<table>
<thead>
<tr>
<th>Drawing</th>
<th>Sheets</th>
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<tr>
<td>4-1</td>
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<td>90 degree Intersection Elbow</td>
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<td>Removable Bollard</td>
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<td>4-30</td>
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<td>Temporary Road Closure</td>
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MONOLITHIC CURB, GUTTER AND SIDEWALK OPTION

LOCAL RESIDENTIAL

LOCAL RESIDENTIAL: T.I. = 5.0 (MINIMUM)
LOCAL RESIDENTIAL CUL-DE-SAC: T.I. = 6.5 (MINIMUM)

NOTES:

1. LANDSCAPING WITHIN ROAD RIGHT OF WAY SHALL BE MAINTAINED BY ADJACENT PROPERTY OWNER.

2. REFER TO APPROVED PLANTING LIST FOR TREE SPECIES ALLOWED IN PLANter STRIPS.

3. JOINT UTILITY TRENCHES CONTAINING DIRECT BURIAL CABLES SHALL BE LOCATED BEHIND THE BACK OF WALK.

4. ADD 10' TO STREET AND RIGHT OF WAY WIDTH WHERE BICYCLE LANES ARE TO BE PROVIDED.

5. LIME OR CEMENT TREATMENT OF THE TOP 12" OF THE SUBGRADE SHALL BE REQUIRED WHERE THE "R" VALUE IS 20 OR LESS.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

LOCAL RESIDENTIAL

DATE: 08/05/08
SHEET #: 1 OF 1
DRAWING #: 4-1
NOT TO SCALE

28 AUG 08

COUNTRY ENGINEER No. C42401
APPROVAL DATE
NOTES:

1. USED ONLY IF SERVING LESS THAN 12 SINGLE FAMILY DWELLING UNITS WITH LOT FRONTAGE < 100’.

2. LANDSCAPING WITHIN ROAD RIGHT OF WAY SHALL BE MAINTAINED BY ADJACENT PROPERTY OWNER.

3. REFER TO APPROVED PLANTING LIST FOR TREE SPECIES ALLOWED IN PLANTER STRIPS.

4. JOINT UTILITY TRENCHES CONTAINING DIRECT BURIAL CABLES SHALL BE LOCATED BEHIND THE BACK OF WALK.

5. ADD 10’ TO STREET AND RIGHT OF WAY WIDTH WHERE BICYCLE LANES ARE TO BE PROVIDED.

6. LIME OR CEMENT TREATMENT OF THE TOP 12” OF THE SUBGRADE SHALL BE REQUIRED WHERE THE “R” VALUE IS 20 OR LESS.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

LOCAL RESIDENTIAL – LOW VOLUME

T.I. = 5.0 (MINIMUM)
LOCAL RESIDENTIAL CUL-DE-SAC: T.I. = 6.5 (MINIMUM)

DATE: 08/05/08
SHEET #: 1 OF 1
DRAWING #: 4–2
APPROVAL DATE: 28 AUG 08
COUNTY ENGINEER No. C42401
NOT TO SCALE
MONOLITHIC CURB, GUTTER AND SIDEWALK OPTION

PLANTER STRIP OPTION

PRIMARY RESIDENTIAL
PRIMARY RESIDENTIAL: T.I. = 6.0 (MINIMUM)

NOTES:
1. LANDSCAPING WITHIN ROAD RIGHT OF WAY SHALL BE MAINTAINED BY ADJACENT PROPERTY OWNER.
2. REFER TO APPROVED PLANTING LIST FOR TREE SPECIES ALLOWED IN PLANTER STRIPS.
3. JOINT UTILITY TRENCHES CONTAINING DIRECT BURIAL CABLE SHALL BE LOCATED BEHIND THE BACK OF WALK.
4. ADD 10' TO STREET AND RIGHT OF WAY WIDTH WHERE BICYCLE LANE ARE TO BE PROVIDED.
5. LIME OR CEMENT TREATMENT OF THE TOP 12" OF THE SUBGRADE SHALL BE REQUIRED WHERE THE "R" VALUE IS 20 OR LESS.
MONOLITHIC CURB, GUTTER AND SIDEWALK OPTION

NOTES:

1. LANDSCAPING WITHIN ROAD RIGHT OF WAY SHALL BE MAINTAINED BY ADJACENT PROPERTY OWNER.

2. REFER TO APPROVED PLANTING LIST FOR TREE SPECIES ALLOWED IN PLANter STRIPS.

3. JOINT UTILITY TRENCHES CONTAINING DIRECT BURIAL CABLES SHALL BE LOCATED BEHIND THE BACK OF WALK.

4. ADD 10' TO STREET AND RIGHT OF WAY WIDTH WHERE BICYCLE LANES ARE TO BE PROVIDED.

5. STREET AND SIDEWALK WIDTHS SHALL BE DETERMINED BY THE COUNTY ENGINEER.

6. LIME OR CEMENT TREATMENT OF THE TOP 12" OF THE SUBGRADE SHALL BE REQUIRED WHERE THE "R" VALUE IS 20 OR LESS.

COLLECTOR

T.I. = 7.0 (MINIMUM)

PLANTER STRIP OPTION

AC AND AB PER IMPROVEMENT STANDARDS MINIMUM SECTION:
4" ASPHALT CONCRETE COMPACTED TO 96%
OVER 15" CLASS 2 AGGREGATE BASE COMPACTED TO 95% OVER 8" NATIVE SUBGRADE COMPACTED TO 95%.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

COLLECTOR

DATE: 08/05/08
SHEET # 1 OF 1
DRAWING #: 4 - 4 NOT TO SCALE

COUNTY ENGINEER No. 42401
APPROVAL DATE 28 AUG 08
NOTES:
1. LANDSCAPING WITHIN ROAD RIGHT OF WAY SHALL BE MAINTAINED BY ADJACENT PROPERTY OWNER.
2. JOINT UTILITY TRENCHES CONTAINING DIRECT BURIAL CABLES SHALL BE LOCATED BEHIND THE BACK OF WALK.
3. ADD 10' TO STREET AND RIGHT OF WAY WIDTH WHERE BICYCLE LANE ARE TO BE PROVIDED.
4. STREET AND SIDEWALK WIDTHS SHALL BE DETERMINED BY THE COUNTY ENGINEER.
5. LIME OR CEMENT TREATMENT OF THE TOP 12" OF THE SUBGRADE SHALL BE REQUIRED WHERE THE "R" VALUE IS 20 OR LESS.

INDUSTRIAL STREET
INDUSTRIAL: T.I. = 9 (MINIMUM)

AC AND AB PER IMPROVEMENT STANDARDS
MINIMUM SECTION:
6" ASPHALT CONCRETE COMPACTED TO 96%
OVER 15" CLASS 2 AGGREGATE BASE
COMPACTED TO 95% OVER 8" NATIVE SUBGRADE COMPACTED TO 95%
NOTES:
1. TREES IN LANDSCAPE MEDIANS AND STRIPS SHALL COMPLY WITH COUNTY STANDARDS, AND TREE ROOT BARRIERS SHALL BE PROVIDED.

2. JOINT UTILITY TRENCHES CONTAINING DIRECT BURIAL CABLES SHALL BE LOCATED BEHIND THE BACK OF WALK.

3. SEE STANDARD DRAWING 4–18 FOR BIKE PATH DETAILS.

4. PROVIDE POSITIVE DRAINAGE SLOPE (2% MIN.) TO TOP OF CURB OR PROVIDE LANDSCAPE DRAINAGE COLLECTION SYSTEM CONNECTED TO STREET STORM DRAINAGE SYSTEM.

5. STRUCTURAL PAVEMENT SECTION PER IMPROVEMENT STANDARDS.MIN. SECTION: 5" ASPHALT CONCRETE COMPACTED TO 96% OVER 20" CLASS 2 AGGREGATE BASE COMPACTED TO 95%, OVER 8" NATIVE SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION.

6. LIME OR CEMENT TREATMENT OF THE TOP 12" OF THE SUBGRADE SHALL BE REQUIRED WHERE THE "R" VALUE IS 20 OR LESS.

7. PROVIDE TREE ROOT BARRIERS AT ALL TREES IN LANDSCAPE AND MEDIAN STRIP, 24" DEEP AND 20' LONG. SET BARRIER FLUSH WITH TOP OF CONCRETE. PROVIDE 4" THICK, 2" WIDE CONCRETE MOW STRIPS ALONG BACK OF MEDIAN CURB.
NOTES:
1. TREES IN LANDSCAPE MEDIANs AND STRIPS SHALL COMPLY WITH COUNTY STANDARDS, AND TREE ROOT BARRIERS SHALL BE PROVIDED.
2. JOINT UTILITY TRENCHES CONTAINING DIRECT BURIAL CABLES SHALL BE LOCATED BEHIND THE BACK OF WALK.
3. SEE STANDARD DRAWING 4-18 FOR BIKE PATH DETAILS.
4. PROVIDE POSITIVE DRAINAGE SLOPE (2% MIN.) TO TOP OF CURB OR PROVIDE LANDSCAPE DRAINAGE COLLECTION SYSTEM CONNECTED TO STREET STORM DRAINAGE SYSTEM.
5. STRUCTURAL PAVEMENT SECTION PER IMPROVEMENT STANDARDS.MIN. SECTION: 5" ASPHALT CONCRETE COMPACTED TO 95% OVER 20" CLASS 2 AGGREGATE BASE COMPACTED TO 95%, OVER 8" NATIVE SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION.
6. LIME OR CEMENT TREATMENT OF THE TOP 12" OF THE SUBGRADE SHALL BE REQUIRED WHERE THE "R" VALUE IS 20 OR LESS.
7. PROVIDE TREE ROOT BARRIERS AT ALL TREES IN LANDSCAPE AND MEDIAN STRIP, 24" DEEP AND 20' LONG. SET BARRIER FLUSH WITH TOP OF CONCRETE. PROVIDE 4" THICK, 2" WIDE CONCRETE MOW STRIPS ALONG BACK OF MEDIAN CURB.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

ARTERIAL (4-LANE) STREET

DATE: 08/05/08
APPROVAL DATE: 28 AUG 08
COUNTY ENGINEER No. C42401
DRAWING #: 4-7
NOT TO SCALE
NOTES:
1. MAXIMUM VELOCITY IN EARTHEM ROADSIDE
   DITCHES IS 4 FEET PER SECOND.
2. EROSION CONTROL DEVICES SHALL BE INSTALLED AS
   REQUIRED BY COUNTY ENGINEER.
3. ROADSIDE DITCHES SHALL BE SEEDPED WITH APPROVED
   EROSION CONTROL SEED MIX.
4. DRIVEWAY APPROACHES SHALL BE CONSTRUCTED
   SO AS TO NOT IMPEDE DRAINAGE AWAY FROM THE ROAD.
5. MINIMUM RESIDENTIAL AND COMMERCIAL DRIVEWAY APPROACH
   SHALL CONSIST OF 3" ASPHALT CONCRETE OVER 8" CLASS 2
   AGGREGATE BASE.
6. VEHICLE LANE WIDTH SHALL BE 11" MINIMUM, STRIPED IN
   ACCORDANCE WITH CALTRANS STANDARDS.

RURAL STREET

AC AND AB PER IMPROVEMENT STANDARDS
MINIMUM SECTION:
4" ASPHALT CONCRETE COMPACTED TO 96%
OVER 12" CLASS 2 AGGREGATE BASE
COMPACTED TO 95% OVER 8" NATIVE
SUBGRADE COMPACTED TO 95%.
MONOLITHIC CURB, GUTTER AND SIDEWALK OPTION

PLANTER STRIP OPTION

NOTES:
1. LANDSCAPING WITHIN ROAD RIGHT OF WAY SHALL BE MAINTAINED BY ADJACENT PROPERTY OWNER.
2. REFER TO APPROVED PLANTING LIST FOR TREE SPECIES ALLOWED IN PLANTER STRIPS.
3. W53 ("NOT A THROUGH STREET") SIGN MAY BE REQUIRED.
4. INCREASED STRUCTURAL SECTION REQUIRED IN CUL DE SAC.
5. FACE OF CURB RADIUS IS 50' FOR INDUSTRIAL STREETS.
6. INDUSTRIAL AND COMMERCIAL CUL-DE-SACS REVIEWED ON CASE BY CASE BASIS CONSIDERING TRUCK TRAFFIC.
NOTES:
1. INTERSECTION ELBOWS ARE NOT REQUIRED WHERE THE CENTERLINE RADIUS MEETS THE MINIMUM REQUIREMENTS IN SECTION 4-12.

2. ALL RADIi SHOWN PERTAIN TO FACE OF CURB.

3. SHADeD AREA IS PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH SECTION 4-12 AND STANDARD DRAWING 4-13
NOTE:
1. DRIVEWAYS ON ARTERIAL STREETS SHALL HAVE A MINIMUM CLEAR SPACING OF 150 FEET. LESSER SPACING MAY BE APPROVED BY THE COUNTY ENGINEER FOR UNAVOIDABLE, EXTREME CONDITIONS, OR ON SMALL LOTS WHERE A MINIMUM OF ONE DRIVEWAY PER STREET FRONTAGE WILL BE PROVIDED.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT
COMMERCIAL FRONTAGE AND DRIVEWAY REGULATIONS

DATE: 08/05/08
SHEET # 1 OF 1
DRAWING #: 4-12
NOT TO SCALE
NOTES:
1. USE 120' PAVEMENT TAPER SECTION WHEN MAJOR STREET SHOULDER IS UNPAVED OR SEAL COATED.
2. USE 70' PAVEMENT TAPER SECTION WHEN MAJOR STREET SHOULDER IS FULLY PAVED.
3. FULL ROADBED STRUCTURAL SECTION TO BE PLACED IN ACCORDANCE WITH COUNTY STANDARDS FOR AREA TO BE PAVED.
4. PAVEMENT TAPER SECTION MAY BE DELETED ON LOCAL STREETS.
SECTION A-A

7.5" P.C.C.
SEE NOTE 2.

8" MIN. CLASS 2
AGGREGATE BASE
BASE AT 95% REL.
COMPACTED OVER 8"
NATIVE SUBGRADE
COMPACTED TO 95%.
(SEE NOTE 3)

REINFORCING STEEL TO BE EXTENDED
15" MIN. AND LAPPED 18" MIN.

CONTACT JOINT DETAILS

NOTES:
1. CONCRETE VALLEY GUTTERS ALLOWED
   ONLY IN RETROFIT AND SPECIAL
   SITUATIONS, WITH THE APPROVAL OF
   THE COUNTY ENGINEER.
2. ALL CONCRETE SHALL BE CLASS A,
   6-SACK CONCRETE, WITH LIGHT
   BROOM FINISH.
3. 8" MIN. CLASS 2 AB TO BE PLACED
   UNDER CONCRETE PAVEMENT. AB
   SHALL EXTEND TO SUBGRADE OF
   DEEPEST ADJACENT STREET SECTION.
4. SIDEWALK AND RAMPS NOT SHOWN.
5. REINFORCING BAR SHALL BE
   SUPPORTED ON DOBYES.
6. SEE "CONTACT JOINT DETAILS" FOR
   CONSTRUCTION JOINTS IN PAVEMENT.
   OTHER CONSTRUCTION JOINTS SHALL
   BE MADE WITH 3' LONG, #4 BARS AT
   12" O.C. PROVIDE TOOL OED CRACK
   CONTROL JOINTS AT APPROXIMATELY 5'
   SPACING IN AN AESTHETICALLY
   PLEASING PATTERN.
1½" DEEP GRINDING AND PAVING. 12" MINIMUM.
FOR NEW PAVEMENT (WITHIN 5 YEARS OF RESURFACING)
GRIND TO OPPOSITE Lip OF GUTTER, OR AS REQUIRED
BY COUNTY ENGINEER.

AC AND AB PER IMPROVEMENT STANDARDS
MINIMUM SECTION:
4" ASPHALT CONCRETE OVER
15" CLASS 2 AGGREGATE BASE
COMPACTED TO 95% OVER
8" NATIVE SUBGRADE COMPACTED TO 95%.

NEW/PROPOSED IMPROVEMENTS
NEW/PROPOSED PAVEMENT SECTION
EXISTING PAVEMENT SECTION
**SHALLOW TRENCH (LESS THAN 4 FEET COVER) IN EXISTING PAVEMENT OR GRAVEL SURFACES**

- Sawcut
- 12" (Typ.)
- No native material
- CL 2 A.B. at 95% relative compaction
- Intermediate backfill compacted to 95% relative compaction
- Pipe bedding and initial backfill as required by design and pipe type
- Original topsoil
- Native material at 90%
- Required for all pavements
- 1 1/2" deep grinding and paving, 6" min.
- If center of trench is within 20" of lip of gutter, grind to lip of gutter.

**DEEP TRENCH (4 FEET OR MORE COVER) IN EXISTING PAVED AREAS AND OTHER TRENCHING**

- Sawcut
- 12" (Typ.)
- No native material within 36" of surface
- Cl 2 A.B. at 95% relative compaction
- Pipe bedding and initial backfill as required by design and pipe type
- Required for new pavements:
  - 2" deep grinding and paving. grind to lip of gutter, but 12" minimum, or as required by county engineer.
  - Refer to note 5.

**HORTICULTURE LAWN, OR CULTIVATED AREAS (MORE THAN 6’ FROM PAVEMENTS OR CONCRETE FLATWORK).**

**NOTES:**

1. Tack coat all exposed edges of asphalt concrete patch.
2. Trenching within 6' of asphalt concrete or concrete surfaces shall be considered within existing pavement for the purpose of determining backfill compaction.
3. Final compaction testing shall be provided by contractor and demonstrate compliance with specified compaction.
4. Plant mixed 2-sack cement sand slurry (slurry) may be required for all backfill at the county engineer's discretion. Slurry shall have 10" to 11" slump, and fly ash may be added to the mix.
5. Slurry may be substituted for any backfill.
6. If edge of "t" cut falls 24" or less from lip of gutter or from the edge of an existing trench patch, remove and replace the AC to the edge of the existing patch, or the lip of gutter.
NOTES:
1. CONCRETE SHALL BE 6-SACK CLASS "A".
2. PROVIDE TRANSVERSE CRACK CONTROL JOINTS, 1" DEEP AT 10' SPACING, EXPANSION JOINTS AT 60' SPACING.
3. SURFACE FINISH SHALL BE TRANSVERSE MEDIUM BROOM FINISH.
4. APPLY CURING COMPOUND PER THE CALTRANS STANDARD SPECIFICATIONS.
5. THE PAVEMENT SECTION SHOWN IS THE MINIMUM REQUIRED. PAVEMENT STRUCTURAL SECTION SHALL BE BASED ON GEOTECHNICAL EVALUATION OF SOIL CONDITIONS, AND Ti=5 TO ALLOW FOR MAINTENANCE VEHICLE LOADS.
6. REFER TO CALTRANS HIGHWAY DESIGN MANUAL FOR ADDITIONAL BIKE PATH DESIGN REQUIREMENTS.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

BIKE PATH - OFFSTREET

DATE: 08/05/08
COUNTY ENGINEER No. C42401
APPROVAL DATE: 28 AUG 08
DRAWING #: 4-18
NOT TO SCALE
PERSPECTIVE

TYPICAL SECTION

NOTES:
1. CONCRETE SHALL BE CALTRANS CLASS A, 6-SACK, MIX DESIGN APPROVED BY COUNTY ENGINEER.
2. AGGREGATE BASE SHALL BE CALTRANS CLASS 2 AGGREGATE BASE MATERIAL APPROVED BY COUNTY ENGINEER.
3. SIDEWALK, CURB, AND GUTTER SHALL BE PURGED MONOLITHICALLY.
4. COLD JOINTS SHALL BE DOWELED WITH 15" LONG #4 BARS AT 12" O.C.
5. EXPANSION JOINT SHALL BE 3/8" OR 1/2" THICK ASPHALT IMPREGNATED FELT.
6. SEWER AND WATER SERVICES SHALL BE ACCURATELY INDICATED WITH A 2" TALL "S" OR "W" LETTER STAMPED IN THE FACE OF THE CURB.
7. ALL EXPOSED CONCRETE EDGES SHALL HAVE 1/2" TOOLED RADIUS.
8. APPLY LIGHT BROOM FINISH TO SURFACE OF WALK PERPENDICULAR TO THE LENGTH OF THE SIDEWALK.
9. SIDEWALK WIDTHS SHALL AS BE SHOWN ON THE PLANS, BUT IN NO CASE LESS THAN 4.5' WIDE.
10. UNLESS OTHERWISE SHOWN, PROVIDE A 6' LONG TRANSITION TO CONNECT TO OTHER CURB TYPES.
11. SEE STANDARD COMMERCIAL DRIVEWAY DETAIL FOR COMMERCIAL DRIVEWAY REINFORCEMENT.
12. ALL AREAS OF CONCRETE EXHIBITING VISIBLE CRACKING OUTSIDE THE LIMITS OF TOOLED JOINT LINES SHALL BE REPLACED BY SAW CUTTING ALONG THE NEAREST TOOL JOINT AND REPLACING ALL THE CRACKED PANELS.
TYPICAL SIDEWALK SECTION
REQUIRES SPECIAL APPROVAL BY COUNTY ENGINEER.

TYPICAL CURB RETURN SECTION

NOTES:
1. LOW PROFILE CURB AND GUTTER REQUIRES THE COUNTY ENGINEER'S APPROVAL ON A CASE BY CASE BASIS.
2. CONCRETE SHALL BE CALTRANS CLASS A, 6—SACK, MIX DESIGN APPROVED BY COUNTY ENGINEER.
3. AGGREGATE BASE SHALL BE CALTRANS CLASS 2 AGGREGATE BASE MATERIAL APPROVED BY COUNTY ENGINEER.
4. SIDEWALK, CURB, AND GUTTER SHALL BE Poured MONOLITHICALLY.
5. COLD JOINTS SHALL BE DOWELED WITH #4 BARS AT 12" O.C.
6. PROVIDE EXPANSION JOINTS AT 60' INTERVALS, DEEP TOOLED WEAKENED PLANE JOINTS AT 12' SPACING, AND CRACK CONTROL JOINTS AT 4' SPACING.
7. EXPANSION JOINTS SHALL BE 3/8" OR 1/2" THICK ASPHALT IMPREGNATED FELT.
8. SEWER AND WATER SERVICES SHALL BE ACCURATELY INDICATED WITH A 2" TALL "S" OR "W" LETTER STAMPED IN CONCRETE.
9. ALL EXPOSED CONCRETE EDGES SHALL HAVE 1/2" TOOLED RADIUS.
10. APPLY LIGHT BROOM FINISH TO SURFACE OF WALK PERPENDICULAR TO THE LENGTH OF THE SIDEWALK.
11. SIDEWALK WIDTHS SHALL AS BE SHOWN ON THE PLANS, BUT IN NO CASE LESS THAN 4.5' WIDE.
12. UNLESS OTHERWISE SHOWN, PROVIDE A 6' LONG TRANSITION TO CONNECT TO OTHER CURB TYPES.
13. ALL AREAS OF CONCRETE EXHIBITING VISIBLE CRACKING OUTSIDE THE LIMITS OF TOOLED JOINT LINES SHALL BE REPLACED BY SAW CUTTING ALONG THE NEAREST TOOL JOINT AND REPLACING ALL THE CRACKED PANELS.
**MEDIAN CURB**

RETROFIT ONLY

**MEAN CURB**

THIS LINE REPRESENTS CURB FACE FOR DIMENSIONAL PURPOSES

- 6" P.C.C. SIDEWALK (TYPICAL)
- CLASS 2 AGGREGATE BASE AT 95% COMPACTION
- TOP 8" OF SUBGRADE COMPACTED TO 95%

**TYPE C**

USED ONLY TO MATCH EXISTING AND REQUIRES COUNTY ENGINEER APPROVAL

**NOTES:**

1. CONCRETE SHALL BE CALTRANS CLASS A, 6-SACK, MIX DESIGN APPROVED BY THE COUNTY ENGINEER.
2. AGGREGATE BASE SHALL BE CALTRANS CLASS 2 AGGREGATE BASE MATERIAL APPROVED BY THE COUNTY ENGINEER.
3. SIDEWALK, CURB, AND GUTTER SHALL BE POURED MONOLITHICALLY.
4. COLD JOINTS SHALL BE DOWELED WITH 15" LONG #4 BARS AT 12" O.C.
5. EXPANSION JOINT SHALL BE 3/8" OR 1/2" THICK ASPHALT IMPREGNATED FELT.
6. SEWER AND WATER SERVICES SHALL BE ACCURATELY INDICATED WITH A 2" TALL "S" OR "W" LETTER STAMPED IN THE FACE OF THE CURB.
7. ALL EXPOSED CONCRETE EDGES SHALL HAVE 1/2" TOOLED RADIUS.
8. APPLY LIGHT BROOM FINISH TO SURFACE OF WALK PERPENDICULAR TO THE LENGTH OF THE SIDEWALK.
9. SIDEWALK WIDTHS SHALL AS BE SHOWN ON THE PLANS, BUT IN NO CASE LESS THAN 4.5" WIDE.
10. UNLESS OTHERWISE SHOWN, PROVIDE A 6' LONG TRANSITION TO CONNECT TO OTHER CURB TYPES.
11. SEE STANDARD COMMERCIAL DRIVEWAY DETAIL FOR COMMERCIAL DRIVEWAY REINFORCEMENT.

**COUNTY OF YOLO**

PLANNING AND PUBLIC WORKS DEPARTMENT  
DATE: 08/05/08

CURBS

[Signature] 28AUG.08

COUNTY ENGINEER No. C42401  
APPROVAL DATE

[Stamp]: 4-21  
NOT TO SCALE
DRIVEWAY TYPES

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<td>INDUSTRIAL, MAJOR SHOPPING CENTERS</td>
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DESIGN STANDARDS

1. DRIVEWAY SLOPES AND GRADE CHANGES MUST MEET THE ADA REQUIREMENTS.

2. CONCRETE SHALL BE 6-SACK, CLASS A; 7 DAY MINIMUM CURE REQUIRED PRIOR TO OPENING FOR TRAFFIC.

3. DEEP TOOL JOINTS SHALL BE 1” DEEP OR 1/4 OF SECTION DEPTH, WHICHEVER IS GREATER.

4. SCORE LINES SHALL BE 1/4” DEEP AND FORM A SQUARE PATTERN, PERPENDICULAR TO EDGES.

5. ALL EDGES SHALL HAVE 1/2” TOOLED RADIUS.

6. SIDEWALK AND DRIVEWAY SHALL HAVE A LIGHT BROOM FINISH PERPENDICULAR TO STREET. CURB AND GUTTER SHALL HAVE A LIGHT BROOM FINISH PARALLEL TO STREET.

7. LOCATE DRIVEWAYS SUCH THAT THEY ARE A MINIMUM OF 5’ FROM FEATURES SUCH AS FIRE HYDRANTS, UTILITY POLES, DRAINAGE INLETS, CROSSWALKS, CURB RETURNS, ETC.

8. DRIVEWAY SLOPE MAY NEED TO BE FLATTENED FOR HIGH CROWN STREETS TO AVOID BOTTOMING OR SCRAPING OF THE VEHICLES UNDERCARRIAGE.
NOTES:

1. EXTEND TO ADJACENT STREET.
   SUBGRADE DEPTH, WHICHEVER IS DEEPER.

2. SEE "DRIVEWAY TYPES" SHEET 1.

3. DEPTH OF DEEP TOOL JOINT SHALL BE
   1" MIN. OR 1/4 CONCRETE THICKNESS
   WHICHEVER IS GREATER.

4. AGGREGATE BASE SHALL BE MATERIAL
   MEETING CALTRANS CLASS II STANDARDS,
   COMPACTED TO 95% RELATIVE
   COMPACTION.

5. TOP 8" OF SUBGRADES SHALL BE
   COMPACTED TO 95% RELATIVE
   COMPACTION.

6. FELT EXPANSION JOINT NOT ALLOWED
   IN DRIVEWAY

TYPICAL TYPE 1 SECTIONS
NOTE:
1. DEPTH OF DEEP TOOL JOINT SHALL BE 1" MIN. OR ¾ CONCRETE THICKNESS WHICHEVER IS GREATER.
NOTES:

1. SIZE, TYPE AND/OR GAUGE OF PIPE SHALL BE DETERMINED BY THE ENGINEER AND SHOWN ON PLANS. DRIVEWAY CULVERTS SHALL BE SIZED TO ACCOMMODATE DITCH FLOW. 18" MINIMUM DIAMETER. ACCEPTABLE CULVERT MATERIAL INCLUDE:
   - HDPE CORRUGATED CULVERT DESIGNATED AASHTO Type "S" (RESIDENTIAL AND AGRICULTURAL USE ONLY);
   - 16 GAUGE, GALVANIZED CORRUGATED METAL PIPE;
   - REINFORCED CONCRETE PIPE (ASTM-C76, CLASS III).
2. SLOPES SHALL BE CONSTRUCTED WITH SLOPES 2H:1V OR FLATTER. EROSION CONTROL DEVICES SHALL BE INSTALLED AS DETERMINED BY THE ENGINEER AND SHOWN ON THE PLANS.
3. CONCRETE DRIVEWAYS SHALL NOT PROJECT INTO PUBLIC RIGHT OF WAY EXCEPT WHERE CLASS "A" IMPROVEMENTS ARE INSTALLED.
4. DRIVEWAY STRUCTURAL SECTION WITHIN RIGHT OF WAY: 3" ASPHALT CONCRETE OVER 8" AGGREGATE BASE ON COMPACTED SUBGRADE MATERIAL.
5. WHERE GRADES MAKE IT IMPOSSIBLE TO INSTALL DRIVEWAY CULVERTS, THE DRIVEWAY SHALL BE GRADED SUCH THAT DRAINAGE SHALL NOT BE OBSTRUCTED IN ANY MANNER.
6. HEADWALLS SHALL NOT PROJECT ABOVE THE ADJACENT GRADE.
7. DRIVEWAY OR CULVERT WITHIN THE PUBLIC RIGHT OF WAY SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
NOTE:

1. REFER TO CALTRANS STANDARD PLANS FOR HANDICAP RAMP DETAILS.
PLAN VIEW
(SEPARATED SIDEWALK)

STOP SIGN AND STOP BAR
(THIS SIDE ONLY)

SIDEWALK
8'

LANDSCAPING

FC

A
3' MIN
CONCRETE

CASE "E" RAMP

SYMMETRICAL
ABOUT C

SECTION A-A
(SEPARATED SIDEWALK)

CONCRETE SIDEWALK

8'

5' TO 6'
2%

SEE DRAWING 4-24 SHEET 1
FOR REINFORCEMENT DETAILS
IN GUTTER
SECTION A-A
(For Low Profile Curb)

SECTION B-B

NOTES:
1. Under sidewalk drains to be used only where lot does not drain over sidewalk or where a storm drain does not exist and extension of storm drain is impractical.

2. Adjacent property owner shall clean and maintain drain.

3. Extend tube or pipes across planter strip and thru curb if separated sidewalk.

4. Hot dip galvanize after fabrication.

5. Adjacent property owner shall be responsible for backflow protection measures to ensure that during storm events street gutter does not backflow onto property.

6. For retrofits adjust width as req'd so sawcuts are located at existing joints.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

UNDER SIDEWALK DRAIN

COUNTY ENGINEER No. C42401

APPROVAL DATE
4-25
NOT TO SCALE
NOTES:
1. END POSTS TO BE 1-1/2" I.D. STANDARD WEIGHT PIPE WITH 8"x36" FOOTING.
2. BRACES AND LINE POSTS TO BE 1-1/4" STANDARD WEIGHT PIPE WITH 8"x30" FOOTING.
NOTES:

1. SIDEWALK BARRICADES TO BE ERECTED AT EACH LOCATION WHERE SATISFACTORY PROVISION CAN NOT BE MADE FOR PEDESTRIAN TO CONTINUE BEYOND THE TERMINUS OF A SIDEWALK.

2. ALL EXPOSED SURFACES TO BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONFORMING TO SECTION 91-3.02 OF STATE SPECIFICATIONS.
BOTH SIDES 4" DIA., REFLECTIVE SHEETING, YELLOW FOR BOLLARD AT CENTERLINE PATH AND WHITE ALL OTHER LOCATIONS

1/4" WELDED CIRCULAR STEEL PLATE, 1/8" MAX. LIP WITH SMOOTH EDGES

3" DIAMETER, 6' LONG, STANDARD WEIGHT SCHEDULE 40 GALVANIZED PIPE O.D.=3.5"

4" DIAMETER, 25" LONG, EXTRA STRONG SCHEDULE 40 GALVANIZED PIPE

3/4" GALVANIZED STEEL PIN WITH 1" HOLE FOR LOCK; PIN THROUGH 13/16" HOLE IN 3" BOLLARD AND 4" SLEEVE

3/4" GALVANIZED PINS, WELDED TO THE 4" SLEEVE

CLASS A CONCRETE FOUNDATION, CENTERED ON BOLLARD

1/4" WELDED CIRCULAR STEEL PLATE, 1/8" MAX. LIP WITH SMOOTH EDGES

NOTES:

1. BOLLARD AND SLEEVE SHALL BE SPRAY PAINTED WITH TWO COATS OF HIGH GLOSS WHITE RUST INHIBITIVE PAINT ON TOP OF ONE COAT OF PRIMER.

2. A GATE MIGHT BE REQUIRED INSTEAD OF REMOVABLE BOLLARDS AT REQUEST OF THE COUNTY ENGINEER.
INSTALL HAWKINS MODEL #  
M2G-2S-31M  
SIGN BACK BRACE  
OR APPROVED EQUIVALENT ON  
SIGNS 30" AND LARGER.  
(SEE SHEET 3 FOR ATTACHMENT  
DETAIL)

CLEARANCE FROM  
ASPHALT CONCRETE  
AT EDGE OF PAVEMENT  
TO SIGN BOTTOM  
1 SIGN = 7 FT MIN.  
2 SIGN = 6 FT MIN.

6 FT MIN.

2"

2-1/2" SQUARE, 7-GAUGE, HOT DIP  
GALVANIZED HEAVY DUTY TUBULAR  
ANCHOR SET IN CONCRETE. SEE  
TABLE FOR LENGTH.

DRILL ANCHOR  
AND PLACE 1/2"  
(#4) REBARS  
PERPENDICULAR  
TO EACH OTHER  
TO EXTEND 2.5"  
BEYOND ANCHOR

HEAVY DUTY ANCHOR  
SEE TABLE FOR LENGTH

FILL CONCRETE IN 6 INCH LIFTS  
THOROUGHLY CONSOLIDATE EACH LIFT

NOTES:

1. "R1-1 SIGNS SHALL BE "EXPRESSWAY" SIZE, AND ALL OTHER  
SIGNS SHALL BE "CONVENTIONAL ROAD" SIZE, AS DESCRIBED IN  
THE CALIFORNIA MUTCD, LATEST EDITION, TABLES 2B-1 AND 2C-2".

2. 3/8" ALUMINUM DRIVE RIVETS (TELESPAR PART NO. DRAS3878-06, OR  
APPROVED EQUIVALENT.) PLACE DRIVE RIVETS AS SHOWN ON  
SHEET 3 OF 3.

3. CONCRETE SHALL CURE A MINIMUM OF 7 DAYS PRIOR TO INSTALLING  
SIGN.

4. 5/16"Dia. X 3" GALV. CARRIAGE BOLT (SEE SHEET 3 FOR ATTACHMENT  
DETAIL).

5. REFER TO THE LATEST EDITION OF THE CALIFORNIA MUTCD FOR  
STANDARDS NOT SHOWN HERE.

6. ALL SIGNS SHALL BE PLACED WITHIN COUNTY ROAD RIGHT OF WAY.

<table>
<thead>
<tr>
<th>DISTANCE (D) FROM PCC TO TOP OF SLOPE (FT)</th>
<th>HEAVY DUTY ANCHOR LENGTH (IN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D &gt; 3.0</td>
<td>30&quot; TELESPAR (ALLIED TUBE &amp; CONDUIT PART NO. HDA200-30-G, OR EQ.)</td>
</tr>
<tr>
<td>2.0 &lt; D ≤ 3.0</td>
<td>36&quot; TELESPAR (ALLIED TUBE &amp; CONDUIT PART NO. HDA200-36-G, OR EQ.)</td>
</tr>
<tr>
<td>D &lt; 2.0</td>
<td>SPECIAL DESIGN</td>
</tr>
</tbody>
</table>

COUNTY OF YOLO  
PLANNING AND PUBLIC WORKS DEPARTMENT  
STREET SIGN ASSEMBLY—RURAL  
DATE: 5/6/2013

COUNTY ENGINEER No. C42401  
APPROVAL DATE: 7/MAY 2013

DRAWING #: 4-28  
NOT TO SCALE
NOTES:
1. 9" TALL X 0.080" ALUMINUM SIGN PLATE WITH WHITE LETTERS (6" HIGH INITIAL UPPER-CASE LETTERS, 4.5" HIGH LOWER CASE LETTERS) ON GREEN REFLECTIVE BACKGROUND, SINGLE FACED. DO NOT INCLUDE BLOCK NUMBERS. SEE IMPROVEMENT STANDARD FOR PRIVATE ROAD SIGN STANDARD.

2. "R1-1 SIGNS SHALL BE "EXPRESSWAY" SIZE, AND ALL OTHER SIGNS SHALL BE "CONVENTIONAL ROAD" SIZE, AS DESCRIBED IN THE CALIFORNIA MUTCD, LATEST EDITION, TABLES 2B-1 AND 2C-2."

3. 3/8" ALUMINUM DRIVE RIVETS (TELESPAR PART NO. DRAS3878-06, OR APPROVED EQUIVALENT). PLACE DRIVE RIVETS AS SHOWN ON SHEET 3 OF 3.

4. (2) GREEN 3/8" ALUMINUM DRIVE RIVETS PER SIGN. PLACE DRIVE RIVETS AS SHOWN ON SHEET 3 OF 3.

5. CONCRETE SHALL CURE A MINIMUM OF 7 DAYS PRIOR TO INSTALLING SIGN.

6. ALL SIGNS SHALL BE PLACED WITHIN COUNTY ROAD RIGHT OF WAY.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

STREET SIGN ASSEMBLY—SUBDIVISION

DATE: 5/6/2013
SHEET # 2 OF 3
DRAWING #: 4-28
NOT TO SCALE

COUNTY ENGINEER No. C42401
APPROVAL DATE 7 MAY 2013
SIGN STANDARDS AND DETAILS

SHEETING (BACKGROUND)

3M TYPE XI DIAMOND GRADE 3 SERIES 4000 PRISMATIC SHEETING

A. WHITE—REGULATORY SIGNS AND GUIDE SIGNS (STREET NAMES)
B. FLUORESCENT YELLOW—WARNING SIGNS
C. FLUORESCENT ORANGE—CONSTRUCTION SIGNS
D. FLUORESCENT YELLOW/GREEN—SCHOOL, PEDESTRIAN AND BICYCLE SIGNS

SHEETING (FOREGROUND)

3M ELECO CUT FILM (E.C. FILM) SERIES 1170

A. RED—REGULATORY SIGNS
B. GREEN—GUIDE SIGNS (STREET NAMES)
C. BLUE—DISABLED PERSONS (ADA) AND TOURIST SIGNS
D. BROWN—RECREATIONAL AND CULTURAL SIGNS

LEGENDS AND TEXT

3M SCOTCHCAL ELECTRO CUT FILM SERIES 7725
A. BLACK

SIGN ATTACHMENT DETAIL

(2) 5/16" DIA. X 3" CARRIAGE BOLT WITH HAWKINS VCA179-5 NYLON HEAD ADAPTOR AND HAWKINS M2G-VP56N VANDAL PROOF NUT

1/4" X 1" HEX HEAD BOLT WITH WASHER AND NYLOCK NUT

3/8" ALUMINUM DRIVE RIVET

HAWKINS MODEL # M2G-2S-31M SIGN BACK BRACE OR APPROVED EQUIVALENT

SIGN POST TO ANCHOR ATTACHMENT DETAIL

(2) 3/8" ALUMINUM DRIVE RIVETS TO ATTACH POLE TO ANCHOR ASSEMBLY

DIRECTION OF VEHICLE TRAVEL

Pavement

(2) GREEN 3/8" ALUMINUM DRIVE RIVETS PER SIGN TYPICAL

BRACE ATTACHMENT DETAIL

STREET NAME SIGN ATTACHMENT DETAIL

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

SIGN STANDARDS AND DETAILS

COUNTY ENGINEER No. C42401
APPROVAL DATE

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

SIGN STANDARDS AND DETAILS

COUNTY ENGINEER No. C42401
APPROVAL DATE

DRAWING #: 4-28

NOT TO SCALE
NOTES:

1. SECTION 'A' SHALL BE USED FOR THE GUTTER 50 FEET EACH SIDE OF BUS STOPS WITHOUT TURNOUTS. THE REBAR SHALL BE CONTINUED ACROSS ANY DRIVEWAYS WITHIN THE 50 FOOT DISTANCE FROM THE BUS STOP.

2. BUS SHELTER DETAILS AND BUS STOP SIGNAGE SHALL BE APPROVED BY YOLO COUNTY TRANSPORTATION DISTRICT.

3. CLASS A CONCRETE, 8 SACK MIX, FINISHED AND CURED IN ACCORDANCE WITH CALTRANS SPECIFICATIONS. PROVIDE TOOLED CRACK CONTROL JOINTS AS DIRECTED BY COUNTY ENGINEER.
TRANSITION TO MATCH SIDE STREET SIDEWALK WIDTH AT END OF CURVE

TRANSITION TO SIDEWALK WIDTH

6'

BUS SHELTER (EASEMENT REQUIRED)

BACK OF SIDEWALK

6'

10'

6' R = 25'

STREET LIGHT

USE DETAIL "A"

BUS TURNOUT AT CORNER

ARTERIAL OR COLLECTOR STREET

VARIES

6'

125'

60'

60'

TYPICAL MID-BLOCK BUS TURNOUT

STREET LIGHT (EASEMENT REQUIRED)

USE DETAIL "A"

NOTES:

1. THE DIMENSIONS SHOWN ARE MINIMUM STANDARDS. THE COUNTY ENGINEER MAY DETERMINE ADDITIONAL WIDENING TO BE NECESSARY, WHERE HIGHER OPERATING SPEEDS AND TRAFFIC VOLUMES ARE ANTICIPATED.

2. ON ARTERIALS, SIDEWALKS MAY BE ADJACENT TO CURB IN RETROFIT SITUATIONS ONLY. ALL NEW CONSTRUCTION REQUIRES SEPARATED SIDEWALKS PER STANDARDS.

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

BUS TURNOUT

DATE: 08/05/08

SHEET # 2 OF 3

DRAWING #: 4-29
NOT TO SCALE
BUS SHELTER DESIGN

4" P.C.C. ON 6" AB

LEANING RAILS

SCHEDULE HOLDER

6'-0" MINIMUM ALUMINUM BENCH

BUS STOP SIGN ON STREET LIGHT

COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT

BUS SHELTER DESIGN AND PLACEMENT

NOTE:
1. BUS SHELTER SHALL BE APPROVED BY YOLO COUNTY TRANSPORTATION DISTRICT.
NOTES:
1. PLACE FIRST "ROAD CLOSED AHEAD" SIGN AT NEAREST INTERSECTING ROAD.
2. R11-2 "ROAD CLOSED" AND N-2(CA) MAY BE MOUNTED ON K-RAIL, A GATE, OR TYPE III BARRICADES WITH SANDBAG BALLASTS.
3. CLOSURE SHALL BE IMPLEMENTED ON BOTH APPROACHES TO CLOSED ROAD SEGMENT.
4. WHEN KEEPER POST IS PROVIDED TO ALLOW GATE TO REMAIN IN OPEN POSITION, GATE ARM SHALL BE ROTATED TO THE DOWNSTREAM DIRECTION.