RESOLUTION NO. 3664

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MONTE SERENO ADOPTING PUBLIC WORKS STANDARD DETAILS ("ATTACHMENT A") PREPARED BY RUTH AND GOING, INC. UNDER A PROFESSIONAL SERVICES AGREEMENT

WHEREAS, the City entered into a Professional Services Agreement with Ruth and Going, Inc., San Jose, CA on June 16, 2017 for an amount not to exceed Ten Thousand Dollars ($10,000) to prepare Public Works Standard Details; and

WHEREAS, the Interim Public Works Director has reported that the aforementioned consultant has satisfactorily completed the work required under this contract and has recommended that the City Council adopt the Public Works Standard Details for the City’s beneficial use; and

WHEREAS, Ruth and Going, Inc. has released ownership of the electronic files of the Public Works Standard Details ("ATTACHMENT A") to the City, the City may now add, delete or revise Standard Details at the City Manager’s discretion.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Monte Sereno As Follows:

The City Council of the City of Monte Sereno hereby adopts the Public Works Standard Details for the City’s beneficial use under the aforementioned Professional Services Agreement.

REGULARLY PASSED AND ADOPTED this 17th day of October, 2017 by the following vote:

AYES: Council Members Craig, Rogers, Turner, Wolsheimer and Mayor Anstandig

NOES: None

ABSENT: None

ABSTAIN: None

BY: MARSHALL W. ANSTANDIG, MAYOR

ATTEST:
ANDREA M. CHELEMENGOS, CITY CLERK

TO BE RECORDED WITHOUT A FEE
UNDER GOVERNMENT CODE SECTION 6103
City
of
Monte Sereno

PUBLIC WORKS
STANDARD DETAILS

Date Adopted: October 17, 2017
Resolution No. xxxx
Table of Contents

PW-1  Standard Curbs (vertical, rolled and asphalt dike)
PW-2  Residential Driveway (without pathway)
PW-3  Residential Driveway (with pathway)
PW-4  Valley Gutter
PW-5  Flat Grate Inlets
PW-6  Curb Inlet
PW-7  Permeable Paver Pavement
PW-8  Asphalt Pathway
PW-9  Decomposed Granite Pathway
PW-10 Sign Placement on Shared-Use Paths
PW-11 Street Section
PW-12, 13 Trench Restoration
PW-14, 15 Survey Monument Disc
<table>
<thead>
<tr>
<th>STREET NAME</th>
<th>LENGTH</th>
<th>ROW WIDTH (FT.)</th>
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<td>ROSE AVE N W</td>
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<td>BRUCE AVE</td>
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<td>DAVES AVE E 460 FT</td>
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<td>DAVES AVE</td>
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<td>KARL AVE</td>
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<td>KAVIN LN</td>
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<td>POPPY LANE</td>
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<td>50</td>
<td>DAVES S (EXCEPT SMALL TRI PORTION W SIDE POPPY BETWEEN ELY &amp; ANDERSON PROPERTY IN LG)</td>
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<tr>
<td>POPPY LANE</td>
<td>.14 MILES</td>
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<td>BRUCE AVE N</td>
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<td>.24 MILES</td>
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<td>.10 MILES</td>
<td>40</td>
<td>ROSE AVE NW</td>
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<td>SEEBREE AVE</td>
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<td>60</td>
<td>CONSTITUTION AVE S</td>
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<td>POPPY LN E 300' TO CITY LIMITS</td>
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<td>WITHEY RD</td>
<td>.54 MILES</td>
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<td>HERNANDEZ W TO GREENWOOD</td>
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<tr>
<td>BANCROFT AVE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KAVIN LN</td>
<td>.125 MILES</td>
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<td>TRACT 683 TO DAVES</td>
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<td>VIEWFIELD RD</td>
<td></td>
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<td>DEDICATION OF VIEWFIELD FROM HWY 9 E</td>
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<td>AUSTIN WAY</td>
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<td>QUITO TO HWY 9</td>
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<td>DAVES AVE</td>
<td>.10 MILES</td>
<td>40–50</td>
<td>(SEE RES. 21)</td>
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<tr>
<td>HILLVIEW DR</td>
<td>.13 MILES</td>
<td>20</td>
<td>(N &amp; W 1/2) OAK DRIVE SE</td>
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<tr>
<td>LANCASTER RD</td>
<td>.09 MILES</td>
<td>40</td>
<td>SAN TOMAS–AQUINO CREEK SW COUNTY LINE</td>
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<tr>
<td>OAK DR</td>
<td>.08 MILES</td>
<td>40</td>
<td>E END, WT TO NOE</td>
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CITY OF MONTE SERENO
PUBLIC WORKS DEPARTMENT

STREETS WITHIN CITY JURISDICTION

PUBLIC WORKS DIRECTOR DATE REVISED

DRAWING NO.

10-13-17
<table>
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<td>20</td>
<td>(N 1/2 ONLY) NE TO LOT 33 TO NE OF LOT 29</td>
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<td>(N 1/2 ONLY) NW OF LOT 29 TO HILLVIEW</td>
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<td>OAK RD</td>
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<td>OAK DR</td>
<td>.09 MILES</td>
<td>20</td>
<td>(NE 1/2 ONLY) SE OF LOT 11</td>
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<tr>
<td>QUITO RD</td>
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<td>40</td>
<td>BICKNELL S TO SAN TOMAS-AQUINO CREEK</td>
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<td>QUITO RD</td>
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<td>40-50</td>
<td>SAN TOMAS-AQUINO CREEK TO OAK DRIVE</td>
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<td>RIDGECREST TO END</td>
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<tr>
<td>BICKNELL RD</td>
<td>1980 FEET +</td>
<td>25 (HALF STREET)</td>
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<td>544 FEET</td>
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<td>TRACT 2841 NW &amp; NE TO END</td>
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<td>BACHMAN AVE</td>
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<td>TRACT 2841 NE TO END</td>
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<td>STRATFORD CT</td>
<td>330 FEET</td>
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<td>AVON LN TO S END, 150 FT TO N END</td>
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<td>60</td>
<td>DAVES N TO 1 FT RESERVATION OF TRACT 3393</td>
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<tr>
<td>VIA ENCANTADO</td>
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<td>VIA CABALLERO E, CUL-DE-SAC</td>
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<td>50</td>
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<td>EQUESTRIAN WAY</td>
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<td>DAVES N, CUL-DE-SAC</td>
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<td>VIA PALOMINO (SOUTH BRANCH)</td>
<td>350 FEET</td>
<td>50</td>
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<td>TRACE 3393 W TO TRACT 3814</td>
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<td>ALMA JO CT</td>
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<td>TWIN CREEK N TO END, CUL-DE-SAC</td>
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<td>ROW WIDTH (FT.)</td>
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<td>VARIES</td>
<td>BICKNELL S TO END, CUL-DE-SAC</td>
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<td>ELM PARK E TO END, CUL-DE-SAC</td>
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<td>WINCHESTER W TO END, CUL-DE-SAC</td>
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<td>CARRIL CT</td>
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<td>DAVES N TO END, CUL-DE-SAC</td>
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<td>9 TO 16</td>
<td>DAVES TO N BOUNDARY TRACT 4754</td>
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<td>VINELAND SW TO TRACT 4829 (REMAINDER OF VINELAND CT)</td>
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<td>50 TO 84</td>
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<td>52 FEET</td>
<td>12 TO 32</td>
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<td>70 TO 86</td>
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<td>EL RANCHO AVE</td>
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<td>60 TO 80</td>
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<td>CLARA ST</td>
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<td>20’ S FROM LA RINCONADA S &amp; SE TO NATALYE</td>
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<td>S WINCHESTER W TO CITY LIMITS</td>
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<td>HWY 9 NE TO 1’ RESERVATION</td>
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<td>PARKSIDE CT</td>
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STREETS WITHIN CITY JURISDICTION

CITY OF MONTE SERENO
PUBLIC WORKS DEPARTMENT

PUBLIC WORKS DIRECTOR DATE REVISED
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)

CITY OF MONTE SERENO
PUBLIC WORKS DEPARTMENT

PUBLIC WORKS DIRECTOR  DATE  REVISED

DRAWING NO.
PW-2
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.

VARIES 2'-6" TO 3'-0"
SEE NOTE 1

EQUAL

EQUAL

3/4" BATTER TYP.

1/2" R (TYP.)

1/4"

1.5"

1/4"

#4 REBAR CONT. (4x)

CLASS 2 AB
95% COMPACTION

6"

6"

3"

TYP.

#4 REBAR @ 12" O.C.
EACH WAY @ 90°

1.0 Ft Min.

New Pavement (TYP.)

CASE 2: PAVERS ON ONE SIDE

N.T.S.

VARIES 2'-6" TO 3'-0"
SEE NOTE 1

EQUAL

EQUAL

3/4" BATTER TYP.

1/2" R (TYP.)

1/4"

1.5"

1/4"

#4 REBAR CONT. (4x)

FINISH A.C. PAVEMENT 1/4" ABOVE LIP OF GUTTER

AC CONFORM (PLACED IN ONE OPERATION)
SEE NOTE 4

EX. EDGE OF PAVEMENT

0.15 ft. Min.

FULL DEPTH ASPHALT

Mill Ex. Pavement 3.0 ft. Min. (TYP.)

2"

4"

6"

CLASS 2 AB
95% COMPACTION

#4 REBAR @ 12" O.C.
EACH WAY @ 90°

3"

TYP.

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
NOTE:
CONSTRUCTION JOINT PERMITTED
WHEN CATCH BASIN TOP IS
RECONSTRUCTED. PLACE #4×12"
DOWELS AT EACH CONSTRUCTION
JOINT. DRILL HOLES, BLOW CLEAN
AND SET DOWELS IN EPOXY.

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

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

SECTION B–B

LIP OF
GUTTER

FACE OF
CURB

LIP OF
GUTTER

10 BARS OF 1" EA
SPACED EQUALLY

36"
PERMEABLE PAVERS ADJACENT TO LANDSCAPING

PERMEABLE PAVERS FOR DRIVEWAYS

NTS

CONTRACTOR OR PERMITEE SHALL:

- PROVIDE CERTIFICATION FROM THE PAVER MANUFACTURER THAT THE PAVERS MEET THE REQUIREMENTS OF THE C3 STORMWATER HANDBOOK FOR PERVIOUS 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 PERVIOUS PAVERS FROM EXCESSIVE COMPACTION DUE TO CONSTRUCTION TRAFFIC AND PROTECT THE FINISHED PAVEMENT FROM CONSTRUCTION TRAFFIC.
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.
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 D.G. 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.
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 LANES AND BIKE ROUTES
6. SEE STANDARD DRAWING NO. PW-10 FOR SIGN PLACEMENT REQUIREMENTS FOR BIKE LANES AND BIKE ROUTES.
7. EXACT THICKNESS OF STREET SECTIONS TO BE DETERMINED BY PROJECT SOILS ENGINEER
EXISTING STREET TRENCH RESTORATION

GRIND 6" BEYOND SAWCUT LINE
EXISTING ROADWAY SURFACE
SAND BEDDING. SEE NOTE 3
MATCH EX. PAVEMENT (9" MIN.)
A.C. AT 98% COMPACTION (WHEEL ROLLED AND TAMPED) TYPE 'A' OR MINOR HMA 3/4" COARSE CLASS
SAW CUT ALL EDGES

EXISTING OR PROPOSED PIPE
O.D. 6" MIN.
X
X
2' (MIN)
SEE NOTE 2
SEAL SURFACE BY SPRAY APPLICATION OF SS-1H EMULSION AFTER FINISH ROLLING.
A.C. AT 98% COMPACTION. TYPE A, 1/2" MEDIUM CLASS
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
MINIMUM | MAXIMUM
24" OR LESS | 4" | 4" + O.D. / 4
27" AND GREATER | 6" | 6" + O.D. / 4

ROCKWHEEL TRENCH RESTORATION

GRIND 6" BEYOND SAWCUT LINE
EXISTING ROADWAY SURFACE
SAW CUTF ALL EDGES
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
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.