



CITY OF RIVERBANK
**REGULAR CITY COUNCIL AND THE
LOCAL REDEVELOPMENT AUTHORITY BOARD
MEETINGS**

(The City Council also serves as the LRA Board)
City Hall North • Council Chambers
6707 Third Street • Suite B • Riverbank • CA • 95367

AGENDA

TUESDAY, FEBRUARY 13, 2018– 6:00 P.M.

(THE AGENDA PACKET IS POSTED AT THE CITY CLERK'S OFFICE AND AT WWW.RIVERBANK.ORG)

- CALL TO ORDER:** Mayor/Chair Richard D. O'Brien
- FLAG SALUTE:** Mayor/Chair Richard D. O'Brien
- INVOCATION:** Riverbank Ministerial Association
- ROLL CALL:** Mayor/Chair Richard D. O'Brien
Vice Mayor/Chair Darlene Barber-Martinez (CM-District 4)
Council/Authority Member District 2 Cindy Fosi
Council/Authority Member Cal Campbell
Council/Authority Member Leanne Jones

CHANGES TO THE AGENDA: Mayor/Chair Richard D. O'Brien

CONFLICT OF INTEREST

Any Council/Authority Member or Staff who has a direct Conflict of Interest on any scheduled agenda item to be considered is to declare their conflict at this time.
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1. PRESENTATIONS There are no presentations.

2. PUBLIC COMMENTS (No Action Can Be Taken)

At this time, members of the public may comment on any item not appearing on the agenda, and within the subject matter jurisdiction of the City Council/LRA Board. Individual comments will be limited to a **maximum of 5 minutes** per person and each person may speak once during this time; time cannot be yielded to another person. Under State Law, matters presented during the public comment period cannot be discussed or acted upon. For record purposes, state your name and City of residence. Please make your comments directly to the City Council/LRA Board.

3. CONSENT CALENDAR

All items listed on the Consent Calendar are to be acted upon by a single action of the City Council/LRA Board unless requested by an individual Council/Authority Member or member of the public for special consideration. Otherwise, the recommendation of staff will be accepted and acted upon by motion of the City Council/LRA Board.

Item 3.A: Waive Readings. All Readings of ordinances and resolutions, except by title, are waived.

Item 3.B: Approval of the December 12, 2017, City Council and Local Redevelopment Authority Minutes.

Item 3.B-1: Approval of the January 9, 2018, City Council and Local Redevelopment Authority Minutes.

Item 3.B-2: Approval of the January 17, 2018, Special City Council Minutes.

Item 3.B-3: Approval of the January 23, 2018, City Council and Local Redevelopment Authority Minutes.

Item 3.C: A **Resolution** Approving the Appointment of Alternate Planning Commissioner Melissa Hughes to the Primary Seat Vacated by Planning Commissioner Larry King for Completion of the Unexpired Four-Year Term Ending December 31, 2019.

Item 3.D: Public Works Construction Standards: A **Resolution** to Replace in its Entirety CITY OF RIVERBANK STANDARD SPECIFICATIONS – Design Standards and Standard Plans for Section 5 - Water and add Section 9 – TRASH ENCLOSURE with new specifications and drawings.

Recommendation: It is recommended that City Council/LRA Board approve the Consent Calendar items by roll call vote.

4. UNFINISHED BUSINESS There are no items to consider.

5. PUBLIC HEARINGS There are no items to consider.

6. NEW BUSINESS

Item 6.1: **Riverbank Cheese & Wine Festival Evaluation** – It is recommended that the City Council review the evaluation of the Riverbank Cheese & Wine Festival and provide direction to staff.

Item 6.2: **Consideration of City Council Appointments to Intergovernmental Boards and Committees and City Council/LRA Appointments to Internal City Committees for the Year 2018** – It is recommended that the City Council / Local Redevelopment Authority Board:

- 1) review the appointment lists; and
- 2) volunteer or nominate a member of the City Council/LRA to serve as the representative; and
- 3) by roll call vote, ratify the appointments for the year 2018.

Item 6.3: **Adjustments to 2018 City Council Meeting Schedule** – It is recommended that the City Council:

- 1) Cancel the meetings of July 10, November 27, and December 25, for a modified summer schedule and to minimize conflicts with Holiday activities.

7. COMMENTS/REPORTS

A brief report on notable attendance of a meeting or conference or other notable topics of business shall be made. The Brown Act does not allow for discussion or action by the City Council.

Item 7.1: Staff

Item 7.2: Council/Authority Member

Item 7.3: Mayor/Chair

8. CLOSED SESSION

The public will have a limit of 5 minutes to comment on Closed Session item(s) as set forth on the agenda prior to the City Council/LRA Board adjourning to Closed Session.

LRA Item 8.1: **CONFERENCE WITH REAL PROPERTY NEGOTIATORS**

Pursuant to Government Code Section 54956.8

Property: 062-031-005, 062-031-006, 062-031-007

Agency Negotiator: Sean Scully, City Manager

Property Negotiator: US Army

Item 8.2: **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION**
Significant exposure to litigation pursuant to subdivision (b) of Government Code § 54956.9: (3) potential cases

9. REPORT FROM CLOSED SESSION

LRA Item 9.1: Report from Closed Session Item LRA Item 8.1: **CONFERENCE WITH REAL PROPERTY NEGOTIATORS**

Item 9.2: Report from Closed Session Item 8.2: **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION:** (3) potential cases

ADJOURNMENT (The next regular City Council meeting – Tuesday, Feb. 27 @ 6:pm)

AFFIDAVIT OF POSTING

I hereby certify under penalty of perjury, under the laws of the State of California that the foregoing agenda was posted 72 hours prior to the meeting in accordance to the Brown Act.

Posted this 8th day of February, 2018

/s/Annabelle H. Aguilar, CMC, City Clerk /LRA Recorder

Notice Regarding Americans with Disabilities Act: In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk's Office at (209) 863-7122 or cityclerk@riverbank.org. Notification (72) hours before the meeting will enable the City to make reasonable arrangements to ensure any special needs are met. [28 CFR 35.102-35.104 ADA Title II].

Notice Regarding Non-English Speakers: Pursuant to California Constitution Article III, Section IV, establishing English as the official language for the State of California, and in accordance with California Code of Civil Procedures Section 185, which requires proceedings before any State Court to be in English, notice is hereby given that all proceedings before the City of Riverbank City Council/LRA Board shall be in English and anyone wishing to address the Council is required to have a translator present who will take an oath to make an accurate translation from any language not English into the English language.

GENERAL INFORMATION

Meeting Schedule	The City Council Members also serve as the LRA Board Members. The Riverbank City Council/LRA Board meets in the City Hall North Council Chambers. Regular City Council meetings are held on the 2nd and 4th Tuesdays of each month at 6:00 p.m. The Local Redevelopment Authority Board meets on an "as needed" basis. Meetings are held as indicated, unless otherwise noticed.
City Council / LRA Agenda & Reports	The City Council/LRA Board agenda is posted pursuant to the California Brown Act, which only requires these agenda title pages to be posted near the entrance of the location where the meeting is to be held and, when available, on the City's website. Additional documents may be provided by the City in its efforts of transparency to keep the public well informed. The agenda packet (agenda plus supporting documents) are posted for public review at the City Clerk's Office, 6707 Third Street, Riverbank, CA and at www.riverbank.org upon distribution to a majority of the City Council/LRA Board. A subscription to receive the agenda can be purchased for a nominal fee through the City Clerk's Office.
Public Hearings	In general, a public hearing is an open consideration within a regular meeting of the City Council or a meeting of the LRA, for which special notice has been given and may be required. During a specified portion of the hearing, any resident or concerned individual is invited to present protests or offer support for the subject under consideration.
Televised / Video of Meetings	City Council/LRA meetings are televised on Charter Channel 2 and AT&T Uverse Channel 99. Video of the meeting and the schedule of replays may be seen on the City's website, under the "Action 2" Icon. (Note: Technical difficulty occurs on occasion preventing the televising or recording of the meeting.)
Questions	Contact the City Clerk at (209) 863-7122 or aguilar@riverbank.org

RIVERBANK CITY COUNCIL / LRA AGENDA ITEM NO. 3.A

SECTION 3: CONSENT CALENDAR

Meeting Date:	February 13, 2018
Subject:	Waiver of Readings
From:	Sean Scully, City Manager
Submitted by:	Annabelle Aguilar, CMC, City Clerk / LRA Recorder

RECOMMENDATION

It is recommended that the City Council / LRA Board approve the waiver of readings of Ordinances and Resolutions, except by title.

SUMMARY

The approval of the waiver of readings will allow Ordinances and Resolutions to be introduced by title only and acted upon without the need to read the entire text of the item into the public record. The documents related to proposed Ordinances and Resolutions are available for review by the public on the City's website and in the City Clerk's office at City Hall (North).

FINANCIAL IMPACT

There is no financial impact to this item.

ATTACHMENTS

There are no attachments to this report.

**RIVERBANK CITY COUNCIL / LOCAL REDEVELOPMENT AUTHORITY
AGENDA ITEM NO. 3.B**

SECTION 3: CONSENT CALENDAR

Meeting Date:	February 13, 2018
Subject:	Approval of the December 12, 2017, City Council and Local Redevelopment Authority Minutes
From:	Sean Scully, City Manager
Submitted by:	Annabelle Aguilar, CMC, City Clerk / LRA Recorder

RECOMMENDATION

It is recommended that the City Council / Local Redevelopment Authority Board approve the City Council /LRA Meeting Minutes as presented.

SUMMARY

The Draft Minutes of the December 12, 2017, regular City Council and the Local Redevelopment Authority Board meetings have been prepared for review and approval.

FINANCIAL IMPACT

There is no financial impact to this item.

ATTACHMENT

1. December 12, 2017, City Council and LRA Minutes



**City of Riverbank
REGULAR CITY COUNCIL AND
LOCAL REDEVELOPMENT AUTHORITY BOARD**
(The City Council also serves as the LRA Board)

**MINUTES OF
TUESDAY, DECEMBER 12, 2017**

Verbatim proceedings of the meetings may be viewed on-line or a copy may be provided for a fee.

CALL TO ORDER:

The City Council and Local Redevelopment Authority Board of the City of Riverbank met at 6:00 p.m. on this date at the Riverbank City Council Chambers, 6707 Third Street, Suite B, Riverbank, California, with Mayor/Chair Richard D. O'Brien presiding.

FLAG SALUTE:

Mayor/Chair Richard D. O'Brien

INVOCATION:

Reverend Charles Neal, Riverbank Ministerial Association

ROLL CALL:

Present

Mayor/Chair Richard D. O'Brien
Vice Mayor/Chair Leanne Jones Cruz
Council/Authority Member District 2 Cindy Fosi
Council/Authority Member District 4 Darlene Barber-Martinez
Council/Authority Member Cal Campbell

AGENDA CHANGES: Mayor/Chair Richard D. O'Brien – *There were no changes.*

CONFLICT OF INTEREST

Any Council/Authority Member or Staff who has a direct Conflict of Interest on any scheduled agenda item to be considered is to declare their conflict at this time.

No one declared a conflict.

1. PRESENTATIONS

There were no presentations.

2. PUBLIC COMMENTS (No Action Can Be Taken)

At this time, members of the public may comment on any item not appearing on the agenda, and within the subject matter jurisdiction of the City Council/LRA Board. Individual comments will be limited to a **maximum of 5 minutes** per person and each person may speak once during this time; time cannot be yielded to another person. Under State Law, matters presented during the public comment period cannot be discussed or acted upon. For record purposes, state your name and City of residence. Please make your comments directly to the City Council/LRA Board.

No one spoke.

3. CONSENT CALENDAR

All items listed on the Consent Calendar are to be acted upon by a single action of the City Council/LRA Board unless otherwise requested by an individual Council/Authority Member for special consideration. Otherwise, the recommendation of staff will be accepted and acted upon by roll call vote.

Item 3.A: Waive Readings. All Readings of ordinances and resolutions, except by title, are waived.

Item 3.B: Approval of the November 14, 2017, City Council and Local Redevelopment Authority Minutes.

Item 3.B-1: Approval of the November 28, 2017, City Council and Local Redevelopment Authority Minutes.

Item 3.C: Acceptance of the Slurry Seal Project 2017 Conducted by American Pavement Systems, Inc. and Authorization to File a Notice of Completion

Recommendation: It is recommended that City Council/LRA Board approve the Consent Calendar items by roll call vote.

ACTION: *By motion moved and seconded (Jones Cruz / Fosi / passed 5-0) to approve Consent Calendar Items 3.A through 3.C as presented. Motion carried by unanimous City Council and LRA Board roll call vote.*

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor/Chair O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

4. UNFINISHED BUSINESS

Item 4.1: Second Reading by Title Only and Adoption of Proposed Ordinance No. 2017-011 Approving the Rezoning of 2.4 Acres Located at 2644 Morrill Road (APN 075-030-001) to Multiple Family Residential (R-3) Zone – It is recommended that the City Council conduct the second reading by title only of proposed Ordinance No. 2017-011, and consider its adoption by roll call vote.

*Planning and Building Manager Donna Kenney presented the staff report.
No public comments were made.*

ACTION: *By motion moved and seconded (Barber-Martinez / Campbell / passed 4-1) to approve the Rezoning of 2.4 Acres Located at 2644 Morrill Road (APN 075-030-001) to Multiple Family Residential (R-3) Zone by adoption of Ordinance [No. 2017-11] as presented.*

Motion carried by City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, and Mayor O'Brien

NAYS: Vice Mayor Jones Cruz / ABSENT: None / ABSTAINED: None

5. PUBLIC HEARINGS

The public notices for Item 5.1 and 5.2 were published in the Riverbank News on November 29, 2017.

Item 5.1: **The First Reading by Title Only and Introduction of a Proposed Ordinance [No. 2018-001] Approving Development Agreement No. 01-2017 By and Between the City of Riverbank and Pacafi Cooperative, Inc., a California Cooperative Corporation Doing Business as Flavors, for a Commercial Cannabis Dispensary** – It is recommended that the City Council conduct the public hearing for the first reading and introduction of the proposed ordinance and consider its approval, which will initiate the second reading by title only at January 9, 2018, regular City Council meeting or soon thereafter to consider its adoption. At a Planning Commission Public Hearing on November 21, 2017, the Commission voted 3-1 to recommend adoption of the proposed ordinance.

Planning and Building Manager Donna Kenney presented the staff report.

Mayor O'Brien made a statement on the matter of the process of City regulation and control.

Mayor O'Brien opened the public hearing at 6:18 p.m.

- *Comments in opposition of the dispensary's location were made by: Mr. Reggie Kumar (Riverbank business operator), and Riverbank residents Mr. Vincent Mangiapane, Mr. Richard Holmer, Ms. Annabel Gammon, Mr. Charles Neal, Mr. Arthur Hidalgo, Mr. Kevin Bell, Ms. Maria Bobadilla, Mr. Shane Hulin (Assistant. Principle of Sinclear Elementary, Ceres, CA), Ms. Stephanie Vargas (works locally), Mr. Dennis Starwether, Ms. Leticia Hidalgo, Ms. Julie Hutchins (building owner behind location), Ms. Jody Smith, Mr. Dan Spangle, Mrs. Joan Stewart, Mr. Steven Santos (Oakdale resident) and Mr. Haskell Moore. Written comments were received by Ms. Linda Spengler.*
- *Comments made in favor of the dispensary's location were made by: Mr. Mike Warda (property owner representative), Devin Stetler (a partner of the dispensary business), and Ron Roberts, (Dispensary location property owner).*

Mayor O'Brien closed the public hearing at 7:18 p.m.

Each Member of the City Council made their comments and responses.

Nubia Goldstein, Deputy City Attorney, confirmed that the noticing requirements were met, the location is not violating the State law per the definition of proximity to a "youth center", and the Development Agreement contains three levels of enforcement mechanisms.

ACTION: *By motion moved and seconded (Campbell / Barber-Martinez / passed 5-0) to approve the first reading and introduction of the proposed Ordinance [No. 2018-001] to initiate a second reading by title and consider its adoption on January 9, 2018, as presented. Motion carried by unanimous City Council roll call vote.*

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

Item 5.2: **Consideration of:**

- 1) A Resolution [No. 2017-078] Approving the General Plan Amendment No. 01-2016 Redesignating 9.1 ± Acres to Low Density Residential (LDR) Located at 6272 Central Avenue (APN 062-021-008), a Project Known as River Run; and
- 2) The First Reading by Title Only and Introduction of a Proposed Zoning Ordinance [No. 2018-002] Amendment No. 01-2016 Approving the Rezoning of 9.1± Acres to Planned Development, Located at 6272 Central Avenue (APN 062-021-008) a Project Known as River Run; and
- 3) A Resolution [No. 2017-079] Approving the Request of R&K Lowe 1997 Revocable Trust for Tentative Map Application No. 01-2016 to Subdivide 9.1± Acres into 51 Planned Development Single Family Residential Lots.

It is recommended that the City Council consider the proposed resolutions and conduct the related public hearing for the first reading and introduction of the proposed ordinance and consider its approval, which initiates the second reading by title only at the January 9, 2018, regular City Council meeting or soon thereafter to consider its adoption. The project consists of a General Plan Amendment, a Rezone, and Tentative Map Application to subdivide approximately 9.1± acres into 51 single-family detached residential lots (overall residential density of 5.6 du/acre), one (1) drainage basin in the project, associated street, sewer, water, and storm drainage improvements. At a Planning Commission public hearing on November 21, 2017, the Commission voted 3-1 recommending approval of the proposed resolutions and adoption of the ordinance.

Planning and Building Manager Donna Kenney presented the staff report. City Council and Staff discussed the item.

Mayor O'Brien opened the public hearing at 8:00 p.m.

- *Cary Pope, Project Developer, commented on the project.*
- *Dolly Cole, property owner next to project site, spoke in opposition of the project.*

Mayor O'Brien closed the public hearing at 8:09 p.m.

Discussion ensued in regards to Ms. Cole's concerns with flooding.

Mayor O'Brien stated that before development occurred, he would like himself and City Manager Sean Scully meet with Oakdale Irrigation District Manager and the District Representative regarding the flooding issues on Central and California Avenue, and also include a discussion of a storm water regional system.

ACTION: *By motion moved and seconded (Jones Cruz / Fosi / passed 5-0) to:*

- 1. Adopt Resolution No. 2017-078 for approval the General Plan Amendment No. 01-2016 Redesignating 9.1 ± Acres to Low Density Residential (LDR) Located at 6272 Central Avenue (APN 062-021-008), a Project Known as River Run; and*
- 2. Approve the First Reading by Title Only and Introduction of Proposed Zoning Ordinance [No. 2018-002] Amendment No. 01-2016 Approving the Rezoning of 9.1± Acres to Planned Development, located at 6272 Central Avenue (APN 062-021-008) a Project known as River Run and conduct the second reading on January 9, 2018; and*
- 3. Adopt Resolution No. 2017-079 to approve the Request of R&K Lowe 1997 Revocable Trust for Tentative Map Application No. 01-2016 to Subdivide 9.1± Acres into 51 Planned Development Single Family Residential Lots, as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

Item 5.3: *A Resolution [No. 2017-080] Authorizing the Unilateral Implementation of the City's Last, Best, and Final Offer on the Riverbank Mid-Management Employees' Association – It is recommended that the City Council unilaterally implement the City's last negotiation offer, dated October 12, 2017, ("Last Offer") to the Riverbank Mid-Management Employees' Association, ("RMMEA") included as Attachment A.*

Attorney Cha Johnson of Liebert Cassidy and Whitmore presented the staff report.

Mayor O'Brien opened the public hearing at 8"26 p.m.; no one spoke, the hearing was closed.

ACTION: *By motion moved and seconded (Jones Cruz / Campbell / passed 5-0) to adopt Resolution No. 2017-080 Authorizing the Unilateral Implementation of the City's Last, Best, and Final Offer on the Riverbank Mid-Management Employees' Association as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

6. NEW BUSINESS

- Item 6.1:** **A Resolution [No. 2017-081] Approving the Appointments of John Dinan, Robert Ball, and Melissa Hughes (Alternate) to the Planning Commission, Effective January 2018** - It is recommended that the City Council fill the expiring Planning Commission seats currently held by Commissioners Scott Mc Ritchie and Anthony McKinney by:
- 1) Approving the transfer and appointment of John Dinan from the Alternate Seat to a Primary Seat (4-year term); and
 - 2) Approving applicant Robert Ball to a Primary Seat (4-year term); and
 - 3) Approving applicant Melissa Hughes to the Alternate Seat (2-year term)

City Manager Sean Scully presented the staff report.

ACTION: *By motion moved and seconded (Barber-Martinez / Jones Cruz / passed 5-0) to adopt Resolution No. 2017-081 Approving the Appointments of John Dinan, Robert Ball, and Melissa Hughes (Alternate) to the Planning Commission, Effective January 2018 as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

- Item 6.2:** **A Resolution [No. 2018-082] Approving the Appointments of Benjamin Reuben and Darlene Patrick as Primary Budget Advisory Committee Members and Wayne Mott as the Alternate Member, Effective January 1 2018, to Serve A Two-Year Term, Expiring December 31, 2019** Council to consider appointing Benjamin Reuben and Darlene Patrick as members of the Budget Advisory Committee. Additionally consider appointing Wayne Mott as an alternate member of the Budget Advisory Committee.

City Manager Sean Scully presented the staff report.

ACTION: *By motion moved and seconded (Campbell / Barber-Martinez / passed 5-0) to adopt Resolution No. 2017-082 Approving the Appointments of Benjamin Reuben and Darlene Patrick as Primary Budget Advisory Committee Members and Wayne Mott as the Alternate Member, effective January 1, 2018, to serve a Two-Year Term, Expiring December 31, 2019, as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

Item 6.3: **Consider Adoption of a Resolution [No. 2017-083] Approving the Execution of the Measure L Master Funding Agreement between the Stanislaus Council of Governments and the City of Riverbank** – It is recommended that the City of Riverbank City Council consider adoption of Resolution Approving the Execution of the Measure L Master Funding Agreement between the Stanislaus Council of Governments and the City of Riverbank.

Sean introduced the item and Community Services Administration Manager Kathleen Cleek presented the staff report.

ACTION: *By motion moved and seconded (Jones Cruz / Fosi / passed 5-0) to adopt Resolution No. 2017-083 approving the Execution of the Measure L Master Funding Agreement between the Stanislaus Council of Governments and the City of Riverbank as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

LRA Item 6.4: **Approve a Resolution [No. 2017-005] Authorizing the City Manager to Request and Execute a Supplemental Lease Amendment No. 2 to the U. S. Army Lease DACA05-1-16-516 Between the Secretary of the Army and the City of Riverbank to Extend the Interim Lease Through March 31, 2019** – It is recommended that the Local Redevelopment Authority ("LRA") Board of Directors ("Board") authorize the City Manager to provide notice to the Army of their intention to exercise an option to extend the term of the Interim Lease, and when received, execute the Supplemental Agreement No. 2 to the Army Lease DACA05-1-16-516 ("Interim Lease") and thereby extend the Interim Lease agreement through March 31,

LRA Executive Director Debbie Olson presented the staff report.

ACTION: *By motion moved and seconded (Jones Cruz / Fosi / passed 5-0) to adopt Resolution No. 20147-005 Authorizing the City Manager to Request and Execute a Supplemental Lease Amendment No. 2 to the U. S. Army Lease DACA05-1-16-516 between the Secretary of the Army and the City of Riverbank to Extend the Interim Lease through March 31, 2019, as presented.*

Motion carried by unanimous LRA Board roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Chair O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

7 COMMENTS/REPORTS

A brief report on attendance of a meeting or conference or other notable topics of business shall be made. The Brown Act does not allow for discussion or action by the City Council.

Item 7.1: Staff

- *City Manager Sean Scully announced that City Hall would be closed the entire last week of December.*

Item 7.2: Council/Authority Member

Item 7.3: Mayor/Chair

8. CLOSED SESSION

The public will have a limit of 5 minutes to comment on Closed Session item(s) as set forth on the agenda prior to the City Council/LRA Board recessing into Closed Session.

Item 8.1: **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION** Significant exposure to litigation pursuant to subdivision (b) of Government Code § 54956.9: (3) potential cases

Mayor/Chair O'Brien announced the Closed Session item and opened the item for public comment; no one spoke. The meetings were recessed and City Council went into Closed Session at 8:46 p.m.

9. REPORT FROM CLOSED SESSION

Mayor/Chair O'Brien reconvened the meetings at 9:21 p.m.

Item 9.1: Report from Closed Session Item 8.1: **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION:** (3) potential cases.

ADJOURNMENT

There being no further business, Mayor/Chair O'Brien adjourned the meetings at 9:22 p.m.

ATTEST: (Adopted 02/13/2018)

APPROVED:

Marisela Garcia
Asst. City Manager/Dir. of Finance
Recorder

Richard D. O'Brien
Mayor / Chair

**RIVERBANK CITY COUNCIL / LOCAL REDEVELOPMENT AUTHORITY
AGENDA ITEM NO. 3.B-1**

SECTION 3: CONSENT CALENDAR

Meeting Date:	February 13, 2018
Subject:	Approval of the January 9, 2018, City Council and Local Redevelopment Authority Minutes
From:	Sean Scully, City Manager
Submitted by:	Annabelle Aguilar, CMC, City Clerk / LRA Recorder

RECOMMENDATION

It is recommended that the City Council / Local Redevelopment Authority Board approve the City Council /LRA Meeting Minutes as presented.

SUMMARY

The Draft Minutes of the January 9, 2018, regular City Council and the Local Redevelopment Authority Board meetings have been prepared for review and approval.

FINANCIAL IMPACT

There is no financial impact to this item.

ATTACHMENT

1. January 9, 2018, City Council and LRA Minutes



**City of Riverbank
REGULAR CITY COUNCIL AND
LOCAL REDEVELOPMENT AUTHORITY BOARD**
(The City Council also serves as the LRA Board)

**MINUTES OF
TUESDAY, JANUARY 9, 2018**

Verbatim proceedings of the meetings may be viewed on-line or a copy may be provided for a fee.

CALL TO ORDER:

The City Council and Local Redevelopment Authority Board of the City of Riverbank met at 6:00 p.m. on this date at the Riverbank City Council Chambers, 6707 Third Street, Suite B, Riverbank, California, with Mayor/Chair Richard D. O'Brien presiding.

FLAG SALUTE:

Mayor/Chair Richard D. O'Brien

INVOCATION:

Reverend Charles Neal, Riverbank Ministerial Association

ROLL CALL:

Present

Mayor/Chair Richard D. O'Brien
Vice Mayor/Chair Leanne Jones Cruz
Council/Authority Member District 2 Cindy Fosi
Council/Authority Member District 4 Darlene Barber-Martinez
Council/Authority Member Cal Campbell

AGENDA CHANGES: Mayor/Chair Richard D. O'Brien – *announced that Item 6.1 would be continued; no one objected.*

CONFLICT OF INTEREST

Any Council/Authority Member or Staff who has a direct Conflict of Interest on any scheduled agenda item to be considered is to declare their conflict at this time.

No one declared a conflict.

1. PRESENTATIONS

Item 1.1: Administer the Oath of Office to Newly Appointed Planning Commissioners John Dinan and Robert Ball and Alternate Planning Commissioner Melissa Hughes.

Mayor O'Brien administered the Oath of Office and City Clerk Annabelle Aguilar presented their certificates of Appointment and Oath of Office.

2. PUBLIC COMMENTS (No Action Can Be Taken)

At this time, members of the public may comment on any item not appearing on the agenda, and within the subject matter jurisdiction of the City Council/LRA Board. Individual comments will be limited to a **maximum of 5 minutes** per person and each person may speak once during this time; time cannot be yielded to another person. Under State Law, matters presented during the public comment period cannot be discussed or acted upon. For record purposes, state your name and City of residence. Please make your comments directly to the City Council/LRA Board.

No one spoke.

3. CONSENT CALENDAR

All items listed on the Consent Calendar are to be acted upon by a single action of the City Council/LRA Board unless otherwise requested by an individual Council/Authority Member for special consideration. Otherwise, the recommendation of staff will be accepted and acted upon by roll call vote.

Item 3.A: Waive Readings. All Readings of ordinances and resolutions, except by title, are waived.

Recommendation: It is recommended that City Council/LRA Board approve the Consent Calendar items by roll call vote.

ACTION: *By motion moved and seconded (Jones Cruz / Barber-Martinez / passed 5-0) to approve Consent Calendar Items 3.A as presented; Motion carried by unanimous City Council and LRA Board roll call vote.*

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor/Chair O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

4. UNFINISHED BUSINESS

Item 4.1: **Second Reading by Title Only and Adoption of Proposed Ordinance No. 2018-001 Approving Development Agreement No. 01-2017 By and Between the City of Riverbank and Pacafi Cooperative, Inc., a California Cooperative Corporation Doing Business as Flavors, for a Commercial Cannabis Dispensary** - It is recommended that the City Council conduct the second reading by title only of proposed Ordinance No. 2018-001 and consider its adoption by roll call vote. At a Planning Commission Public Hearing held on November 21, 2017, the Commission voted 3-1 to recommend adoption of the proposed ordinance.

City Manager Sean Scully presented the staff report.

Public comments: Mr. Haskell Moore, Mrs. Annabel Gammon, Arthur Hidalgo, Ms. Leticia Lopez, and Ms. Julie Hutchens spoke in opposition of the dispensary's location. Written comments were received from Mr. William O'Brien, Annabel Gammon, Mr. Jay Pink, and

Mr. Rich Holmer in opposition of the dispensary's location. Mr. Daryl Daniels requested clarification. Mr. Devin Stetler and Mr. Mike Warda spoke in favor of the dispensary.

Members of the City Council commented on their consideration of the project.

ACTION: *By motion moved and seconded (Jones Cruz / Campbell / passed 5-0) to approve the Development Agreement No. 01-2017 By and Between the City of Riverbank and Pacafi Cooperative, Inc., a California Cooperative Corporation Doing Business as Flavors, for a Commercial Cannabis Dispensary by adoption of Ordinance No. 2018-001 as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

Item 4.2: **Second Reading by Title Only and Adoption of Proposed Ordinance No. 2018-002 for Zoning Ordinance Amendment No. 01-2016 Approving Rezoning Of 9.1± Acres to Planned Development, Located at 6272 Central Avenue (APN 062-021-008) – A Project Known As River Run** - It is recommended that the City Council conduct the second reading by title only of proposed Ordinance No. 2018-002 and consider its adoption by roll call vote. The project consists of a General Plan Amendment, a Rezone, and Tentative Map Application to subdivide approximately 9.1± acres into 51 single-family detached residential lots (overall residential density of 5.6 du/acre), one (1) drainage basin in the project, associated street, sewer, water, and storm drainage improvements. At a Planning Commission public hearing on November 21, 2017, the Commission voted 3-1 recommending approval of the related resolutions and adoption of the ordinance.

City Manager Sean Scully presented the staff report.

ACTION: *By motion moved and seconded (Jones Cruz / Barber-Martinez / passed 5-0) to approve Zoning Ordinance Amendment No. 01-2016 Approving Rezoning of 9.1± Acres to Planned Development, Located at 6272 Central Avenue (APN 062-021-008) – A Project Known As River Run by adoption of Ordinance No. 2018-002 as presented. Motion carried by City Council roll call vote.*

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / ABSENT: None / ABSTAINED: None

5. PUBLIC HEARINGS

The public notice for Item 5.1 and 5.2 was published in the Riverbank News on 12/27/2017, and sent to all property owners per the current Assessors Office Records, that are within 300 feet of the location.

Item 5.1: Public Hearing to Appeal the Planning Commission's Denial of Conditional Use Permit 05-2017, Requested by Friends and Family Association, Inc., doing business as Riverbank Cannabis Collective; and

- 1) Adopt a Resolution [No. 2018-001] Approving an Appeal Request and A Conditional Use Permit No. 05-2017 for Friends And Family Association Inc., A California Corporation Doing Business As Riverbank Cannabis Collective, to Allow for a Commercial Cannabis Dispensary to be Located at 6609 Third Street (APN: 132-011-019); or
- 2) Adopt a Resolution Denying an Appeal Request and a Conditional Use Permit No. 05-2017 for Friends And Family Association Inc., a California Corporation Doing Business As Riverbank Cannabis Collective, to Allow for a Commercial Cannabis Dispensary to be Located at 6609 Third Street (APN: 132-011-019)

It is recommended that the City Council consider the appeal of a denied Conditional Use Permit, which is part of a requested Development Agreement by and between the City of Riverbank and Friends and Family Association, Inc., a California corporation doing business as Riverbank Cannabis Collective to allow for a commercial cannabis dispensary to be located at 6609 Third Street, Riverbank.

Planning and Building Manager Donna Kenney presented the staff report.

Mayor O'Brien opened the public hearing at 7:11 p.m.

- *Gonzalo Velasco, Mr. Haskell Moore, Mrs. Annabel Gammon, Mrs. Evelyn Halbert, Mrs. Shannon Wilson, Mr. Arthur Hidalgo, Ms. Leticia Lopez Hidalgo spoke in opposition of the dispensary's location.*

Mayor O'Brien closed the public hearing at 7:40 p.m.

Mayor O'Brien, and Manager Kenney responded to comments made. Members of the City Council made further comments on the matter.

Councilmember Fosi stated that she had concerns with this type of business downtown due to [the availability] of [sufficient] parking.

ACTION: *By motion moved and seconded (Jones Cruz / Barber-Martinez / passed 4-1) to adopt Resolution No. 2018-001 Approving an Appeal Request and a Conditional Use Permit No. 05-2017 for Friends And Family Association Inc., A California Corporation Doing Business As Riverbank Cannabis Collective, to Allow for a Commercial Cannabis Dispensary to be Located at 6609 Third Street (APN: 132-011-019) as presented. Motion carried by City Council roll call vote.*

AYES: Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: Fosi / **ABSENT:** None / **ABSTAINED:** None

- Item 5.2:** **The First Reading by Title Only and Introduction of a Proposed Ordinance [No. 2018-003] Approving Development Agreement 02-2017 By and Between the City of Riverbank and Family and Friends Association, Inc., Doing Business As Riverbank Cannabis Collective, a California Cooperative Corporation, for a Commercial Cannabis Dispensary** – It is recommended that the City Council conduct the public hearing for the first reading and introduction of the proposed ordinance and consider its approval, which will initiate the second reading by title only at the January 23, 2018, regular City Council meeting or soon thereafter to consider its adoption. At the Planning Commission public hearing on December 19, 2017, the Commission considered PC Resolution 2017-027 to recommend the City Council approve the Development Agreement, and by a vote of 1-4, adoption failed. The Commission also consider PC Resolution 2017-028 to approve the related Conditional Use Permit 05-2017; a motion to deny the request passed by a vote of 4-1.

Planning and Building Manager Donna Kenney presented the staff report. City Manager Sean Scully confirmed that the development agreement is for a three-year term.

Mayor O'Brien requested that the agreement indicate that the dispensary would not be open during the Cheese and Wine Exposition or during the Christmas events; No one objected. Deputy City Attorney Doug White affirmed the conditions could be incorporated into the agreement.

Mayor O'Brien opened the public hearing at 7:54 p.m.

- *Riverbank residents Mrs. Evelyn Halbert, Ms. Jennifer Miakowa, Mr. Haskell Moore, Mrs. Annabel Gammon, Mr. Gonzales Velasco, and Ms. Jody Smith, stated their concerns.*
- *Mr. Herman Chavez, (Property owner), Kimberly Cargile (FFA Board Member), Diana Garcia (Director and CEO of FFA) and Daniel Gravelle (CFO and Director of the dispensary) spoke in favor of the dispensary.*

Mayor O'Brien closed the public hearing at 8:20 p.m.

City Council, Attorney Doug White, and Staff responded to comments and discussed the matter. The Dispensary owners responded to questions.

Councilmember Fosi stated that she would like to see how the first development agreement of a dispensary worked out; she was concerned that the City was moving too fast.

ACTION: *By motion moved and seconded (Campbell / Fosi / passed 4-1) to approve the first reading and introduction of the proposed Ordinance [No. 2018-003]] to initiate a second reading by title and consider its adoption on January 23, 2018, as presented. Motion carried by City Council roll call vote.*

AYES: Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: Fosi / **ABSENT:** None / **ABSTAINED:** None

6. NEW BUSINESS

Item 6.1: **Facility Use Fee Review for Non-Profit Groups** – It is recommended that the City Council review the cost analysis information on facility rentals and, if necessary, give staff direction on future facility rental fees for non-profit groups.

ACTION: *By motion moved and seconded (Barber-Martinez / Campbell / passed 5-0) to continue the item for consideration at the next meeting.*

Motion carried by unanimous City Council general consent vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / **ABSENT:** None / **ABSTAINED:** None

Item 6.2: **Annual Nomination and Appointment of the Vice Mayor** – It is recommended that the Mayor nominate a Councilmember to serve as Vice Mayor and the City Council, by motion for approval, ratify the appointment for a one-year term.

Mayor O'Brien nominated Councilmember Barber-Martinez to serve as Vice Mayor for the year 2018, and thanked Vice Mayor Jones Cruz for her service.

ACTION: *By motion moved and seconded (O'Brien / Campbell / passed 5-0) to appoint Councilmember Barber-Martinez as Vice Mayor for the year of 2018.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Barber-Martinez, Campbell, Jones Cruz, and Mayor O'Brien

NAYS: None / **ABSENT:** None / **ABSTAINED:** None

7 COMMENTS/REPORTS

A brief report on attendance of a meeting or conference or other notable topics of business shall be made. The Brown Act does not allow for discussion or action by the City Council.

Item 7.1: Staff

- *City Manager Scully provided an update on the Diamond Bar West homes development project. Mayor O'Brien explained the City's Community Facilities District in that area.*

Item 7.2: Council/Authority Member

- *Council/Authority Member Fosi encouraged the public to contact her on Facebook.*

- *Council/Authority Member Campbell thanked everyone for participating in the meeting and stated that the decisions made are for the whole community.*
- *Council/Authority Member Barber-Martinez thanked all the nonprofit organizations that stepped up during the holidays, and announced that the Citizen of the Year and Youth of the Year Nomination period was open.*

Item 7.3: Mayor/Chair

Mayor/Chair O'Brien reported on the Altamont Corridor Express meeting, and announced a the annual City Council and nonprofit and civic organizations meeting on January 17th.

8. CLOSED SESSION

The public will have a limit of 5 minutes to comment on Closed Session item(s) as set forth on the agenda prior to the City Council/LRA Board recessing into Closed Session.

Item 8.1: **PUBLIC EMPLOYEE PERFORMANCE EVALUATION**

Pursuant to Government Code Section 54957

Title: City Manager

Item 8.2: **CONFERENCE WITH LABOR NEGOTIATORS**

Pursuant to Government Code § 54957.6

Agency representative: Sean Scully, City Manager

Employee organizations: Miscellaneous Employees

Mid-Management Bargaining Unit

Item 8.3: **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION**

Significant exposure to litigation pursuant to subdivision (b) of Government Code § 54956.9: (3) potential cases

Mayor/Chair O'Brien announced the Closed Session Items and opened the items for public comment; no one spoke. The meetings were recessed and City Council went into Closed Session at 8:55 p.m.

9. REPORT FROM CLOSED SESSION

Mayor/Chair O'Brien reconvened the meetings at 9:41 p.m.

Item 9.1: Report from Closed Session Item 8.1: **PUBLIC EMPLOYEE PERFORMANCE EVALUATION** – City Manager

Mayor O'Brien reported that direction was provided to staff.

Item 9.2: Report from Closed Session Item 8.2: **CONFERENCE WITH LABOR NEGOTIATORS** – Miscellaneous and Mid-Management Bargaining units

Mayor O'Brien reported that direction was provided to staff.

Item 9.3: Report from Closed Session Item 8.3: **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION:** (3) potential cases

Mayor O'Brien reported that direction was provided to staff.

ADJOURNMENT

There being no further business, Mayor/Chair O'Brien adjourned the meetings at 9:42 p.m.

ATTEST: (Adopted 02/13/2018)

APPROVED:

Annabelle H. Aguilar, CMC
City Clerk / LRA Recorder

Richard D. O'Brien
Mayor / Chair

RIVERBANK CITY COUNCIL AGENDA ITEM NO. 3.B-2

SECTION 3: CONSENT CALENDAR

Meeting Date:	February 13, 2018
Subject:	Approval of the January 17, 2018, Special City Council Minutes
From:	Sean Scully, City Manager
Submitted by:	Annabelle Aguilar, CMC, City Clerk

RECOMMENDATION

It is recommended that the City Council approve the Special City Council Minutes as presented.

SUMMARY

The Draft Minutes of the January 17, 2018, Special City Council meeting have been prepared for review and approval.

FINANCIAL IMPACT

There is no financial impact to this item.

ATTACHMENT

1. January 17, 2018, Special City Council Minutes



**CITY OF RIVERBANK
SPECIAL CITY COUNCIL MEETING
MINUTES OF
WEDNESDAY, JANUARY 17, 2018**



Verbatim proceedings of the meetings may be viewed on-line or a copy may be provided for a fee.

CALL TO ORDER:

The City Council of the City of Riverbank met at 6:30 p.m. on this date at the Riverbank Community Center, 600-A Santa Fe Street, Riverbank, California, with Mayor O'Brien presiding.

ROLL CALL: Mayor Richard D. O'Brien
Present: Vice Mayor Darlene Barber-Martinez (CM-District 4)
Councilmember District 2 Cindy Fosi

Absent: Councilmember Cal Campbell
Councilmember Leanne Jones Cruz

CONFLICT OF INTEREST

Any Council Member and Staff who would have a direct Conflict of Interest on any scheduled agenda item to be considered are to declare their conflict at this time.

No one declared a conflict.

1. PUBLIC BUSINESS FROM THE FLOOR (No Action Can Be Taken)

Pursuant to Government Code in reference to a special meeting, the public has the opportunity to address the City Council only on items appearing on this special meeting notice. Individual comments are limited to a **maximum of 5 minutes** per person and each person may speak once during this time. Time cannot be yielded to another person. For record purposes, please state your name and City of residence. When speaking, please address the entire City Council.

No one spoke.

2. BUSINESS

Item 2:1 **Nonprofit and Community Partners Forum** - To encourage and develop direct communication between local nonprofits and community based organizations in Riverbank in order to build more effective working relationships and to improve community services.

2.1-A 2017 Nonprofit Activities Recap.

Everyone in attendance introduced themselves and provided activity information of their organization, accomplishments made last year, and what assistance needed to be provided.

2.1-B Update on Homelessness Services.

Discussion on: 1) the efforts of what is being done for affordable housing, 2) the various population groups (families, veterans, etc.) that exist who have various needs for assistance, 3) the existence of a rapid response team to assist the homeless in Riverbank, 4) how to provide the homeless with transportation to the facilities for serves, and 5) how the City has built a relationship and collaboration efforts with Stanislaus County to address homelessness.

2.1-C Communication and Coordination Among Nonprofits.

Mr. Carlos Verduzco volunteered to be the communications coordinator and create a group Facebook connection among the nonprofit groups to share information.

2.1-D 2018 Nonprofit Activities.

- 1) Representatives announced their organization's activities.*
- 2) A meeting was scheduled on February 15th for all nonprofit service groups to coordinate utility bill assistance services.*
- 3) A meeting was scheduled on March 15th for nonprofit service groups to spearhead homeless services.*

ADJOURNMENT

There being no further business, Mayor O'Brien adjourned the meeting at 7:55 p.m.

ATTEST: (Adopted 2/13/2018)

APPROVED:

Annabelle H. Aguilar, CMC
City Clerk

Richard D. O'Brien
Mayor

**RIVERBANK CITY COUNCIL / LOCAL REDEVELOPMENT AUTHORITY
AGENDA ITEM NO. 3.B-3**

SECTION 3: CONSENT CALENDAR

Meeting Date:	February 13, 2018
Subject:	Approval of the January 23, 2018, City Council and Local Redevelopment Authority Minutes
From:	Sean Scully, City Manager
Submitted by:	Annabelle Aguilar, CMC, City Clerk / LRA Recorder

RECOMMENDATION

It is recommended that the City Council / Local Redevelopment Authority Board approve the City Council /LRA Meeting Minutes as presented.

SUMMARY

The Draft Minutes of the January 23, 2018, regular City Council and the Local Redevelopment Authority Board meetings have been prepared for review and approval.

FINANCIAL IMPACT

There is no financial impact to this item.

ATTACHMENT

1. January 23, 2018, City Council and LRA Minutes



City of Riverbank
REGULAR CITY COUNCIL AND
LOCAL REDEVELOPMENT AUTHORITY BOARD
(The City Council also serves as the LRA Board) and
Teleconference Location
(PURSUANT TO GC § 54953(b))

MINUTES OF
TUESDAY, JANUARY 23, 2018

Verbatim proceedings of the meetings may be viewed on-line or a copy may be provided for a fee.

CALL TO ORDER:

The City Council and Local Redevelopment Authority Board of the City of Riverbank met at 6:00 p.m. on this date at the Riverbank City Council Chambers, 6707 Third Street, Suite B, Riverbank, California, with Vice Mayor Darlene Barber-Martinez presiding. Mayor/Chair Richard D. O'Brien teleconferenced in from the Capital Hilton, Potomac Room (Lobby Level) 1001 16th Street NW • Washington, DC 20036, and participated in the meeting.

FLAG SALUTE:

Vice Mayor/Chair Darlene Barber-Martinez

INVOCATION:

Pastor Fred Wood, Riverbank Ministerial Association

ROLL CALL:

Present

Vice Mayor/Chair Darlene Barber-Martinez (CM-District 4)
Mayor/Chair Richard D. O'Brien
Council/Authority Member District 2 Cindy Fosi
Council/Authority Member Cal Campbell
Council/Authority Member Leanne Jones Cruz

For the record, Vice Mayor/Chair Barber-Martinez asked Mayor O'Brien a few questions to establish compliance with Government Code Section 54953(b) for teleconferencing, to confirm compliance with the Brown Act, and to establish his presence as the Mayor of Riverbank. The record will show that Mayor O'Brien confirmed that the meeting was held in compliance to the Government Code and the Brown Act, and that City Council had no doubt that Mayor O'Brien was in fact the participating Member of the Riverbank City Council via teleconference.

AGENDA CHANGES: Vice Mayor Barber-Martinez – *There were no changes.*

CONFLICT OF INTEREST

Any Council/Authority Member or Staff who has a direct Conflict of Interest on any scheduled agenda item to be considered is to declare their conflict at this time.

No one declared a conflict.

1. PRESENTATIONS

There were no presentations.

2. PUBLIC COMMENTS (No Action Can Be Taken)

At this time, members of the public may comment on any item not appearing on the agenda, and within the subject matter jurisdiction of the City Council/LRA Board. Individual comments will be limited to a **maximum of 5 minutes** per person and each person may speak once during this time; time cannot be yielded to another person. Under State Law, matters presented during the public comment period cannot be discussed or acted upon. For record purposes, state your name and City of residence. Please make your comments directly to the City Council/LRA Board.

Mrs. Annabel Gammon (A copy of her written comments were provided for the record) spoke in opposition of the Flavors Dispensary.

Jennifer Miakowa spoke in opposition of the approved cannabis dispensaries.

3. CONSENT CALENDAR

All items listed on the Consent Calendar are to be acted upon by a single action of the City Council/LRA Board unless otherwise requested by an individual Council/Authority Member for special consideration. Otherwise, the recommendation of staff will be accepted and acted upon by roll call vote.

Item 3.A: Waive Readings. All Readings of ordinances and resolutions, except by title, are waived.

Recommendation:

It is recommended that City Council/LRA Board approve the Consent Calendar items by roll call vote.

ACTION: *By motion moved and seconded (Jones Cruz / Campbell / passed 5-0) to approve Consent Calendar Items 3.A as presented; Motion carried by unanimous City Council and LRA Board roll call vote.*

AYES: Fosi, Campbell, Jones Cruz, Mayor/Chair O'Brien, and Vice Mayor/Chair Barber-Martinez

NAYS: None / ABSENT: None / ABSTAINED: None

4. UNFINISHED BUSINESS

Item 4.1: Second Reading by Title Only and Adoption of Proposed Ordinance No. 2018-003 Approving Development Agreement 02-2017 By and Between the City of Riverbank and Family and Friends Association,

Inc., Doing Business As Riverbank Cannabis Collective, a California Corporation, for a Commercial Cannabis Dispensary – It is recommended that the City Council conduct the second reading by title only of proposed Ordinance No. 2018-003 and consider its adoption by roll call vote. At the Planning Commission Public Hearing held on December 19, 2017, the Commission voted 1-4 to not recommend adoption of the proposed ordinance.

City Manager Sean Scully presented the staff report, and clarified that the development agreement was amended to include the closure of the business two hours before and two hours after the Cheese and Wine event and the Christmas events.

Public comments were made by: Mr. Fred Wood, Ms. Leticia Hidalgo, Mrs. Evelyn Halbert, Mrs. Annabel Gammon, Mr. Haskell Moore, in opposition of the dispensary.

ACTION: *By motion moved and seconded (Campbell / Jones Cruz / passed 5-0) to approve Development Agreement 02-2017 By and Between the City of Riverbank and Family and Friends Association, Inc., Doing Business As Riverbank Cannabis Collective, a California Corporation, for a Commercial Cannabis Dispensary by adoption of Ordinance [No. 2018-003] as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Campbell, Jones Cruz, Mayor O'Brien, and Vice Mayor Barber-Martinez

NAYS: None / ABSENT: None / ABSTAINED: None

5. PUBLIC HEARINGS

The public notice for Item 5.1 was published in the Riverbank News on 1/10/2018.

Item 5.1: **A Resolution [No. 2018-002] Accepting the Fiscal Year 2016-17 Annual AB 1600 Report of System Development Fee Activity** – It is recommended that the City Council adopt a Resolution accepting the Fiscal Year 2016-17 Annual AB 1600 Report of System Development Fee Activity.

Assistant City Manager/Director of Finance Marisela Garcia presented the staff report.

Mayor O'Brien opened the public hearing at 6:42 p.m.; no one spoke, the hearing was closed.

ACTION: *By motion moved and seconded (Jones Cruz / Fosi / passed 5-0) to adopt Resolution No. 2018-002 Accepting the Fiscal Year 2016-17 Annual AB 1600 Report of System Development Fee Activity as presented.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Campbell, Jones Cruz, Mayor O'Brien, and Vice Mayor Barber-Martinez

NAYS: None / ABSENT: None / ABSTAINED: None

6. NEW BUSINESS

Item 6.1: **A Resolution [No. 2018-003] Imposing a Moratorium of Six (6) Months on the Processing and Issuance of additional Permits for a Cannabis Dispensary within the City of Riverbank** – It is recommended that the City Council approve the Resolution imposing a moratorium of six (6) months on the processing and issuance of additional permits for a cannabis dispensary within the City of Riverbank.

Planning and Building Manager presented the staff report.

Public Comments were made by: Mrs. Annabel Gammon, Mr. Haskell Moore, Mr. Scott Mc Ritchie, and Leticia Hidalgo.

City Council considered the request of extending the moratorium to one year. It was agreed that the Resolution would be amended to consider the moratorium 30 days prior to the end of the moratorium.

ACTION: *By motion moved and seconded (Jones Cruz / Fosi / passed 5-0) to adopt Resolution No. 2018-003 Imposing a Moratorium of Six (6) Months on the Processing and Issuance of additional Permits for a Cannabis Dispensary within the City of Riverbank, with an amendment to trigger a 30-day consideration of the moratorium prior to the end of the six months.*

Motion carried by unanimous City Council roll call vote.

AYES: Fosi, Campbell, Jones Cruz, Mayor O'Brien, and Vice Mayor Barber-Martinez

NAYS: None / ABSENT: None / ABSTAINED: None

Item 6.2: **Facility Use Fee Review for Non-Profit Groups** – It is recommended that the City Council review the cost analysis information on facility rentals and, if necessary, give staff direction on future facility rental fees for non-profit groups.

City Manager Sean Scully clarified that the item was a result of the Kiwanis Club requesting a waiver of facility use fees for a fundraiser, who have since withdrawn their request, however, there was still a need to consider a policy. Director of Parks and Recreation presented the staff report.

City Council and staff discussed the item; there was consensus to leave the process of waiving fees as currently considered.

ACTION: *By motion moved and seconded (Campbell / Fosi / passed 5-0) to continue the current process of fee waivers and the allocation of \$25,000 of the General Fund to cover costs. Motion carried by unanimous City Council roll call vote.*
AYES: Fosi, Campbell, Jones Cruz, Mayor O'Brien, and Vice Mayor Barber-Martinez
NAYS: None / ABSENT: None / ABSTAINED: None

Item 6.3: **A Resolution [No. 2018-004] Approving the Application for the Land and Water Conservation Fund for the Jacob Myers Park Trail Improvement Project** – It is recommended that the City Council Approve the Application for the Land and Water Conservation Fund for the Jacob Myers Park Trail Improvement Project.

Parks and Recreation Director Sue Fitzpatrick presented the staff report. City Council made their comments.

ACTION: *By motion moved and seconded (Jones Cruz / Fosi / passed 5-0) to adopt Resolution No. 2018-004 Approving the Application for the Land and Water Conservation Fund for the Jacob Myers Park Trail Improvement Project as presented, and to amend the resolution clarifying the total project cost of \$153,883.00, with a City grant match of 50% (\$76,941.50), that will be paid by Measure L funding. Motion carried by unanimous City Council roll call vote.*
AYES: Fosi, Campbell, Jones Cruz, Mayor O'Brien, and Vice Mayor Barber-Martinez
NAYS: None / ABSENT: None / ABSTAINED: None

Item 6.4: **A Resolution [No. 2018-005] Approving the Employment Agreement between the City of Riverbank and Sue Fitzpatrick as Parks and Recreation Director** – It is recommended that the Riverbank City Council ("City Council") approve the resolution approving and authorizing execution of an Employment Agreement ("Agreement") between the City of Riverbank ("City") and Sue Fitzpatrick, Director of Parks and Recreation.

City Manager Sean Scully presented the staff report.

Public Comment: Mr. Scott Mc Ritchie spoke in favor of the agreement.

ACTION: *By motion moved and seconded (Jones Cruz / Campbell / passed 5-0) to adopt Resolution No. 2018-005 Approving the Employment Agreement between the City of Riverbank and Sue Fitzpatrick as Parks and Recreation Director as presented. Motion carried by unanimous City Council roll call vote.*

AYES: Fosi, Campbell, Jones Cruz, Mayor O'Brien, and Vice Mayor Barber-Martinez

NAYS: None / ABSENT: None / ABSTAINED: None

7 COMMENTS/REPORTS

A brief report on attendance of a meeting or conference or other notable topics of business shall be made. The Brown Act does not allow for discussion or action by the City Council.

Item 7.1: Staff

- ***City Manager Scully reported on the City Council and nonprofits meeting; and provided an update on the crosswalk project requested by the Catholic Church.***

Item 7.2: Council/Authority Member

- ***Council/Authority Member Fosi commented on trash dumping at Crossroads; encouraged people to report anyone dumping the trash, and to call if anyone is seen damaging the parks.***
- ***Council/Authority Member Campbell agreed with Member Fosi, and encouraged reporting of homeless camps.***
- ***Mayor/Chair O'Brien thanked the nonprofit organizations for their efforts, and announced the February 15th meeting with the nonprofit groups to discuss utility bill assistance, the Mayor's State of the City Address on February 22nd, and a meeting with nonprofit groups on homelessness on March 15.***

Item 7.3: Vice Mayor/Chair

Vice Mayor/Chair Barber-Martinez reported on her attendance of the League of California Cities Policy Committee meeting.

8. CLOSED SESSION

The public will have a limit of 5 minutes to comment on Closed Session item(s) as set forth on the agenda prior to the City Council/LRA Board recessing into Closed Session.

Item 8.1: CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to subdivision (b) of Government Code § 54956.9: (3) potential cases

Item 8.2: PUBLIC EMPLOYMENT

Pursuant to Government Code §54957(b)(1)
Title: Public Works Director

Vice Mayor/Chair Barber-Martinez announced the Closed Session Items and opened the Items for public comment; no one spoke. The meetings were recessed and City Council went into Closed Session at 7:47 p.m.

9. REPORT FROM CLOSED SESSION

Vice Mayor/Chair Barber-Martinez reconvened the meetings at 8:33 p.m.

Item 9.1: Report from Closed Session Item 8.1: **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION:** (3) potential cases

Vice Mayor Barber-Martinez reported that direction was provided to staff.

Item 9.2: Report from Closed Session Item 8.2: **PUBLIC EMPLOYMENT**
Title: Public Works Director.

Vice Mayor Barber-Martinez reported that direction was provided to staff.

ADJOURNMENT

There being no further business, Vice Mayor/Chair Barber-Martinez adjourned the meetings at 8:34 p.m.

ATTEST: (Adopted 02/13/2018)

APPROVED:

Annabelle H. Aguilar, CMC
City Clerk / LRA Recorder

Darlene Barber-Martinez
Vice Mayor / Chair

RIVERBANK CITY COUNCIL AGENDA ITEM NO. 3.C

SECTION 3: CONSENT CALENDAR

Meeting Date:	February 13, 2018
Subject:	A Resolution Approving the Appointment of Alternate Planning Commissioner Melissa Hughes to the Primary Seat Vacated by Planning Commissioner Larry King for Completion of the Unexpired Four-Year Term Ending December 31, 2019
From:	Sean Scully, City Manager
Submitted by:	Annabelle Aguilar, CMC, City Clerk

RECOMMENDATION

It is recommended that the City Council consider the proposed appointment and approval of the resolution by roll call vote.

SUMMARY

On the evening of January 16, 2018, at the conclusion of the Planning Commission meeting, Planning Commissioner Larry King announced that he had purchased a new home and his residence was no longer within the City of Riverbank. As a result, he announced his resignation effective immediately, vacating a primary seat with an unexpired four-year term ending December 31, 2019.

In accordance with the Riverbank Municipal Code, Title III, Chapter 32, the Alternate Planning Commissioner serving at the time shall be appointed to fill any vacancy that occurs. Ms. Melissa Hughes was appointed as the Alternate Planning Commissioner to serve a two-year term from January 1, 2018 through December 31, 2019. The action for consideration by the City Council is to officially appoint Ms. Hughes to the vacated primary Planning Commissioner seat to fulfill the unexpired term ending December 31, 2019.

Ms. Hughes was administered the Oath of Office on January 9, 2018, to serve as a an Alternate Commissioner, including in a primary capacity, which is sufficient for the proposed appointment. For the record, the City Clerk will issue a new Certificate of Appointment upon approval of the proposed resolution.

FINANCIAL IMPACT

Planning Commissioners are compensated \$100 for attendance of a scheduled Planning Commission opened meeting.

ATTACHMENT 1. Proposed resolution for approval of appointment to primary seat.

CITY OF RIVERBANK

RESOLUTION

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIVERBANK, CALIFORNIA,
APPROVING THE APPOINTMENT OF ALTERNATE PLANNING COMMISSIONER MELISSA
HUGHES TO THE PRIMARY SEAT VACATED BY PLANNING COMMISSIONER LARRY
KING FOR COMPLETION OF THE UNEXPIRED FOUR-YEAR TERM ENDING
DECEMBER 31, 2019**

WHEREAS, the City of Riverbank Planning Commission was established and is regulated pursuant to Riverbank Municipal Code Title III, Chapter 32; and

WHEREAS, Planning Commissioners are required to live within the City limits and be a registered voter of Riverbank in order to be eligible to serve as a Commissioner; and

WHEREAS, on January 16, 2018, Planning Commissioner Larry King announced his resignation due to no longer residing in the City of Riverbank, vacating a four-year term that expires December 31, 2019; and

WHEREAS, pursuant to the Riverbank Municipal Code, Title III, Chapter 32, the designated Alternate Planning Commissioner shall be appointed to fulfill an unexpired primary seat, should a vacancy occur; and

WHEREAS, Alternate Planning Commissioner Melissa Hughes, who is currently serving a two-year term (01/01/18 – 12/31/19), will be moved from the alternate seat to the vacated primary seat to fulfill the remaining term previously held by Planning Commissioner Larry King.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Riverbank hereby appoints Melissa Hughes to the vacated primary Planning Commissioner seat, to fulfill the unexpired term, effective immediately upon approval of this resolution, and shall expire on December 31, 2019, or soon thereafter upon establishment of a new appointment.

PASSED AND ADOPTED by the City Council of the City of Riverbank at a regular meeting held on the 13th day of February, 2018; motioned by Councilmember _____, seconded by Councilmember _____, and upon roll call was carried by the following City Council vote of _____ :

AYES:

NAYS:

ABSENT:

ABSTAINED:

ATTEST:

APPROVED:

Annabelle H. Aguilar, CMC
City Clerk

Richard D. O'Brien
Mayor

RIVERBANK CITY COUNCIL AGENDA ITEM NO. 3.D

SECTION 3: CONSENT CALENDAR

Meeting Date: February 13, 2018

Subject: Public Works Construction Standards: A **Resolution** to Replace in its Entirety CITY OF RIVERBANK STANDARD SPECIFICATIONS – Design Standards and Standard Plans for Section 5 - Water and add Section 9 – TRASH ENCLOSURE with new specifications and drawings

From: Sean Scully, City Manager

Submitted by: Kathleen Cleek, Development Services Administration Manager

RECOMMENDATION

It is recommended that the City Council adopt a resolution to replace in its entirety the CITY OF RIVERBANK STANDARD SPECIFICATIONS – Design Standards and Standard Plans for Section 5 – WATER and adding Section 9 – TRASH ENCLOSURE with new specifications and drawings. These standards are updated to represent the current construction industry and design parameters as well as all federal and state requirements for construction of public works projects.

SUMMARY

The City of Riverbank's current Standard Specifications consist of 8 Sections. Section 1 – Preface, Section 2 – Safety, Section 3 – Streets, Section 4 – Lighting, Section 5 – Water, Section 6- Wastewater, Section 7 – Storm Drains, Section 8 – Parking. The standards in these Sections were adopted to aid all persons engaged in construction of public works projects within the city limits of Riverbank. All construction work in the public right-of-way within the City of Riverbank shall conform to these standards. As the construction industry and design parameters change, revisions to these standards need to be adopted.

Section 5 – Water has been revised in its entirety to conform to the latest construction industry and design parameter changes as well as conforming to our new water meter details.

Section 9 – Trash Enclosure has been added to meet the City's Municipal Separate Storm Sewer System (MS4) Permit requirements and the State's AB341 Mandatory Commercial Recycling requirements.

STRATEGIC PLAN

The revisions and addition to the City of Riverbank's STANDARD SPECIFICATIONS meets the City's Three-year Goal to Maintain and improve the City's infrastructure and service delivery systems.

FINANCIAL IMPACT

No financial impact.

ATTACHMENT

1. Resolution
2. City of Riverbank Design Standards – Water
3. City of Riverbank Standard Plans – Trash Enclosure

CITY OF RIVERBANK

RESOLUTION

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIVERBANK, CALIFORNIA, TO REPLACE IN ITS ENTIRETY CITY OF RIVERBANK STANDARD SPECIFICATIONS DESIGN STANDARDS AND STANDARD PLANS FOR SECTION 5 – WATER AND ADD SECTION 9 – TRASH ENCLOSURE WITH NEW SPECIFICATIONS AND DRAWINGS

WHEREAS, the City of Riverbank staff reviewed the stand specifications and drawings within Section 5 – Water and determined new specifications and drawings were needed to represent the current industry and design parameters and all current state and federal requirements.

WHEREAS, the City of Riverbank staff determined a new Section titled Trash Enclosure needed to be added to meet the City's Municipal Separate Storm Sewer System (MS4) permit requirements and the State's AB341 Mandatory Commercial Recycling requirements.

WHEREAS, the City of Riverbank's Standard Specifications - Design Standards and Standard Plans Section 5 – Water is replaced in its entirety.

WHEREAS, these standards are updated to represent the current construction industry and design parameters as well as all federal and state requirements for construction of public works projects.

WHEREAS, new Section 9 – Trash Enclosure is added to the City of Riverbank's Standard Specifications - Design Standards and Standard Plans to meet the City's Municipal Separate Storm Sewer System (MS4) permit requirements and the State's AB341 Mandatory Commercial Recycling requirements.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Riverbank hereby agrees to replace in its entirety the City of Riverbank Standard Specifications – Design Standards and Standard Plans for Section 5 – Water and add Section 9 – Trash Enclosure with new specifications and drawings.

PASSED AND ADOPTED by the City Council of the City of Riverbank at a regular meeting held on the 13th day of February, 2018; motioned by Councilmember , seconded by Councilmember , and upon roll call was carried by the following City Council vote of :

AYES:

NAYS:

ABSENT:

ABSTAINED:

ATTEST:

Annabelle H. Aguilar, CMC
City Clerk

APPROVED:

Richard D. O'Brien
Mayor

PROPOSED

**City of Riverbank
DESIGN STANDARDS
WATER**

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SECTION 5: WATER

5.100 General

5.101 Scope

These standards apply to all public water facilities designed for installation within a public right-of-way or PUE in the City, and are limited to mains and services 12" or less in diameter. Standards and requirements for larger sizes will be determined by the City Engineer on a case-by-case basis. In residential developments, on-site mains and hydrants for fire protection shall be public. Other on-site facilities, unless specifically noted in these Standards or as required as part of project approval, shall be private and shall be designed and constructed in accordance with the provisions of these Standards and the Uniform Plumbing Code, as adopted by the City.

5.200 Design Flow

5.201 Flow Demand

Unless actual field measurements or metering data are available, the following water demands shall be used:

<u>Land Use</u>	<u>Unit Demand</u>	<u>Peaking Factors</u>	
		<u>Peak Day</u>	<u>Peak Hour</u>
Residential	285 gpcd	2.24	3.28
Commercial/Office	2,750 gpad (floor area)	2.24	3.28
Parking Lots	200 gpad	2.24	3.28
Industrial	(detailed information regarding industrial water demand to be submitted) (gpcd = gallons per capita per day ; gpad = gallons per acre per day)		

Per capita and density figures per Section 5.201 shall be used unless specific project information is available.

Fire flow for specific projects shall be based on the Insurance Services Organization (ISO) Guidelines for a Class I City, or as otherwise approved by the Stanislaus Consolidated Fire District. In lieu of the ISO guidelines, the following conservative minimum criteria may be used:

<u>Land Use</u>	<u>Fire Flow</u>
Low-Density Residential	1,000 gpm from each of 2 adjacent hydrants flowing simultaneously, or 2,000 gpm available
Multi-Family	1,500 gpm from each of 2 adjacent hydrants flowing simultaneously, or 3,000 gpm available at building service point (not simultaneously with hydrant flow).

Commercial	1,500 gpm from each of 2 adjacent hydrants flowing simultaneously, or 4,000 gpm available at building service point (not simultaneously with hydrant flow).
Industrial	Fire flow for industrial projects shall be based on a site-specific investigation using ISO guidelines. 4,000 gpm may be used for preliminary studies.

Fire flow for low-density residential areas can generally be obtained using the following guidelines for water main sizing:

- a) 12" mains – 1/2 mile looped grid
- b) 8" mains – 1/4 mile looped grid
- c) 8" looped distribution system (internal to 1/2 mi and 1/4 mi grids mentioned above)

5.202 Design Pressure

The system shall be designed to maintain a minimum residual pressure of 20 psi at the service point or fire hydrant under the worst case of either:

- Peak Day flow plus fire flow, or:
- Peak Hour flow

Calculations shall be based on actual flow tests performed by the Stanislaus Consolidated Fire District, or as otherwise approved by the City Engineer.

The Hazen-Williams formula should be used to calculate design flow, pressure loss, velocity and pipe diameter relationships. The coefficient of friction, "C", shall be 100 for pipes 6" and smaller, 120 for 8" and 10", and 130 for 12" and larger pipes. If losses due to fittings are calculated separately using equivalent length or other approved methods, a "C" of 130 may be used.

5.300 Pipe Design

5.301 Minimum Size

Minimum pipe sizing for public water mains shall be based on an approved Water Master Plan, regional modeling analysis, or similar document. Typically, these documents are prepared either at the Specific Plan or Tentative Mapping phases of a project, and are intended to provide sizing information for a relatively large region.

For new public water mains in areas that are not already covered by a regional water study or analysis (i.e. smaller "infill" projects), minimum sizing for public water mains shall be based on requirements as described in Section 5.200, or as otherwise directed by the City Engineer.

New onsite private water main sizing shall be based on the required fire flow and pressure, as described in section 5.200.

In addition to the above requirements, minimum pipe sizes for new water mains shall be as per the following table:

<u>Location/Use</u>	<u>Min. Size</u>
Fire hydrant laterals, max. length =100'	6"
Public water mains –1/2 mi. looped grid	12"
All other public water mains	8"
Residential dead end with fire hydrant*	8"
Residential dead end with no fire hydrant*	6"

* Looping of water mains is typically required on all projects, unless specifically approved otherwise by the City Engineer.

5.302 Vertical Alignment

There are no slope requirements for water mains. However, inverts of new public water mains shall be shown on the drawings. Combination air & vacuum release valves shall be placed at all substantial high points in newly constructed water mains.

Minimum cover on water mains shall be 36". In special circumstances, minimum cover may be reduced below 36" using special backfill and/or special pipe materials. The requirements for reduced cover below 36" shall be considered on a case-by-case basis, and approved by the City Engineer.

When practical, new water mains shall be installed above wastewater or storm drain pipes with a minimum vertical clearance of 1' at crossing locations. However, if this is not a practical option, water main crossings shall be constructed using special construction in accordance with DHS Guidelines. Refer to Section 5.306 for vertical separation requirements for new public water mains.

5.303 Horizontal Alignment

Public water mains shall be installed within street rights of way unless an easement installation is specifically approved by the City Engineer. Alignment shall be parallel to the street centerline wherever possible.

Curved water mains may be constructed provided that joint deflections or pipe curvature does not exceed the pipe manufacturer's recommendations.

See Section 5.306 regarding horizontal separation requirements from other utilities.

5.304 Pipe Materials

The following pipe materials shall be used for water main construction, and shall conform to the appropriate American Water Works Association (AWWA) standards (latest revision):

Pipe Material:

1. Polyvinyl Chloride (PVC) as per AWWA C900, Class 150 minimum.
2. Ductile Iron Pipe (DIP) as per AWWA C151, Class 50, with cement mortar lining in accordance with AWWA C104 and polyethylene encasement in conformance with AWWA C105.

These approved pipe materials apply to water mains up to 12" in diameter. Service materials shall be polyethylene tubing CTS or copper. The material for new water mains greater than 12" shall be determined be on a case-by-case basis as approved by the City Engineer.

5.305 Fittings and Thrust Blocking

Pipe fittings shall conform to AWWA C110 for flange fittings and AWWA C111 for mechanical joint fittings, and shall be cast iron or ductile iron, class 150. Joints in fittings and adapters shall be of the type with a seal ring groove for positively holding the rubber gaskets in place against the water pressure, and shall be similar to the specified joint for the pipe used.

Thrust blocking shall be installed at all bends, tees, dead ends, and changes in pipe diameter, and installed per City Standard Details. Thrust blocking shall be placed so that the joints of the pipe and fittings will be accessible for repair.

5.306 Separation Requirements

Public water mains shall have the required separation, both horizontal and vertical, from other utilities as per the current California Department of Health Services (DHS) Guidelines, as adopted by the City of Riverbank. The following are excerpts from the DHS Guidelines for separation requirements of public water mains from other utilities:

- 10' horizontal separation, and 1' vertically above parallel sanitary sewer lines, or pipelines carry other hazardous fluids (fuel, industrial wastes, etc..)
- 4' horizontal separation, and 1' vertically above parallel storm drain lines or disinfected tertiary recycled water.
- 4' horizontal separation, and 1' vertically above parallel new supply lines conveying raw water to be treated for drinking purposes.
- The vertical separation mentioned above for parallel pipelines does not apply if an 11' horizontal separation is maintained.
- Water mains crossing other utilities shall be 1' vertically above the other utility. If this is not attainable, then special construction shall be required in accordance with the April 14, 2003 guidance memorandum from DHS contained in the Appendix of these Standards.

The aforementioned requirements are excerpts from the DHS Guidelines, and are listed only as a convenience for common situations in water main layout and design. Refer to the Appendix for the April 14, 2003 memorandum from DHS for additional separation requirements for water mains and non-potable pipelines.

All separation requirements indicated above and in the April 14, 2003 DHS memorandum are to the outside edges of the pipe. If these separation requirements are not attainable, special construction shall be required in accordance with DHS guidelines, and as approved by the City Engineer.

5.400 Services

5.401 General

Each individual lot or parcel shall have a separate water service complete from the water main to the property. Larger parcels with multiple buildings may require additional services, as approved by the City Engineer. All water services from the public water main shall be metered in accordance with the standards contained herein, with the exception of dedicated fire service lines.

5.402 Domestic Services

The minimum size service is 1 inch polypropylene, and is to be installed in accordance with City Standard Details. Larger diameter services shall be per Standard Plan 505 (1 ½" & 2") and Standard Plan 506 (4" & larger). The size of service is to be determined by the design engineer for the parcel/land use being served, subject to requirements contained in these Design Standards.

Backflow prevention devices shall be provided as specified in these Standards, and as per the appropriate Standard Detail. Refer to Section 5.404 for additional information regarding backflow prevention.

All domestic service meter boxes shall be placed outside of driveways. Exceptions to this rule will be granted only when it is not feasible or practical to place service meter boxes outside driveways. Such exceptions will require specific approval by the City Engineer.

The preferred horizontal separation of water services and sewer laterals is 10'. However, sewer laterals and water services may have a minimum of 5' separation given prior approval by the City Engineer.

5.403 Fire Services

Private on-site fire protection systems include hydrants and building sprinkler systems, and shall be installed per the requirements of the City Building Code, these Standard Specifications, and the requirements of the Stanislaus Consolidated Fire District. Fire and domestic systems shall be kept separate on-site, and shall be valved such that either system can be shut-down without affecting the other. These Standards cover requirements imposed by the Public Works Department in its role as a water utility, mainly as they apply to maintenance and backflow prevention required by State Law. In addition, the Stanislaus Consolidated Fire District may have other design requirements pertaining to fire protection.

1. General: All on-site improvements shall conform to City Standards for public water mains, unless additional design or construction requirements are stipulated by the Stanislaus Consolidated Fire District. In addition, automatic sprinkler systems shall be installed in accordance with NFPA #13, or as required by the Stanislaus Consolidated Fire District.
2. Backflow Prevention: All private fire systems shall have backflow prevention as described in section 5.404.
3. Fire Hydrants: refer to Section 5.502 of these Standards
4. Domestic Services: It is preferable to keep domestic services separate from fire systems. However, given the approval of the City Engineer, domestic services may be taken from the fire service lateral provided that an additional backflow prevention device is installed and sufficient valving is in place to isolate the two systems.
5. Fire District Approval: The location and layout of all fire protection system components including, but not limited to: piping, fire department connections, indicator valves, detector check valves, booster pumps, fire hydrants and service risers shall be approved by the Stanislaus Consolidated Fire District.
6. Fire Department Connections (FDC) and Post-Indicator Valves (PIV): FDC's and PIV's shall be installed as per City Standard Details, in locations approved by the Stanislaus Consolidated Fire District.
7. Inspection: All private fire systems shall be inspected by the Fire District prior to backfill of trench. Testing shall also be performed in accordance with current NFPA standards, and as required by the Fire District, prior to acceptance.

5.404 Backflow Prevention

General: Backflow prevention devices shall be installed at new connections to the public water main as specified in these Standards. All backflow prevention assemblies shall be approved by the University of Southern California Foundation for Cross-Connection Control and Hydraulic Research (USC Foundation), and installed according to the manufacturer's specifications.

Domestic Services: New water services for potable uses, as well as landscape irrigation uses, shall require installation of a Reduced Pressure Principle Backflow Prevention Assembly (RPBP) as stated herein. Requirements for fire service lines are listed in a separate topic within this section.

Residential Uses: An RPBP, installed in accordance with City Standards, shall be required for water services that serve residential uses in each of the following cases:

- All services for multi-family dwellings of 2 units or more
- Services for single family dwellings of 3 stories or more.
- Separate water services used specifically for landscape irrigation in new residential developments.
- At service connections to the public main for private water systems serving 2 or more residential units.
- Water services for residential lots that use water from sources other than the City of Riverbank system, including reclaimed water, irrigation water (O.I.D., M.I.D.), or private on-site wells that have not been abandoned.
- Residential uses not specified above where a high hazard for contamination of the public water main is present, as deemed necessary by the City Public Works Department.

1" water services for standard single-family dwellings in the City will typically not require installation of a separate backflow prevention device, unless one of the aforementioned conditions is met.

Non-Residential Uses: All domestic and landscape water services for new commercial, industrial, public, institutional, or other non-residential uses shall require installation of an RPBP in accordance with City Standards.

Fire Services: Dedicated fire service lines 2" and under, including those serving single-family residences, shall require installation of an RPBP in accordance with City Standard Details.

Dedicated fire service lines 3" and above shall require installation of a Double Detector Check Assembly (DCDA) with Outside Stem and Yoke (OS&Y) valves in accordance with City Standard Details. This requirement includes private on-site water systems serving only fire hydrants.

RPBP's with detectors shall be required for fire service lines in the following instances:

- a) Systems in which chemical additives may be used such as antifreeze or fire suppressants
- b) Any building where a high hazard exists, as required by the City Engineer.

5.500 Valves, Fire Hydrants, and Other Appurtenances

5.501 Valves

Valves on mains shall be spaced and located in conformance with the following criteria:

- Valves shall have a minimum spacing of 500 ft.
- Valves shall be placed on each side of a water main crossing a separate right-of-way. Examples would include, but not be limited to: Canal crossings, aqueduct crossings, Caltrans highway crossings, and railroad crossings.
- At tees and crosses in public mains, valves shall be required at all legs. If there are minimal connections in between valves, valves may be eliminated at certain legs given the approval of the City Engineer.
- Private services extending from a tee in a public main shall require a valve on the service leg of the tee, and do not require valves on public main legs of the tee.
- At ends of mains or on stubs such that future extensions will not interrupt service.
- At fire hydrant laterals

5.502 Fire Hydrants

Fire hydrants shall be installed per City Standard Details. Where the main is located within 15 ft. of the hydrant location, the valve on the hydrant lateral shall be located at least 10 feet offset from the hydrant station and the lateral installed with 90 deg. elbows.

Fire hydrants shall be supplied from the largest available main, and shall be fed from 2 directions unless specifically approved otherwise by the City Engineer and the Stanislaus Consolidated Fire District. The exception to this would be hydrants placed at the end of cul-de-sacs.

Public fire hydrant spacing and distribution shall be as follows:

- 300 feet maximum spacing in high density, commercial, or industrial zoning.
- 500 feet maximum spacing in low density residential areas
- A fire hydrant shall be located within the bulb of all cul-de-sacs
- Hydrants shall be spaced as described above on both sides of an arterial street. On streets that are separated from buildings by a 6' restrictive wall, hydrants shall be placed at all street intersections with a maximum spacing of 1000' on both sides of the street.

Hydrant locations on all new projects, both public and private, shall be approved by the Stanislaus County Consolidated Fire District.

5.503 Blow-offs and Temporary Connections

Blow-offs per Standard Plan 520 shall be located at the ends of all dead-end mains, or as otherwise required by the City Engineer.

The location and type of temporary connections to the public main shall be approved by the City Engineer, and be installed as per the appropriate Standard Detail. The meter/backflow assembly shall be located to provide optimal flow for main flushing and to minimize disruption of public traffic upon device removal. The meter/backflow assembly is not required on new systems with less than 150 feet of 6" or smaller pipe.

5.504 Water Sampling Stations

Sampling stations shall be installed in new developments at the discretion of the City Engineer, and shall be constructed as per Standard Detail 521.

5.505 Tracer Wire

All non-conductive water mains shall be installed with a blue tracer wire in accordance with the Standard Details. The locating wire is to be laid at the top of the pipe, and bare wire shall not touch valves or fittings.

**City of Riverbank
CONSTRUCTION STANDARDS
WATER**

SECTION 5: DOMESTIC WATER FACILITIES

General: Domestic water facilities shall be furnished and installed in accordance with these Construction Specifications and as shown on the plans.

Payment: Full compensation for furnishing all labor, materials, tools, equipment, excavating, backfilling, testing, disinfecting and flushing and for doing all work involved in installing the water system shown on the plans and as specified in these Construction Specifications shall be included in the appropriate contract item and no additional compensation will be allowed therefore.

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5.100 Materials

5.101 Water Main Pipe

Water main pipe 4" through 12" shall be either ductile iron pipe (DIP) conforming to the requirements of AWWA Standard C-151, Class 51 (4") or Class 50 (6" thru 12") with cement-mortar lining or polyvinyl chloride (PVC) pipe conforming to the requirements of AWWA Standard C-900, Cast Iron (CI) O.D. Class 150 (DR18) with elastomeric gasket (solvent weld is unacceptable). DIP shall have "Tyton" joints, "Tyseal" joints, or approved equal.

In addition to the above, the following requirements apply to all pipe joints:

- Solvent welded PVC is not allowed
- Mechanical joints are only allowed at fittings
- Cast-iron repair/adaptor couplings may be used where approved by the City Engineer
- Water service lines shall be per Section 5.103 of these specifications

5.102 Miscellaneous Fittings

Pipe fittings shall conform to AWWA Standard C110, latest revision, and shall be of ductile iron, match the make of pipe used, and be as specified by the manufacturer for use with the pipe specified. Joints in fittings and adapters shall be of the type with a seal ring groove for positively holding the rubber gaskets in place against the water pressure and shall be similar to the specified joint for the pipe used.

All ductile iron fittings shall be coated outside and inside with a bituminous coating as per Section 10-3 of AWWA Standard C110, latest revision.

Flanged fittings are allowed, and shall be used where shown on the plans. Mechanical joint fittings are allowed provided the Contractor follows proper assembly procedures.

Not all pipe fittings required to do the work are shown on the plans. The Contractor shall furnish and install all fittings as necessary to accomplish grade and adjustment changes in conformance with the pipe manufacturer's recommendations and as approved by the Engineer.

5.103 Valves

Valves 2" through 12" valves shall be resilient seated gate valves. Valves over 12" shall be butterfly valves. Resilient seated gate valves shall be Mueller RS, American Darling CRS-80, Clow RS or approved equal and shall conform to the requirements of AWWA Standard C509, latest revision.

Butterfly valves shall be MH 450, Mueller Lineseal III, Clow 450 or approved equal and shall conform to the requirements of AWWA Standard C504, latest revision.

All valves shall open left (clockwise to close) and be equipped with a 2-inch AWWA operating nut. All valves shall be coated for buried service per AWWA Standards. All valves shall be Class 150 minimum.

Valves requiring operating wrenches exceeding 2 feet in length shall have extensions and guides as provided by the valve manufacturer installed in the valve riser.

The valve boxes shall be Christy G5 with cast iron cover and extensions and shall conform to City of Riverbank Standard Details. Cover shall have a free fit in the box. All valve boxes shall be adjusted to grade by the paving contractor as per the appropriate Standard Plan.

5.103 Service Lines and Fittings

Service lines and fittings shall be polyethylene CTS or copper for services 3 inches and smaller and ductile iron or polyethylene for services 4 inches and larger. All water services shall conform to the requirements shown on the appropriate Standard Details.

5.104 Fire Hydrants

Fire hydrants shall be furnished and installed in accordance with the Standard Details.

5.105 Backflow Prevention Devices

Backflow prevention devices including double detector checks and reduced pressure principle devices, shall be of a type approved by University of Southern California Foundation for Cross-Connection Control and Hydraulic Research Foundation (USC Foundation), and installed according to the manufacturer's specifications.

5.200 Installation

Water main pipe shall be installed in accordance with the manufacturer's recommendations, City Standard Plans, these Special Provisions and the improvement plans.

5.201 General Requirements:

Water mains shall be installed with due regard for protection from sanitary hazards, including current spacing and crossing requirements of the California Administrative Code, Title 22. Minimum pipe cover shall be 3 feet.

Thrust blocking shall be installed per City Standard Details at all bends, tees, dead ends, and changes in pipe diameter. Thrust blocking shall be placed so that the joints of the pipe and fittings will be accessible for repair.

No piping shall be directly embedded in concrete. All pipe in concrete shall be wrapped in 20 mil visquine. All piping subject to corrosion shall be protected with 20 mil visquine.

Trench width shall be 1.25 times the outside diameter of the pipe plus 12", or outside diameter of the pipe plus 16", whichever is greater.

The Contractor shall also take the necessary precautions to protect workers from asbestos fiber hazards. Reference is made to AWWA Manual M-16, "Work Practices for Asbestos-Cement Pipe." Use of any "non-recommended work practices" such as cutting any AC pipe with abrasive disc-dry tools is strictly forbidden.

Reference is made to AWWA Manual M23 "PVC Pipe - Design and Installation" and AWWA Standards C603 "Installation of Asbestos Cement Water Pipe", C600 "Installation of Gray and Ductile Cast-Iron Water Mains and Appurtenances", and C601 "Disinfecting Water Mains", and applicable California Department of Health Waterworks Standards.

The pipe must be kept exceptionally clean during installation since the use of calcium hypochlorite tablets prevents flushing before disinfection.

The City takes no responsibility for water quality downstream of temporary connections to the water system.

Hydrants installed but not in service shall be wrapped with burlap and wired and remain so until such time as the hydrants are in service. Holes may be cut in the burlap in order that the hydrant may be used for construction water.

5.202 Inspection

All water lines shall be inspected for proper installation by the City Engineer, prior to backfilling of trenches. If work is to be completed after normal business hours, Contractor shall call 869-3671 to arrange for an inspection to be made after normal business hours.

5.203 Disinfection

The preferred method of disinfection is continuous feed injection with a 24 hour contact time. The continuous feed method may be delayed until completion of the pressure test. The continuous feed method shall provide a dose of 100 parts per million.

If calcium hypochlorite tablets are used, the number shall be in accordance with the following table and disinfection shall be prior to pipe flushing, and after pressure testing.

<u>Length of Section (ft)</u>	<u>Diameter of Pipe (in.)</u>			
	6	8	10	12
13 or less	4	6	8	12
18 or 20	4	8	12	16

The table is based on 5 gram tablets per ounce (3.25 grams available chlorine per tablet), which is equal to 100 parts per million.

Residual chlorine ppm will be verified prior to flushing the line, at the direction of the City Engineer.

5.204 Connections to Existing Water Mains

Under no circumstances shall anyone other than a representative of the City of Riverbank Public Works Department open or close any valve in the existing City water system. Requests for valve operation shall be made to the Engineer at least 48 hours in advance. In cases where customer service will be interrupted, the request shall be made at least 48 hours in advance and the Contractor shall make satisfactory preparation for the planned work to minimize the interruption. The procedure shall be reviewed and approved by the City prior to the start of construction.

5.205 Connection Details

Shall be made per the appropriate Standard Detail(s). The number and location of temporary connections with meter assembly shall be approved by the City Engineer.

Upon request, the City will open its valve to the new pipe after the mains and services have been installed and backfilled and thrust blocks have cured for 48 hours.

5.206 PVC Pipe

Shall not be bent more than as recommended by the manufacturer. Joint deflections are not allowed. The Contractor shall take extra precautions to follow the pipe manufacturer's recommendations regarding rubber rings, fittings, tapping and installation practices.

5.300 Testing:

Official test for acceptance shall normally be conducted after compaction has been completed.

5.301 Pressure Test

All piping shall be tested to a pressure of 150 pounds per square inch (psi). All material, equipment and labor for testing shall be approved by the City prior to testing and shall be furnished without cost to the City of Riverbank. The system will be tested as directed by the Engineer as a unit or in sections not to exceed 1,000 lineal feet. Each unit tested shall successfully meet the requirements herein specified. The water services shall be considered as part of the main for test purposed and no allowance for additional leakage shall be made.

Unless otherwise directed by the Engineer, testing shall be accomplished by opening hydrants and service line cocks at the high points of the system and blowoffs at all dead ends. The valve controlling the admission of water into the section of pipe to be tested should be opened slowly and fully before closing the hydrants or blowoffs. After the system has been filled with water and all air

expelled, all the valves controlling the section to be tested shall be closed, and the line remain in this condition for a period of not less than 24 hours.

The pipe shall then be refilled, if necessary, and subjected to a maintained pressure of not less than 150 pounds per square inch (psi) for a period of one hour.

Allowable leakage shall not exceed a rate in gallons per hour per 1000' lineal feet of pipeline of 0.25 multiplied by the pipe diameter in inches.
(gph per 1000' < 0.25 * pipe dia).

All leaks that are found shall be immediately corrected and the system again subjected to the same test.

All repairs of any damage to the pipes and their appurtenances, or to any other structures, resulting from or caused by these tests, shall be performed by the Contractor as the Engineer may direct, all without cost to the City of Riverbank.

5.302 Bacteriological Test

After the successful completion of the pressure tests, bacteriologic samples shall then be taken at locations and times specified by the City Engineer. Bacteriologic testing shall be performed at the expense of the contractor and will comply with the current AWWA standards. See AWWA website for current standards and requirements.

5.303 Final Connections to Existing Mains

After notification of passing bacteriological tests, the connections to the existing mains shall be completed by the Contractor per Standard Plan 502. Requests for City valve operation shall be made per these specifications.

Removal of the meter assembly and replacement with the flanged spool shall be accomplished in a sanitary manner. The nearest valves on the newly installed main shall be closed to minimize the amount of water that will enter the excavation. No water shall be allowed to reenter the main.

As each connection is made, the main shall be flushed such that the flow is away from the existing water system. Each connection shall be flushed in this manner until the entire new water system is flushed, all under the direction of the Engineer. Burlap wrapping shall be removed from all hydrants. At this point, the City will take over operation of the water system. The contractor will be responsible for the cost of repairing any damage to the system until acceptance by the City Council.

5.304 Backflow Certification

All backflow prevention devices installed shall be certified and tested in accordance with current regulations of the California-Nevada Section of the American Water Works Association (AWWA). Certification shall be provided to the City Public Works Department prior to acceptance of new backflow prevention devices.

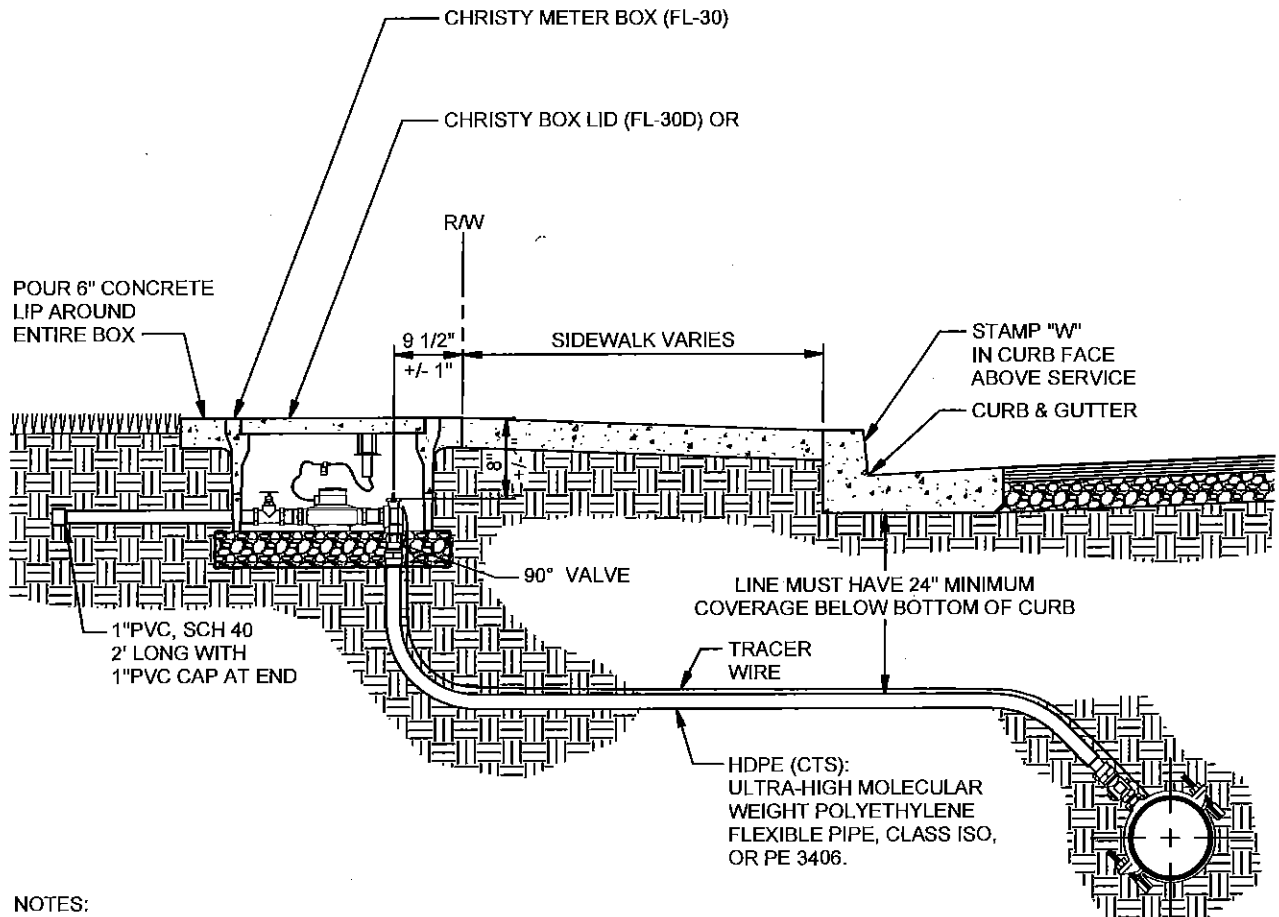
In addition, the location of any backflow prevention device shall be field verified with the City Public Works Department, or their appointed representative, prior to installation.

**City of Riverbank
STANDARD PLANS**

WATER

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NOTES:

1. IF THE SERVICE TRENCH IS IN EXISTING PAVING, THE PAVEMENT SHALL BE REPLACED AS PER SPECIFICATIONS FOR MAIN LINE TRENCH.
2. CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR DAMAGE TO THE CURB, GUTTER AND SIDEWALK, INCLUDING DRAINAGE FROM SETTING THE TRENCH, IF THEY ARE INSTALLED PRIOR TO TRENCHING.
3. CURB, GUTTER AND SIDEWALK TO BE INSTALLED AFTER WATER SERVICE INSTALLATION, UNLESS OTHERWISE NOTED.
4. SERVICE LINE SHALL BE A MINIMUM OF 24" BELOW BOTTOM OF CURB.
5. ALL FITTINGS TO BE BRASS.

REFER TO (STD 502)

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

NEW 1" WATER SERVICE
RESIDENTIAL

DRAWN BY: GK	DATE: 2/2/18	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 501.DWG

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

501

VENDOR:

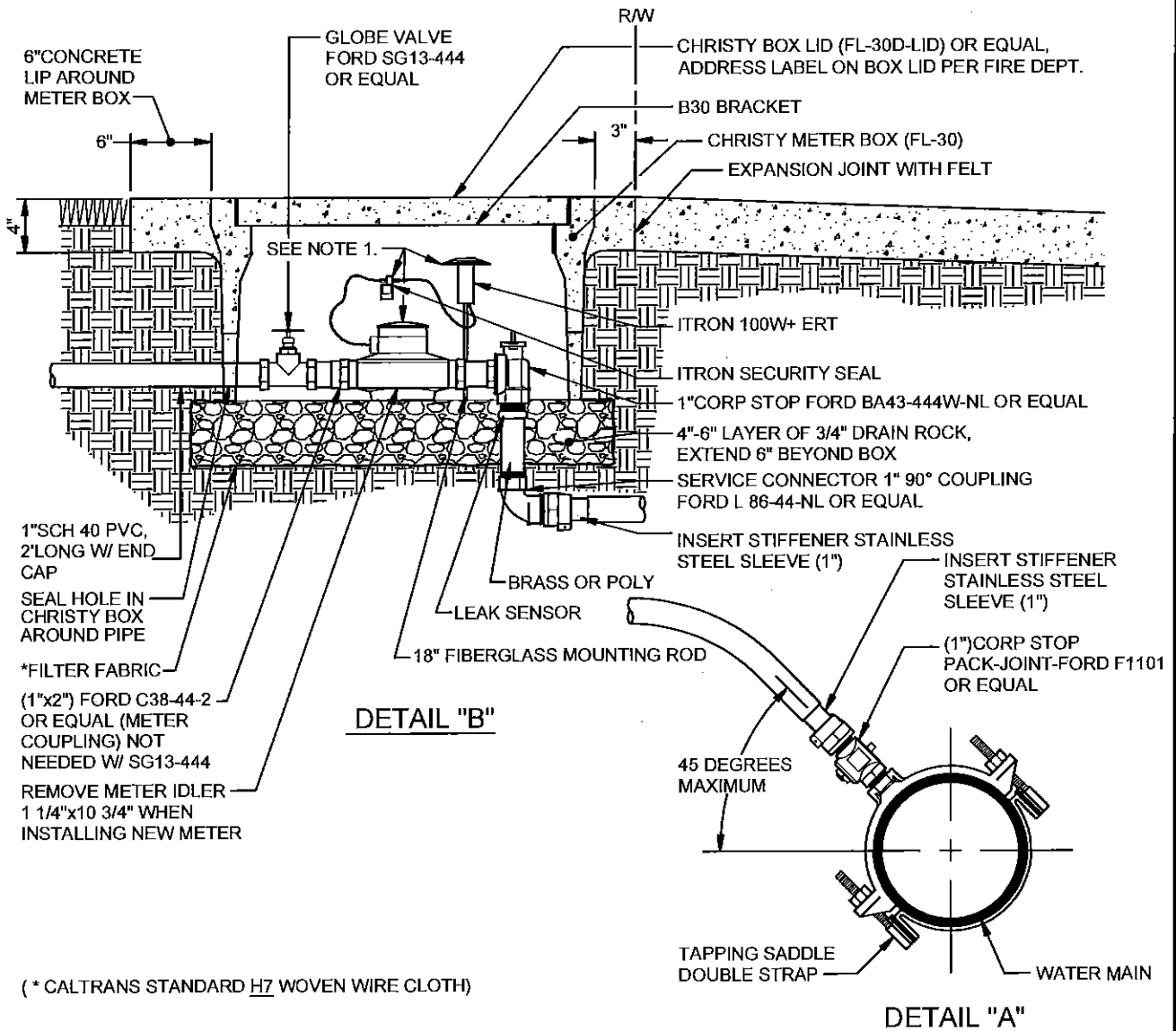
CONTACT THE WATER SUPERVISOR
FOR VENDOR INFORMATION:
CITY OF RIVERBANK
6707 THIRD ST (MAILING)
2901 HIGH ST
RIVERBANK, CA 95367
PHONE (209)869-7128

METER INFORMATION:

1"BADGER METER MODEL 55
BRONZE DISK METER
HR-E 8 DIAL REGISTER WITH ILC
ITRON 100W+ ERT
ITRON LEAK SENSOR+ METERED IN GALLONS

NOTES:

1. CONTRACTOR/OWNER TO FURNISH AND INSTALL NEW 1" WATER METER, SENDING UNIT, BRACKET AND SECURITY SEAL PER METER INSTALLATION MANUALS. REFER TO ATTACHED DETAILS.
2. CITY TO INSPECT INSTALLATION OF METER SENDING UNIT AND LEAK SENSOR, VERIFY METER NUMBER TO HOUSE ADDRESS PRIOR TO HOUSE OCCUPANCY.
3. CONTRACTOR TO TAKE SPECIAL CARE AS NOT TO CROSS THREAD BRASS FITTINGS ONTO PLASTIC METER. THIS WILL DAMAGE THE METER. PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT (209)869-7128, IF YOU HAVE ANY INSTALLATION QUESTIONS.



CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

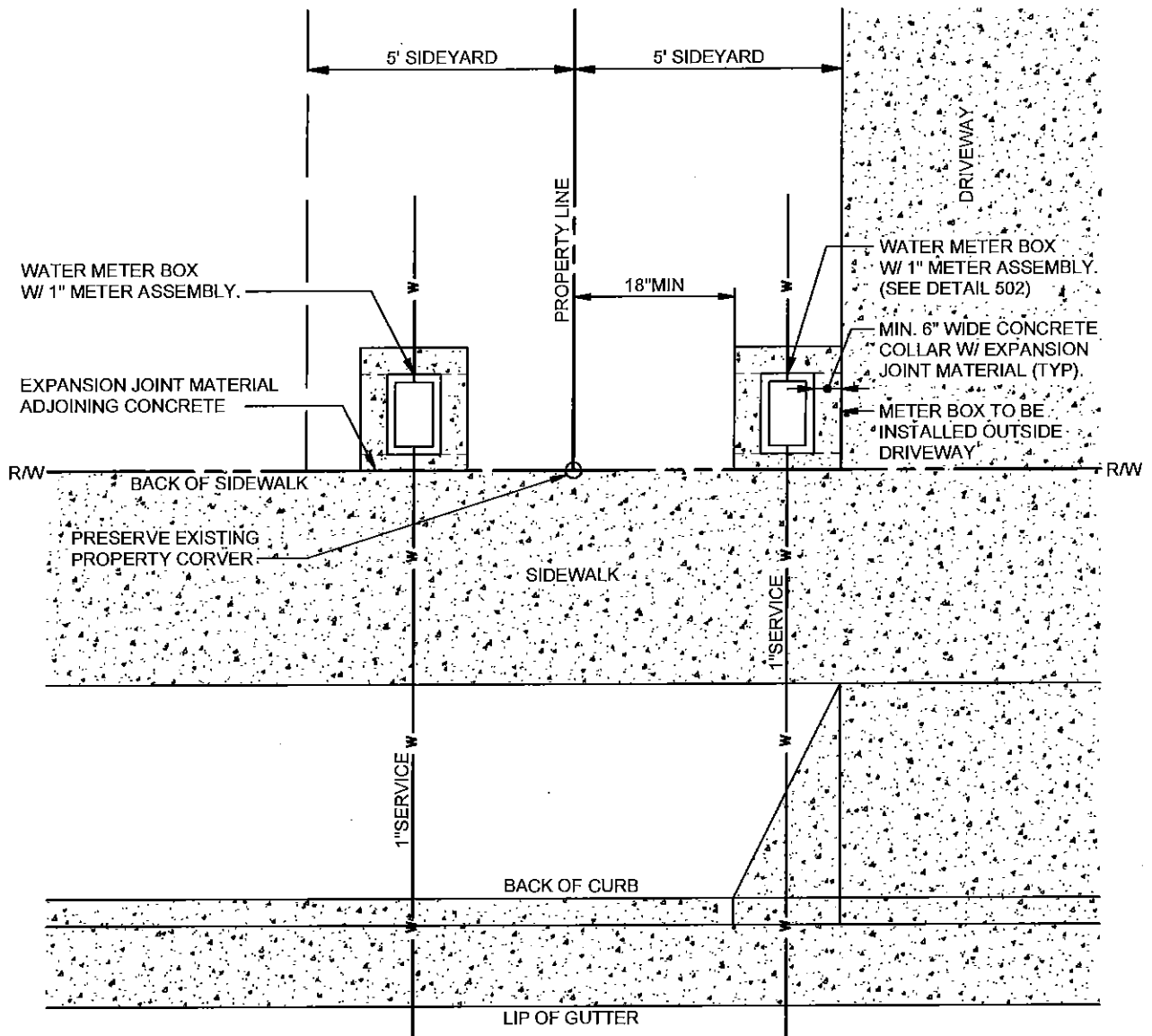
NEW 1" WATER SERVICE
RESIDENTIAL

DRAWN BY: GK	DATE: 1/30/18	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 502.DWG

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

502



NOTES:

1. THE PREFERRED LOCATION FOR THE NEW RESIDENTIAL WATER SERVICE IS 18" TO 5 FEET OFF THE PROPERTY CORNER AND ON THE OPPOSITE SIDE OF THE LOT FROM JOINT TRENCH SERVICES (CABLE, GAS, ELECTRIC PHONE, AND SEWER). HOWEVER, THIS STANDARD LOCATION MAY BE SHIFTED FURTHER FROM THE PROPERTY LINE AS NECESSARY TO AVOID CONFLICTS WITH OTHER UTILITIES.
2. IN NO CASE SHALL A WATER SERVICE BOX BE LOCATED WITHIN DRIVEWAY, OR WITHIN OTHER AREAS OF ONSITE CONCRETE (i.e. SLABS, SIDEWALKS, DECORATIVE). EXCEPTIONS TO THIS RULE WILL BE GRANTED ONLY WHEN IT IS NOT PRACTICAL OR FEASIBLE TO KEEP THE SERVICE BOX OUT OF THE DRIVEWAY, AND SHALL REQUIRE SPECIFIC APPROVAL BY THE CITY ENGINEER. SERVICES WITHIN DRIVEWAYS, IF ALLOWED, WILL REQUIRE A TRAFFIC RATED BOX AND CAST IRON LID.
3. THE CONTRACTOR IS TO PRESERVE ALL PROPERTY CORNERS. DAMAGED OR REMOVED CORNERS WILL REQUIRE REPLACEMENT BY A LICENSED LAND SURVEYOR, AT THE CONTRACTOR'S EXPENSE.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

1" WATER SERVICE

METER BOX LOCATION

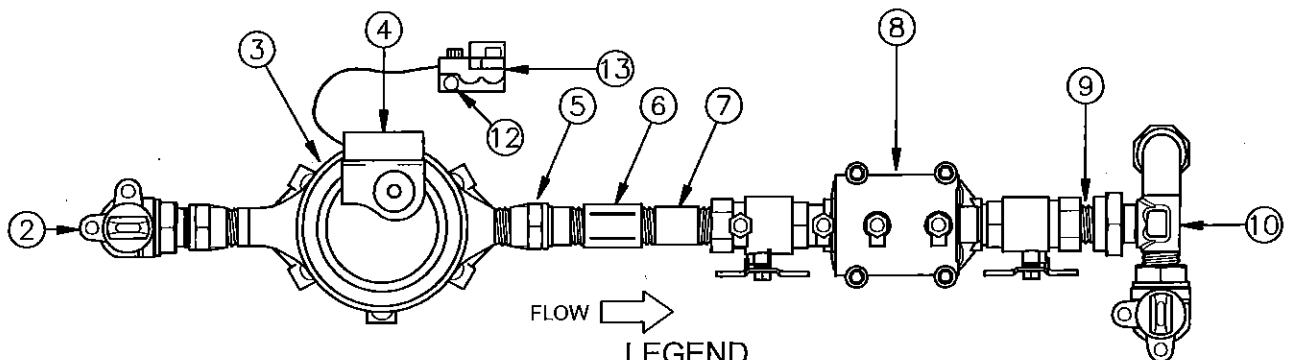
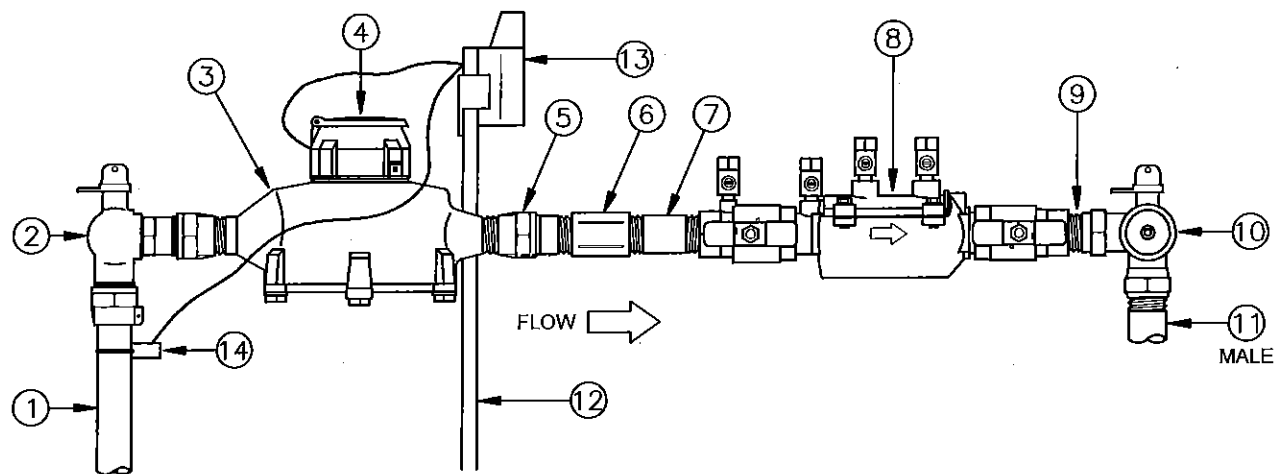
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 503.DWG

ADOPTED BY THE CITY COUNCIL:

9-23-14

DRAWING NO.

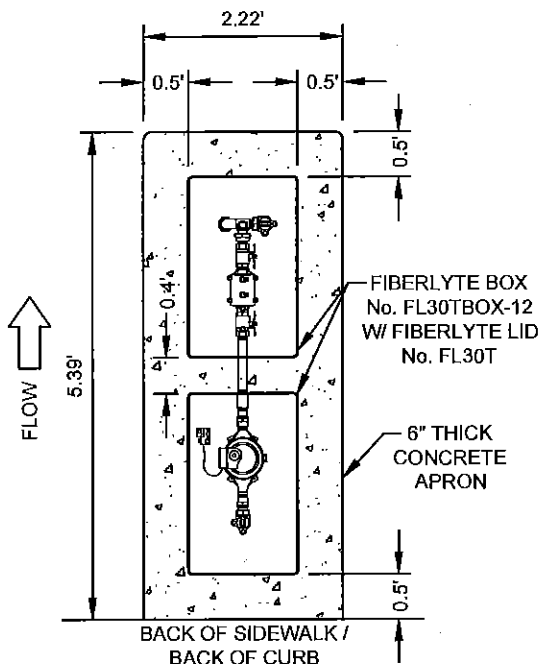
503



LEGEND

1. 1" CTS (POLY PIPE) SUPPLY LINE FROM WATER MAIN.
2. FORD 1" ANGLE BALL VALVE - MODEL BA43-444W-NL.
3. BADGER METER - MODEL 55, 1" RECORDALL COLD WATER BRONZE DISC METER WITH BRASS BOTTOM.
4. BADGER METER - HR-E 8 DIAL ENCODER REGISTER WITH ITRON IN-LINE CONNECTOR, GALLONS.
5. FORD METER COUPLING - MODEL C38-44-2-NL.
6. 1" BRASS COUPLING
7. 1" SCH-80 PVC NIPPLE (ADJUST LENGTH TO SPAN SERVICE BETWEEN TWO FIBERLYTE BOXES)
8. WILKINS - DOUBLE CHECK VALVE ASSEMBLY - MODEL 950XLT2 OR 350XLT2.
9. 1" THREADED BRASS NIPPLE.
10. FORD ELL TEE FOR FIRESETTER, 1" IN X 1" OUTLETS - MODEL LTBA 113-444W-AWT-NL, OR EQUIVALENT.
11. (2) 1" SCH-40 SUPPLY LINES TO RESIDENCE - WATER SERVICE AND FIRE SERVICE, OR EQUIVALENT.
12. 18" FIBERGLASS MOUNTING ROD.
13. ITRON 100W+ ERT@ COMMUNICATION MODULE, SHOULD BE MOUNTED ABOUT 2" BELOW FIBERLYTE, FL-30D LID.
14. ITRON LEAK SENSOR+

NOTE: WATER & FIRE SERVICE ASSEMBLY TO BE SET WITHIN TWO FIBERLYTE BOXES - No. FL30TBOX-12, WITH FIBERLYTE LIDS No. FL30T. BOXES TO BE INSTALLED IN LINE AND ALLOW ACCESS TO ALL VALVES. BLOCK BELOW BOX CUTOUTS WITH PRESSURE TREATED 2x'S.



CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

DRAWN BY:
GK

DATE:
12/6/17

SCALE:
NTS

REVISIONS:
NONE

SECTION:
WATER

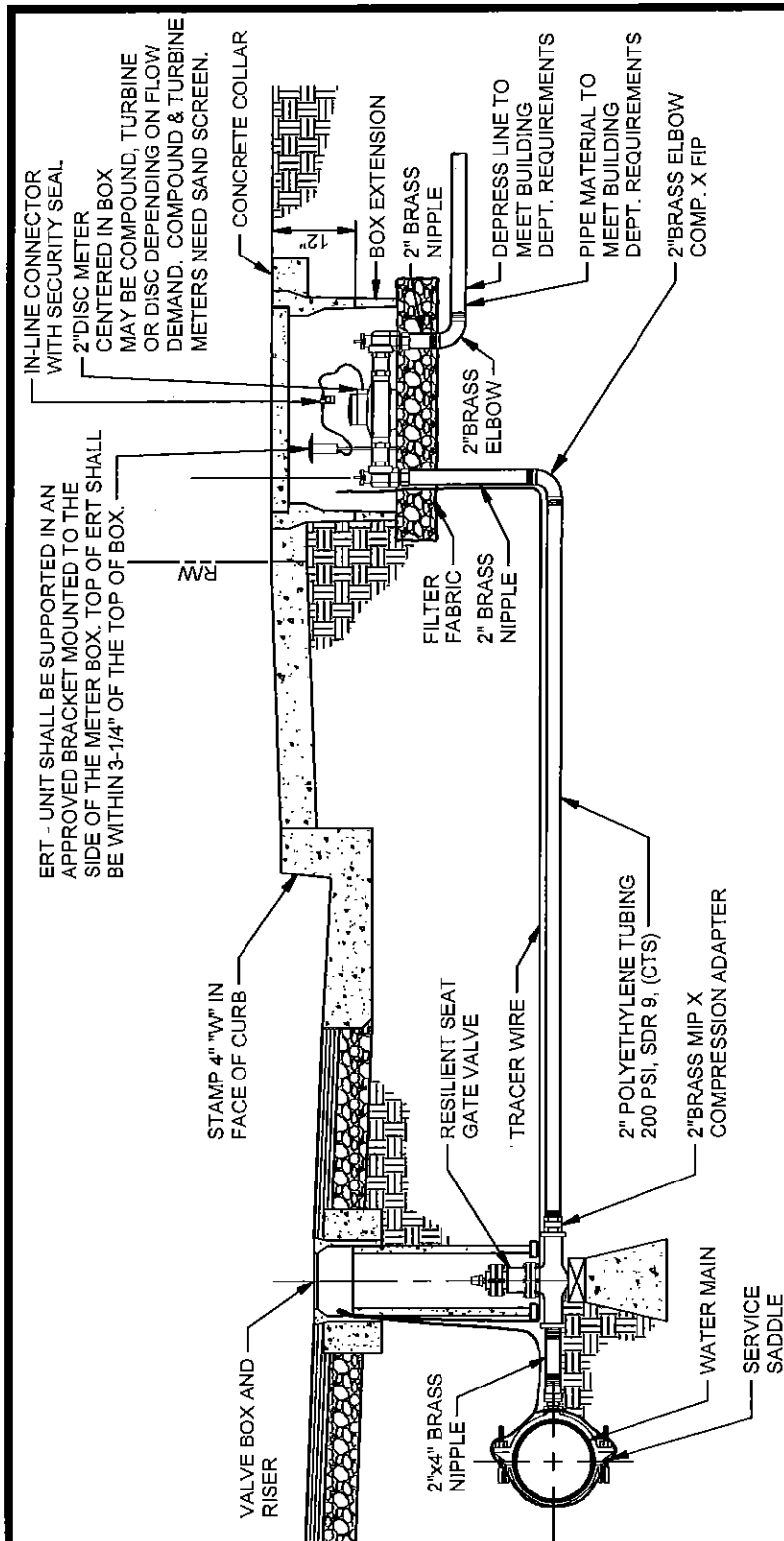
DRAWING NAME:
504.DWG

NEW 1" WATER & FIRE SERVICE - RESIDENTIAL

ADOPTED BY CITY COUNCIL

DRAWING NO.

504



NOTES:

1. ALL COMPRESSION FITTINGS SHALL HAVE STAINLESS STEEL INSERTS.
2. METER SHALL BE FURNISHED AND SET BY CONTRACTOR. PROVIDE ERT AND TRANSMITTING REGISTER WITH 5' LEAD.
3. SERVICE LATERAL AND BUILDING SUPPLY LINE SHALL BE INSTALLED UNDER BOX.
4. EXTEND BUILDING SERVICE LINE TO A MINIMUM OF EITHER 2' BEYOND BACK OF METER BOX OR 2' BEYOND BACK OF SIDEWALK AND CAP.
5. REFER TO CITY WATER STANDARDS FOR CONSTRUCTION STANDARDS, SPECIFICATIONS AND ENGINEERS LIST OF APPROVED MATERIALS.
6. NO FENCING SHALL BE INSTALLED BETWEEN STREET AND METER BOX.
7. DISTANCE BETWEEN BOX ENDS AND ANGLE BALL METER VALVES TO BE EQUAL.
8. CONNECT SERVICE TRACER WIRE TO THE TRACER WIRE ON THE MAIN. IN ABSENCE OF MAIN TRACER WIRE, WRAP SERVICE TRACER WIRE AROUND THE MAIN. RUN CONTINUOUS FROM MAIN TO METER BOX WITH LOOPS INTO EACH VALVE BOX.

METER INFORMATION:
FOR METER INFORMATION CONTACT NATIONAL
METER AND AUTOMATION INC.

CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

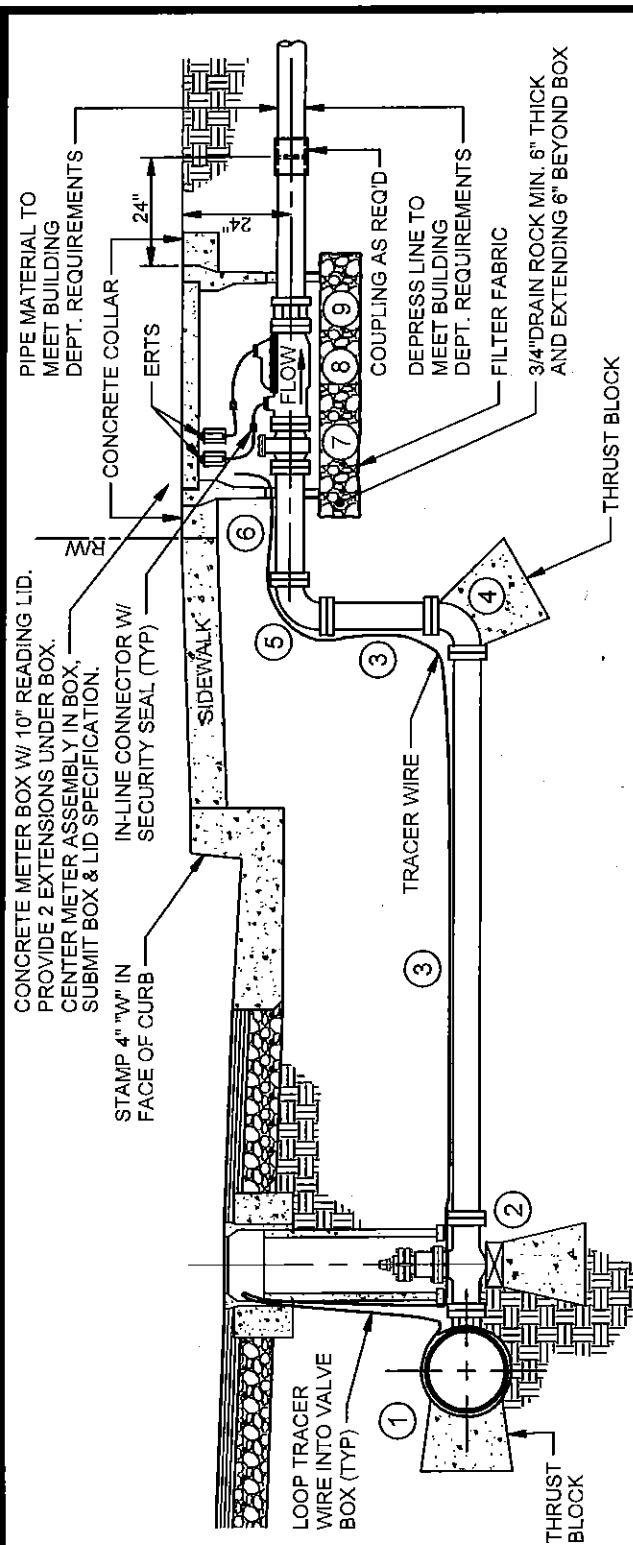
2" WATER SERVICE

DRAWN BY: GK	DATE: 1/30/18	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 505.DWG

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

505



NOTES:

1. SET METER BOX FLUSH WITH FINISHED SURFACE.
2. METER ASSEMBLY SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. PROVIDE ERTS AND TRANSMITTING REGISTERS WITH 5 FT. LEADS.
3. REFER TO CITY STANDARD 515 FOR GATE VALVE INSTALLATION DETAILS. VALVES MAY BE INSTALLED IN SIDEWALK WHERE SPACE LIMITATIONS EXIST.
4. REFER TO CITY WATER STANDARDS FOR CONSTRUCTION STANDARDS, SPECIFICATIONS AND ENGINEER'S LIST OF APPROVED MATERIALS.
5. PIPE OPENINGS IN METER BOX SHALL BE CUT - DO NOT USE HAMMER. PRIOR TO BACKFILLING, PIPE OPENINGS AND BOX JOINTS SHALL BE GROUTED.
6. CONNECT SERVICE TRACER WIRE TO THE TRACER WIRE ON THE MAIN. IN ABSENCE OF MAIN TRACER WIRE, WRAP SERVICE TRACER WIRE AROUND THE MAIN. RUN CONTINUOUS FROM MAIN TO METER BOX WITH LOOPS INTO EACH VALVE BOX.
7. ERTS TO BE MOUNTED IN APPROVED BRACKET ATTACHED TO BOX WITH STAINLESS STEEL ANCHORS. THE TOP OF ERTS SHALL BE NO MORE THAN 3-1/4\"
8. NO FENCING SHALL BE INSTALLED BETWEEN STREET AND METER BOX.
9. ALL METER ASSEMBLIES SHALL BE BADGER MODEL FSA-01.

METER INFORMATION:
FOR METER INFORMATION CONTACT NATIONAL
METER AND AUTOMATION INC.

NO	ITEM DESCRIPTION
①	TEE OR TAPPING TEE WITH FLANGED OUTLET
②	GATE VALVE, FLG X MJ
③	DIP, PVC (LENGTH AS REQUIRED, INTERMEDIATE JOINTS RESTRAINED)
④	90° ELL, MJ W/ MEGA-LUG RETAINER GLANDS
⑤	90° ELL, MJ W/ MEGA-LUG RETAINER GLAND X FLG
⑥	DIP SPOOL, FLG (24\"
⑦	PLATE STRAINER
⑧	COMPOUND METER W/ 2 TRANSMITTING REGISTERS AND 2 ERTS
⑨	FLANGED COUPLER ADAPTER

CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS

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CITY ENGINEER - WILLIAM F. KULL

DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 506.DWG

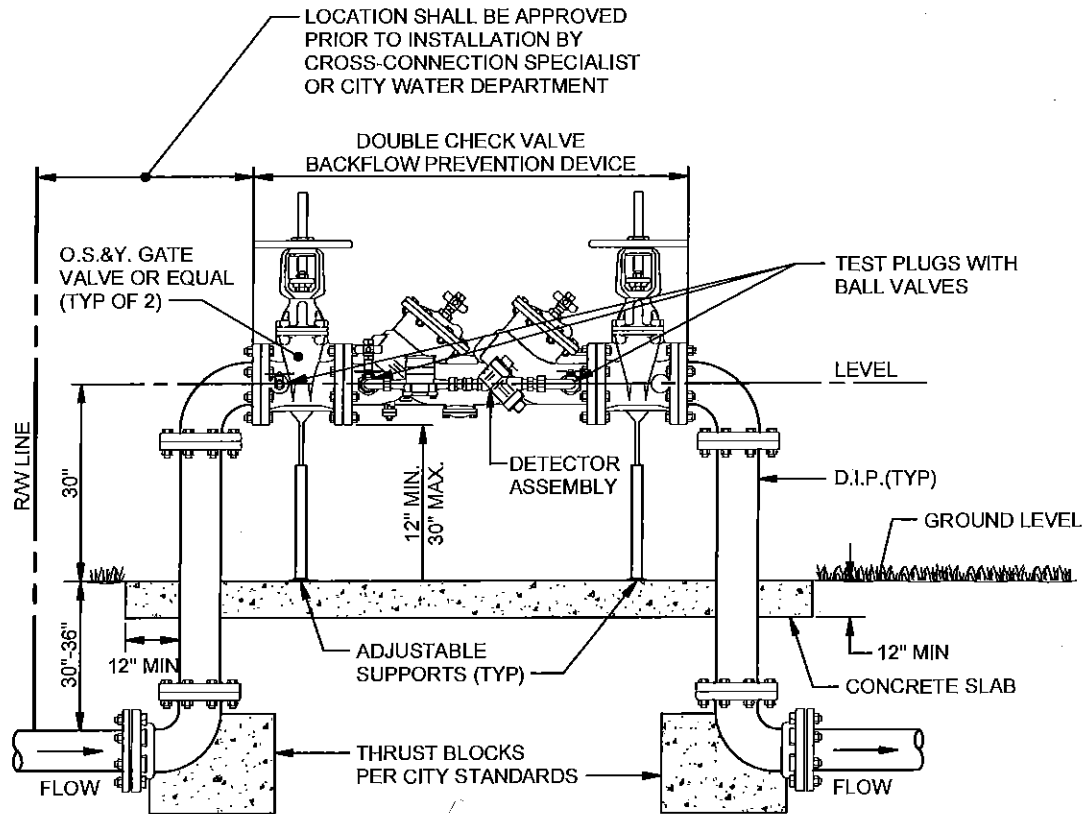
WATER SERVICE 4\"

ADOPTED BY THE CITY COUNCIL:

9-23-14

DRAWING NO.

506



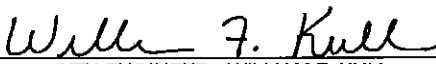
FIRE SERVICE-DOUBLE CHECK DETECTOR ASSEMBLY

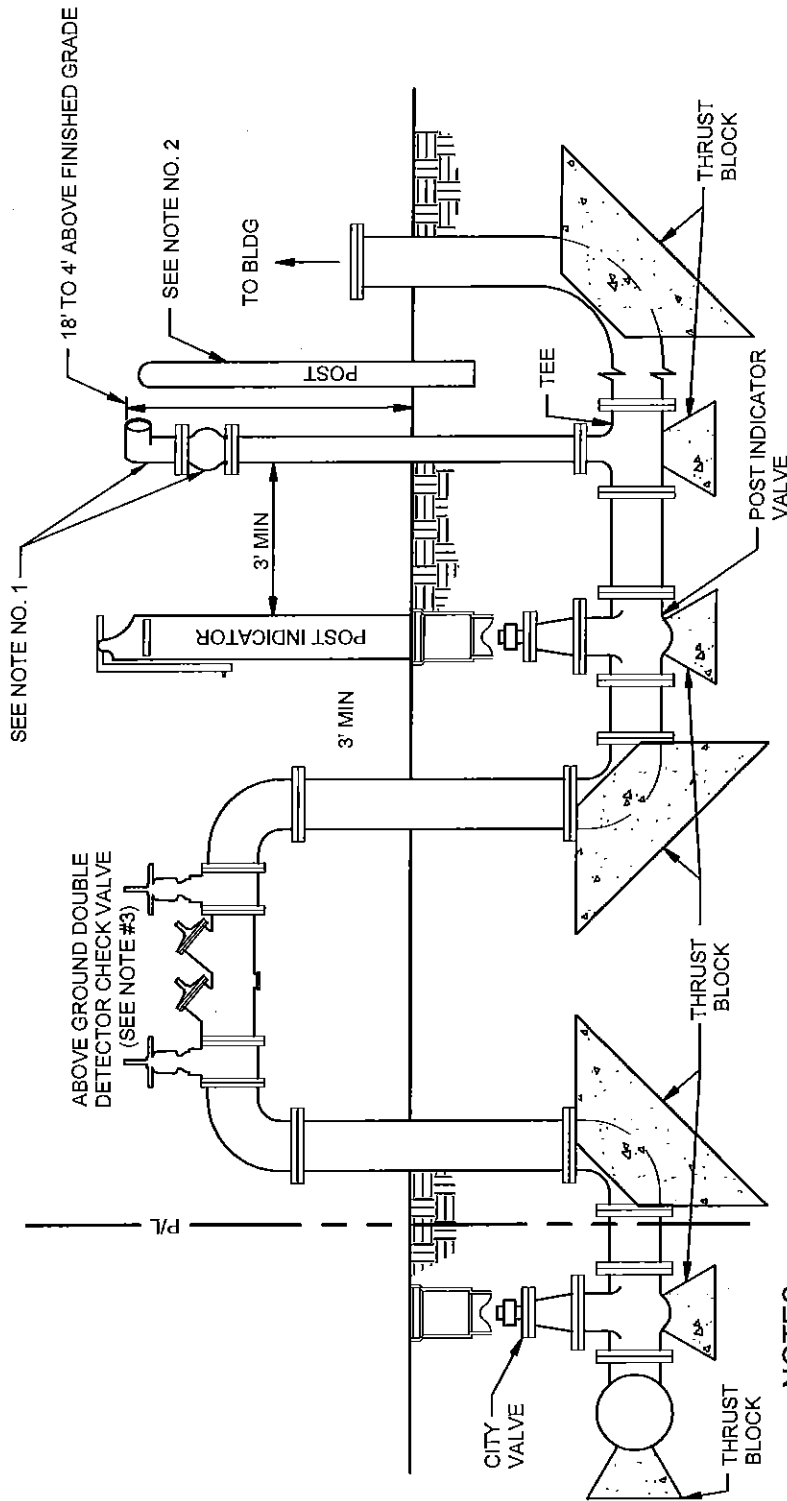
NOTES:

1. REQUIRED BY TITLE 17 OF THE CALIF. DEPT OF HEALTH SERVICES, MODEL OF BACKFLOW DEVICE TO BE DETERMINED FOR EACH INSTALLATION DEPENDING ON THE TYPE OF HAZARD AND UPON ALLOWABLE HEAD LOSS.
2. BARRIER POST SHALL BE LOCATED TO PROTECT PIPING AND VALVES. CURB AND PARKING BARRIERS CAN BE CONSIDERED PROTECTION IF EFFECTIVELY LOCATED.
3. DEVICE SHALL BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
4. CERTIFICATION REQUIRED PRIOR TO ACCEPTANCE.
5. ALL DESIGN PLANS ARE TO BE SUBMITTED TO THE CROSS-CONNECTION SPECIALIST FOR APPROVAL AND A CROSS CONNECTION SURVEY IS TO COMPLETED TO EVALUATE HAZARDS THAT POSSIBLY EXIST.
6. ELECTRONICALLY MONITORED TAMPER SWITCHES ARE REQUIRED IN ACCORDANCE WITH NFPA72.

MATERIALS:

1. ALL STEEL PIPE SHALL BE AS PER AWWA C-200 WITH 1/4" WALL COATED AND LINED BY FUSION BONDED EPOXY AS PER AWWA C-213, 20 MILS MINIMUM
2. ALL STEEL FLANGES SHALL BE CLASS D AS PER AWWA C-207
3. ALL DUCTILE IRON FITTINGS SHALL MEET AWWA C-153 CLASS 150. THE INTERIOR SHALL BE MORTAR LINED AS PER AWWA C-104 AND BELOW GROUND EXTERIOR SHALL HAVE A COAL TAR COATING AS PER AWWA C-203.
4. ALL NUTS AND BOLTS BELOW GROUND SHALL BE POLYETHYLENE ENCASED AS PER AWWA C-105 AND TAPE WRAPPED AS PER AWWA C-209. 20 MILS MINIMUM IN BOTH CASES.
5. STEEL CAGE & BLANKET REQUIRED.

CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS			FIRE SERVICE DOUBLE DETECTOR CHECK VALVE	
 CITY ENGINEER - WILLIAM F. KULL			ADOPTED BY THE CITY COUNCIL:	
DRAWN BY: GK	DATE: 12/6/17	SCALE: NTS	DRAWING NO. 507	
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 507.DWG		



NOTES:

1. LISTED AND APPROVED FIRE DEPT. CONNECTION WITH CHECK VALVE PER CITY OF RIVERBANK FIRE DEPT. REQUIREMENTS.
2. GUARD POSTS AS REQUIRED.
3. DOUBLE CHECK VALVE WITH VALVES DETERMINED BY FIRE SPRINKLER DESIGNER WITH APPROVAL BY THE CITY CROSS CONNECTION SPECIALIST. ALSO REQUIRED FOR FIRE HYDRANTS ON PRIVATE PROPERTY.
4. CLASS 3-8 FIRE SPRINKLER SYSTEMS SHALL REQUIRE A REDUCED PRESSURE DEVICE. PLANS SHALL BE APPROVED BY THE CROSS CONNECTION SPECIALIST.
5. CLASS 200, C-900 PIPE.
5. BLANKET AND CAGE REQUIRED ON ALL INSTALLATIONS

**CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS**

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

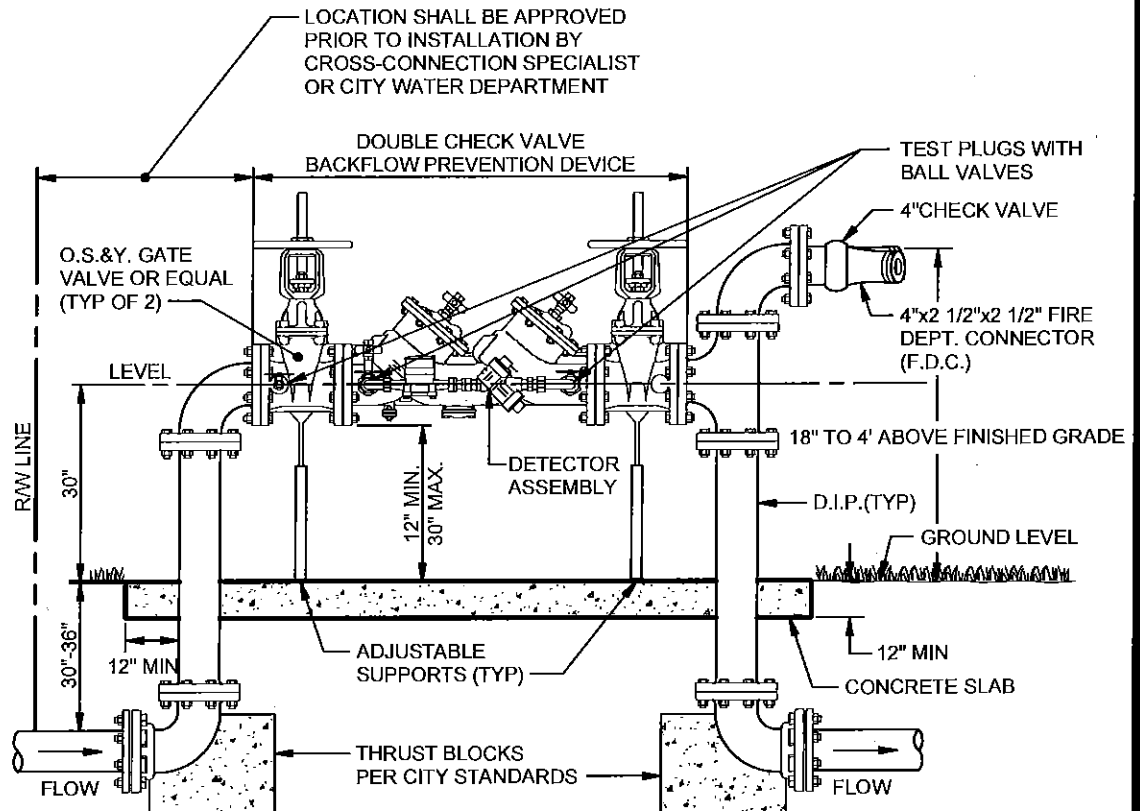
**FIRE SERVICE DOUBLE
DETECTOR CHECK VALVE
WITH P.I.V. AND F.D.C.**

DRAWN BY: GK	DATE: 1/30/18	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 508.DWG

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

508



FIRE SERVICE-DOUBLE DETECTOR CHECK VALVE WITH FIRE DEPARTMENT CONNECTION

NOTES:

1. REQUIRED BY TITLE 17 OF THE CALIF. DEPT OF HEALTH SERVICES, MODEL OF BACKFLOW DEVICE TO BE DETERMINED FOR EACH INSTALLATION DEPENDING ON THE TYPE OF HAZARD AND UPON ALLOWABLE HEAD LOSS.
2. BARRIER POST SHALL BE LOCATED TO PROTECT PIPING AND VALVES. CURB AND PARKING BARRIERS CAN BE CONSIDERED PROTECTION IF EFFECTIVELY LOCATED.
3. DEVICE SHALL BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
4. CERTIFICATION REQUIRED PRIOR TO ACCEPTANCE.
5. ALL DESIGN PLANS ARE TO BE SUBMITTED TO THE CROSS-CONNECTION SPECIALIST FOR APPROVAL AND A CROSS CONNECTION SURVEY IS TO COMPLETED TO EVALUATE HAZARDS THAT POSSIBLY EXIST.
6. ELECTRONICALLY MONITORED TAMPER SWITCHES ARE REQUIRED IN ACCORDANCE WITH NFPA72.

MATERIALS:

1. ALL STEEL PIPE SHALL BE AS PER AWWA C-200 WITH 1/4" WALL COATED AND LINED BY FUSION BONDED EPOXY AS PER AWWA C-213, 20 MILS MINIMUM
2. ALL STEEL FLANGES SHALL BE CLASS D AS PER AWWA C-207
3. ALL DUCTILE IRON FITTINGS SHALL MEET AWWA C-153 CLASS 200. THE INTERIOR SHALL BE MORTAR LINED AS PER AWWA C-104 AND BELOW GROUND EXTERIOR SHALL HAVE A COAL TAR COATING AS PER AWWA C-203.
4. ALL NUTS AND BOLTS BELOW GROUND SHALL BE POLYETHYLENE ENCASED AS PER AWWA C-105 AT TAPE WRAPPED AS PER AWWA C-209. 20 MILS MINIMUM IN BOTH CASES.
5. STEEL CAGE AND BLANKET REQUIRED.

**CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS**

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

**FIRE SERVICE DOUBLE
DETECTOR CHECK VALVE
WITH F.D.C.**

DRAWN BY:
GK

DATE:
1/30/18

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

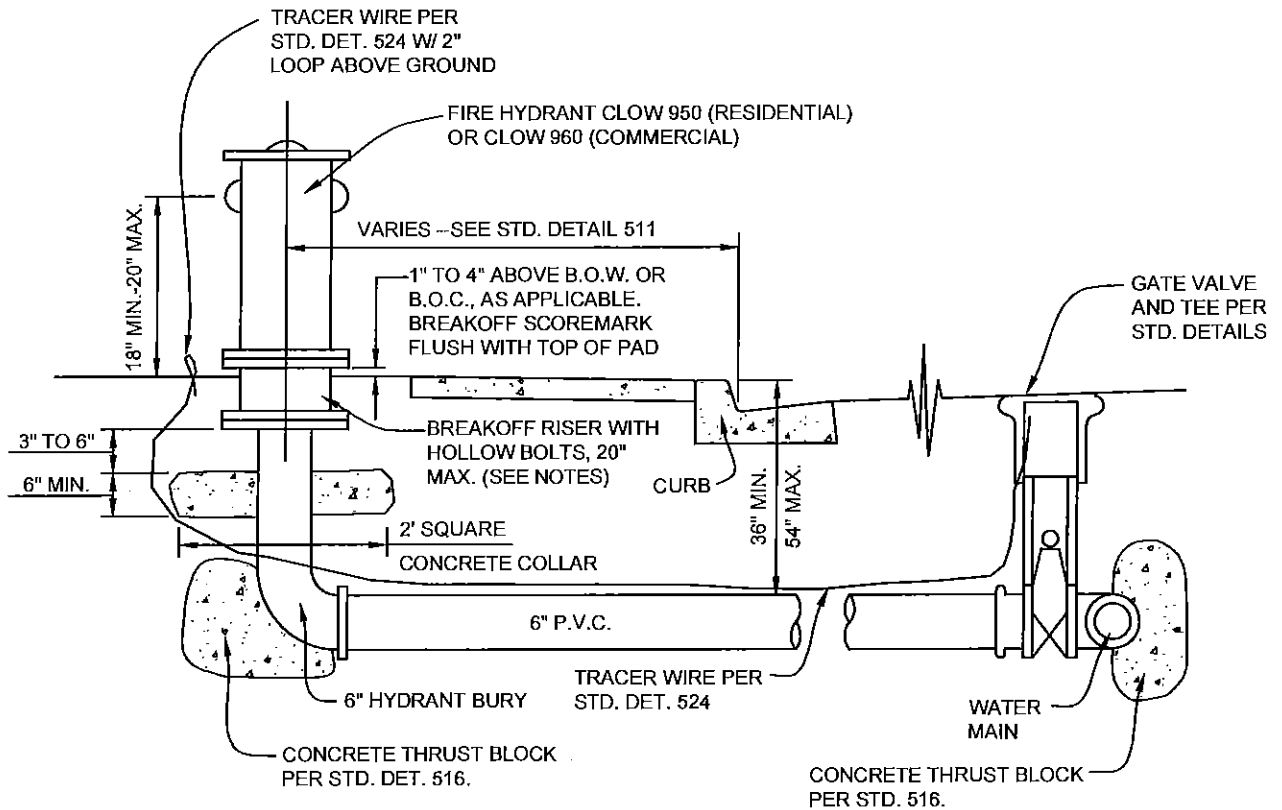
DRAWING NO.

REVISIONS:
NONE

SECTION:
WATER

DRAWING NAME:
509.DWG

509



NOTES:

1. ALL FIRE HYDRANTS ARE TO HAVE HOLLOW BOLTS LOCATED THROUGH THE FIRE HYDRANT FLANGE WITH THEM POINTING DOWN.
2. ALL FIRE HYDRANTS WILL BE INSTALLED SO THAT THE DISTANCE BETWEEN THE CENTER OF THE 4 1/2" OUTLET AND THE TOP OF SIDEWALK OR CURB IN ALL ZONES WILL BE NO LESS THAN 18" AND NO GREATER THAN 20".
3. ALL HYDRANTS SHALL BE PAINTED SAFETY YELLOW AT THE FACTORY AND FURNISHED WITH NATIONAL STANDARD HOSE THREAD OUTLETS AND CAST IRON CAPS.
4. INSTALL GUARD POSTS WHERE HYDRANTS ARE INSTALLED IN PAVED AREAS ACCESSIBLE TO TRAFFIC, OR AS OTHERWISE DIRECTED BY THE CITY ENGINEER.
5. ALL FIRE HYDRANTS WHEN INSTALLED, POSITIONED OR REPOSITIONED SUCH THAT THE 4 1/2" DISCHARGE IS 45 DEGREES FROM THE RUN OF THE STREET. IF LOCATED ON A CORNER, 4 1/2" DISCHARGE SHALL BE 45 DEGREES FROM RUN OF NEAREST STREET.
6. HYDRANTS SHALL HAVE ONE 4-1/2" OUTLET, AND TWO 2-1/2" OUTLETS MINIMUM, AND SHALL BE OF A TYPE APPROVED BY THE STANISLAUS CONSOLIDATED FIRE DISTRICT.
7. EACH HYDRANT SHALL BE INSTALLED WITH A BLUE RETROREFLECTIVE PAVEMENT MARKER, INSTALLED 6" FROM THE ADJACENT CENTERLINE OF THE ROADWAY. IF ON A CORNER, MARKERS WILL BE PLACED ON BOTH ADJACENT STREETS.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

FIRE HYDRANT INSTALLATION

DRAWN BY:
GK

DATE:
7/21/15

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

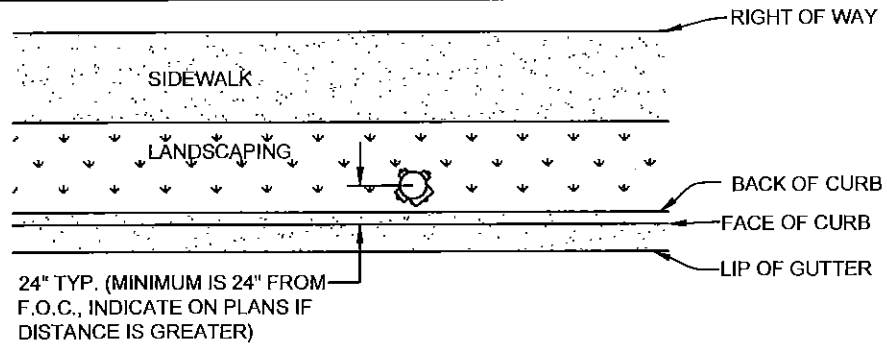
REVISIONS:
NONE

SECTION:
WATER

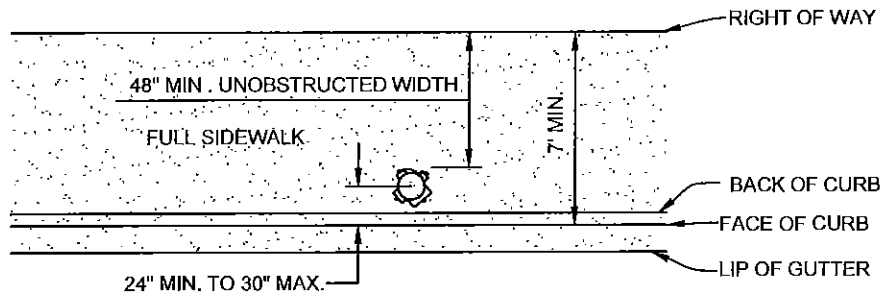
DRAWING NAME:
510.DWG

9-23-14

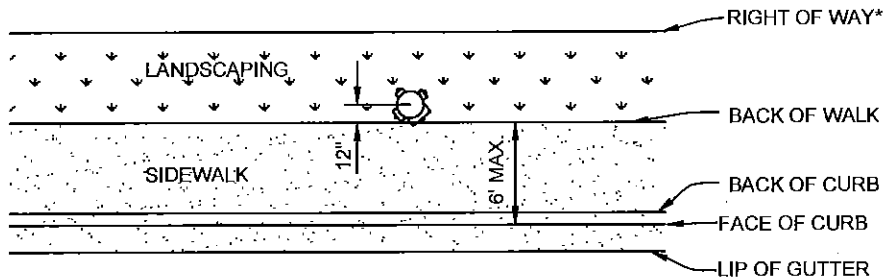
510



SPLIT LANDSCAPE / SIDEWALK



FULL SIDEWALK



SIDEWALK ADJACENT TO CURB

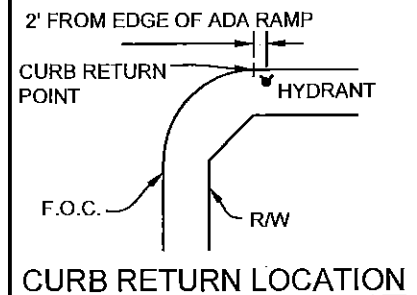
* NOTE: EASEMENT OR ADDITIONAL R/W DEDICATION WILL BE REQUIRED IF SUFFICIENT LANDSCAPE AREA IS NOT AVAILABLE WITHIN R/W FOR INSTALLATION OF HYDRANT.

NOTES:

1. MAINTAIN 48" MIN. CLEAR UNOBSTRUCTED TRAVEL WAY ON SIDEWALKS AND 24" MIN. CLEARANCE FROM F.O.C. IN LOCATIONS WITH DIFFERENT WIDTHS THAN SHOWN ABOVE.

2. HYDRANTS SHALL BE INSTALLED A MIN. OF 5' FROM THE EDGE OF RESIDENTIAL DRIVEWAYS, AND 10' FROM COMMERCIAL DRIVEWAYS. (DISTANCE TAKEN FROM DRIVEWAY THROAT)

3. THE PREFERRED LOCATION FOR HYDRANTS ARE ON CURB RETURNS. HYDRANTS ON STRAIGHT RUNS SHALL BE LOCATED ON PROPERTY LINES WHENEVER POSSIBLE.



CURB RETURN LOCATION

**CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS**

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

**FIRE HYDRANT
LOCATION**

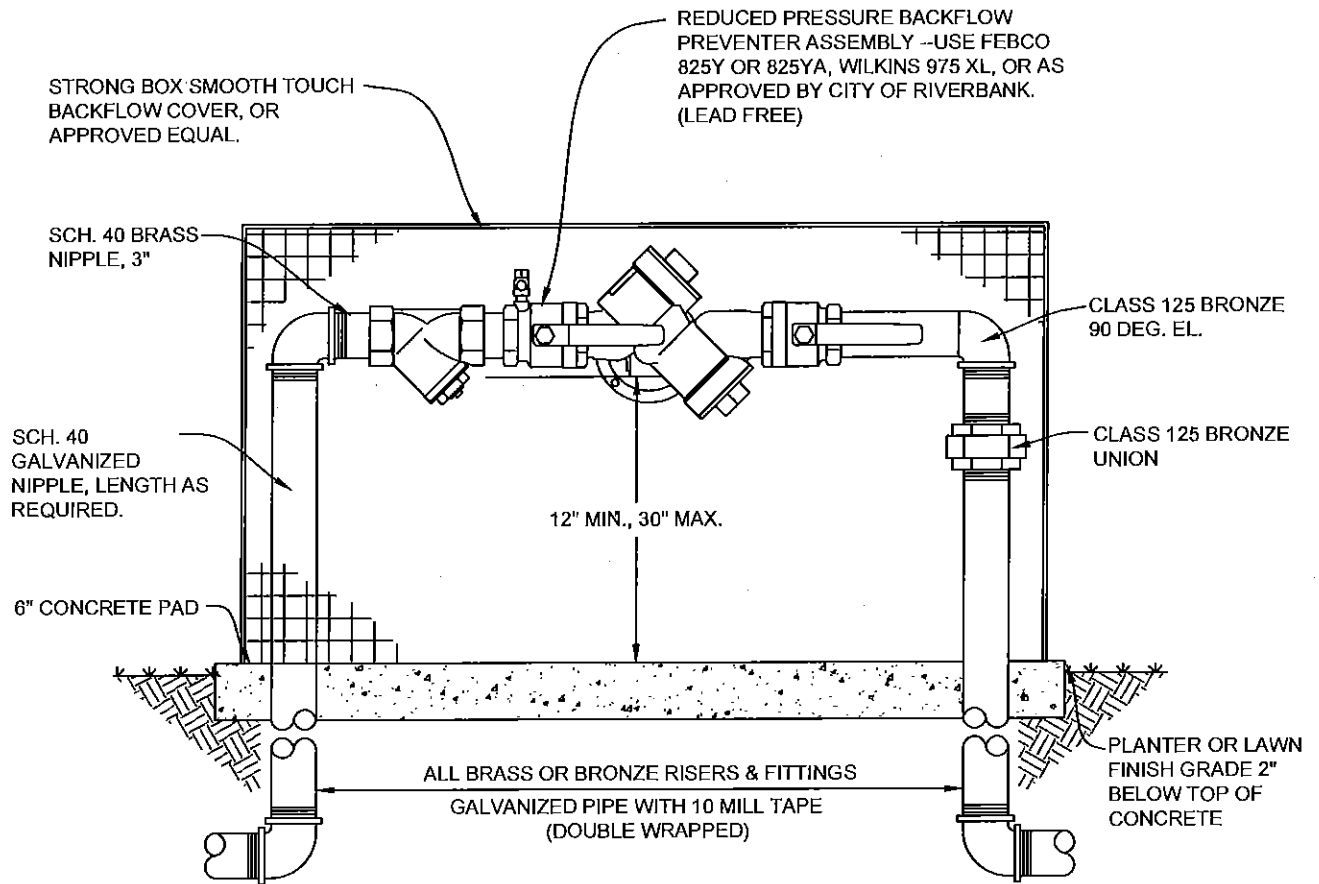
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 511.DWG

ADOPTED BY THE CITY COUNCIL:

9-23-14

DRAWING NO.

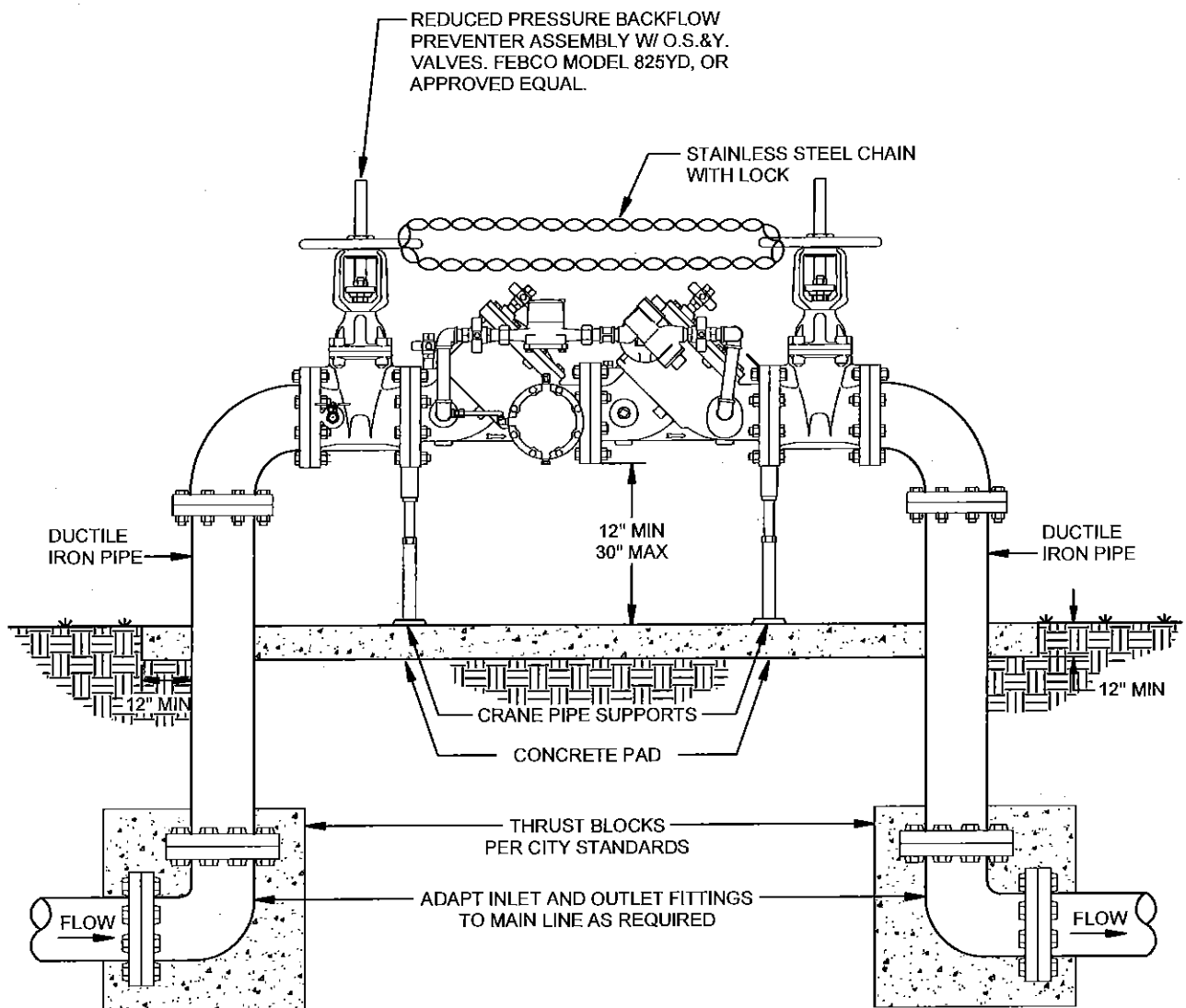
511



NOTES:

1. INSTALL APPROPRIATELY SIZED WEATHER BLANKET AND CAGE TO ALL BACKFLOW PREVENTION DEVICES.
2. BACKFLOW PREVENTERS SHALL BE PLACED IN LANDSCAPE AREAS, A MIN. OF 24" CLEAR FROM ADJACENT CURBS. BACKFLOW PREVENTERS NOT PLACED IN CURBS SHALL REQUIRE GUARD POSTS TO THE SATISFACTION OF THE CITY ENGINEER.

CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS			REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY 1" TO 2 1/2" SIZE	
William F. Kull CITY ENGINEER - WILLIAM F. KULL				
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS	ADOPTED BY THE CITY COUNCIL: 9-23-14	DRAWING NO. 512
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 512.DWG		



NOTES:

1. INSTALL 12" AIR GAP MINIMUM (CONSULT LOCAL CODE)
2. ALL CONNECTIONS ON ASSEMBLY TO BE FLANGED.
3. BACKFLOW ASSEMBLY SHOULD BE PLACED IN A PLANTER SO THAT PLANT MATERIAL WILL SCREEN VIEW OF THE ASSEMBLY FROM THE STREET.
4. INSTALL APPROPRIATELY SIZED WEATHER BLANKET AND CAGE.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

**REDUCED PRESSURE PRINCIPLE
BACKFLOW PREVENTION
ASSEMBLY FOR 3" & LARGER**

DRAWN BY:
GK

DATE:
7/21/15

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

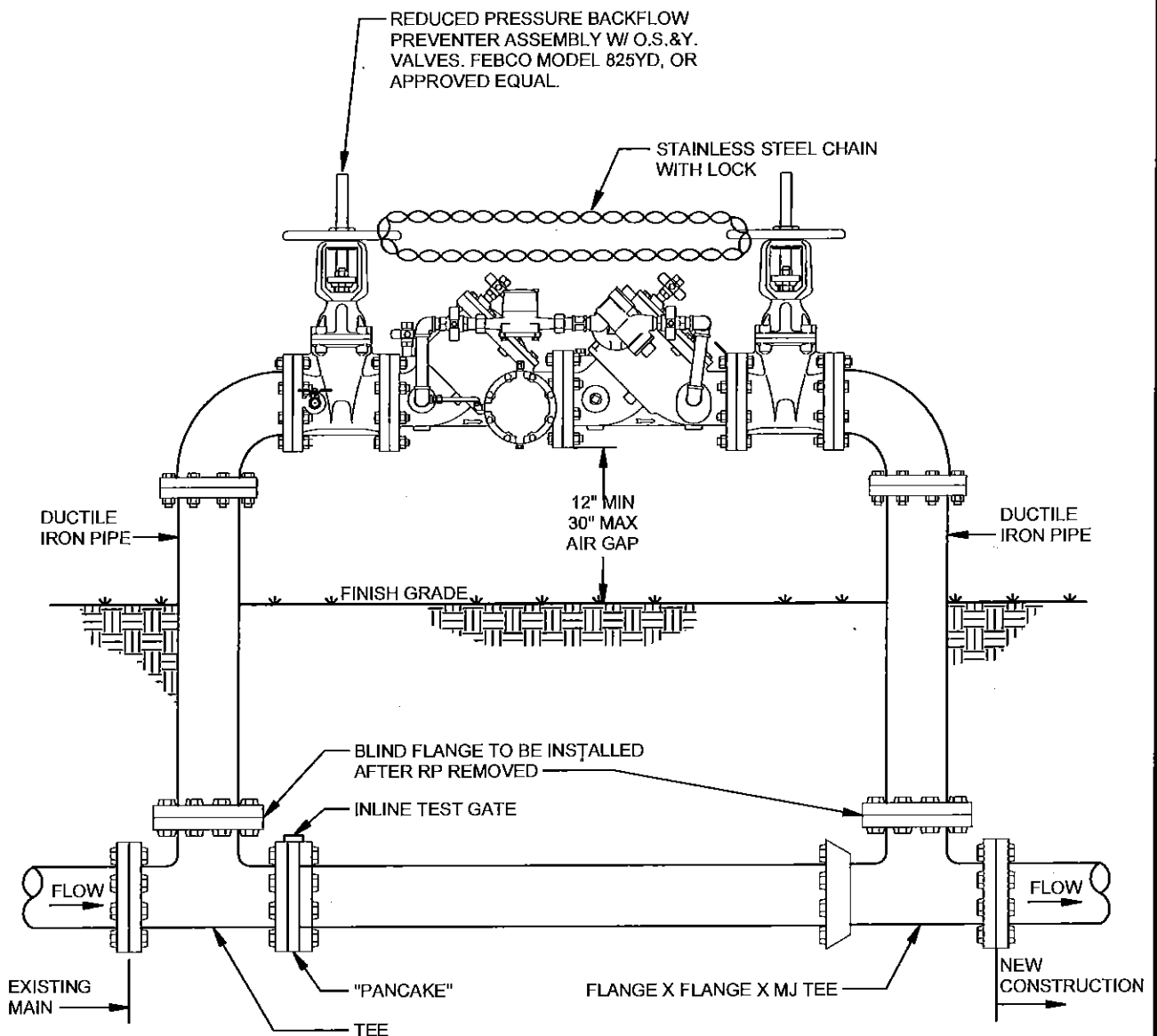
REVISIONS:
NONE

SECTION:
WATER

DRAWING NAME:
513.DWG

9-23-14

513



NOTES:

1. BACKFLOW DEVICE TO BE SAME SIZE AS EXISTING MAIN.
2. CONTRACTOR TO PROVIDE INLINE METER REQUIRED BY CITY.
3. CONSTRUCTION METER REQUIRED BY CITY.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

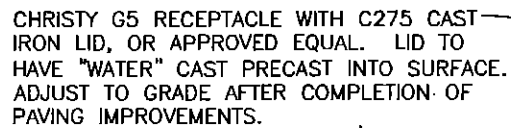
**TEMPORARY
BACKFLOW PREVENTION
ASSEMBLY FOR 3" & LARGER**

DRAWN BY: GK	DATE: 1/30/18	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 514.DWG

ADOPTED BY THE CITY COUNCIL:

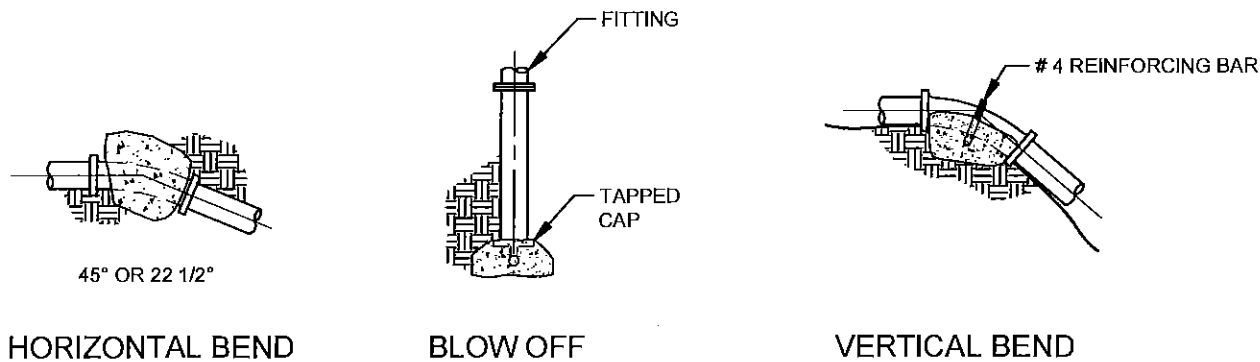
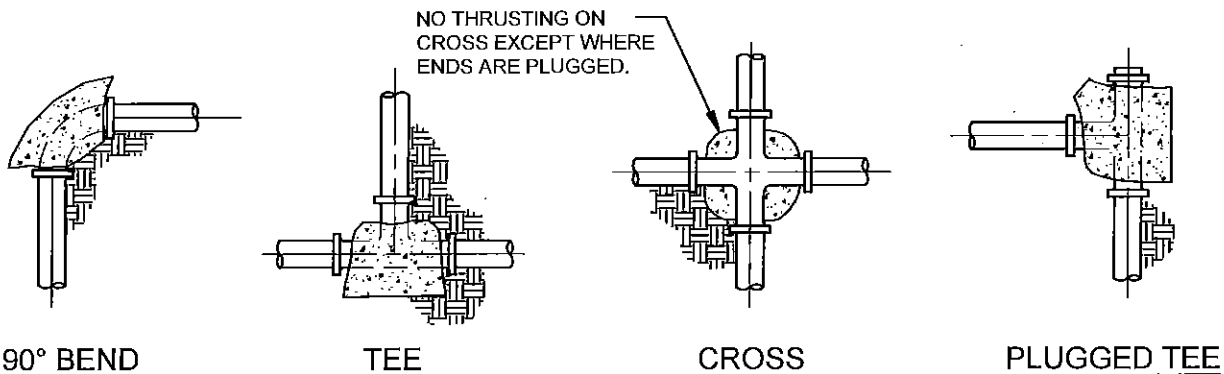
DRAWING NO.

514



1. INSTALL EXTENSION STEM WHEN DISTANCE FROM VALVE COVER TO OPERATING NUT IS GREATER THAN 48"
2. VALVES SHALL HAVE FLANGED FITTINGS AT ALL TEES AND CROSSES UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. PLACE VISQUEEN AROUND VALVES BEFORE PLACEMENT OF CONCRETE SUPPORTS.
4. VALVES SHALL BE RESILIENT SEAT GATE FOR LINES 12" OR LESS, AND BUTTERFLY VALVES FOR LINES GREATER THAN 12".

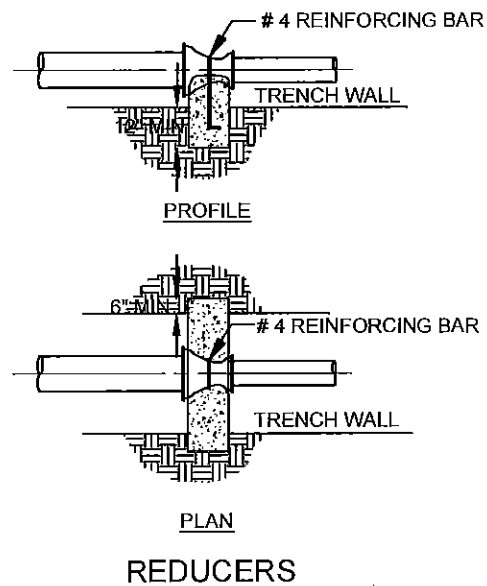
CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS			WATER VALVE INSTALLATION	
<i>William F. Kull</i> CITY ENGINEER - WILLIAM F. KULL				
DRAWN BY: GK	DATE: 12/6/17	SCALE: NTS	ADOPTED BY THE CITY COUNCIL:	
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 515.DWG	DRAWING NO. 515	



MINIMUM THRUST BLOCK BEARING AREAS IN SQUARE FEET				
PIPE SIZES	90°	45°	22 1/2°	TEES & BLOWOFF
6"	3	2	2	2
8"	4	3	2	3
10"	6	4	3	4
12"	8	5	3	6
14"	12	7	4	8

NOTES:

1. CONCRETE SHALL BE 2000 PSI MINIMUM AT 28 DAYS.
2. THRUST BLOCKS SHALL BE PLACED AGAINST UNDISTURBED EARTH.
3. ALL FITTINGS SHALL BE SUPPORTED IN CONCRETE.
4. FOR FIRE HYDRANT THRUSTING SEE 90° BEND.
5. DON'T COVER FLANGE BOLTS WITH CONCRETE.
6. WRAP ALL FITTINGS AND FLANGES WITH VISQUEEN.
7. USE RESTRAINT LENGTH CALCULATOR FOR ADDITIONAL JOINTS.



CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

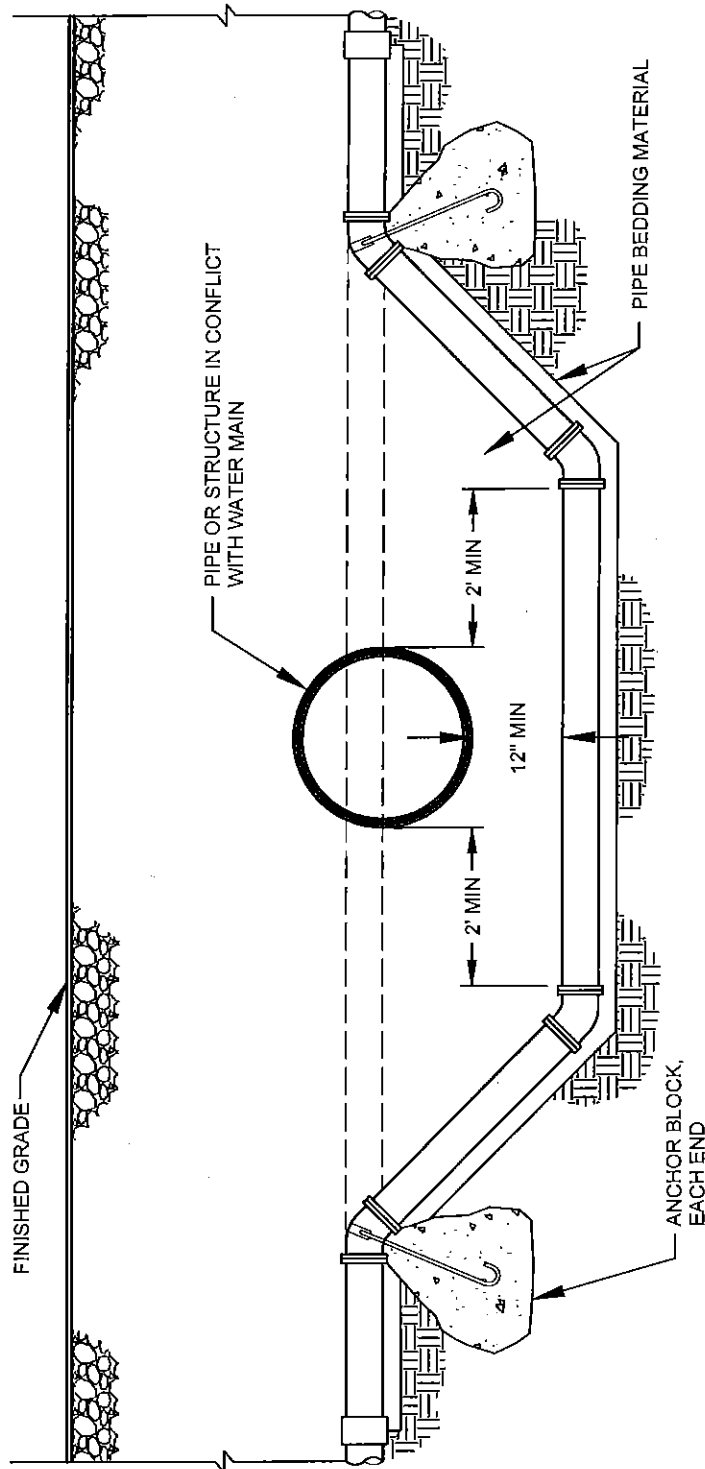
THRUST BLOCK
REQUIREMENTS

DRAWN BY: GK	DATE: 12/6/17	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 516.DWG

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

516



NOTES:

1. ALL PIPE AND FITTINGS SHALL BE DUCTILE IRON & SHALL BE WRAPPED IN POLYETHYLENE - PER CITY OF RIVERBANK STD CONSTRUCTION SPECIFICATIONS.
2. ONLY MECHANICAL JOINT FITTINGS WITH RESTRAINED JOINTS MAY BE USED.
3. ALL BENDS SHALL BE 45° OR 22-1/2° FITTINGS.
4. USE RESTRAINT LENGTH CALCULATOR FOR ADDITIONAL JOINTS.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

WATER MAIN
LOWERING

DRAWN BY:
GK

DATE:
7/21/15

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

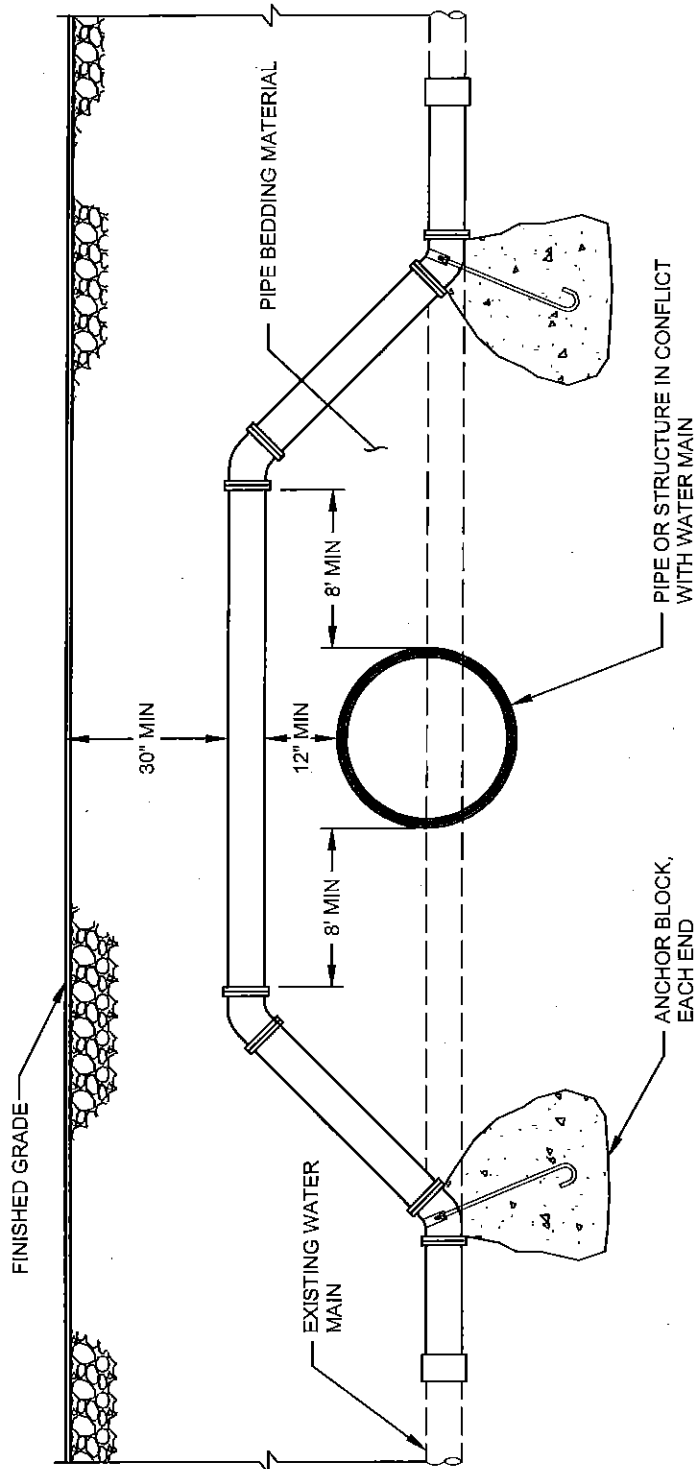
REVISIONS:
NONE

SECTION:
WATER

DRAWING NAME:
517.DWG

9-23-14

517



NOTES:

1. ALL PIPE AND FITTINGS SHALL BE CLASS-200 C-900 OR EQUIVALENT PER AWWA STANDARDS
2. ONLY MECHANICAL JOINT FITTINGS WITH RESTRAINED JOINTS MAY BE USED.
3. ALL BENDS SHALL BE 45° OR 22-1/2° FITTINGS. - NO 90° BENDS ALLOWED.
4. IF A MINIMUM COVER OF 30" CAN NOT BE ACHIEVED, THE NEW WATER LINE SHALL BE INCASED WITH CONCRETE (SEE STD. DWG. NO. W-10) 2 FEET PAST BOTH EXISTING UTILITY PIPE EDGE.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

**WATER MAIN CROSSING
OVER EXISTING UTILITY**

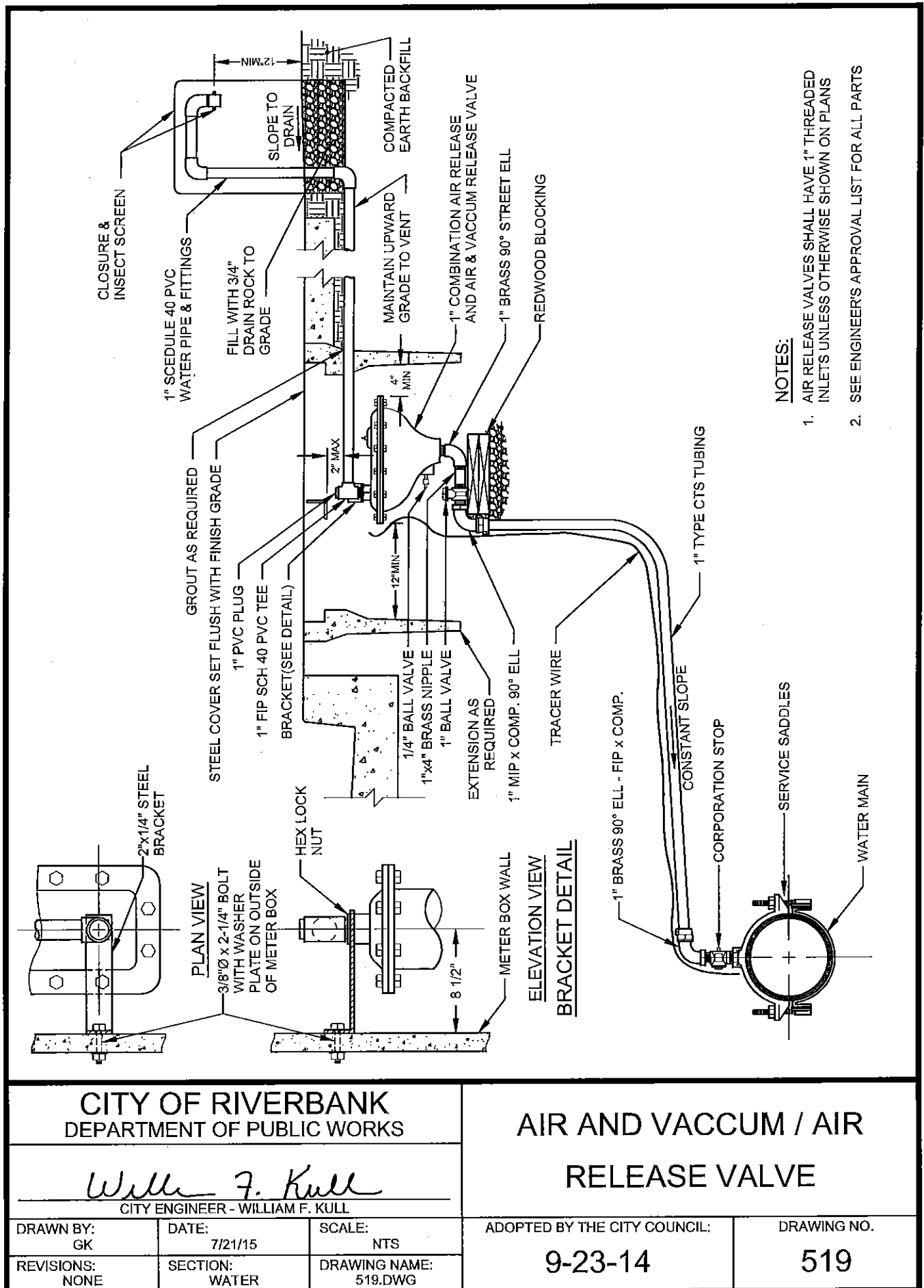
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 518.DWG

ADOPTED BY THE CITY COUNCIL:

9-23-14

DRAWING NO.

518



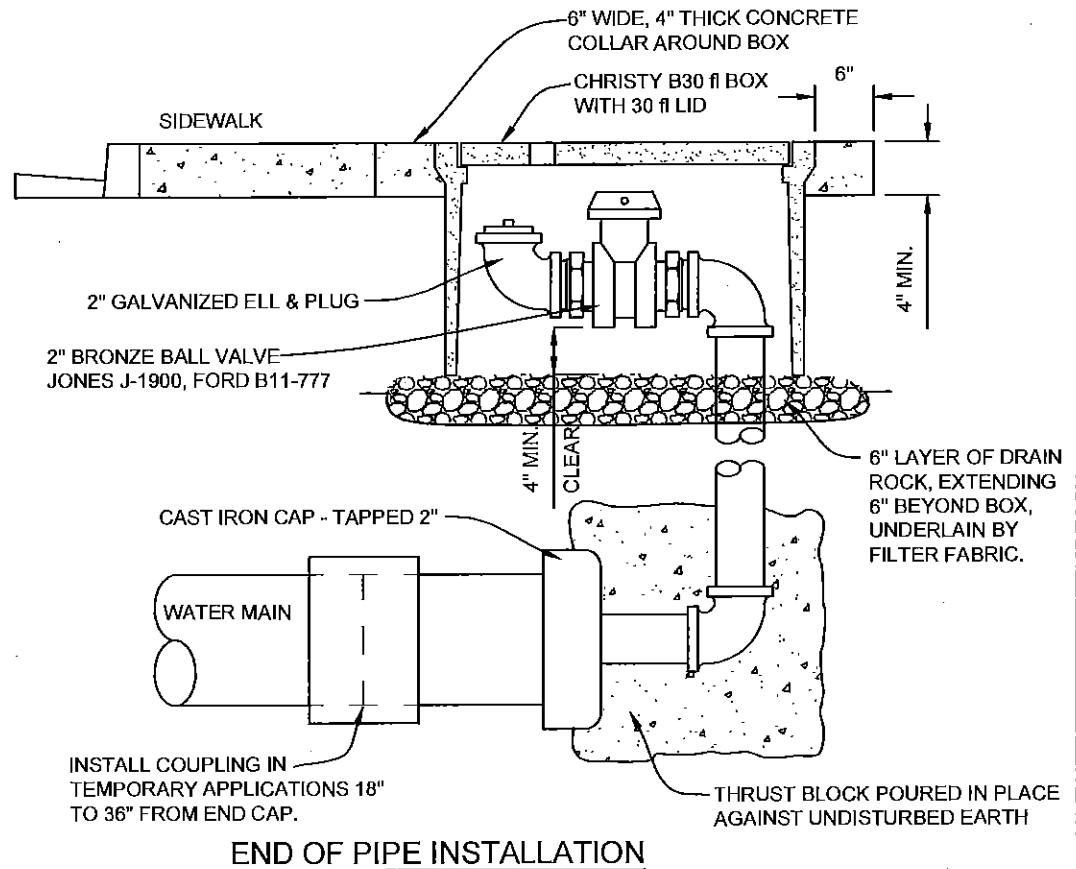
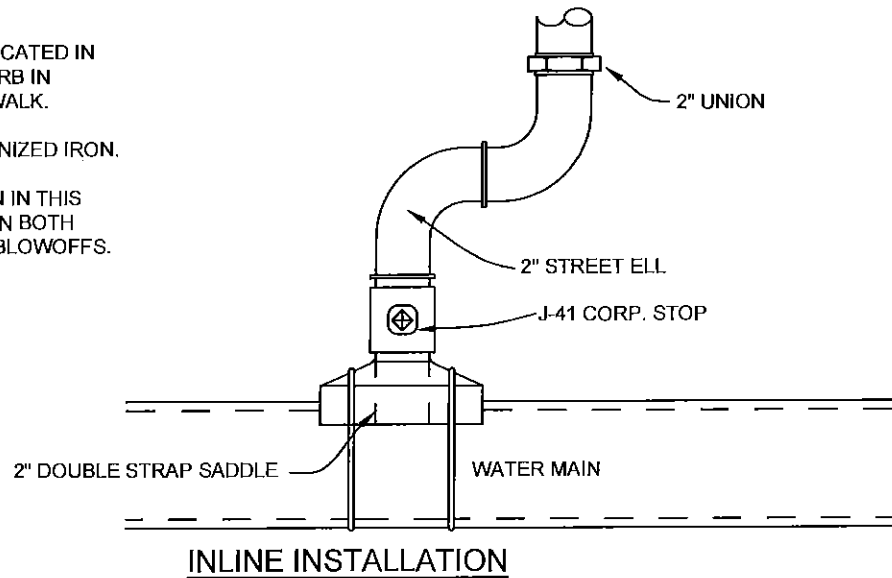
NOTES:

1. AIR RELEASE VALVES SHALL HAVE 1" THREADED INLETS UNLESS OTHERWISE SHOWN ON PLANS
2. SEE ENGINEER'S APPROVAL LIST FOR ALL PARTS

CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS			AIR AND VACCUM / AIR RELEASE VALVE	
<i>William F. Kull</i> CITY ENGINEER - WILLIAM F. KULL			ADOPTED BY THE CITY COUNCIL:	
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS	9-23-14	
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 519.DWG	DRAWING NO. 519	

NOTES:

1. BLOW-OFF SHALL NOT BE LOCATED IN SIDEWALK. LOCATE BEHIND CURB IN LANDSCAPING IF IN SPLIT SIDEWALK.
2. ALL FITTINGS TO BE 2" GALVANIZED IRON.
3. ALL APPURTENANCES SHOWN IN THIS DETAIL ARE TO BE INSTALLED ON BOTH TEMPORARY AND PERMANENT BLOWOFFS.
4. TRACER WIRE REQUIRED.



CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

WATER BLOWOFF

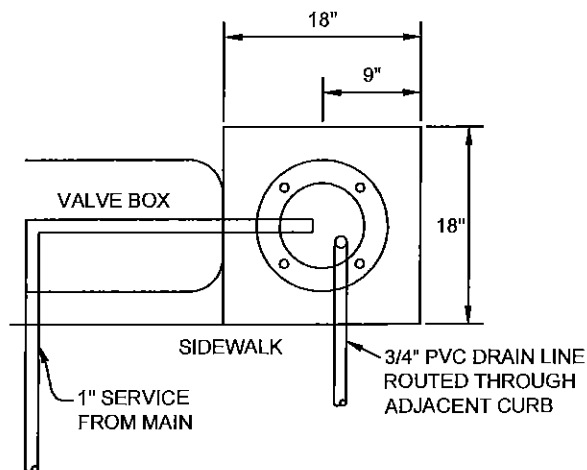
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 520.DWG

ADOPTED BY THE CITY COUNCIL:

9-23-14

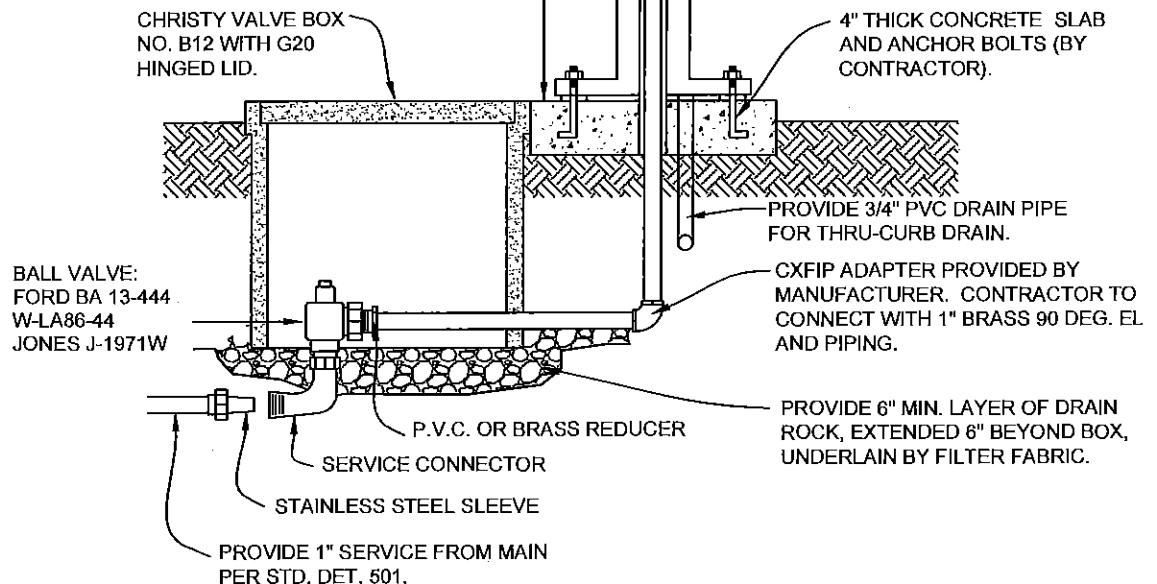
DRAWING NO.

520



THE PREFERRED LOCATION FOR SAMPLING STATION IS BEHIND THE BACK OF WALK. IN SPLIT SIDEWALKS, STATION MAY BE LOCATED IN LANDSCAPE STRIP PROVIDED A 24" MIN. CLEARANCE IS MAINTAINED FROM THE ADJACENT FACE OF CURB.

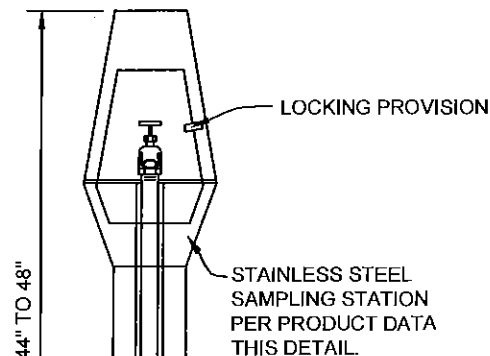
CONCRETE BASE DETAIL



PRODUCT DATA

MODEL: MX 3000 SAMPLING STATION
 VENDOR: STEEL SOURCE CONSTRUCTION
 ADDRESS: 20885 REDWOOD RD.
 CASTRO VALLEY, CA 94546
 PHONE: 510-582-2700
 FAX: 510-582-2750
 www.steelsourceco.com

NOTE: ALTERNATE MANUFACTURERS AND MODELS MAY BE SUBSTITUTED GIVEN THE APPROVAL OF THE CITY PUBLIC WORKS DEPT.



CITY OF RIVERBANK
 DEPARTMENT OF PUBLIC WORKS

William F. Kull
 CITY ENGINEER - WILLIAM F. KULL

WATER SAMPLING STATION

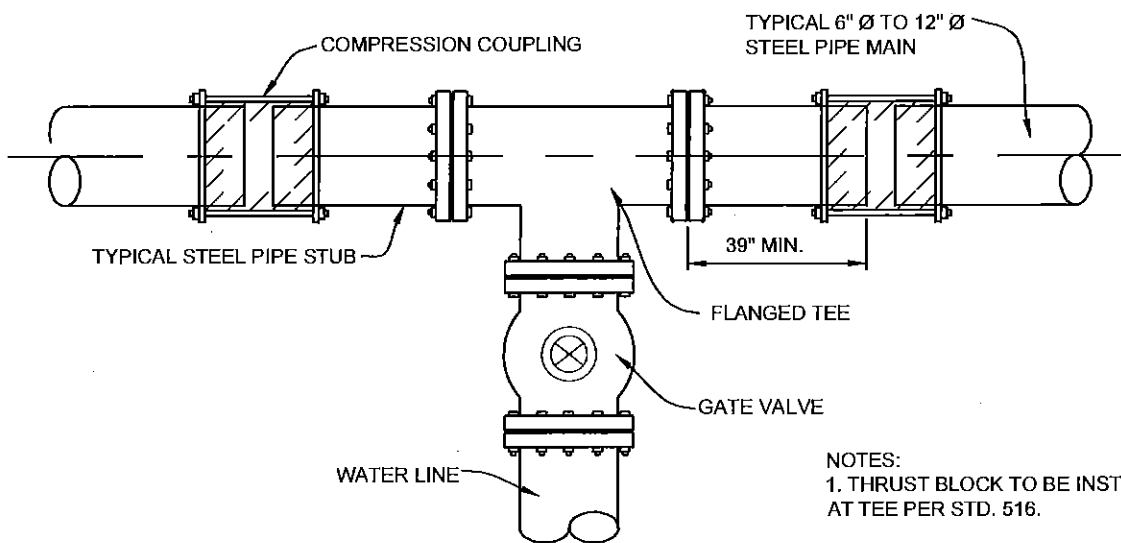
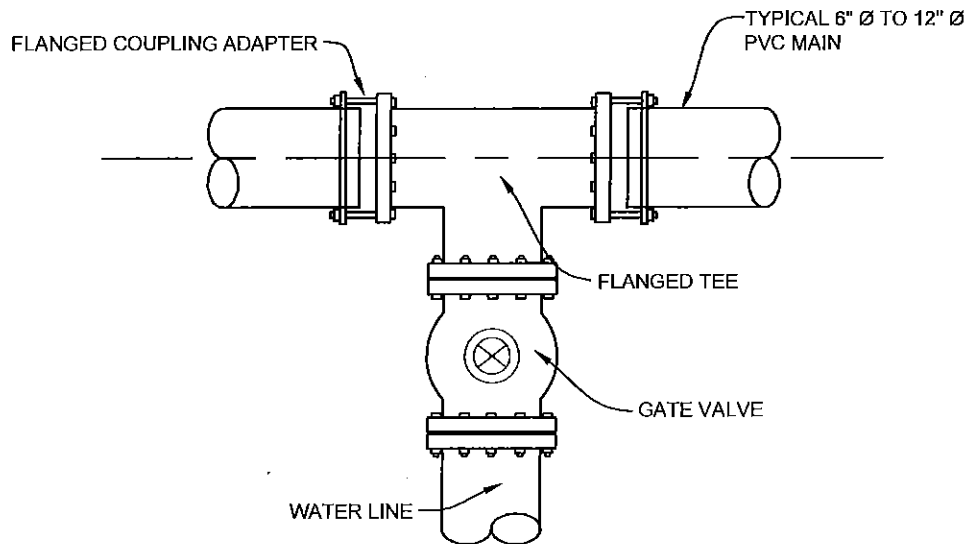
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 521.DWG

ADOPTED BY THE CITY COUNCIL:

9-23-14

DRAWING NO.

521



- NOTES:
1. THRUST BLOCK TO BE INSTALLED AT TEE PER STD. 516.
 2. GATE VALVE TO BE SUPPORTED ON CONCRETE PIER BLOCK PER STD. 515.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

TEE & GATE VALVE INSTALLATION ON EX. MAIN

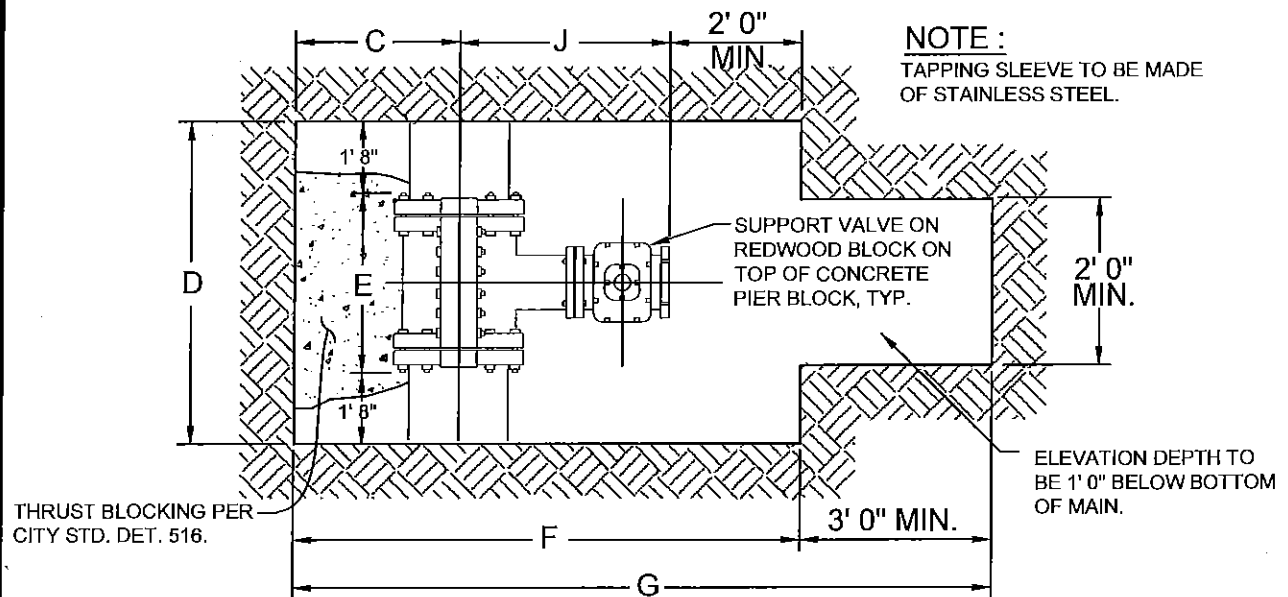
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 522.DWG

ADOPTED BY THE CITY COUNCIL:

9-23-14

DRAWING NO.

522



TAPPING SLEEVE SIZE	C	D	E	F	G	J
4 X 2"	1' 3"	4' 9"	16 1/2"	4' 5"	7' 5"	14 1/32"
4 X 3"	1' 3"	4' 9"	16 1/2"	4' 6"	7' 6"	14 3/4"
4 X 4"	1' 3"	4' 9"	16 1/2"	4' 10"	7' 10"	18 9/16"
6 X 2"	1' 4"	4' 10"	18 3/8"	4' 7"	7' 7"	15 5/32"
6 X 3"	1' 4"	4' 10"	18 3/8"	4' 8"	7' 8"	15 7/8"
6 X 4"	1' 4"	4' 10"	18 3/8"	5' 0"	8' 0"	20 3/8"
6 X 6"	1' 4"	4' 10"	18 3/8"	5' 1"	8' 1"	21 7/16"
8 X 2"	1' 5"	4' 11"	19 1/4"	4' 10"	7' 10"	16 17/32"
8 X 3"	1' 5"	4' 11"	19 1/4"	4' 10"	7' 10"	17 1/4"
8 X 4"	1' 5"	4' 11"	19 1/4"	5' 2"	8' 2"	21 1/16"
8 X 6"	1' 5"	4' 11"	19 1/4"	5' 4"	8' 4"	22 13/16"
8 X 8"	1' 5"	5' 1"	21 1/4"	5' 6"	8' 6"	24 5/8"
10 X 2"	1' 6"	4' 11"	19"	5' 0"	8' 0"	17 25/32"
10 X 3"	1' 6"	4' 11"	19"	5' 1"	8' 1"	18 1/2"
10 X 4"	1' 6"	4' 11"	19"	5' 5"	8' 5"	22 9/16"
10 X 6"	1' 6"	5' 11"	19"	5' 6"	8' 6"	23 13/16"
10 X 8"	1' 6"	5' 3"	23"	5' 7"	8' 7"	25 5/16"
10 X 10"	1' 6"	5' 3"	23"	5' 9"	8' 9"	26 3/8"
12 X 2"	1' 7"	4' 11"	19"	5' 2"	8' 2"	18 29/32"
12 X 3"	1' 7"	4' 11"	19"	5' 3"	8' 3"	19 5/8"
12 X 4"	1' 7"	4' 11"	19"	5' 7"	8' 7"	23 9/16"
12 X 6"	1' 7"	4' 11"	19"	5' 8"	8' 8"	24 13/16"
12 X 8"	1' 7"	5' 1"	21"	5' 9"	8' 9"	25 5/16"
12 X 10"	1' 7"	5' 5"	25"	5' 10"	8' 10"	27 3/8"
12 X 12"	1' 7"	5' 5"	25"	5' 11"	8' 11"	27 1/2"
14 X 4"	1' 8"	5' 8"	27 3/4"	5' 9"	8' 9"	24 5/8"
14 X 6"	1' 8"	5' 8"	27 3/4"	5' 10"	8' 10"	25 7/16"
14 X 8"	1' 8"	5' 8"	27 3/4"	6' 0"	9' 0"	27 15/16"
14 X 10"	1' 8"	5' 8"	27 3/4"	6' 1"	9' 1"	29"
14 X 12"	1' 8"	5' 8"	27 3/4"	6' 1"	9' 1"	29 1/8"
14 X 14"	1' 8"	6' 2"	33 1/2"	6' 2"	9' 2"	30 1/4"

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

TAPPING SLEEVE INSTALLATION

DRAWN BY:
GK

DATE:
7/21/15

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

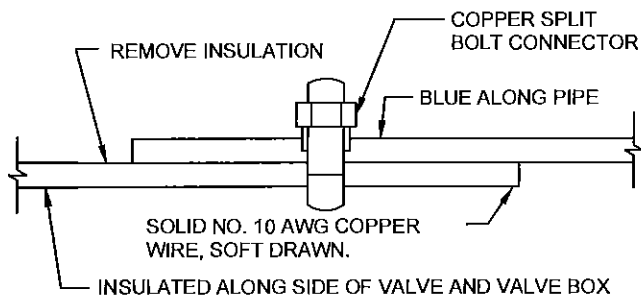
REVISIONS:
NONE

SECTION:
WATER

DRAWING NAME:
523.DWG

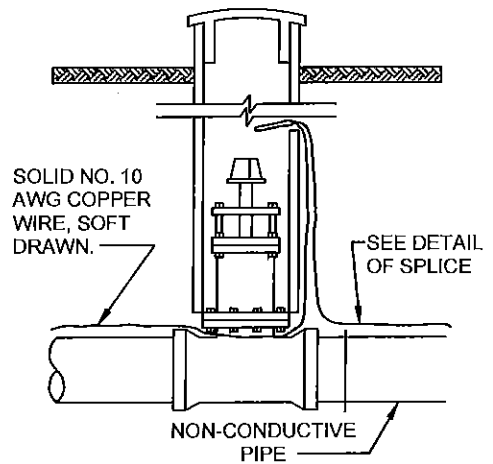
9-23-14

523

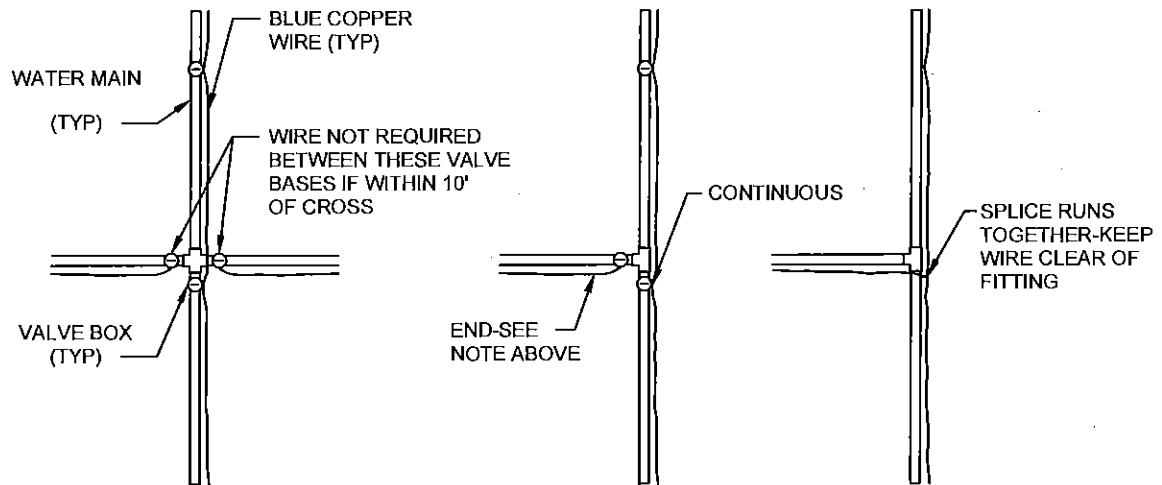


NOTE: IF WIRE ENDS AT VALVE BOX, RUN SINGLE INSULATED LEAD UP TO 10' BELOW GROUND.

DETAIL OF CONNECTION



INSTALLATION AT VALVE BOX



TYPICAL PLACING AT MAIN INTERSECTIONS

NOTES:

1. WIRE TO BE CONTINUOUS BETWEEN VALVE BOXES, EXCEPT WHERE BOXES ARE WITHIN TEN (10') FEET OF PIPE INTERSECTION.
2. BLUE WIRE NOT TO TOUCH VALVE OR FITTINGS. (COATED WIRE ONLY)
3. LOCATING WIRE TO BE LAID AT TOP OF PIPE.
4. SECURE TO TOP OF PIPE WITH TAPE AT 6' INTERVALS

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

TRACER WIRE INSTALLATION

DRAWN BY:

GK

DATE:

1/30/18

SCALE:

NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

REVISIONS:
NONE

SECTION:
WATER

DRAWING NAME:
524.DWG

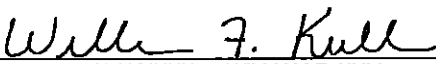
524

ALLOWABLE GALLONS LOST IN ONE HOUR AT 150 PSI

PIPE LENGTH (FT)	PIPE DIAMETER					
	4"	6"	8"	10"	12"	15"
25	0.03	0.04	0.05	0.06	0.08	0.09
50	0.05	0.08	0.10	0.13	0.15	0.19
75	0.08	0.11	0.15	0.19	0.23	0.28
100	0.10	0.15	0.20	0.25	0.30	0.38
125	0.13	0.19	0.25	0.31	0.38	0.47
150	0.15	0.23	0.30	0.38	0.45	0.56
175	0.18	0.26	0.35	0.44	0.53	0.66
200	0.20	0.30	0.40	0.50	0.60	0.75
225	0.23	0.34	0.45	0.56	0.68	0.84
250	0.25	0.38	0.50	0.63	0.75	0.94
275	0.28	0.41	0.55	0.69	0.83	1.03
300	0.30	0.45	0.60	0.75	0.90	1.13
325	0.33	0.49	0.65	0.81	0.98	1.22
350	0.35	0.53	0.70	0.88	1.05	1.31
375	0.38	0.56	0.75	0.94	1.13	1.41
400	0.40	0.60	0.80	1.00	1.20	1.50
425	0.43	0.64	0.85	1.06	1.28	1.59
450	0.45	0.68	0.90	1.13	1.35	1.69
475	0.48	0.71	0.95	1.19	1.43	1.78
500	0.50	0.75	1.00	1.25	1.50	1.88
525	0.53	0.79	1.05	1.31	1.58	1.97
550	0.55	0.83	1.10	1.38	1.65	2.06
575	0.58	0.86	1.15	1.44	1.73	2.16
600	0.60	0.90	1.20	1.50	1.80	2.25
625	0.63	0.94	1.25	1.56	1.88	2.34
650	0.65	0.98	1.30	1.63	1.95	2.44
675	0.68	1.01	1.35	1.69	2.03	2.53
700	0.70	1.05	1.40	1.75	2.10	2.63
725	0.73	1.09	1.45	1.81	2.18	2.72
750	0.75	1.13	1.50	1.88	2.25	2.81
775	0.78	1.16	1.55	1.94	2.33	2.91
800	0.80	1.20	1.60	2.00	2.40	3.00

NOTE:

IN ACCORDANCE WITH CITY CONSTRUCTION STANDARDS, NEW WATERLINES SHALL BE HYDROSTATICALLY TESTED TO A MINIMUM OF 150 PSI, FOR A PERIOD OF NOT LESS THAN 2 HOURS. NO PIPE INSTALLATION SHALL BE ACCEPTED IF LEAKAGE FOR THE SECTION EXCEEDS A RATE IN GALLONS PER HOUR PER ONE THOUSAND FEET (GPH/1000') OF 0.25 MULTIPLIED BY THE PIPE DIAMETER IN INCHES. (GPH/1000' < 0.25xPIPE DIA.) THIS CHART COMPUTES MAXIMUM ALLOWABLE LEAKAGE RATES FOR VARIOUS LENGTHS OF PIPE BASED ON THIS STANDARD, AND IS INTENDED AS A CONVENIENCE, ONLY.

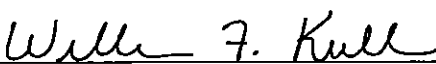
CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS			WATER HYDROSTATIC PRESSURE / LOSS	
 CITY ENGINEER - WILLIAM F. KULL			ADOPTED BY THE CITY COUNCIL:	
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS	9-23-14	
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 525.DWG	525	

ALLOWABLE GALLONS LOST IN ONE HOUR AT 150 PSI

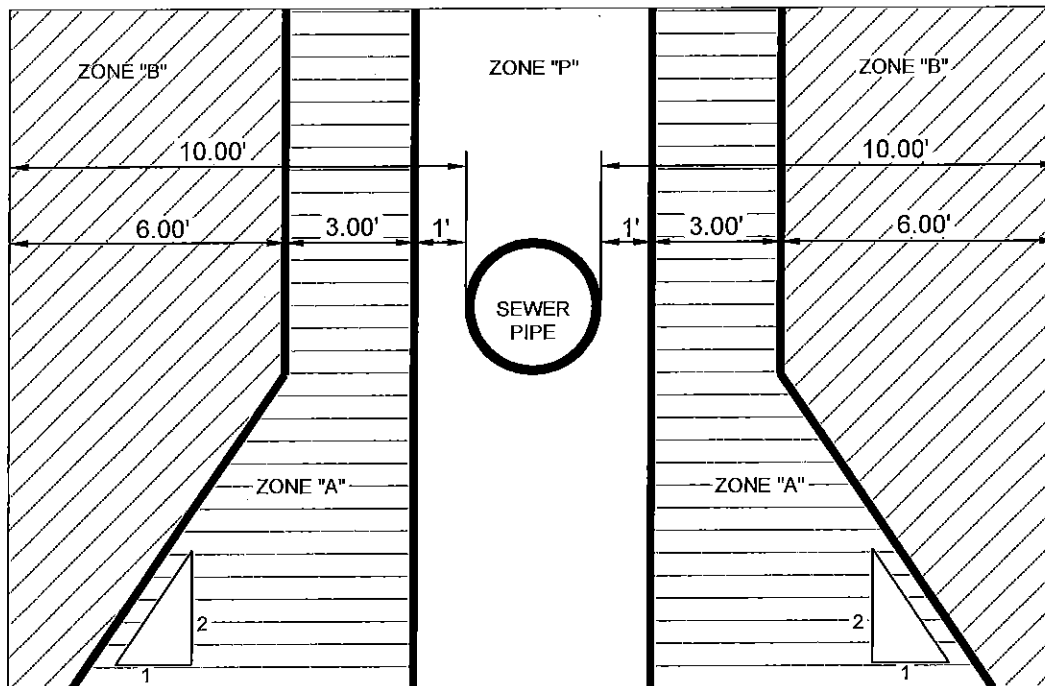
PIPE LENGTH (FT)	PIPE DIAMETER					
	4"	6"	8"	10"	12"	15"
825	0.83	1.24	1.65	2.06	2.48	3.09
850	0.85	1.28	1.70	2.13	2.55	3.19
875	0.88	1.31	1.75	2.19	2.63	3.28
900	0.90	1.35	1.80	2.25	2.70	3.38
925	0.93	1.39	1.85	2.31	2.78	3.47
950	0.95	1.43	1.90	2.38	2.85	3.56
975	0.98	1.46	1.95	2.44	2.93	3.66
1000	1.00	1.50	2.00	2.50	3.00	3.75
1025	1.03	1.54	2.05	2.56	3.08	3.84
1050	1.05	1.58	2.10	2.63	3.15	3.94
1075	1.08	1.61	2.15	2.69	3.23	4.03
1100	1.10	1.65	2.20	2.75	3.30	4.13
1125	1.13	1.69	2.25	2.81	3.38	4.22
1150	1.15	1.73	2.30	2.88	3.45	4.31
1175	1.18	1.76	2.35	2.94	3.53	4.41
1200	1.20	1.80	2.40	3.00	3.60	4.50
1225	1.23	1.84	2.45	3.06	3.68	4.59
1250	1.25	1.88	2.50	3.13	3.75	4.69
1275	1.28	1.91	2.55	3.19	3.83	4.78
1300	1.30	1.95	2.60	3.25	3.90	4.88
1325	1.33	1.99	2.65	3.31	3.98	4.97
1350	1.35	2.03	2.70	3.38	4.05	5.06
1375	1.38	2.06	2.75	3.44	4.13	5.16
1400	1.40	2.10	2.80	3.50	4.20	5.25

NOTE:

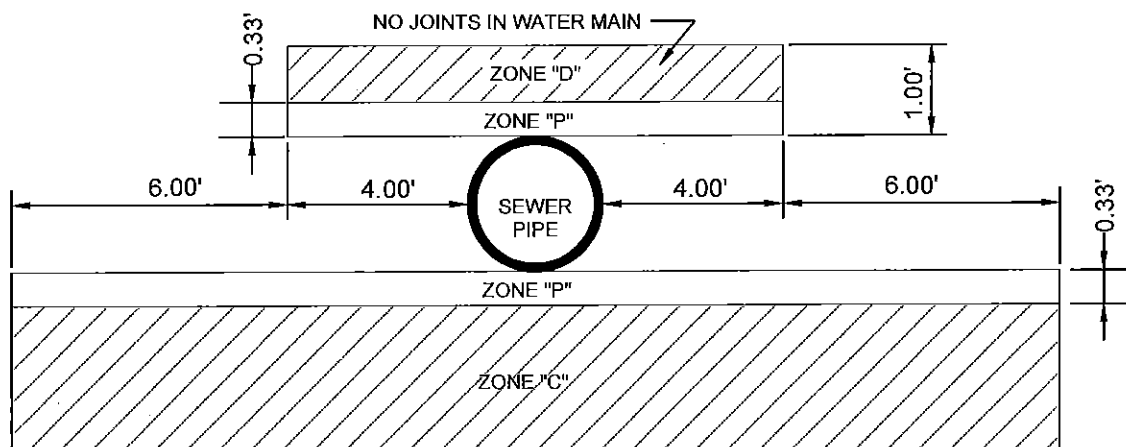
IN ACCORDANCE WITH CITY CONSTRUCTION STANDARDS, NEW WATERLINES SHALL BE HYDROSTATICALLY TESTED TO A MINIMUM OF 150 PSI, FOR A PERIOD OF NOT LESS THAN 2 HOURS. NO PIPE INSTALLATION SHALL BE ACCEPTED IF LEAKAGE FOR THE SECTION EXCEEDS A RATE IN GALLONS PER HOUR PER ONE THOUSAND FEET (GPH/1000') OF 0.25 MULTIPLIED BY THE PIPE DIAMETER IN INCHES. (GPH/1000' < 0.25xPIPE DIA.) THIS CHART COMPUTES MAXIMUM ALLOWABLE LEAKAGE RATES FOR VARIOUS LENGTHS OF PIPE BASED ON THIS STANDARD, AND IS INTENDED AS A CONVENIENCE, ONLY.

CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS			WATER HYDROSTATIC PRESSURE / LOSS	
 CITY ENGINEER - WILLIAM F. KULL				
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS	ADOPTED BY THE CITY COUNCIL:	DRAWING NO.
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 526.DWG	9-23-14	526

ALTERNATE DESIGN FOR REDUCED SEPERATION
 (TO BE USED ONLY WHERE REQUIRED 10 FT. SEPARATION CANNOT BE OBTAINED)
NEW WATER LINE BEING INSTALLED



PARALLEL CONSTRUCTION



PERPENDICULAR CONSTRUCTION

NOTES:

1. ZONE "A" REQUIRES SPECIAL PIPE AND SPECIAL PERMISSION FROM THE PUBLIC HEALTH AGENCY
2. ZONE "B" REQUIRES SPECIAL PIPE
3. ZONE "C" REQUIRES SPECIAL PIPE AND PIPE JOINTS ARE NOT ALLOWED
4. ZONE "D" REQUIRES STANDARD PIPE AND PIPE JOINTS ARE NOT ALLOWED
5. ZONE "P" IS A PROHIBITED ZONE.

CITY OF RIVERBANK
 DEPARTMENT OF PUBLIC WORKS

William F. Kull
 CITY ENGINEER - WILLIAM F. KULL

**WATER MAIN SEPARATION
 REGULATIONS**

DRAWN BY:

GK

DATE:

7/21/15

SCALE:

NTS

ADOPTED BY THE CITY COUNCIL:

9-23-14

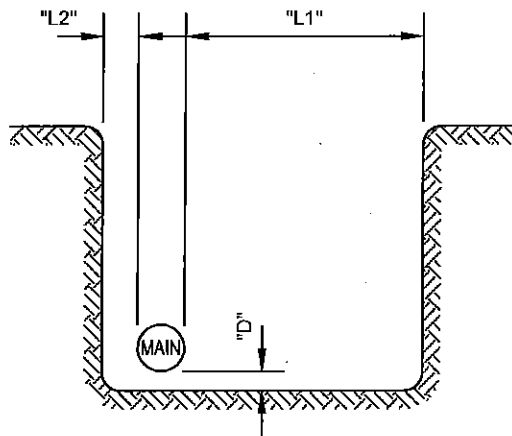
DRAWING NO.

527

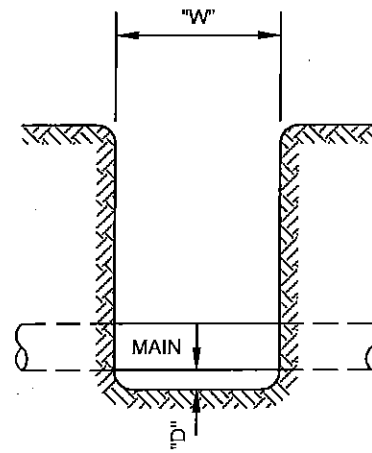
REVISIONS:
 NONE

SECTION:
 WATER

DRAWING NAME:
 527.DWG



PERPENDICULAR TO EXISTING MAIN



PARALLEL TO EXISTING MAIN

EXCAVATION REQUIREMENTS FOR CONNECTIONS TO EXISTING WATER MAINS				
EXISTING PIPE SIZE	W	D	L1	L2
4"	3'-0"	0'-6"	7'-0"	1'-0"
6"	4'-0"	1'-0"	7'-0"	1'-0"
8"	5'-0"	1'-6"	7'-0"	1'-0"
10"	6'-0"	2'-0"	7'-0"	1'-6"
12" OR LARGER	6'-0"	2'-0"	7'-0"	1'-6"

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

EXCAVATION REQUIREMENTS FOR CONSTRUCTION

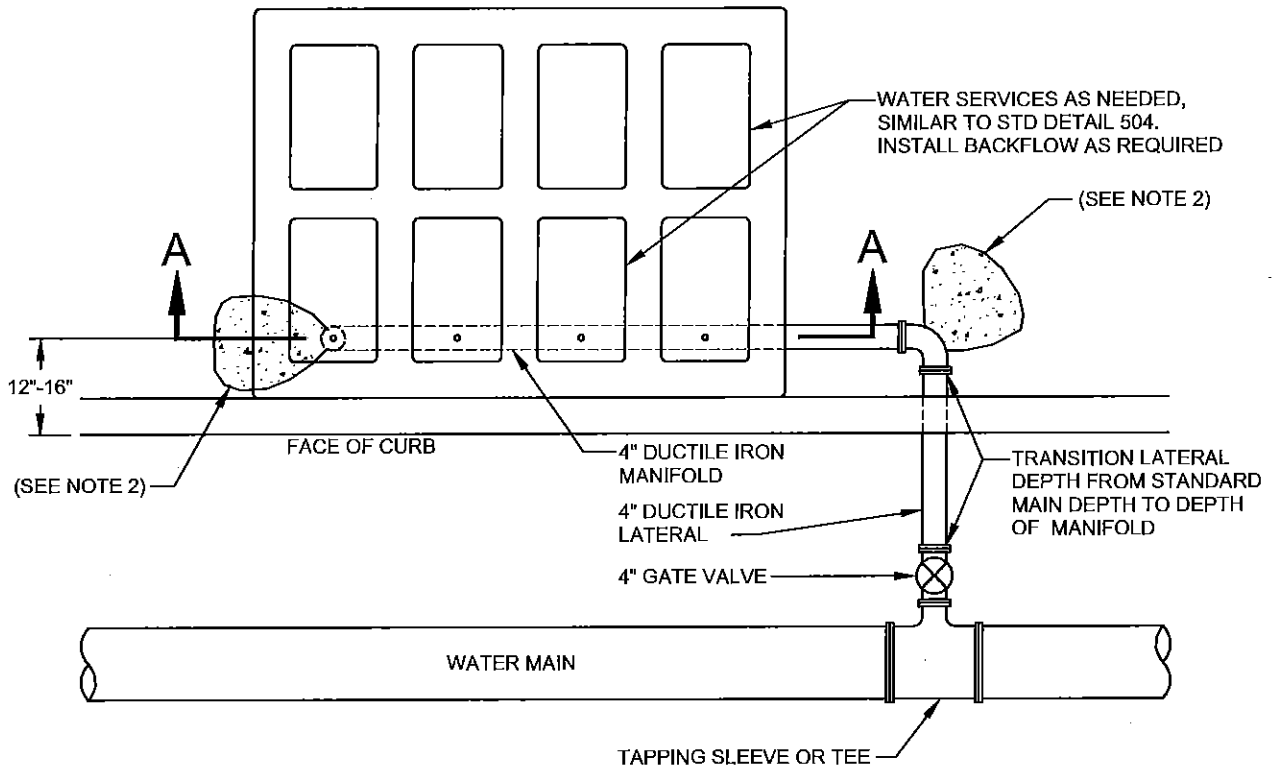
DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 528.DWG

ADOPTED BY THE CITY COUNCIL:

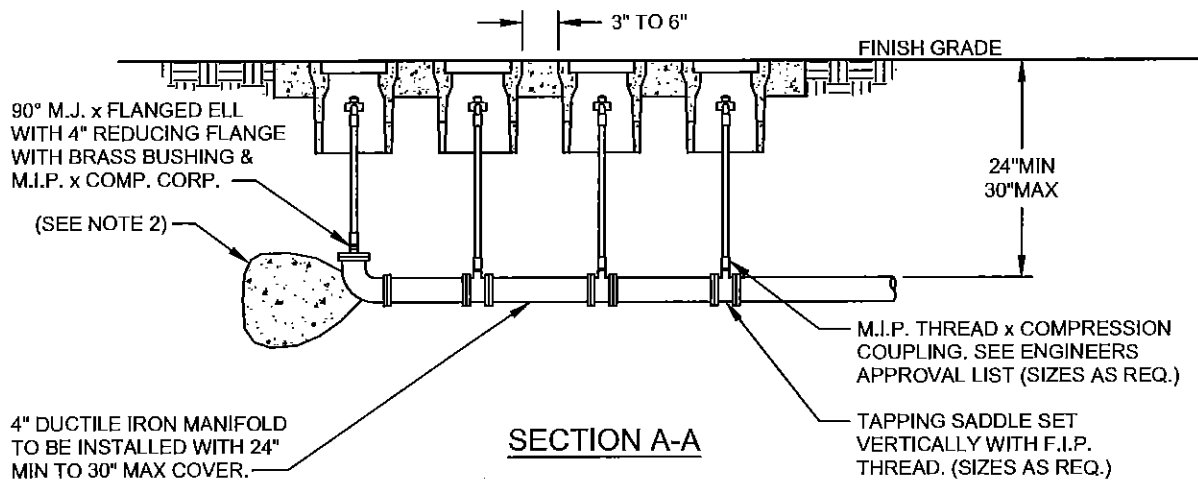
9-23-14

DRAWING NO.

528



PLAN VIEW



SECTION A-A

NOTES:

1. THIS STANDARD MAY BE ADAPTED FOR CONNECTION TO A COMBINATION WATER SERVICE PER STD DETAIL 504.
2. RESTRAINED JOINTS ARE REQUIRED FOR ALL NEW CONSTRUCTION FROM GATE VALVE TO END OF 4" MANIFOLD. THRUST BLOCKS ARE ONLY REQUIRED WHERE EXISTING SERVICES ARE BEING MODIFIED AND RESTRAINED JOINTS ARE NOT USED.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

**4" DUCTILE IRON
MULTI-SERVICE MANIFOLD**

DRAWN BY: GK	DATE: 7/21/15	SCALE: NTS
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 529.DWG

ADOPTED BY THE CITY COUNCIL:

9-23-14

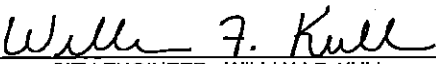
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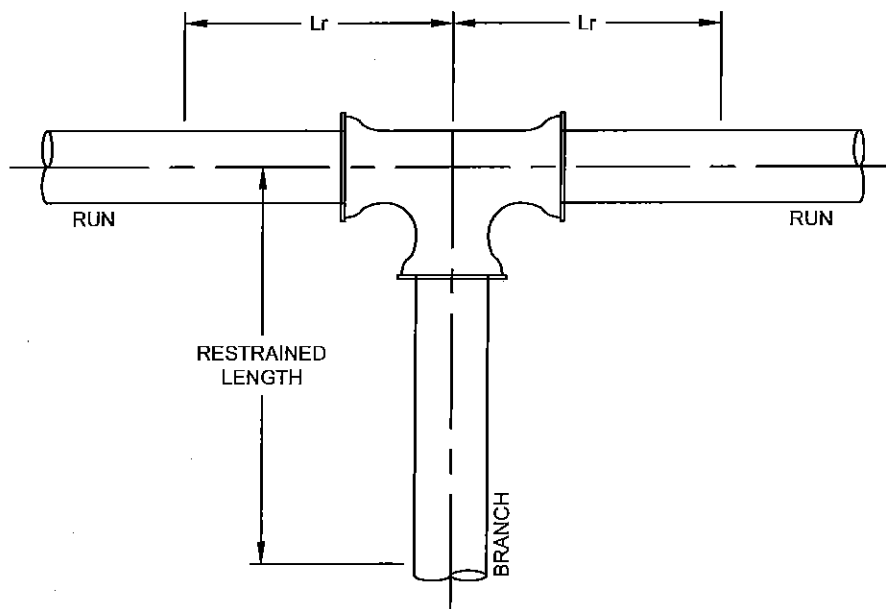
529

RESTRAINED JOINTS

NOTES:

1. THE LENGTHS OF RESTRAINED PIPE CALLED OUT IN THE FOLLOWING TABLES ARE FOR INSTALLATION OF MECHANICALLY RESTRAINED FITTINGS AND ARE CALCULATED BASED ON THE FOLLOWING PARAMETERS:
 - A. ALL DUCTILE IRON (DI) IS POLYETHYLENE ENCASED.
 - B. THE SOIL TYPE IS "GP" AS DEFINED BY THE UNITED SOIL CLASSIFICATIONS, ASTM STANDARD D2487.
 - C. THE TEST PRESSURE OF THE WATER SYSTEM IS TWO HUNDRED POUNDS PER SQUARE INCH (200 PSI).
 - D. THE TRENCH IS TYPE 5, AS PER ANSI/AWWA C150/A21.5, TRENCH CONDITIONS.
 - E. THE DEPTH OF COVER IS TWO FEET (2').
 - F. THE SAFETY FACTOR SHALL BE 1.5
2. IF THE FIELD CONDITIONS VARYING SIGNIFICANTLY FROM THESE PARAMETERS ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE CITY OF RIVERBANK FIELD INSPECTOR. THE CITY OF RIVERBANK FIELD INSPECTOR WILL ADVISE THE CONTRACTOR OF THE REQUIRED LENGTH OF RESTRAINED PIPE NECESSARY TO MEET THE EXISTING CONDITIONS.
3. THE CONSULTANT OR DESIGN FIRM SHALL SPECIFY SOIL TYPE, TEST PRESSURE, TRENCH TYPE, AND DEPTH OF COVER IN THE WATER DISTRIBUTION PLANS. IF THE CITY JUDGES THAT THE REQUIRED RESTRAINED LENGTH EXCEEDS THAT SPECIFIED IN THE TABLES, OR IF THE PIPE DIAMETER EXCEEDS 12", A PROFESSIONAL CIVIL ENGINEER REGISTERED IN CALIFORNIA SHALL PREPARE AND SUBMIT FOR APPROVAL APPROPRIATE RESTRAINED LENGTH CALCULATIONS.

CITY OF RIVERBANK DEPARTMENT OF PUBLIC WORKS			RESTRAINED JOINTS NOTES	
 CITY ENGINEER - WILLIAM F. KULL				
DRAWN BY: GK	DATE: 9/28/17	SCALE: NTS	ADOPTED BY THE CITY COUNCIL:	DRAWING NO. 530
REVISIONS: NONE	SECTION: WATER	DRAWING NAME: 530.DWG		



TEES

THE MINIMUM ATTACHED LENGTH OF PIPE (L_r) TO EXTEND IN EACH DIRECTION ALONG THE RUN OF THE TEE SHALL BE A SOLID PIPE WITHOUT JOINTS, FITTINGS, ETC. THE LENGTH OF THE RESTRAINED BRANCH SHALL BE DERIVED FROM THE FOLLOWING TABLE.

TEE SIZE & PIPE MATERIAL		MINIMUM ATTACHED LENGTH OF PIPE (L_r)										
		0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
		LENGTH OF RESTRAINED BRANCH										
PVC PIPE	4x4	74'	64'	53'	42'	32'	21'	11'	1'	1'	1'	1'
	6x4	74'	58'	42'	28'	11'	1'	1'	1'	1'	1'	1'
	6x6	104'	93'	82'	71'	61'	50'	39'	28'	18'	7'	1'
	8x4	74'	53'	31'	10'	1'	1'	1'	1'	1'	1'	1'
	8x6	104'	89'	75'	60'	46'	31'	17'	3'	1'	1'	1'
	8x8	135'	124'	113'	102'	91'	80'	69'	59'	48'	37'	26'
	12x4	74'	41'	7'	1'	1'	1'	1'	1'	1'	1'	1'
	12x6	104'	81'	58'	35'	13'	1'	1'	1'	1'	1'	1'
	12x8	135'	118'	101'	83'	66'	49'	32'	15'	1'	1'	1'
DI POLY WRAP	12x12	189'	177'	166'	155'	144'	132'	121'	110'	98'	87'	76'
	4x4	112'	96'	80'	64'	48'	32'	17'	1'	1'	1'	1'
	6x4	112'	88'	64'	40'	16'	1'	1'	1'	1'	1'	1'
	6x6	157'	141'	124'	108'	92'	75'	59'	43'	27'	10'	1'
	8x4	112'	80'	48'	15'	1'	1'	1'	1'	1'	1'	1'
	8x6	157'	135'	113'	91'	70'	48'	26'	4'	1'	1'	1'
	8x8	204'	187'	171'	154'	138'	121'	105'	88'	72'	55'	39'
	12x4	112'	61'	11'	1'	1'	1'	1'	1'	1'	1'	1'
	12x6	157'	122'	88'	54'	19'	1'	1'	1'	1'	1'	1'
	12x8	204'	178'	152'	126'	100'	74'	48'	22'	1'	1'	1'
	12x12	284'	267'	250'	233'	216'	199'	182'	165'	148'	131'	114'

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

RESTRAINED JOINTS

TEE

DRAWN BY:

GK

DATE:

9/28/17

SCALE:

NTS

ADOPTED BY THE CITY COUNCIL:

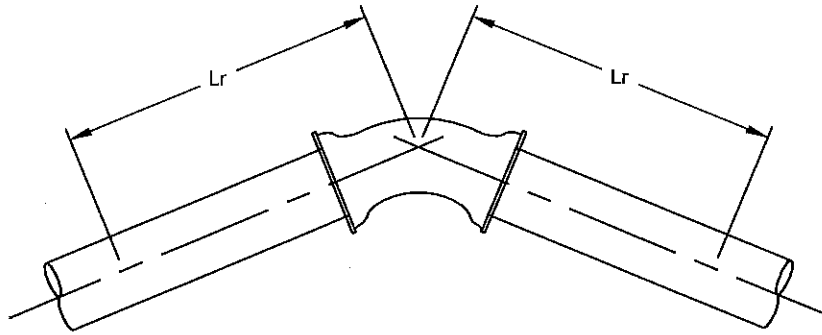
DRAWING NO.

REVISIONS:
NONE

SECTION:
WATER

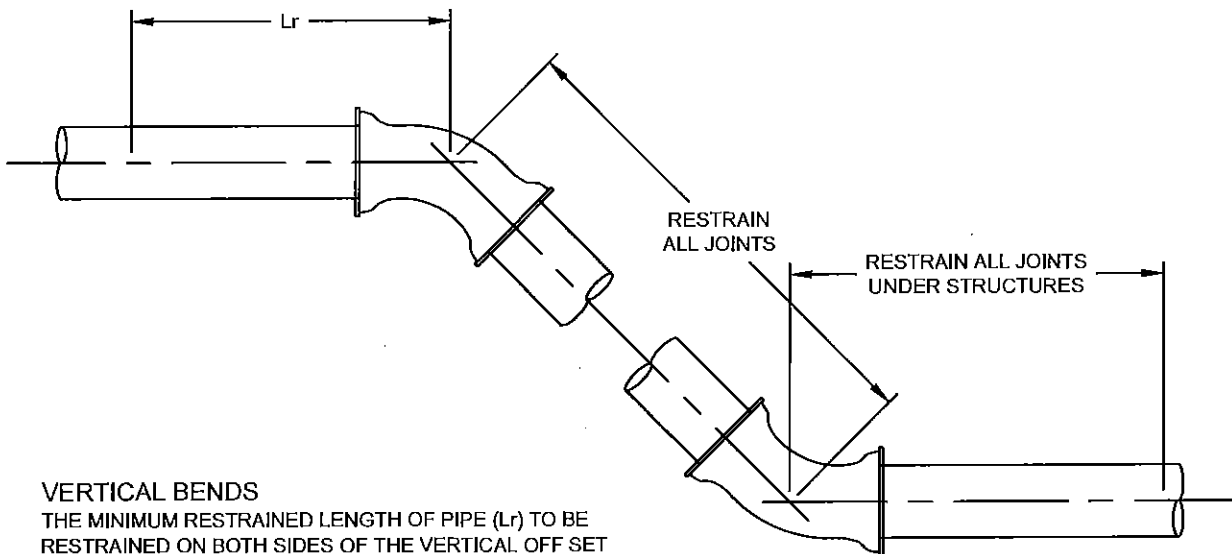
DRAWING NAME:
531.DWG

531



HORIZONTAL BENDS

THE MINIMUM ATTACHED LENGTH OF PIPE (L_r) TO EXTEND IN EACH DIRECTION FROM THE HORIZONTAL BEND SHALL BE DERIVED FROM THE FOLLOWING TABLE



VERTICAL BENDS

THE MINIMUM RESTRAINED LENGTH OF PIPE (L_r) TO BE RESTRAINED ON BOTH SIDES OF THE VERTICAL OFF SET SHALL BE DERIVED FROM THE FOLLOWING TABLE

PIPE SIZE & MATERIAL		HORIZONTAL BENDS				VERTICAL BENDS			
		11 1/4°	22 1/2°	45°	90°	11 1/4°	22 1/2°	45°	90°
PVC PIPE	4"	3'	5'	11'	27'	7'	15'	31'	*
	6"	4'	7'	15'	37'	10'	21'	43'	*
	8"	5'	10'	20'	48'	13'	27'	56'	*
	12"	6'	13'	27'	65'	19'	38'	78'	*
DIPOLY	4"	3'	6'	13'	31'	11'	22'	46'	*
	6"	4'	8'	18'	42'	15'	31'	65'	*
	8"	5'	11'	23'	54'	20'	41'	84'	*
	12"	7'	15'	31'	74'	28'	57'	118'	*

* NOT RECOMMENDED

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

RESTRAINED JOINTS
BENDS

DRAWN BY:
GK

DATE:
9/28/17

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

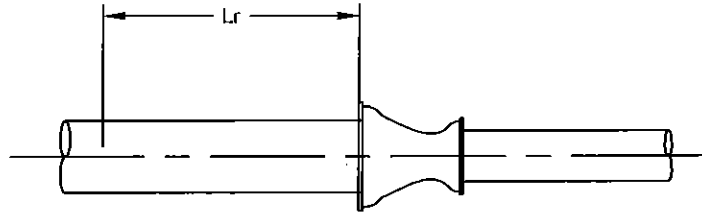
REVISIONS:
NONE

SECTION:
WATER

DRAWING NAME:
532.DWG

532

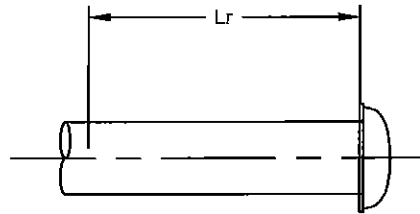
REDUCER SIZE & PIPE MATERIAL		MINIMUM RESTRAINED LENGTH
PVC PIPE	6x4	53'
	8x4	97'
	8x6	56'
	12x4	164'
	12x6	137'
DI POLY WRAP	12x6	100'
	6x4	81'
	8x4	147'
	8x6	85'
	12x4	247'
	12x6	207'
	12x6	151'



REDUCERS

THE MINIMUM LENGTH OF PIPE (L_r) TO BE RESTRAINED ON THE LARGE SIDE OF THE REDUCER SHALL BE DERIVED FROM THE TABLE ABOVE

DEAD END SIZE & PIPE MATERIAL		MINIMUM RESTRAINED LENGTH
PVC PIPE	4	74'
	6	104'
	8	135'
	12	189'
DI POLY	4	112'
	6	157'
	8	204'
	12	284'



DEAD ENDS

THE MINIMUM LENGTH OF PIPE (L_r) TO BE RESTRAINED ON A DEAD END SHALL BE DERIVED FROM THE ABOVE TABLE.

OR CONCRETE MAY BE USED WITH PERMISSION FROM THE ENGINEER.

ALL VALUES SHALL BE CONSIDERED DEAD ENDS IN BOTH DIRECTIONS

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull
CITY ENGINEER - WILLIAM F. KULL

RESTRAINED JOINTS REDUCERS & ENDS

DRAWN BY:
GK

DATE:
9/28/17

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

REVISIONS:
NONE

SECTION:
WATER

DRAWING NAME:
533.DWG

533

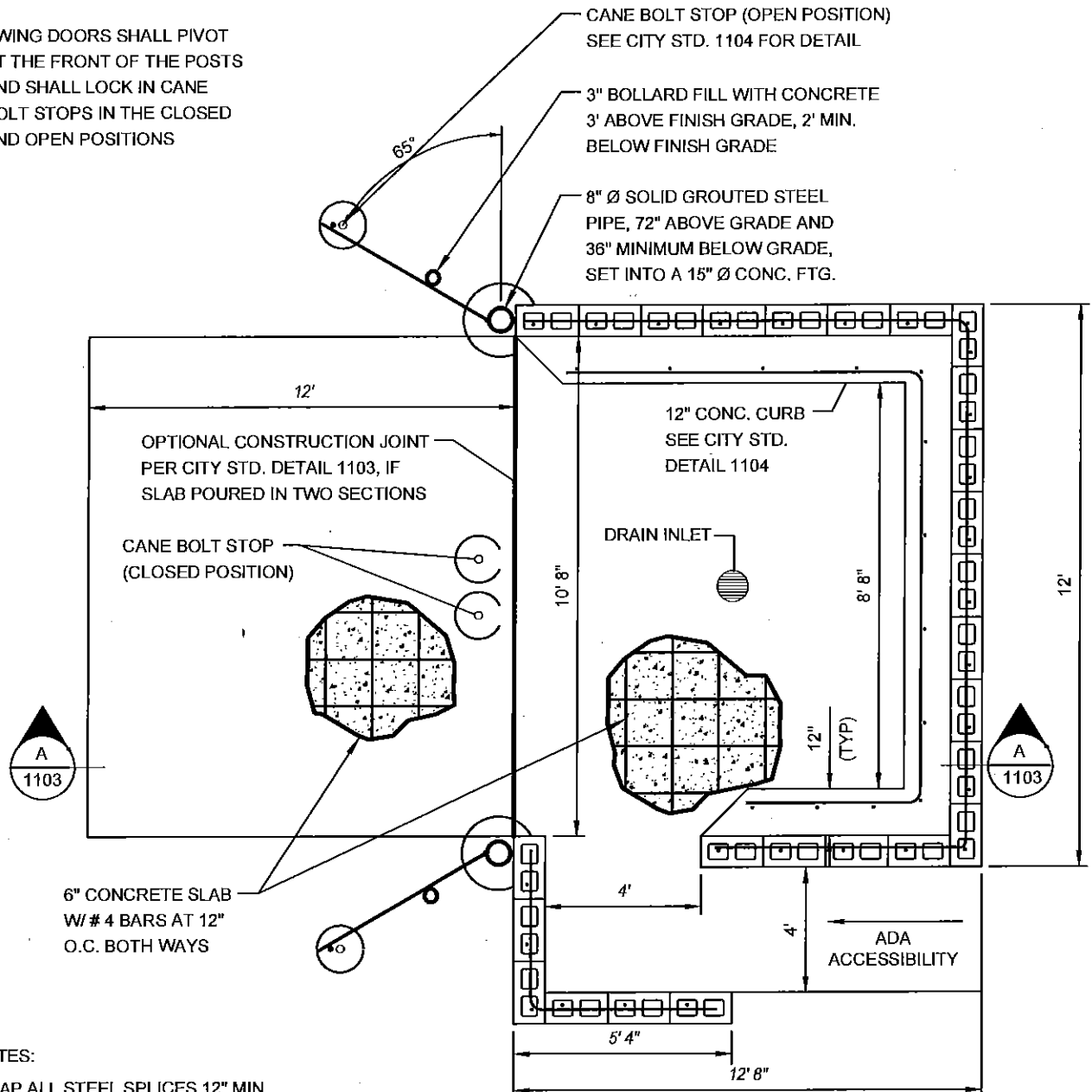
**City of Riverbank
STANDARD PLANS**

Trash Enclosure

TABLE OF CONTENTS

Drawing No.	Description
1101	Refuse and Recycle Bin Enclosure
1102	Dual Refuse and Recycle Bin Enclosure
1103	Refuse and Recycle Bin Enclosure Details
1104	Refuse and Recycle Bin Enclosure Details

SWING DOORS SHALL PIVOT
AT THE FRONT OF THE POSTS
AND SHALL LOCK IN CANE
BOLT STOPS IN THE CLOSED
AND OPEN POSITIONS



NOTES:

1. LAP ALL STEEL SPLICES 12" MIN.
2. MAINTAIN 3" CLEARANCE WHEN REBAR IS USED FOR REINFORCING CONC.
3. PROVIDE 3" INSIDE RADIUS BEND FOR #4 REBARS.
4. SEE CITY STANDARD 1103 AND 1104 FOR DETAILS NOT SHOWN
5. INSTALL DRAIN INLET AND GRADE TO CENTER OF PAD. 1.5% MIN SLOPE
6. EACH ENCLOSURE TO HAVE HOSE BIB AND SPRINKLER SYSTEM INSTALLED AS REQUIRED.
7. MUST INCLUDE ROOF TO BE DESIGNED BY OTHERS.
8. SIDING AND ROOFING MATERIAL TO MATCH BUILDING
9. ARCHITECTURAL SUBMITTAL REQUIRED FOR EACH PROJECT.
10. DOORS SHALL NOT SWING INTO TRAVEL WAY.

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull

CITY ENGINEER - WILLIAM F. KULL

REFUSE &
RECYCLE BIN
ENCLOSURE

DRAWN BY:
GK

DATE:
8/22/17

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

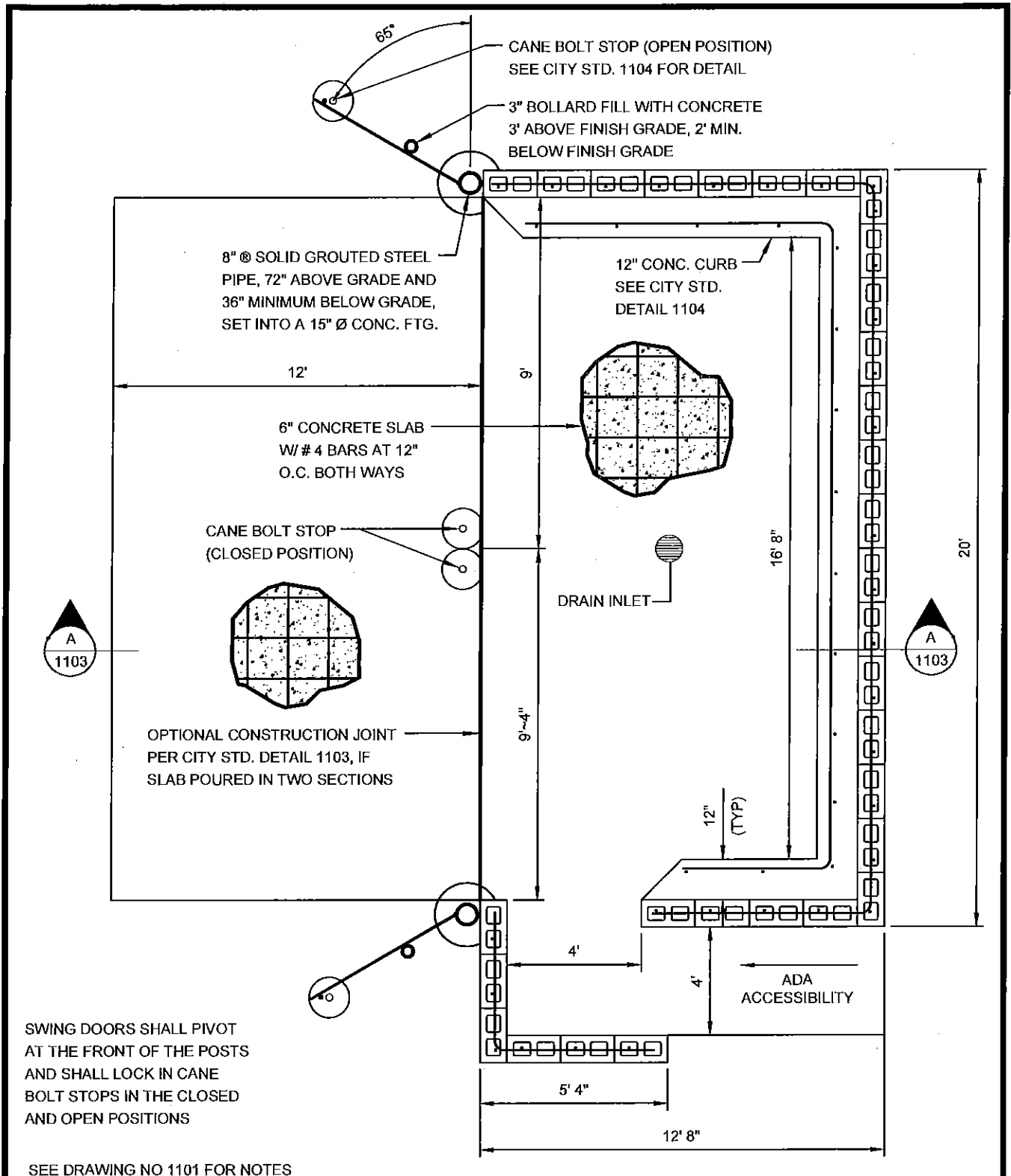
DRAWING NO.

REVISIONS:
NONE

SECTION:
TRASH

DRAWING NAME:
1101.DWG

1101



CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull

CITY ENGINEER - WILLIAM F. KULL

DUAL REFUSE &
RECYCLE BIN
ENCLOSURE

DRAWN BY:
GK

DATE:
8/22/17

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

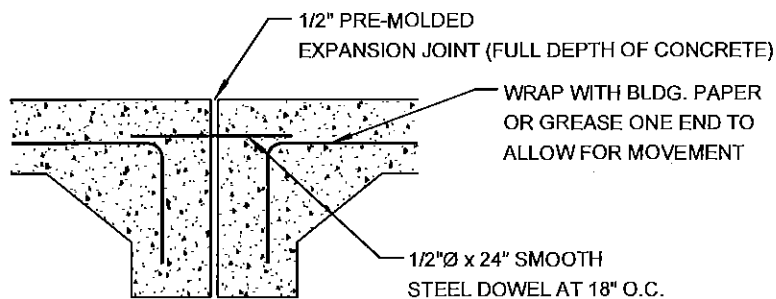
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REVISIONS:
NONE

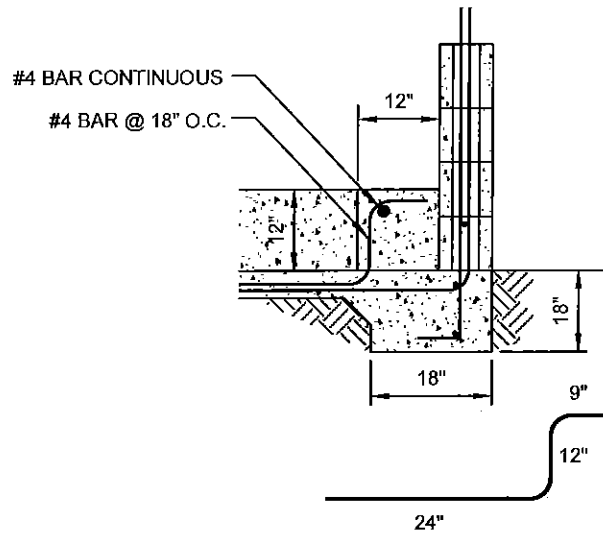
SECTION:
TRASH

DRAWING NAME:
1102.DWG

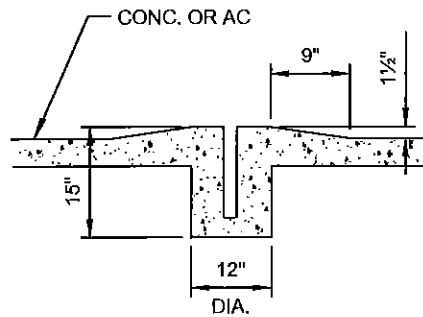
1102



1103



12" RAISED CURB DETAIL



CANE BOLT STOP DETAIL

CITY OF RIVERBANK
DEPARTMENT OF PUBLIC WORKS

William F. Kull

CITY ENGINEER - WILLIAM F. KULL

REFUSE &
RECYCLE BIN
ENCLOSURE DETAILS

DRAWN BY:
GK

DATE:
8/22/17

SCALE:
NTS

ADOPTED BY THE CITY COUNCIL:

DRAWING NO.

REVISIONS:
NONE

SECTION:
TRASH

DRAWING NAME:
1104.DWG

1104

RIVERBANK CITY COUNCIL AGENDA ITEM NO. 6.1

SECTION 6: NEW BUSINESS

Meeting Date:	February 13, 2018
Subject:	Riverbank Cheese & Wine Festival Evaluation
From:	Sean Scully, City Manager
Submitted by:	Sue Fitzpatrick, Director of Parks and Recreation

RECOMMENDATION

It is recommended that the City Council review the evaluation of the Riverbank Cheese & Wine Festival and provide direction to staff.

SUMMARY

The City Parks and Recreation has coordinated the Cheese & Wine Festival for the past 4 (four) years under contract with Chris Ricci Presents, Inc. Last year direction was given to proceed with the event for the next two years. The City Council has expressed a desire to re-evaluate the event for this year. At this point vendors and event planning have been placed on hold.

BACKGROUND

The Cheese & Wine Festival has been held in Riverbank for the past 41 years. The Festival was initially coordinated by the Riverbank Chamber of Commerce for many years until it was purchased by the Riverbank Rotary Club in 2006. The Riverbank Rotary Club sold the event to the City of Riverbank in 2014 as the event became too large for them to manage. The City purchased the rights to the event for \$15,000 with the agreement to pay the Rotary Club \$3,000 per year for a five year period.

Over the past four years the City Parks and Recreation Department has coordinated the Festival through a contract with Chris Ricci Presents, Inc. Overall the event has been successful and the community has enjoyed the event. Administering the Festival has been a learning experience as there are many components to this event and each year we are more successful. This past year the City took over the vendor coordination and the vendors were more satisfied. The wine tasting component of the event venue was moved to the Antigua Event Center and was very well received by the public. The “Mod Shop” area was added to bring in more craft vendors and this was successful as well. The City paid this group and took in no vendor fees for these specialty craft vendors.

Financially, the event has been successful and has not had to depend on the General Fund. The City has paid the Rotary club \$12,000 of the \$15,000 owed for the purchase of the Festival and will pay the balance this year if the event continues. After four years of operations, the current balance in the Cheese & Wine Account is \$22,000.

An area of concern that has been voiced by some members of the community and City Council members is the lack of good public relations or customer service practices associated with some of the contractors/consultants employed by the City to put on the event. This is an area that can be improved with some trainings and stipulations as we move forward if we choose to continue with the current contract. More positive comments were made about the Festival in general this year by vendors, attendees, and Facebook likes than in past years.

Research has been completed on other possibilities of contracting out the Festival to another entity. Most of the events that take place in surrounding cities are administered by their Chamber of Commerce. We were able to locate four independent contractors such as Chris Ricci Presents, Inc. and a request for proposal has been sent out to these individuals. The request is being sent out with a total package for administering the entire event and an option of administering the Cheese & Wine Tasting component only. Once the proposals are received, interviews will be set up with any proposals that appear to be reasonable.

In order to proceed with coordinating the event for this year, it is very important that the City Council provide direction to staff tonight or at the March 13th City Council meeting. The Parks and Recreation Director is concerned about the risk of changing the administration of the event as there is a financial and operational risk for things to go wrong due to the complexity of the event. The department will also be going through some changes with the current Recreation Supervisor retiring at the end of April. The Director is confident that the event will be successful again this year under the current contract with some public relations/customer services improvements.

The following options may assist with the direction needed:

Option 1:

Continue planning for this year's event and renew the contract with Chris Ricci Presents, Inc. Use the bid information toward next year's decision if the City Council feels the need to review other options. Begin the bid process in November, 2018 to allow adequate time and not delay planning.

Option 2:

Review the Request for Proposals and bring back a report to the City Council on March 13th for further direction.

Option 3:

Discontinue the Cheese & Wine Festival and begin working on an alternate special event that the City can administer.

STRATEGIC PLAN,

The direction of the Cheese & Wine Festival is relevant to the Strategic Plan Mission Statement by being committed to providing exceptional municipal services in a fiscally and professionally responsible manner for our community.

FINANCIAL IMPACT

There is no financial impact for this report. The Cheese & Wine Festival has done well financially and operationally. Depending on the option that the City Council chooses for the future of the Festival, there could be risks taken both for operations and finances.

ATTACHMENT

There are no attachments to this item.

**RIVERBANK CITY COUNCIL / LOCAL REDEVELOPMENT AUTHORITY
AGENDA ITEM NO. 6.2**

SECTION 6: NEW BUSINESS

Meeting Date:	February 13, 2018
Subject:	Consideration of City Council Appointments to Intergovernmental Boards and Committees and City Council/LRA Appointments to Internal City Committees for the Year 2018
From:	Sean Scully, City Manager
Submitted by:	Annabelle Aguilar, CMC, City Clerk

RECOMMENDATION

It is recommended that the City Council / Local Redevelopment Authority Board:

- 1) review the appointment lists; and
- 2) volunteer or nominate a member of the City Council/LRA to serve as the representative; and
- 3) by roll call vote, ratify the appointments for the year 2018.

SUMMARY

The City's participation in various intergovernmental boards and committees provides a valuable opportunity for the City's legislative body to actively engage in the discussion and decisions that affect the residents of Riverbank, and ensure the City's best interests are taken into consideration.

In addition, Members of the City Council, who also serve as the LRA Board, function in a liaison role to internal City/LRA committees which provides the opportunity for Members to share their perspectives and recommendations on matters to be addressed while, simultaneously, foster open communication and collaboration with a diverse committee of various community interests and expertise.

One of the first orders of business of each year is for the City Council and LRA Board to review the prior year's Board and Committee lists as adopted, nominate someone or volunteer for an appointment, and ratify the changes agreed upon by roll call vote.

STRATEGIC PLAN

City Council and Staff serve as city representatives fostering relationships with external agencies and community members, and at times may involve collaborating efforts on accomplishing various aspects of the strategic plan.

ATTACHMENTS 2017 Adopted Boards and Committees lists.

**CITY COUNCIL
INTERGOVERNMENTAL BOARDS & COMMITTEES**

(Last revised and ratified on 01/10/2017)

BOARD / COMMITTEE	COUNCIL REPRESENTATIVE (2017 - Appointments)
<u>LEAGUE OF CALIFORNIA CITIES CENTRAL VALLEY DIVISION EXECUTIVE COMMITTEE</u> <u>Meets:</u> Quarterly, TBD when scheduled <u>Location:</u> It rotates among the Northern and Southern central valley cities, TBD. (Annual breakfast meeting of the year takes place at the League's Annual Conference in September) The Central Valley Division (CVD) is lead by an executive committee made up of local government officials who provide overall guidance and direction for CVD activities. These activities provide a variety of avenues for individuals to take the opportunity to exchange ideas and information and share the advantages of cooperative advocacy.	Councilmember Cal Campbell (Alternate) Mayor Richard D. O'Brien
<u>LEAGUE OF CALIFORNIA CITIES ANNUAL CONFERENCE VOTING DELEGATE(S)</u> The League of California Cities is an association of California City Officials who work together to enhance their knowledge & skills, and exchange information & combine resources so that they may influence policy decisions that affect cities.	Primary and Alternate to be determined in June. (The appointment is typically made in June upon the League's request.)
<u>NORTH COUNTY CORRIDOR TRANSPORTATION EXPRESSWAY AUTHORITY BOARD</u> <u>Meets:</u> 3rd Wed. of every alternate month; 4:30-6:pm <u>Location:</u> Tenth Street Place, Board Chambers, 1010 10th Street (basement), Modesto The North County Corridor Transportation Expressway Authority (Authority) is the lead implementing agency for the North County Corridor State Route 108 East Route Adoption. The Authority leads the overall effort. These meetings pertain to locating the best route for the northern expressway from Hwy 99 to the eastern side of Oakdale.	Mayor Richard D. O'Brien (Alternate) Councilmember Darlene Barber-Martinez

**CITY COUNCIL
INTERGOVERNMENTAL BOARDS & COMMITTEES**

(Last revised and ratified on 01/10/2017)

BOARD / COMMITTEE	COUNCIL COUNCIL REPRESENTATIVE (2017- Appointments)
<u>San Joaquin Valley Air Pollution Control District Special City Selection Committee</u> <u>Meets:</u> At least once annually and as needed <u>Location:</u> Northern Region Office, 4800 Enterprise Way, Modesto This Committee's purpose is to appoint (5) Council Members to the San Joaquin Valley Air Pollution Control District's Governing Board.	Councilmember Darlene Barber-Martinez (Alternate) Vice Mayor Leanne Jones Cruz
<u>STANCOG – POLICY BOARD</u> <u>Meets:</u> The 3rd Wednesday of each month; 6:pm <u>Location:</u> 1111 I Street, Suite 308, Modesto To work together with local cities to enhance communication, cooperation and comprehensive planning in dealing with regional issues.	Mayor Richard D. O'Brien (Alternate) Councilmember Cal Campbell
<u>STANISLAUS OFFICE OF EMERGENCY SERVICES DISASTER COUNCIL</u> <u>Meets:</u> Once a year or as necessary (tentative April 13th) <u>Location</u> Harvest Hall Cornucopia Way, Modesto To make recommendations to local governing agencies on matters pertinent to development of mitigation, disaster preparedness, response & recovery plans, and programs for any potential local emergency.	Councilmember Darlene Barber-Martinez (Alternate) Vice Mayor Leanne Jones Cruz (The appointed Councilmember serves a 2-year term; ending 12/2018.)
<u>WORKFORCE DEVELOPMENT BOARD</u> (formerly the Stanislaus Business Alliance Board that ended 6/2016) <u>Meets:</u> The 1st Monday of the 1st month of every quarter. <u>Location:</u> Kirk Lindsey Center, 1020 10th St. Ste.102, Modesto The WDB is a business led public body whose members are appointed by the Board of Supervisors to oversee activities funded by the Workforce Innovation and Opportunity Act. The WDB is responsible for shaping and strengthening local and regional workforce development efforts to support small, medium and large business job growth.	Councilmember Cal Campbell (There is no alternate designation to the Board. Councilmember Campbell was appointed on 7/2016 by the Board of Supervisors to serve a 2-year term, expiring 6/30/2018.)

**CITY COUNCIL
INTERGOVERNMENTAL BOARDS & COMMITTEES**

(Last revised and ratified on 01/10/2017)

BOARD / COMMITTEE	COUNCIL REPRESENTATIVE (2016- Appointments)
<u>Lower Stanislaus River Trail Improvement Plan Committee</u> (Resolution No. 2013-069) <u>Meets:</u> TBD <u>Location:</u> TBD Representatives of the Cities of Riverbank, Oakdale, and Ripon and the Local Government Commission and the National Park Service will be working together to enhance public use and stewardship of the lower Stanislaus River.	Councilmember Cal Campbell (Alternate) Councilmember Darlene Barber-Martinez

**CITY COUNCIL / LOCAL REDEVELOPMENT AUTHORITY BOARD
INTERNAL CITY COMMITTEES**

(Last revised and ratified on 01/10/2017)

CITY/LRA COMMITTEES	COUNCIL/LRA LIAISON (2017 – Appointments)
<u>BUDGET ADVISORY COMMITTEE (BAC)</u> <u>Meets:</u> As needed <u>Location:</u> City Hall Council Chambers or City Hall South Conference Room This (7) resident member advisory committee, including (1) non-voting Council representative and a Council alternate, reviews and discusses the City's operating budget and makes recommendations on projects, programs, and policies to the City Council.	Councilmember Cindy Fosi (Alternate) Vice Mayor Leanne Jones Cruz
<u>FRIENDS OF JACOB MYERS PARK (JMP)</u> (A non-profit organization) <u>Meets:</u> On a monthly basis <u>Location:</u> City Hall Council Chambers Works on projects, park planning, and fundraising events.	Councilmember Darlene Barber-Martinez (Alternate) Vice Mayor Leanne Jones Cruz
<u>*LOCAL REDEVELOPMENT AUTHORITY (LRA) COMMUNITY ADVISORY COMMITTEE</u> <u>Meets:</u> As needed. <u>Location:</u> LRA Conference Room, 5300 Claus Road, Building 17, Modesto, CA 95357 The (12) member Committee provides feedback and recommendations to the LRA Board and staff regarding the reuse and redevelopment of the Riverbank Army Ammunition Plant, and to promote interest and involvement by the community in the project.	*(This committee voluntarily decided to suspend meetings indefinitely.) Authority Member Darlene Barber-Martinez (Alternate) Vice Mayor Leanne Jones Cruz
<u>SISTER CITY COMMITTEE</u> <u>Meets:</u> As needed <u>Location:</u> TBD Appointed Members of the City Council will serve in a liaison capacity. The Sister City relationships with Tamazula, Mexico and Fuyang, China was formed to foster understanding between these Cities and Riverbank and to engage in common efforts to promote the cultural understanding and awareness for the mutual good of each City. The Committees purpose is to facilitate and carry out these objectives.	Councilmember Darlene Barber-Martinez (Alternate) Vice Mayor Leanne Jones Cruz

RIVERBANK CITY COUNCIL AGENDA ITEM NO. 6.3

SECTION 6: NEW BUSINESS

Meeting Date:	February 13, 2018
Subject:	Adjustments to 2018 City Council Meeting Schedule
From:	Sean Scully, City Manager

RECOMMENDATION

It is recommended that the City Council:

- 1) Cancel the meetings of July 10, November 27, and December 25, for a modified summer schedule and to minimize conflicts with Holiday activities.

SUMMARY

Summer 2018

It is not uncommon for agencies to set up a schedule that includes adjustments for summer vacations. The City has in the past, adopted a modified summer schedule which allowed staff, as well as the members of the City Council, to more effectively coordinate their vacation plans and minimize scheduling conflicts. In consideration of the number of projects moving forward, it is proposed that the City once again hold only one meeting in July rather than cancel both meetings in one of the summer months. The Memorial Day and Labor Day Holidays do not fall adjacent to City Council meetings in 2018, so no changes to the May and September City Council meeting schedule are proposed. However if Council would like to consider alternate or additional Council meeting closures to accommodate summer plans it is within Council's authority to do so. In previous years Council has elected to cancel both a meeting in July and a meeting in August.

Fall/Winter 2018

It is also recommended that Council cancel the November 27th and December 25th meetings. The Thanksgiving Holiday precedes the November 27th meeting week but falls during a time frame that would traditionally be agenda prep. In addition it is also a week that falls during frequent Council and staff holiday travel schedules. Obviously the December 25th date falls on the Christmas holiday and therefore is recommended for cancellation. As always, in the event that issues arise that need to be attended to between regularly scheduled meetings, a special meeting can be held.

STRATEGIC PLAN

Since the City Council meetings play an integral role in the delivery of the strategic plan, establishing a clear Council meeting schedule relates directly to most aspects of the strategic plan.