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**AGENDA  
TOWN OF CAMP VERDE  
REGULAR SESSION  
MAYOR AND COUNCIL  
473 S. MAIN STREET, SUITE 106  
WEDNESDAY, AUGUST 21, 2024 at 6:30 P.M.**

**ZOOM MEETING LINK:**

<https://us02web.zoom.us/j/82033367966?pwd=b5e4FzbYn96mNvFVQ5hRqMjo7w7RjI.1>

**one Tap Mobile: 1-253-215-8782 or 1-346-248-7799**

**Meeting ID: 820 3336 7966**

**Passcode: 915080**

Note: Council member(s) may attend Council Sessions either in person, by telephone, or internet/video conferencing.

- 1. Call to Order**
- 2. Roll Call.** Council Members Jackie Baker, Wendy Escoffier, Robin Godwin, Cris McPhail, Jessie Murdock, Vice Mayor Marie Moore, and Mayor Dee Jenkins.
- 3. Pledge of Allegiance**
- 4. Consent Agenda –** All those items listed below may be approved by one motion as consent agenda items. Any item may be removed from the Consent Agenda and considered as a separate item if a member of Council requests.
  - a) Approval of the Minutes:**
    - 1) Regular Session- August 17, 2024 at 6:30 p.m. Page 5
  - b) Set Next Meeting, Date and Time:**
    - 1) Regular Session – September 4, 2024 at 6:30 p.m.
    - 2) Work Session – September 11, 2024 at 5:30 p.m.
    - 3) Regular Session – September 18, 2024 at 6:30 p.m.
    - 4) Work Session – September 25, 2024 at 5:30 p.m.
  - c) Possible approval for the Mayor to sign a letter supporting Black Canyon Community Health Center to apply for up to \$650,000 of Health Resources and Services Administration grant funds to expand, locate, and provide healthcare services to Camp Verde.** Staff Resource: Deputy Town Manager/Economic Development Director Molly Davies. Page 15
  - d) Possible approval for the Mayor to sign a letter supporting Yavapai County Community Health Services to apply for up to \$650,000 of Health Resources and Services Administration grant funds to expand, locate, and provide**

**healthcare services to Camp Verde on Town-owned property generally located at First Street and Head Street.** Staff Resource: Deputy Town Manager/Economic Development Director Molly Davies

5. **Call to the Public for items not on the Agenda. (Please complete Request to Speak Card and turn in to the Clerk.)** Residents are encouraged to comment about any matter NOT included on the agenda. State law prevents the Council from taking any action on items not on the agenda. At the conclusion of an open call to the public, individual members of the public body may respond to criticism made by those who have addressed the public body, may ask staff to review a matter or may ask that a matter be put on a future agenda. However, members of the public body shall not discuss or take legal action on matters raised during an open call to the public unless the matters are properly noticed for discussion and legal action. (Pursuant to ARS §38-431.01(H))
6. **Summary of Current Events.** The Town Council and the Town Manager may provide brief summaries of current events and activities. These summaries are strictly for informing the public of such events and activities. The Council will not propose, discuss, deliberate or take action on any such item, except that an individual Council member may request that the item be placed on a future agenda. Summaries may include committee meetings that Council members attend. The Committees are: Copper Canyon Fire & Medical District, Yavapai College Governing Board, Yavapai-Apache Nation, Intergovernmental Association, NACOG Regional Council, Verde Valley Regional Economic Organization (VVREO), League Resolutions Committee, Arizona Municipal Risk Retention Pool, Verde Valley Transportation Org, Verde Valley Transit Committee, Verde Valley Water Users, Verde Valley Homeless Coalition, Verde Front, Verde Valley Steering Committee of MAT Force, Public Safety Personnel Retirement Board, Phillip England Center for the Performing Arts Foundation.
7. **Special Announcements and Presentations:**
  - **Presentation and update from the Economic Collaborative of Northern Arizona (ECoNA)** Staff Resource: Deputy Town Manager/Economic Development Director Molly Davies Page 23
8. **Discussion, consideration, and possible approval to purchase the wet well for the proposed lift station project at the Camp Verde Sports Complex from Yavapai Precast in the amount of \$14,057.80, superseding the previous Council approval on July 17<sup>th</sup> for the lift station for the amount of \$12,176.00.** Staff Resource: CIP Project Manager Martin Smith. Page 43
9. **Discussion, consideration, and possible award of the base bid portion of Bid #102-23, 7<sup>th</sup> Street Community Development Block Grant Sidewalk Improvement Project to McDonald Bros. Construction in the amount of \$315,759.55 with no Town match required.** Staff Resource: CIP Project Manager Martin Smith. Page 45
10. **Discussion, consideration, and possible adoption of Town of Camp Verde Engineering Design Standards/Standard Details.** Staff Resource: CIP Project Manager Martin Smith. Page 57

11. **Discussion of 2024 League of Arizona Cities and Towns Resolutions with the purpose of providing direction to the Mayor on which resolutions the Town of Camp Verde supports.** Staff Resource: Town Manager Miranda Fisher. Page 63

12. **Adjournment**

*Note: Upon a public majority vote of a quorum of the Town Council, the Council may hold an executive session, which will not be open to the public, regarding any item listed on the agenda but only for the purpose of discussion or consultation for legal advice with the Town Attorney as permitted by A.R.S. § 38-431.03(A)(3). Any other executive sessions will be separately included on the agenda above if an executive session will be held at the meeting.*

*Pursuant to A.R.S. §38-431.01 Meetings shall be open to the public - All meetings of any public body shall be public meetings and all persons so desiring shall be permitted to attend and listen to the deliberations and proceedings. All legal action of public bodies shall occur during a public meeting. Pursuant to Town Code, Section 2-3-7.1 the Mayor shall call for a vote of the Council to allow the meeting to continue past the deadline of 10:00 p.m. The Town of Camp Verde Council Chambers is accessible to persons with disabilities. Those with special accessibility or accommodation needs, such as large typeface print, may request these at the Office of the Town Clerk at 928-554-0021.*

CERTIFICATION OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at the Town of Camp Verde, Bashas and Camp Verde Library on 08-16-2024 at 4:00 p.m. in accordance with the statement filed by the Camp Verde Town Council with the Town Clerk

Virginia Jones

Virginia Jones Acting Town Clerk



**DRAFT MINUTES**  
**TOWN OF CAMP VERDE**  
**REGULAR SESSION**  
**MAYOR AND COUNCIL**  
**473 S MAIN STREET, SUITE 106**  
**WEDNESDAY, AUGUST 7, 2024 at 6:30 P.M.**

Note: Council member(s) may attend Council Sessions either in person or by telephone, video, or internet conferencing.

**1. Call to Order**

Mayor Jenkins called the meeting to order at 6:30 p.m.

**2. Roll Call**

Mayor Dee Jenkins, Vice Mayor Marie Moore, Councilor Wendy Escoffier, Councilor Cris McPhail, Councilor Jackie Baker, Councilor Jesse Murdock and Councilor Robin Godwin are present.

**Also Present**

Town Manager Miranda Fisher, Town Attorney Trish Stuhan, Acting Town Clerk Virginia Jones, Acting Deputy Clerk Jadie Edwards and Recording Secretary Jennifer Reed.

**3. Pledge of Allegiance**

Councilor Murdock led the Pledge.

**4. Consent Agenda** – All those items listed below may be enacted upon by one motion and approved as consent agenda items. Any item may be removed from the Consent Agenda and considered as a separate item if a member of Council requests.

**a) Approval of the Minutes:**

- 1) Special Session – July 10, 2024 at 5:30 p.m.
- 2) Special Session – July 17, 2024 at 6:00 p.m..
- 3) Regular Session – July 17, 2024 at 6:30 p.m.

**b) Set Next Meeting, Date and Time:**

- 1) Special/Work Session – August 14, 2024 at 5:30 p.m.
- 2) Regular Session – August 21, 2024 at 6:30 p.m.

**c) Consideration and possible approval for the Town Finance Director to make the attached budget adjustment labeled BAFY24-02 for the FY24 Budget Year, creating an operating transfer of \$15,128 from the General Fund to the Nonfederal Grants Fund and assigning the amount as State RICO expenses.** Staff Resource: Finance Director Michael Showers

- d) **Consideration and possible approval of amendments to the Town's Salary Plan.** Staff Resource: Human Resource Director Julia Kaiser.
- e) **Consideration and approval of Brownfields Grant Application from Arizona Department of Environmental Quality for the Brick Building at 546 S 1st Street.** Staff Resource: Stormwater Specialist Patty Mancini.
- f) **Consideration and approval of Brownfields Grant Application from Arizona Department of Environmental Quality for the Green Building at the Wastewater Treatment Plant.** Staff Resource: Stormwater Specialist Patty Mancini
- g) **Consideration and approval of the Cooperative Purchase Agreement with Cactus Asphalt for the FY25 Pavement Preservation Project.** Staff Resource: CIP Project Manager Martin Smith

Mayor Jenkins would like to pull item 4(d) and Councilor Escoffier Item 4(c) for further discussion.

**Motion** was made by Vice Mayor Moore to accept the consent agenda excluding Item 4(c) and 4(d). Second was made by Councilor Baker

**Roll Call Vote:**

Councilor Baker: aye  
Councilor McPhail: aye  
Councilor Murdock: aye  
Councilor Godwin: aye  
Councilor Escoffier: aye  
Vice Mayor Moore: aye  
Mayor Jenkins: aye

**Motion** carried 7-0.

**Item 4(d)-** Mayor Jenkins is concerned with adding the Economic Development Division Manager position. She explained that Council approved this year's budget with no new hires, positions or payroll increases unless promotions or certification. This could be looked at again mid-year. The council also agreed any replacement positions would be re-evaluated by the manager before hiring. Ms. Jenkins explained the Economic Development Department needs a director and not a manager. Town Manager Miranda Fisher added context regarding adding the Economic Development Manager position, explaining the perception of Molly Davies role in both of the Economic Development Director/Town Manager positions. She would like time to sort this out at a later time. Mayor Jenkins would also like to know more about the manager positions spread across the different pay groups. For example, why is the Library Manager in a different classification as some of the other managers. Councilor Escoffier would also like to know about the

level of the Library Director. Manager Fisher will take the time to talk through these pay scales.

**Motion** was made by Vice Mayor Moore to approve the salary plan with the changes as discussed, excluding the Economic Development Manager position. Second was made by Councilor Escoffier.

**Roll Call Vote:**

Councilor Baker: aye  
Councilor McPhail: aye  
Councilor Murdock: aye  
Councilor Godwin: aye  
Councilor Escoffier: aye  
Vice Mayor Moore: aye  
Mayor Jenkins: aye

**Motion** carried 7-0.

**Item 4(c)-** Councilor Escoffier asked about the amount that was previously approved was \$13,000 and the amount of the adjustment is over \$15,000, but most importantly are there protocols in place to make sure the money is being spent correctly in the grant. Marshall Rowley explained money cannot be taken out of the RICO Fund unless he goes to the Attorney General to get approval. Ms. Fisher explained this is making the RICO Fund whole; the amount received is what must be returned.

**Motion** was made by Council Escoffier to approve Consent Agenda Item 4(c). Second was made by Councilor McPhail.

**Roll Call Vote:**

Councilor Baker: aye  
Councilor McPhail: aye  
Councilor Murdock: aye  
Councilor Godwin: aye  
Councilor Escoffier: aye  
Vice Mayor Moore: aye  
Mayor Jenkins: aye

5. **Call to the Public for items not on the Agenda. (Please complete Request to Speak Card and turn it in to the Clerk.)** Residents are encouraged to comment about any matter NOT included on the agenda. State law prevents the Council from taking any action on items not on the agenda. At the conclusion of an open call to the public, individual members of the public body may respond to criticism made by those who have addressed the public body, may ask staff to review a matter or may ask that a matter be put on a future agenda. However, members of the public body shall not discuss or take legal action on matters raised during an open call to the public unless the matters are properly noticed for discussion and legal action. (Pursuant to ARS §38-431.01(H))
- Benny King- wanted to bring to the Council's attention that the Verde Ditch Company is piping the Verde Ditch from the marijuana place to Basha's. He said he and his neighbor's are concerned about the changes that could come with this.

Mayor Jenkins requested the Town Manager to look into this.

- 6. Summary of Current Events.** The Town Council and the Town Manager may provide brief summaries of current events and activities. These summaries are strictly for informing the public of such events and activities. The Council will not propose, discuss, deliberate or take action on any such item, except that an individual Council member may request that the item be placed on a future agenda. Summaries may include committee meetings that Council members attend. The Committees are: Copper Canyon Fire & Medical District, Yavapai College Governing Board, Yavapai-Apache Nation, Intergovernmental Association, NACOG Regional Council, Verde Valley Regional Economic Organization (VVREO), League Resolutions Committee, Arizona Municipal Risk Retention Pool, Verde Valley Transportation Org, Verde Valley Transit Committee, Verde Valley Water Users, Verde Valley Homeless Coalition, Verde Front, Verde Valley Steering Committee of MAT Force, Public Safety Personnel Retirement Board, Phillip England Center for the Performing Arts Foundation.

Councilor Godwin attended the Verde Valley Chamber Mixer that was hosted by the Yavapai Apache Nation at the Casino.

Councilor McPhail attended the Verde Valley Chamber Mixer and Teen Game Night.

Councilor Escoffier gave kudos to the Immediate Care in town, the staff was great. She also met with Greg Miranda, Camp Verde Bicycle Company, who is looking to open a mobile bike shop.

Councilor Murdock said Camp Verde Unified School started school today. Please be aware of school buses and children.

Mayor Jenkins attended her usual biweekly meetings; she participated in The Town Clerk interview process and Meet & Greet. She and the Manager toured the County offices and discussed future projects. Today started the 3-day Arizona Rural Policy Forum in Clarkdale.

Town Manager Miranda Fisher touched on a few topics-

- Officially formed the Technical Advisory Group for the General Plan. The 1<sup>st</sup> meeting will be Tuesday, August 13<sup>th</sup>.
- A Special Session is scheduled Wednesday, August 14<sup>th</sup> it will be regarding retail marijuana.
- Livestock Ordinance, the work group met July 25<sup>th</sup>. Ms. Fisher reviewed the meeting. The Ordinance is posted on the website and they want public comments.
- The position of Town Clerk was offered to Leah Rhodes, she is set to start August 26<sup>th</sup>.
- The pool has been temporarily closed due to maintenance issues. Actively evaluating how to get it repaired as soon as possible.

*Mayor Jenkins would like to move up Agenda Item 12 seeing that the Yavapai-Apache Nation Chairwomen Tanya Lewis is in attendance.*

- 12. Discussion, consideration and possible approval or Resolution 2024-1147, a Resolution of the Mayor and Common Council of the Town of Camp Verde, Yavapai County, Arizona approving the Yavapai-Apache Nation Water Rights Settlement Agreement among the United States of America, the State of Arizona, the Yavapai-Apache Nation, the Salt River Project Agricultural improvement and Power District, the Salt River Valley Water Users' Association, the Central Arizona Water Conservation District, the Town of**

**Camp Verde, The Town of Clarkdale, and the City of Cottonwood and authorizing the Mayor to execute the Settlement Agreement and all documents necessary to carry out the Settlement Agreement.** Staff Resource: Town Manager Miranda Fisher

Town Manager Miranda Fisher gave an overview of the item. The agreement is a result of years-long negotiations spanning various Town Council Members, Mayors, Tribal Chairs and Tribal Council Members, and has been recommended for approval by the Town's water rights attorney.

The Agreement between the Town and the Yavapai-Apache Nation ("the Town's Agreement") is an attachment to the larger Settlement Agreement that is being introduced at the request of the Nation as legislation in the United States Congress. The Town's Agreement will settle water rights claims between the Town of Camp Verde and the Yavapai-Apache Nation. In addition to establishing recognized water budgets that allow for responsible growth and water usage, the Town's Agreement outlines processes that will ensure cooperation in the development of long-term water resources between the parties. Notably, the Town's Agreement is specific to claims between the Town and the Nation, and does not settle claims by individual property owners in Camp Verde that may have their own water rights claims pending in the Gila River Adjudication. The ultimate enactment of the Town's Agreement will be subject to Congressional approval of the Nation's larger Settlement Agreement. When approved by Congress and other parties, the larger Settlement Agreement will permanently resolve the Nation's water rights claims in the Verde River Watershed.

Yavapai Apache Nation Chairwomen Tanya Lewis introduced herself and gave a brief background of her associations. She spoke about the importance of this agreement.

Mayor Jenkins, Council Members and Utilities Director Jeff Low (via ZOOM) thanked everyone who was involved in putting this agreement together.

**Public Comment**

Tony Gioia is in support of this agreement and thanked everyone involved with putting this agreement together.

**Motion** made by Councilor Baker to approve Resolution 2024-1147, a Resolution of the Mayor and Common Council of the Town of Camp Verde, Yavapai County, Arizona approving the Yavapai Apache Nation Water Rights Settlement Agreement. Second was made by Councilor McPhail.

**Roll Call Vote:**

Councilor Baker: aye

Councilor McPhail: aye

Councilor Murdock: aye

Councilor Godwin: aye

Councilor Escoffier: aye  
Vice Mayor Moore: aye  
Mayor Jenkins: aye  
**Motion** carried 7-0.

**7. Special Announcements and Presentations:**

• **Planning & Zoning Quarterly Report**

Planning and Zoning Commission Chair Drew Faiella presented the Planning and Zoning quarterly Report.

**8. Discussion, consideration and possible adoption of Resolution 2024-1139, a Resolution of the Mayor and Common Council of the Town of Camp Verde, Yavapai County, Arizona, approving Use Permit 20240139, with conditions for Elizabeth and Monte Pierce for property generally located at the South end of Road Ranger Lane (APN 404-02-129A). Staff Resource: Planner Cory Mulcaire**

**Staff Comment**

Planner Cory Mulcaire explained the applicant applied for a Use Permit to build a 60-unit RV Park on their property located at the South end of Road Ranger Lane (APN 404-02-129A). The staff is recommending adding conditions to the permit as well as the Planning and Zoning Commission is recommending additional conditions to the permit. May have to wait until they redo the RV Park Ordinance to add additional length of stay restrictions..

**Applicant Comment**

Monty Pierce explained it is a 48-unit RV Park and not 60. He did a slide show presentation of the plans for the Council to review. Travis Brewer also talked about some items in the plan. Mayor Jenkins read through the additional conditions. The applicant is ok with the additional conditions with the exception of the “no long-term stay” condition. They would like to have 9 long-term spaces.

Town Attorney Trish Stuhan reviewed how the code would work and how changes could affect parks that are already established. She suggests amending the letter of intent changing the number of RV sites to 48 (not 60 that are listed in the letter) and adding the stipulations which are listed in the power point slide.

Council discussed sewer/septic and the Traffic Study Report. Councilor Murdock reviewed the reasoning and process of the Use Permit.

**Public Hearing open: 7:51 p.m.**

Robert Corcorn neighborhood is against this plan; there are too many mobile home parks in the neighborhood.

**Public Hearing closed: 7:53 p.m.**

Councilor Escoffier suggested having this come back to Council with the updates added to the plan and resolution. Ms. Stuhan explained this wouldn't necessarily have to come back if the changes are stated in the motion.

**Motion** made by Councilor Murdock to adopt Resolution 2024-1139, a Resolution of the Mayor and Common Council of the Town of Camp Verde, with amendments to Resolution 2024-1139 to state: Property #APN 404-02-129A to accept staff recommended conditions *Attachment D*, recommended conditions #1 The applicant shall comply with the requirements contained in an **updated** Letter of Intent to note 48 spaces and the bullet points outlined in the presentation to council and the Site Plan updated to note 48 spaces. Upon approving the Use Permit 20240139, with conditions for Elizabeth and Monte Pierce for property generally located at the South end of Road Ranger Lane (APN 404-02-129A). Second was made by Councilor Baker.

**Roll Call Vote:**

Councilor Baker: aye  
Councilor McPhail: aye  
Councilor Murdock: aye  
Councilor Godwin: aye  
Councilor Escoffier: aye  
Vice Mayor Moore: aye  
Mayor Jenkins: aye

**Motion** carried 7-0.

*Meeting break: 8:00 p.m.*

*Meeting resume: 8:05 p.m.*

9. **Discussion, consideration and possible adoption or Ordinance 2024-A495, an Ordinance of the Mayor and Common Council of the Town of Camp Verde, Yavapai County, Arizona amending the Planning and Zoning Ordinance Section 203.L – Use Districts – PAD (Planned Area Development).** Staff Resource: Planner Cory Mulcaire.

Planner Cory Mulcaire explained Town Council, along with the Planning and Zoning Commission held a Joint Work Session on April 22, 2023. From that session, staff was directed to update the Planned Area Development (PAD) code. Ms. Mulcaire reviewed the changes. The Planning and Zoning Commission unanimously recommended approval of the draft PAD Ordinance, updating Section 203.L of the Planning and Zoning Ordinance. Community Development Director John Knight clarified there was some discussion about requirements at the Planning & Zoning Commission level.

**Public hearing open: 8:13 p.m.**

**Public Hearing closed: 8:14 p.m.**

### **Staff Comments**

Town Attorney Trish Stuhan likes the changes made and recommends authorizing final changes made by the town attorney.

**Motion** made by Councilor McPhail to adopt Ordinance 2024-A495, with the final changes from Legal Counsel. Second was made by Councilor Baker.

### **Roll Call Vote:**

Councilor Baker: aye

Councilor McPhail: aye

Councilor Murdock: aye

Councilor Godwin: aye

Councilor Escoffier: aye

Vice Mayor Moore: aye

Mayor Jenkins: aye

**Motion** carried 7-0.

10. **Discussion, consideration and possible approval to purchase an HX30A Vacuum Excavator and Trailer and giving authority to the Town Finance Director to sign any and all necessary documents to secure a 5-year lease with US Bank in the amount of \$79,579.82 as per the attached quotes.** Staff Resource: Utilities Director Jeff Low

Utilities Director Jeff Low (via ZOOM) read through Finance Director Mike Showers comments, stating where the funds are coming from and what needs approved. Mr. Low continued and said the Vac Trailer is needed to provide a safer work environment while locating and working around other utilities, especially power and natural gas. Currently, Water Division staff are hand digging areas to find leaks. The Vac Trailer will reduce man hours and other equipment needs, reducing road closures and making for shorter water outages due to leaks. Staff is also planning to utilize the Vac Trailer to find potential utility conflicts for the Water Main Replacement Project design (Verde Village, Park Verde Estates and Fort Verde Caves areas). This will save significant funding.

**Motion** made by Vice Mayor Moore to approve the purchase of an HX30A Vacuum Excavator and trailer and giving authority to the Town Finance Director to sign any and all necessary documents to secure a 5-year lease with US Bank in the amount of \$79,579.82 as per the attached quotes. Second was made by Councilor McPhail.

### **Roll Call Vote:**

Councilor Baker: aye

Councilor McPhail: aye

Councilor Murdock: aye

Councilor Godwin: aye

Councilor Escoffier: aye  
Vice Mayor Moore: aye  
Mayor Jenkins: aye  
**Motion** carried 7-0.

11. **Discussion, consideration and possible approval of Change Order 4 requested by Ligon Excavation for the Camp Verde Sports Complex Watermain Installation Project in the amount of \$27,567.64.** Staff Resource: CIP Project Manager Martin Smith

CIP Project Manager Martin Smith stated while excavating the proposed watermain at the Sports Complex the contractor has encountered several conflicts with existing utilities. Some of these conflicts were able to be resolved quickly, others have caused the contractor to incur extra expense in relocating the watermain to provide required clearances with the existing utilities. On the second day of construction the contractor encountered a 6" PVC reclaimed water lateral that was not shown on the approved plans. This lateral was at the same elevation as the proposed watermain, causing the contractor to have to excavate deeper to get underneath the existing reclaimed water lateral while providing the required utility separation. While excavating the trench for the proposed watermain to cross Champion Trail the contractor discovered several conflicts with the existing 8" PVC reclaimed watermain, 6" PVC force main, and 8" PVC sewer. While the force main was shown in plain view on the plans, it was not shown on the profile and had a direct impact on the design of the proposed watermain. Due to these conflicts the contractor needed to deviate from the design of the proposed water main to get around the conflicts while providing the required separation from the existing utilities. Staff will exhaust the remaining Owner's Allowance to offset the effect of this change order; however, there is not enough funding in the allowance to completely cover these costs. Staff is requesting an additional \$17,487.26 to cover the cost of these changes. He has zeroed out the contingency in order to cover most of the cost. The revised budget will be uploaded to the website once it is complete.

**Motion** made by Councilor Godwin to approve Change Order 4 requested by Ligon Excavation for the Camp Verde Sports Complex Watermain Installation Project in the amount of \$27,567.64. Second was made by Vice Mayor Moore.

**Roll Call Vote:**

Councilor Baker: aye  
Councilor McPhail: aye  
Councilor Murdock: aye  
Councilor Godwin: aye  
Councilor Escoffier: aye  
Vice Mayor Moore: aye  
Mayor Jenkins: aye

**Motion** carried 7-0.

**13. Adjournment**

Mayor Jenkins adjourned the meeting at 8:37 p.m.

\_\_\_\_\_  
Mayor Dee Jenkins

\_\_\_\_\_  
Attest: Town Clerk Virginia Jones

**CERTIFICATION**

I hereby certify that the foregoing Minutes are a true and accurate accounting of the actions of the Mayor and Common Council of the Town of Camp Verde during the Regular Session of the Town Council of Camp Verde, Arizona, held on August 7, 2024. I further certify that the meeting was duly called and held, and that a quorum was present.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
Virginia Jones, Town Clerk



# Town Council

## Agenda Information Memorandum

**Meeting Date:** August 21, 2024

**Agenda Item Type:**

- ☒ Consent Agenda      ☐ Informational Presentation      ☐ Discussion Item  
☐ Action/Decision Item      ☐ Executive Session Request      ☐ Other:

**Requesting Department:** Economic Development  
Development Director

**Staff Resource:** Molly Davies, Economic

**Agenda Title:** Possible approval for the mayor to sign a letter supporting Black Canyon Community Health Center (BCCHC) to apply for up to \$650,000 of Health Resources and Services Administration grant funds to expand, locate, and provide healthcare services Camp Verde.

**Attached Documents:**

- Draft letter of support for BCCHC

**Estimated Presentation Time:** N/A

**Estimated Discussion Time:** N/A

**Reviewed By:**

- ☒ Town Manager      ☐ Legal      ☐ Risk Management      ☐ Finance      ☐ Other:

**Financial Review** (if applicable):

- Funding Source / GL Account Number: N/A
- Approved in the FY25 Budget? ☐ Yes      ☐ No      ☒ N/A      ☐ Other:
- Is this an approved CIP Project? ☐ Yes      ☐ No      ☒ N/A      ☐ Other:

**Background Information:**

Black Canyon City Community Health Center, a non-profit organization, currently operates in Black Canyon and Spring Valley. They are interested in expanding and locating in Camp Verde. They have not secured a location yet. This grant will expedite their ability to locate and open in Camp Verde. They will provide services including primary care, counseling, lab, imaging, dental, and more—addresses critical needs in our community. They will be able to accept a wide range of insurance options, including all forms of Medicare and Medicaid.

**Connection to the [FY25-FY30 Strategic Plan](#)**

Expanded healthcare in Camp Verde helps to achieve our vision that “Camp Verde is welcoming; a safe community, a vibrant economy, thoughtfully growing, and offering an exceptional quality of life.” Further, this helps our focus on having a resilient economy. As stated in our FY25-FY30 Strategic Plan, a resilient economy is “a diversified economy that supports the community’s ability to grow, thrive, and adapt.”

**Question(s) before the Council:**

- Do we support this grant request?



## Town Council Agenda Information Memorandum

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**Proposed Motion:** Approval for the mayor to sign a letter supporting Black Canyon Community Health Center (BCHHS) to apply for up to \$650,000 of Health Resources and Services Administration grant funds to expand, locate, and provide healthcare services Camp Verde.



# Town of Camp Verde

◆ 473 S. Main Street, Suite 102 ◆ Camp Verde, Arizona 86322 ◆  
◆ Telephone: 928.554-0000 ◆ Fax: 928.567.9061 ◆  
◆ [www.campverde.az.gov](http://www.campverde.az.gov) ◆

August 21, 2024

Health Resources and Services Administration  
Bureau of Primary Health Care  
5600 Fishers Lane  
Rockville, MD 20857 USA

RE: Health Resources and Services Administration New Access Point Grant Request for up to \$650,000

I am writing on behalf of the Camp Verde Town Council to express our support for the Black Canyon Community Health Center's (BCCHC) Health Resources and Services Administration's (HRSA) New Access Point grant application to expand and locate in Camp Verde. This grant will help to provide much needed healthcare services to the residents of Camp Verde and the broader Verde Valley.

Currently, our community does not have a HRSA-defined Federally Qualified Health Center, an outpatient clinic that qualifies for specific reimbursement under Medicare and Medicaid. We recognize the tremendous value such a facility would bring to our residents. BCCHC's commitment to offering services on a sliding fee scale will be invaluable in assisting low-income individuals. The range of services—including primary care, counseling, lab, imaging, dental, and more—addresses critical needs in our community. Moreover, the ability to accept a wide range of insurance options, including all forms of Medicare and Medicaid, is crucial for reducing current barriers to healthcare in Camp Verde.

We believe an expanded BCCCHC in Camp Verde will greatly improve healthcare access and outcomes for our residents and other in the region. The Camp Verde Town Council supports this grant application and is committed to collaborating with BCCHC to ensure its success.

Sincerely,

Dee Jenkins  
Mayor  
Town of Camp Verde







# Town Council

## Agenda Information Memorandum

**Meeting Date:** August 21, 2024

**Agenda Item Type:**

- ☒ Consent Agenda      ☐ Informational Presentation      ☐ Discussion Item  
☐ Action/Decision Item      ☐ Executive Session Request      ☐ Other:

**Requesting Department:** Economic Development  
Development Director

**Staff Resource:** Molly Davies, Economic

**Agenda Title:** Possible approval for the mayor to sign a letter supporting Yavapai County Community Health Services (YCCHS) to apply for up to \$650,000 of Health Resources and Services Administration grant funds to establish a community health center in Camp Verde.

**Attached Documents:**

- Draft letter of support for BCCHC

**Estimated Presentation Time:** N/A

**Estimated Discussion Time:** N/A

**Reviewed By:**

- ☒ Town Manager      ☐ Legal      ☐ Risk Management      ☐ Finance      ☐ Other:

**Financial Review** (if applicable):

- Funding Source / GL Account Number: N/A
- Approved in the FY25 Budget? ☐ Yes      ☐ No      ☒ N/A      ☐ Other:
- Is this an approved CIP Project? ☐ Yes      ☐ No      ☒ N/A      ☐ Other:

**Background Information:**

Yavapai County Community Health Services wants to locate a community health center in Camp Verde. This grant will expedite their ability to locate in Camp Verde and provide services to community members. They will provide services including primary care, obstetrics, behavioral health, laboratory services, dental, and more—addressing critical needs in our community. They will be able to accept a wide range of insurance options, including all forms of Medicare and Medicaid.

**Connection to the [FY25-FY30 Strategic Plan](#)**

Expanded healthcare in Camp Verde helps to achieve our vision that “Camp Verde is welcoming; a safe community, a vibrant economy, thoughtfully growing, and offering an exceptional quality of life.” Further, this helps our focus on having a resilient economy. As stated in our FY25-FY30 Strategic Plan, a resilient economy is “a diversified economy that supports the community’s ability to grow, thrive, and adapt.”

**Question(s) before the Council:**

- Do we support this grant request?



## Town Council Agenda Information Memorandum

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**Proposed Motion:** Approval for the mayor to sign a letter supporting Yavapai County Community Health Services (YCCHS) to apply for up to \$650,000 of Health Resources and Services Administration grant funds to establish a community health center in Camp Verde.



# Town of Camp Verde

◆ 473 S. Main Street, Suite 102 ◆ Camp Verde, Arizona 86322 ◆  
◆ Telephone: 928.554-0000 ◆ Fax: 928.567.9061 ◆  
◆ [www.campverde.az.gov](http://www.campverde.az.gov) ◆

August 21, 2024

Health Resources and Services Administration  
Bureau of Primary Health Care  
5600 Fishers Lane  
Rockville, MD 20857 USA

RE: Health Resources and Services Administration New Access Point Grant Request for up to \$650,000

On behalf of the Town of Camp Verde's Town Council, we support Yavapai County Community Health Services' (YCCHS) application for federal funding under Health Resources and Services Administration's (HRSA) New Access Points to establish a Community Health Center in Camp Verde, Arizona. This grant will help to provide much needed healthcare services to the residents of Camp Verde and the broader Verde Valley.

YCCHS plays a critical role in Yavapai County, Arizona by offering primary medical, dental, counseling, and psychiatric services to every resident of Yavapai County. They are the only HRSA funded Federally Qualified Health Center with clinics in Yavapai County and the only Medicaid credentialed dental practice for adult preventative and restorative dental care in this service area accepting new patients.

The New Access Point would be a collaboration of YCCHS, Yavapai County Government, and the Town of Camp Verde. This cohesion of services will provide primary care, obstetrics, behavioral health, and laboratory services. Obstetrics and laboratory services are currently unavailable in Camp Verde, requiring residents to drive 30-60 minutes each way for routine services. This proposed site will reduce barriers to care and make positive impacts to a community with a high prevalence of uninsured residents.

Rural communities such as Camp Verde and locations throughout Yavapai County face many difficulties with accessing quality healthcare services. The proposed New Access Point for YCCHS in Camp Verde, Arizona will mitigate those barriers. The Camp Verde Town Council supports this grant application and is committed to collaborating with YCCHS to ensure its success.

Sincerely,

Dee Jenkins  
Mayor  
Town of Camp Verde







# Town Council

## Agenda Information Memorandum

**Meeting Date: August 21, 2024**

**Agenda Item Type:**

- |                                               |                                                                |                                          |
|-----------------------------------------------|----------------------------------------------------------------|------------------------------------------|
| <input type="checkbox"/> Consent Agenda       | <input checked="" type="checkbox"/> Informational Presentation | <input type="checkbox"/> Discussion Item |
| <input type="checkbox"/> Action/Decision Item | <input type="checkbox"/> Executive Session Request             | <input type="checkbox"/> Other:          |

**Requesting Department: Economic Development  
Manager / Economic Development Director**

**Staff Resource: Molly Davies, Deputy Town**

**Agenda Title: Presentation and update from the Economic Collaborative of Northern Arizona (ECoNA)**

**Attached Documents:**

- ECoNA's presentation

**Estimated Presentation Time: 10-15 min**

**Estimated Discussion Time: 5 min**

**Reviewed By:**

- |                                                  |                                |                                          |                                  |                                 |
|--------------------------------------------------|--------------------------------|------------------------------------------|----------------------------------|---------------------------------|
| <input checked="" type="checkbox"/> Town Manager | <input type="checkbox"/> Legal | <input type="checkbox"/> Risk Management | <input type="checkbox"/> Finance | <input type="checkbox"/> Other: |
|--------------------------------------------------|--------------------------------|------------------------------------------|----------------------------------|---------------------------------|

**Financial Review (if applicable):**

- Funding Source / GL Account Number: 01-170-20-703500: The \$10,000 membership dues already paid for FY25
- Approved in the FY25 Budget? ☒ Yes ☐ No ☐ N/A ☐ Other:
- Is this an approved CIP Project? ☐ Yes ☐ No ☒ N/A ☐ Other:

**Background Information:**

The Town of Camp Verde has been a member of the Economic Collaborative of Northern Arizona (ECoNA) for three years. ECoNA is a regional organization comprised of members from Northern Arizona communities, business, and non-profit organizations. ECoNA is dedicated to business attraction, retention, and expansion; workforce development; and regional collaboration. Routinely, they work to enhance the economic prosperity of the region by increasing wealth and accelerating job creation. This happens through their marketing (i.e. strategic relationships, tradeshow, and familiarization tours), business outreach and support, advocacy with decisions makers about funding and business site selection (i.e. Congressional delegations and AZ Commerce Authority), and networking support to its members and Northern Arizona businesses.

To do economic development successfully, it's imperative for the Town to strategically partner with organizations like ECoNA. Rural communities like Camp Verde cannot reasonably afford to hire all the staff we need to implement our economic development. This is why we leverage the expertise and assistance of partners like ECoNA. Gail Jackson, the CEO/President of ECoNA, is considered a leader and coworker to our Town's Economic Development team. Town staff participate on the monthly business attraction and business retention and expansion call. As part of the Town's membership, we have a seat on ECoNA's board; currently Molly Davies is serving as the Town's designated board member on ECoNA.



## Town Council Agenda Information Memorandum

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The following are just a few ways ECoNA has support the Town's economic development efforts this past year:

- Familiarization ("Fam") Tours – EcoNA has done a couple of fam tours in Camp Verde this past year. They've brought regional leaders and ECoNA members to Camp Verde to learn more about our economic development needs, tour manufacturing businesses, and available properties which resulted in all participants being more able to promote Camp Verde's assets. ECoNA also brought developers and the Arizona Commerce Authority (ACA) to showcase Camp Verde as place to invest in.
- International Council of Shopping Centers (ICSC) – The Town partners with ECoNA to attend the ICSC trade show to promote Camp Verde for retail business recruitment. It's more affordable to share the trade show booth costs with ECoNA. Further, because of ECoNA's relationships, the Town has access to more developer and retail business meetings than if we were to reach out on our own. A Town staff member will be joining ECoNA again this September at ICSC.
- Business recruitment - ECoNA often works with confidential business leads. Not all businesses are interested in working with local governmental employees at first. It's great to have ECoNA as a partner so they can represent our economic development goals and communicate our community values.
- Support – EcoNA is an advocate of the Town and the region. They hosted a lunch with Senator Mark Kelly to discuss our regions keys economic development needs and concerns (i.e. workforce housing and infrastructure). Additionally, they often write letters of support for infrastructure funding.
- Data – ECoNA has a subscription to Buxton data which provides analytic data based on credit expenditures, mobile devices and location, and consumer surveys. This is available for the Town and our business clients to use. This data can annually cost upwards of \$25,000.
- Five-Year Strategic Plan (adopted 2024) – This was adopted in 2024 to help guide the economic development for Northern Arizona. Access the plan at [Resources & Data - ECoNA \(econa-az.com\)](https://resources.econa-az.com)

### Connection to the [FY25-FY30 Strategic Plan](#)

ECoNA is a key partner with the Town of Camp Verde and is directly helpful to the Town's focus on having a resilient economy. As stated in our FY25-FY30 Strategic Plan, a resilient economy is "a diversified economy that supports the community's ability to grow, thrive, and adapt."

### Question(s) before the Council:

- This presentation is to inform of the Council about ECoNA and the work they do to support the Town of Camp Verde's economic development efforts. The Council is encourage to asked questions.

### Proposed Motion:

N/A



***Regional Economic  
Development in Northern  
Arizona***

***Gail Jackson, President/CEO***

# Who are we

## What's our mission

“With our partners, we provide quality economic growth for northern Arizona.”





# SECTORS

- ☐ Education
- ☐ Utilities
- ☐ Developers
- ☐ Finance
- ☐ Business
- ☐ Government
- ☐ Real Estate
- ☐ Non-Profit

**“ECONA is an economic collaborative organization supported by a multitude of agencies in Northern Arizona. The agency coordinates the regional efforts of private, public, and nonprofit organizations that are working to improve economic vitality in northern Arizona.”**



Council Regular Session



August 21, 2024



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# Objectives

- Strengthen and Grow Existing Northern Arizona Businesses
  - Increase Innovation, Entrepreneurship and Investment
  - Increase State, National, and International Business
  - Improve the Workforce – Prioritize Education to Develop the Workforce of the Future
- 



August 21, 2024

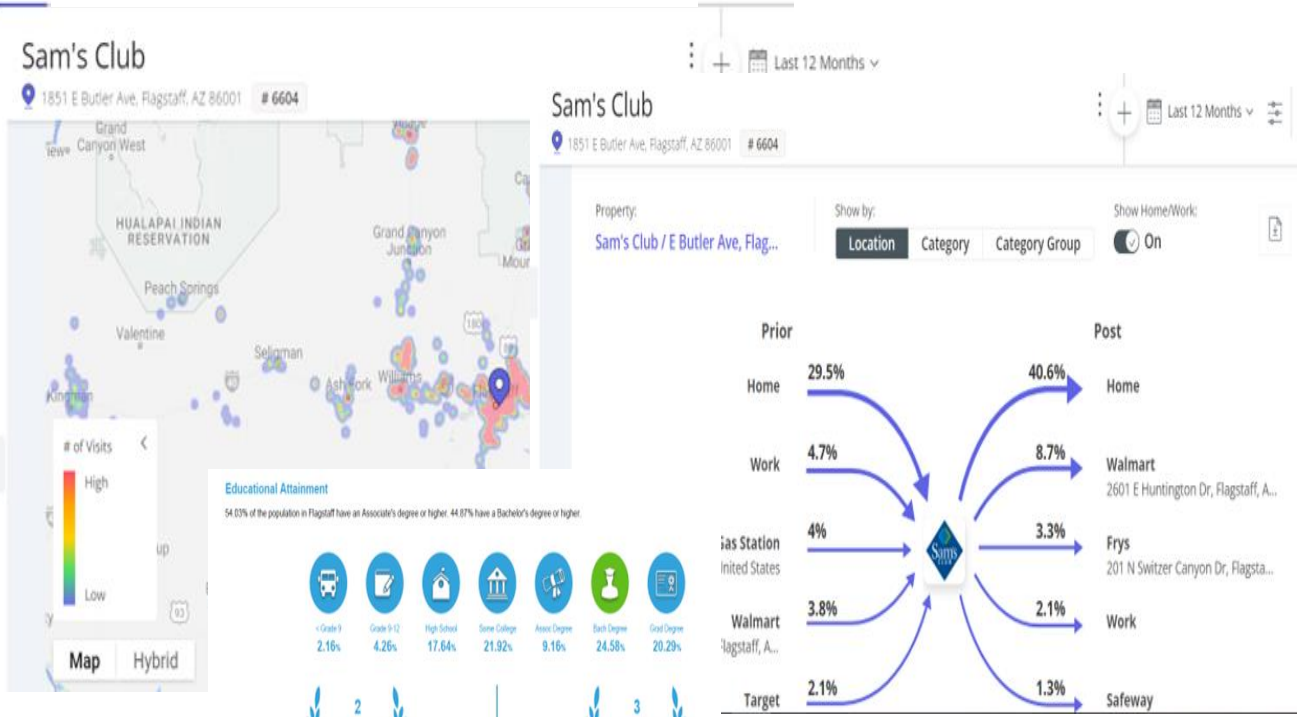
# Understand Consumers

buxton®



Placer.ai

Data



# 2024 PRIORITIES

WORKFORCE  
HOUSING



ATTITUDE

REGIONAL POLICY  
& COLLABORATION



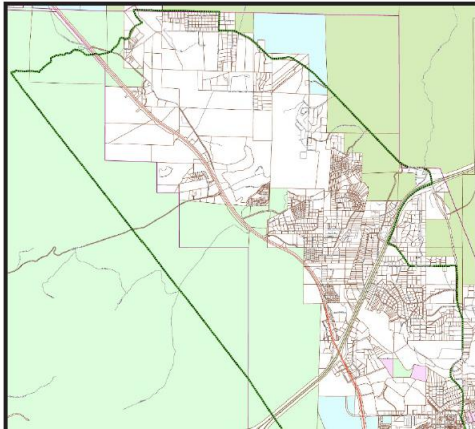
# Data

## ECoNA Region Five-Year Affordable Housing Demand

| Community    | Existing<br>Gap Demand | Forecasted<br>Employment<br>5-Yr. Demand | Total 5-Yr.<br>Demand |
|--------------|------------------------|------------------------------------------|-----------------------|
| Camp Verde   | 1,190                  | 127                                      | 1,317                 |
| Flagstaff    | 10,958                 | 1,296                                    | 12,254                |
| Sedona       | 2,114                  | 444                                      | 2,558                 |
| Williams     | 405                    | 121                                      | 526                   |
| Winslow      | 688                    | 54                                       | 742                   |
| <b>Total</b> | <b>15,355</b>          | <b>2,043</b>                             | <b>17,398</b>         |

Source: Lightcast Q2 2023; Elliott D. Pollack & Company

# Growth Opportunities

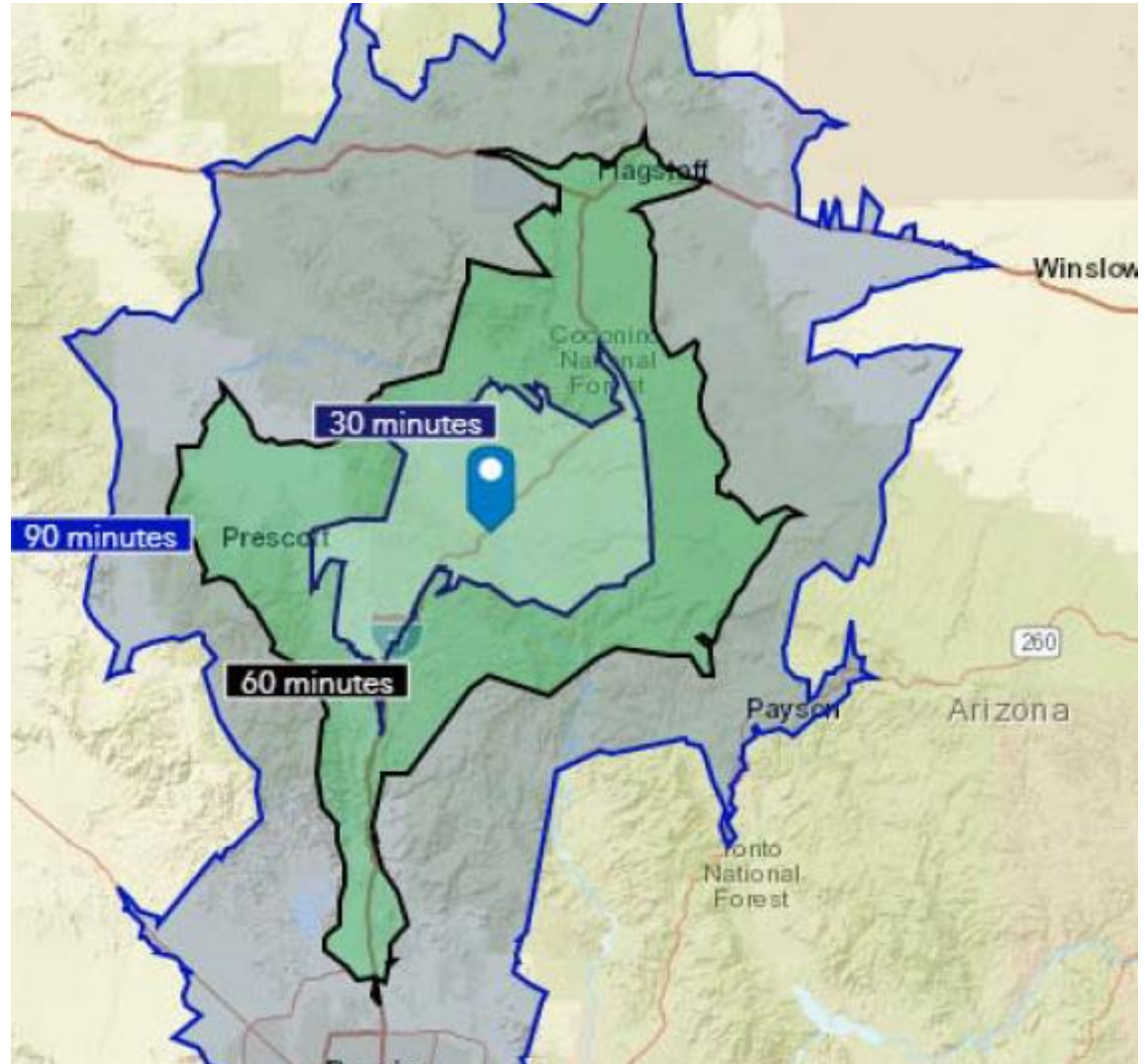


Opportunity Zone



Verde Valley Industrial Park

# Camp Verde Labor Shed



# Targeted Sectors

Healthcare / Biomedical

Advanced Manufacturing

Transportation/Logistics

Entrepreneurship

Software/Technology Based

Retail



# Tradeshows







Marketing



E-communications



# BA & BRE Combined Meeting

August 21, 2024

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# Board Members



**Kelly Patton**  
APS Manager of Statewide  
Economic Development Programs  
[About Kelly](#)



**Molly Davies**  
Camp Verde Deputy Town  
Manager/Economic Development  
Director  
[About Molly](#)

Development Representation



**Randy McGrane**  
Managing Director, Ensemble  
Investments  
[About Randy](#)



**David Coolidge**  
Winslow City Manager  
[About David](#)



**Dr. Eric Heiser**  
President  
Coconino Community College  
[About Eric](#)



**Mike Penca**  
Superintendent, Flagstaff  
Unified School District  
[About Mike](#)

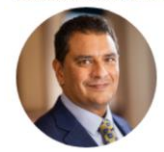
**Joshua Maher**  
Northern Arizona University  
Associate Vice President,  
Community Relations  
[About Joshua](#)

Healthcare Representation



**Dave Cheney**  
President & CEO  
Northern Arizona Healthcare  
[About Dave](#)

Education Representation



**José Luis Cruz Rivera**  
Northern Arizona University President  
[About José Luis](#)

County Government Representation



**Patrice Horstman**  
Coconino County Supervisor  
[About Patrice](#)



**Heidi Hansen**  
Economic Vitality Director,  
City of Flagstaff  
[About Heidi](#)



**Steve Peru**  
Coconino County Manager  
[About Steve](#)



**Becky Daggett**  
Mayor of Flagstaff  
[About Becky](#)

Treasurer



**Steve Eiss**  
Northern Arizona HealthCare  
Vice President - Construction & Real  
Estate Development  
[About Steve](#)

Nonprofit Representation



**Tim O'Neal**  
Goodwill of Central and Northern  
Arizona CEO  
[About Tim](#)



**Greg Clifton**  
Flagstaff City Manager  
[About Greg](#)

# Summary

- ✓ Regional Economic Development
- ✓ Collaborative
- ✓ Data Driven
- ✓ Regional Connections
- ✓ Resource
- ✓ Partner

*Thank you*

**Gail Jackson**

*President/CEO*

gjackson@econa-az.com

Cell: (928) 607-6521

Office: (928) 707-7939

econa-az.com







# TOWN COUNCIL AGENDA INFORMATION MEMORANDUM

**MEETING DATE:** 8/21/2024

**AGENDA ITEM TYPE:**

- ☐ Consent Agenda      ☐ Informational Presentation      ☐ Discussion Item  
☒ Action/Decision Item      ☐ Executive Session Request      ☐ Other:

**REQUESTING DEPARTMENT:** Public Works      **STAFF RESOURCE:** Martin Smith, CIP Project Manager

**AGENDA TITLE:** Discussion, Consideration, and Possible Approval to purchase the wet well for the proposed lift station project at the Camp Verde Sports Complex from Yavapai Precast in the amount of \$14,057.80.

**ATTACHED DOCUMENTS:**

- Cost proposal from Yavapai Precast

**ESTIMATED PRESENTATION TIME:** 5 minutes      **ESTIMATED DISCUSSION TIME:** 5 minutes

**REVIEWED BY:**

- ☒ Town Manager      ☐ Legal      ☐ Risk Management      ☐ Finance      ☐ Other:

**FINANCIAL REVIEW** (if applicable):

- Funding Source / GL Account Number: 04-800-20-804023 (50% reimbursable through grant)
- Approved in the FY25 Budget? ☒ Yes      ☐ No      ☐ N/A      ☐ Other:
- Is this an approved CIP Project? ☒ Yes      ☐ No      ☐ N/A      ☐ Other:

**BACKGROUND INFORMATION:**

At the July 17, 2024 regular meeting Council approved Staff to purchase the lift station wet well from Yavapai Precast in the amount of \$12,176.00. It was later discovered that the vendor's proposal for this amount was an outdated proposal and no longer valid. This proposal also did not include the required sales tax on the purchase. It is believed that a Staff transition was the root cause for this mix-up. The vendor has been consulted and has confirmed that the correct amount should be \$14,057.80 and that this amount includes the appropriate sales tax. Please see the attached proposal for more information.

**CONNECTION TO THE FY25-FY30 STRATEGIC PLAN**

This project complies with the Community Infrastructure section described in the Strategic Plan.

**QUESTION(S) BEFORE THE COUNCIL:**

- Does Council have any questions that I can answer?

**PROPOSED MOTION:** Move to Approve the purchase of the wet well for the proposed lift station project at the Camp Verde Sports Complex from Yavapai Precast in the amount of \$14,057.80.

## QUOTATION ON MATERIAL

### **YAVAPAI BLOCK CO., INC. YAVAPAI PRECAST**

1389 Masonry Way - Prescott, AZ 86301

(928) 445-4340 Phone

(928) 445-4383 Fax

**Customer:** Town of Camp Verde

**Address:**

**City:**                      **State:**              **Zip:**

**Date:** 5/24/2024

**Project:** Sports Complex

**Location:** Camp Verde

**Engineer:**

**Phone:** 928-239-0361

**Person:** Troy

**P.O.#**

**Terms:** 50% Deposit/Balance on Delivery

### DESCRIPTION OF MATERIAL

| <u>ITEM</u>                      | <u>QTY</u> | <u>UNIT PRICE</u> | <u>TOTAL</u> |
|----------------------------------|------------|-------------------|--------------|
| 1) 72"I.D. x 24.0' Lift Station: | 1          | \$13,033.00       | \$13,033.00  |
| 2) Sales Tax:                    | 1          | \$1,024.80        | \$1,024.80   |

Includes: Base Section w/Floor, Cylinder Sections, Flat Top, 48"x48" Aluminum Hatch, Boot Connections  
for Pipes, Joint Sealant, Delivery and Stack in Place

Excludes: Anything Not Listed Above

**NOTES:** 1) Lead time is approximately 6 to 8 weeks.

2) 50% deposit required to place order.

**TOTAL = \$14,057.80**

**\*\*\*PLEASE SIGN QUOTE AND RETURN BY FAX TO PLACE ORDER\*\*\***

**THIS QUOTATION IS A PRICE ESTIMATE BASED ON THE CUSTOMER'S PROVIDED INFORMATION.**

**COMMENTS:** THIS QUOTATION DOES NOT INCLUDE SALES TAX

**THIS QUOTATION SUBJECT TO ACCEPTANCE BEFORE:** 30 DAYS

**NOTE:** Your signature affixed to this order will signify that you have read and agreed to the terms and conditions of sale.

**ACCEPTED:**

**YAVAPAI BLOCK CO.,INC. or YAVAPAI PRECAST**

By: \_\_\_\_\_

By: \_\_\_\_\_ 5/24/2024



# TOWN COUNCIL AGENDA INFORMATION MEMORANDUM

**MEETING DATE:** 8/21/2024**AGENDA ITEM TYPE:**

- |                                                          |                                                     |                                          |
|----------------------------------------------------------|-----------------------------------------------------|------------------------------------------|
| <input type="checkbox"/> Consent Agenda                  | <input type="checkbox"/> Informational Presentation | <input type="checkbox"/> Discussion Item |
| <input checked="" type="checkbox"/> Action/Decision Item | <input type="checkbox"/> Executive Session Request  | <input type="checkbox"/> Other:          |

**REQUESTING DEPARTMENT:** Public Works **STAFF RESOURCE:** Martin Smith, CIP Project Manager

**AGENDA TITLE:** Discussion, Consideration, and Possible Award of the Base Bid portion of Bid #102-23, 7<sup>th</sup> Street CDBG Sidewalk Improvement Project to McDonald Bros. Construction in the amount of \$315,759.55.

**ATTACHED DOCUMENTS:**

- Itemized bid schedules from McDonald Bros. Construction, Combs Construction, and Standard Construction.

**ESTIMATED PRESENTATION TIME:** 5 minutes **ESTIMATED DISCUSSION TIME:** 10 minutes**REVIEWED BY:**

- |                                                  |                                |                                          |                                  |                                 |
|--------------------------------------------------|--------------------------------|------------------------------------------|----------------------------------|---------------------------------|
| <input checked="" type="checkbox"/> Town Manager | <input type="checkbox"/> Legal | <input type="checkbox"/> Risk Management | <input type="checkbox"/> Finance | <input type="checkbox"/> Other: |
|--------------------------------------------------|--------------------------------|------------------------------------------|----------------------------------|---------------------------------|

**FINANCIAL REVIEW** (if applicable):

- Funding Source / GL Account Number: 09-480-20-804000 (CDBG funded, 0% match)
- Approved in the FY25 Budget? ☒ Yes ☐ No ☐ N/A ☐ Other:
- Is this an approved CIP Project? ☒ Yes ☐ No ☐ N/A ☐ Other:

**BACKGROUND INFORMATION:**

In 2023 the Town of Camp Verde was awarded \$406,016.00 in Community Development Block Grant (CDBG) funds to apply towards installing sidewalk improvements along 7<sup>th</sup> Street between Hollamon Street and General Crook Trail. This project would extend the existing sidewalk along the west side of 7<sup>th</sup> Street that currently ends at Hollamon Street. The State of Arizona Department of Housing Agreement No. 102-23 was approved by Town Council Resolution 2022-1085 on February 22, 2022.

On 8/02/2023 the Town Council, at the regular meeting, awarded a contract for the design portion of the project to Lyon Engineering for an amount not to exceed \$60,000. Following this award, they performed the necessary work to successfully complete the set of construction documents that would be necessary to build the project at a final cost of \$59,000.00.

Due to the regulations and requirements of the U.S. Department of Housing on CDBG funds, Staff contracted with NACOG to help facilitate the bidding process. NACOG would ensure that all the necessary DOH forms and verbiage were included in the bid documents so that the project would remain in compliance with federal requirements. NACOG charged \$2,250.00 for these services. On June 25, 2024, the project officially opened for contractor bids, and on July 23, 2024 the bid process closed. Staff received 3 bids.



## TOWN COUNCIL AGENDA INFORMATION MEMORANDUM

The overall project was broken into two segments. The base bid was to build the sidewalk from Hollamon Street to Head Street along the west side of 7<sup>th</sup> Street. Bid Alt 1 would complete the second phase of the project. At Head Street the sidewalk would cross 7<sup>th</sup> Street and extend south along the east side of 7<sup>th</sup> Street to General Crook Trail.

After reviewing the bids, it was determined that staff would only have enough funding to complete the base bid portion of the work. Of the \$406,016 originally awarded to the Town, Staff has spent \$61,250 to develop construction documents and bid assistance, leaving \$344,766.00 in CDBG funds available. McDonald Bros. Construction's base bid amount of \$315,759.55 will allow Staff to complete the first phase of construction within the budget with a small amount of contingency available should the project encounter unforeseen challenges.

### **CONNECTION TO THE FY25-FY30 STRATEGIC PLAN**

This project complies with the Community Infrastructure section described in the Strategic Plan.

### **QUESTION(S) BEFORE THE COUNCIL:**

- Does the Council have any questions regarding the project or processes used to manage the project to this point?

**PROPOSED MOTION:** Move to Award the Base Bid portion of Bid #102-23, 7<sup>th</sup> Street CDBG Sidewalk Improvement Project to McDonald Bros. Construction in the amount of \$315,759.55.



## **Bid Results**

BID #102-23

# **McDonald Bros. Construction**



Town of Camp Verde  
Public Works Division  
395 South Main Street  
Camp Verde, AZ 86322  
Tel: (928) 554-0820  
www.campverde.az.gov

### 7th Street CDBG Sidewalk Improvement Project - Itemized Bid Tab

**Base Bid** (All work from Sta: 24+51 to Sta: 31+37 west side of 7th Street)

| No. | Description                                                                                              | Unit | Quantity | Cost         | Total        |
|-----|----------------------------------------------------------------------------------------------------------|------|----------|--------------|--------------|
| G1  | Mobilization                                                                                             | LS   | 1        | \$ 29,572.16 | \$ 29,572.16 |
| G2  | Construction Survey                                                                                      | LS   | 1        | \$ 14,052.69 | \$ 14,052.69 |
| G3  | Traffic Control                                                                                          | LS   | 1        | \$ 13,751.05 | \$ 13,751.05 |
| G4  | Quality Control / Testing (*See notes below)                                                             | LS   | 1        | \$ 9,463.09  | \$ 9,463.09  |
| G5  | Erosion Control per approved plans                                                                       | LS   | 1        | \$ 5,753.56  | \$ 5,753.56  |
| G6  | Earthwork                                                                                                | CY   | 404      | \$ 53.20     | \$ 21,492.80 |
| D1  | Clear & grub existing vegetation                                                                         | LS   | 2        | \$ 2,093.71  | \$ 4,187.42  |
| D2  | Saw cut existing asphalt, sidewalk, or curb                                                              | LF   | 711      | \$ 4.44      | \$ 3,156.84  |
| D3  | Saw cut existing cmp culvert                                                                             | EA   | 0        |              | \$ -         |
| D4  | Remove existing asphalt pavement                                                                         | SY   | 199      | \$ 29.53     | \$ 5,876.47  |
| D5  | Remove existing drainage culvert                                                                         | LF   | 0        |              | \$ -         |
| D6  | Remove existing guardrail                                                                                | LF   | 0        |              | \$ -         |
| D7  | Remove existing headwall                                                                                 | LF   | 0        |              | \$ -         |
| D8  | Remove existing catch basin and grate                                                                    | EA   | 0        |              | \$ -         |
| D9  | Remove and salvage existing sign and post                                                                | EA   | 5        | \$ 128.93    | \$ 644.65    |
| D10 | Remove existing concrete driveway                                                                        | SF   | 501      | \$ 4.76      | \$ 2,384.76  |
| D11 | Remove and salvage existing mailboxes                                                                    | EA   | 4        | \$ 92.86     | \$ 371.44    |
| D12 | Obliterate existing striping                                                                             | LF   | 11       | \$ 59.24     | \$ 651.64    |
| D13 | Relocate existing irrigation box and valves                                                              | EA   | 1        | \$ 1,192.35  | \$ 1,192.35  |
| D14 | Relocate existing split rail fence                                                                       | LF   | 10       | \$ 248.88    | \$ 2,488.80  |
| D15 | Remove existing gas carsonite marker. Coordinate with UniSource for relocation of existing locate wires. | EA   | 1        | \$ 85.17     | \$ 85.17     |
| S1  | Install Type A curb & gutter per MAG Std. Det. 220-1.                                                    | LF   | 674      | \$ 52.84     | \$ 35,614.16 |
| S2  | Install Type C curb & gutter per MAG Std. Det. 220-1.                                                    | LF   | 0        |              | \$ -         |
| S3  | Install Type C curb & gutter per QCSD Std. Det. 220Q-2, 3' wide, 6" tall.                                | LF   | 0        |              | \$ -         |
| S4  | Install curb transition per QCSD Std. Det. 220Q-2                                                        | EA   | 0        |              | \$ -         |
| S5  | Install curb transition per MAG Std. Det. 221.                                                           | EA   | 0        |              | \$ -         |
| S6  | Install curb termination per MAG Std. Det. 222.                                                          | EA   | 2        | \$ 289.22    | \$ 578.44    |
| S7  | Install concrete sidewalk per MAG Std. Det. 230.                                                         | SF   | 2,510    | \$ 14.86     | \$ 37,298.60 |
| S8  | Install curb ramp per MAG Std. Det. 236-5                                                                | EA   | 1        | \$ 5,343.10  | \$ 5,343.10  |
| S9  | Install curb ramp per MAG Std. Det. 238-3                                                                | EA   | 1        | \$ 5,142.60  | \$ 5,142.60  |
| S10 | Install valley gutter per MAG Std. Det. 240                                                              | SF   | 0        |              | \$ -         |
| S11 | Install driveway per MAG Std. Det. 250-2                                                                 | SF   | 1,095    | \$ 25.69     | \$ 28,130.55 |
| S12 | Install 5" thick concrete driveway with wire mesh reinforcement                                          | SF   | 464      | \$ 31.58     | \$ 14,653.12 |
| S13 | Install retaining wall per ADOT Std. Det. SD 7.01                                                        | LF   | 0        |              | \$ -         |
| S14 | Install 8" thick ABC                                                                                     | SY   | 155      | \$ 75.30     | \$ 11,671.50 |
| S15 | Install bituminous tack coat                                                                             | LF   | 1,362    | \$ 1.06      | \$ 1,443.72  |
| S16 | Install 3" thick AC pavement                                                                             | SY   | 155      | \$ 74.70     | \$ 11,578.50 |
| S17 | Install guardrail per ADOT Std. Dets. C-10.01 & C-10.03                                                  | LF   | 0        |              | \$ -         |
| S18 | Install W-Beam guardrail end section and anchor per ADOT Std. Det. C-10.08                               | EA   | 0        |              | \$ -         |



Town of Camp Verde  
Public Works Division  
395 South Main Street  
Camp Verde, AZ 86322  
Tel: (928) 554-0820  
www.campverde.az.gov

|     |                                                                                                                      |    |     |                      |                      |
|-----|----------------------------------------------------------------------------------------------------------------------|----|-----|----------------------|----------------------|
| S19 | Adjust blow-off to finished grade                                                                                    | EA | 1   | \$ 1,020.24          | \$ 1,020.24          |
| S20 | Adjust sewer cleanout cover to finished grade per MAG Std. Det. 441                                                  | EA | 0   |                      | \$ -                 |
| S21 | Adjust water valve box to finished grade per MAG Std. Dets 391-1 & 391-2                                             | EA | 1   | \$ 798.45            | \$ 798.45            |
| S22 | Install mailbox per detail on Sheet D.01 of approved plans                                                           | EA | 4   | \$ 383.26            | \$ 1,533.04          |
| S23 | Install 18" CMP storm drain pipe                                                                                     | LF | 0   |                      | \$ -                 |
| S24 | Install Type D catch basin per MAD Std. Det. 533-1, 533-2, & 533-3                                                   | EA | 0   |                      | \$ -                 |
| S25 | Install concrete scupper per MAG Std. Dets. 206-1, 206-2, & 206-3                                                    | EA | 0   |                      | \$ -                 |
| S26 | Install D50=9" riprap                                                                                                | SY | 30  | \$ 106.22            | \$ 3,186.60          |
| S27 | Install D50=12" grouted riprap                                                                                       | SY | 40  | \$ 190.68            | \$ 7,627.20          |
| S28 | Install hydroseed                                                                                                    | SY | 0   |                      | \$ -                 |
| S29 | Install existing salvaged sign                                                                                       | EA | 4   | \$ 648.81            | \$ 2,595.24          |
| S30 | Install painted high visibility crosswalk per McDOT Striping Manual. Quantities are shown in 12" equivalent lengths. | LF | 349 | \$ 8.27              | \$ 2,886.23          |
| S31 | Install 18" wide white painted stop bar                                                                              | LF | 14  | \$ 59.14             | \$ 827.96            |
| S32 | Install MUTCD W11-2 Crosswalk Ahead sign and post                                                                    | EA | 0   |                      | \$ -                 |
| S33 | Install MUTCD R1-5A Yield To Pedestrians sign and post                                                               | EA | 0   |                      | \$ -                 |
|     |                                                                                                                      |    |     | Subtotal:            | \$ 287,054.14        |
|     |                                                                                                                      |    |     | 10% Owner Allowance: | \$ 28,705.41         |
|     |                                                                                                                      |    |     | <b>TOTAL:</b>        | <b>\$ 315,759.55</b> |

Note: All prices to include all applicable taxes, fees, overhead, profit, etc.

**Bid Alt 1** (All work from Sta: 10+75 to Sta: 24+73 east side of 7th Street)

| No. | Description                                                                                              | Unit | Quantity | Cost         | Total        |
|-----|----------------------------------------------------------------------------------------------------------|------|----------|--------------|--------------|
| G1  | Construction Survey                                                                                      | LS   | 1        | \$ 31,266.35 | \$ 31,266.35 |
| G2  | Traffic Control                                                                                          | LS   | 1        | \$ 26,172.13 | \$ 26,172.13 |
| G3  | Quality Control / Testing (*See notes below)                                                             | LS   | 1        | \$ 26,288.97 | \$ 26,288.97 |
| G4  | Erosion Control per approved plans                                                                       | LS   | 1        | \$ 5,313.29  | \$ 5,313.29  |
| D1  | Clear & grub existing vegetation                                                                         | LS   | 1        | \$ 10,340.33 | \$ 10,340.33 |
| D2  | Saw cut existing asphalt, sidewalk, or curb                                                              | LF   | 1,406    | \$ 3.59      | \$ 5,047.54  |
| D3  | Saw cut existing cmp culvert                                                                             | EA   | 1        | \$ 379.73    | \$ 379.73    |
| D4  | Remove existing asphalt pavement                                                                         | SY   | 501      | \$ 21.72     | \$ 10,881.72 |
| D5  | Remove existing drainage culvert                                                                         | LF   | 117      | \$ 34.75     | \$ 4,065.75  |
| D6  | Remove existing guardrail                                                                                | LF   | 104      | \$ 46.38     | \$ 4,823.52  |
| D7  | Remove existing headwall                                                                                 | LF   | 48       | \$ 120.93    | \$ 5,804.64  |
| D8  | Remove existing catch basin and grate                                                                    | EA   | 1        | \$ 3,592.83  | \$ 3,592.83  |
| D9  | Remove and salvage existing sign and post                                                                | EA   | 3        | \$ 127.36    | \$ 382.08    |
| D10 | Remove existing concrete driveway                                                                        | SF   | 0        |              | \$ -         |
| D11 | Remove and salvage existing mailboxes                                                                    | EA   | 1        | \$ 183.44    | \$ 183.44    |
| D12 | Obliterate existing striping                                                                             | LF   | 11       | \$ 15.93     | \$ 175.23    |
| D13 | Relocate existing irrigation box and valves                                                              | EA   | 0        |              | \$ -         |
| D14 | Relocate existing split rail fence                                                                       | LF   | 0        |              | \$ -         |
| D15 | Remove existing gas carsonite marker. Coordinate with UniSource for relocation of existing locate wires. | EA   | 0        |              | \$ -         |



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|     |                                                                                                                      |    |       |                      |                      |
|-----|----------------------------------------------------------------------------------------------------------------------|----|-------|----------------------|----------------------|
| S1  | Install Type A curb & gutter per MAG Std. Det. 220-1.                                                                | LF | 1,186 | \$ 50.47             | \$ 59,857.42         |
| S2  | Install Type C curb & gutter per MAG Std. Det. 220-1.                                                                | LF | 40    | \$ 50.53             | \$ 2,021.20          |
| S3  | Install Type C curb & gutter per QCSD Std. Det. 220Q-2, 3' wide, 6" tall.                                            | LF | 40    | \$ 56.38             | \$ 2,255.20          |
| S4  | Install curb transition per QCSD Std. Det. 220Q-2                                                                    | EA | 2     | \$ 658.98            | \$ 1,317.96          |
| S5  | Install curb transition per MAG Std. Det. 221.                                                                       | EA | 4     | \$ 600.56            | \$ 2,402.24          |
| S6  | Install curb termination per MAG Std. Det. 222.                                                                      | EA | 6     | \$ 285.67            | \$ 1,714.02          |
| S7  | Install concrete sidewalk per MAG Std. Det. 230.                                                                     | SF | 5,335 | \$ 11.71             | \$ 62,472.85         |
| S8  | Install curb ramp per MAG Std. Det. 236-5                                                                            | EA | 5     | \$ 5,079.61          | \$ 25,398.05         |
| S9  | Install curb ramp per MAG Std. Det. 238-3                                                                            | EA | 3     | \$ 4,904.35          | \$ 14,713.05         |
| S10 | Install valley gutter per MAG Std. Det. 240                                                                          | SF | 911   | \$ 27.03             | \$ 24,624.33         |
| S11 | Install driveway per MAG Std. Det. 250-2                                                                             | SF | 272   | \$ 26.72             | \$ 7,267.84          |
| S12 | Install 5" thick concrete driveway with wire mesh reinforcement                                                      | SF | 0     |                      | \$ -                 |
| S13 | Install retaining wall per ADOT Std. Det. SD 7.01                                                                    | LF | 80    | \$ 695.78            | \$ 55,662.40         |
| S14 | Install 8" thick ABC                                                                                                 | SY | 482   | \$ 67.10             | \$ 32,342.20         |
| S15 | Install bituminous tack coat                                                                                         | LF | 2,883 | \$ 0.94              | \$ 2,710.02          |
| S16 | Install 3" thick AC pavement                                                                                         | SY | 482   | \$ 71.18             | \$ 34,308.76         |
| S17 | Install guardrail per ADOT Std. Dets. C-10.01 & C-10.03                                                              | LF | 110   | \$ 79.66             | \$ 8,762.60          |
| S18 | Install W-Beam guardrail end section and anchor per ADOT Std. Det. C-10.08                                           | EA | 2     | \$ 10,223.49         | \$ 20,446.98         |
| S19 | Adjust blow-off to finished grade                                                                                    | EA | 0     |                      | \$ -                 |
| S20 | Adjust sewer cleanout cover to finished grade per MAG Std. Det. 441                                                  | EA | 3     | \$ 1,265.77          | \$ 3,797.31          |
| S21 | Adjust water valve box to finished grade per MAG Std. Dets 391-1 & 391-2                                             | EA | 0     |                      | \$ -                 |
| S22 | Install mailbox per detail on Sheet D.01 of approved plans                                                           | EA | 1     | \$ 525.78            | \$ 525.78            |
| S23 | Install 18" CMP storm drain pipe                                                                                     | LF | 88    | \$ 91.02             | \$ 8,009.76          |
| S24 | Install Type D catch basin per MAD Std. Det. 533-1, 533-2, & 533-3                                                   | EA | 1     | \$ 30,676.31         | \$ 30,676.31         |
| S25 | Install concrete scupper per MAG Std. Dets. 206-1, 206-2, & 206-3                                                    | EA | 1     | \$ 7,101.53          | \$ 7,101.53          |
| S26 | Install D50=9" riprap                                                                                                | SY | 100   | \$ 85.41             | \$ 8,541.00          |
| S27 | Install D50=12" grouted riprap                                                                                       | SY | 90    | \$ 120.63            | \$ 10,856.70         |
| S28 | Install hydroseed                                                                                                    | SY | 0     |                      | \$ -                 |
| S29 | Install existing salvaged sign                                                                                       | EA | 3     | \$ 631.71            | \$ 1,895.13          |
| S30 | Install painted high visibility crosswalk per McDOT Striping Manual. Quantities are shown in 12" equivalent lengths. | LF | 1,235 | \$ 2.22              | \$ 2,741.70          |
| S31 | Install 18" wide white painted stop bar                                                                              | LF | 40    | \$ 10.22             | \$ 408.80            |
| S32 | Install MUTCD W11-2 Crosswalk Ahead sign and post                                                                    | EA | 6     | \$ 1,054.48          | \$ 6,326.88          |
| S33 | Install MUTCD R1-5A Yield To Pedestrians sign and post                                                               | EA | 3     | \$ 1,073.76          | \$ 3,221.28          |
|     |                                                                                                                      |    |       | Subtotal:            | \$ 577,096.85        |
|     |                                                                                                                      |    |       | 10% Owner Allowance: | \$ 57,709.69         |
|     |                                                                                                                      |    |       | <b>TOTAL:</b>        | <b>\$ 634,806.54</b> |

Note: All prices to include all applicable taxes, fees, overhead, profit, etc.

**TOTAL PROJECT COST: \$ 950,566.09**



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Notes:

1. All costs provided shall include all applicable taxes, fees, overhead, profit, etc.
2. Materials testing requirements
  - Earthwork / Subgrade
    - 95% MDD compaction in roadway section and within 4' of paved shoulder
    - 90% MDD compaction beyond 4' of paved shoulder
  - Aggregate Base Course
    - 100% MDD at optimum moisture
  - Concrete
    - All concrete shall be 3000 psi. minimum or per approved plans and specifications
    - Testing every 50 CY or daily, whichever is greater
    - Testing to include temperature, slump, air entrainment, and (4) cylinders
  - Asphalt
    - 1 marshall and 1 gradation per day
    - Required compaction: 95% of marshall
    - Density technician must be present for entirety of paving operations

Signature of Company Official

7/23/2023

Date Signed

Vice President

Title

McDonald Bros Construction Inc.

Company Name

(928)300-8680

Phone Number

1535 S Quarterhorse Lane Camp Verde, AZ

Address

(928)567-6171

Fax Number

Camp Verde, AZ 86322

City/State/Zip

[Brian@McDonaldBrosAZ.com](mailto:Brian@McDonaldBrosAZ.com)

Email Address



## **Bid Results**

BID #102-23

# **Combs Construction Company**



## 7th Street CDBG Sidewalk Improvement Project - Itemized Bid Tab

**Base Bid** (All work from Sta: 24+51 to Sta: 31+37 west side of 7th Street)

| No. | Description                                                                                              | Unit | Quantity | Cost         | Total        |
|-----|----------------------------------------------------------------------------------------------------------|------|----------|--------------|--------------|
| G1  | Mobilization                                                                                             | LS   | 1        | \$ 28,000.00 | \$ 28,000.00 |
| G2  | Construction Survey                                                                                      | LS   | 1        | \$ 55,000.00 | \$ 55,000.00 |
| G3  | Traffic Control                                                                                          | LS   | 1        | \$ 60,500.00 | \$ 60,500.00 |
| G4  | Quality Control / Testing (*See notes below)                                                             | LS   | 1        | \$ 55,000.00 | \$ 55,000.00 |
| G5  | Erosion Control per approved plans                                                                       | LS   | 1        | \$ 30,000.00 | \$ 30,000.00 |
| G6  | Earthwork                                                                                                | CY   | 404      | \$ 85.00     | \$ 34,340.00 |
| D1  | Clear & grub existing vegetation                                                                         | LS   | 2        | \$ 5,000.00  | \$ 10,000.00 |
| D2  | Saw cut existing asphalt, sidewalk, or curb                                                              | LF   | 711      | \$ 7.50      | \$ 5,332.50  |
| D3  | Saw cut existing cmp culvert                                                                             | EA   | 0        | \$ -         | \$ -         |
| D4  | Remove existing asphalt pavement                                                                         | SY   | 199      | \$ 40.00     | \$ 7,960.00  |
| D5  | Remove existing drainage culvert                                                                         | LF   | 0        | \$ -         | \$ -         |
| D6  | Remove existing guardrail                                                                                | LF   | 0        | \$ -         | \$ -         |
| D7  | Remove existing headwall                                                                                 | LF   | 0        | \$ -         | \$ -         |
| D8  | Remove existing catch basin and grate                                                                    | EA   | 0        | \$ -         | \$ -         |
| D9  | Remove and salvage existing sign and post                                                                | EA   | 5        | \$ 300.00    | \$ 1,500.00  |
| D10 | Remove existing concrete driveway                                                                        | SF   | 501      | \$ 7.00      | \$ 3,507.00  |
| D11 | Remove and salvage existing mailboxes                                                                    | EA   | 4        | \$ 250.00    | \$ 1,000.00  |
| D12 | Obliterate existing striping                                                                             | LF   | 11       | \$ 3.50      | \$ 38.50     |
| D13 | Relocate existing irrigation box and valves                                                              | EA   | 1        | \$ 1,200.00  | \$ 1,200.00  |
| D14 | Relocate existing split rail fence                                                                       | LF   | 10       | \$ 55.00     | \$ 550.00    |
| D15 | Remove existing gas carsonite marker. Coordinate with UniSource for relocation of existing locate wires. | EA   | 1        | \$ 1,200.00  | \$ 1,200.00  |
| S1  | Install Type A curb & gutter per MAG Std. Det. 220-1.                                                    | LF   | 674      | \$ 55.00     | \$ 37,070.00 |
| S2  | Install Type C curb & gutter per MAG Std. Det. 220-1.                                                    | LF   | 0        | \$ -         | \$ -         |
| S3  | Install Type C curb & gutter per QCSD Std. Det. 220Q-2, 3' wide, 6" tall.                                | LF   | 0        | \$ -         | \$ -         |
| S4  | Install curb transition per QCSD Std. Det. 220Q-2                                                        | EA   | 0        | \$ -         | \$ -         |
| S5  | Install curb transition per MAG Std. Det. 221.                                                           | EA   | 0        | \$ -         | \$ -         |
| S6  | Install curb termination per MAG Std. Det. 222.                                                          | EA   | 2        | \$ 85.00     | \$ 170.00    |
| S7  | Install concrete sidewalk per MAG Std. Det. 230.                                                         | SF   | 2,510    | \$ 12.50     | \$ 31,375.00 |
| S8  | Install curb ramp per MAG Std. Det. 236-5                                                                | EA   | 1        | \$ 5,500.00  | \$ 5,500.00  |
| S9  | Install curb ramp per MAG Std. Det. 238-3                                                                | EA   | 1        | \$ 5,500.00  | \$ 5,500.00  |
| S10 | Install valley gutter per MAG Std. Det. 240                                                              | SF   | 0        | \$ -         | \$ -         |
| S11 | Install driveway per MAG Std. Det. 250-2                                                                 | SF   | 1,095    | \$ 24.00     | \$ 26,280.00 |
| S12 | Install 5" thick concrete driveway with wire mesh reinforcement                                          | SF   | 464      | \$ 26.00     | \$ 12,064.00 |
| S13 | Install retaining wall per ADOT Std. Det. SD 7.01                                                        | LF   | 0        | \$ -         | \$ -         |
| S14 | Install 8" thick ABC                                                                                     | SY   | 155      | \$ 60.00     | \$ 9,300.00  |
| S15 | Install bituminous tack coat                                                                             | LF   | 1,362    | \$ 0.80      | \$ 1,089.60  |
| S16 | Install 3" thick AC pavement                                                                             | SY   | 155      | \$ 100.00    | \$ 15,500.00 |
| S17 | Install guardrail per ADOT Std. Dets. C-10.01 & C-10.03                                                  | LF   | 0        | \$ -         | \$ -         |
| S18 | Install W-Beam guardrail end section and anchor per ADOT Std. Det. C-10.08                               | EA   | 0        | \$ -         | \$ -         |



|                      |                                                                                                                      |    |     |             |                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------|----|-----|-------------|----------------------|
| S19                  | Adjust blow-off to finished grade                                                                                    | EA | 1   | \$ 1,200.00 | \$ 1,200.00          |
| S20                  | Adjust sewer cleanout cover to finished grade per MAG Std. Det. 441                                                  | EA | 0   | \$ -        | \$ -                 |
| S21                  | Adjust water valve box to finished grade per MAG Std. Dets 391-1 & 391-2                                             | EA | 1   | \$ 850.00   | \$ 850.00            |
| S22                  | Install mailbox per detail on Sheet D.01 of approved plans                                                           | EA | 4   | \$ 950.00   | \$ 3,800.00          |
| S23                  | Install 18" CMP storm drain pipe                                                                                     | LF | 0   | \$ -        | \$ -                 |
| S24                  | Install Type D catch basin per MAD Std. Det. 533-1, 533-2, & 533-3                                                   | EA | 0   | \$ -        | \$ -                 |
| S25                  | Install concrete scupper per MAG Std. Dets. 206-1, 206-2, & 206-3                                                    | EA | 0   | \$ -        | \$ -                 |
| S26                  | Install D50=9" riprap                                                                                                | SY | 30  | \$ 200.00   | \$ 6,000.00          |
| S27                  | Install D50=12" grouted riprap                                                                                       | SY | 40  | \$ 285.00   | \$ 11,400.00         |
| S28                  | Install hydroseed                                                                                                    | SY | 0   | \$ -        | \$ -                 |
| S29                  | Install existing salvaged sign                                                                                       | EA | 4   | \$ 650.00   | \$ 2,600.00          |
| S30                  | Install painted high visibility crosswalk per McDOT Striping Manual. Quantities are shown in 12" equivalent lengths. | LF | 349 | \$ 1.40     | \$ 488.60            |
| S31                  | Install 18" wide white painted stop bar                                                                              | LF | 14  | \$ 2.85     | \$ 39.90             |
| S32                  | Install MUTCD W11-2 Crosswalk Ahead sign and post                                                                    | EA | 0   | \$ -        | \$ -                 |
| S33                  | Install MUTCD R1-5A Yield To Pedestrians sign and post                                                               | EA | 0   | \$ -        | \$ -                 |
| Subtotal:            |                                                                                                                      |    |     |             | \$ 465,355.10        |
| 10% Owner Allowance: |                                                                                                                      |    |     |             | \$ 46,535.51         |
| <b>TOTAL:</b>        |                                                                                                                      |    |     |             | <b>\$ 511,890.61</b> |

Note: All prices to include all applicable taxes, fees, overhead, profit, etc.

**Bid Alt 1** (All work from Sta: 10+75 to Sta: 24+73 east side of 7th Street)

| No. | Description                                                                                              | Unit | Quantity | Cost         | Total        |
|-----|----------------------------------------------------------------------------------------------------------|------|----------|--------------|--------------|
| G1  | Construction Survey                                                                                      | LS   | 1        | \$ 65,000.00 | \$ 65,000.00 |
| G2  | Traffic Control                                                                                          | LS   | 1        | \$ 76,000.00 | \$ 76,000.00 |
| G3  | Quality Control / Testing (*See notes below)                                                             | LS   | 1        | \$ 70,000.00 | \$ 70,000.00 |
| G4  | Erosion Control per approved plans                                                                       | LS   | 1        | \$ 20,000.00 | \$ 20,000.00 |
| D1  | Clear & grub existing vegetation                                                                         | LS   | 1        | \$ 10,000.00 | \$ 10,000.00 |
| D2  | Saw cut existing asphalt, sidewalk, or curb                                                              | LF   | 1,406    | \$ 4.00      | \$ 5,624.00  |
| D3  | Saw cut existing cmp culvert                                                                             | EA   | 1        | \$ 250.00    | \$ 250.00    |
| D4  | Remove existing asphalt pavement                                                                         | SY   | 501      | \$ 40.00     | \$ 20,040.00 |
| D5  | Remove existing drainage culvert                                                                         | LF   | 117      | \$ 60.00     | \$ 7,020.00  |
| D6  | Remove existing guardrail                                                                                | LF   | 104      | \$ 12.00     | \$ 1,248.00  |
| D7  | Remove existing headwall                                                                                 | LF   | 48       | \$ 165.00    | \$ 7,920.00  |
| D8  | Remove existing catch basin and grate                                                                    | EA   | 1        | \$ 3,500.00  | \$ 3,500.00  |
| D9  | Remove and salvage existing sign and post                                                                | EA   | 3        | \$ 300.00    | \$ 900.00    |
| D10 | Remove existing concrete driveway                                                                        | SF   | 0        | \$ -         | \$ -         |
| D11 | Remove and salvage existing mailboxes                                                                    | EA   | 1        | \$ 250.00    | \$ 250.00    |
| D12 | Obliterate existing striping                                                                             | LF   | 11       | \$ 3.50      | \$ 38.50     |
| D13 | Relocate existing irrigation box and valves                                                              | EA   | 0        | \$ -         | \$ -         |
| D14 | Relocate existing split rail fence                                                                       | LF   | 0        | \$ -         | \$ -         |
| D15 | Remove existing gas carsonite marker. Coordinate with UniSource for relocation of existing locate wires. | EA   | 0        | \$ -         | \$ -         |



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|     |                                                                                                                      |    |       |                      |                      |
|-----|----------------------------------------------------------------------------------------------------------------------|----|-------|----------------------|----------------------|
| S1  | Install Type A curb & gutter per MAG Std. Det. 220-1.                                                                | LF | 1,186 | \$ 55.00             | \$ 65,230.00         |
| S2  | Install Type C curb & gutter per MAG Std. Det. 220-1.                                                                | LF | 40    | \$ 70.00             | \$ 2,800.00          |
| S3  | Install Type C curb & gutter per QCSD Std. Det. 220Q-2, 3' wide, 6" tall.                                            | LF | 40    | \$ 75.00             | \$ 3,000.00          |
| S4  | Install curb transition per QCSD Std. Det. 220Q-2                                                                    | EA | 2     | \$ 250.00            | \$ 500.00            |
| S5  | Install curb transition per MAG Std. Det. 221.                                                                       | EA | 4     | \$ 200.00            | \$ 800.00            |
| S6  | Install curb termination per MAG Std. Det. 222.                                                                      | EA | 6     | \$ 85.00             | \$ 510.00            |
| S7  | Install concrete sidewalk per MAG Std. Det. 230.                                                                     | SF | 5,335 | \$ 11.00             | \$ 58,685.00         |
| S8  | Install curb ramp per MAG Std. Det. 236-5                                                                            | EA | 5     | \$ 5,500.00          | \$ 27,500.00         |
| S9  | Install curb ramp per MAG Std. Det. 238-3                                                                            | EA | 3     | \$ 5,500.00          | \$ 16,500.00         |
| S10 | Install valley gutter per MAG Std. Det. 240                                                                          | SF | 911   | \$ 26.00             | \$ 23,686.00         |
| S11 | Install driveway per MAG Std. Det. 250-2                                                                             | SF | 272   | \$ 26.00             | \$ 7,072.00          |
| S12 | Install 5" thick concrete driveway with wire mesh reinforcement                                                      | SF | 0     | \$ -                 | \$ -                 |
| S13 | Install retaining wall per ADOT Std. Det. SD 7.01                                                                    | LF | 80    | \$ 825.00            | \$ 66,000.00         |
| S14 | Install 8" thick ABC                                                                                                 | SY | 482   | \$ 50.00             | \$ 24,100.00         |
| S15 | Install bituminous tack coat                                                                                         | LF | 2,883 | \$ 0.65              | \$ 1,873.95          |
| S16 | Install 3" thick AC pavement                                                                                         | SY | 482   | \$ 37.00             | \$ 17,834.00         |
| S17 | Install guardrail per ADOT Std. Dets. C-10.01 & C-10.03                                                              | LF | 110   | \$ 58.00             | \$ 6,380.00          |
| S18 | Install W-Beam guardrail end section and anchor per ADOT Std. Det. C-10.08                                           | EA | 2     | \$ 2,900.00          | \$ 5,800.00          |
| S19 | Adjust blow-off to finished grade                                                                                    | EA | 0     | \$ -                 | \$ -                 |
| S20 | Adjust sewer cleanout cover to finished grade per MAG Std. Det. 441                                                  | EA | 3     | \$ 850.00            | \$ 2,550.00          |
| S21 | Adjust water valve box to finished grade per MAG Std. Dets 391-1 & 391-2                                             | EA | 0     | \$ -                 | \$ -                 |
| S22 | Install mailbox per detail on Sheet D.01 of approved plans                                                           | EA | 1     | \$ 1,650.00          | \$ 1,650.00          |
| S23 | Install 18" CMP storm drain pipe                                                                                     | LF | 88    | \$ 145.00            | \$ 12,760.00         |
| S24 | Install Type D catch basin per MAD Std. Det. 533-1, 533-2, & 533-3                                                   | EA | 1     | \$ 28,000.00         | \$ 28,000.00         |
| S25 | Install concrete scupper per MAG Std. Dets. 206-1, 206-2, & 206-3                                                    | EA | 1     | \$ 8,500.00          | \$ 8,500.00          |
| S26 | Install D50=9" riprap                                                                                                | SY | 100   | \$ 125.00            | \$ 12,500.00         |
| S27 | Install D50=12" grouted riprap                                                                                       | SY | 90    | \$ 250.00            | \$ 22,500.00         |
| S28 | Install hydroseed                                                                                                    | SY | 0     | \$ -                 | \$ -                 |
| S29 | Install existing salvaged sign                                                                                       | EA | 3     | \$ 650.00            | \$ 1,950.00          |
| S30 | Install painted high visibility crosswalk per McDOT Striping Manual. Quantities are shown in 12" equivalent lengths. | LF | 1,235 | \$ 1.40              | \$ 1,729.00          |
| S31 | Install 18" wide white painted stop bar                                                                              | LF | 40    | \$ 2.85              | \$ 114.00            |
| S32 | Install MUTCD W11-2 Crosswalk Ahead sign and post                                                                    | EA | 6     | \$ 700.00            | \$ 4,200.00          |
| S33 | Install MUTCD R1-5A Yield To Pedestrians sign and post                                                               | EA | 3     | \$ 700.00            | \$ 2,100.00          |
|     |                                                                                                                      |    |       | Subtotal:            | \$ 714,614.45        |
|     |                                                                                                                      |    |       | 10% Owner Allowance: | \$ 71,461.45         |
|     |                                                                                                                      |    |       | <b>TOTAL:</b>        | <b>\$ 786,075.90</b> |

*Note: All prices to include all applicable taxes, fees, overhead, profit, etc.*

**TOTAL PROJECT COST: \$ 1,297,966.51**



Town of Camp Verde  
Public Works Division  
395 South Main Street  
Camp Verde, AZ 86322  
Tel: (928) 554-0820  
[www.campverde.az.gov](http://www.campverde.az.gov)

Notes:

1. All costs provided shall include all applicable taxes, fees, overhead, profit, etc.
2. Materials testing requirements
  - Earthwork / Subgrade
    - 95% MDD compaction in roadway section and within 4' of paved shoulder
    - 90% MDD compaction beyond 4' of paved shoulder
  - Aggregate Base Course
    - 100% MDD at optimum moisture
  - Concrete
    - All concrete shall be 3000 psi. minimum or per approved plans and specifications
    - Testing every 50 CY or daily, whichever is greater
    - Testing to include temperature, slump, air entrainment, and (4) cylinders
  - Asphalt
    - 1 marshall and 1 gradation per day
    - Required compaction: 95% of marshall
    - Density technician must be present for entirety of paving operations

Signature of Company Official

7/23/2024

Date Signed

SECRETARY / TREASURER

Title

COMBS CONSTRUCTION COMPANY, INC

Company Name

002-237-4029

Phone Number

PO BOX 10789

Address

002-237-4182

Fax Number

GLENDALE AZ 85318

City/State/Zip

0224@combsaz.com

Email Address



## **Bid Results**

BID #102-23

# **Standard Construction Company**



Town of Camp Verde  
Public Works Division  
395 South Main Street  
Camp Verde, AZ 86322  
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### 7th Street CDBG Sidewalk Improvement Project - Itemized Bid Tab

**Base Bid** (All work from Sta: 24+51 to Sta: 31+37 west side of 7th Street)

| No. | Description                                                                                              | Unit | Quantity | Cost         | Total         |
|-----|----------------------------------------------------------------------------------------------------------|------|----------|--------------|---------------|
| G1  | Mobilization                                                                                             | LS   | 1        | \$ 60,000.00 | \$ 60,000.00  |
| G2  | Construction Survey                                                                                      | LS   | 1        | \$ 20,000.00 | \$ 20,000.00  |
| G3  | Traffic Control                                                                                          | LS   | 1        | \$ 44,000.00 | \$ 44,000.00  |
| G4  | Quality Control / Testing (*See notes below)                                                             | LS   | 1        | \$ 15,000.00 | \$ 15,000.00  |
| G5  | Erosion Control per approved plans                                                                       | LS   | 1        | \$ 8,650.00  | \$ 8,650.00   |
| G6  | Earthwork                                                                                                | CY   | 404      | \$ 250.00    | \$ 101,000.00 |
| D1  | Clear & grub existing vegetation                                                                         | LS   | 2        | \$ 25,000.00 | \$ 50,000.00  |
| D2  | Saw cut existing asphalt, sidewalk, or curb                                                              | LF   | 711      | \$ 8.00      | \$ 5,688.00   |
| D3  | Saw cut existing cmp culvert                                                                             | EA   | 0        | \$ -         | \$ -          |
| D4  | Remove existing asphalt pavement                                                                         | SY   | 199      | \$ 185.00    | \$ 36,815.00  |
| D5  | Remove existing drainage culvert                                                                         | LF   | 0        |              | \$ -          |
| D6  | Remove existing guardrail                                                                                | LF   | 0        |              | \$ -          |
| D7  | Remove existing headwall                                                                                 | LF   | 0        |              | \$ -          |
| D8  | Remove existing catch basin and grate                                                                    | EA   | 0        |              | \$ -          |
| D9  | Remove and salvage existing sign and post                                                                | EA   | 5        | \$ 250.00    | \$ 1,250.00   |
| D10 | Remove existing concrete driveway                                                                        | SF   | 501      | \$ 12.50     | \$ 6,262.50   |
| D11 | Remove and salvage existing mailboxes                                                                    | EA   | 4        | \$ 950.00    | \$ 3,800.00   |
| D12 | Obliterate existing striping                                                                             | LF   | 11       | \$ 20.00     | \$ 220.00     |
| D13 | Relocate existing irrigation box and valves                                                              | EA   | 1        | \$ 2,370.00  | \$ 2,370.00   |
| D14 | Relocate existing split rail fence                                                                       | LF   | 10       | \$ 295.00    | \$ 2,950.00   |
| D15 | Remove existing gas carsonite marker. Coordinate with UniSource for relocation of existing locate wires. | EA   | 1        | \$ 3,200.00  | \$ 3,200.00   |
| S1  | Install Type A curb & gutter per MAG Std. Det. 220-1.                                                    | LF   | 674      | \$ 65.00     | \$ 43,810.00  |
| S2  | Install Type C curb & gutter per MAG Std. Det. 220-1.                                                    | LF   | 0        |              | \$ -          |
| S3  | Install Type C curb & gutter per QCSD Std. Det. 220Q-2, 3' wide, 6" tall.                                | LF   | 0        |              | \$ -          |
| S4  | Install curb transition per QCSD Std. Det. 220Q-2                                                        | EA   | 0        |              | \$ -          |
| S5  | Install curb transition per MAG Std. Det. 221.                                                           | EA   | 0        |              | \$ -          |
| S6  | Install curb termination per MAG Std. Det. 222.                                                          | EA   | 2        | \$ 2,000.00  | \$ 4,000.00   |
| S7  | Install concrete sidewalk per MAG Std. Det. 230.                                                         | SF   | 2,510    | \$ 18.00     | \$ 45,180.00  |
| S8  | Install curb ramp per MAG Std. Det. 236-5                                                                | EA   | 1        | \$ 8,500.00  | \$ 8,500.00   |
| S9  | Install curb ramp per MAG Std. Det. 238-3                                                                | EA   | 1        | \$ 8,000.00  | \$ 8,000.00   |
| S10 | Install valley gutter per MAG Std. Det. 240                                                              | SF   | 0        |              | \$ -          |
| S11 | Install driveway per MAG Std. Det. 250-2                                                                 | SF   | 1,095    | \$ 35.00     | \$ 38,325.00  |
| S12 | Install 5" thick concrete driveway with wire mesh reinforcement                                          | SF   | 464      | \$ 30.00     | \$ 13,920.00  |
| S13 | Install retaining wall per ADOT Std. Det. SD 7.01                                                        | LF   | 0        |              | \$ -          |
| S14 | Install 8" thick ABC                                                                                     | SY   | 155      | \$ 150.00    | \$ 23,250.00  |
| S15 | Install bituminous tack coat                                                                             | LF   | 1,362    | \$ 0.50      | \$ 681.00     |
| S16 | Install 3" thick AC pavement                                                                             | SY   | 155      | \$ 110.00    | \$ 17,050.00  |
| S17 | Install guardrail per ADOT Std. Dets. C-10.01 & C-10.03                                                  | LF   | 0        |              | \$ -          |
| S18 | Install W-Beam guardrail end section and anchor per ADOT Std. Det. C-10.08                               | EA   | 0        |              | \$ -          |



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|                      |                                                                                                                      |    |     |             |                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------|----|-----|-------------|----------------------|
| S19                  | Adjust blow-off to finished grade                                                                                    | EA | 1   | \$ 2,000.00 | \$ 2,000.00          |
| S20                  | Adjust sewer cleanout cover to finished grade per MAG Std. Det. 441                                                  | EA | 0   |             | \$ -                 |
| S21                  | Adjust water valve box to finished grade per MAG Std. Dets 391-1 & 391-2                                             | EA | 1   | \$ 2,200.00 | \$ 2,200.00          |
| S22                  | Install mailbox per detail on Sheet D.01 of approved plans                                                           | EA | 4   | \$ 1,100.00 | \$ 4,400.00          |
| S23                  | Install 18" CMP storm drain pipe                                                                                     | LF | 0   |             | \$ -                 |
| S24                  | Install Type D catch basin per MAD Std. Det. 533-1, 533-2, & 533-3                                                   | EA | 0   |             | \$ -                 |
| S25                  | Install concrete scupper per MAG Std. Dets. 206-1, 206-2, & 206-3                                                    | EA | 0   |             | \$ -                 |
| S26                  | Install D50=9" riprap                                                                                                | SY | 30  | \$ 450.00   | \$ 13,500.00         |
| S27                  | Install D50=12" grouted riprap                                                                                       | SY | 40  | \$ 550.00   | \$ 22,000.00         |
| S28                  | Install hydroseed                                                                                                    | SY | 0   |             | \$ -                 |
| S29                  | Install existing salvaged sign                                                                                       | EA | 4   | \$ 525.00   | \$ 2,100.00          |
| S30                  | Install painted high visibility crosswalk per McDOT Striping Manual. Quantities are shown in 12" equivalent lengths. | LF | 349 | \$ 2.50     | \$ 872.50            |
| S31                  | Install 18" wide white painted stop bar                                                                              | LF | 14  | \$ 4.00     | \$ 56.00             |
| S32                  | Install MUTCD W11-2 Crosswalk Ahead sign and post                                                                    | EA | 0   |             | \$ -                 |
| S33                  | Install MUTCD R1-5A Yield To Pedestrians sign and post                                                               | EA | 0   |             | \$ -                 |
| Subtotal:            |                                                                                                                      |    |     |             | \$ 611,050.00        |
| 10% Owner Allowance: |                                                                                                                      |    |     |             | \$ 61,105.00         |
| <b>TOTAL:</b>        |                                                                                                                      |    |     |             | <b>\$ 672,155.00</b> |

Note: All prices to include all applicable taxes, fees, overhead, profit, etc.

**Bid Alt 1** (All work from Sta: 10+75 to Sta: 24+73 east side of 7th Street)

| No. | Description                                                                                              | Unit | Quantity | Cost         | Total        |
|-----|----------------------------------------------------------------------------------------------------------|------|----------|--------------|--------------|
| G1  | Construction Survey                                                                                      | LS   | 1        | \$ 35,000.00 | \$ 35,000.00 |
| G2  | Traffic Control                                                                                          | LS   | 1        | \$ 45,000.00 | \$ 45,000.00 |
| G3  | Quality Control / Testing (*See notes below)                                                             | LS   | 1        | \$ 22,000.00 | \$ 22,000.00 |
| G4  | Erosion Control per approved plans                                                                       | LS   | 1        | \$ 7,500.00  | \$ 7,500.00  |
| D1  | Clear & grub existing vegetation                                                                         | LS   | 1        | \$ 41,500.00 | \$ 41,500.00 |
| D2  | Saw cut existing asphalt, sidewalk, or curb                                                              | LF   | 1,406    | \$ 8.00      | \$ 11,248.00 |
| D3  | Saw cut existing cmp culvert                                                                             | EA   | 1        | \$ 535.00    | \$ 535.00    |
| D4  | Remove existing asphalt pavement                                                                         | SY   | 501      | \$ 100.00    | \$ 50,100.00 |
| D5  | Remove existing drainage culvert                                                                         | LF   | 117      | \$ 250.00    | \$ 29,250.00 |
| D6  | Remove existing guardrail                                                                                | LF   | 104      | \$ 70.00     | \$ 7,280.00  |
| D7  | Remove existing headwall                                                                                 | LF   | 48       | \$ 215.00    | \$ 10,320.00 |
| D8  | Remove existing catch basin and grate                                                                    | EA   | 1        | \$ 7,000.00  | \$ 7,000.00  |
| D9  | Remove and salvage existing sign and post                                                                | EA   | 3        | \$ 225.00    | \$ 675.00    |
| D10 | Remove existing concrete driveway                                                                        | SF   | 0        |              | \$ -         |
| D11 | Remove and salvage existing mailboxes                                                                    | EA   | 1        | \$ 2,000.00  | \$ 2,000.00  |
| D12 | Obliterate existing striping                                                                             | LF   | 11       | \$ 15.00     | \$ 165.00    |
| D13 | Relocate existing irrigation box and valves                                                              | EA   | 0        |              | \$ -         |
| D14 | Relocate existing split rail fence                                                                       | LF   | 0        |              | \$ -         |
| D15 | Remove existing gas carsonite marker. Coordinate with UniSource for relocation of existing locate wires. | EA   | 0        |              | \$ -         |



# Town of Camp Verde

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|     |                                                                                                                      |    |       |                      |                        |
|-----|----------------------------------------------------------------------------------------------------------------------|----|-------|----------------------|------------------------|
| S1  | Install Type A curb & gutter per MAG Std. Det. 220-1.                                                                | LF | 1,186 | \$ 135.00            | \$ 160,110.00          |
| S2  | Install Type C curb & gutter per MAG Std. Det. 220-1.                                                                | LF | 40    | \$ 65.00             | \$ 2,600.00            |
| S3  | Install Type C curb & gutter per QCSD Std. Det. 220Q-2, 3' wide, 6" tall.                                            | LF | 40    | \$ 170.00            | \$ 6,800.00            |
| S4  | Install curb transition per QCSD Std. Det. 220Q-2                                                                    | EA | 2     | \$ 1,500.00          | \$ 3,000.00            |
| S5  | Install curb transition per MAG Std. Det. 221.                                                                       | EA | 4     | \$ 1,600.00          | \$ 6,400.00            |
| S6  | Install curb termination per MAG Std. Det. 222.                                                                      | EA | 6     | \$ 1,750.00          | \$ 10,500.00           |
| S7  | Install concrete sidewalk per MAG Std. Det. 230.                                                                     | SF | 5,335 | \$ 20.00             | \$ 106,700.00          |
| S8  | Install curb ramp per MAG Std. Det. 236-5                                                                            | EA | 5     | \$ 11,500.00         | \$ 57,500.00           |
| S9  | Install curb ramp per MAG Std. Det. 238-3                                                                            | EA | 3     | \$ 7,500.00          | \$ 22,500.00           |
| S10 | Install valley gutter per MAG Std. Det. 240                                                                          | SF | 911   | \$ 30.00             | \$ 27,330.00           |
| S11 | Install driveway per MAG Std. Det. 250-2                                                                             | SF | 272   | \$ 35.00             | \$ 9,520.00            |
| S12 | Install 5" thick concrete driveway with wire mesh reinforcement                                                      | SF | 0     | \$ -                 | \$ -                   |
| S13 | Install retaining wall per ADOT Std. Det. SD 7.01                                                                    | LF | 80    | \$ 2,500.00          | \$ 200,000.00          |
| S14 | Install 8" thick ABC                                                                                                 | SY | 482   | \$ 80.00             | \$ 38,560.00           |
| S15 | Install bituminous tack coat                                                                                         | LF | 2,883 | \$ 1.00              | \$ 2,883.00            |
| S16 | Install 3" thick AC pavement                                                                                         | SY | 482   | \$ 85.00             | \$ 40,970.00           |
| S17 | Install guardrail per ADOT Std. Dets. C-10.01 & C-10.03                                                              | LF | 110   | \$ 115.00            | \$ 12,650.00           |
| S18 | Install W-Beam guardrail end section and anchor per ADOT Std. Det. C-10.08                                           | EA | 2     | \$ 3,000.00          | \$ 6,000.00            |
| S19 | Adjust blow-off to finished grade                                                                                    | EA | 0     |                      | \$ -                   |
| S20 | Adjust sewer cleanout cover to finished grade per MAG Std. Det. 441                                                  | EA | 3     | \$ 1,125.00          | \$ 3,375.00            |
| S21 | Adjust water valve box to finished grade per MAG Std. Dets 391-1 & 391-2                                             | EA | 0     | \$ -                 | \$ -                   |
| S22 | Install mailbox per detail on Sheet D.01 of approved plans                                                           | EA | 1     | \$ 1,700.00          | \$ 1,700.00            |
| S23 | Install 18" CMP storm drain pipe                                                                                     | LF | 88    | \$ 475.00            | \$ 41,800.00           |
| S24 | Install Type D catch basin per MAD Std. Det. 533-1, 533-2, & 533-3                                                   | EA | 1     | \$ 4,305.00          | \$ 4,305.00            |
| S25 | Install concrete scupper per MAG Std. Dets. 206-1, 206-2, & 206-3                                                    | EA | 1     | \$ 5,200.00          | \$ 5,200.00            |
| S26 | Install D50=9" riprap                                                                                                | SY | 100   | \$ 375.00            | \$ 37,500.00           |
| S27 | Install D50=12" grouted riprap                                                                                       | SY | 90    | \$ 225.00            | \$ 20,250.00           |
| S28 | Install hydroseed                                                                                                    | SY | 0     |                      | \$ -                   |
| S29 | Install existing salvaged sign                                                                                       | EA | 3     | \$ 375.00            | \$ 1,125.00            |
| S30 | Install painted high visibility crosswalk per McDOT Striping Manual. Quantities are shown in 12" equivalent lengths. | LF | 1,235 | \$ 5.00              | \$ 6,175.00            |
| S31 | Install 18" wide white painted stop bar                                                                              | LF | 40    | \$ 5.00              | \$ 200.00              |
| S32 | Install MUTCD W11-2 Crosswalk Ahead sign and post                                                                    | EA | 6     | \$ 250.00            | \$ 1,500.00            |
| S33 | Install MUTCD R1-5A Yield To Pedestrians sign and post                                                               | EA | 3     | \$ 250.00            | \$ 750.00              |
|     |                                                                                                                      |    |       | Subtotal:            | \$ 1,107,476.00        |
|     |                                                                                                                      |    |       | 10% Owner Allowance: | \$ 110,747.60          |
|     |                                                                                                                      |    |       | <b>TOTAL:</b>        | <b>\$ 1,218,223.60</b> |

Note: All prices to include all applicable taxes, fees, overhead, profit, etc.

**TOTAL PROJECT COST: \$ 1,890,378.60**



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Notes:

1. All costs provided shall include all applicable taxes, fees, overhead, profit, etc.
2. Materials testing requirements
  - Earthwork / Subgrade
    - 95% MDD compaction in roadway section and within 4' of paved shoulder
    - 90% MDD compaction beyond 4' of paved shoulder
  - Aggregate Base Course
    - 100% MDD at optimum moisture
  - Concrete
    - All concrete shall be 3000 psi. minimum or per approved plans and specifications
    - Testing every 50 CY or daily, whichever is greater
    - Testing to include temperature, slump, air entrainment, and (4) cylinders
  - Asphalt
    - 1 marshall and 1 gradation per day
    - Required compaction: 95% of marshall
    - Density technician must be present for entirety of paving operations

Signature of Company Official

President

Title

Standard Construction Company, Inc.

Company Name

810 E. Western Avenue

Address

Avondale, AZ 85323

City/State/Zip

7/23/2024

Date Signed

623-583-9500

Phone Number

None

Fax Number

[dsutton@standardaz.com](mailto:dsutton@standardaz.com)

Email Address





# TOWN COUNCIL AGENDA INFORMATION MEMORANDUM

**MEETING DATE:** 8/21/2024**AGENDA ITEM TYPE:**

- |                                                          |                                                     |                                          |
|----------------------------------------------------------|-----------------------------------------------------|------------------------------------------|
| <input type="checkbox"/> Consent Agenda                  | <input type="checkbox"/> Informational Presentation | <input type="checkbox"/> Discussion Item |
| <input checked="" type="checkbox"/> Action/Decision Item | <input type="checkbox"/> Executive Session Request  | <input type="checkbox"/> Other:          |

**REQUESTING DEPARTMENT:** Public Works **STAFF RESOURCE:** Martin Smith, CIP Project Manager**AGENDA TITLE:** Discussion, Consideration, and Possible Adoption of Town of Camp Verde Engineering Design Standards – Standard Details.**ATTACHED DOCUMENTS:**

- Town of Camp Verde Engineering Design Standards – Standard Details.

**ESTIMATED PRESENTATION TIME:** 5 minutes **ESTIMATED DISCUSSION TIME:** 5 minutes**REVIEWED BY:**

☒ Town Manager ☒ Legal ☐ Risk Management ☐ Finance ☒ Other: The Directors of Public Works, Utilities, and Community Development have all reviewed these standards and have no concerns.

**FINANCIAL REVIEW** (if applicable):

- Funding Source / GL Account Number: N/A
- Approved in the FY25 Budget? ☐ Yes ☐ No ☒ N/A ☐ Other:
- Is this an approved CIP Project? ☐ Yes ☐ No ☒ N/A ☐ Other:

**BACKGROUND INFORMATION:**

The Town of Camp Verde is currently referencing Maricopa Association of Governments (MAG) Standard Specifications and Details for Public Works Construction for all construction related activities. MAG specifications and details are the minimum requirements usually adhered to by contractors in the absence of more stringent requirements. While this is often a perfectly acceptable procedure, there are instances where a municipality chooses to do something differently than how MAG specifies. It is common for Municipalities to adopt and issue a local supplement to the MAG standards for construction, usually due to personal preference, or to address an issue that may work in certain regions, but not locally. Many times, the municipality supplement takes the MAG specification and makes it more restrictive to fit with what has historically been done locally in the past.

Over the last several months the Engineering Department has been developing the Town's Engineering Design Standards. These design standards establish a new baseline that developers and contractors must comply with. It is an opportunity for the Town to establish how certain public works and private development projects are designed and built, promote uniformity, and enhance the beauty of the town. The Engineering Design Standards consist of two separate documents. There are the Standard Specifications that provide verbiage and technical information, and the Standard Details that are drawings of specific appurtenances, i.e. sidewalks, curb ramps, etc. While the Standard Specifications



## TOWN COUNCIL AGENDA INFORMATION MEMORANDUM

are still in development, it is Staff's desire to present the Standard Details for Council's consideration and approval.

Like many things associated with construction, the Engineering Design Standards (the standard specifications and standard details grouped together) is intended to be a living document that is subject to periodic updates as small issues are worked out and adjustments are made. It is staff's request that Council allow the Town Engineer to make minor adjustments to the Engineering Design Standards Manual as the need arises with director-level approval. This would allow the Engineer to publish updates to the design standards on an annual basis or more frequently if the need arises.

### **CONNECTION TO THE FY25-FY30 STRATEGIC PLAN**

This project complies with the Community Infrastructure section described in the Strategic Plan.

### **QUESTION(S) BEFORE THE COUNCIL:**

- Does Council have any questions that I can answer?

### **PROPOSED MOTION:**

Move to Adopt the Town of Camp Verde Engineering Design Standards – Standard Details.

1. THE TOWN OF CAMP VERDE DOES NOT WARRANT ANY QUANTITIES SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES. THE TOWN OF CAMP VERDE SHALL NOT BE HELD RESPONSIBLE FOR ERRORS IN ESTIMATES OF QUANTITIES, MATERIALS, SCHEDULE, INSTALLATION REQUIREMENTS, OR SIZE.
2. THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY CONSTRUCTION WORK BY TELEPHONE AT (928) 554-0823. ANY WORK CONCEALED WITHOUT INSPECTION SHALL BE SUBJECT TO EXCAVATION FOR INSPECTION AND REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
3. AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES. THE CONTRACTOR'S REPRESENTATIVE (CAPABLE OF COMMUNICATING WITH THE TOWN'S REPRESENTATIVES) SHALL BE ON THE JOB AT ALL TIMES THE WORK IS BEING PURSUED.
4. THE PROCEDURES AND METHODS USED TO SAMPLE, TEST MATERIALS, AND REPORT TEST RESULTS WILL BE DETERMINED BY THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT. FOR ALL PHASES OF CONSTRUCTION, THE TYPE, SCHEDULING, FREQUENCY AND LOCATION OF ALL MATERIALS TESTING AND SAMPLING SHALL BE DETERMINED BY THE ENGINEERING DEPARTMENT. THE INSPECTOR SHALL SELECT TESTING LOCATIONS AND INCREASE OR DECREASE THE FREQUENCY OF THE TESTS. COSTS OF MATERIAL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A THIRD PARTY TESTING LABORATORY SHALL BE USED FOR ALL MATERIAL TESTING. AS A GENERAL GUIDELINE TESTING FREQUENCY SHALL BE:
  - A. CONCRETE - 1 SET OF 4 CYLINDERS PER 50 CUBIC YARDS OR DAILY
  - B. SUBGRADE - 1 DENSITY TEST PER 500 LINEAL FEET - COMPACTION PER MAG
  - C. BASE COURSE - 1 DENSITY TEST PER 500 LINEAL FEET - COMPACTION PER MAG
  - D. ASPHALT - 1 DENSITY TEST PER 500 LINEAL FEET IN EACH LANE. 1 OIL CONTENT PER DAY OF PAVING. 1 GRADATION CHECK PER PAVING DAY. 1 MARSHALL TEST PER DAY OF PAVING.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND LEGAL DISPOSAL OF ALL ITEMS SHOWN AS BEING REMOVED ON THESE PLANS.
6. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE PRESENCE AND LOCATION OF ALL EXISTING OVERHEAD AND /OR UNDERGROUND UTILITIES AND IRRIGATION LINES THAT MAY INTERFERE WITH THIS CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THE CONSTRUCTION PLANS FOR THIS PROJECT AND TO ADEQUATELY PROTECT, REPAIR AS REQUIRED, AND MAINTAIN ANY SUCH UTILITIES AND IRRIGATION LINES.
7. THE CONTRACTOR IS ENCOURAGED TO USE RECLAIMED WATER FOR COMPACTION AND DUST CONTROL. RECLAIMED WATER PURCHASE IS AVAILABLE BY CONTACTING THE TOWN OF CAMP VERDE UTILITIES DEPARTMENT (928) 554-0850.
8. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTION DITCHES, PIPES PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT IMPROVEMENTS, WHETHER EXISTING OR PROPOSED, FROM RUNOFF OR DAMAGE FROM STORM WATER, MUST BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS.
9. TRAFFIC CONTROL SHALL CONFORM WITH THE CURRENT TOWN OF CAMP VERDE R.O.W. PERMIT AND MUTCD GUIDELINES, AS APPLICABLE.
10. ALL CONTRACTORS ARE RESPONSIBLE TO OBTAIN AN AZPDES POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS, INCLUDING NOTICE OF INTENT (NOI), NOTICE OF TERMINATION, AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A COPY OF THE NOI AND SWPPP SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES. THIS APPLIES TO ALL COMMERCIAL SITES REGARDLESS OF SIZE AND RESIDENTIAL SITES GREATER THAN 1 ACRE IN SIZE.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL OTHER PERMITS AND MEET ANY REQUIREMENTS SET FORTH BY OTHER AGENCIES OR UTILITIES, WHICH HAVE JURISDICTION, AT THE CONTRACTOR'S EXPENSE, INCLUDING OSHA.
12. ALL CONTRACTORS ARE RESPONSIBLE TO CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES, IF REQUIRED, IN ORDER TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAYS OR STREETS. GRAVEL TRACK-OUT PADS SHALL MEET CURRENT ADOT EROSION AND POLLUTION CONTROL MANUAL STANDARDS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ONTO PUBLIC RIGHTS-OF-WAYS OR STREETS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK AREAS INCLUDING STREETS & PAVED AREAS, DRAINAGEWAYS AND DRAINAGE APPURTENANCES, WORK AREA UTILITIES WHETHER BURIED AND EXPOSED, EMBANKMENTS & CUT SLOPES, AND ALL UNFINISHED WORK AREAS. THE CONTRACTOR SHALL DO WHAT IS REQUIRED SO THAT ACCESS IS NOT DENIED TO ANY PROPERTY ALONG THE PROPOSED CONSTRUCTION FOR ANY DURATION THAT WOULD INTERFERE WITH NORMAL DAILY INGRESS AND EGRESS. ALL DRIVING AREAS SHALL BE GRADED TO FINISH SURFACE FOLLOWING THE REQUIRED TRENCH FILL SPECIFICATIONS IMMEDIATELY AFTER THE INSTALLATION IS COMPLETE IN ORDER THAT ACCESS IS NOT INTERRUPTED AND THAT ACCESS IS UNINHIBITED. NO UNEVEN SURFACES SHALL BE ALLOWED THAT COULD CAUSE ACCIDENTS, VEHICLE DAMAGE, OR LIMITED ACCESS. THE CONTRACTOR SHALL DO WHAT IS REQUIRED TO ASSURE THAT NO UTILITIES ARE INTERRUPTED ALONG THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL LEAVE ALL DRAINAGEWAYS AND APPURTENANCES IN OPERATING ORDER THROUGHOUT THE CONSTRUCTION DURATION. THE CONTRACTOR SHALL ASSURE THAT ALL CUT AND FILL SLOPES ARE RESTORED TO THE PRIOR CONDITIONS OR AS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL SEE THAT ALL UNFINISHED WORK AREAS SHALL BE MAINTAINED TO ASSURE THAT OPEN TRENCHES ARE SECURE AND NOT LEFT UNATTENDED, THAT DRAINAGE IS NOT ALLOWED TO ENTER OPEN TRENCHES AND DAMAGE EXISTING AND NEW UTILITIES, AND THAT PUBLIC SAFETY IS ASSURED ALONG THE ENTIRE CONSTRUCTION ROUTE AT ALL TIMES. CONTRACTOR SHALL MEET OSHA STANDARDS FOR TRENCH SAFETY.
14. PRIOR TO THE START OF ANY WORK, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION AND UTILITY COORDINATION MEETING. ALL WORK, PLANS, SPECIFICATIONS, INSPECTION REQUIREMENTS, AND SCHEDULING SHALL BE DISCUSSED AT THIS MEETING.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL ARIZONA 811 LAWS PRIOR TO AND DURING CONSTRUCTION BY CONTACTING THE 811 AUTHORITY AT (602) 659-7500. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE UTILITY LOCATION AS IS REQUIRED THROUGHOUT THE PROJECT CONSTRUCTION DURATION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE ARIZONA 811 AUTHORITY REGULATIONS. CONTRACTOR SHALL PROVIDE THE TOWN OF CAMP VERDE ENGINEERING STAFF WITH EVIDENCE OF ANY AREA BEING DISTURBED HAVING BEEN LOCATED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.



## TOCV STANDARD DETAIL

## GENERAL ENGINEERING NOTES

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16. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE SUFFICIENT MANPOWER, MATERIALS, AND EQUIPMENT ON THE JOB AT ALL TIMES DURING THE DURATION OF THE CONSTRUCTION PROJECT TO BOTH COMPLY WITH THE PROJECT SPECIFICATIONS AND ALSO ACCOMPLISH THE WORK IN A TIMELY MANNER.
17. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE SPECIFICATIONS AS REQUIRED IN THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS OF PUBLIC WORKS CONSTRUCTION BY MARICOPA ASSOCIATION OF GOVERNMENT COMMONLY REFERRED TO AS MAG STANDARDS, TOWN OF CAMP VERDE REGULATIONS OR SPECIFICATIONS, ANSI/AWWA SPECIFICATIONS, AND/OR OTHER STATE AND FEDERAL SPECIFICATIONS, AS APPLICABLE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE TRENCH BRACING, SHEATHING, SHORING OR SIDE SLOPES AS REQUIRED FOR THE SAFETY AND CONFORMANCE TO ALL APPLICABLE OSHA LAWS AND CONSTRUCTION STANDARDS FOR THE EXCAVATION AND TRENCHING OF THIS PROJECT. THE CONTRACTOR SHALL ASSURE THAT SUITABLE AND SAFE CONDITIONS, INCLUDING PROPER TRAFFIC AND SAFETY CONTROL, ARE MET THROUGHOUT THE PROJECT DURATION OR WORK WILL BE CEASED UNTIL SUCH TIME THAT THE UNSAFE CONDITION IS RECTIFIED. THE TOWN OF CAMP VERDE SHALL NOT BE HELD IN ANY WAY RESPONSIBLE FOR ANY LOST TIME BY THE CONTRACTOR DUE TO UNSAFE CONDITIONS OR THE ENFORCEMENT OF THIS SPECIFICATION
19. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE TOWN OF CAMP VERDE PUBLIC WORKS PROJECT MANAGER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
20. THE TOWN OF CAMP VERDE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN THEIR JUDGMENT, PROGRESS IS UNSATISFACTORY OR UNAUTHORIZED, THE PRODUCT IS UNSATISFACTORY, WEATHER CONDITIONS ARE UNSUITABLE OR THERE IS DANGER TO THE PUBLIC.
21. SHOP DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR PER MAG SECTION 105.2.
22. THE CONTRACTOR MAY SUBMIT CAREFULLY DOCUMENTED AND CONSIDERED WRITTEN PROPOSALS FOR ALTERNATE MATERIALS AND CONSTRUCTION METHODS WHICH WILL BE CONSIDERED BY THE TOWN ENGINEER.
23. ALL IMPROVEMENTS SHALL BE CONSTRUCTED BY CONTRACTORS LICENSED BY THE ARIZONA STATE REGISTRAR OF CONTRACTORS, WITH A CLASS OF LICENSE(S) FOR THE SPECIFIC WORK BEING PERFORMED.
24. THE TOWN OF CAMP VERDE INSPECTION STAFF SHALL BE NOTIFIED 48 HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION THAT WILL REQUIRE INSPECTION.
25. THE TOWN OF CAMP VERDE RESERVES THE RIGHT TO REQUIRE MODIFICATIONS TO THESE PLANS DURING CONSTRUCTION IF FIELD CONDITIONS WARRANT.
26. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN THE WARRANTY PERIOD GIVEN IN THE PROJECT CONTRACT FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY AND AT THE EXPENSE OF THE CONTRACTOR.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE QUALITY OF EXISTING STREETS LEADING TO THE PROJECT SITE. EXISTING STREETS FOUND TO BE DAMAGED BY CONSTRUCTION TRAFFIC SHALL BE REPAIRED TO THE SATISFACTION OF THE TOWN OF CAMP VERDE TOWN ENGINEER BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
28. ALL ITEMS REMOVED AND NOT NOTED TO BE SALVAGED IN THE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE HAULED AWAY.
29. STREETS CLOSED BECAUSE OF CONSTRUCTION SHALL BE PROVIDED WITH BARRICADES AND/OR HAZARD SIGNS AS REQUIRED AND APPROVED BY THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF. THE TOWN OF CAMP VERDE EMERGENCY SERVICES SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY STREET CLOSURE.
30. PRIOR TO APPROVAL OF AN IMPROVEMENT PROJECT, AN "AS-BUILT" PLAN MUST BE SUBMITTED TO THE TOWN OF CAMP VERDE ENGINEER IN THE FORM OF HARD COPIES, DIGITAL PDF, AND CAD DRAWING. THE AS-BUILT PLAN SHALL INDICATE THE ACTUAL LOCATION OF WATER MAINS, SEWER MAINS, UNDERGROUND DRAINAGE STRUCTURES, ALL SEWER AND WATER SERVICES, ALL FITTINGS, VALVES AND MANHOLES RELATIVE TO RIGHT-OF-WAY BOUNDARIES, LOT LINE, OTHER POINTS OF SURVEY, OR OTHER IMPROVEMENTS IN PLANS.
31. THE ACCURACY OF ALL CONSTRUCTION WORK SHALL BE MAINTAINED AND VERIFIED BY THE CONTRACTOR'S SURVEYOR AT THE CONTRACTOR'S EXPENSE. STAKES WILL BE SET ESTABLISHING LINES AND GRADES (FINISH OR FLOWLINE) FOR ALL CONSTRUCTION INCLUDING ROADS, CURB AND GUTTER, SIDEWALKS, UTILITIES, STRUCTURES, AND OTHER WORK AS CONSIDERED NECESSARY. ALL SURVEY CONTROL SHALL BE SET BY THE CONTRACTOR'S SURVEYOR FROM MONUMENTS PER THESE APPROVED PLANS.
32. A COPY OF THE A.D.E.Q. PERMITS ISSUED PRIOR TO NEW CONSTRUCTION, EXTENSION TO, OR MODIFICATION OF A WATER DISTRIBUTION SYSTEM, SEWAGE COLLECTION OR INDIVIDUAL SEWAGE TREATMENT SYSTEM SHALL BE ONSITE AT ALL TIMES.
33. RELOCATION OF SIGNS, TREES, SHRUBS, MAILBOXES AND OTHER INCIDENTALS REQUIRING RELOCATION SHALL BE MOVED ONLY FAR ENOUGH TO ALLOW CONSTRUCTION OF THE PROJECT AND CAUSE THE LEAST DISRUPTION TO PRIVATE PROPERTY, AND LANDSCAPE. FINAL POSITIONS SHALL BE APPROVED BY THE TOWN OF CAMP VERDE PRIOR TO RELOCATION. ALL RELOCATED ITEMS SHALL CONTINUE TO WORK IN THEIR INTENDED CAPACITY AFTER THE RELOCATION HAS BEEN ACCOMPLISHED. NO SIGNS SHALL BE RELOCATED TO POSITIONS OUTSIDE DESIGNATED RIGHTS-OF-WAY. SAFETY SHALL BE A PRIMARY CONSIDERATION IN THE PLACEMENT OF SHRUBBERY AND SIGNS WHICH COULD POSSIBLY DISRUPT THE SIGHT DISTANCE OF MOTORISTS.
34. NO JOB WILL BE CONSIDERED COMPLETE UNTIL FINAL GRADING IS COMPLETE AND ALL CURBS, PAVEMENT, AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS, ALL SURVEY MONUMENTS ARE INSTALLED, AND ALL VALVES, MANHOLES AND BOXES HAVE BEEN ADJUSTED TO GRADE ACCORDING TO THESE APPROVED PLANS.
35. TOWN OF CAMP VERDE TOWN ENGINEER RESERVES THE RIGHT TO AMEND NOTES AND DETAILS AS DEEMED NECESSARY WITH APPROPRIATE DIRECTOR APPROVAL.



## TOCV STANDARD DETAIL

## GENERAL ENGINEERING NOTES

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1. EXCAVATING CONTRACTOR MUST GIVE LOCATION FOR WASTING EXCESS EXCAVATION IF LOCATED WITHIN THE TOWN OF CAMP VERDE AND A LETTER FROM OWNER GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ON-SITE CONSTRUCTION. IF EXCESS EXCAVATION EXCEEDS 50 CUBIC YARDS AND IS DISPOSED OF ON PRIVATE PROPERTY THE DISPOSAL SITE WILL ALSO REQUIRE A GRADING AND DRAINAGE PERMIT.
2. GRADING AND DRAINAGE PLAN APPROVAL INCLUDES THE CONSTRUCTION OF ALL SURFACE IMPROVEMENTS SHOWN ON THE APPROVED PLANS.
3. COMPACTION SHALL COMPLY WITH M.A.G. SECTION 601 OR AS SPECIFIED IN THESE PLANS.
4. TREES AND SHRUBBERY THAT CONFLICT WITH PROPOSED IMPROVEMENTS SHALL NOT BE REMOVED WITHOUT BEING SHOWN IN THE APPROVED PLANS OR APPROVAL OF THE TOWN ENGINEER.
5. SUBGRADE PREPARATION SHALL CONFORM WITH THE GEOTECHNICAL REPORT, IF APPLICABLE, FOR THIS PROJECT UNLESS OTHERWISE DIRECTED IN THESE APPROVED PLANS.
6. THE CONTRACTOR SHALL PRESERVE AND MAINTAIN CONSTRUCTION STAKING AND REFERENCE AND CONTROL POINTS UNTIL SUCH A TIME THAT THEY ARE NO LONGER REQUIRED. IN THE EVENT THAT THESE ITEMS ARE MOVED OR DESTROYED IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THOSE ITEMS RE-ESTABLISHED FOR LOCATION AND GRADE.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND LEGAL DISPOSAL OF ALL ITEMS SHOWN AS BEING REMOVED ON THESE PLANS.
8. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE PRESENCE AND LOCATION OF ALL EXISTING OVERHEAD AND /OR UNDERGROUND UTILITIES AND IRRIGATION LINES THAT MAY INTERFERE WITH THIS CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THE CONSTRUCTION PLANS FOR THIS PROJECT AND TO ADEQUATELY PROTECT, REPAIR AS REQUIRED, AND MAINTAIN ANY SUCH UTILITIES AND IRRIGATION LINES.
9. THE CONTRACTOR IS ENCOURAGED TO USE RECLAIMED WATER FOR COMPACTION AND DUST CONTROL. RECLAIMED WATER PURCHASE IS AVAILABLE BY CONTACTING THE TOWN OF CAMP VERDE UTILITIES DEPARTMENT (928) 554-0850.
11. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTION DITCHES, PIPES PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT IMPROVEMENTS, WHETHER EXISTING OR PROPOSED, FROM RUNOFF OR DAMAGE FROM STORM WATER, MUST BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS.
12. ALL CONTRACTORS ARE RESPONSIBLE TO OBTAIN AN AZPDES POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS, INCLUDING NOTICE OF INTENT (NOI), NOTICE OF TERMINATION, AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A COPY OF THE NOI AND SWPPP SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES. THIS APPLIES TO ALL COMMERCIAL SITES REGARDLESS OF SIZE AND RESIDENTIAL SITES GREATER THAN 1 ACRE IN SIZE.
13. ALL CONTRACTORS ARE RESPONSIBLE TO CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES, IF REQUIRED, IN ORDER TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAYS OR STREETS. GRAVEL TRACK-OUT PADS SHALL MEET CURRENT ADOT EROSION AND POLLUTION CONTROL MANUAL STANDARDS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ONTO PUBLIC RIGHTS-OF-WAYS OR STREETS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK AREAS INCLUDING STREETS & PAVED AREAS, DRAINAGEWAYS AND DRAINAGE APPURTENANCES, WORK AREA UTILITIES WHETHER BURIED AND EXPOSED, EMBANKMENTS & CUT SLOPES, AND ALL UNFINISHED WORK AREAS. THE CONTRACTOR SHALL DO WHAT IS REQUIRED SO THAT ACCESS IS NOT DENIED TO ANY PROPERTY ALONG THE PROPOSED CONSTRUCTION FOR ANY DURATION THAT WOULD INTERFERE WITH NORMAL DAILY INGRESS AND EGRESS. ALL DRIVING AREAS SHALL BE GRADED TO FINISH SURFACE FOLLOWING THE REQUIRED TRENCH FILL SPECIFICATIONS IMMEDIATELY AFTER THE INSTALLATION IS COMPLETE IN ORDER THAT ACCESS IS NOT INTERRUPTED AND THAT ACCESS IS UNINHIBITED. NO UNEVEN SURFACES SHALL BE ALLOWED THAT COULD CAUSE ACCIDENTS, VEHICLE DAMAGE, OR LIMITED ACCESS. THE CONTRACTOR SHALL DO WHAT IS REQUIRED TO ASSURE THAT NO UTILITIES ARE INTERRUPTED ALONG THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL LEAVE ALL DRAINAGE WAYS AND APPURTENANCES IN OPERATING ORDER THROUGHOUT THE CONSTRUCTION DURATION. THE CONTRACTOR SHALL ASSURE THAT ALL CUT AND FILL SLOPES ARE RESTORED TO THE PRIOR CONDITIONS OR AS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL SEE THAT ALL UNFINISHED WORK AREAS SHALL BE MAINTAINED TO ASSURE THAT OPEN TRENCHES ARE SECURE AND NOT LEFT UNATTENDED, THAT DRAINAGE IS NOT ALLOWED TO ENTER OPEN TRENCHES AND DAMAGE EXISTING AND NEW UTILITIES, AND THAT PUBLIC SAFETY IS ASSURED ALONG THE ENTIRE CONSTRUCTION ROUTE AT ALL TIMES. CONTRACTOR SHALL MEET OSHA STANDARDS FOR TRENCH SAFETY.
15. ANY GRADING WITHIN A FLOOD HAZARD AREAS WILL REQUIRE THE REVIEW AND APPROVAL OF GRADING PLANS BY THE TOWN OF CAMP VERDE TOWN ENGINEER.
16. THE TOWN OF CAMP VERDE HAS ADOPTED THE MOST CURRENT YAVAPAI COUNTY DRAINAGE MANUAL.
17. ALL OUTFLOWS FROM DEVELOPED PROPERTY MUST BE EQUAL TO OR LESS THAN PRE-DEVELOPMENT HISTORIC FLOWS. ANY RESIDENTIAL OR COMMERCIAL DEVELOPMENT SHALL NOT CAUSE ADVERSE IMPACT TO ANY DOWNSTREAM OR NEIGHBORING PROPERTIES, INFRASTRUCTURE, DRAINAGES, AND WATERWAYS BY DISCHARGE OF AN INCREASED POST DEVELOPMENT FLOW.
18. ALL DEVELOPMENTS WILL REQUIRE SUBMITTAL OF GRADING & DRAINAGE PLANS AND DRAINAGE REPORT BY AN ARIZONA LICENSED PROFESSIONAL CIVIL ENGINEER.
19. GRADING & DRAINAGE PLANS AND DRAINAGE REPORT MUST INCLUDE NECESSARY CALCULATIONS TO ANALYZE ALL CHANGES MADE TO SITE FROM NATIVE LAND TO POST DEVELOPMENT SITE CONDITIONS FOR FIRST CATCH/FLUSH & DETENTION.



## TOCV STANDARD DETAIL

## GRADING AND DRAINAGE NOTES

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1. ALL PROJECT MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION, THE TOWN OF CAMP VERDE STD DETAILS AND SPECIFICATIONS, THE APPROVED PLANS, TOGETHER WITH GENERALLY ACCEPTED GOOD CONSTRUCTION PRACTICES.
2. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEN AND EQUIPMENT ON THE JOB SITE AT ALL TIMES TO ASSURE PUBLIC SAFETY AND COMPLY WITH THE CONSTRUCTION SPECIFICATIONS.
3. WATERMAIN PIPE INSTALLATION, EMBEDMENT, AND BACKFILL SHALL CONFORM TO TOWN OF CAMP VERDE STD DTL 200CV AND ITS REFERENCED SPECIFICATIONS.
4. THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF WILL CONDUCT INSPECTIONS OF ALL OF THE PROPOSED IMPROVEMENTS. THESE REQUIRED INSPECTIONS WILL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
  - A. PRE-EXCAVATION LOCATION OF THE PROPOSED TRENCH AND ANY PROPOSED SAW CUTTING OF ASPHALT OR CONCRETE AND VERIFICATION OF BLUE STAKE.
  - B. EXCAVATED DEPTH AND TRENCH SUBGRADE PREPARATION: ANY CROSSED UTILITIES (PUBLIC OR PRIVATE) WILL BE INSPECTED TO ASSURE NO DAMAGE OCCURRED DURING EXCAVATION.
  - C. THE PLACEMENT OF TRENCH BOTTOM BEDDING INCLUDING QUALITY OF MATERIALS, THICKNESS, MOISTURE, AND COMPACTION IN ACCORDANCE TO THE PIPE BEDDING AND TRENCH DETAIL IN THE APPROVED PLANS.
  - D. THE INSTALLATION AND ASSEMBLY OF THE PROPOSED PIPE AND FITTINGS IN THE TRENCH ATOP THE TRENCH BOTTOM BEDDING. THIS WILL INCLUDE BUT NOT BE LIMITED TO INSPECTING THAT BEDDING HAS BEEN HAND REMOVED BELOW BELLS FOR FLUSH FIT ATOP TRENCH BOTTOM BEDDING, THAT PIPE ENDS HAVE BEEN MARKED AND THEN INSERTED INTO BELL ENDS FOR THE APPROPRIATE DEPTHS, THAT FITTINGS AND PIPE ARE PROPERLY ALIGNED AND BOLTED TOGETHER AS REQUIRED, THAT TRACING WIRE IS INSTALLED AS REQUIRED, THAT ALL DUCTILE IRON FITTINGS AND PIPE ARE WRAPPED AS REQUIRED, AND THAT ALL ITEMS ARE REASONABLY CENTERED IN THE TRENCH SO THAT BEDDING MATERIAL CAN BE PLACED ALONG THE SIDES OF THE PIPE AS REQUIRED BY THE PIPE BEDDING AND TRENCH DETAIL IN THE APPROVED PLANS
  - E. THAT THE PIPE AND FITTINGS ARE APPROPRIATELY BEDDED AROUND AND OVER AS REQUIRED BY THE PIPE BEDDING AND TRENCH DETAIL IN THE APPROVED PLANS INCLUDING QUALITY OF BEDDING MATERIAL, WIDTH/THICKNESS, MOISTURE, AND COMPACTION PER TABLE #1 BELOW.
  - F. THAT TRACER WIRE IS INSTALLED UNDER THE CENTER LINE OF THE PIPE AND IS NOT DAMAGED DURING CONSTRUCTION. BEFORE ACCEPTANCE FOR THE JOB TRACER WIRE WILL BE CHECKED FOR CONTINUITY. DAMAGED WIRE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
  - G. THAT "BURIED WATERLINE" LABELED DETECTOR TAPE IS INSTALLED PROPERLY ATOP THE FIRST COMPACTED LIFT OF NATIVE MATERIAL OR SLURRY ABOVE THE TOP OF PIPE BEDDING AND DIRECTLY ABOVE THE CENTERLINE OF THE BURIED WATERLINE.
  - H. THAT NATIVE BACKFILL USED ABOVE THE BEDDING IS CAREFULLY PROCESSED TO REMOVE ALL ROCK LARGER THAN 3" DIAMETER AND OBTAIN THE APPROPRIATE MOISTURE AND THEN CAREFULLY PLACED IN EVEN AND UNIFORM LIFTS IN THE TRENCH AND COMPACTED TO THE DENSITY REQUIRED TO SATISFY BOTH MAG SPECIFICATIONS IN SECTION 601 AND ADOT REQUIREMENTS FOR WORK IN THEIR RIGHT OF WAY AND PER SPECIFICATIONS IN THESE APPROVED PLANS. THE ALLOWABLE DEPTH OF LIFT WILL BE DETERMINED BY THE CAPABILITIES OF THE COMPACTION EQUIPMENT PROVIDED BY THE CONTRACTOR. DENSITIES OF TRENCH BACKFILL WILL BE CHECKED BY THE PROJECT TESTING CONSULTANT AT THE FOLLOWING VERTICAL AND HORIZONTAL INTERVALS:

TABLE 1

| MATERIAL/LOCATION             | TEST INTERVAL-VERTICAL      | TEST INTERVAL-HORIZONTAL                |
|-------------------------------|-----------------------------|-----------------------------------------|
| PIPE BEDDING BASE             | TOP OF LIFT                 | EVERY 350' OR DAILY (WHICHEVER IS LESS) |
| PIPE BEDDING                  | TOP OF BEDDING              | EVERY 350' OR DAILY (WHICHEVER IS LESS) |
| TRENCH BACKFILL ABOVE BEDDING | EVERY 18" OF VERTICAL FILL* | EVERY 350' OR DAILY (WHICHEVER IS LESS) |

\* OR AS REQUIRED BY TOWN OF CAMP VERDE STD DTL 200CV

5. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AN ACCURATE SET OF "AS-BUILT" PLANS AS HARD COPIES, DIGITAL PDF, AND CAD DRAWING TO THE TOWN OF CAMP VERDE TOWN ENGINEER PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT WORK. THESE AS-BUILT PLANS SHALL ACCURATELY SHOW THE LOCATIONS OF ALL CONSTRUCTED WATERLINES, FITTINGS, VALVES, BLOCKING, AND TIE-IN POINTS WITH THEIR RELATIONSHIP TO RIGHT OF WAY BOUNDARIES, LOT LINES, OR OTHER POINTS OF SURVEY.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SURVEY ACCURACY OF ALL OF THE PROPOSED WORK AT THEIR EXPENSE. THE PROPOSED WORK SHALL BE STAKED BY USE OF MONUMENTATION THAT IS ACCEPTABLE TO THE TOWN OF CAMP VERDE TOWN ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO "POT-HOLE" OR UNCOVER ALL EXISTING WATER LINE TIE-IN POINTS TO VERIFY THEIR SIZE, MATERIAL, LOCATION AND DEPTH PRIOR TO TRENCHING FOR NEW WATER LINE CONSTRUCTION. THIS MAY BE DONE WITH PROJECT EQUIPMENT JUST PRIOR TO NEW CONSTRUCTION AND SHALL BE DONE UNDER THE SUPERVISION OF THE WATER DIVISION MANAGER.



**TOCV STANDARD  
DETAIL**

## WATER PLAN GENERAL NOTES

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8. ALL WATER MAIN PIPING SHALL BE DUCTILE IRON PRESSURE CLASS 350 ENCASED IN POLYETHYLENE SLEEVING, OR PVC C-900 CLASS DR14 AS SHOWN IN THE APPROVED PLANS.
9. WATER MAINS SHALL BE BURIED FOR A MINIMUM DEPTH OF 36-INCHES FOR PIPE DIAMETERS 10-INCHES OR LESS AND A MINIMUM OF 48-INCHES FOR PIPES WITH A DIAMETER GREATER THAN 10-INCHES UNLESS SHOWN DIFFERENTLY IN THE APPROVED PLANS OR APPROVED IN WRITING FROM THE TOWN ENGINEER. THE DEPTH SHOWN IN PLANS IS ASSUMED TO BE THE MINIMUM DEPTH.
10. ALL WATER LINES AND FITTINGS SHALL BE BEDDED AND SHADED ABOVE, BELOW, AND AROUND WITH AN APPROVED ROCK FREE, SANDY BEDDING MATERIAL PER THE PIPE BEDDING AND TRENCH DETAIL IN THE APPROVED PLANS. NO CLEAN CHIPS OR PEA GRAVEL WILL BE ALLOWED.
11. THE CONTRACTOR SHALL PROVIDE A BLUE COATED SOLID #12 COPPER TRACER WIRE SECURED TO THE TOP CENTERLINE OF ALL WATER LINES AND SERVICES PER TOWN OF CAMP VERDE STD DETAIL 200CV. THE CONTRACTOR SHALL PROVIDE A LOOPED PIGTAIL AT ALL IN-LINE VALVE LOCATIONS. TRACER WILL BE INSPECTED FOR CONTINUITY PRIOR TO ACCEPTANCE OF THE WORK. NON-CONTINUOUS OR FAULTY WIRE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
12. ALL SERVICE LINES THAT ARE UNDER PAVEMENT OR CONCRETE SHALL BE SLEEVED IN 4-INCH SDR 35 PVC OR APPROVED EQUAL. SERVICE LINES ARE TO BE CONSTRUCTED WITH MUNICIPEX CROSS-LINKED POLYETHYLENE PIPING.
13. ALL WATER LINE ENDS SHALL BE PROVIDED WITH AN APPROVED 2" FLUSH VALVE (BLOWOFF) PER TOWN OF CAMP VERDE STANDARD DETAIL 390CV OR AS SHOWN IN THE APPROVED PLANS.
14. ALL FIRE HYDRANT HOSE AND PUMPER CONNECTIONS SHALL MATCH STANDARD SIZE AND THREADS PER THE COPPER CANYON FIRE DEPARTMENT (NATIONAL STANDARD THREAD WITH 4½" PUMPER PORT ).
15. ALL FRAMES, COVERS, VALVE BOXES, VAULT LIDS, ETC., SHALL BE PROPERLY ADJUSTED TO FINISH GRADE WITH THE SURROUNDING GRADE OR PAVING AFTER THE COMPLETION OF PAVING AND GRADING.
16. THE CONTRACTOR SHALL DISINFECT EVERY PART OF THE NEWLY CONSTRUCTED WATER SYSTEM PER ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY BULLETIN #8.
17. THE CONTRACTOR SHALL PROVIDE BACTERIOLOGICAL TESTING OF THE NEWLY CONSTRUCTED WATER SYSTEM PER ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY BULLETIN #8.
18. THE CONTRACTOR SHALL PERFORM PRESSURE TESTING OF THE NEWLY CONSTRUCTED WATER SYSTEM AT THE DIRECTION OF THE TOWN OF CAMP VERDE TOWN ENGINEER AND WATER DIVISION. ALL LEAKS THAT ARE FOUND WILL BE REPAIRED AND RETESTED FOR PRESSURE BY THE CONTRACTOR PRIOR TO THE SYSTEM BEING PLACED INTO SERVICE. IF NECESSARY, THE SYSTEM MAY NEED TO BE ONCE AGAIN DISINFECTED AND MAY NEED TO UNDERGO BACTERIOLOGICAL TESTING AT THE CONTRACTOR'S EXPENSE PRIOR TO IT BEING PLACED IN SERVICE.
19. THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF SHALL BE NOTIFIED 48 HOURS PRIOR TO THE START OF CONSTRUCTION SO THAT INSPECTIONS MAY BE SCHEDULED.
20. ALL WORK AND MATERIALS THAT DO NOT CONFORM TO THESE SPECIFICATIONS OR THE APPROVED PLANS ARE SUBJECT TO REMOVAL AND REPLACEMENT TO MATCH THESE APPROVED PLANS UNDER THE DIRECTION OF THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF AT THE CONTRACTOR'S EXPENSE.
21. ALL WORK DONE BY THE CONTRACTOR SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF, PRIOR TO BURIAL. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE TOWN OF CAMP VERDE INSPECTION STAFF IS SUBJECT TO EXCAVATION AND INSPECTION, REMOVAL, REPLACEMENT, OR REPAIR AT THE DIRECTION OF THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT SOLELY AT THE CONTRACTOR'S EXPENSE. REPAIR OF ANY DAMAGE DONE DURING THIS TYPE OF RE-EXPOSURE AND REQUIRED RE-TESTING, ETC. IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
22. ALL VAULTS OR OTHER UNDERGROUND STRUCTURES WILL BE PLACED ATOP SUBGRADE AND BASE COURSE PLACED AND COMPACTED TO 95% MOD, TO THE SATISFACTION OF THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT.
23. ALL PLASTIC PIPES SHALL BEAR THE SEAL BY THE NATIONAL SANITATION FOUNDATION.
24. ALL MATERIALS AND PRODUCTS THAT COME INTO CONTACT WITH WATER OR WATER TREATMENT CHEMICALS SHALL CONFORM TO ANSI/NSF STANDARD 61.
25. ALL CONSTRUCTION MATERIALS USED IN A PUBLIC WATER SYSTEM INCLUDING ALL RESIDENTIAL AND NON-RESIDENTIAL FACILITIES WHICH WILL BE CONNECTED TO SAID PUBLIC WATER SYSTEM, SHALL BE LEAD-FREE AS DEFINED BY R18-5-504.
26. WHERE CULVERTS OR DRAINAGE PIPES CROSS WATER MAINS, A MINIMUM ONE FOOT VERTICAL SEPARATION SHALL BE MAINTAINED.
27. WATER MAINS AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION PER MAG STANDARD DETAIL 404, MAG SPECIFICATION 610.5 AND ARIZONA ADMINISTRATIVE CODE R18-5-502.
28. SUBMITTAL OF AN ENGINEER'S CERTIFICATE OF COMPLETION IS REQUIRED BY ADEQ FOR ALL WATER AND SEWER SYSTEM CONSTRUCTION PRIOR TO TOWN FINAL APPROVAL OF USE.

29. ALIGNMENT AND GRADE STAKING WILL BE OFFSET TEN FEET (10') AND SET EVERY FIFTY FEET ALONG THE PIPE LINE. IN ADDITION, STAKING WILL BE PROVIDED AT ANY CHANGE IN DIRECTION, ANY FITTING AND VALVE, AND CHANGES IN SIZE OF THE LINE. STAKING WILL SHOW CUT TO FLOWLINE FOR PROPER DEPTH OF INSTALLATION. GRADE SHALL NOT DEVIATE BY  $\frac{1}{10}' \pm$ . ALIGNMENT SHALL NOT DEVIATE  $\frac{5}{10}' \pm$ . FINISH GRADE STAKES WILL BE PLACED AT ALL GROUND LEVEL APPURTENANCES SUCH AS METERS, BLOW-OFFS, AIR RELEASE, VALVES, AND FIRE HYDRANTS.
30. PIPE LINES WILL NOT BE INSTALLED MORE THAN SEVENTY TWO INCHES (72") DEEP.
31. ALL SERVICE AND METER INSTALLATION SHALL CONFORM TO TOWN OF CAMP VERDE DETAILS AND AWWA STANDARDS C600 WITH THE PRESSURE AND LEAKAGE TEST BEING PERFORMED AT 200 PSI.
32. ALL WATER MAIN VALVES SHALL CONFORM TO AWWA C509 STANDARDS CAPABLE OF FUNCTIONING WITH A MINIMUM WORKING PRESSURE OF 200 PSI.
33. ALL METERS INSTALLED WILL BE RADIO READ METERS SPECIFIED BY THE TOWN OF CAMP VERDE. EACH METER SHALL HAVE A SEPARATE SERVICE. ALL NEW CONSTRUCTION THAT CROSSES THE EXPANSE OF A ROADWAY WILL BE SLEAVED WITH A MINIMUM OF 4" SDR 35 PVC PIPE.
34. ALL ACTIVITIES DURING CONSTRUCTION WILL BE REQUIRED TO HAVE A TEMPORARY RPA BACKFLOW ASSEMBLY INSTALLED PRIOR TO THE POINT OF USE. THIS ASSEMBLY MUST BE TESTED TO VERIFY CORRECT OPERATION BEFORE THE WATER CAN BE USED FOR CONSTRUCTION. ALL NON-RESIDENTIAL SERVICES AND METERS REQUIRE THE PERMANENT INSTALLATION OF A RPA BACKFLOW ASSEMBLY. RESIDENTIAL SERVICES AND METERS REQUIRE THE PERMANENT INSTALLATION OF A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER ASSEMBLY IF AN ALTERNATE WATER SUPPLY IS LOCATED ON THE LOT THAT THE WATER SERVICE IS PROVIDING.

1. ALL FRAMES, COVERS, VALVE BOXES, CLEAN-OUTS, AND MANHOLES SHALL BE ADJUSTED TO FINISH GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION.
2. INSULATED TRACER WIRE (BRIGHT GREEN COATED, #12, SOLID COPPER) SHALL BE PLACED UNDER MANHOLE FRAMES AND CLEANOUTS AND EXTEND ALONG MAINS AND LATERALS. ALL SPLICES SHALL BE WATER TIGHT. TRACER WIRE IS INSTALLED ABOVE THE CENTER LINE OF THE PIPE AND SECURED TO THE PIPE WITH PVC TAPE. TRACER WIRE SHALL NOT BE DAMAGED DURING CONSTRUCTION. BEFORE ACCEPTANCE FOR THE JOB TRACER WIRE WILL BE CHECKED FOR CONTINUITY. DAMAGED WIRE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. SEWER FORCE MAIN SHALL HAVE THE SAME TRACER WIRE INSTALLED.
3. SEWER CASTINGS SHALL BE MANUFACTURED IN NORTH AMERICA OR APPROVED SPECIFICALLY BY THE TOWN ENGINEER.
4. THE CONTRACTOR IS RESPONSIBLE TO SCHEDULE AND PAY FOR VIDEO INSPECTION OF ALL PUBLIC SANITARY SEWER MAINLINES. COPIES OF THE VIDEO SHALL BE SUPPLIED TO THE TOWN OF CAMP VERDE UTILITIES DIVISION AND THE TOWN ENGINEER.
5. SANITARY SEWER PIPE AND MANHOLES SHALL BE TESTED ACCORDING TO THE FOLLOWING STANDARDS:
  - A. MANHOLE TESTING: THE CONTRACTOR SHALL TEST 100% OF THE MANHOLES USING THE FOLLOWING TEST PROTOCOL:
    1. AIR PRESSURE TESTING USING THE "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE AIR PRESSURE (VACUUM) TEST," PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS, C 1244/C1244M-20.
    2. THE CONTRACTOR SHALL PERFORM MANHOLE TESTING AFTER INSTALLATION OF THE MANHOLE CONE TO VERIFY WATERTIGHTNESS OF THE MANHOLE FROM THE TOP OF THE CONE DOWN. UPON SATISFACTORY TEST RESULTS, THE CONTRACTOR SHALL INSTALL THE MANHOLE RING AND ANY SPACERS, COMPLETE THE JOINTS, AND SEAL THE MANHOLE TO A WATERTIGHT CONDITION. IF THE MANHOLE CONE, SPACERS, AND RING CAN BE INSTALLED TO FINAL GRADE WITHOUT DISTURBANCE OR ADJUSTMENT BY LATER CONSTRUCTION, THE CONTRACTOR MAY PERFORM THE TESTING FROM THE TOP OF THE MANHOLE RING DOWN.
  - B. LEAKAGE TESTING - THE CONTRACTOR SHALL TEST EACH SEGMENT OF THE SEWER LINE (100%) FOR LEAKAGE USING THE APPLICABLE METHOD BELOW AND RECORD THE RESULTS:
    1. "STANDARD TEST METHOD FOR INSTALLATION AND ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR" PER MAG SPECIFICATION (REV 2017) 611.3 (A) LOW PRESSURE TEST.
  - C. THE CONTRACTOR SHALL PERFORM A DEFLECTION TEST OF THE TOTAL LENGTH (100%) OF ALL SEWER LINES MADE OF FLEXIBLE MATERIALS TO ENSURE THAT THE INSTALLATION MEETS OR EXCEEDS THE MANUFACTURER'S RECOMMENDATIONS AND RECORD THE RESULTS.
  - D. ANY PART OF THE INSTALLATION WHICH SHOWS DEFLECTION IN EXCESS OF 5% OF THE NOMINAL INSIDE DIAMETER PER MAG SECTION 738 OR IN EXCESS OF 5% OF THE AVERAGE INSIDE DIAMETER PER ASTM D-3034 FOR PVC PIPE SHALL BE CORRECTED.
  - E. UNIFORM SLOPE: THE CONTRACTOR SHALL TEST THE TOTAL LENGTH (100%) OF THE SEWER LINE FOR UNIFORM SLOPE BY VISUALLY INSPECTING THE INTERIOR OF THE SEWER LINE USING A TELEVISION CAMERA AND RECORD THE RESULTS. THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE TOWN OF CAMP VERDE. SEE NOTE 25 FOR ACCEPTABLE DEFLECTION REQUIREMENTS.
6. SDR 26 PVC PIPE AND DUCTILE IRON PIPE WITH SPECIAL SEWER COATINGS ARE ALLOWED MATERIALS FOR SEWER LINES UNLESS OTHERWISE APPROVED BY TOWN ENGINEER.
7. A SEWER CLEANOUT AND BACKWATER DEVICE SHALL BE PROVIDED AT THE EDGE OF THE RIGHT-OF-WAY PER TOWN OF CAMP VERDE STANDARD DETAIL 440CV.
8. TRENCH BOTTOM SHALL BE COMPACTED BY SUITABLE MEANS PER THE PIPE BEDDING AND TOWN OF CAMP VERDE STANDARD DETAIL 200CV. THE INSTALLATION AND ASSEMBLY OF THE PROPOSED PIPE AND FITTINGS IN THE TRENCH ATOP THE TRENCH BOTTOM BEDDING. THIS WILL INCLUDE BUT NOT BE LIMITED TO INSPECTING THAT BEDDING HAS BEEN HAND REMOVED BELOW BELLS FOR FLUSH FIT ATOP TRENCH BOTTOM BEDDING, THAT PIPE ENDS HAVE BEEN MARKED AND THEN INSERTED INTO BELL ENDS FOR THE APPROPRIATE DEPTHS, THAT FITTINGS AND PIPE ARE PROPERLY ALIGNED AND BOLTED TOGETHER AS REQUIRED, THAT TRACING WIRE IS INSTALLED AS REQUIRED, THAT ALL DUCTILE IRON FITTINGS AND PIPE ARE WRAPPED AS REQUIRED, AND THAT ALL ITEMS ARE REASONABLY CENTERED IN THE TRENCH SO THAT BEDDING MATERIAL CAN BE PLACED ALONG THE SIDES OF THE PIPE AS REQUIRED BY THE PIPE BEDDING AND TRENCH DETAIL IN THE APPROVED PLANS.
9. "BURIED SEWER LINE" LABELED METALLIC DETECTOR TAPE SHALL BE INSTALLED PROPERLY ATOP THE FIRST COMPACTED LIFT OF FINAL BACKFILL. TAPE SHALL BE PLACED 18" TO 24" DIRECTLY ABOVE THE TOP OF PIPE.
10. ALL PROJECT MATERIALS AND WORKMANSHIP SHALL COMPLY WITH MAG STANDARD SPECIFICATIONS AND DETAILS, THE TOWN OF CAMP VERDE STANDARD DETAILS AND SPECIFICATIONS, THE APPROVED PLANS AND SPECIFICATIONS, TOGETHER WITH GENERALLY ACCEPTED GOOD CONSTRUCTION PRACTICES.
11. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEN AND EQUIPMENT ON THE JOB AT ALL TIMES TO ASSURE PUBLIC SAFETY AND COMPLY WITH THE CONSTRUCTION SPECIFICATIONS.
12. SEWER MAIN AND LATERAL TRENCHING, EMBEDMENT AND BACKFILL SHALL CONFORM TO TOCV STD DTL 200CV AND ITS REFERENCED SPECIFICATIONS.
13. CONTRACTOR SHALL PROVIDE ADEQUATE TRENCH OR EXCAVATION STABILIZATION/STEPPING AND SHORING FOR THE SAFETY FOR THE TOWN OF CAMP VERDE PERSONNEL TO ENTER EXCAVATION FOR SEWER TAP /INSPECTION
14. NATIVE BACKFILL USED ABOVE THE BEDDING SHALL BE CAREFULLY PROCESSED TO REMOVE ALL ROCK LARGER THAN 3" DIAMETER AND OBTAIN THE APPROPRIATE MOISTURE AND THEN CAREFULLY PLACED IN EVEN AND UNIFORM LIFTS IN THE TRENCH AND COMPACTED TO THE DENSITY REQUIRED TO SATISFY BOTH MAG SPECIFICATIONS IN SECTION 601 AND ARIZONA DEPARTMENT OF TRANSPORTATION REQUIREMENTS FOR WORK IN THEIR RIGHT-OF-WAY. THE ALLOWABLE DEPTH OF LIFT WILL BE DETERMINED BY THE CAPABILITIES OF THE COMPACTION EQUIPMENT PROVIDED BY THE CONTRACTOR. DENSITIES OF TRENCH BACKFILL WILL BE CHECKED BY TOWN OF CAMP VERDE UTILITY ENGINEER OR DESIGNEE AT THE FOLLOWING VERTICAL AND HORIZONTAL INTERVALS:



## TOCV STANDARD DETAIL

## WASTEWATER PLAN GENERAL NOTES

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TABLE 1

| MATERIAL/LOCATION             | TEST INTERVAL-VERTICAL      | TEST INTERVAL-HORIZONTAL                |
|-------------------------------|-----------------------------|-----------------------------------------|
| PIPE BEDDING BASE             | TOP OF LIFT                 | EVERY 350' OR DAILY (WHICHEVER IS LESS) |
| PIPE BEDDING                  | TOP OF BEDDING OR EVERY 12" | EVERY 350' OR DAILY (WHICHEVER IS LESS) |
| TRENCH BACKFILL ABOVE BEDDING | EVERY 18" OF VERTICAL FILL* | EVERY 350' OR DAILY (WHICHEVER IS LESS) |

\* OR AS REQUIRED BY TOWN OF CAMP VERDE

15. WHERE CULVERTS OR DRAINAGE PIPES CROSS GRAVITY SEWERS OR PRESSURE SEWERS, A MINIMUM OF TWO FEET OF VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE TWO PIPES UNLESS APPROVED BY TOWN ENGINEER.
16. WATER AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION. ALL DISTANCES ARE MEASURED PERPENDICULARLY FROM THE OUTSIDE OF THE SEWER MAIN TO THE OUTSIDE OF THE WATER MAIN. SEPARATION REQUIREMENTS ARE AS FOLLOWS:
  - A WATER MAINS AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION PER MAG STANDARD DETAIL 404, MAG SPECIFICATION 610.5, AND ARIZONA ADMINISTRATIVE CODE R18-5-502.
  - B NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND MANHOLES SHALL BE SIX FEET, MEASURED FROM THE CENTER OF THE MANHOLE.
  - C THE MINIMUM SEPARATION BETWEEN FORCE MAINS OR PRESSURE SEWERS AND WATER MAINS SHALL BE TWO FEET VERTICALLY AND SIX FEET HORIZONTALLY UNDER ALL CONDITIONS. WHERE A SEWER FORCE MAIN CROSSES ABOVE OR LESS THAN SIX FEET BELOW A WATER LINE, THE SEWER MAIN SHALL BE ENCASED IN AT LEAST SIX INCHES OF CONCRETE OR CONSTRUCTED USING MECHANICAL JOINT DUCTILE IRON PIPE FOR TEN FEET ON EITHER SIDE OF THE WATER MAIN.
  - D THE SEPARATION REQUIREMENTS DO NOT APPLY TO BUILDING, PLUMBING, OR INDIVIDUAL HOUSE SERVICE CONNECTIONS.
17. ALL MANHOLES SHALL BE 5' IN DIAMETER WITH 30" MINIMUM RINGS AND LIDS. MANHOLES AT A DEPTH OF 15' AND GREATER AND ALL MANHOLES WITHIN NON-RESIDENTIAL ROADS TO BE CONSTRUCTED OF POLYMER CONCRETE OR AS DIRECTED BY TOWN ENGINEER.
18. ALL SEWER SERVICE LATERALS REQUIRE THE INSTALLATION OF A BACKWATER VALVE AT OR AS CLOSE AS POSSIBLE TO BUILDING PERIMETER PER TOWN OF CAMP VERDE STANDARD DETAIL 440CV.
19. ALL SEWER MANHOLE CONNECTIONS SHALL BE INSTALLED WITH A GASKET, JOINT SEALER, OR WATER STOP BETWEEN THE BASE AND RISER SECTION.
20. ALL MANHOLES AND COMPONENTS SHALL BE CONSTRUCTED OF CLASS A CONCRETE IN CONFORMANCE WITH MAG STANDARD SPECIFICATION SECTION 725. IF MANHOLE IS OVER 20' IN DEPTH, POLYMER CONCRETE IS REQUIRED.
21. SEWER LINES SHALL REMAIN "PLUGGED" AT THE POINT(S) OF CONNECTION TO EXISTING LINES (OUTFALLS) UNTIL ALL PHASES OF THE PROJECT HAVE BEEN ACCEPTED BY THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF. THE PLUG SHALL BE SECURED IN PLACE TO PREVENT THE PLUG FROM ENTERING THE SEWER SYSTEM.
22. NO FLOW SHALL BE RELEASED INTO THE TOWN SANITARY SEWER UNTIL AFTER ALL TESTS HAVE BEEN PASSED AND APPROVED BY THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND THE ENGINEER'S CERTIFICATE OF COMPLETION HAS BEEN FILED AND APPROVAL OF CONSTRUCTION HAS BEEN ISSUED BY ADEQ.
23. ALL PAVEMENT REPLACEMENT SHALL CONFORM TO THE TOWN OF CAMP VERDE STD DETAIL 200CV.
24. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER OF RECORD BEFORE THE SEWER LINE IS BACKFILLED SO "AS-BUILT" MEASUREMENTS MAY BE TAKEN. ANY CHANGES TO THE APPROVED PLANS MUST BE AUTHORIZED BY THE ENGINEER OF RECORD AND THE TOWN OF CAMP VERDE TOWN ENGINEER BEFORE THE CHANGE IS MADE IN THE FIELD.
25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND FACILITIES IN ADVANCE OF CONSTRUCTION AND TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO AVOID DAMAGE TO THESE FACILITIES.
26. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AN ACCURATE SET OF "AS-BUILT" PLANS AS HARD COPIES, DIGITAL PDF, AND CAD DRAWING TO THE TOWN OF CAMP VERDE TOWN ENGINEER PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT WORK. THESE AS-BUILT PLANS SHALL ACCURATELY SHOW THE LOCATIONS OF ALL CONSTRUCTED WATERLINES, FITTINGS, VALVES, BLOCKING, AND TIE-IN POINTS WITH THEIR RELATIONSHIP TO RIGHT OF WAY BOUNDARIES, LOT LINES, OR OTHER POINTS OF SURVEY.



## TOCV STANDARD DETAIL

## WASTEWATER PLAN GENERAL NOTES

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1. WEATHER INFORMATION AND STORM PREDICTIONS CAN BE OBTAINED BY CALLING THE NATIONAL WEATHER SERVICE - FLAGSTAFF WEATHER FORECAST OFFICE AT 928.556.9161 OR BY VISITING THE NATIONAL WEATHER SERVICE WEBSITE AT HTTP: //WWW.WRH.NOAA.GOV/FGZ
2. PERMANENT EROSION CONTROL MEASURES SHALL BE INSTALLED AS AREAS ARE DETERMINED TO BE COMPLETE.
3. ALL DRAINAGE INLETS RECEIVING RUNOFF FROM DISTURBED SOIL AREAS SHALL BE PROTECTED WITH AN APPROVED SEDIMENT TRAP INLET PROTECTION MEASURE OR BMP.
4. A COPY OF THE APPROVED GRADING & DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP), SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW AT ALL TIMES. THOSE ELEMENTS OF THE GRADING & DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE CONSIDERED A PART OF THE SWPPP.
5. THE NOTICE OF INTENT (NOI) SHALL BE COMPLETED AND SUBMITTED TO THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AND THE TOWN OF CAMP VERDE AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND RELATED RECORDS SHALL BE MADE AVAILABLE UPON REQUEST TO THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AND THE TOWN OF CAMP VERDE.
7. THE OWNER OR DESIGNATED CONTRACTOR SHALL AMEND THIS PLAN AS RAINFALL EVENTS, DESIGN CHANGES AND CONSTRUCTION METHODS DICTATE. ALL MODIFICATIONS TO THIS PLAN SHALL BE SUBMITTED TO THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT FOR REVIEW AND ACCEPTANCE PRIOR TO IMPLEMENTATION.
8. THE IMPLEMENTATION OF THESE PLANS, AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADES OF THESE FACILITIES IS THE RESPONSIBILITY OF THE OWNER OR DESIGNATED CONTRACTOR UNTIL ALL CONSTRUCTION HAS BEEN APPROVED AND A NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED TO THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AND THE TOWN OF CAMP VERDE.
9. THE FACILITIES SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT LEAVE THE PROJECT SITE, ENTER INTO THE DRAINAGE SYSTEM, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. ADDITIONALLY, THE FACILITIES SHALL BE INSTALLED AND OPERATIONAL PRIOR TO ANY GRADING OR LAND CLEARING ACTIVITIES.
10. WHEN POSSIBLE, MAINTAIN ANY NATURALLY OCCURRING VEGETATION AS A SILT CONTROL BEST MANAGEMENT PRACTICE (BMP).
11. THE CONTRACTOR TO WHOM THE 'AT-RISK'/FINAL GRADING & DRAINAGE PERMIT WILL BE ISSUED SHALL HAVE THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ISSUED IN THEIR NAME.
12. THE NOTICE OF INTENT (NOI), THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PROVIDED TO THE TOWN OF CAMP VERDE BEFORE THE GRADING & DRAINAGE PERMIT WILL BE ISSUED.
13. THE OWNER OR DESIGNATED CONTRACTOR OF THE PROJECT SHALL ALSO MAINTAIN RECORDS WITH THE FOLLOWING INFORMATION:
  - A) THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN A PARTICULAR AREA.
  - B) THE DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN A PARTICULAR AREA (TEMPORARILY OR PERMANENTLY).
  - C) THE DATES WHEN AN AREA IS STABILIZED (TEMPORARILY OR PERMANENTLY).
  - D) THE DATES OF ANY MAINTENANCE, REPLACEMENT, OR REMOVAL OF REQUIRED BMP'S HAS OCCURRED.
14. ONCE THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS MET THE FINAL STABILIZATION REQUIREMENTS OF THE PERMIT, THE AUTHORIZED SITE REPRESENTATIVE SHALL FILE A NOTICE OF TERMINATION (NOT) WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AND PROVIDE A COPY TO THE TOWN OF CAMP VERDE.
15. THE PERMITTEE SHALL MAINTAIN ALL RECORDS ON FILE, INCLUDING THE NOTICE OF INTENT (NOI), THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE NOTICE OF TERMINATION (NOT), AND ANY AND ALL INSPECTION REPORTS FOR A MINIMUM OF THREE (3) YEARS FROM THE FILING DATE OF THE NOTICE OF TERMINATION (NOT).
16. THE OUTLETS OF ALL SEDIMENT BASINS, TRAPS, AND LOCATIONS OF ARTIFICIALLY CONCENTRATED FLOW SHALL BE PROVIDED WITH OUTLET PROTECTION TO PREVENT EROSION AND SCOUR.
17. THOSE RESPONSIBLE FOR SWPPP PREPARATION, IMPLEMENTATION AND PERMIT COMPLIANCE SHALL BE PROPERLY TRAINED, AND SHALL ATTEND THE PRE-CONSTRUCTION MEETING.
18. A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR BE DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF FIFTY (50) FEET FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER (6.0 MIL MINIMUM THICKNESS) TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF OFF-SITE AT AN APPROVED DISPOSAL FACILITY.
19. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON-SITE FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER AND SEWER UTILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.
20. SEDIMENT AND EROSION CONTROLS MAY BE REMOVED ONLY WHEN CONTRIBUTORY UPSTREAM AREAS BECOME STABILIZED OR ARE MANAGED UPSTREAM AND AS LONG AS SEDIMENT LADEN RUNOFF WILL NOT DISCHARGE FROM THE SITE.
21. THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH A NEW NOTICE OF INTENT (NOI), SWPPP, AND PERMIT.



## TOCV STANDARD DETAIL

## STORM WATER POLLUTION PREVENTION NOTES

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1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLANS FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THE STORM WATER POLLUTION PREVENTION PLANS, SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED A PART OF THE SWPPP.
2. THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT AND INSPECTION STAFF SHALL BE NOTIFIED 48 HOURS BEFORE ANY ON-SITE AND/OR OFF-SITE CONSTRUCTION BEGINS, AT (928) 554-0823.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DUST CONTROL MEASURES. THE CONTRACTOR SHALL ONLY USE RECLAIMED WATER FOR COMPACTION AND DUST CONTROL. RECLAIMED WATER PURCHASE IS AVAILABLE BY CONTACTING THE TOWN OF CAMP VERDE UTILITIES DEPARTMENT (928) 554-0823.
4. THE CONTRACTOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY MONTH AND WITHIN 24 HOURS OF A RAINFALL GREATER THAN OR EQUAL TO A HALF OF AN INCH OR MORE. THE CONTRACTOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWMP CONTROLS AND NOTE ANY PROBLEM AREAS. THE CONTRACTOR'S REPORT IS TO BE SUBMITTED TO THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT, INSPECTION STAFF, FOR REVIEW AND APPROVAL. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. THE CONTRACTOR SHALL AMEND THE SWPPP AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS, WHICH BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS.
6. THE PERMITTEE SHALL FILE A NOTICE OF TERMINATION (N.O.T.) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE N.O.T. IS TO BE SUBMITTED TO THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT. THE N.O.T. IS NOT TO BE FILED UNTIL FINAL ACCEPTANCE OF WORK HAS BEEN GRANTED BY THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT.
7. THE PERMITTEE SHALL SAVE ALL RECORDS, INCLUDING THE N.O.I., SWMP, N.O.T., AND INSPECTION REPORTS ON FILE FOR A MINIMUM OF THREE YEARS FROM THE DATE OF FILING THE N.O.T.
8. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE N.O.T. IS SUBMITTED TO THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT, INSPECTION STAFF.
9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND OPERATIONAL PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
10. PLAN APPROVAL IS FOR 180 DAYS. PRIOR TO PLAN APPROVAL EXPIRATION, ALL ASSOCIATED PERMITS SHALL BE PURCHASED OR THE PLANS SHALL BE RESUBMITTED FOR EXTENSION OF PLAN APPROVAL.
11. IN AREAS REQUIRING SEEDING AS NOTED ON THESE APPROVED PLANS THE CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS GIVEN IN SECTION 805 OF THE ADOT STANDARD SPECIFICATIONS.
12. ALL LANDSCAPE PROJECTS REQUIRING TOWN MAINTENANCE OR WITHIN THE TOWN RIGHT-OF-WAY SHALL BE INSPECTED FOR THE FOLLOWING:
  - A. PLANT LOCATIONS: THESE LOCATIONS SHALL BE STAKED IN THE FIELD WITH IDENTIFICATION AS TO TREES OR SHRUBS; OR HOLES FOR THE PLANT MATERIALS MAY BE DUG WITH IDENTIFICATION OF PLANT TYPE. USE OF THIS METHOD DOES NOT RELIEVE THE CONTRACTOR OF ANY PLANT RELOCATIONS MADE BY THE TOWN.
  - B. IRRIGATION INSTALLATION: INSPECTIONS SHALL BE MADE AT THE POINT THE IRRIGATION SYSTEM IS INSTALLED. INSPECTIONS OF THE PIPE DEPTH, AUTOMATIC VALVE INSTALLATION AND EMITTER/SPRAY INSTALLATIONS WILL BE MADE.
  - C. SUBSTANTIAL COMPLETION: AN INSPECTION AT COMPLETION OF THE LANDSCAPE AND IRRIGATION INSTALLATION WILL BE MADE. ANY DEFICIENCIES IN THE INSTALLATION WILL BE NOTED AND CORRECTED BY THE CONTRACTOR DURING THE MAINTENANCE PERIOD.
  - D. FINAL ACCEPTANCE: A FINAL INSPECTION IS REQUIRED PRIOR TO TOWN ACCEPTANCE OF THE LANDSCAPE AND IRRIGATION IMPROVEMENTS. THE ABOVE INSPECTIONS REQUIRE A MINIMUM OF 48-HOURS PRIOR NOTIFICATION TO THE TOWN. CALL THE TOWN OF CAMP VERDE ENGINEERING DEPARTMENT, INSPECTION STAFF AT (928) 554-0823 TO ARRANGE FOR THESE INSPECTIONS.
13. ALL PLANTINGS AT MATURITY SHALL MAINTAIN A MINIMUM 6'-0" CLEARANCE AROUND ALL FIRE HYDRANTS AND FIRE SUPPRESSION DEVICES.
14. ALL PLANTING AREAS (EXCEPT TURF AREAS) TO BE MAINTAINED BY THE TOWN SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE BY A LICENSED APPLICATOR PRIOR TO AND AFTER THE PLACEMENT OF THE DECOMPOSED GRANITE, RIVER ROCK ETC. APPLICATION DOCUMENTATION WILL BE REQUIRED PRIOR TO ACCEPTANCE OF THE LANDSCAPING BY THE TOWN.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION, MODIFICATION, AND PROPER MAINTENANCE OF THE EROSION CONTROL DEVICES AS NECESSARY. IN THE EVENT OF FAILURE OR REFUSAL TO PROPERLY MAINTAIN SAID DEVICES, THE TOWN ENGINEER MAY CAUSE EMERGENCY MAINTENANCE WORK TO BE DONE TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY, THE COST (INCLUDING AN INITIAL MOBILIZATION AMOUNT) SHALL BE CHARGED TO THE CONTRACTOR.
16. ALL EROSION CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO SAFELY DISCHARGE ANY ACCELERATED RUNOFF GENERATED BY THE PROJECT SHALL BE INSTALLED DURING THE INITIAL CONSTRUCTION PHASE OF THE PROJECT.
17. THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL SYSTEMS SHALL BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED EROSION CONTROL PLAN.
18. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES AS RECOMMENDED BY THE ENGINEER OF RECORD AND AS APPROVED BY THE TOWN ENGINEER.



## TOCV STANDARD DETAIL

## EROSION AND SEDIMENT CONTROL NOTES

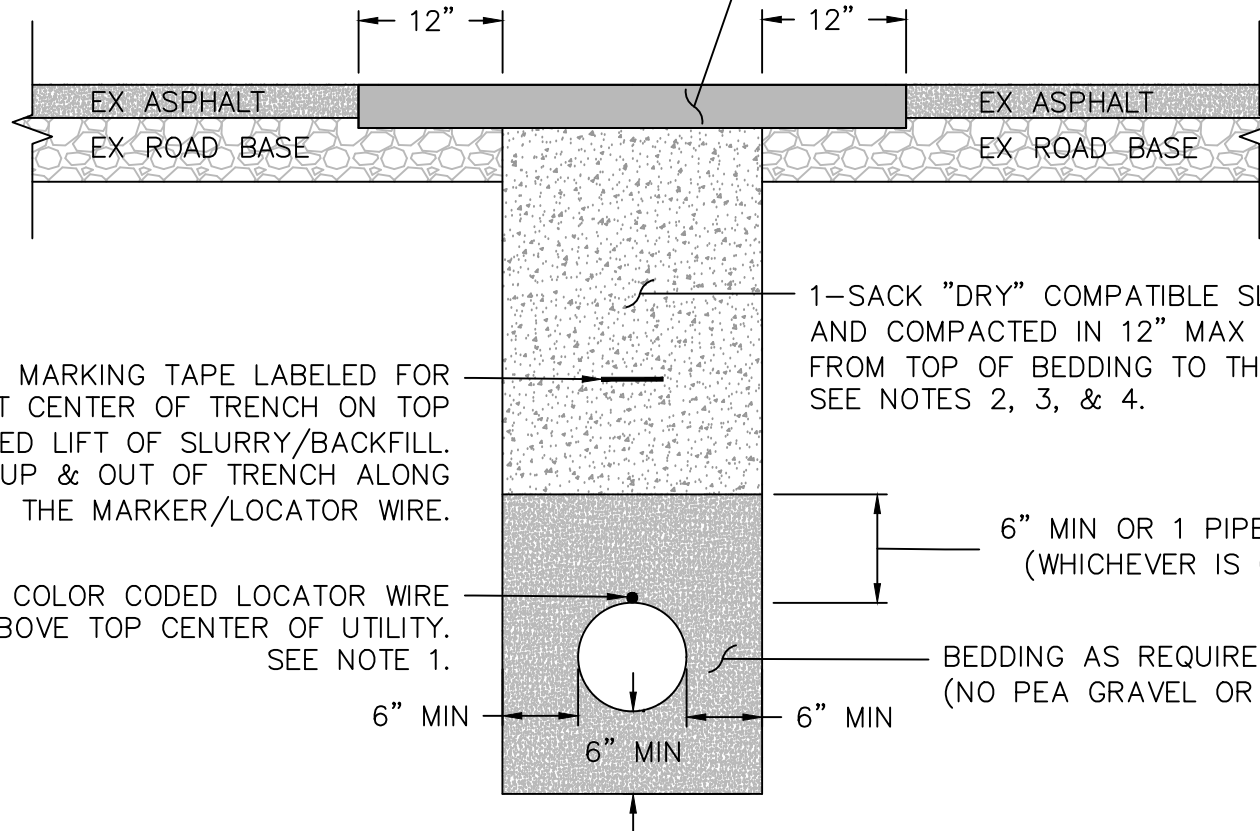
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8/1/2024

DETAIL No:  
109CV-1

19. ALL REMOVABLE PROTECTION DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 25-PERCENT.
20. EROSION CONTROL SYSTEMS SHALL BE SERVICED AND MAINTAINED TO PROVIDE CONTINUOUS TOWN AND ADEQUACY TO FUNCTION AS DESIGNED. AFTER PRECIPITATION EXCEEDING ONE QUARTER (1/4) INCH IN ANY 12-HOUR PERIOD, OR UPON DIRECTION OF THE TOWN ENGINEER, SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS AND DESILTING BASINS AND THE BASINS PUMPED DRY AND OTHERWISE RESTORED TO THE ORIGINAL DESIGN CONDITION.
21. DESILTING BASINS CONSTRUCTED OF COMPACTED EARTH SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90 PERCENT OF MAXIMUM DENSITY. A SOIL ENGINEERING REPORT INCLUDING THE TYPE OF FIELD TESTING PERFORMED, LOCATION AND RESULTS OF TESTING SHALL BE SUBMITTED TO THE TOWN ENGINEER FOR APPROVAL UPON COMPLETING THE DESILTING BASIN.
22. EROSION CONTROL PROVISIONS SHALL INCLUDE AND COMPLEMENT DRAINAGE PATTERNS DURING THE CURRENT AND FUTURE PHASES OF GRADING THROUGHOUT THE RAINY SEASON.
23. PAVED STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS SHALL BE MAINTAINED IN A NEAT AND CLEAN CONDITION, FREE OF LOOSE SOIL, CONSTRUCTION DEBRIS, AND TRASH. STREET SWEEPING OR OTHER EQUALLY EFFECTIVE MEANS SHALL BE USED ON A REGULAR BASIS TO CONTROL EROSION. WATERING SHALL NOT BE USED TO CLEAN STREETS EXCEPT FOR THE REMOVAL OF FINE MATERIAL NOT OTHERWISE REMOVED BY SWEEPING OR OTHER MECHANICAL MEANS.
24. STAND-BY CREWS SHALL BE ALERTED BY THE CONTRACTOR OR OWNER FOR EMERGENCY WORK DURING RAINSTORMS.
25. ALL UTILITY TRENCHES SHALL BE BACKFILLED WITHIN 24 HOURS AND MUST BE BACKFILLED BEFORE THE END OF THE WORK DAY IF A 25-PERCENT CHANCE OF RAIN IS PREDICTED.
26. A GRAVEL BAG SILT BASIN OR TRAP SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
27. ALL EROSION CONTROL PLANS MUST PROVIDE A 24-HOUR TELEPHONE NUMBER AND THE NAME(S) OF THE PERSON(S) RESPONSIBLE FOR EMERGENCY WORK. A TELEPHONE ANSWERING MACHINE OR ANSWERING SERVICE IS UNACCEPTABLE.
28. OWNER/CONTRACTOR SHALL USE APPLICABLE BEST MANAGEMENT PRACTICES (BMP'S) AS CONTAINED IN THE ADOT EROSION AND POLLUTION CONTROL MANUAL. OTHER BMP'S MAY BE CITED AND USED PROVIDED SUFFICIENT DETAIL IS CONTAINED IN THE SWPPP OR APPROVED EROSION CONTROL PLAN.
29. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE PRIOR TO THE ARRIVAL OF THE RAINY SEASON.
30. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE TOWN ENGINEER.
31. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
32. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMP AS WELL AS ANY CORRECTIVE CHANGES TO THE BMP'S OR EROSION AND SEDIMENT CONTROL PLAN.
33. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE.
34. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
35. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS: SOLID WASTE MANAGEMENT: PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP, OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY. MATERIAL DELIVERY AND STORAGE: PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. CONCRETE WASTE: PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE TOWN STORM DRAINS. CONTRACTOR SHALL INSPECT DAILY TO CONTROL RUNOFF AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE. VEHICLE FUELING, MAINTENANCE, AND CLEANING: PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY. HAZARDOUS MATERIALS MANAGEMENT: PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS MATERIALS TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
36. MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
  - A. REPAIR DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION AT THE END OF EACH WORKING DAY.
  - B. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
  - C. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
  - D. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1 FOOT.
  - E. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
  - F. RILLS AND GULLIES MUST BE REPAIRED.
37. CONTROL MEASURES REQUIRING MAINTENANCE OR ADJUSTMENT SHALL BE REPAIRED IMMEDIATELY AFTER OBSERVATION OF THE FAILING CONTROL MEASURE.
38. SAND BAG INLET PROTECTION SHALL BE CLEANED OUT WHENEVER SEDIMENT DEPTH IS ONE HALF THE HEIGHT OF ONE SAND BAG.
39. REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER, OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY, OR OTHER PUBLIC PLACE. SHOULD ANY BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC OR ADJACENT PROPERTY, IMMEDIATE REMEDY SHALL OCCUR.
40. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO AN STORM DRAINAGE SYSTEMS, INCLUDING EXISTING DRAINAGE SWALES AND WATERCOURSES.
41. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE COMPLIED WITH.

INITIAL SAW-CUT (TYP BOTH SIDES). ADD NEW SAW-CUT 12" OUT WHEN TRENCH WORK IS COMPLETED TO AVOID DAMAGE TO REPAIR EDGE. TACK-COAT ALL REPAIR EDGES BEFORE PLACING ASPHALT (TYP).

3" MIN ASPHALTIC CONCRETE (AC) PATCH OR MATCH EX AC THICKNESS (WHICHEVER IS GREATER). SEE SHOULDER NOTE BELOW



INSTALL DETECTABLE MARKING TAPE LABELED FOR PRESENT UTILITY AT CENTER OF TRENCH ON TOP OF FIRST COMPACTED LIFT OF SLURRY/BACKFILL. TAPE SHALL TRAVEL UP & OUT OF TRENCH ALONG WITH THE MARKER/LOCATOR WIRE.

INSTALL #12 COLOR CODED LOCATOR WIRE IMMEDIATELY ABOVE TOP CENTER OF UTILITY. SEE NOTE 1.

1-SACK "DRY" COMPATIBLE SLURRY PLACED AND COMPACTED IN 12" MAX UNIFORM LIFTS FROM TOP OF BEDDING TO THE SURFACE (TYP). SEE NOTES 2, 3, & 4.

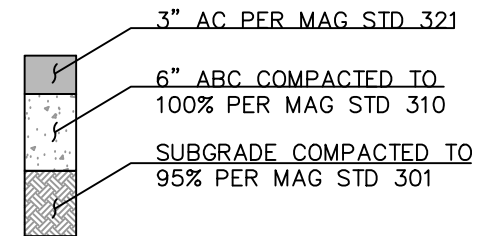
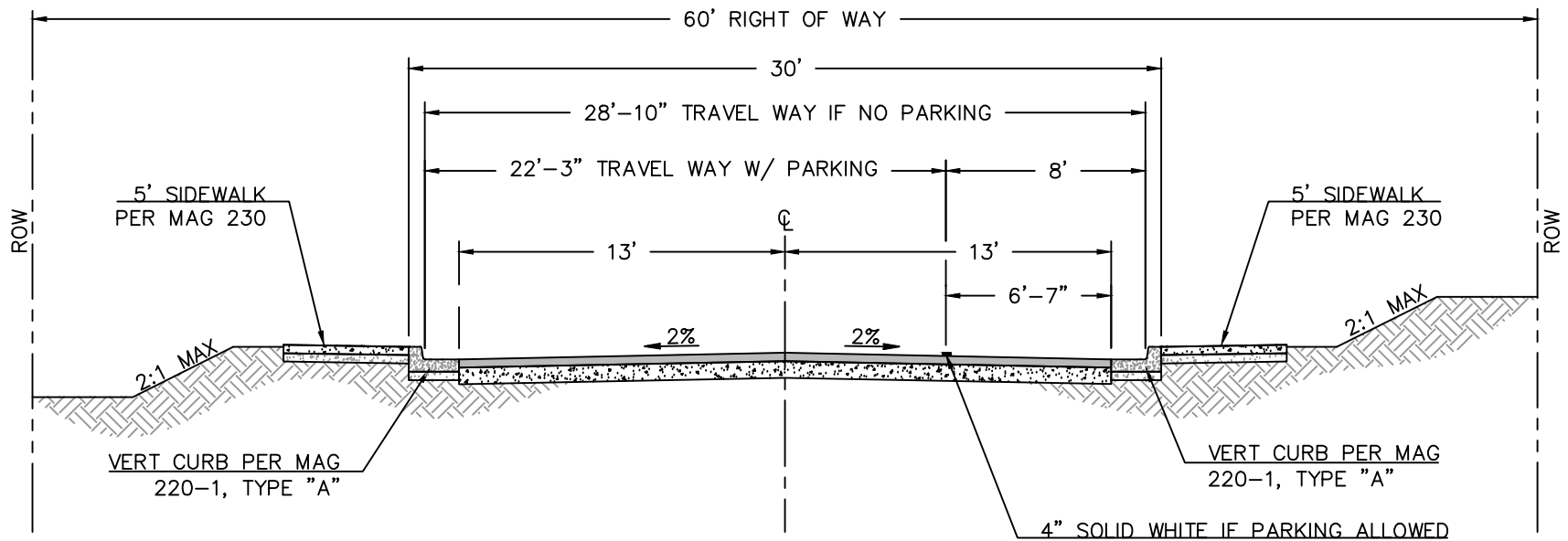
6" MIN OR 1 PIPE DIAMETER (WHICHEVER IS GREATER)

BEDDING AS REQUIRED BY UTILITY (NO PEA GRAVEL OR CHIPS).

6" MIN 6" MIN 6" MIN

#### NOTES

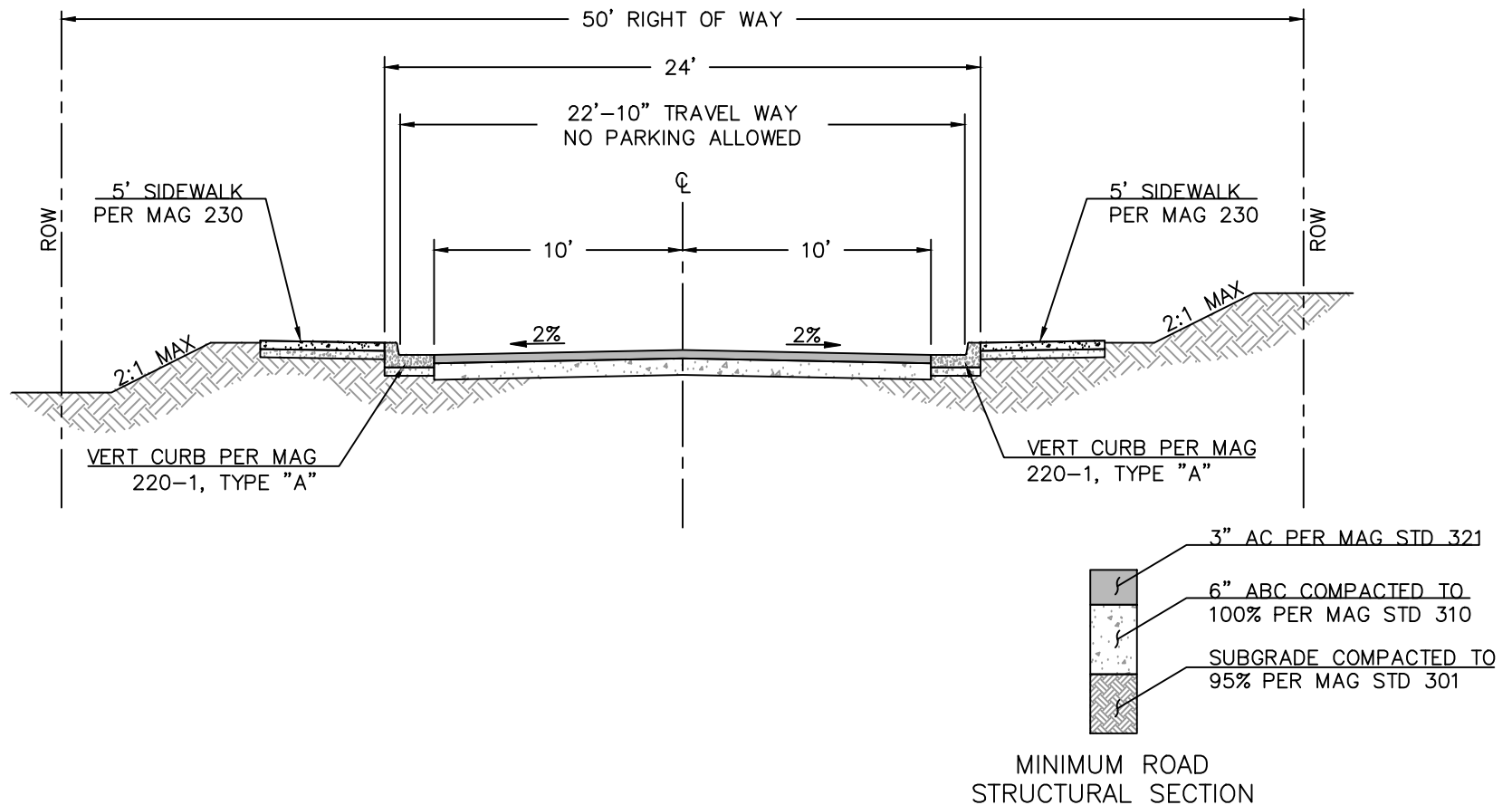
1. MARKER WIRE SHALL BE TAPED TO PIPE EVERY 6'. LOOP UP TO SURFACE AT ALL MANHOLES, STUB-OUTS, SERVICE BOXES, CLEANOUTS, BLOW-OFFS, VAULTS, RISERS, ETC.
2. REMOVE SLURRY AS REQUIRED TO PLACE ASPHALT.
3. IF TRENCH (INCLUDING CROSS-TRENCH ENDS) IS WITHIN 4' OF THE PAVEMENT EDGES, TRENCH SHALL BE BACKFILLED WITH THE SAME COMPACTED SLURRY AS CALLED OUT ABOVE TO WITHIN 4" OF THE SURFACE. FILL LAST 4" TO SURFACE WITH NATIVE SOILS.
4. DURING NEW CONSTRUCTION OR IF TRENCH IS FURTHER THAN 4' FROM PAVEMENT EDGE, SLURRY IS NOT REQUIRED. TRENCH MAY BE BACKFILLED WITH NATIVE OR SELECT SOIL AND COMPACTED TO 95% PER MAG STD 601.



MINIMUM ROAD  
STRUCTURAL SECTION

#### NOTES

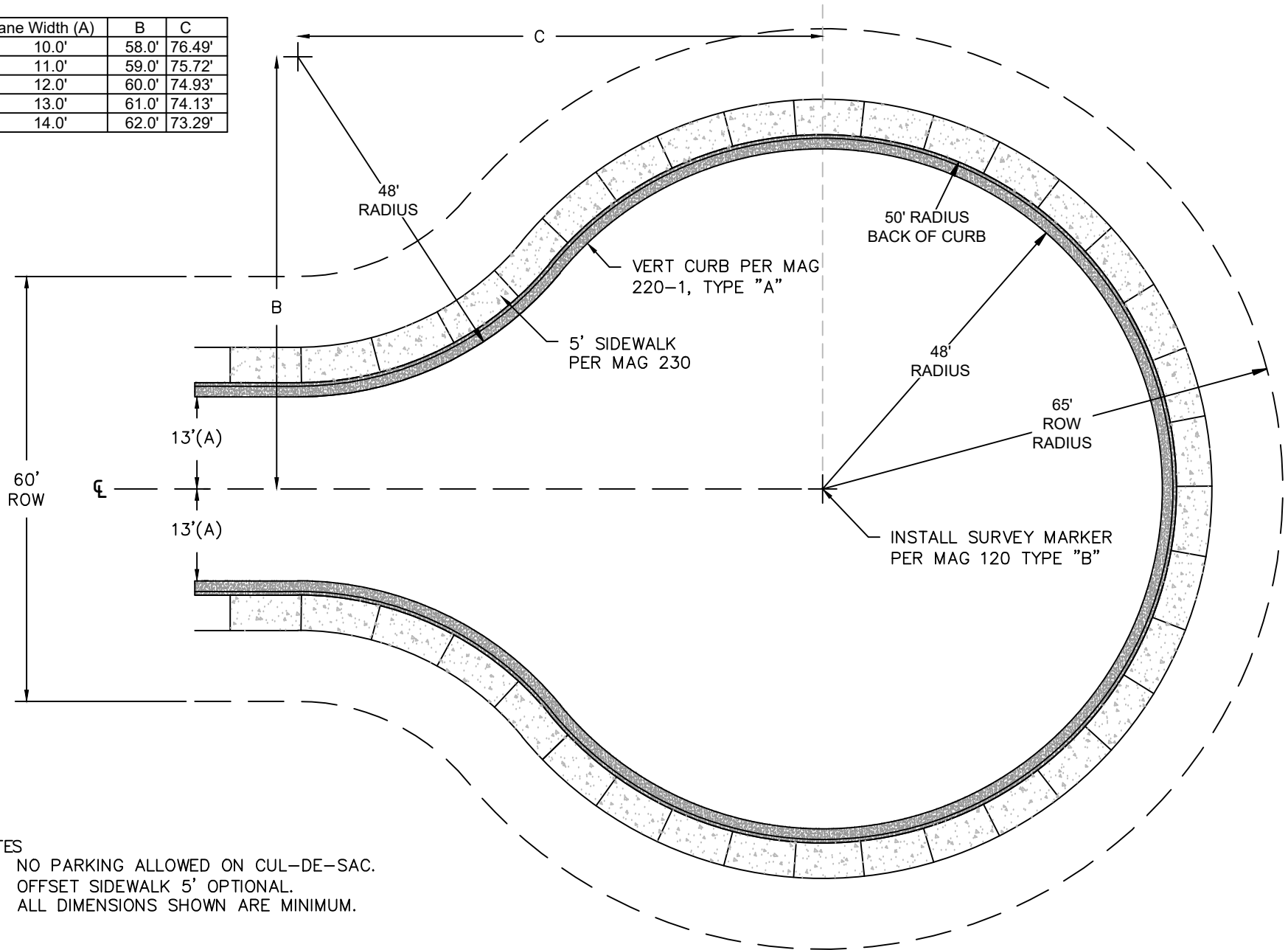
1. WHEN STREET PARKING ALLOWED, NO PARKING TO BE POSTED ON ONE SIDE OF ROADWAY.
2. ROAD STRUCTURAL SECTION TO BE DETERMINED BY GEOTECHNICAL ENGINEER BUT NOT LESS THAN MINIMUM PER THIS DETAIL.
3. ALL SUBGRADE BELOW ROADWAY, SIDEWALK, CURB, AND GUTTER TO BE COMPACTED TO 95%.
4. 4" AB COMPACTED TO 100% TO BE PLACED UNDER ROADWAY, CURB, GUTTER, AND SIDEWALK.
5. ALL DIMENSIONS SHOWN ARE MINIMUM.



#### NOTES

1. NO PARKING TO BE POSTED ON BOTH SIDES OF ROADWAY.
2. ROAD STRUCTURAL SECTION TO BE DETERMINED BY GEOTECHNICAL ENGINEER BUT NOT LESS THAN MINIMUM PER THIS DETAIL.
3. ALL SUBGRADE BELOW ROADWAY, SIDEWALK, CURB, AND GUTTER TO BE COMPACTED TO 95%.
4. 4" AB COMPACTED TO 100% TO BE PLACED UNDER ROADWAY, CURB, GUTTER, AND SIDEWALK.
5. ALL DIMENSIONS SHOWN ARE MINIMUM.

| Lane Width (A) | B     | C      |
|----------------|-------|--------|
| 10.0'          | 58.0' | 76.49' |
| 11.0'          | 59.0' | 75.72' |
| 12.0'          | 60.0' | 74.93' |
| 13.0'          | 61.0' | 74.13' |
| 14.0'          | 62.0' | 73.29' |



#### NOTES

1. NO PARKING ALLOWED ON CUL-DE-SAC.
2. OFFSET SIDEWALK 5' OPTIONAL.
3. ALL DIMENSIONS SHOWN ARE MINIMUM.

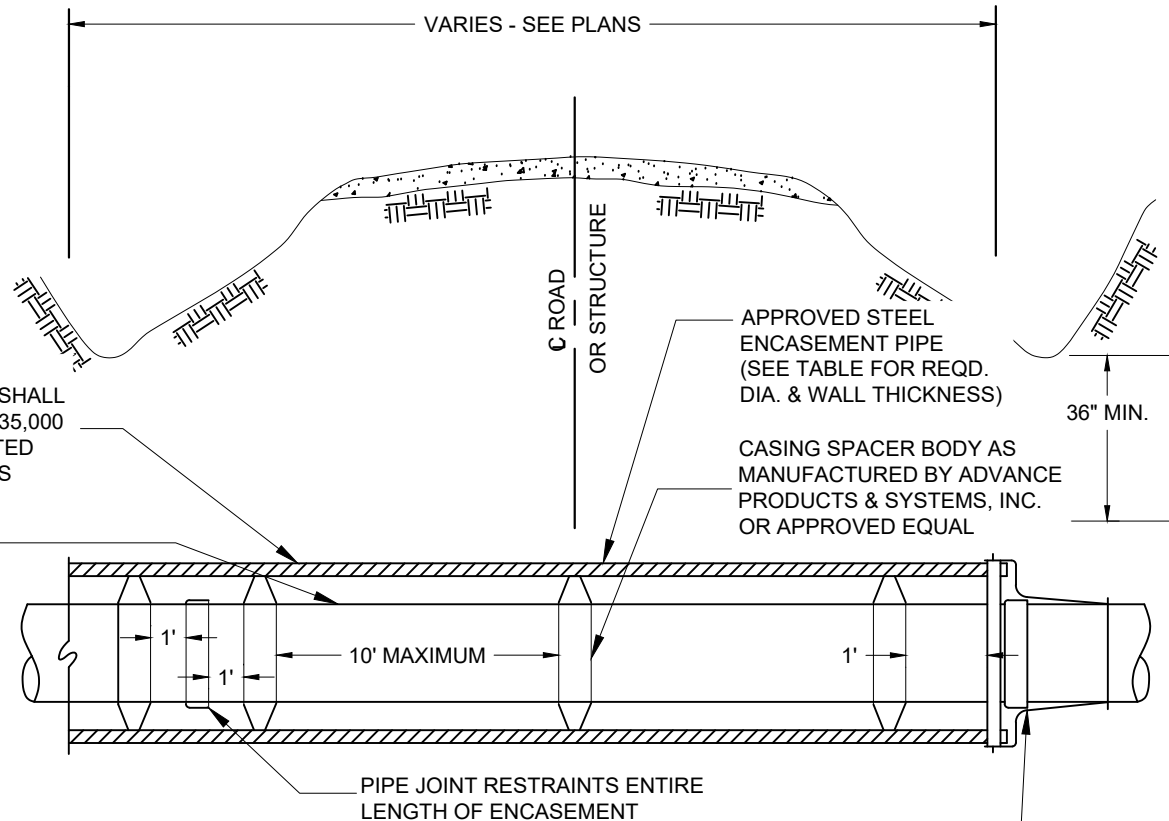
| CARRIER<br>PIPE SIZE (IN) | STEEL ENCASEMENT |                     |
|---------------------------|------------------|---------------------|
|                           | O.D. (IN MIN)    | WALL THICKNESS (IN) |
| 6                         | 14               | 1/4                 |
| 8                         | 18               | 1/4                 |
| 12                        | 21               | 1/4                 |
| 18                        | 27               | 3/8                 |
| 21                        | 30               | 3/8                 |
| 24                        | 36               | 3/8                 |
| 27                        | 39               | 1/2                 |

MINIMUM ENCASEMENT WITHIN ADOT ROW: 36"

STEEL ENCASEMENT PIPE SHALL BE WELDED PER ASTM A53-GRADE B AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 35,000 PSI. EXTERIOR OF PIPE SHALL BE COATED WITH COAL TAR EPOXY OR BITUMINOUS ASPHALT.

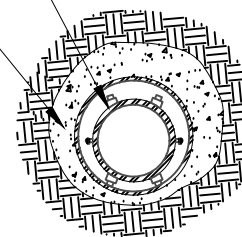
CARRIER PIPE SHALL BE DUCTILE IRON PIPE (DIP)

1. FOR ALL CARRIER PIPE OVER 27" THE STEEL ENCASEMENT PIPE SHALL BE 12" LARGER THAN THE CARRIER PIPE AND THE STEEL ENCASEMENT WALL THICKNESS SHALL BE 1/2"



STAINLESS STEEL BAND CASING SPACERS  
MODEL SSI BY ADVANCE PRODUCTS &  
SYSTEMS, INC. OR APPROVED EQUAL  
PRESSURE GROUT BETWEEN CASING  
AND SURROUNDING EARTH

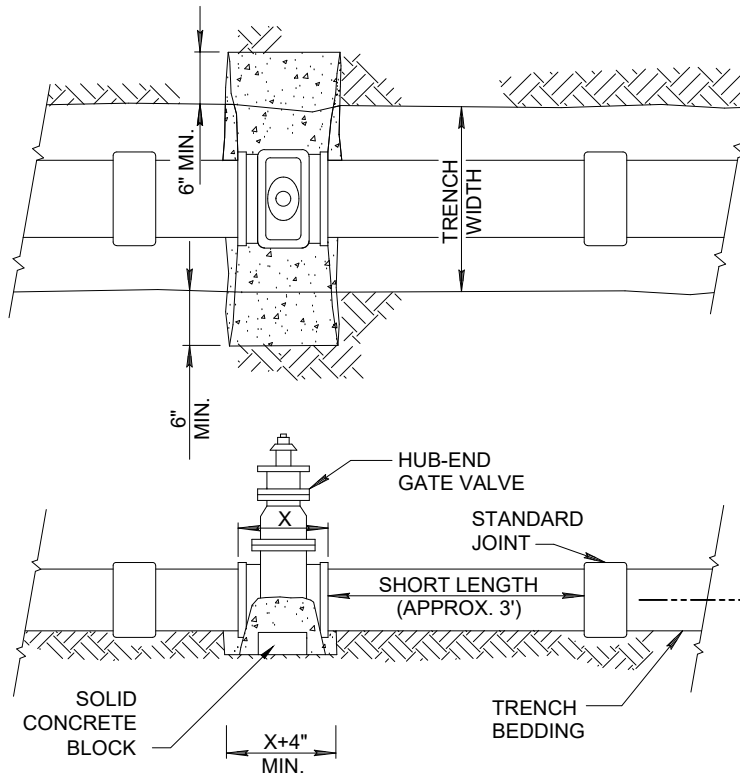
SEAL ENDS OF PIPE CASING WITH  
ADVANCE PRODUCTS & SYSTEMS, INC  
MODEL AC SEALS OR APPROVED EQUAL



**END VIEW**

## NOTES:

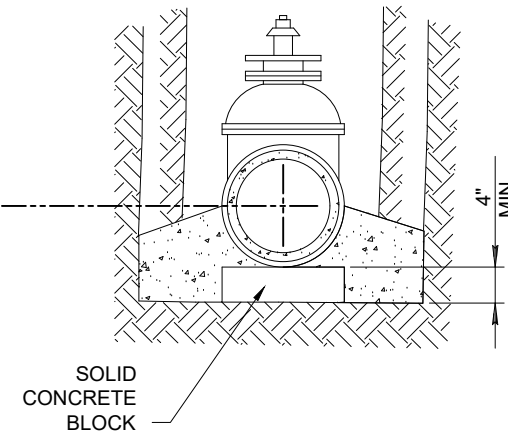
1. ALL FITTINGS SHALL BE RESTRAINED WITH FIELD LOC GASKETS OR APPROVED EQUAL
2. ALL BELLS SHOULD BE PROTECTED WITH MEGA-STOP SERIES 5000 BELL PROTECTION OR APPROVED EQUAL.
3. 1" MAXIMUM BETWEEN SPACERS AND CASING PIPE
4. INSTALLATION SHALL BE IN ACCORDANCE WITH ADVANCE PRODUCTS & SYSTEMS, INC. RECOMENDATIONS OR APPROVED EQUAL.
5. TRACE WIRE PER AGENCY SPECIFICATIONS.
6. NO PIPE SHALL BE SUPPORTED BY BELL

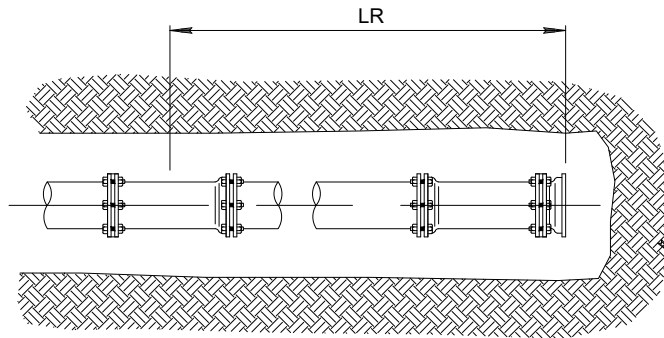


GATE VALVE

NOTES:

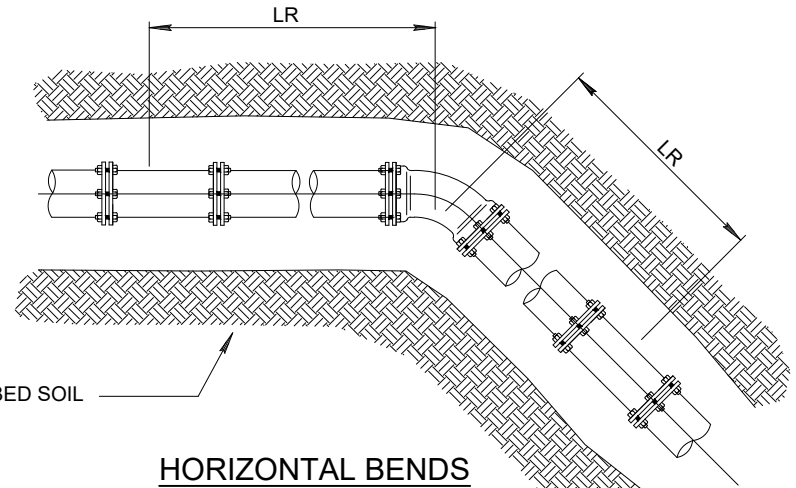
1. REFER TO TOWN OF CAMP VERDE UTILITIES DEPARTMENT FOR VALVE BOX, COVER AND VALVE STABILIZER REQUIREMENTS.
2. ALL BOLTS AND JOINTS SHALL BE FREE AND CLEAR OF CONCRETE.
3. PROTECT ALL CONCRETE CONTACT AREAS WITH 8 MIL SHEET PLASTIC.
4. CLASS "B" CONCRETE AS PER MAG SECT. 725. FORM AS REQUIRED TO KEEP CLEAR OF JOINTS.



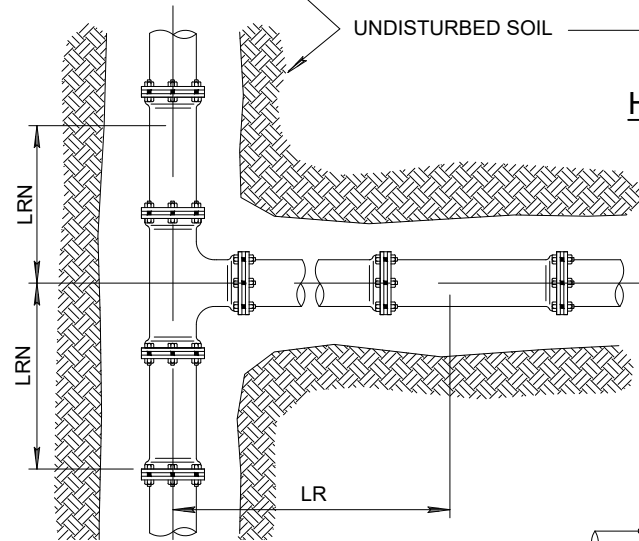


**DEAD ENDS**

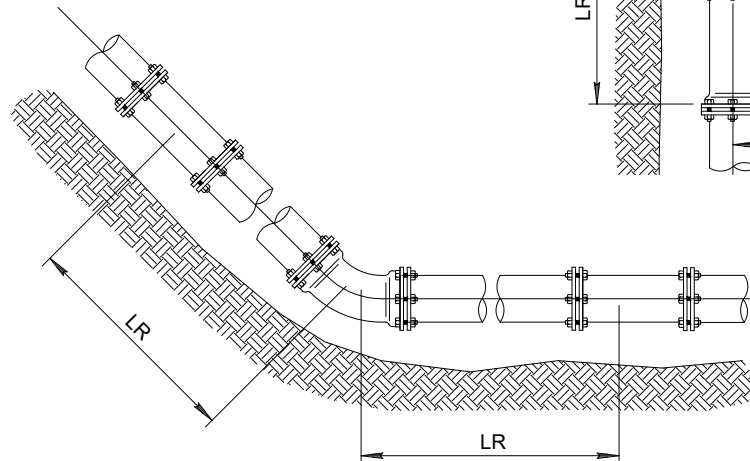
LRN = SHORTEST LENGTH OF PIPE RESTRAINED TO THE RUN OF THE TEE FITTING (BOTH SIDES OF TEE).



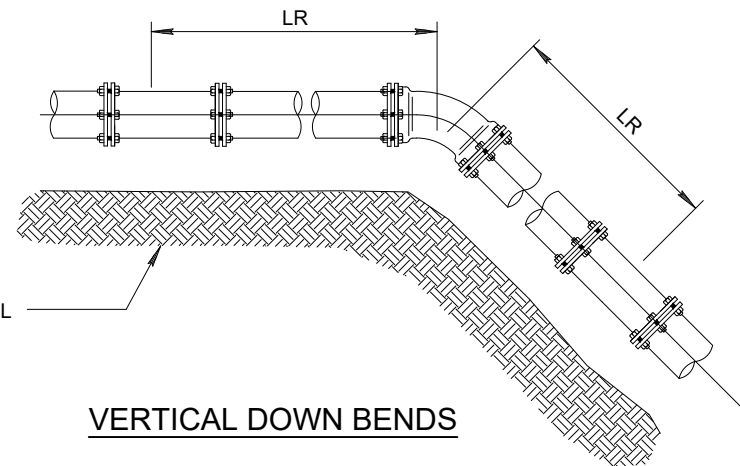
**HORIZONTAL BENDS**



**TEES**



**VERTICAL UP BEND**



**VERTICAL DOWN BENDS**

UNDISTURBED SOIL

UNDISTURBED SOIL

| RESTRAINED LENGTHS, LR, FOR DUCTILE IRON PIPE |                  |     |         |        |         |                   |            |                   |            |                       |            |                             |
|-----------------------------------------------|------------------|-----|---------|--------|---------|-------------------|------------|-------------------|------------|-----------------------|------------|-----------------------------|
| NOMINAL<br>PIPE SIZE<br>INCHES                | HORIZONTAL BENDS |     |         | TEES   |         | VERTICAL OFFSETS  |            |                   |            |                       |            | VALVES<br>&<br>DEAD<br>ENDS |
|                                               |                  |     |         |        |         | 90° BEND FITTINGS |            | 45° BEND FITTINGS |            | 22-1/2° BEND FITTINGS |            |                             |
|                                               | 90°              | 45° | 22-1/2° | LRN=0' | LRN=10' | DOWN<br>BEND      | UP<br>BEND | DOWN<br>BEND      | UP<br>BEND | DOWN<br>BEND          | UP<br>BEND |                             |
|                                               | 4                | 18  | 7       | 4      | 30      | 8                 | 31         | 18                | 13         | 7                     | 6          |                             |
| 6                                             | 25               | 10  | 5       | 43     | 20      | 44                | 25         | 18                | 10         | 9                     | 5          | 44                          |
| 8                                             | 32               | 13  | 6       | 56     | 34      | 58                | 32         | 24                | 13         | 11                    | 6          | 58                          |
| 10                                            | 38               | 16  | 8       | 68     | 45      | 69                | 38         | 29                | 16         | 14                    | 8          | 69                          |
| 12                                            | 45               | 19  | 9       | 80     | 57      | 81                | 45         | 34                | 19         | 16                    | 9          | 81                          |
| 14                                            | 51               | 21  | 10      | 91     | 68      | 92                | 51         | 38                | 21         | 18                    | 10         | 92                          |
| 16                                            | 57               | 24  | 11      | 103    | 79      | 104               | 57         | 43                | 24         | 21                    | 11         | 104                         |
| 18                                            | 62               | 26  | 12      | 113    | 90      | 115               | 62         | 48                | 26         | 23                    | 12         | 115                         |
| 20                                            | 68               | 28  | 14      | 125    | 100     | 126               | 68         | 52                | 28         | 25                    | 14         | 126                         |
| 24                                            | 79               | 33  | 16      | 145    | 121     | 147               | 79         | 61                | 33         | 29                    | 16         | 147                         |

| RESTRAINED LENGTHS, LR, FOR DUCTILE IRON PIPE WITH POLYETHYLENE WRAP OR PVC |                  |     |         |        |         |                   |            |                   |            |                       |            |                             |
|-----------------------------------------------------------------------------|------------------|-----|---------|--------|---------|-------------------|------------|-------------------|------------|-----------------------|------------|-----------------------------|
| NOMINAL<br>PIPE SIZE<br>INCHES                                              | HORIZONTAL BENDS |     |         | TEES   |         | VERTICAL OFFSETS  |            |                   |            |                       |            | VALVES<br>&<br>DEAD<br>ENDS |
|                                                                             |                  |     |         |        |         | 90° BEND FITTINGS |            | 45° BEND FITTINGS |            | 22-1/2° BEND FITTINGS |            |                             |
|                                                                             | 90°              | 45° | 22-1/2° | LRN=0' | LRN=10' | DOWN<br>BEND      | UP<br>BEND | DOWN<br>BEND      | UP<br>BEND | DOWN<br>BEND          | UP<br>BEND |                             |
|                                                                             | 4                | 26  | 11      | 5      | 69      | 18                | 72         | 26                | 30         | 11                    | 14         |                             |
| 6                                                                           | 36               | 15  | 7       | 99     | 47      | 102               | 36         | 42                | 15         | 20                    | 7          | 102                         |
| 8                                                                           | 47               | 19  | 9       | 130    | 78      | 133               | 47         | 55                | 19         | 26                    | 9          | 133                         |
| 10                                                                          | 56               | 23  | 11      | 157    | 103     | 159               | 56         | 66                | 23         | 32                    | 11         | 159                         |
| 12                                                                          | 65               | 27  | 13      | 185    | 131     | 187               | 65         | 77                | 27         | 37                    | 13         | 187                         |
| 14                                                                          | 74               | 31  | 15      | 211    | 156     | 214               | 74         | 89                | 31         | 42                    | 15         | 214                         |
| 16                                                                          | 82               | 34  | 16      | 238    | 183     | 241               | 82         | 100               | 34         | 48                    | 16         | 241                         |
| 18                                                                          | 90               | 37  | 18      | 263    | 207     | 266               | 90         | 110               | 38         | 53                    | 18         | 266                         |
| 20                                                                          | 98               | 41  | 20      | 289    | 233     | 292               | 98         | 121               | 41         | 58                    | 20         | 292                         |
| 24                                                                          | 113              | 47  | 22      | 337    | 280     | 340               | 113        | 141               | 47         | 68                    | 22         | 340                         |

**NOTES:**

1. ALL JOINTS WITHIN THE SPECIFIED LENGTH LR MUST BE RESTRAINED.  
ALL LENGTHS ARE GIVEN IN FEET.
2. THE MAXIMUM TEST PRESSURE SHALL NOT EXCEED 200 PSI.
3. THE MINIMUM DEPTH OF BURY SHALL BE 3' TO TOP OF PIPE 8" OR LESS,  
4' TO TOP FOR PIPE 10" AND ABOVE .

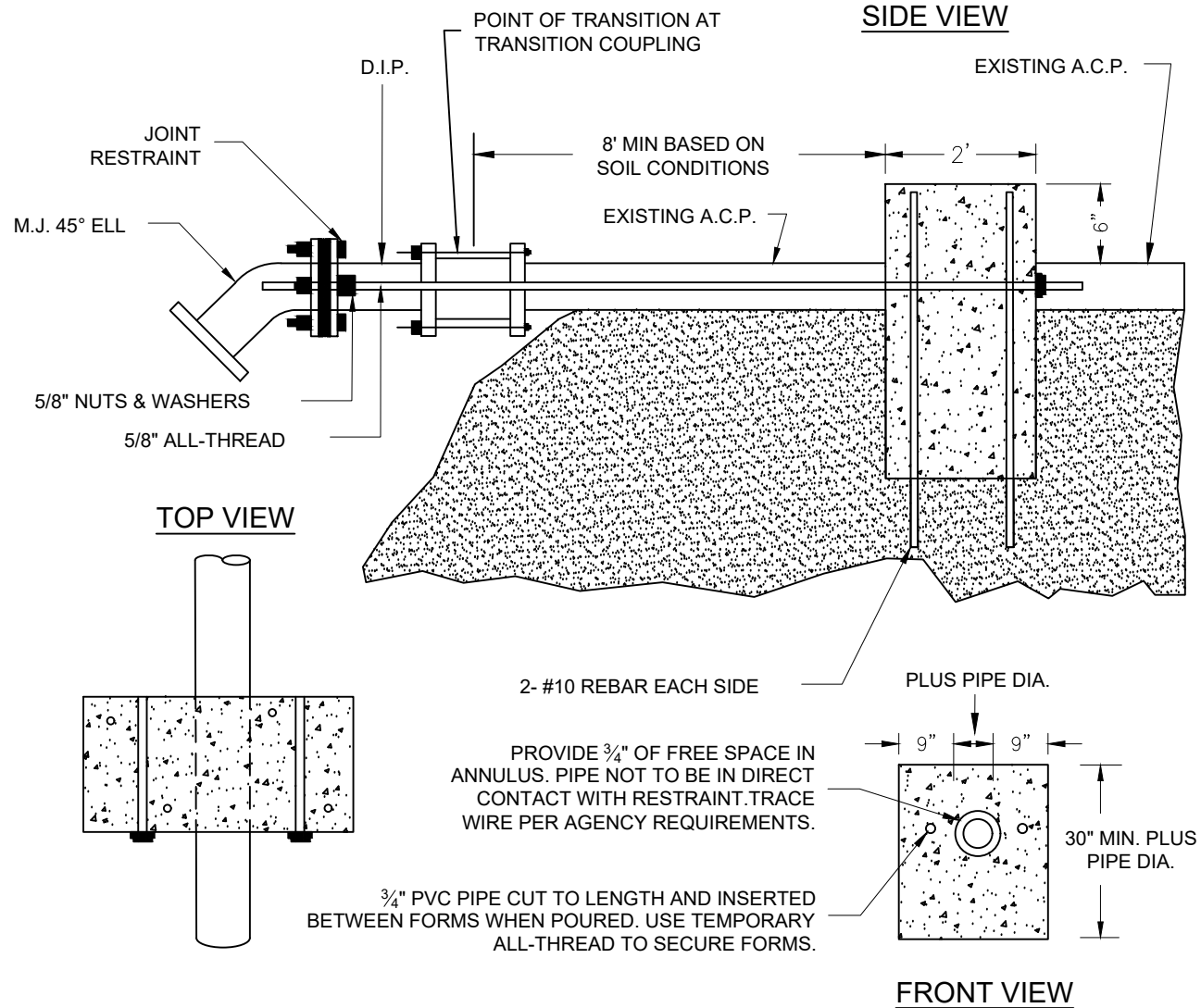


**TOCV STANDARD  
DETAIL**

**JOINT RESTRAINT FOR DUCTILE IRON, POLYETHYLENE  
WRAPPED DUCTILE IRON AND PVC WATER PIPES**

REVISED:  
4/11/2023

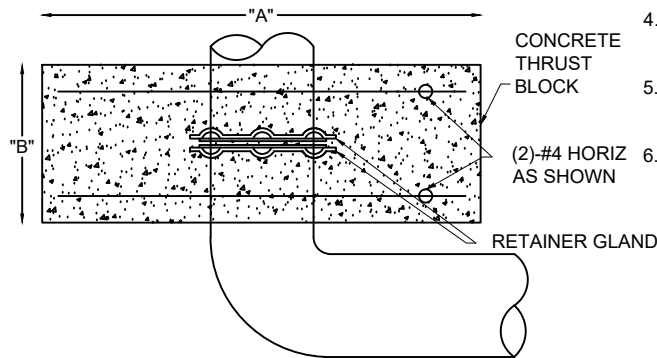
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**303CV-2**



| PIPE SIZE | A     | B     | VERT REINF | C     | VOL. (yd³) | WEIGHT (LBS) | THRUST (LBS) |
|-----------|-------|-------|------------|-------|------------|--------------|--------------|
| 4" Ø      | 3'-0" | 1'-6" | (2)-#4     | 1'-4" | 0.23       | 932          | 3844         |
| 6" Ø      | 3'-8" | 2'-0" | (2)-#4     | 2'-0" | 0.55       | 2228         | 8594         |
| 8" Ø      | 4'-6" | 2'-0" | (2)-#4     | 3'-0" | 1.00       | 4050         | 15414        |
| 10" Ø     | 6'-0" | 2'-4" | (4)-#4     | 3'-4" | 1.73       | 7007         | 23751        |
| 12" Ø     | 6'-6" | 2'-4" | (4)-#4     | 4'-6" | 2.53       | 10247        | 34157        |
| 14" Ø     | 7'-0" | 2'-6" | (4)-#4     | 5'-8" | 3.68       | 14904        | 46448        |
| 16" Ø     | 8'-0" | 2'-9" | (6)-#4     | 6'-4" | 5.16       | 20898        | 60772        |
| 18" Ø     | 9'-0" | 3'-0" | (6)-#4     | 7'-2" | 7.17       | 29039        | 77018        |

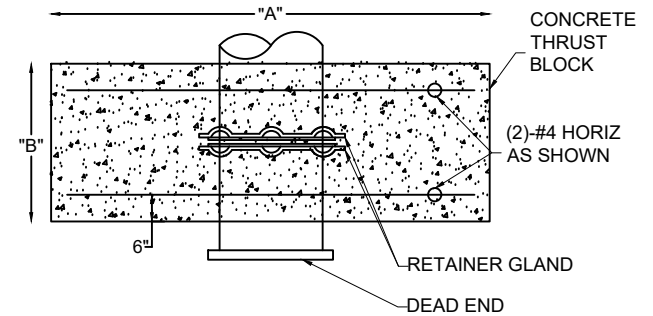
### NOTES:

1. CONCRETE SHALL BE MAG CLASS "A".
2. CONCRETE SHALL BE POURED AGAINST UNDISTURBED EARTH EXCEPT WHERE FORMWORK IS A MUST. AFTER CONCRETE IS CURED THE FORMWORK SHALL BE REMOVED.
3. PRIOR TO PRESSURE TEST LOADING, CONTRACTOR SHALL PROVIDE WRITTEN TEST REPORT FROM QUALITY CONTROL LAB VERIFYING MINIMUM 2500 PSI COMPRESSIVE STRENGTH.
4. BASED ON 200 PSI TEST PRESSURE.
5. HORIZONTAL AND VERTICAL BENDS OPTIONAL.
6. RETAINER GLAND = FORD SERIES 1300 UNI-FLANGE RETAINER GLAND OR EQUAL (TYP).

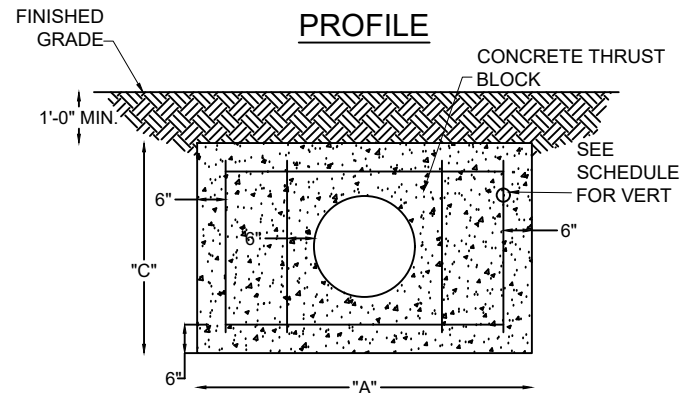


THRUST BLOCK AT ANGLE

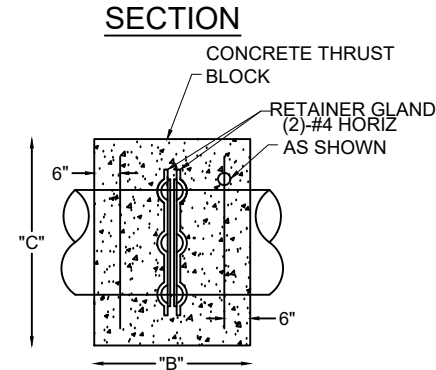
| PIPE SIZE | A     | B     | VERT REINF | C     | VOL. (yd³) | WEIGHT (LBS) | THRUST (LBS) |
|-----------|-------|-------|------------|-------|------------|--------------|--------------|
| 4" Ø      | 2'-0" | 1'-6" | (2)-#4     | 1'-4" | 0.15       | 608          | 2718         |
| 6" Ø      | 3'-0" | 1'-8" | (2)-#4     | 2'-0" | 0.38       | 1539         | 6077         |
| 8" Ø      | 3'-6" | 2'-0" | (2)-#4     | 2'-8" | 0.70       | 2835         | 10900        |
| 10" Ø     | 5'-0" | 2'-2" | (4)-#4     | 3'-0" | 1.21       | 4901         | 16794        |
| 12" Ø     | 5'-6" | 2'-4" | (4)-#4     | 4'-0" | 1.90       | 7695         | 24153        |
| 14" Ø     | 6'-0" | 2'-4" | (4)-#4     | 5'-0" | 2.59       | 10490        | 32844        |
| 16" Ø     | 6'-6" | 2'-8" | (6)-#4     | 5'-8" | 3.65       | 14783        | 42973        |
| 18" Ø     | 7'-0" | 3'-0" | (6)-#4     | 6'-6" | 5.06       | 20493        | 54460        |



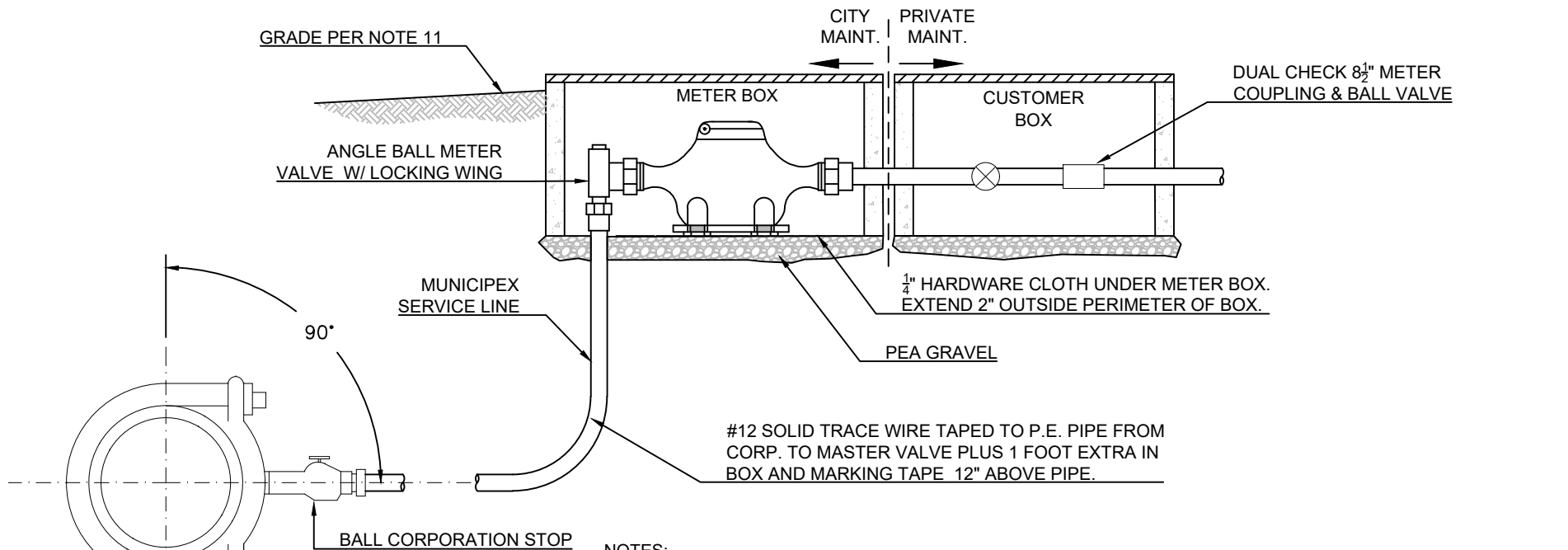
THRUST BLOCK AT DEAD END



PROFILE



SECTION



**NOTES:**

1. BOXES SHALL BE PER MAG STD. DETAIL 320.
2. SERVICE LINE IS TO HAVE MIN. 3 FT. COVER WITHIN THE ROADWAY PRISM.
3. SERVICE LINE SHALL BE UNSPLICED FROM CORP. STOP AT MAIN TO CURB STOP AT METER BOX.
4. FOR CUT OR FILL SLOPE METER LOCATIONS, CMU WALL OR OTHER APPROVED METHOD SHALL BE REQUIRED FOR PROTECTION OF METER SET.
5. METER TO BE INSTALLED BY TOCV ONLY.
6. WATER SERVICE OR METER BOX SHALL NOT BE LOCATED IN DRIVEWAYS, SIDEWALKS, OR STREETS.
7. WATER METER SHALL BE PLACED IN PUBLIC R/W OR EASEMENT BETWEEN THE BACK OF CURB OR SIDEWALK AND PROPERTY LINE.
8. NO LANDSCAPE FEATURES OR VEGETATION WITHIN 5' OF METER BOXES.
9. CONTRACTOR SHALL VERIFY FACTORY SETTING ON PRESSURE REGULATOR.
10. PRIVATE MAINTENANCE RESPONSIBILITY STARTS AT THE CUSTOMER SHUTOFF VALVE AND BOX.
11. PAVED OR CONCRETE SURFACE - BOX TO BE  $\frac{1}{2}$ " ABOVE PAVED OR CONCRETE SURFACE.  
NATURAL GRADE - BOX TO BE 2" ABOVE SURFACE. TAPER TO EXISTING SURFACE WITHIN 2 FEET.
12. MUNICIPEX SERVICE LINE TO BE SLEAVED IN 4" SDR 35 PVC PIPE WHEN CROSSING UNDER ROADWAY.

| SERVICE SIZE | CITY BOX | CUSTOMER BOX | BALL CORP STOP (FORD OR EQ) - PJ x MIP | ANGLE BALL METER VALVE (FORD OR EQ) - PJ x MIP |
|--------------|----------|--------------|----------------------------------------|------------------------------------------------|
| 3/4"         | #1       | #1           | FB1100-3                               | BA43-332 W PJ X METER NUT                      |
| 1"           | #2       | #1           | FB1100-4                               | BA43-444 W PJ X METER NUT                      |
| 1.5"         | #3       | #2           | FB1100-6                               | BFA43-666 W PJ X METER FL.                     |
| 2"           | #4       | #2           | FB1100-7                               | BFA43-777 W PJ X METER FL.                     |



**TOCV STANDARD  
DETAIL**

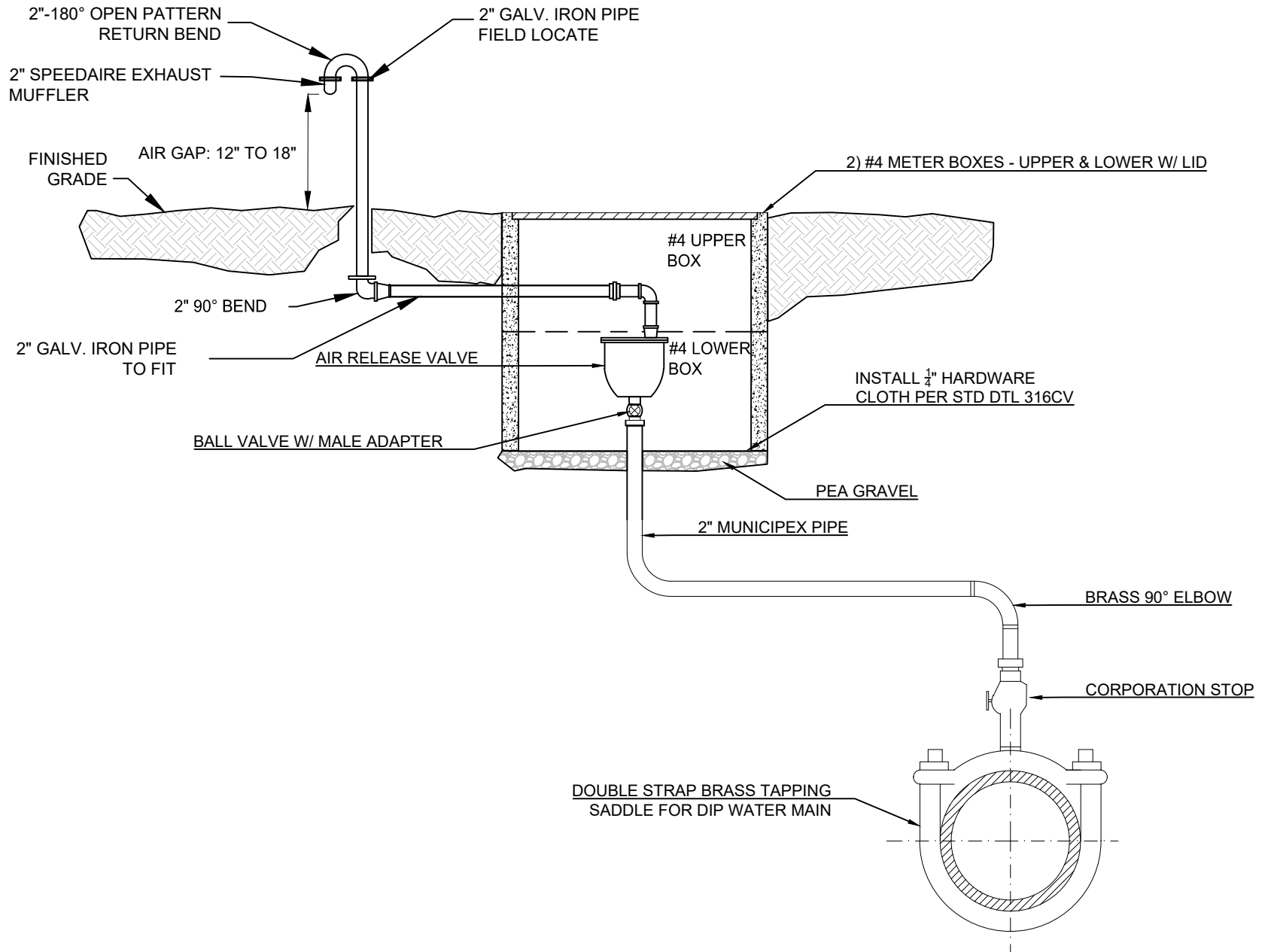
Council Regular Session

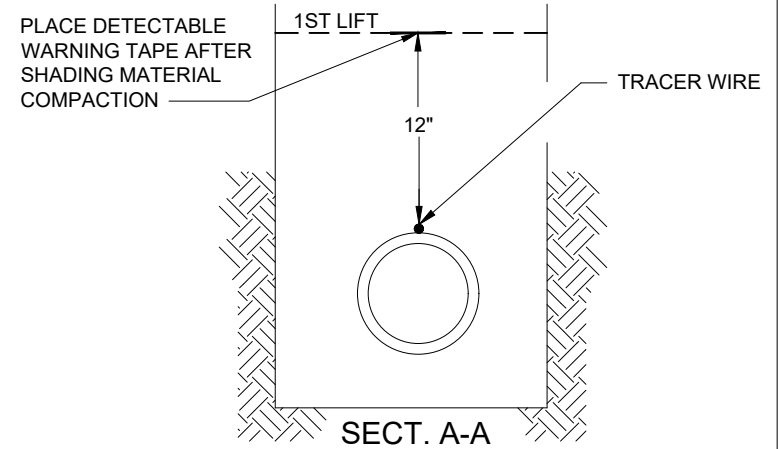
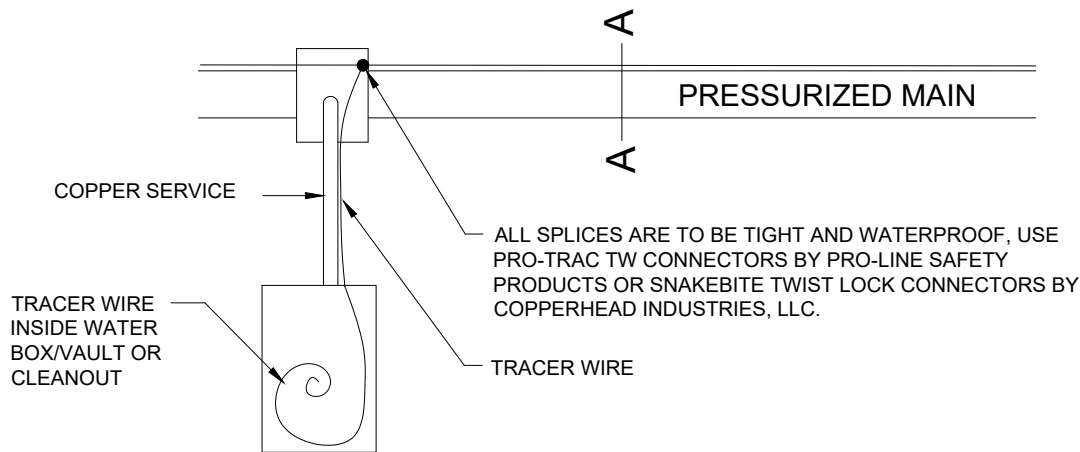
**3/4", 1", 1 1/2", & 2"  
SERVICE CONNECTION**

August 21, 2024

REVISED:  
1/4/2024

DETAIL No:  
**316CV**





#### NOTES:

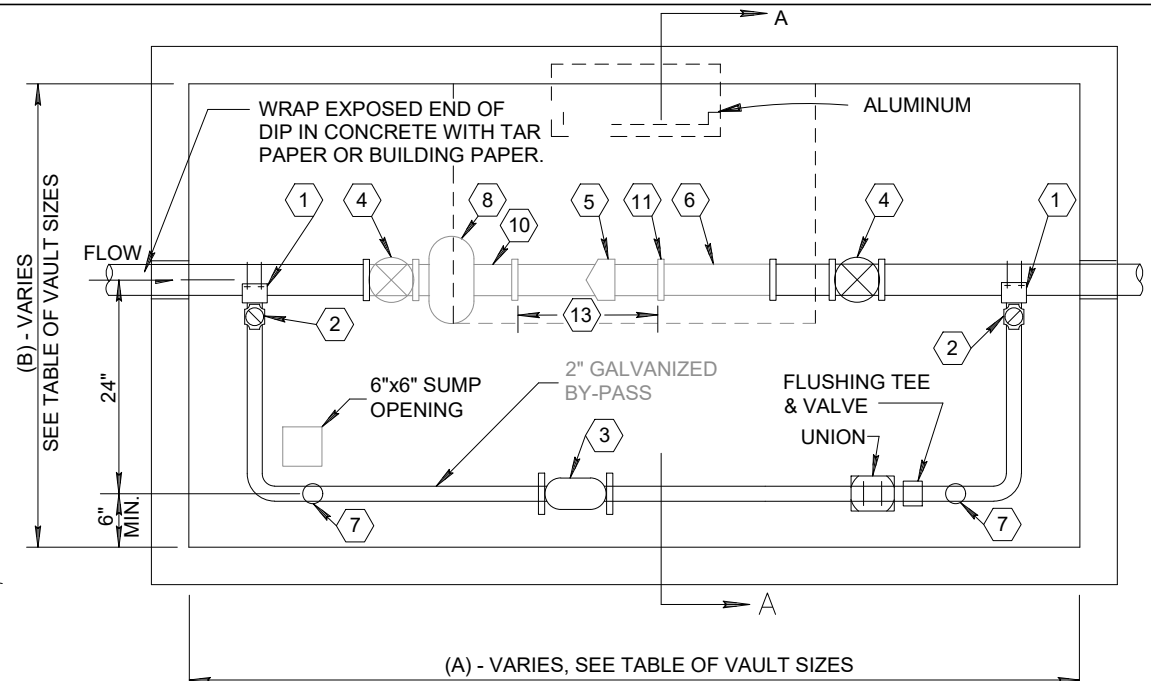
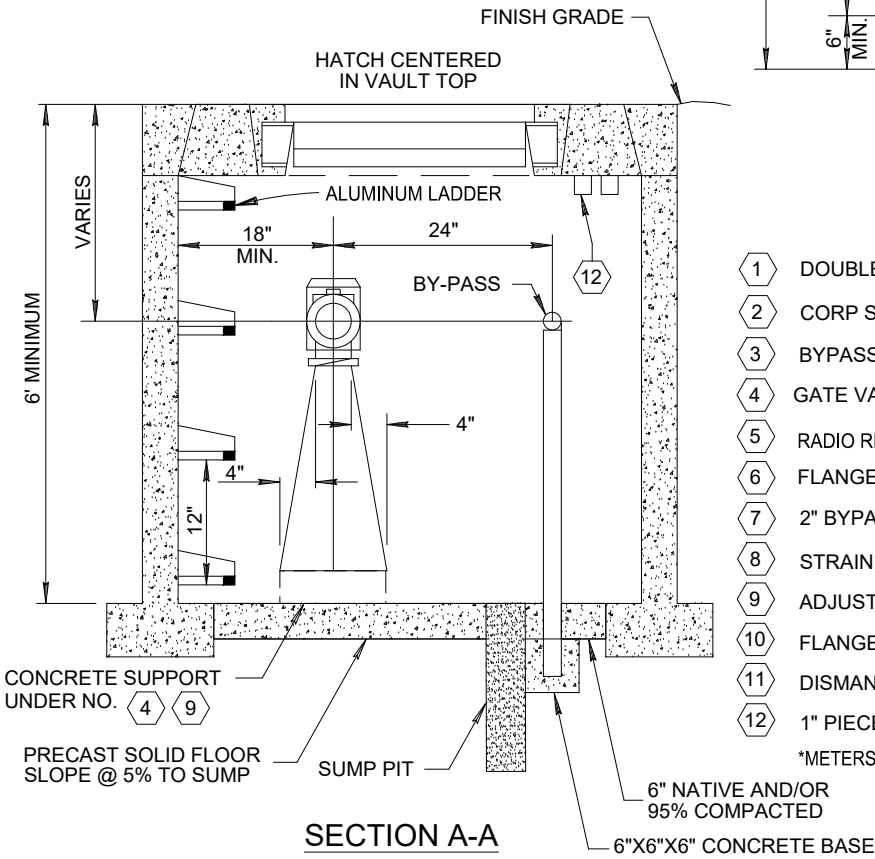
1. TRACER WIRE SHALL BE REQUIRED FOR ALL PRESSURE PIPE INSTALLATION AS INDICATED ON OTHER STANDARD DETAILS. TRACER WIRE SHALL BE #12 AWG HS-CCS, 30 MIL HDPE INSULATION.
2. FINAL CONTINUITY TESTING FOR ACCEPTANCE OF TRACER WIRE SHALL BE MADE AT PROJECT COMPLETION PRIOR TO PAVING.
3. WIRE IS TO BE ATTACHED TO ALL APPURTENANCES.
4. TRACER WIRE IS TO BE PLACED AT TOP CENTER OF PIPE AND SECURED BY TAPE AT A MINIMUM OF 6' INTERVALS.
5. THIS DETAIL DOES NOT PERTAIN TO STRAIGHT RUN GRAVITY SANITARY SEWER MAINS IN THE TOWN OF CAMP VERDE.
6. TRACER WIRE STATION SHALL BE USED AT ALL FIRE HYDRANTS, SEWER WET WELLS, FORCE MAIN DISCHARGE MANHOLES, FORCE MAIN CLEANOUTS, FORCE MAIN VALVE LOCATIONS AND LOW PRESSURE SEWER MAIN APPURTENANCES.
7. CONTRACTOR MUST PROVIDE ENGINEER OF RECORD (EOR) AND AGENCY WITH THE FOLLOWING:
  - A. SAMPLE OF TAPE
  - B. PASS A CONTINUITY TEST, CONDUCTED BY THE CONTRACTOR AND WITNESSED BY THE EOR. THE EOR SHALL PROVIDE A CERTIFICATION OF PASSING TO THE CONTRACTOR AND AGENCY.
8. TO PASS A CONTINUITY TEST, THE FOLLOWING CONDITIONS MUST BE MET:
  - A. CONTINUITY TEST SHALL BE PERFORMED BY USING A METALLIC LOCATOR WITH AUDIBLE TONE AND NUMERIC VALUES FOR CERTIFICATION OF FACILITY LOCATIONS AND SHALL BE IDENTIFIABLE BETWEEN ACCESS POINTS.
  - B. THE WIRE SHALL BE ACCESSIBLE AT ALL ACCESS POINTS AND FROM ACCESS POINT TO ACCESS POINT.
  - C. DEPTH READINGS MUST BE ACCURATE AND CONSISTENT TO WITHIN 15 (DEPTH TO DIAMETER RATIO).
  - D. ACCESS POINTS THAT ARE WIDELY SPACED CAN BE TRACED IN WORST CASE FROM EACH END TO A COMMON MEETING POINT BETWEEN THEM.
9. CONTRACTOR MUST PROVIDE EOR AND TOWN WITH THE FOLLOWING:
  1. SAMPLE OF WIRE.
  2. SAMPLE OF CONNECTOR.
  3. INVOICE COPY SHOWING PURCHASE OF WIRE AND CONNECTOR.
10. TRACER WIRE INSULATION SHALL BE FREE OF NICKS & CUTS. ANY COMPROMISE IN THE INSULATION SHALL BE CUT OUT & TRACER WIRE SHALL BE SPLICED BACK TOGETHER WITH APPROVED CONNECTORS.

#### DETECTABLE TAPE SHALL BE:

1. PRO-LINE SAFETY PRODUCTS OR HYTECH DETECTABLE TAPE (UNDERGROUND WARNING TAPE). NO EXCEPTIONS.
2. 3 INCHES IN WIDTH
3. 5 MIL OVERALL THICKNESS WITH A .35 MIL SOLID ALUMINUM FOIL CORE.
4. LETTERED WITH A MINIMUM OF 1" INCH.
5. COLOR CODED FOR SPECIFIC UTILITY. WATER - BLUE, SANITARY SEWER - GREEN, RECLAIMED WATER - PURPLE IN ACCORDANCE WITH APWA UNIFORM COLOR CODE.

| VAULT DIMENSION DETAILS<br>(MINIMUM) |       |        |     |     |
|--------------------------------------|-------|--------|-----|-----|
| METER SIZE                           | 3"    | 4"     | 6"  | 8"  |
| (A)                                  | 8'-4" | 10'-6" | 12' | 15' |
| (B)                                  | 4'-4" | 5'     | 5'  | 6'  |
| HATCH                                |       |        |     |     |
| (A)                                  | 6'    | 6'     | 6'  | 6'  |
| (B)                                  | 3'    | 3'     | 4'  | 4'  |

| METER LAY LENGTHS |        |        |        |         |
|-------------------|--------|--------|--------|---------|
| METER SIZE        | 3"     | 4"     | 6"     | 8"      |
| LENGTH            | 17.25" | 20.25" | 24.25" | 42.125" |



- 1 DOUBLE STRAP ALL BRONZE SADDLE
- 2 CORP STOP 2" BALL TYPE
- 3 BYPASS METER\*
- 4 GATE VALVE R/S FLANGED WITH HAND WHEEL
- 5 RADIO READ\* METER PER AGENCY
- 6 FLANGED SPOOL (MIN. 3 PIPE DIAMETERS IN LENGTH)
- 7 2" BYPASS SUPPORT
- 8 STRAINER
- 9 ADJUSTABLE PIPE SUPPORT
- 10 FLANGED SPOOL. (MIN. 5 PIPE DIAMETERS IN LENGTH)
- 11 DISMANTLING JOINT (DJ400 OR APPROVED EQUAL)
- 12 1" PIECE OF UNISTRUT FASTENED TO TOP OF VAULT

\*METERS TO BE SUPPLIED BY AGENCY

#### NOTES:

1. BOTH METERS SHALL BE RADIO READ WITH ERT MOUNTED WITHIN 6" OF FINISH GRADE.
2. METER VAULTS TO BE PRE-CAST CONCRETE
3. JOINT RESTRAINT TO AND THROUGH REQUIRED. SUMP PIT TO BE 8 CUBIC FEET OF CLEAN #57 ROCK AND LINED WITH FABRIC FILTER LINER MIRAFI TYPE 140NL OR APPROVED EQUAL.
4. ACCESS HATCH - USF FABRICATION INC. ALUMINUM SPRING OR TORSION BAR ASSISTED DOUBLE LIDS WITH 90 TO 180 DEGREE OPEN RANGE WITH RECESSED PADLOCK/HASP ASSEMBLY AND 30 PSF RATING.
5. PIPELINE PRODUCTS VL-100 EXTENDABLE LADDER. TELESOPING LADDER MUST BE INSTALLED ON THE VERTICAL WALL JUST BELOW THE SAFETY NET. POSITION THE LADDER TO CENTER OF ACCESS HATCH OR EQUAL.
6. ACCESS HATCH SAFETY NET - U.S. NETTING OR APPROVED EQUAL.

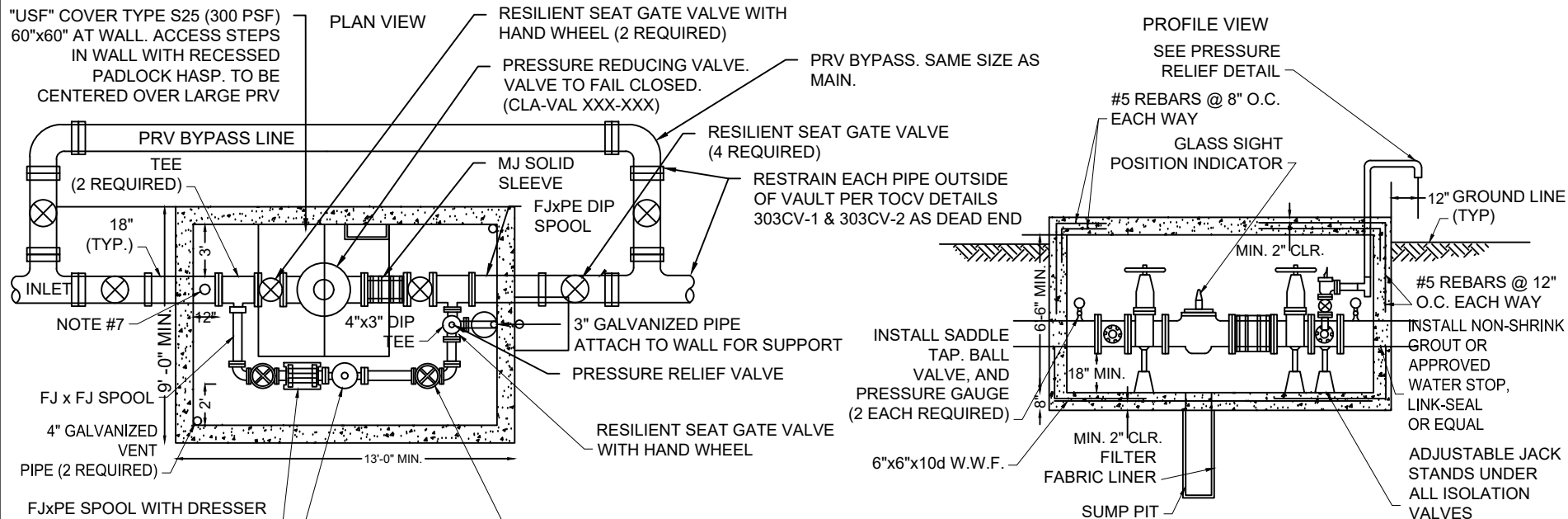


TOCV STANDARD  
DETAIL

## LARGE METER AND VAULT

REVISED:  
4/11/2023

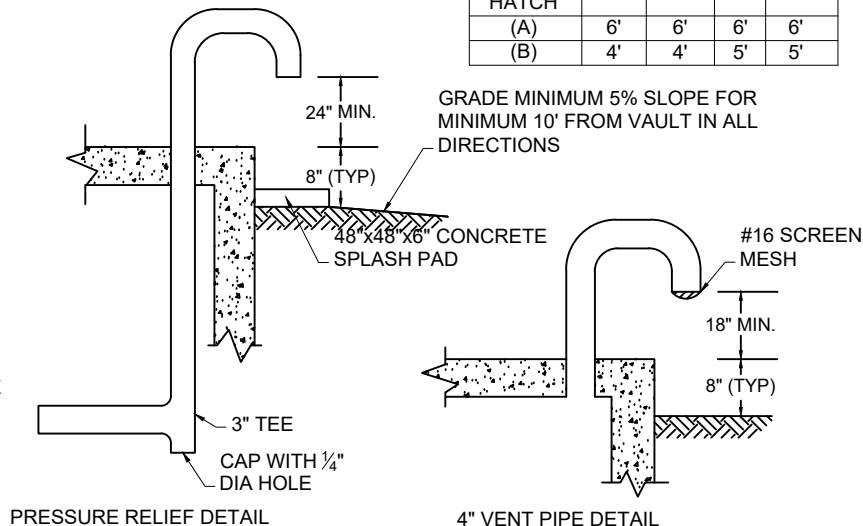
DETAIL No:  
321CV



| VAULT DIMENSION DETAILS (MINIMUM) |       |        |     |     |
|-----------------------------------|-------|--------|-----|-----|
| PIPE SIZE                         | 3"    | 4"     | 6"  | 8"  |
| (A)                               | 8'-4" | 10'-6" | 12' | 15' |
| (B)                               | 4'-4" | 5'     | 6'  | 6'  |
| HATCH                             |       |        |     |     |
| (A)                               | 6'    | 6'     | 6'  | 6'  |
| (B)                               | 4'    | 4'     | 5'  | 5'  |

### VALVE NOTES:

- PRESSURE REDUCING CLAVAL SHALL INCLUDE THE FOLLOWING FEATURES:
  - X46A FLOW CLEAN STRAINER
  - CK2 COOK (ISOLATION VALVE)
  - CV SPEED CONTROL (OPENING & CLOSING)
  - ALL PRV PILOT SYSTEMS MUST BE STAINLESS STEEL HIGH PRESSURE TUBING.
- FINAL PRESSURE SETTINGS TO BE DETERMINED BY AGENCY



### VAULT NOTES:

- ALL PRECAST OR POUR IN PLACE CONCRETE TO BE CLASS "A" PER M.A.G. STD. SPEC. 725. ALTERNATE DESIGN TO BE 8" C.M.U. WALLS. GROUT ALL CELLS SOLID. USE 2-#4 REBAR IN BOND BEAM AT TOP OF WALLS AND AT 30" ABOVE FOOTING. #4 REBAR AT 16" O.C. VERTICAL.
- SUMP PIT TO BE 8 CUBIC FEET OF CLEAN #57 ROCK AND LINED WITH FABRIC FILTER LINER MIRAFI TYPE 14ONL OR APPROVED EQUAL.
- ALL FITTINGS AND VALVES TO BE FLANGE JOINT DUCTILE IRON PIPE.
- SLOPE FLOOR AT 5% TO SUMP.
- ACCESS HATCH - USF FABRICATION INC. ALUMINUM SPRING OR TORSION BAR ASSISTED DOUBLE LIDS WITH 90 TO 180 DEGREE OPEN RANGE WITH RECESSED PADLOCK/HASP ASSEMBLY AND 30 PSF RATING.
- PIPELINE PRODUCTS VL-100 EXTENDABLE LADDER. TELESCOPING LADDER MUST BE INSTALLED ON THE VERTICAL WALL JUST BELOW THE SAFETY NET. POSITION THE LADDER TO CENTER OF ACCESS HATCH OR EQUAL.
- 2" SADDLE WITH 2" BALL VALVE & 2" PLUG. THIS IS USED FOR FLOW MODELING & INSERTION PROBES.
- SAFETY NET - U.S. NETTING OR APPROVED EQUAL.



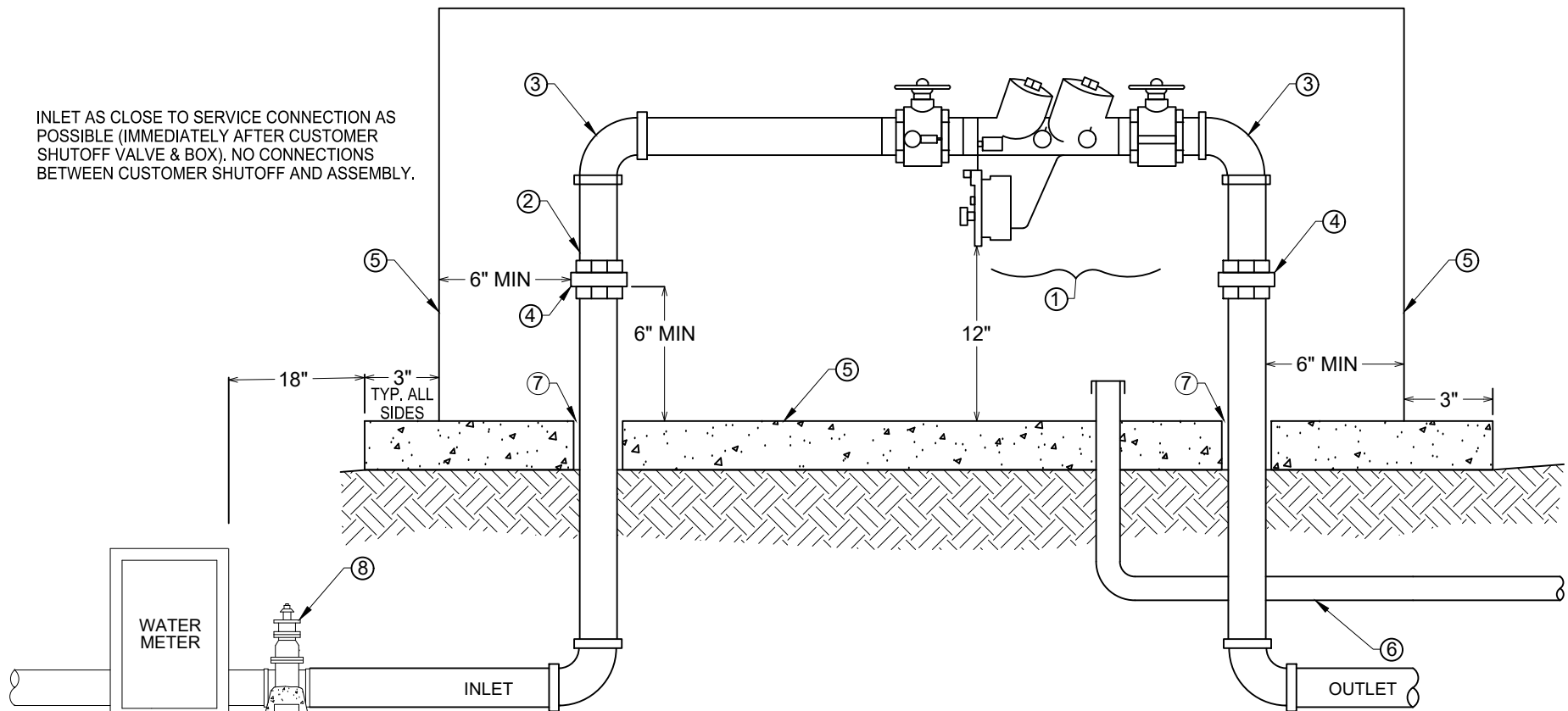
**TOCV STANDARD  
DETAIL**

## PRESSURE REDUCING VALVE STATION

REVISED:  
4/11/2023

DETAIL No:  
**323CV**

INLET AS CLOSE TO SERVICE CONNECTION AS POSSIBLE (IMMEDIATELY AFTER CUSTOMER SHUTOFF VALVE & BOX). NO CONNECTIONS BETWEEN CUSTOMER SHUTOFF AND ASSEMBLY.



#### NOTES:

1. ALL PIPE/FITTINGS TO BE EITHER TYPE "K" COPPER OR GALVANIZED INCLUDING PIPE BETWEEN CUSTOMER BOX AND BACKFLOW ASSEMBLY.
2. BACKFLOW PREVENTION ASSEMBLY MUST BE LEVEL AND INSTALLED A MINIMUM OF 16" FROM ASSEMBLY BODY TO FINAL GRADE.
3. ALL TEST COCKS (4 REQUIRED) SHALL BE FITTED WITH BRASS PLUGS INSTALLED WITH TEFLON TAPE.
4. COMPRESSION TYPE FITTINGS ARE NOT ALLOWED.
5. INSTALL THE BACKFLOW PREVENTION ASSEMBLY IMMEDIATELY DOWNSTREAM WITHIN 18" OF THE AGENCY WATER METER. BALL VALVE REQUIRED BETWEEN METER & BACKFLOW DEVICE,
6. CALL FOR UNDERGROUND INSPECTION BEFORE BACKFILLING TRENCH.
7. A COPPER/BRASS UNION MUST BE INSTALLED IN THE MIDDLE OF BOTH RISERS.
8. ASSEMBLY SHALL BE APPROVED BY AGENCY AND USC FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH.

#### LIST OF MATERIALS:

- ① REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY, OR DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY AS APPROVED BY THE AGENCY, DOUBLE BALL VALVES INCLUDED.
- ② PIPE, TYPE "K" HARD COPPER OR GALVANIZED,  $\frac{3}{4}$ " THRU 3".
- ③ 90° ELBOW, COPPER OR GALVANIZED,  $\frac{3}{4}$ " THRU 3"
- ④ PIPE UNION, BRASS OR COPPER.
- ⑤ INSTALL 4" CONCRETE PAD, ENCLOSURE, AND HARDWARE. ENCLOSURE SHALL BE AN ASSE 1060 CLASS 1 APPROVED.
- ⑥ ELECTRICAL CONDUIT FOR HEAT TRACE.
- ⑦ PVC PIPE SLEEVE MINIMUM 1" LARGER DIAMETER THAN WATER LINE.
- ⑧ PRIVATE CUSTOMER VALVE.

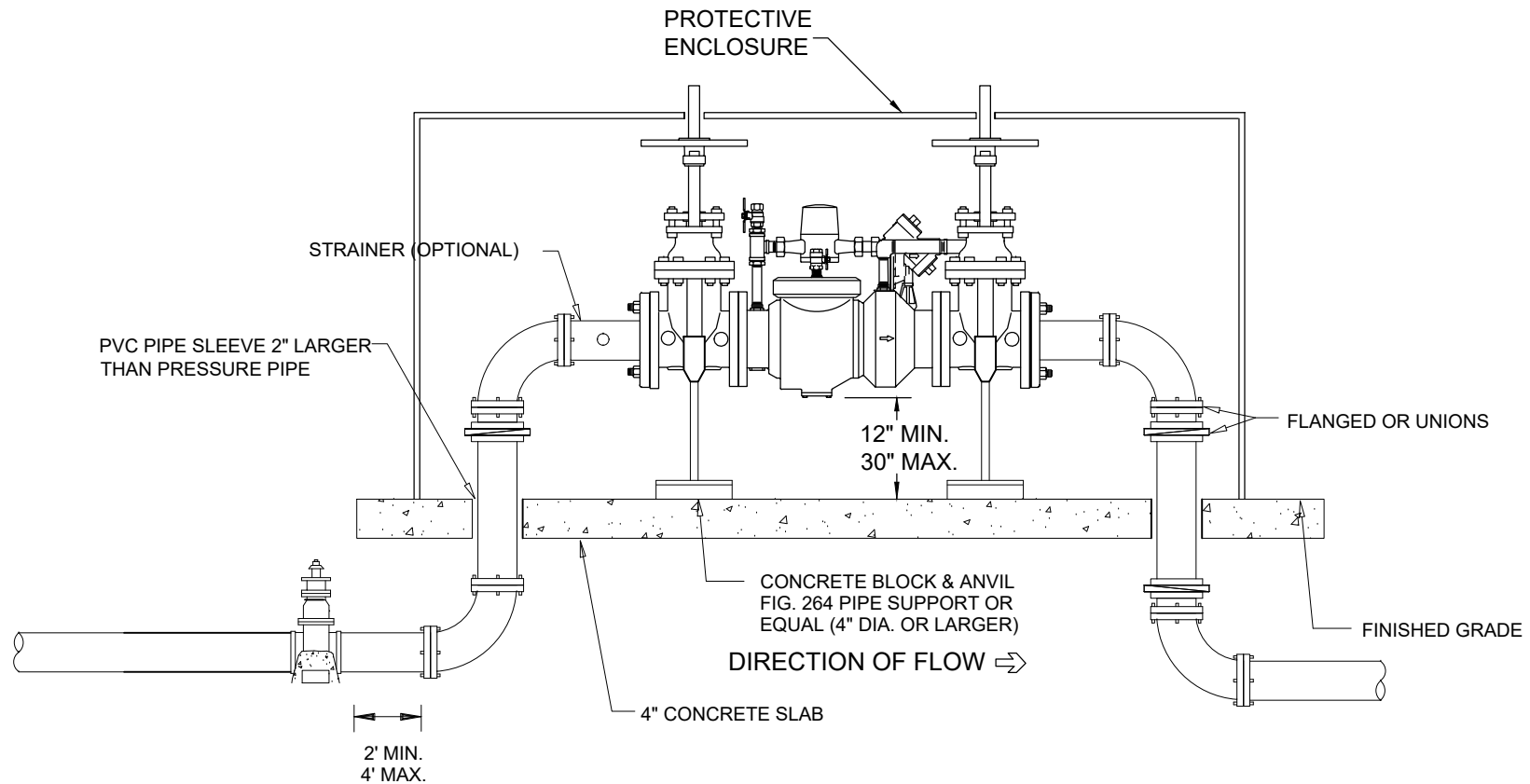


**TOCV STANDARD  
DETAIL**

## BACKFLOW PREVENTION ASSEMBLY INSTALLATION 3" AND UNDER

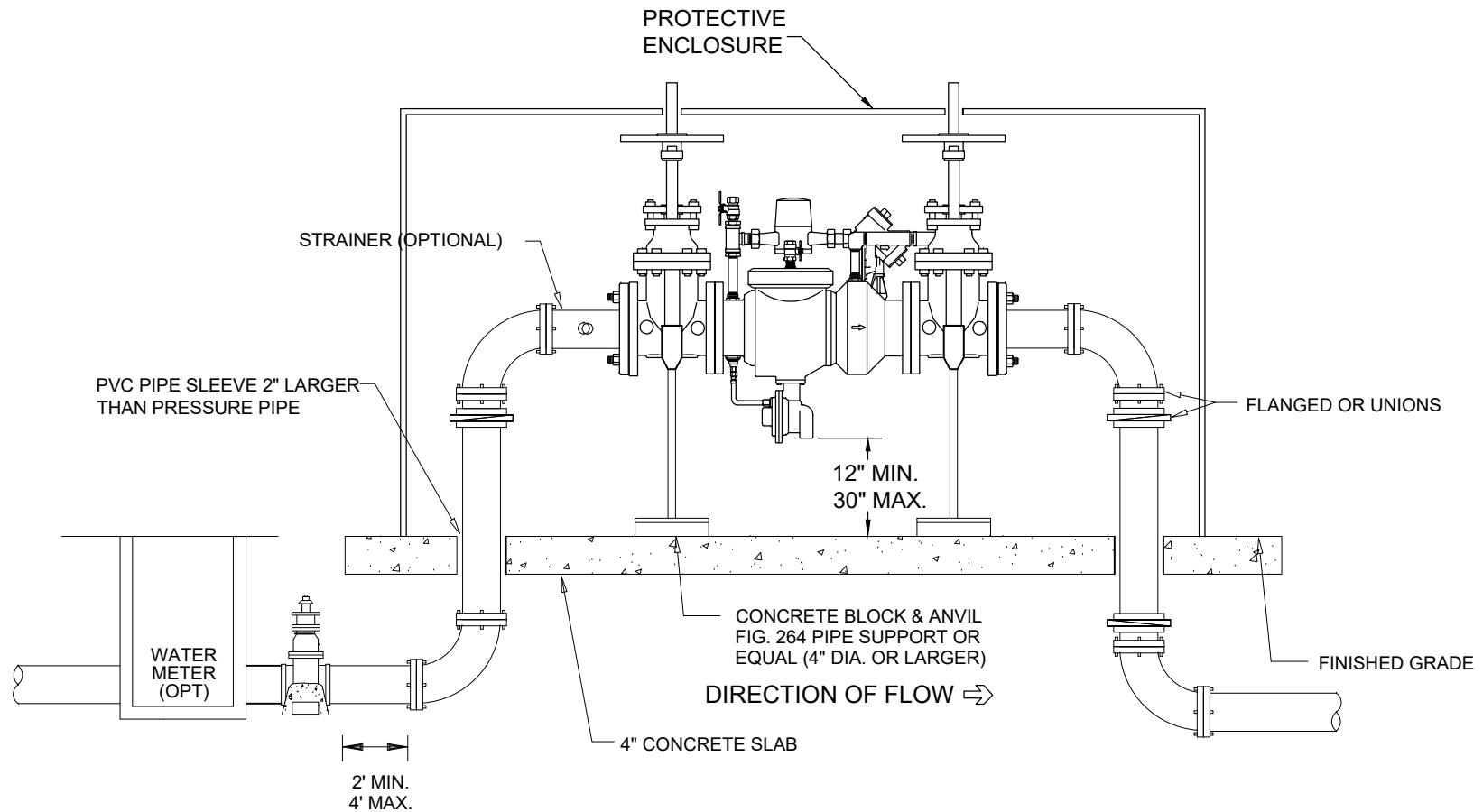
REVISED:  
4/11/2023

DETAIL No:  
**324CV-1**



#### NOTES:

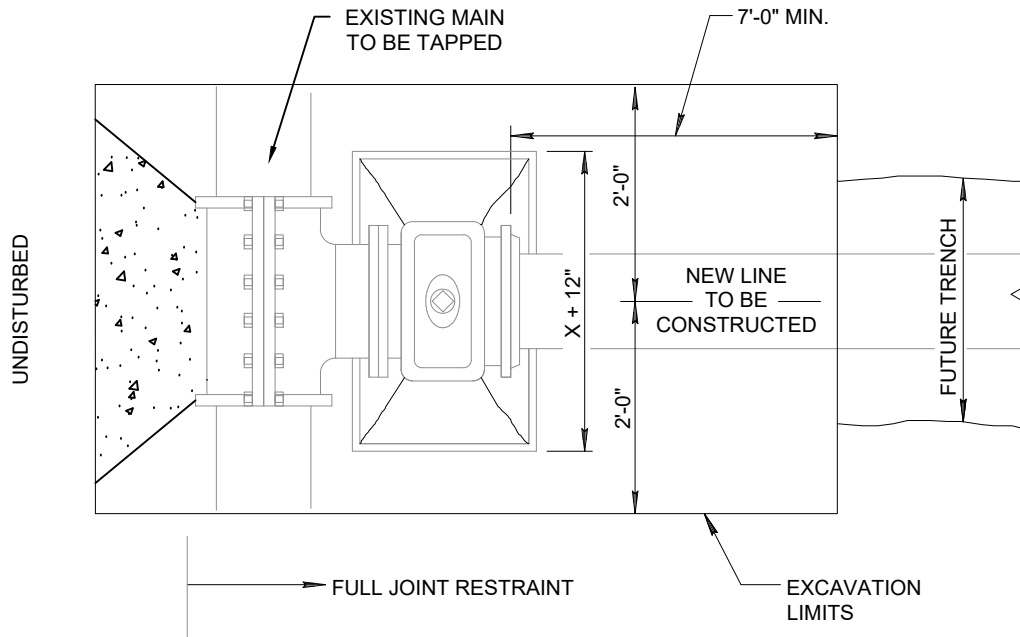
1. NO OBSTRUCTIONS ON ONE SIDE.
2. BACKFLOW PROTECTION REQUIRED PER TOWN CODE.
3. ENCLOSURE REQUIRED (ASSE 1060 CLASS 1).
4. ALL CONNECTIONS SHALL BE FLANGED OR MECHANICALLY RESTRAINED JOINTS.
5. THERE SHALL NOT BE ANY CONNECTIONS ON THE SERVICE LINE BETWEEN THE DC AND THE WATER METER. ENCLOSURES INSTALLED MUST MEET CLEARANCE REQUIREMENTS IN ADDITION TO PROVIDING SIDE AND TOP ACCESS. ENCLOSURES MUST NOT RETAIN WATER.
6. THE ASSEMBLY SHALL BE ACCESSIBLE AT ALL TIMES.
7. INSTALLATION MUST MEET INTERNATIONAL PLUMBING CODES IN ADDITION TO STANDARD WATER DETAILS. INSTALLATION MUST BE LEFT EXPOSED UNTIL INSPECTED AND APPROVED BY THE TOWN.
8. DC SHALL BE LOCATED ABOVE GROUND AND ENCLOSED IN AN ASSE 1060 CLASS 1 APPROVED ENCLOSURE PER INTERNATIONAL BUILDING CODES.
9. DC SHALL BE LOCATED WITHIN 4' OF METER, UNLESS OTHERWISE APPROVED.
10. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY USE SHALL BE REVIEWED AND APPROVED BY AGENCY.
11. ASSEMBLY SHALL BE APPROVED BY USC FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH.



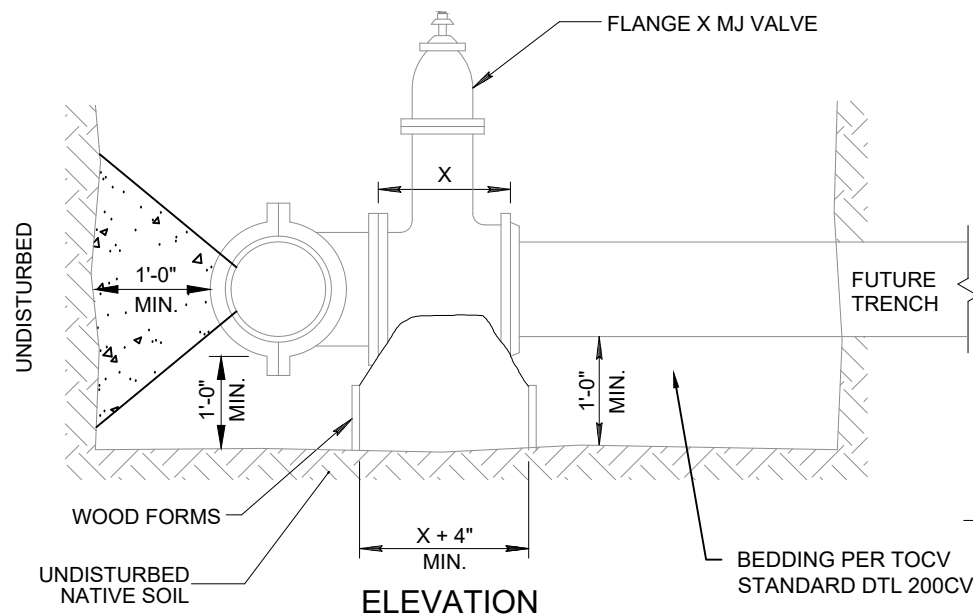
FOR USE WHEN ADDITIVES SUCH AS GLYCOL OR INHIBITORS ARE USED IN FIRE LINE

#### NOTES:

1. NO OBSTRUCTIONS ON ONE SIDE.
2. BACKFLOW PROTECTION REQUIRED PER TOWN CODE.
3. ENCLOSURE REQUIRED (ASSE 1060 CLASS 1).
4. ALL CONNECTIONS SHALL BE FLANGED OR MECHANICALLY RESTRAINED JOINTS.
5. THERE SHALL NOT BE ANY CONNECTIONS ON THE SERVICE LINE BETWEEN THE RP AND THE WATER METER. ENCLOSURES INSTALLED MUST MEET CLEARANCE REQUIREMENTS IN ADDITION TO PROVIDING SIDE AND TOP ACCESS. ENCLOSURES MUST NOT RETAIN WATER.
6. THE ASSEMBLY SHALL BE ACCESSIBLE AT ALL TIMES.
7. INSTALLATION MUST MEET INTERNATIONAL PLUMBING CODES IN ADDITION TO STANDARD WATER DETAILS. INSTALLATION MUST BE LEFT EXPOSED UNTIL INSPECTED AND APPROVED BY THE TOWN.
8. RP SHALL BE LOCATED ABOVE GROUND AND ENCLOSED IN AN ASSE 1060 CLASS 1 APPROVED ENCLOSURE PER INTERNATIONAL BUILDING CODES.
9. RP SHALL BE LOCATED WITHIN 4' OF METER, UNLESS OTHERWISE APPROVED.
10. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY USE SHALL BE REVIEWED AND APPROVED BY AGENCY.
11. ASSEMBLY SHALL BE APPROVED BY USC FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH.

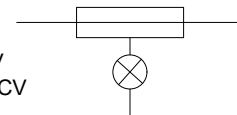


**PLAN**



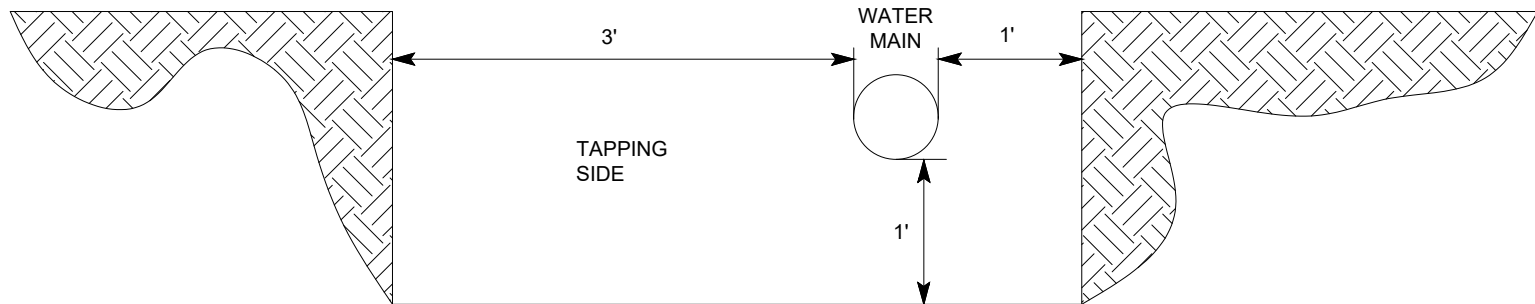
**ELEVATION**

**PLAN SYMBOL**



**NOTES:**

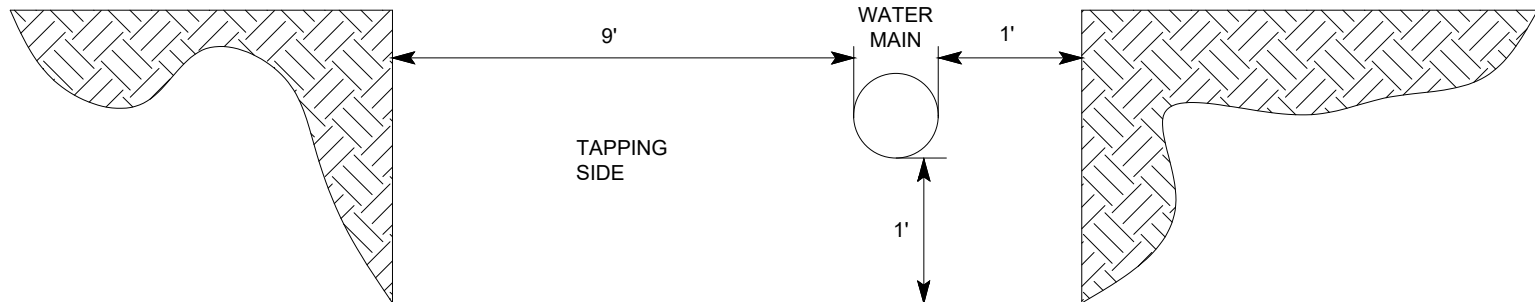
1. VALVE BLOCKING PER TOCV STANDARD DETAIL 301CV.
2. TAPS SHALL BE MADE BY CONTRACTOR
3. INSTALL TEMPORARY BLOCKING UNDER VALVE BEFORE TAP IS MADE. ALL FLANGE BOLTS SHALL BE CLEAR OF FOOTING.
4. TAPPING SLEEVES SHALL BE FORD FTSS, ROMAC SST III OR APPROVED EQUAL.
5. INSTALLATION SHALL BE LEAK TESTED TO A MINIMUM OF 200 PSI FOR 30 MINUTES PRIOR TO TAP.
6. TAPPING SLEEVE SHALL BE PLACED AT A MINIMUM OF 3' FROM ANY BELL, COUPLING, VALVE, FITTING, OR OTHER OBSTRUCTION.
7. PROTECT ALL CONCRETE CONTACT AREAS WITH 8 MIL SHEET PLASTIC.
8. JOINT RESTRAINT PER TOCV STANDARD DETAIL 303CV USING A DEAD END ON NEW CONSTRUCTION.
9. INSTALL BOX, COVER, AND VALVE BOX STABILIZER PER AGENCY REQUIREMENTS.
10. ALL EXCAVATIONS SHALL BE OSHA COMPLIANT.
11. ALL PIPE, VALVES, FITTINGS, AND APPURTENANCES SHALL BE MANUFACTURED IN THE U.S.A.
12. MIN. EXCAVATION LENGTH FOR THE TAPPING OPERATION SHALL BE 5' FROM THE FACE OF VALVE.
13. THRUST BLOCKS TO HAVE BEARING AREA AND FORMED PLACEMENT PER MAG STD DTL 380.



**NOTE**

CONTRACTOR TO EXPOSE AND MAINTAIN TRENCH/EXCAVATION  
PER OSHA REGULATIONS.

**3/4" THROUGH 2" SERVICE TAP**



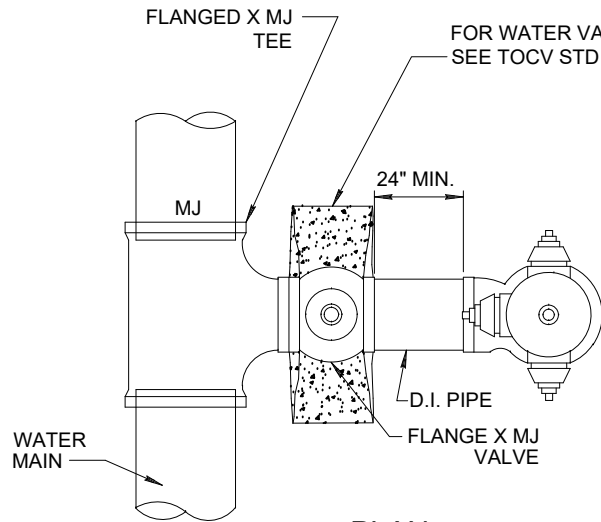
**NOTE**

CONTRACTOR TO EXPOSE AND MAINTAIN TRENCH/EXCAVATION  
PER OSHA REGULATIONS.

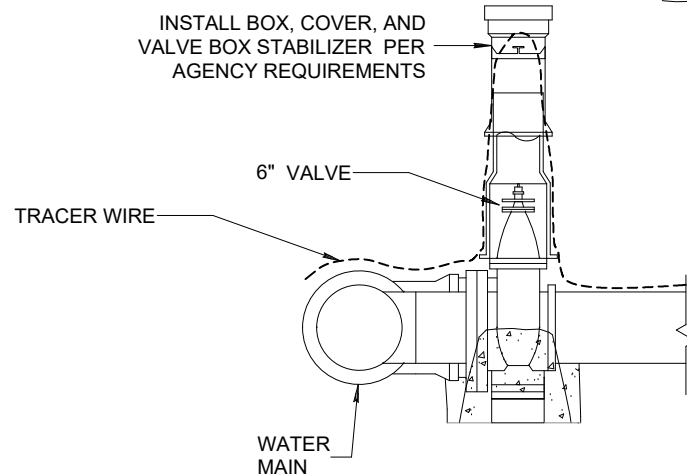
**NOTE:**

ALL TRENCHES FOR SERVICE TAPS  
SHALL BE MINIMUM 3' WIDE.

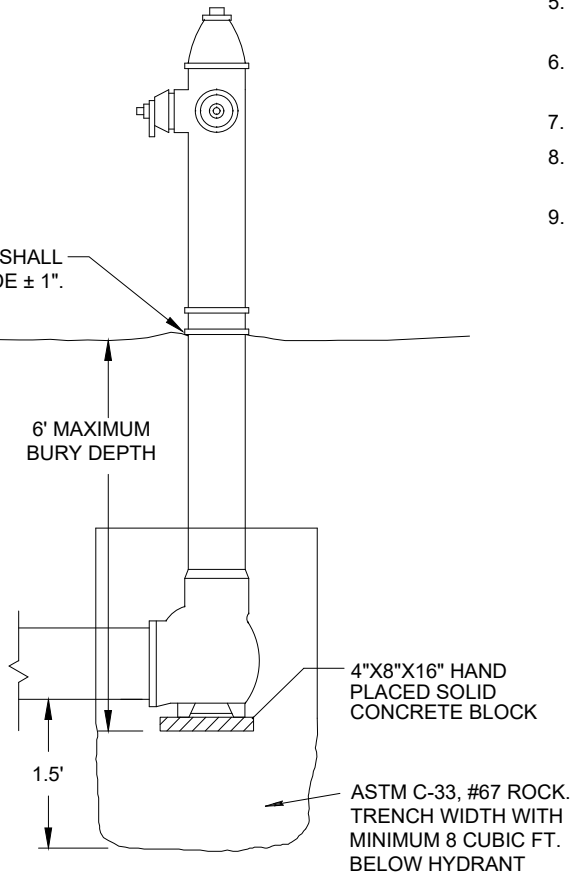
**3" THROUGH 12" SERVICE TAP**



**PLAN**



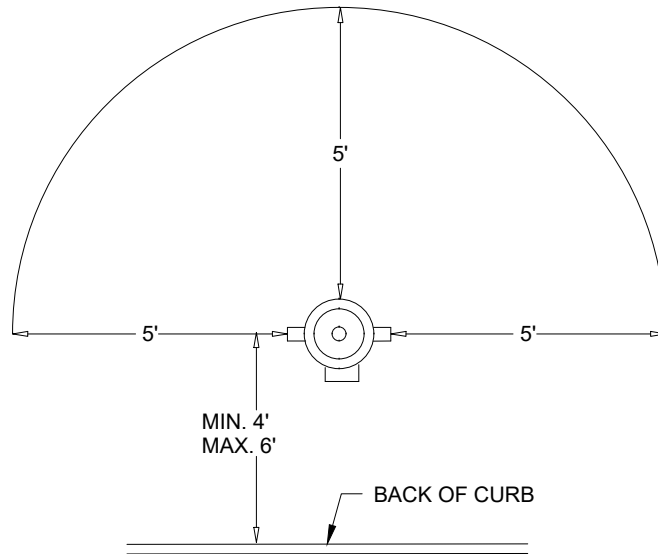
HYDRANT BURY LINE SHALL BE AT FINISHED GRADE  $\pm 1"$ .



**PROFILE**

**NOTES:**

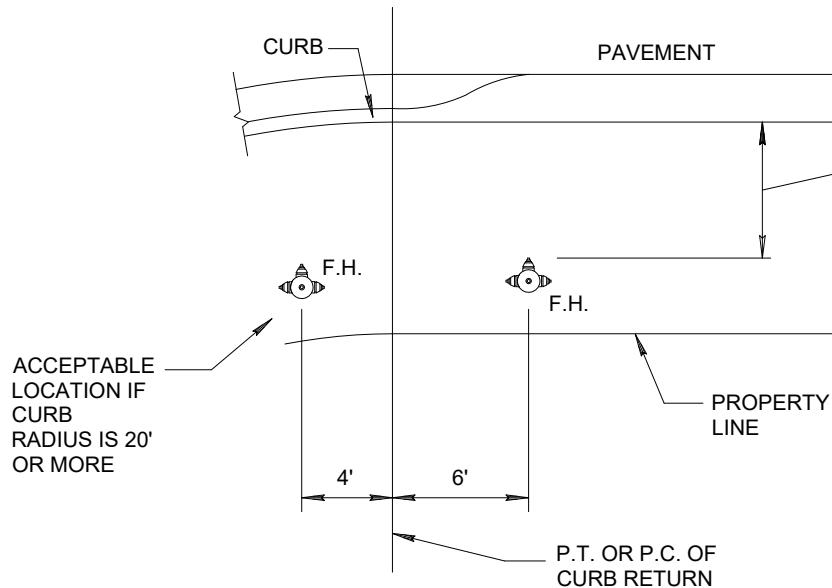
1. ALL HYDRANTS WHICH ARE PRIVATELY MAINTAINED AND OWNED ARE TO BE PAINTED RED.
2. ALL HYDRANTS TO BE WATEROUS W/ 4  $\frac{1}{2}$ " PUMPER CONNECTION - NATIONAL STANDARD THREAD.
3. HYDRANT LEADS SHALL HAVE NO HORIZONTAL BENDS.
4. FULLY RESTRAIN HYDRANT LEAD AND HYDRANT. THRUST BLOCKS ARE NOT ALLOWED.
5. SEE TOCV STD DTL 363CV FOR VERTICAL ADJUSTMENT.
6. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE U.S.A.
7. 5-1/4" PUMPER CONNECTION TO FACE CURB.
8. MAXIMUM OF 1 HYDRANT EXTENSION- ORIGINAL MANUFACTURER.
9. WET BARREL HYDRANTS SHALL NOT BE ALLOWED.



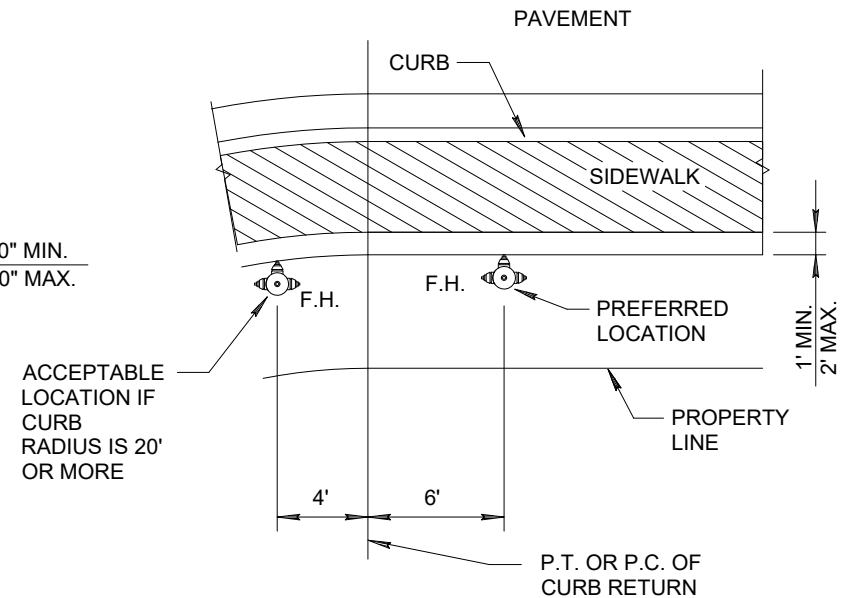
HYDRANT OBSTRUCTION CLEARANCE

### NOTES:

1. OBSTRUCTIONS SUCH AS UTILITY POLES, STREET SIGNS, IRRIGATION BOXES, FENCES, LANDSCAPE VEGETATION, ETC. MUST NOT BE PLACED BETWEEN CURB AND HYDRANT.
2. IN PARKING LOT ISLANDS, HYDRANT TO BE MIN. 3' IN ALL DIRECTIONS FROM BACK OF CURB.
3. HYDRANTS TO BE CLEAR OF LANDSCAPE & VEGETATION, DRIVEWAYS, MAILBOXES, OR ANY OTHER VERTICAL OBSTRUCTIONS WITHIN A 5' RADIUS.
4. IF NO CURB AND GUTTER ON ROADWAY, PLACE HYDRANT 6' FROM EDGE OF PAVEMENT (EP) WITHIN RIGHT OF WAY OR UTILITY EASEMENT.



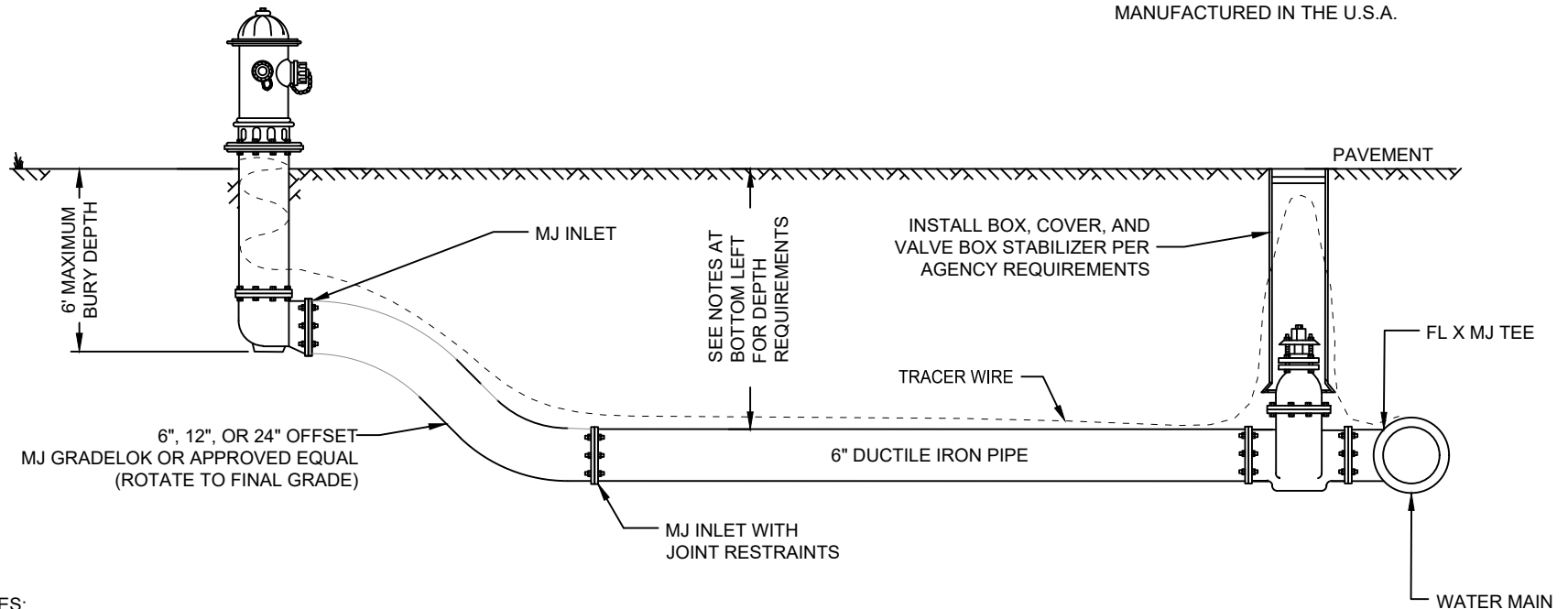
PARKWAY AREA OR NO SIDEWALK



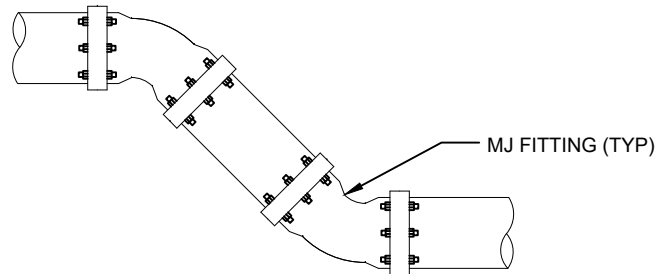
AREA WITH SIDEWALK

## NOTES:

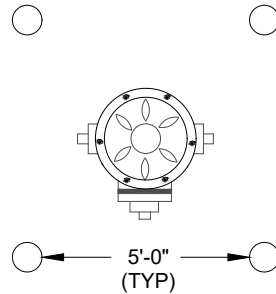
1. THIS DETAIL IS FOR VERTICAL TOCV STD DTL 360CV FOR HYDRANT DETAILS.
2. MECHANICALLY RESTRAIN ALL JOINTS FROM HYDRANT TO WATERMAIN TEE.
3. ALL PIPE, VALVES, FITTINGS, AND APPURTENANCES SHALL BE MANUFACTURED IN THE U.S.A.



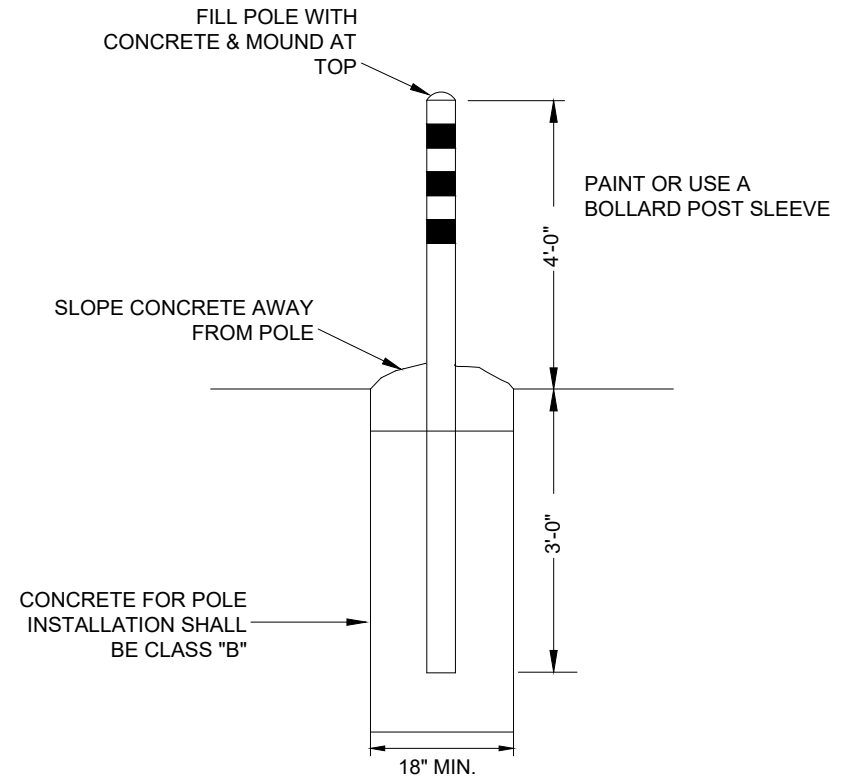
NOTES:  
IF DEPTH OF MAIN EXCEEDS 8' CONTRACTOR SHALL INSTALL.  
2-45° BENDS IN LIEU OF GRADE LOC



NOT TO SCALE

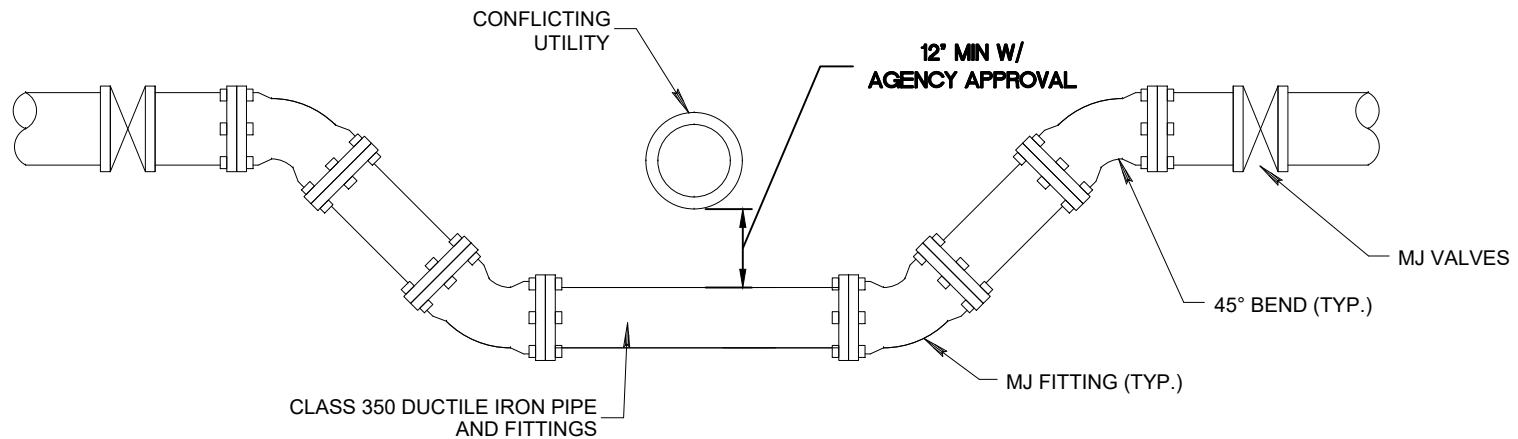


### PROTECTION POLE PLACEMENT



### NOTES:

1. DO NOT PLACE POLES IN FRONT OF NOZZLE.
2. POLES MAY BE CHANGED IN NUMBER AND ARRANGEMENT DEPENDING ON INDIVIDUAL NEED.
3. REQUIRED AT SPECIFIED LOCATIONS ONLY.
4. POLE SHALL BE SCHEDULE 40 4" STEEL.
5. PAINT POLE YELLOW AND PLACE 3 - 3" RED REFLECTIVE BANDS.



### NOTES:

1. ALL PIPE, VALVES, FITTINGS, AND APPURTENANCES SHALL BE MANUFACTURED IN THE U.S.A.
2. ENTIRE VERTICAL REALIGNMENT SHALL BE MECHANICALLY RESTRAINED CL. 350 D.I.P. PER TOCV 303CV-1 AND 303CV-2. RESTRAINED LENGTHS FROM VALVES SHALL BE THE SAME AS DEAD ENDS ON NEW CONSTRUCTION.
3. BOTTOM OF VERTICAL ALIGNMENT SHALL BE ONE PIECE. IF JOINTS ARE REQUIRED, WATER MAIN SEGMENT SHALL BE CENTERED BELOW PIPE OR IN A CASING PIPE.
4. NO SERVICE CONNECTIONS SHALL BE LOCATED WITHIN VERTICAL REALIGNMENT.
5. AIR RELEASE VALVE TO BE INSTALLED ON THE VERTICAL REALIGNMENT AT THE HIGH POINT OF THE LOW SIDE.
6. VALVE(S) AND BLOCKING PER TOCV 301CV (MJ VALVE, TYP.)
7. MJ VALVES NOT REQUIRED.



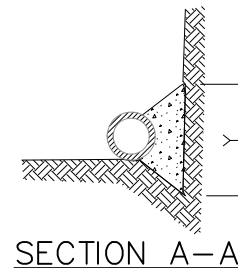
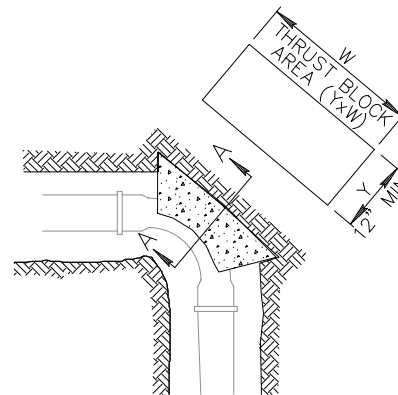
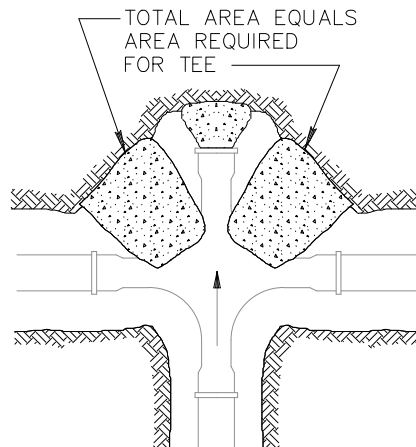
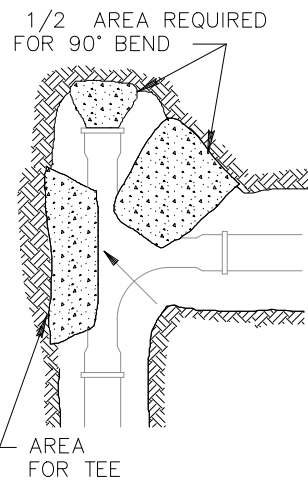
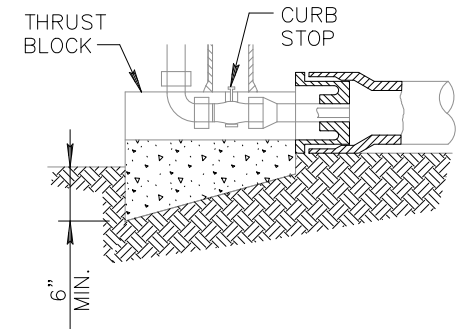
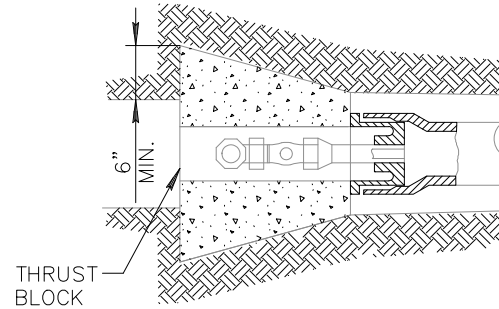
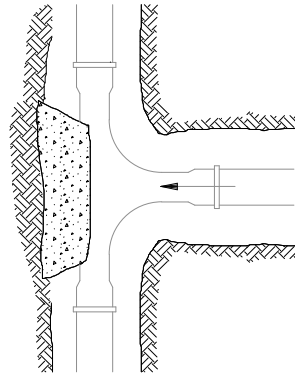
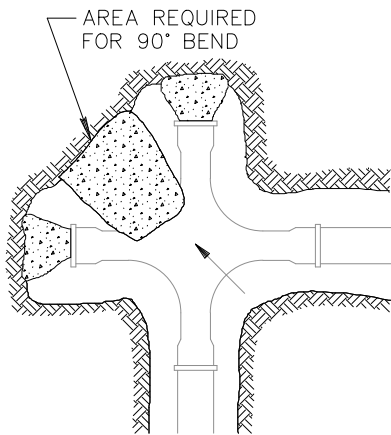
**TOCV STANDARD  
DETAIL**

## VERTICAL REALIGNMENT OF WATER MAINS

REVISED:  
4/11/2023

DETAIL No:  
**370CV**

## TYPICAL LOCATIONS OF THRUST BLOCKS

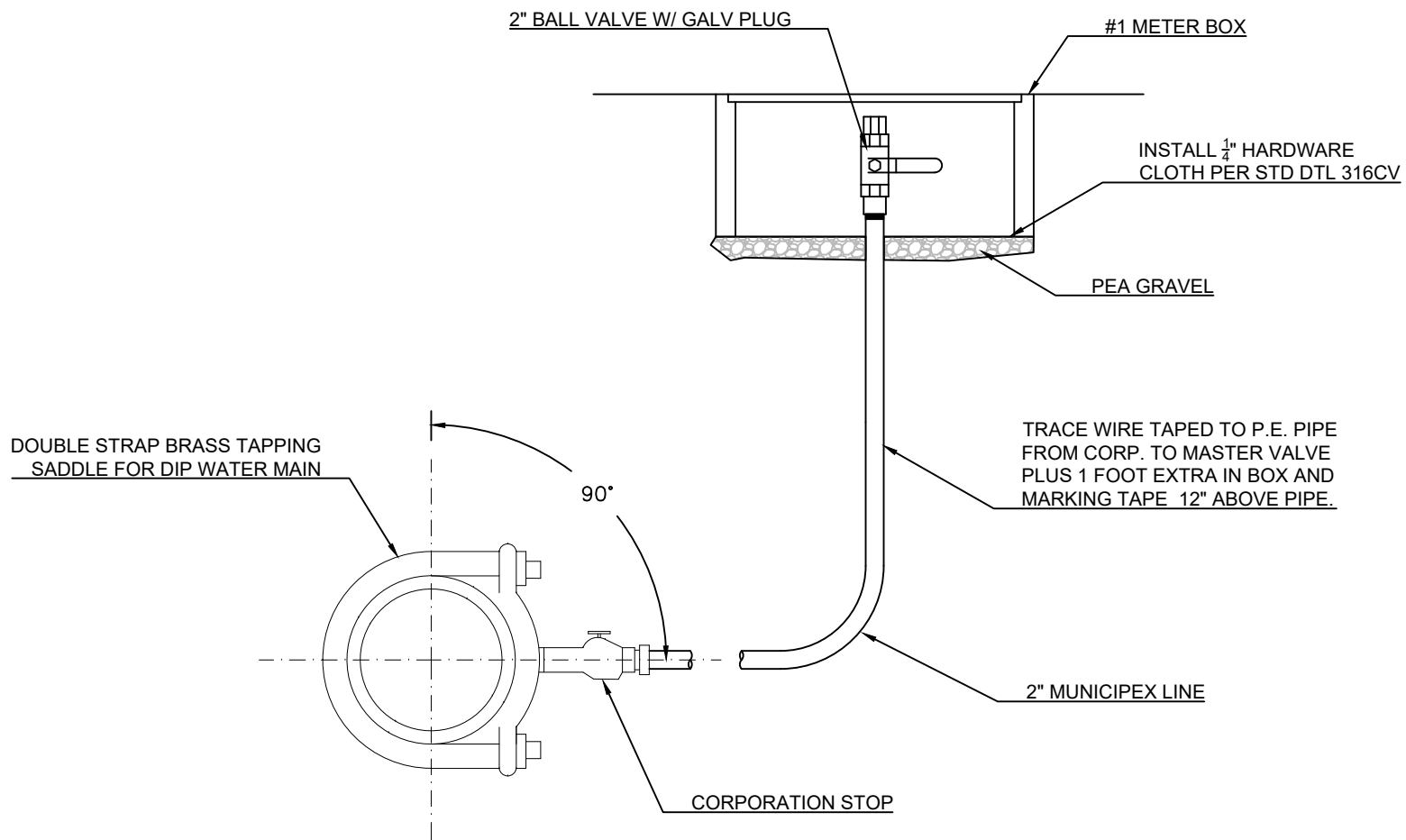


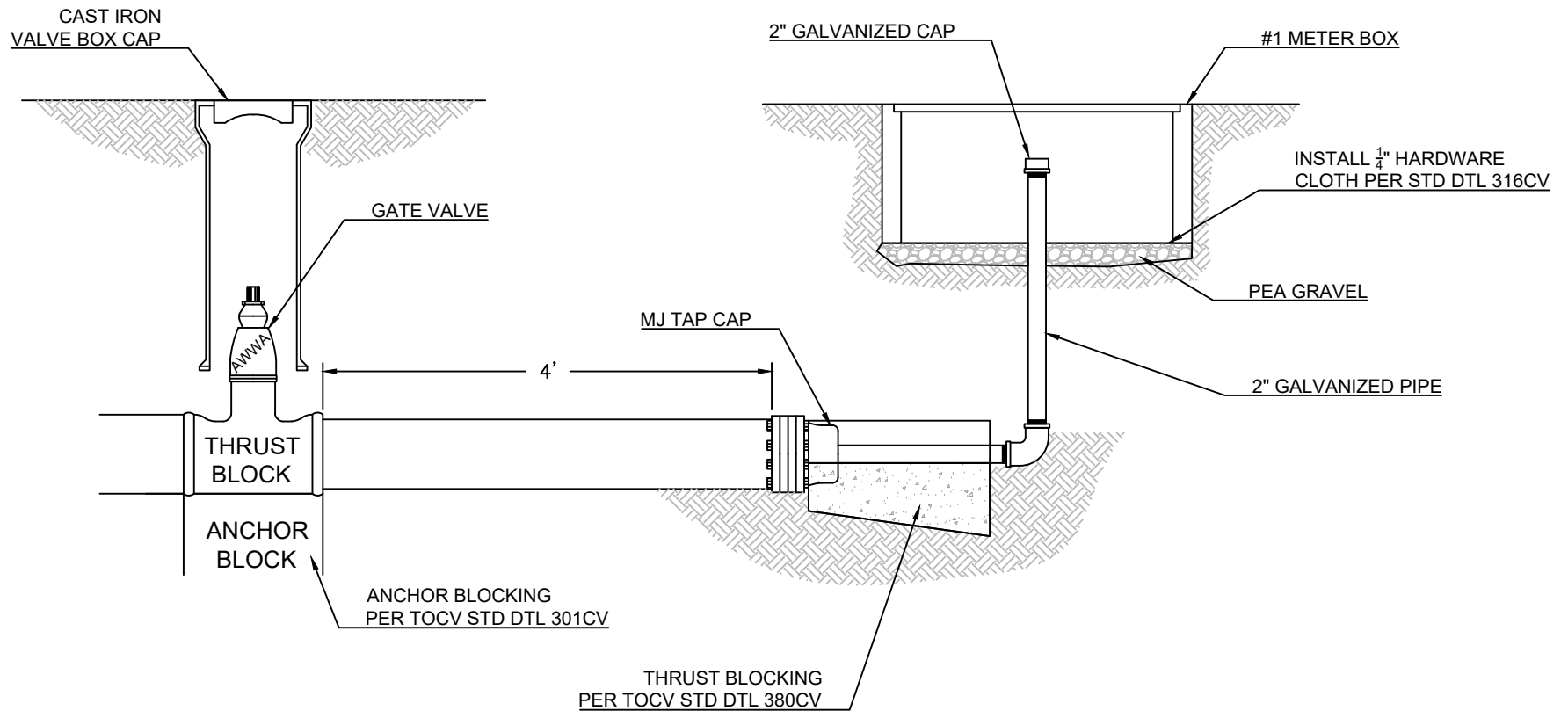
### NOTES:

1. TABLE IS BASED ON 200 P.S.I. TEST PRESSURE AND 3,000 LBS./SQ. FT. SOIL. IF CONDITIONS ARE FOUND TO INDICATE SOIL BEARING IS LESS, THE AREAS SHALL BE INCREASED ACCORDINGLY.
2. AREAS FOR PIPES LARGER THAN 16" SHALL BE CALCULATED FOR EACH PROJECT.
3. FORM ALL NON-BEARING VERTICAL SURFACES.
4. THRUST BLOCKS ARE TO EXTEND TO UNDISTURBED GROUND. CONCRETE TO BE CLASS 'C', SECT. 725.

### MINIMUM THRUST BLOCK AREA REQUIRED (YxW) (SQ. FT.)

| PIPE SIZE  | WATER PIPE              |                     |
|------------|-------------------------|---------------------|
|            | TEE, DEAD END, 90° BEND | 45° & 22 1/2° BENDS |
| 4" OR LESS | 3                       | 3                   |
| 6"         | 4                       | 3                   |
| 8"         | 6                       | 3                   |
| 10"        | 10                      | 5                   |
| 12"        | 14                      | 7                   |
| 16"        | 24                      | 12                  |



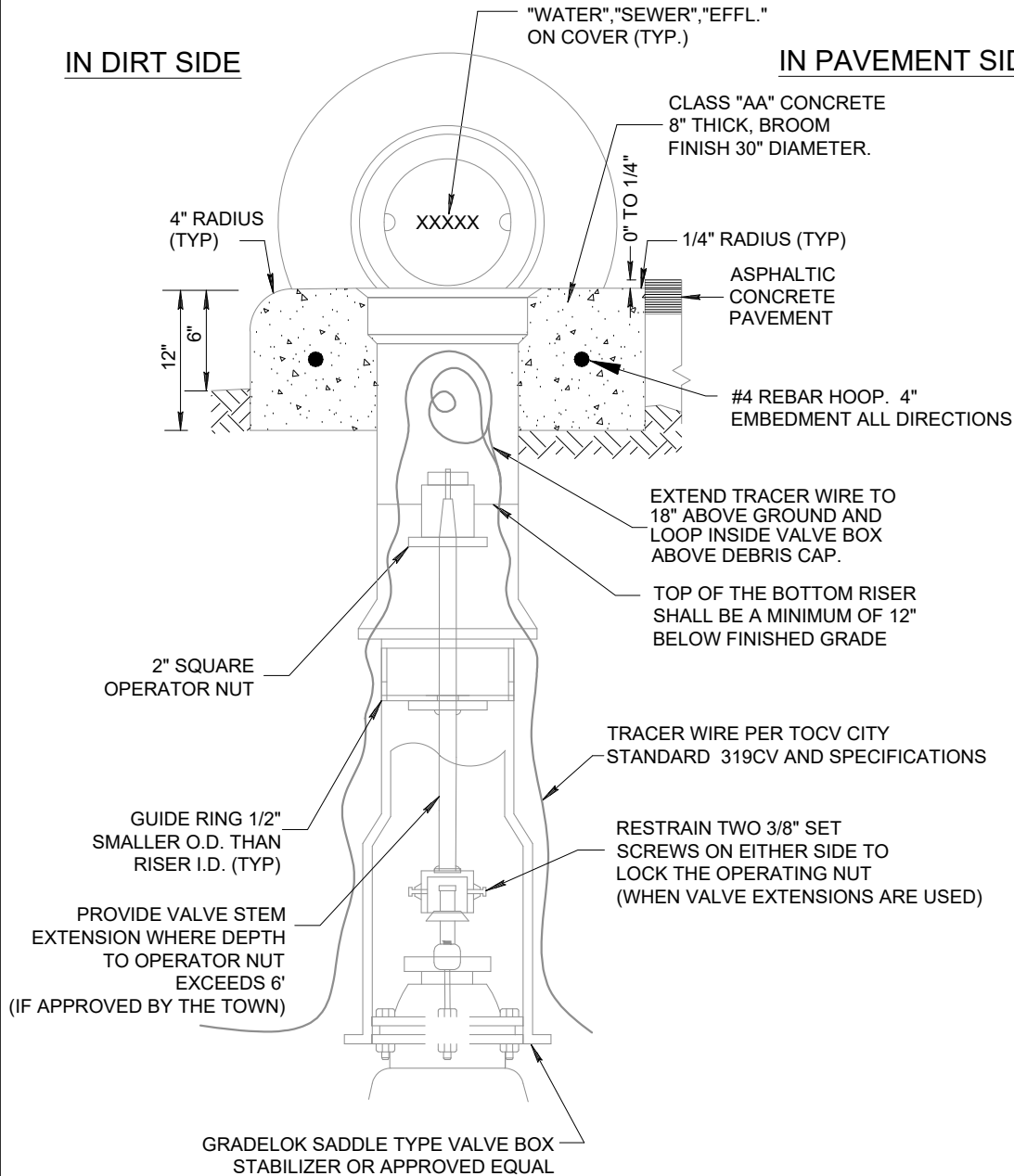


NOTES:

1. ALL GALVANIZED UNDERGROUND PIPE AND BOLTS TO BE WRAPPED
2. SEE STD DTL 316CV FOR BOX INSTALLATION

IN DIRT SIDE

IN PAVEMENT SIDE



NOTES:

1. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE AFTER PLACING OF THE FINISH PAVEMENT SURFACE.
2. USE PARKSON TYLER #6855, APCO OR EQUAL DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN. T.S. 30,000 P.S.I.
3. ALL VALVES CONNECTED TO EXISTING MAINS ARE TO BE OPERATED BY AGENCY PERSONNEL ONLY.
4. ALL STEEL FOR EXTENSION TO HAVE SHOP PRIME COAT ZINC CHROMATE, AND ONE HEAVY APPLICATION NO-OX-10 "A" IN ACCORDANCE WITH MANUFACTURE'S DIRECTION.
5. DEBRIS CAP PER MAG DETAIL 392.
6. VALVE BLOCKING REQUIRED PER TOCV STANDARD DETAIL 301CV.

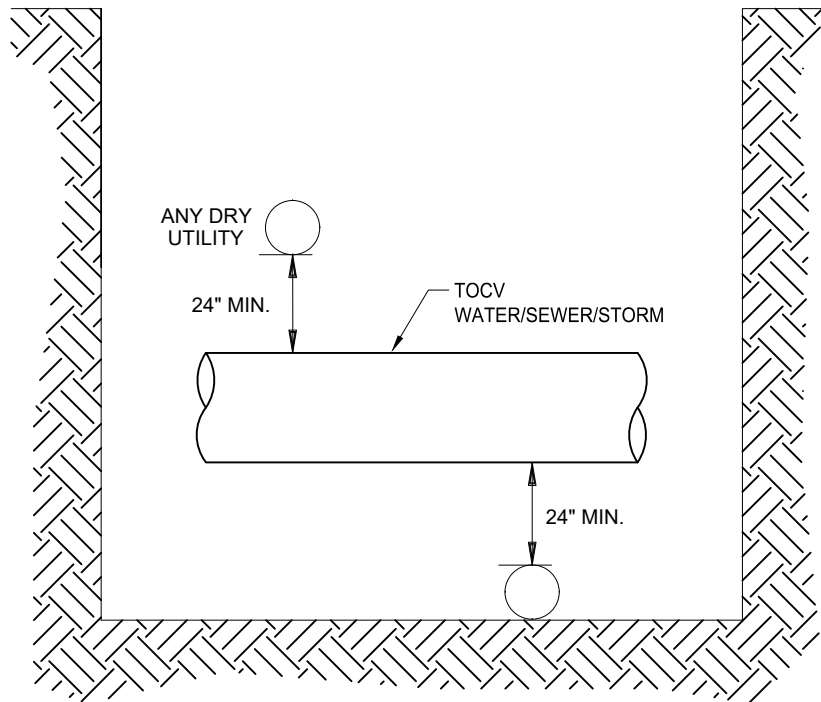


**TOCV STANDARD  
DETAIL**

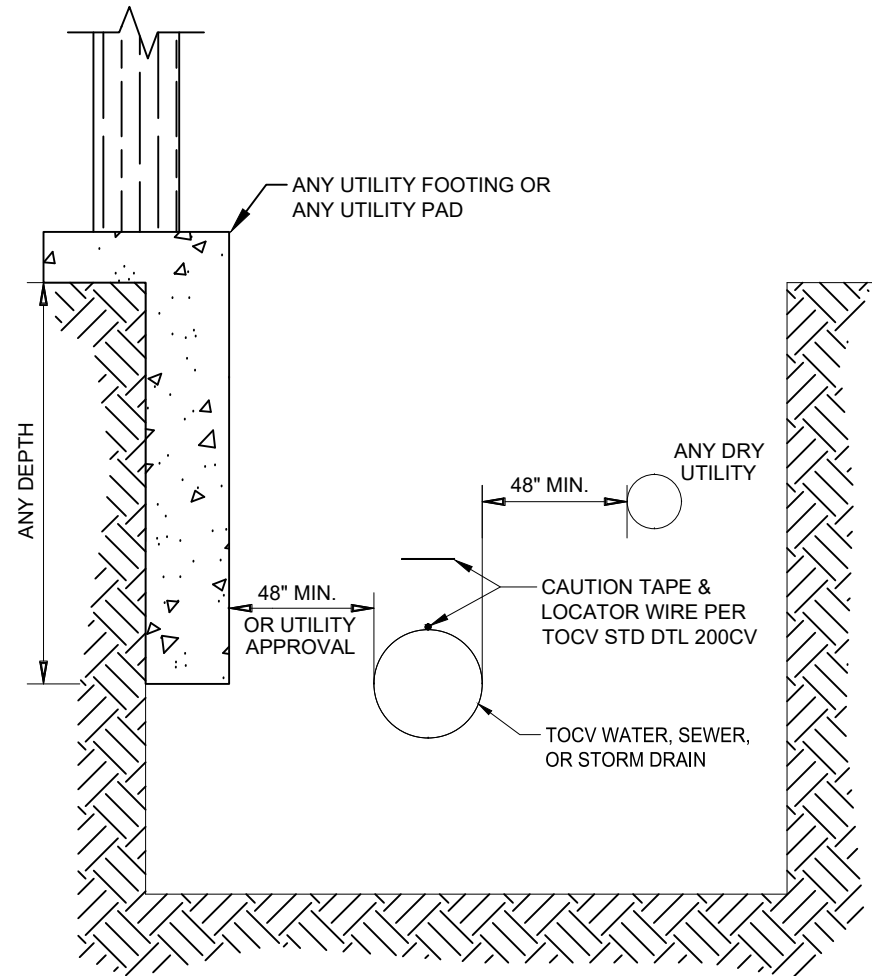
**VALVE BOX**

REVISED:  
4/11/2023

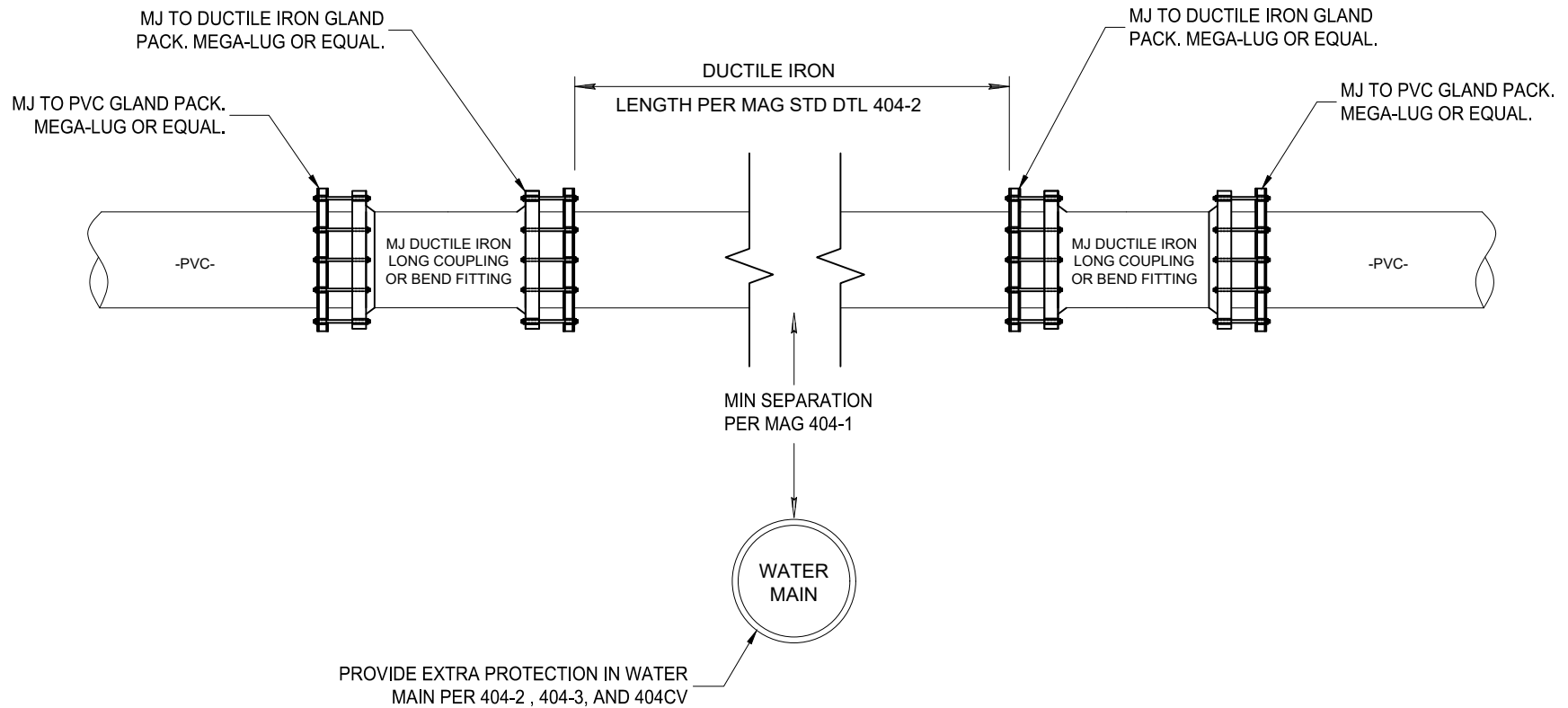
DETAIL No:  
**391CV**



VERTICAL CLEARANCE

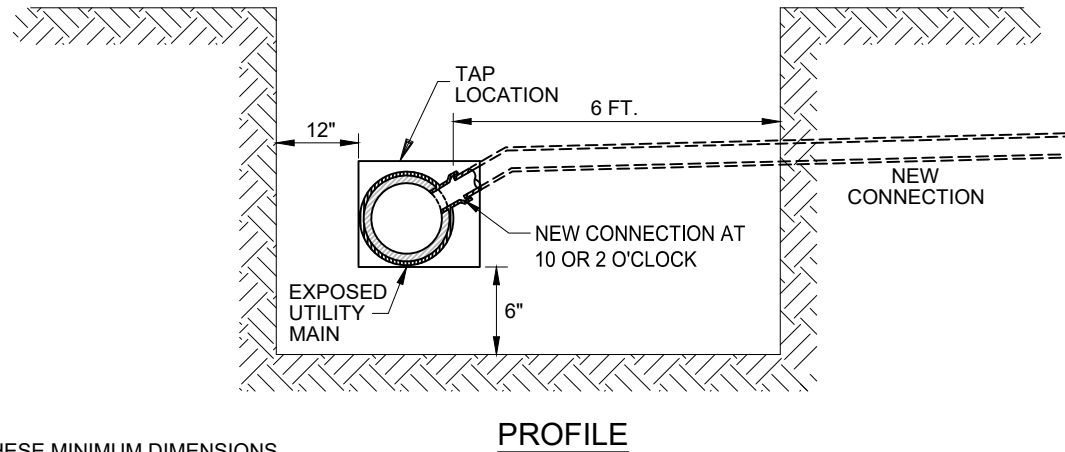
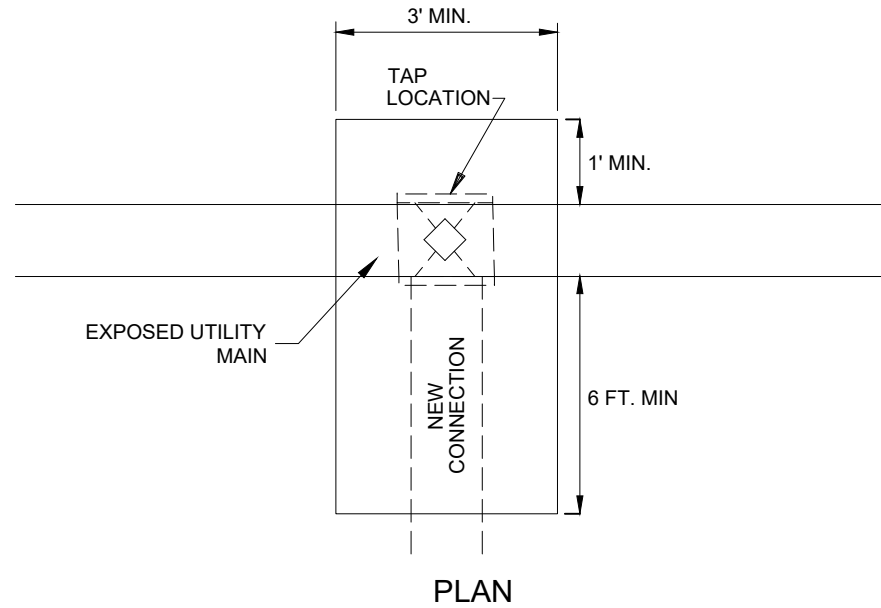


HORIZONTAL CLEARANCE



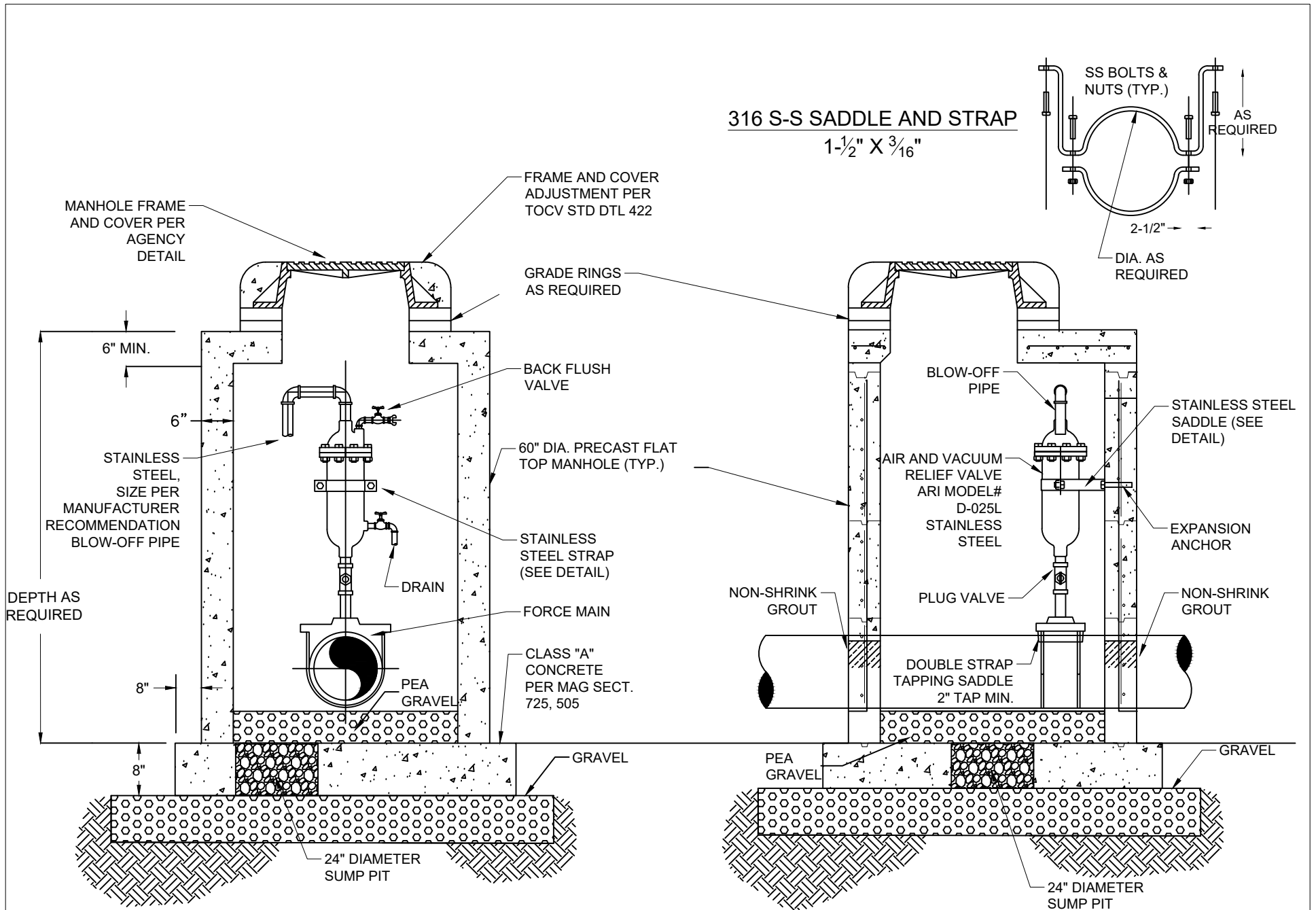
# **NOTE**

ALL SEWER MAIN CONSTRUCTION SHALL BE PER MAG STD 610 AND 615.



**NOTES:**

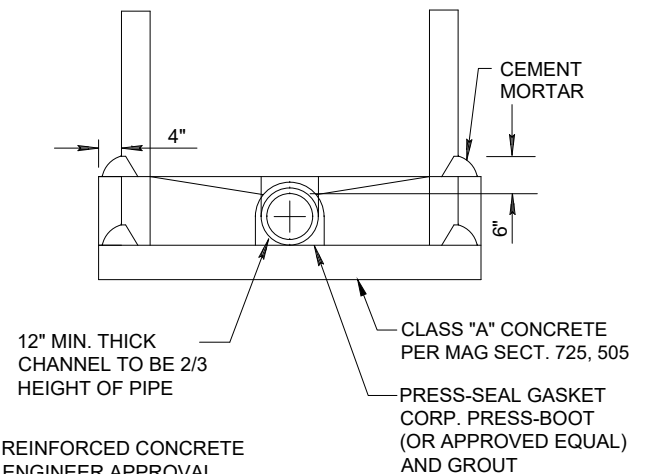
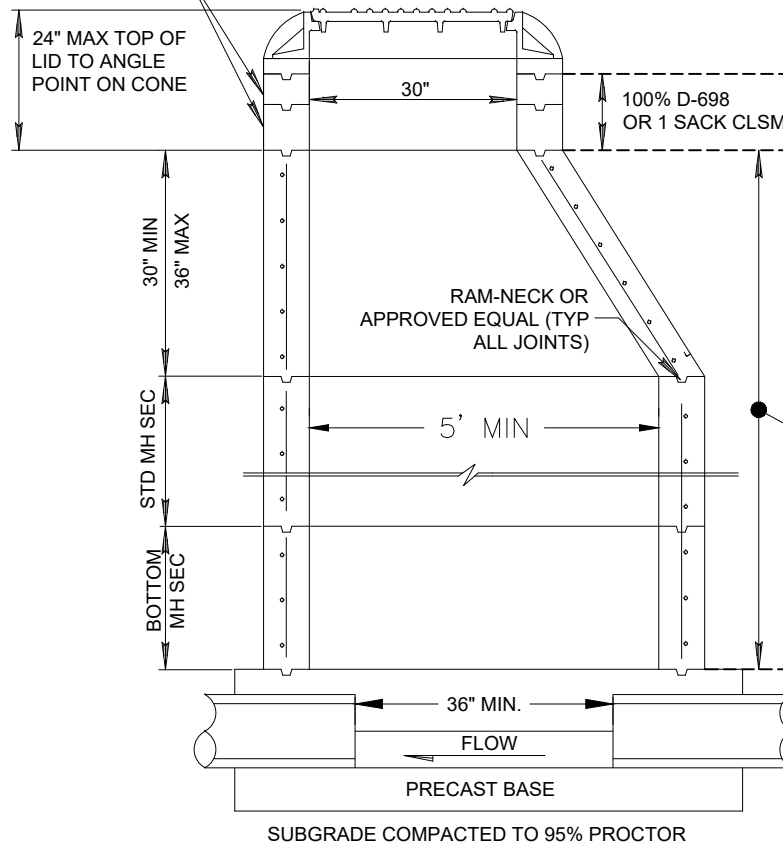
1. CONTRACTOR MUST EXPOSE MAIN TO THESE MINIMUM DIMENSIONS.
2. CONTRACTOR TO PROVIDE SAFE EXCAVATION CONFORMING TO O.S.H.A. REGULATIONS.
3. CONTRACTOR RESPONSIBLE FOR TAP.
4. CONTRACTOR RESPONSIBLE FOR NEW SEWER TAP UNDER TOWN SUPERVISION.



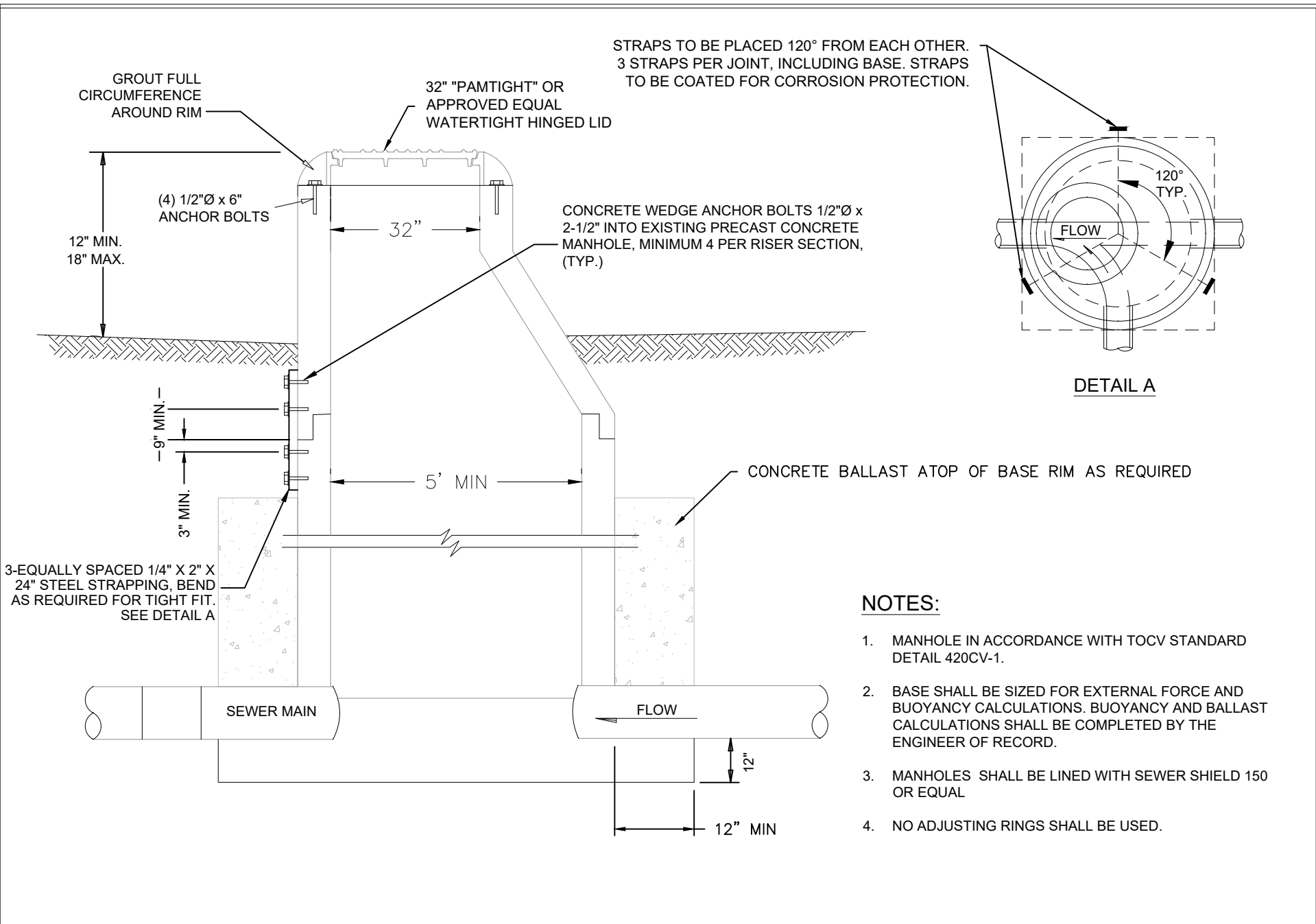
## NOTES:

1. 24" MAX. DISTANCE FROM CONE TO RIM WILL BE ATTAINED PRIOR TO SETTING CONE.
2. PRE-CAST, REINFORCED MANHOLE SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.T.M. C-478.
3. MANHOLE STEPS SHALL NOT BE USED.
4. ALL CONCRETE TO BE CURED AND PROTECTED.
5. GROUT ALL JOINTS TO SMOOTH SURFACE.
6. REQUIRING LINING SHALL BE LINED WITH SEWER SHIELD 150 OR EQUAL.
7. ENGINEER OF RECORD SHALL CERTIFY INVERT AND RIM ELEVATIONS TO ENSURE 24" MAX. DISTANCE FROM CONE TO RIM WILL BE ATTAINED PRIOR TO SETTING CONE.
8. ALL MANHOLES SHALL BE MIN 5' IN DIAMETER WITH 30" MINIMUM RINGS AND LIDS. MANHOLES AT A DEPTH OF 15' AND GREATER AND ALL MANHOLES WITHIN NON-RESIDENTIAL ROADS TO BE CONSTRUCTED OF POLYMER CONCRETE OR AS DIRECTED BY TOWN ENGINEER

REINFORCED CONC. ADJUSTING RINGS OR APPROVED EQUAL



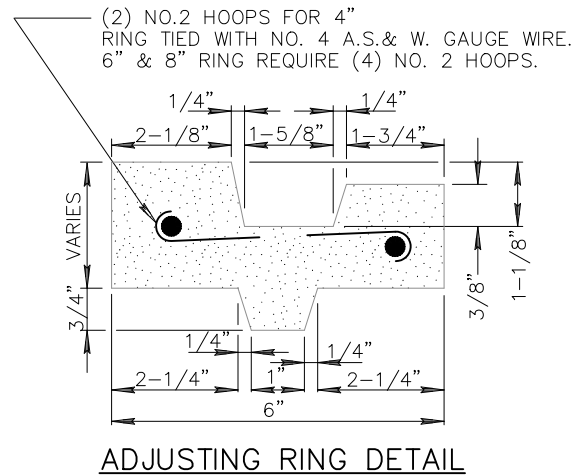
ALTERNATE:  
CAST IN PLACE REINFORCED CONCRETE  
BASE W/ TOWN ENGINEER APPROVAL.



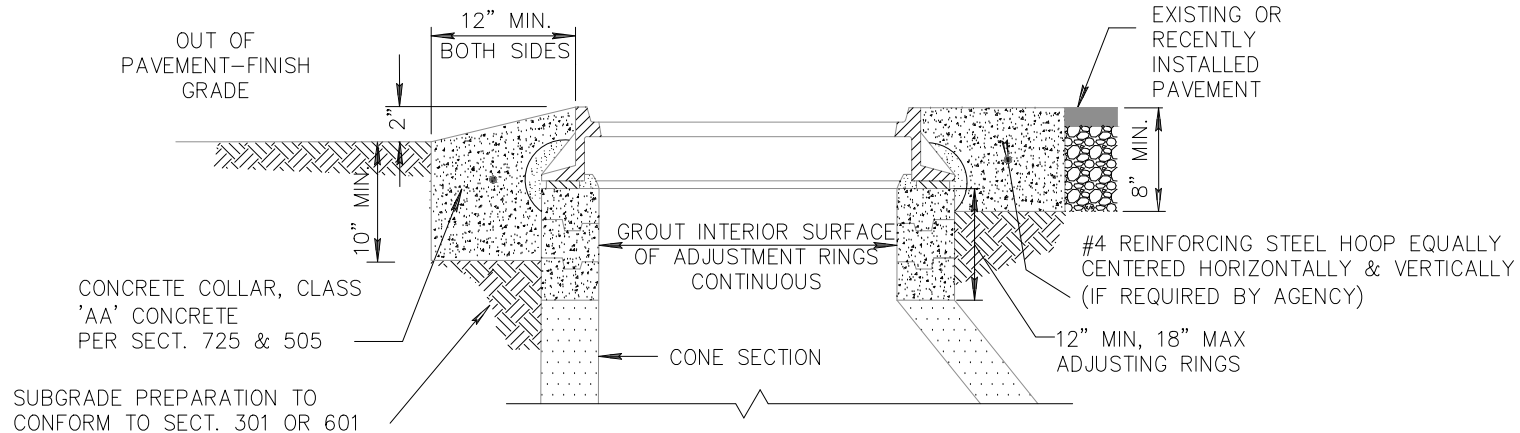
## NOTES (TYPE 'A'):

1. CONTRACTORS SHALL ADJUST ALL MANHOLE RINGS AND COVERS, INCLUDING MANHOLES OUTSIDE OF THE PAVEMENT.
2. ADJUSTMENT SHALL BE CONSTRUCTED PER MAG SECTION 345.
3. MANHOLE COATINGS PER SECTION 626.
4. GROUT SHALL BE USED BETWEEN FRAME AND ADJUSTING RING TO ACHIEVE WATER TIGHTNESS.

| SPACER TYPE        | REQUIRED THICKNESS        |
|--------------------|---------------------------|
| BRICK              | GREATER THAN 2"           |
| 4"X2" STEEL SPACER | $\frac{1}{2}$ " TO 2"     |
| GROUT              | LESS THAN $\frac{1}{2}$ " |



MEDIUM BROOM FINISH WITH RADIALLY SCORED MARKS (4 MIN.)

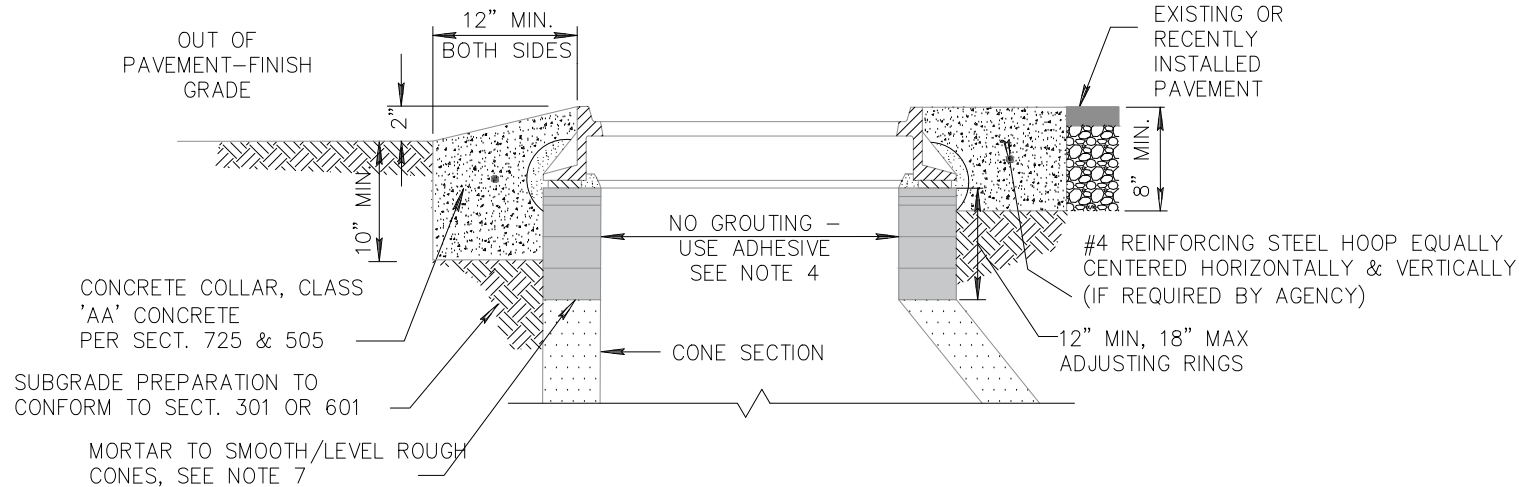


**TYPE 'A' CONCRETE RINGS**

## NOTES (TYPE 'B'):

1. CONTRACTORS SHALL ADJUST ALL MANHOLE RINGS AND COVERS, INCLUDING MANHOLES OUTSIDE OF THE PAVEMENT.
2. ADJUSTMENT SHALL BE CONSTRUCTED PER MAG SECTION 345.
3. ADJUSTMENT RINGS PER AGENCY LIST OF APPROVED PRODUCTS. USE ONLY APPROVED FLAT OR SLOPED SPACER RINGS AS REQUIRED. NO OTHER SPACERS OF ANY KIND ALLOWED INCLUDING GROUT, ROCKS, STICKS, WOOD SHIMS, BRICK ETC
4. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATION INCLUDING ADHESIVE AND APPLICATION OF ADHESIVE BETWEEN EACH RING, THE CONE AND BOTTOM RING, AND FRAME & COVER AND TOP RING. ADHESIVE SHALL MEET VACUUM TESTING REQUIREMENTS.

MEDIUM BROOM FINISH WITH RADIALLY SCORED MARKS (4 MIN.)

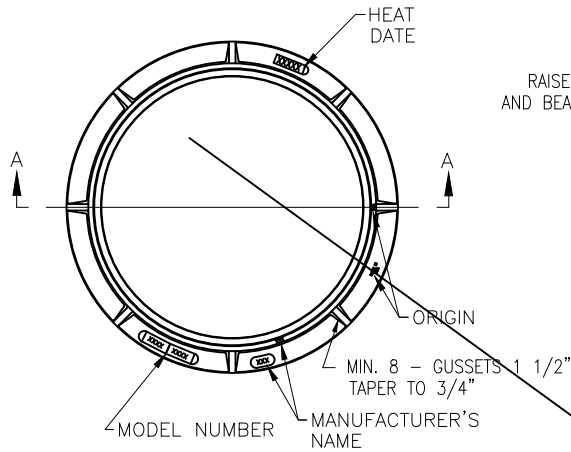


**TYPE 'B' CORROSION-RESISTANT RINGS**

## NOTES (CONT):

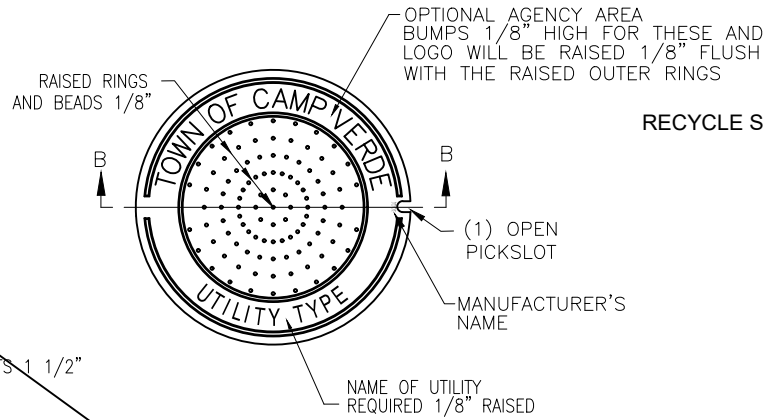
5. ADJUSTMENT RING PRODUCTS SHALL NOT BE MIXED IN SAME MANHOLE.
6. CARE SHALL BE TAKEN TO ENSURE NO SHIFTING OF RINGS, AND FRAME & COVER OCCURS WITH BACKFILLING AND CONCRETE COLLAR INSTALLATION.
7. CORROSION PROTECTIVE COATING PER SECTION 626 SHALL BE APPLIED TO ALL EXPOSED MORTAR.
8. FIBERGLASS MANHOLES WITH NECKS REQUIRE 32" TRANSITION AND SPACER RINGS TO ENSURE NO WEIGHT IS ON NECK. 12" MIN, 18" MAX ADJUSTING RINGS MEASURED ABOVE MANHOLE NECK.

FRAME TOP VIEW

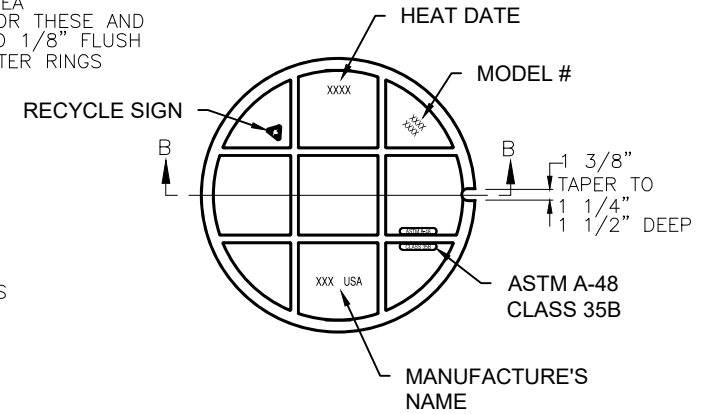


FRAME WT. (CL. 35) – 227 LBS

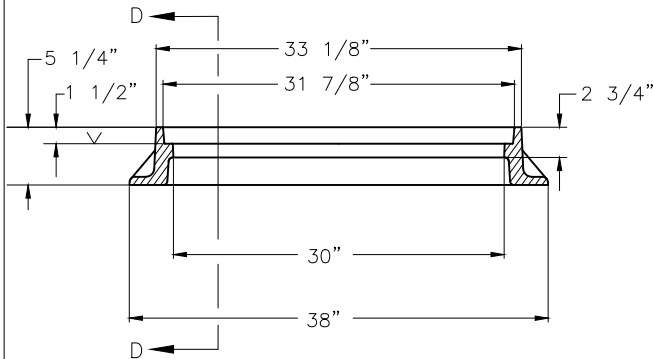
COVER TOP VIEW



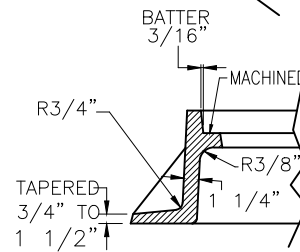
COVER BOTTOM VIEW



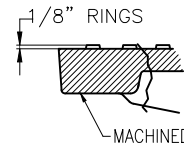
COVER WT. (CL. 35) – 210 LBS



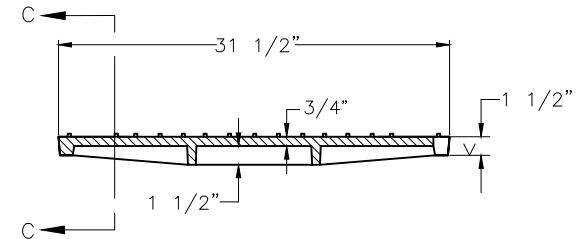
SECTION A



SECTION D



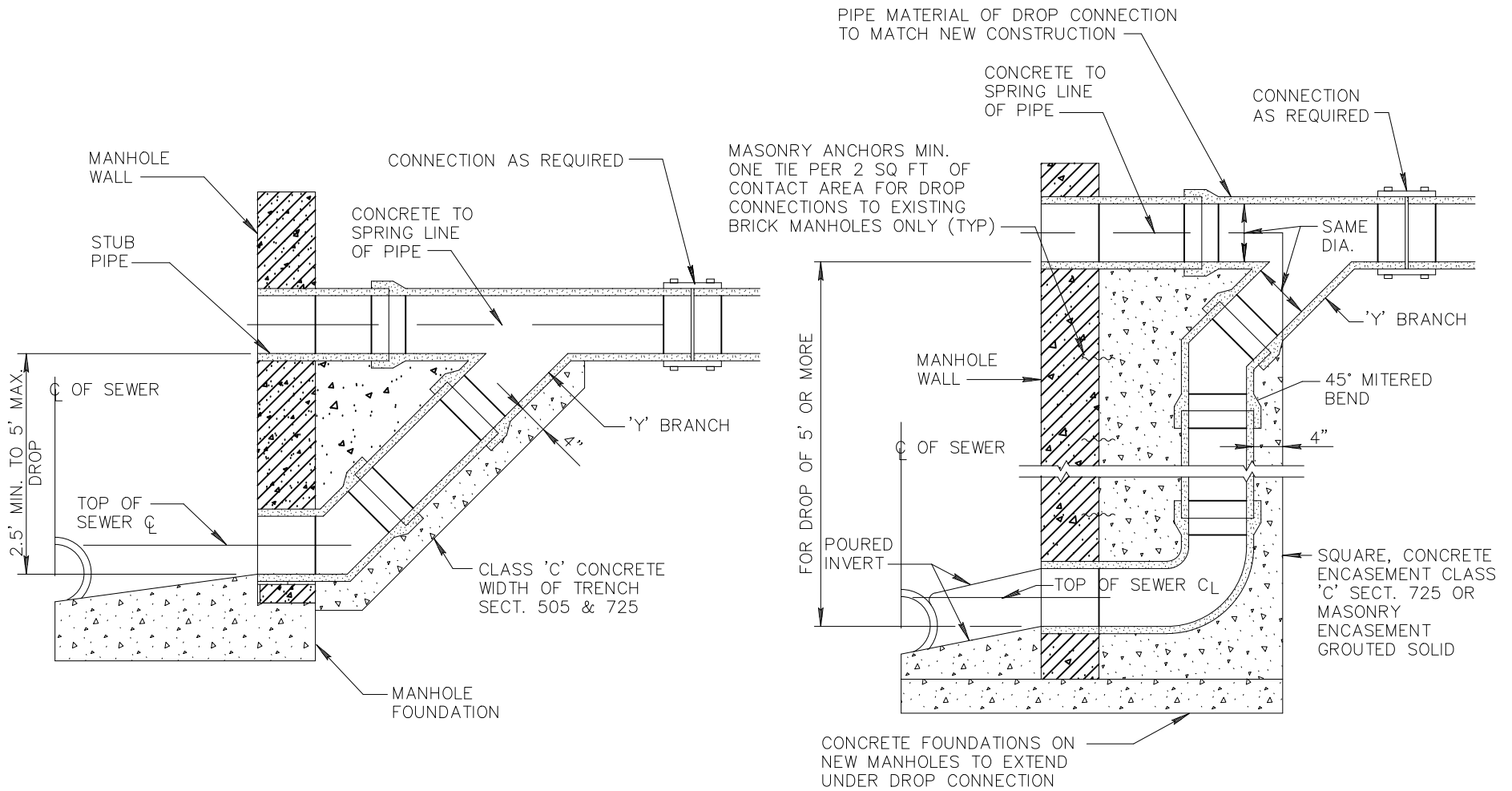
SECTION C



SECTION B

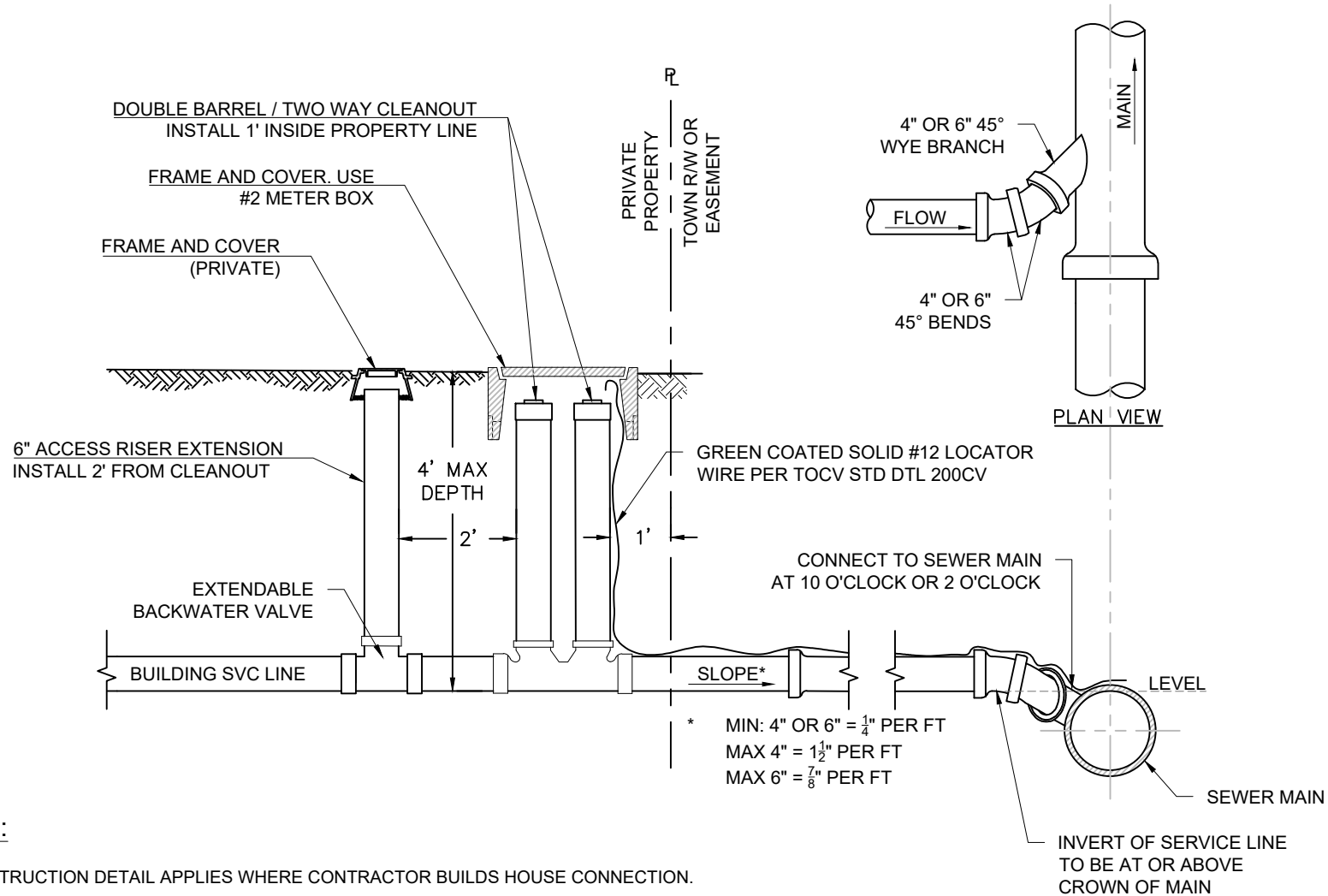
**NOTE:**

LETTERING ON MANHOLE COVER TO CONTAIN NAME OF AGENCY AND UTILITY FOR WHICH MANHOLE IS NEEDED, (I.E. "TOCV SANITARY SEWER"), OR AS DIRECTED. THE TOTAL WIDTH OF INDIVIDUAL LETTERS TO BE SUCH THAT LETTERS AND WORDS ARE EQUALLY SPACED AND BALANCED TO FORM A COMPLETE CIRCLE WITH SPACERS BEFORE AND AFTER THE WORD IDENTIFYING THE AGENCY INVOLVED. LETTERS TO BE 2" IN HEIGHT AND RAISED FLUSH W/ TOP OF COVER. TYPE OF LETTERS TO BE SUBMITTED FOR APPROVAL. WEIGHT OF CASTINGS SHALL BE NO MORE THAN 2% MORE OR LESS THAN THE APPROXIMATE WEIGHT SPECIFIED. CASTINGS SHALL CONFORM TO ASTM A-48, CLASS 35 AND AASHTO M306. THE BEARING SURFACES OF THE FRAMES AND COVERS SHALL BE MACHINED AND THE COVERS SHALL SEAT FIRMLY WITHOUT ROCKING. ALL DIMENSIONS SHALL HAVE A 1/16" TOLERANCE.



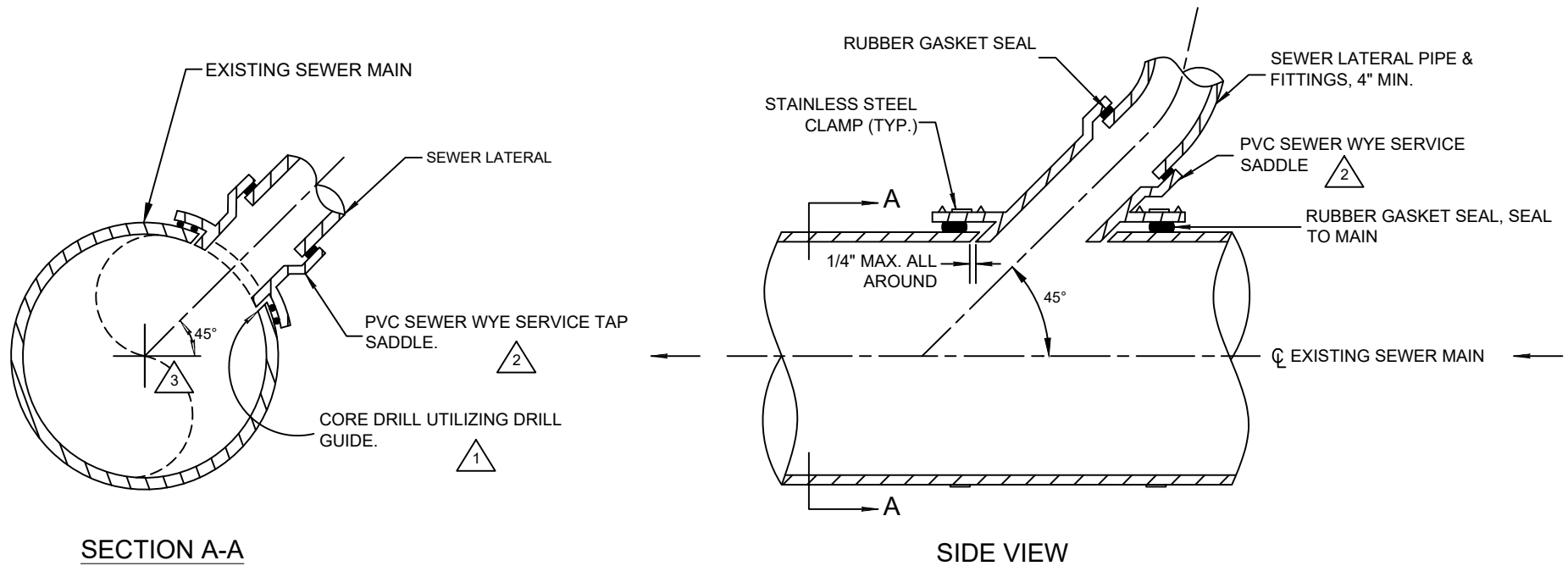
TYPE A  
2.5' TO 5' DROP

TYPE B  
5' OR MORE



#### NOTES:

1. CONSTRUCTION DETAIL APPLIES WHERE CONTRACTOR BUILDS HOUSE CONNECTION.
2. RESIDENTIAL SERVICE LINE SHALL BE MINIMUM 4". SERVICE LINE FROM COMMERCIAL BUILDING TO BE MINIMUM 6".
3. SIZE OF TAP SHALL BE DESIGNATED ON PLANS.
4. CLEANOUT DEPTH TO BE NO GREATER THAN 4'. IF DEPTH REQUIRES, MINIMUM SLOPE CAN BE REDUCED TO  $\frac{1}{8}$ " PER FOOT.
5. ALL FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM-2321. CONTRACTOR MAY VARY FROM THE DRAWING AND USE APPROPRIATE WYES, TEE-WYES, AND BENDS TO ENSURE NO MISALIGNMENT OF THE PIPE AND FITTINGS.



#### NOTES:

1. EXISTING SEWER MAINS SHALL BE CORE DRILLED UTILIZING A DRILL GUIDE FOR A WYE SADDLE AND A CORE DRILL WITH A LENGTH EXCEEDING THE LATERAL DIAMETER, INSERT-A-DRILL IDY75 & EXTRA LONG HOLE SAW OR APPROVED EQUAL. DIAMOND CORE BITS SHALL BE USED ON NON-PVC MAINS.
2. SERVICE TAP SADDLES SHALL BE PVC SEWER WYE SADDLES. A ROMAC STYLE "CB" SEWER SADDLE OR APPROVED EQUAL MAY BE USED ON EXISTING SEWER MAINS ONLY WHEN MAIN IS NOT PVC.
3. SADDLES SHALL BE INSTALLED AT 45 DEGREES TO MAIN AS SHOWN IN SECTION A-A. IN NO CASE SHALL A LATERAL CONNECTING TO THE EXISTING SEWER MAIN BE LOCATED DIRECTLY ON TOP OF THE PIPE, NOR SHALL IT MATCH THE FLOWLINE OF THE PIPE.
4. SERVICE TAP SHOULD BE SPACED AT A MINIMUM OF 3' AWAY FROM EXISTING SEWER TAP.



Meeting Date: August 21, 2024

Agenda Item Type:

- ☐ Consent Agenda
- ☐ Informational Presentation
- ☒ Discussion Item
- ☐ Action/Decision Item
- ☐ Executive Session Request
- ☐ Other:

Requesting Department: Town Manager                      Staff Resource: Miranda Fisher, Town Manager

Agenda Title: Discussion of 2024 League Resolutions with the purpose of providing direction to the Mayor on which resolutions the Town of Camp Verde supports.

Estimated Presentation Time: 5 minutes                      Estimated Discussion Time: 20 minutes

Reviewed By:

- ☐ Town Manager
- ☐ Legal
- ☐ Risk Management
- ☐ Finance
- ☐ Other:

Financial Review (if applicable): N/A

- Funding Source / GL Account Number:
- Approved in the FY25 Budget? ☐ Yes                      ☐ No                      ☒ N/A                      ☐ Other:
- Is this an approved CIP Project? ☐ Yes                      ☐ No                      ☒ N/A                      ☐ Other:

Background Information:

On August 27, 2024, the Resolutions Committee for the League of Arizona Cities and Towns will be meeting to discuss which resolutions the League wants to support. Mayor Jenkins serves as the Town’s voting member of the Resolutions Committee and is seeking feedback from the Town of Camp Verde Council on which resolutions the Council recommends supporting.

Connection to the [FY25-FY30 Strategic Plan](#)

By participating in the Resolutions Committee, the Town is advancing its focus of good governance.

Question(s) before the Council:

- Which resolutions does the Council recommend the Town support?

Proposed Motion: N/A

# 2024 Resolutions Packet



July 30, 2024

Dear Mayor,

As chair of the 2024 League Resolutions Committee, it is my pleasure to provide this packet for your participation in the Resolutions Committee at this year's League Annual Conference. The chairs of five League Policy Committees will present the Resolutions discussed in their respective committees to the Resolutions Committee.

Included in this packet you will find:

- Resolutions Committee Calendar
- Resolutions Committee Procedures
- Policy Committee Reports and Resolutions

As the first order of business at the conference, the Resolutions Committee will meet on **Tuesday, August 27, 2024, at 1:30 p.m.** Lunch will be available starting at 12:30 p.m. The actions of the full Resolutions Committee will be formally adopted at the League's Annual Business Meeting on **Thursday, August 29, 2024, at 4:00 p.m.**

If you have not accepted your appointment or designated a council representative to serve your city/town on the 2024 Resolutions Committee, please make that appointment [here](#).

We look forward to having all member cities and towns participate in the Resolutions Committee. If you have any questions or comments about the Resolutions Committee, your appointment, or the resolutions submittal process, please contact the League office.

Sincerely,



Mayor Kevin Hartke, Chandler  
League Vice President

Enclosures

cc (via email): Managers, Clerks without Managers, Intergovs

# 2024 Resolutions Committee Calendar

- May-June:** Policy Committees meet
- June 27:** League sends email requesting mayors or council designees register to represent their city/town on Resolutions Committee
- July 30:** League sends out resolutions packet to membership
- August 27:** Resolutions Committee Meeting
- August 29:** Resolutions ratified at the Annual Business Meeting

# League of Arizona Cities and Towns Resolutions Committee Procedures

## 1. Resolutions Committee Appointment

At least two (2) months prior to the Annual Conference, the President shall appoint members of the Resolutions Committee. The League Vice-President shall serve as chair of the Resolutions Committee. Only one elected official from each city or town shall be appointed to the Committee and shall cast the vote of such city or town. Municipal staff are ineligible to serve on the committee.

## 2. Duties

The Resolutions Committee shall adopt statements of policy amending the annual Municipal Policy Statement, special resolutions and such other resolutions of courtesy, commendation or appreciation as the Committee deems appropriate.

## 3. Submission of Resolutions

- A. Except as otherwise provided, all proposed resolutions submitted by a city or town, including resolutions of courtesy, commendation, or appreciation, must be considered by the Policy Committees by submitting the resolution to the Chairman of the Committee or to the League office. The resolutions process allows cities and towns to submit policy ideas to the League at any time during the year without the requirement of a co-sponsoring city or town. If approved by a policy committee, League staff will draft the resolution for presentation to the full Resolutions Committee. Sponsoring cities and towns, or other interested stakeholders may be consulted to provide more information on the idea and may be invited to speak to the issue at one of the policy committee meetings.
- B. Except in the case of emergency as determined by the Chair of the Resolutions Committee, no resolutions submitted by a city or town after the deadline specified in subsection A of this section or that have not been vetted by the Policy Committees may be considered.
- C. League staff may submit resolutions for consideration by the full Resolutions Committee if issues have not been addressed through the policy committee process.

## 4. Resolutions Committee Process

- A. The Vice-President shall assign submissions to the relevant Policy Committee. The Policy Committees will review submissions and develop pertinent resolutions for consideration by the Resolutions Committee. Except for the provisions of subsection 3, only resolutions advanced by the Policy Committees shall be discussed at the Annual Conference Resolutions Committee.
- B. Resolutions shall be amended according to the process established by the Chairman of the Committee.
- C. The completed resolutions will go to the full Resolutions Committee at the Annual Conference for consideration. The chairs of each policy committee will be responsible for presenting the resolutions and their committee activities to the full Resolutions Committee. Each member shall be notified at least four weeks before the meeting.

## 5. Final Report

After the Resolutions Committee meeting, the Chairman of the Committee or a designee shall report to the entire league membership at the Annual Business Meeting those resolutions adopted by the Committee. Resolutions adopted by the Committee shall be formally adopted by the membership at the Annual Business Meeting and become the basis for the annual Municipal Policy Statement.

# Policy Committee Reports

The following policy committee reports, and resolutions are arranged in alphabetical order. The recommended resolutions are categorized by their respective committee initials and numbered according to the order in which they were approved.

## Budget, Finance and Economic Development – BFED

## General Administration, Human Resources and Elections – GAHRE

## Neighborhoods, Sustainability and Quality of Life – NSQL

## Public Safety, Military Affairs, and the Courts – PSMAC

## Transportation, Infrastructure and Public Works – TIPW

| NUMBER  | RESOLUTION                                                                                                                                                                                                  | SPONSOR     | NOTES                                   |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------|
| BFED 1  | Proactively seek solutions to offset loss of funds resulting from the rental tax repeal and preserve current revenue streams.                                                                               | Goodyear    |                                         |
| BFED 2  | Work with state partners to authorize municipalities to use Tax Increment Financing.                                                                                                                        | Tempe       |                                         |
| GAHRE 1 | Clarify statute to authorize the Secretary of State and municipal clerks to enforce strict compliance of all constitutional and statutory requirements for referendums.                                     | Surprise    | Amending A.R.S. § 19-101.01             |
| GAHRE 2 | Lift the prohibition on candidates for local office from transferring campaign funds to allow for equal treatment among candidates and encourage candidates with local experience to run for higher office. | Goodyear    | Amending A.R.S. § 16-913                |
| NSQL 1  | Restore local control to allow the establishment of local policies to incentivize the development of attainable and below market housing.                                                                   | Tempe       | Amending A.R.S. § 9-461.16              |
| PSMAC 2 | Clarify statute to apply immunity only to claims arising from a public employee's operation of a motor vehicle and affirm that the statute is an immunity statute.                                          | Surprise    | Amending A.R.S. § 12-820.05             |
| PSMAC 4 | Allow public bodies to withhold records that could identify a victim of or witness to a crime if there is reasonable belief they will be subject to harassment.                                             | Queen Creek | Amending A.R.S. § 13-4434 and 39-123.01 |

**These are the only items that will be voted on. The other submissions that did not move forward as resolutions will be explained at the Resolutions Committee.**

# Chair's Report of the Budget, Finance and Economic Development Policy Committee

Mayor Kevin Hartke, Chair

## Resolutions Committee Meeting, League Annual Conference

On **June 12, 2024**, the Budget, Finance and Economic Development committee (BFED) convened to discuss two policy issues submitted by Goodyear and Tempe. Below is a summary of the issues considered and committee discussion and recommendations.

### 1. Proactively seek solutions to offset loss of funds resulting from the rental tax repeal and preserve current revenue streams - Goodyear (BFED 1)

Goodyear Councilmember Brannon Hampton presented **BFED 1** explaining the need to protect existing revenue sources and seek offsets from previously lost revenue sources. Chandler Mayor Hartke sought clarification as to whether this would be a policy statement or whether this would turn into a legislative proposal. League staff explained that this would provide direction going into the next legislative session and reiterated the League's two core principles: preserving local decision-making and protecting shared revenues. Glendale Councilmember Joyce Clark suggested that the proposal go further by identifying specific revenue sources that could recover the loss of shared revenue.

After discussion, Councilmember Hampton made a motion to approve **BFED 1** as a resolution to be considered by the Resolutions Committee. Councilmember Clark seconded the motion, and it passed unanimously via voice vote.

### 2. Work with state partners to authorize municipalities to use Tax Increment Financing - Tempe (BFED 2)

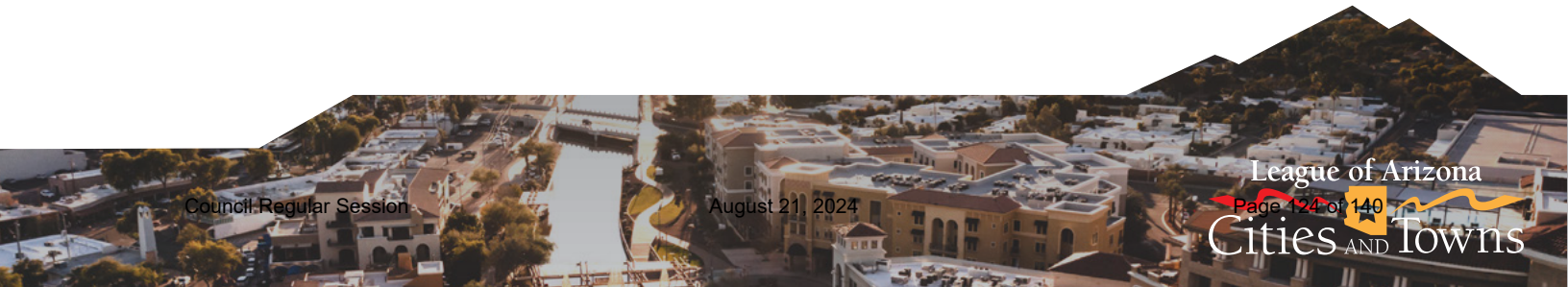
Tempe Mayor Corey Woods presented **BFED 2** explaining that Arizona is the only state in the country that cannot utilize this valuable tool. Surprise Councilmember Chris Judd expressed support and proposed that any legislation moving forward ought to allow both underdeveloped and underutilized properties to take advantage of this policy tool. Councilmember Clark expressed strong support despite the lack of support from the legislature. Prescott Mayor Phil Goode commented that this next legislative session may be different as it has become so clear that incentives for housing development are critical.

After discussion, Mayor Woods made a motion to approve **BFED 2** as a resolution to be considered by the Resolutions Committee. Kingman Councilmember Cengiz Arik seconded the motion, and it passed unanimously via voice vote.

The table below summarizes the **BFED** Committee’s actions:

| POLICY ISSUE                | DISPOSITION BY COMMITTEE |
|-----------------------------|--------------------------|
| 1. Protecting Local Revenue | Approved                 |
| 2. Tax Increment Financing  | Approved                 |

**Kevin Hartke**  
Mayor of Chandler  
Chair, Budget, Finance and Economic Development Committee



# BFED 1

## League of Arizona Cities & Towns Resolution

***Proactively seek solutions to offset loss of funds resulting from the rental tax repeal and preserve current revenue streams.***

### **A. Purpose and Effect of Resolution**

Aligned with the League's existing tenets, empower the organization to proactively seek legislative solutions to ensure an offset of funds from the loss of residential rental taxes, and any other action that results in the loss of municipal revenue sources that may occur in future years. Ensure that local control is maintained to protect local revenue sources.

### **B. Relevance to Municipal Policy**

Beginning January 1, 2025, municipalities will be prohibited from levying a residential rental tax – a statewide impact upwards of \$230M. There are many other existing statutory authorities in place that are critical to ensure local governments have control over their own budgetary needs, including A.R.S. § 42-6015 allowing municipalities to levy a food tax and A.R.S. § 43-206 providing municipalities 18% of the state income tax. These critical funds allow local elected officials to be able to make decisions for their communities that provide residents with necessary services, including public safety, community planning, and quality of life amenities.

### **C. Fiscal Impact to Cities and Towns**

Potential positive fiscal impact in maintaining current revenue sources.

### **D. Fiscal Impact to the State**

No fiscal impact to the state.

### **E. Contact Information:**

**Sponsoring City or Town:** Goodyear

**Name:** Ginna Carico, Government Relations Manager

**Phone:** (623) 882-7082

**Email:** [Ginna.Carico@goodyearaz.gov](mailto:Ginna.Carico@goodyearaz.gov)

**League Staff:** Tom Savage

## BFED 2

### League of Arizona Cities & Towns Resolution

***Work with state partners to authorize municipalities to use Tax Increment Financing.***

#### **A. Purpose and Effect of Resolution**

Seek legislation to authorize the use of Tax Increment Financing (TIF) to redevelop blighted, underserved, and underutilized properties.

#### **B. Relevance to Municipal Policy**

Blighted, underserved, and underutilized areas of cities and towns can negatively impact the surrounding community. To attract new investment, developers often need some guarantee on their investment. Tax increment financing is a tool where taxes on future land values are used to pay for new development within a designated district. Arizona is the only state that does not allow cities and towns to utilize TIF.

#### **C. Fiscal Impact to Cities and Towns**

No fiscal impact to cities and towns.

#### **D. Fiscal Impact to the State**

No fiscal impact to the state.

#### **E. Contact Information:**

**Sponsoring City or Town:** Tempe

**Name:** Jonathan Shuffield, Government Relations Director

**Phone:** (480) 350-8922

**Email:** Jonathan\_Shuffield@tempe.gov

**League Staff:** René Guillen

# Chair's Report of the General Administration, Human Resources and Elections Committee

Mayor Alexis Hermosillo, Chair

## Resolutions Committee Meeting, League Annual Conference

On **May 7, 2024**, and **June 11, 2024**, the General Administration, Human Resources and Elections Committee (GAHRE) convened to discuss two policy issues submitted by Surprise and Goodyear. Below is a summary of the issues considered and committee discussion and recommendations.

### 1. Clarify statute to authorize the Secretary of State and municipal clerks to enforce strict compliance of all constitutional and statutory requirements for referendums - Surprise (GAHRE 1)

Mindy Bird, Surprise Deputy City Attorney, presented the proposal to amend the referendum and strict compliance statutes. The proposal arises out of the *Voice of Surprise v. Hall* court case. In sum, the citizen group sought to place a referendum on the ballot to review a council passed ordinance. The ordinance was not attached to the petition as required by law, so the City Clerk rejected the petition as it did not strictly comply with the process. However, the Arizona Supreme Court ruled the City Clerk lacked that authority. The ruling essentially allows for failure to strictly comply with referendum procedures as required by state law as there is no government official empowered to enforce it.

Fountain Hills Councilmember Peggy McMahon said her town was in a similar situation and supported the idea for further clarity in the law. Committee members commented on the need to clarify what the intent of strict compliance is, questioned how the practice could be misused, and whether clerks ought to offer technical assistance to those filing referendums. League staff commented that clarity in the law would help ameliorate the concern should there be future lawsuits and requiring clerks to assist these groups could result in increased exposure to liability. Goodyear City Clerk Darcie McCracken agreed that clerks should not provide legal advice. Surprise Councilmember Aly Cline said the proposal simply seeks to clarify the legislature's intent. Queen Creek Councilmember Jeff Brown concurred with that sentiment and stated the legislature has already made the law, so the proposal is just about how best to enforce it.

After discussion, Tempe Councilmember Berdetta Hodge motioned to approve **GAHRE 1** as a resolution to be considered by the Resolutions Committee. Councilmember Cline seconded the motion, and it passed unanimously via voice vote.

### 2. Lift the prohibition on candidates for local office from transferring campaign funds to allow for equal treatment among candidates and encourage candidates with local experience to run for higher office - Goodyear (GAHRE 2)

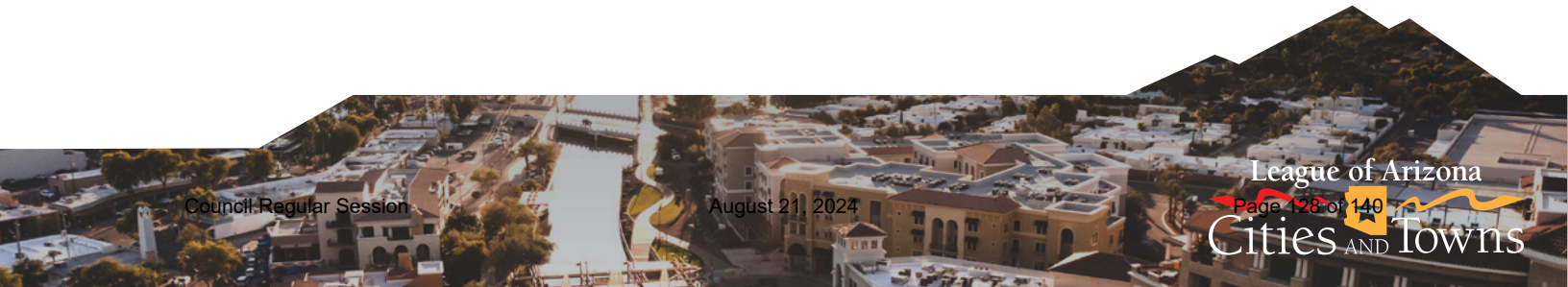
Goodyear Mayor Joe Pizzillo presented **GAHRE 2** requesting support for a legislative change to allow local candidates to run for higher office. Current law does not allow candidates to transfer campaign funds for a local office to a statewide or legislative office, but there is not a similar prohibition on statewide and legislative candidates who then choose to pursue local office. League staff stated that the prohibition was passed in 2016 via *HB2297 political advertisements; contributors; disclosure (Mesnard)*. Dale Wiebusch, Scottsdale Government Relations Director, offered further historical context on this issue. When he was with the City of Maricopa, they ran *HB2182 campaign finance; candidate committee; transfers (Coleman)* in 2018 to repeal the law, but despite its passage by the full House and two Senate committees, it was prevented from receiving a final vote.

After discussion, Councilmember Hodge motioned to approve **GAHRE 2** as a resolution to be considered by the Resolutions Committee. Councilmember McMahon seconded the motion, and it passed unanimously via voice vote.

The table below summarizes the **GAHRE** Committee’s actions:

| POLICY ISSUE                     | DISPOSITION BY COMMITTEE |
|----------------------------------|--------------------------|
| 1. Strict Compliance Enforcement | Approved                 |
| 2. Campaign Fund Transfer        | Approved                 |

**Alexis Hermosillo**  
Mayor of El Mirage  
Chair, General Administration, Human Resources and Elections Committee



# GAHRE 1

## League of Arizona Cities & Towns Resolution

***Clarify statute to authorize the Secretary of State and municipal clerks to enforce strict compliance of all constitutional and statutory requirements for referendums.***

### **A. Purpose and Effect of Resolution**

The Arizona Supreme Court ruled in *Voice of Surprise v. Hall* that although the Voice of Surprise failed to strictly comply with Arizona referendum law as required by A.R.S. § 19-101.01, the City Clerk lacked statutory authority to reject their petitions on that basis. Therefore, state law ought to be amended to expressly grant that authority to ensure compliance with the legislature's intent.

### **B. Relevance to Municipal Policy**

The Secretary of State and municipal clerks are the sole government officials responsible for reviewing referendum petitions for strict compliance. Unless a third party is willing and financially able to challenge a referendum on the grounds of strict compliance, referenda that do not pass muster as required by the state legislature will still be placed on the ballot.

### **C. Fiscal Impact to Cities and Towns**

No fiscal impact to cities and towns.

### **D. Fiscal Impact to the State**

No fiscal impact to the state.

### **E. Contact Information:**

**Sponsoring City or Town:** Surprise

**Name:** Jodi Tas, Government Relations Director

**Phone:** (623) 222-1330

**Email:** Jodi.Tas@surpriseaz.gov

**League Staff:** Marshall Pimentel

# GAHRE 2

## League of Arizona Cities & Towns Resolution

***Lift the prohibition on candidates for local office from transferring campaign funds to allow for equal treatment among candidates and encourage candidates with local experience to run for higher office.***

### **A. Purpose and Effect of Resolution**

Allow candidates for local office to transfer campaign contributions to another candidate committee should they choose to instead pursue statewide or legislative office.

### **B. Relevance to Municipal Policy**

Statewide and legislative candidates do not have this prohibition when running for local office. This disparity creates a disadvantage for local candidates from pursuing statewide or legislative office and ultimately limits the number of candidates with local experience to advocate for municipal needs in higher office. Establishing equal treatment for all candidates will encourage more local elected officials to run for higher office.

### **C. Fiscal Impact to Cities and Towns**

No fiscal impact to cities and towns.

### **D. Fiscal Impact to the State**

No fiscal impact to the state.

### **E. Contact Information:**

**Sponsoring City or Town:** Goodyear

**Name:** Ginna Carico, Government Relations Manager

**Phone:** (623) 882-7082

**Email:** Ginna.Carico@goodyearaz.gov

**League Staff:** Marshall Pimentel

# Chair's Report of the Neighborhoods, Sustainability, and Quality of Life Policy Committee

Mayor Jerry Bien-Willner, Chair

## Resolutions Committee Meeting, League Annual Conference

The Neighborhoods, Sustainability, and Quality of Life Policy Committee (NSQL) convened on **June 10, 2024**, to discuss one policy issue submitted by Tempe. Below is a summary of the issue considered and committee discussion and recommendations.

### 1. Restore local control to allow the establishment of local policies to incentivize the development of attainable and below market housing - Tempe (NSQL 1).

Tempe Mayor Corey Woods presented **NSQL 1** explaining how dire the housing shortage situation is throughout Arizona. State preemptions have tied the hands of municipalities to pass policies that would make housing more accessible to low-to-moderate income families. By striking the state preemption, each city and town would have a greater ability to determine how best to address the situation in their individual communities.

Phoenix Vice Mayor Debra Stark commented that data will be integral to advocating for this policy. Specifically, she said cities and towns need to understand how attainable housing policies could potentially impact market rate housing. Committee members further discussed the need for additional policy tools to improve the current housing situation, and how they will be designed differently in each community.

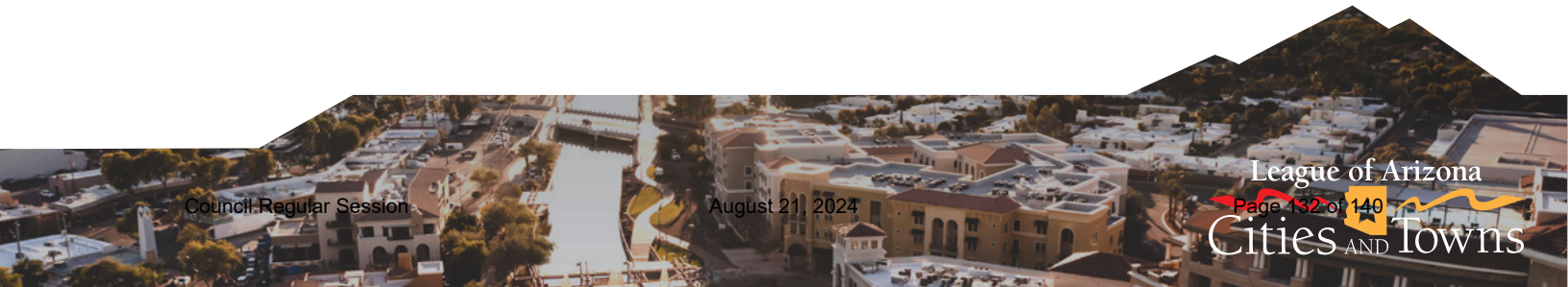
After discussion, Vice Mayor Stark motioned to approve **NSQL 1** as a resolution to be considered by the Resolutions Committee. Chandler Councilmember Christine Ellis seconded the motion, and it passed unanimously via voice vote.

The table below summarizes the NSQL Committee’s actions:

| POLICY ISSUE | DISPOSITION BY COMMITTEE |
|--------------|--------------------------|
|--------------|--------------------------|

|                                        |          |
|----------------------------------------|----------|
| 1. Attainable and Below Market Housing | Approved |
|----------------------------------------|----------|

**Jerry Bien-Willner**  
Mayor of Paradise Valley  
Chair, Neighborhoods, Sustainability & Quality of Life Committee



# NSQL 1

## League of Arizona Cities & Towns Resolution

***Restore local control to allow the establishment of local policies to incentivize the development of attainable and below market housing.***

### **A. Purpose and Effect of Resolution**

Repeal A.R.S. § 9-461.16 to allow municipalities to enact tailored policies that can spur the development of and investment in a supply of housing that is accessible to low-to-moderate income individuals and families.

### **B. Relevance to Municipal Policy**

Arizona cities and towns continue to grapple with the housing shortage and surge in rental prices. However, state preemptions have prevented the use of valuable policy tools to incentivize the development of attainable and below market housing.

### **C. Fiscal Impact to Cities and Towns**

No fiscal impact to cities and towns.

### **D. Fiscal Impact to the State**

No fiscal impact to the state.

### **E. Contact Information:**

**Sponsoring City or Town:** Tempe

**Name:** Jonathan Shuffield, Government Relations Director

**Phone:** (480) 350-8922

**Email:** Jonathan\_Shuffield@tempe.gov

**League Staff:** Tom Savage

# Chair's Report of the Public Safety, Military Affairs, and the Courts Policy Committee

Mayor Tom Murphy, Chair

## Resolutions Committee Meeting, League Annual Conference

The Public Safety, Military Affairs and Courts (PSMAC) Committee convened on **May 9, 2024**, and **June 13, 2024**, to discuss four policy issues submitted by Gilbert, Surprise, Sedona and Queen Creek. Below is a summary of the issues considered and committee discussion and recommendations.

### **1. Establish a program to allow neurodivergent individuals to identify their status and communicate that to law enforcement via their vehicle registration, license plate, or driver's license - Gilbert (PSMAC 1).**

Gilbert Mayor Brigitte Peterson began presenting **PSMAC 1** and expressed support for the Blue Envelope Program that the Arizona Department of Transportation (ADOT) launched recently and her experience working with a child on the autism spectrum. Gilbert Police Lieutenant Chris Timmins spoke about his son who is on the spectrum and how officers should be aware of signs of neurodivergent individuals to minimize negative interactions.

Quartzsite Councilmember Starr BearCat expressed some concern that identifying individuals could negatively impact their insurance coverage. Lt. Timmins explained that the State of Texas requires documentation on a license record for individuals on the spectrum and confidentially notifies an officer that someone is neurodivergent. League staff posited that legislation may not be necessary, and ADOT could likely expand its Blue Envelope Program. Goodyear Councilmember Wally Campbell shared that Goodyear's police department has been working with Sounds of Autism for training in interacting with individuals on the spectrum and suggested the League conference have a session about this topic.

Glendale Mayor Jerry Weiers suggested tackling the proposal on multiple fronts, both via ADOT and the legislature if necessary. Buckeye Councilmember Donna Winston expressed support for the proposal and suggested that it could be expanded to encompass other conditions such as PTSD. Councilmember BearCat suggested this would be more successful as a statewide training program. Queen Creek Councilmember Travis Padilla said he supports the idea as it could prevent escalation of public safety situations.

Mayor Weiers motioned to approve **PSMAC 1** as a resolution to be considered by the Resolutions Committee. Mayor Peterson seconded the motion, and it was approved unanimously via voice vote.

At the following meeting, League staff updated the committee after meeting with ADOT staff. The Department expressed their willingness to work with the League to promote and expand their Blue Envelope Program. ADOT staff further assured the League and Gilbert staff that they can expand the program through the agency without legislation.

### **2. Clarify statute to apply immunity only to claims arising from a public employee's operation of a motor vehicle and affirm that the statute is an immunity statute - Surprise (PSMAC 2).**

Mindy Bird, Surprise Deputy City Attorney, presented **PSMAC 2** and argued for the need to clarify the Other Immunities statute – A.R.S. § 12-820.05. This and other immunity statutes set a limit on lawsuits against public entities and employees. The purpose of the statute in question is to shield public entities from liability for the acts of employees, but it provides an exception should an employee cause a motor vehicle accident in which their actions rise to the level of criminal conduct.

However, a court recently interpreted the statute to say that immunity could be removed even if the operation or use of the motor vehicle were by a random third party whom the public entity has no control over. Therefore, the statute needs to specify that the only exception to the immunity is for the operation or use of a motor vehicle by public employees. Secondly, the court ruled that the statute provided only an affirmative defense rather than true immunity, so that needs to be clarified as well. League staff opined that the proposal would align with the intent of the legislature.

After discussion, Mayor Peterson motioned to approve **PSMAC 2** as a resolution to be considered by the Resolutions Committee. Mayor Weiers seconded the motion, and it was approved unanimously via voice vote.

### **3. Authorize unarmed police aides and private contractors to direct traffic - Sedona (PSMAC 3).**

Sedona Councilmember Pete Furman presented **PSMAC 3** and explained that his community often has traffic delays due to its status as a popular tourist destination and its unique infrastructure with many roundabouts throughout the city. Unfortunately, this strains the police department as officers must be assigned to traffic control. As a result, they propose authorizing unarmed police aides to direct traffic in small communities below 25,000 in population. Multiple members of the committee questioned whether the proposal was necessary and suggested that further clarification of state statute is necessary.

After discussion, Mayor Weiers motioned to assign **PSMAC 3** as a possible future resolution for further study. Mesa Councilmember Mark Freeman seconded the motion, and it passed unanimously via voice vote.

### **4. Allow public bodies to withhold records that could identify a victim of or witness to a crime if there is reasonable belief they will be subject to harassment Queen Creek - (PSMAC 4).**

Queen Creek Mayor Julia Wheatley presented **PSMAC 4** and referenced the Preston Lord homicide case in which many public records requests have been made. Randy Brice, Queen Creek Police Chief, discussed the inability to redact the names of victims and witnesses per state law. While law enforcement agencies can redact personally identifying information, an individual's name is not protected unless they are a juvenile. Victim advocates groups approached the town to address this. Therefore, the proposal seeks to allow redaction of the names of adult victims and witnesses to a crime and provide limited exceptions.

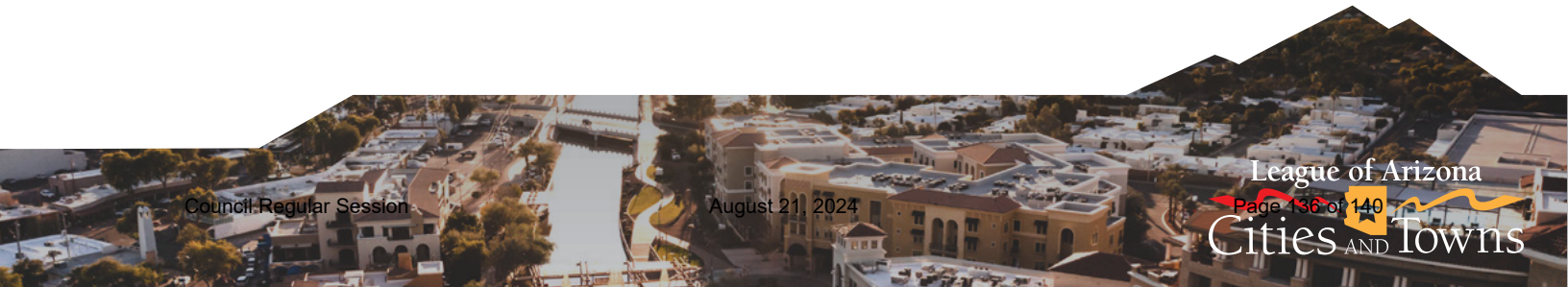
Mayor Weiers discussed the potential opposition from the media and defense attorneys. Mayor Murphy said this would help ensure witnesses can come forward without fear. Mayor Peterson said too often people are doxxing and targeting witnesses whose names are made public. Councilmember BearCat expressed surprise that witness names are not already protected and said she has spoken to individuals who will not come forward with information due to fear of retaliation. Mayor Wheatley noted that defense teams receive unredacted records, and although the media has exercised some restraint in releasing information, other groups requesting police reports may not.

Mayor Peterson motioned to approve **PSMAC 4** as a resolution to be considered by the Resolutions Committee. Councilmember BearCat seconded the motion, and it passed unanimously via voice vote.

The table below summarizes the PSMAC Committee's actions:

| POLICY ISSUE                     | DISPOSITION BY COMMITTEE                          |
|----------------------------------|---------------------------------------------------|
| 1. Neurodivergent Identification | Approved, but assigned a non-legislative solution |
| 2. Public Entity Immunity        | Approved                                          |
| 3. Unarmed Police Aides          | Assigned for further study                        |
| 4. Victim/Witness Name Redaction | Approved                                          |

**Tom Murphy**  
Mayor of Sahuarita  
Chair, Public Safety, Military Affairs & the Courts



# PSMAC 2

## League of Arizona Cities & Towns Resolution

***Clarify statute to apply immunity only to claims arising from a public employee's operation of a motor vehicle and affirm that the statute is an immunity statute.***

### **A. Purpose and Effect of Resolution**

Clarify the intent of the *Other Immunities* statute – A.R.S. § 12-820.05 considering recent court ruling and interpretation.

### **B. Relevance to Municipal Policy**

The statute provides immunity to public entities for any losses arising from public employee conduct that amounts to a criminal felony except those arising from the operation or use of a motor vehicle. However, a court interpreted the statute to apply to operation or use of a motor vehicle by any third party rather than just a public employee. The court further said the statute provides a mere affirmative defense, not true immunity. Therefore, clarification is critical as public entities are entitled to have any immunity defenses resolved at the beginning of a lawsuit, prior to incurring the cost and disruption to governmental operations necessitated by a trial.

### **C. Fiscal Impact to Cities and Towns**

Potential savings in court costs defending the public entity.

### **D. Fiscal Impact to the State**

No fiscal impact to the state.

### **E. Contact Information:**

**Sponsoring City or Town:** Surprise

**Name:** Jodi Tas, Government Relations Director

**Phone:** (623) 222-1330

**Email:** Jodi.Tas@surpriseaz.gov

**League Staff:** Marshall Pimentel

# PSMAC 4

## League of Arizona Cities & Towns Resolution

***Allow public bodies to withhold records that could identify a victim of or witness to a crime if there is reasonable belief they will be subject to harassment.***

### **A. Purpose and Effect of Resolution**

Authorize law enforcement and prosecution agencies to withhold or redact the names of victims and witnesses to a crime from public records if there is a reasonable belief that the release of such information would result in harassment, witness tampering, or threats to their safety.

### **B. Relevance to Municipal Policy**

Current state law protects the personal identifying information of crime victims and witnesses to include date of birth, social security number, telephone number, home address, e-mail address and official state/government issued driver license or identification number but that does not include the name of the victim or witness itself. Therefore, most law enforcement and prosecution agencies interpret the statute to mean they cannot redact names when public records are released.

Victims and witnesses aid law enforcement in the sharing of critical information in the pursuit of justice and may be called to testify by the prosecution team in criminal court proceedings. They should be offered the protection of anonymity in the release of public records for their continued safety and well-being.

### **C. Fiscal Impact to Cities and Towns**

No fiscal impact to cities and towns.

### **D. Fiscal Impact to the State**

No fiscal impact to the state.

### **E. Contact Information:**

**Sponsoring City or Town:** Queen Creek

**Name:** Heather Wilkey, Intergovernmental Relations Director

**Phone:** (480) 358-3913

**Email:** Heather.Wilkey@queencreekaz.gov

**League Staff:** Marshall Pimentel

# Chair's Report of the Transportation, Infrastructure and Public Works Policy Committee

Mayor Craig McFarland, Chair

## Resolutions Committee Meeting, League Annual Conference

On **May 13, 2024**, the Transportation, Infrastructure and Public Works committee (TIPW) convened for one proposal submitted by Prescott. Below is a summary of the issues considered and committee discussion and recommendations.

### 1. Charge a user fee at electric vehicle charging stations - Prescott (TIPW 1).

Prescott Mayor Phil Goode presented **TIPW 1** to establish a user fee for electric vehicles. He explained that traditional vehicle owners pay a tax at the pump that goes to the Highway User Revenue Fund (HURF) which pays for road maintenance and repairs, but electric vehicle owners do not contribute to this fund. Electric vehicles are becoming more popular and charging stations need to be available throughout the state to support tourism and prevent “range anxiety” experienced by electric vehicle owners concerned about where they can charge up. Local jurisdictions should be able to levy a user fee to be used for road maintenance.

League staff mentioned *HB2866 electric vehicles; registration fee (Cook)* which would have instituted a fee on electric vehicle owners’ registration. It failed due to the supermajority vote required by Prop. 108, but garnered a vote of 35-24. Glendale Councilmember Lauren Tolmachoff and Avondale Councilmember Max White had practical concerns about how any future revenue would be collected and distributed. League staff briefly explained how HURF functions and noted it has been in decline for years and electric vehicles have only exacerbated the situation.

Gilbert Councilmember Yung Koprowski commented that the Vehicle License Tax has now surpassed the Gas Tax as a revenue source in HURF and wondered if these funds should be directed to counties rather than individual cities. Lake Havasu City Councilmember Nancy Campbell discussed the potential to collect a higher fee on electric power overall to ensure it captures both public and private charging stations. Committee members went on to comment on the importance of addressing the decline in HURF revenues and directed the League to conduct further research throughout the interim to draft a more thorough proposal or proposals.

After discussion, Councilmember White motioned to assign **TIPW 1** as a possible future resolution that needs more study and clarification. Page Councilmember Brian Carey seconded the motion, and it passed unanimously via voice vote.

The table below summarizes the **TIPW** Committee's actions:

| POLICY ISSUE | DISPOSITION BY COMMITTEE |
|--------------|--------------------------|
|--------------|--------------------------|

|                                       |                            |
|---------------------------------------|----------------------------|
| 1. Electric Vehicle Charging User Fee | Assigned for further study |
|---------------------------------------|----------------------------|

**Craig McFarland**  
Mayor of Casa Grande  
Chair, Transportation, Infrastructure & Public Works Committee

