City
of
Monte Sereno

PUBLIC WORKS
STANDARD DETAILS

Date Adopted: October 17, 2017
Resolution No. 3664
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<table>
<thead>
<tr>
<th>STREET NAME</th>
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<th>ROW WIDTH (FT.)</th>
<th>DESCRIPTION</th>
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<td>40–50</td>
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<td>HILLVIEW DR</td>
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<td>20</td>
<td>(N &amp; W 1/2) OAK DRIVE SE</td>
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<td>SAN TOMAS–AQUINO CREEK SW COUNTY LINE</td>
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<tr>
<td>OAK DR</td>
<td>.08 MILES</td>
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<td>E END, WT TO NOE</td>
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STREETS WITHIN CITY JURISDICTION

CITY OF MONTE SERENO
PUBLIC WORKS DEPARTMENT

PUBLIC WORKS DIRECTOR DATE REVISED

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<td>(NE 1/2 ONLY) SE OF LOT 11</td>
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<td>50</td>
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<td>50</td>
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NOTES:
1. GUTTER PAN WIDTH TO BE DETERMINED AT THE DISCRETION OF CITY PUBLIC WORKS
2. AT THE DISCRETION OF THE PROJECT INSPECTOR, ADDITIONAL CONFORM GRADING MAY BE REQUIRED, AS NECESSARY, TO MAINTAIN A MINIMUM 2% CROSS SLOPE
3. FOR A 12" WIDE GUTTER PAN, DROP FROM LIP OF GUTTER SHALL BE 1". FOR AN 18" WIDE GUTTER PAN, DROP FROM LIP OF GUTTER SHALL BE 1.5"
4. HEIGHT OF AC DIKE TO BE DETERMINED AT THE DISCRETION OF CITY PUBLIC WORKS
NOTES
1. W.P. JOINTS REQUIRED ON CENTERLINE OF DRIVEWAYS AND AT CONNECTIONS OF NEW CURB & GUTTER TO EXISTING CURB & GUTTER.
2. PLACE SCORE MARKS AT 1/4 POINTS ON DRIVEWAYS.
3. WHEN THE DRIVEWAY IS NOT POURED MONOLITHIC WITH CURB AND GUTTER, INSTALL DOWELS (12" OF NO. 4 REBAR) AT 4' INTERVALS AS SHOWN IN SECTION A-A (REBARS TO BE BENT DOWN AND COVERED UNTIL USED).
4. DOWEL ALL NEW CURB AND GUTTER TO EXISTING CURB AND GUTTER. SEE DETAIL 1
5. GUTTER PAN WIDTH TO BE DETERMINED AT DISCRETION OF CITY PUBLIC WORKS
6. AT THE DISCRETION OF THE PROJECT INSPECTOR, ADDITIONAL CONFORM GRADING MAY BE REQUIRED, AS NECESSARY, TO MAINTAIN A MINIMUM 2% CROSS SLOPE. PAVEMENT TO BE PLACED 1/4" ABOVE LIP OF PAN.
7. SUBGRADE AND CLASS 2 AB SHALL BE COMPACTED TO MINIMUM 95%.

SECTION A-A

RESIDENTIAL
DRIVEWAY
(NO PATHWAY)
NOTES
1. W.P. JOINTS REQUIRED ON CENTERLINE OF DRIVEWAYS AND AT CONNECTIONS OF NEW CURB & GUTTER TO EXISTING CURB & GUTTER.
2. PLACE SCORE MARKS AT 1/4 POINTS ON DRIVEWAYS.
3. WHEN THE DRIVEWAY IS NOT POURED MONOLITHIC WITH CURB AND GUTTER, INSTALL DOWELS (12" OF NO. 4 REBAR) AT 4' INTERVALS AS SHOWN IN SECTION A-A (REBARS TO BE BENT DOWN AND COVERED UNTIL USED).
4. DOWEL ALL NEW CURB AND GUTTER TO EXISTING CURB AND GUTTER; SEE DETAIL 1
5. GUTTER PAN WIDTH TO BE DETERMINED AT DISCRETION OF CITY PUBLIC WORKS
6. AT THE DISCRETION OF THE PROJECT INSPECTOR, ADDITIONAL CONFORM GRADING MAY BE REQUIRED, AS NECESSARY, TO MAINTAIN A MINIMUM 2% CROSS SLOPE. PAVEMENT TO BE PLACED 1/4" ABOVE LIP OF PAN
7. SUBGRADE AND CLASS 2 AB SHALL BE COMPACTED TO MINIMUM 95%
CASE 1: AC PAVEMENT ON BOTH SIDES

N.T.S.

CASE 2: PAVERS ON ONE SIDE

N.T.S.

NOTES:
1. VALLEY GUTTER WIDTH TO BE DETERMINED AT THE DISCRETION OF CITY PUBLIC WORKS
2. CONCRETE VALLEY GUTTER SHALL BE INSTALLED PRIOR TO PAVING OR REMOVE 12" WIDE BAND
   OF PAVEMENT AND MILL EX. PAVEMENT 3". SEE STANDARD CURB DRAWING NO. PW-1
3. INSTALL WEAKENED PLANE JOINTS AT 10" INTERVALS (MAX)
4. AT THE DISCRETION OF THE PROJECT INSPECTOR, ADDITIONAL CONFORM GRADING FOR AC
   PAVEMENT MAY BE REQUIRED, AS NECESSARY, TO MAINTAIN A MINIMUM 2% CROSS SLOPE
5. SEE DRAWING NO. PW-7 FOR PAVERS DETAIL

CITY OF MONTE SERENO
PUBLIC WORKS DEPARTMENT

PUBLIC WORKS DIRECTOR DATE REVISED

VALLEY GUTTER

DRAWING NO.
PW-4
**Grate & Frame**

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<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>No. of Ribs</th>
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<td>30&quot;</td>
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<td>1&quot;</td>
<td>3/4&quot;</td>
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<td>26&quot;</td>
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<td>1 1/4&quot;</td>
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<td>42&quot;</td>
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<td>2 1/2&quot;</td>
<td>38&quot;</td>
<td>1&quot;</td>
<td>1 1/4&quot;</td>
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<td>15</td>
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**Concrete Box**

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**Section A-A**

**Section B-B**

*3'-0" to 3'-6"*
NOTE:
CONSTRUCTION JOINT PERMITTED WHEN CATCH BASIN TOP IS RECONSTRUCTED. PLACE #4x12" DOWELS AT EACH CONSTRUCTION JOINT. DRILL HOLES, BLOW CLEAN AND SET DOWELS IN EPOXY.

SECTION A-A
SHOWING CONCRETE BOX N.T.S.

SECTION B-B

FACE OF CURB

LIP OF GUTTER

10 BARS OF 1" EA SPACED EQUALLY

36"
PERMEABLE PAVERS ADJACENT TO LANDSCAPING

PERMEABLE CONCRETE PAVERS, 3\(\frac{1}{8}\)" THICK

TYP. NO. 8 AGGREGATE IN OPENINGS

VARI ES

LANDSCAPING

VARI ES

PERFORATED PIPE (SLOPE AT 0.50% MIN W/ PERFORATIONS DOWN) WHERE REQUIRED DUE TO POOR DRAINING SUBGRADE

FLAT BOTTOM TOS ELEVATION

OPTIONAL GEOTEXILE ON BOTTOM AND SIDES OF OPEN-GRADED BASE

PERMEABLE PAVERS FOR DRIVEWAYS

NOTES

CONTRACTOR OR PERMITEE SHALL:

- PROVIDE CERTIFICATION FROM THE PAVER MANUFACTURER THAT THE PAVERS MEET THE REQUIREMENTS OF THE C3 STORMWATER HANDBOOK FOR PERVEROS PAVERS. THIS INCLUDES, BUT IS NOT LIMITED TO, HAVING A MINIMUM SURFACE INFILTRATION RATE OF 100"/HR WHEN TESTED IN ACCORDANCE WITH ASTM C1701.
- ONLY CONTRACTORS HOLDING CERTIFICATION OF COMPLETION IN THE INTERLOCKING CONCRETE PAVEMENT INSTITUTES PERMEABLE INTERLOCKING CONCRETE PAVEMENT INSTALLER TECHNICIAN COURSE SHALL BE USED TO INSTALL THE PAVERS AND AT LEAST ONE FOREMAN WITH THIS CERTIFICATION MUST BE ON THE JOBSITE AT ALL TIMES DURING CONCRETE PAVER INSTALLATION.
- PROTECT THE EXCAVATED AREA FOR PERMEOS PAVERS FROM EXCESSIVE COMPACTION DUE TO CONSTRUCTION TRAFFIC AND PROTECT THE FINISHED PAVEMENT FROM CONSTRUCTION TRAFFIC.

CITY OF MONTE SERENO
PUBLIC WORKS DEPARTMENT

PUBLIC WORKS DIRECTOR DATE REVISED

PERMEABLE PAVER PAVEMENT

DRAWING NO.
PW-7
STEEL HEADER DETAIL
N.T.S.

NOTES:
1. SUBGRADE AND AGGREGATE BASE SHALL BE COMPACTED TO 95%
2. ASPHALT CONCRETE SHALL BE TYPE 1/2" MEDIUM
3. AGGREGATE BASE SHALL BE CLASS 2.
4. STEEL HEADERS ARE STANDARD ON BOTH SIDES OF THE AC PEDESTRIAN PATH, UNLESS ONE SIDE IS AGAINST EXISTING CONCRETE
5. MINIMUM WIDTH OF ASPHALT PEDESTRIAN PATH SHALL BE 4 FEET.
6. TYPICAL PEDESTRIAN PATH CROSS-SLOPE IS MAXIMUM 2%.
7. REFER TO MANUFACTURER’S SPECIFICATIONS FOR PROPER INSTALLATION AND STAKING OF STEEL HEADER
8. INSTALL STEEL HEADER ONLY AFTER BASE ROCK IS IN PLACE.
9. PLACE AND COMPACT BACKFILL ON OUTSIDE FACE OF STEEL HEADER BEFORE PAVING INSTALLATION.
10. PROTECT STEEL HEADER DURING CONSTRUCTION.
SECOND LAYER OF 2″ DEEP D.G. PAVING COMPACTED TO 95% DENSITY

STEEL HEADER. REFER TO DETAIL FOR INSTALLATION

ADJACENT PLANTED AREA

SUBGRADE COMPACTED TO 95% DENSITY

FIRST LAYER OF 2″ DEEP D.G. PAVING COMPACTED TO 95% DENSITY

1/4″ x 5″ STEEL EDGING, POWDER COATED BLACK UNLESS OTHERWISE SPECIFIED, FLUSH 1/2″ WITH PAVING SURFACE

PAVING SURFACE

1/4″ x 5″ STEEL EDGING, POWDER COATED BLACK UNLESS OTHERWISE SPECIFIED, FLUSH 1/2″ WITH PAVING SURFACE

ADJACENT PLANTED AREA

3/16″ x 16″ STEEL STAKE, INSTALL PER MANUFACTURER'S SPECIFICATIONS

STEEL HEADER DETAIL

N.T.S.

NOTES:

1. FIRST LAYER OF D.G. SHALL BE COMPACTED BEFORE INSTALLATION OF SECOND LAYER. (2″ MAX)
2. STEEL HEADERS ARE STANDARD ON BOTH SIDES OF THE DG PEDESTRIAN PATH, UNLESS ONE SIDE IS AGAINST EXISTING CONCRETE
3. MINIMUM WIDTH OF D.G. PEDESTRIAN PATH SHALL BE 4 FEET.
4. TYPICAL PEDESTRIAN PATH CROSS-SLOPE IS MAXIMUM 2%.
5. REFER TO MANUFACTURER'S SPECIFICATIONS FOR PROPER INSTALLATION AND STAKING OF STEEL HEADER
6. PLACE AND COMPACT BACKFILL ON OUTSIDE FACE OF STEEL HEADER BEFORE PAVING INSTALLATION.
7. PROTECT STEEL HEADER DURING CONSTRUCTION.

CITY OF MONTE SERENO
PUBLIC WORKS DEPARTMENT

DECOMPOSED GRANITE PATHWAY

DRAWING NO. PW–9

PUBLIC WORKS DIRECTOR DATE REVISED

10–18–17
NOTES:
1. SEE STANDARD DRAWINGS NO. PW-12, PW-13, AND PW-14 FOR LENGTH AND ROW WIDTH OF STREETS WITHIN THE CITY OF MONTE SERENO
2. PAVEMENT THICKNESS SHALL MATCH EXISTING OR BE DETERMINED AT DISCRETION OF CITY PUBLIC WORKS
3. SUBGRADE AND AGGREGATE BASE SHALL BE COMPACTED TO 95%
4. DRAINAGE FEATURES ON STREETS SHALL BE DETERMINED AT THE DISCRETION OF CITY PUBLIC WORKS
5. SEE CA MUTCD PART 9 FOR STRIPING REQUIREMENTS FOR BIKE LANE AND BIKE ROUTES
6. SEE STANDARD DRAWING NO. PW-10 FOR SIGN PLACEMENT REQUIREMENTS FOR BIKE LANE AND BIKE ROUTES.
7. EXACT THICKNESS OF STREET SECTIONS TO BE DETERMINED BY PROJECT SOILS ENGINEER
GRIND 6" BEYOND SAWCUT LINE
EXISTING ROADWAY SURFACE
MATCH EX. PAVEMENT (9" MIN.)
A.C. AT 98% COMPACTION (WHEEL ROLLED AND TAMPALED) TYPE 'A' OR MINOR HMA 3/4" COARSE CLASS
SAWCUT ALL EDGES
SAND BEDDING. SEE NOTE 3
EXISTING OR PROPOSED PIPE
O.D. (6" MIN.)
SEE NOTE 2
2' (MIN)

EXISTING STREET TRENCH RESTORATION
NO SCALE
GRIND 6" BEYOND SAWCUT LINE
EXISTING ROADWAY SURFACE
SAWCUT ALL EDGES
SEAL SURFACE BY SPRAY APPLICATION OF SS-1H EMULSION AFTER FINISH ROLLING.
A.C. AT 98% COMPACTION. TYPE A, 1/2" MEDIUM CLASS
MATCH EX. PAVEMENT THICKNESS (9" MIN)
6" MIN. (TYP) "T" CUT TO BE FULL DEPTH AC REMOVAL
CLEAN & TACK SIDES OF EXCAVATION AND BETWEEN COURSES. SPRAY AN APPLICATION OF SS-1H EMULSION BEFORE PLACING A.C.
BACKFILL. SEE NOTE 4

ROCKWHEEL TRENCH RESTORATION
NO SCALE
GRIND 6" BEYOND SAWCUT LINE
EXISTING ROADWAY SURFACE
SAWCUT ALL EDGES
SEAL SURFACE BY SPRAY APPLICATION OF SS-1H EMULSION AFTER FINISH ROLLING.
A.C. AT 98% COMPACTION. TYPE A, 1/2" MEDIUM CLASS
MATCH EX. PAVEMENT THICKNESS (9" MIN)
6" MIN. (TYP) "T" CUT TO BE FULL DEPTH AC REMOVAL
CLEAN & TACK SIDES OF EXCAVATION AND BETWEEN COURSES. SPRAY AN APPLICATION OF SS-1H EMULSION BEFORE PLACING A.C.
BACKFILL. SEE NOTE 4

PIPE SIZE | LIMITS OF X
--- | ---
24" OR LESS | 4" | 4" + O.D. / 4
27" AND GREATER | 6" | 6" + O.D. / 4
NOTES:
1. GEOTEXTILE TO BE PLACED EITHER BETWEEN THE CLASS 2 AB AND SAND BEDDING OR WRAPPED AROUND THE ENTIRE TRENCH AS SHOWN AT THE DISCRETION OF CITY PUBLIC WORKS.
2. GEOTEXTILE AND BEDDING STABILIZATION MATERIAL SHALL BE USED FOR UNSUITABLE SOIL CONDITIONS ONLY AT THE DISCRETION OF CITY PUBLIC WORKS.
3. 3" MINIMUM SAND BEDDING TO BE HAND PLACED AND COMPACTED/JETTED TO 95% MINIMUM RELATIVE COMPACTION.
4. USE CLASS 2 AGGREGATE BASE ROCK (AB) BACKFILL COMPACTED IN 6" LIFTS TO 95% MINIMUM RELATIVE COMPACTION OR TWO (2) SACK CEMENT/SAND SLURRY MIX. NO FLOODING OR JETTING SHALL BE ALLOWED.
NOTES:
1. MARKINGS IN ACCORDANCE WITH THE L.S. ACT SHALL BE A MINIMUM OF 3/16" SIZED LETTERS AND NUMBERS LEGIBLY STAMPED.
2. REFERENCE MARK SHALL BE PLACED WITHIN A 1" DIAMETER OF THE CENTER OF DISC.
3. SHANK SHALL BE CONSTRUCTED IN A MANNER WHICH PREVENTS REMOVAL OR TURNING ONCE SET IN CONCRETE.
NOTES:
1. FRAME SHALL BE EMBEDDED A MINIMUM OF 3" IN CLASS A PCC.
2. COVER AND RISER RING SHALL BE NON-ROCKING WHEN INSTALLED.