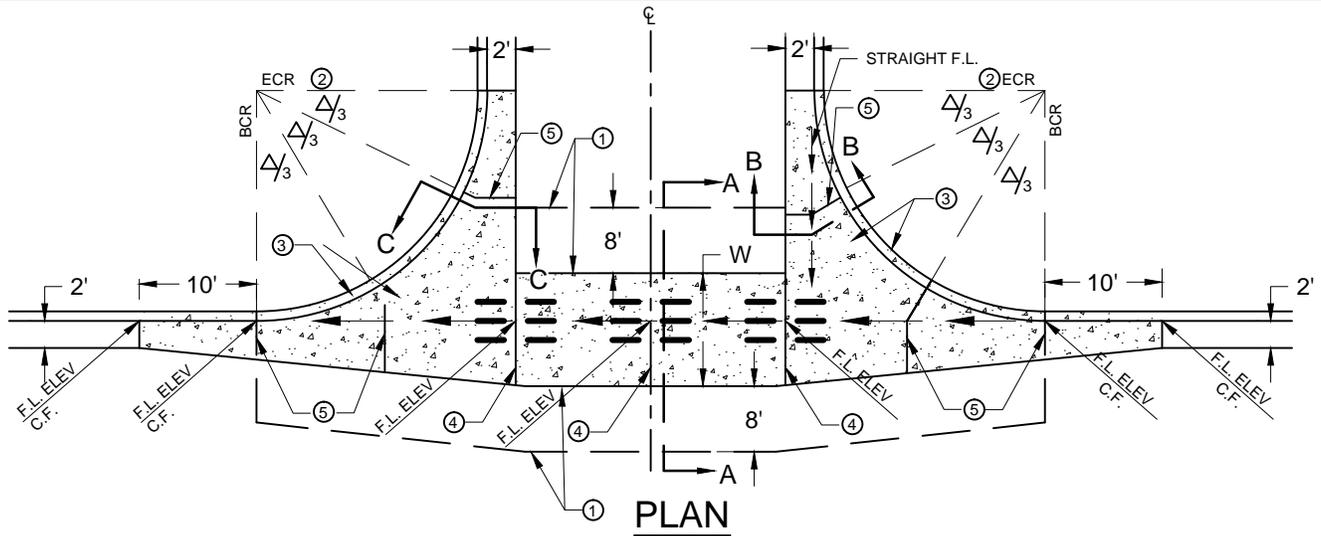
CITY OF MENIFEE

COMMERCIAL DRIVEWAY APPROACH

(WITH SIDEWALK AT CURB)

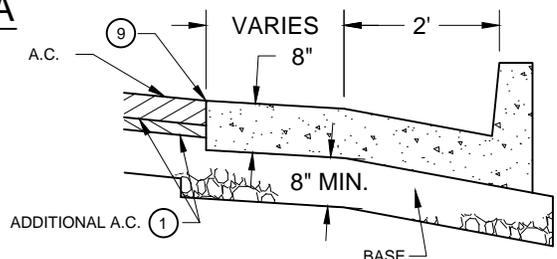
STANDARD PLAN NO. **208**

SHEET **2** OF **2**



SECTION A-A

SECTION B-B



SECTION C-C

NOTES

1. THICKENED PAVEMENT CONSISTS OF SPECIFIED STREET SECTION + 2" AC AT CONCRETE TAPERING (8' WIDE).
2. CURB RETURN RADIUS SHALL BE PER PLAN.
3. CURB RETURN, SPANDRELS, AND GUTTER SHALL BE POURED MONOLITHIC.
4. OPTIONAL COLD JOINT OR WEAKENED PLAIN JOINT. PROVIDE 3 NO. 4 SMOOTH STEEL DOWELS, 4' LONG AT EACH LOCATION SHOWN.
5. 1/2" DEEP SCORE LINE.
6. MINIMUM 8" OF TYPE 2 BASE REQUIRED UNDER ALL CONCRETE OR PER GEOTECHNICAL RECOMMENDATION, WHICHEVER IS GREATER.
7. NORMAL SPANDREL WIDTH (W) IS 8'. OPTIONAL W=6' MAY BE USED ONLY WITH SPECIAL APPROVAL BY THE DIRECTOR OF PUBLIC WORKS.
8. CONCRETE TO BE CLASS 560-C-3250, 4" MANDATORY SLUMP.
9. ALL CONCRETE ABUTTING A.C. SHALL BE CONSTRUCTED WITH A 1" BATTER.

APPROVED BY:

Jonathan George Smith

5/23/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

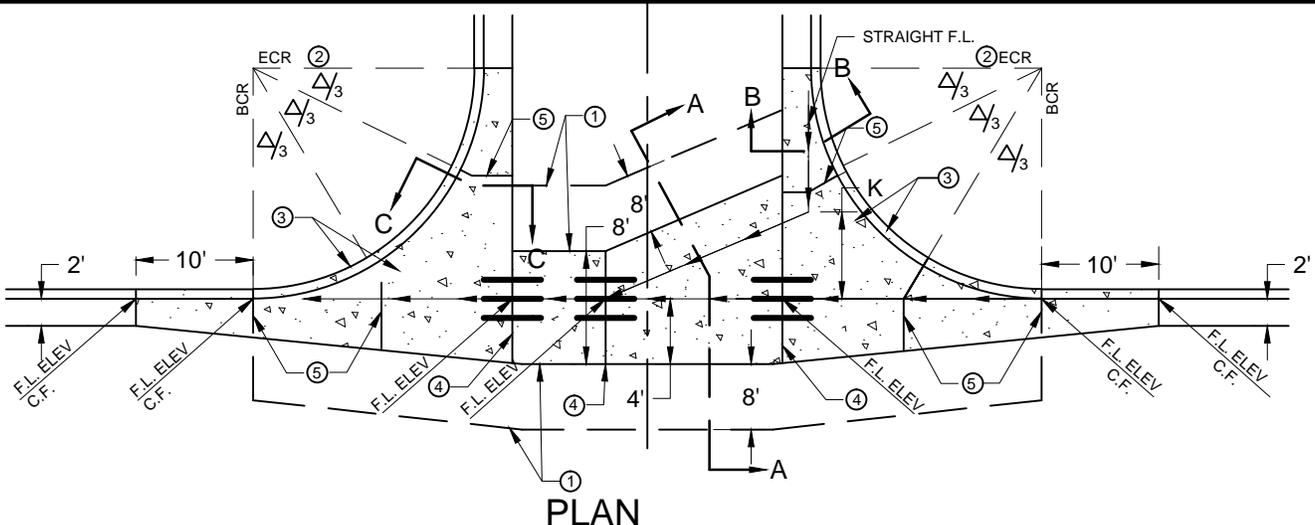


CITY OF MENIFEE

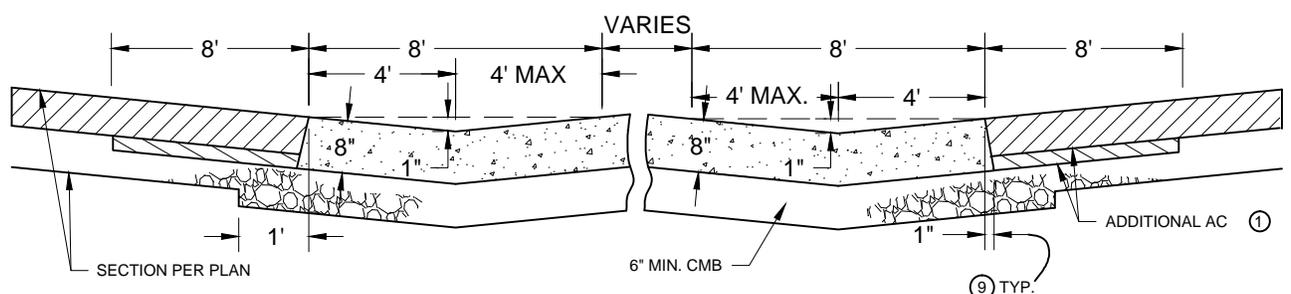
**CROSS GUTTER AND
SPANDREL**

STANDARD PLAN NO. **209** SHEET 1 OF 3

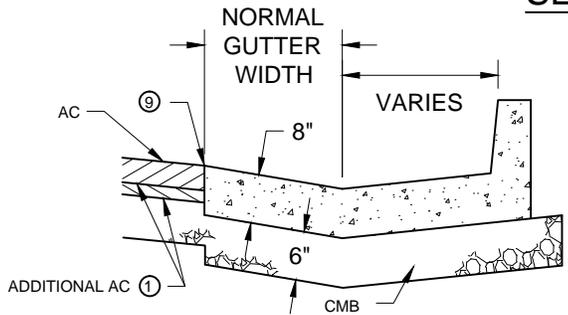
REVISION	BY:	APPROVED	DATE



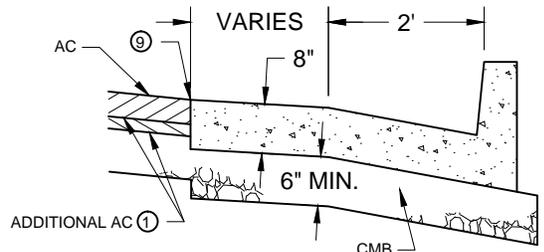
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

NOTES

1. THICKENED PAVEMENT CONSISTS OF SPECIFIED STREET SECTION + 2" AC AT CONCRETE TAPERING (8' WIDE).
2. CURB RETURN RADIUS SHALL BE PER PLAN.
3. CURB RETURN, SPANDRELS, AND GUTTER SHALL BE POURED MONOLITHIC.
4. OPTIONAL COLD JOINT OR WEAKENED PLAIN JOINT. PROVIDE 3 NO. 4 SMOOTH STEEL DOWELS, 4' LONG AT EACH LOCATION SHOWN.
5. 1/2" DEEP SCORE LINE.
6. MINIMUM 8" BASE REQUIRED UNDER ALL CONCRETE OR PER GEOTECHNICAL RECOMMENDATION, WHICHEVER IS GREATER.
7. NORMAL SPANDREL WIDTH (W) IS 8'. OPTIONAL W=6' MAY BE USED ONLY WITH SPECIAL APPROVAL BY THE DIRECTOR OF PUBLIC WORKS.
8. CONCRETE TO BE CLASS 560-C-3250, 4" MANDATORY SLUMP.
9. ALL CONCRETE ABUTTING A.C. SHALL BE CONSTRUCTED WITH A 1" BATTER.
10. CROSS GUTTERS SHALL NOT BE PLACED ON COLLECTOR STREETS OR ABOVE.

APPROVED BY:

Jonathan George Smith 5/23/2014
 DIRECTOR OF PUBLIC WORKS DATE
 JONATHAN GEORGE SMITH

REVISION	BY:	APPROVED	DATE



CITY OF MENIFEE

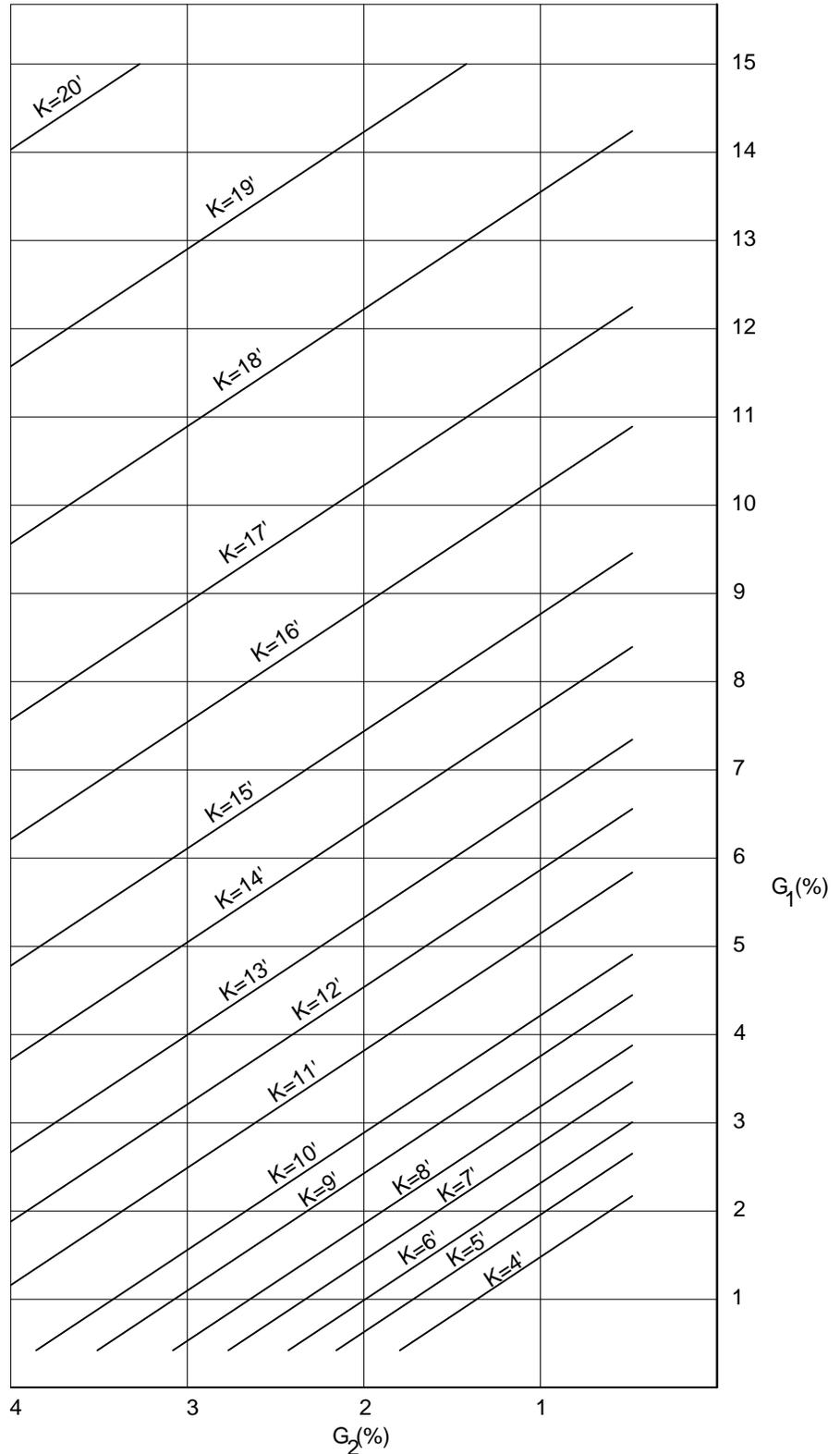
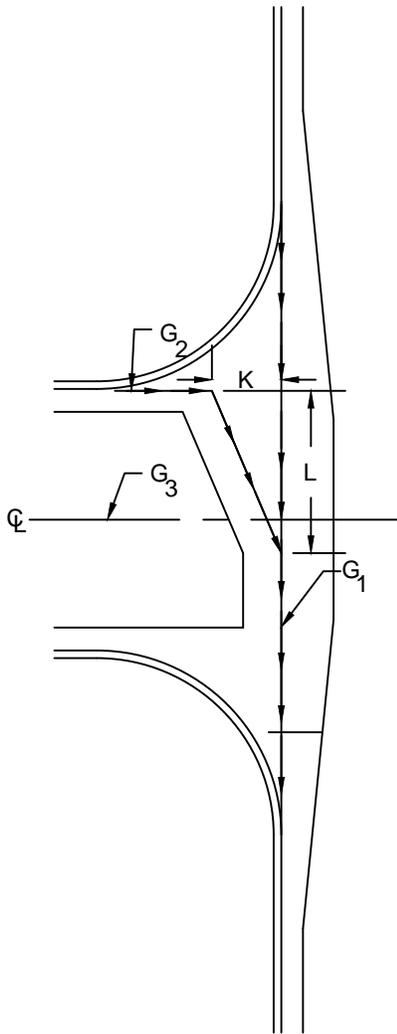
CROSS GUTTER AND SPANDREL (STEEP GRADES)

STANDARD PLAN NO. **209** SHEET **2** OF **3**

$$L = K \times \frac{G_1}{G_3}$$

L AND K IN FEET
TO BE SHOWN ON PLANS

G₁, G₂, AND G₃ IN %



APPROVED BY:

Jonathan G. Smith

5/23/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

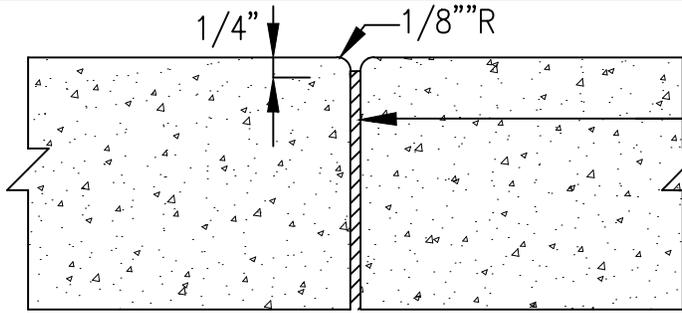


CITY OF MENIFEE

CROSS GUTTER AND
SPANDREL
(STEEP GRADES)

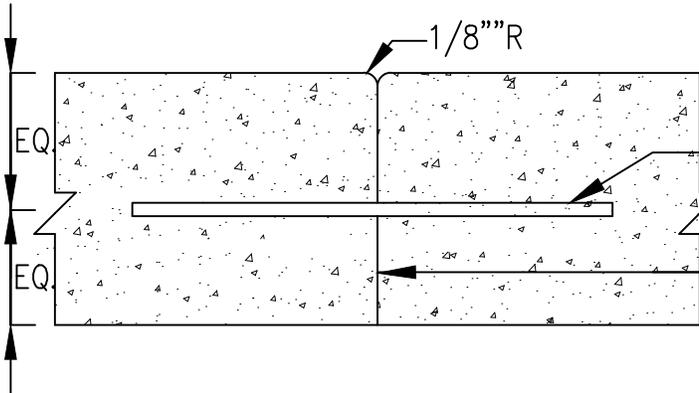
STANDARD PLAN NO. 209 SHEET 3 OF 3

REVISION	BY:	APPROVED	DATE



EXPANSION JOINT

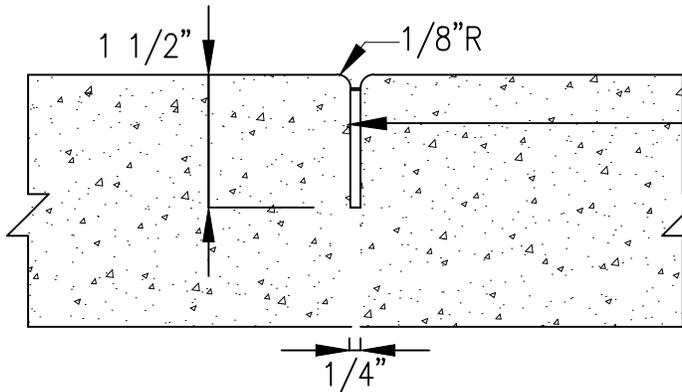
PREMOLDED EXPANSION JOINT FILLER
(PAVEMENT = 1/2-INCH, SIDEWALK = 3/8-INCH)
WHERE SHOWN ON PLAN (CURB RETURNS,
ADJACENT TO STRUCTURES)



CONSTRUCTION JOINT

#4 X 24-INCH REBAR @ 30 INCHES O.C.

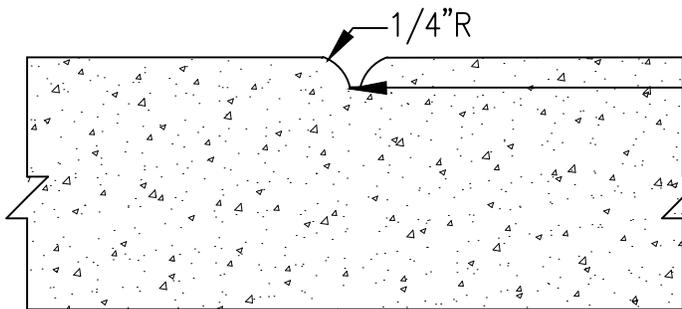
CONTACT JOINT



WEAKENED PLANE JOINT

@ 5-FEET O.C. FOR WALKWAYS AND
@ 10-FEE O.C. FOR CURBS

**SECTION
NO SCALE**



SCORE JOINT

1/2-INCH X 1/2-INCH TOOLED SCORE JOINT
@ 5-FEET O.C. FOR WALKWAYS.
SEE PLAN FOR OTHER LOCATIONS

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

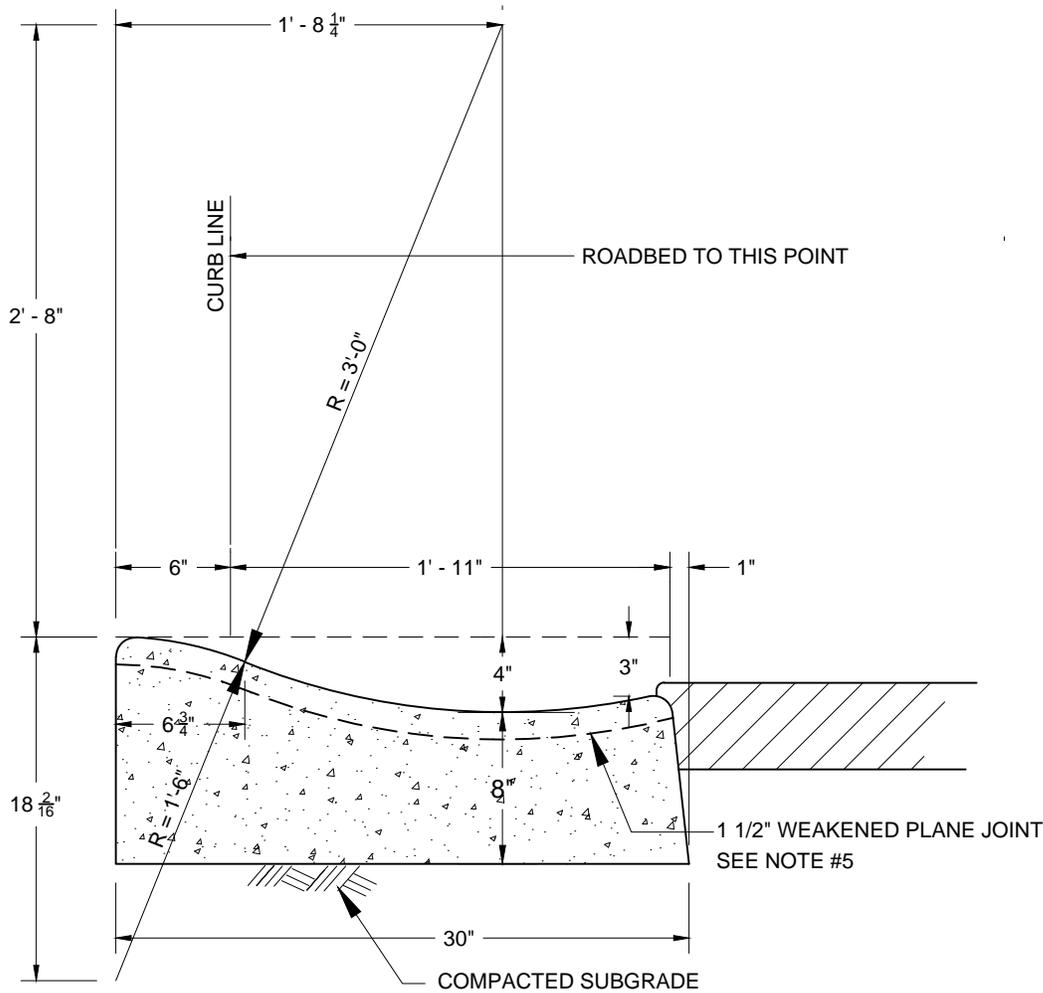
DATE



CITY OF MENIFEE

CONCRETE JOINT

REVISION	BY:	APPROVED	DATE



NOTES:

1. CONCRETE SHALL BE CLASS 560-C-3250 PCC; CURED WITH CURING COMPOUND.
2. ALL EXPOSED CORNERS SHALL BE FINISHED WITH 1/2" RADIUS.
3. FINISH SHALL BE FINE BROOM.
4. EXISTING PCC SHALL BE SAWCUT AT WEAKENED PLANE JOINT PRIOR TO REMOVAL.
5. CURBS SHALL HAVE WEAKENED PLANE JOINTS AT 10' INTERVALS; NO SCORELINES ALLOWED.
6. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, FINISHING WORK SHALL PROVIDE AN ACCEPTABLE FINISH.
7. A MINIMUM 2' WIDE AC PAVEMENT REPAIR PATCH IS REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO EXISTING AC PAVEMENT, OR AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

APPROVED BY:

Jonathan George Smith

1/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

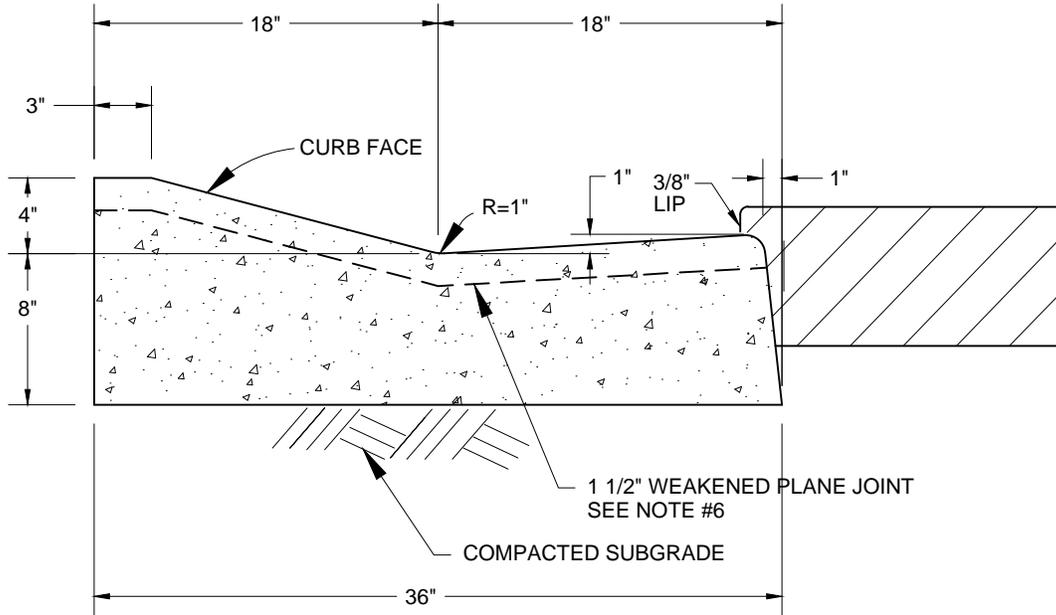


CITY OF MENIFEE

TYPE C CURB
AND GUTTER

STANDARD PLAN NO. 212 SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE



NOTES:

1. CONCRETE SHALL BE CLASS 560-C-3250 PCC; CURED WITH CURING COMPOUND.
2. ALL EXPOSED CORNERS SHALL BE FINISHED WITH 1/2" RADIUS.
3. FINISH SHALL BE FINE BROOM.
4. ALL GUTTERS MUST HAVE 4" WIDE SHINER AT FLOW LINE.
5. EXISTING PCC SHALL BE SAWCUT AT WEAKENED PLANE JOINT PRIOR TO REMOVAL.
6. CURBS SHALL HAVE WEAKENED PLANE JOINTS AT 10' INTERVALS; NO SCORELINES ALLOWED.
7. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, FINISHING WORK SHALL PROVIDE AN ACCEPTABLE FINISH.
8. A MINIMUM 2' WIDE AC PAVEMENT REPAIR PATCH IS REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO EXISTING AC PAVEMENT, OR AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

APPROVED BY:

Jonathan George Smith

1/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

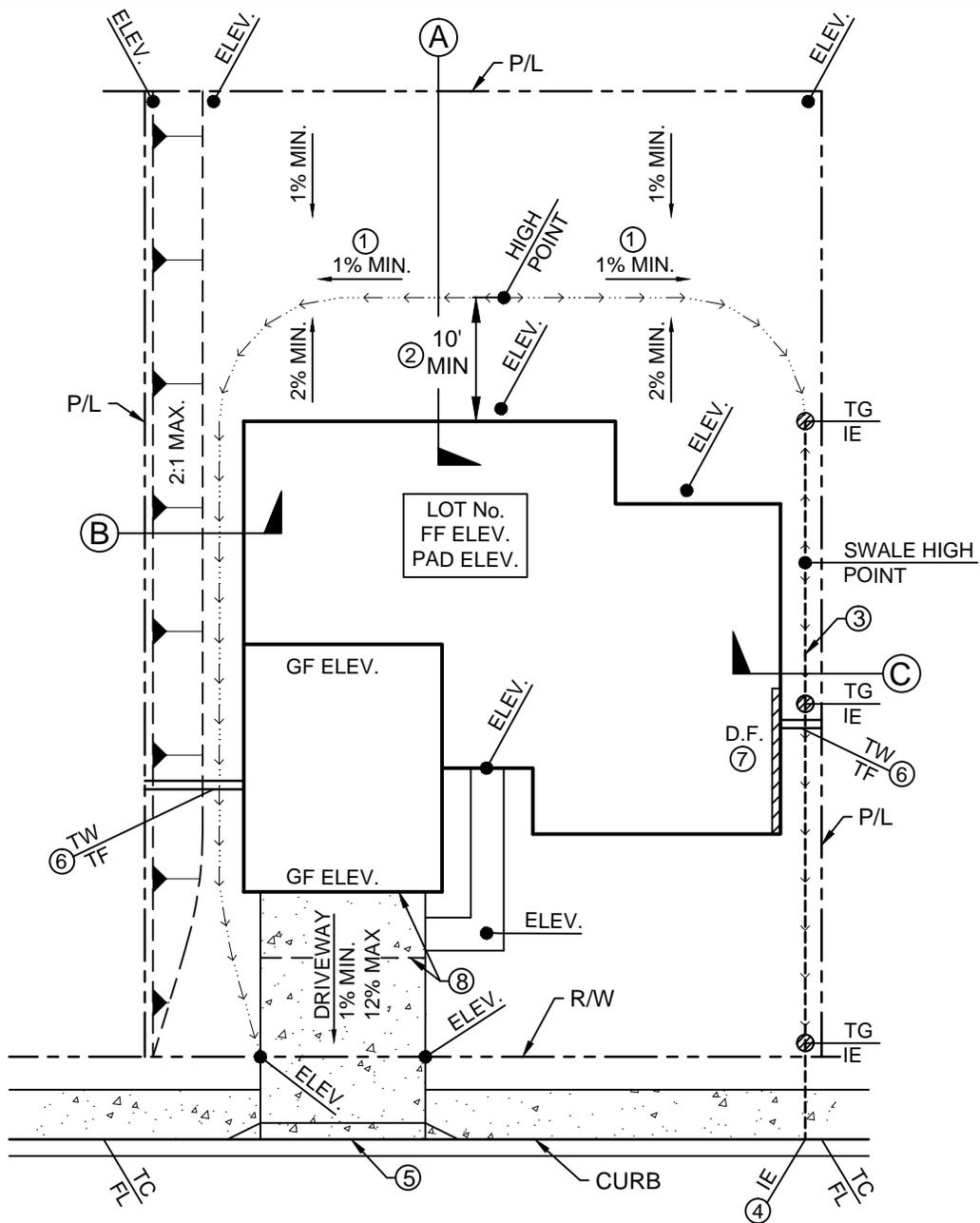


CITY OF MENIFEE

**TYPE D CURB
AND GUTTER**

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **213** SHEET **1** OF **1**



NOTES:

1. BACKYARD AND SIDE SWALES TO BE GRADED AT 1% MIN.
2. HIGH POINT SHALL BE LOCATED AT 10' MIN FROM BUILDING (15' PREFERRED)
3. 3" DIA. MIN. PVC PIPE, WHERE NEEDED. DRAINAGE PIPE SHALL HAVE 0.50% MIN. SLOPE
4. SEE CITY STANDARD 301 FOR UNDERSIDEWALK CURB DRAIN.
5. SEE CITY STANDARD 206 FOR DRIVEWAY APPROACHES.
6. PROVIDE 6' HIGH MIN. CONCRETE BLOCK WALL. PROVIDE A ONE BLOCK OPENING AT SWALE LINE FOR DRAINAGE, EVEN IF AREA DRAIN INLETS ARE INSTALLED.
7. PROVIDE DEEPEINED FOOTING AS NEEDED.
8. PROVIDE A 8' MIN. LANDING AT 5% MAX. FOR DRIVEWAYS OVER 10%

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

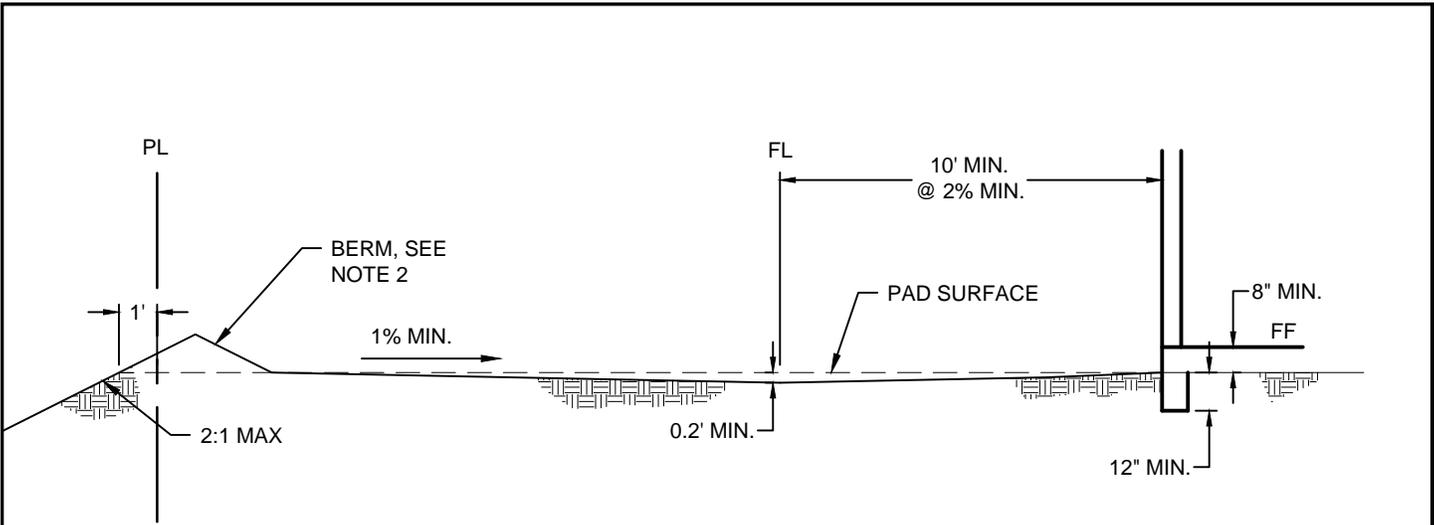


CITY OF MENIFEE

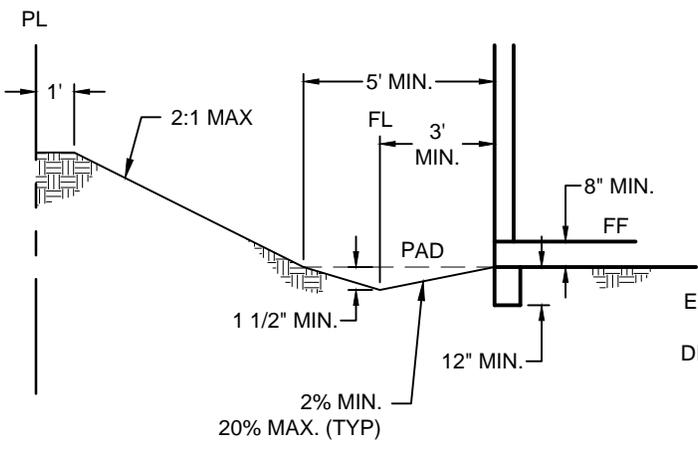
**RESIDENTIAL LOT
GRADING**

STANDARD PLAN NO. **300** SHEET **1** OF **2**

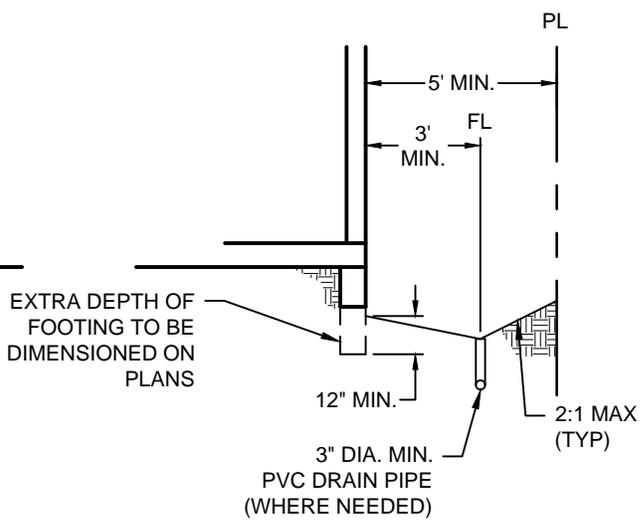
REVISION	BY:	APPROVED	DATE



SECTION "A"



SECTION "B"



SECTION "C"

NOTES:

1. IN NO CASE SHALL THE SWALE FLOWLINE BE LOWER THAN THE BOTTOM OF THE FOOTING WITHIN 5' FROM BUILDING LINE
2. PROVIDE 4' WIDE BY 1' HIGH EARTH BERM AT THE TOP OF ALL FILL SLOPES OVER 5' HIGH.
3. BUILDING FINISH FLOOR CAN BE 6" ABOVE GROUND IF A CONCRETE SLAB IS PROVIDED PER 2007 CBC SECTION 2304.11.2.2

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

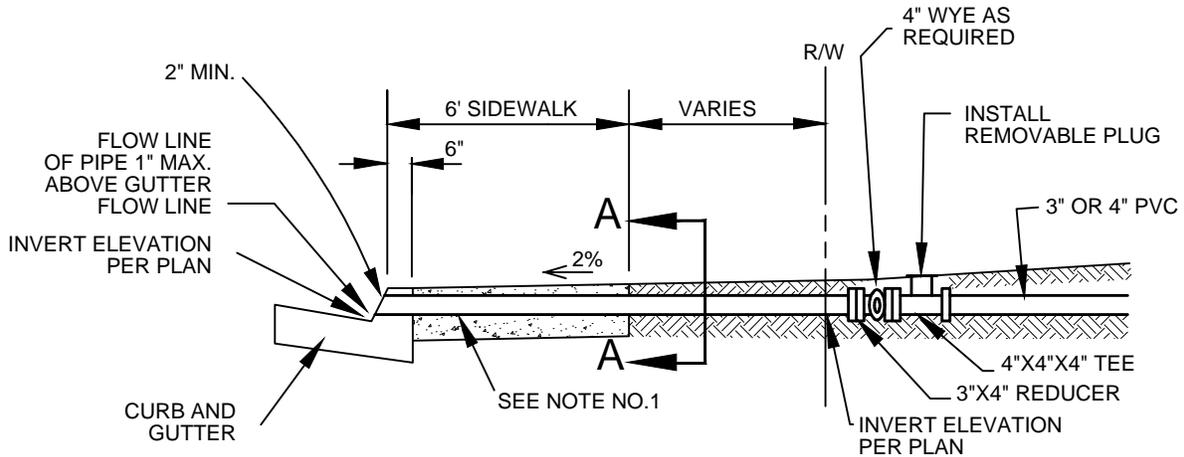
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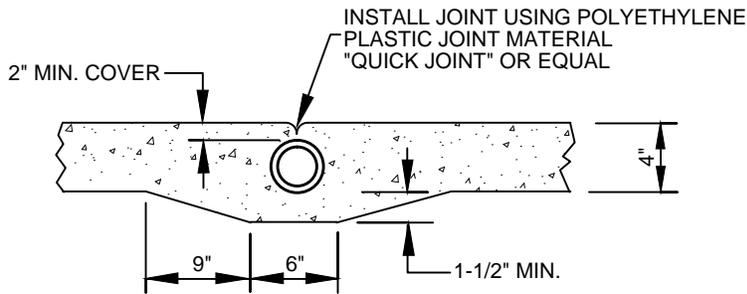
CITY OF MENIFEE

**RESIDENTIAL LOT
GRADING**

REVISION	BY:	APPROVED	DATE
4/14/2015	CEG	JS	4/15/2015



ELEVATION



SIDEWALK SECTION "A-A"

NOTES:

1. DRAINS SHALL BE 3 INCH DIA. P.V.C. PIPE (SCHEDULE 40) OR RECTANGULAR CAST IRON BOX FOR 6 INCH CURB FACE AND 4 INCH DIA. P.V.C. PIPE (SCHEDULE 40) OR RECTANGULAR CAST IRON BOX FOR 8 INCH CURB FACE.
2. THE CURB SHALL BE CORED FOR ALL DRAIN PIPES.
3. THE NUMBER OF PIPES AT ANY LOCATION SHALL NOT EXCEED 4 @ 12" O.C.

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

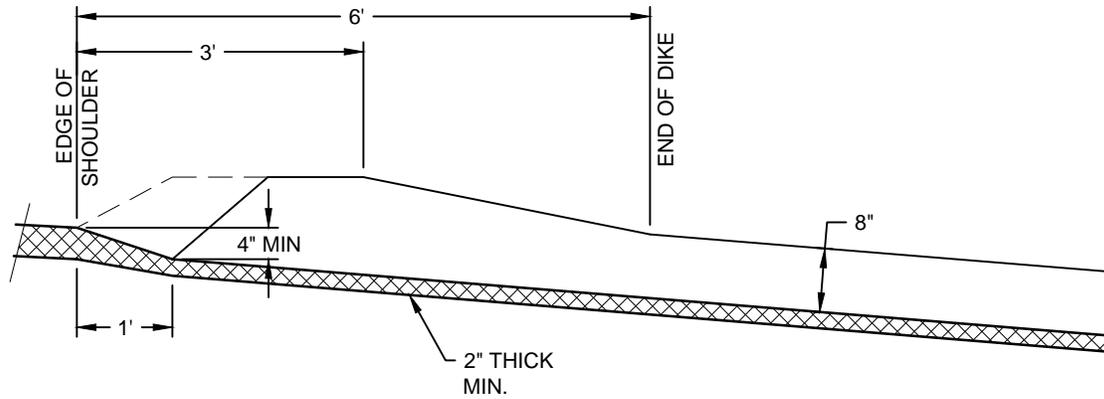


CITY OF MENIFEE

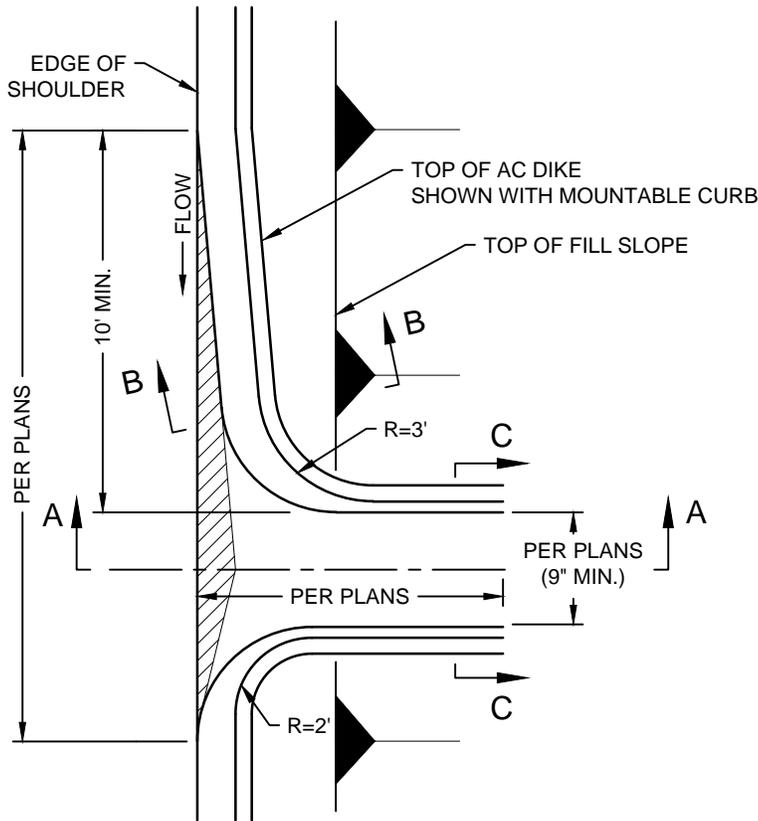
UNDERSIDEWALK DRAIN

REVISION	BY:	APPROVED	DATE

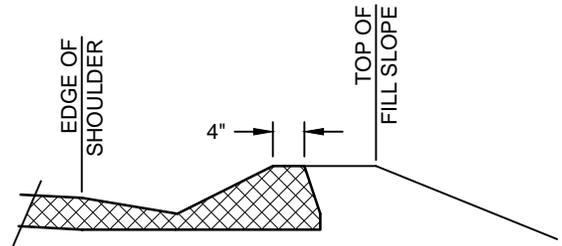
STANDARD PLAN NO. **301** SHEET **1** OF **1**



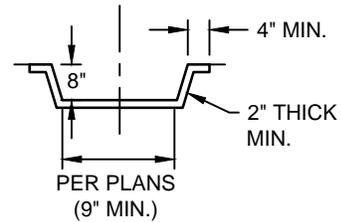
SECTION "A-A"



PLAN VIEW



SECTION "B-B"



SECTION "C-C"
SEE NOTE 2

NOTES:

1. TO BE USED ON FILL SLOPES FLATTER THAN 4:1 USE MIN. 10' LENGTH OF GUTTER ON BOTH SIDES IN A SAG LOCATION. USE PIPE DOWNDRAINS FOR SLOPES STEEPER THAN 4:1
2. CROSS SECTION OF SLOPE DITCH MAY BE SEMICIRCULAR, VEE OR TRAPEZOIDAL

APPROVED BY:

Jonathan George Smith

3/25/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

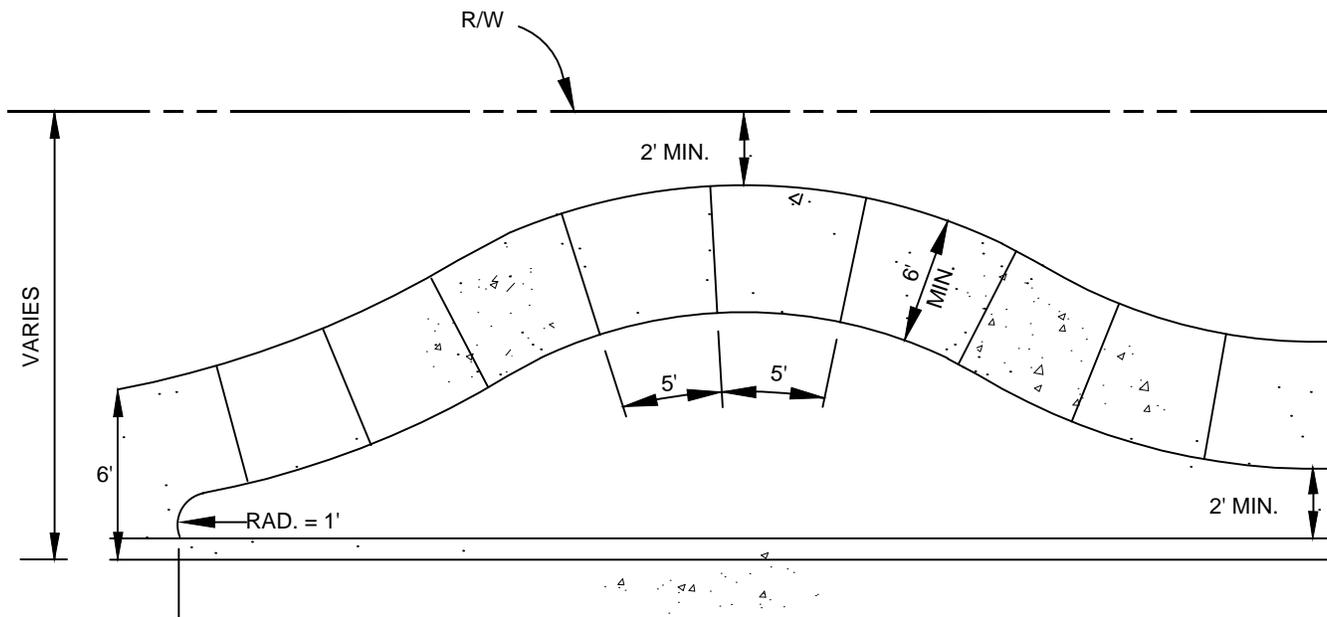


CITY OF MENIFEE

ASPHALT CONCRETE
OVERSIDE DRAIN

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **303** SHEET **1** OF **1**



SIDEWALK SHALL MEANDER AS DETERMINED BY THE PUBLIC WORKS DIRECTOR

NOTES:

1. SEE STANDARD PLAN NO. 400 FOR ADDITIONAL NOTES
2. THICKNESS OF SIDEWALK SHALL BE 4" EXCEPT IN DRIVEWAY APRONS WHERE 6" IS REQUIRED FOR RESIDENTIAL DRIVEWAYS AND 8" IS REQUIRED FOR COMMERCIAL AND INDUSTRIAL DRIVEWAYS.
3. CONCRETE SHALL BE CLASS 560-C-3250, CURED WITH CURING COMPOUND.
4. PARKWAY FROM CURB TO PROPERTY LINE TO BE BROUGHT TO GRADE BY CONTRACTOR BEFORE FINAL APPROVAL AND COMPACTED 90%.
5. SIDEWALKS SHALL BE FORMED IN SUCH A MANNER AS TO MAINTAIN 36" MINIMUM OF UNOBSTRUCTED PEDESTRIAN WAY AT ALL LOCATIONS, INCLUDING BUT NOT LIMITED TO ELECTROLIERS, POWER POLES, AND FIRE HYDRANTS.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

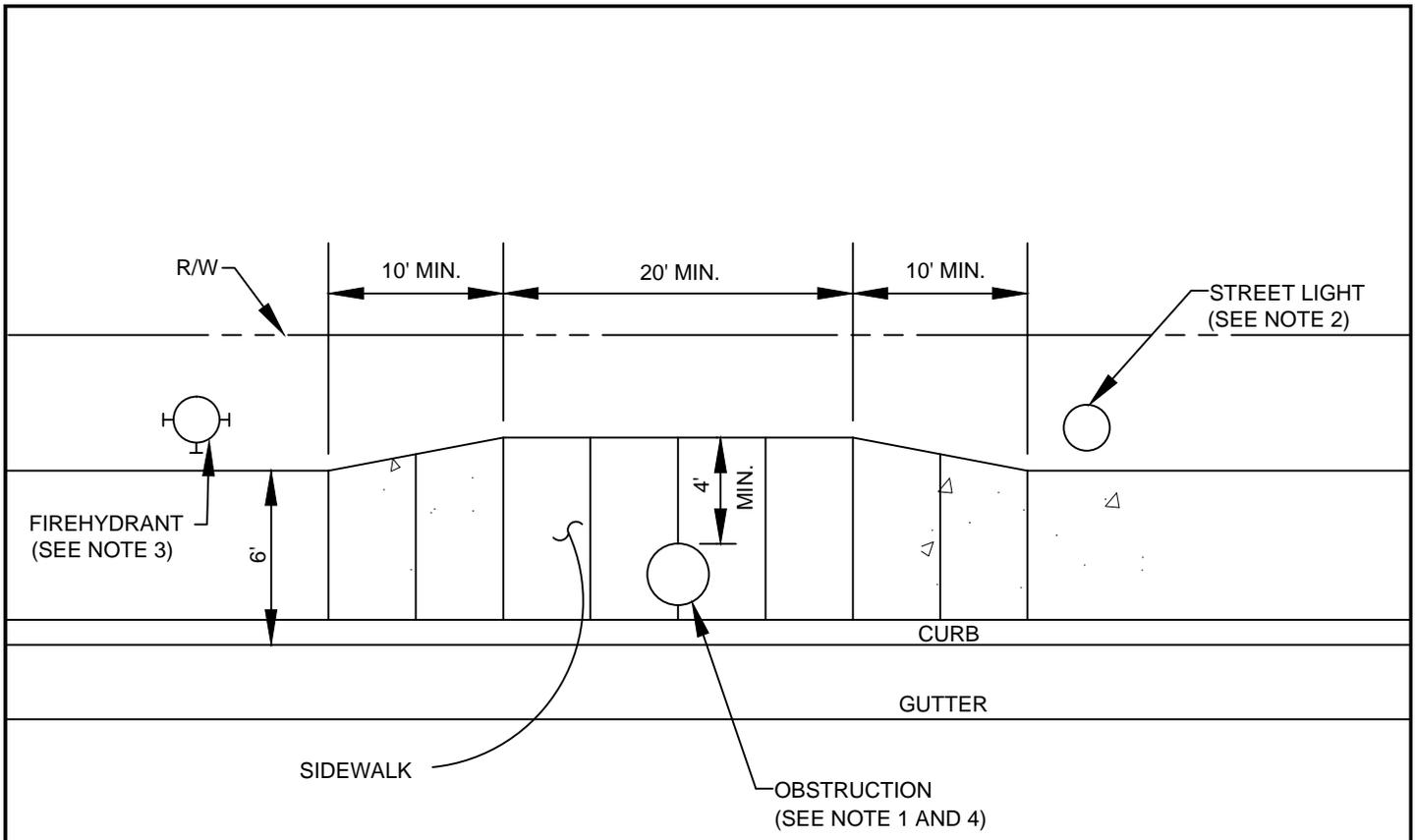


CITY OF MENIFEE

MEANDERING SIDEWALK

REVISION	BY:	APPROVED	DATE
1	CEG	JS	8/01/2016

STANDARD PLAN NO. 401 SHEET 1 OF 1



NOTE:

1. TRANSMISSION POWER POLE (GUY AND LINE, FOR CIRCUITS THAT EXCEED 34 kV):
 - FACE OF POLE SHALL BE PLACED 1'-6" BEHIND CURB LINE.
 - SIDEWALK WIDENING REQUIRED - SEE DETAIL.
 - PREFERRED LOCATION IS BEHIND SIDEWALK WHEN ALLOWED.
 - AERIAL CONDUCTORS ARE TYPICALLY REQUIRED TO BE RELOCATED TO AN UNDERGROUND LOCATION.
2. STREET LIGHTS SHALL BE LOCATED 7.5 FEET FROM CURB LINE TO CENTER.
3. FIRE HYDRANT SHALL BE LOCATED 7.5 FEET FROM CURB LINE TO CENTER. FIRE HYDRANT SHALL HAVE 3' MIN. CLEARANCE FROM ANY OBSTRUCTION INCLUDING LANDSCAPING.
4. OTHER MISCELLANEOUS OBSTRUCTIONS (SUCH AS MAILBOXES, SIGNS, SIGNAL POLES, ETC) SHALL BE LOCATED 1'-6" FROM CURB LINE TO FACE OF OBSTRUCTION.
5. SEE STANDARD PLAN NO. 400 FOR ADDITIONAL NOTES

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

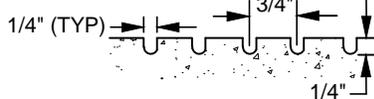
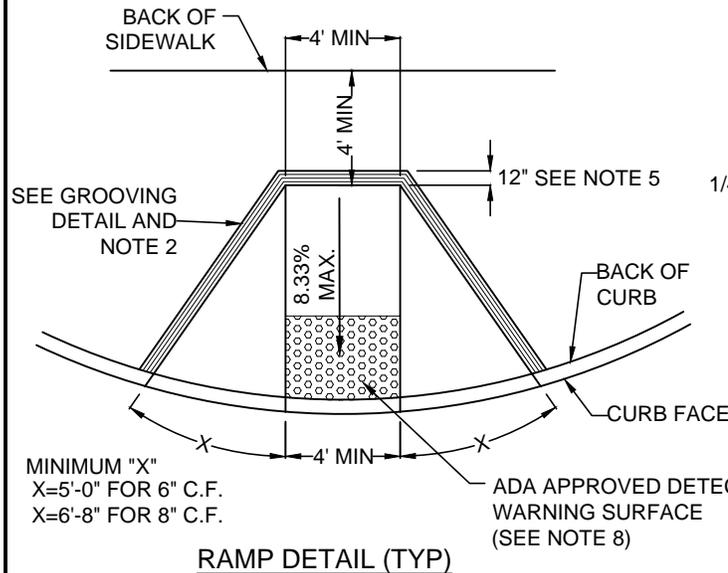
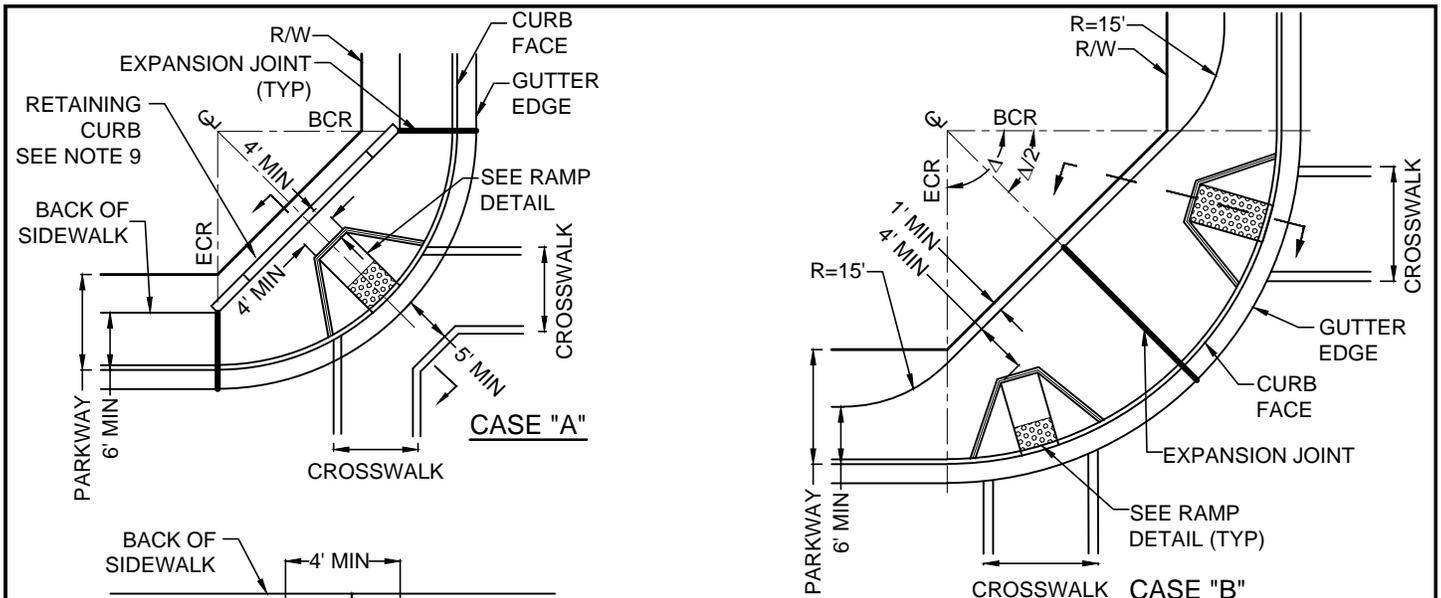


CITY OF MENIFEE

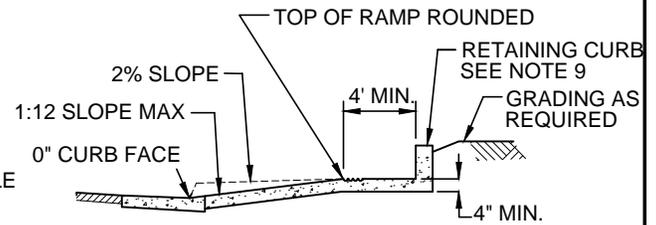
**SIDEWALK PLACEMENT
AROUND OBSTRUCTIONS**

REVISION	BY:	APPROVED	DATE
1	CEG	JS	8/01/2016

STANDARD PLAN NO. **402** SHEET **1** OF **1**



GROOVING DETAIL



CROSS SECTIONAL VIEW

*FOR LONGITUDINALLY DEPRESSED SIDEWALK

CASE "B"
FOR CURB RETURNS
GREATER THAN 25' RADIUS
AND AS APPROVED BY THE
CITY ENGINEER

NOTES:

1. ALL ACCESS RAMPS SHALL BE CONSTRUCTED TO THE MOST CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS/CALIFORNIA CODE OF REGULATIONS TITLE 24-ACCESSIBILITY REGULATIONS. ADJUSTMENTS SHALL BE MADE IN THE FIELD TO ACHIEVE RAMP CONDITIONS.
2. CONCRETE SHALL BE CLASS 560-C-3250, CURED WITH CLEAR CURING COMPOUND.
3. A LEVEL 4' MINIMUM DEPTH LANDING IS REQUIRED AT THE TOP OF THE RAMP OVER THE ENTIRE RAMP WIDTH. CROSS SLOPE OF LANDING MAY NOT EXCEED 1:50 (2.0%).
4. X SHALL HAVE A MAXIMUM SLOPE OF 10% AT THE CURB LINE.
5. GROOVED BORDER SHALL BE 1' WIDE ALONG THE TOP AND SIDES OF THE RAMP AT THE LEVEL SURFACE OF THE SIDEWALK. OMIT GROOVES ADJACENT TO NON-PAVED AREAS.
6. RAMP SURFACE AND FLARED SIDES SHALL BE SLIP-RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM ADJACENT SIDEWALK (MEDIUM BROOM FINISH OR EQUIVALENT).
7. DIMENSIONS SHOWN FOR SLOPING PORTIONS OF RAMP VARY DUE TO FIELD CONDITIONS.
8. THE CENTER PORTION OF ALL PEDESTRIAN RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE IN ACCORDANCE WITH THE LATEST EDITION OF ADA. DETECTABLE WARNING SURFACE SHALL BE COLOR YELLOW AND SHALL BE SET IN CONCRETE, NO ADHESIVE SHALL BE ALLOWED. DETECTABLE WARNING SURFACE SHALL COVER THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP.
9. RETAINING CURB BEHIND RAMP SHALL BE CONSTRUCTED AT ALL RESIDENTIAL DEVELOPMENTS AND SHALL BE 8" MIN. HIGH TRANSITIONING TO 0" AT THE EDGES.

APPROVED BY:

Jonathan George Smith
2/5/2014
DIRECTOR OF PUBLIC WORKS DATE
JONATHAN GEORGE SMITH

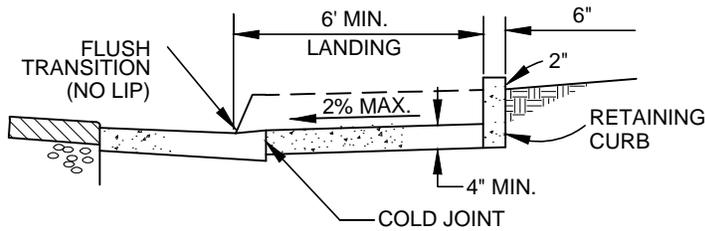


CITY OF MENIFEE

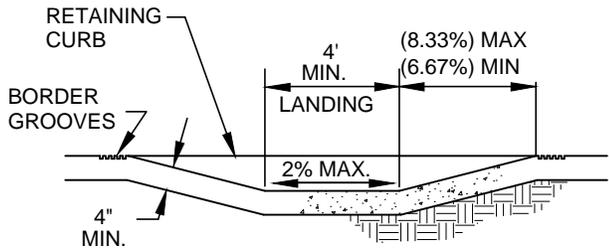
PEDESTRIAN RAMP TYPE I

REVISION	BY:	APPROVED	DATE
2	ES/CG	JS	8/01/2016

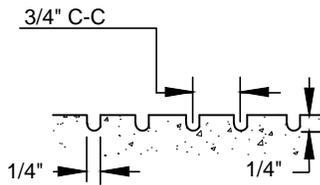
STANDARD PLAN NO. **405** SHEET 1 OF 1



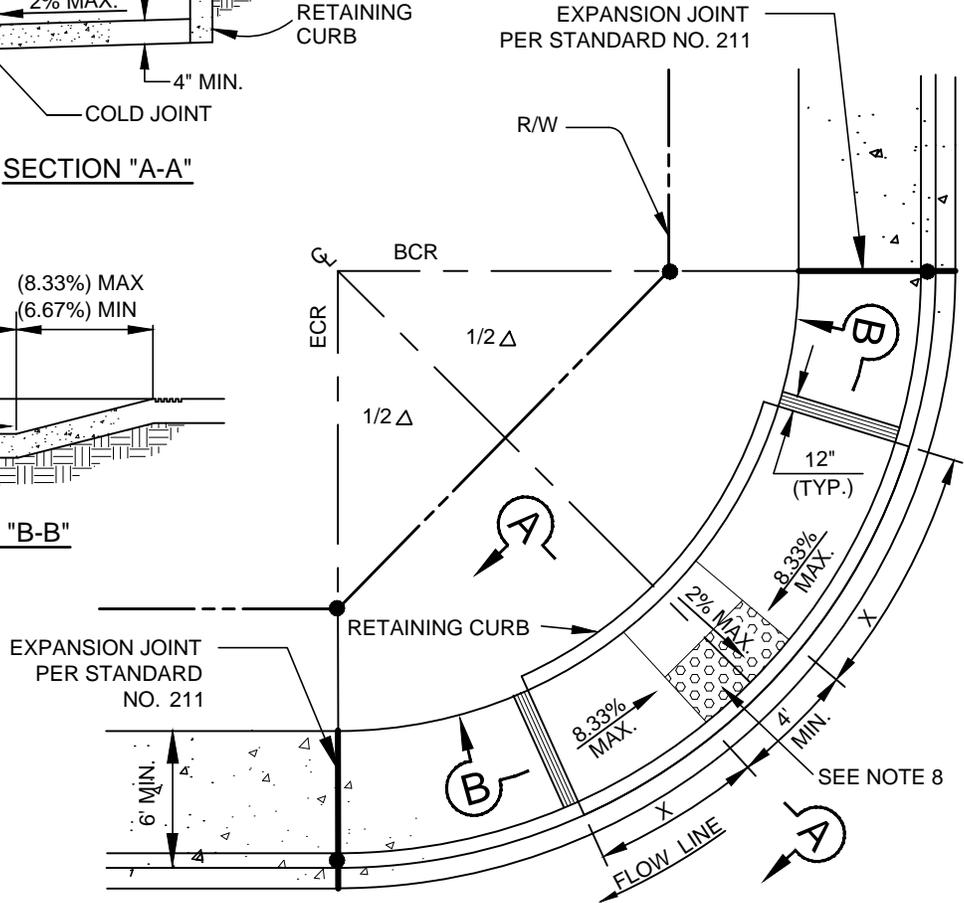
SECTION "A-A"



SECTION "B-B"



GROOVING DETAIL



NOTES:

1. ALL ACCESS RAMPS SHALL BE CONSTRUCTED TO THE MOST CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS/CALIFORNIA CODE OF REGULATIONS TITLE 24-ACCESSIBILITY REGULATIONS. ADJUSTMENTS SHALL BE MADE IN THE FIELD TO ACHIEVE RAMP CONDITIONS.
2. CONCRETE SHALL BE CLASS 560-C-3250, CURED WITH CLEAR CURING COMPOUND.
3. A LEVEL 4' MINIMUM DEPTH LANDING IS REQUIRED AT THE TOP OF THE RAMP OVER THE ENTIRE RAMP WIDTH. CROSS SLOPE OF LANDING MAY NOT EXCEED 1:50 (2.0%).
4. X SHALL HAVE A MAXIMUM SLOPE OF 8.33%.
5. GROOVED BORDER SHALL BE 1' WIDE ALONG THE TOP AND SIDES OF THE RAMP AT THE LEVEL SURFACE OF THE SIDEWALK. OMIT GROOVES ADJACENT TO NON-PAVED AREAS.
6. RAMP SURFACE AND FLARED SIDES SHALL BE SLIP-RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM ADJACENT SIDEWALK (MEDIUM BROOM FINISH OR EQUIVALENT).
7. DIMENSIONS SHOWN FOR SLOPING PORTIONS OF RAMP VARY DUE TO FIELD CONDITIONS.
8. THE CENTER PORTION OF ALL PEDESTRIAN RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE IN ACCORDANCE WITH THE LATEST EDITION OF ADA. DETECTABLE WARNING SURFACE SHALL BE COLOR YELLOW AND SHALL BE SET IN CONCRETE, NO ADHESIVE SHALL BE ALLOWED. DETECTABLE WARNING SURFACE SHALL COVER THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

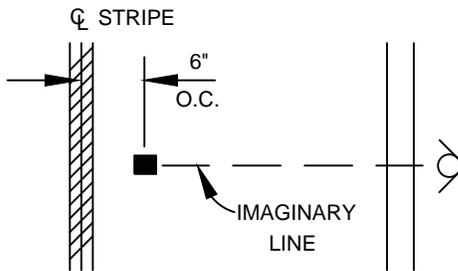
PEDESTRIAN RAMP TYPE II

STANDARD PLAN NO. 406 SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE
2	ES / CG	JS	8/01/2016

"BLUE DOT" TYPE I MARKER PLACEMENT NOTES

1. THE REFLECTIVE SIDE SHALL FACE THE FLOW OF TRAFFIC.
2. THE "BLUE DOT" SHALL BE IN LINE WITH THE FIRE HYDRANT, EXCEPT WHERE TWO (2) DOTS ARE USED FOR INTERSECTIONS.
3. A BLUE REFLECTIVE MARKER WILL BE PLACED 6" ON CENTER FROM PAINTED LINES. IF NO TRAFFIC LINES EXIST, PLACE BLUE DOT 6" FROM CENTER OF THE STREET ON THE FIRE HYDRANT SIDE. (SEE STANDARD PLACEMENT DETAIL HEREON.)
4. IF A PAINTED TRAFFIC LIMIT LINE FOR STOP SIGNS EXISTS, PLACE THE SECOND "BLUE DOT" 2 FEET BACK FROM LINE, 6" ON CENTER FROM PAINTED TRAFFIC LIMIT LINE.
5. IF NO TRAFFIC LIMIT LINE FOR STOP SIGNS EXISTS, PLACE "BLUE DOT" IN LINE WITH SIDEWALK EDGE ON THE SIDE CLOSEST TO PROPERTY LINE, 6" ON CENTER FROM THE CENTER OF THE STREET LINE.
6. THE "BLUE DOT" SHALL BE APPLIED TO A DRY, DIRT FREE STREET AND ENOUGH ADHESIVE SHALL BE APPLIED SO THAT SOME ADHESIVE Oozes OUT AROUND THE EDGES OF THE "BLUE DOT".



UNMARKED STREETS: PLACE MARKER 6" FROM EDGE OF IMAGINARY LINE OF STREET ON HYDRANT SIDE.

MARKED STREETS: PLACE MARKER 6" FROM CENTERLINE OF PAINTED LINE TO CENTERLINE OF MARKER ON HYDRANT SIDE.

 — FIRE HYDRANT

 — BLUE MARKER

"BLUE DOT" TYPE I MARKER PLACEMENT

APPROVED BY:



3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



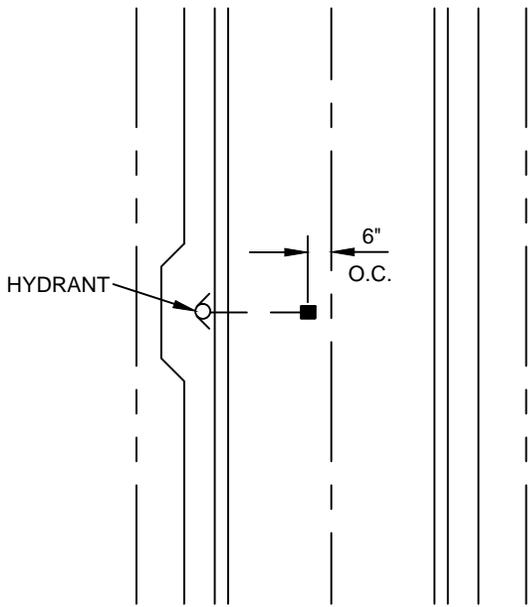
CITY OF MENIFEE

**"BLUE DOT" TYPE I
MARKER PLACEMENT**

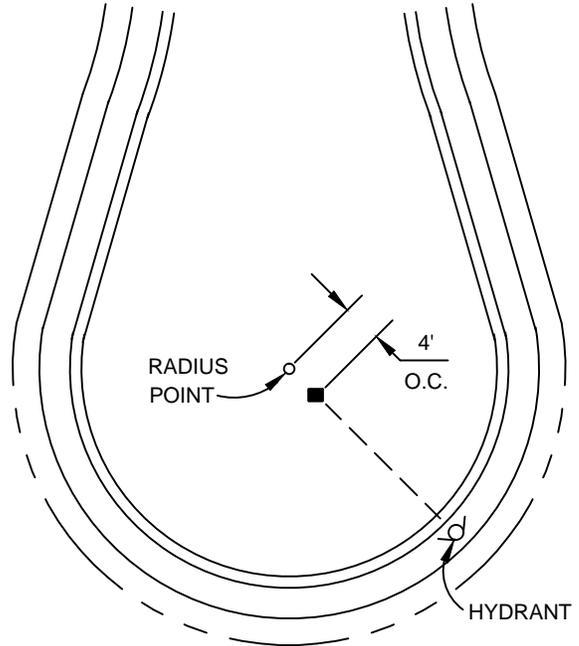
STANDARD PLAN NO. **705** SHEET **1** OF **3**

REVISION	BY:	APPROVED	DATE

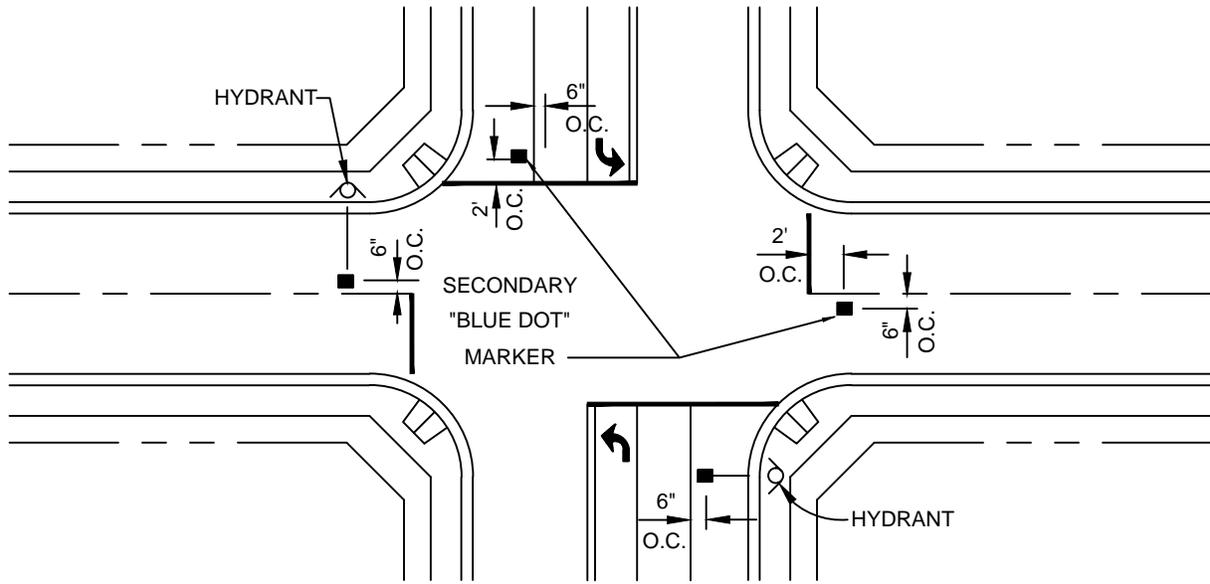
☐ STREET OR CENTER STRIPE



TWO LANE STREET



CUL-DE-SAC



STREET INTERSECTION

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



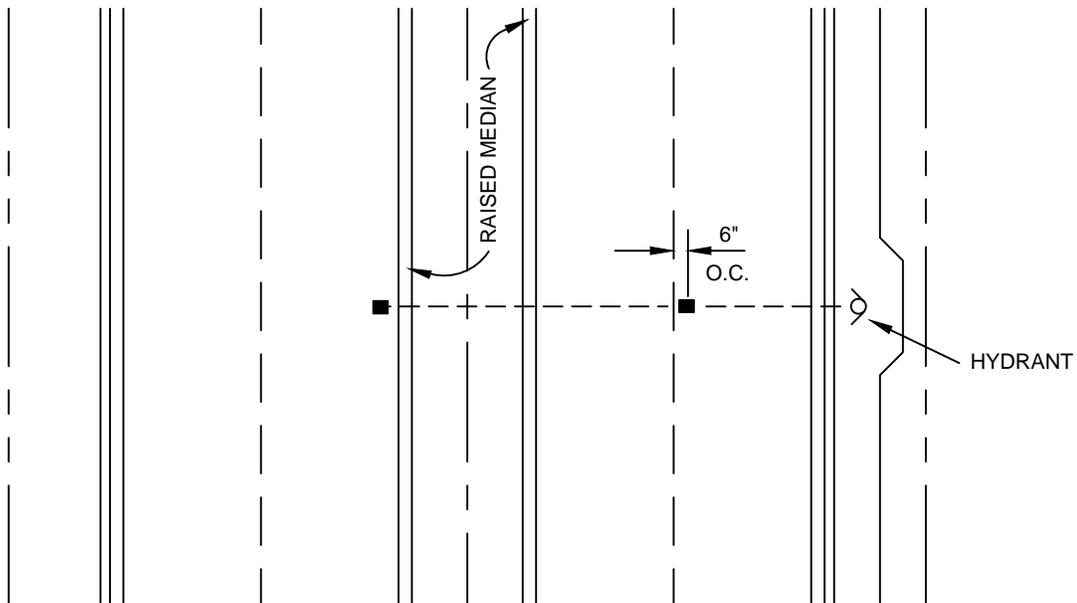
CITY OF MENIFEE

"BLUE DOT" TYPE I
MARKER PLACEMENT
LOCAL STREETS

STANDARD PLAN NO. 705 SHEET 2 OF 3

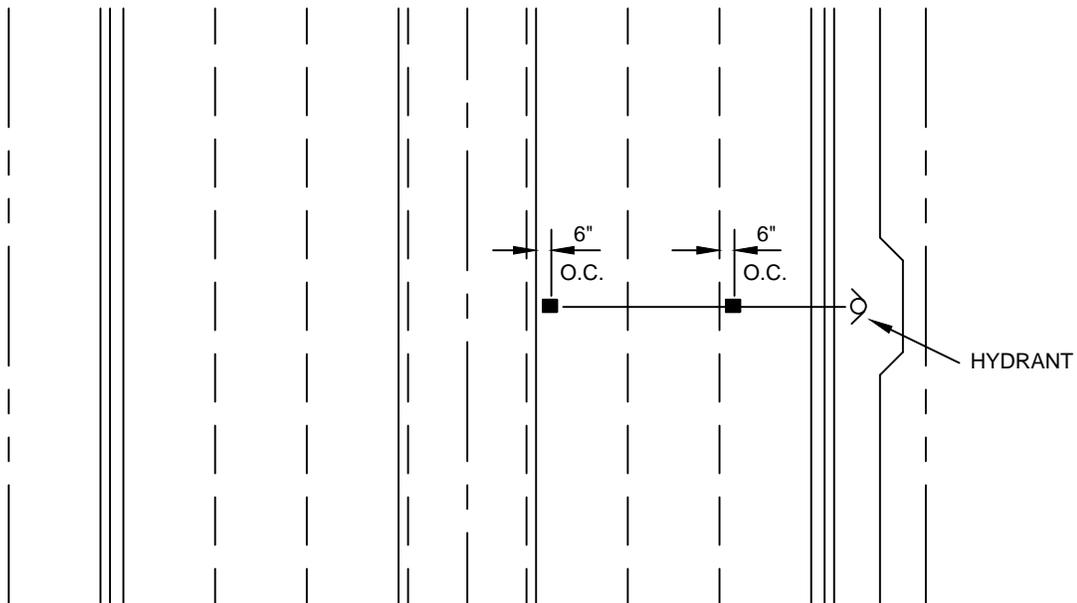
REVISION	BY:	APPROVED	DATE

☉ STREET



DIVIDED STREET

☉ STREET



STREET WITH TURN LANE

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

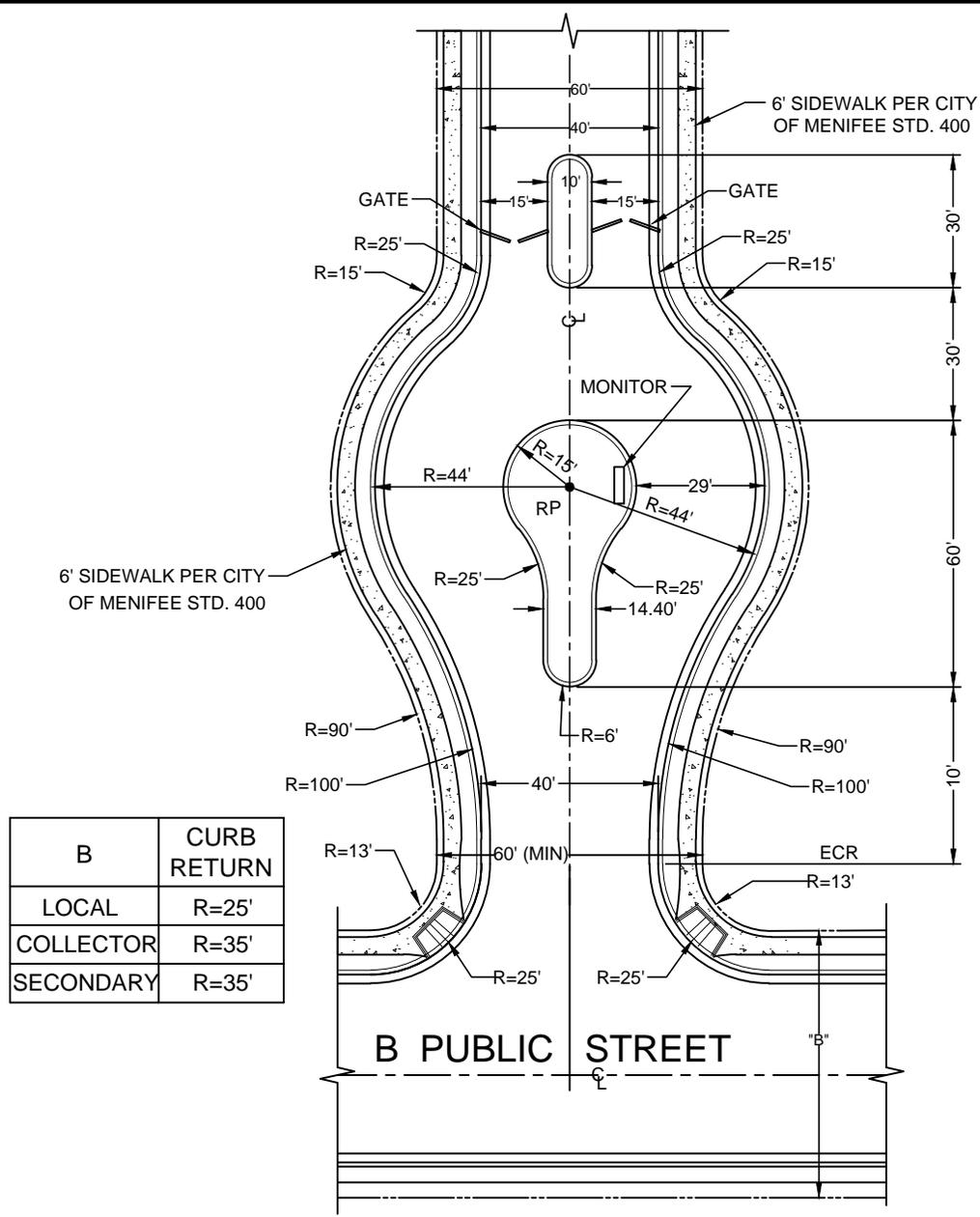


CITY OF MENIFEE

"BLUE DOT" TYPE I
MARKER PLACEMENT
STREET WITH MEDIAN

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. 705 SHEET 3 OF 3



NOTES:

1. PRIVATE STREETS SHALL BE PERMITTED ONLY AS APPROVED BY THE PUBLIC WORKS DIRECTOR.
2. PRIVATE STREETS SHALL PROVIDE A PAVED TRAVEL WAY IN CONFORMANCE WITH STANDARD PLAN 110. WALKWAYS SHALL BE PROVIDED ON ALL PRIVATE STREETS IN CONFORMANCE WITH STANDARD PLAN 142 UNLESS AN ALTERNATE PEDESTRIAN CIRCULATION SYSTEM IS PROVIDED MEETING THE APPROVAL OF THE PUBLIC WORKS DIRECTOR.
3. REQUIRED PAVEMENT STRUCTURAL SECTION SHALL BE DETERMINED BY THE PUBLIC WORKS DIRECTOR.
4. ALL GATES SHALL BE EQUIPPED WITH A KNOX KEY SWITCH OR PADLOCK.

APPROVED BY:

 8/15/2015
 DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

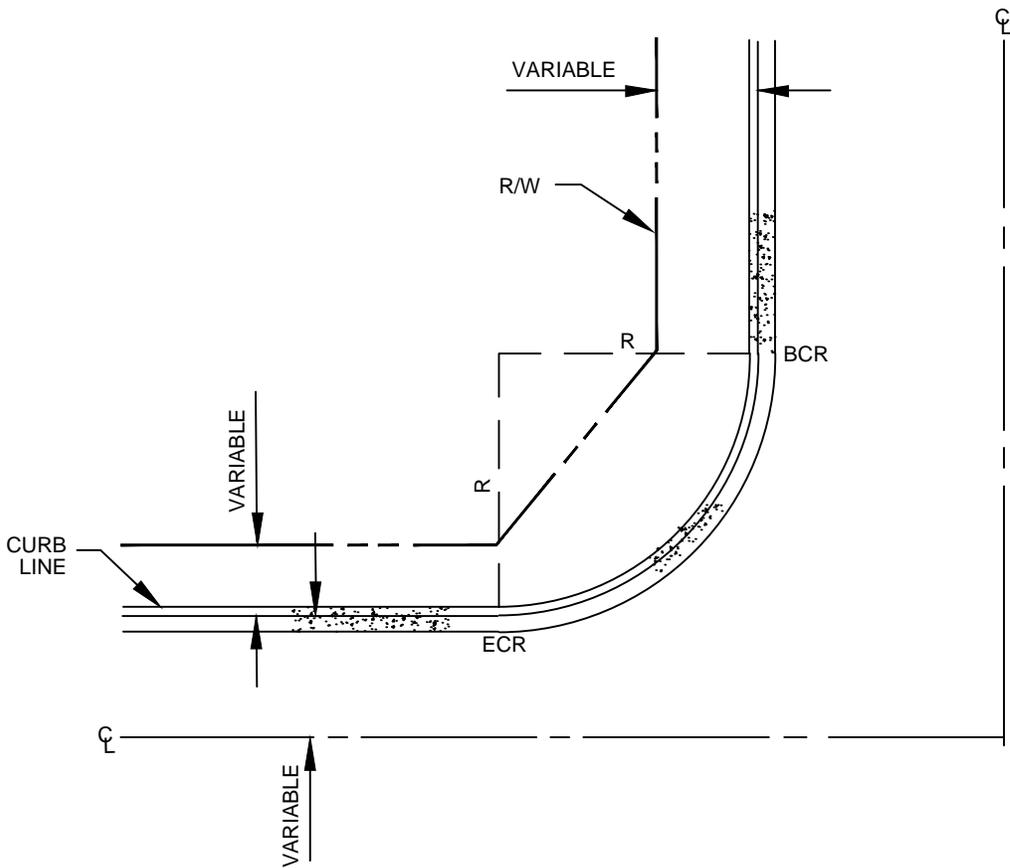


CITY OF MENIFEE

PRIVATE STREET GATE STANDARD

STANDARD PLAN NO. **802** SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE
1	CEG	JS	2/15/2016



R = 25' IF BOTH INTERSECTING STREETS HAVE A WIDTH LESS THAN 64 FEET CURB TO CURB.

R = 35' IF EITHER INTERSECTING STREET IS AN INDUSTRIAL COLLECTOR STREET OR HAS A WIDTH EQUAL TO OR GREATER THAN 64' CURB TO CURB, EXCEPT IN CASES WHERE SPECIAL DESIGN EXISTS.

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

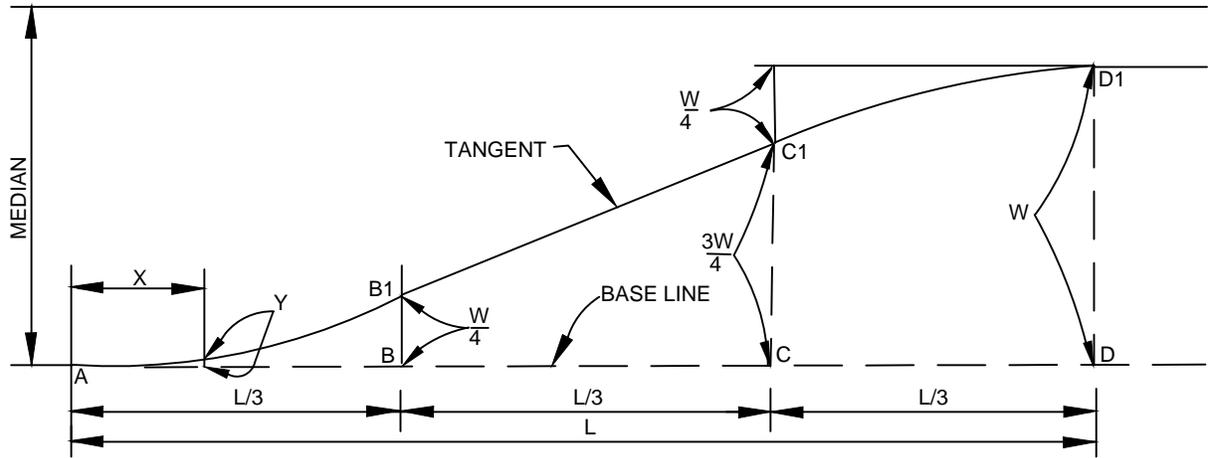


CITY OF MENIFEE

PROPERTY LINE:
CORNER CUT-BACK

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **803** SHEET **1** OF **1**



$$Y = 2.25W \left(\frac{X}{L} \right)^2$$

L=LENGTH OF TAPER
 W=MAXIMUM OFFSET DISTANCE
 X=DISTANCE ALONG BASELINE
 Y=OFFSET FROM BASELINE

L	DISTANCE X												
	60'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'	55'	60'
72'	6'	12'	18'	24'	30'	36'	42'	48'	54'	60'	66'	72'	
90'	7.5'	15'	22.5'	30'	37.5'	45'	52.5'	60'	67.5'	75'	82.5'	90'	
W	OFFSET Y												
	10'	0.16'	0.62'	1.41'	2.50'	3.75'	5.00'	6.25'	7.50'	8.59'	9.38'	9.84'	10.00'
	11'	0.17'	0.69'	1.55'	2.75'	4.13'	5.50'	6.88'	8.25'	9.45'	10.31'	10.83'	11.00'
	12'	0.19'	0.75'	1.69'	3.00'	4.50'	6.00'	7.50'	9.00'	10.31'	11.25'	11.81'	12.00'

NOTE:

1. TO DETERMINE OFFSET DISTANCE FOR ANY LENGTH OF TAPER USE THE FORMULA $Y = 2.25W \left(\frac{X}{L} \right)^2$ FOR THE PORTIONS A-B1 AND C1-D1 WHICH ARE PARABOLIC CURVES. THE PORTION B1-C1 IS A TANGENT. WHEN THE BASE LINE IS CURVED, THE OFFSETS ARE APPLIED TO THE CURVED BASE LINE, AND B1-C1 IS NO LONGER A TANGENT.

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

DATE

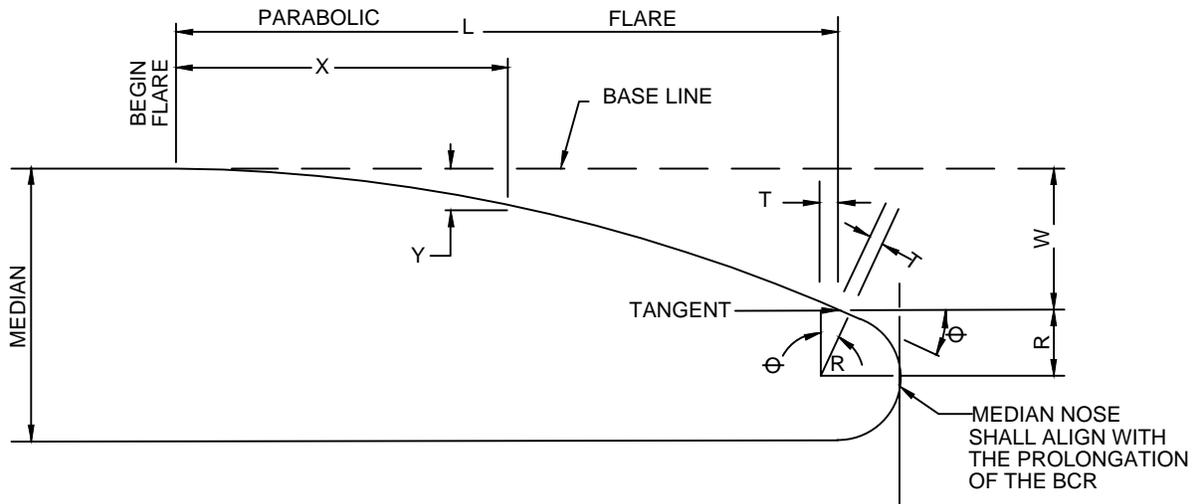


CITY OF MENIFEE

MEDIAN TAPER

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **804** SHEET **1** OF **1**



$$Y = W \left(\frac{X}{L} \right)^2$$

L=LENGTH OF FLARE IN FEET
 W=MAXIMUM OFFSET DISTANCE IN FEET
 X=DISTANCE ALONG BASELINE IN FEET
 Y=OFFSET FROM BASELINE IN FEET

$$\tan \theta = \frac{2W}{L}$$

$$T = R \tan \frac{\theta}{2}$$

T=TANGENT
 R=RADIUS OF NOSE IN FEET

OFFSET Y

X L	10'	15'	20'	25'	30'	40'	45'	50'	60'	70'	75'	80'	90'	100'
--------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------

FOR W/L=1:5

25'	0.80'	1.80'	3.20'	5.00'										
50'	0.40'	0.90'	1.60'	2.50'	3.60'	6.40'	8.10'	10.00'						

FOR W/L=1:10

50'	0.20'	0.45'	0.80'	1.25'	1.80'	3.20'	4.05'	5.00'						
100'	0.10'	0.23'	0.40'	0.63'	0.90'	1.60'	2.03'	2.50'	3.60'	4.90'	5.63'	6.40'	8.10'	10.00'

FOR W/L=1:15

45'	0.15'	0.33'	0.59'	0.93'	1.33'	2.37'	3.00'							
75'	0.09'	0.20'	0.36'	0.56'	0.80'	1.42'	1.80'	2.22'	3.20'	4.36'	5.00'			
90'	0.07'	0.17'	0.30'	0.46'	0.67'	1.19'	1.50'	1.85'	2.67'	3.63'	4.17'	4.74'	6.00'	

NOTE:

1. IF STATION OF RADIUS POINT IS NOT GIVEN ON PLAN, TANGENT "T" MAY BE IGNORED.

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

DATE

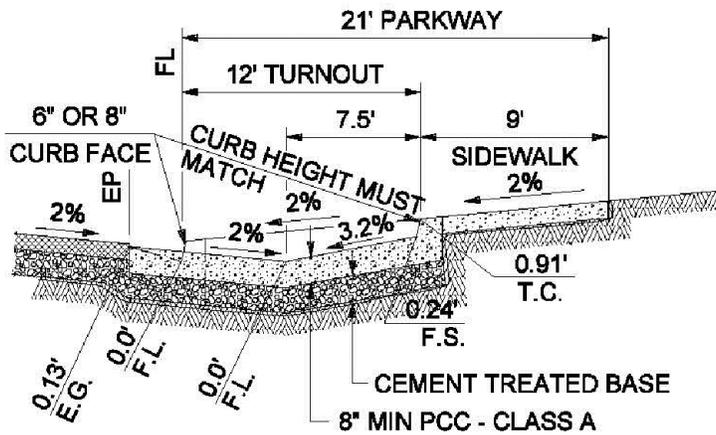
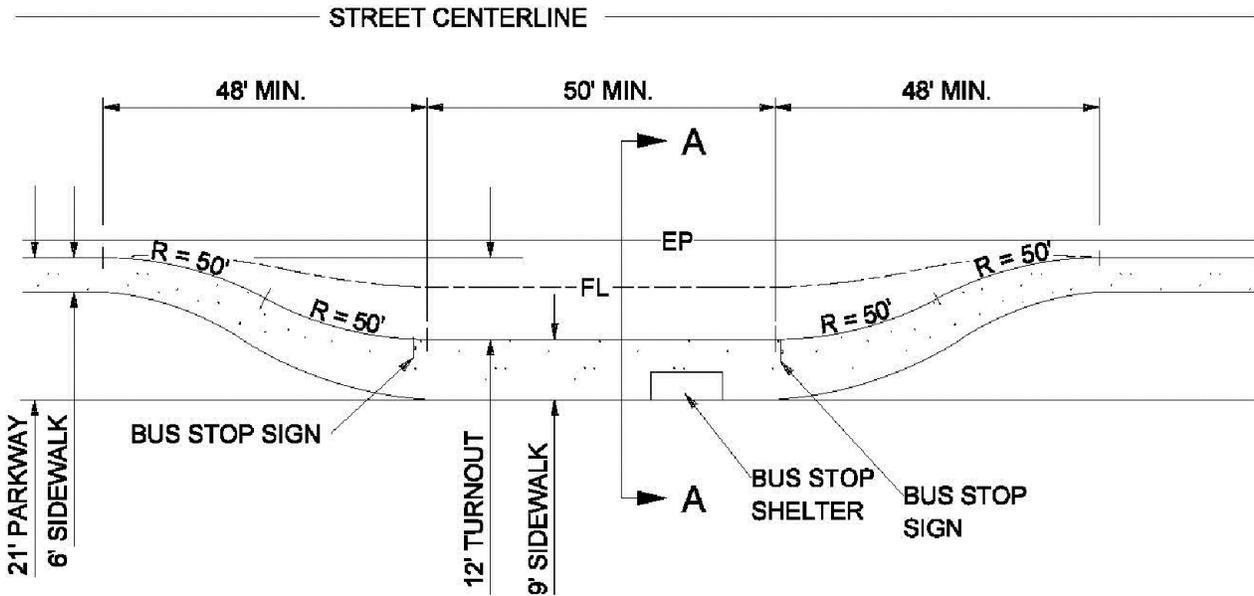


CITY OF MENIFEE

MEDIAN FLARE

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **805** SHEET 1 OF 1



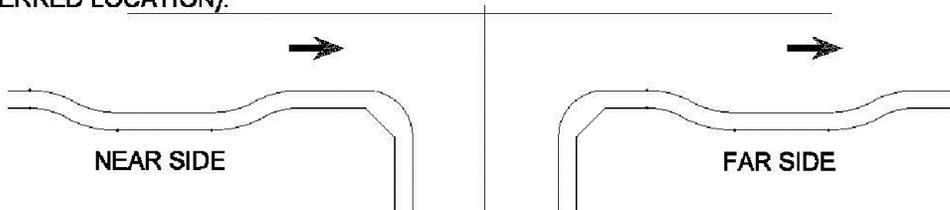
CURB DATA

R = 50'
 $\Delta = 28^\circ 21' 27''$
 L = 24.75'
 T = 12.63'

SECTION A-A NOT TO SCALE

NOTES:

1. THICKNESS OF PCC AND BASE DEPENDS UPON ADT VOLUME AND SOIL TYPE. STRUCTURAL SECTION CALCULATIONS ARE REQUIRED.
2. LOCATION OF BUS TURNOUT SHOULD BE AS APPROVED BY THE TRANSPORTATION DEPARTMENT, AND IN CONSULTATION WITH THE APPROPRIATE TRANSIT AGENCY. (FAR SIDE BUS TURNOUT IS THE PREFERRED LOCATION):



APPROVED BY:

Jonathan George Smith

3/5/2014

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 JONATHAN GEORGE SMITH

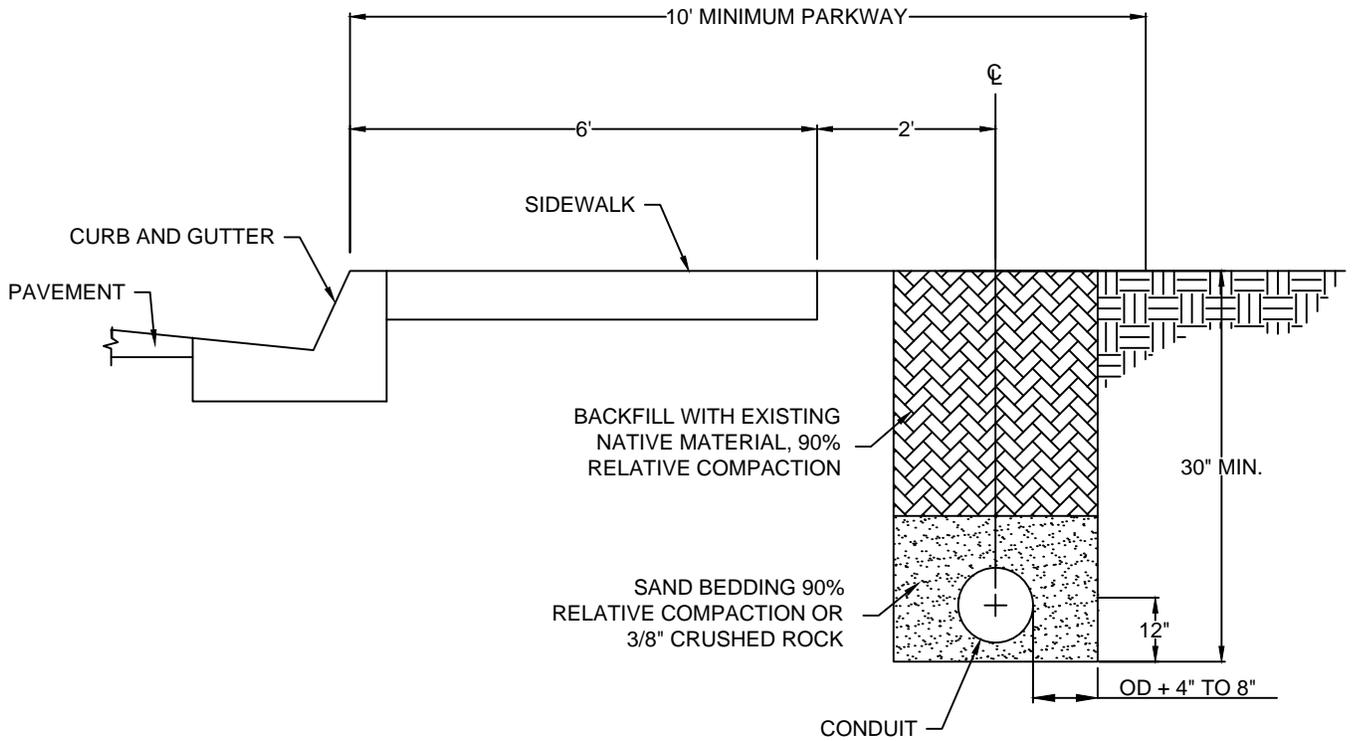
DATE



CITY OF MENIFEE

BUS TURNOUT

REVISION	BY:	APPROVED	DATE



NOTES

1. ALL TRENCHES SHALL BE BACKFILLED, COVERED WITH TRENCH PLATES OR OTHER MATERIAL AS APPROVED BY THE PUBLIC WORKS INSPECTOR, OR FENCED AT THE END OF EACH WORK DAY AS DIRECTED BY THE PUBLIC WORKS INSPECTOR.
2. REPAIR OR REPLACE ANY DAMAGED OR ALTERED IMPROVEMENTS (INCLUDING LANDSCAPE, IRRIGATION AND SIDEWALK) AS DIRECTED BY THE PUBLIC WORKS INSPECTOR.
3. WINDOWS AND/OR NARROW TRENCH CUTS SHALL NOT BE ALLOWED IN EXISTING P.C.C IMPROVEMENTS. SIDEWALKS SHALL BE CONSTRUCTED IN PANELS EQUAL TO EXISTING FINISH AND SCORE LINES (4'X4' OR 5'X5' TYP). DRIVEWAY APPROACHES AND ALLEY APPROACHES SHALL BE SAW-CUT AND REPLACED AS DIRECTED BY THE PUBLIC WORKS INSPECTOR.

APPROVED BY:

Jonathan George Smith

8/6/2014

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JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

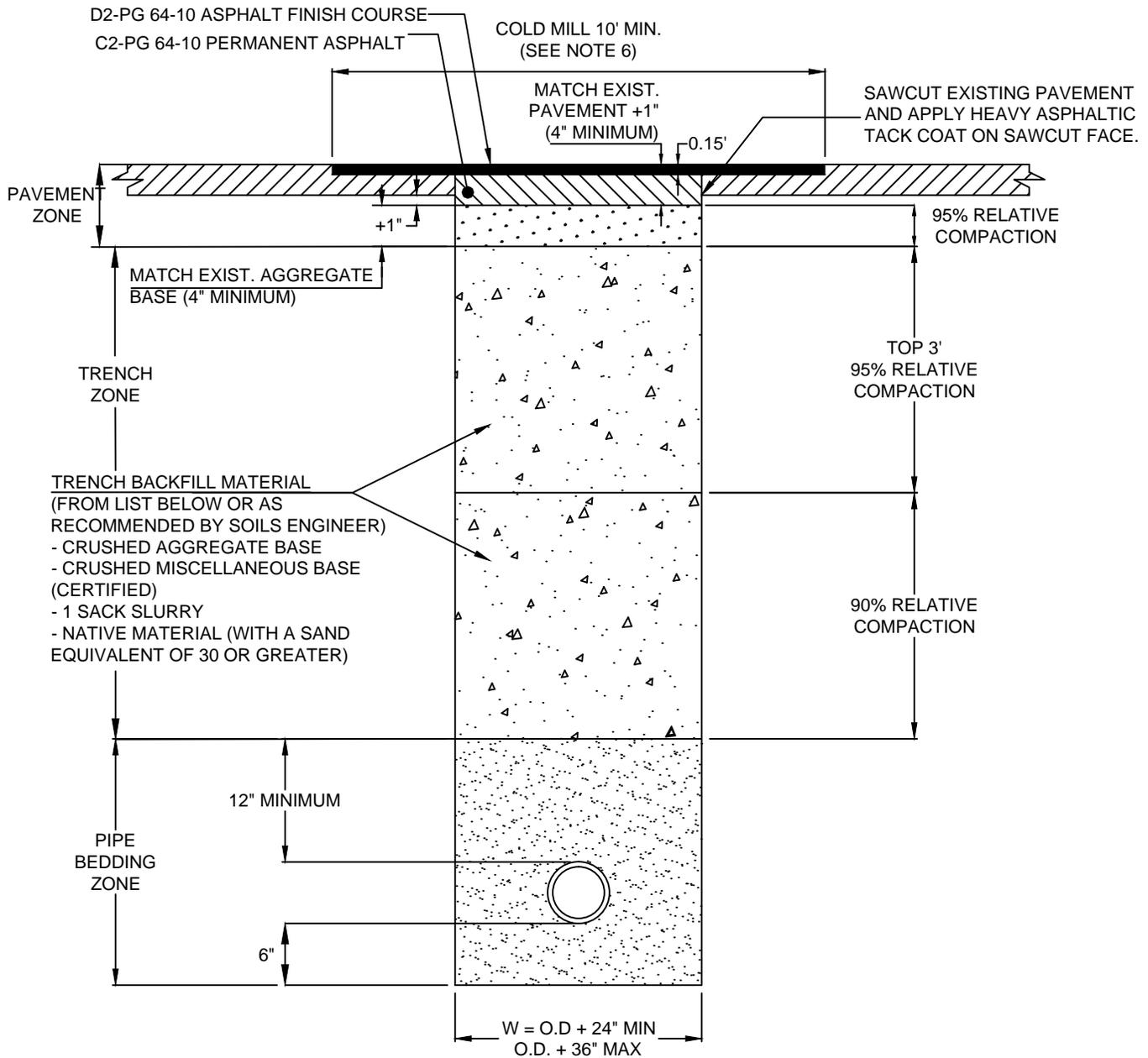
PARKWAY UTILITY TRENCH

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO.

811

SHEET **1** OF **1**



SEE SHEET 3 OF 3 FOR NOTES

TRENCH PERPENDICULAR TO CURB

APPROVED BY:

Jonathan George Smith

8/6/2014

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JONATHAN GEORGE SMITH

DATE

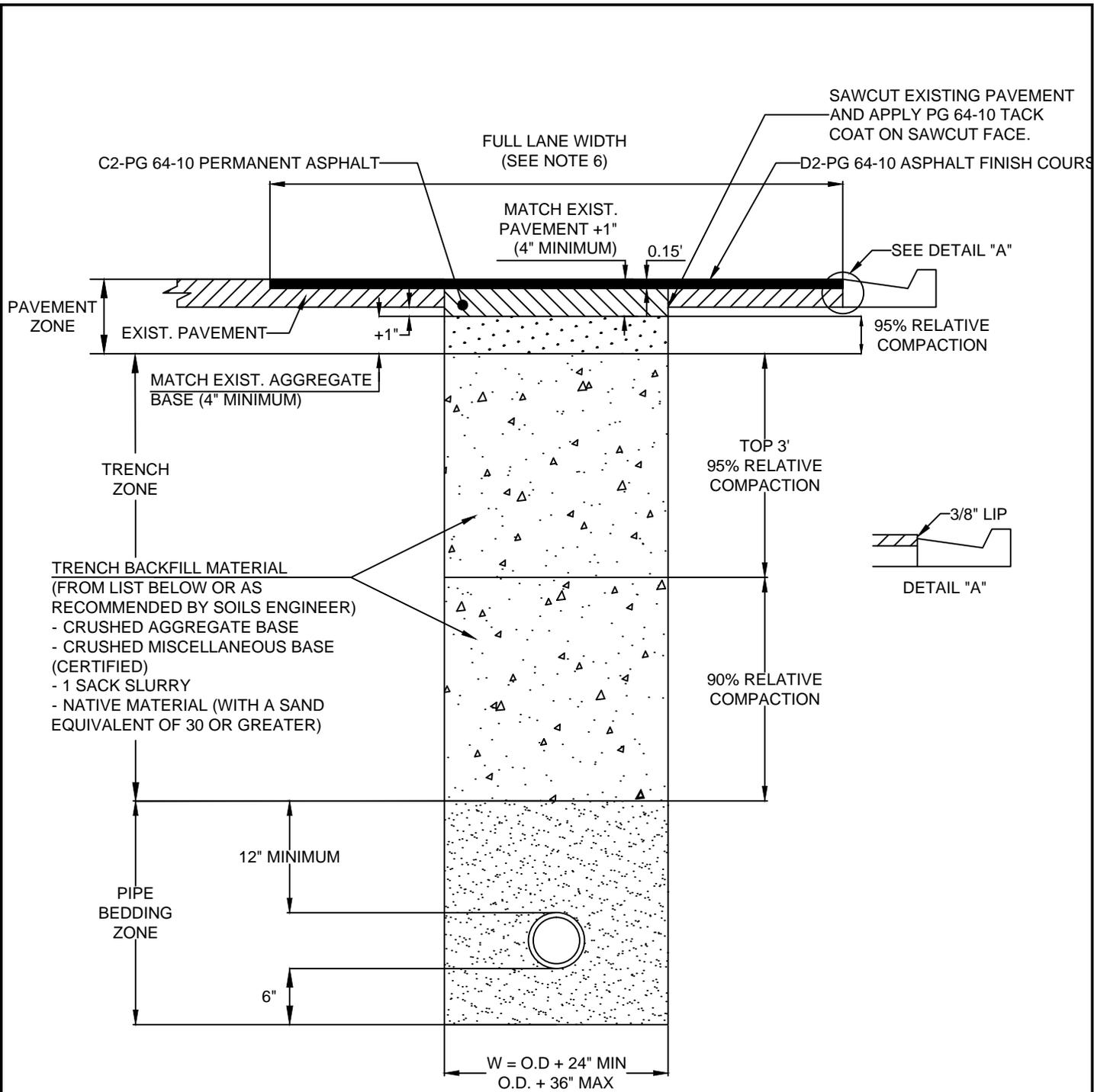


CITY OF MENIFEE

**TRENCH BACKFILL AND
ROADWAY REPAIR
(CASE I)**

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **812** SHEET **1** OF **4**



SEE SHEET 3 OF 3 FOR NOTES

TRENCH PARALLEL TO CURB

APPROVED BY:

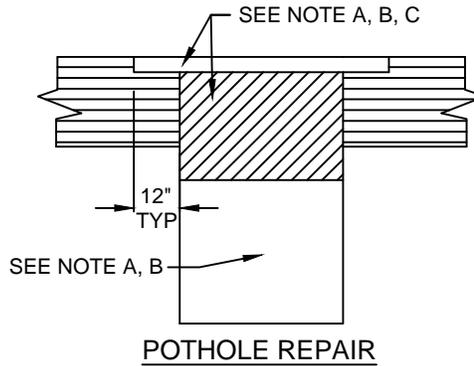
 8/6/2014
 DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH



CITY OF MENIFEE
TRENCH BACKFILL AND
ROADWAY REPAIR
(CASE II)

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **812** SHEET **2** OF **4**



- A. POTHOLE BACKFILL MAY BE COMPLETED USING DEEP LIFT (FULL SECTION) AC FOR POTHOLES THAT ARE 2' x 2' IN AREA OR LESS.
- B. THE MATERIAL USED FOR BACKFILLING POTHOLES THAT ARE LARGER THAN 2' x 2' SHALL BE 95% COMPACTED CRUSHED AGGREGATE BASE (CAB) OR CMB AS APPROVED.
- C. POTHOLES SHALL BE CAPPED USING C2-PG 64-10 PERMANENT ASPHALT WHICH IS 1" THICKER THAN THE EXISTING ASPHALT. IN ADDITION, ALL POTHOLES SHALL BE COLD MILLED 12" BEYOND ALL EDGES TO A DEPTH OF 0.1' AND CAPPED USING C2-PG 64-10 PERMANENT ASPHALT.

**CITY OF MENIFEE REQUIREMENTS
FOR TRENCHES OR OTHER EXCAVATIONS WITHIN
PUBLIC RIGHTS-OF-WAY OR EASEMENTS**

NOTES

1. ALL TRENCH EXCAVATIONS SHALL BE COMPLETED BY FIRST SAW-CUTTING THE PAVEMENT BEFORE EXCAVATION. ALL SAW CUT LINES SHALL BE CLEAN AND FREE OF ROUGH EDGES. ADDITIONAL SAW-CUTTING WILL BE REQUIRED BY THE PUBLIC WORKS INSPECTOR IF THE EDGES OF THE TRENCH ARE DAMAGED DURING EXCAVATION OR BACKFILLING OPERATIONS.
2. ALL COMPACTION OF TRENCH BACKFILL MATERIAL SHALL BE ACCOMPLISHED BY MECHANICAL METHODS. JETTING, PONDING OR FLOODING IN LIEU OF MECHANICAL METHODS SHALL NOT BE ALLOWED.
3. ALL TRENCHES SHALL BE BACKFILLED AND A MINIMUM OF 3" OF TEMPORARY ASPHALT PAVEMENT INSTALLED AT THE END OF EACH WORKDAY. THE PUBLIC WORKS INSPECTOR MAY AUTHORIZE STEEL PLATE BRIDGING IN ACCORDANCE WITH STANDARD #813 IN LIEU OF TEMPORARY ASPHALT PAVEMENT.
4. ALL TRAFFIC STRIPING OR MARKINGS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED USING THERMOPLASTIC COATINGS OR AS DIRECTED BY THE PUBLIC WORKS INSPECTOR. PARTIALLY REMOVED STRIPING SHALL BE REPLACED IN WHOLE.
5. PERMANENT PAVEMENT REPAIR SHALL BE ACCOMPLISHED WITHIN 14 DAYS OF TEMPORARY REPAIR BY REMOVAL OF ALL TEMPORARY AC PAVEMENT, INSTALLATION OF PERMANENT ASPHALT PAVEMENT AS NOTED ON THIS STANDARD, AND COLD MILLING WITH FINISH PAVEMENT.
6. COLD MILLING OF 0.15' SHALL BE REQUIRED FOR ALL TRENCHES. THE PUBLIC WORKS INSPECTOR WILL REQUIRE ADDITIONAL COLD MILLING IF FIELD CONDITIONS SO WARRANT.
7. ADDITIONAL COLD MILLING SHALL BE REQUIRED FOR TRENCHES THAT ARE 2' TO 4' FROM THE CURB & GUTTER.
8. REMOVE AND REPLACE ASPHALT PAVEMENT FULL DEPTH FOR TRENCHES THAT ARE 2' OR LESS FROM CURB & GUTTER.
9. TACK COAT OF PG 64-10 PAVING ASPHALT SHALL BE UNIFORMLY APPLIED TO EXISTING ASPHALT SURFACES PRECEDING PLACEMENT OF NEW ASPHALT CONCRETE. THE SURFACE SHALL BE FREE OF WATER, FOREIGN MATERIAL, OR DUST WHEN THE TACK COAT IS APPLIED.
10. FOR WATER AND SEWER PIPE BEDDING REQUIREMENTS REFER TO EASTERN WATER MUNICIPAL WATER DISTRICT (EMWD) STANDARDS.
11. TESTING: COMPACTION REPORTS SHALL BE SUBMITTED TO THE CITY ENGINEER.
12. PROHIBITION OF PAVEMENT CUTTING: ASPHALT CONCRETE PAVEMENT LESS THAN THREE (3) YEARS OLD SHALL NOT BE CUT EXCEPT FOR EMERGENCY REPAIRS OR AS SPECIFICALLY APPROVED IN WRITING BY THE CITY ENGINEER. SPECIAL REQUIREMENTS WILL BE IMPOSED FOR REPAVING.

APPROVED BY:

Jonathan George Smith

8/6/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

**TRENCH BACKFILL AND
ROADWAY REPAIR**

STANDARD PLAN NO. **812** SHEET **3** OF **4**

REVISION	BY:	APPROVED	DATE

① 190-E-400 CONCRETE, MAXIMUM 8" SLUMP SLURRY BACKFILL TO SURFACE. FOLLOW WITH 12" WIDE BY 1-1/2" DEEP GRIND AND RESURFACING. ALLOW MIN. 72 HOURS CURE BEFORE GRINDING.

② D2-PG 64-10 ASPHALT CONCRETE.

③ ALL CONDUIT AND CABLE.

④ EXISTING A.C. PAVEMENT.

⑤ EXISTING BASE MATERIAL.

⑥ MORTAR SAND COMPACTED TO 95% RELATIVE DENSITY.

⑦ UNDISTURBED SOIL.

⑧ SYMMETRICAL ABOUT CENTERLINE OF TRENCH.

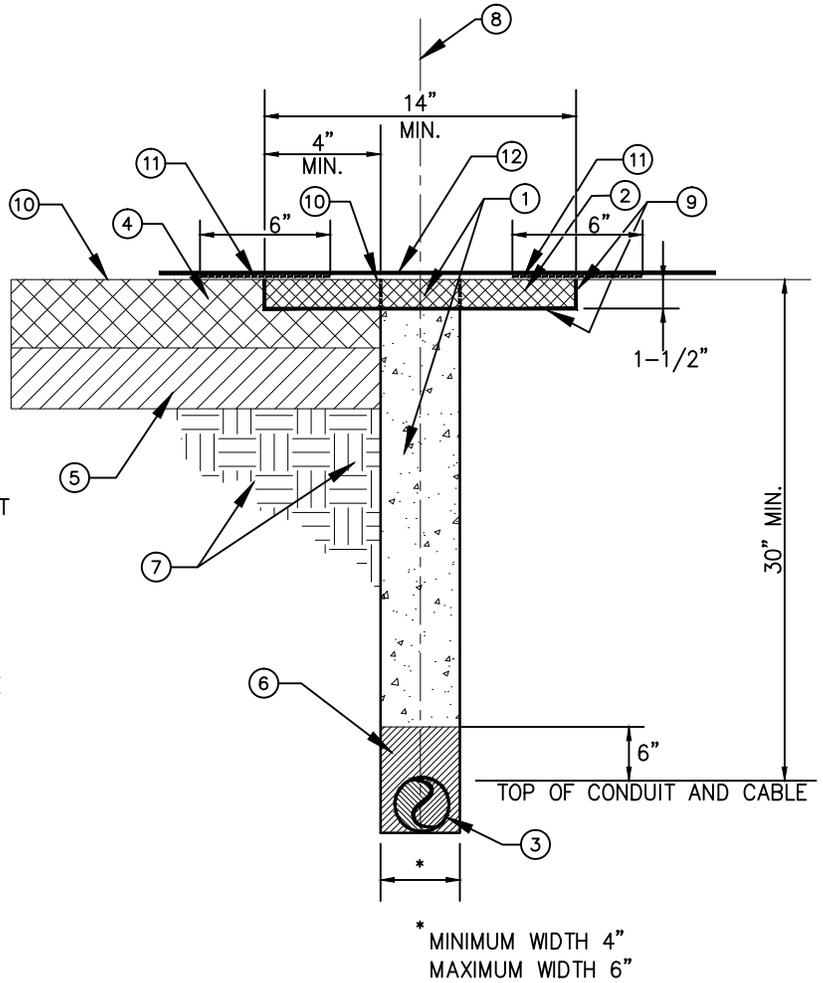
⑨ GRADE SS-1h EMULSIFIED ASPHALT APPLIED AT 0.15 GALLON PER SQUARE YARD.

⑩ EXISTING ASPHALT PAVEMENT FINISHED GRADE, SMOOTHNESS & COMPACTION OF RESURFACING SHALL MEET THE REQUIREMENTS OF SEC 302-5.6.2 SSPWC EXCEPT THAT THE SMOOTHNESS SHALL BE DETERMINED OVER THE LENGTH & WIDTH OF PAVEMENT AREAS DISTURBED BY THE CONTRACTOR'S/PERMITEE'S OPERATIONS.

⑪ RESPRAY GRADE SS-1h EMULSIFIED ASPHALT AT 0.15 GALLON PER SQUARE YARD 6" WIDE, CENTERED ON EDGE LINE OF GRIND AFTER PLACING A.C. & BEFORE SURFACE TREATMENT.

⑫ SURFACE TREATMENT TO MATCH EXISTING PAVEMENT (E.G. SEAL COAT, CHIP SEAL).

⑬ WHEN THE EDGE OF THE GRIND LINE IS WITHIN 12" OF EDGE OF PAVEMENT, ANY STRUCTURE, AN ADJACENT TRENCH PATCH OR ANY OTHER PAVING JOIN LINE, THE 1-1/2" DEEP GRIND SHALL BE EXTENDED TO THE EXISTING STRUCTURE OR JOIN LINE.



NARROW TRENCH BACKFILL & ASPHALT
CONCRETE RESURFACING DETAIL
N.T.S.

APPROVED BY:

Jonathan George Smith

8/15/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

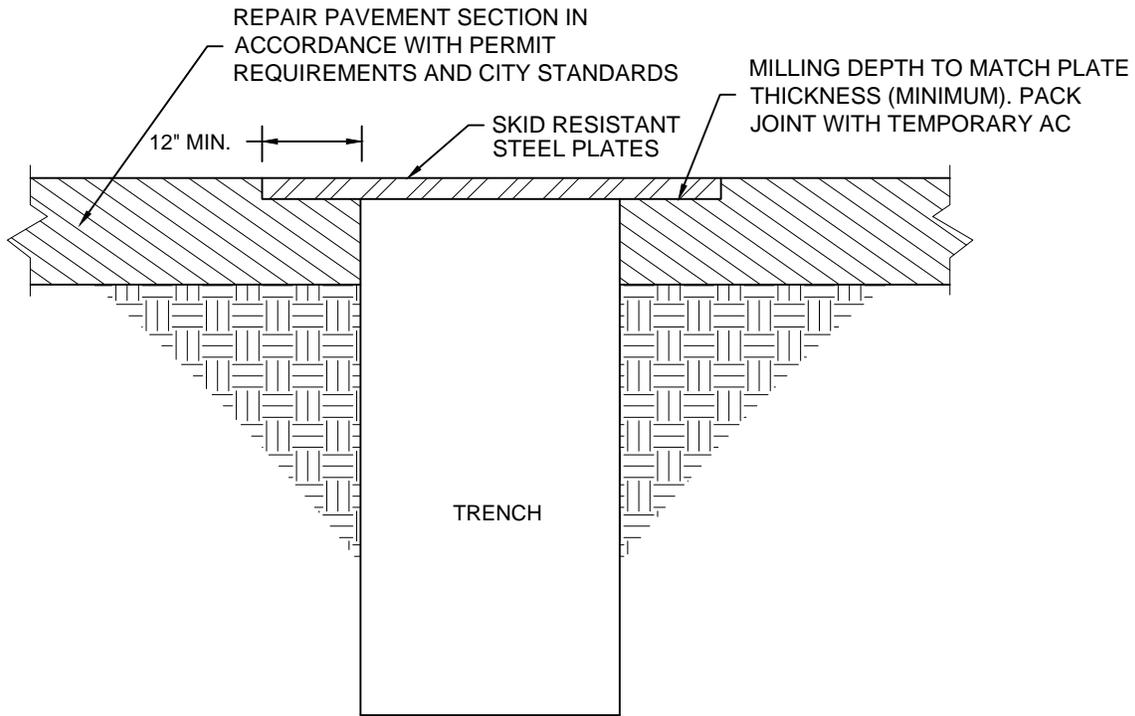
NARROW TRENCH
BACKFILL AND ROADWAY
REPAIR

STANDARD PLAN NO.

812

SHEET 4 OF 4

REVISION	BY:	APPROVED	DATE



TYPICAL TRENCH PLATE DETAIL
N.T.S.

NOTES

1. A MINIMUM 12" LAP OF STEEL PLATE SHALL BE PROVIDED ON EACH SIDE OF TRENCH TO ASSURE NO SLIPPING OF PLATE OR COLLAPSING OF TRENCH WALL. WHERE 12" LAP CANNOT BE MET, ENGINEERING DESIGN IS REQUIRED AND SHALL BE APPROVED BY THE PUBLIC WORKS DIRECTOR. THE TRENCH SHALL BE ADEQUATELY SHORED IF NECESSARY TO SUPPORT THE BRIDGING AND TRAFFIC. FOR SPANS GREATER THAN FOUR FEET A SHORING PLAN AND A TRAFFIC CONTROL PLAN, ENGINEERED BY A REGISTERED CIVIL ENGINEER, SHALL BE SUBMITTED FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO START OF CONSTRUCTION WORK.
2. STEEL PLATE MUST FIT SNUG WITHIN THE RECESSED AREA AND INSTALLED TO OPERATE WITH MINIMUM NOISE.
3. THE PAVEMENT SHALL BE COLD PLANED TO A DEPTH EQUAL TO THE THICKNESS OF THE PLATE, AND TO A WIDTH AND LENGTH EQUAL TO THE DIMENSIONS OF THE PLATE.
4. THIS STANDARD SHALL BE IMPLEMENTED ON ALL PROJECTS WITHIN VEHICULAR TRAVEL WAY UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.
5. MULTIPLE PLATES MUST BE PINNED OR TACK WELDED AS NEEDED TO SECURE PLATES, 6" MINIMUM.
6. ALL PLATES MUST MEET REQUIRED TRAFFIC LOADS, AND BE SKID-RESISTANT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE SELECTION AND MAINTENANCE OF THE STEEL PLATES.
7. STEEL PLATES MUST BE REMOVED AND PERMANENT PAVEMENT SHALL BE PLACED WITHIN FOURTEEN (14) CALENDAR DAYS OR AS APPROVED BY THE PUBLIC WORKS DIRECTOR.
8. THE CONTRACTOR WILL BE REQUIRED TO PUT "STEEL PLATES AHEAD" WARNING SIGNS IN PLACE.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

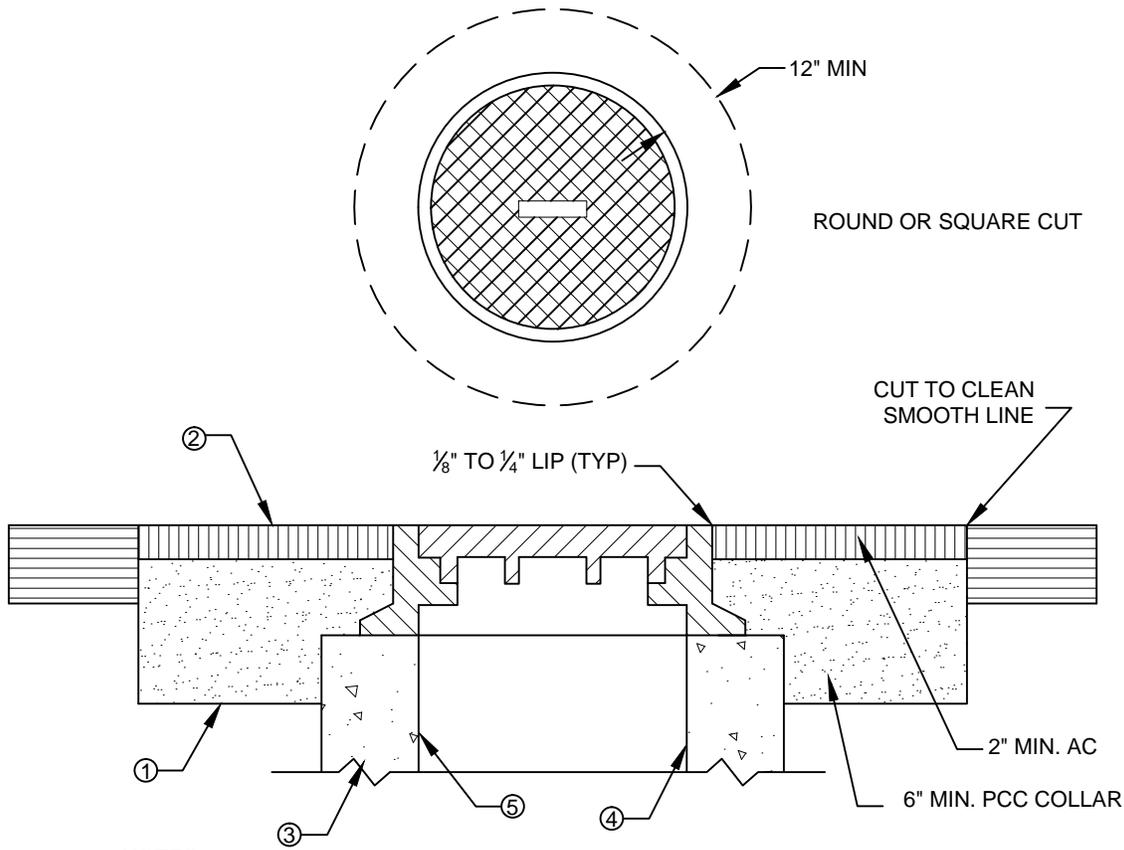
**EMERGENCY PLATE
BRIDGING FOR
EXCAVATIONS**

STANDARD PLAN NO.

813

SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE



NOTES:

1. ALL ADJUSTMENT WORK OF THE FRAME AND COVER AND THE A.C. PAVEMENT PATCHING SHALL BE DONE WITHIN THE SAME WORKING DAY. DURING THE TIME ADJUSTMENT WORK AND ASPHALT CONCRETE PATCHING IS BEING DONE. THE WORK AREA SHALL BE PROTECTED IN ACCORDANCE WITH THE MUTCD FOR TRAFFIC CONTROL DEVICES.
2. THE CONTRACTOR SHALL NOT LEAVE THE SLOT AROUND THE MANHOLE UNPROTECTED.
3. IF A TWO STEP PROCESS IS USED TO ADJUST MANHOLE TO GRADE THEN A BASE COURSE OF 6" THICK AC MAY BE USED AS THE FIRST STEP PRIOR TO WHAT IS SHOWN ABOVE, HOWEVER, THE FINAL ADJUSTMENT MUST BE COMPLETED WITHIN 72 HOURS.

CONSTRUCTION NOTES:

- ① REMOVE EXISTING CONCRETE, PCC AND SUBGRADE AS NECESSARY, APPLY TACK COAT TO ALL CONTACT SURFACES AND CONSTRUCT 6" THICK PT ASPHALT CONCRETE OVER SUBGRADE COMPACTED TO 95% MIN. RELATIVE COMPACTION.
- ② 2" MINIMUM ASPHALT SURFACE COURSE PG 64-10 WITH ROLLER FINISH.
- ③ PROVIDE GRADE RINGS AS NEEDED TO SET FRAME AND COVER TO GRADE.
- ④ MAXIMUM INCREASE OF SHAFT SHALL BE 4 FEET. OTHERWISE ALL GRADE RINGS AND CONES SHALL BE REMOVED AND ADJUSTED.
- ⑤ WHEN ADDING GRADE RINGS, STEPS SHALL ALSO BE INSTALLED TO MAINTAIN ONE STEP EVERY 18 INCHES.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

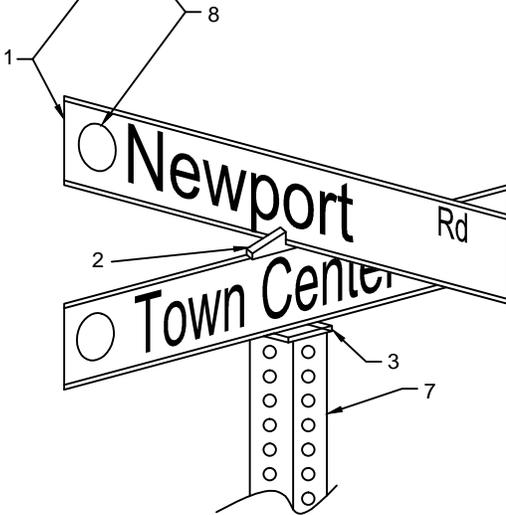
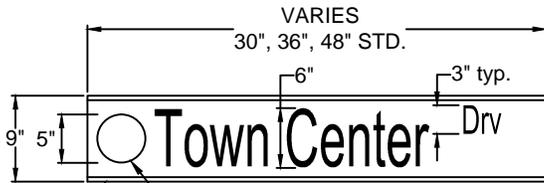


CITY OF MENIFEE

ADJUST MANHOLE TO GRADE

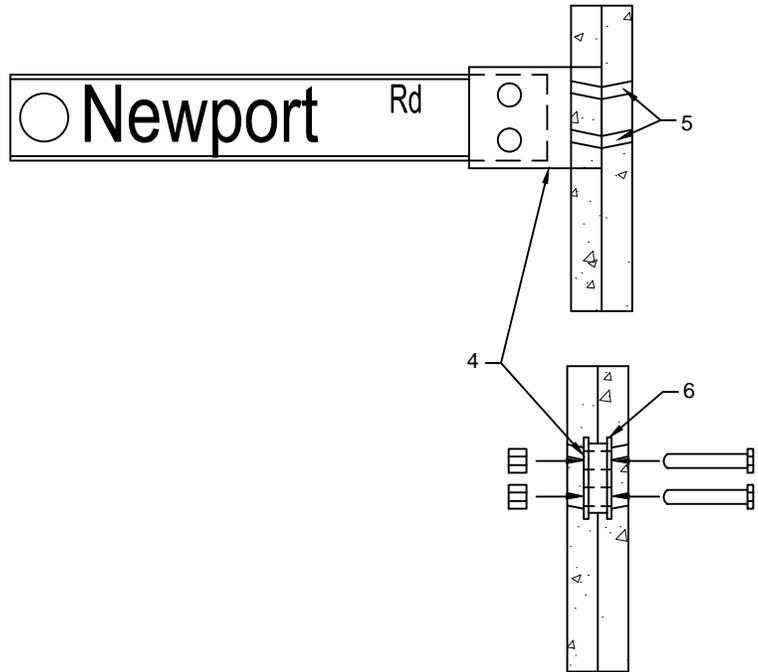
REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **814** SHEET **1** OF **1**



**TYPE "A"
SIGN DETAIL**

**TYPE "B"
MOUNTING TO STREET
LIGHT POLE**



NOTES:

- 9" WIDE ALUMINUM EXTRUSION, 0.125" THICK WITH A 0.250" SUPPORT CHANNEL ALONG THE TOP & BOTTOM EDGE. BROWN BACKGROUND WITH WHITE LETTERS, 6" INITIAL UPPER CASE AND 4.5" LOWER CASE.

NOTES:

ALL BACKGROUND & LETTERED MATERIAL SHALL BE RETROREFLECTIVE BEADED SHEETING TYPE 3 PER CAMUTCD TABLE 2A-3.

- DIE CAST ALUMINUM 90° CROSSPIECE (ZUMAR STYLE 859 SHORT OR APPROVED EQUAL). NOTE SIGNS 36" TO 48" USE 850 LONG CROSSPIECE.
- 2" SQUARE TUBE DIE CAST ALUMINUM CAP (ZUMAR STYLE 850 SHORT OF APPROVED EQUAL). NOTE:SIGNS 36" TO 48" USE 850 LONG CAP
- #457 USED FOR INSTALLATION ON STREET LIGHT POLES NO. 516. ALUMINUM CANTILEVER BRACKET FOR 6' BLADES (ZUMAR STYLE 730 OR APPROVED EQUAL).
- 201 STAINLESS STEEL 3/4" BUCKLE (BAND-IT EDP NO. 13256, CAT NO C256 OR APPROVED EQUAL).
- 201 STAINLESS STEEL BAND, 3/4" WIDE x 0.030" THICK (BAND-IT, CAT NO. C206 OR APPROVED EQUAL).
- SIGN POST PER STANDARD 817
- CITY OF MENIFEE LOGO SHALL BE PLACED ON PUBLIC STREET SIGNS ONLY.

NOTE: ALL STREET SIGNS TO BE MOUNTED A MINIMUM OF 7' ABOVE FINISHED GRADE.

APPROVED BY:

Jonathan George Smith

3/25/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

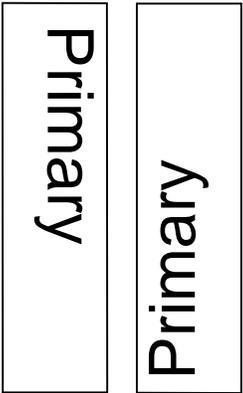
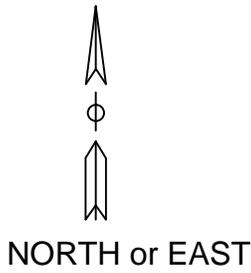


CITY OF MENIFEE

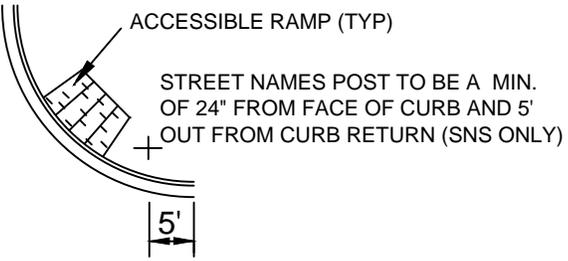
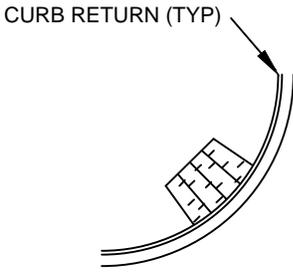
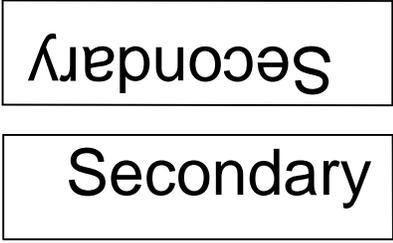
STREET NAME SIGN

REVISION	BY:	APPROVED	DATE
1	RM	JS	4/15/2015

STANDARD PLAN NO. **815** SHEET **1** OF **1**



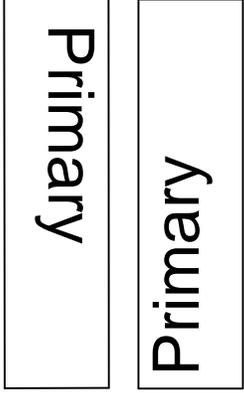
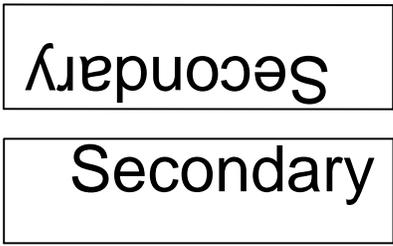
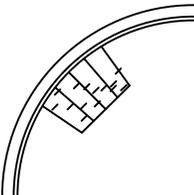
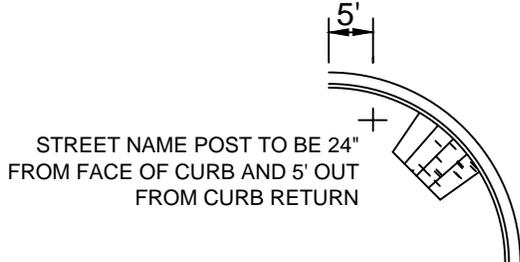
LOCATE SECONDARY STREET NAME SIGN ON THE BOTTOM



Secondary

Primary

USE EQUIVALENT EXCEPTIONS AS APPROVED BY THE PUBLIC WORKS DIRECTOR



NOTE: STREET NAME SIGNS FOR INTERSECTING SECONDARY STREET DO NOT SHOW ADDRESS BLOCK NUMBERS

STREET NAMES SIGNS FOR INTERSECTING PRIMARY AND SECONDARY STREETS, AND ABOVE, DO SHOW ADDRESS BLOCK NUMBERS

LOCATE SECONDARY STREET NAME SIGN ON THE BOTTOM

SEE STANDARD 816-2 FOR CORRECT CORNER LOCATION BASED ON STREET CLASSIFICATION

APPROVED BY:

 3/25/2014
 DIRECTOR OF PUBLIC WORKS DATE
 JONATHAN GEORGE SMITH



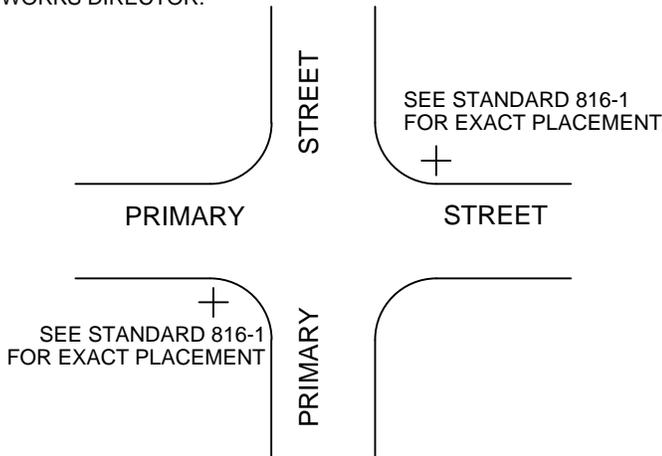
CITY OF MENIFEE
 STREET NAME SIGN
 LOCATION

REVISION	BY:	APPROVED	DATE
1	RM	JS	4/15/2015

STANDARD PLAN NO. **816** SHEET **1** OF **2**

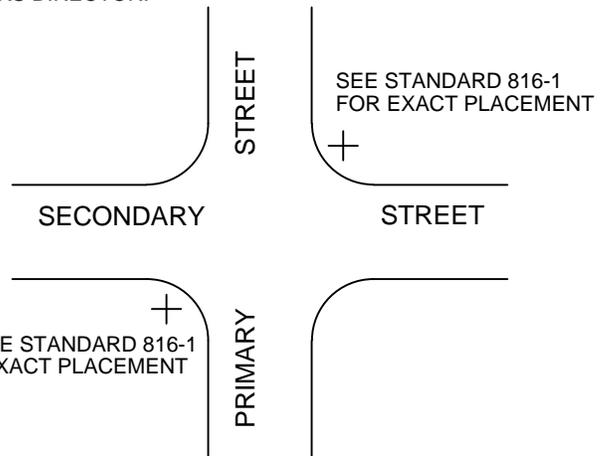
PRIMARY & PRIMARY INTERSECTION

ALWAYS LOCATE STREET NAME SIGN ON APPROACHING NEAR SIDE OF NORTHEAST CORNER AND SOUTHWEST CORNER. EXCEPTIONS AS APPROVED BY PUBLIC WORKS DIRECTOR.



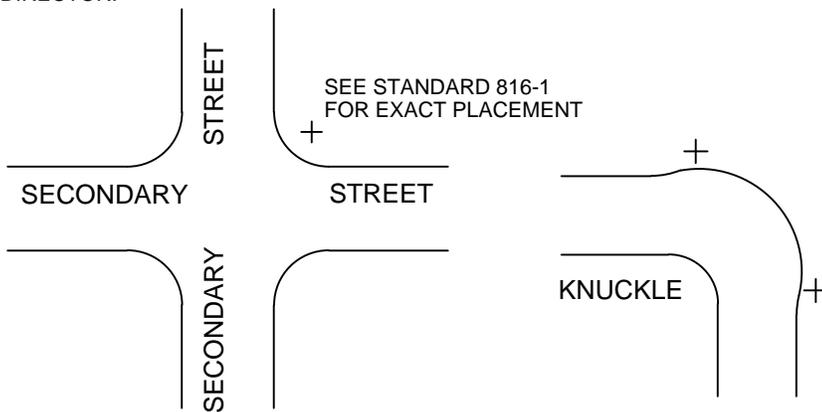
PRIMARY & SECONDARY INTERSECTION

ALWAYS LOCATE STREET NAME SIGN ON APPROACHING NEAR SIDE OF PRIMARY STREET-REGARDLESS OF STREET DIRECTION. EXCEPTIONS AS APPROVED BY PUBLIC WORKS DIRECTOR.



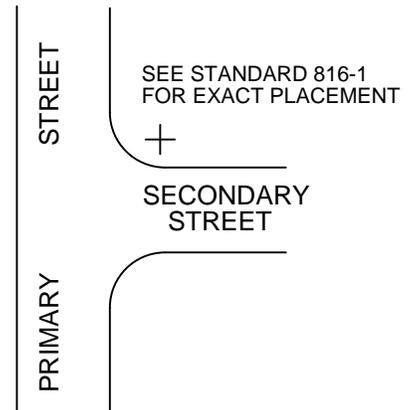
SECONDARY & SECONDARY INTERSECTION

ALWAYS LOCATE STREET NAME SIGN ON APPROACHING NEAR SIDE OF NORTHEAST CORNER. EXCEPTIONS AS APPROVED BY PUBLIC WORKS DIRECTOR.



"T" INTERSECTIONS

ALWAYS LOCATE STREET NAME SIGN ON APPROACHING NEAR SIDE OF THROUGH STREET. EXCEPTIONS AS APPROVED BY PUBLIC WORKS DIRECTOR.



THE TERMS "PRIMARY" AND "SECONDARY" STREETS ARE INTENDED TO DENOTE WHICH STREET IS MORE IMPORTANT: E.G.: (THE WIDER STREET IS THE PRIMARY STREET)

<u>PRIMARY</u>		<u>SECONDARY</u>
ARTERIAL	VS.	COLLECTOR
COLLECTOR	VS.	LOCAL
LOCAL	VS.	CUL-DE-SAC

AT THE INTERSECTION OF 2 LOCAL STREETS, THE STREET CONSIDERED TO BE THE THROUGH STREET WILL BE BASED ON EXAMINATION OF NEIGHBORHOOD STREET PATTERNS BY THE FIELD ENGINEER.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

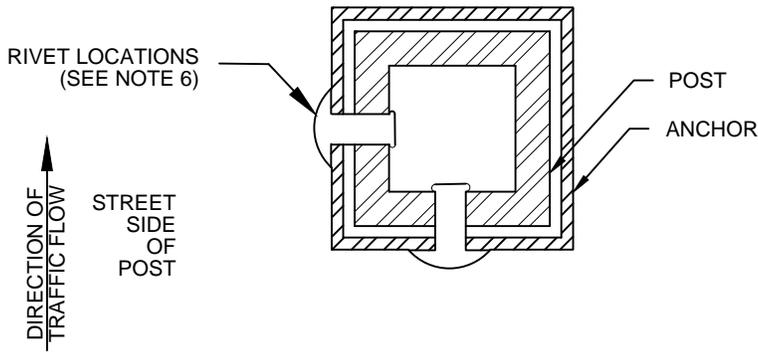


CITY OF MENIFEE

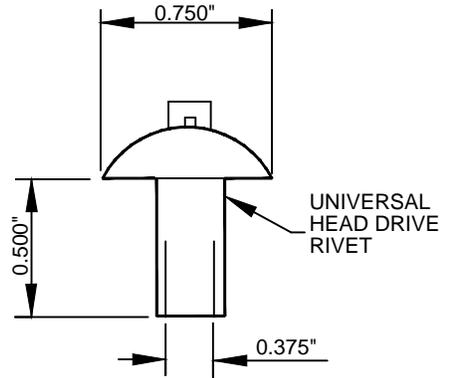
**STREET NAME SIGN
LOCATION**

STANDARD PLAN NO. **816** SHEET **2** OF **2**

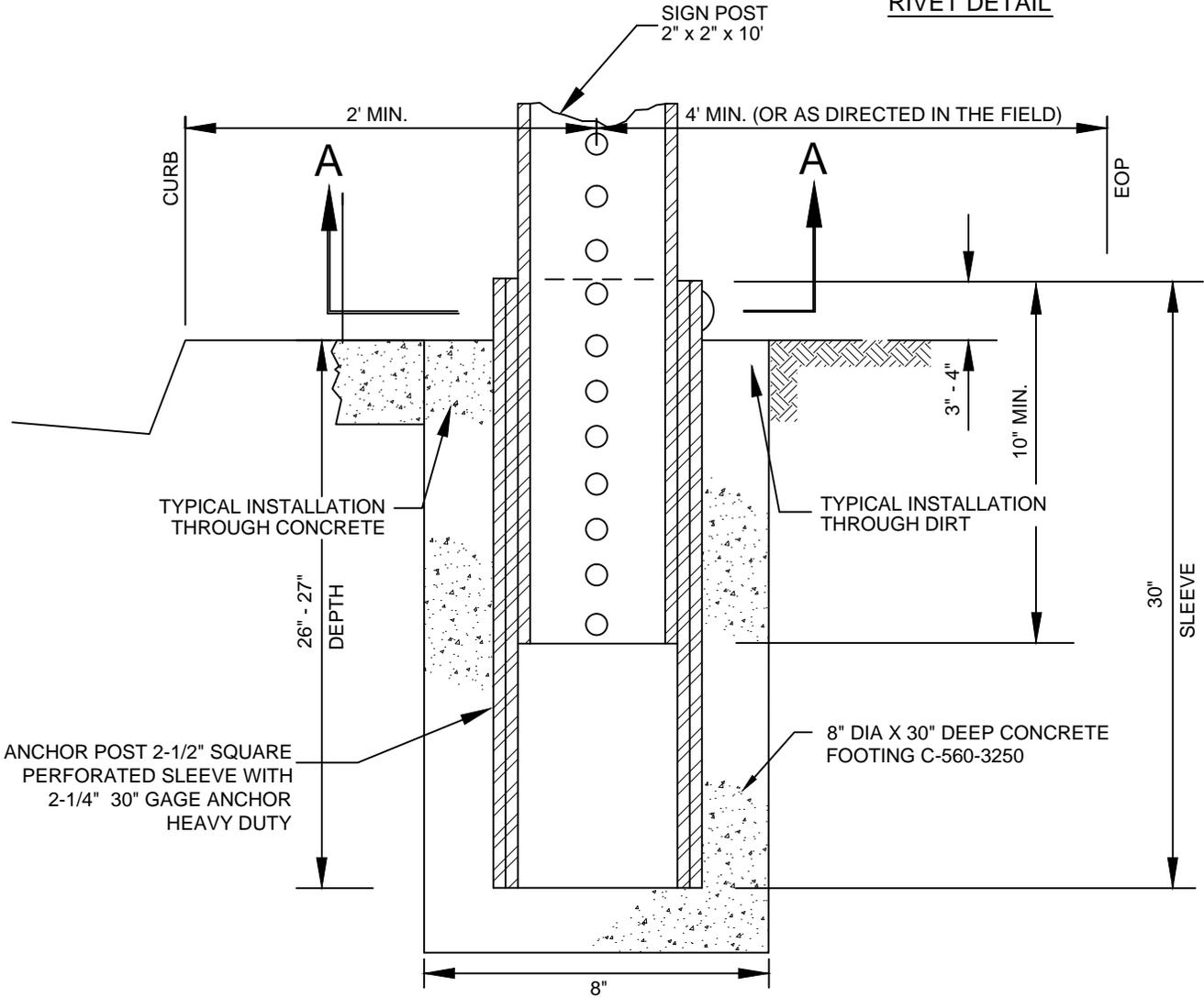
REVISION	BY:	APPROVED	DATE



SECTION "A-A"



RIVET DETAIL



TYPICAL SECTION

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

SIGN POST INSTALLATION

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO.

817

SHEET 1 OF 2

NOTES:

1. SQUARE PERFORATED STEEL TUBE POSTS WITH BREAK-AWAY BASE, "TELESPAR", SHALL BE USED FOR ALL TRAFFIC CONTROL AND INFORMATIONAL SIGNS WITHIN ROAD RIGHT-OF-WAY.
2. THE NUMBER OF POSTS REQUIRED FOR SIGN INSTALLATION SHALL BE DETERMINED BY THE AREA OF THE SIGN OR COMBINATION OF SIGNS TO BE INSTALLED. A SINGLE POST SHALL BE USED WHERE BOTH THE LENGTH AND WIDTH ARE LESS THAN 48", WITH THE EXCEPTION OF A 48"X48" STOP SIGN. DOUBLE POSTS SHALL BE USED WHERE EITHER THE LENGTH OR THE WIDTH EXCEED 48".
3. THE ANCHOR ASSEMBLY SHALL CONSIST OF A 2½" O/D x 2¼" I/D SQUARE BY 30" 7 GAGE HEAVY DUTY ANCHOR.
4. THE ANCHOR ASSEMBLY SHALL BE INSTALLED WITH 4" OF THE ANCHOR ASSEMBLY ABOVE GROUND LEVEL.
5. THE ANCHOR ASSEMBLY SHALL BE SECURED IN PLACE WITH AN 8" DIA. BY 30" DEEP CONCRETE FOOTING (C-560-3250).
6. INSTALL THE 2" SQUARE SIGN POST 10" TO 12" INTO THE ANCHOR ASSEMBLY AND SECURE IN PLACE WITH TWO ¾" DRIVE RIVETS AS SHOWN. THE RIVETS SHALL BE INSTALLED ON THE SIDE FACING TRAFFIC FLOW AND THE SIDE OF APPROACHING TRAFFIC AS SHOWN IN ORDER TO ACHIEVE THE MAXIMUM BREAK-AWAY EFFECT.
7. THE POST AND ANCHOR SHALL BE MADE OF HOT DIPPED GALVANIZED STEEL SQUARE TUBE BY UNITRUST OR EQUAL APPROVED IN WRITING PRIOR TO INSTALLATION.
8. INSTALLATION ACCORDING TO THESE REQUIREMENTS IS ESSENTIAL TO MAINTAIN THE BREAK-AWAY CHARACTERISTICS OF THE POST SYSTEM.

APPROVED BY:



2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

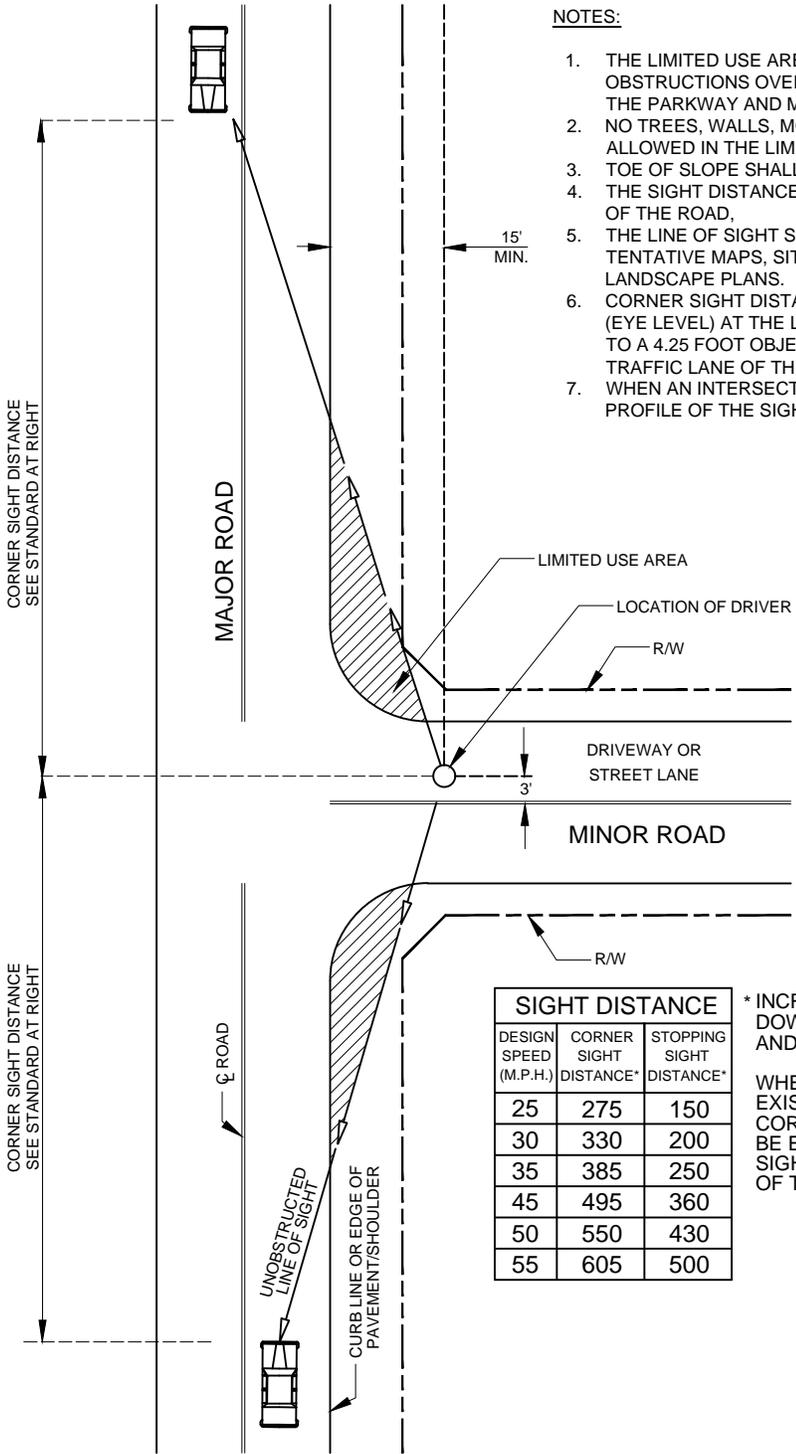
SIGN POST INSTALLATION

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO.

817

SHEET **2** OF **2**



NOTES:

1. THE LIMITED USE AREA SHALL BE KEPT CLEAR OF ALL OBSTRUCTIONS OVER 30 INCHES HIGH, INCLUDING VEGETATION IN THE PARKWAY AND MEDIANS.
2. NO TREES, WALLS, MONUMENTS, OR ANY OBSTRUCTIONS SHALL BE ALLOWED IN THE LIMITED USE AREA.
3. TOE OF SLOPE SHALL NOT ENCROACH INTO THE LIMITED USE AREA.
4. THE SIGHT DISTANCE SHALL BE MEASURED ALONG THE CENTER LINE OF THE ROAD,
5. THE LINE OF SIGHT SHALL BE SHOWN AT INTERSECTIONS ON TENTATIVE MAPS, SITE PLANS, GRADING PLANS, STREET PLANS AND LANDSCAPE PLANS.
6. CORNER SIGHT DISTANCE IS MEASURED FROM A 3.5 FOOT HEIGHT (EYE LEVEL) AT THE LOCATION OF THE DRIVER ON THE MINOR ROAD, TO A 4.25 FOOT OBJECT HEIGHT IN THE CENTER OF THE NEAREST TRAFFIC LANE OF THE MAJOR ROAD.
7. WHEN AN INTERSECTION IS LOCATED ON A VERTICAL CURVE, A PROFILE OF THE SIGHT LINE SHALL BE PROVIDED.

SIGHT DISTANCE		
DESIGN SPEED (M.P.H.)	CORNER SIGHT DISTANCE*	STOPPING SIGHT DISTANCE*
25	275	150
30	330	200
35	385	250
45	495	360
50	550	430
55	605	500

* INCREASE BY 20% ON SUSTAINED DOWNGRADE GREATER THAN 3% AND LONGER THAN ONE MILE.

WHERE RESTRICTIVE CONDITIONS EXIST, THE MINIMUM VALUE FOR CORNER SIGHT DISTANCE SHALL BE EQUAL TO THE STOPPING SIGHT DISTANCE WITH APPROVAL OF THE PUBLIC WORKS DIRECTOR.

APPROVED BY:

 4/15/2015
 DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH



CITY OF MENIFEE

INTERSECTION SIGHT DISTANCE

STANDARD PLAN NO. **818** SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE



City of Meniffee
Public Works Department

(DESCRIPTION OF PROJECT)
Project No.
Construction Dates

- ____ (NAME), MAYOR
- ____ (NAME), DEPUTY MAYOR
- ____ (NAME), COUNCIL MEMBER
- ____ (NAME), COUNCIL MEMBER
- ____ (NAME), COUNCIL MEMBER

FOR QUESTIONS, PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT (951) 672-6777
CITY OF MENIFEE ONLINE ALL THE TIME AT WWW.CITYOFMENIFEE.US

3 1/2"

3 1/2"

1 1/2"

2"

1" THICK BORDER

1'-0" (MIN.) TO SIDEWALK
4'-0" (MIN.) TO EDGE OF ROAD

1'-6"

1'-6"

3"

7' MIN.

3.5' MIN.

SEE NOTE 1

NOTES:

1. SIGNS SHALL BE SECURELY MOUNTED ON (2) 4" X 4" POSTS. DRILL TWO 1 1/2" HOLES ORIENTED PARALLEL TO SIGN WHEN NO CURB GUTTER AND SIDEWALK ARE PRESENT.
2. OUTSIDE DIMENSIONS SHALL BE 4' X 8'.
3. LETTERS AND BORDER SHALL BE BLACK ON WHITE BACKGROUND.
4. CITY LOGO TO BE MINIMUM 18" WITH CURRENT CITY COLORS.
5. TEXT STYLE, SIZE, AND SPACING TO BE AS SHOWN IN DRAWING,
6. MOUNTING PER CALTRANS STANDARD RS2 (TWO POST INSTALLATION)

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

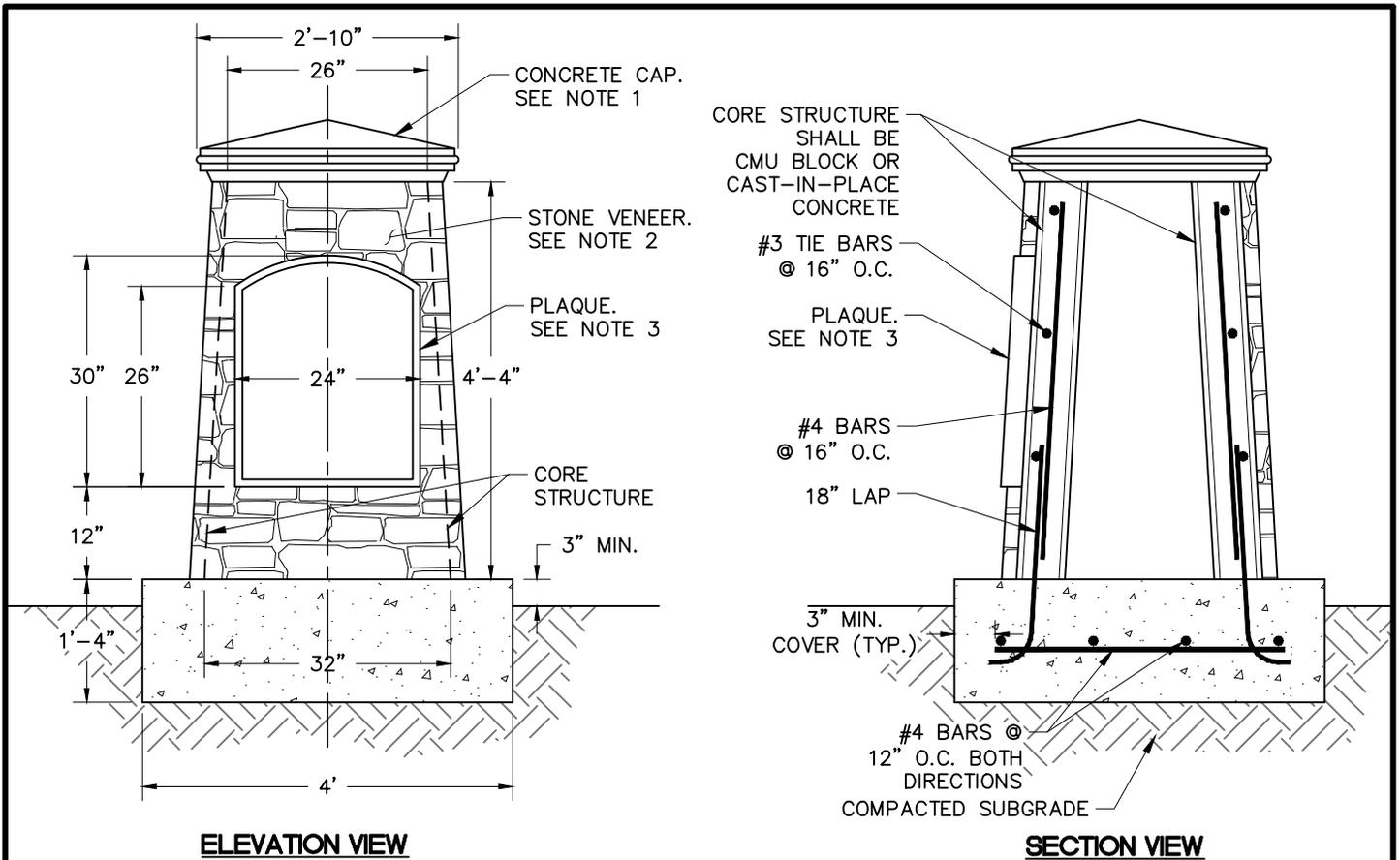


CITY OF MENIFEE

PROJECT SIGN

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **819** SHEET 1 OF 1

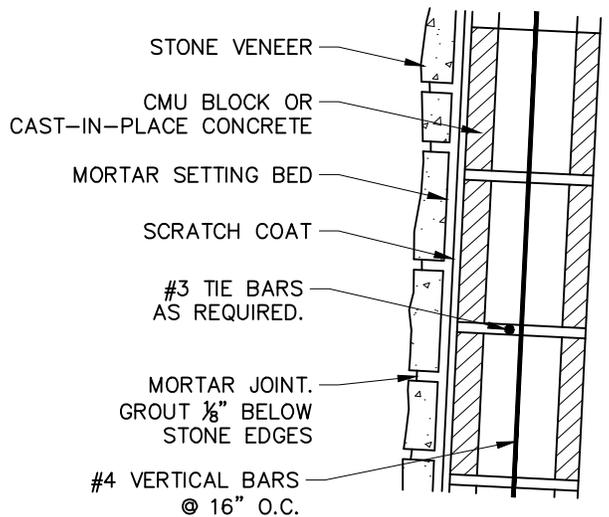


ELEVATION VIEW

SECTION VIEW

NOTES:

1. CONCRETE CAP SHALL BE MANUFACTURED BY LITE STONE CONCRETE. PRODUCT No. PC2-30, NATURAL GRAY, LIGHT AGED FINISH. OR APPROVED EQUAL. CONCRETE CAP SHALL BE MECHANICALLY FASTENED TO CORE STRUCTURE.
2. STONE VENEER SHALL BE MANUFACTURED BY EL DORADO PRODUCTS, TYPE: FIELDLEDGE STONE, COLOR: ANDANTE. OR APPROVED EQUAL.
3. SEE STANDARD DETAIL No. 901 FOR PLAQUE AND LETTERING DETAILS.
4. CONCRETE SHALL BE CLASS 560-C-3250.
5. MONUMENT LOCATION SHALL BE APPROVED PRIOR TO CONSTRUCTION.



NOTE:
METAL LATH UNDER SCRATCH COAT REQUIRED WHEN PLACING OVER CAST-IN-PLACE CONCRETE

WALL SECTION DETAIL

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

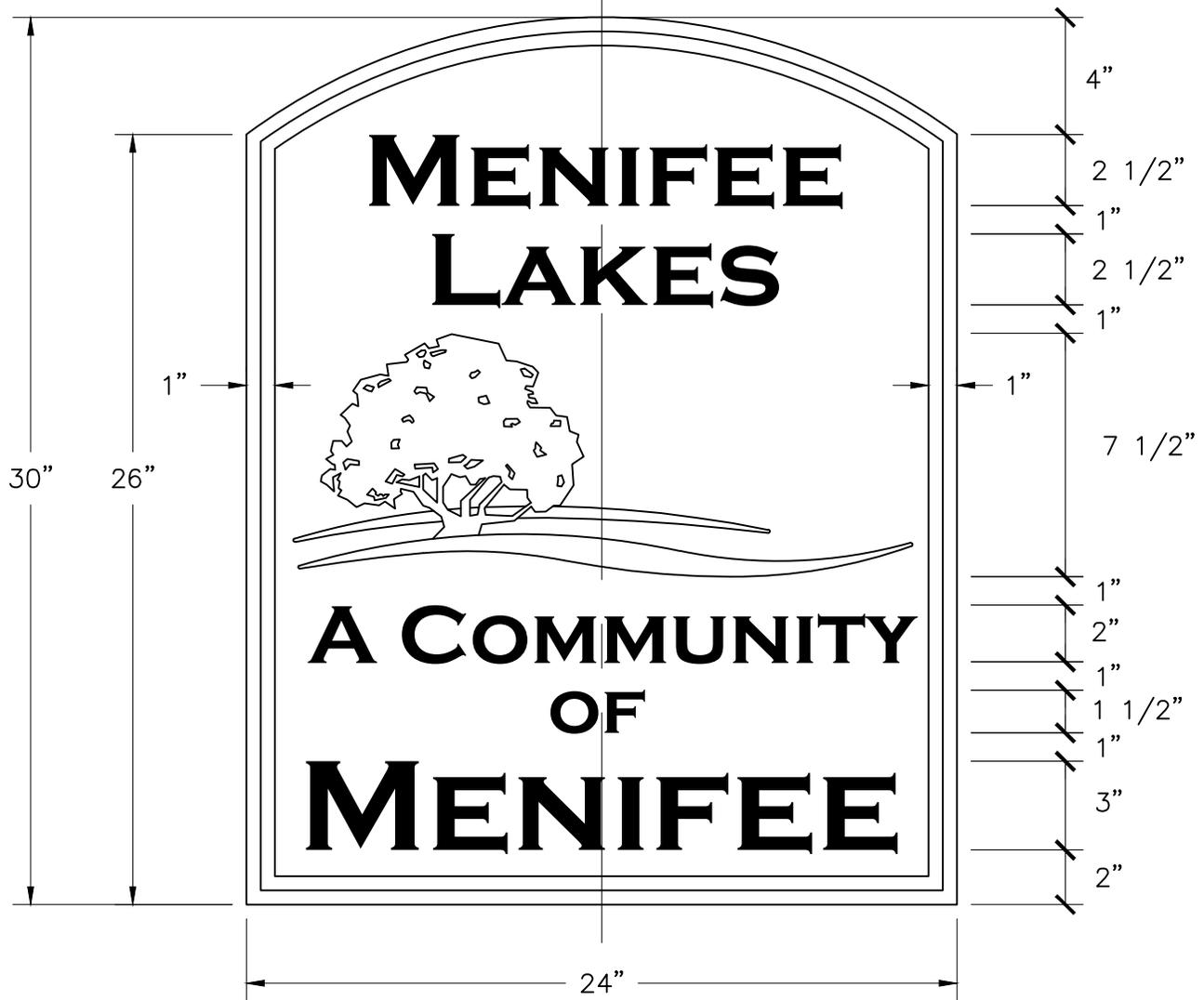


CITY OF MENIFEE

**PILASTER MONUMENT
SIGN**

STANDARD PLAN NO. **900** SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE



NOTES:

1. PLAQUE SHALL BE MANUFACTURED BY LITE STONE CONCRETE; NATURAL GRAY COLOR, LIGHT AGED FINISH. OR APPROVED EQUAL. PLAQUE SHALL BE FASTENED W/ NON-CORROSIVE ANCHOR BOLTS TO WALL PER MANUFACTURER'S RECOMMENDATION.
2. LETTERING AND LOGO SHALL BE CUSTOM LASER CUT 1/8" PAINTED ALUMINUM BY GM&J LASER CUTTING INC. OR APPROVED EQUAL.
3. LETTERING SHALL BE COPPER PLATE GOTHIC GOLD.
4. CONTACT THE CITY ENGINEERING DEPARTMENT FOR LOGO PATTERN AND COLORS.
5. LETTERING AND LOGO SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

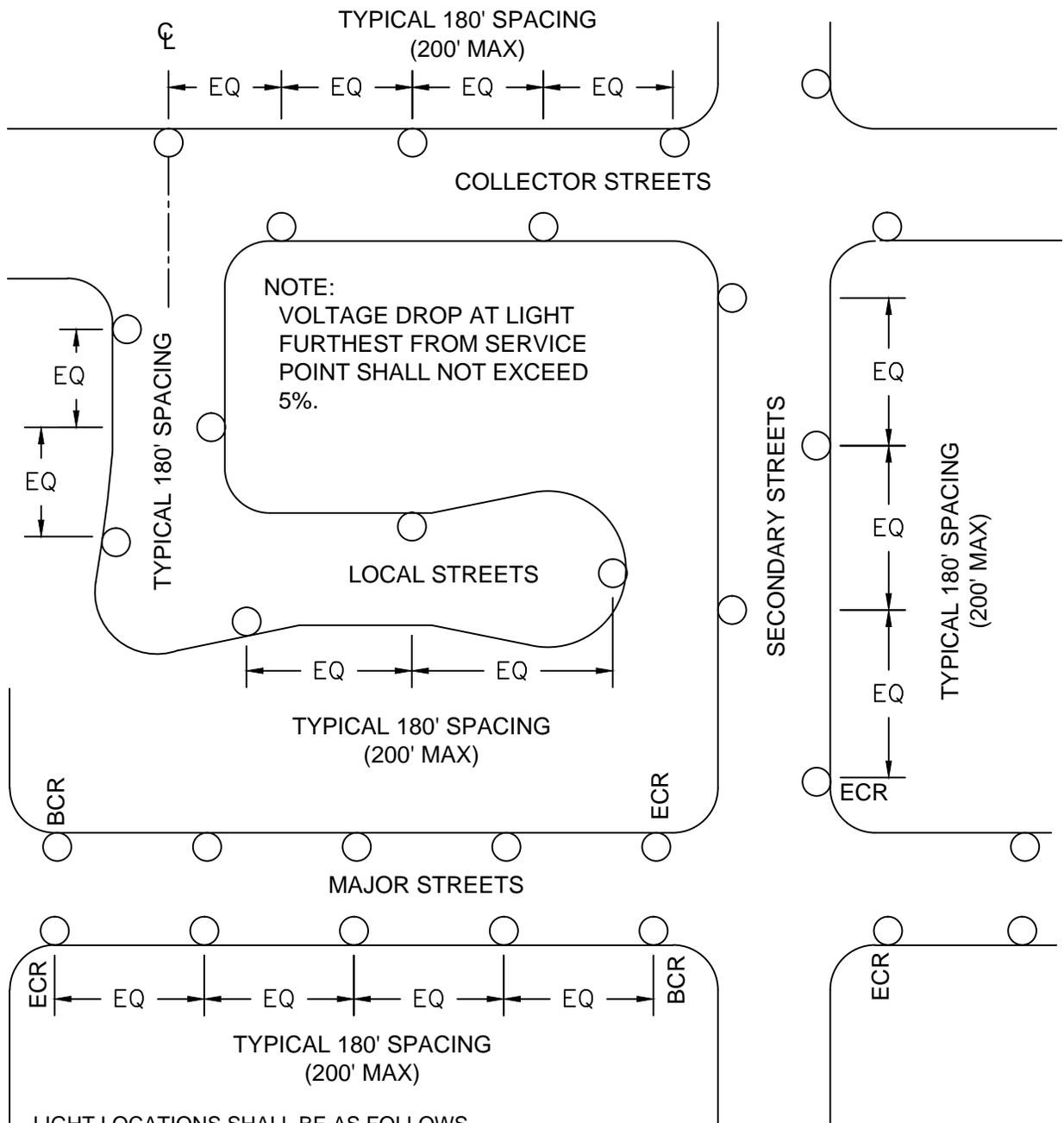


CITY OF MENIFEE

MONUMENT PLAQUE

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **901** SHEET **1** OF **1**



- LIGHT LOCATIONS SHALL BE AS FOLLOWS.
1. AT ALL BCR'S OR ECR'S ON MAJOR STREETS.
 2. AT ALL ECR'S ON ALL OTHER STREETS.
 3. AT OPPOSITE CURB ON EXTENDED CENTERLINE ON "T" INTERSECTION.
 4. AT CENTER OF CUL-DE-SAC CURB.
 5. FINAL LAYOUT SHALL BE REQUIRED AND APPROVED BY PUBLIC WORKS INSPECTOR

APPROVED BY:

Jonathan George Smith

3/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

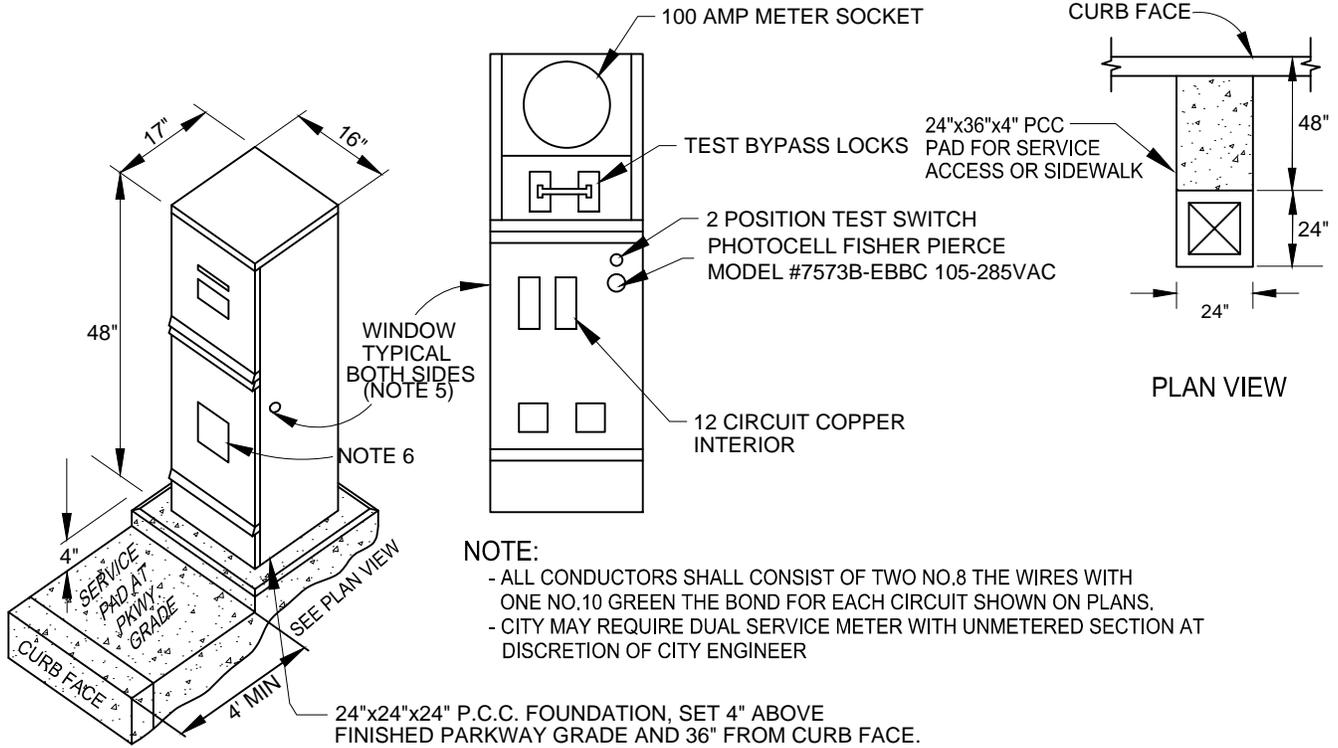


CITY OF MENIFEE

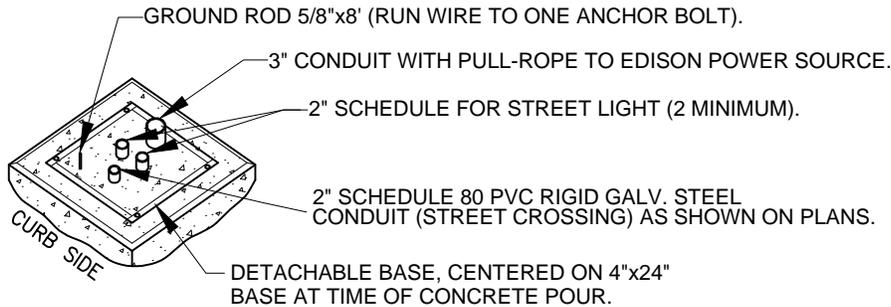
STREET LIGHT
LOCATIONS

REVISION	BY:	APPROVED	DATE

MYERS CABINET NO. USP16-2M2100-188CTB-AL FOR SINGLE METER WITH UNMETERED SECTION
 MYERS CABINET NO. USPD-3M21000-1888CTB2-AL FOR DUAL METER WITH UNMETERED SECTION
 ANODIZED ALUMINUM OR STAINLESS STEEL.



NOTE:
 - ALL CONDUCTORS SHALL CONSIST OF TWO NO.8 THE WIRES WITH ONE NO.10 GREEN THE BOND FOR EACH CIRCUIT SHOWN ON PLANS.
 - CITY MAY REQUIRE DUAL SERVICE METER WITH UNMETERED SECTION AT DISCRETION OF CITY ENGINEER



NOTES:

1. THE SERVICE CABINET IS DIVIDED INTO 2 SECTIONS - THE BACK HALF IS THE POWER SECTION AND THE FRONT (CURB SIDE) HALF IS THE SERVICE SECTION. WHEN PLACING SWEEP IN BASE, THE 3" CONDUIT SHALL BE LOCATED IN THE BACK (POWER) SECTION AND THE 1" AND/OR 1 1/2" CONDUIT AND THE GROUND ROD SHALL BE LOCATED IN THE FRONT (SERVICE) SECTION AS SHOWN.
2. IF TWO SEPARATE CIRCUITS ARE PULLED THROUGH THE SAME CONDUIT, THE WIRES SHALL BE COLOR-CODED RED OR BLACK FOR EASY IDENTIFICATION AT THE PULL BOX.
3. ALL CONCRETE SHALL BE TYPE 560-C-3250.
4. THE CABINET DOOR AND ELECTRIC METER WINDOW SHALL FACE THE CURB.
5. COVERPLATE MAY BE REQUIRED FOR ONE OF THE SPECIFIED WINDOWS.
6. ALL SERVICE CABINETS SHALL CONTAIN AN ADDRESS LABEL CONSTRUCTED FROM 12" WIDE X 8" HIGH WHITE REFLECTIVE SELF-ADHESIVE MATERIAL. THE ADDRESS NUMBERS AND STREET NAME SHALL BE 1 1/2" BLACK SELF-ADHESIVE LABELS.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

DATE

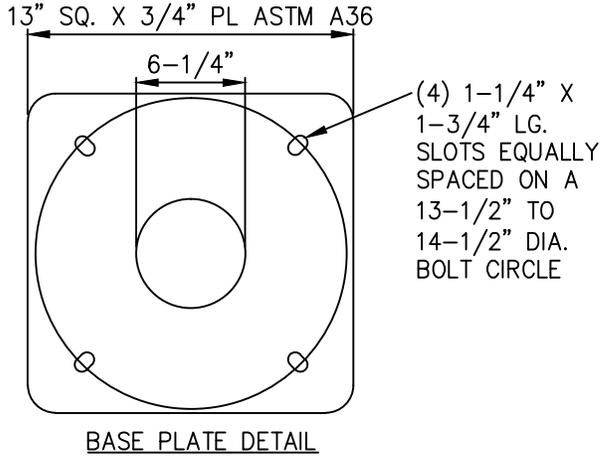
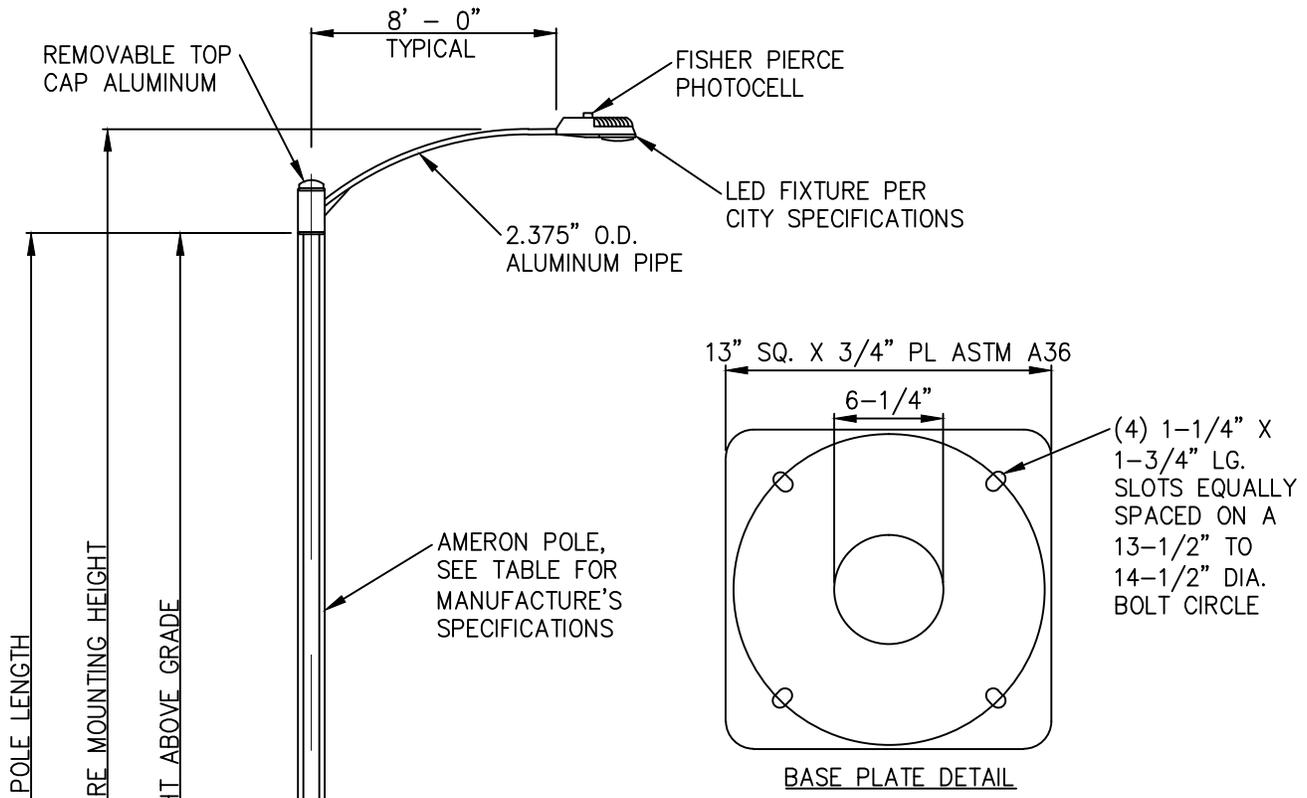


CITY OF MENIFEE

STREET LIGHTS
 SERVICE CABINET

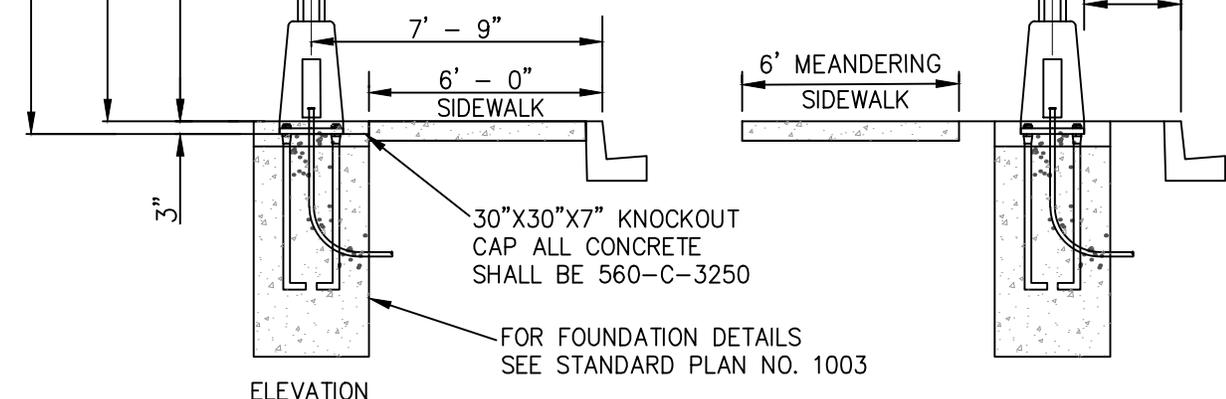
STANDARD PLAN NO. 1001 SHEET 1 OF 1

REVISION	BY:	APPROVED	DATE
1	NM	JS	2/15/2016



POLE SPECIFICATIONS				
POLE DESIGNATION	POLE HEIGHT	OVERALL POLE LENGTH	BOLT CIRCLE	BASE O.D.
2B224	24'-1"	24'-4"	14"	11-3/4"
2B226	26'-4"	26'-7"	14"	11-3/4"

*NOTE: USE 2B224 FOR LOCAL STREETS. USE 2B226 FOR ARTERIAL, MAJOR, COLLECTOR STREETS.



APPROVED BY:

 8/15/2015
 DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

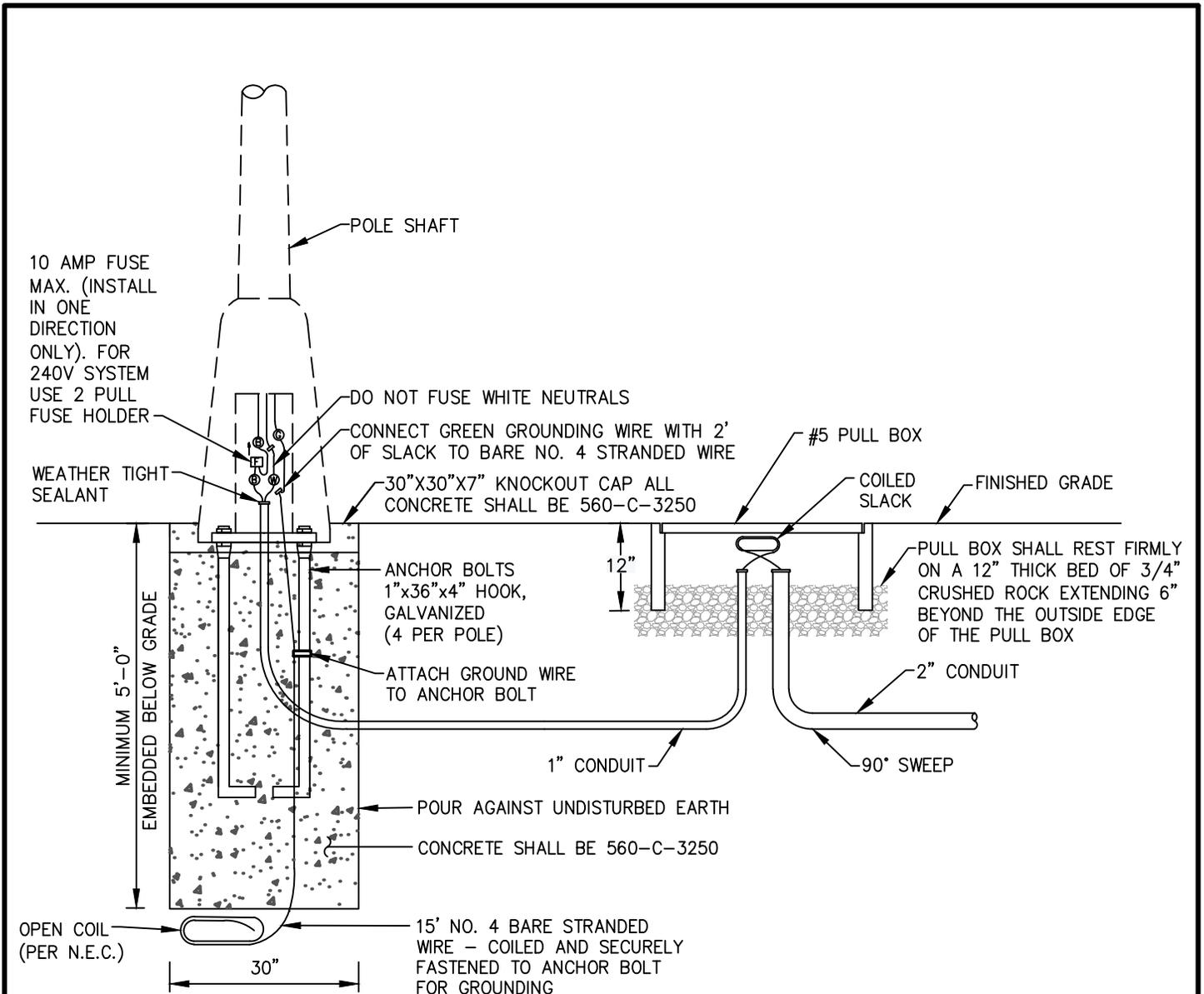
REVISION	BY:	APPROVED	DATE



CITY OF MENIFEE

LED STREET LIGHTS FOR LOCAL, ARTERIAL, MAJOR AND COLLECTOR STREETS

STANDARD PLAN NO. **1002** SHEET 1 OF 1



NOTES:

- 1) CONDUIT SHALL ENTER PULL BOX WITH A 90° SWEEP.
- 2) STREET LIGHT PULL BOX SHALL BE 5' MAX AWAY FROM STREET LIGHT POLE.
- 3) ALL CONDUIT SHALL BE SCHEDULE 80 PVC.
- 4) ALL HARDWARE TO BE STAINLESS STEEL.
- 5) ALL STEEL COMPONENTS GALVANIZED BEFORE FINISH PAINTED.
- 6) RECOMMENDED FOUNDATION DESIGN PER POLE MANUFACTURER SPECIFICATIONS.
- 7) STREET LIGHT WIRE INSULATION MARKINGS SHALL BE PER LATEST GREENBOOK SPECIFICATIONS.

APPROVED BY:

Jonathan George Smith

8/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

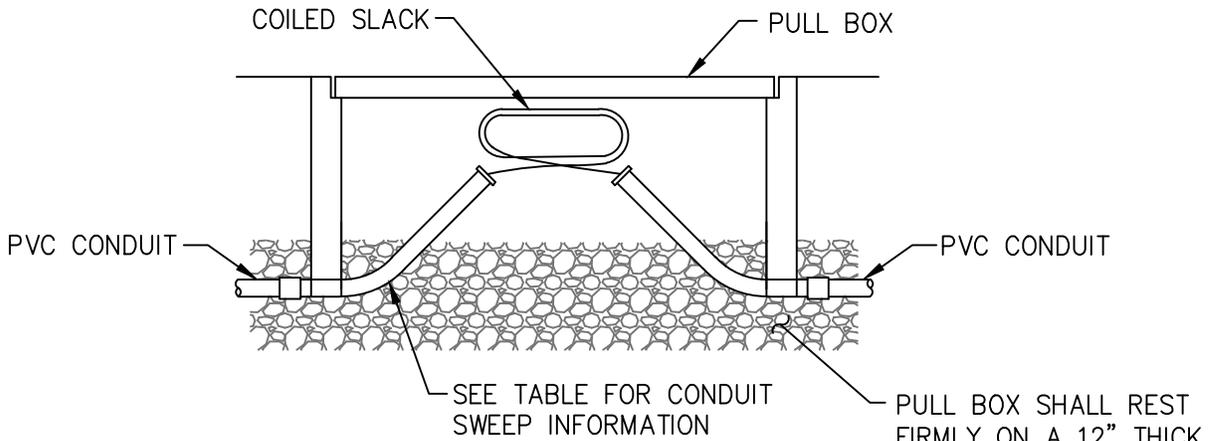


CITY OF MENIFEE

STREET LIGHT FOUNDATION
WITH PULL BOX

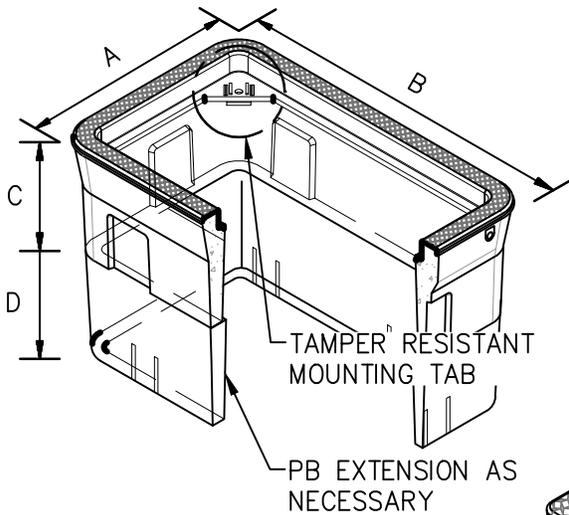
REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. 1003 SHEET 1 OF 1



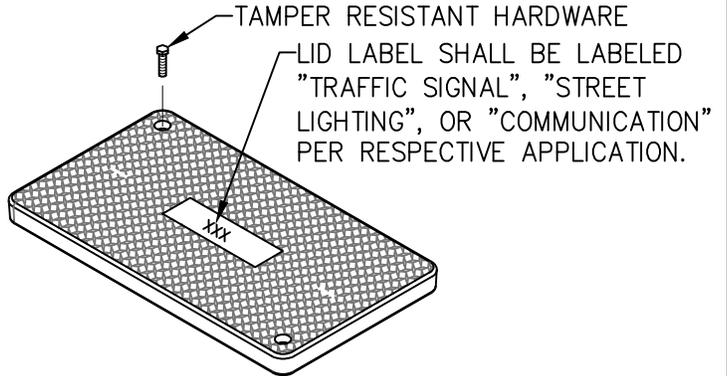
TYPICAL CONDUIT SWEEPS	
CONDUIT USE	MAX. CONDUIT SWEEP
FIBER OPTIC	45° PVC
STREET LIGHT	90° PVC
TRAFFIC SIGNAL	90° PVC

PULL BOX SHALL REST FIRMLY ON A 12" THICK BED OF 3/4" CRUSHED ROCK EXTENDING 6" BEYOND THE OUTSIDE EDGE OF THE PULL BOX



LID INFORMATION

- ETCHED POLYPROPYLENE FACE
- FACE ANCHORED IN CONCRETE
- ULTRA-VIOLET INHIBITOR



MINIMUM PB DIMENSIONS			
	#3 1/2 PB	#5 PB	#6 PB
A	14"	18"	22"
B	19"	28"	34"
C	12"	12"	12"
D	-	12"	12"

*FOR PREFERRED MANUFACTURER AND ADDITIONAL PULL BOX INFORMATION SEE CITY SPECIFICATIONS.

APPROVED BY:

Jonathan D. Li

8/15/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

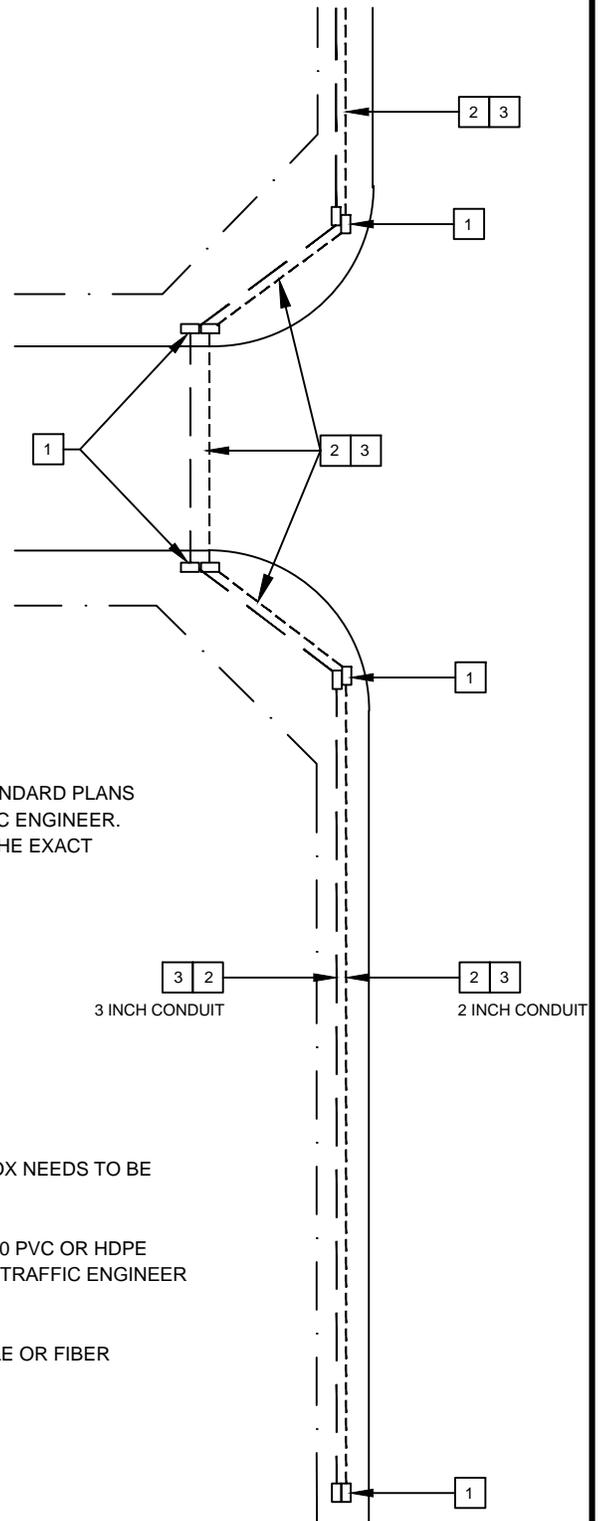


CITY OF MENIFEE

PULL BOX DETAIL

REVISION	BY:	APPROVED	DATE
2	NM	JS	2/15/2016

STANDARD PLAN NO. **1004** SHEET 1 OF 1



NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO CURRENT CALTRANS STANDARD PLANS AND SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER.
2. THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE SHALL APPROVE THE EXACT LOCATION OF ALL CONDUIT AND PULL BOXES.
3. CONDUITS SHALL BE 24 INCH MINIMUM BELOW FINISHED SURFACE.

1. FURNISH AND INSTALL NO. 6 PULL BOX. (200 FT SPACING TYPICAL) PULL BOX NEEDS TO BE GROUTED WITH A DRAIN HOLE AND GROUNDING ROD.
2. FURNISH AND INSTALL ONE NEW 2 INCH AND ONE NEW 3 INCH SCHEDULE 80 PVC OR HDPE CONDUIT, WITH 45° SWEEPS INTO PULL BOXES AS APPROVED BY THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE. 6" MIN. SEPARATION BETWEEN CONDUITS.
3. FURNISH AND INSTALL MULE TAPE OR 12 PAIR NO. 19 INTERCONNECT CABLE OR FIBER OPTICAL CABLES AS DIRECTED BY THE CITY TRAFFIC ENGINEER.

APPROVED BY:

Jonathan George Smith

4/15/2015

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

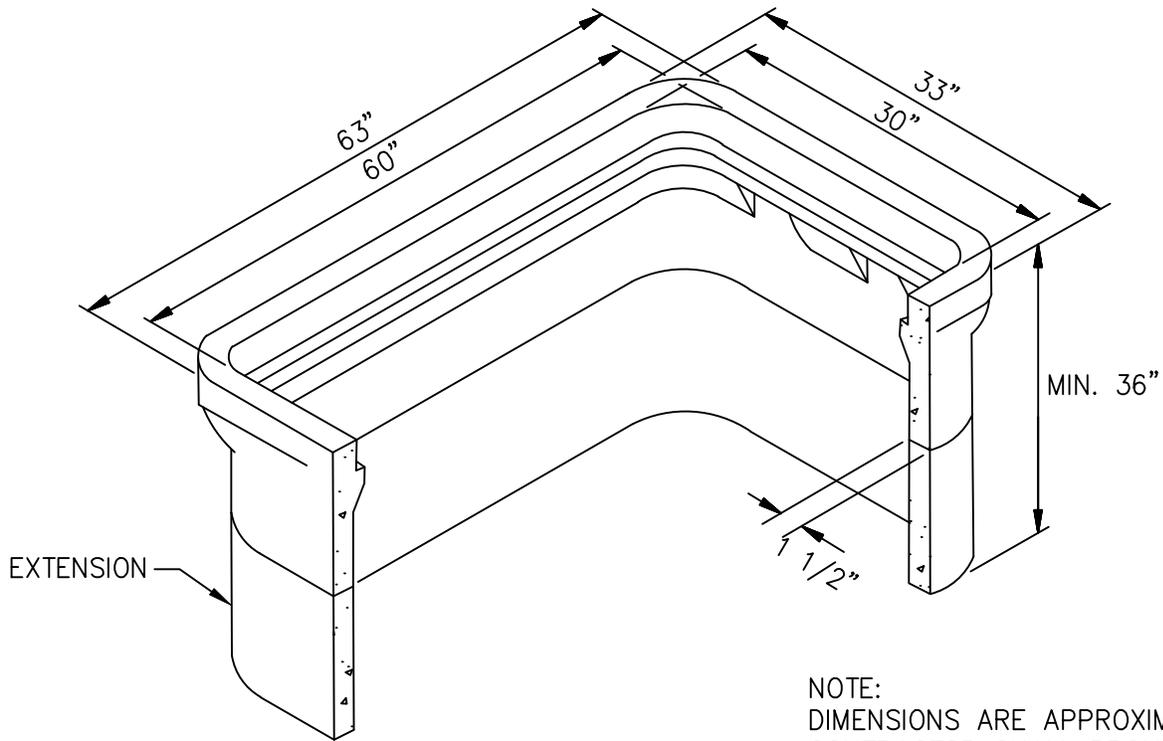


CITY OF MENIFEE

CONDUIT INSTALLATION

REVISION	BY:	APPROVED	DATE
1	NM	JS	2/15/2016

STANDARD PLAN NO. **1005** SHEET **1** OF **1**



NOTE:
 DIMENSIONS ARE APPROXIMATE.
 CONTRACTOR SHALL PROVIDE
 VAULT PER MANUFACTURER'S BUILD
 SPECIFICATIONS.

VAULT MUST HAVE EXTENSION AND GALVANIZED STEEL LID WITH RAISED WELD "CITY OF MENIFEE COMMUNICATIONS".

FIBER OPTIC VAULT WITH EXTENSION DETAIL
 N.T.S.

APPROVED BY:

Jonathan George Smith

8/15/2015

DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

DATE

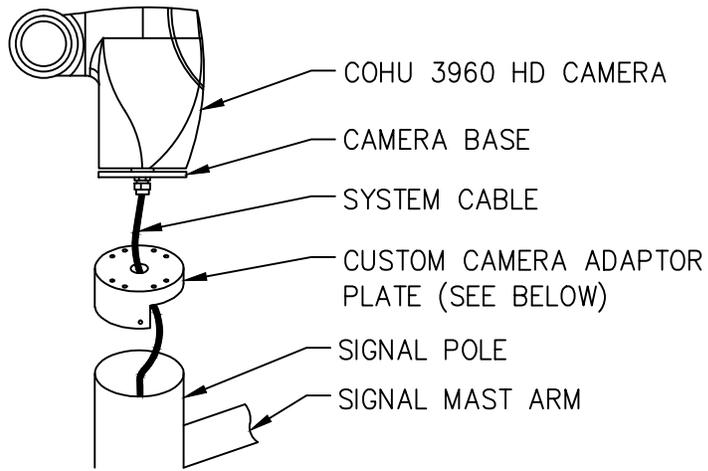


CITY OF MENIFEE

FIBER OPTIC
 VAULT DETAIL

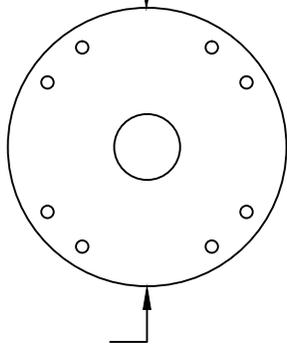
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STANDARD PLAN NO. **1006** SHEET 1 OF 1

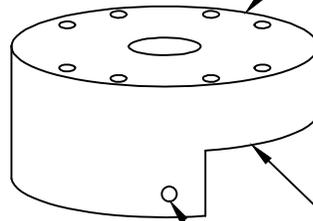


POLE MOUNT DETAIL
 N.T.S.

DIAMETER PER POLE
 TOP MEASUREMENT



GALVANIZED STEEL
 PER CALTRANS
 SPECIFICATIONS



LUMINAIRE ARM NOTCH
 3 HOLES ON SIDE OF ADAPTOR
 POLE THREADED TO MATCH.
 INSTALL STAINLESS STEEL
 BOLTS.

CUSTOM CAMERA ADAPTOR PLATE
 N.T.S.

APPROVED BY:

Jonathan George Smith

8/15/2015

DIRECTOR OF PUBLIC WORKS
 JONATHAN GEORGE SMITH

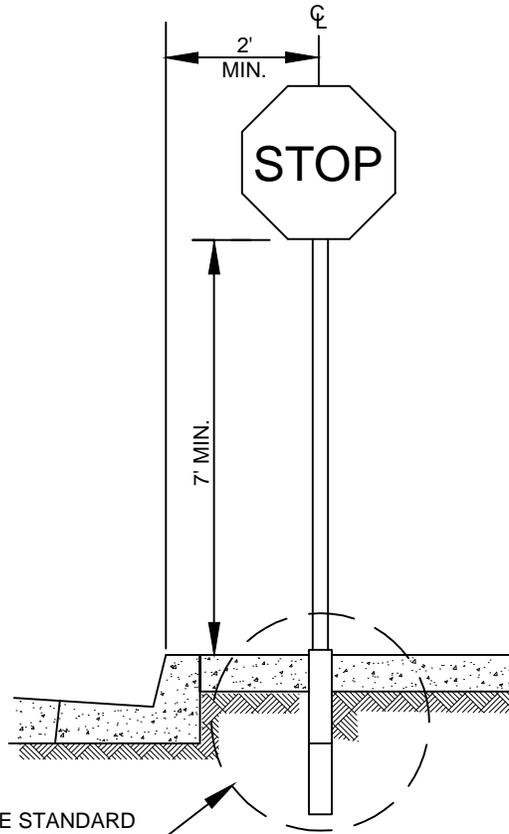
DATE



CITY OF MENIFEE

**CAMERA ADAPTOR
 PLATE DETAIL**

REVISION	BY:	APPROVED	DATE



NOTES:

1. STOP SIGNS ARE REQUIRED FOR TRAFFIC CONTROL ON ALL LOCAL STREETS INTERSECTING WITH DESIGNATED "THROUGH STREETS" EXCEPT WHERE CONTROL IS BY A TRAFFIC SIGNAL SYSTEM OR WHERE APPROVED BY THE CITY ENGINEER.
2. STOP SIGNS SHALL BE INSTALLED PER THE ABOVE DRAWING.
3. STOP BARS AND "STOP" LEGEND SHALL BE PAINTED IN CONJUNCTION WITH ALL STOP SIGNS. (SEE STANDARD No. 1201)
4. SEE STANDARD No. 817 FOR POST, ANCHOR AND BASE DETAIL AND INSTALLATION.
5. THE STOP SIGN SHALL BE 36" X 36" HIGH INTENSITY GRADE REFLECTORIZED ON ALL COLLECTOR AND MAIN ARTERIALS AND COVERED WITH 3M 1160 GRAFFITI SHEETING ON 0.080 ALUMINUM. ALL OTHER APPLICATION USE 30" X 30" SIZE SIGN WITH HIGH INTENSITY GRADE WITH 3M 1160 GRAFFITI SHEETING ON 1080 ALUMINUM.
6. STOP SIGN SHALL BE PLACED PREFERABLY ON THE SAME POST AS THE STREET NAME SIGN WHERE APPLICABLE. SEE STANDARD No.816 FOR SIGN LOCATION.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE

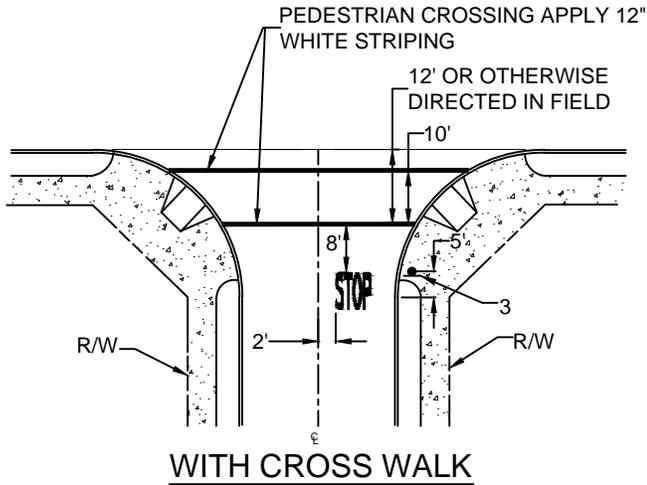


CITY OF MENIFEE

STOP SIGN INSTALLATION

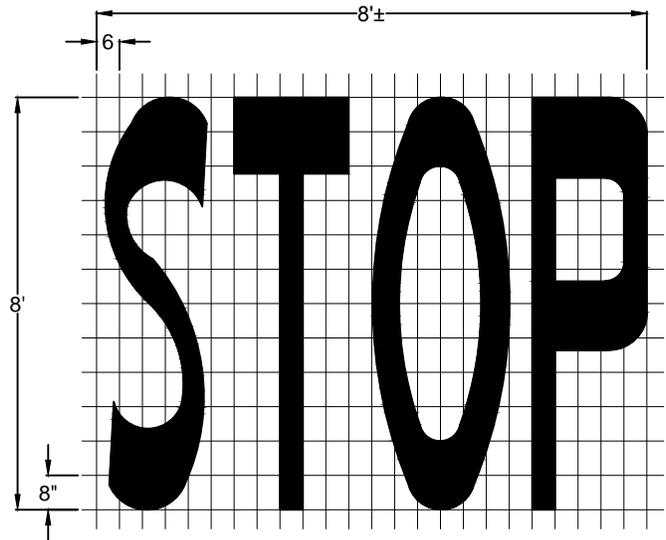
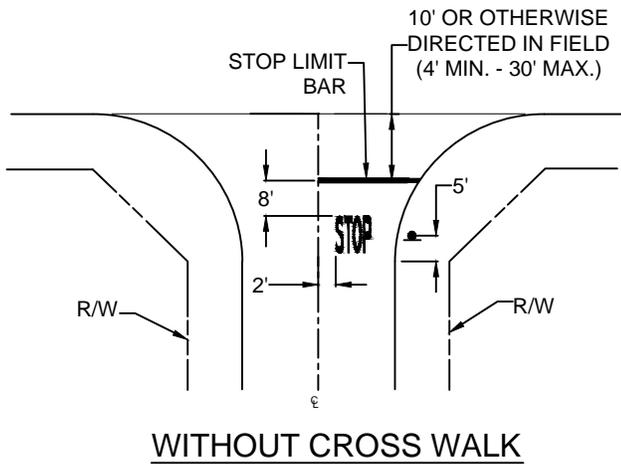
REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. **1200** SHEET **1** OF **1**



NOTES:

1. ALL LETTERS AND STOP BAR WILL BE IN THERMOPLASTIC AND IN CONFORMANCE WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS APPROVED BY CALTRANS STANDARD PLANS (LATEST EDITION). LETTERS WILL BE 8' IN HEIGHT, OR AS REQUIRED BY THE PUBLIC WORKS DIRECTOR.
2. ONE STOP LEGEND SHALL BE INSTALLED IN EACH TRAVEL LANE.
3. SEE STANDARD PLAN 1200 FOR STOP SIGN INSTALLATION.



APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



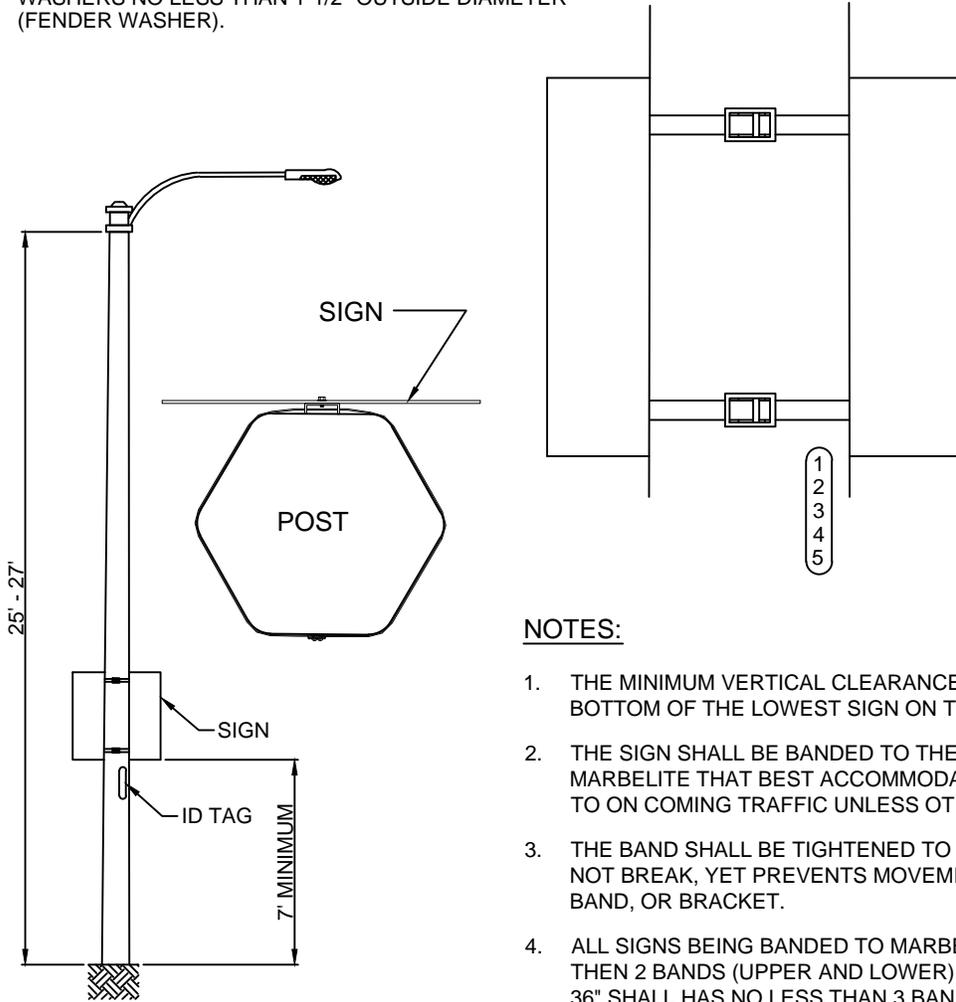
CITY OF MENIFEE

STOP BAR PLACEMENT

REVISION	BY:	APPROVED	DATE

STANDARD PLAN NO. 1201 SHEET 1 OF 1

- BANDIT - 206 STAINLESS STEEL
3/4" OR 19.05mm WIDTH
0.030" OR 0.76mm THICKNESS
- BRACKET - BANDIT, D021 STAINLESS STEEL BOLT
AND WASHER FLARED LEG STAINLESS STEEL.
- BUCKLES - BANDIT, C256. EAR LOCKED
TYPE 201 STAINLESS STEEL 3/4" OR 19.05mm.
- BOLTS - 1" X 5/16" COARSE THREAD STAINLESS STEEL.
- WASHERS - ALL SIGNS SHALL BE INSTALLED WITH 5/16" ZINC
COATED WASHERS LARGER THAN THE HEAD OF THE BOLT.
ANY SIGN 24" OR LARGER SHALL BE INSTALLED WITH
WASHERS NO LESS THAN 1" OUTSIDE DIAMETER
ANY SIGN 30" OR LARGER SHALL BE INSTALLED WITH
WASHERS NO LESS THAN 1-1/2" OUTSIDE DIAMETER
(FENDER WASHER).



NOTES:

1. THE MINIMUM VERTICAL CLEARANCE SHALL BE 7' TO THE BOTTOM OF THE LOWEST SIGN ON THE MARBELITE.
2. THE SIGN SHALL BE BANDED TO THE FLAT SURFACE OF THE MARBELITE THAT BEST ACCOMMODATES A 90 DEGREE ANGLE TO ON COMING TRAFFIC UNLESS OTHERWISE SPECIFIED.
3. THE BAND SHALL BE TIGHTENED TO A POINT AT WHICH IT DOES NOT BREAK, YET PREVENTS MOVEMENT BY HAND OF THE SIGN, BAND, OR BRACKET.
4. ALL SIGNS BEING BANDED TO MARBELITE SHALL HAVE NO LESS THEN 2 BANDS (UPPER AND LOWER). ANY SIGN LARGER THAN 36" SHALL HAS NO LESS THAN 3 BANDS (UPPER, LOWER, AND MIDDLE)
5. UNDER NO CIRCUMSTANCES SHALL THE BANDS COVER THE IDENTIFICATION TAG ON THE MARBELITE.

APPROVED BY:

Jonathan George Smith

2/5/2014

DIRECTOR OF PUBLIC WORKS
JONATHAN GEORGE SMITH

DATE



CITY OF MENIFEE

**MARBELITE SIGN
INSTALLATION**

STANDARD PLAN NO. **1202** SHEET **1** OF **1**

REVISION	BY:	APPROVED	DATE