RESOLUTION NO. 2015-106

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REEDLEY ACCEPTING REVISIONS TO THE STANDARD DRAWINGS FOR THE WATER AND SEWER SECTIONS OF THE STANDARD PLAN DRAWINGS.

WHEREAS, the City of Reedley Standard Plan Drawings are used by the City to provide consistency and ease of maintenance to required facilities constructed within the City right of way; and

WHEREAS, the City of Reedley Standard Plan Drawings are used by contractors and developers to estimate the materials and costs for the installation of City owned facilities within the City right of way, and

WHEREAS, the Standard Plan Drawings have not been updated since 2007, and

WHEREAS, the Standard Plan Drawings should reflect the most current federal/state regulations and City ordinances, and

WHEREAS, on November 10th, 2015 the City held a public meeting at the City of Reedley Council Chamber, at 845 “G” Street and received a staff report, staff presentation and accepted public comments.

NOW, THEREFORE, BE IT RESOLVED AS Follows:

1. The foregoing recitals are true and correct and incorporated herein by reference; and

2. The City Council using their independent judgment, hereby accepts the revised and new standard plan drawings for water and sewer facilities; and

3. This resolution is effective upon adoption.

This foregoing resolution is hereby approved the 10th day of November, 2015, by the following vote:


NOES: None.

ABSTAIN: None.

ABSENT: None.

Ray Soleno, Mayor

ATTEST:

Sylvia B. Plata, City Clerk
RESOLUTION NO. 2016-085

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REEDLEY ACCEPTING THE REVISIONS TO THE STANDARD PLAN DRAWINGS FOR THE STREETS, STORM DRAIN, AND LANDSCAPE SECTIONS OF THE STANDARD PLAN DRAWINGS

WHEREAS, the City of Reedley Standard Plan Drawings are used by the City to provide consistency and ease of maintenance to required facilities constructed within the City right of way; and

WHEREAS, the City of Reedley Standard Plan Drawings are used by contractors and developers to estimate the materials and costs for the installation of City owned facilities within the City; and

WHEREAS, the Standard Plan Drawings have not been updated since 2007; and

WHEREAS, the Standard Plan Drawings should reflect the most current federal/state regulations and City ordinances; and

WHEREAS, on September 27, 2016 the City held a public meeting at the City of Reedley Council Chamber, at 845 "G" Street and received a staff report, staff presentation, and accepted public comments.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The foregoing recitals are true and correct and incorporated herein by reference; and

2. The City Council using their independent judgment, hereby accepts the revised and new standard plan drawings for streets, storm drain, and landscape facilities; and

3. This resolution is effective upon adoption.

This foregoing resolution is hereby approved the 27th day of September, 2016, by the following vote:

AYES: Betancourt, Fast, Beck, Rodriguez, Soleno.

NOES: None.

ABSTAIN: None.

ABSENT: None.

Ray Soleno, Mayor

ATTEST:

Sylvia B. Plata, City Clerk
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STREET INSTALLATION

NOTES:
1. SEWER SERVICE LATERAL WITHIN A RESIDENTIAL SUBDIVISION SHALL BE LOCATED 10 FT OFF FROM CENTER OF LOT.
2. COMPACT SOIL UNDER AND AROUND PVC SEWER WYE TO AVOID SHEAR.
3. LATERALS LOCATED SO AS NOT TO CONFLICT WITH PUBLIC UTILITIES.
4. P.U.E. = PUBLIC UTILITY EASEMENT
5. SEWER SERVICE LATERAL TO BE 6inx35 or 21 W/GASKETS. PVC W/MIN. PIPE STIFFNESS OF 46 AT 5% DEFORMATION.

ALLEY INSTALLATION

NOT TO SCALE

SEWER SERVICE LATERAL CONNECTION INTO NEW SEWER MAIN

REVISIONS:
NOV. 2015

CITY OF REEDLEY

S-1

DRAWN BY: kdp
NOTES:
1. FOR PIPES 6” TO 12” IN DIAMETER, A LICENSED CONTRACTOR (C36) WHO HAS THE PROPER EQUIPMENT AND PERMITS IS CONSIDERED AN APPROVED AGENT AND MAY CORE INTO THE CITY’S SEWER MAINS OR REMOVE A SECTION AND INSTALL A WYE OR TEE.
2. FOR SEWER MAINS 18” OR LARGER, A MAHOLE MUST BE CONSTRUCTED WHERE CORINGS ARE MADE.
3. THE CITY PUBLIC WORKS INSPECTOR MUST OBSERVE ALL SADDLE & CORE CONNECTIONS TO EXISTING CITY SEWER MAINS.
4. VITRIFIED CLAY PIPE SADDLES SHALL BE EXTRA STRENGTH CLAY PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF THE "WEST COAST STANDARDS OF THE CLAY PIPE INSTITUTE".
5. OPENINGS INTO EXISTING SEWER MAINS SHALL BE MADE ONLY LARGE ENOUGH TO ADMIT ALL OF SADDLE FITTINGS.
6. THIS STANDARD DETAIL IS ONLY TO BE USED WHEN CONNECTING TO EXISTING SEWER MAIN LINES. NEW LINES SHALL HAVE WYES AS PER CITY STD. PLAN S-1.
7. APPLY SILICON SEALANT TO COMPRESSION SCREWS AND WRAP STAINLESS STEEL STRAP WITH THREE (3) LAYERS OF PVC TAPE.

NOT TO SCALE

SEWER LATERAL SERVICE CONNECTION INTO EXISTING SEWER MAIN

REVISIONS: NOV. 2015

CITY OF REEDLEY

S-2

DRAWN BY: kjp
NOT TO SCALE

SEWER CLEANOUT

REVISIONS:
NOV. 2015

CITY OF REEDLEY

DRAWN BY: kji

S–3
NOT TO SCALE

SEWER MANHOLE

REVISIONS:
NOV. 2015

CITY OF REEDLEY

S-4
NOTES:
1. DROP MANHOLE WILL ONLY BE ALLOWED WITH THE APPROVAL OF CITY ENGINEER.
2. DROP MANHOLE IS ALLOWED ONLY IF THE DROP DISTANCE IS 2.5 FT. OR GREATER.
3. ALL JOINTS BETWEEN PRECAST SECTIONS SHALL BE MORTARIED AND THE COMPRessed SURFACE INSIDE OF MANHOLE JOINT SHALL BE MORTARIED TO A SMOOTH SURFACE.
4. MASTIC (KENTSEAL NO. 2 OR EQUAL) MAY BE SUBSTITUTED AT JOINTS. MASTIC SHALL COVER A MIN. OF 1/2 THE COMPRESSED SURFACE OF THE JOINT.
5. PRECAST PIPE, ADJUSTING RINGS AND TAPERED SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478 USING TYPE III CEMENT.
7. MAXIMUM SPACING BETWEEN MANHOLE LEGS SHOULD BE 600 FT. MANHOLE LEGS SHALL BE PLACED AT THE INTERSECTION OF ALL MAIN SEWER LINES AND ALL CHANGES OF ALIGNMENT EITHER VERTICAL OR HORIZONTAL.

MANHOLE COVE, COVER & FRAME
PER CITY STD PLAN S-4

SEE S-9 FOR TYP. FLOW CHANNEL LAYOUTS

FLOW ELEVATION

FLOW

REINFORCED CONCRETE PIPE (ASTM C-478)
CONTINUOUS PIPE INSIDE MANHOLE
APPROVED TYPES OF PIPE SHALL MEET OR EXCEED THE FOLLOWING REQUIREMENTS:
1. PVC - ASTM D3034-74
2. VCJ - ASTM C-278
ASTM C-425
PIPES OF DIFFERENT DIAMETERS TO BE SET WITH THE TOP OF PIPES AT THE SAME ELEVATION.
TURN 45 DEG. MIN IN DIRECTION OF FLOW.

CONTOURED CONCRETE BASE CLASS 'A'
(6 SACQ MIX)

NOT TO SCALE

REVISIONS:
NOV. 2015

CITY OF REEDLEY

SEWER DROP MANHOLE

DRAWN BY: kjp

S-5
NOTES:

1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

2. MATERIAL SHALL BE CAST IRON.

3. FRAME AND COVER TO BE CONSTRUCTED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A48, CLASS 25.

4. MANHOLE COVER DESIGN, AS A MINIMUM, IS TO HAVE THE WORDS "STORM SEWER" OR "SANITARY SEWER" MOLDED INTO THE COVER.

5. FRAME AND COVER SHALL MATCH CROSS SLOPE.
BELL-LESS PIPE

STEEL JACKED CASING—SEE PLANS FOR SIZE AND THICKNESS

PIPE LINE

REDWOOD SKIDS

TRIM BLOCKS FOR ALIGNMENT AND GRADE

SECTION A-A

SECTION B-B

REDWOOD BLOCK DETAIL

NOTES:
1. REDWOOD BLOCKS SHALL BE CONSTRUCTION GRADE.
2. REDWOOD BLOCKS SHALL BE VEED TO FIT CONTOUR OF PIPE.
3. WHEN JACKING CASING GRADE SHALL BE SET SO CENTERLINE OF CASING SHALL CONSIDER WITH CENTERLINE OF SEWER PIPE.
4. REDWOOD BLOCKS SHALL BE STRAPPED TO THE PIPE WITH STEEL STRAPPING OR APPROVED WIRE BANDS.
5. PLUG ENDS OF CASING WITH 12 INCHES MINIMUM OF CONCRETE.
6. CONCRETE SHALL BE CLASS B.

NOT TO SCALE

INSTALLATION OF CARRIER PIPE IN JACKED STEEL CASING

REVISIONS:
NOV. 2015

CITY OF REEDLEY

DRAWN BY: kjp
1. The size and details of all interceptors shall be in accordance with the requirements of the California Plumbing Code, current edition, hereinafter referred to as CPC. All interceptors shall be sealed and water tight.

2. Interceptors shall be constructed and vented in accordance with the specifications set forth in the CPC.

3. The location of the interceptor shall be approved by the Community Development Department prior to construction.

4. All cast in place or precast interceptor units shall be approved by the Community Development Department prior to construction.

5. The owner shall be responsible for providing all documentation & testing to certify that the interceptors and waste streams meets the requirements of all current regulations and the Community Development Department requirements.

6. Pre-cast interceptors shall be labeled with the manufacturer's name, model number and shall have an I.A.P.M.O. certification mark.

7. All concrete for cast-in-place interceptors shall be class 2 concrete in accordance with the City of Reedley standard specifications.

8. Cast iron frames may be cast into the interceptor lid.

9. All interceptors shall be accessible to the Community Development Department for testing at any time.

CITY OF REEDLEY
COMMUNITY DEVELOPMENT DEPARTMENT
REEDLEY, CA 93654
559-637-4200
**NOTES:**

1. THE INLET MAY BE MODIFIED SLIGHTLY TO MATCH EXISTING IMPROVEMENTS, AS DIRECTED BY THE ENGINEER.
2. STRUCTURE SHALL BE CLASS "A" 4000 PSI CONCRETE, MAX. 3-1/2" SLUMP.
3. EXPOSED SURFACES SHALL BE BROOM FINISHED.
4. COST OF FRAME, GRATE, CURB AND GUTTER WITHIN LIMITS OF GUTTER DEPRESSION SHALL BE INCLUDED IN THE PRICE OF INLET OR OUTLET.
5. WHEN EMPLOYED AS OUTLET, CONSTRUCT OPEN BOTTOM. PLACE FRAME AND GRATE 6" BELOW TOP OF CURB GRADE, AND ELIMINATE 1/2" IRON ROO AND HANGERS.
6. CURB & GUTTER SHALL BE CONSTRUCTED OR RECONSTRUCTED FOR A DISTANCE OF 9'-0" AND COST THEREOF SHALL BE INCLUDED IN PRICE OF INLET OR OUTLET.
7. FLOOR OF THE INLET SHALL SLOPE FROM ALL WALLS TO THE LATERAL LINE AND SHALL BE GIVEN A STEEL-TROWELED FINISH.
8. AT THE CONTACT POINT BETWEEN THE LATERAL LINE AND THE INLET WALL A SMOOTH 3" RADIUS CURVE SHALL BE CONSTRUCTED.
9. IF INLET IS CONSTRUCTED IN A TWO STAGE POUR, PROVIDE A ROUGHENED CONSTRUCTION JOINT AND PLACE NO. 4 BARS 24" LONG, 12" O.C. IN EACH OF THE FOUR WALLS AS SHOWN.
10. NO. 4 REINFORCING BARS SHALL BE PLACED VERTICALLY AT 12" OC MAX. WITH NO. 4 HORIZONTAL REINFORCING TIE BARS AT 36" OC FOR H=6.5' OR MORE.

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**TYPE "A" STORM DRAINAGE INLET**

**REVISIONS:**

SEPT. 2016

**CITY OF REEDLEY**

SD-1

**DRAWN BY:** kjp
NOT TO SCALE

STORM DRAINAGE INLET
THROAT FORM & FRAME

REVISIONS:
SEPT. 2016

CITY OF REEDLEY
SD-2

NOTE:
1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.
2. ALL PARTS SHALL BE STRUCTURAL GRADE STEEL.
3. ALL EXPOSED METAL PARTS SHALL BE PAINTED OR DIPPED WITH ASPHALTUM PAINT.

ANCHOR 6" X 1/2" P (TYP.)

ANCHOR 6" X 1/2" P (TYP.)

CONSTRUCT 4" RADIUS BEND IN PLATE

1/8" STEEL PLATE

THROAT SIDEPLATE DETAIL

*W = 3'-6" UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER OR AS NOTED ON THE PLANE.
SECTION "BB"

PLAN

OUTLET DETAIL

NOTES:
1. THE INLET MAY BE MODIFIED SLIGHTLY TO MATCH EXISTING IMPROVEMENTS, AS DIRECTED BY THE ENGINEER.
2. STRUCTURE SHALL BE CLASS "A" 4000 PSI CONCRETE. EXPOSED SURFACES SHALL BE FINISHED AS PER CURB SPECIFICATIONS.
3. COST OF FRAME AND GRATE, AND CURB AND GUTTER WITHIN LIMITS OF GUTTER DEPRESSION SHALL BE INCLUDED IN PRICE OF INLET OR OUTLET.
4. WHEN EMPLOYED AS OUTLET, CONSTRUCT OPEN BOTTOM, PLACE FRAME AND GRATE 6" BELOW TOP OF CURB GAGE, AND ELIMINATE 1/2" IRON ROD AND RANGES.
5. CURB AND GUTTER SHALL BE CONSTRUCTED OR RECONSTRUCTED FOR A DISTANCE OF 6'-0" AND COST THEREOF SHALL BE INCLUDED IN PRICE OF INLET OR OUTLET.
6. FLOOR OF THE INLET SHALL SLOPE FROM ALL WALLS TO THE LATERAL LINE AND SHALL BE GIVEN A STAMPED FINISH.
7. AT THE CONTACT POINT BETWEEN THE LATERAL LINE AND THE INLET WALL A SMOOTH 3' RADIUS CURVE SHALL BE CONSTRUCTED.
8. IF INLET IS CONSTRUCTED IN A TWO STAGE FLOOR, PROVIDE A ROUGHENED CONSTRUCTION JOINT AND PLACE ONE NO. 4 BAR 12" LONG IN EACH OF THE FOUR WALLS AS SHOWN.
9. NO. 4 REINFORCING BARS SHALL BE PLACED VERTICALLY AT 12" O.C. MAX. WITH NO. 4 HORIZONTAL REINFORCING TIE BARS AT 36" O.C. FOR H=6.5' OR MORE.
NOTES:

1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURAL GRADE STEEL.
3. ALL EXPOSED METAL PARTS SHALL BE PAINTED OR DIPPED WITH AN ASPHALTUM PAINT.
4. 2-1/2"x15-3/8" STEEL RODS. ONE NUT ON EACH END. TACK WELD NUTS TO ADJACENT BARS AFTER ASSEMBLY, ON EACH SIDE.
NOT TO SCALE

NOTES:
1. CONCRETE SHALL BE CLASS "A".
2. ELEVATE INLET FULL PIPE DIAMETER ABOVE OUTLET.

SECTION "AA"

3- NO.4 HORIZ. REBAR. EPOXY-GROUT INTO CHRISTY U36 CATCH BASIN.

REMOVABLE 1/4" CHECKERPLATE STEEL LID. PROVIDE HOLES OR OTHER MEANS FOR REMOVING.

CONSTRUCT CONCRETE SEPARATION WALL WITH 3- NO.4 HORIZ. REBAR TO BE EPOXY-GROUTED INTO PREFORMED CHRISTY U36 CATCH BASIN.

FROM DOWN-SPOUTS AND FLOOR DRAINS.

SD-6

CITY OF REEDLEY

SAND TRAP

REVISIONS:
SEPT. 2016

DRAWN BY: kjp
NOTES:

1. OVERFLOW MUST BE TO THE STREET, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. DESIGN WATER SURFACE ELEVATION SHALL BE 6" INCHES BELOW THE LOWEST INLET FLOW LINE OR POND PERIPHERAL ELEVATION, WHICHEREVER IS LOWER.
3. REQUIRED CAPACITY: \( V = \frac{CIA}{I} \) WHERE,
   \( V \) = REQUIRED BASIN CAPACITY IN CUBIC FEET
   \( C \) = RUNOFF COEFFICIENT
   \( I \) = RAINFALL FROM A DESIGN STORM (0.28" / 5YR - 10 DAY STORM MIN.)
   \( A \) = TRIBUTARY AREA IN SQUARE FEET.
4. PROVIDE COMPOSITE "C" CALCULATIONS.
5. EIGHT (8') FOOT WIDE VEHICLE RAMP WITH A MAX. SLOPE OF 15% REQUIRED IN 1/2 ACRE OR LARGER BASINS.
6. TEMPORARY PONDING BASINS SHALL BE FENCED WITHIN SEVEN (7) DAYS TIME AFTER THEY BECOME OPERATIONAL.
7. BASIN SHALL BE SIZED TO HANDLE THE REQUIRED STORAGE VOLUME WITHOUT EXCEEDING AN EXCAVATION DEPTH OF TWELVE (12') FEET.
8. ADEQUATE AREA AT THE FLOOR OF THE BASIN SHALL BE PROVIDED FOR MANEUVERING MAINTENANCE EQUIPMENT.
9. LANDSCAPING OF THE BASIN MAY NOT BE NECESSARY IF SCREENED FENCING IS PROVIDED; HOWEVER, LANDSCAPING TREATMENT BETWEEN THE FENCE & THE STREET MAY BE REQUIRED.
10. FENCING IS NOT REQUIRED ON BASINS WHERE THE MAX. POSSIBLE WATER DEPTH DOES NOT EXCEED 18" & THE SIDE SLOPES ARE 6 TO 1 OR FLATTER.
11. A SOIL BORING LOG TO A DEPTH OF NOT LESS THAN 30 FEET SHALL BE SUBMITTED TO THE CITY ENGINEER.

NOT TO SCALE
THE DEVELOPER SHALL INCORPORATE DUST AND EROSION CONTROL MEASURES INTO THE CONSTRUCTION PHASE OF THE PROJECT. THE CITY ENGINEER SHALL REVIEW AND APPROVE SAID MEASURES PRIOR TO THE ISSUANCE OF BUILDING OR ENCROACHMENT PERMITS. THE APPLICANT’S CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT SILT AND OTHER SEDIMENTATION FROM ENTERING THE CITY OF REEDLEY’S STORM DRAINAGE & SEWER SYSTEMS. SUCH PRECAUTIONS SHOULD GENERALLY CONFORM TO THE LATEST EDITION OF THE CALTRANS STORMWATER QUALITY HANDBOOK & SECTION 14 OF 2010 CALTRANS STANDARD SPECIFICATIONS. SUCH PRECAUTIONS AND DETAILS SHALL BE NOTED OR SHOWN ON THE GRADING AND DRAINAGE IMPROVEMENT PLANS AND ARE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

MAY BE USED SHORT TERM W/ UTILITY WORK AND W/ PHASING OF DEVELOPMENT

BIOFILTER BAGS
TEMPORARY

CATCH BASIN
TYPICAL STREET STRUCTURAL CROSS SECTION

TRAFFIC INDICES AND MINIMUM PAVEMENT SECTIONS

<table>
<thead>
<tr>
<th>CLASS OF STREET</th>
<th>TRAFFIC INDEX &quot;R&quot; VALUE</th>
<th>MIN. AC</th>
<th>MIN. AB</th>
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<tr>
<td>MAJOR ARTERIAL</td>
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<tr>
<td>ALLEY</td>
<td>4</td>
<td>2&quot;</td>
<td>4&quot;</td>
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</tbody>
</table>

NOTES:
1. ALL STREET STRUCTURAL PAVEMENT SECTIONS SHALL BE BASED ON "R" VALUE TESTS & CHAPTER 600 OF THE HIGHWAY DESIGN MANUAL.
2. STREET STRUCTURAL PAVEMENT SECTION CALCULATIONS SHALL BE SUBMITTED TO & APPROVED BY CITY ENGINEER.
3. A SAFETY FACTOR OF 0.2 SHALL BE APPLIED IN PAVEMENT CALCULATIONS.
4. SOIL TEST DATA USED IN THE DESIGN CALCULATIONS SHALL BE FURNISHED BY A SOILS TESTING LABORATORY REPORT TO BE SIGNED AND SEALED BY A CA REGISTERED CIVIL ENGINEER.
NOTES:
1. 2" x 6" REDWOOD HEADERBOARD MAY BE REQUIRED WHERE FRACTIONAL PORTION OF STREET IS IMPROVED.
2. STREET STRUCTURAL SECTIONS SHALL BE BASED ON "R" VALUE TEST AND STANDARD PLAN ST=1.
3. A MINIMUM CENTER LINE RADIUS OF CURVATURE FOR MAJOR ARTERIAL AND ARTERIAL IS 1,000 FEET, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
4. MEDIAN SHALL BE LANDSCAPED AND IRRIGATION IMPROVEMENTS INSTALLED.
5. THE INTERSECTION AREAS SHALL RECEIVE SPECIAL CONSIDERATION AS TO "STREET RIGHT OF WAY AND IMPROVEMENT STANDARDS" (ORD, 2000-05, 4-25-2000).
6. SIDEWALK WIDTH: RESIDENTIAL = 5', INDUSTRIAL = 5' AND COMMERCIAL = 9' - 6".

NOT TO SCALE
LOCAL RESIDENTIAL STREET
W/MONOLITHIC SIDEWALK

LOCAL RESIDENTIAL STREET
W/PARKSTRIP

LOCAL INDUSTRIAL STREET
W/MONOLITHIC SIDEWALK

NOTES:
1. A MINIMUM CENTER LINE RADIUS OF CURVATURE FOR LOCAL RESIDENTIAL STREETS IS 175 FEET, FOR LOCAL INDUSTRIAL STREET IS 500 FEET, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
2. MAXIMUM BLOCK LENGTH FOR A LOCAL RESIDENTIAL STREET IS 660 FEET.
3. 2" x 6" REDWOOD HEADERBOARDS AND 6" HIGH A.C. Dike may be required where fractional portion of street is improved.
4. STREET STRUCTURAL SECTION SHALL BE BASED ON "R" VALUE TESTS AND STANDARD PLAN ST-1.

NOT TO SCALE

LOCAL STREET CROSS-SECTIONS  REVISIONS:  SEPT. 2016
CITY OF REEDLEY  ST-3
DRAWN BY: kjp
NOTES:
1. ALLEY STRUCTURAL, SECTIONS SHOWN ARE MINIMUM, MAY VARY DEPENDING ON "R" VALUE TESTS & STD. PLAN ST-1.
2. CROWN SECTION ALLOWED ONLY WITH SPECIAL APPROVAL FROM THE CITY ENGINEER.
3. ALL CONCRETE USED IN VALLEY GUTTER SHALL BE 4000 PSI.
4. REBAR SHALL HAVE A MINIMUM OF 2" CLEAR COVERAGE.
5. REBAR SHALL BE DEFORMED STEEL BARS AND SHALL BE GRADED 40 MINIMUM, FREE OF RUST OR DIRT AND SHALL BE THOROUGHLY CLEANED BEFORE PLACEMENT.

ALLEY CROSS SECTIONS & PLAN

CITY OF REEDLEY

ST-4

REVISIONS:
SEPT. 2016

DRAWN BY: kjp
NOTES:
1. THE PARTIAL WIDTH STREET IS ONLY PERMITTED ON A FRONTAGE WHERE THE DEVELOPER DOES NOT HAVE OWNERSHIP OR CONTROL OF THE RIGHT-OF-WAY FOR A FULL WIDTH STREET IMPROVEMENT.
2. SHOULDER PAVEMENT TREATMENT PM10 AS REQUIRED PER SJVAPCD, RULE 8061.
3. STREET STRUCTURAL SECTION SHALL BE BASED ON "X" VALUE TESTS AND STANDARD PLAN ST-1.
NOTES:
1. AS REQUIRED BY THE CITY ENGINEER FOR CIRCULATION.
2. PAVEMENT SECTION MAY BE REQUIRED TO BE FULL DEPTH DESIGNED SECTION IF IN ALIGNMENT WITH A FUTURE STREET.
3. A SECONDARY ACCESS EASEMENT OR STREET RIGHT-OF-WAY DEDICATION IS REQUIRED.
4. SHOULDER PAVEMENT TREATMENT PM10 AS REQUIRED PER SJVAPCD RULE 8061.

SECONDARY ACCESS ROAD

NOTES:
1. AS REQUIRED BY THE CITY OF REEDLEY FIRE DEPARTMENT & CITY ENGINEER FOR SECONDARY ACCESSES.
2. FOR EMERGENCY ACCESS, BARRICADES MAY BE REQUIRED TO RESTRICT ACCESS PER CITY STD PLAN ST-78.
3. AN EMERGENCY/MAINTENANCE ACCESS EASEMENT DEDICATION IS REQUIRED.

MAINTENANCE & EMERGENCY ACCESS ROAD
NOTES:
1. HEADER BOARD TO BE INSTALLED AT EDGES OF PAVEMENT EXCEPT WHERE JOINING EXISTING PAVEMENT.
2. HEADER BOARD TO BE INSTALLED TO FINISHED GRADE PRIOR TO PAVING.
3. BACKFILL BEHIND HEADER BOARD PRIOR TO STREET CONSTRUCTION.
4. HEADER BOARD SHALL BE REDWOOD OR PRESSURE-TREATED DOUGLAS FIR.
5. 2" X 4" X 18" STAKES SHALL BE REDWOOD OR PRESSURE-TREATED DOUGLAS FIR.
CONCRETE GUTTER VOLUMES:
CURB AND 24" GUTTER VOLUME = 1.544 C.F./FT.
= 0.0572 C.Y./FT.
CURB AND 18" GUTTER VOLUME = 1.294 C.F./FT.
= 0.0479 C.Y./FT.

SECTION A-A

EXCHANGE JOINT 20' MAX SPACING (SIDEWALK)

PLAN

1. 18-18" GUTTER TO BE INSTALLED WHERE SIMILAR EXISTS OR AS DIRECTED BY THE CITY ENGINEER.
2. THE MAXIMUM SPACING FOR EXCHANGE JOINTS FOR CURB AND GUTTER IS 40 FT.
3. WEAKENED PLANE JOINTS SHALL BE PLACED AT A SPACING OF 10 FT. FOR CURB, GUTTER & SIDEWALK.
4. THE MAXIMUM SPACING FOR EXCHANGE JOINTS IN SIDEWALK IS 20 FT.
5. ALL CONCRETE USED IN SIDEWALK, CURB & GUTTER SHALL BE 4000 PSI.
6. GUTTER FLOW SLOPE 0.2% MIN.
7. SIDEWALK WIDTH: RESIDENTIAL = 5', INDUSTRIAL = 5' AND COMMERCIAL = 9'-6''.
8. STAMP CURB FACE AT SEWER & WATER LATERAL HOUSE BRANCH LOCATIONS PER CITY SPECIFICATIONS.

CITY OF REEDLEY

ST-8

DRAWN BY: kip

REVISED:
SEPT. 2016


CONCRETE GUTTER VOLUMES:
CURB AND 24" GUTTER VOLUME = 1.544 CF/FT
= 0.0572 CF/FT.

SECTION A-A

EXPANSION JOINT 20' MAX. SPACING

PLAN

NOTES:
1. THE MAXIMUM SPACING FOR EXPANSION JOINTS FOR CURB AND GUTTER IS 40 FT.
2. WEAKENED PLANE JOINTS SHALL BE PLACED AT A SPACING OF 10 FT. FOR CURB, GUTTER & SIDEWALK.
3. THE MAXIMUM SPACING FOR EXPANSION JOINTS IN SIDEWALK IS 20 FT.
4. STAMP CURB FACE AT SEWER & WATER LATERAL HOUSE BRANCH LOCATIONS PER CITY SPECIFICATIONS.
5. ALL CONCRETE USED IN SIDEWALK, CURB & GUTTER SHALL BE 4000 PSI.
6. AREA BETWEEN CURB & SIDEWALK SHALL BE FILLED TO 1" BELOW TOP OF CURB W/CLEAN TOPSOIL, FREE OF DEBRIS.
7. SIDEWALK WIDTH: RESIDENTIAL = 5', INDUSTRIAL = 5' AND COMMERCIAL = 9'-6".

CITY OF REEDLEY
CURB, GUTTER
AND SIDEWALK WITH
PLANTER STRIP
DRAWN BY: kjs

REVISIONS:
SEPT. 2016

ST-9
SIDEWALK PLAN WITH OBSTRUCTION/STREET FIXTURE

SECTION

3 TOTAL 1/2" x 16" SMOOTH STEEL DOWELS

NEW CONCRETE

PRECAST MORTAR BLOCK PLACED UNDER REBAR (TYP)

BACK OF CURB

6:1 OFFSET

4’ MIN. CLEARANCE

GUTTER

STREET FIXTURE

SIDEWALK

BACK OF CURB

4’ MIN. CLEARANCE

5’ SIDEWALK

5’

CONCRETE FLATWORK (SECTION)

PLAN

CONCRETE CURB & GUTTER

NOT TO SCALE.

SIDEWALK OBSTRUCTIONS AND CONCRETE COLD JOINTS

ST-11

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

DRAWN BY: kjp
NOT TO SCALE

12 FT. RADIUS CURB RETURN WITH WHEELCHAIR RAMP

REVISIONS:
SEPT. 2016

DRAWN BY: kjp

CITY OF REEDLEY

ST-12

NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CURRENT ADA GUIDELINES.
2. 12" WIDE BORDER WITH 1/4" DEPTH AND WIDTH GROOVES APPROX. 3/4" O.C. SEE GROOVING DETAIL ABOVE.
3. MEDIUM BROOM-FINISH WITHIN RAMP AREA.
4. DETECTABLE WARNING SURFACE REQUIRED FULL WIDTH & 3' DEPTH OF RAMP PER ST-17.
5. RAMP THICKNESS SHALL BE 6".
6. GUTTER PAN TO BE FLATTENED TO 5% IN FRONT OF RAMP.
7. CONCRETE SHALL BE 4000 PSI.
8. 6" O.C. COMPACTED TO 95% RELATIVE COMPACTION.
9. MEASUREMENT: RAMP INCLUDES LANDING AREA OUT TO EXPANSION JOINTS-SF, CURB & GUTTER-LF, SIDEWALK-SF
NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CURRENT ADA GUIDELINES.
2. 12" WIDE BORDER WITH 1/4" DEPTH AND WIDTH GROOVES APPROX. 3/4" O.C. SEE GROOVING DETAIL ABOVE.
3. MEDIUM BROOM-FINISH WITHIN RAMP AREA.
4. DETECTABLE WARNING SURFACE REQUIRED FULL WIDTH & 3’ DEPTH OF RAMP PER ST-17.
5. RAMP THICKNESS SHALL BE 6”.
6. GUTTER PAN TO BE FLATTENED TO 5% IN FRONT OF RAMP.
7. CONCRETE SHALL BE 4000 PSI.
8. 6" O.C. COMPACTED TO 95% RELATIVE COMPACTION.
9. MEASUREMENT: RAMP INCLUDES LANDING AREA OUT TO EXPANSION JOINTS-SF, CURB & GUTTER-LF, SIDEWALK-SF
10. INTERSECTIONS INVOLVING RESIDENTIAL STREETS OTHER THAN KNUCKLE CURVES.

SECTION A-A

FLUSH, NO LIP

20 FT. RADIUS CURB RETURN WITH WHEELCHAIR RAMP

CITY OF REEDLEY

REVISIONS:
SEPT. 2016

DRAWN BY: kjp

ST-13
NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CURRENT ADA GUIDELINES.
2. 12" WIDE BORDER WITH 1/4" DEPTH AND WIDTH GROOVES APPROX. 3/4" O.C. SEE GROOVING DETAIL BELOW.
3. MEDIUM BROOM–FINISH WITHIN RAMP AREA.
4. DETECTABLE WARNING SURFACE REQUIRED FULL WIDTH & 3' DEPTH OF RAMP PER ST-17.
5. RAMP THICKNESS SHALL BE 6".
6. GUTTER PAN TO BE FLATTENED TO 5% IN FRONT OF RAMP.
7. CONCRETE SHALL BE 4000 PSI.
8. 6" O.G. COMPACTED TO 95% RELATIVE COMPACTION.
9. MEASUREMENT: RAMP INCLUDES LANDING AREA OUT TO EXPANSION JOINTS–SF, CURB & GUTTER–LF, SIDEWALK–SF

SECTION A–A

CORNER RAMP

SECTION B–B

MID–BLOCK RAMP

GROOVING DETAIL
NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CURRENT ADA GUIDELINES.
2. 12" WIDE BORDER WITH 1/4" DEPTH AND WIDTH GROOVES APPROX. 3/4" O.C.
   SEE GROOVING DETAIL ABOVE.
3. MEDIUM BROOM—FINISH WITHIN RAMP AREA.
4. DETECTABLE WARNING SURFACE REQUIRED FULL WIDTH & 3' DEPTH OF RAMP PER ST-17.
5. RAMP THICKNESS SHALL BE 6".
6. GUTTER PAN TO BE FLATTENED TO 5% IN FRONT OF RAMP.
7. CONCRETE SHALL BE 4000 PSI.
8. 6" O.C. COMPACTED TO 95% RELATIVE COMPACTION.
9. MEASUREMENT: RAMP INCLUDES LANDING AREA OUT TO EXPANSION JOINTS—SF,
    CURB & GUTTER—LF, SIDEWALK—SF

SECTION A-A

MODIFIED CURB RAMP
TWO-WAY CROSSING

CITY OF REEDLEY

ST-16
NOTES:

1) The detectable warning shall visually contrast per the 2013 California Building Code. The material used shall be an integral part of the walking surface. The color shall be yellow.

2) The domes may be constructed in a variety of methods, including cast-in-place or stamped or it may be part of a prefabricated surface treatment.

3) Only approved DSA/AC detectable warning products and directional surfaces shall be installed as provided in the California Code of Regulations (CCR), Title 24, Part 1, Articles 2, 3 and 4. Refer to CCR Title 24, Part 12, Chapter 12-11A and B for building facility access specifications for product approval for detectable warning products and directional surfaces.

4) Detectable warning products and detectable surfaces shall be evaluated by an independent entity, selected by the Department of General Services, Division of the State Architect—Access Compliance for all occupancies, including transportation and other outdoor environments. See Government Code Section 4460.

5) Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp.

NOT TO SCALE

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-17
PLAN

- WIDTHS ARE FOR DRIVEWAY THROAT OPENING.
- THROAT OPENING FOR 3 OR MORE CAR GARAGE REQUIRES APPROVAL FROM CITY ENGINEER.
- GUTTER WIDTH PER CONSTRUCTION PLANS OR ON-SITE CONDITIONS IF NOT 2'.

SECTION A-A

GENERAL NOTES:
1. MUST REMOVE ENTIRE CURB AND GUTTER WHEN RECONSTRUCTION IS REQUIRED.
2. NOT MORE THAN 60% OF LOT FRONTAGE MEASURED AT STREET SIDE (TOP OF CURB BETWEEN LOT LINES EXTENDED) MAY BE USED FOR DRIVEWAY OPENING.
3. ALL MULTIPLE RESIDENTIAL PROPERTIES TO HAVE ON-SITE REFUSE PICKUP SHALL INSTALL COMMERCIAL DRIVEWAY APPROACHES PER CITY OF REEDLEY STD. PLAN ST-21.
4. CONCRETE FOR DRIVEWAY APPROACH SHALL BE CLASS A, 4000 PSI, 6" THICK MIN.
5. COLD JOINT REQUIRED IN CENTER OF DRIVE APPROACH.
6. APPROACH, CURB AND GUTTER SUBGRADE COMPACTED TO 95% A MINIMUM OF 6".
7. GROOM SWEEP FINISH ON DRIVEWAY APPROACH.
8. CURB = END OF CURB RETURN.
9. MEASUREMENTS DRIVE APPROACH FROM BACK OF CURB TO BACK OF WALK, WING TO WING-SE, CURB & GUTTER-LF.

RESIDENTIAL DRIVEWAY APPROACH

REVISIONS:
SEPT. 2016

DRAWN BY: kip

CITY OF REEDLEY

ST-18
* WIDTHS ARE FOR DRIVEWAY THROAT OPENING. THROAT OPENING FOR 3 OR MORE CAR GARAGE REQUIRES APPROVAL FROM CITY ENGINEER.

3 FT. MIN. TO ALLEY PROPERTY LINE OR TO STREET APPURtenance

2% MAX.

COLD JOINT

GENERAL NOTES:
1. MUST REMOVE ENTIRE CURB AND GUTTER WHEN RECONSTRUCTION IS REQUIRED.
2. NOT MORE THAN 60% OF LOT FRONTAGE MEASURED AT STREET SIDE, (TOP OF CURB BETWEEN LOT LINES EXTENDED) MAY BE USED FOR DRIVEWAY OPENING.
3. ALL MULTIPLE RESIDENTIAL PROPERTIES TO HAVE ON-SITE REFUSE PICKUP SHALL INSTALL COMMERCIAL DRIVeway APPROACHES PER CITY OF REEDLEY STD. PLAN ST-21.
4. CONCRETE FOR DRIVEWAY APPROACH SHALL BE CLASS A, 4000 PSI 6" THICK MIN.
5. DEEP JOINT REQUIRED IN CENTER OF DRIVE APPROACH
6. APPROACH CURB AND GUTTER SUBGRADE COMPACTED TO 95% A MINIMUM OF 6".
7. BROOM SWEEP FINISH ON DRIVEWAY APPROACH.
8. E.C.R. = END OF CURB RETURN.
9. MEASUREMENT: DRIVE APPROACH FROM BACK OF CURB TO BACK OF WALK, WING TO WING-SF, CURB & GUTTER-LE.
PLAN

* SHALL BE ADJUSTED BASED ON THE HEIGHT OF THE MATCHING CURB FACE. RAMP NOT TO EXCEED 8.33% SLOPE (1 TO 12).

** IN LOCATIONS WHERE THERE IS A SLIDING GATE, TAPER RAMP FROM 5" WIDE TO 4" AT APPROACH.

LONGITUDINAL SECTION OF APPROACH

CROSS SECTION

MINIMAL ENCROACHMENT RESIDENTIAL DRIVE APPROACH

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-20
NOTES:
1. 95% RC (relative compaction) beneath driveway to depth of 6".
2. Concrete for driveway approach shall be Class "A" 4000 PSI 5" max. slump.
3. Not over 60% of frontage, measured at street side top of curb between lot lines extended shall be devoted to driveway approaches.
4. Minimum distance between driveways equals width of largest driveway.
5. Minimum distance to alley or non-street property shall be 3 ft & to end of curb return shall be 10 ft.
6. Reinforcing bars shall be deformed steel bars, grade 40 min. & be free from rust or dirt & shall be thoroughly cleaned before placement — shown below.
7. Maintain 6" clearance between all joints and ends of steel reinforcing.
8. All multi-family residential properties to have on-site refuse pickup shall install commercial driveway approaches per this city of Reedley Std. Plan.
9. Collector & arterial streets minimum width of throat shall be 21" for 1-way approach & 36" for 2-way approach.
NOTE: EXTENSION TO BE WRAPPED WITH A KRAFT TYPE PAPER TO ALLOW FOR MOVEMENT.

#4 REBARS TO EXTEND 12" BEYOND CONSTRUCTION JOINT.

#4 DIA. REBARS AT 36" O.C.

WEAKENED PLANE JOINT

GUTTER LINE TO EXTEND TO POINT OF INTERSECTION.

GUTTER

LANDING IN FRONT OF RAMP TO BE 5% MAX.

NO UP

FULL HEIGHT CURB

EXPANSION JOINT

FOR CURB RETURNS REFER TO:
ST-13
ST-14

*LENGTH MAY VARY, RAMP NOT TO EXCEED 8.3% SLOPE

PLAN

SECTION A-A

NOTES:
1. MUST REPLACE EX. CURB & GUTTER WHEN RECONSTRUCTION IS REQUIRED.
2. CONCRETE SHALL BE CLASS 'A' 4000 PSI, MAX. 5" SLUMP.
3. STEEL REINFORCEMENT TO BE FREE OF RUST & PLACED AS SHOWN.
4. AB & NATIVE SUBGRADE TO BE COMPACTED TO A MIN. OF 95%. COMPACTION TESTS REQUIRED.
5. BROOM FINISH.
6. DETECTABLE WARNING SURFACE REQUIRED FULL WIDTH & 3' DEPTH OF RAMP.

NOT TO SCALE

MAJOR COMMERCIAL DRIVE APPROACH

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-22

DRAWN BY: kjo
PLAN

SECTION AT BACK OF Approach

CROSS SECTION

NOTE:
Concrete for Alley Approach shall be Class 'A' 4000 psi over 6" Min. Class II AB, 95% Relative Compaction over 6" Min. Compacted Native Soil 95% Relative Compaction.
NOTE:
CONCRETE FOR ALLEY APPROACH SHALL BE CLASS "A" 4000 PSI OVER 6" MIN. CLASS II AB 95% RELATIVE COMPACTION.
OVER 6" MIN. NATIVE SOIL 95% RELATIVE COMPACTION.
O.C. = On Center

12' or 15' (See Plan)
18"-24" MATCH EXISTING

NOT TO SCALE

ALLEY APPROACH AREAS WITH PLANTING STRIPS
CITY OF REEDLEY
ST-24

REVISIONS:
SEPT. 2016

DRAWN BY: kjp
NOTES:
1. MUST REPLACE EX. CURB & GUTTER WHEN RECONSTRUCTION IS REQUIRED.
2. CONCRETE SHALL BE CLASS 'A' 4000 PSI, MAX. 5" SLUMP.
3. STEEL REINFORCEMENT TO BE FREE OF RUST & PLACED AS SHOWN.
4. AB & NATIVE SUBGRADE TO BE COMPACTED TO A MIN. OF 95%. COMPACTION TESTS REQUIRED.
5. LIGHT BROOM FINISH.
6. GUTTER FLOW LINE SHALL BE WATER TESTED FOR FLOW.

SECTION A-A

NOT TO SCALE

CONCRETE CROSS VALLEY GUTTER

REVISIONS: SEPT. 2016

CITY OF REEDLEY

ST-25

DRAWN BY: kjp
MEDIAN ISLAND CAP AND 18" WIDE MAINTENANCE BANDS SHALL BE 3" THICK STAMPED COLORED CONCRETE.

CAP TO 8" CURB FACE TO CURB FACE

EXPANSION JOINTS SHALL BE PLACED EVERY 40' MAX.

NOTES
STAMPED CONCRETE SHALL BE CLASS 'A' 4,000 PSI MIN. COLORED CONCRETE 'FRANCISCAN RED' STAMPED IN A BRICK PATTERN SIMILAR TO EXISTING MEDANS ON 1 STREET AND REINFORCED WITH #4 REBAR 12" O.C.

A LIQUID RELEASE AGENT SHALL BE USED. A CURB AND SEAL PRODUCT SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IMMEDIATELY AFTER COMPLETING THE IMPRINTING PROCESS.

CONC. MEDIAN CURB
SEE ST-10 FOR CURB DETAIL

3" THICK COLORED, STAMPED CONCRETE

8" COMPACTED NATIVE SOIL
90% RELATIVE COMPACATION

2" SAND BEDDING

NOT TO SCALE

STAMPED CONCRETE MEDIAN

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-26

DRAWN BY: kp
NOTES:
1. STREET STRUCTURAL SECTION SHALL CONFORM TO CITY OF REEDLEY STD. PLAN ST-1.
2. MAXIMUM RADIUS OF CURVATURE OF CENTERLINE SHALL BE 175 FEET.
3. MINIMUM STREET WIDTH (CURB-FACE TO CURB-FACE) SHALL BE 36 FEET.

NOT TO SCALE

STANDARD CUL-DE-SAC

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-27

DRAWN BY: kjp
NOTES:
1. 12 FT. RADIUS CURB RETURN WITH SIDEWALK,
2. STREET STRUCTURAL SECTION SHALL CONFORM TO CITY OF REEDLEY STD. PLANS ST-1.
3. MINIMUM STREET WIDTH (CURB-FACE TO CURB-FACE) SHALL BE 36 FT.
NOTES:
1. POST AND FLANGE FOR OM2-1H MARKER SHALL BE SCH. 80 PVC, 2-1/4" MIN, YELLOW REFLECTORS ON WHITE.
2. TYPE H MARKERS SHALL BE ONE WAY YELLOW RETROREFLECTIVE AND SHALL BE CEMENTED TO THE TOP Curb WITH A RAPID SET TYPE EPoxy ADHESIVE IN CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
3. POSTS FOR STREET SIGNS SHALL BE 12 GAUGE 2" X 2" SQUARE, GALVANIZED & PERFORATED. SEE DETAIL ON STD PLAN ST-44.

NOT TO SCALE
NOT TO SCALE

MAJOR STREET/LOCAL STREET

NOTES:
1. ADA CURB RAMPS REQUIRED.
2. VALLEY GUTTER PER CITY STD. ST-22.
3. 6 INCH HIGH CONCRETE CURB FOR LENGTH OF REQUIRED THROAT.
4. W=5'MIN, 10'MAX. FOR MAJOR STREET, 20'MAX, FOR LOCAL STREET.
5. 20'MIN. FOR ENTRANCE AND EXIT IF DRIVEWAY IS SOLE ACCESS.
6. ON DIVIDED MAJOR STREET, DESIGN ONE-WAY LEFT TURN POCKET PER CITY STD. ST-34, WHERE APPROVED BY CITY ENGINEER.
CASE 1: SHARED LANE

CASE 2: TAPER

CASE 3: RIGHT TURN POCKET

NOTES:
CASE 2: NOT ALLOWED WHEN AT A SIGNALIZED INTERSECTION.
CASE 3: **EXCEPTIONS NEED TO BE APPROVED BY CITY ENGINEER.
NOTES:
1. RIGHT TURN POCKET LENGTH IS DEPENDENT ON DRIVE APPROACH LOCATIONS. REQUIRED LENGTH SHALL BE DETERMINED BY CITY ENGINEER.

2. WHEN INSTALLING A NEW SIGNAL, BIKE LANE LOOPS SHALL BE INSTALLED AT INTERSECTION FOR DETECTION.

3. STRIPING AND LANE CONFIGURATION TO BE DETERMINED BY CITY ENGINEER.
NOTE:
PEDESTRIAN EASEMENTS MAY BE REQUIRED AT DRIVE APPROACHES WITH 50' OR 60' STREET W/MONOLITHIC SIDEWALK

NOTES:
1. GREATER RIGHT-OF-WAY MAY BE APPROVED IN SUCH CASE AS FOR A SIDEWALK W/PARKSTRIP OR FOR A MEANDERING SIDEWALK.
2. THE MEDIAN ISLAND SHALL EXTEND FROM THE MAJOR STREET UNTIL THE CLOSEST SIDE OF THE FIRST DRIVEWAY.
3. A 20' MINIMUM SETBACK FROM BACK OF SIDEWALK TO GARAGE WHEN THE GARAGE DOOR FRONTS ON THE STREET SHALL BE REQUIRED. THE ACTUAL SETBACK SHALL NOT BE LESS THAN REQUIRED BY THE ZONING ORDINANCE.

RESIDENTIAL
ENTRY TREATMENT

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-35
NOTES:

1. SIGNING, STRIPING & TRAFFIC CIRCLE LANDSCAPING SHALL BE REVIEWED BY CITY ENGINEER.

2. VALLEY CUTTER LOCATION IF NEEDED, SEE STD. ST-25.

3. INSTALL TYPE 'H', YELLOW RETRO-REFLECTIVE, RAISED PAVEMENT MARKERS ON CURB (4 TOTAL).

4. INSTALL TYPE 'D', YELLOW RETRO-REFLECTIVE, RAISED PAVEMENT MARKERS ON APRON NEXT TO 8" CURB (4 TOTAL).

SECTION A-A

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-36
NOTES:
1. SIGNS R26(5)CA "NO STOPPING AT ANY TIME" SHALL INSTALLED AT 200 FOOT INTERVALS. (OR AT INTERVALS DETERMINED BY EXISTING STREETLIGHT POLES) WHEN STRIPING A CASE II BIKE LANE.
1. Concrete channel to have weakened plane joints at 20' O.C. and expansion joints at 40' O.C.
2. Surface drainage to alley only by written approval of the city engineer.
3. Surface drainage over driveways and sidewalks is not permitted when the area to be drained exceeds 1/4 acre (10,000 sf).
MINIMUM SLOPE FOR AC PAVING SHALL BE 0.005, MINIMUM SLOPE FOR CONCRETE CHANNELS IN PARKING AREA SHALL BE 0.0015. SEE ST-38 & ST-40 FOR LOT DRAINAGE DETAILS.

PLAN VIEW

PARKING LOTS

INDUSTRIAL PARKING LOTS

AND LOADING ZONES

NOTES:
1. SUBURBAN DRAINAGE SHALL BE TO STREET ONLY BY WRITTEN APPROVAL OF THE CITY ENGINEER.
2. PARKING BUMPERS TO BE PLACED SO THAT PARKED CARS WILL NOT OVERHANG ON SIDEWALKS OR STREETS.
3. THE OPTIONAL CROSS-SECTION MAY BE USED UPON SUBMISSION OF "R" VALUE TESTS TAKEN BY AN APPROVED LABORATORY SUBSTANTIATING THE USE OF EXISTING SOIL FOR THE BASE. A MINIMUM VALUE OF 65 WILL BE REQUIRED.
4. WHERE ASPHALT CONCRETE IS APPLIED TO THE NATIVE SOIL, SOIL STABILIZANT AS PER MANUFACTURER'S SPECIFICATIONS WILL BE REQUIRED BEFORE THE SURFACE MATERIAL IS PLACED.
5. ASPHALT CONCRETE TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
6. SURFACE DRAINAGE TO ALLEY ONLY BY WRITTEN APPROVAL OF THE CITY ENGINEER.
7. TEMPORARY PARKING LOTS (USE NOT TO EXCEED 60 DAYS) SHALL BE GRADED AND ROLL ED SMOOTH. THE TOP 6" OF NATIVE SOIL SHALL BE COMPACTED TO 85% RELATIVE COMPACTATION USING TEST METHOD ASTM 1557. A DUST PELLAMIC PER STATE STANDARD SPECIFICATIONS AT THE RATE OF 0.1 GAL./SQ. YD. TO OBTAIN A MINIMUM PENETRATION OF 1." THE MIXING RATIO SHALL BE 4:1 PER STATE STANDARD SPECIFICATIONS. THE DEVELOPER SHALL POST A BOND TO GUARANTEE REMOVAL OF ALL IMPROVEMENTS FOR A TEMPORARY PARKING LOT.

NOT TO SCALE.

PARKING LOT

PAVING DETAILS

REVISIONS:

SEPT. 2016

DRAWN BY: kjp

CITY OF REEDLEY

ST-39
**SIDEWALK TROUGH DRAIN**

**NOTES:**

1. **SIDEWALK DRAIN PIPE** ONLY TO BE USED WITH THE APPROVAL OF THE CITY ENGINEER.

2. **REMOVE AND REPLACE CONCRETE CURB AND GUTTER** WITHIN LIMITS OF WORK WHERE CONCRETE CURB & GUTTER EXIST, PER ST-8 & ST-11 CONCRETE COLD JOINTS.

3. **3" PIPE SHALL BE GALVANIZED PIPE, RECTANGULAR TUBING SHALL BE STEEL. PVC NOT ALLOWED WITHIN CITY R/W.**

4. **MINIMUM WALL THICKNESS OF RECTANGULAR TUBING IS 3/16".**

5. **NO DRAIN SHALL BE PERMITTED IN DRIVE APPROACH AREAS.**

6. **SIDEWALK DRAINS, EXCEPT CHANNELS, SHALL BE ANGLED IN DIRECTION OF GUTTER FLOW AT 1:15 ANGLE.**

7. **ALL CONCRETE SHALL BE CLASS 'A' AND EXPOSED SURFACES SHALL BE FINISHED AS PER CURB SPECIFICATIONS.**

8. **DRAIN SLOPES SHALL BE 0.010 MIN. AND 0.020 MAX.**

9. **FLOOR OF TROUGH SHALL BE GIVEN A STEEL TROWEL FINISH. ALL PARTS SHALL BE STRUCTURAL GRADE STEEL AND ALL EXPOSED METAL SHALL BE PAINTED OR DIPPED W/ASPHALTUM PAINT.**

---

**AREAS TO BE DRAINED FROM PRIVATE PROPERTY TO PUBLIC STREETS**

<table>
<thead>
<tr>
<th>SURFACE AREA</th>
<th>TYPE OF SURFACE</th>
<th>DRAIN AREA REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 ACRES</td>
<td>PAVED</td>
<td>100 SQ. IN.</td>
</tr>
<tr>
<td>0.5 ACRES</td>
<td>PAVED</td>
<td>20 SQ. IN.</td>
</tr>
<tr>
<td>0.25 ACRES</td>
<td>PAVED</td>
<td>16 SQ. IN.</td>
</tr>
<tr>
<td>1 ACRE</td>
<td>PAVED</td>
<td>50 SQ. IN.</td>
</tr>
<tr>
<td>0.75 ACRES</td>
<td>PAVED</td>
<td>40 SQ. IN.</td>
</tr>
<tr>
<td>0.50 ACRES</td>
<td>PAVED</td>
<td>36 SQ. IN.</td>
</tr>
<tr>
<td>1.5 ACRES</td>
<td>PAVED</td>
<td>75 SQ. IN.</td>
</tr>
<tr>
<td>100'x200'</td>
<td>PAVED</td>
<td>6 SQ. IN.</td>
</tr>
<tr>
<td>200'x200'</td>
<td>PAVED</td>
<td>25 SQ. IN.</td>
</tr>
<tr>
<td>200'x400'</td>
<td>PAVED</td>
<td>10 SQ. IN.</td>
</tr>
<tr>
<td>100'x100'</td>
<td>PAVED</td>
<td>3 SQ. IN.</td>
</tr>
</tbody>
</table>

**USE 1 ACRE = 200'x200' OR 100'x400'**

**AREA 3" DIAM. PIPE = 7.1 SQ. IN. (ROOF DRAIN)**

**AREA 3"x5" RECT. TUBE = 12.3 SQ. IN.**

**AREA 3"x6" RECT. TUBE = 14.9 SQ. IN.**

**AREA 3"x12" CHANNEL = 36 SQ. IN.**

**AREA 4"x14" CHANNEL = 56 SQ. IN.**

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**SIDEWALK DRAINS**

**REVISIONS:**

**SEPT. 2016**

**DRAWN BY:** kjp

**CITY OF REEDLEY**

**ST-40**
NOT TO SCALE

SURVEY MONUMENT DETAILS

NOTES:
1. IN CONFORMANCE WITH SECTION 8772 OF THE "LAND SURVEYORS ACT", ALL CORNERS SHALL BE TAGGED WITH THE SURVEYOR'S NUMBER; EACH NUMBER SHALL BE PRECEDED BY THE LETTERS "PLT" OR "PT" RESPECTIVELY.
2. ALL SUBDIVISION BOUNDARY CORNERS, ANGLE POINTS, AND CURVE POINTS SHALL BE MONUMENTED WITH THE SUBDIVISION CORNER MONUMENT.
3. ALL BLOCK CORNERS, ANGLE POINTS AND CURVE POINTS INTERIOR TO THE TRACT SHALL BE MONUMENTED WITH THE BLOCK CORNER MONUMENT.
4. ALL LOT CORNERS NOT MARKED BY SUBDIVISION OR BLOCK CORNER MONUMENTS SHALL BE MONUMENTED WITH THE LOT CORNER MONUMENT.
5. ALL INTERSECTIONS OF INTERIOR STREET CENTERLINES W/ EXTERIOR ORBOUNDARY STREET CENTERLINES SHALL BE MONUMENTED WITH CENTERLINE MONUMENTS SET ON THE INTERIOR STREET CENTERLINE 10 FT. OFF THE EXTERIOR STREET CENTERLINE.
6. WITH PERMISSION OF THE CITY ENGINEER, PIPE FOR LOT CORNER MONUMENTS MAY BE SHORTENED TO 15" IN LENGTH IN AREAS WITH HARDPan.
7. CONCRETE FOR MONUMENTS SHALL BE CLASS 'C' (2800 PSI) CONCRETE.
8. ADDITIONAL MONUMENTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY ENGINEER.

CITY OF REEDLEY

ST-41
NOT TO SCALE

SURVEY MONUMENT DETAILS

NOTES:
1. LOCATE BENCHMARKS AT THE CORNER OF INTERSECTIONS
   APPROVED BY THE CITY ENGINEER.
2. COMPLETE NOTES SHOWING LOCATIONS, ELEVATIONS AND
   CLOSURES SHALL BE FILED WITH THE CITY SURVEYOR.
3. ELEVATIONS SHALL BE BASED ON CITY OF REEDLEY
   DATUM, NAVDB.
4. BENCHMARK NUMBER SHALL BE STAMPED WITH DIES
   ON TOP.

REVISIONS:
SEPT. 2016

CITY OF REEDLEY
ST-42
NOT TO SCALE

STREET SIGN LOCATION

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-43

NOTES:
1. CORNER FOR INSTALLATION SHALL BE AS DESIGNATED BY THE CITY ENGINEER.
2. SAWCUT REQUIRED IF SIGN INSTALLED AFTER SIDEWALK IS Poured.
3. WHEN INSTALLED IN SIDEWALK, POLES WILL BE SET PRIOR TO SIDEWALK POUR.
4. SAME PIPE FOR STOP SIGN AND STREET NAME SIGN MAY BE UTILIZED WHERE APPROVED.

SEE STO, QWG, ST-44
ST-45

LOCATION AT INTERSECTION

LOCATION IN 5 FT. MONOLITHIC SIDEWALK

LOCATION IN FULL WIDTH SIDEWALK

LOCATION IN PLANTING STRIP
NOTES:
2. ALL SIGN LOCATION SHALL BE DETERMINED BY THE CITY ENGINEER. FORM & EDGE 12" X 12" CONCRETE APRON 4" THICK WHEN INSTALLED IN PARKSTRIP OR DIRT LOCATIONS.
3. REGULATORY AND WARNING SIGNS SHALL BE PROVIDED AND INSTALLED COMPLETE AND IN PLACE AS REQUIRED BY THE CITY ENGINEER.
4. STREET NAME SIGN MAY BE PLACED ON A REGULATORY SIGN POST ONLY WHERE APPROVED IN ADVANCE BY THE CITY ENGINEER.
5. REGULATORY SIGN MAY BE PLACED ON A WARNING SIGN POST ONLY WHERE APPROVED IN ADVANCE BY THE CITY ENGINEER.
6. A 36-INCH SIZE STOP SIGN MAY BE REQUIRED IN SPECIAL SITUATIONS AS DETERMINED BY THE CITY ENGINEER.
7. ALL STEEL POST AND MOUNTING BRACKETS AND HARDWARE SHALL BE GALVANIZED AS SPECIFIED IN THIS PLAN AND IN ACCORDANCE WITH SECTION 75-10.5 OF THE CALTRANS SPECIFICATIONS.
8. REFER TO THE CITY OF REEDLEY STANDARD PLAN ST-43.
9. ALL TRAFFIC SIGNS SHALL BE 0.08 INCH THICK ALUMINUM; FACE SHALL HAVE A 3M #4090 DG3 REFLECTIVE SHEETING WITH AN APPLIED 3M #1160 OR EQUAL GRAFFITI FILM.
LEGEND FOR NAME PLATE

NOTES FOR 6" STREET NAME SIGNS:
1. STREET NAMES SHALL BE 4 INCH UPPER CASE, FOLLOWED BY 3 INCH LOWERCASE.
   FHWA SERIES C2000 EXCEPT ALL OTHER LETTERING SHALL BE 2 INCH FHWA SERIES B2000 EX.
2. STREET NAME AND ADDRESS 1 INCH SPACE FROM EACH END.
3. STREET NAME 3 INCH SPACE FROM TOP AND BOTTOM.
4. STREET ADDRESS AND STREET SUFFIX 3/4" SPACE TOP AND BOTTOM.
5. LETTERING SHALL BE WHITE REFLECTIVE (3M 4000)
   BACKGROUND SHALL BE ELECTRO CUTTABLE (3M 1177C) WITH 1/2 INCH CORNER ROUNCING

STREET SIGN HARDWARE TABLE

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>BLADE HARDWARE STYLE</th>
<th>BLADE LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZUMAR MANUFACTURING</td>
<td>800FS0X 812FS0X</td>
<td>24&quot;, 30&quot;, 36&quot;, or 42&quot;</td>
</tr>
</tbody>
</table>

DOUBLE FACED STREET NAME SIGN HOLDER ASSEMBLY

NOTE:
1. ALL STEEL BRACKETS AND HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 75-1.05
   OF THE CALTRANS SPECIFICATIONS.
LEGEND FOR NAME PLATE

NOTES FOR 9" STREET NAME SIGNS:
1. STREET NAMES SHALL BE 6 INCH UPPER CASE, FOLLOWED BY 4.5 INCH LOWERCASE FWMA SERIES C2000EX, ALL OTHER LETTERING SHALL BE 3 INCH FWMA SERIES D2000EX.
2. STREET NAME AND ADDRESS 1 INCH SPACE FROM EACH END, STREET NAME 1.5 INCH SPACE TOP AND BOTTOM.
3. STREET ADDRESS AND STREET SUFFIX 1" SPACE TOP AND BOTTOM.
4. LETTERING SHALL BE WHITE REFLECTIVE (3M 4090)
   BACKGROUND SHALL BE ELECTRO CUTTABLE (3M 1177C) WITH 1/2 INCH CORNER ROUNGING

LEGEND FOR NAME PLATE

NOTES FOR 12" STREET NAME SIGNS:
1. STREET NAMES SHALL BE 8 INCH UPPER CASE, FOLLOWED BY 6 INCH LOWERCASE FWMA SERIES C2000EX, ALL OTHER LETTERING SHALL BE 4 INCH FWMA SERIES D2000EX.
2. STREET NAME AND ADDRESS 1 INCH SPACE FROM INSIDE BORDER EDGE.
   STREET NAME VERTICALLY CENTERED.
3. STREET ADDRESS AND STREET SUFFIX OFFSET 1-3/4 INCH TOP AND BOTTOM.
4. LETTERING SHALL BE WHITE REFLECTIVE (3M 4090)
   BACKGROUND SHALL BE ELECTRO CUTTABLE (3M 1177C) WITH 3/4 INCH CORNER ROUNGING

LEGEND FOR NAME PLATE

NOTES FOR 21" STREET NAME SIGNS:
1. STREET NAMES SHALL BE 12 INCH UPPER CASE, FOLLOWED BY 9 INCH LOWERCASE FWMA SERIES C2000EX, ALL OTHER LETTERING SHALL BE 6 INCH FWMA SERIES D2000EX.
2. STREET NAME AND ADDRESS 2 INCH SPACE FROM INSIDE BORDER EDGE.
   STREET NAME VERTICALLY CENTERED.
3. STREET ADDRESS AND STREET SUFFIX OFFSET 1 INCH TOP AND BOTTOM.
4. LETTERING SHALL BE WHITE REFLECTIVE (3M 4090)
   BACKGROUND SHALL BE ELECTRO CUTTABLE (3M 1177C) WITH 1 INCH CORNER ROUNGING

NOT TO SCALE

STREET NAME SIGNS 9", 12" & 21"

REVISIONS:
SEPT. 2016

DRAWN BY: kjp

CITY OF REEDLEY
ST-45A
NOTES:
1. AC SHALL BE 7" THICK FOR MAJOR ARTERIALS, ARTERIALS AND COLLECTORS. AC SHALL BE 5" THICK FOR LOCAL STREETS.
2. TWO INCH (2") MINIMUM THICKNESS OF TEMPORARY RESURFACING AS SHOWN ON SECTION "C", SHALL BE INSTALLED IMMEDIATELY ON BACKFILLED TRENCHES IN ALL STREETS.
3. NO TRAFFIC SHALL BE ALLOWED TO CROSS OVER BACKFILLED TRENCHES IN THE ROADWAY PRIOR TO PLACEMENT OF TEMPORARY ASPHALT SURFACING AS SHOWN IN SECTION "C".
4. CALIFORNIA TEST METHOD NO. 216 SHALL BE USED TO DETERMINE ALL PERCENTAGES OF RELATIVE COMPACTION.
5. AC = ASPHALT CONCRETE
6. THE PAVEMENT SECTIONS SHOWN ABOVE ARE MINIMUM ONLY. IF THE EXISTING STRUCTURAL SECTION IS GREATER, IT SHALL BE MATCHED UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
7. CUT BACK OR COLD MIX TO BE REMOVED PRIOR TO FINAL PAVING. REFER TO SEC. 12-6F, SEC. 15-3 OF THE CITY OF REEDLEY STANDARD SPECIFICATIONS.
8. A TACK COAT SHALL BE APPLIED TO THE ASPHALT CONCRETE Vertical EDGE OF TRENCH WALL PRIOR TO PLACEMENT OF FINAL ASPHALT SURFACING.
9. ALL CUTS IN EXISTING PAVEMENT THAT IS LESS THAN 8 YEARS OLD OR AS DIRECTED BY THE CITY ENGINEER SHALL BE REQUIRED TO HAVE SEALANT JOINTS WITH THE EXISTING PAVEMENT BY USING A HEATER/REMOVEX PROCESS.
10. MANHOLE & WATER VALVE RAISING ASSOCIATED WITH NEW STREET CONSTRUCTION IS NOT REQUIRED TO FOLLOW NOTE No. 9.
11. STREET CUTS SHALL BE MADE PARALLEL OR AT RIGHT ANGLES TO THE CENTERLINE OF THE STREET.
12. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE CURRENT EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS".

NOT TO SCALE

TRENCH BACKFILL AND SURFACE REPLACEMENT

REVISIONS:
OCT. 2017

CITY OF REEDLEY

ST-46

DRAWN BY: kip
NOTES

1. TRENCH WALL SHOWN VERTICAL FOR CLARITY, EXCAVATE PER OSHA REQUIREMENTS.

2. USE THE SAME DETAIL FOR SERVICE LATERALS, REDUCE THICKNESS OF STREET ZONE AS REQUIRED TO HOLD OTHER DIMENSIONS AS SHOWN.

TRENCH DETAIL FOR COVER LESS THAN 48”
NOTES:
1. PIPE CONCRETE BACKFILL SHALL BE REQUIRED FOR ALL PIPE INSTALLED WITH LESS THAN 30" OF COVER OR AS DIRECTED BY THE CITY ENGINEER.
2. ALL CONCRETE BACKFILL SHALL BE 1200 PSI CONCRETE.
3. CONCRETE BACKFILL SHALL BE PLACED IN THE TRENCH AGAINST UNDISTURBED SOIL AND SHALL BE PLACED IN A MANNER THAT WILL PREVENT FLOATING OR SHIFTING OF THE PIPE.
4. FOREIGN MATERIAL WHICH FALLS INTO THE TRENCH DURING PLACEMENT OF THE CONCRETE SHALL BE IMMEDIATELY REMOVED.
5. NO MATERIAL SHALL BE PLACED ON TOP OF THE CONCRETE BACKFILL UNTIL 8 HOURS AFTER PLACING THE CONCRETE BACKFILL.
TYPE 'A' PLATING
CITY POSTED SPEEDS OF
GREATER THAN 25 MPH
OR BUS & TRUCK ROUTE

TYPE 'B' PLATING
CITY POSTED SPEEDS OF
25 MPH AND UNDER

NOTES
1. THE CONTRACTOR SHALL PROVIDE ADEQUATE OVERLAP OF PLATE ON ASPHALT
   TO ASSURE NO SLIPPAGE OF PLATE AND NO COLLAPSING OF TRENCH.
2. "POSTED SPEED" DOES NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING.

TRENCH PLATE DETAILS

REVISIONS:
SEPT. 2016.

DRAWN BY: kjp

CITY OF REEDLEY
ST-49
TRASH BIN ENCLOSURE

NOT TO SCALE

1. AT TIME OF LAYING, ALL MASONRY UNITS SHALL BE FREE OF EXCESSIVE DUST AND DIRT.
2. ALL CELLS WITH REINFORCEMENT SHALL BE FILLED WITH GROUT.
3. ALL REINFORCEMENT SHALL BE PLACED PRIOR TO GROUTING.
4. ALL CONSTRUCTION SHALL CONFORM TO U.B.C. SECTION 2415.
5. TOP LAYER OF CONCRETE BLOCK FULLBEDDED WITH MORTAR.
6. CONCRETE SURFACING ON APPROACH TO OPEN SIDE AS A MINIMUM, PLACE TO TOP OF SLAB, SEE ST-53.
7. ENCLOSURE DOORS SHALL BE INSTALLED AS REQUIRED: RESIDENTIAL OR APTS. -- STEEL DOORS COMMERCIAL -- CHAIN LINK W/ WOOD SLATS IS ALLOWABLE
8. 3 BIN ENCLOSURE REQUIRES AN ADDITIONAL GATE.

NOTE:

REVISIONS:
SEPT. 2016

DRAWN BY: kjp

CITY OF REEDLEY
ST-50
GATE POST DETAIL

NOTES
1. GATES TO BE PAINTED TO MATCH BUILDING ACCENT FEATURES.
2. DESIGN, ENGINEERING AND CONSTRUCTION NOT SPECIFICALLY NOTED SHALL BE IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS & OF FIRST QUALITY.

CANE BOLT DETAIL

SEE GATE POST DETAIL
TUBULAR STEEL FRAME

2" ANGLE IRON OR TUBULAR STEEL FRAME

1" MAXIMUM GAP
HEAVY DUTY LOCKABLE HARDWARE

72" 54"
20 GAUGE CORRUGATED METAL

3 HINGES REQUIRED
SEE CANE BOLT DETAIL

NOT TO SCALE

TRASH BIN ENCLOSURE
GATE DETAILS

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-51
LOCKABLE HARDWARE DETAIL

DOOR POST DETAIL

TRASH BIN ENCLOSURE
DOOR DETAILS

NOT TO SCALE

REVISIONS:
SEP. 2016

CITY OF REEDLEY

ST-52

DRAWN BY: kjp
NOT TO SCALE

TRASH BIN ENCLOSURE
CONCRETE APRON DETAILS

NOTES:
1. ALL CONCRETE SHALL BE CLASS A, 6 SACK.
2. REBAR SHALL BE DEFORMED STEEL BARS AND SHALL BE GRADE 40 MIN. REBAR SHALL BE FREE OF RUST OR DIRT AND SHALL BE THOROUGHLY CLEANED BEFORE PLACEMENT.
3. REBAR SHALL HAVE A MINIMUM OF 2" OF CLEAR COVERAGE.
4. ALL TRASH BIN ENCLOSURES SHALL HAVE A CONCRETE APRON. ANY EXCEPTIONS REQUIRE APPROVAL BY CITY ENGINEER.
5. CONCRETE PAD SHALL BE PLACED ON MOIST AND COMPACTED BASE MATERIALS. 95% R.C.
6. STEEL PIPE LOCATION IN CONCRETE PAD SHALL BE DETERMINED BY CANE BOLT LOCATION ON GATE. SEE TRASH BIN ENCLOSURE GATE DETAILS.

SECTION A-A

SECTION B-B

CITY OF REEDLEY
ST-53
CHAIN LINK FENCE

CORNER POST

LINE POST

TYPICAL MEMBER DIMENSIONS

<table>
<thead>
<tr>
<th>FENCE HEIGHT</th>
<th>ROUND (O.D.)</th>
<th>LINE POSTS</th>
<th>END, LATCH and CORNER POST</th>
<th>BRACES</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 FT. &amp; LESS</td>
<td>1 1/2&quot;</td>
<td>1 7/8&quot;x1 5/8&quot;</td>
<td>1 3/4&quot;x1 3/4&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td></td>
<td>2&quot;</td>
<td>3 1/2&quot;x3 1/2&quot;</td>
<td>2&quot;x1 3/4&quot;</td>
<td>1 1/2&quot;x1 1/2&quot;</td>
</tr>
<tr>
<td>OVER 6 FT.</td>
<td>2&quot;</td>
<td>2 1/4&quot;x2&quot;</td>
<td>2&quot;x1 3/4&quot;</td>
<td>1 1/2&quot;x1 1/2&quot;</td>
</tr>
</tbody>
</table>

GATE POST DIMENSIONS (SEE STD. PLAN ST-17)

<table>
<thead>
<tr>
<th>FENCE HEIGHT</th>
<th>GATE WIDTHS</th>
<th>NOMINAL I.D.</th>
<th>WEIGHT PER FOOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; &amp; LESS</td>
<td>2 1/2&quot;</td>
<td>4.35</td>
<td></td>
</tr>
<tr>
<td>OVER 6&quot; TO 12&quot; FT.</td>
<td>4&quot;</td>
<td>10.79</td>
<td></td>
</tr>
<tr>
<td>OVER 12&quot; FT. TO 18&quot; FT.</td>
<td>5&quot;</td>
<td>14.62</td>
<td></td>
</tr>
<tr>
<td>OVER 18&quot; FT. TO 24&quot; FT. MAX.</td>
<td>6&quot;</td>
<td>19.97</td>
<td></td>
</tr>
<tr>
<td>OVER 6&quot; &amp; LESS</td>
<td>3&quot;</td>
<td>7.56</td>
<td></td>
</tr>
<tr>
<td>OVER 6&quot; TO 12&quot; FT.</td>
<td>5&quot;</td>
<td>14.62</td>
<td></td>
</tr>
<tr>
<td>OVER 12&quot; FT. TO 18&quot; FT.</td>
<td>6&quot;</td>
<td>18.57</td>
<td></td>
</tr>
<tr>
<td>OVER 18&quot; FT. TO 24&quot; FT. MAX.</td>
<td>8&quot;</td>
<td>28.55</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: ABOVE POST DIMENSIONS AND WEIGHTS ARE MINIMUMS. LARGER SIZES MAY BE USED ON APPROVAL OF THE CITY ENGINEER.
DOUBLE DRIVE GATE

FOR POST DETAILS SEE STD. PLAN ST-54

4 FT. PERSONAL GATE

NOTES:
1. TUBULAR POST SHALL BE FITTED WITH RAIN PROOF TOPS.
2. GATE FRAME SHALL BE CONSTRUCTED OF NOT LESS THAN 1 1/2 IN. PIPE AND VERT. STAY MEMBERS SHALL BE CONSTRUCTED OF NOT LESS THAN 1 IN. PIPE.
INTERIOR LOTS
WITH GRADE DIFFERENCES
LESS THAN ONE FOOT

PROPERTY LINE

DRAINAGE

90% MINIMUM COMPACTION

SLOPE

2 TO 1

90% MINIMUM COMPACTION

INTERIOR LOTS
WITH GRADE DIFFERENCES
GREATER THAN ONE FOOT

PROPERTY LINE

DRAINAGE

90% MINIMUM COMPACTION

RETAINING WALL SHALL BE MASONRY OR CONC.
DESIGNED BY A CIVIL ENGINEER.

EXTERIOR LOTS
WITH GRADE DIFFERENCES

PROPERTY LINE

DRAINAGE

90% MINIMUM COMPACTION

90% MINIMUM COMPACTION

RETAINING WALL SHALL BE MASONRY OR CONC.
DESIGNED BY A CIVIL ENGINEER.

ALTERNATE METHOD – ELIMINATE RETAINING WALL
AND GRADE AS SHOWN, WRITTEN PERMISSION FROM
ADJACENT PROPERTY OWNER MUST BE SUBMITTED
TO THE CITY ENGINEER FOR APPROVAL.

NOT TO SCALE

LOT LINE GRADING STANDARD

REVISED:
SEPT. 2016

CITY OF REEDLEY

ST-56

DRAWN BY: kp
NOTES:

1. A MINIMUM OF 2% SLOPE FOR A MINIMUM OF 5 FEET FOR DRAINAGE AWAY FROM BUILDING EXCEPT SIDEYARD SLOPE MAY BE 2.5 FEET AT 10% MINIMUM SLOPE AWAY FROM BUILDING.

2. NO WATER SHALL DRAIN TO ADJACENT PROPERTY. ALL LOT DRAINAGE SHALL BE TO CITY STREET.

3. ALL GRADING SHALL COMPLY TO SECTION 7014-C OF THE 1991 UNIFORM BUILDING CODE.

4. COMPACTION REPORTS SHALL BE PREPARED BY AN APPROVED TESTING AGENCY UPON COMPLETION OF GRADING.

5. THE OVERALL BUILDING SITE SHALL HAVE A MINIMUM SLOPE OF 0.5% IN ALL AREAS TO AN APPROVED DRAINAGE FACILITY OR PUBIC STREET.

6. BUILDING SHALL HAVE THE FOUNDATION WALL OR CONCRETE FLOOR SLAB CONSTRUCTED AT LEAST TWELVE INCHES (12") ABOVE THE CROWN OF THE ADJOINING STREET OR 12" ABOVE THE HIGHEST POINT OF TOP OF CURB ALONG THE PROPOSED SITE.

NOT TO SCALE

TYPICAL LOT DRAINAGE RESIDENTIAL

REVISIONS:
SEPT. 2016

DRAWN BY: kjp

CITY OF REEDLEY

ST-57
NOTES:
1. In the case of a corner lot, the front of the lot shall be as defined as:
the line, separating the narrowest street frontage of the lot from the streets.
2. PUE = Public Utility Easement
3. Fences, walls and hedges shall be permitted by city ordinance 10-59-6 and as follows:
   a) Along side and rear property lines and along any portion of the street side yard of a corner lot, not exceeding seven feet (7') in height.
   b) Fences or walls not exceeding three feet (3') in height may be erected within any portion of the required front yard. A fence or wall, not exceeding seven feet (7') in height may be erected in the front yard, provided that it is set back a minimum of ten feet (10') from the front property line, provided that the fence shall be a maximum of twenty feet (20') from the exterior line of the curb.
   c) Open fences not exceeding seven feet (7') in height, and hedges, may be located within any required yard, or along any side lot line, except as limited by the note 3c) below.
   d) No fence, wall or hedge exceeding three feet (3') in height may be located within an area of a corner lot on the street side of a diagonal line connecting points located thirty feet (30') along the property line as measured from the intersection of the property lines at the street corner.

TYPICAL RESIDENTIAL LOT
FENCE LOCATION & SETBACKS

REVISIONS:
SEPT. 2016

CITY OF REEDLEY
ST-58
DECORATIVE BOLLARDS MAY BE USED IN PLACE OF GUARD POSTS. SEE STD. PLAN ST-60

Curb & Gutter
Sidewalk
Removable Guard Post

Driveway Restricted Access

Trail/Street Crossing

End Cap (Concrete)

Reflective Tape (3" Wide)

4" Galv. Steel Post Standard Schedule No. 40, (Concrete Fill)

Paint Safety Yellow

Concrete

48" Min. - 72" Max.

32" Min.

12" Dia.

3" Min.

Cut From 1/2" x 6" Eye Bolt

5" Galv. Steel Sleeve, Sch. 40

Concrete


Reflective Tape (3" Wide)

Paint Safety Yellow

Eye Bolt 1/2" x 6" Steel Galv. (To Be Installed Perpendicular Post)

Weld (Typ)

NOT TO SCALE

Steel Guard Post Detail

Revisions:
Sept. 2016

City of Reedley

ST-59

Drawn By: kjp
Quick Release
Decorative Bollard

Access door with stainless steel Allen head screws

10" Dia. base

Key

Lock to be provided by city

3.5± ft long cable

3" Dia. shaft

Make sure slot is clear of concrete and all other debris

Cut key slot in tube 1/8" wider than key

Top of 3-1/2" dia. tube should be even with grade

Asphalt surfacing

Aggregate base

Glass "B"
PC concrete

Weld U-shaped 1/4" dia. rod to anchor plate

1/4" x 2" x 12" anchor plate centered over tube opening

Pea gravel
SECTION A-A

SECTION B-B

INSTALLATION DETAILS

1. Two humps 24 ft. apart center to center shall be constructed at given locations unless otherwise noted.
2. Humps shall not be placed over existing road service covers, drain inlets, etc.
3. Whenever possible, edge of humps shall be 5 ft. minimum from edge of driveway.
4. Whenever possible, hump's shall be placed at property lines.
5. Whenever possible, humps shall be placed adjacent to street lights.
6. Parking shall be prohibited as directed by the city engineer.
7. All striping shall be white, or yellow at locations within 500 ft. of a school.

NOTE:

The location, funding and approval for installation of speed bumps shall be by resolution of the city council after review by the traffic safety commission. Speed bumps must meet the City of Reedley speed bump policy warrant requirements.

STANDARD SPEED BUMP

ST-61

CITY OF REEDLEY

REVISIONS:
SEPT. 2016

DRAWN BY: kjp
NOTES:
1. THE MAILBOX LOCATION IS THE SAME WHEN INSTALLED IN SIDEWALK OR IN PARKSTRIP.
2. EXISTING MAILBOXES SHALL BE SALVAGED AND ATTACHED TO MAILBOX SUPPORT PER MANUFACTURER'S SPECIFICATIONS USING HARDWARE PROVIDED WITH POST.
3. MODEL #4895 STANDARD POST IN-GROUND MOUNTED. SALSBURY INDUSTRIES OR EQUAL, FOR SINGLE MAILBOX, #4882 FOR DOUBLE AND #4883 FOR TRIPLE, COLOR SHALL BE BLACK.
4. MAILBOXES SHALL BE IN COLLECTIONS OF 2 OR 3 WHERE POSSIBLE, LOCATED AT THE PROPERTY LINE AT THE BACK OF CURB.
5. HOMEOWNERS SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND REPAIR.
6. VERTICAL STACKING OF MAILBOXES IS NOT PERMITTED.
NOTES:
1. ALL MAILBOX CLUSTER DESIGNS SHALL BE APPROVED BY THE UNITED STATES POSTAL SERVICE PRIOR TO INSTALLATION.
2. ALL MAILBOX CONCRETEPADS SHALL HAVE 4"X6" WELDED WIRE MESH REINFORCEMENT.
NOTES:
1. ALL MAILBOX CLUSTER LOCATIONS SHALL BE APPROVED BY THE UNITED STATES POSTAL SERVICE PRIOR TO INSTALLATION.
2. ALL MAILBOX CLUSTER LOCATIONS SHALL HAVE A STREETLIGHT WITHIN 10 FEET OF CONCRETE PAD OR DIRECTLY ACROSS THE STREET.
GENERAL NOTES
1. ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE SPECIFICATIONS ENTITLED STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, BUSINESS AND TRANSPORTATION AGENCY, DEPARTMENT OF TRANSPORTATION AND NATIONAL ELECTRICAL CODE, AND THESE PROVISIONS.
2. REFER TO PLAN SHEET OR ST-69 FOR PLACEMENT AND WATTAGE EQUIVALENCY REQUIREMENTS.
3. ALL STREET LIGHTS SHALL BE NUMBERED. REFER TO ST-70.
4. THE DEVELOPER SHALL APPLY FOR RULE 16 WITH PG&E.
5. THE CITY SHALL REQUEST STREET LIGHT ACTIVATION WITH PG&E PRIOR TO NOTICE OF COMPLETION.
6. LUMINAIRE SHALL BE:
   - HPS 70W EQUIVALENT CREE STR-LWY-25-HT-03-E-UL-SV-525-40K-DIM-UTL-
   - HPS 100W EQUIVALENT CREE STR-LWY-25-HT-04-E-UL-SV-525-40K-DIM-UTL-
   - HPS 150W EQUIVALENT CREE STR-LWY-25-HT-05-E-UL-SV-525-40K-DIM-UTL-

LIGHT STANDARD TYPE 15

STREET LIGHT STANDARD

REVISIONS:
JUNE 2017

DRAWN BY: kfp

CITY OF REEDLEY
ST-65
### Pole and Luminaire Arm Data

<table>
<thead>
<tr>
<th>Street Classification</th>
<th>No. of Lanes</th>
<th>Mast Arm Length</th>
<th>Pole Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local</td>
<td>2</td>
<td>8-foot</td>
<td>28-foot</td>
</tr>
<tr>
<td>Collector</td>
<td>2</td>
<td>8-foot</td>
<td>28-foot</td>
</tr>
<tr>
<td>Arterial</td>
<td>4</td>
<td>12-foot</td>
<td>30-foot</td>
</tr>
</tbody>
</table>

### General Notes
1. All work shall conform to the applicable sections of the specifications entitled Standard Specifications, State of California, Business and Transportation Agency, Department of Transportation and National Electrical Code, and these provisions.
2. Refer to plan sheet or ST-69 for placement and wattage equivalency requirements.
3. All street lights shall be numbered. Refer to ST-70.
4. The developer shall apply for Rule 16 with PG&E.
5. The city shall request street light activation with PG&E prior to notice of completion.
6. Luminaire shall be:
   - HPS 70W Equivalent Cree
   - HPS 100W Equivalent Cree
   - HPS 150W Equivalent Cree

### Plan View

1. 1-1/2" conduit to extend 2" - 3" above finished grade.
2. 1/16" conduit with 18" radius bend.
3. 1/16" conduit to extend 2" - 3" above finished grade.
4. ASTM A307 1" x 36" galvanized anchor bolt (4 total)
GENERAL NOTES
1. PULL BOXES SHALL BE NO. 3-1/2 AS PER CAL TRANS STANDARD SPECIFICATIONS OR CHRISTY N-9 OR APPROVED EQUVALENT.
2. PULL BOXES SHALL BE GROUTED PRIOR TO INSTALLATION OF CONDUCTORS SLOPED TOWARD THE DRAIN HOLE. PLACE A LAYER OF ROOFING PAPER BETWEEN THE CRUSHED ROCK AND THE GROUT.
3. PULL LIDS BEFORE POURING CONCRETE AROUND PULL BOXES.
4. WRAP PULL BOX WITH ROOFING PAPER BEFORE BACKFILLING.
5. FUSE AT POINT OF SERVICE SHALL BE 60A IF #6 CONDUCTOR AND 40A IF #8 CONDUCTOR AND SHALL HAVE A TRON TYPE FUSE HOLDER (SINGLE POLE).
6. INSTALL A ONE-FOOT RING OF CONCRETE, FOUR INCHES DEEP AROUND THE WRAPPED PULL BOX INSTALLED IN DIRT AREA, SLOPED TO DRAIN AWAY FROM THE PULL BOX.
7. ALL LIDS ON ALL UTILITY BOXES SHALL HAVE LOCKING BOLTS.
NOTES
1. All dimensions are minimum.
2. Rubber tapes shall be rolled after application.

INSULATION METHODS
Low Voltage Circuits (0–600 V)

METHOD "A" (Used only when specified)
1. Completely cover the splice area with electrical insulating coating and allow to dry.
2. Apply electrical filler compound with minimum thickness of 0.15".
3. Apply 3 layers half lapped polyvinyl chloride tape.
4. Cover entire splice with electrical insulating coating and allow to dry.

OR

METHOD "B"
1. Completely cover the splice area with electrical insulating coating and allow to dry.
2. Apply 2 layers of electrical insulating pad with min. thickness of 0.15" each; layer or 2 layers, half lapped, synthetic oil resistant, self fusing rubber tape.
3. Apply 3 layers half lapped polyvinyl chloride tape.
4. Cover entire splice with electrical insulating coating and allow to dry.

TYPE "C" SPlice
Between 1 free-end and 1 through conductor

TYPE "T" SPlice
For 3 free-ends

TYPE "S" SPlice
Between 2 free-ends

NOT TO SCALE
NOTES

1. For metal poles, apply to clean surface.

2. Backing plate shall be Almetek EMP-2.5v5 or approved equal on city approved poles.

3. For wood poles, use embossed aluminum backing plate secured w/ 1-1/2" aluminum roofing nails.

4. Numerals shall be Almetek PS-2.5 series or approved equal.

5. Pressure sensitive markers of reflective scotchliner black on white background.

6. PG&E shall assign a pole number.

7. Developer/contractor shall install city approved numbers on all street light poles.

9' from grade/sidewalk elevation, adjust as needed to clear hardware or appurtenances.
NOTE:
1. THIS "STANDARD" IS A GUIDE ONLY AND DEVIATIONS WILL BE ACCEPTABLE WHERE CONDITIONS DICTATE.
2. DIMENSIONS SHOWN ARE DESIRABLE BUT DO NOT GOVERN.
3. THE INTENTION IS TO SHOW THE RELATIVE POSITION OF ALL UTILITIES.
4. ANY CHANGES OR DEVIATION MUST BE APPROVED BY THE CITY ENGINEER.
5. IN STREETS WITH A MEDIAN ISLAND THE SEWER MAIN SHALL BE LOCATED 5 FEET FROM THE MEDIAN ISLAND CURB FACE ON THE OPPOSITE SIDE OF THE STORM DRAIN PIPELINE.

UNDERGROUND UTILITIES LOCATIONS

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

ST-72

DRAWN BY: kjo
NOTE:
1. THIS "STANDARD" IS A GUIDE ONLY AND DEVIATIONS WILL BE ACCEPTABLE WHERE CONDITIONS DICTATE.
2. DIMENSIONS SHOWN ARE DESIRABLE BUT DO NOT GOVERN.
3. ANY CHANGES OR DEVIATION MUST BE APPROVED BY THE CITY ENGINEER.

SECTION A-A

NOTE:
1. O.C., 95% RELATIVE COMPACTION BENEATH CONCRETE SLAB TO DEPTH OF 12".
2. CONCRETE FOR SLAB SHALL BE CLASS "B" 3500 PSI.
3. maintaining 5" CLEARANCE BETWEEN ALL JOINTS AND ENDS OF STEEL RE-BAR.
4. EXPANSION JOINTS AT EACH 60 FOOT TANGENT POINT.
5. WEAKENED PLANE JOINTS SHALL BE PLACED AT A SPACING OF 20 FEET.

BUS TURNOUT
MID-BLOCK TURNOUT DESIGN
MINIMUM OF 17'
LANDSCAPE BUFFER

CITY OF REEDLEY
ST-74
NOTE:
1. THIS "STANDARD" IS A GUIDE ONLY AND DEVIATIONS WILL BE ACCEPTABLE WHERE CONDITIONS DICTATE.
2. DIMENSIONS SHOWN ARE DESIRABLE BUT DO NOT GOVERN.
3. ANY CHANGES OR DEVIATION MUST BE APPROVED BY THE CITY ENGINEER.

SECTION A-A

NOTE:
1. O.C. 95% RELATIVE COMPACTION BENEATH CONCRETE SLAB TO DEPTH OF 12".
2. CONCRETE FOR SLAB SHALL BE CLASS 'B' 3500 PSI.
3. MAINTAIN 6" CLEARANCE BETWEEN ALL JOINTS AND ENDS OF STEEL RE-BAR.
4. EXPANSION JOINTS AT EACH 60 FOOT TANGENT POINT.
5. WEAKENED PLANE JOINTS SHALL BE PLACED AT A SPACING OF 20 FEET.

BUS TURNOUT
MID-BLOCK TURNOUT DESIGN
WITH GREATER THAN 24' LANDSCAPE BUFFER

REVISIONS:
SEPT. 2016

CITY OF REEDLEY
ST-75
NOTES:

1. THIS STANDARD SHALL BE USED ONLY UPON APPROVAL BY CITY ENGINEER.

2. CITY ENGINEER MAY PERMIT A CURVILINEAR DESIGN. PRECISE DATA SHALL BE PROVIDED TO STAKE THE ALIGNMENT AND SET APPROPRIATE GRADES.
NOTES:
1. THIS STANDARD SHALL BE USED ONLY UPON APPROVAL BY THE CITY ENGINEER.
2. CITY ENGINEER MAY PERMIT A CURVILINEAR DESIGN. PRECISE DATA SHALL BE PROVIDED TO STAKE THE ALIGNMENT AND SET APPROPRIATE GRADES.
3. MAXIMUM SPACE FOR EXPANSION JOINTS IS 20 FT.

ACTUAL WIDTH TO BE DETERMINED BY CITY ENGINEER

6" NATIVE COMPACTED TO 95% R.C.
TRAIL SHALL DRAIN TOWARDS STREET OR APPROVED DRAINAGE LOCATION

4" CONCRETE, 4000 PSI, MEDIUM BROOM FINISH

ELEVATION VIEW

PLAN VIEW

CONCRETE MULTI-PURPOSE TRAIL

REVISIONS:
SEPT. 2016

DRAWN BY: kjp

CITY OF REEDLEY

ST-77
GENERAL NOTES:

R=155’ MIN. (25 mph)

EASEMENTS SHOWN ARE MINIMUMS. ADDITIONAL WIDTHS MAY BE NEEDED FOR GRADING & DRAINAGE PURPOSES.

CROSS SLOPES = 2% FOR TRAIL 2’ SHOULDER.

TRAIL DESIGN SHALL COMPLY WITH CHAPTER 1000 OF THE CALTRANS HIGHWAY DESIGN MANUAL.

AN ADDITIONAL 12’ EASEMENT REQUIRED FOR EQUESTRIAN PURPOSES.
NOT TO SCALE

TEMPORARY TIMBER BARRICADE

REVISIONS: SEPT. 2016

CITY OF REEDLEY ST-79

DRAWN BY: kjp

NOTES:
1. ALL WOOD SURFACES SHALL BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONTINUOUSLY COMPLYING WITH THE STATE OF CALIFORNIA SPECIFICATION 91-302. ONE COAT TO BE APPLIED PRIOR TO INSTALLATION OF THE BARRICADE. THE SECOND COAT TO BE APPLIED PRIOR TO INSTALLATION OF THE REFLECTORS.
2. BARRICADE SHALL EXTEND FROM THE CENTERLINE OF THE TRAFFIC LANE AND BE ACQUIRED FROM THE END OF THE WALKWAY OR:! Varies
3. INSTALL REFLECTORIZED SIGN AS REQUIRED BY THE ENGINEER.
4. SECTIONS AT DEAD END STREETS, YELLOW REFLECTORIZED SIGN ONLY.
5. STATE OF CALIFORNIA TYPE N-3, RED REFLECTORIZED SIGN WITH REFLECTORIZED SIGN WRY #7 OR WRY #14.
6. TO BE INSTALLED AT WIGHT AND POSITION SPECIFIED BY THE ENGINEER.
7. INTERSECTION SIGNS ARE TO BE INSTALLED AT WIGHT AND POSITION SPECIFIED BY THE ENGINEER. SUCH THAT VEHICLE HEADLIGHTS WILL CORRECTLY hybrids TO THE BARRICADE LINE.
NOTES:
1. CAST IRON COVER SHALL BE MARKED "WATER".
2. TRADE NAMES ARE SPECIFIED HEREBIN AS A STANDARD OF ACCEPTABLE QUALITY. EQUIPMENT OF EQUAL QUALITY MAY BE USED AFTER APPROVAL BY THE CITY ENGINEER.
4. VALVE SHALL BE APPROVED GATE VALVE AS PER STD. PLAN W-3.
5. VALVE SHALL BE FLANGED TO TEE ON WATER MAIN.
6. 24” x 24” x 12” THICK P.C.C. PAD TO BE INSTALLED AROUND HYDRANT BURY.
7. FIRE HYDRANT TO BE PAINTED SAFETY YELLOW NUMBER 80 (2-COATS).
8. SINGLE STRAND 14 GA. COPPER WIRE TO BE LAID ALONG TOP OF NONMETALLIC PIPE AND HELD IN PLACE AT 5 FT. INTERVALS BY DUCT OR PLUMBERS TAPE AND CONNECTED TO ALL VALVES AND FITTINGS.
9. PROVIDE BREAK-OFF TYPE BOLTS.
10. COMMERCIAL SIDEWALK FIRE HYDRANT INSTALLATION TO BE 9 FT FROM FACE OF CURB TO CENTER OF FIRE HYDRANT.
11. RESIDENTIAL WITH A PARK STRIP FIRE HYDRANT INSTALLATION TO BE 5' FROM FACE OF CURB TO CENTER OF FIRE HYDRANT.
12. NO PARKING "PAINT CURB RED" 15’ TOTAL LENGTH CENTERED ON HYDRANT.
13. FIRE HYDRANT TO BE SET 10 FT. FROM CURB RETURNS.
14. 3' CIRCUMFERENCE CLEARANCE MUST BE MAINTAINED AROUND F.H. PER FIRE CODE.

CHRISTY 6-5 OR A BES M-2 BOX WITH C-275 METAL TRAFFIC UD.

SEE NOTE 8

CONCRETE COLLAR

8” VALVE CASING

6” P.V.C. WATER PIPE CONFORMING TO AWWA C900 SPECIFICATIONS

LOCATION WIRE

COMPACT GROUND AROUND HYDRANT BARREL

GUTTER AND SIDEWALK

VARIES

VARIES

RESIDENTIAL INSTALLATION, 4”-6”

COMMERCIAL INSTALLATION, SEE NOTE 10

PARK STRIP INSTALLATION, SEE NOTE 11

SEE NOTE 6

W-1

CITY OF REDELEY

NOT TO SCALE

WET BARREL ASSEMBLY

FIRE HYDRANT

REVISED: NOV. 2015

DRAWN BY: M.F.

MANUFACTURER | HYDRANT | HOSE NOZZLE | PUMPER NOZZLE
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<tr>
<td></td>
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<td>NO.</td>
</tr>
<tr>
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<td>960</td>
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THRUST BLOCK CITY STD. W-7

INSTALL 6” GATE VALVE, REFER TO CITY STD. PLAN W-3. (SEE NOTE 5)
TYPICAL FIRE HYDRANT MARKER LOCATIONS

REVISIONS:
NOV. 2015

CITY OF REEDLEY

W–2
NOTES:
1. CAST IRON COVER SHALL BE LABELED "WATER".
2. FULL DEPTH COLLAR SHALL BE INSTALLED IN DIRT AREAS ONLY.
3. VALVE CASING MAY BE POLY (VINYL CHLORIDE) PIPE, SDR 35.
4. VALVE FITTINGS SHALL BE FLANGED OR A.C. FITTINGS AS SPECIFIED ON THE PLANS.
5. NOMINAL DIAMETER OF VALVE SHALL EQUAL NOMINAL DIAMETER OF PIPE.
6. VALVE BOX SHALL BE CLEANED AND THE OPERATOR NUT VISIBLE AND OPERATIONAL PRIOR TO ACCEPTANCE OF WORK.
7. TRADE NAMES ARE SPECIFIED HERIN AS A STANDARD OF ACCEPTABLE QUALITY. EQUIPMENT OF EQUAL QUALITY MAY BE USED AFTER APPROVAL BY THE CITY ENGINEER.
8. IF DISTANCE FROM THE VALVE BOX COVER TO THE OPERATING NUT EXCEEDS 40 INCHES AN APPROVED EXTENSION WAST SHALL BE INSTALLED.
9. SINGLE STRAND 14 GAUGE COPPER WIRE TO BE LAYED ALONG TOP OF NON-METALLIC PIPE AND HELD IN PLACE AT 5 FOOT INTERVALS BY DUCT OR PLUMBER'S TAPE AND CONNECTED TO ALL VALVES AND FITTINGS.
10. STAINLESS STEEL MECHANICAL JOINT TAPPING SLEEVE MAY BE USED WITH EXISTING INSTALLATION AFTER APPROVAL BY THE CITY ENGINEER.
11. MECHANICAL FLANGE TEE AT THESE LOCATIONS.

NOT TO SCALE
TYPICAL STREET INSTALLATION

MANUFACTURER | CURB STOP | CORPORATION STOP
--- | --- | ---
JAMES JONES | J-19227W | J-3403

WATER MAIN | MANUFACTURER | SERVICE SADDLE
--- | --- | ---
ASBESTOS CEMENT PIPE (EXISTING) | JAMES JONES | J-940
SMITH-BLAIR | 311
Roxax | 1015
ASTM C900 PVC PIPE | SMITH-BLAIR | 315
JAMES JONES | J-3956 w/ L.P. THREADS

NON-TRAFFIC AREAS
MANUFACTURER | METER BOX | LID
--- | --- | ---
CHRISTY | B 16 D | D30
BEDS | C-16-W | C16D

TRAFFIC AREAS AND DRIVEWAYS
MANUFACTURER | METER BOX | LID
--- | --- | ---
CHRISTY | B 16 C | C30
BEDS | C-16-W | C16C

TYPICAL ALLEY INSTALLATION

NOTES:
1. METERS SHALL BE PURCHASED FROM THE CITY OF REEDLEY.
2. VALVE BOXES SHALL BE BROUGHT TO PROPER GRADE PRIOR TO ACCEPTANCE OF WORK.
3. THE INSIDE OF THE VALVE BOXES SHALL BE COVERED SUCH THAT THE METER METER STOPS ARE ACCESSIBLE AND OPERATIONAL PRIOR TO THE ACCEPTANCE OF THE WORK. DIRT & DEBRIS SHALL BE REMOVED 2" BELOW WATER METER.
4. TRADE NAMES ARE SPECIFIED AS A STANDARD OF ACCEPTABLE QUALITY. EQUIPMENT OF EQUAL QUALITY MAY BE USED AFTER APPROVAL BY THE CITY ENGINEER.
5. NO GALVANIZED PIPE FITTINGS ARE TO BE USED IN METER ASSEMBLY INSTALLATION.
6. SINGLE STRAND 14 GAUGE COPPER WIRE TO BE Laid along TOP OF NON-METALLIC PIPE AND HELD IN PLACE AT 5 FT. INTERVALS BY DUCT OR PLUMBERS TAPE AND CONNECTED TO ALL VALVES AND FITTINGS.
7. IN A RESIDENTIAL SUBDIVISION THE WATER SERVICE ASSEMBLY SHALL BE LOCATED AT THE CENTER OF THE LOT.
8. NO PLUMBING PUTTY ALLOWED ON ANY FITTING.
9. TOP OF METER MUST BE AT LEAST 5" BELOW BOTTOM OF METER BOX LID.
10. THE CITY'S RESPONSIBILITY FOR A WATER SERVICE ENDS AT THE WATER METER COUPLING. THE CITY IS NOT RESPONSIBLE FOR THE CUSTOMER SHUT-OFF VALVE, OTHER VALVES OR PIPING LOCATED ON THE CUSTOMER'S SIDE OF THE METER.

NOT TO SCALE

ONE INCH WATER SERVICE & ASSEMBLY STREET/ALLEY INSTALLATION

REVISIONS:
NOV. 2015

CITY OF REEDLEY
W-4

DRAWN BY: kjp
1. Meters shall be purchased from the City of Reedley.
2. Valve boxes shall be brought to proper grade prior to acceptance of work.
3. The inside of the valve boxes shall be cleaned such that the meter, meter stops are accessible and operational prior to the acceptance of the work.
4. Trade names are specified herein as a standard of acceptable quality. Equipment of equal quality may be used after approval by the City Engineer.
5. Dielectric fitting required between curb stop and galvanized steel pipe house service.
6. Single strand 14 gauge copper wire to be laid along top of non-metallic pipe and held in place at 5 ft. intervals by duct or plumbers tape and connected to all valves and fittings.
7. No plumbing putty allowed on any fitting.
8. For 2" meters or larger, radio transmitter shall be mounted (label side facing up) inside meter box, on a 3/4" x 24" SCH. 40 PVC stake.
9. Manifolds accommodating 2" or larger meters must be approved by City Engineer.

NOTE: All poly pipe & compression fittings from Corp Stop to Meters

CITY OF REEDLEY
WATER SERVICE MANIFOLD ASSEMBLY

REVISIONS:
NOV. 2015

DRAWN BY: kjp

W—6
TABLE OF BEARING AREAS* REQUIRED (IN SQUARE FEET)

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<td>CROSS W/PLUG</td>
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* AREAS GIVEN FOR CLASS 150 PIPE OF PRESSURE OF 150 P.S.I. IN SOIL WITH 2,000 P.S.F. CAPACITY INSTALLATION USING DIFFERENT PIPE, TEST PRESSURE, AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF CITY ENGINEER.

NOTES:
1. ENGINEER TO COMPUTE BEARING AREAS FOR CASES NOT COVERED HEREIN.
2. CONCRETE FOR THRUST BLOCKS SHALL BE CLASS "B" CONCRETE (5 SACK MINIMUM.)
3. MINIMUM THICKNESS OF THRUST BLOCKS TO BE 6 INCHES.
4. THRUST BLOCK TO BE POURED AGAINST UNDISTURBED SOIL.
5. THRUST BLOCKS SHALL BE POURED A MINIMUM OF 5 DAYS BEFORE PRESSURIZING THE SYSTEM.
NOT TO SCALE

2"relude-ff ASSEMBLY

2" x 2 1/2" HOSE THREAD ADAPTOR AND CAP

VARIES

CURB, GUTTER AND SIDEWALK

VARIES

26 1/2"

CHRISTY G-5 OR A RES M-2 BOX WITH C-275 METAL TRAFFIC LID.

CHRISTY B-16 WATER METER BOX

2" x 4" RWD. BLK. (TYP.)
(all sides)

WATER MAIN (SIZE VARIES)

JAMES JONES J-360 2" ANGLE VALVE

2" DIA. BRASS (TYP.)

8" VALVE CASING

WATER MAIN (SIZE VARIES)

REFER TO STD. PLAN W-2.

TYPICAL INSTALLATION

NOTES:

1. ALTERNATE CONNECTION TO BE INSTALLED ONLY WHEN ALLOWED IN THE SPECIAL PROVISION BY THE CITY ENGINEER.

2. THE 2" PIPE ENCASED WITH THE CONCRETE THRUST BLOCK SHALL BE PAINTED WITH RUST RESISTANT PAINT AND WRAPPED WITH PLASTIC TAPE TO A THICKNESS OF 20 MILS.

3. WATER VALVE CASING AND VALVE BOX AND LID SHALL BE INCLUDED IN ASSEMBLY WHEN INSTALLED AS A TYPICAL INSTALLATION.

4. NO SERVICE SHALL BE LOCATED BETWEEN WATER VALVE AND THE END OF THE WATER MAIN.

5. BLOW-OFF NOT ALLOWED ON CUL-DE-SAC.

6. P.V.C. WATER MAIN SHALL CONFORM TO AWWA C900 SPECIFICATIONS.

7. VALVE BOXES SHALL BE BROUGHT TO PROPER GRADE PRIOR TO ACCEPTANCE OF WORK.
SPECIAL CONSTRUCTION REQUIREMENTS

CASE 1: NEW SEWER LINE INSTALLED — NEW OR EXISTING WATER MAIN

If a new sewer line is constructed within Zone A, B, C, or D of a proposed or existing water main, the following special requirements will apply for the sewer.

ZONE SPECIAL REQUIREMENTS

A. SEWER LINES WILL NOT BE PERMITTED IN THIS ZONE WITHOUT SPECIAL PERMISSION FROM THE DEPARTMENT OF HEALTH.

B. A SEWER LINE PLACED PARALLEL TO A WATER MAIN SHALL BE CONSTRUCTED OF EXTRA-STRENGTH VITRIFIED CLAY PIPE WITH COMPRESSION JOINTS; OR CLASS 4000, TYPE II ASSISTED-CEMENT PIPE WITH RUBBER GASKET JOINTS; OR POLYVINYL CHLORIDE PIPE WITH RUBBER-RING JOINTS, OR REINFORCED CONCRETE PRESSURE PIPE WITH REINFORCED CONCRETE COLLARS AROUND THE JOINTS WHICH COLLARS SHALL HAVE A MINIMUM THICKNESS OF 6" AND A MINIMUM LENGTH ALONG THE PIPE OF 6" ON EITHER SIDE OF THE JOINT; OR CAST IRON PIPE WITH COMPRESSION JOINTS.

C or D. A SEWER LINE CROSSING A WATER MAIN SHALL BE CONSTRUCTED OF CLASS 150 OR STRONGER CAST IRON PIPE WITH HOT DIP BITUMINOUS COATING AND APPROVED MECHANICAL JOINTS; OR A CONTINUOUS SECTION OF CLASS 2000 POLYVINYL CHLORIDE PIPE; OR REINFORCED CONCRETE PRESSURE PIPE CENTERED OVER THE PIPE BEING CROSSED; OR ANY SEWER PIPE ENCASED WITHIN A CONTINUOUS STEEL CASING SHALL HAVE A THICKNESS OF NOT LESS THAN 1/2" AND ALL JOINTS BETWEEN THE SEWER LINE AND THE CASING PRESSURED GROUNTED WITH SAND-CEMENT GROUT; OR (ZONE-D ONLY) ANY SEWER PIPE SEPARATED BY A REINFORCED CONCRETE BLANKET AS SHOWN IN STANDARD PLAIN NO. W-10.

P. PROHIBITED ZONE

CASE 2: NEW WATER MAIN INSTALLED — EXISTING SEWER

If a proposed water main will be located within Zone A, B, C, or D, the following special requirements will apply for the proposed water main.

ZONE SPECIAL REQUIREMENTS

A. NO WATER MAIN SHALL BE CONSTRUCTED WITHOUT PERMISSION FROM THE DEPARTMENT OF PUBLIC HEALTH.

B. IF THE SEWER PARALLELING THE WATER MAIN DOES NOT MEET THE CASE-1, ZONE-B REQUIREMENTS, THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING; OR CLASS 200; TYPE II OR CLASS 200 PRESSURE RATED POLYVINYL CHLORIDE PIPE OR EQUIVALENT.

C. IF THE SEWER CROSSING THE WATER MAIN DOES NOT MEET THE CASE-1, ZONE-C REQUIREMENTS, THE WATER MAIN SHALL HAVE NO JOINTS IN ZONE-C AND BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING, OR CLASS 200 PRESSURE RATED POLYVINYL CHLORIDE PIPE OR EQUIVALENT AND THE SEWER SHALL BE ENCASED WITH REINFORCED CONCRETE AS SHOWN IN STANDARD PLAIN W-10.

D. IF THE SEWER CROSSING THE WATER MAIN DOES NOT MEET THE REQUIREMENTS FOR ZONE-D, CASE-1, THE WATER MAIN SHALL HAVE NO JOINTS WITHIN FOUR (4') FEET FROM EITHER SIDE OF THE SEWER AND SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING; OR CLASS 200 PRESSURE RATED POLYVINYL CHLORIDE PIPE OR EQUIVALENT, OR DIPPED AND WRAPPED 1/2" THICK WELDED STEEL PIPE.

P. PROHIBITED ZONE

NOTES:

1. ALL DIMENSIONS ARE FROM THE OUTSIDE OF THE WATER MAIN TO THE OUTSIDE OF THE SEWER LATERAL OR MAIN.
2. COMPRESSION JOINTS ARE RUBBER RING OR GASKET JOINTS.
3. MECHANICAL JOINTS ARE MOLDED JOINTS.

NOT TO SCALE

SPECIAL CONSTRUCTION REQUIREMENTS FOR SEWER AND WATER SEPARATION

WHERE REQUIRED SEPARATION CANNOT BE MAINTAINED

REVISIONS: NOV. 2015

CITY OF REEDLEY

DRAWN BY: kjp

W-9
REINFORCED CONCRETE BLANKET

NOTES:
1. CONCRETE SHALL BE CLASS "B" (5 SACK CEMENT / C.Y. CONCRETE)

REINFORCED CONCRETE ENCASMENT

NOTES:
1. CONCRETE SHALL BE CLASS "B" (5 SACK CEMENT / C.Y. CONCRETE)
2. WRAP SEWER MAIN WITH 15 LB. FELT.

NOT TO SCALE
NOT TO SCALE

WATER WELL ABANDONMENT
REQUIREMENTS FOR DESTRUCTION
OF WELLS IN URBAN AREAS

NOTES:
1. DESTRUCTION OF ABANDONED WELL
   SHALL BE PER FRESNO COUNTY HEALTH
   DEPARTMENT SPECIFICATIONS.
2. DESTRUCTION OF ABANDONED WELL
   SHALL BE PERFORMED BY A PERSON
   WHO POSSESS AN ACTIVE C-57
   CONTRACTORS LICENSE.
3. A WELL ABANDONMENT PERMIT SHALL
   BE OBTAINED FROM THE COMMUNITY
   DEVELOPMENT DEPARTMENT PRIOR TO
   PERFORMANCE OF WORK.
4. UPPER 20' OF CASED WELL OR ENTIRE
   LENGTH OF TEST WELL OR UNCASED WELL
   SHALL BE FILLED IN ONE CONTINUOUS
   POUR WITH CONCRETE OR GROUT
   OR OTHER MATERIAL AS DEFINED IN
   "WATER WELL STANDARDS" STATE
   DEPARTMENT OF WATER RESOURCES
   BULLETIN #74 AND INSPECTED PRIOR
   TO COVERING.
5. THE EXPOSED WELL AND SURROUNDING
   EXCAVATION SHALL BE COVERED DURING
   ALL PERIODS OF INACTIVITY WITH A
   SUITABLE COVER SUFFICIENTLY ANCHORED
   TO PREVENT HAZARD TO THE PUBLIC
   AND/OR CONTAMINATION OF THE WELL

REVISIONS:
NOV. 2015

CITY OF REEDLEY

W–11

DRAWN BY: kjp
NOTES:

1. CHRISTY B-40 UTILITY BOX W/TRAFFIC COVER MARKED "ARV".
2. CHRISTY EXTENSION SPOOL (IF NEEDED).
3. 2" AIR AND VACUUM VALVE, APCO S-144.
4. ALL 2" DIAMETER GALVANIZED STEEL PIPE SHALL BE SCHEDULE 80, ASTM A120.
5. BRASS CAP WITH 9 DRILLED 1/16" HOLES OR #18 X 18 STAINLESS STEEL WIRE NETTING (INSECT SCREEN).
6. 2" CURB STOP, FORD BF63-777W-10R7-G OR JAMES JONES J-1939W.
7. 3" DEEP DRAIN ROCK.
8. TRADE NAMES ARE SPECIFIED HEREIN AS A STANDARD OF ACCEPTABLE QUALITY. EQUIPMENT OF EQUAL QUALITY MAY BE USED AFTER APPROVAL BY THE CITY ENGINEER.
9. LOCATION OF TAP AND ASSEMBLY SHALL BE DETERMINED IN THE FIELD BY THE CITY ENGINEER.
10. SINGLE STRAND 14 GAUGE COPPER WIRE TO BE LAID ALONG TOP OF NONMETALIC PIPE AND HELD IN PLACE AT 5 FT. INTERVALS BY DUCT OR PLUMBER TAPE, CONNECTED TO ALL VALVES AND FITTINGS.
11. DIELECTRIC FITTINGS ARE REQUIRED BETWEEN CURB STOP AND GALVANIZED STEEL PIPE SERVICE.
12. VALVE BOXES SHALL BE BROUGHT TO PROPER GRADE PRIOR TO ACCEPTANCE OF WORK.
13. THE INSIDE OF THE CURB BOX SHALL BE CLEANED SUCH THAT THE CURB STOP AND METER ARE ACCESSIBLE AND OPERATIONAL PRIOR TO ACCEPTANCE OF WORK.
NOTES:
1. TRADE NAMES ARE SPECIFIED HEREIN AS A STANDARD OF ACCEPTABLE QUALITY EQUIPMENT OF EQUAL QUALITY MAY BE USED AFTER APPROVAL BY THE CITY ENGINEER.
2. DIELECTRIC FITTING REQUIRED BETWEEN CURB STOP AND GALVANIZED STEEL PIPE.
3. ALTERNATE CONNECTION TO BE INSTALLED ONLY WHEN ALLOWED IN THE SPECIAL PROVISIONS OR BY THE CITY ENGINEER.
4. CONCRETE SHALL BE CLASS 'B' - 6 SACK MIX.
5. LOCATION SHALL BE DETERMINED IN FIELD BY CITY ENGINEER.
6. VALVE BOXES SHALL BE BROUGHT TO PROPER GRADE PRIOR TO ACCEPTANCE OF WORK.
7. SINGLE STRAND 14GA COPPER WIRE TO BE LAID ALONG TOP OF NON-METALLIC PIPE & HELD IN PLACE AT 5FT INTERVALS BY DUCT TAPE & CONNECTED TO ALL VALVES & FITTINGS.
8. SAMPLING STATION SHALL BE PAINTED W/GLIDDEN #554 DEEP GREEN EXTERIOR ENAMEL OR EQUAL AS APPROVED BY CITY ENGINEER.
NOT TO SCALE

DOUBLE CHECK VALVE INSTALLATION

N.O. 2015 DRAWN BY: M.P.

NOTES:
1. APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED ON EACH SERVICE LINE TO A CUSTOMER'S ON-SITE FIRE HYDRANT RUN AT OR NEAR THE PROPERTY LINE.
2. CAST IRON COVER SHALL BE MARKED "WATER".
3. TRADE NAMES ARE SPECIFIED HEREIN AS A STANDARD OF ACCEPTABLE QUALITY. EQUIPMENT OF EQUAL QUALITY MAY BE USED AFTER APPROVAL BY THE CITY ENGINEER.
4. WATER VALVE SHALL BE APPROVED GATE VALVE AS PER STD. PLAN W-2A
5. GATE VALVE SHALL BE FLANGED TO TEE IN MAIN.
6. DIMENSIONS OF CONCRETE PAD TO BE DETERMINED BY THE CITY ENGINEER FOR EACH JOB.
7. SINGLE STRAND 14 GAUGE COPPER WIRE TO BE LAID ALONG TOP OF NONMETALIC PIPE AND HELD IN PLACE AT 5 FT. INTERVALS BY DUCT OR PLUMBER TAPE. CONNECT TO ALL VALVES AND FITTINGS.
8. P.V.C. WATER MAIN SHALL CONFORM TO AWWA C900 SPECIFICATIONS.
9. DUCTILE IRON PIPE SHALL CONFORM TO AWWA C110 SPECIFICATIONS.
10. DOUBLE CHECK DETECTOR BACKFLOW PREVENTOR SHALL BE INSTALLED BY A LICENSED PLUMBING CONTRACTOR.
NOTES:

1. APPROVED BACKFLOW PRESSURE REDUCER ASSEMBLY SHALL BE INSTALLED ON EACH SERVICE LINE TO A CUSTOMER'S SYSTEM AT OR NEAR THE PROPERTY LINE.

2. TRADE NAMES ARE SPECIFIED HEREIN AS A STANDARD OF ACCEPTABLE QUALITY. EQUIPMENT OF EQUAL QUALITY MAY BE USED AFTER APPROVAL BY THE CITY ENGINEER.

3. DIMENSIONS OF CONCRETE PAD TO BE DETERMINED BY THE CITY ENGINEER FOR EACH JOB.

4. SINGLE STRAND 14 GAUGE COPPER WIRE TO BE LAID ALONG TOP OF NONMETALIC PIPE AND HELD IN PLACE AT 5 FT. INTERVALS BY DUCT OR PLUMBER TAPE, CONNECTED TO ALL VALVES, FITTINGS & HYDRANT ASSEMBLIES.

5. P.V.C. WATER MAIN SHALL CONFORM TO AWWA C900 SPECIFICATIONS.

6. DIELECTRIC FITTINGS ARE REQUIRED BETWEEN CURB STOP AND GALVANIZED STEEL PIPE SERVICE.

7. VALVE BOXES SHALL BE BROUGHT TO PROPER GRADE PRIOR TO ACCEPTANCE OF WORK.

8. METER AND R.P. VALVE SHALL BE INSTALLED BY A LICENSED PLUMBING CONTRACTOR.

9. THE INSIDE OF THE CURB BOX SHALL BE CLEANED SUCH THAT THE CURB STOP AND METER ARE ACCESSIBLE AND OPERATIONAL PRIOR TO ACCEPTANCE OF WORK.

10. CONCRETE SHALL BE CLASS 'B' - 5 SACK MIX.

NOTE:
1. EQUIPMENT TO BE INSTALLED AT A MINIMUM OF 24" FROM ANY STRUCTURES OR HARDSCAPING.
2. ALL ABOVE GROUND ASSEMBLY SHALL RECEIVE (2) COATS OF RED PRIMER AND (1) COAT EXTerior ENAMEL - COLOR AS SELECTED BY LANDSCAPE ARCHITECT.
3. WHEN UNIT IS NEXT TO A STRUCTURE (i.e.WALL, BUILDING, ETC.) MOUNT TEST COCKS ON OPEN OR NON-STRUCTURE SIDE.
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</tr>
</tbody>
</table>
NOTES:
1. All electrical wiring and water lines shall be installed 2.5 ft. deep in a schedule 40 PVC conduit when crossing roadways or under any hard surface.
2. If more than one line is installed per trench, provide 0.5 ft. horizontal and vertical separation.
3. All PVC solvent (glue) shall be #711 (primer is required on main line only).
4. Landscape and irrigation improvements within the dedicated street right-of-way may require an encroachment permit. Check with Public Works Department for requirements.
5. Where open street cuts are required to install various irrigation and/or wires, all street patches within the City right-of-way shall be in accordance with City standard ST-46 or as directed by the City Engineer.
6. When there is a change in fitted direction, all irrigation main lines larger than 2" in diameter (pressure lines) shall be secured with thrust blocks in accordance with manufacturer's recommendation, City Std. W-7 and as directed by the City Engineer.
7. All irrigation lateral lines shall be schedule 40 PVC.
8. All irrigation main lines 2" in diameter and less shall be schedule 40 PVC. Irrigation main lines greater than 2" in diameter shall be PVC Schedule 40 or approved equal by the City Engineer.
9. Any and all changes shall be approved by the City Engineer prior to construction.
10. All irrigation installation shall be in accordance with City standards, the latest approved edition of the Uniform Plumbing Code, Manufacturer's Recommendations and as directed by the City Engineer.
11. All material used shall be new and free from imperfections.
12. See approved landscape and irrigation plans and legends for specific model number, size, quantity, manufacturer, and performance requirements.
NOTES:
1. Except as noted, all piping and fittings shall be galvanized unless approved by the City Engineer.
2. Use teflon tape on all threaded joints or approved equal by the City Engineer.
3. All materials shall be new and free from imperfections.
4. For less than a 2" landscape service, if water pressure is not available a Fecho 768 Pressure Vacuum Breaker may be utilized with approval by the City Engineer.
5. See approved landscape and irrigation plans and legends for specific model numbers, sizes, quantity, manufacturer’s, and performance requirements.
6. All transitions from galvanized pipe to PVC shall be constructed with Schedule 40 female adapter or approved equal by the City Engineer.
7. A 6" thick concrete (4000 PSI) slab is required for all water protection devices. 4 #4 Rebar reinforcement required. Minimum clearance shall be 1 ft. on all sides of the device and as directed by the City Engineer.
8. All irrigation installation shall be in accordance with City standards, the latest accepted edition of the Uniform Plumbing Code, manufacturer’s recommendation, and as directed by the City Engineer.
9. Any and all changes shall be approved by the City Engineer before construction.
10. Before acceptance of work by the City, the backflow preventer shall be tested and certified by a licensed Backflow Plumber. Certification shall be delivered to the City Engineer.
NOTES:
1. PAINT ALL METAL SURFACES WITH 2 COATS DARK GREEN ENAMEL OVER A PRIMER BASE.
2. FRAME CONSTRUCTED OF 1 1/2" BY 1 1/2" ANGLE IRON.
3. CONCRETE SHALL BE CLASS "B" (5 SACK).
4. 1/2" x 2" HEX CAP SCREW, GRACE 2 WITH 2 NUTS EACH.
5. PREFABRICATED SINGLE-LIFT OR DOUBLE-LIFT BACKFLOW ENCLOSURES AVAILABLE FROM NATIONAL WATERWORKS, 2051 E. BYRD AVE., #101, FRESNO, CA 93726
   PHONE 559-237-7488, FAX 559-237-6423, SEE TABLES BELOW FOR SIZING.
REMOTE CONTROL VALVE — GLOBE

PLAN VIEW

NOTES:
1. Use teflon tape on all threaded joints or approved equal by City Engineer.
2. All nipples shall be Schedule 80 PVC. All fittings shall be Schedule 40 PVC.
3. All irrigation control valves shall be placed in a plastic irrigation control valve box with top of valve box even with finished grade in turf and 2-inches above finished grade in planter area. The following plastic valve box and lid are deemed acceptable. Any deviation from the accepted box and lid below must be approved by the City Engineer.
   Christy E9T Fibrelite Ltd
   E9 Fibrelite Box
4. Installation of extra irrigation control wires from irrigation control clock to remove control valve is required for each manifold (bundle of valves). Extra wire shall be a different color than the one used to operate valves.
5. All irrigation control wires (control and common) shall be U.L. single strand copper wire, taped and bundled at 10 ft. intervals and placed near the irrigation manifold at 3 o'clock position.

CONTROL WIRING SHALL BE DIRECT BURIAL AWG—UF TYPE; "HOT" WIRE NOT SMALLER THAN AWG NO. 14; COMMON WIRE NOT SMALLER THAN AWG NO. 12.

CONTROL WIRE SIZE

6. All wire connections shall be waterproof and approved by the City Engineer. Splices will not be allowed unless approved by the City Engineer. The approved splices will require the use of a splice box.
7. Maintain 2 ft. separation between remote control valves (centerline to centerline) when more than one valve is installed in the same location.
8. Where possible, locate valves in the planter areas.
9. All irrigation installation shall be in accordance with City standards, the latest approved edition of the Uniform Plumbing Code, manufacturer's recommendations, and as directed by the City Engineer.
10. All materials used shall be new and free from defects.
11. Any and all changes shall be approved by the City Engineer prior to construction.
12. See approved landscape plans and legends for specific model numbers, size, quantity, manufacturer's and performance requirements.
**NOT TO SCALE**

### ELECTRIC CONTROLLER & SERVICE

- **SENTINEL - STAINLESS STEEL PEDESTAL CABINET**
- **SENTINEL - SS WALL MOUNTED CABINET**

#### NOTES:
1. Use Schedule 80 PVC conduit within enclosed pedestal, slope conduit to drain 1/8-inch per 1 ft.
2. Construct 6" Class 'B' (per Section 10 of City Standard Specifications) concrete slab as required to receive the pedestal mounted irrigation control clock. Compact 6" base to 80% relative density prior to placement of concrete slab.
3. All materials shall be new and free from defects.
4. See approved landscape/irrigation plans and legends for specific model numbers, size, quantities, manufacturer's, and performance requirements.
5. Any and all changes from this standard shall be approved by the City Engineer prior to any type of construction.
6. Controller to be properly grounded per National Electrical Code, Article 250, and local regulations.
7. Toro Sentinel Stainless Steel Wall Mounted Cabinet may be installed with City Engineer approval.
NOTES:
1. Use teflon tape in all threaded joints or approved equal by City Engineer.
2. All risers and nipples shall be Schedule 80 PVC.
3. All fittings shall be Schedule 40 PVC.
4. All laterals shall be Schedule 40 PVC or as noted on the landscape/irrigation plans.
5. Where irrigation heads are installed within embankments, a drain valve or check valve is required to prevent erosion.
6. All pop-up heads shall be 1-inch from concrete and asphalt areas. All large radius irrigation heads (part circle) shall be 4-inches from concrete and asphalt areas.
7. Height of pop-up heads shall be as follows:
   - 4-inches for lawn areas
   - 1 foot for shrubs
   - 1 foot for ground covers
8. Where part circle irrigation heads adjacent to a building wall, locate irrigation head 1 ft. from face of building wall to back of irrigation head.
9. Swing joints shall be allowed on all irrigation heads even where not required.
10. All irrigation installation shall be in accordance with City standards, the latest edition of the Uniform Plumbing Code, manufacturer's recommendation and as directed by the City Engineer.
11. All materials shall be new and free from defects.
12. See approved landscape/irrigation plans and legends for specific model numbers, size, quantities, manufacturer's, and performance requirements.

NOT TO SCALE

VARIOUS IRRIGATION HEADS

REVISIONS:
SEPT. 2016

DRAWN BY: kjp

CITY OF REEDLEY

L-7
NOTES:
1. Use teflon tape on all threaded joints or as approved by City Engineer.
2. All risers and nipples shall be Schedule 80 PVC.
3. All fittings shall be Schedule 40 PVC.
4. All laterals shall be Schedule 40 PVC or as noted on the landscape/irrigation plans.
5. All irrigation installation shall be in accordance with City standards, the latest edition of the Uniform Plumbing Code, manufacturer's recommendation and as directed by the City Engineer.
6. All materials shall be new and free from defects.
7. See approved landscape/irrigation plans and legends for specific model numbers, size, quantities, manufacturer's, and performance requirements.
8. Any and all changes from this standard shall be approved by the City Engineer prior to any type of construction.
PARKWAY SECTION
MONOLITHIC CURB, GUTTER AND SIDEWALK

2% Slope
4:1 Max. Slope

Masonry Block Wall

R/W

7' Min.

PARKWAY SECTION
LANDSCAPE STRIPS, MEANDERING SIDEWALK
MASONRY BLOCK WALL MUST BE DESIGNED BY A
QUALIFIED ENGINEER AND DESIGN SUBMITTED TO
THE CITY ENGINEER FOR REVIEW AND APPROVAL

2% Min. Slope
4:1 Max. Slope

Masonery Block Wall

R/W

Varies

NOTES:
1. Provide positive drainage (2% minimum to 4% maximum)
in all landfill areas.

2. 9-inch concrete mow strip is required for all lawn areas
adjacent to proposed or existing wall per Standard Plan
L-15.

3. Where lot grades are higher than street grades, side of
wall water proofing is required.

4. If curbing and or curb/gutter for landscape center
medians are not existing, see approved civil engineering
drawings.

5. All irrigation installation shall be in accordance with City
Standards, the latest edition of the Uniform Plumbing Code,
manufacturer's recommendation and as directed by the City
Engineer.

6. Any and all changes from this standard shall be
approved by the City Engineer prior to any type of
construction.

WATER PROOFING
(PLANTERS AND RETAINING WALLS)
ALL RETAINING WALLS MUST BE ENGINEERED
AND CALCULATIONS SUBMITTED TO CITY
ENGINEER FOR REVIEW AND APPROVAL.
**TREE PLANTING AND STAKING**

- **NOTES:**
  1. Apply soil amendment as per soil test.
  2. All trees shall be staked with new 2-inch diameter (pressure treated) Lodge Pole Pine. Remove original tree stakes from all plant material delivered to the project site and install new tree stakes.
  3. Construct mound as required to secure plants stability during construction installation.
  4. 6” min. Arbor tree guard or approved equal is required around all tree trunks planted in lawn areas.

---

**TREE BUBBLER IN TREE WELL**

- **NOTES:**
  5. 10’ Long x 24” deep root barrier is required against all hard surfaces when the tree trunk is 5 ft, or less from any hard surface. Center root barrier length onto tree. Top of root barrier shall be 1/2” below finished grade.
  6. Planting tablet shall be placed 2” below finished grade near root foundation as follows: 1 Tablet for 1 Gallon, 3 Tablets for 5 Gallon, 6 Tablets for 15 Gallon and 9 Tablets for 24” box.

---

**TURF AREAS**

- No bubblers

**TREES LOCATED IN LANDSCAPED AREAS REQUIRE ONLY 1 BUBBLER. TREES LOCATED IN TURF AREAS DO NOT REQUIRE BUBBLERS.**

---

**BUBBLER IN ROOT WATERING SYSTEM**

- **NOTES:**
  1. 4” grate
  2. Bubbler (See Irrigation Legend)
  3. FG
  4. Install sand sleeve in sandy soils
  5. Pea gravel 1/2” - 3/4” size
  6. 1/2” PVC schedule 80 nipple
  7. 1/2” 90 degree ELL
  8. 12” swing assembly
  9. 1/2” male NPT inlet
  10. PVC schedule 40 tee or ELL
  11. Lateral pipe
  12. Perforated pipe canister

---

**TREE PLANTING AND IRIGATION DETAILS**

- **REVISIONS:**
  - SEPT. 2016

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**CITY OF REEDLEY**

- **DRAWN BY:** kdp

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**L-11**
NOTES:
1. Apply soil amendment as per soil test.
2. Construct mound as required to secure plants stability during construction installation.
3. Planting tablets shall be placed 2-inches below finished grade near root foundation as follows:
   1 = Tablet per 1 Gal.
   3 = Tablets per 5 Gal.
   6 = Tablets per 15 Gal.
   9 = Tablets per 24-inch Box
4. Any and all deviations from this standard shall be approved by the City Engineer prior to construction.
5. All landscape planting and installation shall be in accordance with approved specific landscape irrigation construction plans, and as directed by the City Engineer.

SHRUB SPACING

1/2 SPACING FROM EDGE OF WALK, BACK OF CURB

SHRUBS SHALL BE TRIANGULAR SPACED PER Q. C. SPACING ON PLANTING LEGEND AND/OR PLANTING PLAN

CROWN ROD/STICK AS SHOWN

FORM SAUCER WITH 4" CONTINUOUS RIM

PLANTING MIX WATER & TAMP TO REMOVE AIR POCKETS (SEE PLANTING PLAN/LEGEND FOR PLANTING BACKFILL)

PLANTING TABLETS SEE NOTE 3.

2 x WIDTH OF ROOTBALL

3" LAYER OF TOPDRESSING (SEE PLANTING PLAN)
NOTES:
1. TREE VARIETY AND PLANTER SPACING TO CONFORM TO THE LIST OF APPROVED STREET TREES AND THE REQUIREMENTS OF THE CITY ENGINEER. ALL TREES PLANTED MUST HAVE STRONG CENTRAL LEADER.
2. INSTALLATION SUBJECT TO ENCROACHMENT PERMIT ISSUED BY THE PUBLIC WORKS DEPT.
3. IRRIGATION SYSTEM WITH Drip EMITTER OR BUBBLER TO BE EXTENDED TO EACH TREE FROM CITY WATER SUPPLY.
4. TREE MAINTENANCE INCLUDING WATERING, FERTILIZING AND LEAF PICKUP TO BE THE RESPONSIBILITY OF THE DOWNTOWN STREETSCAPE COMMITTEE AND UNDER THE SUPERVISION OF THE PUBLIC WORKS DIRECTOR.
5. TREES SHALL BE SECURELY TIED TO STAKES 2"x2"x8" IN SIZE. REDWOOD OR TREATED FOUNDATION GRADE WOOD PLACED ON PRE-VAILING WINDWARD SIDE OF TREE WITH RUBBER TIE STRAPS.
6. MINIMUM VERTICAL CLEARANCE TO LOWEST:
   a. LIMB OVERHANGING PARKING LANE = 14 FT.
   b. LIMB OVERHANGING SIDEWALK = 7 FT.
7. ROOT CONTROL BARRIER SHALL BE #12-2 AS MANUFACTURED BY DEEP ROOT, 345 LORTON AVE., BURLINGTON, CA, OR AS APPROVED BY THE CITY ENGINEER. VERTICAL ROOT DEFLECTING RIBS ON PANEL MUST FACE INWARD, TOWARD ROOT BALL. TOP EDGE OF BARRIER TO BE 1/2" BELOW GRADE.
8. FILL IN AROUND PERFORATED PIPE BELOW ROOT CONTROL BARRIER WITH 3/4" TO 1-1/4" ROCK TO 4" AROUND OUTSIDE PIPE.
9. SOIL MIX TO CONSIST OF SUITABLE NATIVE SOIL.
10. PLANTING BACKFILL MIX SHALL CONSIST OF 60% NATIVE SOIL & 40% NATURALIZED WOOD SHAVINGS.
IRRIGATION STREET Crossover

IRRIGATION STREET CROSSOVER WITH LANDSCAPE MEDIAN

"Contractor Shall Contact Utility Companies Prior To Boring."

<table>
<thead>
<tr>
<th>PVC PIPE SIZE</th>
<th>SLEEVE SIZE</th>
<th>UNDER 18 FT</th>
<th>OVER 18 FT</th>
<th>OVER 28 FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>1&quot;</td>
<td>1-1/4&quot;</td>
<td>1-1/2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>1-1/4&quot;</td>
<td>1-1/2&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
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<tr>
<td>1&quot;</td>
<td>1-1/2&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>2&quot;</td>
<td>2-1/2&quot;</td>
<td>2-1/2&quot;</td>
<td>3&quot;</td>
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<tr>
<td>1-1/2&quot;</td>
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<td>8&quot;</td>
<td>8&quot;</td>
</tr>
</tbody>
</table>

NOTES:
1. All piping and fittings shall be Schedule 40 PVC unless approved equal by the City Engineer.
2. Where conduit (sleeve only) is installed, one pull wire or rope shall be installed. The length of wire or rope shall extend 6 ft. pass each end of the conduit. Each conduit (sleeve) shall be capped at each end.
3. All material used shall be new and free from imperfections.
4. See approved landscape/irrigation plans and legends for specific model numbers, size, manufacturer's, and performance requirements.
5. All transitions from galvanized pipe to PVC shall be constructed with Schedule 40 female adapter or approved equal by the City Engineer.
6. All irrigation installation shall be in accordance with City Standards, the latest edition of the Uniform Plumbing Code, manufacturer's recommendations, and as directed by the City Engineer.
7. Verify all measurements and specific site conditions in the field.
8. Route pipe(s) as required as per approved landscape/irrigation plans.
9. Install 2"x4"x24" redwood stakes at each end of sleeve at hardscape. Top of redwood stake 1-inch below top of hardwood.
10. The method used for boring shall be reviewed and approved by the City Engineer prior to start of operation.
11. Any and all changes shall be approved by the City Engineer prior to construction.

IRRIGATION SLEEVE DETAILS

REVISIONS:
SEPT. 2016

CITY OF REEDLEY

DRAWN BY: kjp

L-14
MOW STRIP AT CHAIN LINK FENCE AND WOOD FENCE

NOTES:
1. Construct a deep score expansion joint at every fence post and every 15 ft. on all concrete surfaces.
2. All areas to receive concrete shall be compacted to 90% relative density for a depth of 0.5 ft. as approved by the City Engineer.
3. Top of mow strip shall be 1-inch above finished grade when adjacent to turf and 2-inches above finished grade when adjacent to planter.
4. Where the grade on the lot side of the wall is higher than the grade on the street side of the wall, waterproofing is required. See Standard Plan L-10 for waterproofing requirements.
5. Any and all changes from this standard detail sheet shall be approved by the City Engineer prior to construction.
6. All concrete shall be Class 'B' in accordance with Section 16 of the City Standard Specifications and as approved by the City Engineer.
NOTES:
1. Trees and shrubs within sight line and tree canopies over sidewalks shall conform to the detail below.
2. Sight distance at controlled intersections shall be based on a sight distance equal to design speed(s) in miles per hour multiplied by a factor of 10. See Design Speeds Table for various street classifications.
3. Corner sight distance is measured from a point on the minor road 15' from the edge of the major road pavement, and 3' right of the left edge of the lane under consideration. Said point is viewed from a height of 3.5' on the minor road to a height of 4.25' on the major road.
4. The location of the object to the left is 12' from the nearest edge of the major road (6' with parking prohibited). Parking shall be assumed to be prohibited on major arterial streets or as directed by the City Engineer.
5. The location of the object to the right is to be measured at 1/2 the major road width plus 3' from the nearest edge of the major street.
6. Landscaping over 3' in height above top of curb shall not be placed within the line of sight. All landscaping must be maintained at a height of 3' or less with the exception of trees.
7. Trees are permitted in the line of sight for controlled intersections provided that the skirt height (bottom of foliage) is maintained 8' above the adjacent top of curb. In the event more than 1 tree is placed in the sight line area they must be placed on a radial from the view point.
8. Any and all changes from this standard shall be designed by a traffic engineer and submitted to the City Engineer for review and approval prior to any type of construction.

DESIGN SPEEDS TABLE

<table>
<thead>
<tr>
<th>STREET TYPE</th>
<th>MINIMUM SIGHT DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCAL STREET</td>
<td>57'-60' R/W 25 MPH</td>
</tr>
<tr>
<td>MAJOR COLLECTOR</td>
<td>84' R/W 45 MPH</td>
</tr>
<tr>
<td>MAJOR ARTERIAL</td>
<td>110' R/W 55 MPH</td>
</tr>
</tbody>
</table>

TYPICAL SIGHT DISTANCE REQUIREMENTS FOR CONTROLLED INTERSECTION WITH LANDSCAPING

REVISIONS: SEPT. 2016

CITY OF REEDLEY

DRAWN BY: kjp

L-16
Landscaping shall be provided on major arterial, arterials and collector streets on which is placed a requirement for construction of masonry block walls, median islands, or other such areas as required by the City of Reedley.

Major arterial streets will require a landscape area with a minimum width of 21 feet including the masonry block wall behind the City standard sidewalk.

Arterials & Collector streets will require a landscaped area with a minimum width of 17 feet including the width of the masonry block wall behind the City standard sidewalk.
## Large Trees
### Greater than 8-foot Planter Area

<table>
<thead>
<tr>
<th>Scientific name</th>
<th>Common name</th>
<th>Tree well</th>
<th>Parkway</th>
<th>Spacing</th>
<th>Tree size</th>
<th>Street tree</th>
<th>Riparian/ Native</th>
<th>Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acer rubrum 'Red Sunset'</td>
<td>Red Maple 'Red Sunset'</td>
<td>4'x4'</td>
<td>6' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ginkgo biloba 'Autumn Gold'</td>
<td>Ginkgo 'Autumn Gold'</td>
<td>4.5' x 4.5'</td>
<td>6' - 8'</td>
<td>25' - 30'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ginkgo biloba 'Magyar'</td>
<td>Ginkgo 'Magyar'</td>
<td>4.5' x 4.5'</td>
<td>6' - 8'</td>
<td>25' - 30'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ginkgo biloba 'Saratoga'</td>
<td>Ginkgo 'Saratoga'</td>
<td>4.5' x 4.5'</td>
<td>6' - 8'</td>
<td>25' - 30'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Platanus acerifolia 'Bloodgood'</td>
<td>London Plane Tree</td>
<td>4'x4'</td>
<td>4' - 6'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Platanus racemosa</td>
<td>California Sycamore</td>
<td>5' x 5'</td>
<td>6' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
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<tr>
<td>Quercus agrifolia</td>
<td>Coastal Live Oak</td>
<td>5' x 5'</td>
<td>6' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Quercus fremontii</td>
<td>Forest Green Oak</td>
<td>4' x 4'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Quercus lobata</td>
<td>Valley Oak</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Quercus muehlenbergii</td>
<td>Chinkapin oak</td>
<td>5' x 5'</td>
<td>6' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
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</tr>
<tr>
<td>Quercus phellos</td>
<td>Willow oak</td>
<td>5' x 5'</td>
<td>6' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Quercus shumardii</td>
<td>Shumard Oak</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
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</tr>
<tr>
<td>Quercus suber</td>
<td>Cork Oak</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
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</tr>
<tr>
<td>Quercus virginiana</td>
<td>Southern Live Oak</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Quercus wislizenii</td>
<td>Interior Live Oak</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ulmus carpinifolia x U. parvifolia</td>
<td>Frontier elm</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ulmus parvifolia</td>
<td>Chinese Elm 'Allee'</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Zelkova serrata 'Green Vase'</td>
<td>Green Vase Zelkova</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Zelkova serrata 'Musashino'</td>
<td>Musashino Zelkova</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Zelkova serrata 'Village Green'</td>
<td>Village Green Zelkova</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>large</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
# MEDIUM TREES

## 5-foot to 8-foot Planter Area

<table>
<thead>
<tr>
<th>Scientific name</th>
<th>Tree well</th>
<th>Parkway</th>
<th>Spacing</th>
<th>Tree size</th>
<th>Street tree</th>
<th>Riparian/ Native</th>
<th>Park</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Acer buergerianum</em>&lt;br&gt;Trident Maple</td>
<td>3' X 3'</td>
<td>3' - 6'</td>
<td>25' - 30'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Koelreuteria paniculata</em>&lt;br&gt;Goldenrain</td>
<td>4.5' x 4.5'</td>
<td>4' - 6'</td>
<td>25' - 30'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Laurus nobilis 'Saratoga'</em>&lt;br&gt;Laural Saratoga</td>
<td>3' X 3'</td>
<td>3' - 6'</td>
<td>25' - 30'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Magnolia 'Vulcan'</em>&lt;br&gt;Vulcan Magnolia</td>
<td>3' x 3'</td>
<td>3' - 6'</td>
<td>15' - 20'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Magnolia 'Galaxy'</em>&lt;br&gt;Galaxy Magnolia</td>
<td>3' x 3'</td>
<td>3' - 6'</td>
<td>15' - 20'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Nyssa sylvatica 'forum'</em>&lt;br&gt;Tupelo'</td>
<td>4'x4'</td>
<td>4' - 6'</td>
<td>25' - 30'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Pistacia Chinesis</em>&lt;br&gt;Chinese Pistache</td>
<td>4'x4'</td>
<td>4' - 6'</td>
<td>25' - 30'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Pistacia Chinesis</em>&lt;br&gt;Chinese Pistache 'Keith Davey'</td>
<td>4'x4'</td>
<td>4' - 6'</td>
<td>25' - 30'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Pyrus kawakamii</em>&lt;br&gt;Evergreen Pear</td>
<td>4'x4'</td>
<td>4' - 6'</td>
<td>25' - 30'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><em>Zelkova serrata 'Wireless'</em>&lt;br&gt;Wireless zelkova</td>
<td>5' x 5'</td>
<td>5' - 8'</td>
<td>35' - 40'</td>
<td>medium</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
# SMALL TREES

## Less than 5-foot Planter Area

<table>
<thead>
<tr>
<th>Scientific name</th>
<th>Common name</th>
<th>Tree well</th>
<th>Parkway</th>
<th>Spacing</th>
<th>Tree size</th>
<th>Street tree</th>
<th>Riparian/ Native</th>
<th>Park</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Cercis canadensis</em></td>
<td>Eastern Redbud</td>
<td>3' x 3'</td>
<td>2'-4'</td>
<td>20'-30'</td>
<td>small</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td><em>Cercis mexicana</em></td>
<td>Mexicana Redbud</td>
<td>3' x 3'</td>
<td>2'-4'</td>
<td>20'-30'</td>
<td>small</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td><em>Cercis canadensis</em></td>
<td><em>'Oklahoma'</em> Eastern Redbud 'Oklahoma'</td>
<td>3' x 3'</td>
<td>2'-4'</td>
<td>20'-30'</td>
<td>small</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td><em>Lagerstroemia indica</em></td>
<td>Crape myrtle</td>
<td>3' x 3'</td>
<td>3'-6'</td>
<td>25'-30'</td>
<td>small</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td><em>Magnolia 'Rustica Rubra'</em></td>
<td>Rustica Rubran Magnolia</td>
<td>3' x 3'</td>
<td>3'-6'</td>
<td>15'-20'</td>
<td>small</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
AT GRADE DRIP LINE - EX TREE

DRIP LINE LAYOUT

X = Emitter Spacing
Y = Line Spacing

NOT TO SCALE

CITY OF REEDLEY

L-21
VINE PLANTING ON FENCE - AMENDED SOIL

EXISTING FENCE/WALL

VINE

TRAIN VINE ON FENCE WITH 24" STAKE

FERTILIZER TABS

3" MULCH

AMENDED SOIL (SEE SOILS REPORT)
BACKFILL (SEE SOILS REPORT)
NATIVE SOIL

NOT TO SCALE
1. Additional design guidance provided in bioretention technical specifications document.

2. Overflow structure required for in-line systems without overflow bypass, detail SW-140.

3. Provide spot elevations at inlets on civil plans (FE, OE, GIE, SIE). See detail SW-120.

4. Edge condition will vary for new and retrofit projects. Curb, wall, and sidewalk details may be modified for project by civil and geotechnical engineers subject to approval by the city engineer.

5. If check dams are needed, see concrete check dam detail SW-131.

6. Provide monitoring well in each facility, per bioretention technical specifications.

7. If Caltrans Class 2 permeable is not available, substitute Class 3 permeable with an overlying 3" deep layer of 3/4" (No. 4) open-graded aggregate.

8. Bioretention soil media (BSM) specification per bioretention technical specifications.

9. Planting design and irrigation per bioretention technical specifications.

10. Mulch (optional) per bioretention technical specifications.

11. Locate energy dissipation cobble only as specified in inlet details - avoid decorative use.

1. Scrape subgrade before installing bioretention area aggregate and BSM.

2. Facility excavation to allow for specified soil and mulch depths to achieve finished elevations on civil plans.

3. Compact each 6" lift of BSM with landscape roller or by lightly wetting. If wetting, allow to dry overnight before planting.

4. Do not work within bioretention area during rain or under wet conditions.

5. Keep heavy machinery outside bioretention area limits.

6. Layback slope as flat as possible until top width produces 1:1 slope & 24" bottom width. As planter gets wider maintain 1:1 slope and increase bottom width wider than 24". Alternative trench wall configurations may be proposed by the project geotechnical engineer (i.e., vertical shoring, reinforced trench sidewalk) that don't require sidewalk support from the lightly compacted BSM.
DESIGN NOTES
1. ADDITIONAL DESIGN GUIDANCE PROVIDED IN BIORETENTION TECHNICAL SPECIFICATIONS DOCUMENT.
2. OVERFLOW STRUCTURE REQUIRED FOR IN-LINE SYSTEMS WITHOUT OVERFLOW BYPASS, DETAIL SW-140.
3. PROVIDE SPOT ELEVATIONS AT INLETS ON CIVIL PLANS (FE, OE, GIE, SE). SEE DETAIL SW-121.
4. MAX. LONGITUDINAL SLOPE 6% WITH CHECK DAMS. SEE DETAILS SW-130, SW-131.
5. EDGE CONDITION WILL VARY FOR NEW AND RETROFIT PROJECTS. CURB AND SIDEWALK DETAILS MAY BE MODIFIED FOR PROJECT BY CIVIL AND GEOTECHNICAL ENGINEERS SUBJECT TO APPROVAL BY THE CITY ENGINEER.
6. PROVIDE MONITORING WELL IN EACH FACILITY, PER BIORETENTION TECHNICAL SPECIFICATIONS.
7. IF CALTRANS CLASS 2 PERMEABLE IS NOT AVAILABLE, SUBSTITUTE CLASS 3 PERMEABLE WITH AN OVERLYING 3" DEEP LAYER OF 3/4" (NO. 4) OPEN-GRATED AGGREGATE.
8. BIORETENTION SOIL MEDIA (BSM) SPECIFICATION PER BIORETENTION TECHNICAL SPECIFICATIONS.
9. PLANTING DESIGN AND IRRIGATION PER BIORETENTION TECHNICAL SPECIFICATIONS.
10. MULCH (OPTIONAL) PER BIORETENTION TECHNICAL SPECIFICATIONS.
11. LOCATE ENERGY DISSIPATION COBBLE ONLY AS SPECIFIED IN INLET DETAILS - AVOID DECORATIVE USE.

CONSTRUCTION NOTES
1. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
2. FACILITY EXCAVATION TO ALLOW FOR SPECIFIED SOIL AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
3. COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, ALLOW TO DRY OVERNIGHT BEFORE PLANTING.
4. DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
5. KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
6. LAYBACK SLOPE AS FLAT AS POSSIBLE UNTIL TOP WIDTH PRODUCES 1:1 SLOPE & 24" BOTTOM WIDTH, AS PLANTER GETS WIDER MAINTAIN 1:1 SLOPE AND INCREASE BOTTOM WIDTH WIDDER THAN 24''. ALTERNATIVE TRENCH WALL CONFIGURATIONS MAY BE PROPOSED BY THE PROJECT GEOTECHNICAL ENGINEER (I.E. VERTICAL SHORING, REINFORCED TRENCH SIDEWALL) THAT DON'T REQUIRE SIDEWALK SUPPORT FROM THE LIGHTLY COMPACTED BSM.
DESIGN NOTES
1. ADDITIONAL DESIGN GUIDANCE PROVIDED IN BIORETENTION TECHNICAL SPECIFICATIONS DOCUMENT.
2. OVERFLOW STRUCTURE REQUIRED FOR IN-LINE SYSTEMS WITHOUT OVERFLOW BYPASS, DETAIL SW-140.
3. PROVIDE SPOT ELEVATIONS AT INLETS ON CIVIL PLANS (FE, O.E, GE, SE). SEE DETAIL SW-120.
4. EDGE CONDITION WILL VARY FOR PARKING LOT PROJECTS. SEE PARKING LOT EDGE OPTIONS DETAILS, SW-114. CURB AND FLUSH EDGE DETAILS MAY BE MODIFIED FOR PROJECT BY CIVIL AND GEOENGINEERING ENGINEERS SUBJECT TO APPROVAL BY THE CITY ENGINEER.
5. IF CHECK DAMS ARE NEEDED, SEE CONCRETE CHECK DAM DETAIL SW-131.
6. PROVIDE MONITORING WELL IN EACH FACILITY, PER BIORETENTION TECHNICAL SPECIFICATIONS.
7. IF CALTRANS CLASS 2 PERMEABLE IS NOT AVAILABLE, SUBSTITUTE CLASS 3 PERMEABLE WITH AN OVERLYING 3" DEEP LAYER OF 3/4" (NO. 4) OPEN-GRADED AGGREGATE.
8. BIORETENTION SOIL MEDIA (BSM) SPECIFICATION PER BIORETENTION TECHNICAL SPECIFICATIONS.
9. PLANTING DESIGN AND IRRIGATION PER BIORETENTION TECHNICAL SPECIFICATIONS.
10. MULCH (OPTIONAL) PER BIORETENTION TECHNICAL SPECIFICATIONS.
11. LOCATE ENERGY DISSIPATION COBBLE ONLY AS SPECIFIED IN INLET DETAILS — AVOID DECORATIVE USE.

CONSTRUCTION NOTES
1. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
2. FACILITY EXCAVATION TO ALLOW FOR SPECIFIED SOIL AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
3. COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, ALLOW TO DRY OVERNIGHT BEFORE PLANTING.
4. DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
5. KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
6. LAYBACK SLOPE AS FLAT AS POSSIBLE UNTIL TOP WIDTH PRODUCES 1:1 SLOPE & 24" BOTTOM WIDTH. AS PLANTER GETS WIDER MAINTAIN 1:1 SLOPE AND INCREASE BOTTOM WIDTH WIDER THAN 24". ALTERNATIVE TRENCH WALL CONFIGURATIONS MAY BE PROPOSED BY THE PROJECT GEOENGINEERING ENGINEER (I.E. VERTICAL SHORING, REINFORCED TRENCH SIDEWALL) THAT DO NOT REQUIRE SIDEWALK SUPPORT FROM THE LIGHTLY COMPACTED BSM.
**Design Notes**

1. Additional design guidance provided in Bioretention Technical Specifications Document.
2. Overflow structure required for in-line systems without overflow bypass, detail SW-140.
3. Provide spot elevations at inlets on civil plans (FE, OE, GIE, SE). See detail SW-121.
4. Max. longitudinal slope 6% with check dams. See details SW-130, SW-131.
5. Edge condition will vary for parking lot projects. See parking lot edge options details, SW-114. Curb and flush edge details may be modified for project by civil and geotechnical engineers subject to approval by the city engineer.
6. Provide monitoring well in each facility, per Bioretention Technical Specifications.
7. If Caltrans Class 2 permeable is not available, substitute Class 3 permeable with an overlying 3" deep layer of 3/4" (No. 4) open-graded aggregate.
8. Bioretention soil media (BSM) specification per Bioretention Technical Specifications.
9. Planting design and irrigation per Bioretention Technical Specifications.
10. Mulch (optional) per Bioretention Technical Specifications.

**Construction Notes**

1. Scarify subgrade before installing Bioretention area aggregate and BSM.
2. Facility excavation to allow for specified soil and mulch depths to achieve finished elevations on civil plans.
3. Compact each 6" lift of BSM with landscape roller or by lightly wetting. If wetting, allow to dry overnight before planting.
4. Do not work within Bioretention area during rain or under wet conditions.
5. Keep heavy machinery outside Bioretention area limits.
6. Layback slope as flat as possible until top width produces 1:1 slope & 24" bottom width. As planter gets wider maintain 1:1 slope and increase bottom width wider than 24". Alternative trench wall configurations may be proposed by the project geotechnical engineer (i.e. vertical shoring, reinforced trench sidewall) that don't require sidewalk support from the lightly compacted BSM.
DESIGN NOTES
1. SPECIAL DESIGN CONSIDERATION OR STRUCTURAL REVIEW MAY BE REQUIRED FOR LONGER PLANTER WALL SPANS. STEEL REINFORCEMENT OR ADDITIONAL CONCRETE CHECK DAMS MAY BE NEEDED FOR STABILITY.
2. EDGE CONDITION WILL VARY FOR NEW AND RETROFIT PROJECTS. CURB, GUTTER, AND WALL DETAILS MAY BE MODIFIED BY CIVIL AND GEOTECHNICAL ENGINEERS SUBJECT TO APPROVAL BY CITY ENGINEER.
3. CONCRETE AND EXPANSION JOINTS SHALL MEET THE REQUIREMENTS OF THE MUNICIPALITY.

CONSTRUCTION NOTES
1. FINISH ALL EXPOSED CONCRETE SURFACES.
2. LAYBACK SLOPE AS FLAT AS POSSIBLE UNTIL TOP WIDTH Produces 1:1 SLOPE & 24" BOTTOM WIDTH. AS PLANTER GETS WIDER MAINTAIN 1:1 SLOPE AND INCREASE BOTTOM WIDTH WIDER THAN 24".
   ALTERNATIVE TRENCH WALL CONFIGURATIONS MAY BE PROPOSED BY THE PROJECT GEOTECHNICAL ENGINEER (I.E. VERTICAL SHORING, REINFORCED TRENCH SIDEWALL) THAT DON'T REQUIRE SIDEWALK SUPPORT FROM THE LIGHTLY COMPACTED BSM.
**DESIGN NOTES**

1. Special concrete and expansion joins shall meet the requirements of municipal standards.

2. Provide openings in curb (12" wide) to allow for surface drainage to bioretention areas if dedicated inlet not used. Spacing to be determined by project engineer based on design storm to minimize ponding against curb for median island application.

**CONSTRUCTION NOTES**

1. Finish all exposed concrete surfaces.

2. Layback slope as flat as possible until top width produces 1:1 slope & 24" bottom width. As planter gets wider maintain 1:1 slope and increase bottom width wider than 24". Alternative trench wall configurations may be proposed by the project geotechnical engineer (i.e. vertical shoring, reinforced trench sidewall) that don't require sidewalk support from the lightly compacted bsm.
DESIGN NOTES:
1. Special design consideration or structural review may be required for longer small edge spans. Steel reinforcement or additional concrete check dams may be needed for stability.
2. When sidewalk drains to planter, provide 4" - 6" wide notch openings, 1" below sidewalk, sloped to facility, per bioretention planter details. Space openings to convey flows. Provide minimum 2" cover between drainage notch opening and dowels.
3. Concrete and expansion joints shall meet the requirements of the City.

CONSTRUCTION NOTES:
1. Finish all exposed concrete surfaces.
2. Layback slope as flat as possible until top width produces 1:1 slope & 24" bottom width. As planter gets wider maintain 1:1 slope and increase bottom width wider than 24". Alternative trench wall configurations may be proposed by the project geotechnical engineer (i.e. vertical shoring, reinforced trench sidewall) that don't require sidewalk support from the lightly compacted BSM.
**DESIGN NOTES**

1. Special design consideration or structural review may be required for longer facility edge spans. Steel reinforcement or additional concrete check dams may be needed for stability.

2. Finished elevation reveal — where sidewalk conveys sheet flow to facility, a 1"-2" reveal should be maintained between sidewalk and facility finished grade to avoid mulch or plant buildup from blocking flows.

3. Concrete and expansion joints shall meet the requirements of the city.

**CONSTRUCTION NOTES**

1. Finish all exposed concrete surfaces.
DESIGN NOTES
1. Special design consideration or structural review may be required for longer facility edge spans. Steel reinforcement or additional concrete check dams may be needed for stability.

2. Edge condition will vary for projects. Curb details may be modified by civil and geotechnical engineers subject to approval by City Engineer.

3. Concrete and expansion joints shall meet the requirements of the City.

4. Finished elevation reveal at sidewalk - where sidewalk conveys sheet flow to facility, a 1”-2” reveal should be maintained between sidewalk and facility finished grade to avoid mulch or plant buildup from blocking flows and reduce drop at pedestrian interface.

CONSTRUCTION NOTES
1. Finish all exposed concrete surfaces.
DESIGN NOTES
1. Wheel stops may be used on non-flush designs to keep cars from overhanging bioretention facility.
2. Vehicle overhang can be used to reduce impervious pavement area.
3. Where vehicle overhang is utilized select low growing plants that will tolerate shading.
CURB CUT INLET FOR PLANTERS

DEPRESS GUTTER 2" AT OPENING, GUTTER INLET ELEVATION (GIE)

4" THICK CONCRETE SPLASH PAD
R=6"

PLAN VIEW

PERSPECTIVE VIEW

BIORETENTION DESIGN NOTES
1. FOR USE WITH STORMWATER FACILITIES WITH FLAT BOTTOMS.

2. PROVIDE SPOT ELEVATIONS ON PLANS (FE, OE, GIE, IE). SEE DETAIL SW-100.

3. CURB AND WALL DETAILS MAY BE MODIFIED BY CIVIL AND GEOTECHNICAL ENGINEERS SUBJECT TO APPROVAL BY CITY ENGINEER.

4. CURB HEIGHT MAY BE REDUCED TO 4-INCHES WHERE ADJACENT TO A SIDEWALK. SEE DETAILS SW-110 & SW-111.

CONSTRUCTION NOTES
1. AFTER CONSTRUCTION PLACE SAND BAGS AT GUTTER OPENINGS TO KEEP STORM FLOWS FROM ENTERING FACILITY UNTIL VEGETATION IS ESTABLISHED.
CURB CUT INLET
FOR SIDE SLOPES
RAIN GARDEN OR SWALE

DEPRESS CUTTER 2" AT OPENING, GUTTER INLET ELEVATION (GIE)

COBBLE ENERGY DISSIPATION

FINISHED ELEVATION (FE)
PLACE 6" DEEP 3"-6" ROUNDED, WASHED, COBBLE AT CONCRETE INLET, SEE DESIGN NOTES

DEPRESS CUTTER 2" AT OPENING

STORMWATER FACILITY

SECTION A-A

PRESENTATION DESIGN NOTES
1. FOR USE WITH STORMWATER FACILITIES WITH SIDE SLOPES.
2. PROVIDE SPOT ELEVATIONS ON PLANS (FE, OE, OIE). SEE DETAIL SW-100.
3. CURB AND WALL DETAILS MAY BE MODIFIED BY CIVIL AND GEOTECHNICAL ENGINEERS SUBJECT TO APPROVAL BY CITY ENGINEER.
4. WHERE INLET FLOW VELOCITY IS HIGH, EXTEND COBBLE INTO FACILITY, BUT AVOID EXCESSIVE USE.
5. CURB HEIGHT MAY BE REDUCED TO 4-INCHES WHERE ADJACENT TO A SIDEWALK. SEE DETAILS SW-110 & SW-111.

CONSTRUCTION NOTES
1. AFTER CONSTRUCTION PLACE SAND BAGS AT GUTTER OPENINGS TO KEEP STORM FLOWS FROM ENTERING FACILITY UNTIL VEGETATION IS ESTABLISHED.
BIORETENTION DESIGN NOTES

1. FOR USE WITH STORMWATER FACILITIES WITH SLOPED SIDES OR FLAT BOTTOMS.

2. PROVIDE SPOT ELEVATIONS ON PLANS (FE, OE, GIE, IPE). SEE DETAIL SW-100.

3. REFER TO MUNICIPAL STANDARD DRAWINGS AND MATCH GUTTER PAN OF ADJACENT CURB AND GUTTER.

4. IF SLOPED SIDES, WHERE INLET FLOW VELOCITY IS HIGH, EXTEND COBBLE INTO FACILITY, BUT AVOID EXCESSIVE USE.

5. BASE MATERIAL FOR CURB, GUTTER, AND SIDEWALK PER MUNICIPAL STANDARDS.

CONSTRUCTION NOTES

1. AFTER CONSTRUCTION PLACE SAND BAGS AT GUTTER OPENINGS TO KEEP STORM FLOWS FROM ENTERING FACILITY UNTIL VEGETATION IS ESTABLISHED.
**Bioretention Design Notes**

1. For use with stormwater facilities with sloped sides.
2. Best suited for facilities with $< \alpha < 2\%$ longitudinal slope.
3. Provide elevations and stationing and/or dimensioning for check dams.
4. Space check dams to maximize ponding across entire cell.
5. Ensure that check dam elevations do not cause stormwater to overflow to sidewalk.

**Construction Notes**

1. Do not work during rain or under wet conditions.
2. Keep all heavy machinery outside bioretention area limits.
**BIORETENTION DESIGN NOTES**

1. FOR USE WITH BIORETENTION PLANTERS OR SLOPED SIDED SWALES/RAIN GARDENS.
2. FOR CHECK DAMS LONGER THAN 12' SPECIFY REBAR OVERLAP LENGTH.
3. SPACE CHECK DAMS TO MAXIMIZE PONDING ACROSS CELLS.
4. PROVIDE ELEVATIONS AND STATIONING AND/OR DIMENSIONING FOR CHECK DAMS.
5. ENSURE THAT CHECK DAM ELEVATIONS DO NOT CAUSE STORMWATER TO OVERFLOW TO SIDEWALK.
6. SHOW PLANTER WALL EMBEDDED IN EXISTING SUBGRADE OR DRAINROCK.

**CONSTRUCTION NOTES**

1. EMBED #3 REBAR 3" INTO CURB AND PLANTER WALL.
2. DO NOT WORK DURING RAIN OR UNDER WET CONDITIONS.
3. KEEP ALL HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
**OVERFLOW STRUCTURE WITH BEEHIVE GRATE**

**DESIGN NOTES**

1. PROVIDE GRATE OVERFLOW ELEVATION ON PLANS.

2. TO INCORPORATE FLEXIBILITY INTO DESIGN OVERFLOW ELEVATION OR CORRECT ELEVATION OF AN EXISTING STRUCTURE, INSTALL OVERFLOW COLLAR, PER DETAIL SW-141.

3. IN PRIVATE SITES NOT IN CITY R/W THE PROJECT CIVIL ENGINEER MAY PROPOSE ALTERNATIVES FOR GRATE INSTALLATIONS USING ALTERNATIVE MANUFACTURER'S PRODUCT/CONFIGURATION.

**CONSTRUCTION NOTES**

1. DO NOT ADJUST OVERFLOW GRATE ELEVATION, CONSTRUCT AS SHOWN ON PLANS.
OVERFLOW STRUCTURE COLLAR

DESIGN NOTES
1. MAY BE USED IN CONJUNCTION WITH OVERFLOW STRUCTURES TO ALLOW FOR FIELD ADJUSTMENT OF OVERFLOW ELEVATION, OR AS RETROFIT TO CORRECT EXISTING STRUCTURE THAT DOES NOT ALLOW PONDING TO OCCUR.

2. PROVIDE COLLAR OVERFLOW ELEVATION (COE) ON PLANS.

3. PCC PIPE RISER EXTENSIONS MAY BE UTILIZED IN LIEU OF OVERFLOW STRUCTURE COLLAR.

CONSTRUCTION NOTES
1. CENTER COLLAR ON OVERFLOW GATE.

30° OR 36° DIA. STEEL OR RIGID PLASTIC PIPE COLLAR, OR DIA. AS NEEDED TO SURROUND EXISTING OVERFLOW STRUCTURE FOR RETROFITS.

BAICKFILL WITH CALTRANS CLASS 2 OR 3 PERMEABLE

OVERFLOW STRUCTURE

SPECIFY COLLAR OVERFLOW ELEVATION TO ACHIEVE DESIGN PONDING DEPTH (COE)

PONDING DEPTH VARIES

ADJACENT STORMWATER FACILITY PLANTING SURFACE

MIN. 10’
Trim liner to top edge of flat bar. Silicone seal top edge of flat bar. Top of liner to be 3" below soil level.

Stormwater facility

2" x 1/4" Hit anchor 12" o.c.

1/8" Mn aluminum flat bar, 2" width

HDPE or PVC 30 mil liner

Depth of liner per civil/geotechnical engineer
## Bioretention Plant List

Plants for Zone A: Periodic inundation, area ponds following storm events (6" to 12" depth for 24 - 72 hours) and compost amended sand soil.

<table>
<thead>
<tr>
<th>Scientific &amp; Common Name</th>
<th>Height/Width</th>
<th>Light Preferences</th>
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<th>Sunset Climate Zones</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Carex barbata</em> / Santa Barbara Sedge / Basket Sedge</td>
<td>1' - 2' / 1' - 2'</td>
<td>X X X</td>
<td>X</td>
<td>X</td>
<td>4 - 9, 14 - 23</td>
<td>Attracts butterflies, deer resistant, good for erosion control, can spread aggressively and should be sited carefully. Attractive blue-grey leaves. Can be mowed 4 in high to keep clean look.</td>
</tr>
<tr>
<td><em>Carex divisa</em> / Berkeley Sedge</td>
<td>1' / spreading</td>
<td>X X X</td>
<td>X</td>
<td>X</td>
<td>all, but 1A-3A</td>
<td>Attractive blue-grey leaves. Can be mowed 4 in high to keep clean look.</td>
</tr>
<tr>
<td><em>Carex flaccans</em> / Blue Sedge</td>
<td>1' / spreading</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>3A - 9, 14 - 23</td>
<td>Attractive blue-grey leaves. Can be mowed 4 in high to keep clean look.</td>
</tr>
<tr>
<td><em>Carex praegracilis</em> / California Field Sedge</td>
<td>1' / spreading</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>all, but 1A-3A</td>
<td>Mounding, drought deciduous during summer months.</td>
</tr>
<tr>
<td><em>Carex siccus</em> / San Diego sedge</td>
<td>3' - 4' / 2' - 3'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>all, but 1A-3A</td>
<td>Can handle foot traffic and is deer resistant.</td>
</tr>
<tr>
<td><em>Crambe tetragona</em> / Small Cape Rush</td>
<td>2' - 3' / 3' - 4'</td>
<td>X X X</td>
<td>X</td>
<td>X</td>
<td>all, but 1A-3A and 7</td>
<td>Needs very little maintenance. If trimmed too much plant will loose visual integrity. Tolerant of drought, poor soils, part shade and seasonal wet. Spreads by rhizomes, so nice planted in masses. Cut back annually in spring before new growth emerges.</td>
</tr>
<tr>
<td><em>Lepturus condensatus</em> 'Canyon Prince' / Canyon Prince Wild Rye</td>
<td>3' / 3'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>all, but 1A-3A</td>
<td>Easy to grow &amp; very reliable. Needs more water than <em>Juncus patens</em>..</td>
</tr>
<tr>
<td><em>Juncus effusus</em> / Common Rush</td>
<td>2' - 3' / clumping</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>all</td>
<td>Very little maintenance, handles dry summers and wet winters. Grow individually or in mass, cut back once a year, very attractive.</td>
</tr>
</tbody>
</table>
# Bioretention Plant List

Plants for Zone A: Periodic inundation, area ponds following storm events (6" to 12" depth for 24 - 72 hours) and compost amended sand soil.

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<thead>
<tr>
<th>Scientific &amp; Common Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>PERENNIALS</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Achillea millefolium californica</td>
<td>1-3'/2'</td>
<td>x x</td>
<td>x x x x x</td>
<td>all</td>
<td>10-24</td>
<td>Tolerates regular to no watering, foot traffic attracts butterflies, stress deciduous.</td>
</tr>
<tr>
<td>Yarrow</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Anechopis californica</td>
<td>1-2'/spreading</td>
<td>x x</td>
<td>x x x x x</td>
<td>all, but 1A-3A</td>
<td>10-24</td>
<td>Mat forming ground cover, interesting white flowers, prune back in late summer, likes moist conditions.</td>
</tr>
<tr>
<td>Yerba Marisa</td>
<td></td>
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</tr>
<tr>
<td>Bisens bicolor</td>
<td>2-3'/1-2'</td>
<td>x</td>
<td>x</td>
<td>all but 1A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joaquin Sunflower</td>
<td></td>
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</tr>
<tr>
<td>Callicarpa criptophylla</td>
<td>1-3'/1-3'</td>
<td>x</td>
<td>x</td>
<td>10-24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fairy Duster</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Epipactis gigantea</td>
<td>1-2'/2-3'</td>
<td>x</td>
<td>x</td>
<td>all</td>
<td>10-24</td>
<td>Very attractive 1-2 inch pink flowers, little water after established, semi-evergreen, attracts butterflies and hummingbirds.</td>
</tr>
<tr>
<td>Stream Orchid</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10-24</td>
<td></td>
</tr>
<tr>
<td>Eschscholzia californica</td>
<td>1-3'/1-3'</td>
<td>x</td>
<td>x</td>
<td>all</td>
<td></td>
<td>Can handle periodic inundation, cut back yearly to prevent it from becoming weedy.</td>
</tr>
<tr>
<td>California Poppy</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Iris douglasiana</td>
<td>1-2'/spreading</td>
<td>x x</td>
<td>x</td>
<td>all, but 1A-3A</td>
<td>10-24</td>
<td>Needs moisture or shade inland, does well on coast, evergreen leaves, attractive lavender-blue flowers in Spring.</td>
</tr>
<tr>
<td>Douglas Iris</td>
<td></td>
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</tr>
<tr>
<td>Lilium purpurum</td>
<td>3-8'/6'</td>
<td>x</td>
<td>x</td>
<td>2-7, 14-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leopard Lily</td>
<td></td>
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</tr>
<tr>
<td>Lobelia cardinalis</td>
<td>2-3'/2'</td>
<td>x x x x</td>
<td>x</td>
<td>all but 1A</td>
<td>1-7, 14-17</td>
<td>A bog plant, attracts hummingbirds, showy scarlet flowers.</td>
</tr>
<tr>
<td>California Flower</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Mimulus cardinalis</td>
<td>1-3'/1-3'</td>
<td>x x</td>
<td>x</td>
<td>all but 1A</td>
<td>10-24</td>
<td>Year round red color with regular water, attracts hummingbirds, seeds itself &amp; should not be used for small spaces.</td>
</tr>
<tr>
<td>Scarlet Monkey Flower</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Mimulus guttatus</td>
<td>1-3'/1-3'</td>
<td>x x</td>
<td>x</td>
<td>all but 1A</td>
<td>10-24</td>
<td>Yellow flowers are abundant in spring-summer, attracts butterflies, will die back in drought and come back following year.</td>
</tr>
<tr>
<td>Soap Monkey Flower</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Rhus heckie california</td>
<td>2-5'/1-2'</td>
<td>x</td>
<td>x</td>
<td>all, but 1A-3A</td>
<td>10-24</td>
<td>Very attractive foliage and flowers, fragrant, attracts hummingbirds, deer resistant, likes to grow in understory of trees.</td>
</tr>
<tr>
<td>California Dandelion</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Salvia splendens</td>
<td>1-3'/spreading</td>
<td>X</td>
<td>X</td>
<td>all, but 1A-3A</td>
<td>10-24</td>
<td>Requires little to no maintenance. Summer dormant, will come back during wetter months on its own. Can irrigate to prolong flowering.</td>
</tr>
<tr>
<td>Hummingbird Sage</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Sisyrinchum bellitum</td>
<td>6'/1'6'/6'-1</td>
<td>x</td>
<td>x</td>
<td>all, but 1A-3A</td>
<td>10-24</td>
<td>Attracts beneficial insects and butterflies. Attractive yellow flowering inflorescences in summer and fall. Dormant in winter, cut back to ground.</td>
</tr>
<tr>
<td>Blue-Eyed Grass</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Solidago californica</td>
<td>1-3'/2-3'</td>
<td>x x x x</td>
<td>x</td>
<td>all but 24</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


Prepared by the Central Coast Low Impact Development Initiative [www.centralcoastlidi.org](http://www.centralcoastlidi.org)
# Bioretention Plant List
Plants for Zone A: Periodic inundation, area ponds following storm events (5' to 12' depth for 24 - 72 hours) and compost amended sand soil.

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<td><strong>SHEATHS/SHRUBS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baccharis pilularis 'Catalina' Island California Fuchsia</td>
<td>1' - 3' / 2 - 3'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A</td>
<td>Adaptable evergreen shrub, provides quick cover and bank stabilization, tolerant of coastal conditions, alkaline soil, sand, clay and seasonal wet, dwarf (low growing) varieties available. Likes moisture but will survive through drought, attractive red flowers that hummingbirds like. This species is hardier and flowers last longer.</td>
</tr>
<tr>
<td>Zauschneria californica 'Uvas Canyon' San Jose California Fuchsia</td>
<td>2' - 3' / spreading</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A</td>
<td>Grey foliage, attractive red-orange flowers, very showy in late fall. Fall run with regular watering or along coast. Can be mowed to look like lawn.</td>
</tr>
<tr>
<td><strong>LARGE SHRUBS/TREES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arctostaphylos californica California Buckeye</td>
<td>15'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A-2A</td>
<td>Small tree that has fragrant white panicles April - May. Needs regular water for the first 2 years. Interesting form throughout all seasons. Good for native bee population.</td>
</tr>
<tr>
<td>Amorpha californica California False Indigo Bush</td>
<td>6' / spreading</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A-3A</td>
<td>Large shrub, with fragrant purple flowers. Needs no water after established. Provides larval food for California State butterfly.</td>
</tr>
<tr>
<td>Cercis occidentalis Western Redbud</td>
<td>3' - 16' / 3 - 16'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A</td>
<td>Needs winter chill to set flowers properly. Abundant amount of flowering purple-pink flowers in spring. Can be pruned to tree or left as shrub.</td>
</tr>
<tr>
<td>Cornus californica California Dogwood</td>
<td>3' - 10' / 3 - 10'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A-3A</td>
<td>Attractive red branching stems with red deciduous leaves in winter. Good for erosion control. Showy white blooms in spring.</td>
</tr>
<tr>
<td>Fraxinus velutina 'James Roof' Silk Tassel</td>
<td>10' - 15'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A-3A</td>
<td>Drought tolerant where rainfall exceeds 20.&quot; Evergreen shrub - tree with hanging white catkins.</td>
</tr>
<tr>
<td>Sambucus mexicana Tapirio, Blue Elderberry</td>
<td>6' - 15'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A</td>
<td>Deciduous shrub that can be pruned to a tree. Can handle extreme drought after first year. Needs maintenance to upkeep appearance. Attractive yellow flowers and edible blue berries. Great for ecosystem rehabilitation.</td>
</tr>
<tr>
<td>Spiraea douglasii Western Spirea</td>
<td>4' - 5'</td>
<td>X X</td>
<td>X</td>
<td>X</td>
<td>All but 1A</td>
<td>Deciduous shrub, fast growing. Attractive pink clustered flowers summer to early fall. Drought tolerant once established. Very adaptable.</td>
</tr>
</tbody>
</table>


Prepared by the Central Coast Low Impact Development Initiative [www.centralcoastlidl.org](http://www.centralcoastlidl.org)
Varying slope and ponding levels: This bioretention planting area has sloped edges. Plants in the bottom area will be inundated during storms (Zone A). Those planted on the sideslopes are above the level of ponding, but will experience seasonally wet conditions (Zone B).

Uniform surface grade: This stormwater planter has a flat bottom with consistent depth of ponding across the structure. All of the plants selected for this design must be tolerant of periodic inundation (Zone A).
LEGEND:

--- PREFERRED PLACEMENT

↑ PERMISSIVE SIGNAL INDICATION

⊙ LUMINAIRE (SAFETY LIGHT)

TRAFFIC SIGNAL HEAD LOCATIONS
2 THROUGH LINES ONLY

CITY OF REEDLEY

REVISIONS:
MAY 2016

DRAWN BY: kjp
LEGEND:

--- PREFERRED PLACEMENT

PERMISSIVE SIGNAL INDICATION

PROTECTED LEFT TURN SIGNAL INDICATION

☉ LUMINAIRE (SAFETY LIGHT)

TRAFFIC SIGNAL HEAD
LOCATIONS
1 THROUGH LANE & SEPARATE
PROTECTED LEFT TURN LANE

CITY OF REEDLEY

TS-1A

REVISIONS:
MAY 2016

DRAWN BY: kjp
TRAFFIC SIGNAL HEAD LOCATIONS
2 THROUGH LANES WITH UNPROTECTED LEFT TURN LANE

LEGEND:

--- PREFERRED PLACEMENT

PERMISSIVE SIGNAL INDICATION

⊙ LUMINAIRE (SAFETY LIGHT)

CITY OF REEDLEY

TS-1B
TRAFFIC SIGNAL HEAD LOCATIONS
2 THROUGH Lanes WITH PROTECTED LEFT TURN LANE

NOT TO SCALE

LEGEND:

--- PREFERRED PLACEMENT

PERMISSIVE SIGNAL INDICATION

PROTECTED LEFT-TURN SIGNAL INDICATION

☐ LUMINAIRE (SAFETY LIGHT)

CITY OF REEDLEY

TS-1C

REVISIONS:
MAY 2016

DRAWN BY: kjp
LEGEND:

- - - PREFERRED PLACEMENT

| PERMISSIVE SIGNAL INDICATION |

| PROTECTED LEFT–TURN SIGNAL INDICATION |

| LUMINAIRE (SAFETY LIGHT) |
LEGEND:

- - - PREFERRED PLACEMENT

PERMISSIVE SIGNAL INDICATION

PROTECTED LEFT-TURN SIGNAL INDICATION

☐ LUMINAIRE (SAFETY LIGHT)

TRAFFIC SIGNAL HEAD LOCATIONS
2 THROUGH LANES WITH 2 PROTECTED LEFT TURN LANE

CITY OF REEDLEY

TS-1E
TRAFFIC SIGNAL HEAD
LOCATIONS
3 THROUGH LANES WITH
2 PROTECTED LEFT TURN LANE

NOT TO SCALE

REVISIONS:
MAY 2016

CITY OF REEDLEY

TS-1F

LEGEND:

--- PREFERRED PLACEMENT

PERMISSIVE SIGNAL INDICATION

PROTECTED LEFT-TURN SIGNAL INDICATION

LUMINAIRE (SAFETY LIGHT)
1. 3/4" PVC SCH.40 CONDULET. COVER SHALL BE ON TOP (TYP).
2. 3/4" PVC SCH.40 CONDUIT & LARGE RADIUS ELS.
3. SUPPLY & INSTALL BUSHINGS ON ALL CONDUITS.
4. PER STD. SPECS, PULL BOX No.6 W/EXT. OR AS NOTED ON PLANS.
5. TWIST CONDUCTORS 2 TURNS PER FOOT FROM CONDULET TO PULL BOX IN ALL PVC LEAD-IN CONDUITS.
VEHICLE TERMINAL COMPARTMENT

TYPICAL CORNER CONNECTIONS

NOTES:
1. INSTALL SINGLE CONDUCTOR COLOR CODED #14 THWN COPPER WIRE BETWEEN TERMINAL STRIP & EACH SIGNAL ASSEMBLY & CONNECT.
2. THE CABLES THAT COMprise A SIGNAL PHASE SHALL HAVE AN IDENTIFICATION BAND PLACED NEAR THE END OF TERMINATION POINTS & IN EVERY PULL BOX. THE IDENTIFICATION BAND SHALL BE A 3/8" PLASTIC STRIP & INSTALLED WITH NON-FERROUS PERMANENT FASTENER. ALL CABLES SHALL BE LABELED PER PHASING SHOWN ON PLANS.

VEHICLE SIGNAL TERMINAL LOCATION

REVISIONS:
MAY 2016

CITY OF REEDLEY

TS-3
NOTES:

1. INSTALL SINGLE CONDUCTOR COLOR CODED #14 THWN COPPER WIRE BETWEEN TERMINAL STRIP & EACH SIGNAL ASSEMBLY & CONNECT.

2. THE CABLES THAT COMPRISE A SIGNAL PHASE SHALL HAVE AN IDENTIFICATION BAND PLACED NEAR THE END OF TERMINATION POINTS & IN EVERY PULL BOX. THE IDENTIFICATION BAND SHALL BE A 3/8" PLASTIC STRIP & INSTALLED WITH NON-FERROUS PERMANENT FASTENER. ALL CABLES SHALL BE LABELED PER PHASING SHOWN ON PLANS.
NOTES:
1. PEDESTRIAN PUSH BUTTONS ON SEPARATE POSTS WHERE REQUIRED. PPB SHALL BE MOUNTED ON "PEDESTRIAN PUSH BUTTON POST" PER CALTRANS STD. DWG ES-7A, DO NOT USE "COMBINED" POST UNLESS SPECIFIED.
2. SIGNAL STANDARD SHALL BE USED FOR PEDESTRIAN PUSH BUTTONS WITHIN 5 FEET FROM THE CROSSWALK AREA. IF STANDARD IS MORE THAN 5 FEET FROM A CROSSWALK, A PPB SHALL BE INSTALLED AS SHOWN ON PLANS.
3. PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON CROSSWALK SIDE OF STANDARD OR POST.
4. CROSSWALK AREA OF THE SIDEWALK SHOULD BE KEPT CLEAR OF POLES.
5. WHERE CURB RETURN RADIUS EXCEEDS 10 FEET, SIGNAL FACES SHOULD BE SPLIT OR LOCATED ON SEPARATE STANDARDS SO THAT GOOD VISIBILITY OF RIGHT AND FAR LEFT SIGNALS ARE PROVIDED FOR ALL APPROACHES.
6. MAINTAIN A MINIMUM CLEAR SIDEWALK WIDTH OF 48 INCHES FOR WHEELCHAIRS.
7. CURB RETURNS WITH A RADIUS OF LESS THAN 15 FEET: LINE UP OUTSIDE EDGE OF INNER CROSSWALK LINE WITH FACE OF CURB.
8. CURB RETURNS WITH A RADIUS OF 15 FEET OR MORE: LOCATE CENTER OF CURB RETURN, MEASURE 4 FEET TOWARDS CENTER OF INTERSECTION TO LOCATE CONTROL POINT. LINE UP THE CROSSWALK WITH THE CONTROL POINT AS INDICATED ABOVE.

NOT TO SCALE

TRAFFIC SIGNAL INSTALLATION

CITY OF REEDLEY

REVISIONS:
MAY 2016

DRAWN BY: kjp

TS-5
NOTES:

1. PEDESTRIAN PUSH BUTTONS ON SEPARATE POSTS WHERE REQUIRED. PPB SHALL BE MOUNTED ON "PEDESTRIAN PUSH BUTTON POST" PER CALTRANS STD. DWG ES-7A. DO NOT USE "COMBINED" POST UNLESS SPECIFIED.

2. SIGNAL STANDARD SHALL BE USED FOR PEDESTRIAN PUSH BUTTONS WITHIN 5 FEET FROM THE CROSSWALK AREA. IF STANDARD IS MORE THAN 5 FEET FROM A CROSSWALK, A PPB SHALL BE INSTALLED AS SHOWN ON PLANS.

3. PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON CROSSWALK SIDE OF STANDARD OR POST.

4. CROSSWALK AREA OF THE SIDEWALK SHOULD BE KEPT CLEAR OF POLES.

5. WHERE CURB RETURN RADIUS EXCEEDS 10 FEET, SIGNAL FACES SHOULD BE SPLIT OR LOCATED ON SEPARATE STANDARDS SO THAT GOOD VISIBILITY OF RIGHT AND FAR LEFT SIGNALS ARE PROVIDED FOR ALL APPROACHES.

6. MAINTAIN A MINIMUM CLEAR SIDEWALK WIDTH OF 48 INCHES FOR WHEELCHAIRS.

LEGEND:

- Vehicle Signal Head
- Vehicle Signal Head with Backplate
- Vehicle Signal Head with Arrows
- Pedestrian Signal Head
- Luminaire
- PPB Pedestrian Push Button
- PPB on Post

NOT TO SCALE