



Physical Address: 501 South Main Street

Mailing Address: PO Box 228

Rhome, Texas 76078

Telephone: 817-636-2462

[www.cityofrhome.com](http://www.cityofrhome.com) | [citysecretary@cityofrhome.com](mailto:citysecretary@cityofrhome.com)

Mayor  
Patricia Mitchell

City Council

Mayor Pro-Tem,  
Place 1  
Josh McCabe

Place 2  
Michelle Tye

Place 3  
Elaine Priest

Place 4  
Kathy Konegni

Place 5  
Patrick Meehan

Interim City  
Administrator  
Eric Debus

City Attorney  
Carvan Adkins

City Secretary  
Shaina Odom

Interim Fire Chief  
Michelle  
DiCredico

Police Chief  
Eric Debus

Public Works  
Director

## NOTICE OF MEETING OF THE RHOME CITY COUNCIL

Meeting Date: Thursday, August 25, 2022

Regular Session: 6 pm

Executive Session: Immediately Following Regular Session

**Meeting Location:** Rhome Community Center, 261 North School Road, Rhome, TX 76078

**LIVE Streaming:** In an effort to be as accessible as possible, we will be

Live Streaming the meeting using GoToMeeting.

**Please call 1 (571) 317-3116/ Access Code 811-264-085**

**Toll Free 1-866-899-4679**

The Rhome City Council *may* conduct this meeting by videoconference call in accordance with Section 551.127 of the Texas Open Meetings Act. A quorum of the City Council will be physically present at the address listed above and the public may attend the meeting at the same location.

### Regular Session: 6 pm

### Call to Order and Establish a Quorum –

**Invocation – Pastor Jeremy Laux**

**Pledge of Allegiance to the American Flag**

**Pledge of Allegiance to the Texas Flag**

*Honor the Texas Flag; I pledge allegiance to thee, Texas, One state under God, One and indivisible*

### Public Comments

1. *The Council is not permitted to take action on or discuss any comments made to the Council at this time concerning an item not listed on the agenda. However, a Council Member or Mayor may make a statement of fact regarding the item, make a statement concerning the policy regarding the item and/or may propose that the item be placed on a future agenda or direct the City Administrator to contact the individual to address. If you are attending the meeting via Live Streaming, and you would like to make a Public Comment, you must email the City Secretary at [citysecretary@cityofrhome.com](mailto:citysecretary@cityofrhome.com) prior to 4 pm on the day of meeting and must identify each subject you plan to present to be recognized.*
2. *If the writer of a Public Comment wants someone to read the letter, it will only be read by the City Secretary and must be emailed prior (email above) to 4 pm on the day of the meeting.*
3. *Public Comments made in person require the speaker to submit the sign-up form to the City Secretary prior to the meeting, and the form must identify each subject the speaker plans to present.*
4. *A statement of no more than 3 minutes may be made. There will be no yielding of time to another person. Comments should be directed to the entire Council, not individual members. Engaging in verbal attacks, or comments intended to insult, abuse, malign, or slander any individuals shall be cause for termination of time privileges and removal from Council Chambers.*



### **Announcements from Mayor and Council Members**

- September 5, 2022 City Hall Closed for Labor Day
- September 6, 2022- Bulk Trash Pick-up
- City Council Meeting September 8, 2022 at 6 pm
- Planning and Zoning Meeting September 12, 2022 at 6 pm

### **Consent Agenda**

*All items under this section are recommended for approval for the Consent Agenda. These items are of a routine nature and require only brief deliberation by Council. Council reserves the right to remove any item on the Consent Agenda for further deliberation.*

- A. Minutes of City Council Regular Session dated August 11, 2022 **(City Secretary)**
- B. Minutes of regular Planning and Zoning meeting dated July 11, 2022 **(City Secretary)**
- C. Swearing in New Rhome Police Officer – Juan Munoz **(Chief Debus)**

### **Public Hearing**

- D. Rhome City Council to conduct Public Hearing to hear citizen input regarding the proposed Budget for Fiscal Year October 1, 2022 to September 30, 2023
- E. Rhome City Council to conduct a Public Hearing on Monday, August 22, 2022, and The City of Rhome City Council will hold a Public Hearing on Thursday August 25, 2022 for the purpose of hearing comments regarding a text amendment to the City of Rhome Zoning Code that will amend the sections to create the uses of "Brewery" and "Small Event Venue", Defining said uses and permitting said uses within the "C" Commercial Zoning District, and to define the use to "Tourist Home (Bed and Breakfast)"; providing a cumulative clause; providing a severability clause; providing a penalty clause; providing a savings clause; providing a publication clause; and providing for an effective date.
- F. Rhome City Council to conduct a Public Hearing to consider a replat by the City of Rhome, Texas of two tracts of land; one tract being legally described as Acres: 3.600, Abst: A-634 MEP & PRR and is located on the SE corner of US Highway 287 Northbound Service Road and B.C. Rhome; and one tract of land being legally described as Acres: 1.253, Lot: 1, Blk: 1, Subd: TACO CASA RHOME ADDITION, Abst: A-634 MEP & PRR - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078

### **Regular Agenda – Old Business**

- G. Discussion and any necessary action regarding the proposed budget for Fiscal Year October 1, 2022 to September 30, 2023 **(City Administrator)**
- H. Discussion and any necessary action regarding drainage project **(City Administrator)**

### **Regular Agenda – New Business**

- I. Discussion and any necessary action regarding the Proposed Tax Rate for 2022, take a record vote and schedule the Public Hearing **(City Administrator)**
- J. Discussion and any necessary action regarding a text amendment to the City of Rhome Zoning Code that will amend the sections to create the uses of "Brewery" and "Small Event Venue", Defining said uses and permitting said uses within the "C" Commercial Zoning District, and to define the use to "Tourist Home (Bed and Breakfast)"; providing a cumulative clause; providing a severability clause; providing a penalty clause; providing a savings clause; providing a publication clause; and providing for an effective date. **(City Administrator)**
- K. Discussion and any necessary action regarding a replat by the City of Rhome, Texas of two tracts of land; one tract being legally described as Acres: 3.600, Abst: A-634 MEP & PRR and is located on the SE corner of US Highway 287 Northbound Service Road and B.C. Rhome; and one tract of land being legally described as Acres: 1.253, Lot: 1, Blk: 1, Subd: TACO CASA RHOME ADDITION, Abst: A-634 MEP & PRR - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078 **(City Administrator)**
- L. Discussion and any necessary action regarding QT Site Plan **(City Administrator)**



- M. Discussion and Presentation regarding Prairie Point Development **(City Administrator)**
- N. Discussion and any necessary action regarding insurance clause on park contracts **(McCabe)**
- O. Discussion and any necessary action regarding city park contracts **(McCabe)**
- P. Discussion and any necessary action regarding Rhome facilities **(Priest)**
- Q. Discussion and necessary action regarding Rhome Municipal Ordinance Sec. 1.04.007 Approval of Legal Documents. **(Mayor)**
- R. Discussion and necessary action regarding contract signed August 4, 2022 by Mayor Pro-Tem McCabe and former City Administrator Cynthia Northrop. **(Mayor)**
- S. Discussion and necessary action regarding contract signed August 4, 2022 by Mayor Pro-Tem McCabe and Police Chief/Interim City Administrator Eric Debus. **(Mayor)**
- T. Discussion and necessary action regarding Ordinance 2021-23 approved by Council November 15, 2021 **(Mayor)**
- U. Discussion and necessary action regarding more than one-half million dollars in costs the City of Rhome has incurred due to employee resignations. **(Mayor)**

#### **Convene into Executive Session –**

*Pursuant to the following designated section of the Texas Government Code, Annotated, Chapter 551 (Texas Open Meetings Act), the Council may convene into executive session to discuss the following:*

- V. Section 551.071 Consultation with Attorney - pending or contemplated litigation, settlement offer or to seek advice from attorney
  - Aurora Policing
  - Production Request
- W. Section 551.072 Deliberation regarding Real Property - purchase, exchange, lease, or value of real property if deliberation in an open meeting would have detrimental effect on position of the governmental body in negotiations with a third person
  - 0 East Morris Street
- X. Section 551.074 Personnel – discuss appointment, employment, evaluation, reassignment, duties, discipline or dismissal of a public officer or employee, or hear complaint or charge against officer or employee in executive session unless officer or employee requests a public hearing
- Y. Section 551.087 – Deliberations regarding Economic Development Negotiations – to discuss or deliberate regarding commercial or financial information that the City has received from a business prospect that the City seeks to locate, stay or expand in or near the City and with which the City is conducting economic development negotiations

#### **Future Agenda Items**

***(Agenda items are due by 5 pm on the Wednesday of the week prior to the council meeting)***

#### **Adjourn**

**A quorum of Planning & Zoning Commissioners may be present at this meeting and its members may participate in the discussions of the items on the agenda over which they have responsibilities or authority.**

**A quorum of Parks & Recreation Board Members may be present at this meeting and its members may participate in the discussions of the items on the agenda over which they have responsibilities or authority.**

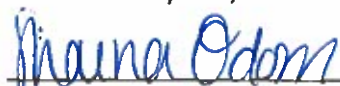


*\*Pursuant to the Open Meetings Act, Chapter 551, Section 551.071 of the Texas Government Code, the Council may convene into executive session at any time during the meeting if a need rises for the City Council to seek advice from the City Attorney concerning any item on this agenda, to discuss pending and contemplated litigation, or a settlement offer, or to discuss a matter in which the duty of the attorney to the City Council under the Texas Disciplinary Rules of Professional Conduct of the State Board of Texas clearly conflicts with Chapter 551.*

*The Council may vote and / or act upon each of the items listed in this Agenda. Except for Public Presentation and Input and items in the agenda designated as public hearing or otherwise designated for public input, there will be no public input during the course of this meeting without express authorization from the presiding officer.*

*This facility is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpretive services must be made 48 hours prior to the meeting. Please contact City Hall at 817-636-2462 for further information.*

**CERTIFICATION:** I do hereby certify that the above City Council Agenda was posted on the designated bulletin board located at City Hall, 501 South Main Street, Rhome, Texas by 6pm on August 22, 2022.



Shaina Odom, City Secretary

I certify that the attached notice and agenda of items to be considered by the Rhome City Council was removed by me from the designated bulletin board located at City Hall, 501 South Main Street, Rhome, Texas, on the \_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_, Title: \_\_\_\_\_





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# AGENDA ITEM A





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Carvan Adkins

**City Secretary**  
Shaina Odom

**Fire Chief**  
Michelle  
DiCredico

**Police Chief**  
Eric Debus

**Public Works  
Director**

## MINUTES OF MEETING OF THE RHOME CITY COUNCIL

**Meeting Date: Thursday, August 11, 2022**

**Regular Session: 6 pm**

**Executive Session: Immediately Following Regular Session**

**Meeting Location: RhOME Community Center, 261 North School Road, RhOME, TX 76078**

**Regular Session: 6 pm**

### Call to Order and Establish a Quorum –

Mayor Mitchell called the meeting to order at 6 pm

**Invocation – Pastor Ricky Harrison**

**Pastor Ricky Harrison led the Invocation**

**Pledge of Allegiance to the American Flag**

**Pledge of Allegiance to the Texas Flag**

*Honor the Texas Flag; I pledge allegiance to thee, Texas, One state under God, One and indivisible*

### Public Comments

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### **Announcements from Mayor and Council Members**

- Back-to-School Kick-OFF Event- Waypoint Church @ 4 pm – 170 BC Rhome
- Planning and Zoning Special Meeting August 22, 2022 at 6 pm
- City Council Meeting August 25, 2022 at 6 pm

### **Consent Agenda**

*All items under this section are recommended for approval for the Consent Agenda. These items are of a routine nature and require only brief deliberation by Council. Council reserves the right to remove any item on the Consent Agenda for further deliberation.*

- A. Minutes of City Council Regular Session dated July 28, 2022 **(City Secretary)**
- B. Minutes of City Council Regular Session dated August 4, 2022 **(City Secretary)**

Council Member Tye made a motion to approve the minutes as presented, Council Member Priest seconded the motion. Motion passed unanimously.

### **Monthly Staff Reports and Board Minutes**

*All items under this section are for informational purposes only; no action will be taken by Council.*

- C. Departments: Administration, Building & Development, Fire Rescue, Municipal Court, Police and Public Works (Department Heads)

### **Regular Agenda – New Business**

- D. Discussion and any necessary action regarding Amendments 2, 3, 4 and Resolution associated with Amendment 3, to PMB (RVR) Developer's Agreement **(City Administrator)**

Council Member Priest made a motion to accept the amendments and resolution as presented. Council member Tye seconded the motion. Motion passed unanimously.

- E. Discussion and any necessary action regarding adding Interim City Administrator, Eric Debus, as authorized signer to all Pinnacle and Wells Fargo City of Rhome bank accounts **(City Administrator)**

Mayor Pro-Tem McCabe made a motion to add Interim City Administrator, Eric Debus, as an authorized signer on all Pinnacle and Wells Fargo accounts. Council member Tye seconded the motion. Motion passed unanimously.

- F. Discussion and any necessary action regarding IT services for the remainder of FY 2021-2022 **(City Administrator)**
- Mayor Pro-Tem McCabe made a motion for interim City administrator, Eric Debus, to enter into negotiations for IT services for the remainder on 2021-2022, and going into the 2022-2023 budget. Council member Tye seconded the motion. Motion passed unanimously.

- G. Discussion and any necessary action regarding FY 2022-2023 Budget **(City Administrator)**
- Mayor Mitchell requested FY 2020 and FY 2021 budget actuals before proceeding. No action was taken.

- H. Discussion and any necessary action regarding East Waste Water Treatment Plant Construction close out documents **(City Administrator)**

Mayor Pro-Tem McCabe made a motion to approve the close out documents as presented. Council member Priest seconded the motion. Motion passed unanimously.

- I. Discussion and any necessary action regarding Ordinance for Water Rate increase approved by Council and setting effective date **(City Administrator)**

Mayor Pro-Tem McCabe made a motion to approve the Water Rate Increase Ordinance as presented. Council member Priest seconded the motion. Motion passed unanimously. Motion passed unanimously.

- J. Discussion and any necessary action regarding drainage project **(City Administrator)**

After lengthy discussion regarding improving the drainage on Mount Lane in Ellis Homestead to correct the flow of water, currently causing damage to the road, Council member Meehan made a motion to table the item until next scheduled council meeting. Council Member Konegni seconded the motion. Motion passed unanimously.

- K. Discussion and any necessary action regarding Signatory authority at Pinnacle and Wells Fargo for all City of Rhome accounts, removing Cynthia Northrop **(City Administrator)**

Mayor Pro-Tem McCabe made a motion to remove former City Administrator, Cynthia Northrop, from all bank accounts at Pinnacle and Wells Fargo. Council member Konegni seconded the motion. Motion passed unanimously.

- L. Discussion and necessary action to secure access to city resources and assets. **(Mayor)**



Council Member Priest made a motion to change all passwords and access codes. Council Member Konegni seconded the motion. Motion passed unanimously.

- M. Discussion and necessary action to appoint a secondary individual with computer access to City files/records. **(Mayor)**

City Secretary, Shaina Odom, has the access requested. No action was taken.

- N. Discussion and necessary action regarding council directives of mayor's responsibilities. **(Mayor)**

Mayor Mitchell stated she was confused on who takes care of what after the August 4, 2022 meeting. Council Member Priest explained, the mayor did not lose any powers. The city Council voted and gave the Mayor Pro-Tem mimicking powers of the mayor, and the Interim City Administrator, Eric Debus, would report directly to the Mayor Pro-Tem. No action was taken

- O. Discussion and necessary action to advertise, interview, hire City Admin position. **(Mayor)**

Council was presented many options to hire a new City Administrator. Mayor Pro-Tem McCabe made a motion to conduct an internal search, advertise and hire with a panel put together by the Interim City Administrator, Eric Debus. Council Member Konegni seconded the motion. Motion passed unanimously.

- P. Discussion and necessary action to reconsider the three contracts council approved August 4, 2022. **(Mayor)**

No action was taken.

#### **Convene into Executive Session –**

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- Q. Section 551.071 Consultation with Attorney - pending or contemplated litigation, settlement offer or to seek advice from attorney
- R. Section 551.072 Deliberation regarding Real Property - purchase, exchange, lease, or value of real property if deliberation in an open meeting would have detrimental effect on position of the governmental body in negotiations with a third person
- S. Section 551.074 Personnel – discuss appointment, employment, evaluation, reassignment, duties, discipline or dismissal of a public officer or employee, or hear complaint or charge against officer or employee in executive session unless officer or employee requests a public hearing
- T. Section 551.087 – Deliberations regarding Economic Development Negotiations – to discuss or deliberate regarding commercial or financial information that the City has received from a business prospect that the City seeks to locate, stay or expand in or near the City and with which the City is conducting economic development negotiations

#### **Future Agenda Items**

***(Agenda items are due by 5 pm on the Wednesday of the week prior to the council meeting)***

#### **Adjourn**



**A quorum of Planning & Zoning Commissioners may be present at this meeting and its members may participate in the discussions of the items on the agenda over which they have responsibilities or authority.**

**A quorum of Parks & Recreation Board Members may be present at this meeting and its members may participate in the discussions of the items on the agenda over which they have responsibilities or authority.**

*\*Pursuant to the Open Meetings Act, Chapter 551, Section 551.071 of the Texas Government Code, the Council may convene into executive session at any time during the meeting if a need rises for the City Council to seek advice from the City Attorney concerning any item on this agenda, to discuss pending and contemplated litigation, or a settlement offer, or to discuss a matter in which the duty of the attorney to the City Council under the Texas Disciplinary Rules of Professional Conduct of the State Board of Texas clearly conflicts with Chapter 551.*

*The Council may vote and / or act upon each of the items listed in this Agenda. Except for Public Presentation and Input and items in the agenda designated as public hearing or otherwise designated for public input, there will be no public input during the course of this meeting without express authorization from the presiding officer.*

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**CERTIFICATION:** I do hereby certify that the above City Council Agenda was posted on the designated bulletin board located at City Hall, 501 South Main Street, Rhome, Texas by 6pm on August 8, 2022.

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Shaina Odom, City Secretary

I certify that the attached notice and agenda of items to be considered by the Rhome City Council was removed by me from the designated bulletin board located at City Hall, 501 South Main Street, Rhome, Texas, on the \_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_, Title: \_\_\_\_\_





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# AGENDA ITEM B





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## MINUTES OF REGULAR MEETING OF THE RHOME PLANNING & ZONING COMMISSION

Meeting Date: Monday, July 11, 2022

Regular Session Meeting Time: 6:00pm

**Meeting Location:** Rhome Community Center, 261 North School Road, Rhome, TX 76078

**LIVE Streaming:** In an effort to be as accessible as possible, we will be

Live Streaming the meeting using GoToMeeting.

**Please call 1 (571) 317-3116/ Access Code 434-276-173**

**Toll Free 1 866 899 4679**

### Regular Session – 6:00pm

#### Call to Order and Establish a Quorum

Chairman Knight called the meeting to order at 6 pm

#### Public Presentations and Input

*The Commission is not permitted to take action on or discuss any presentations made to the Commission at this time concerning an item not listed on the agenda. The Commission will hear comments on specific agenda items during this designated time.*

*If you are attending the meeting via **Live Streaming**, and you would like to make a Public Presentation, you must email Shaina Odom at [citysecretary@cityofrhome.com](mailto:citysecretary@cityofrhome.com) prior to **4:00pm on the day of meeting** to be recognized.*

*If you are attending the meeting **in person**, sign up forms will be available at the meeting to fill out and submit prior to meeting start time.*

#### Regular Agenda – Old Business

- A. Discussion and any necessary action regarding the minutes of the May 2, 2022 Planning & Zoning Commission.

Commissioner Knight made a motion to approve the minutes as presented, commissioner King seconded the motion. Motion passed unanimously.

#### Public Hearing

- B. Planning and Zoning Commission to conduct a Public Hearing to consider a replat by the City of Rhome, Texas of two tracts of land; one tract being legally described as Acres: 3.600, Abst: A-634 MEP & PRR and is located on the SE corner of US Highway 287 Northbound Service Road and B.C. Rhome; and one tract of land being legally described as Acres: 1.253, Lot: 1, Blk: 1, Subd: TACO CASA RHOME ADDITION, Abst: A-634 MEP & PRR - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078



Commissioner Knight opened the Public Hearing at 6:04 pm and recessed until the next scheduled Planning and Zoning meeting on August 1, 2022 at 6 pm. Commissioner Knight closed the Public Hearing at 6:04 pm

**Regular Agenda – New Business**

- C. Discussion and any necessary action regarding a request for replat by the City of Rhome, Texas of two tracts of land; one tract being legally described as Acres: 3.600, Abst: A-634 MEP & PRR and is located on the SE corner of US Highway 287 Northbound Service Road and B.C. Rhome; and one tract of land being legally described as Acres: 1.253, Lot: 1, Blk: 1, Subd: TACO CASA RHOME ADDITION, Abst: A-634 MEP & PRR - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078 **(City Administrator)**

Commissioner Knight recessed this agenda item to the next scheduled Planning and Zoning meeting on August 1, 2022

- D. Discussion and any necessary action regarding Site Plan for a new residential home legally described as being Legal Acres: 0.161, Lot: 1R, Blk: 2 BC Rhome Addition, also known as 298 E Aurora Street, Rhome, TX 76078 **(City Administrator)**

Commissioner Knight made a motion to recommend approval to the City Council for 298 E Aurora Site Plan. Commissioner King seconded the motion. Motion passed unanimously.

**Future Agenda Items**

Chair and Vice Chair appointment at next scheduled meeting – City Secretary

Ordinance regarding lighting throughout the City – Steven Knight

Rezoning for City – Christi Cox

**Adjourn**

Commissioner Cox made a motion to adjourn, Chairman Knight seconded the motion. Motion passed unanimously. Meeting adjourned at 6:11 pm

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Steve Knight,  
Chair

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Shaina Odom  
City Secretary





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# AGENDA ITEM C





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# AGENDA ITEM D





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# AGENDA ITEM E





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# AGENDA ITEM F





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# AGENDA ITEM G





## Agenda Commentary

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**Meeting Date:** August 25, 2022

**Department:** Administration

**Contact:** Eric Debus

**Agenda Item:** G. Discussion and any necessary action regarding the proposed budget for Fiscal Year October 1, 2022 to September 30, 2023

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**Type of Item:** ☐ Ordinance ☐ Resolution ☐ Contract/Agreement ☐ Public Hearing  
☐ Plat ☒ Discussion & Direction ☐ Other

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**Summary-Background:**

The Budget for FY 2022 – 2023 has been presented to Council.

Staff needs Council direction on any changes tonight as staff will need to incorporate in advance for a Public Hearing on September 8, 2022.

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**Funding Expected:** ☐ Revenue ☐ Expenditure ☐ N/A

**Budgeted Item:** ☐ Yes ☐ No ☐ N/A

**GL Account:** \_\_\_\_\_ **Amount:** \_\_\_\_\_

**Legal Review Required:** ☐ Yes ☐ No **Date Completed:** \_\_\_\_\_

**Engineering Review:** ☐ **FD Review:** ☐ **PD Review:** ☐ **PW Review:** ☐

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**Supporting Documents Attached:** Yes

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**Recommendation:** Take a record Vote on the FY 2022-2023 Budget



2019-2020	Account Num	Description	Beginning Balance	Transaction Amount	Ending Balance	Adopted Budget	Revised Budget
	10-10050-00	General Fund Operating Cash	4,416.02	43,528.57	47,944.59	0.00	0.00
	10-10200-00	General Fund Savings	191,993.25	- 21,163.41	170,829.84	0.00	0.00
	10-10250-00	Interest & Sinking	20,243.26	128,966.04	149,209.30	0.00	0.00
	10-10280-00	Hotel Motel Tax	54,435.88	16,056.55	70,492.43	0.00	0.00
	10-10300-00	Fire Department Checking	108,589.96	9,245.12	117,835.08	0.00	0.00
	10-10350-00	Fire Dept Savings	27,447.64	12,995.77	40,443.41	0.00	0.00
	10-10460-00	Police Seizure Funds	4,342.22	- 4,241.84	100.38	0.00	0.00
	10-10500-00	Police Grant Account	2,065.49	770.30	2,835.79	0.00	0.00
	10-10550-00	Muni Court Title 7	4,532.55	0.90	4,533.45	0.00	0.00
	10-10600-00	Muni Court Security	28,568.52	2,419.09	30,987.61	0.00	0.00
	10-10700-00	Muni Court Tech Fund	18,646.33	1,898.99	20,545.32	0.00	0.00
	10-10720-00	Prairie Point Develop Cash	23,192.98	- 23,192.98	0.00	0.00	0.00
	10-10740-00	Rolling V	22,904.86	0.00	22,904.86	0.00	0.00
	10-10850-00	Parks & Recreation Checking	18,509.24	3,151.49	21,660.73	0.00	0.00
	10-10900-00	Rhome Beautification Fund	0.00	116.00	116.00	0.00	0.00
	10-10950-00	2017 Tax Note Bank Account	234,903.74	- 191,981.87	42,921.87	0.00	0.00
	10-11300-00	Prepaid Expenses	7,024.49	10,330.19	17,354.68	0.00	0.00
	10-12150-00	Due from water and sewer	7,539.47	29,225.51	36,764.98	0.00	0.00
	10-12151-00	Due to/from WS Payroll Trsf	- 17,115.13	0.00	- 17,115.13	0.00	0.00
	10-12200-00	Receivable Other	166,485.28	46.66	166,531.94	0.00	0.00
	10-12201-00	Receivable from PP (Finley)	7,684.95	10,196.56	17,881.51	0.00	0.00
	10-12202-00	Receivable from RV (Vinson)	27,095.14	0.00	27,095.14	0.00	0.00
	10-12203-00	Receivables from RV (PMB)	20,715.30	23,349.48	44,064.78	0.00	0.00
	10-14000-00	Fixed assets	4,443,544.22	377,688.67	4,821,232.89	0.00	0.00
	10-14500-00	Accumulated depreciation	- 2,516,819.44	- 135,214.59	- 2,652,034.03	0.00	0.00
	10-14950-00	Investment in G/F/A	- 1,926,724.78	- 242,474.08	- 2,169,198.86	0.00	0.00
	10-16010-00	Bond issue fees 2007 GO Bond	15,688.66	- 2,614.78	13,073.88	0.00	0.00
	10-20000-00	Accounts Payable	- 37,407.95	- 23,370.96	- 60,778.91	0.00	0.00
	10-20050-00	Taser Lease Purchase Payable	- 13,328.00	5,084.00	- 8,244.00	0.00	0.00



10-20120-00	Prairie Point Development	34,710.61	0.00	34,710.61	0.00	0.00
10-20300-00	PP Escrow Liability - Rhome 58	- 30,000.00	0.00	- 30,000.00	0.00	0.00
10-20350-00	RV Escrow Liability - Vinson	- 25,000.00	0.00	- 25,000.00	0.00	0.00
10-20400-00	RV Escrow Liability - PMB Cap	- 25,000.00	0.00	- 25,000.00	0.00	0.00
10-20490-00	NP Fire Truck	- 90,959.12	68,539.54	- 22,419.58	0.00	0.00
10-20540-00	NP Fire Truck 2014	- 126,675.19	10,486.60	- 116,188.59	0.00	0.00
10-20550-00	NP Police Radios 2014	0.00	- 168,371.20	- 168,371.20	0.00	0.00
10-20560-00	Note Payable Police Car	0.00	- 126,166.78	- 126,166.78	0.00	0.00
10-21020-00	Accrued State Unemployment	- 10.96	0.00	- 10.96	0.00	0.00
10-21100-00	Accrued vacation pay	- 22,800.71	- 10,423.03	- 33,223.74	0.00	0.00
10-21120-00	Accrued Wages	0.00	- 6,892.35	- 6,892.35	0.00	0.00
10-21130-00	Accrued Interest	- 3,424.30	- 6,690.62	- 10,114.92	0.00	0.00
10-21150-00	Interfund Transfer	50,407.95	- 91,109.51	- 40,701.56	0.00	52,765.00
10-25060-00	Gen Oblig Refunding Bonds 2016	- 1,111,000.00	173,000.00	- 938,000.00	0.00	0.00
10-25070-00	Tax Notes	- 479,000.00	110,000.00	- 369,000.00	0.00	0.00
10-25950-00	Amount to be provided for LTD	1,818,170.66	- 47,759.73	1,770,410.93	0.00	0.00
10-31000-00	Fund Balance	- 938,593.09	270.00	- 938,323.09	0.00	0.00
10-40005-10	2017 Tax Note Interest Income	0.00	- 351.06	- 351.06	0.00	0.00
10-40015-10	Rhome Beautification Fund Rev	0.00	- 116.00	- 116.00	0.00	0.00
10-40020-10	I&S Interest Income	0.00	- 11.12	- 11.12	0.00	0.00
10-40100-10	Franchise Fees	0.00	- 73,035.46	- 73,035.46	- 77,000.00	- 77,000.00
10-40240-10	Property Tax M&O	0.00	- 369,917.11	- 369,917.11	- 367,535.28	- 367,535.28
10-40250-10	Property Tax I&S Debt Service	0.00	- 376,317.32	- 376,317.32	- 374,200.46	- 374,200.46
10-40600-10	Sales Tax	0.00	- 883,210.53	- 883,210.53	- 765,000.00	- 765,000.00
10-40700-10	Miscellaneous Revenue	0.00	- 270.00	- 270.00	0.00	0.00
10-40900-10	Proceeds from Debt Issuance	0.00	- 294,537.98	- 294,537.98	0.00	0.00
10-50100-10	2017 Bond - CH Relocation	0.00	0.00	0.00	- 0.27	- 0.27
10-50150-10	2017 Bond - AMR	0.00	0.00	0.00	- 32.01	- 32.01
10-50200-10	2017 Bond - Warning Sirens	0.00	0.00	0.00	- 852.15	- 852.15
10-50300-10	2017 Bond - EWWTP Expansion	0.00	0.00	0.00	38,608.00	38,608.00
10-50350-10	2017 Bond - Municipal Complex	0.00	0.00	0.00	129,657.38	129,657.38
10-50400-10	2017 Bond - Council/MC Upgrade	0.00	0.00	0.00	5,347.26	5,347.26



10-60000-10	Accounting Fees		0.00	12,000.00	12,000.00	12,000.00	12,000.00
10-60015-10	COVID-19 Related Expenses		0.00	13,045.04	13,045.04	0.00	0.00
10-60020-10	Lease Payment		0.00	13,805.00	13,805.00	27,720.00	27,720.00
10-60080-10	Bank Service Fees		0.00	7,970.91	7,970.91	0.00	0.00
10-60100-10	Bond Interest Expense		0.00	36,077.27	36,077.27	36,422.00	36,422.00
10-60150-10	Bond Principal		0.00	283,250.00	283,250.00	283,000.00	283,000.00
10-60300-10	Contract Labor		0.00	5,311.50	5,311.50	3,000.00	5,400.00
10-60350-10	Education/Training		0.00	929.00	929.00	1,500.00	1,300.00
10-60600-10	Office Supplies		0.00	3,113.50	3,113.50	2,500.00	3,400.00
10-60800-10	Postage		0.00	837.55	837.55	1,250.00	1,250.00
10-60950-10	Property Tax Service		0.00	20,287.00	20,287.00	16,000.00	20,287.00
10-61200-10	Credit Card Fees		0.00	7,721.06	7,721.06	2,500.00	7,076.00
10-61600-10	Dues & Subscriptions		0.00	27,022.67	27,022.67	28,850.00	27,810.00
10-61800-10	Insurance - Prop/Liability		0.00	6,400.08	6,400.08	6,600.00	6,600.00
10-61820-10	Insurance - Med/Dental (ER)		0.00	25,354.68	25,354.68	33,197.90	33,197.90
10-61830-10	TMRS Retirement (ER)		0.00	14,126.53	14,126.53	13,373.03	13,373.03
10-62750-10	Legal Notices		0.00	3,092.50	3,092.50	6,000.00	4,400.00
10-62800-10	Legal Fees		0.00	117,712.37	117,712.37	90,000.00	93,000.00
10-63100-10	Building Maintenance		0.00	1,388.89	1,388.89	5,000.00	1,386.00
10-63400-10	Telephone & Internet		0.00	15,438.36	15,438.36	20,000.00	16,300.00
10-63430-10	City Elections		0.00	404.00	404.00	4,000.00	404.00
10-64000-10	Utilities-Gas/Elec/St Lights		0.00	21,889.64	21,889.64	24,000.00	24,000.00
10-65600-10	Hiring/Testing Expenses		0.00	1,195.54	1,195.54	0.00	1,196.00
10-65610-10	Salary		0.00	137,594.89	137,594.89	141,000.00	136,200.00
10-65630-10	Wages		0.00	55,341.82	55,341.82	55,224.00	55,224.00
10-65640-10	Overtime		0.00	323.13	323.13	900.00	325.00
10-65680-10	State Unemployment (ER)		0.00	581.23	581.23	828.00	828.00
10-65700-10	Medicare Expense (ER)		0.00	1,455.96	1,455.96	2,858.30	2,858.30
10-65710-10	Social Security Expense (ER)		0.00	12,610.47	12,610.47	12,221.69	12,221.69
10-65740-10	Transfer to Fire Department		0.00	132,000.00	132,000.00	132,000.00	132,000.00
10-65760-10	Transfer to Parks		0.00	19,000.08	19,000.08	19,000.00	19,000.00
10-66020-10	Technology		0.00	5,530.37	5,530.37	5,000.00	5,051.00



10-66030-10	Banquet/Service Awards	0.00	1,015.00	1,015.00	1,300.00	1,015.00
10-66100-10	Library Support	0.00	600.00	600.00	600.00	600.00
10-66200-10	Loan Purchases	0.00	10,799.31	10,799.31	0.00	0.00
10-69000-10	Capital Outlay	0.00	189,584.10	189,584.10	0.00	0.00
10-69100-10	Transfer to WS	0.00	12,391.29	12,391.29	0.00	0.00
10-70100-10	Interest Revenue	0.00	- 165.42	- 165.42	- 110.00	- 110.00
10-70300-10	Other Revenue	0.00	- 2,562.36	- 2,562.36	- 2,000.00	- 2,000.00
10-40025-20	Code Revenue	0.00	- 1,421.00	- 1,421.00	0.00	- 1,000.00
10-40200-20	Health Permit Revenue	0.00	- 7,735.00	- 7,735.00	- 10,000.00	- 10,000.00
10-40360-20	Hotel Occupancy Tax Revenue	0.00	- 14,575.69	- 14,575.69	- 18,000.00	- 18,000.00
10-40380-20	Animal Registration Revenue	0.00	- 66.00	- 66.00	- 300.00	- 300.00
10-40400-20	Permits / Plats/ Site Plan	0.00	- 101,181.74	- 101,181.74	- 50,000.00	- 100,000.00
10-60060-20	Animal Control	0.00	1,000.00	1,000.00	1,000.00	1,000.00
10-60090-20	Code Expenses	0.00	631.95	631.95	0.00	960.00
10-60300-20	Contract Labor	0.00	15,200.00	15,200.00	15,000.00	15,000.00
10-60350-20	Education/Training	0.00	40.00	40.00	0.00	40.00
10-60400-20	Engineering Services	0.00	80,733.46	80,733.46	55,000.00	85,000.00
10-60500-20	Inspection Fees	0.00	33,064.85	33,064.85	20,000.00	40,000.00
10-60600-20	Office Supplies	0.00	991.48	991.48	200.00	1,200.00
10-60800-20	Postage	0.00	34.75	34.75	200.00	200.00
10-60970-20	Street Repairs	0.00	43,327.80	43,327.80	100,000.00	47,235.00
10-61600-20	Dues & Subscriptions	0.00	7,000.00	7,000.00	5,000.00	7,000.00
10-70300-20	Other Revenue	0.00	0.00	0.00	- 1,000.00	- 1,000.00
10-40110-40	Cash Bond	0.00	- 1,000.00	- 1,000.00	0.00	0.00
10-40160-40	Court Fines Revenue	0.00	- 320,340.17	- 320,340.17	- 425,000.00	- 425,000.00
10-40170-40	Credit Card Convenience Fee	0.00	- 1,640.90	- 1,640.90	0.00	0.00
10-60005-40	Building & Security Expenses	0.00	908.67	908.67	0.00	0.00
10-60008-40	MC Fines Collections Expense	0.00	22,911.25	22,911.25	0.00	9,274.00
10-60300-40	Contract Labor	0.00	9,620.00	9,620.00	13,924.00	9,670.00
10-60480-40	Court Technology Expenses	0.00	2,362.50	2,362.50	2,500.00	2,362.50
10-60600-40	Office Supplies	0.00	1,411.33	1,411.33	2,000.00	1,368.28
10-60800-40	Postage	0.00	1,661.25	1,661.25	2,000.00	1,850.00



10-60870-40	State Fees		0.00	101,392.12	101,392.12	127,500.00	127,500.00
10-60890-40	Education/Training		0.00	- 242.06	- 242.06	750.00	750.00
10-61200-40	Credit Card Convenience Fees		0.00	1,331.71	1,331.71	1,000.00	935.44
10-61600-40	Dues & Subscriptions		0.00	75.00	75.00	195.00	245.61
10-61820-40	Insurance - Med/Dental (ER)		0.00	9,122.50	9,122.50	11,065.97	11,065.97
10-61830-40	TMRS Retirement (ER)		0.00	3,266.24	3,266.24	3,240.64	3,240.64
10-62800-40	Legal Fees		0.00	6,177.14	6,177.14	12,000.00	8,229.88
10-65630-40	Wages		0.00	43,203.35	43,203.35	42,848.00	42,848.00
10-65640-40	Overtime		0.00	672.09	672.09	988.80	672.09
10-65680-40	State Unemployment (ER)		0.00	144.12	144.12	207.00	207.00
10-65700-40	Medicare Expense (ER)		0.00	302.54	302.54	635.63	635.63
10-65710-40	Social Security Expense (ER)		0.00	2,679.41	2,679.41	2,771.88	2,771.88
10-40010-50	Impound Lot Revenue		0.00	- 24,410.00	- 24,410.00	- 10,000.00	- 16,200.00
10-40270-50	Donations		0.00	0.00	0.00	- 500.00	- 500.00
10-60010-50	National Night Out Expenses		0.00	1,441.72	1,441.72	0.00	0.00
10-60300-50	Contract Labor		0.00	1,305.00	1,305.00	1,500.00	1,500.00
10-60360-50	Grant Purchases		0.00	0.00	0.00	1,500.00	1,500.00
10-60410-50	Equipment Repairs		0.00	369.99	369.99	1,500.00	1,500.00
10-60430-50	Equipment		0.00	5,925.53	5,925.53	4,000.00	7,100.00
10-60600-50	Office Supplies		0.00	1,989.44	1,989.44	2,100.00	2,250.00
10-60800-50	Postage		0.00	667.65	667.65	300.00	450.00
10-60890-50	Education/Training		0.00	3,160.00	3,160.00	3,500.00	3,500.00
10-61110-50	Vehicle Repairs & Maintenance		0.00	9,933.84	9,933.84	7,000.00	10,043.00
10-61150-50	Gas & Oil		0.00	21,887.75	21,887.75	22,000.00	23,000.00
10-61600-50	Dues & Subscriptions		0.00	4,730.68	4,730.68	7,500.00	7,500.00
10-61750-50	Impound Lot Expense		0.00	4,330.70	4,330.70	2,600.00	4,500.00
10-61800-50	Insurance - Prop/Liability		0.00	23,940.45	23,940.45	21,750.00	23,940.45
10-61820-50	Insurance - Med/Dental (ER)		0.00	53,135.79	53,135.79	77,461.78	77,461.78
10-61830-50	TMRS Retirement (ER)		0.00	31,119.41	31,119.41	32,288.55	32,288.55
10-63100-50	Building Maintenance		0.00	1,932.17	1,932.17	0.00	2,000.00
10-63400-50	Telephone & Internet		0.00	7,323.48	7,323.48	7,500.00	7,500.00
10-63450-50	Technology		0.00	1,976.21	1,976.21	4,000.00	4,000.00



10-63510-50	Uniforms / Clothing Allowance	0.00	3,694.51	3,694.51	5,500.00	5,500.00
10-64000-50	Utilities - Gas & Electric	0.00	3,248.12	3,248.12	3,000.00	3,000.00
10-65600-50	Hiring/Testing Expenses	0.00	751.20	751.20	0.00	1,100.00
10-65610-50	Salary	0.00	60,186.50	60,186.50	62,000.00	62,000.00
10-65630-50	Wages	0.00	318,011.67	318,011.67	347,817.60	334,684.15
10-65640-50	Overtime	0.00	48,033.55	48,033.55	43,804.80	48,504.80
10-65680-50	State Unemployment (ER)	0.00	1,287.12	1,287.12	1,863.00	1,863.00
10-65700-50	Medicare Expense (ER)	0.00	3,247.57	3,247.57	6,577.53	6,577.53
10-65710-50	Social Security Expense (ER)	0.00	28,173.07	28,173.07	28,124.58	28,124.58
10-66020-50	Technology	0.00	213.49	213.49	0.00	0.00
10-66200-50	Loan Purchases	0.00	11,350.00	11,350.00	0.00	0.00
10-69000-50	Capital Outlay	0.00	119,004.78	119,004.78	0.00	0.00
10-70000-50	Grant Revenue	0.00	- 769.88	- 769.88	- 1,500.00	- 1,500.00
10-70300-50	Other Revenue	0.00	- 357.00	- 357.00	- 500.00	- 500.00
10-40270-60	Donations	0.00	- 3,023.07	- 3,023.07	- 5,000.00	- 5,000.00
10-40280-60	Fundraisers	0.00	- 9,897.12	- 9,897.12	- 18,000.00	- 18,000.00
10-40300-60	Transfer from General Fund	0.00	- 132,000.00	- 132,000.00	- 132,000.00	- 132,000.00
10-40330-60	Tarrant County Contract	0.00	- 8,000.00	- 8,000.00	- 8,000.00	- 8,000.00
10-40610-60	Wise County Contract	0.00	- 50,940.00	- 50,940.00	- 50,400.00	- 50,400.00
10-40630-60	Cost Recovery	0.00	- 10,289.42	- 10,289.42	- 16,650.00	- 16,650.00
10-60360-60	Grant Purchases	0.00	5,432.78	5,432.78	25,000.00	25,000.00
10-60430-60	Equipment	0.00	17,411.07	17,411.07	19,000.00	19,000.00
10-60470-60	Fire Safety Program	0.00	982.70	982.70	1,500.00	1,000.00
10-60510-60	Note Payments	0.00	41,401.86	41,401.86	41,401.86	41,401.86
10-60560-60	Support Crew / Supplies	0.00	742.18	742.18	750.00	750.00
10-60580-60	Apparatus Repair & Maintenance	0.00	21,992.55	21,992.55	22,000.00	22,000.00
10-60600-60	Office Supplies	0.00	658.81	658.81	500.00	500.00
10-60610-60	Incentives	0.00	8,410.97	8,410.97	9,000.00	9,000.00
10-60890-60	Education/Training	0.00	1,462.14	1,462.14	1,500.00	1,500.00
10-61150-60	Gas & Oil	0.00	4,125.82	4,125.82	4,500.00	4,500.00
10-61600-60	Subscriptions	0.00	8,201.69	8,201.69	9,500.00	9,500.00
10-61700-60	Apparatus Note/Purchase	0.00	49,743.43	49,743.43	50,000.00	49,743.43



10-61800-60	Insurance - Prop/Liability			0.00	13,419.57	13,419.57	11,200.00	13,419.57
10-61830-60	TMRS Retirement (ER)			0.00	2,140.86	2,140.86	2,143.83	2,143.83
10-61900-60	Insurance - Disability			0.00	3,455.00	3,455.00	3,500.00	3,455.00
10-63100-60	Building Maintenance			0.00	4,272.35	4,272.35	3,000.00	4,200.00
10-63400-60	Telephone & Internet			0.00	2,963.64	2,963.64	4,100.00	3,445.00
10-63450-60	Technology			0.00	949.77	949.77	1,000.00	1,000.00
10-63510-60	Uniforms / Clothing Allowance			0.00	1,243.75	1,243.75	1,250.00	1,250.00
10-64000-60	Utilities - Gas & Electric			0.00	3,719.16	3,719.16	3,750.00	3,750.00
10-65610-60	Salary			0.00	29,334.37	29,334.37	29,000.00	29,000.00
10-65680-60	State Unemployment (ER)			0.00	144.00	144.00	207.00	144.00
10-65700-60	Medicare Expense (ER)			0.00	226.42	226.42	420.50	420.50
10-65710-60	Social Security Expense (ER)			0.00	1,992.06	1,992.06	1,798.00	1,798.00
10-66000-60	EMS Supplies			0.00	5,283.43	5,283.43	6,000.00	6,000.00
10-66030-60	Banquet/Service Awards			0.00	591.97	591.97	1,000.00	600.00
10-66200-60	Loan Purchases			0.00	6,095.60	6,095.60	0.00	0.00
10-69000-60	Capital Outlay			0.00	155,551.79	155,551.79	0.00	0.00
10-70000-60	Grant Revenue			0.00	- 15,049.69	- 15,049.69	- 25,000.00	- 25,000.00
10-61820-70	Health Insurance Benefits			0.00	- 306.74	- 306.74	0.00	0.00
10-40280-80	Fundraisers			0.00	- 71.11	- 71.11	0.00	0.00
10-40300-80	Transfer from General Fund			0.00	- 19,000.08	- 19,000.08	- 19,000.00	- 19,000.00
10-60300-80	Contract Labor			0.00	10,914.75	10,914.75	11,000.00	10,914.75
10-60640-80	Family Park			0.00	2,039.27	2,039.27	4,000.00	4,000.00
10-60650-80	Veterans Park			0.00	862.43	862.43	1,000.00	1,000.00
10-60680-80	Maintenance of Parks by PW			0.00	891.04	891.04	2,000.00	1,530.60
10-64000-80	Utilities - Gas & Electric			0.00	1,617.86	1,617.86	1,000.00	1,554.65
20-10250-00	W/S I&S		3,428.77		0.00	3,428.77	0.00	0.00
20-11300-00	Prepaid Expense		2,940.19		- 2,940.19	0.00	0.00	0.00
20-12000-00	Accounts Receivable		174,512.99		5,124.80	179,637.79	0.00	0.00
20-12050-00	Unbilled Accrual		40,907.91		- 6,251.96	34,655.95	0.00	0.00
20-12060-00	Allow for Bad Debts		- 71,083.36		- 5,588.47	- 76,671.83	0.00	0.00
20-13000-00	Meter Deposits		88,301.94		2,891.76	91,193.70	0.00	0.00
20-13050-00	W/S - CD/Savings		3,561.86		- 3,561.86	0.00	0.00	0.00



20-13100-00	Water & Sewer Checking	169,628.75	- 3,491.73	166,137.02	0.00	0.00
20-13150-00	Water Bond Acct	511.76	- 511.76	0.00	0.00	0.00
20-16010-00	2019 Bond Insurance Premium	8,131.56	- 325.26	7,806.30	0.00	0.00
20-17000-00	Fixed assets	8,251,586.06	234,425.76	8,486,011.82	0.00	0.00
20-17050-00	Fixed assets:Accumulated Depre	- 4,960,319.10	- 303,151.90	- 5,263,471.00	0.00	0.00
20-17100-00	Def Inflow & Outflow Pension	18,638.00	- 39,755.00	- 21,117.00	0.00	0.00
20-21130-00	Accrued Interest	- 12,332.78	0.00	- 12,332.78	0.00	0.00
20-21150-00	Interfund Transfer	- 50,407.95	91,109.51	40,701.56	0.00	- 52,765.00
20-22000-00	NET PENSION LIABILITY	- 13,917.00	49,500.66	35,583.66	0.00	0.00
20-22020-00	Net OPEB Liability	- 8,068.00	- 2,271.00	- 10,339.00	0.00	0.00
20-22100-00	ACCRUED WAGES	0.00	- 2,062.35	- 2,062.35	0.00	0.00
20-22300-00	Accrued vacation	- 14,393.49	5,219.39	- 9,174.10	0.00	0.00
20-22350-00	A/P - other	- 20,202.07	- 4,891.70	- 25,093.77	0.00	0.00
20-22400-00	Customer deposits	- 75,496.32	- 2,430.00	- 77,926.32	0.00	0.00
20-22500-00	Due to general fund	- 7,539.47	- 29,225.51	- 36,764.98	0.00	0.00
20-22600-00	Due to GF Payroll Transfers	17,115.13	0.00	17,115.13	0.00	0.00
20-23000-00	NP Truck 2014	- 18,778.79	4,960.68	- 13,818.11	0.00	0.00
20-23200-00	2019 Bond Payables	- 2,620,000.00	0.00	- 2,620,000.00	0.00	0.00
20-23201-00	Premium on 2019 Bonds	- 92,875.00	3,715.00	- 89,160.00	0.00	0.00
20-24030-00	Sales Tax Billed	0.00	- 733.38	- 733.38	0.00	0.00
20-31000-00	Fund Balance	- 3,355,087.50	0.00	- 3,355,087.50	0.00	0.00
20-40680-00	Water Tower Lease	0.00	600.00	600.00	0.00	0.00
20-69100-00	Transfer from GF	0.00	- 12,391.29	- 12,391.29	0.00	0.00
20-40005-10	2019 Bond Interest Income	0.00	- 24,648.84	- 24,648.84	0.00	0.00
20-40170-10	Credit Card Convenience Fee	0.00	- 1,659.18	- 1,659.18	0.00	0.00
20-40650-10	Meter Deposits (Income)	0.00	0.00	0.00	- 20,000.00	- 20,000.00
20-40660-10	Tap Fees	0.00	- 8,396.00	- 8,396.00	- 30,000.00	- 30,000.00
20-40670-10	Water Revenue	0.00	- 898,103.82	- 898,103.82	- 975,000.00	- 975,000.00
20-40680-10	Water Tower Lease	0.00	- 12,200.00	- 12,200.00	- 12,000.00	- 12,000.00
20-40690-10	Tap Inspection Fees	0.00	- 900.00	- 900.00	0.00	0.00
20-40700-10	Miscellaneous Revenue	0.00	786.23	786.23	- 5,000.00	- 5,000.00
20-60100-10	Bond Interest Expense	0.00	95,235.26	95,235.26	98,126.00	98,126.00



20-60120-10	Depreciation Expense		0.00	324,650.90	324,650.90	0.00	0.00
20-60150-10	Bond Principal		0.00	250.00	250.00	0.00	0.00
20-60300-10	Contract Labor		0.00	10,465.00	10,465.00	14,000.00	14,000.00
20-60400-10	Engineering Services		0.00	28,000.00	28,000.00	65,000.00	65,000.00
20-60510-10	Note Payments		0.00	712.20	712.20	6,000.00	6,000.00
20-60600-10	Office Supplies		0.00	2,551.63	2,551.63	2,000.00	2,500.00
20-60800-10	Postage		0.00	5,063.40	5,063.40	4,000.00	4,500.00
20-60890-10	Education/Training		0.00	361.00	361.00	3,000.00	3,000.00
20-61110-10	Vehicle Repairs & Maintenance		0.00	1,618.65	1,618.65	5,000.00	5,000.00
20-61150-10	Gas & Oil		0.00	5,151.13	5,151.13	10,000.00	9,307.00
20-61200-10	Credit Card Convenience Fees		0.00	16,447.13	16,447.13	12,000.00	23,250.00
20-61600-10	Dues & Subscriptions		0.00	4,139.84	4,139.84	4,500.00	4,500.00
20-61700-10	Equipment Rentals		0.00	224.83	224.83	2,500.00	2,500.00
20-61710-10	Sewer Chemicals		0.00	5,598.43	5,598.43	10,000.00	10,000.00
20-61720-10	Emergency Repairs		0.00	10,346.27	10,346.27	10,000.00	62,765.00
20-61730-10	AMR Cell Fee Per Connection		0.00	6,418.68	6,418.68	6,410.00	6,418.68
20-61800-10	Insurance - Prop/Liability		0.00	24,761.67	24,761.67	29,000.00	29,000.00
20-61820-10	Insurance - Med/Dental (ER)		0.00	29,404.55	29,404.55	44,263.87	44,263.87
20-61830-10	TMRS Retirement (ER)		0.00	7,186.77	7,186.77	14,977.87	14,977.87
20-63100-10	Building Maintenance		0.00	982.73	982.73	1,500.00	1,500.00
20-63400-10	Telephone & Internet		0.00	3,387.67	3,387.67	2,500.00	3,993.00
20-63510-10	Uniforms / Clothing Allowance		0.00	2,670.45	2,670.45	3,000.00	3,000.00
20-64000-10	Utilities - Gas & Electric		0.00	33,613.14	33,613.14	34,000.00	34,000.00
20-65600-10	Hiring/Testing Expenses		0.00	361.87	361.87	0.00	361.87
20-65610-10	Salary		0.00	71,114.14	71,114.14	70,000.00	71,000.00
20-65630-10	Wages		0.00	115,642.07	115,642.07	129,480.00	134,480.00
20-65640-10	Overtime		0.00	8,536.76	8,536.76	3,129.00	9,129.00
20-65680-10	State Unemployment (ER)		0.00	720.00	720.00	828.00	720.00
20-65700-10	Medicare Expense (ER)		0.00	1,440.30	1,440.30	2,937.83	2,937.83
20-65710-10	Social Security Expense (ER)		0.00	13,134.70	13,134.70	12,561.75	12,669.75
20-66050-10	Licenses & Permits		0.00	4,056.50	4,056.50	6,000.00	6,000.00
20-66070-10	Water/Sewer Shop Supplies		0.00	2,794.30	2,794.30	3,000.00	3,000.00



20-66090-10	Water Line Maintenance		0.00	24,126.43	24,126.43	50,000.00	29,000.77
20-66100-10	Water Testing		0.00	14,142.63	14,142.63	28,000.00	22,400.00
20-66110-10	Walnut Creek SUD Purchases		0.00	339,729.92	339,729.92	270,000.00	270,000.00
20-66150-10	Tap Expenses		0.00	3,616.18	3,616.18	3,000.00	3,616.18
20-70100-10	Interest Income		0.00	- 242.42	- 242.42	- 100.00	- 100.00
20-80100-10	Other Expenses		0.00	562.50	562.50	0.00	562.50
20-40670-30	Garbage Revenue		0.00	- 104,621.83	- 104,621.83	0.00	0.00
20-66040-30	Garbage Service		0.00	100,381.19	100,381.19	80,000.00	80,000.00
20-10240-70	2019 Bond Checking		642.79	0.00	642.79	0.00	0.00
20-10260-70	Investment - TexStar		1,219,980.81	- 75,615.49	1,144,365.32	0.00	0.00
20-10270-70	Investment - Logic		1,220,612.31	- 71,963.67	1,148,648.64	0.00	0.00
20-10280-70	Prairie Point EWWTP Expansion		100,000.00	- 100,000.00	0.00	0.00	0.00



2020-2021		Description	Beginning Balance	Transaction Amount	Ending Balance	Adopted Budget	Revised Budget
Account Number							
10-10050-00		General Fund Operating Cash	47,944.59	457,818.32	505,762.91	0.00	0.00
10-10200-00		General Fund Savings	170,829.84	100,025.63	270,855.47	0.00	0.00
10-10250-00		Interest & Sinking	149,209.30	- 56,517.19	92,692.11	0.00	0.00
10-10280-00		Hotel Motel Tax	70,492.43	16,996.31	87,488.74	0.00	0.00
10-10300-00		Fire Department Checking	117,835.08	- 30,275.53	87,559.55	0.00	0.00
10-10350-00		Fire Dept Savings	40,443.41	505.62	40,949.03	0.00	0.00
10-10460-00		Police Seizure Funds	100.38	11,975.90	12,076.28	0.00	0.00
10-10500-00		Police Grant Account	2,835.79	0.29	2,836.08	0.00	0.00
10-10550-00		Muni Court Title 7	4,533.45	- 4,533.45	0.00	0.00	0.00
10-10600-00		Muni Court Security	30,987.61	4,367.50	35,355.11	0.00	0.00
10-10700-00		Muni Court Tech Fund	20,545.32	- 18,086.78	2,458.54	0.00	0.00
10-10740-00		Rolling V	22,904.86	4,673.68	27,578.54	0.00	0.00
10-10850-00		Parks & Recreation Checking	21,660.73	9,437.77	31,098.50	0.00	0.00
10-10900-00		Rhome Beautification Fund	116.00	345.00	461.00	0.00	0.00
10-10950-00		2017 Tax Note Bank Account	42,921.87	- 42,921.87	0.00	0.00	0.00
10-11300-00		Prepaid Expenses	17,354.68	- 2,364.98	14,989.70	0.00	0.00
10-12150-00		Due from water and sewer	36,764.98	2,116.50	38,881.48	0.00	0.00
10-12151-00		Due to/from WS Payroll Trsf	- 17,115.13	43,818.00	26,702.87	0.00	0.00
10-12200-00		Receivable Other	166,531.94	23,551.29	190,083.23	0.00	0.00
10-12201-00		Receivable from PP (Finley)	17,881.51	6,386.25	24,267.76	0.00	0.00
10-12202-00		Receivable from RV (Vinson)	27,095.14	0.00	27,095.14	0.00	0.00
10-12203-00		Receivables from RV (PMB)	44,064.78	7,799.46	51,864.24	0.00	0.00
10-12215-00		Receivables from TX Crossroads	0.00	- 6,937.52	- 6,937.52	0.00	0.00
10-12225-00		Receivables from RockWater Dev	0.00	- 7,822.23	- 7,822.23	0.00	0.00
10-12230-00		Receivables from QT	0.00	- 10,727.82	- 10,727.82	0.00	0.00
10-14000-00		Fixed assets	4,821,232.89	132,367.41	4,953,600.30	0.00	0.00
10-14500-00		Accumulated depreciation	- 2,652,034.03	- 204,328.54	- 2,856,362.57	0.00	0.00
10-14950-00		Investment in G/F/A	- 2,169,198.86	71,961.13	- 2,097,237.73	0.00	0.00



10-16010-00	Bond issue fees 2007 GO Bond	13,073.88	- 2,614.78	10,459.10	0.00	0.00
10-20000-00	Accounts Payable	- 60,778.91	- 55,883.89	- 116,662.80	0.00	0.00
10-20050-00	Taser Lease Purchase Payable	- 8,244.00	2,748.00	- 5,496.00	0.00	0.00
10-20120-00	Prairie Point Development	34,710.61	- 34,710.61	0.00	0.00	0.00
10-20300-00	PP Escrow Liability - Rhome 58	- 30,000.00	0.00	- 30,000.00	0.00	0.00
10-20350-00	RV Escrow Liability - Vinson	- 25,000.00	0.00	- 25,000.00	0.00	0.00
10-20400-00	RV Escrow Liability - PMB Cap	- 25,000.00	0.00	- 25,000.00	0.00	0.00
10-20440-00	Unearned Revenue	0.00	- 218,870.31	- 218,870.31	0.00	0.00
10-20450-00	Accrued Medical	0.00	613.76	613.76	0.00	0.00
10-20490-00	NP Fire Truck	- 22,419.58	22,419.58	0.00	0.00	0.00
10-20540-00	NP Fire Truck 2014	- 116,188.59	10,919.88	- 105,268.71	0.00	0.00
10-20550-00	NP Police Radios 2014	- 168,371.20	31,492.37	- 136,878.83	0.00	0.00
10-20560-00	Note Payable Police Car	- 126,166.78	23,778.35	- 102,388.43	0.00	0.00
10-21020-00	Accrued State Unemployment	- 10.96	- 486.88	- 497.84	0.00	0.00
10-21100-00	Accrued vacation pay	- 33,223.74	8,964.53	- 24,259.21	0.00	0.00
10-21120-00	Accrued Wages	- 6,892.35	- 3,735.63	- 10,627.98	0.00	0.00
10-21130-00	Accrued Interest	- 10,114.92	1,865.75	- 8,249.17	0.00	0.00
10-21150-00	Interfund Transfer	- 40,701.56	- 27,721.05	- 68,422.61	0.00	0.00
10-25060-00	Gen Oblig Refunding Bonds 2016	- 938,000.00	177,000.00	- 761,000.00	0.00	0.00
10-25070-00	Tax Notes	- 369,000.00	112,000.00	- 257,000.00	0.00	0.00
10-25950-00	Amount to be provided for LTD	1,770,410.93	- 385,825.68	1,384,585.25	0.00	0.00
10-31000-00	Fund Balance	- 874,021.39	0.00	- 874,021.39	0.00	74,768.00
10-40990-00	Unallocated	0.00	- 938.14	- 938.14	0.00	0.00
10-40005-10	2017 Tax Note Interest Income	0.00	- 30.33	- 30.33	0.00	0.00
10-40015-10	Rhome Beautification Fund Rev	0.00	- 348.00	- 348.00	0.00	0.00
10-40020-10	I&S Interest Income	0.00	- 39.28	- 39.28	0.00	0.00
10-40045-10	COVID-19 Related Revenue	0.00	- 85,052.00	- 85,052.00	0.00	- 85,052.00
10-40055-10	ARPA Revenue	0.00	- 9,712.23	- 9,712.23	0.00	0.00
10-40100-10	Franchise Fees	0.00	- 71,447.59	- 71,447.59	- 77,000.00	- 77,000.00
10-40240-10	Property Tax M&O	0.00	- 420,663.95	- 420,663.95	- 380,399.01	- 455,167.01
10-40250-10	Property Tax I&S Debt Service	0.00	- 381,268.40	- 381,268.40	- 344,833.35	- 344,833.35
10-40600-10	Sales Tax	0.00	- 962,454.40	- 962,454.40	- 807,621.18	- 807,621.18



10-40650-10	Sales Tax I&S Debt Service	0.00	- 80,378.82	- 80,378.82	- 80,378.82	- 80,378.82
10-40700-10	Miscellaneous Revenue	0.00	- 762.57	- 762.57	- 2,000.00	- 2,000.00
10-40990-10	Unallocated	0.00	938.14	938.14	0.00	0.00
10-50150-10	2017 Bond - AMR	0.00	2,771.72	2,771.72	0.00	0.00
10-60000-10	Accounting Fees	0.00	13,000.00	13,000.00	12,000.00	12,000.00
10-60015-10	COVID-19 Related Expenses	0.00	36,979.26	36,979.26	0.00	85,052.00
10-60020-10	Lease Payment	0.00	13,860.00	13,860.00	2,310.00	1,310.00
10-60080-10	Bank Service Fees	0.00	10,244.92	10,244.92	5,000.00	5,000.00
10-60100-10	Bond Interest Expense	0.00	29,896.71	29,896.71	30,152.00	30,152.00
10-60150-10	Bond Principal	0.00	289,375.00	289,375.00	289,000.00	289,000.00
10-60300-10	Contract Labor	0.00	8,304.69	8,304.69	10,000.00	10,000.00
10-60350-10	Education/Training	0.00	3,370.69	3,370.69	4,000.00	4,000.00
10-60510-10	Note Payments	0.00	3,348.93	3,348.93	3,348.93	3,348.93
10-60600-10	Office Supplies	0.00	1,500.57	1,500.57	2,700.00	2,700.00
10-60800-10	Postage	0.00	676.54	676.54	1,000.00	1,000.00
10-60950-10	Property Tax Service	0.00	17,804.00	17,804.00	22,807.00	22,807.00
10-61200-10	Credit Card Fees	0.00	271.43	271.43	500.00	500.00
10-61600-10	Dues & Subscriptions	0.00	31,978.43	31,978.43	30,000.00	31,000.00
10-61800-10	Insurance - Prop/Liability	0.00	6,941.00	6,941.00	6,358.19	6,358.19
10-61820-10	Insurance - Med/Dental (ER)	0.00	34,609.22	34,609.22	33,859.68	33,859.68
10-61830-10	TMRS Retirement (ER)	0.00	13,249.15	13,249.15	14,435.12	14,435.12
10-62750-10	Legal Notices	0.00	5,204.10	5,204.10	4,000.00	4,000.00
10-62800-10	Legal Fees	0.00	153,520.88	153,520.88	90,000.00	90,000.00
10-63100-10	Building Maintenance	0.00	2,648.38	2,648.38	2,000.00	2,000.00
10-63400-10	Telephone & Internet	0.00	5,876.55	5,876.55	7,500.00	7,500.00
10-63430-10	City Elections	0.00	4,126.89	4,126.89	6,500.00	6,500.00
10-64000-10	Utilities-Gas/Elec/St Lights	0.00	27,544.98	27,544.98	24,000.00	24,000.00
10-65600-10	Hiring/Testing Expenses	0.00	0.00	0.00	250.00	250.00
10-65610-10	Salary	0.00	152,021.06	152,021.06	151,840.00	151,840.00
10-65630-10	Wages	0.00	45,922.36	45,922.36	47,353.80	47,353.80
10-65640-10	Overtime	0.00	0.00	0.00	468.00	468.00
10-65680-10	State Unemployment (ER)	0.00	1,094.43	1,094.43	724.50	724.50



10-65700-10	Medicare Expense (ER)		0.00	2,765.19	2,765.19	2,895.10	2,895.10
10-65710-10	Social Security Expense (ER)		0.00	11,823.56	11,823.56	12,379.04	12,379.04
10-65740-10	Transfer to Fire Department		0.00	132,945.29	132,945.29	132,945.29	132,945.29
10-65760-10	Transfer to Parks		0.00	18,000.00	18,000.00	18,000.00	18,000.00
10-66020-10	Technology		0.00	6,009.14	6,009.14	6,500.00	6,500.00
10-66030-10	Banquet/Service Awards		0.00	2,000.00	2,000.00	2,000.00	2,000.00
10-66100-10	Library Support		0.00	600.00	600.00	600.00	600.00
10-69000-10	Capital Outlay		0.00	61,428.21	61,428.21	0.00	0.00
10-70100-10	Interest Revenue		0.00	- 104.55	- 104.55	- 110.00	- 110.00
10-70300-10	Other Revenue		0.00	- 1,444.76	- 1,444.76	0.00	0.00
10-40025-20	Code Revenue		0.00	- 780.00	- 780.00	0.00	0.00
10-40200-20	Health Permit Revenue		0.00	- 7,075.00	- 7,075.00	- 11,000.00	- 11,000.00
10-40360-20	Hotel Occupancy Tax Revenue		0.00	- 12,829.13	- 12,829.13	- 18,000.00	- 18,000.00
10-40380-20	Animal Registration Revenue		0.00	- 102.00	- 102.00	- 1,800.00	- 1,800.00
10-40400-20	Permits / Plats/ Site Plan		0.00	- 75,258.00	- 75,258.00	- 110,000.00	- 110,000.00
10-60060-20	Animal Control		0.00	895.00	895.00	1,800.00	1,800.00
10-60090-20	Code Expenses		0.00	3,031.00	3,031.00	0.00	0.00
10-60400-20	Engineering Services		0.00	36,944.94	36,944.94	65,000.00	65,000.00
10-60500-20	Inspection Fees		0.00	20,415.95	20,415.95	30,000.00	30,000.00
10-60600-20	Office Supplies		0.00	320.18	320.18	500.00	500.00
10-60800-20	Postage		0.00	240.62	240.62	200.00	200.00
10-60970-20	Street Repairs		0.00	72,847.71	72,847.71	120,000.00	120,000.00
10-61600-20	Dues & Subscriptions		0.00	802.86	802.86	8,225.00	8,225.00
10-61820-20	Insurance - Med/Dental (ER)		0.00	0.00	0.00	2,604.59	2,604.59
10-61830-20	TMRS Retirement (ER)		0.00	956.14	956.14	1,018.06	1,018.06
10-65630-20	Wages		0.00	14,431.41	14,431.41	13,520.00	13,520.00
10-65680-20	State Unemployment (ER)		0.00	36.08	36.08	51.75	51.75
10-65700-20	Medicare Expense (ER)		0.00	205.98	205.98	196.04	196.04
10-65710-20	Social Security Expense (ER)		0.00	880.96	880.96	838.24	838.24
10-69000-20	Capital Outlay		0.00	67,710.16	67,710.16	0.00	0.00
10-70040-20	Developer Contribution		0.00	- 32,710.16	- 32,710.16	0.00	0.00
10-70300-20	Other Revenue		0.00	- 8,930.70	- 8,930.70	0.00	0.00



10-80100-20	Other Expenses		0.00	6,980.57	6,980.57	0.00	0.00	0.00
10-40110-40	Cash Bond		0.00	- 1,000.00	- 1,000.00	0.00	0.00	0.00
10-40160-40	Court Fines Revenue		0.00	- 347,859.91	- 347,859.91	- 409,000.00	- 409,000.00	- 409,000.00
10-40170-40	Credit Card Convenience Fee		0.00	- 7,078.02	- 7,078.02	- 7,000.00	- 7,000.00	- 7,000.00
10-40180-40	Building & Security Revenue		0.00	0.00	0.00	- 1,350.00	- 1,350.00	- 1,350.00
10-40185-40	Court Technology Revenue		0.00	0.00	0.00	- 3,300.00	- 3,300.00	- 3,300.00
10-60005-40	Building & Security Expenses		0.00	0.00	0.00	1,350.00	1,350.00	1,350.00
10-60008-40	MC Fines Collections Expense		0.00	35,835.43	35,835.43	39,000.00	39,000.00	39,000.00
10-60300-40	Contract Labor		0.00	10,970.00	10,970.00	10,800.00	10,800.00	10,800.00
10-60480-40	Court Technology Expenses		0.00	15,339.83	15,339.83	3,300.00	3,300.00	3,300.00
10-60600-40	Office Supplies		0.00	903.31	903.31	2,000.00	2,000.00	2,000.00
10-60800-40	Postage		0.00	1,604.59	1,604.59	2,000.00	2,000.00	2,000.00
10-60870-40	State Fees		0.00	86,815.46	86,815.46	122,700.00	122,700.00	122,700.00
10-60890-40	Education/Training		0.00	500.00	500.00	1,200.00	1,200.00	1,200.00
10-61200-40	Credit Card Convenience Fees		0.00	8,712.38	8,712.38	7,000.00	7,000.00	7,000.00
10-61600-40	Dues & Subscriptions		0.00	55.00	55.00	300.00	300.00	300.00
10-61820-40	Insurance - Med/Dental (ER)		0.00	9,490.24	9,490.24	10,418.36	10,418.36	10,418.36
10-61830-40	TMRS Retirement (ER)		0.00	2,985.55	2,985.55	3,432.95	3,432.95	3,432.95
10-62800-40	Legal Fees		0.00	14,224.56	14,224.56	10,000.00	10,000.00	10,000.00
10-65630-40	Wages		0.00	45,089.54	45,089.54	44,561.92	44,561.92	44,561.92
10-65640-40	Overtime		0.00	0.00	0.00	1,028.35	1,028.35	1,028.35
10-65680-40	State Unemployment (ER)		0.00	144.18	144.18	207.00	207.00	207.00
10-65700-40	Medicare Expense (ER)		0.00	556.77	556.77	661.06	661.06	661.06
10-65710-40	Social Security Expense (ER)		0.00	2,380.65	2,380.65	2,826.60	2,826.60	2,826.60
10-40040-50	Sponsor Revenue - NNO		0.00	- 3,200.00	- 3,200.00	- 3,000.00	- 3,000.00	- 3,000.00
10-40090-50	PD Seized Funds		0.00	- 11,974.90	- 11,974.90	0.00	0.00	0.00
10-40275-50	Auction Proceeds		0.00	- 5,400.61	- 5,400.61	- 6,500.00	- 6,500.00	- 6,500.00
10-40700-50	Miscellaneous Revenue		0.00	- 533.00	- 533.00	- 500.00	- 500.00	- 500.00
10-60010-50	National Night Out Expenses		0.00	760.29	760.29	3,000.00	3,000.00	3,000.00
10-60080-50	Bank Service Fees		0.00	184.04	184.04	0.00	0.00	0.00
10-60300-50	Contract Labor		0.00	765.00	765.00	1,500.00	1,500.00	1,500.00
10-60360-50	Grant Purchases		0.00	0.00	0.00	1,500.00	1,500.00	1,500.00



10-60410-50	Equipment Repairs		0.00	161.00	161.00	1,500.00	1,500.00
10-60430-50	Equipment		0.00	6,735.61	6,735.61	4,000.00	14,000.00
10-60510-50	Note Payments		0.00	27,327.62	27,327.62	27,327.62	27,327.62
10-60600-50	Office Supplies		0.00	3,029.00	3,029.00	2,100.00	2,600.00
10-60800-50	Postage		0.00	401.80	401.80	300.00	450.00
10-60890-50	Education/Training		0.00	9,234.11	9,234.11	3,500.00	10,500.00
10-61110-50	Vehicle Repairs & Maintenance		0.00	17,416.29	17,416.29	7,000.00	19,000.00
10-61150-50	Gas & Oil		0.00	26,893.33	26,893.33	22,000.00	25,000.00
10-61200-50	Credit Card Convenience Fees		0.00	0.00	0.00	0.00	200.00
10-61600-50	Dues & Subscriptions		0.00	11,191.64	11,191.64	7,500.00	10,420.00
10-61800-50	Insurance - Prop/Liability		0.00	21,601.50	21,601.50	21,474.47	21,474.47
10-61820-50	Insurance - Med/Dental (ER)		0.00	60,984.68	60,984.68	72,928.55	72,928.55
10-61830-50	TMRS Retirement (ER)		0.00	29,699.71	29,699.71	34,589.62	34,589.62
10-63100-50	Building Maintenance		0.00	4,682.54	4,682.54	1,000.00	7,880.00
10-63400-50	Telephone & Internet		0.00	7,883.07	7,883.07	7,300.00	4,650.00
10-63450-50	Technology		0.00	713.66	713.66	1,500.00	1,500.00
10-63510-50	Uniforms / Clothing Allowance		0.00	2,850.90	2,850.90	5,500.00	5,500.00
10-64000-50	Utilities - Gas & Electric		0.00	3,504.88	3,504.88	3,000.00	3,000.00
10-65600-50	Hiring/Testing Expenses		0.00	1,225.24	1,225.24	1,000.00	1,000.00
10-65610-50	Salary		0.00	58,086.32	58,086.32	63,440.00	61,940.00
10-65630-50	Wages		0.00	356,831.92	356,831.92	361,622.23	363,122.23
10-65640-50	Overtime		0.00	28,241.00	28,241.00	34,295.23	34,295.23
10-65680-50	State Unemployment (ER)		0.00	2,790.62	2,790.62	1,863.00	1,863.00
10-65700-50	Medicare Expense (ER)		0.00	6,223.57	6,223.57	6,660.68	6,660.68
10-65710-50	Social Security Expense (ER)		0.00	26,611.20	26,611.20	28,480.16	28,480.16
10-70000-50	Grant Revenue		0.00	0.00	0.00	- 1,500.00	- 1,500.00
10-40270-60	Donations		0.00	- 454.35	- 454.35	- 5,000.00	- 5,000.00
10-40280-60	Fundraisers		0.00	0.00	0.00	- 18,000.00	- 18,000.00
10-40300-60	Transfer from General Fund		0.00	- 132,945.29	- 132,945.29	- 132,945.29	- 132,945.29
10-40330-60	Tarrant County Contract		0.00	- 8,000.00	- 8,000.00	- 8,000.00	- 8,000.00
10-40610-60	Wise County Contract		0.00	- 50,940.00	- 50,940.00	- 50,400.00	- 50,400.00
10-40630-60	Cost Recovery		0.00	- 2,308.00	- 2,308.00	- 16,650.00	- 16,650.00



10-60300-60	Contract Labor		0.00	22,600.00	22,600.00	25,500.00	25,500.00
10-60360-60	Grant Purchases		0.00	14,680.76	14,680.76	25,000.00	25,000.00
10-60430-60	Equipment		0.00	12,967.33	12,967.33	18,300.00	16,000.00
10-60470-60	Fire Safety Program		0.00	365.13	365.13	1,000.00	400.00
10-60510-60	Note Payments		0.00	73,880.99	73,880.99	75,383.62	75,383.62
10-60560-60	Support Crew / Supplies		0.00	866.77	866.77	500.00	850.00
10-60580-60	Apparatus Repair & Maintenance		0.00	14,306.34	14,306.34	20,000.00	20,000.00
10-60600-60	Office Supplies		0.00	1,028.19	1,028.19	500.00	974.34
10-60610-60	Incentives		0.00	1,095.77	1,095.77	1,000.00	1,000.00
10-60890-60	Education/Training		0.00	1,552.67	1,552.67	1,500.00	1,500.00
10-61150-60	Gas & Oil		0.00	6,817.16	6,817.16	3,500.00	4,500.00
10-61600-60	Subscriptions		0.00	7,961.19	7,961.19	6,540.00	7,635.00
10-61610-60	Dues		0.00	2,100.80	2,100.80	1,240.00	2,190.00
10-61700-60	Apparatus Note/Purchase		0.00	0.00	0.00	25,000.00	25,000.00
10-61800-60	Insurance - Prop/Liability		0.00	14,737.00	14,737.00	11,358.84	11,634.50
10-61830-60	TMRS Retirement (ER)		0.00	2,026.30	2,026.30	2,271.05	2,271.05
10-61900-60	Insurance - Disability		0.00	3,455.00	3,455.00	3,550.00	3,455.00
10-63100-60	Building Maintenance		0.00	2,360.81	2,360.81	1,000.00	1,000.00
10-63400-60	Telephone & Internet		0.00	4,187.34	4,187.34	3,000.00	2,350.00
10-63450-60	Technology		0.00	351.02	351.02	500.00	400.00
10-63510-60	Uniforms / Clothing Allowance		0.00	2,004.56	2,004.56	1,250.00	1,250.00
10-64000-60	Utilities - Gas & Electric		0.00	4,291.96	4,291.96	3,000.00	3,000.00
10-65610-60	Salary		0.00	30,269.44	30,269.44	30,160.00	30,160.00
10-65680-60	State Unemployment (ER)		0.00	144.18	144.18	207.00	207.00
10-65700-60	Medicare Expense (ER)		0.00	436.67	436.67	437.32	437.32
10-65710-60	Social Security Expense (ER)		0.00	1,867.15	1,867.15	1,869.92	1,869.92
10-66000-60	EMS Supplies		0.00	8,510.02	8,510.02	6,000.00	6,100.00
10-66030-60	Banquet/Service Awards		0.00	0.00	0.00	1,000.00	500.00
10-70000-60	Grant Revenue		0.00	- 8,155.00	- 8,155.00	- 25,000.00	- 25,000.00
10-40300-80	Transfer from General Fund		0.00	- 18,000.00	- 18,000.00	- 18,000.00	- 18,000.00
10-60300-80	Contract Labor		0.00	1,520.67	1,520.67	10,000.00	10,000.00
10-60640-80	Family Park		0.00	2,981.27	2,981.27	4,000.00	4,000.00



10-60650-80	Veterans Park		0.00	1,707.98	1,707.98	1,000.00	1,000.00
10-60680-80	Maintenance of Parks by PW		0.00	1,405.95	1,405.95	2,000.00	2,000.00
10-64000-80	Utilities - Gas & Electric		0.00	1,897.08	1,897.08	1,000.00	1,000.00
10-69000-80	Capital Outlay		0.00	3,229.04	3,229.04	0.00	0.00
20-10250-00	W/S I&S	3,428.77	- 3,428.77		0.00	0.00	0.00
20-11300-00	Prepaid Expense		0.00	2,226.97	2,226.97	0.00	0.00
20-12000-00	Accounts Receivable	179,637.79	- 3,880.83		175,756.96	0.00	0.00
20-12050-00	Unbilled Accrual	34,655.95	22,434.13		57,090.08	0.00	0.00
20-12060-00	Allow for Bad Debts	- 76,671.83	- 3,647.30		- 80,319.13	0.00	0.00
20-13000-00	Meter Deposits	91,193.70	9,702.86		100,896.56	0.00	0.00
20-13100-00	Water & Sewer Checking	166,137.02	- 94,992.94		71,144.08	0.00	0.00
20-16010-00	2019 Bond Insurance Premium	7,806.30	- 325.26		7,481.04	0.00	0.00
20-17000-00	Fixed assets	8,486,011.82	1,756,736.91	10,242,748.73		0.00	0.00
20-17050-00	Fixed assets:Accumulated Depre	- 5,263,471.00	- 321,022.57	- 5,584,493.57		0.00	0.00
20-17100-00	Def Inflow & Outflow Pension	- 21,117.00	13,516.00	- 7,601.00		0.00	0.00
20-20000-00	Accounts Payable	0.00	- 441,152.32	- 441,152.32		0.00	0.00
20-20450-00	Accrued Medical	0.00	599.97	599.97		0.00	0.00
20-21130-00	Accrued Interest	- 12,332.78	263.94	- 12,068.84		0.00	0.00
20-21150-00	Interfund Transfer	40,701.56	27,721.05	68,422.61		0.00	0.00
20-22000-00	NET PENSION LIABILITY	35,583.66	1,179.00	36,762.66		0.00	0.00
20-22020-00	Net OPEB Liability	- 10,339.00	- 1,966.00	- 12,305.00		0.00	0.00
20-22100-00	ACCRUED WAGES	- 2,062.35	- 1,776.67	- 3,839.02		0.00	0.00
20-22300-00	Accrued vacation	- 9,174.10	- 2,494.85	- 11,668.95		0.00	0.00
20-22350-00	A/P - other	- 25,093.77	25,093.77	0.00		0.00	0.00
20-22400-00	Customer deposits	- 77,926.32	- 1,570.00	- 79,496.32		0.00	0.00
20-22500-00	Due to general fund	- 36,764.98	- 2,116.50	- 38,881.48		0.00	0.00
20-22600-00	Due to GF Payroll Transfers	17,115.13	- 43,818.00	- 26,702.87		0.00	0.00
20-23000-00	NP Truck 2014	- 13,818.11	10,356.00	- 3,462.11		0.00	0.00
20-23200-00	2019 Bond Payables	- 2,620,000.00	140,000.00	- 2,480,000.00		0.00	0.00
20-23201-00	Premium on 2019 Bonds	- 89,160.00	3,715.00	- 85,445.00		0.00	0.00
20-24030-00	Sales Tax Billed	- 733.38	28.41	- 704.97		0.00	0.00
20-31000-00	Fund Balance	- 3,097,263.83	0.00	- 3,097,263.83		0.00	0.00



20-40005-10	2019 Bond Interest Income	0.00	-1,481.49	-1,481.49	0.00	0.00
20-40170-10	Credit Card Convenience Fee	0.00	0.00	0.00	-12,000.00	-12,000.00
20-40660-10	Tap Fees	0.00	0.00	0.00	-50,000.00	-50,000.00
20-40670-10	Water Revenue	0.00	-735,362.40	-735,362.40	-618,290.00	-618,290.00
20-40680-10	Water Tower Lease	0.00	-11,050.00	-11,050.00	-12,000.00	-12,000.00
20-40700-10	Miscellaneous Revenue	0.00	-1,541.76	-1,541.76	-1,000.00	-1,000.00
20-60080-10	Bank Service Fees	0.00	31.00	31.00	0.00	0.00
20-60100-10	Bond Interest Expense	0.00	95,346.32	95,346.32	98,126.00	98,126.00
20-60120-10	Depreciation Expense	0.00	321,022.57	321,022.57	0.00	0.00
20-60150-10	Bond Principal	0.00	-70,000.00	-70,000.00	70,000.00	70,000.00
20-60200-10	Water Chemicals	0.00	4,187.25	4,187.25	3,000.00	3,000.00
20-60210-10	Emergency Repairs	0.00	5,000.00	5,000.00	5,000.00	5,000.00
20-60220-10	AMR Cell Fee Per Connection	0.00	11,342.16	11,342.16	6,500.00	6,500.00
20-60230-10	Water Meter/Transmitter	0.00	946.65	946.65	6,600.00	6,600.00
20-60300-10	Contract Labor	0.00	182.50	182.50	0.00	0.00
20-60400-10	Engineering Services	0.00	64,975.29	64,975.29	66,000.00	66,000.00
20-60510-10	Note Payments	0.00	-4,683.12	-4,683.12	5,672.88	5,672.88
20-60600-10	Office Supplies	0.00	1,016.60	1,016.60	2,000.00	2,000.00
20-60800-10	Postage	0.00	4,697.40	4,697.40	4,000.00	4,000.00
20-60890-10	Education/Training	0.00	1,692.00	1,692.00	2,500.00	2,500.00
20-61110-10	Vehicle Repairs & Maintenance	0.00	4,100.27	4,100.27	1,500.00	1,500.00
20-61130-10	Equipment Repair & Maintenance	0.00	2,323.93	2,323.93	3,500.00	3,500.00
20-61150-10	Gas & Oil	0.00	8,157.60	8,157.60	8,000.00	8,000.00
20-61200-10	Credit Card Convenience Fees	0.00	3,937.26	3,937.26	12,000.00	12,000.00
20-61600-10	Dues & Subscriptions	0.00	2,020.66	2,020.66	4,000.00	4,000.00
20-61700-10	Equipment Rentals	0.00	2,033.46	2,033.46	2,000.00	2,000.00
20-61800-10	Insurance - Prop/Liability	0.00	26,068.50	26,068.50	27,376.37	27,376.37
20-61820-10	Insurance - Med/Dental (ER)	0.00	32,160.25	32,160.25	44,278.05	44,278.05
20-61830-10	TMRS Retirement (ER)	0.00	3,058.23	3,058.23	19,031.62	19,031.62
20-63100-10	Building Maintenance	0.00	700.61	700.61	1,000.00	1,000.00
20-63400-10	Telephone & Internet	0.00	4,340.31	4,340.31	6,400.00	6,400.00
20-63510-10	Uniforms / Clothing Allowance	0.00	3,026.73	3,026.73	3,772.00	3,772.00



20-64000-10	Utilities - Gas & Electric		0.00	44,628.45	44,628.45	33,336.68	33,336.68
20-65600-10	Hiring/Testing Expenses		0.00	234.94	234.94	300.00	300.00
20-65610-10	Salary		0.00	73,003.16	73,003.16	72,800.00	72,800.00
20-65630-10	Wages		0.00	155,440.32	155,440.32	172,577.60	172,577.60
20-65640-10	Overtime		0.00	10,755.39	10,755.39	7,366.32	7,366.32
20-65680-10	State Unemployment (ER)		0.00	1,368.04	1,368.04	931.50	931.50
20-65700-10	Medicare Expense (ER)		0.00	3,205.59	3,205.59	3,664.78	3,664.78
20-65710-10	Social Security Expense (ER)		0.00	13,706.57	13,706.57	15,670.12	15,670.12
20-66020-10	Technology		0.00	449.72	449.72	500.00	500.00
20-66030-10	Groundwater Production Fee		0.00	5,961.05	5,961.05	3,200.00	3,200.00
20-66050-10	Licenses & Permits		0.00	4,206.65	4,206.65	6,000.00	6,000.00
20-66070-10	Water/Sewer Shop Supplies		0.00	1,300.13	1,300.13	2,500.00	2,500.00
20-66090-10	Water Line Maintenance		0.00	890.09	890.09	4,000.00	4,000.00
20-66100-10	Water Testing		0.00	7,648.69	7,648.69	9,500.00	9,500.00
20-66110-10	Walnut Creek SUD Purchases		0.00	289,221.10	289,221.10	275,000.00	275,000.00
20-66400-10	Well/Tank/Meter Vault Maint		0.00	5,235.55	5,235.55	5,000.00	5,000.00
20-70100-10	Interest Income		0.00	- 132.86	- 132.86	- 100.00	- 100.00
20-70300-10	Other Revenue		0.00	- 5,191.00	- 5,191.00	0.00	0.00
20-40670-20	Sewer Revenue		0.00	- 150,474.03	- 150,474.03	- 343,910.00	- 343,910.00
20-60200-20	Sewer Chemicals		0.00	4,468.84	4,468.84	3,000.00	3,000.00
20-66090-20	Sewer Line Maintenance		0.00	48.68	48.68	2,000.00	2,000.00
20-66100-20	Sewer Testing		0.00	12,516.20	12,516.20	9,500.00	9,500.00
20-66400-20	WWTP/Lift Station Maintenance		0.00	40,707.60	40,707.60	8,000.00	8,000.00
20-40670-30	Garbage Revenue		0.00	- 94,078.72	- 94,078.72	- 82,800.00	- 82,800.00
20-66040-30	Garbage Service		0.00	82,006.16	82,006.16	82,800.00	82,800.00
20-10240-70	2019 Bond Checking		642.79	3,428.77	4,071.56	0.00	0.00
20-10260-70	Investment - TexStar		1,144,365.32	- 1,144,365.28	0.04	0.00	0.00
20-10270-70	Investment - Logic		1,148,648.64	- 235,820.58	912,828.06	0.00	0.00



2021-2022		Description	Beginning Balance	Transaction Amount	Ending Balance	Adopted Budget	Revised Budget
Account Number							
10-10050-00		General Fund Operating Cash	505,762.91	- 3,038.05	502,724.86	0.00	0.00
10-10200-00		General Fund Savings	270,855.47	- 50,684.28	220,171.19	0.00	0.00
10-10250-00		Interest & Sinking	92,692.11	353,183.37	445,875.48	0.00	0.00
10-10280-00		Hotel Motel Tax	87,488.74	65.24	87,553.98	0.00	0.00
10-10300-00		Fire Department Checking	87,559.55	- 47,355.97	40,203.58	0.00	0.00
10-10350-00		Fire Dept Savings	40,949.03	20,274.35	61,223.38	0.00	0.00
10-10460-00		Police Seizure Funds	12,076.28	4,108.27	16,184.55	0.00	0.00
10-10500-00		Police Grant Account	2,836.08	- 26.95	2,809.13	0.00	0.00
10-10600-00		Muni Court Security	35,355.11	5,675.52	41,030.63	0.00	0.00
10-10700-00		Muni Court Tech Fund	2,458.54	- 1,767.20	691.34	0.00	0.00
10-10740-00		Rolling V	27,578.54	- 13,939.53	13,639.01	0.00	0.00
10-10850-00		Parks & Recreation Checking	31,098.50	21,072.81	52,171.31	0.00	0.00
10-10900-00		Rhome Beautification Fund	461.00	722.00	1,183.00	0.00	0.00
10-11000-00		Payroll Processing	0.00	20.00	20.00	0.00	0.00
10-11300-00		Prepaid Expenses	14,989.70	0.00	14,989.70	0.00	0.00
10-12150-00		Due from water and sewer	38,881.48	100.00	38,981.48	0.00	0.00
10-12151-00		Due to/from WS Payroll Trsf	26,702.87	0.00	26,702.87	0.00	0.00
10-12200-00		Receivable Other	190,083.23	0.00	190,083.23	0.00	0.00
10-12201-00		Receivable from PP (Finley)	24,267.76	0.00	24,267.76	0.00	0.00
10-12202-00		Receivable from RV (Vinson)	27,095.14	0.00	27,095.14	0.00	0.00
10-12203-00		Receivables from RV (PMB)	51,864.24	122,209.94	174,074.18	0.00	0.00
10-12205-00		COVID-19 Related Receivables	0.00	- 451.75	- 451.75	0.00	0.00
10-12215-00		Receivables from TX Crossroads	- 6,937.52	1,126.57	- 5,810.95	0.00	0.00
10-12225-00		Receivables from RockWater Dev	- 7,822.23	8,829.24	1,007.01	0.00	0.00
10-12230-00		Receivables from QT	- 10,727.82	9,978.49	- 749.33	0.00	0.00
10-14000-00		Fixed assets	4,953,600.30	0.00	4,953,600.30	0.00	0.00
10-14500-00		Accumulated depreciation	- 2,856,362.57	0.00	- 2,856,362.57	0.00	0.00
10-14950-00		Investment in G/F/A	- 2,097,237.73	0.00	- 2,097,237.73	0.00	0.00



10-16010-00	Bond issue fees 2007 GO Bond	10,459.10	0.00	10,459.10	0.00	0.00
10-20000-00	Accounts Payable	- 116,662.80	81,531.49	- 35,131.31	0.00	0.00
10-20050-00	Taser Lease Purchase Payable	- 5,496.00	0.00	- 5,496.00	0.00	0.00
10-20300-00	PP Escrow Liability - Rhome 58	- 30,000.00	0.00	- 30,000.00	0.00	0.00
10-20350-00	RV Escrow Liability - Vinson	- 25,000.00	0.00	- 25,000.00	0.00	0.00
10-20400-00	RV Escrow Liability - PMB Cap	- 25,000.00	0.00	- 25,000.00	0.00	0.00
10-20440-00	Unearned Revenue	- 218,870.31	0.00	- 218,870.31	0.00	0.00
10-20450-00	Accrued Medical	613.76	4,700.08	5,313.84	0.00	0.00
10-20460-00	Accrued Dental	0.00	- 414.70	- 414.70	0.00	0.00
10-20470-00	Accrued Vision	0.00	- 215.82	- 215.82	0.00	0.00
10-20540-00	NP Fire Truck 2014	- 105,268.71	0.00	- 105,268.71	0.00	0.00
10-20550-00	NP Police Radios 2014	- 136,878.83	0.00	- 136,878.83	0.00	0.00
10-20560-00	Note Payable Police Car	- 102,388.43	0.00	- 102,388.43	0.00	0.00
10-21010-00	Child Support	0.00	- 772.80	- 772.80	0.00	0.00
10-21020-00	Accrued State Unemployment	- 497.84	242.73	- 255.11	0.00	0.00
10-21040-00	FIT Payable	0.00	1,118.80	1,118.80	0.00	0.00
10-21060-00	Social Security Payable	0.00	2,000.18	2,000.18	0.00	0.00
10-21070-00	Accrued Colonial	0.00	- 1,800.04	- 1,800.04	0.00	0.00
10-21080-00	Accrued TMRS	0.00	- 3,700.81	- 3,700.81	0.00	0.00
10-21100-00	Accrued vacation pay	- 24,259.21	0.00	- 24,259.21	0.00	0.00
10-21120-00	Accrued Wages	- 10,627.98	0.00	- 10,627.98	0.00	0.00
10-21130-00	Accrued Interest	- 8,249.17	0.00	- 8,249.17	0.00	0.00
10-21150-00	Interfund Transfer	- 68,422.61	745.58	- 67,677.03	0.00	0.00
10-25060-00	Gen Oblig Refunding Bonds 2016	- 761,000.00	0.00	- 761,000.00	0.00	0.00
10-25070-00	Tax Notes	- 257,000.00	0.00	- 257,000.00	0.00	0.00
10-25950-00	Amount to be provided for LTD	1,384,585.25	0.00	1,384,585.25	0.00	0.00
10-31000-00	Fund Balance	- 1,045,604.93	0.00	- 1,045,604.93	0.00	0.00
10-21000-10	Payroll Liabilities	0.00	772.80	772.80	0.00	0.00
10-40015-10	Rhome Beautification Fund Rev	0.00	- 722.00	- 722.00	0.00	0.00
10-40020-10	I&S Interest Income	0.00	- 505.29	- 505.29	0.00	0.00
10-40100-10	Franchise Fees	0.00	- 8,447.92	- 8,447.92	- 77,000.00	- 77,000.00
10-40240-10	Property Tax M&O	0.00	- 469,940.72	- 469,940.72	- 485,956.00	- 485,956.00



10-40250-10	Property Tax I&S Debt Service	0.00	- 352,753.95	- 352,753.95	- 318,333.00	- 318,333.00
10-40600-10	Sales Tax	0.00	- 1,118,211.77	- 1,118,211.77	- 895,000.00	- 895,000.00
10-40650-10	Sales Tax I&S Debt Service	0.00	0.00	0.00	- 80,379.00	- 80,379.00
10-40700-10	Miscellaneous Revenue	0.00	- 54,608.87	- 54,608.87	- 2,000.00	- 2,000.00
10-60000-10	Accounting Fees	0.00	14,000.00	14,000.00	13,000.00	14,000.00
10-60015-10	COVID-19 Related Expenses	0.00	170.00	170.00	0.00	0.00
10-60020-10	Lease Payment	0.00	14,553.00	14,553.00	14,553.00	14,553.00
10-60025-10	ARPA Expenses	0.00	164,988.24	164,988.24	0.00	0.00
10-60080-10	Bank Service Fees	0.00	4,269.05	4,269.05	5,000.00	5,000.00
10-60100-10	Bond Interest Expense	0.00	21,130.05	21,130.05	23,726.00	23,726.00
10-60150-10	Bond Principal	0.00	184,375.00	184,375.00	295,000.00	295,000.00
10-60300-10	Contract Labor	0.00	27,015.60	27,015.60	10,000.00	27,000.00
10-60510-10	Note Payments	0.00	3,348.93	3,348.93	3,348.93	3,348.93
10-60600-10	Office Supplies	0.00	1,371.63	1,371.63	2,700.00	2,700.00
10-60800-10	Postage	0.00	519.31	519.31	1,000.00	1,000.00
10-60890-10	Education/Training	0.00	1,410.00	1,410.00	4,000.00	4,000.00
10-60950-10	Property Tax Service	0.00	14,736.00	14,736.00	24,807.00	24,807.00
10-61200-10	Credit Card Fees	0.00	415.54	415.54	500.00	500.00
10-61600-10	Dues & Subscriptions	0.00	12,654.75	12,654.75	35,000.00	28,000.00
10-61800-10	Insurance - Prop/Liability	0.00	7,021.27	7,021.27	6,675.00	6,675.00
10-61820-10	Insurance - Med/Dental (ER)	0.00	29,529.30	29,529.30	37,922.00	37,922.00
10-61830-10	TMRS Retirement (ER)	0.00	11,163.58	11,163.58	15,012.00	15,012.00
10-62750-10	Legal Notices	0.00	5,468.25	5,468.25	4,000.00	4,000.00
10-62800-10	Legal Fees	0.00	86,930.50	86,930.50	96,000.00	96,000.00
10-63100-10	Building Maintenance	0.00	1,663.52	1,663.52	2,000.00	2,000.00
10-63400-10	Telephone & Internet	0.00	4,492.33	4,492.33	8,000.00	8,000.00
10-63430-10	City Elections	0.00	3,721.56	3,721.56	4,000.00	4,000.00
10-64000-10	Utilities-Gas/Elec/St Lights	0.00	26,418.23	26,418.23	24,000.00	24,000.00
10-64100-10	Utilities - Water (Water)	0.00	567.90	567.90	500.00	500.00
10-65600-10	Hiring/Testing Expenses	0.00	282.00	282.00	250.00	250.00
10-65610-10	Salary	0.00	136,083.72	136,083.72	164,940.00	160,940.00
10-65630-10	Wages	0.00	28,498.20	28,498.20	43,060.00	36,060.00



10-65640-10	Overtime		0.00	197.30	197.30	500.00	500.00
10-65680-10	State Unemployment (ER)		0.00	29.31	29.31	770.00	770.00
10-65700-10	Medicare Expense (ER)		0.00	2,332.14	2,332.14	3,039.00	3,039.00
10-65710-10	Social Security Expense (ER)		0.00	9,972.01	9,972.01	12,998.00	12,998.00
10-65740-10	Transfer to Fire Department		0.00	155,203.84	155,203.84	134,681.61	134,681.61
10-65760-10	Transfer to Parks		0.00	21,051.00	21,051.00	21,051.00	21,051.00
10-66020-10	Technology		0.00	4,217.78	4,217.78	8,500.00	8,500.00
10-66030-10	Banquet/Service Awards		0.00	624.85	624.85	2,000.00	2,000.00
10-66100-10	Library Support		0.00	600.00	600.00	600.00	600.00
10-69100-10	Transfer to WS		0.00	50,910.00	50,910.00	0.00	0.00
10-70100-10	Interest Revenue		0.00	- 616.26	- 616.26	- 110.00	- 110.00
10-70300-10	Other Revenue		0.00	- 310.00	- 310.00	0.00	0.00
10-40025-20	Code Revenue		0.00	- 1,055.00	- 1,055.00	0.00	0.00
10-40200-20	Health Permit Revenue		0.00	- 6,400.00	- 6,400.00	- 13,000.00	- 13,000.00
10-40360-20	Hotel Occupancy Tax Revenue		0.00	- 18,629.71	- 18,629.71	- 18,000.00	- 18,000.00
10-40380-20	Animal Registration Revenue		0.00	- 90.00	- 90.00	- 1,800.00	- 1,800.00
10-40400-20	Permits / Plats/ Site Plan		0.00	- 50,344.64	- 50,344.64	- 125,000.00	- 125,000.00
10-60060-20	Animal Control		0.00	325.00	325.00	1,800.00	1,800.00
10-60090-20	Code Expenses		0.00	3,298.00	3,298.00	0.00	0.00
10-60300-20	Contract Labor		0.00	600.00	600.00	10,300.00	10,300.00
10-60400-20	Engineering Services		0.00	26,575.48	26,575.48	50,000.00	50,000.00
10-60500-20	Inspection Fees		0.00	16,765.66	16,765.66	30,000.00	30,000.00
10-60600-20	Office Supplies		0.00	47.98	47.98	500.00	500.00
10-60800-20	Postage		0.00	191.88	191.88	350.00	350.00
10-60970-20	Street Repairs		0.00	43,835.91	43,835.91	120,000.00	120,000.00
10-61600-20	Dues & Subscriptions		0.00	5,000.00	5,000.00	5,000.00	5,000.00
10-61820-20	Insurance - Med/Dental (ER)		0.00	0.00	0.00	2,917.01	2,917.01
10-61830-20	TMRS Retirement (ER)		0.00	544.21	544.21	1,058.00	1,058.00
10-65630-20	Wages		0.00	8,069.55	8,069.55	14,060.80	14,060.80
10-65680-20	State Unemployment (ER)		0.00	131.17	131.17	53.19	53.19
10-65700-20	Medicare Expense (ER)		0.00	117.00	117.00	205.84	205.84
10-65710-20	Social Security Expense (ER)		0.00	500.31	500.31	880.15	880.15







10-60800-50	Postage		0.00	164.33	164.33	300.00	300.00
10-60890-50	Education/Training		0.00	2,344.52	2,344.52	4,000.00	4,000.00
10-61110-50	Vehicle Repairs & Maintenance		0.00	8,868.51	8,868.51	7,000.00	7,000.00
10-61150-50	Gas & Oil		0.00	28,058.33	28,058.33	22,000.00	22,000.00
10-61600-50	Dues & Subscriptions		0.00	13,106.01	13,106.01	10,992.00	18,590.52
10-61800-50	Insurance - Prop/Liability		0.00	23,886.56	23,886.56	22,240.14	27,289.14
10-61820-50	Insurance - Med/Dental (ER)		0.00	55,498.32	55,498.32	81,679.98	81,679.98
10-61830-50	TMRS Retirement (ER)		0.00	26,280.92	26,280.92	35,972.00	35,972.00
10-63100-50	Building Maintenance		0.00	955.44	955.44	1,000.00	1,000.00
10-63400-50	Telephone & Internet		0.00	6,360.46	6,360.46	8,500.00	8,500.00
10-63510-50	Uniforms / Clothing Allowance		0.00	5,035.24	5,035.24	6,500.00	6,500.00
10-64000-50	Utilities - Gas & Electric		0.00	2,731.65	2,731.65	3,500.00	3,500.00
10-64100-50	Utilities - Water (Water)		0.00	511.11	511.11	500.00	500.00
10-65600-50	Hiring/Testing Expenses		0.00	669.10	669.10	400.00	400.00
10-65610-50	Salary		0.00	65,787.57	65,787.57	78,000.00	78,000.00
10-65630-50	Wages		0.00	298,004.23	298,004.23	383,775.00	383,775.00
10-65640-50	Overtime		0.00	21,891.39	21,891.39	34,295.23	34,295.23
10-65680-50	State Unemployment (ER)		0.00	524.60	524.60	1,915.00	1,915.00
10-65700-50	Medicare Expense (ER)		0.00	5,433.97	5,433.97	6,993.71	6,993.71
10-65710-50	Social Security Expense (ER)		0.00	23,235.01	23,235.01	29,904.17	29,904.17
10-66020-50	Technology		0.00	471.50	471.50	1,500.00	1,500.00
10-70000-50	Grant Revenue		0.00	- 811.45	- 811.45	- 1,500.00	- 1,500.00
10-21020-60	Accrued State Unemployment		0.00	- 9.18	- 9.18	0.00	0.00
10-21060-60	Social Security Payable		0.00	- 0.02	- 0.02	0.00	0.00
10-21150-60	Interdepartment Transfer		0.00	- 740.58	- 740.58	0.00	0.00
10-40270-60	Donations		0.00	- 18,467.00	- 18,467.00	- 5,000.00	- 5,000.00
10-40280-60	Fundraisers		0.00	0.00	0.00	- 18,000.00	- 18,000.00
10-40300-60	Transfer from General Fund		0.00	- 155,203.84	- 155,203.84	- 134,681.61	- 134,681.61
10-40330-60	Tarrant County Contract		0.00	0.00	0.00	- 8,000.00	- 8,000.00
10-40550-60	RD - CPR Initiative Sponsors		0.00	0.00	0.00	- 2,000.00	- 2,000.00
10-40555-60	RD - CPR Initiative Class Fees		0.00	0.00	0.00	- 2,160.00	- 2,160.00
10-40610-60	Wise County Contract		0.00	- 45,981.96	- 45,981.96	- 52,000.00	- 52,000.00



10-40630-60	Cost Recovery		0.00	- 10,759.84	- 10,759.84	- 16,650.00	- 16,650.00
10-60080-60	Bank Service Fees		0.00	38.20	38.20	0.00	0.00
10-60300-60	Contract Labor		0.00	27,405.00	27,405.00	60,700.00	60,700.00
10-60360-60	Grant Purchases		0.00	16,710.10	16,710.10	25,000.00	25,000.00
10-60430-60	Equipment		0.00	12,974.00	12,974.00	20,000.00	20,000.00
10-60470-60	Fire Safety Program		0.00	190.52	190.52	1,000.00	1,000.00
10-60492-60	CPR Initiative - Fee Classes		0.00	0.00	0.00	2,160.00	2,160.00
10-60495-60	CPR Initiative - Sponsored		0.00	0.00	0.00	2,000.00	2,000.00
10-60510-60	Note Payments		0.00	49,702.27	49,702.27	49,702.27	49,702.27
10-60560-60	Support Crew / Supplies		0.00	1,677.19	1,677.19	1,250.00	1,250.00
10-60580-60	Apparatus Repair & Maintenance		0.00	27,322.53	27,322.53	20,000.00	20,000.00
10-60600-60	Office Supplies		0.00	834.61	834.61	1,250.00	1,250.00
10-60610-60	Incentives		0.00	414.45	414.45	1,000.00	1,000.00
10-60890-60	Education/Training		0.00	611.40	611.40	2,500.00	2,500.00
10-61150-60	Gas & Oil		0.00	9,956.25	9,956.25	5,850.00	5,850.00
10-61600-60	Subscriptions		0.00	11,634.70	11,634.70	8,500.00	8,500.00
10-61610-60	Dues		0.00	1,633.63	1,633.63	2,000.00	2,000.00
10-61700-60	Apparatus Note/Purchase		0.00	0.00	0.00	40,000.00	40,000.00
10-61800-60	Insurance - Prop/Liability		0.00	18,506.00	18,506.00	12,329.00	12,329.00
10-61830-60	TMRS Retirement (ER)		0.00	1,684.99	1,684.99	2,361.00	2,361.00
10-61900-60	Insurance - Disability		0.00	3,476.00	3,476.00	3,737.50	3,737.50
10-63100-60	Building Maintenance		0.00	2,445.63	2,445.63	1,500.00	1,500.00
10-63400-60	Telephone & Internet		0.00	3,580.64	3,580.64	3,000.00	3,000.00
10-63510-60	Uniforms / Clothing Allowance		0.00	1,900.75	1,900.75	3,000.00	3,000.00
10-64000-60	Utilities - Gas & Electric		0.00	3,232.40	3,232.40	3,000.00	3,000.00
10-64100-60	Utilities - Water (Water)		0.00	319.50	319.50	500.00	500.00
10-65610-60	Salary		0.00	24,850.80	24,850.80	32,407.00	32,407.00
10-65680-60	State Unemployment (ER)		0.00	9.18	9.18	252.00	252.00
10-65700-60	Medicare Expense (ER)		0.00	360.34	360.34	459.18	459.18
10-65710-60	Social Security Expense (ER)		0.00	1,540.75	1,540.75	1,963.42	1,963.42
10-66000-60	EMS Supplies		0.00	6,079.65	6,079.65	7,000.00	7,000.00
10-66020-60	Technology		0.00	3,279.28	3,279.28	3,500.00	3,500.00



10-66030-60	Banquet/Service Awards		0.00	549.08	549.08	1,000.00	1,000.00
10-70000-60	Grant Revenue		0.00	- 9,820.75	- 9,820.75	- 28,500.00	- 28,500.00
10-70300-60	Other Income		0.00	- 90.00	- 90.00	0.00	0.00
10-40300-80	Transfer from General Fund		0.00	- 21,051.00	- 21,051.00	- 21,051.00	- 21,051.00
10-40700-80	Miscellaneous Revenue		0.00	- 600.00	- 600.00	0.00	0.00
10-60300-80	Contract Labor		0.00	0.00	0.00	2,000.00	2,000.00
10-60640-80	Family Park		0.00	1,562.86	1,562.86	10,000.00	10,000.00
10-60650-80	Veterans Park		0.00	213.60	213.60	1,000.00	1,000.00
10-60680-80	Maintenance of Parks by PW		0.00	354.51	354.51	2,000.00	2,000.00
10-64000-80	Utilities - Gas & Electric		0.00	1,575.70	1,575.70	6,050.32	6,050.32
10-64100-80	Utilities - Water (Water)		0.00	2,897.77	2,897.77	0.00	0.00
20-11300-00	Prepaid Expense	2,226.97		0.00	2,226.97	0.00	0.00
20-12000-00	Accounts Receivable	175,756.96		60,905.93	236,662.89	0.00	0.00
20-12050-00	Unbilled Accrual	57,090.08		0.00	57,090.08	0.00	0.00
20-12060-00	Allow for Bad Debts	- 80,319.13		0.00	- 80,319.13	0.00	0.00
20-13000-00	Meter Deposits	100,896.56		22,985.74	123,882.30	0.00	0.00
20-13100-00	Water & Sewer Checking	71,144.08		2,364,382.85	2,435,526.93	0.00	0.00
20-16010-00	2019 Bond Insurance Premium	7,481.04		0.00	7,481.04	0.00	0.00
20-17000-00	Fixed assets	10,242,748.73		0.00	10,242,748.73	0.00	0.00
20-17050-00	Fixed assets:Accumulated Depre	- 5,584,493.57		0.00	- 5,584,493.57	0.00	0.00
20-17100-00	Def inflow & Outflow Pension	- 7,601.00		0.00	- 7,601.00	0.00	0.00
20-19905-00	Bank Notes	0.00		- 248,384.77	- 248,384.77	0.00	0.00
20-20000-00	Accounts Payable	- 441,152.32		50,456.35	- 390,695.97	0.00	0.00
20-20450-00	Accrued Medical	599.97		- 5,737.35	- 5,137.38	0.00	0.00
20-20460-00	Accrued Dental	0.00		- 1,264.46	- 1,264.46	0.00	0.00
20-20470-00	Accrued Vision	0.00		- 162.38	- 162.38	0.00	0.00
20-21020-00	Accrued State Unemployment	0.00		87.16	87.16	0.00	0.00
20-21040-00	FIT Payable	0.00		- 1,118.80	- 1,118.80	0.00	0.00
20-21060-00	FICA Payable	0.00		- 2,000.16	- 2,000.16	0.00	0.00
20-21070-00	Accrued Colonial	0.00		- 856.02	- 856.02	0.00	0.00
20-21080-00	Accrued TMRS	0.00		- 901.15	- 901.15	0.00	0.00
20-21130-00	Accrued Interest	- 12,068.84		0.00	- 12,068.84	0.00	0.00



20-21150-00	Interfund Transfer	68,422.61	- 5.00	68,417.61	0.00	0.00
20-22000-00	NET PENSION LIABILITY	36,762.66	0.00	36,762.66	0.00	0.00
20-22020-00	Net OPEB Liability	- 12,305.00	0.00	- 12,305.00	0.00	0.00
20-22100-00	ACCURED WAGES	- 3,839.02	0.00	- 3,839.02	0.00	0.00
20-22300-00	Accrued vacation	- 11,668.95	0.00	- 11,668.95	0.00	0.00
20-22400-00	Customer deposits	- 79,496.32	27.94	- 79,468.38	0.00	0.00
20-22500-00	Due to general fund	- 38,881.48	- 100.00	- 38,981.48	0.00	0.00
20-22505-00	DT/DF Rhome Beautification Fnd	0.00	- 5.00	- 5.00	0.00	0.00
20-22600-00	Due to GF Payroll Transfers	- 26,702.87	0.00	- 26,702.87	0.00	0.00
20-23000-00	NP Truck 2014	- 3,462.11	0.00	- 3,462.11	0.00	0.00
20-23200-00	2019 Bond Payables	- 2,480,000.00	0.00	- 2,480,000.00	0.00	0.00
20-23201-00	Premium on 2019 Bonds	- 85,445.00	0.00	- 85,445.00	0.00	0.00
20-24020-00	Refuse Billed	0.00	- 400.00	- 400.00	0.00	0.00
20-24030-00	Sales Tax Billed	- 704.97	883.48	178.51	0.00	0.00
20-24040-00	Sales Tax Collected	0.00	306.38	306.38	0.00	0.00
20-29997-00	A/P - other	0.00	- 27.94	- 27.94	0.00	0.00
20-31000-00	Fund Balance	- 2,811,888.74	0.00	- 2,811,888.74	0.00	0.00
20-40300-00	Transfer from General Fund	0.00	- 50,910.00	- 50,910.00	0.00	0.00
20-40700-00	Other Income	0.00	- 63.10	- 63.10	0.00	0.00
20-10650-10	Meter Deposits Liability	0.00	- 37,500.50	- 37,500.50	0.00	0.00
20-20450-10	Accrued Medical	0.00	200.00	200.00	0.00	0.00
20-20460-10	Accrued Dental	0.00	575.37	575.37	0.00	0.00
20-20470-10	Accrued Vision	0.00	93.94	93.94	0.00	0.00
20-40005-10	2019 Bond Interest Income	0.00	- 1,595.38	- 1,595.38	0.00	0.00
20-40650-10	Meter Deposits (Income)	0.00	29,405.50	29,405.50	0.00	0.00
20-40660-10	Tap Fees	0.00	- 5,222.70	- 5,222.70	- 30,000.00	- 30,000.00
20-40670-10	Water Revenue	0.00	- 711,412.63	- 711,412.63	- 950,000.00	- 950,000.00
20-40680-10	Water Tower Lease	0.00	- 9,850.00	- 9,850.00	- 12,000.00	- 12,000.00
20-40700-10	Miscellaneous Revenue	0.00	- 1,000,713.01	- 1,000,713.01	- 5,000.00	- 5,000.00
20-60100-10	Bond Interest Expense	0.00	96,525.00	96,525.00	96,026.00	96,026.00
20-60150-10	Bond Principal	0.00	75,375.00	75,375.00	75,000.00	75,000.00
20-60200-10	Water Chemicals	0.00	4,698.40	4,698.40	3,300.00	3,300.00



20-60210-10	Emergency Repairs		0.00	54,198.23	54,198.23	5,000.00	5,000.00
20-60220-10	AMR Cell Fee Per Connection		0.00	0.00	0.00	6,500.00	6,500.00
20-60230-10	Water Meter/Transmitter		0.00	3,406.45	3,406.45	9,400.00	9,400.00
20-60300-10	Contract Labor		0.00	2,482.50	2,482.50	0.00	0.00
20-60400-10	Engineering Services		0.00	28,952.27	28,952.27	40,000.00	40,000.00
20-60510-10	Note Payments		0.00	4,727.40	4,727.40	5,672.88	5,672.88
20-60600-10	Office Supplies		0.00	1,777.03	1,777.03	2,000.00	2,000.00
20-60800-10	Postage		0.00	3,252.80	3,252.80	4,000.00	4,000.00
20-60890-10	Education/Training		0.00	1,649.98	1,649.98	2,500.00	2,500.00
20-61110-10	Vehicle Repairs & Maintenance		0.00	1,081.15	1,081.15	6,000.00	6,000.00
20-61130-10	Equipment Repair & Maintenance		0.00	1,669.28	1,669.28	5,000.00	5,000.00
20-61150-10	Gas & Oil		0.00	8,660.47	8,660.47	9,000.00	9,000.00
20-61200-10	Credit Card Convenience Fees		0.00	66.11	66.11	0.00	0.00
20-61600-10	Dues & Subscriptions		0.00	1,009.99	1,009.99	4,000.00	4,000.00
20-61700-10	Equipment Rentals		0.00	0.00	0.00	2,000.00	2,000.00
20-61800-10	Insurance - Prop/Liability		0.00	25,232.00	25,232.00	30,450.00	30,450.00
20-61820-10	Insurance - Med/Dental (ER)		0.00	28,392.38	28,392.38	49,575.53	49,575.53
20-61830-10	TMRS Retirement (ER)		0.00	13,533.92	13,533.92	15,576.00	15,576.00
20-63100-10	Building Maintenance		0.00	2,994.62	2,994.62	1,000.00	1,000.00
20-63400-10	Telephone & Internet		0.00	4,241.68	4,241.68	6,400.00	6,400.00
20-63510-10	Uniforms / Clothing Allowance		0.00	2,232.23	2,232.23	3,750.00	3,750.00
20-64000-10	Utilities - Gas & Electric		0.00	38,388.49	38,388.49	36,000.00	36,000.00
20-64100-10	Utilities - Water (Water)		0.00	319.49	319.49	500.00	500.00
20-65600-10	Hiring/Testing Expenses		0.00	183.00	183.00	300.00	300.00
20-65610-10	Salary		0.00	57,343.82	57,343.82	78,832.00	78,832.00
20-65630-10	Wages		0.00	129,664.87	129,664.87	192,590.00	192,590.00
20-65640-10	Overtime		0.00	12,524.02	12,524.02	9,100.00	9,100.00
20-65680-10	State Unemployment (ER)		0.00	- 87.16	- 87.16	873.00	873.00
20-65700-10	Medicare Expense (ER)		0.00	2,705.25	2,705.25	3,085.00	3,085.00
20-65710-10	Social Security Expense (ER)		0.00	11,567.13	11,567.13	13,189.00	13,189.00
20-66020-10	Technology		0.00	1,823.79	1,823.79	500.00	500.00
20-66030-10	Groundwater Production Fee		0.00	10,342.13	10,342.13	11,471.00	11,471.00



20-66050-10	Licenses & Permits		0.00	4,073.65	4,073.65	5,000.00	5,000.00
20-66070-10	Water/Sewer Shop Supplies		0.00	1,046.71	1,046.71	2,500.00	2,500.00
20-66090-10	Water Line Maintenance		0.00	1,519.86	1,519.86	4,000.00	4,000.00
20-66100-10	Water Testing		0.00	3,477.08	3,477.08	9,500.00	9,500.00
20-66110-10	Walnut Creek SUD Purchases		0.00	263,271.44	263,271.44	691,379.00	691,379.00
20-66400-10	Well/Tank/Meter Vault Maint		0.00	4,581.35	4,581.35	9,000.00	9,000.00
20-70100-10	Interest Income		0.00	- 135.24	- 135.24	- 100.00	- 100.00
20-70300-10	Other Revenue		0.00	- 4,321.47	- 4,321.47	0.00	0.00
20-40670-20	Sewer Revenue		0.00	- 390,251.36	- 390,251.36	- 488,194.00	- 488,194.00
20-60200-20	Sewer Chemicals		0.00	5,081.49	5,081.49	4,000.00	4,000.00
20-66090-20	Sewer Line Maintenance		0.00	2.36	2.36	2,000.00	2,000.00
20-66100-20	Sewer Testing		0.00	12,695.53	12,695.53	11,683.00	11,683.00
20-66400-20	WWTP/Lift Station Maintenance		0.00	14,313.97	14,313.97	10,000.00	10,000.00
20-40670-30	Garbage Revenue		0.00	- 83,425.10	- 83,425.10	- 103,173.00	- 103,173.00
20-66040-30	Garbage Service		0.00	83,460.34	83,460.34	103,173.00	103,173.00
20-10240-70	2019 Bond Checking		4,071.56	- 3,718.40	353.16	0.00	0.00
20-10260-70	Investment - TexStar		0.04	0.00	0.04	0.00	0.00
20-10270-70	Investment - Logic		912,828.06	- 581,263.76	331,564.30	0.00	0.00
20-14001-70	CIP 2019 Bond Construction		0.00	586,577.54	586,577.54	0.00	0.00
20-25000-70	RVR Wholesale Capacity		0.00	- 1,000,000.00	- 1,000,000.00	0.00	0.00
99-11000-00	Payroll Cash Account		0.00	20.00	20.00	0.00	0.00
99-20010-00	General Fund Equity		0.00	- 20.00	- 20.00	0.00	0.00



# City of Rhome

## 2022-2023 Fiscal Year Proposed Budget Summary for 7/28/2022

**2022-2023 Proposed Tax Rate \$.437815 per \$100 taxable property value and is less than FY 2021-2022 of \$.450857 by \$0.013041**

2022 No-New-Revenue Tax Rate \$.366258 per \$100 taxable property value after exemptions

2022 Voter-Approval Tax Rate \$.437816 per \$100 taxable property value after exemptions - 2022 De Minimus Rate \$.668390/100

2022 - 2023 Proposed Tax Rate is \$.000001 under the Voter Approval Rate (\$.437815) and the proposed VAR M&O Rate is \$.225182

2022 Taxable Property Value \$203,360,725 after 2022 Property Subject to Tax Rate Freeze \$21,248,901

The Debt Rate is \$0.212633 per \$100 taxable property value

The Total amount of Municipal Debt Obligations is \$446,851

General Fund	Income		Expenses		Net
<b>Administration</b>	\$ 2,199,922.64	46%	\$ 1,219,937.69	26%	\$ 979,984.95
<b>Building &amp; Development</b>	\$ 127,200.00	3%	\$ 198,750.00	4%	\$ (71,550.00)
Court	\$ 453,000.00	9%	\$ 290,952.37	6%	\$ 162,047.63
Police	\$ 16,400.00	0%	\$ 932,747.04	20%	\$ (916,347.04)
<b>Net Court/Police</b>	\$ 469,400.00	10%	\$ 1,223,699.41	27%	\$ (754,299.41)
<b>Fire</b>	\$ 349,314.61	7%	\$ 454,075.79	10%	\$ (104,761.18)
<b>Parks</b>	\$ 48,000.00	1%	\$ 48,000.00	1%	\$ -
<b>Subtotal General Fund</b>	\$ 3,193,837.25	66%	\$ 3,144,462.89	68%	\$ 49,374.36
<b>Water &amp; Sewer</b>	\$ 1,610,603.00	34%	\$ 1,469,460.94	32%	\$ 141,142.06
<b>Total Budget</b>	\$ 4,804,440.25	100%	\$ 4,613,923.83	100%	\$ 190,516.42

**The budget will raise more revenue from property taxes than last year's budget by an amount of \$86,054.64, which is a 10.7% increase from last year's budget. The property tax revenue to be raised from new property added to the tax roll this year is \$3563.81**



## City of Rhome

### 2020-2021 Fiscal Year Budget

#### 2020-2021 Tax Rate \$.477694 per \$100 taxable property value after exemptions

2020 No-New-Revenue Tax Rate \$.498422 per \$100 taxable property value after exemptions

2020 Voter-Approval Tax Rate \$.494146 per \$100 taxable property value after exemptions

2020 De Minimis Rate \$1.002146 per \$100 taxable property value after exemptions

2020 Certified Taxable Property Value \$151,636,191 after 2020 Property Subject to Tax Rate Freeze \$16,648,800

The Debt Rate is \$.226830 per \$1000 taxable property value

The Total amount of Municipal Debt Obligations is \$343,957

	Income			Expenses		Net
<b>General Fund</b>						
<b>Administration</b>	\$	1,692,342.36	46%	\$	977,426.65	27% \$ 714,915.71
<b>Building &amp; Development</b>	\$	140,800.00	4%	\$	243,953.68	7% \$ (103,153.68)
Court	\$	420,650.00	11%	\$	262,786.24	7% \$ 157,863.76
Police	\$	11,500.00	0%	\$	765,881.56	21% \$ (754,381.56)
<b>Net Court/Police</b>	\$	432,150.00	12%	\$	1,028,667.80	28% \$ (596,517.80)
<b>Fire</b>	\$	255,995.29	7%	\$	270,567.75	7% \$ (14,572.46)
<b>Parks</b>	\$	18,000.00	0%	\$	18,000.00	0% \$ -
<b>Subtotal General Fund</b>	\$	2,539,287.65	69%	\$	2,538,615.88	69% \$ 671.77
<b>Water &amp; Sewer</b>	\$	1,120,100.00	31%	\$	1,119,903.92	31% \$ 196.08
<b>Total Budget</b>	\$	3,659,387.65	100%	\$	3,658,519.80	100% \$ 867.85



The budget will raise less revenue from property taxes than last year's budget by an amount of \$17,379.38 which is a 2.34 percent decrease from last year's budget. The property tax revenue to be raised from new property added to the tax roll this year is \$12,029.



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
ADMIN	10-40015-10	Rhome Beautification Fund	-	-		NEW GL Account for Restricted Funds
ADMIN	10-40100-10	Franchise Fees	77,000.00	77,000.00	77,000.00	Oncor/Atmos (Budget same as prior years)
ADMIN	10-40240-10	Property Tax M & O	380,399.01	485,956.00	457,931.69	2022-2023 VAR Tax Rate \$.437816/\$100; Proposed Tax Rate is \$.437815/100; and Actual VAR M&O Rate \$.225182/\$100
ADMIN	10-40250-10	Property Tax I&S Debt Service	344,833.35	318,333.00	432,411.95	2022-2023 Proposed Tax Rate \$.437815/\$100; Actual Debt Rate \$.212633/\$100
ADMIN	10-40600-10	Sales Tax	807,621.18	895,000.00	1,150,000.00	Continued upward trend (Increased to match higher actuals from 2021-2022)
ADMIN	10-40650-10	Sales Tax I&S Debt Service	80,378.82	80,379.00	80,379.00	Portion of Sales Tax Revenue Attributed to Non-Bond Debt Service in 2021-2022
ADMIN	10-40700-10	Miscellaneous Revenue	2,000.00	2,000.00	2,000.00	Previously Recorded in Other Income - NEW GL ACCOUNT: ORR, Notary, Fax, Copies, Facility Rentals (Budget same as previous year; actuals on target with budget)
ADMIN	10-70100-10	Interest Revenue	110.00	110.00	200.00	Interest Earned on Various GF Bank Accounts (Budget same as previous years)
ADMIN	10-70300-10	Other Revenue	-	-		Generally non-recurring revenue unrelated to normal operations (for example, insurance claims)
		<b>TOTAL REVENUE</b>	<b>1,692,342.36</b>	<b>1,858,778.00</b>	<b>2,199,922.64</b>	
ADMIN	10-60000-10	Accounting Fees	12,000.00	14,000.00	18,500.00	Annual Audit - Increase due to cost of inflation
ADMIN	10-60020-10	Lease Payment	2,310.00	14,553.00	32,016.00	1-year lease at 10% increase from previous year. If we pay for two years we lock-in 'no increase' for second year.
ADMIN	10-60080-10	Bank Fees	5,000.00	5,000.00	3,000.00	Monthly Fees for Various Bank Accounts-in process of reducing number of bank accounts to reduce fees.
ADMIN	10-60100-10	Bond Interest Expense	30,152.00	23,726.00	17,138.00	2016 Refunding Bond (Paid off 9/15/2025); 2017 Tax Note Series (Paid off 9/15/2024)
ADMIN	10-60150-10	Bond Principal	289,000.00	295,000.00	302,000.00	2016 Refunding Bond (Paid off 9/15/2025); 2017 Tax Note Series (Paid off 9/15/2024)
ADMIN	10-60300-10	Contract Labor	10,000.00	10,000.00	122,000.00	IT Services, CPA services, settlement
ADMIN	10-60350-10	Education/Training	4,000.00	4,000.00	4,000.00	Same as previous year: Continuing Education/Required Certifications - Varies from Year to Year by Certification and Classes Offered (includes ICMA, TCMA, TMCA)
ADMIN	10-60510-10	Note Payments	3,348.93	3,348.93	3,348.93	None in 2019-2020; Laserfiche/Computers payment due in 2020-2021 (Pynt 3 of 5)
ADMIN	10-60600-10	Office Supplies	2,700.00	2,700.00	2,900.00	Slight increase due to rising cost/inflation
ADMIN	10-60800-10	Postage	1,000.00	1,000.00	1,000.00	Budget same as previous year
ADMIN	10-60950-10	Property Tax Service	22,807.00	24,807.00	29,000.00	Appraisal District and Wise County - increased
ADMIN	10-61200-10	Credit Card Fees	500.00	500.00	500.00	Budget same as last year - not convenience fees



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
ADMIN	10-61600-10	Dues & Subscriptions	30,000.00	35,000.00	39,000.00	OpenGov/STW Annual; Email; Web Hosting; Back Up Protection; ADT Monitoring; Office 365; TML Annual; includes new Agenda Management System (\$3,000) (Increased for minor cost increases on various services in 2021-2022)
ADMIN	10-61800-10	Insurance - Prop/Liability	6,358.19	6,675.00	7,209.00	Quarterly insurance premiums through TML (includes \$414 for Parks); <b>substantial increase of approximately 15% for all Depts</b>
ADMIN	10-61820-10	Insurance - Med/Dental (ER)	33,859.68	37,922.00	42,472.64	2022-2023 Rates Not Available Yet; <b>assume 12% increase</b>
ADMIN	10-61830-10	TMRS - Retirement (ER)	14,435.12	15,012.00	17,447.00	Full TMRS Rate for Fully Funded Pension
ADMIN	10-62750-10	Legal Notices	4,000.00	4,000.00	5,300.00	Increased development: Account fluctuates from year to year depending on required notices
ADMIN	10-62800-10	Legal Fees	90,000.00	96,000.00	99,000.00	Bimonthly Meetings; Employment; Compliance; Regulatory; Etc. Varies on Needs during year - increased based on growth and development demands, continued Ordinance clean-up and actual expenditures
ADMIN	10-63100-10	Building Maintenance	2,000.00	2,000.00	1,600.00	Pest Control; HVAC Maintenance; Other Misc. Repairs & Maintenance on City Building not budgeted elsewhere
ADMIN	10-63400-10	Telephone & Internet	7,500.00	8,000.00	8,000.00	Bundling Services for Phone/Internet-same as last year
ADMIN	10-63430-10	City Elections	6,500.00	4,000.00	4,000.00	Budget same as previous year
ADMIN	10-64000-10	Utilities-Gas/Elec/St Lights	24,000.00	24,000.00	30,000.00	Increased due to rising energy costs. <b>This line item includes cost of street lights</b>
	10-64100-10	Utilities - Water	500.00	500.00	600.00	New GL to track/charge departments for water; increase based on prior year actual
ADMIN	10-65600-10	Hiring/Testing Expenses	250.00	250.00	250.00	Payroll Related Expenses to be Combined with All Payroll Costs (Hiring; Pre-employment; Drug Testing)
ADMIN	10-65610-10	Salary	151,840.00	164,940.00	187,700.00	Increases based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living Adjustment
ADMIN	10-65630-10	Wages	47,353.80	43,060.00	56,784.00	Based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living Adjustment (UB - 80/20 split btw GF & W/WW)
ADMIN	10-65640-10	Overtime	468.00	500.00	500.00	Amount paid for hours worked over normal schedule - evening meetings
ADMIN	10-65680-10	State Unemployment (ER)	724.50	770.00	315.00	Required Payroll Expense-Employer Portion (.01% decrease)



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
ADMIN	10-65700-10	Medicare Expense (ER)	2,895.10	3,039.00	3,554.40	Required Payroll Expense-Employer Portion
ADMIN	10-65710-10	Social Security Expense (ER)	12,379.04	12,998.00	15,198.11	Required Payroll Expense-Employer Portion
ADMIN	10-65740-10	Transfer to Fire Department	132,945.29	134,681.61	136,504.61	Annual \$48,000, Apparatus Replacement \$50,000, Fire Chief Salary - partial
ADMIN	10-65760-10	Transfer to Parks	18,000.00	21,050.32	18,000.00	Funds for Projects Maintenance of Parks \$4,000; Utilities (Eternal Flame) \$1,000; Family Park \$10,000 (to repair/replace playground; Veterans Park (\$1,000),includes increase in utilities for water charges \$6050.32
ADMIN	10-66020-10	Technology	6,500.00	8,500.00	8,500.00	Website annual; computer replacement
ADMIN	10-66030-10	Banquet/Service Awards	2,000.00	2,000.00	2,000.00	Annual Employee/Volunteer Appreciation and Recognition
ADMIN	10-66100-10	Library Support	600.00	600.00	600.00	Annual Support for Library to maintain accreditation for grant funding
ADMIN	10-66200-10	Loan Purchases	-	-		No loan purchases in 2020-2021
ADMIN	10-80100-10	Other Expenses	-	-		Generally non-recurring expenses unrelated to normal operations (for example, insurance claims)
		<b>TOTAL EXPENSES</b>	<b>977,926.65</b>	<b>1,024,132.86</b>	<b>1,219,937.69</b>	<b>\$65,249 (6%)</b>
		<b>NET REVENUE/EXPENSES</b>	<b>600,980.82</b>	<b>834,645.14</b>	<b>979,984.95</b>	
Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget		Explanations
BLDG/DEV	10-40025-20	Code Revenue	-	-		Reimbursement for mowing abatements varies year to year
BLDG/DEV	10-40200-20	Health Permit Revenue	11,000.00	13,000.00	8,000.00	Decrease based on actuals
BLDG/DEV	10-40360-20	Hotel Occupancy Tax Revenue	18,000.00	18,000.00	18,000.00	Budget same as previous year
BLDG/DEV	10-40380-20	Animal Registration Revenue	1,800.00	1,800.00	1,200.00	Budget for 200 registered animals at \$6 per animal; Increase Registration Roundup to Gain Compliance on Registration
BLDG/DEV	10-40400-20	Permits / Plats/ Site Plan	110,000.00	125,000.00	100,000.00	Decrease based on actuals
BLDG/DEV	10-70300-20	Other Revenue		-		Budget at zero for 2022-2023
		<b>TOTAL REVENUE</b>	<b>140,800.00</b>	<b>157,800.00</b>	<b>127,200.00</b>	
BLDG/DEV	10-60060-20	Animal Control	1,800.00	1,800.00	1,200.00	Budget decrease: Compliance which will be off set by Animal Registration Revenue
BLDG/DEV	10-60300-20	Contract Labor		10,300.00		
BLDG/DEV	10-60400-20	Engineering Services	65,000.00	50,000.00	50,000.00	Engineering costs for platting, site plan review, etc. (prior years included Transportation Plan study costs; costs assigned to PSA/DA
BLDG/DEV	10-60500-20	Inspection Fees	30,000.00	30,000.00	22,000.00	Decrease based on actuals
BLDG/DEV	10-60600-20	Office Supplies	500.00	500.00	300.00	Decrease based on actuals
BLDG/DEV	10-60800-20	Postage	200.00	350.00	250.00	Decrease based on actuals
BLDG/DEV	10-60970-20	Street Repairs	120,000.00	120,000.00	120,000.00	Budget same as previous year



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
BLDG/DEV	10-61600-20	Dues & Subscriptions	8,225.00	5,000.00	5,000.00	Code Compliance/Zoning/Permit/Inspection Software
BLDG/DEV	10-61820-20	Insurance - Med/Dental (ER)	2,604.59	2,917.01		Code Compliance Employee
BLDG/DEV	10-61830-20	TMRS - Retirement (ER)	1,018.06	1,058.00		Code Compliance Employee
BLDG/DEV	10-65630-20	Wages	13,520.00	14,060.80		Code Compliance Employee (10 hrs weekly)
BLDG/DEV	10-65680-20	State Unemployment (ER)	51.75	53.19		Code Compliance Employee (.1% decrease)
BLDG/DEV	10-65700-20	Medicare Expense (ER)	196.04	205.84		Code Compliance Employee
BLDG/DEV	10-65710-20	Social Security Expense (ER)	838.24	880.15		Code Compliance Employee
		<b>TOTAL EXPENSES</b>	<b>243,953.68</b>	<b>237,124.99</b>	<b>198,750.00</b>	
		<b>NET REVENUE/EXPENSES</b>	<b>(67,335.00)</b>	<b>(79,324.99)</b>		
Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget		Explanations
COURT	10-40160-40	Court Fines Revenue	409,000.00	415,000.00	430,000.00	Budget Restricted Funds Separately in 2021-2022
COURT	10-40170-40	Credit Card Convenience Fee	7,000.00			Court Credit Card Processing Fees Passed on to Customer (Offsets Credit Card Fees)
COURT	10-40180-40	Building & Security Revenue	1,350.00	1,350.00	16,000.00	Budget Restricted Funds 2021-2022
COURT	10-40185-40	Court Technology Revenue	3,300.00	5,500.00	7,000.00	Budget Restricted Funds 2021-2022; NetData
		<b>TOTAL REVENUE</b>	<b>420,650.00</b>	<b>421,850.00</b>	<b>453,000.00</b>	
COURT	10-60005-40	Building & Security Expenses	1,350.00	1,350.00	16,000.00	Budget Restricted Funds 2021-2022; Offsets Restricted Revenue (Walk-through and handheld Metal detectors, security gate, security window film, Bailiff & Courtroom Security/\$5610)
COURT	10-60008-40	MC Fines Collections Expense	39,000.00	32,000.00	40,000.00	30% Collections Fee for Court Fees in Collections
COURT	10-60300-40	Contract Labor	10,800.00	11,700.00	12,200.00	Monthly Contracted Fee with Presiding Judge
COURT	10-60480-40	Court Technology Expenses	3,300.00	5,500.00	8,200.00	Budget Restricted Funds 2021-2022; Offsets Restricted Revenue (Includes Court Software & Hardware)
COURT	10-60600-40	Office Supplies	2,000.00	1,400.00	1,200.00	Budget decrease from prior year
COURT	10-60800-40	Postage	2,000.00	1,600.00	1,400.00	Budget decrease from prior year
COURT	10-60870-40	State Fees	122,700.00	124,500.00	127,500.00	Based on Court Fines (30%) - remitted to State
COURT	10-60890-40	Education/Training	1,200.00	1,200.00	2,000.00	Continuing Education/Required Certifications - Varies from Year to Year by Certification and Classes Offered
ADMIN	10-61200-40	Credit Card Fees	7,000.00			Court Credit Card Processing Fees Passed on to Customer (Offsets Credit Card Fees)
COURT	10-61600-40	Dues & Subscriptions	300.00	300.00	300.00	Recurring Judicial Organization Dues
COURT	10-61820-40	Insurance - Med/Dental (ER)	10,418.36	11,668.56	13,068.00	2021-2022 rates not available yet- assumed 12%
COURT	10-61830-40	TMRS Retirement (ER)	3,432.95	3,570.00	3,731.98	Full TMRS Rate for Fully Funded Pension
COURT	10-62800-40	Legal Fees	10,000.00	12,000.00	10,000.00	Prosecutor Fee - Monthly Court plus Trials that vary from year to year (one case currently on appeal)



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
COURT	10-65600-40	Hiring/Testing Expenses	-	-		Payroll Related Expenses to be Combined with All Payroll Costs (Hiring; Pre-employment; Drug Testing)
COURT	10-65630-40	Wages	44,561.92	47,384.00	51,251.20	Increases based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living Adjustment
COURT	10-65640-40	Overtime	1,028.35	500.00	-	Amount paid for hours worked over normal schedule - evening court
COURT	10-65680-40	State Unemployment (ER)	207.00	252.00	90.00	Required Payroll Expense-Employer Portion (.1% rate decrease)
COURT	10-65700-40	Medicare Expense (ER)	661.06	694.11	760.29	Required Payroll Expense-Employer Portion
COURT	10-65710-40	Social Security Expense (ER)	2,826.80	2,968.00	3,250.90	Required Payroll Expense-Employer Portion
		<b>TOTAL EXPENSES</b>	<b>262,786.44</b>	<b>258,586.67</b>	<b>290,952.37</b>	<b>\$30,066.82 (10%)</b>
		<b>NET REVENUE/EXPENSES</b>	<b>157,863.56</b>	<b>163,263.33</b>		
Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget		Explanations
POLICE	10-40010-50	Impound Lot Revenue	-	-		Closed the Impound Lot in 2020 (Budget Zero)
POLICE	10-40040-50	Sponsor Revenue - NNO	3,000.00	-	3,000.00	Sponsor Revenue for National Night Out October 2022 received in August/September 2021
POLICE	10-40270-50	Donations	-	500.00		Budget at Zero for 2020-2021
POLICE	10-40275-50	Auction Proceeds (2020-2021)	6,500.00	-	12,000.00	Sale of Police Vehicle No Longer Used
POLICE	10-40700-50	Miscellaneous Revenue	500.00	-	500.00	Previously Recorded in Other Income: ORR, Crash Reports, Notary
POLICE	10-70000-50	Grant Revenue	1,500.00	1,500.00	900.00	Varies year to year - Offset with Grant Purchases
POLICE	10-70300-50	Other Revenue	-	-		Generally non-recurring revenue unrelated to normal operations (for example, insurance claims)
		<b>TOTAL REVENUE</b>	<b>11,500.00</b>	<b>2,000.00</b>	<b>16,400.00</b>	
POLICE	10-60010-50	National Night Out Expenses	3,000.00	-	3,000.00	Offset with Sponsor Revenue Received
POLICE	10-60300-50	Contract Labor	1,500.00	1,500.00	900.00	Vehicle wash and cleaning
POLICE	10-60360-50	Grant Purchases	1,500.00	1,500.00	900.00	Varies year to year - Offset with Grant Revenues
POLICE	10-60410-50	Equipment Repairs	1,500.00	1,500.00	1,500.00	Budget same as previous years
POLICE	10-60430-50	Equipment	4,000.00	87,500.00	4,000.00	Outdated equipment repair/replacement
POLICE	10-60510-50	Note Payments	27,327.62	27,327.62	27,327.62	Note Payment for Replacement of Body Cameras, Cameras in Patrol Vehicles, Desktop Computers for Offices, Laptops for Patrol Vehicles (Pymt 3 of 5)
POLICE	10-60600-50	Office Supplies	2,100.00	2,400.00	2,400.00	Budget increase based on actuals
POLICE	10-60800-50	Postage	300.00	300.00	400.00	Budgeted based on actuals
POLICE	10-60890-50	Education/Training	3,500.00	4,000.00	4,000.00	Same as previous year: Continuing Education/Required Certifications - Varies from Year to Year by Certification and Classes Offered



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
POLICE	10-61100-50	New Vehicle Leasing/Purchase	40,000.00		50,000.00	Will start vehicle Leasing Program (GovCap: Pymt 1 of 5) - 2022-2023
POLICE	10-61110-50	Vehicle Repairs & Maintenance	7,000.00	7,000.00	8,000.00	Slight increase due to inflation and rising cost of repairs
POLICE	10-61150-50	Gas & Oil	22,000.00	22,000.00	28,000.00	Increase due to inflation and rising gas prices
POLICE	10-61600-50	Dues & Subscriptions	7,500.00	10,992.00	13,000.00	Konica Minolta; Thinkstream Acquisition Kologik; PD Evidence online; Cleddds; Axon Taser; TPCA
POLICE	10-61750-50	Impound Lot Expense	-	-		Closing the Impound Lot in 2020 (Budget Zero)
POLICE	10-61800-50	Insurance - Prop/Liability	21,474.47	22,240.14	27,913.00	Quarterly insurance premiums through TML: Reflects increase in 2021-2022 estimate
POLICE	10-61820-50	Insurance - Med/Dental (ER)	72,928.55	81,679.98	84,058.00	2022-2023 Rates Not Available Yet-rep projects 12% increase
POLICE	10-61830-50	TMRS Retirement (ER)	34,589.62	35,972.00	36,647.86	Full TMRS Rate for Fully Funded Pension
POLICE	10-63100-50	Building Maintenance	1,000.00	1,000.00	12,000.00	Electric gate - security (\$10K plus \$2K general maintenance)
POLICE	10-63400-50	Telephone & Internet	7,300.00	8,500.00	8,500.00	Budget same as previous year
POLICE	10-63450-50	Technology	1,500.00	1,500.00	1,500.00	Technology needs throughout year
POLICE	10-63510-50	Uniforms / Clothing Allowance	5,500.00	6,500.00	7,000.00	Slight to reflect cost of onboarding new officers
POLICE	10-64000-50	Utilities - Gas & Electric	3,000.00	3,500.00	3,500.00	Budget same as previous year
POLICE	10-64100-50	Utilities - Water		500.00	650.00	Slight increase due based on acutuals
POLICE	10-65600-50	Hiring/Testing Expenses	1,000.00	400.00	600.00	Slight increase to reflect cost of onboarding new officers
POLICE	10-65610-50	Salary	63,440.00	78,000.00	85,995.00	Increases based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living Adjustment
POLICE	10-65630-50	Wages	361,322.23	383,775.00	440,943.00	Increases based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living Adjustment
POLICE	10-65640-50	Overtime	34,295.23	34,295.23	39,902.85	Amount paid for hours worked over normal schedule - required reporting/arrests/coverage etc.
POLICE	10-65680-50	State Unemployment (ER)	1,863.00	1,915.00	720.00	Required Payroll Expense-Employer Portion (.1% decrease)
POLICE	10-65700-50	Medicare Expense (ER)	6,660.68	6,993.71	7,466.03	Required Payroll Expense-Employer Portion
POLICE	10-65710-50	Social Security Expense (ER)	28,480.16	29,904.17	31,923.68	Required Payroll Expense-Employer Portion
POLICE	10-80100-50	Other Expense	-	-		Costs related to insurance claim for wrecked vehicle replacement - offset with TML insurance proceeds in Other Revenue - PD in 2018-2019
		<b>TOTAL EXPENSES</b>	<b>765,581.56</b>	<b>862,694.85</b>	<b>932,747.04</b>	<b>\$20,491.33(2.3%)</b>
		<b>NET REVENUE/EXPENSES</b>	<b>(754,081.56)</b>	<b>(860,694.85)</b>	<b>(916,347.04)</b>	
<b>Department</b>	<b>GL Account</b>	<b>Description</b>	<b>2020-2021 Budget</b>	<b>2021-2022 Budget</b>		<b>Explanations</b>



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
FIRE	10-40270-60	Donations	5,000.00	5,000.00	5,000.00	Budget same as previous years
FIRE	10-40280-60	Fundraisers	18,000.00	18,000.00	18,000.00	Budget same as previous years (Bi-annual Boot Drive)
FIRE	10-40300-60	Transfer from General Fund	132,945.29	134,681.61	136,504.61	Transfer from General Fund (\$48k general expenses/\$50k apparatus replacement/\$36,681.61 PT Fire Chief)
FIRE	10-40330-60	Tarrant County Contract	8,000.00	8,000.00	8,000.00	Tarrant County Contract (annual)
FIRE	10-40550-60	RD - CPR Initiative Sponsored		2,000.00	2,000.00	New GL
FIRE	10-40555-60	RD - CPR Initiative Class Fees		2,160.00	2,160.00	New GL
FIRE	10-40610-60	Wise County Contract	50,400.00	52,000.00	52,000.00	Wise County Contract (monthly)
FIRE	10-40630-60	Cost Recovery	16,650.00	16,650.00	16,650.00	Billable Motor Vehicle Accidents - Varies by Year and Number of Billable Incidents - Does NOT include Medical or Fire ONLY Motor Vehicle Accidents for Insurance Claims
FIRE	14-70600-XX	Development Funding			80,000.00	Contract Funds to cover one paid FT firefighter including benefits/required PPE
FIRE	10-70000-60	Grant Revenue	25,000.00	28,500.00	29,000.00	Anticipated \$25,000 various/\$3,500 disability insurance
		<b>TOTAL REVENUE</b>	<b>255,995.29</b>	<b>266,991.61</b>	<b>349,314.61</b>	
FIRE	10-60300-60	Contract Labor	25,500.00	60,700.00	41,500.00	Shift Work Program; Fire Prevention and Inspections, Medical Director \$1,500
FIRE	10-60360-60	Grant Purchases	25,000.00	25,000.00	25,000.00	Anticipated \$15,000 Bunker Gear Or Fire Equipment Grant with Texas Forestry Service/ \$10,000 for Training Grants Awarded from Texas Forestry Service as well as VFIS Wellness Grant and Insurance Grant - Offset with Grant Revenue
FIRE	10-60430-60	Equipment	18,300.00	20,000.00	45,000.00	Based on Equipment Replacement Program in place to address aging equipment needs and maintenance agreements for equipment; includes \$15K for radios and \$10K for personal lockers for FF's
FIRE	10-60470-60	Fire Safety Program	1,000.00	1,000.00	1,000.00	Costs for community outreach programs - \$900 for Fire Prevention materials for students at schools; \$100 for fire prevention materials for other outreaches throughout 2022-2023
FIRE	10-60492-60	CPR Initiative - Fee Classes		2,160.00	2,160.00	New GL
FIRE	10-60495-60	CPR Initiative - Sponsored		2,000.00	2,000.00	New GL
FIRE	10-60510-60	Note Payments	75,383.62	49,702.27	49,702.27	Note payment - Rescue mini-pumper (\$15,720.51), SCBA Packs/Bottles & Cascade System 2021 Annual Payment \$33,981.76 (Pynt 3 of 5)
FIRE	10-60560-60	Support Crew / Supplies	500.00	1,250.00	1,500.00	Based on Projected needs for Splash Days and Rehab/ Supplies for Crews



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
FIRE	10-60580-60	Apparatus Repairs & Maint	20,000.00	20,000.00	20,000.00	Based on Vehicle Maintenance Program in place to address regular maintenance needs
FIRE	10-60600-60	Office Supplies	500.00	1,250.00	1,500.00	Budgeted cost of increases
FIRE	10-60610-60	Incentives	1,000.00	1,000.00	1,000.00	To be utilized for programs to recruit and retain qualified volunteers
FIRE	10-60890-60	Education/Training	1,500.00	2,500.00	4,253.00	Continuing Education/Required Certifications/Training (not covered by Grants) Varies from Year to Year for Certifications & Classes plus RVR FT FF
FIRE	10-60XXX-60	Benefits	-	-		1 FT Paid FF 2022-2023/ 3 FT FF 2023-2024
FIRE	10-61150-60	Gas & Oil	3,500.00	5,850.00	8,400.00	Varies by number/location of incidents
FIRE	10-61600-60	Subscriptions	6,540.00	8,500.00	10,000.00	Haas Alert System; PSTrax; Emergency Reporting; Active 911; Email; TV Service (Weather Watch)
FIRE	10-61610-60	Dues	1,240.00	2,000.00	2,000.00	SFFMA Department/Individual; TCFP Individual
FIRE	10-61700-60	Apparatus Replacement	25,000.00	40,000.00		Based on Apparatus Replacement Program Presented to City Council
FIRE	10-61800-60	Insurance - Prop/Liability	11,358.84	12,329.00	15,311.00	Increased insurance premiums through TML
FIRE	10-61830-60	TMRS Retirement (ER)	2,271.05	2,361.00	8,960.08	Full TMRS Rate for Fully Funded Pension
FIRE	10-61900-60	Insurance - Disability	3,550.00	3,737.50	3,500.00	Insurance Policy to Cover LODD, AD&D - partially covered with Grant Proceeds from VFIS
FIRE	10-63100-60	Building Maintenance	1,000.00	1,500.00	1,000.00	Budget for general maintenance on building
FIRE	10-63400-60	Telephone & Internet	3,000.00	3,000.00	4,308.00	Budget based on prior year actuals
FIRE	10-63450-60	Technology	500.00	3,500.00	1,000.00	Annual tech needs
FIRE	10-63510-60	Uniforms / Clothing Allowance	1,250.00	3,000.00	31,500.00	Based on number of volunteers requiring mandatory uniform/identification + 1 full set for RVR FF, also includes funding for bunker gear
FIRE	10-64000-60	Utilities - Gas & Electric	3,000.00	3,000.00	3,500.00	Budget based on prior year actuals
	10-64100-60	Utilities - Water		500.00	500.00	
FIRE	10-65610-60	Salary	30,160.00	32,366.36	73,000.00	Increases based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living Adjustment
FIRE	10-65630-60	Wages	-	-	50,003.00	1 FT Paid FF 2022-2023
FIRE	10-65640-60	Overtime			4,668.00	
FIRE	10-61820-60	Insurance- Med/Dental			24,000.00	Allotment for EE Med/Dental for 2 FT Employees - estimated as we don't get finals until after budget passes
FIRE	10-65680-60	State Unemployment (ER)	207.00	252.00	180.00	Required Payroll Expense-Employer Portion (.1% increase)
FIRE	10-65700-60	Medicare Expense (ER)	437.32	459.18	1,825.38	Required Payroll Expense-Employer Portion
FIRE	10-65710-60	Social Security Expense (ER)	1,869.92	1,963.42	7,805.06	Required Payroll Expense-Employer Portion
FIRE	10-66000-60	EMS Supplies	6,000.00	7,000.00	7,000.00	EMS supplies varies by number/type of EMS call



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
FIRE	10-66030-60	Banquet/Service Awards	1,000.00	1,000.00	1,000.00	Annual Employee/Volunteer Appreciation and Recognition
FIRE	10-66200-60	Loan Purchases	-	-		
FIRE	10-80100-60	Other Expenses	-	-		
		<b>TOTAL EXPENSES</b>	<b>270,567.75</b>	<b>318,880.73</b>	<b>454,075.79</b>	<b>\$77630 (20%)</b>
		<b>NET REVENUE/EXPENSES</b>	<b>(14,572.46)</b>	<b>(51,889.12)</b>	<b>(104,761.18)</b>	
Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget		Explanations
PARKS	10-40280-80	Fundraisers	-	-		No Fundraisers in 2019-2020 at Direction of City Council to focus on Capital Improvements for Parks
PARKS	10-40300-80	Transfer from General Fund	18,000.00	21,050.32	48,000.00	Maintenance of Parks \$17,400 (includes new mower); Utilities (Water, Eternal Flame) \$6,050; Family Park \$4,000; Veterans Park \$1,000; Relocation & repair
		<b>TOTAL REVENUE</b>	<b>18,000.00</b>	<b>21,050.32</b>	<b>48,000.00</b>	
PARKS	10-60300-80	Contract Labor	10,000.00	2,000.00	2,000.00	General maintenance/outside contractors
PARKS	10-60640-80	Family Park	4,000.00	10,000.00	37,700.00	Allotted for Park Improvements- Engineered fiber-\$2,200. \$1300 for basic maintenance and repairs. \$6000 to repair and replace lights at family park with LED (Not Working); includes small relocation/repair option to be funded by Park Savings (not new spending).
PARKS	10-60650-80	Veterans Park	1,000.00	1,000.00	1,000.00	annual maintenance
PARKS	10-60680-80	Maintenance of Parks by PW	2,000.00	2,000.00	2,000.00	Allocated for Irrigation Repairs, Fertilization, Minor Repairs at Park and Pavilion, new mower
PARKS	10-64000-80	Utilities - Gas & Electric	1,000.00	6,050.32	1,000.00	Gas (eternal flame), electric
PARKS	10-64100-80	Utilities - Water			4,300.00	Water
		<b>TOTAL EXPENSES</b>	<b>18,000.00</b>	<b>21,050.32</b>	<b>48,000.00</b>	
		<b>NET REVENUE/EXPENSES</b>	<b>-</b>	<b>-</b>	<b>-</b>	
Department	GL Account	Description	2019-2020 Budget	2021-2022 Budget		
W/S	20-40170-10	Credit Card Convenience Fee	-			Credit card processing fee passed on to the residents using credit card as a form of payment
W/S	20-40650-10	Meter Deposits (income)	20,000.00	-		Reclassified as Restricted Liability in 2020-2021
W/S	20-40660-10	Tap Fees	30,000.00	30,000.00	30,000.00	Development coming online 2022/2023
W/S	20-40670-10	Water Revenue	975,000.00	950,000.00	950,000.00	Development coming online 2022/2023; (FY 2020-2021 revenue-\$618K + \$332K projected increase in sales from RVR = \$950K)
W/S	20-40680-10	Water Tower Lease	12,000.00	12,000.00	12,000.00	Remain constant with prior yr. budget - no new lease agreements



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
W/S	20-40700-10	Miscellaneous Revenue	5,000.00	5,000.00	5,000.00	Budget same as previous year
W/S	20-70100-10	Interest Revenue	100.00	100.00	100.00	Remain constant with prior yr. - interest earned on bank account
W/S	20-40670-20	Sewer Revenue	-	488,194.00	506,293.00	Wastewater increases (effective Sept. 1, 2021) (includes \$18,098.28 WW Impact fees)
W/S	20-40670-30	Garbage Revenue	-	103,173.00	107,210.00	Pass through charges from Waste Connections
		<b>TOTAL REVENUE</b>	<b>1,042,100.00</b>	<b>1,588,467.00</b>	<b>1,610,603.00</b>	
W/S	20-60100-10	Bond Interest Expense	98,126.00	96,026.00	93,776.00	2019 Bond Interest due in FY
W/S	20-60150-10	Bond Principal	-	75,000.00	75,000.00	2019 Bond Principle due in FY
W/S	20-60200-10	Water Chemicals	10,000.00	3,300.00	7,600.00	Chemical for water treatment: Ammonia, (\$4100)Chlorine gas Increase due to pricing crease. Fuel charge increase of 12.6%, Chemical cost 35%+ -Shipping \$1000. LAS \$1500. Other \$1000
W/S	20-60210-10	Emergency Repairs	62,765.00	5,000.00	5,000.00	Unplanned repairs not budgeted elsewhere
W/S	20-60220-10	AMR Cell Fee Per Connection	6,410.00	6,500.00	6,600.00	\$.89 Per Connection Fee Per Month
W/S	20-60230-10	Water Meter/Transmitter	-	9,400.00	6,600.00	New meters and transmitter for new construction
W/S	20-60300-10	Contract Labor	14,000.00	-	200.00	IT Services
W/S	20-XXXXX-10	Utility Projects			30,000.00	CDBG Matching Funds - Well #6
W/S	20-60400-10	Engineering Services	65,000.00	40,000.00	52,000.00	Ongoing engineering for various issues throughout the city that require professional services (Update City's drought/water conservation plan (\$12K) to meet TWDB&TCEQ requirements)
W/S	20-60510-10	Note Payments	6,000.00	5,672.88	43,363.05	2018 Chevy Truck monthly payment (4472.74: Pd off 4/19/23) GovCap Equipment (\$40,053.87: Pymt 1 of 5)
W/S	20-60600-10	Office Supplies	2,000.00	2,000.00	7,400.00	Slight increase due to increase cost of goods+ safety supplies
W/S	20-60800-10	Postage	4,000.00	4,000.00	4,500.00	Slight increase based on prior year actuals
W/S	20-60890-10	Education/Training	3,000.00	2,500.00	2,500.00	Continuing Education/Required Certifications - Varies from Year to Year by Certification and Classes Offered
W/S	20-61110-10	Vehicle Repairs & Maintenance	5,000.00	6,000.00	6,000.00	Regular upkeep and maintenance on vehicles
W/S	20-61130-10	Equipment Repair & Maintenance	-	5,000.00	5,000.00	Mowers, Dump truck, Backhoe, Chain Saw, Weed Eater etc. (Backhoe & Dump truck need repairs)
W/S	20-61150-10	Gas & Oil	9,307.00	9,000.00	9,500.00	Increase due to rising costs
W/S	20-61200-10	Bank Services Fee	12,000.00			Credit card processing fee passed on to the residents using credit card as a form of payment
W/S	20-61600-10	Dues & Subscriptions	4,500.00	4,000.00	4,000.00	AWWA, TWUA, APWA, TRWA, SCADA - 911
W/S	20-61700-10	Equipment Rentals	2,500.00	2,000.00	2,000.00	Slight decrease from previous year budget
W/S	20-61800-10	Insurance - Prop/Liability	29,000.00	30,450.00	26,412.00	Increased cost for Insurance premiums through TML
W/S	20-61820-10	Insurance - Med/Dental (ER)	44,263.87	49,575.53	54,639.00	Rates Not Available Yet- assume 12% increase
W/S	20-61830-10	TMRS Retirement (ER)	14,977.87	15,576.00	22,019.07	Full TMRS Rate for Fully Funded Pension



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
W/S	20-63100-10	Building Maintenance	1,500.00	1,000.00	1,000.00	Budget for general maintenance on building
W/S	20-63400-10	Telephone & Internet	3,193.00	6,400.00	6,600.00	\$3,600 Centurylink/\$3,000 Cell phones)
W/S	20-63510-10	Uniforms / Clothing Allowance	3,000.00	3,750.00	3,975.00	Increased due to change to full service company for uniforms and providing work boots for staff who come in to contact with biohazard materials
W/S	20-64000-10	Utilities - Gas & Electric	34,000.00	36,000.00	53,043.00	Increase due to rising costs
W/S	20-64100-10	Utilities - Water		500.00	500.00	
W/S	20-65600-10	Hiring/Testing Expenses	-	300.00	300.00	Hiring; Pre-employment; Drug Testing
W/S	20-65610-10	Salary	65,000.00	78,832.00	89,985.26	Increases based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living & equity adjustment
W/S	20-65630-10	Wages	134,480.00	192,590.00	209,393.60	Increases based on and Market Analysis in Similar Sized Cities and Positions/Duties, Evaluations and Cost of Living & equity adjustment. UB 80%
W/S	20-65640-10	Overtime	3,129.00	9,100.00	12,986.00	Amount paid for hours worked over normal schedule - On Call/Emergency Repairs
W/S	20-65680-10	State Unemployment (ER)	828.00	873.00	382.50	Required Payroll Expense-Employer Portion (.1.% decrease)
W/S	20-65700-10	Medicare Expense (ER)	2,937.83	3,085.00	4,485.80	Required Payroll Expense-Employer Portion
W/S	20-65710-10	Social Security Expense (ER)	12,561.75	13,189.00	19,180.66	Required Payroll Expense-Employer Portion
W/S	20-66020-10	Technology	-	500.00	2,300.00	Hardware/software, SCADA updates/maint, Microsoft, Adobe, repairs
W/S	20-66030-10	Groundwater Production Fee	-	11,471.00	15,358.00	Fees paid to Groundwater District for ground water pumped cost based off gallons pump. Bi-annual payment. Increase is due to increase in well production. Increase in well production (40.2 mgd)and at the same time reduced the purchased water (from WC) from 59 mgd to 42 mgd) Includes projected increase from Well #6 coming online
W/S	20-66050-10	Licenses & Permits	6,000.00	5,000.00	5,000.00	Permits for TCEQ W/WW
W/S	20-66070-10	Water/Sewer Shop Supplies	3,000.00	2,500.00	3,000.00	Slight increase based on actuals
W/S	20-66090-10	Water Line Maintenance	50,000.00	4,000.00	4,500.00	Parts for repairs and maint. For water lines and services increase
W/S	20-66100-10	Water Testing	28,000.00	9,500.00	9,500.00	Separate Water Testing in 2020-2021
W/S	20-66110-10	Walnut Creek SUD Purchases	270,000.00	691,379.00	405,000.00	Purchased water depends on demand of residents; budget increase for 2021-2022 (RVR didn't come online LY: Estimated to come online btw Nov '22 & Jan '23)
W/S	20-66150-10	Tap Expenses	3,000.00	-		Budget zero (included in other accounts)
W/S	20-66400-10	Well/Tank/Meter Vault Maintenance	-	9,000.00	13,300.00	Tank inspections, cleanings & maintenance (@ \$2,000 each) + (Booster pump/Well #3:\$4300)



Department	GL Account	Description	2020-2021 Budget	2021-2022 Budget	2022-2023 Budget	Explanations
W/S	20-80100-10	Other Expenses	-	-	1,000.00	Generally non-recurring expenses unrelated to normal operations (for example, insurance claims)
W/S	20-60200-20	Sewer Chemicals	-	4,000.00	10,000.00	Chlorine/chemicals used at WWTP & collection system
W/S	20-66090-20	Sewer Line Maintenance	-	2,000.00	2,500.00	Increase in cost of goods for sewer line (pipe, fitting, manhole ring & lids etc.)
W/S	20-66100-20	Sewer Testing	-	11,683.00	12,852.00	Increase in lab fees
W/S	20-66400-20	WWTP/Lift Station Maintenance	-	10,000.00	12,000.00	Replace pump at W. Plant (est \$8,000)
W/S	20-66040-30	Garbage Service	80,000.00	103,173.00	107,210.00	Includes CPI increase from Waste Connections
		<b>TOTAL EXPENSES</b>	<b>1,013,479.32</b>	<b>1,580,825.41</b>	<b>1,469,460.94</b>	
		<b>NET REVENUE/EXPENSES</b>	<b>(51,379.32)</b>	<b>7,641.59</b>	<b>141,142.06</b>	



[illegible]



Category	Budget Year Needed	Amount Requested							Reason for Request	Department
<b>Other Capital Purchases</b>										
Bunker Gear	2021-2022	\$ 15,000.00				\$ 15,000.00			Grant Purchase if possible	Fire
Bunker Gear	2023-2024	\$ 15,000.00						\$ 15,000.00	Grant Purchase if possible	Fire
Electric Remote Gate	2020-2021	TBD							To enable parking city vehicles in a secure area. Could be funded with proceeds from impound car auctions.	Police
Paint Old Water Tower in Old Town	2020-2021	TBD							Improve look of Historic Feature	Public Works
Street Repairs (See list below)		\$ 120,000.00	\$ 120,000.00							
Front/First Street drainage	2020-2021	TBD							Pending Roadway CIP in 2020-2021, Patch work still to be performed	Public Works
Front/Morris Drainage	2020-2021	TBD							Pending Roadway CIP in 2020-2021, Patch work still to be performed	Public Works
Morris Street Repair	2020-2021	TBD							Waiting on Construction of Six Homes to be Completed	
Crack Seal Roads Ellis/Crown Point	2020-2021	TBD							Pending Roadway CIP in 2020-2021, Patch work still to be performed	Public Works
Concrete Pecan Court	2021-2022	TBD							Pending Roadway CIP in 2020-2021, Patch work still to be performed	Public Works
Redbud Asphalt Overlay	2021-2022	TBD							Pending Roadway CIP in 2020-2021, Patch work still to be performed	Public Works
Category	Budget Year Needed	# Needed							Reason for Request	Department
<b>New Staff Positions</b>										
One Firefighter/EMS per shift	2020-2021	1	\$ 24,000.00						\$100 per shift for 52 weeks (\$27,000) Daytime	Fire
Two Firefighters/EMS per shift	2021-2022	2				\$ 52,000.00			\$100 per shift for 52 weeks (\$54,000) Daytime	Fire
One Firefighter/EMS per shift	2022-2023	1						\$ 26,000.00	\$100 per shift for 52 weeks (\$27,000) Daytime	Fire
One Fulltime Paid Firefigher/EMS	2022-2023	1						\$ 60,000.00	One fulltime paid with benefits Daytime	Fire
Three Fulltime Paid Firefighter/EMS	2023-2024	3						\$ 180,000.00	Three fulltime paid with benefits	Fire
Additional Officer/Benefits	2020-2021	1		\$ 60,000.00					To patrol housing construction areas to deter & detect thefts	Police
Part-Time Municipal Court Clerk	2022-2023	1							20 hours per week	Court
Part-Time Municipal Court Clerk	2023-2024	1							30 hours per week	Court
Field Maintenance Personnel	2020-2021	1								Public Works
Administrative Assistant	2020-2021	1								Public Works
Field Maintenance Personnel	2021-2022	1								Public Works
Field Maintenance Personnel	2022-2023	2								Public Works
Field Maintenance Personnel	2023-2024	1								Public Works
<b>Totals excluding New Staff Positions</b>			\$ 189,900.00	\$ 320,000.00	\$ 375,000.00		\$ 411,000.00	\$ 247,000.00		





Physical Address: 501 South Main Street

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# AGENDA ITEM H





## Agenda Commentary

Meeting Date: August 25, 2022

Department: Public Works

Contact: Eric Debus

Agenda Item: H. Discussion and any necessary action regarding drainage project

Type of Item: ☐ Ordinance ☐ Resolution ☐ Contract/Agreement ☐ Public Hearing  
☐ Plat ☒ Discussion & Direction ☐ Other

### Summary-Background:

Staff has been addressing a drainage issue along Mount Lane in the Ellis Subdivision. Over the past several years, the City of Rhome has had to complete two road repairs on Mount Lane due, in part, to the drainage ditches from 1112 Mount Lane north to the designated drainage channel overflowing due to the ditches becoming silted in over the years. In an effort to keep the water in the ditches and off the road, the ditches from 1110 Mount Lane to the drainage channel need to be re-established.

At the last Council meeting Ordinance 2021-23 "Grass, Weeds, Limbs, Drainage" was brought up. The intention of this ordinance was concerning property owner responsibility for general maintenance, mowing, and keeping culverts clear of stoppages; it was not intending to preclude the City from addressing the drainage system as a whole and its (drainage system) purpose of keeping water off the city streets.

As a reminder, Council approved an interlocal road maintenance project for the Ellis Subdivision which should be completed by the end of the year. It would be ideal to have this project completed before the County begins the road project.

The approximate cost of the drainage project is \$15,000. The funds are available in the Street Maintenance line item.

Funding Expected: ☐ Revenue ☐ Expenditure ☐ N/A  
Budgeted Item: ☐ Yes ☐ No ☐ N/A  
GL Account: \_\_\_\_\_ Amount: \_\_\_\_\_  
Legal Review Required: ☐ Yes ☐ No Date Completed: \_\_\_\_\_  
Engineering Review: ☐ FD Review: ☐ PD Review: ☐ PW Review: ☐

### Supporting Documents Attached:

### Recommendation:

Staff is recommending Council approval of the drainage project.









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# AGENDA ITEM I





## Agenda Commentary

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Meeting Date: August 25, 2022

Department: Administration

Contact: Eric Debus

**Agenda Item:** I. Discussion and any necessary action regarding the Proposed Tax Rate for 2022-2023, take a record vote and schedule the Public Hearing

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Type of Item: ☐ Ordinance ☐ Resolution ☐ Contract/Agreement ☐ Public Hearing  
☐ Plat ☐ Discussion & Direction ☐ Other

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Summary-Background: 2022-2023 Proposed tax rate \$.437815 per \$100 taxable property value and is less than FY 2021-2022 of \$.450857

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Funding Expected: ☐ Revenue ☐ Expenditure ☐ N/A

Budgeted Item: ☐ Yes ☐ No ☐ N/A

GL Account: \_\_\_\_\_ Amount: \_\_\_\_\_

Legal Review Required: ☐ Yes ☐ No Date Completed: \_\_\_\_\_

Engineering Review: ☐ FD Review: ☐ PD Review: ☐ PW Review: ☐

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Supporting Documents Attached:

Yes

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**Recommendation:** Staff is recommending approval for the Tax Rate of \$.437815. A Record Vote must be taken and scheduling the public hearing for September 8, 2022

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# AGENDA ITEM J





## Agenda Commentary

Meeting Date: August 25, 2022

Department: Planning and Zoning

Contact: Eric Debus

**Agenda Item:** J. Discussion and any necessary action regarding a text amendment to the City of Rhome Zoning Code that will amend the sections to create the uses of "Brewery" and "Small Event Venue", Defining said uses and permitting said uses withing the "C" Commercial Zoning District, and to define the use to "Tourist Home (Bed and Breakfast)"; providing a cumulative clause; providing a severability clause; providing a penalty clause; providing a savings clause; providing a publication clause; and providing for an effective date.

**Type of Item:** ☒ Ordinance ☐ Resolution ☐ Contract/Agreement ☐ Public Hearing  
☐ Plat ☐ Discussion & Direction ☐ Other

**Summary-Background:** Adding the uses of "Brewery" and "Small Event Venue" the Commercial Zoning Ordinance, and Defining "Tourist Home (Bed and Breakfast)".

**Funding Expected:** ☐ Revenue ☐ Expenditure ☐ N/A

**Budgeted Item:** ☐ Yes ☐ No ☐ N/A

**GL Account:** \_\_\_\_\_ **Amount:** \_\_\_\_\_

**Legal Review Required:** ☐ Yes ☐ No **Date Completed:** \_\_\_\_\_

**Engineering Review:** ☐ **FD Review:** ☐ **PD Review:** ☐ **PW Review:** ☐

**Supporting Documents Attached:** Yes

**Recommendation:** Staff is recommending the approval of the additions to the Zoning Ordinance, with a Special Use Permit

x



**ORDINANCE NO. \_\_\_\_\_**

**AN ORDINANCE AMENDING SECTIONS 34 AND APPENDIX A-3 OF EXHIBIT A OF CHAPTER 14 “ZONING” OF THE CODE OF ORDINANCES, CITY OF RHOME, TEXAS TO REVISE THE SECTIONS TO CREATE THE USES OF “BREWERY” AND “SMALL EVENT VENUE”, DEFINING SAID USES AND ~~PERMITTING-ALLOWING~~ SAID USES VIA A SPECIFIC USE PERMIT WITHIN THE “C” COMMERCIAL ZONING DISTRICT, AND TO DEFINE THE USE “TOURIST HOME (BED AND BREAKFAST)”;** PROVIDING A CUMULATIVE CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A PENALTY CLAUSE; PROVIDING A SAVINGS CLAUSE; PROVIDING A PUBLICATION CLAUSE; AND PROVIDING FOR AN EFFECTIVE DATE.

**WHEREAS**, the City of Rhome is a Type-A general law municipality located in Wise County, created in accordance with the provisions of Chapter 6 of the Texas Local Government Code and operating pursuant to the enabling legislation of the State of Texas; and

**WHEREAS**, the City Council desires to amend the Zoning Ordinance to create the uses of “Brewery” and “Small event venue”, defining said uses and permitting said uses within the “C” Commercial zoning district; and

Whereas, the City Council desires to amend the Zoning Ordinance to define the use “Tourist home (bed and breakfast)” which is currently undefined within the Zoning Ordinance; and

**WHEREAS**, a public hearing was held by the Planning and Zoning Commission on \_\_\_\_\_, and thereafter by the City Council on \_\_\_\_\_, with respect to the proposed use changes described herein; and

**WHEREAS**, all requirements of law dealing with notice to other property owners, publication and all procedural requirements have been complied with in accordance with the comprehensive zoning ordinance and chapter 211 of the Local Government Code; and

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF RHOME, TEXAS:**

**SECTION 1.**

Section 34.7 “Amusement & Commercial”, Exhibit A of Chapter 14 “Zoning” of the Code of Ordinances, City of Rhome, Texas is hereby amended to have Brewery be an ~~permitted-allowed~~ use via a SUP, listed as “~~PS~~” in the C zoning district.



## SECTION 2.

Section 34.7 “Amusement & Commercial”, Exhibit A of Chapter 14 “Zoning” of the Code of Ordinances, City of Rhome, Texas is hereby amended to have Small event venue be an permitted allowed use via a SUP, listed as “PS” in the C zoning district.

## SECTION 3.

Appendix A-3 “Definitions”, Exhibit A of Chapter 14 “Zoning” of the Code of Ordinances, City of Rhome, Texas is hereby amended to add the following definitions to be inserted appropriately in alphabetical order:

Brewery – an establishment holding a “Brewer’s Permit or a Brewer’s Self Distribution Permit” issues by the Texas Alcoholic Beverage Commission in accordance with the Texas Alcoholic Beverage Code.

Small event venue –a building, facility, room, or portion thereof, which is rented, leased or otherwise made available to any person or group for a private event function, that is not open to the general public, whether or not a fee is charged. This use also includes meeting halls for civic organizations or social groups.

Tourist home (bed and breakfast) - A house, townhome, or portion thereof, where short-term lodging rooms and meals are provided. The operator or a caretaker of the Tourist home may live on the premises.

## SECTION 5.

This Ordinance shall be cumulative of all provisions and ordinances of the Code of Ordinances of the City of Rhome, Texas, as amended, except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances and such Code, in which event the conflicting provisions of such ordinances and such Code are hereby repealed.

## SECTION 6.

It is hereby declared to be the intention of the City Council that the phrases, clauses, sentences, paragraphs, and sections of this Ordinance are severable, and if any phrase, clause sentence, paragraph or section of this Ordinance shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance, since the same would have been enacted by the City Council without the incorporation in this Ordinance of any such unconstitutional phrase, clause, sentence, paragraph or section.



## SECTION 7.

Any person, firm, or corporation who violates, disobeys, omits, neglects, or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be guilty of a misdemeanor and, upon conviction, shall be fined an amount not to exceed \$2,000.00. Each day that a violation continues shall be deemed a separate offense.

## SECTION 8.

All rights and remedies of the City of Rhome, Texas are expressly saved as to any and all violations of the City's Zoning Ordinance, as amended, which have accrued at the time of the effective date of this Ordinance; and, as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such ordinances same shall not be affected by this Ordinance but may be prosecuted until final disposition by the courts.

## SECTION 9.

The City Secretary of the City of Rhome, Texas is hereby directed to publish at least twice in the official newspaper of the City of Rhome, Texas, the caption and the penalty clause of this Ordinance in accordance with Section 52.011 of the Local Government Code.

## SECTION 10.

This Ordinance shall be in full force and effect from and after its passage and publication as required by law,

## AND IT IS SO ORDAINED.

Passed on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

CITY OF RHOME, TEXAS

By:

~~Jo Ann Wilson~~Patricia Mitchell, Mayor

ATTEST:

~~Shannon Montgomery~~Shaina Odom, City Secretary



APPROVED AS TO FORM AND LEGALITY:

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Carvan E. Adkins, City Attorney



## **ORDINANCE NO. 2022-15**

**AN ORDINANCE AMENDING SECTIONS 34 AND APPENDIX A-3 OF EXHIBIT A OF CHAPTER 14 “ZONING” OF THE CODE OF ORDINANCES, CITY OF RHOME, TEXAS TO REVISE THE SECTIONS TO CREATE THE USES OF “BREWERY” AND “SMALL EVENT VENUE”, DEFINING SAID USES AND PERMITTING SAID USES WITHIN THE “C” COMMERCIAL ZONING DISTRICT, AND TO DEFINE THE USE “TOURIST HOME (BED AND BREAKFAST)”;**  
**PROVIDING A CUMULATIVE CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A PENALTY CLAUSE;**  
**PROVIDING A SAVINGS CLAUSE; PROVIDING A PUBLICATION CLAUSE; AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, the City of Rhome is a Type-A general law municipality located in Wise County, created in accordance with the provisions of Chapter 6 of the Texas Local Government Code and operating pursuant to the enabling legislation of the State of Texas; and

**WHEREAS**, the City Council desires to amend the Zoning Ordinance to create the uses of “Brewery” and “Small event venue”, defining said uses and permitting said uses within the “C” Commercial zoning district; and

Whereas, the City Council desires to amend the Zoning Ordinance to define the use “Tourist home (bed and breakfast)” which is currently undefined within the Zoning Ordinance; and

**WHEREAS**, a public hearing was held by the Planning and Zoning Commission on August 1, 2022, and thereafter by the City Council on August 11, 2022, with respect to the proposed use changes described herein; and

**WHEREAS**, all requirements of law dealing with notice to other property owners, publication and all procedural requirements have been complied with in accordance with the comprehensive zoning ordinance and chapter 211 of the Local Government Code; and

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF RHOME, TEXAS:**

### **SECTION 1.**

Section 34.7 “Amusement & Commercial”, Exhibit A of Chapter 14 “Zoning” of the Code of Ordinances, City of Rhome, Texas is hereby amended to have Brewery be a permitted use, listed as “P” in the C zoning district.



## **SECTION 2.**

Section 34.7 “Amusement & Commercial”, Exhibit A of Chapter 14 “Zoning” of the Code of Ordinances, City of Rhome, Texas is hereby amended to have Small event venue be a permitted use, listed as “P” in the C zoning district.

## **SECTION 3.**

Appendix A-3 “Definitions”, Exhibit A of Chapter 14 “Zoning” of the Code of Ordinances, City of Rhome, Texas is hereby amended to add the following definitions to be inserted appropriately in alphabetical order:

Brewery – an establishment holding a “Brewer’s Permit or a Brewer’s Self Distribution Permit” issues by the Texas Alcoholic Beverage Commission in accordance with the Texas Alcoholic Beverage Code.

Small event venue –a building, facility, room, or portion thereof, which is rented, leased or otherwise made available to any person or group for a private event function, that is not open to the general public, whether or not a fee is charged. This use also includes meeting halls for civic organizations or social groups.

Tourist home (bed and breakfast) - A house, townhome, or portion thereof, where short-term lodging rooms and meals are provided. The operator or a caretaker of the Tourist home may live on the premises.

## **SECTION 5.**

This Ordinance shall be cumulative of all provisions and ordinances of the Code of Ordinances of the City of Rhome, Texas, as amended, except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances and such Code, in which event the conflicting provisions of such ordinances and such Code are hereby repealed.

## **SECTION 6.**

It is hereby declared to be the intention of the City Council that the phrases, clauses, sentences, paragraphs, and sections of this Ordinance are severable, and if any phrase, clause sentence, paragraph or section of this Ordinance shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance, since the same would have been enacted by the City Council without the incorporation in this Ordinance of any such unconstitutional phrase, clause, sentence, paragraph or section.



## **SECTION 7.**

Any person, firm, or corporation who violates, disobeys, omits, neglects, or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be guilty of a misdemeanor and, upon conviction, shall be fined an amount not to exceed \$2,000.00. Each day that a violation continues shall be deemed a separate offense.

## **SECTION 8.**

All rights and remedies of the City of Rhome, Texas are expressly saved as to any and all violations of the City's Zoning Ordinance, as amended, which have accrued at the time of the effective date of this Ordinance; and, as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such ordinances same shall not be affected by this Ordinance but may be prosecuted until final disposition by the courts.

## **SECTION 9.**

The City Secretary of the City of Rhome, Texas is hereby directed to publish at least twice in the official newspaper of the City of Rhome, Texas, the caption and the penalty clause of this Ordinance in accordance with Section 52.011 of the Local Government Code.

## **SECTION 10.**

This Ordinance shall be in full force and effect from and after its passage and publication as required by law,

**AND IT IS SO ORDAINED.**

Passed on this 11<sup>th</sup> day of August, 2022.

CITY OF RHOME, TEXAS

By:

\_\_\_\_\_  
Patricia Mitchell, Mayor

ATTEST:

\_\_\_\_\_  
Shaina Odom, City Secretary



APPROVED AS TO FORM AND LEGALITY:

---

Carvan E. Adkins, City Attorney





Physical Address: 501 South Main Street

Mailing Address: PO Box 228

Rhode, Texas 76078

Telephone: 817-636-2462 | Metro: 817-638-2758

[www.cityofrhode.com](http://www.cityofrhode.com) [cityadministrator@cityofrhode.com](mailto:cityadministrator@cityofrhode.com)

---

# AGENDA ITEM K





## Agenda Commentary

---

**Meeting Date:** August 25, 2022

**Department:** P&Z

**Contact:** Eric Debus

**Agenda Item: K.** Discussion and any necessary action regarding a request for replat of two tracts of land; one tract being legally described as Acres: 3.600, Abst: A-634 MEP & PRR and is located on the SE corner of US Highway 287 Northbound Service Road and B.C. Rhome; and one tract of land being legally described as Acres: 1.253, Lot: 1, Blk: 1, Subd: TACO CASA RHOME ADDITION, Abst: A-634 MEP & PRR - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078

---

**Type of Item:** ☐ Ordinance ☐ Resolution ☐ Contract/Agreement ☐ Public Hearing  
☒ Plat ☐ Discussion & Direction ☐ Other

---

**Summary-Background:** The City of Rhome, working with QT, annexed the property on the hard corner of Hwy 287 NB Service Road and BC Rhome and approved a re-zoning request. The action before the Planning & Zoning Commission is the replat; to combine the two pieces of property described above the QT store site.

Public Notice was published and 200 ft notices were sent out, as required.

City staff and engineering have reviewed the replat.

---

**Funding Expected:** ☐ Revenue ☐ Expenditure ☒ N/A **Budgeted Item:**  
☐ Yes ☐ No ☐ N/A

**Funding Account:** \_\_\_\_\_ **Amount:** \_\_\_\_\_

**Legal Review Required:** ☐ N/A ☒ Required **Date Completed:** \_\_\_\_\_

**Engineering Review** ☒ **FD Review** ☐ **PD Review** ☒ **PW Review** ☒

---

**Supporting Documents attached:** Yes

---

**Recommendation:** P&Z Recommends approval of the Replat

---









Physical Address: 501 South Main Street

Mailing Address: PO Box 228

Rhome, Texas 76078

Telephone: 817-636-2462 | Metro: 817-638-2758

[www.cityofrhome.com](http://www.cityofrhome.com) | [cityofrhome@earthlink.net](mailto:cityofrhome@earthlink.net)

## APPLICATION FOR FINAL PLAT

Proposed Subdivision Name: QT 1873 Addition

### Property Owner Information

Name: QT South, LLC – Attn: Craig Honeywell

Address: 4705 South 129<sup>th</sup> East Avenue, Tulsa, OK 74134

Phone Number: 817-786-3182 Email: choneywe@quiktrip.com

### Applicant Information – if different from Property Owner

Name: Kirkman Engineering – Attn: Jonathan Schindler

Address: 5200 State Highway 121, Colleyville, TX 76034

Phone Number: 817-488-4960 Email: Jonathan.schindler@trustke.com

### Developer Information

Name: Same as Owner

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

### Engineer Information

Name: Same as Applicant

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

**Legal** Lot 1, Block A, QT 1873 Addition


### Description:

**Property ID:** 791344 & 744890

Type of  
Proposed  
Development:

<input type="checkbox"/> SF Residential	<input type="checkbox"/> MF Residential	<input type="checkbox"/> Duplex	<input checked="" type="checkbox"/> Commercial/ Industrial	<input type="checkbox"/> Other
---	---	---------------------------------	---	--------------------------------

Total # of Acres in Plan:	<u>4.854</u>	Total Number of Lots in Plan:	<u>1</u>	Current Zoning Classification:	<u>PD</u>
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The following is to be completed only if a person other than the property owner is making this application:  
I, Craig Honeywell – QT South, LLC, property owner of the previously described property, do hereby certify  
that I have given my permission to Jonathan Schindler – Kirkman Engineering, to make this Final Plat  
application. Signature of property owner: 

Basic Fee for Final Plat: \$ 400.00

+ **Single Family:** Number of Lots: \_\_\_\_\_ at \$20 per lot for the first 10  
lots and \$7.50 for each additional lot, plus \$25.00 per acre for areas not platted \$ 0

+ into lots \$ 0

+ **Commercial/Industrial:** \$50.00 per acre; Number of Acres: 4.854 \$ 242.70

**Multi Family/Duplex:** Number of Units: \_\_\_\_\_ at \$25.00 per unit

**Application Fee:** \$ 642.70



I hereby certify that I am, or represent, the legal owner of the property described above and do hereby submit this Final Plat.

Date: 7/6/2022

Printed Name: Jonathan Schindler

Signature: *Jonathan Schindler*





July 29, 2022

Jonathan Schindler, P.E.  
Kirkman Engineering  
5200 State Highway 121  
Colleyville, Texas 76034

**RE: Quick Trip Store #1873  
Re-Plat Review (Intersection of HWY 81/287 and HWY 114)  
KHA No. 061274207**

Dear Mr. Schindler:

As requested, Kimley-Horn and Associates, Inc. has reviewed the Re-Plat submittal for Quick Trip Store #1873 in accordance with the *City of Rhome Code of Ordinances*. The Re-Plat appears to be in general conformance with the *City of Rhome Code of Ordinances* and ready for approval at Planning and Zoning Commission and City Council.

For review and acceptance by the City of Rhome, it is the developer's responsibility to confirm with the City Administrator for placement on the agenda for Planning and Zoning and subsequently City Council. The Plat is currently anticipated to be on agenda for the August 1<sup>st</sup> Planning and Zoning Meeting. Please provide 10 paper copies of the Re-Plat submittal to the City of Rhome prior to this meeting.

If you have any questions regarding your Re-Plat submittal, please do not hesitate to call.

Very truly yours,  
KIMLEY-HORN AND ASSOCIATES, INC.  
Texas Registration No. F-928

A handwritten signature in blue ink, appearing to read "Kyle Welden P.E.", with a stylized flourish.

Kyle Welden, P.E.  
KLW/sdw

Copy to: Ms. Cynthia Northrop, City Administrator  
Ms. Shaina Odom, City Secretary  
Mr. Eric Debus, Chief of Police





501 South Main Street | PO Box 228

Rhome, Texas 76078

Telephone: 817-636-2462

[www.cityofrhome.com](http://www.cityofrhome.com) | [citysecretary@cityofrhome.com](mailto:citysecretary@cityofrhome.com)

---

June 23, 2022

Commercial Services

TXU Energy Retail Company LLC

PO Box 650764

Dallas, Texas 75265-0764

RE: Public Hearings for Replat Request

Dear Commercial Services,

The City of Rhome Planning and Zoning Commission will hold a Public Hearing on Monday, July 11, 2022 at 6:00pm for the purpose of hearing comments regarding a change to the plat of properties being legally described as:

- a tract of land, legal description being Acres: 3.600, Abst: A-634 MEP & PRR and is located on the SE corner of US Highway 287 Northbound Service Road and B.C. Rhome - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078.
- a tract of land, legal description being: Acres: 1.253, Lot: 1, Blk: 1, Subd: TACO CASA RHOME ADDITION, Abst: A-634 MEP & PRR and is located On BC Rhome just west of Taco Casa located at 201 School Road, Rhome, Texas 76078.

In addition, the City of Rhome City Council will hold a Public Hearing on Thursday, July 15, 2022 at 6:00pm on the same matter.

Both meetings will be held at the Rhome Community Center, 261 North School Road, Rhome, Texas.

You are welcome to attend both Public Hearings to provide oral testimony. Both agendas will be posted no later than 72 hours prior to the meeting at <http://www.cityofrhome.com/calendar.html>.

The agendas will have call in information for LIVE streaming. If you prefer, you may return the enclosed Notification Reply Form in person to City Hall, 501 South Main Street, Rhome, Texas, by mail to PO Box 228, Rhome, Texas 76078, or by email to City Secretary at [citysecretary@cityofrhome.com](mailto:citysecretary@cityofrhome.com). The City Secretary will read your comments at both meetings.

Please do not hesitate to contact City Administrator Cynthia Northrop at 817-636-2462 or by email at [cityadministrator@cityofrhome.com](mailto:cityadministrator@cityofrhome.com) if you have any questions or concerns regarding this request.

Sincerely,

Shaina Odom  
City Secretary

Enclosures





501 South Main Street | PO Box 228

Rhome, Texas 76078

Telephone: 817-636-2462

[www.cityofrhome.com](http://www.cityofrhome.com) | [citysecretary@cityofrhome.com](mailto:citysecretary@cityofrhome.com)

## PUBLIC HEARING NOTIFICATION REPLY

**Public Hearing  
Notice for  
Property:**

- a tract of land, legal description being Acres: 3.600, Abst: A-634 MEP & PRR and is located on the SE corner of US Highway 287 Northbound Service Road and B.C. Rhome - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078.
- a tract of land, legal description being: Acres: 1.253, Lot: 1, Blk: 1, Subd: TACO CASA RHOME ADDITION, Abst: A-634 MEP & PRR and is located on B.C. Rhome - just west of Taco Casa located at 201 School Road, Rhome, Texas 76078.

**Type of Request:** Replat

**P&Z PH Date** Monday, July 11, 2022 at 6:00pm

**Council PH Date:** Thursday, July 14, 2022 at 6:00pm

### PLEASE PRINT LEGIBLY

**Property Owner Name:**

**Property Owner Address:**

**Property Owner Telephone:**

**Property Owner Email:**

### PLEASE CHECK ONE

☒ I am **IN FAVOR** of the Proposed Request

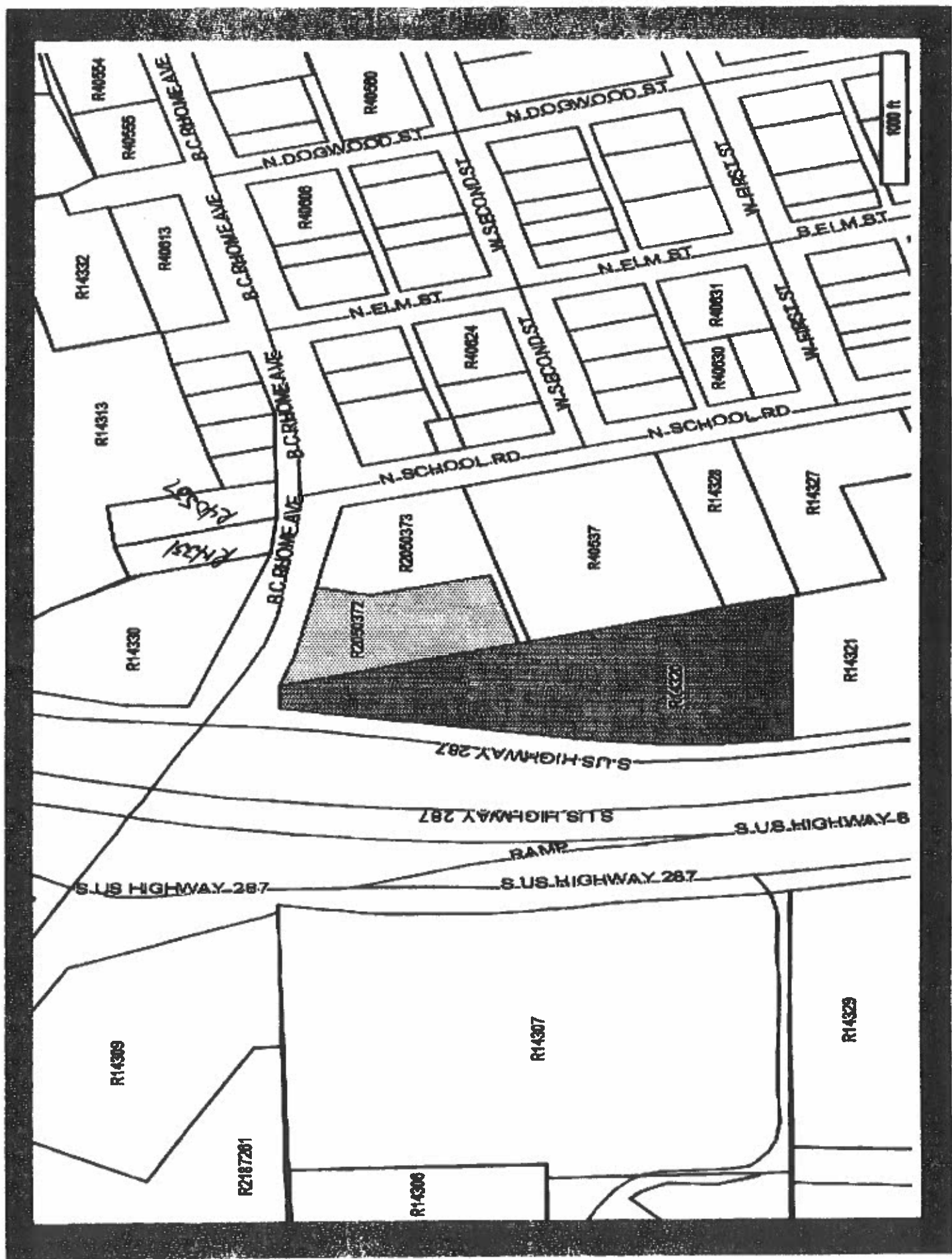
☐ I am **OPPOSED** to the Proposed Request

### COMMENTS

Property Owner Signature

Date









Physical Address: 501 South Main Street

Mailing Address: PO Box 228

Rhode, Texas 76078

Telephone: 817-636-2462 | Metro: 817-638-2758

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---

# AGENDA ITEM L





## Agenda Commentary

---

Meeting Date: August 25, 2022

Department: P&Z

Contact: Eric Debus

Agenda Item: L. Discussion and any necessary action regarding QT Site Plan

---

Type of Item: ☐ Ordinance ☐ Resolution ☐ Contract/Agreement ☐ Public Hearing  
☐ Plat ☐ Discussion & Direction ☐ Other

---

Summary-Background: QT has all documents required for the replat with the exception of two TxDOT permits, Water Line permit, and the driveway permit.

---

Funding Expected: ☐ Revenue ☐ Expenditure ☐ N/A

Budgeted Item: ☐ Yes ☐ No ☐ N/A

GL Account: \_\_\_\_\_ Amount: \_\_\_\_\_

Legal Review Required: ☐ Yes ☐ No Date Completed: \_\_\_\_\_

Engineering Review: ☐ FD Review: ☐ PD Review: ☐ PW Review: ☐

---

Supporting Documents Attached:yes

X

---

Recommendation: Staff is recommending approval for QT Site plan, conditional on TxDOT permits

X

---



ELEVATION=915.03' (NAVD '88)

QT CIVIL PROJECT MANAGER  
QUICKTRIP CORPORATION  
JOSH POTTER P.E.  
4705 SOUTH 129TH EAST AVE.  
TULSA, OK 74134  
TEL: (918) 615-7685



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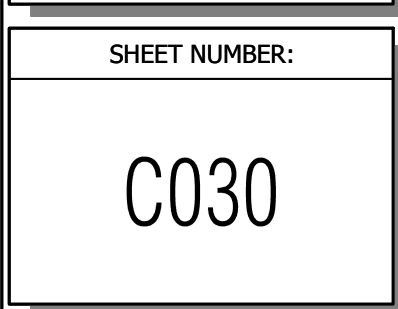
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C001









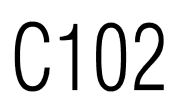




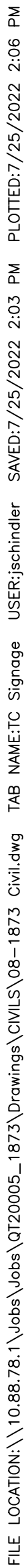






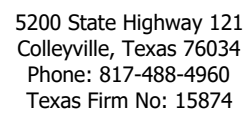




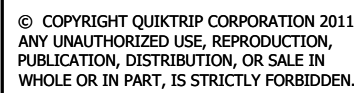


DATE: July 25, 2022

PROJECT NO.:QT20005\_1873



# QuikTrip No. 1873



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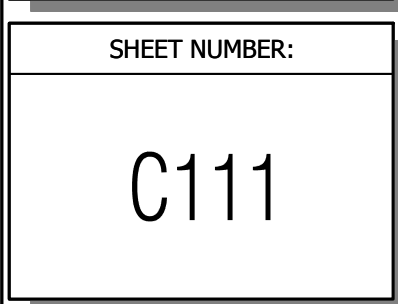
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C103

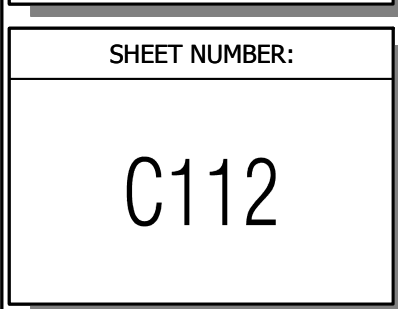








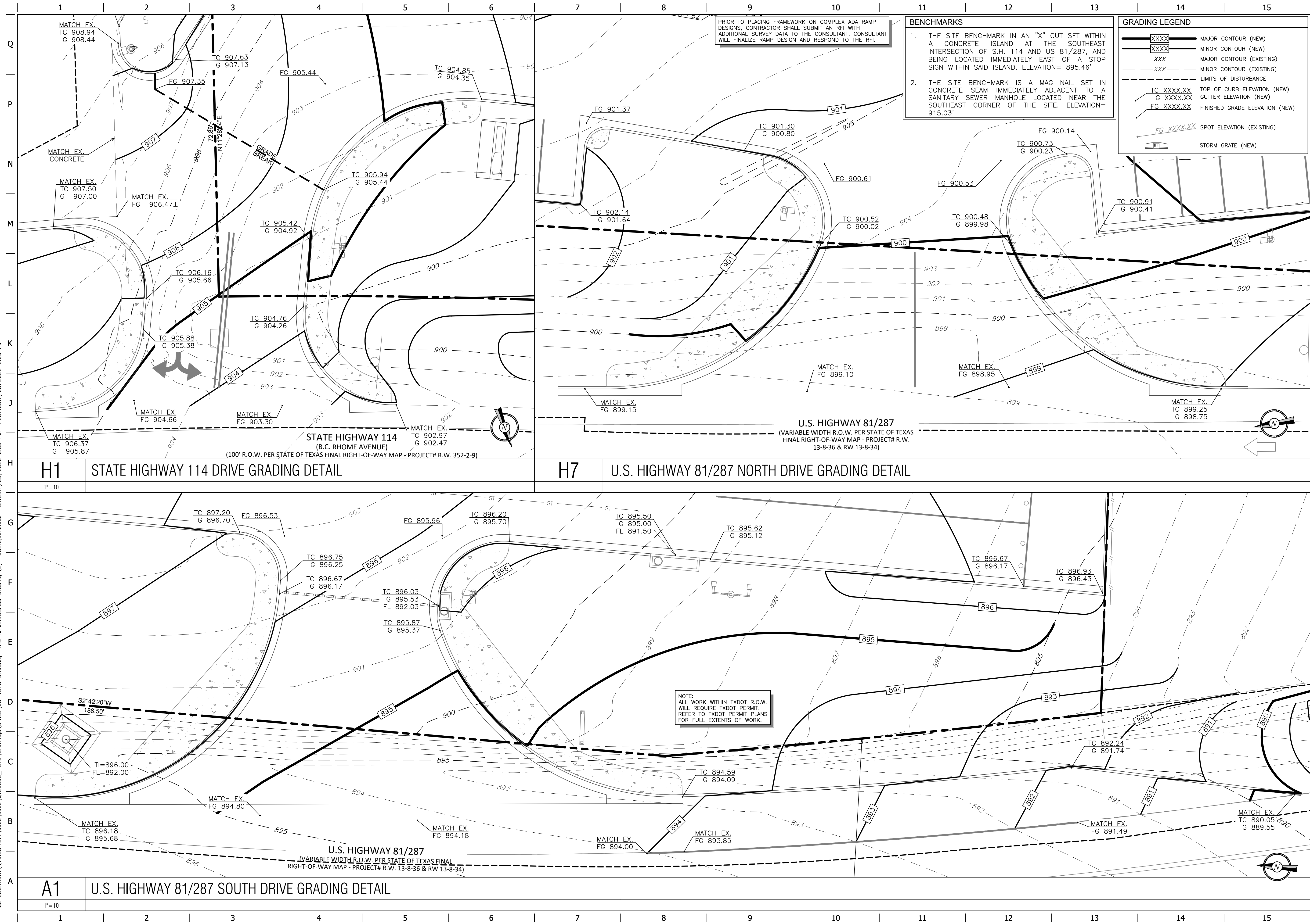




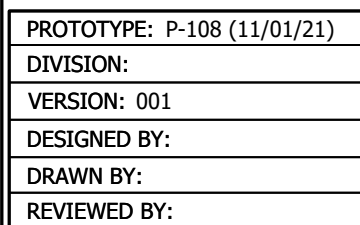






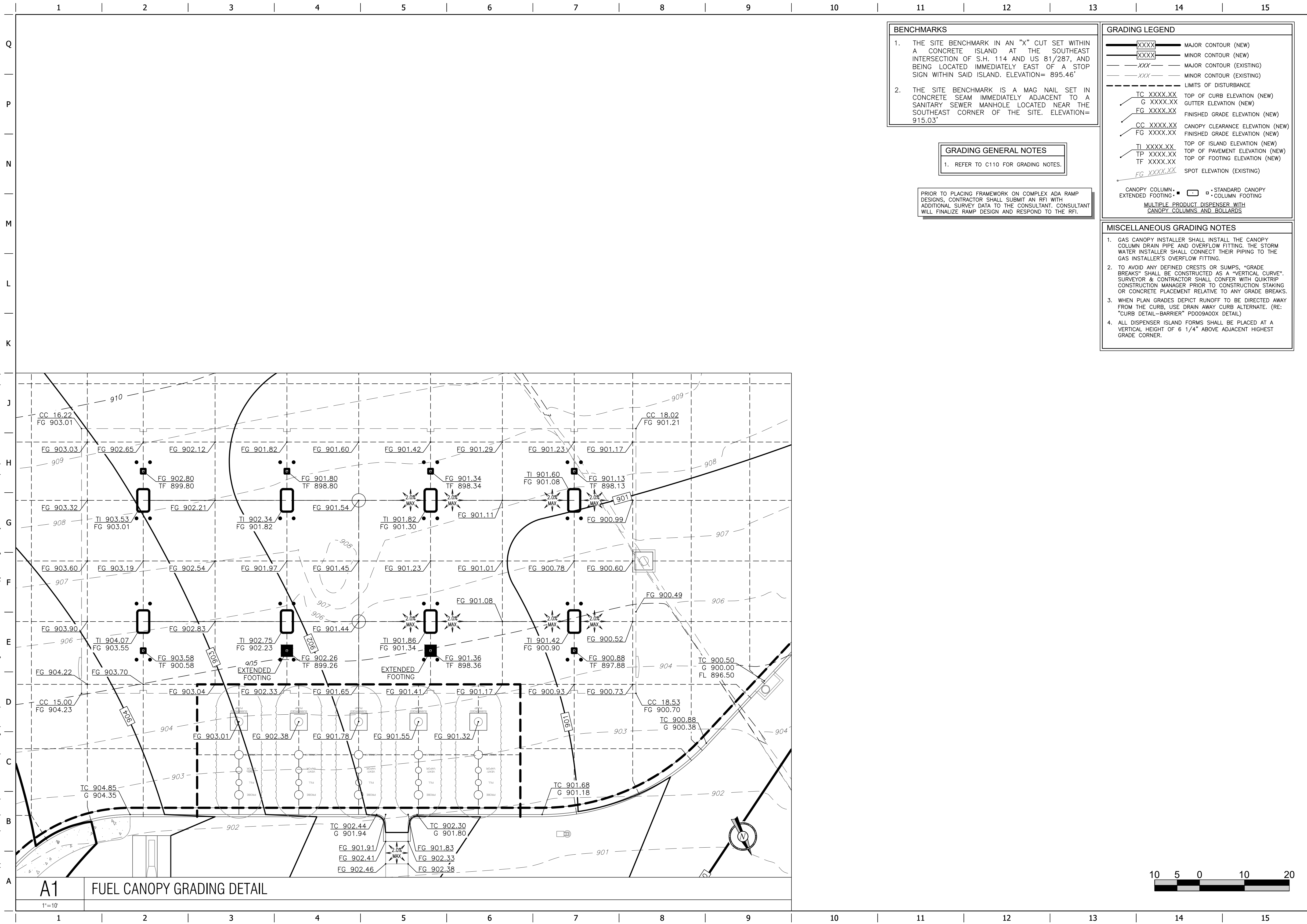


**QuikTrip No. 1873**  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TX

[illegible]

C114






P.E.# 108864  
DATE: July 25, 2022  
PROJECT NO.: QT20005\_1873

  
The logo features a large, stylized 'K' in blue and grey, followed by the word 'kirkman' in a lowercase, blue, sans-serif font, and 'ENGINEERING' in a smaller, uppercase, grey, sans-serif font below it.

5200 State Highway 121  
Colleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874



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VERSION: 001
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DRAWN BY:
REVIEWED BY:

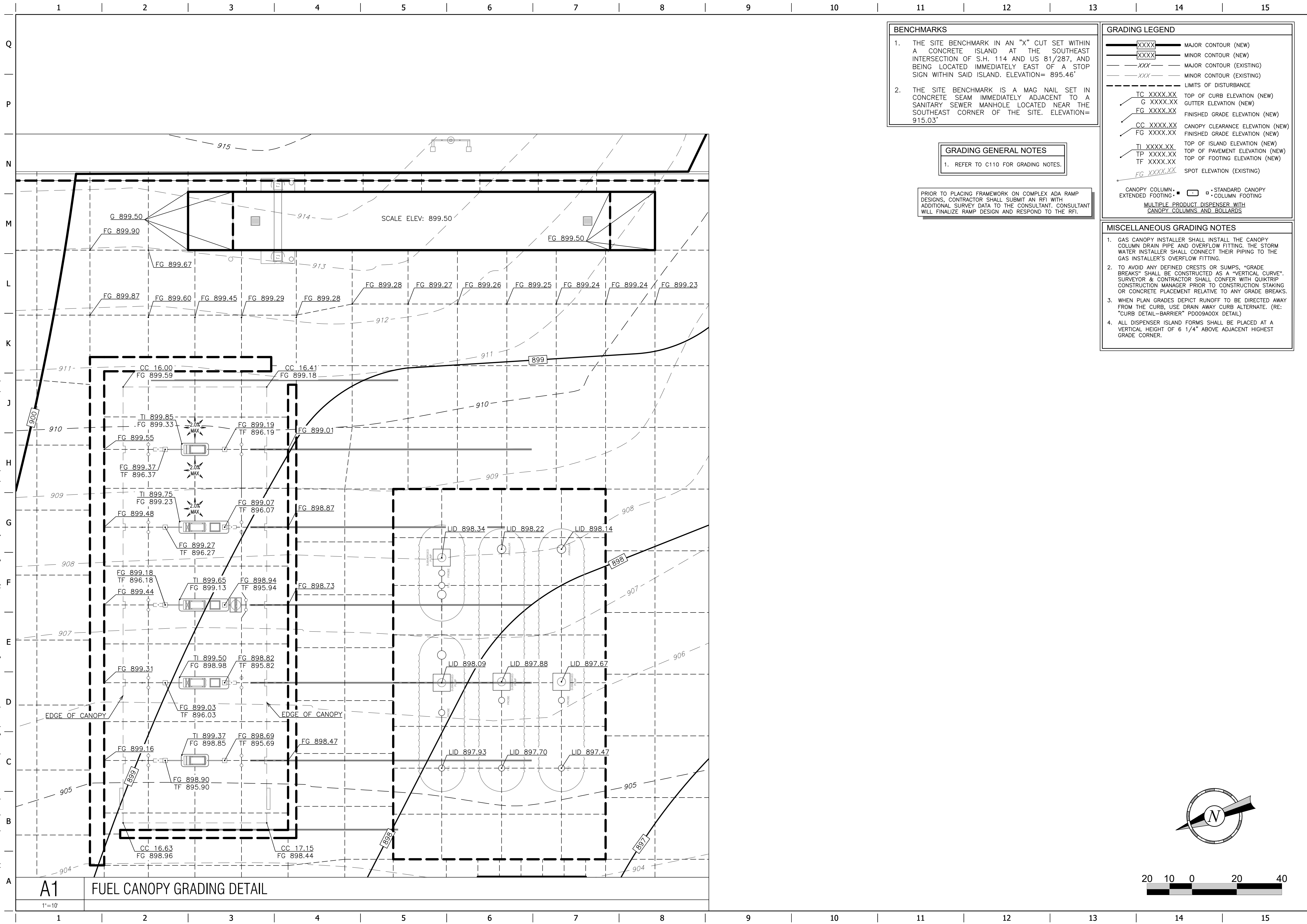
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SHEET TITLE:
DETAILED CANOPY GRADING PLAN

SHEET NUMBER:

C115





1. THE SITE BENCHMARK IN AN "X" CUT SET WITHIN A CONCRETE ISLAND AT THE SOUTHEAST INTERSECTION OF S.H. 114 AND US 81/287, AND BEING LOCATED IMMEDIATELY EAST OF A STOP SIGN WITHIN SAID ISLAND. ELEVATION= 895.46'
2. THE SITE BENCHMARK IS A MAG NAIL SET IN CONCRETE SEWER IMMEDIATELY ADJACENT TO A SANITARY SEWER MANHOLE LOCATED NEAR THE SOUTHEAST CORNER OF THE SITE. ELEVATION= 915.03'

1. REFER TO C110 FOR GRADING NOTES.

1. REFER TO C110 FOR GRADING NOTES.

PRIOR TO PLACING FRAMEWORK ON COMPLEX ADA RAMP DESIGNS, CONTRACTOR SHALL SUBMIT AN RFI WITH ADDITIONAL SURVEY DATA TO THE CONSULTANT. CONSULTANT WILL FINALIZE RAMP DESIGN AND RESPOND TO THE RFI.

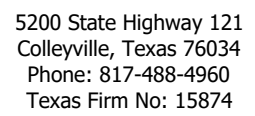
Diagram illustrating various types of elevations and contours:

- MAJOR CONTOUR (NEW)**: Solid line with 'XXXX' in a box.
- MINOR CONTOUR (NEW)**: Solid line with 'XXXXX' in a box.
- MAJOR CONTOUR (EXISTING)**: Dashed line with 'XXX' in a box.
- MINOR CONTOUR (EXISTING)**: Dashed line with 'XXX' in a box.
- LIMITS OF DISTURBANCE**: Two parallel dashed lines.
- TOP OF CURB ELEVATION (NEW)**: Solid line with 'TC XXXX.XX'.
- GUTTER ELEVATION (NEW)**: Solid line with 'G XXXX.XX'.
- FINISHED GRADE ELEVATION (NEW)**: Solid line with 'FG XXXX.XX'.
- CANOPY CLEARANCE ELEVATION (NEW)**: Solid line with 'CC XXXX.XX'.
- FINISHED GRADE ELEVATION (NEW)**: Solid line with 'FG XXXX.XX'.
- TOP OF ISLAND ELEVATION (NEW)**: Solid line with 'TI XXXX.XX'.
- TOP OF PAVEMENT ELEVATION (NEW)**: Solid line with 'TP XXXX.XX'.
- TOP OF FOOTING ELEVATION (NEW)**: Solid line with 'TF XXXX.XX'.
- SPOT ELEVATION (EXISTING)**: Dashed line with 'FG XXXX.XX'.

1. GAS CANOPY INSTALLER SHALL INSTALL THE CANOPY CULPIN DRAIN PIPE AND OVERFLOW FITTING. THE STORM WATER INSTALLER SHALL CONNECT THEIR PIPING TO THE GAS INSTALLER'S OVERFLOW FITTING.
2. TO AVOID ANY DEFINED CRESTS OR SUMPS, "GRADE BREAKS" SHALL BE CONSTRUCTED AS A "VERTICAL CURVE". SUBGRADER & CONTRACTOR SHALL CONFERENCE WITH QUICKTRAC CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION STAKING OR CONCRETE PLACEMENT RELATIVE TO ANY GRADE BREAKS.
3. WHEN PLAN GRADES DEPICT RUNOFF TO BE DIRECTED AWAY FROM THE CURB, USE UPRIGHT AWA CURB ALTERNATE. (RE: "CURB DETAIL--BARRIER" PD090A00X DETAIL).
4. ALL DISPENSER ISLAND FORMS SHALL BE PLACED AT A VERTICAL HEIGHT OF 6 1/4" ABOVE ADJACENT HIGHEST GRADE CORNER.

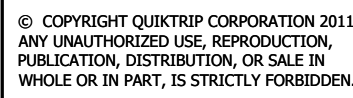
DATE: July 25, 2022

PROJECT NO.:QT20005\_1873



5200 State Highway 121  
Colleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874

**QuikTrip No. 1873**  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TX



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DRAWN BY:
REVIEWED BY:

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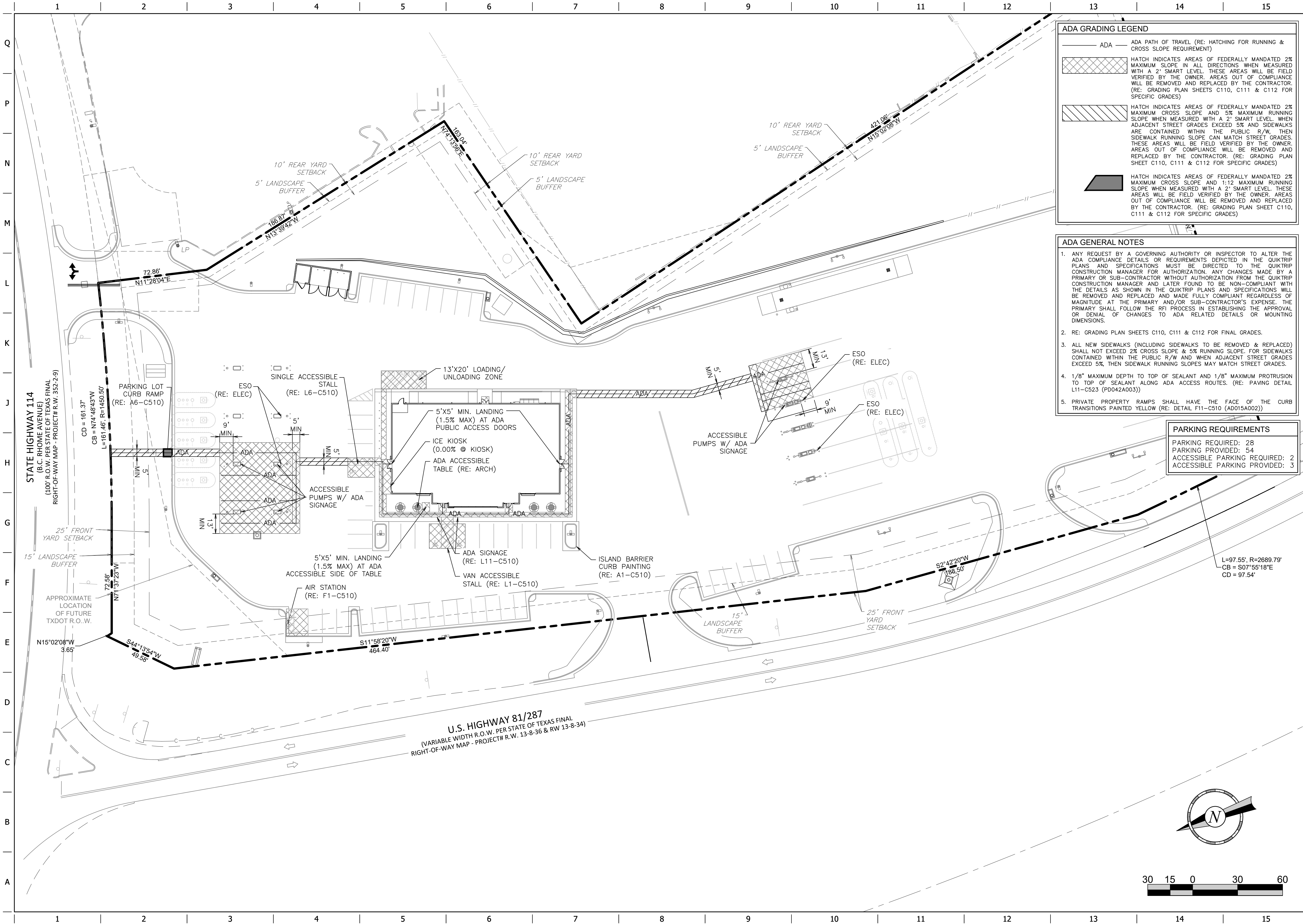
SHEET TITLE:

## TRUCK CANOPY GRADING

SHEET NUMBER:

C116






## ADA GENERAL NOTES

1. ANY REQUEST BY A GOVERNING AUTHORITY OR INSPECTOR TO ALTER THE ADA COMPLIANCE DETAILS OR REQUIREMENTS DEPICTED IN THE KUTRIPK CONSTRUCTION PLANS AND SPECIFICATIONS MUST BE DIRECTED TO THE KUTRIPK CONSTRUCTION MANAGER FOR AUTHORIZATION. ANY CHANGES MADE BY A PRIMARY OR SUB-CONTRACTOR WITHOUT AUTHORIZATION FROM THE KUTRIPK CONSTRUCTION MANAGER WILL BE REMOVED AND LATER FOUND TO BE NON-COMPLIANT WITH THE DETAILS AS SHOWN IN THE KUTRIPK PLANS AND SPECIFICATIONS WILL BE REMOVED AND REPLACED AND MADE FULLY COMPLIANT REGARDLESS OF MAGNITUDE AT THE PRIMARY AND/OR SUB-CONTRACTOR'S EXPENSE. THE KUTRIPK SHALL FURNISH ALL NECESSARY APPROVALS AND PERMITS FOR ANY DENIAL OF CHANGES TO ADA RELATED DETAILS OR MOUNTING DIMENSIONS.
2. RE: GRADING PLAN SHEETS C110, C111 & C112 FOR FINAL GRADES.
3. ALL NEW SIDEWALKS (INCLUDING SIDEWALKS TO BE REMOVED & REPLACED) SHALL NOT EXCEED 2% CROSS SLOPE & 5% RUNNING SLOPE. FOR SIDEWALKS CONTAINED WITHIN THE PUBLIC R/W AND WHEN ADJACENT STREET GRADES EXCEED 5%, THEN SIDEWALK RUNNING SLOPES MAY MATCH STREET GRADES.
4. 1/8" MAXIMUM DEPTH TO TOP OF SEALANT AND 1/8" MAXIMUM PROTRUSION TO TOP OF SEALANT ALONG ADA ACCESS ROUTES. (RE: PAVING DETAIL L11-C523 (PD042A003))
5. PRIVATE PROPERTY RAMPS SHALL HAVE THE FACE OF THE CURB TRANSITIONS PAINTED YELLOW (RE: DETAIL F11-C510 (AD015A002))

PARKING REQUIREMENTS	
PARKING REQUIRED:	28
PARKING PROVIDED:	54
ACCESSIBLE PARKING REQUIRED:	2
ACCESSIBLE PARKING PROVIDED:	3

**QuikTrip No. 1873**  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TX



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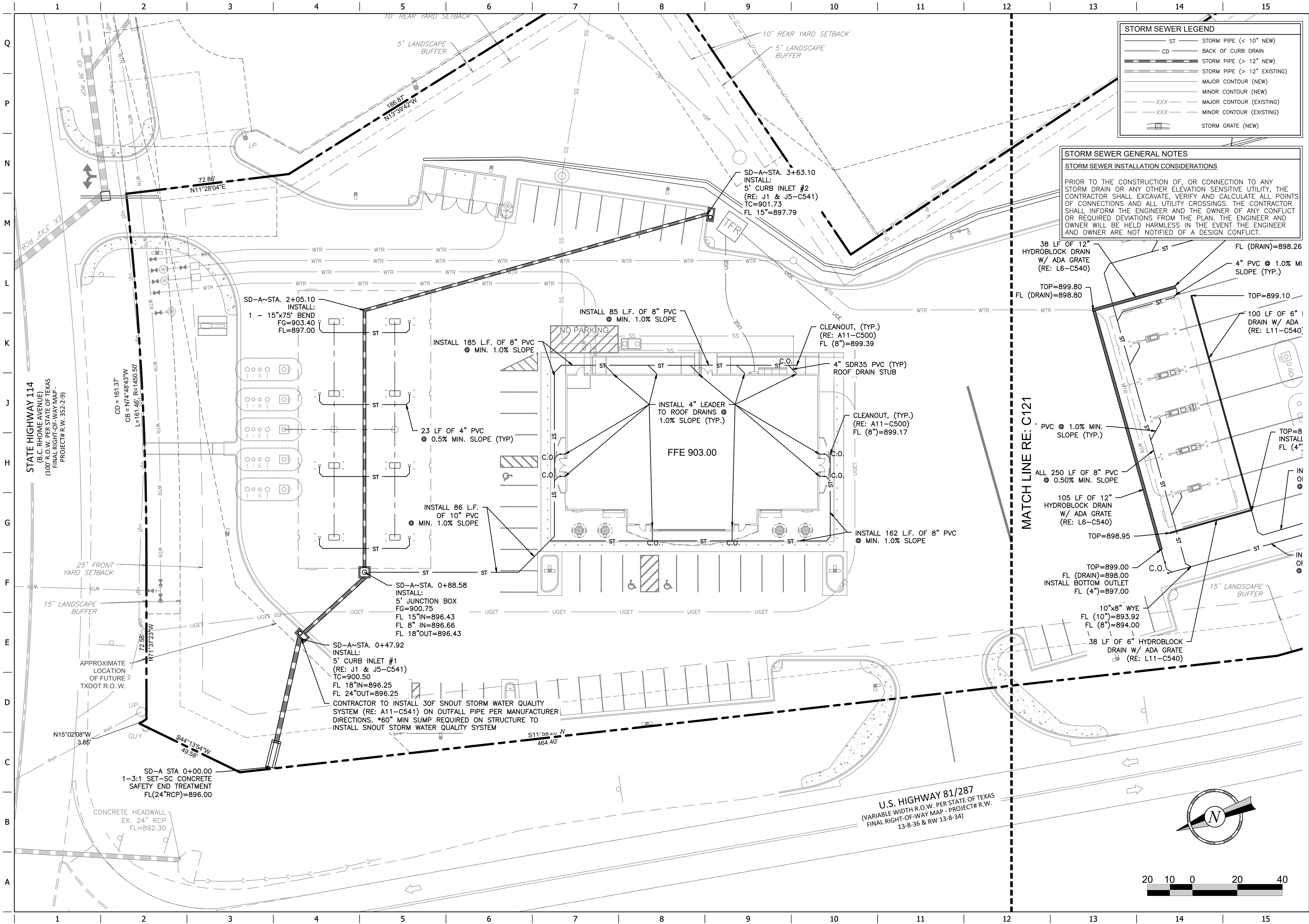
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SHEET TITLE:
ADA COMPLIANCE PLAN

SHEET NUMBER:

C117





5200 State Highway 121  
Colleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874

**QuikTrip No. 1873**  
J.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TX



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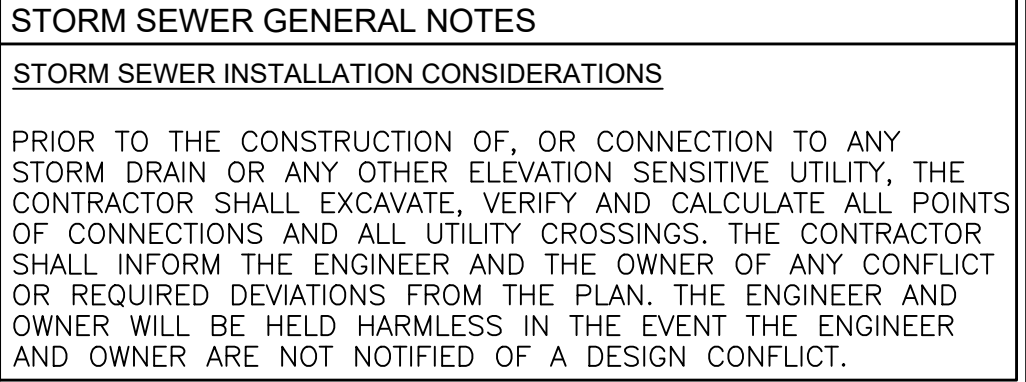
SHEET TITLE:

STORM SEWER PLAN NORTH

SHEET NUMBER:

C120





5200 State Highway 121  
Colleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874

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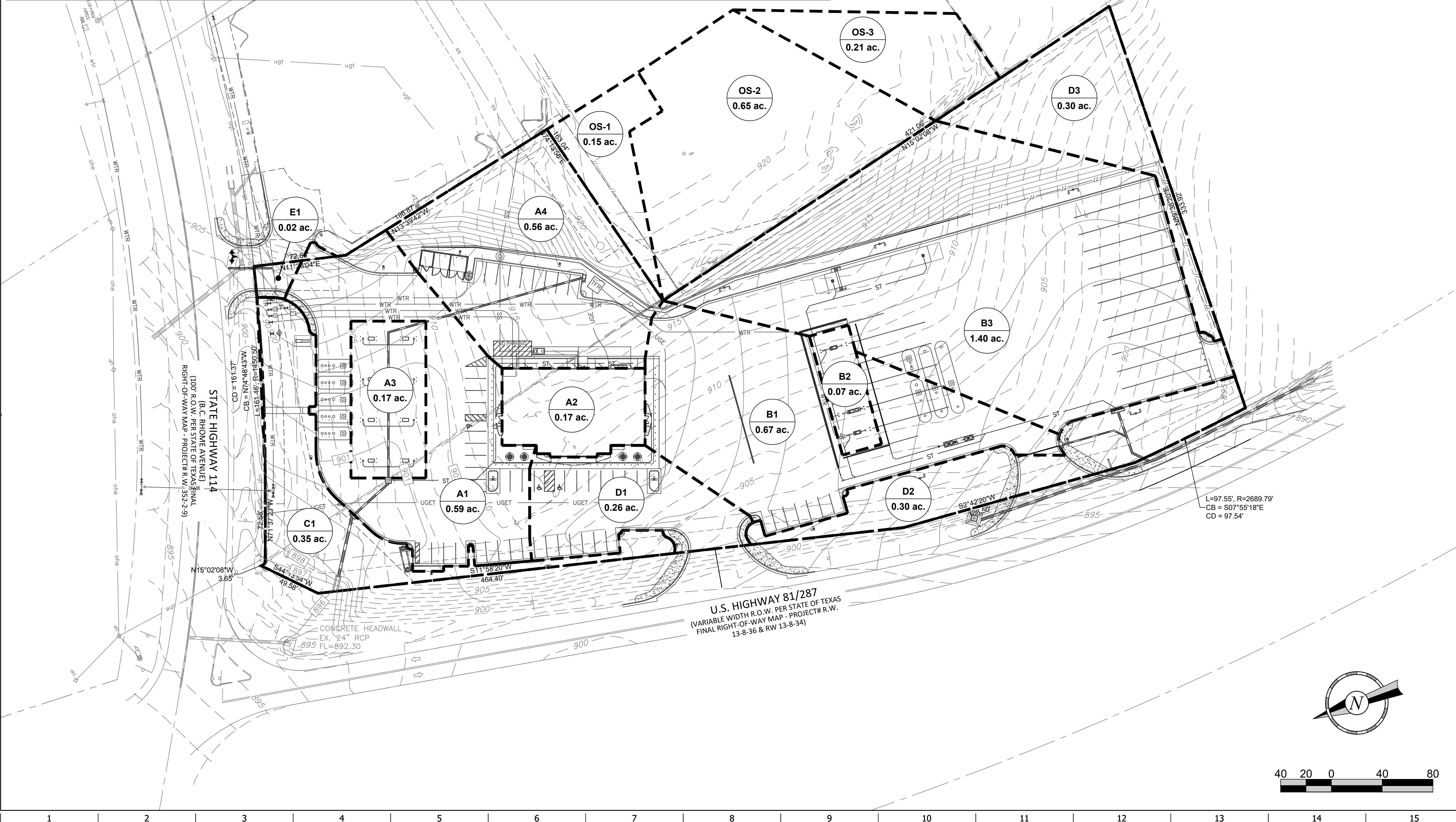
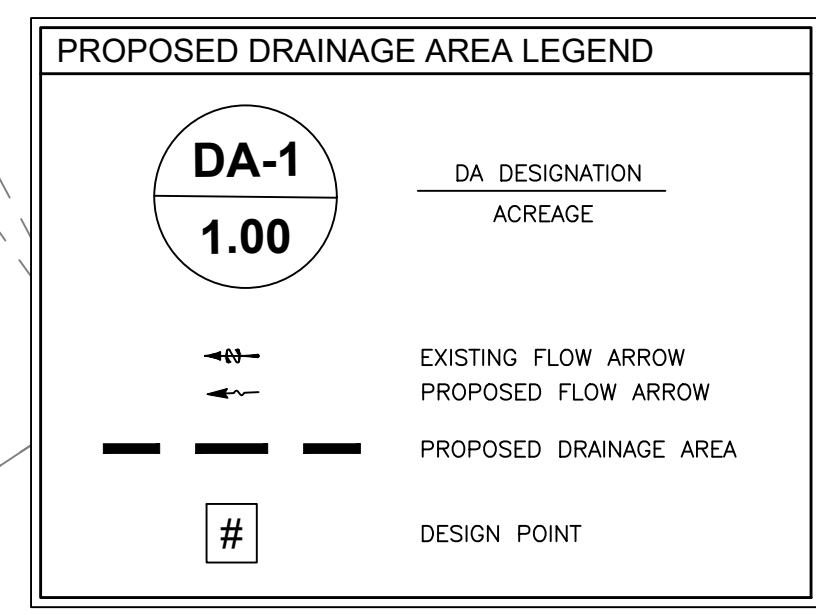
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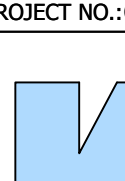
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DRAINAGE AREA CALCULATIONS (PROPOSED)													
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A1	0.59	0.88	0.52	10.0	4.61	2.39	5.67	2.94	7.49	3.89	9.23	4.79	Sheet Flow to Inlet #1 to TxDOT System North of Property
A2	0.17	0.90	0.15	10.0	4.61	0.70	5.67	0.87	7.49	1.15	9.23	1.41	Roof Drains to SD-A to TxDOT System North of Property
A3	0.17	0.90	0.15	10.0	4.61	0.70	5.67	0.87	7.49	1.15	9.23	1.41	Canopy Drains to SD-A to TxDOT System North of Property
A4	0.56	0.55	0.31	10.0	4.61	1.43	5.67	1.76	7.49	2.32	9.23	2.86	Sheet Flow to Inlet #2 to TxDOT System North of Property
B1	0.67	0.90	0.60	10.0	4.61	2.78	5.67	3.42	7.49	4.52	9.23	5.56	Sheet Flow to Inlet #3 to TxDOT System South of Property
B2	0.07	0.90	0.06	10.0	4.61	0.29	5.67	0.36	7.49	0.47	9.23	0.58	Canopy Drains to SD-B to TxDOT System South of Property
B3	1.40	0.77	1.08	10.0	4.61	4.98	5.67	6.13	7.49	8.10	9.23	9.97	Sheet Flow to Inlet #4 to TxDOT System South of Property
C1	0.35	0.30	0.11	10.0	4.61	0.48	5.67	0.60	7.49	0.79	9.23	0.97	Sheet Flow to TxDOT System North of Property
D1	0.26	0.90	0.23	10.0	4.61	1.08	5.67	1.33	7.49	1.75	9.23	2.16	Sheet Flow to TxDOT Frontage Road to TxDOT System South of Property
D2	0.30	0.41	0.12	10.0	4.61	0.57	5.67	0.70	7.49	0.93	9.23	1.14	Sheet Flow to TxDOT Frontage Road to TxDOT System South of Property
D3	0.30	0.30	0.09	10.0	4.61	0.41	5.67	0.51	7.49	0.67	9.23	0.83	Sheet Flow to TxDOT System South of Property
E1	0.02	0.90	0.02	10.0	4.61	0.08	5.67	0.10	7.49	0.13	9.23	0.17	Sheet Flow to Rhome Avenue
OS-1	0.15	0.30	0.05	10.0	4.61	0.21	5.67	0.26	7.49	0.34	9.23	0.42	Sheet Flow to Inlet #2 to TxDOT System North of Property
OS-2	0.65	0.30	0.20	10.0	4.61	0.90	5.67	1.11	7.49	1.46	9.23	1.80	Sheet Flow to Inlet #4 to TxDOT System South of Property
OS-3	0.21	0.30	0.06	10.0	4.61	0.29	5.67	0.36	7.49	0.47	9.23	0.58	Sheet Flow to TxDOT System South of Property



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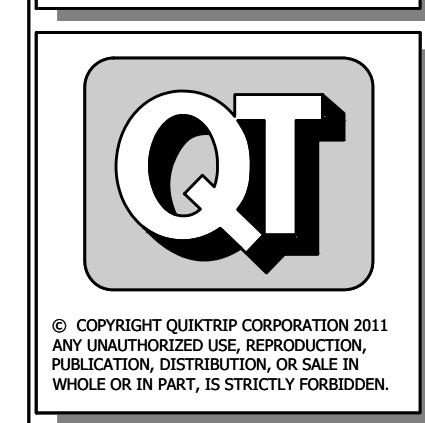
JONATHAN E. SCHINDLER  
P.E.# 108864  
DATE: July 25, 2022

PROJECT NO.: QT20005\_1873

  
The logo features a large, stylized 'KE' in blue and grey, with 'kirkman' in blue lowercase letters and 'ENGINEERING' in grey uppercase letters below it.

5200 State Highway 121  
Coleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874

**QuikTrip No. 1873**  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TX



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VERSION: 001
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[illegible]

SHEET TITLE:
POST-DEVELOPED DRAINAGE MAP

SHEET NUMBER:  
C124




[illegible]

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DATE: July 25, 2022

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PROJECT NO.: QT20005\_1873

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**kirkman**  
ENGINEERING

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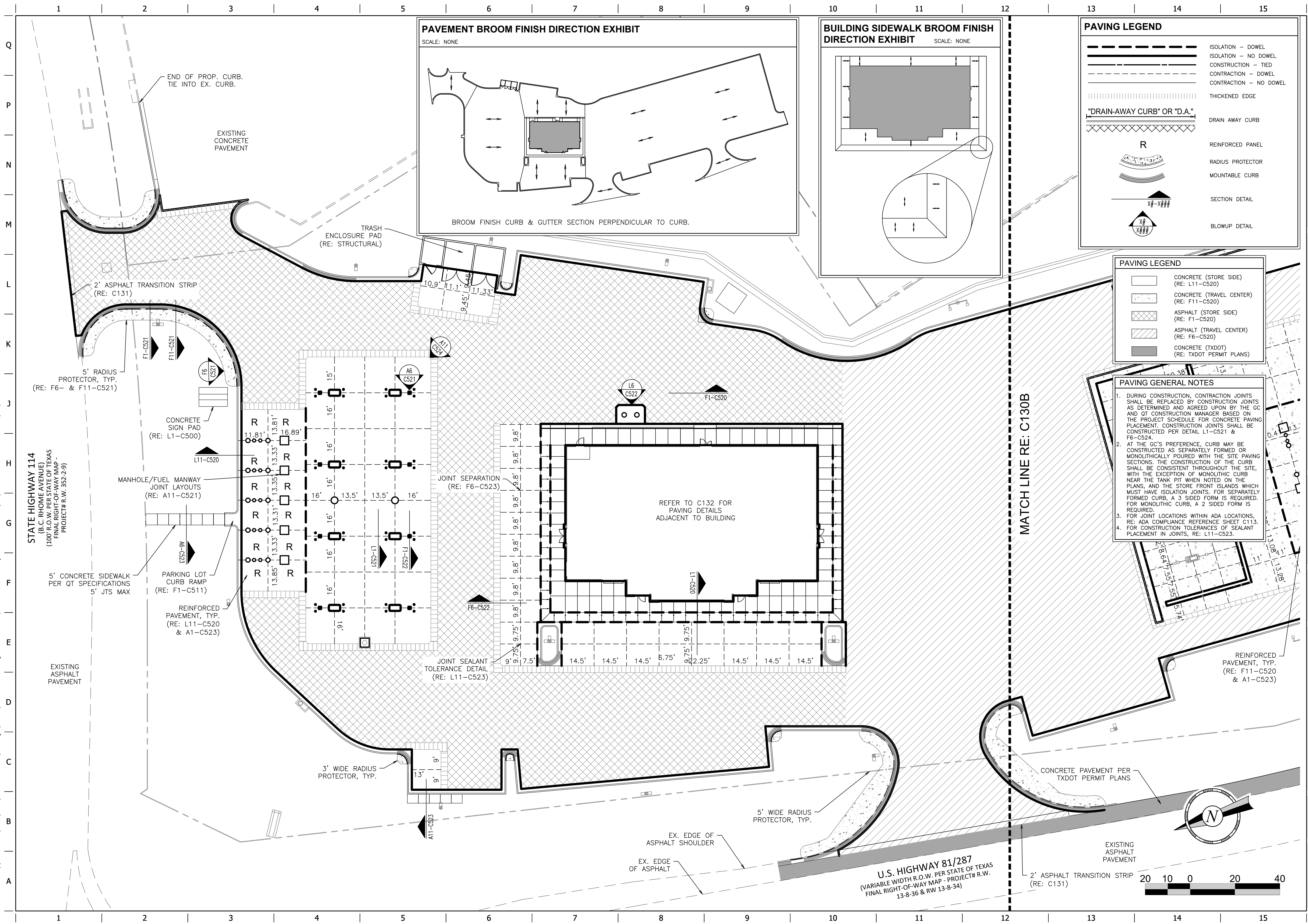
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DIVISION:
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SHEET TITLE:
HYDRAULIC CALCULATIONS

SHEET NUMBER:  
C125





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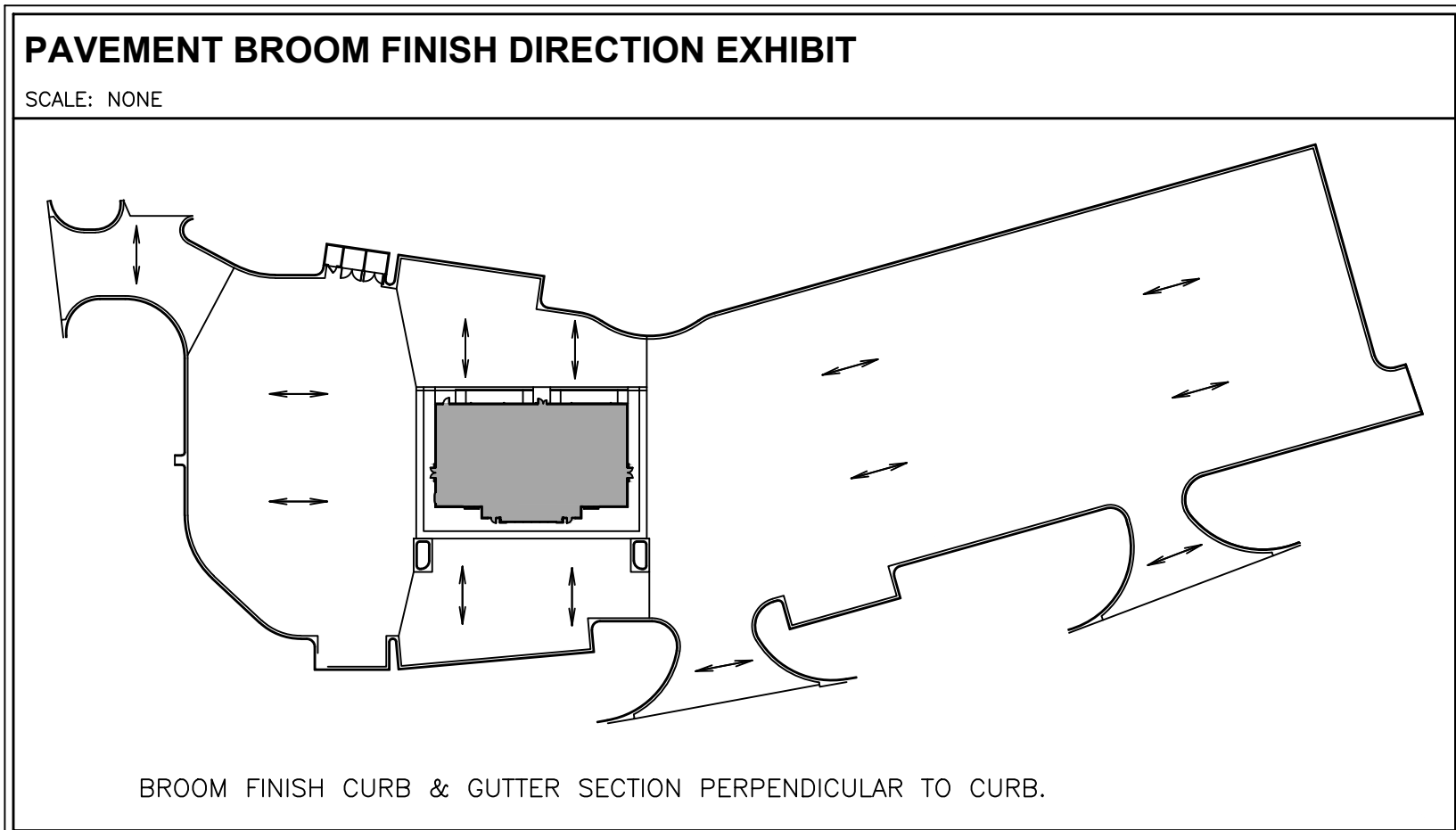
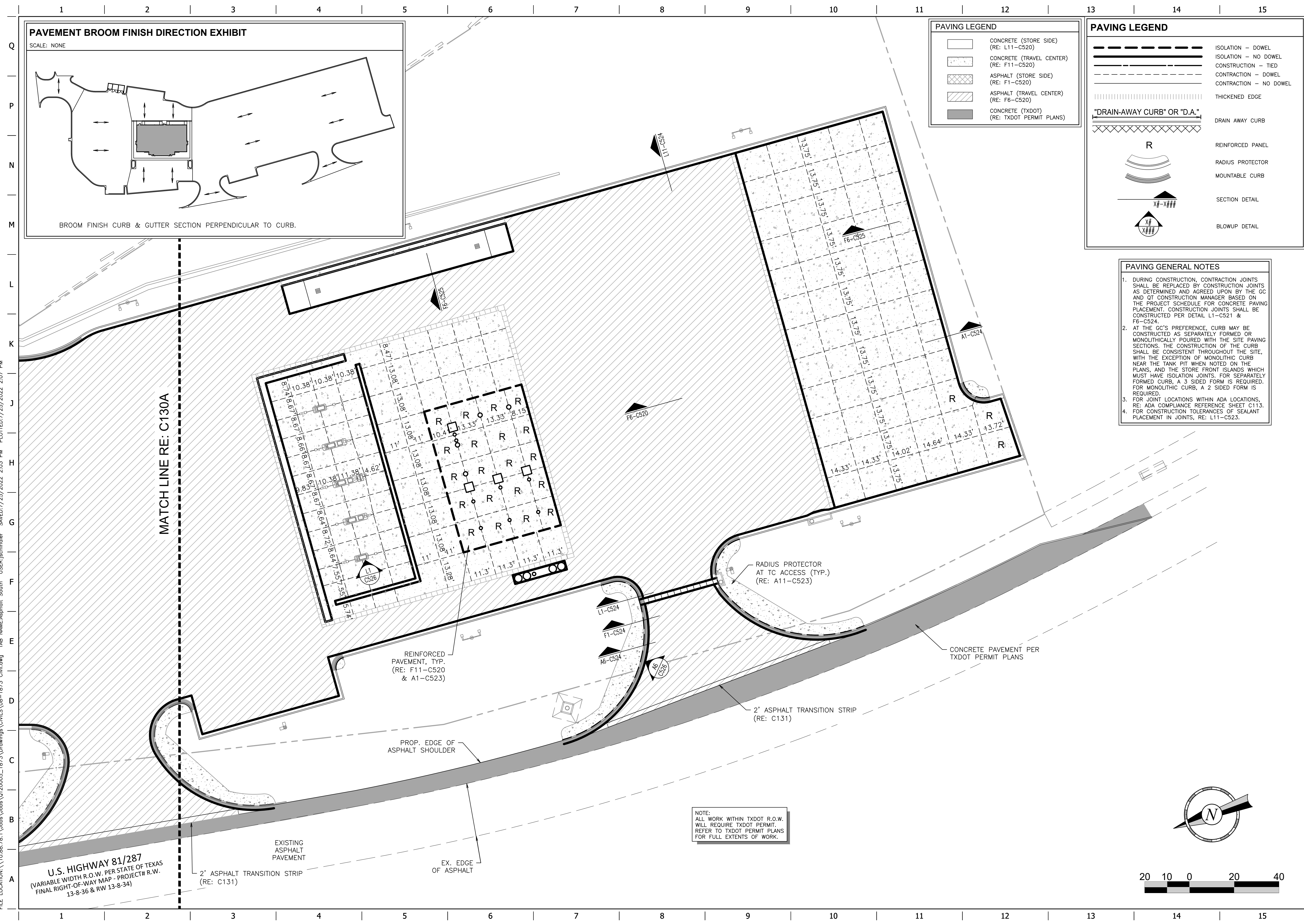
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




ASPHALT PAVING PLAN  
NORTH

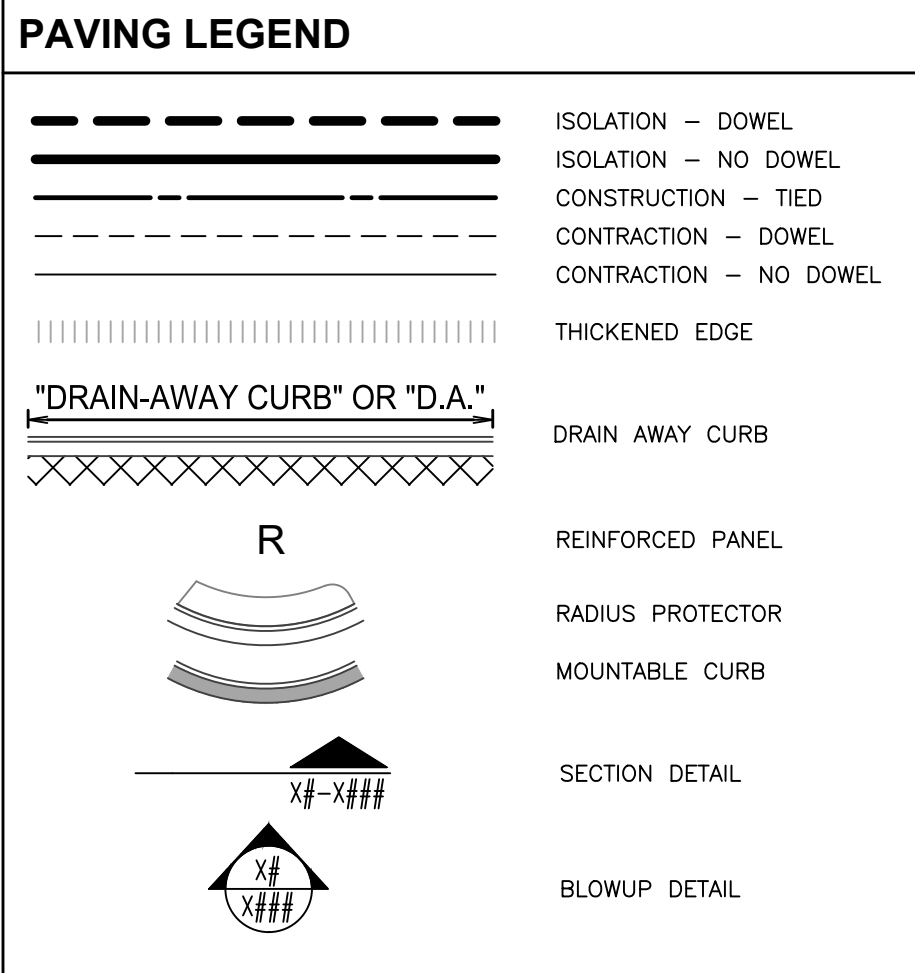
SHEET NUMBER:

C130A






PAVING LEGEND	
	CONCRETE (STORE SIDE) (RE: L11-C520)
	CONCRETE (TRAVEL CENTER) (RE: F11-C520)
	ASPHALT (STORE SIDE) (RE: F1-C520)
	ASPHALT (TRAVEL CENTER) (RE: F6-C520)
	CONCRETE (TXDOT) (RE: TXDOT PERMIT PLANS)



- | PAVING GENERAL NOTES |  |
|----------------------|--|
| 1.                   | DURING CONSTRUCTION, CONTRACTION JOINTS SHALL BE REPLACED BY CONSTRUCTION JOINTS AS DETERMINED AND APPROVED BY THE GC AND Q1 CONSTRUCTION MANAGER BASED ON THE PROJECT SCHEDULE FOR CONCRETE PAVING. PLANT-CONSTRUCTION JOINTS SHALL BE PLACED IN CONSTRUCTION PER DETAIL L1-C521 & F6-C524.   |
| 2.                   | AT THE GC'S PREFERENCE, CURB MAY BE CONTRACTED AS SEPARATE FROM ISLANDS OR CONSTRUCTIONALLY JOINTED WITH THE PAVING SECTIONS. THE CONSTRUCTION OF THE CURB SHALL BE CONSISTENT THROUGHOUT THE SITE, EXCEPT WHERE NOTED OTHERWISE. CURB NEAR THE TANK PIT WHEN NOTED ON THE PLANS, AND THE STORE FRONT ISLANDS WHICH MUST HAVE ISOLATION JOINTS FOR SEPARATELY FORMED CURB, A 3 SIDED FORM IS REQUIRED FOR MONOLITHIC CURB, A 2 SIDED FORM IS REQUIRED. |
| 3.                   | FOR JOINT LOCATIONS WITHIN ADA LOCATIONS, SEE COMPLIANCE REFERENCE SHEET C113.   |
| 4.                   | FOR CONSTRUCTION TOLERANCES OF SEALANT PLACEMENT IN JOINTS, RE: L11-C523.  |

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JONATHAN E. SCHINDLER  
P.E.# 108864  
DATE: July 25, 2022

PROJECT NO.: QT20005_1873
---------------------------



**kirkman**  
ENGINEERING

5200 State Highway 121  
Colleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874

**QuikTrip No. 1873**  
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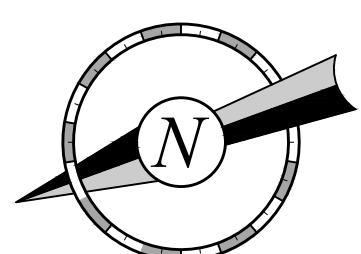
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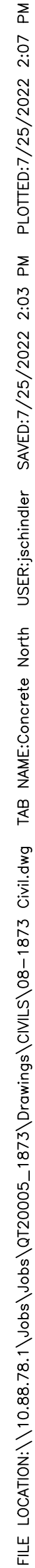
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SHEET TITLE:
ASPHALT PAVING PLAN SOUTH


SHEET NUMBER:  
C130B





















1. DURING CONSTRUCTION, CONSTRUCTION JOINTS SHALL BE REPLACED BY CONSTRUCTION JOINTS AS DETERMINED AND AGREED UPON BY THE GC AND QTO CONSTRUCTION MANAGER BASED ON THE PROJECT SCHEDULE FOR CONCRETE PAVING PLACEMENT. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER DETAIL L1-C521 & F6-C524.
2. FOR JOINT LOCATIONS WITHIN ADA LOCATIONS, RE: ADA COMPLIANCE REFERENCE SHEET C113.
3. FOR CONSTRUCTION TOLERANCES OF SEALANT PLACEMENT IN JOINTS, RE: L11-C523.

 CONCRETE (STORE SIDE)  
 (RE: L11-C520)

 CONCRETE (TRAVEL CENTER)  
 (RE: F11-C520)

 CONCRETE (TXDOT)  
 (RE: TXDOT PERMIT PLANS)

BROOM FINISH CURB & GUTTER SECTION PERPENDICULAR TO CURB.

	ISOLATION – DOWEL
	ISOLATION – NO DOWEL
	CONSTRUCTION – TIED
	CONSTRUCTION – DOWEL
	CONSTRUCTION – NO DOWEL
	THICKENED EDGE
	DRAIN AWAY CURB
	REINFORCED PANEL
	RADIUS PROTECTOR
	MOUNTABLE CURB
	SECTION DETAIL
	BLOWUP DETAIL

The logo for Kirkman Engineering, featuring a stylized 'K' and 'E' in blue and grey, with the text 'kirkman ENGINEERING' below it.

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[illegible]

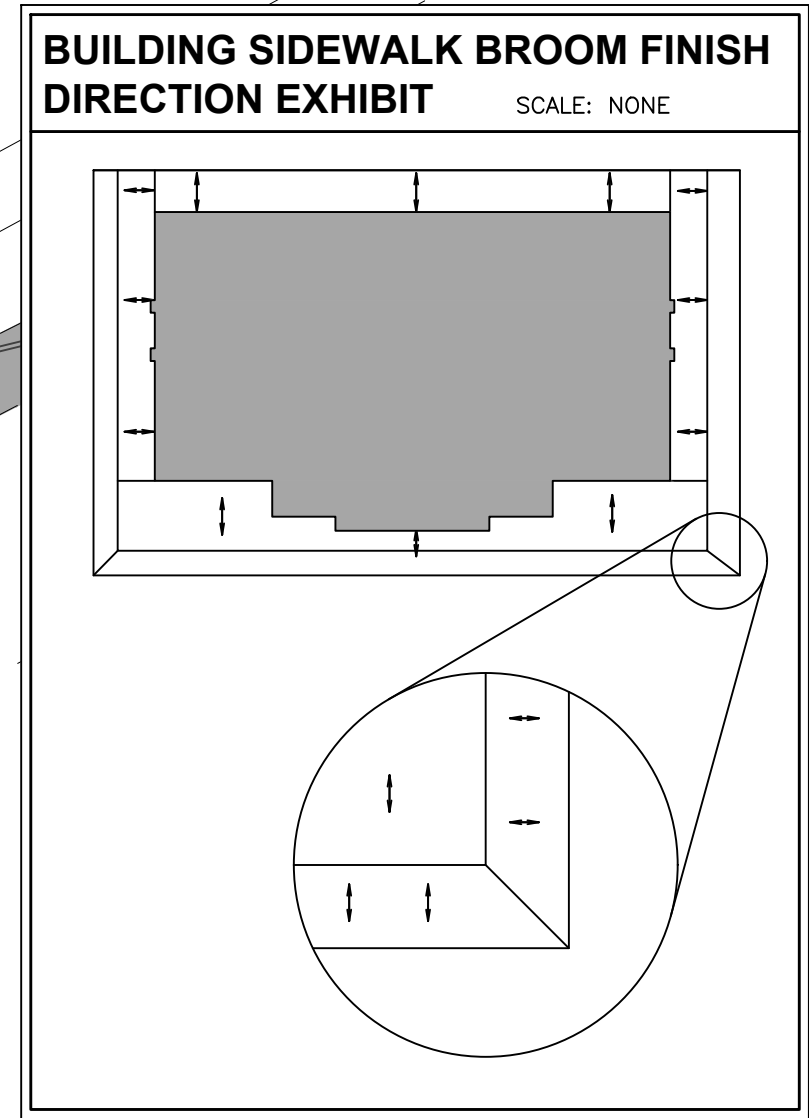
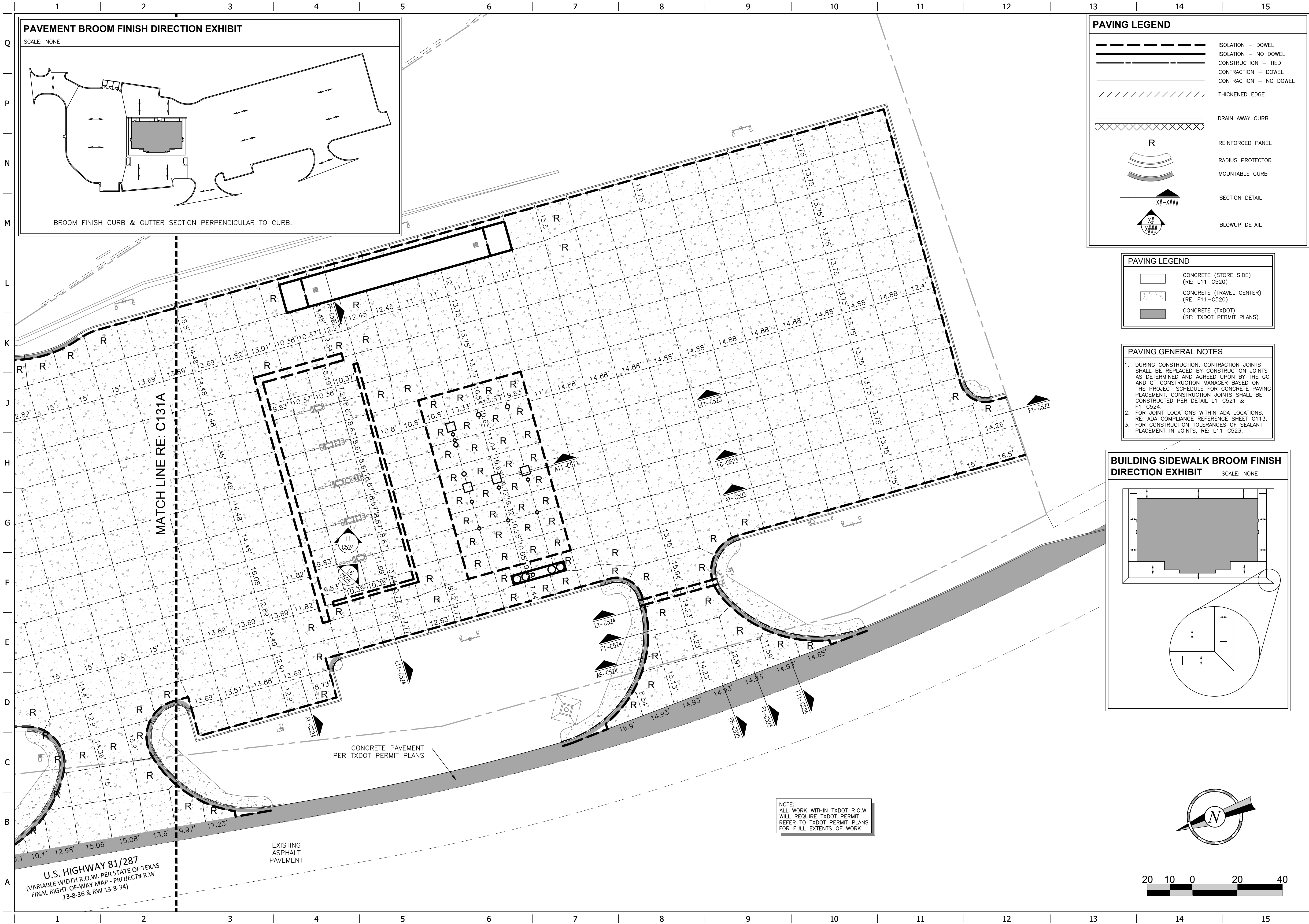
SHEET TITLE:

CONCRETE PAVING PLAN  
NORTH

SHEET NUMBER:

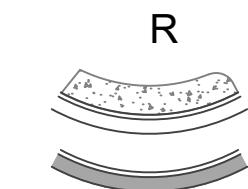
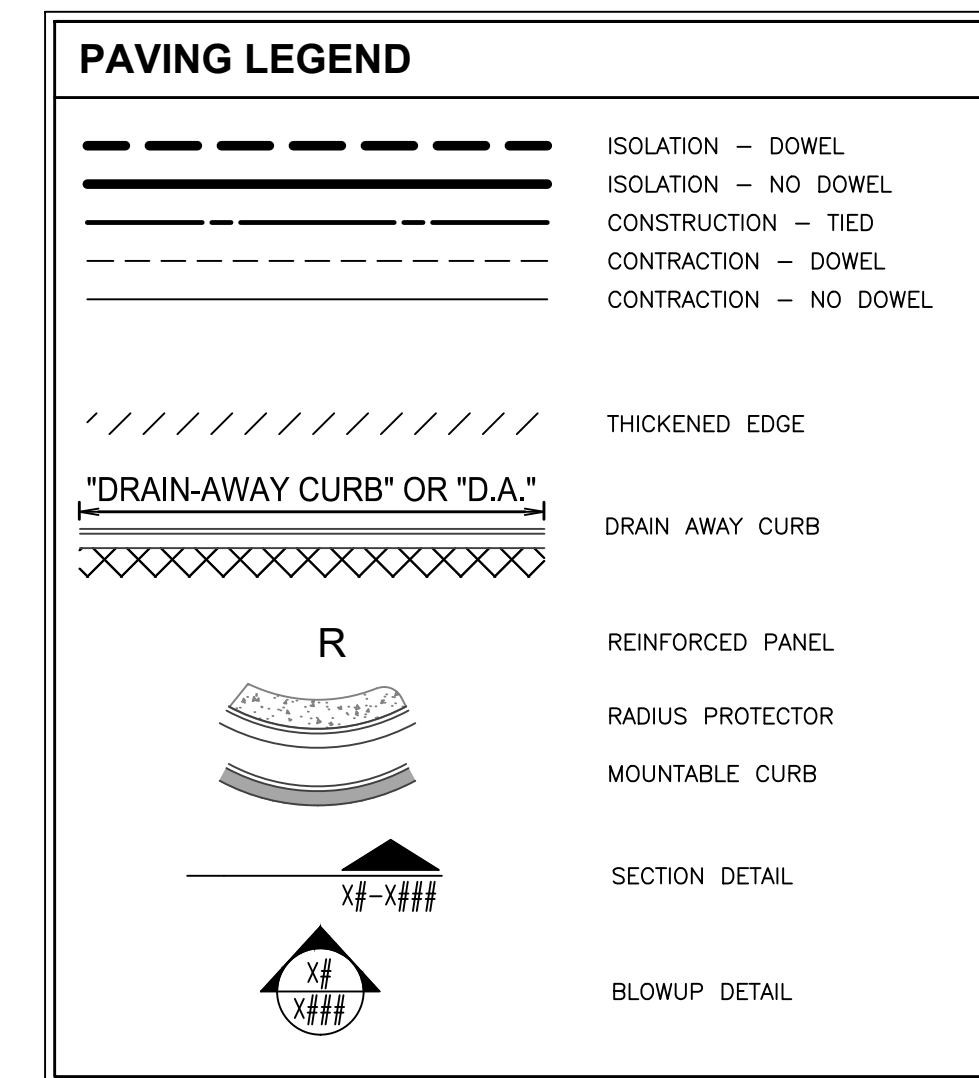
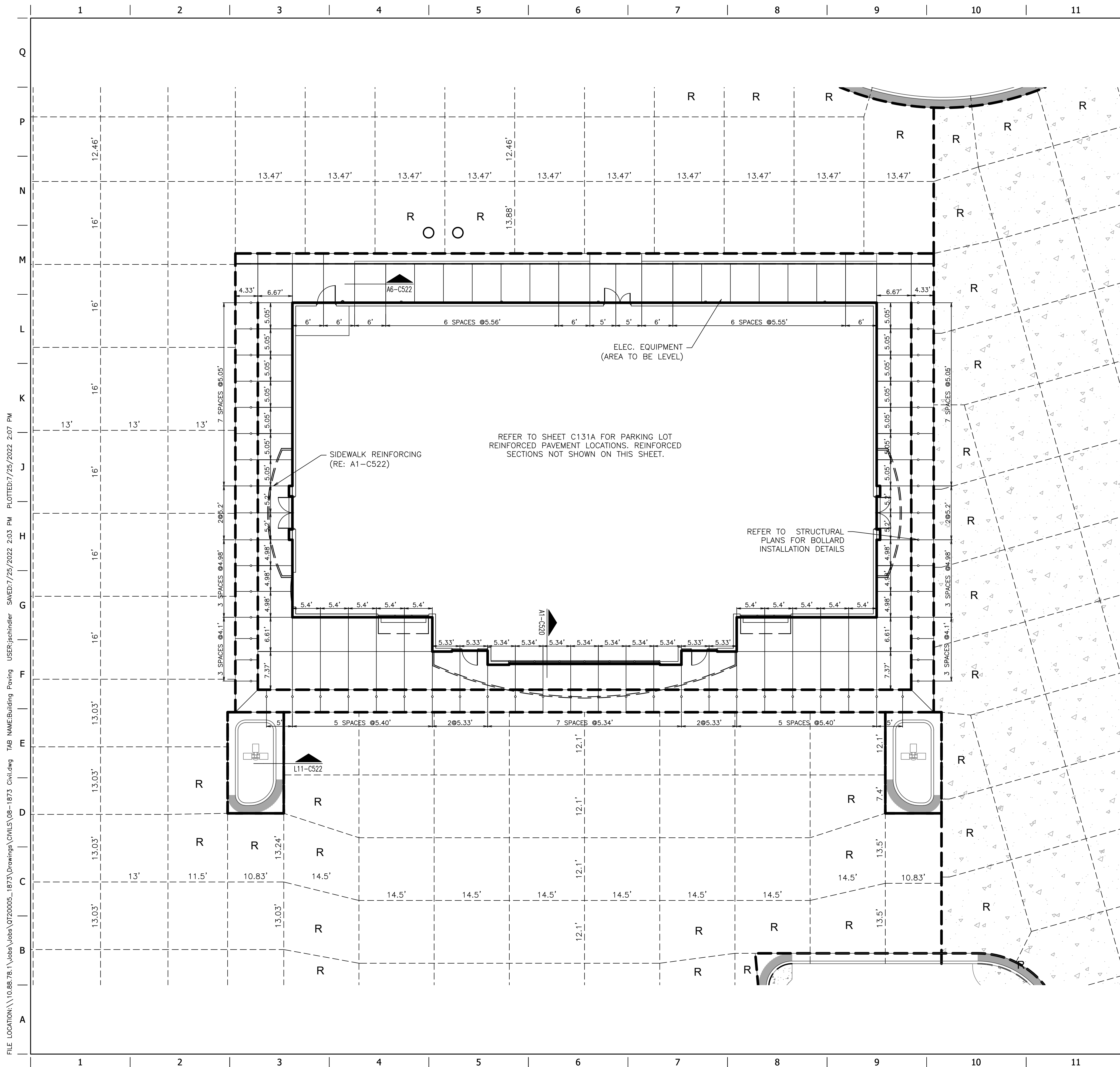
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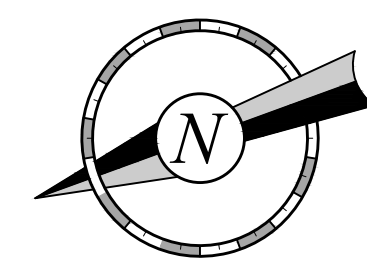
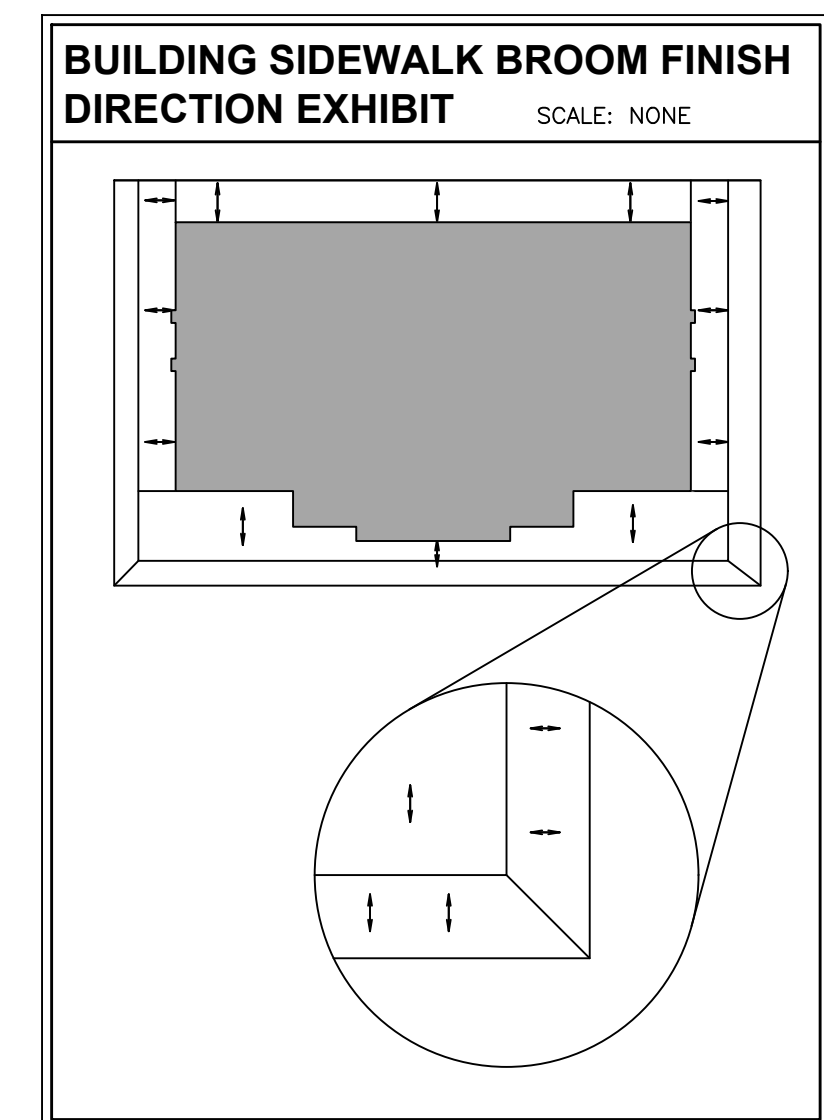


SHEET NUMBER:
C131B





- | PAVING GENERAL NOTES |   |
|----------------------|---|
| 1.                   | DURING CONSTRUCTION, CONTRACTION JOINTS SHALL BE REPLACED BY CONSTRUCTION JOINTS AS DETERMINED AND AGREED UPON BY THE GC AND OT CONSTRUCTION MANAGER BASED ON THE PROJECT SCHEDULE FOR CONCRETE PAVING PLACEMENT. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER DETAIL L11-C521 & F1-C524. |
| 2.                   | FOR JOINT LOCATIONS WITHIN ADA SHEETS, RE: ADA COMPLIANCE REFERENCE SHEET C113.   |
| 3.                   | FOR CONSTRUCTION TOLERANCES OF SEALANT PLACEMENT IN JOINTS, RE: L11-C523.   |



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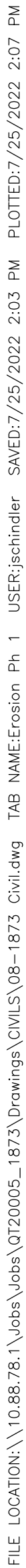
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BUILDING PAVING PLAN

SHEET NUMBER:

C132

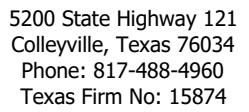




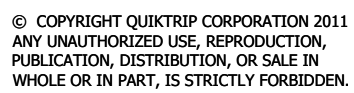
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IMPERVIOUS AREA	±0.37 ACRES
LANDSCAPE AREA	±5.50 ACRES
TOTAL DISTURBED	±5.87 ACRES

SITE OPERATOR/GENERAL CONTRACTOR:  
TBD

PROJECT NO.:QT20005\_1873

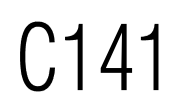


QuikTrip No. 1873

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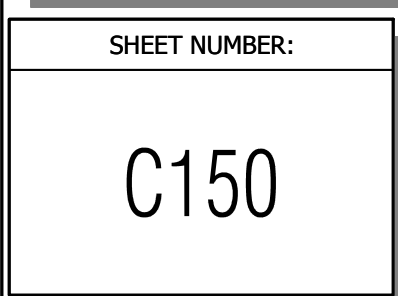
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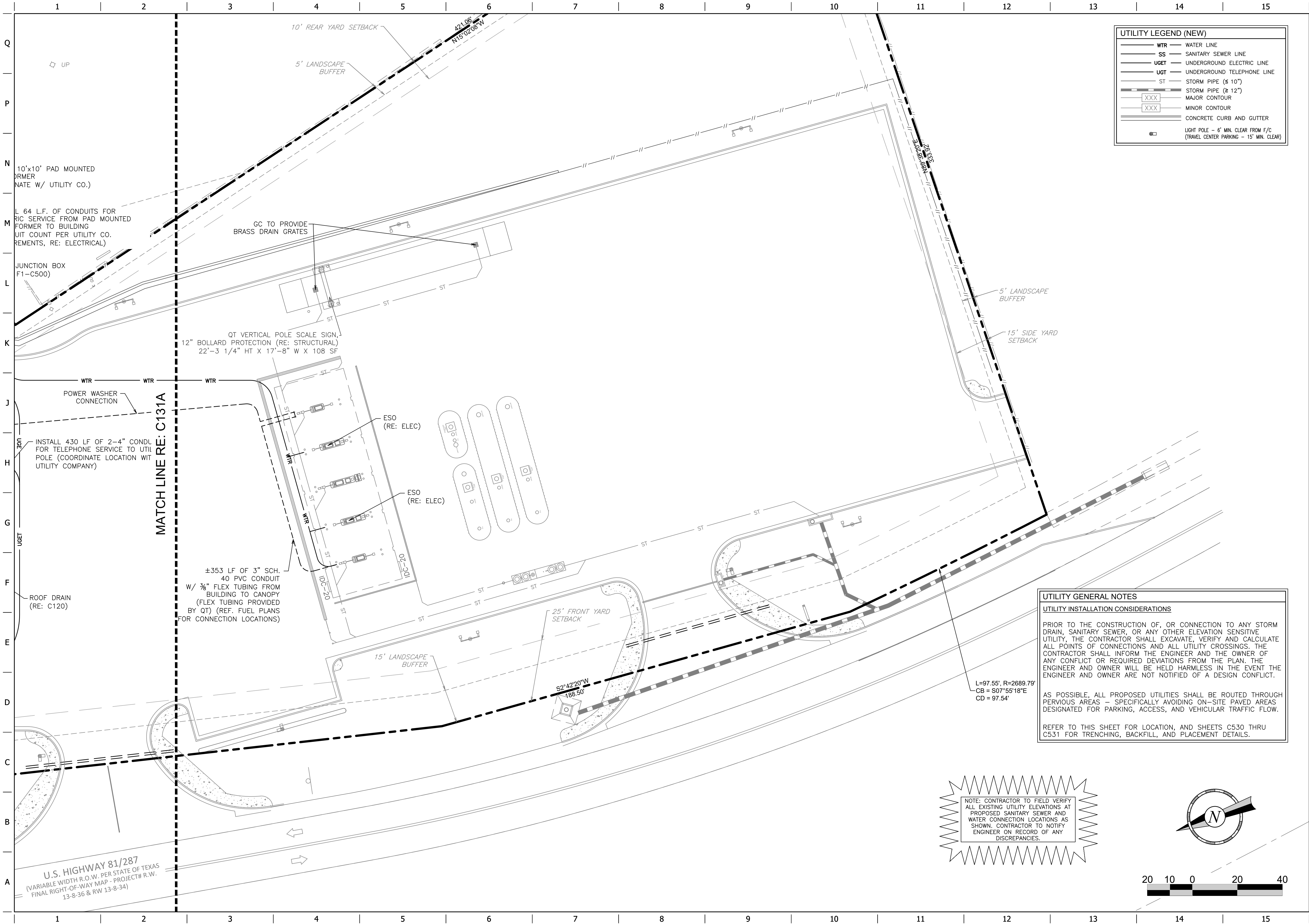


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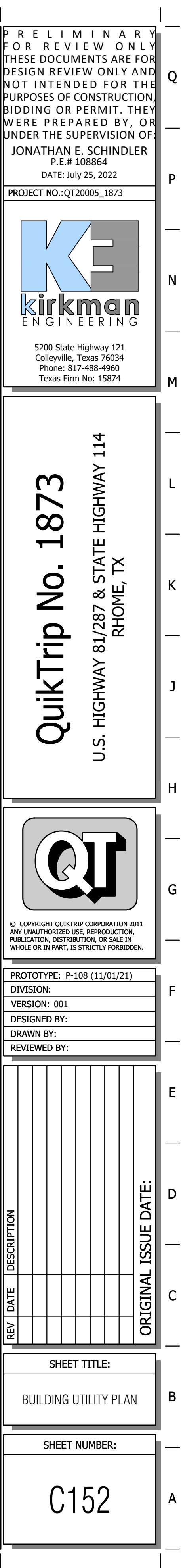






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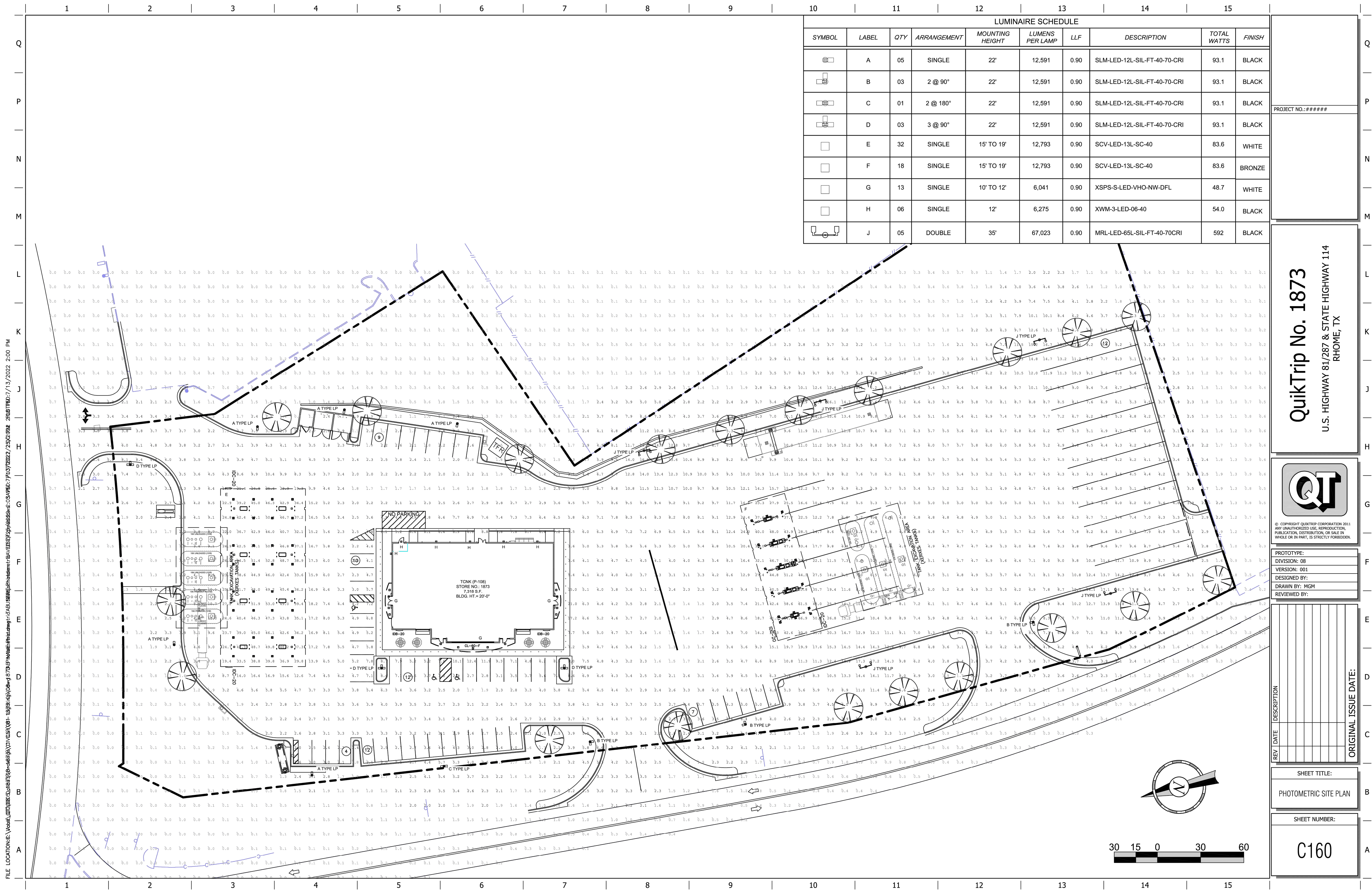


















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PLOTTED: 7/25/2022 2:08 PM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	<div>PRELIMINARY FOR REVIEW ONLY THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND NOT INTENDED FOR THE PURPOSES OF CONSTRUCTION, BIDDING OR PERMIT. THEY WERE PREPARED BY, OR UNDER THE SUPERVISION OF, JONATHAN E. SCHINDLER P.E.# 108864 DATE: July 25, 2022 PROJECT NO.:QT20005_1873</div> <div><div><div>K</div><div>kirkman</div><div>ENGINEERING</div></div><div>5200 State Highway 121 Colleyville, Texas 76034 Phone: 817-488-4960 Texas Firm No: 15874</div></div>				
																<div>QuikTrip No. 1873</div> <div>U.S. HIGHWAY 81/287 &amp; STATE HIGHWAY 114 RHOME, TX</div>				
L	L1	NOT USED				L6	NOT USED				L11	NOT USED								
	NTS	SN:				NTS	SN:				NTS	SN:								
K	<div>1. FIRE LANE MARKING 6" WIDE, RED PAINTED STRIPE WITH 4" HIGH WHITE LETTERS 2. PROVIDE CERTIFIED TEST REPORTS FROM SAMPLING AND TESTING PRIOR TO USE OF PAINT MATERIALS AT THE JOBSITE. 3. APPLY PAINT TO CLEAN, DRY SURFACES, ONLY WHEN THE AIR AND SURFACE TEMPERATURE IS BETWEEN 50°F–95°F. 4. ALLOW NEW PAVEMENT SURFACES TO CURE FOR A PERIOD OF NOT LESS THAN 30 DAYS BEFORE APPLICATION OF MARKING MATERIALS. 5. UTILIZE SUITABLE WARNING SIGNS AND TRAFFIC CONTROL AS NECESSARY TO ACCOMPLISH AND PROTECT WORK.</div>					<div>FIRE LANE STRIPING TO BE 6" WIDE RED PAINT WITH "NO PARKING FIRE LANE" IN 4" TALL WHITE LETTERS. WORDING MAY NOT BE SPACED GREATER THAN 10' APART. STRIPING TO BE PAINTED ON THE FACE OF CURB WHEN PRESENT AND PAINTED FLAT ON THE PARKING SURFACE WHEN IT IS NOT.</div>														
J	<div><div>TOP OF CURB</div><div>4" HIGH WHITE LETTERING ON RED BACKGROUND (TYP)</div><div>6" RED BACKGROUND (TYP)</div><div>FIRE LANE - NO PARKING</div><div>FIRE LANE - NO PARKING</div><div>4" STRIPE (TYP)</div><div>10" MAX.</div></div>					<div><div>TOP OF CURB</div><div>6" GAP</div><div>10" MAX.</div><div>NO PARKING FIRE LANE</div><div>GUTTER</div></div>														
H																				
G																				
F	F1	FIRE LANE MARKING				F6	FIRE LANE MARKING - ALONG CURB				F11	NOT USED				<div>QT</div> <div>© COPYRIGHT QUIKTRIP CORPORATION 2011 ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.</div>				
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D																				
C																				
B																<div>SHEET TITLE:</div> <div>MISC. SITE DETAILS</div>				
A	A1	NOT USED					NOT USED				A11	NOT USED				<div>SHEET NUMBER:</div> <div>C501</div>				
	NTS	SN:				NTS	SN:				NTS	SN:								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15					



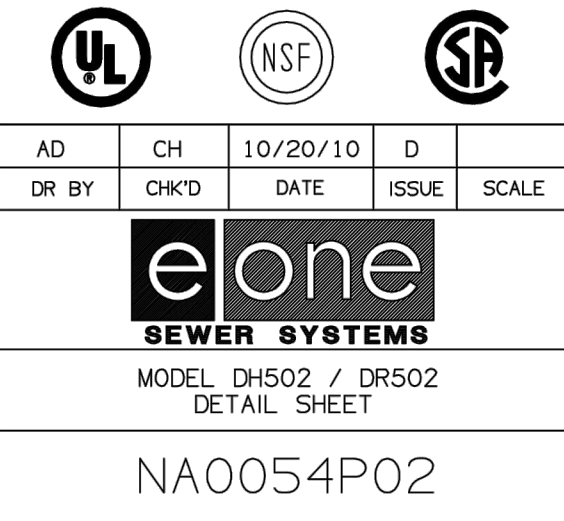


The Remote Sentry is ideal for installations where the alarm panel may be hidden from view.

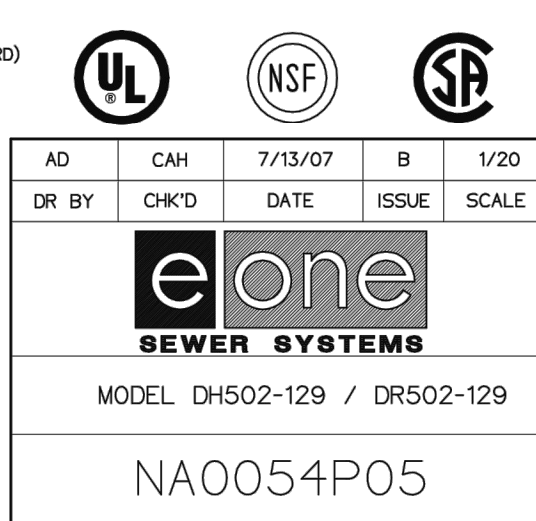
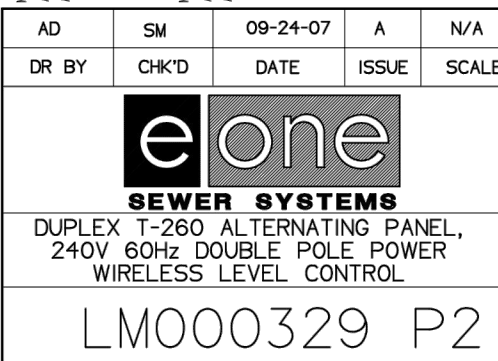


## LM000372 Rev A

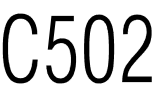
Consult factory for special applications



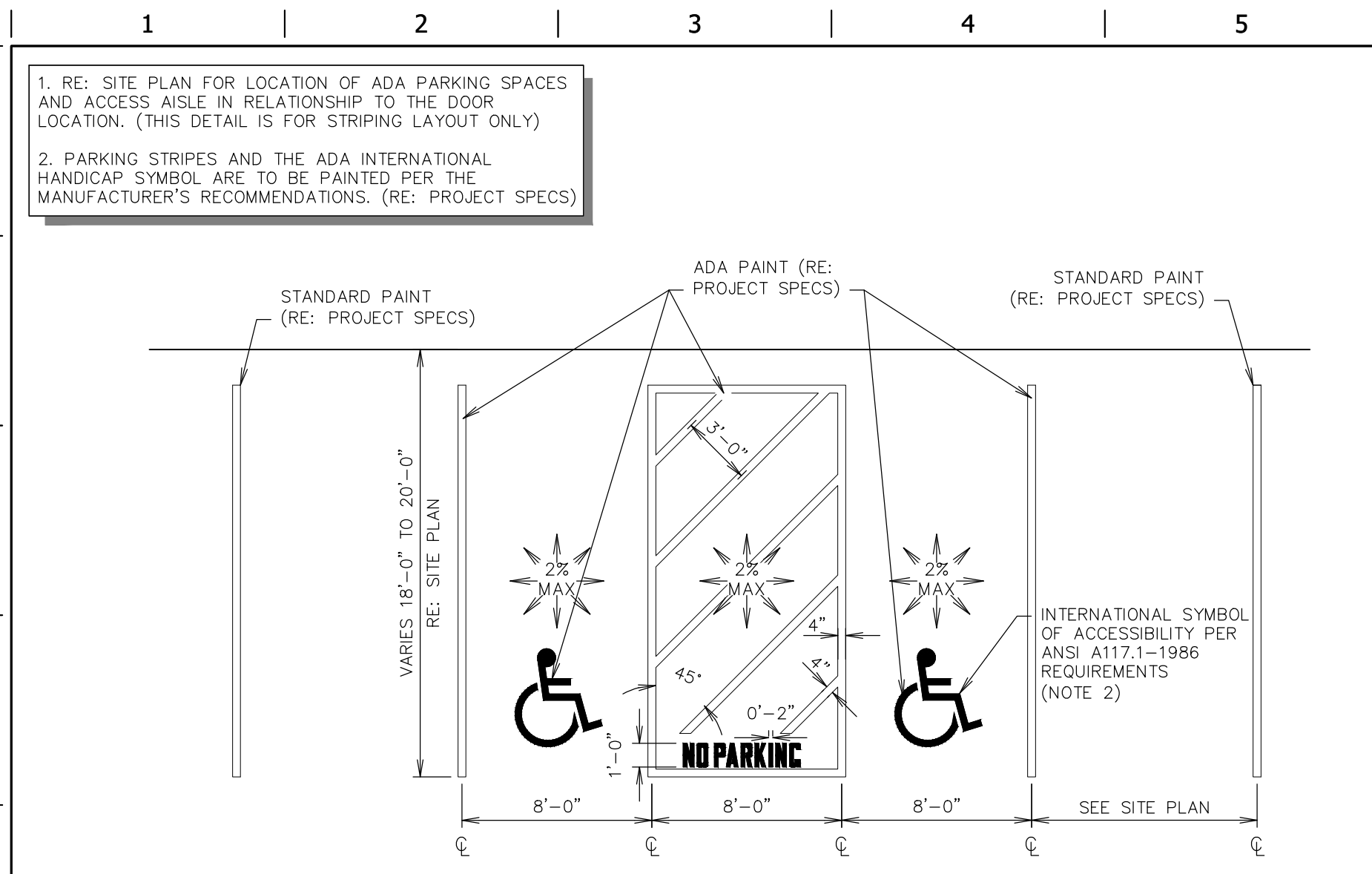
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# QuikTrip No. 1873

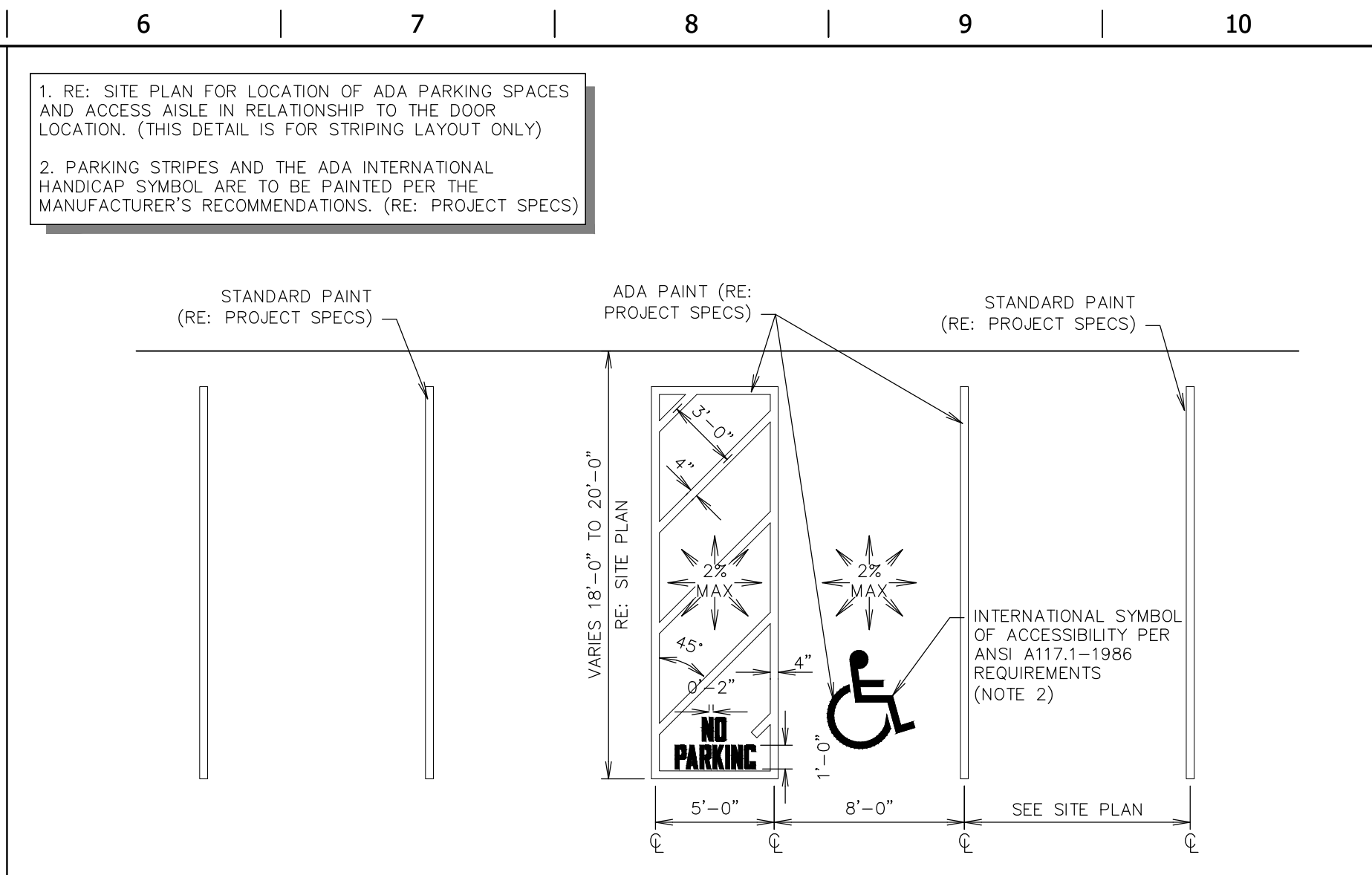






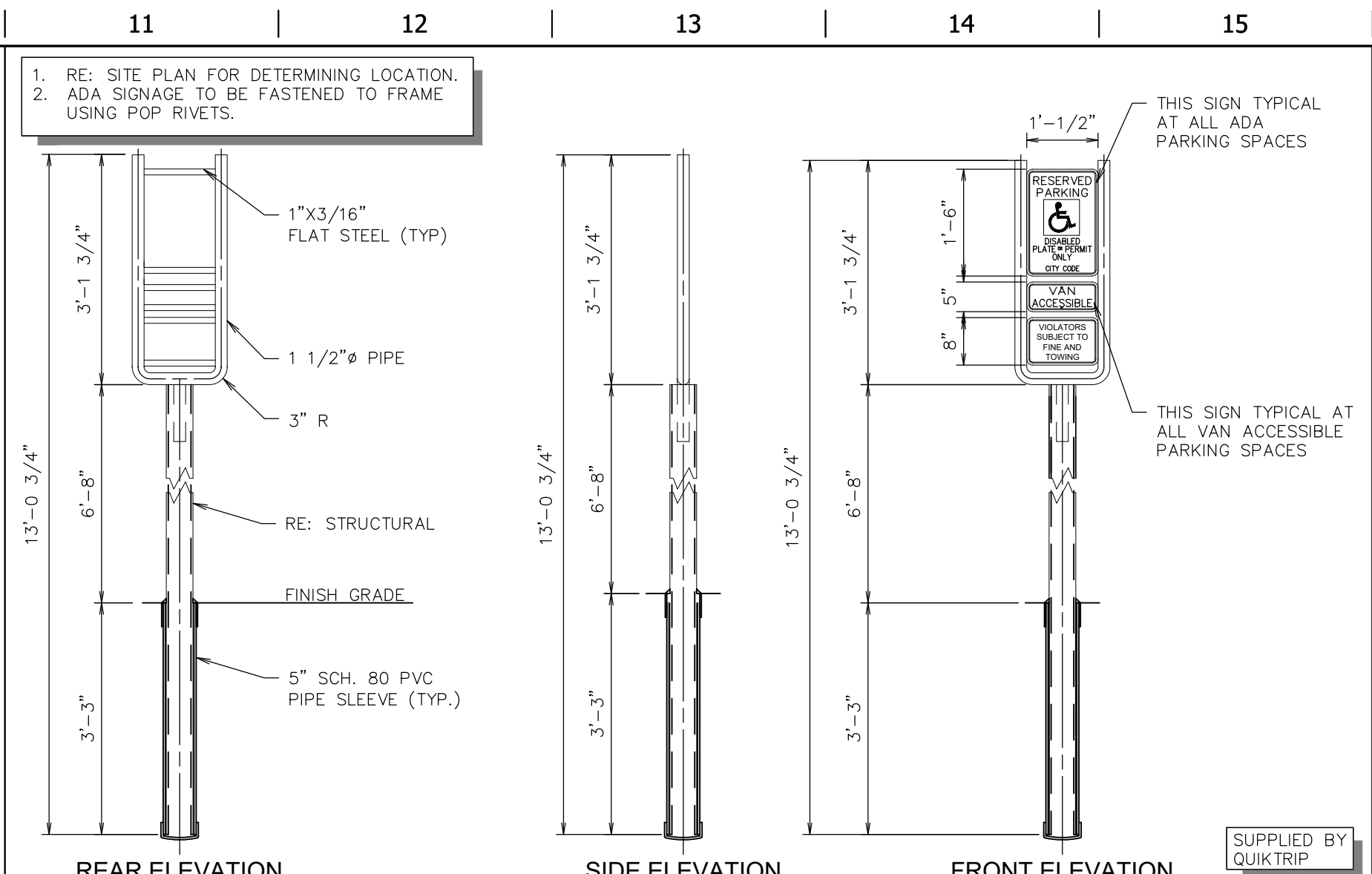
L1	DOUBLE STALL ADA PARKING STRIPING DETAIL (TEXAS)
----	--

NTS	SN: AD001D009
-----	---------------



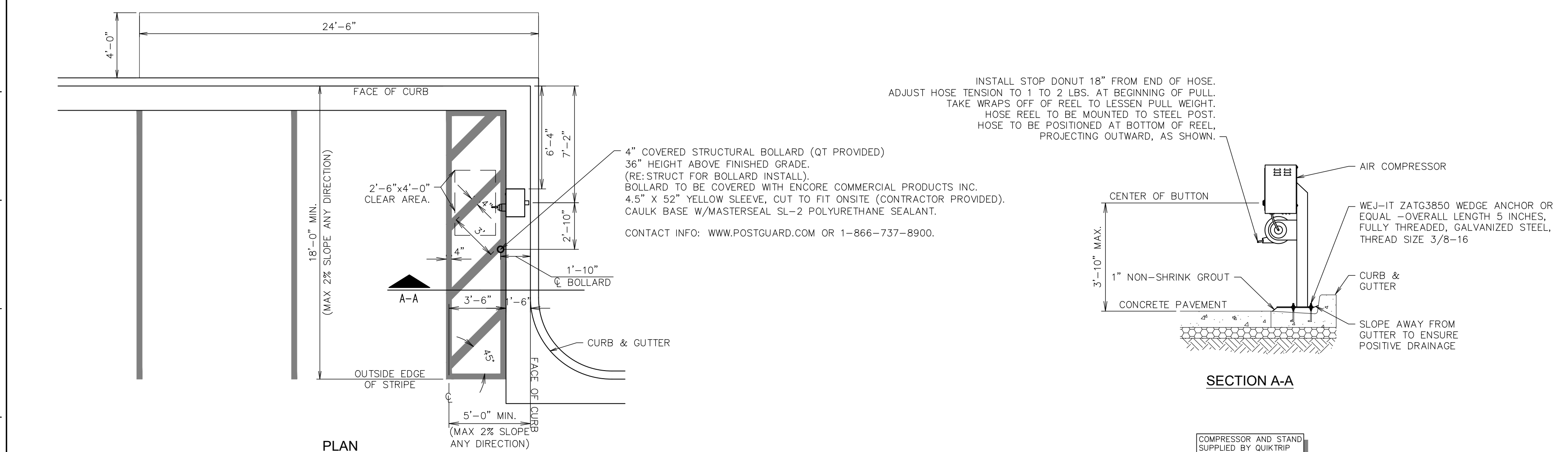
L6	SINGLE STALL ADA PARKING STRIPING DETAIL (TEXAS)
----	--

NTS	SN: AD002D009
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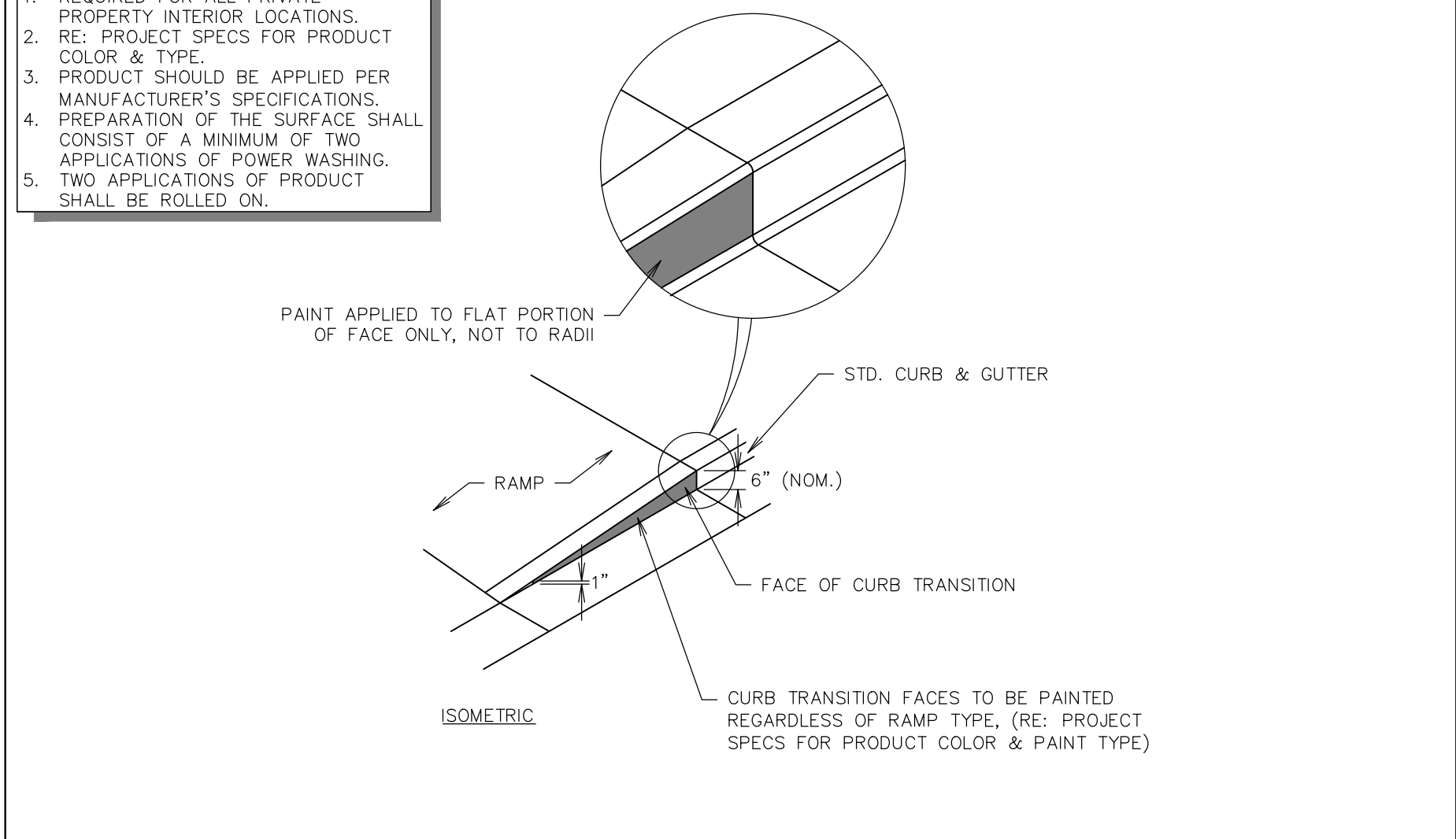
L11	ADA SIGN IN BOLLARD (TEXAS)
-----	-----------------------------

NTS	SN: AD003D0011
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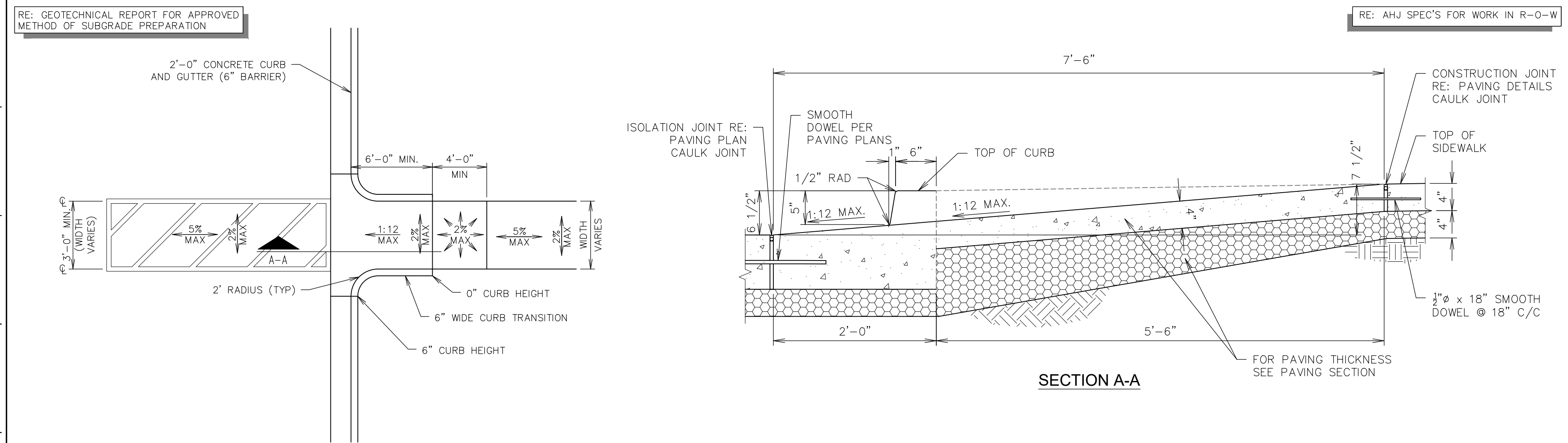
F1	AIR SERVICE INSTALL PLAN (RIGHT HAND INSTALL)
----	---

NTS	SN: AD004A014
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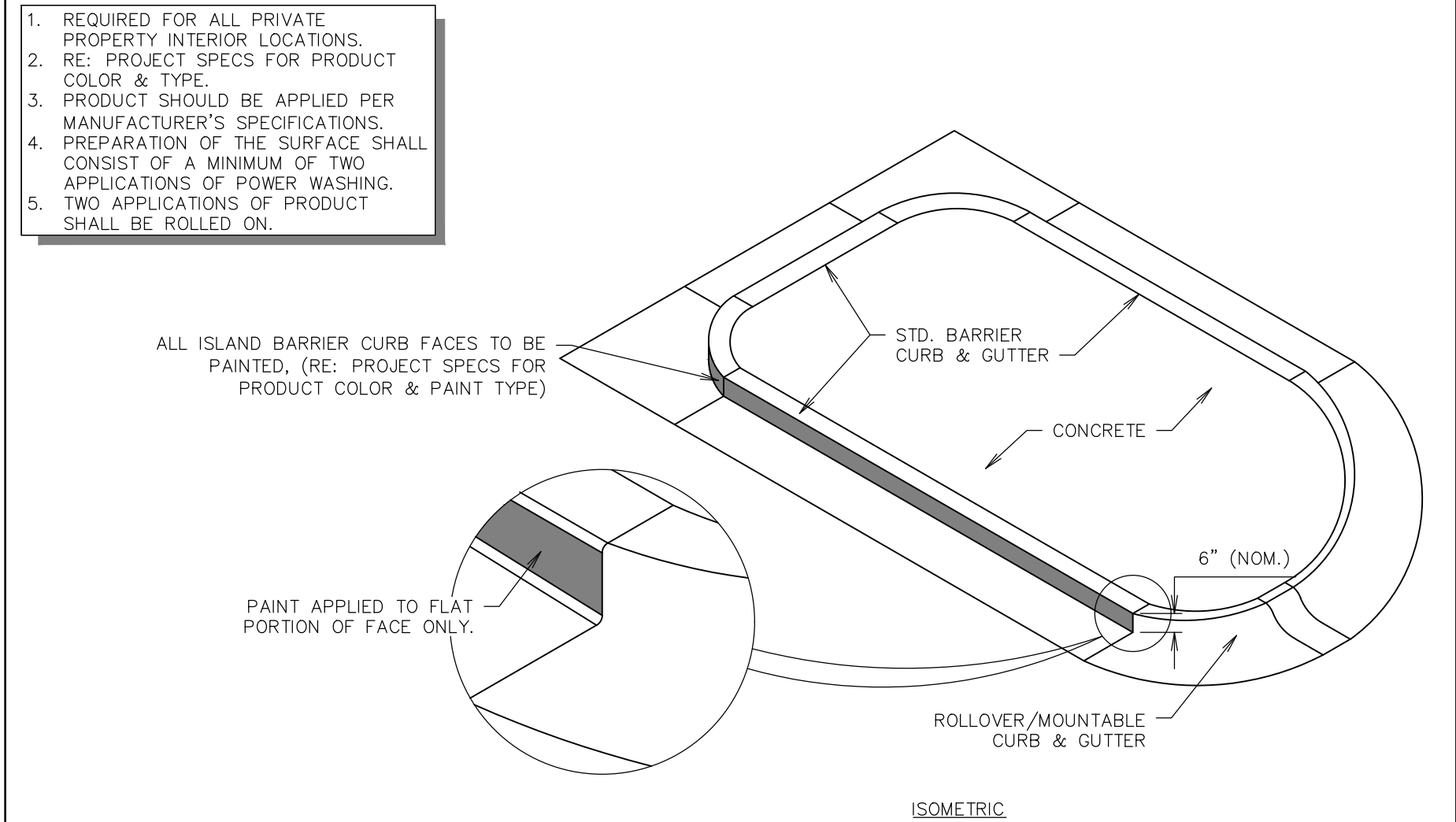
F11	RAMP - CURB TRANSITION PAINTING DETAIL
-----	--

NTS	SN: AD015A002
-----	---------------



A1	PARKING LOT CURB RAMP @ ADA CROSSING
----	--------------------------------------

NTS	SN: AD012A007
-----	---------------



A11	ISLAND - BARRIER CURB PAINTING DETAIL (NON-LANDSCAPED)
-----	--

NTS	SN: AD016A001
-----	---------------

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JONATHAN E. SCHINDLER

DATE: July 25, 2022

PROJECT NO.: QT20005 1873



5200 State Highway 121  
Colleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874

**QuikTrip No. 1873**  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
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DRAWN BY:

[illegible]

SHEET TITLE:

### ADA DETAILS

SHEET NUMBER

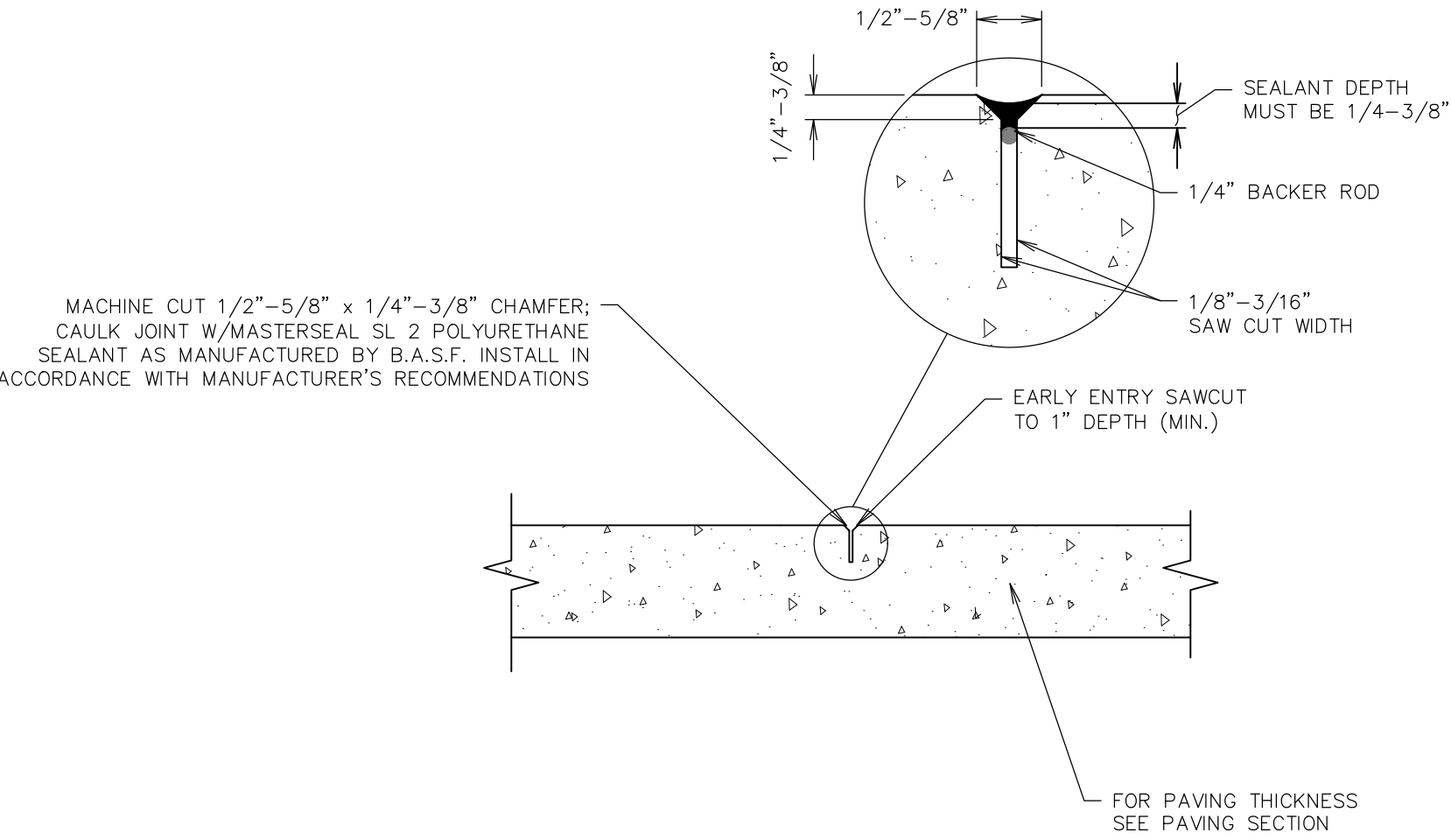
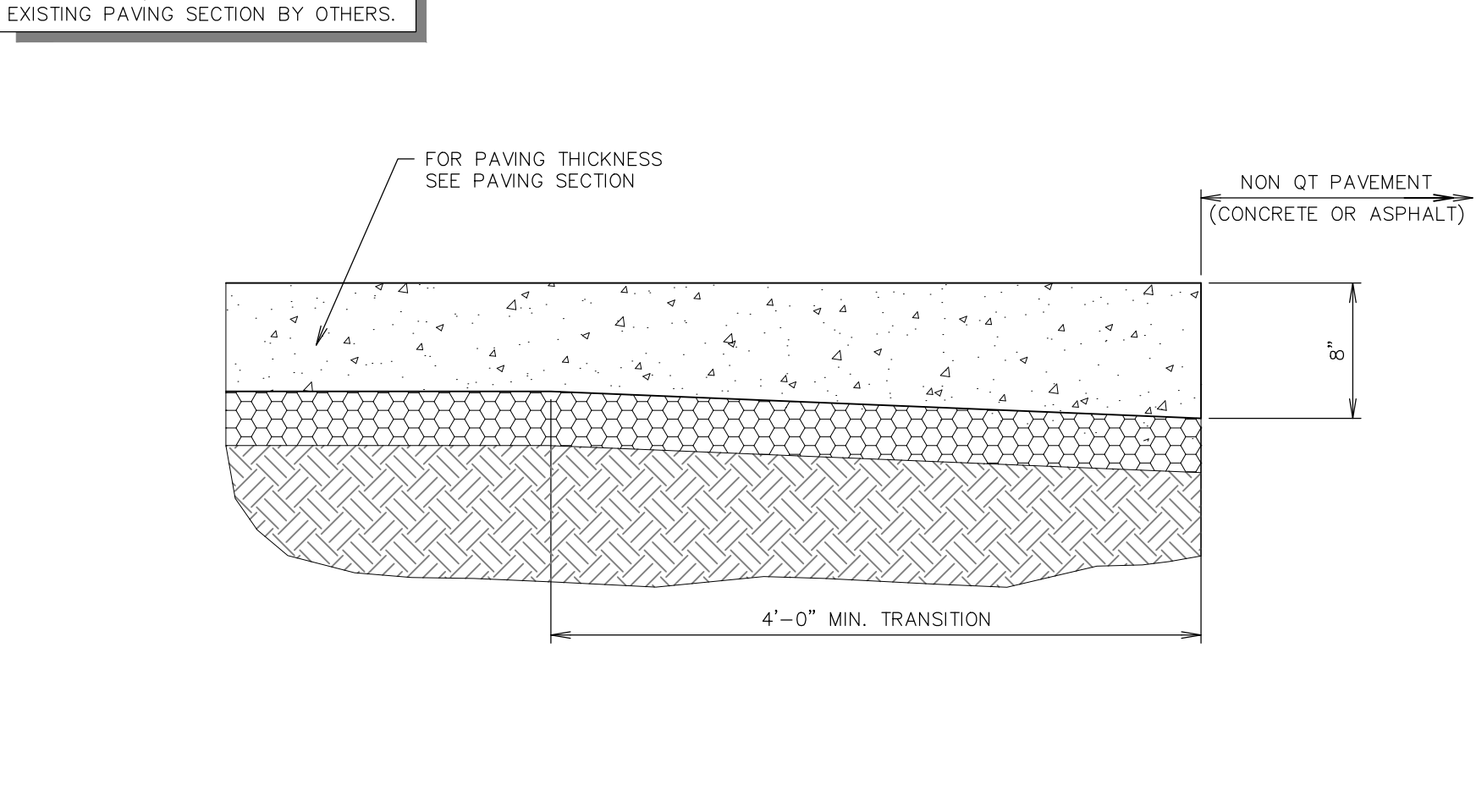
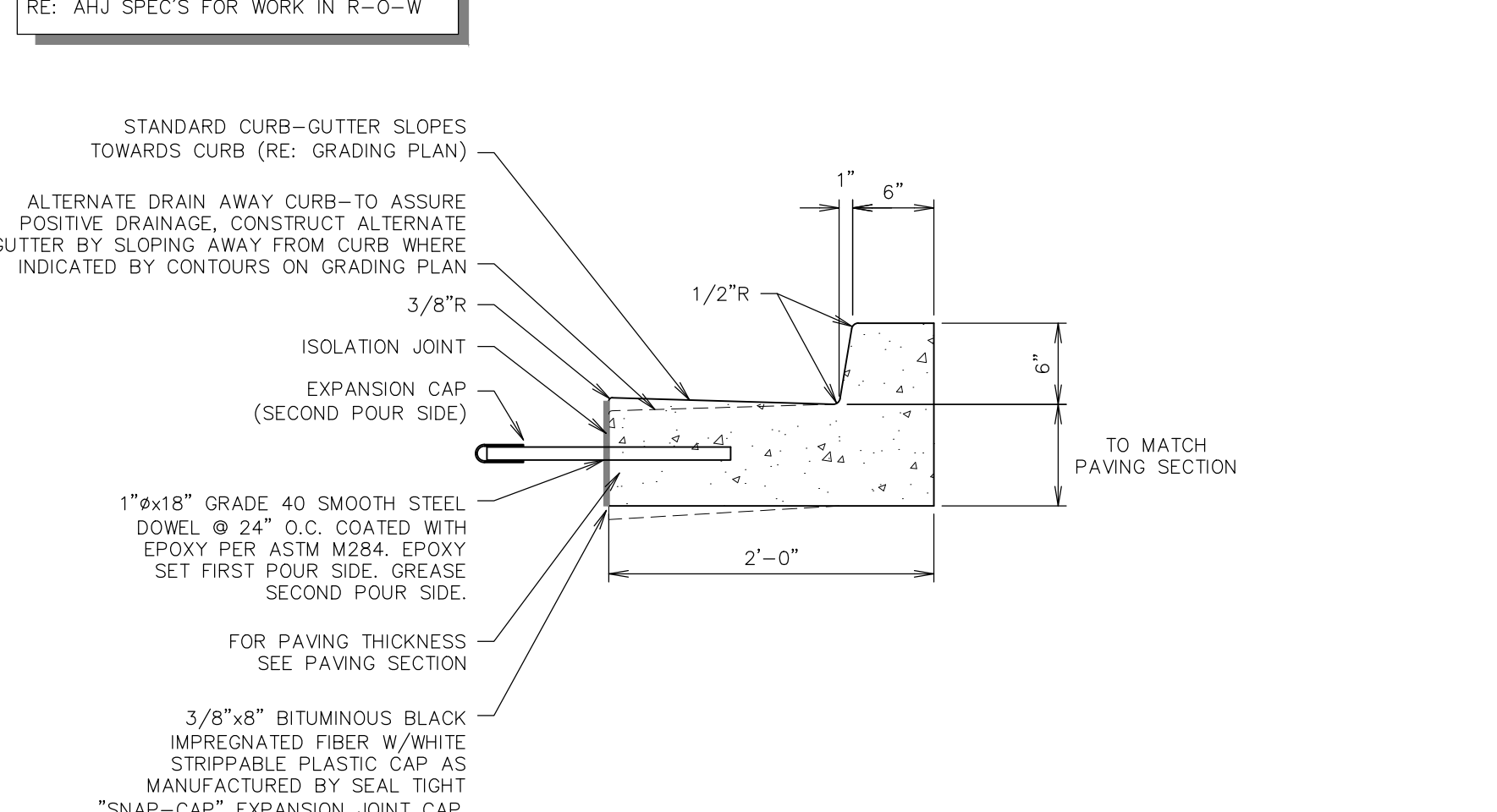
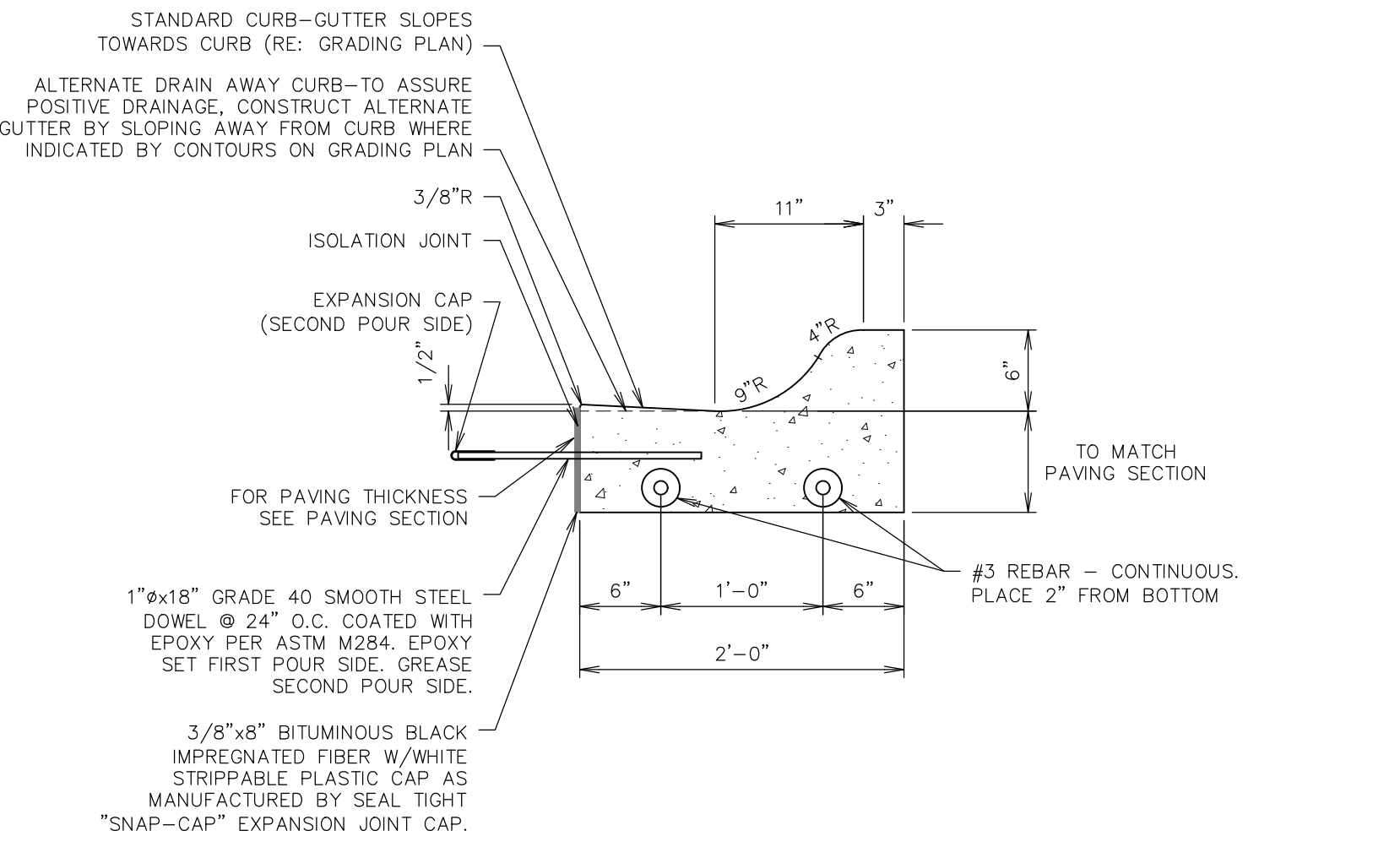
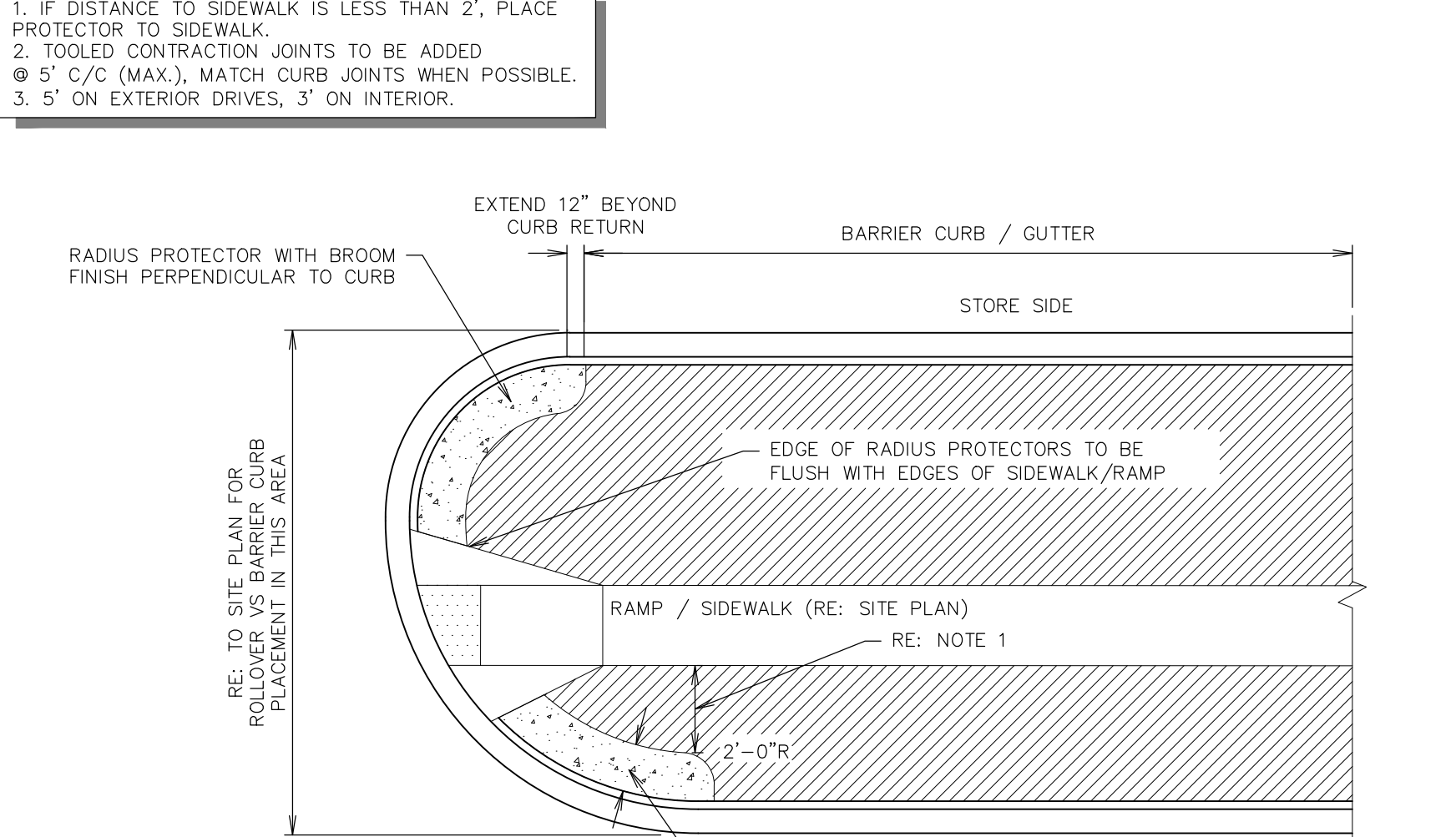
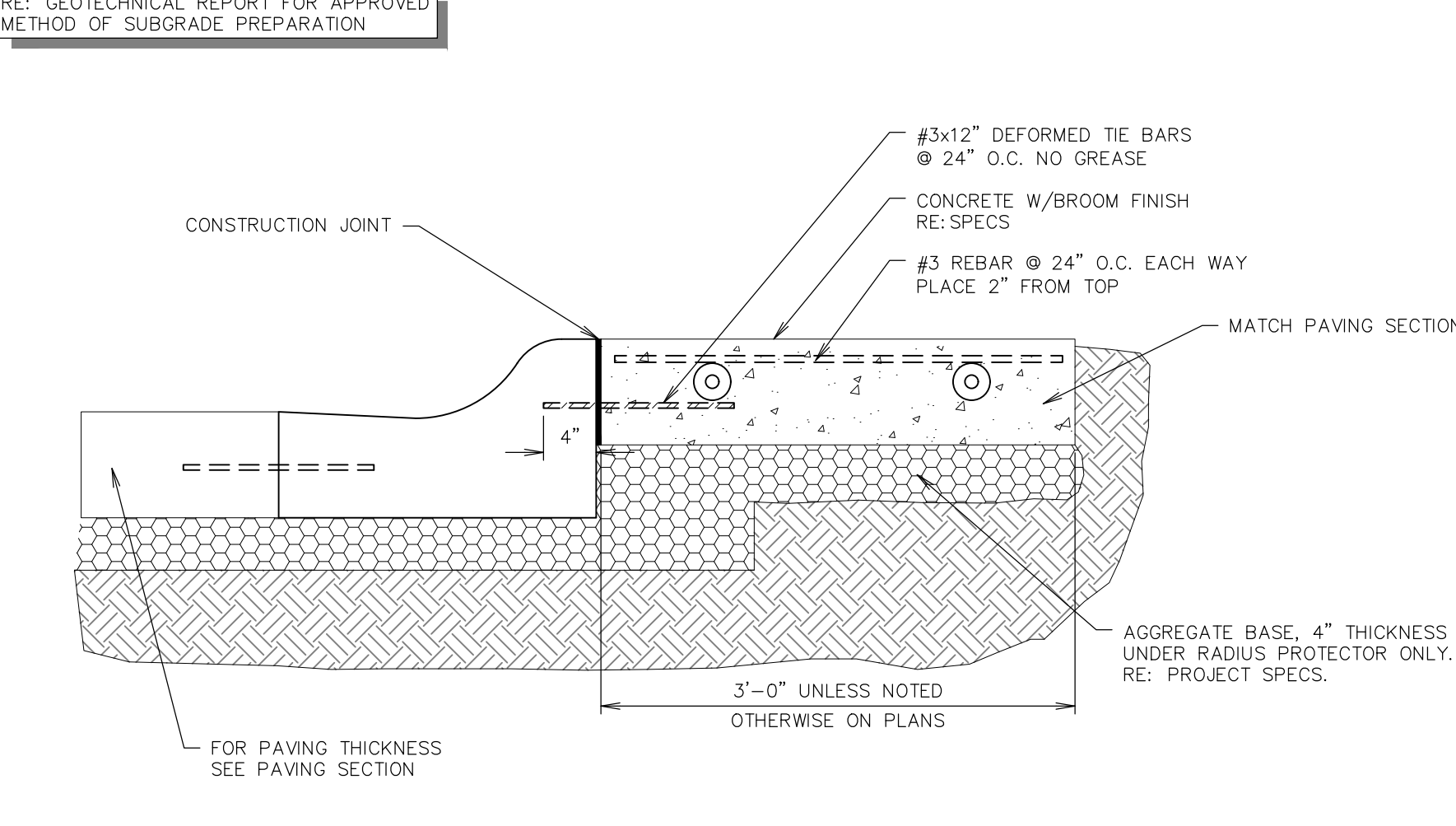
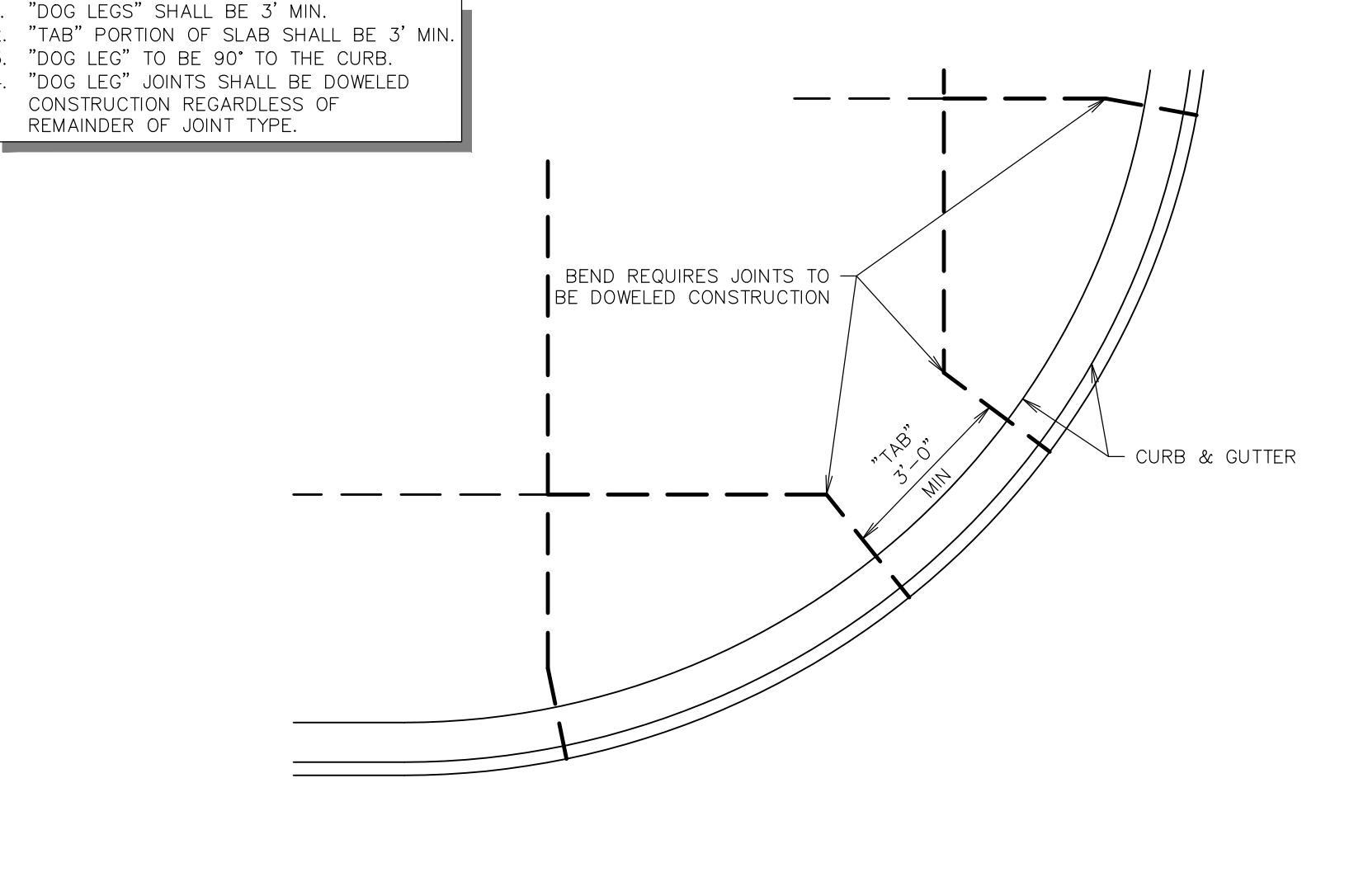
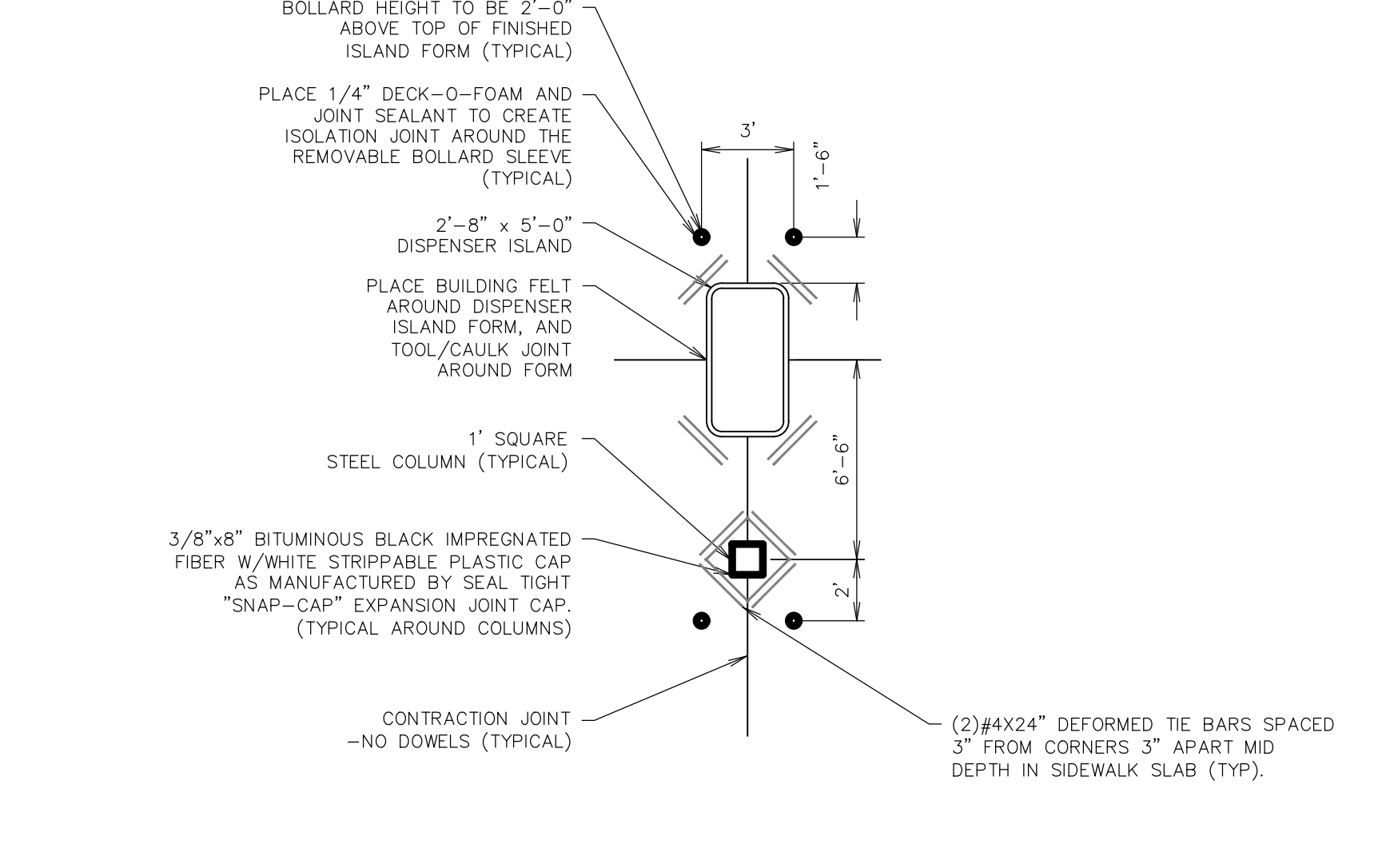
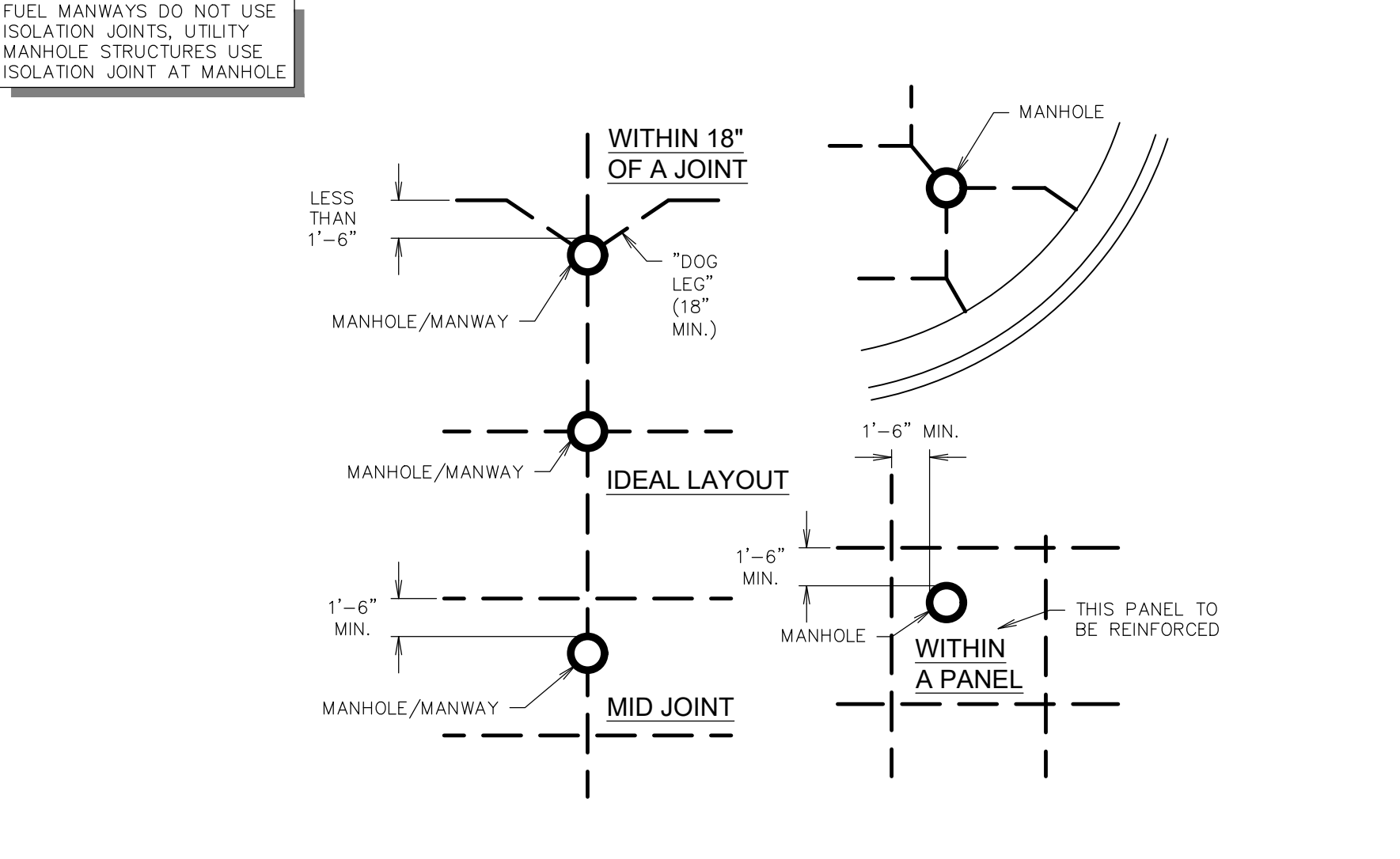
C510








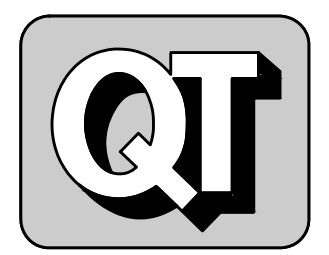
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12345					678910					1112131415				
Q														
	L1PAVING JOINT - CONTRACTION				L6THICKENED EDGE SECTION					L11CURB DETAIL - BARRIER (PVR SITE)				
P	NTS				NTS					NTS				
	SN: PD007A012				SN: PD008A008					SN: PD009D015				
N														
	F1CURB DETAIL - ROLLOVER / MOUNTABLE				F6RADIUS PROTECTOR PLAN					F11STANDARD RADIUS PROTECTOR SECTION				
M	NTS				NTS					NTS				
	SN: PD010A013				SN: PD016A006					SN: PD017A013				
L														
	A1TYPICAL JOINT LAYOUT - AT RADIUS AND ANGLES				A6GAS ISLAND JOINTING - (G3S DS STEEL)					A11TYPICAL MANHOLE / FUEL MANWAY JOINT LAYOUTS				
K	NTS				NTS					NTS				
	SN: PD019A007				SN: PD077A004					SN: PD021A003				

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JONATHAN E. SCHINDLER  
P.E.#108864  
DATE: July 25, 2022  
PROJECT NO.: QT20005\_1873

  
Kirkman  
ENGINEERING  
5200 State Highway 121  
Colleyville, Texas 76034  
Phone: 817-488-4960  
Texas Firm No: 15874

QuikTrip No. 1873  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
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REV	DATE	DESCRIPTION

SHEET TITLE:  
PAVING DETAILS

SHEET NUMBER:  
C521



SHEET NUMBER:  
C522



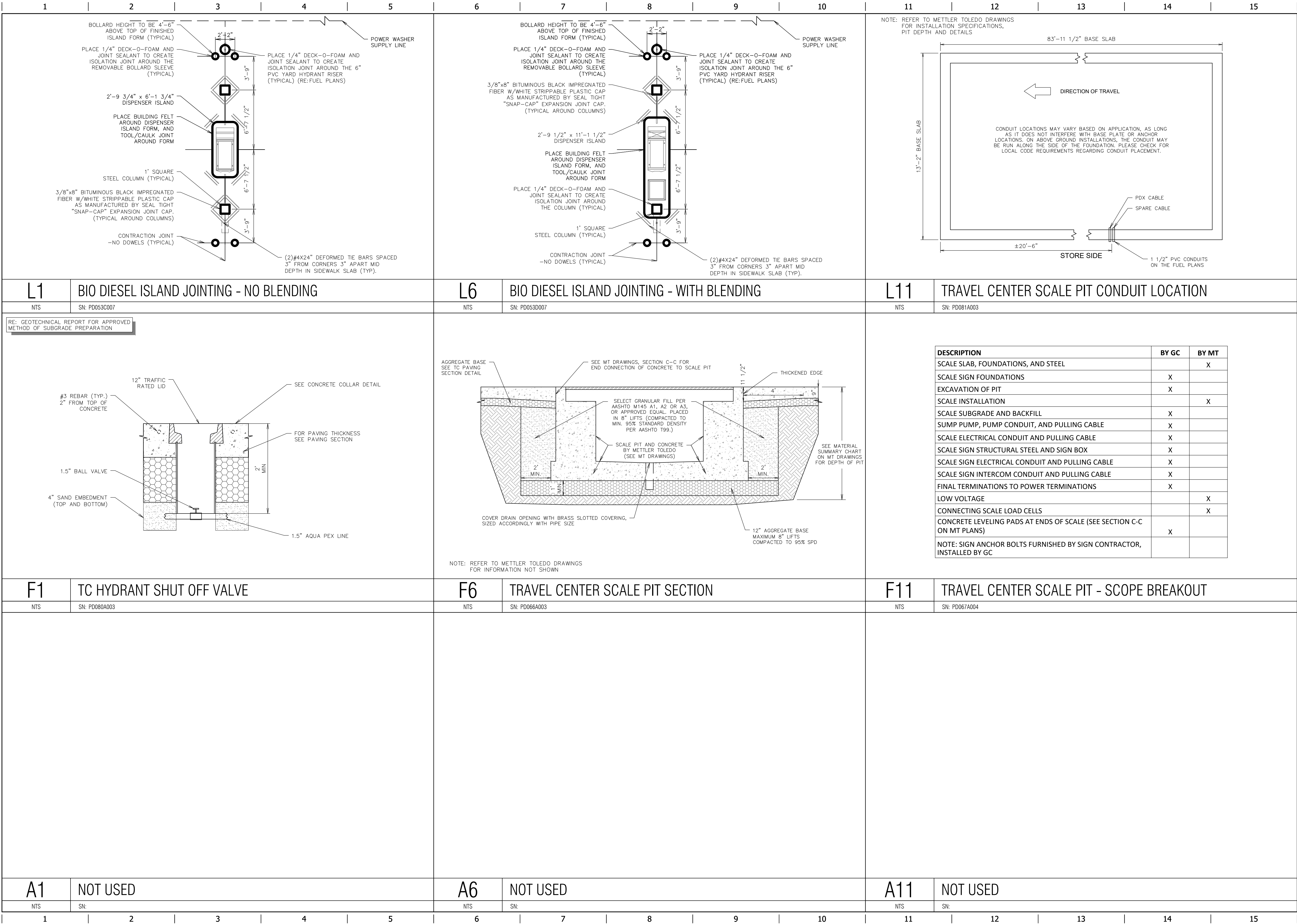








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FILE LOCATION: \\10.88.78.1\Jobs\Jobs QT20005\_1873\Drawings\CIVILS\DETAILS TRENCHING.dwg TAB NAME:Trenching Details Sheet 1 USER:amello SAVED:5/27/2022 2:37 PM PLOTTED:7/25/2022 2:09 PM

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<div>TRENCHING GENERAL NOTES</div> <div>1. ALL MINIMUM DEPTHS TO MEET THE CITY OF RHOME STANDARDS FOR WATER, SANITARY SEWER, AND STORM LINES.</div>						<div>ALL COPPER PIPING SHALL BE TYPE K WRAPPED IN 3M VINYL TAPE FROM THE BUILDING TO THE METER.</div> <div>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE – RE: PLAN SHEETS.</div> <div>RE. PROJECT SPECS FOR GRADATION TABLE.</div>						<div>EXTEND 18" BEYOND BACK OF CURB (OUTSIDE OF ALL PAVED AREAS) BEFORE TRANSITIONING TO NON-PAVED TRENCH DETAIL.</div> <div>MIN. DRAIN PIPE CLEARANCE MAY BEGIN @ 1'-0" FROM T.O.P. TO FINISH GRADE IF CONDITIONS WARRANT DUE TO GRADES, ROCK, ETC.</div> <div>RE. PROJECT SPECS FOR GRADATION TABLE.</div>							
L1	NOT USED					L6	ON-SITE WATER LINE TRENCH SECTION (PAVED)					L11	BUILDING OR CANOPY DRAINAGE TRENCH SECTION (PAVED)						
NTS	SN:					NTS	SN: TD005A007					NTS	SN: TD006A005						
<div>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT.</div> <div>MIN. DRAIN PIPE CLEARANCE MAY BEGIN @ 1'-0" FROM T.O.P. TO FINISH GRADE IF CONDITIONS WARRANT DUE TO GRADES, ROCK, ETC.</div> <div>UNDER PAVEMENT, CURB, &amp; FRENCH DRAIN PIPE MUST BE TAKEN TO STORM STRUCTURE, OR TO SURFACE DRAINAGE SWALE.</div> <div>SEE GRADING PLAN FOR LOCATION BEFORE TRANSITION TO NON PAVED TRENCH SECTION.</div>						<div>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT.</div> <div>ALL COPPER PIPING SHALL BE TYPE K WRAPPED IN 3M VINYL TAPE FROM THE BUILDING TO THE METER.</div> <div>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE – RE: PLAN SHEETS</div>						<div>EXTEND 18" BEYOND BACK OF CURB (OUTSIDE OF ALL PAVED AREAS) BEFORE TRANSITIONING TO NON-PAVED TRENCH DETAIL.</div> <div>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE – RE: PLAN SHEETS</div> <div>RE. PROJECT SPECS FOR GRADATION TABLE.</div> <div>IF CONDUITS ARE TO BE STACKED, UPPERMOST CONDUIT TO REMAIN MIN. OF 4'-0" BELOW GRADE WITH MIN. 12" VERTICAL CLEARANCE BETWEEN CONDUITS</div>							
F1	BUILDING OR CANOPY DRAINAGE TRENCH SECTION (NON PAVED)					F6	ON-SITE WATER LINE TRENCH SECTION (NON PAVED)					F11	PRIMARY ELECTRICAL & TELEPHONE CONDUIT TRENCH SECTION (PAVED)						
NTS	SN: TD007A002					NTS	SN: TD008A003					NTS	SN: TD010A005						
<div>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT.</div> <div>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE – RE: PLAN SHEETS</div> <div>IF CONDUITS ARE TO BE STACKED, UPPERMOST CONDUIT TO REMAIN MIN. OF 4'-0" BELOW GRADE WITH MIN. 12" VERTICAL CLEARANCE BETWEEN CONDUITS</div>						<div>EXTEND 18" BEYOND BACK OF CURB (OUTSIDE OF ALL PAVED AREAS) BEFORE TRANSITIONING TO NON-PAVED TRENCH DETAIL.</div> <div>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE – RE: PLAN SHEETS</div> <div>RE. PROJECT SPECS FOR GRADATION TABLE.</div>						<div>TRENCH MATERIAL SHALL CONSIST OF DRY, ROCK-FREE DIRT.</div> <div>ALWAYS ATTEMPT TO RUN UTILITY TRENCH OUTSIDE OF PAVED AREA WHEN AVAILABLE – RE: PLAN SHEETS</div>							
A1	PRIMARY ELECTRICAL & TELEPHONE CONDUIT TRENCH SECTION (NON PAVED)					A6	1" Ø OR SMALLER ELECTRICAL CONDUIT TRENCH SECTION (PAVED)					A11	1" Ø OR SMALLER ELECTRICAL CONDUIT TRENCH SECTION (UNPAVED)						
NTS	SN: TD011A003					NTS	SN: TD012A005					NTS	SN: TD013A003						

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K

kirkman

ENGINEERING

5200 State Highway 121 Colleyville, Texas 76034 Phone: 817-488-4960 Texas Firm No: 15874

QuikTrip No. 1873

U.S. HIGHWAY 81/287 & STATE HIGHWAY 114

RHOME, TX

QT

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DRAWN BY:

REVIEWED BY:

REV

DATE

DESCRIPTION

ORIGINAL ISSUE DATE:

SHEET TITLE:

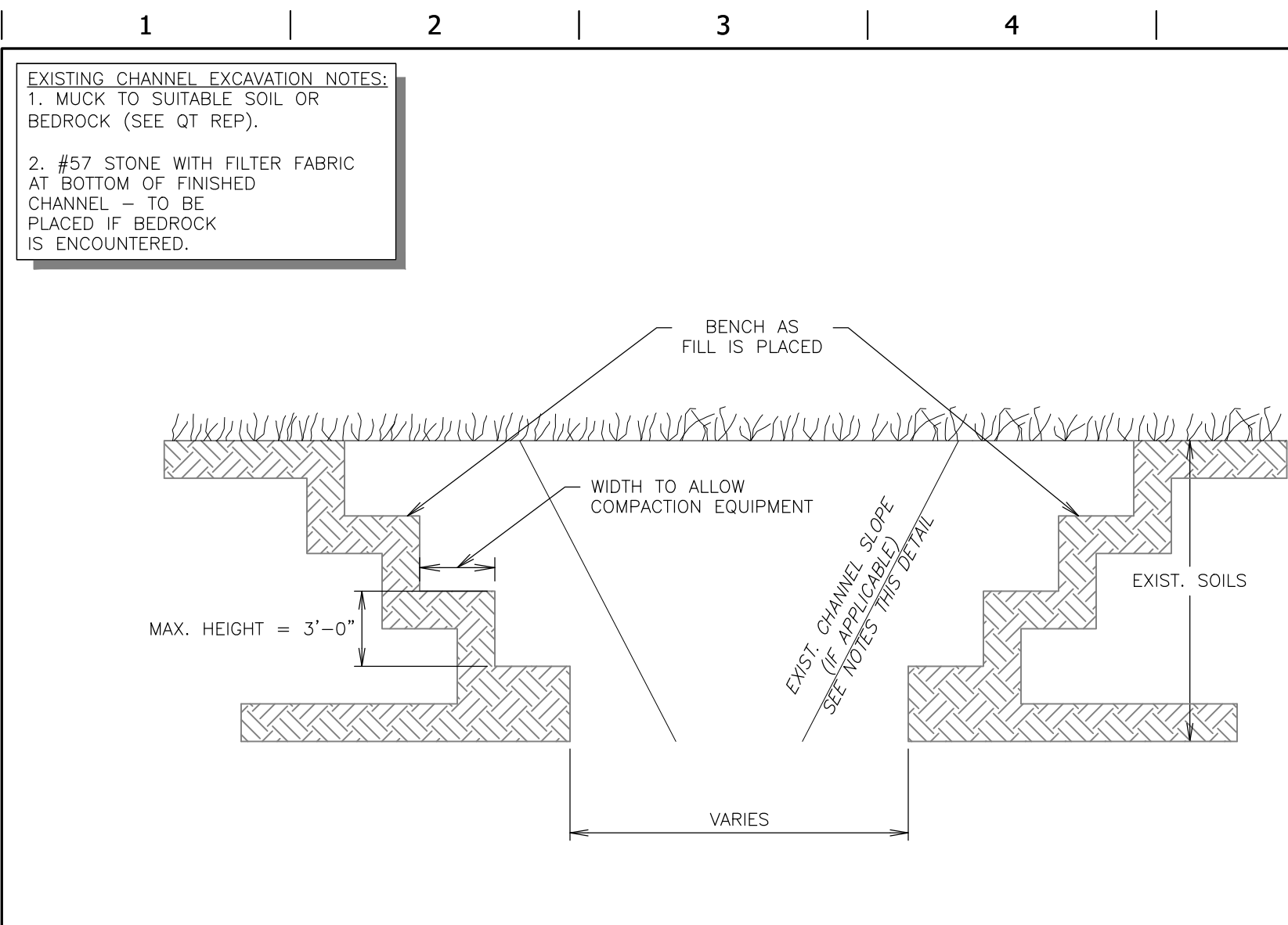
TRENCHING DETAILS

SHEET NUMBER:

C530

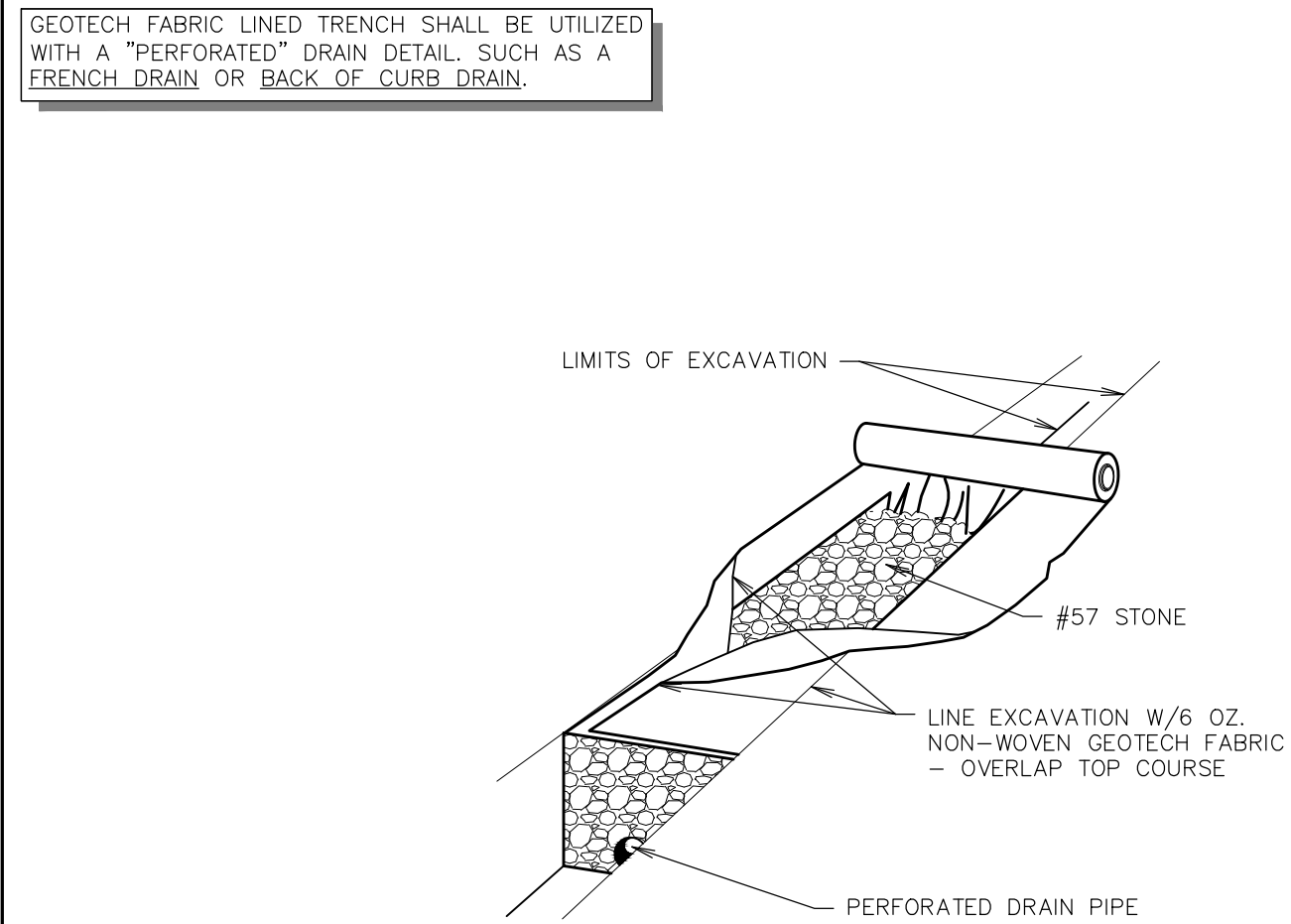
Q  
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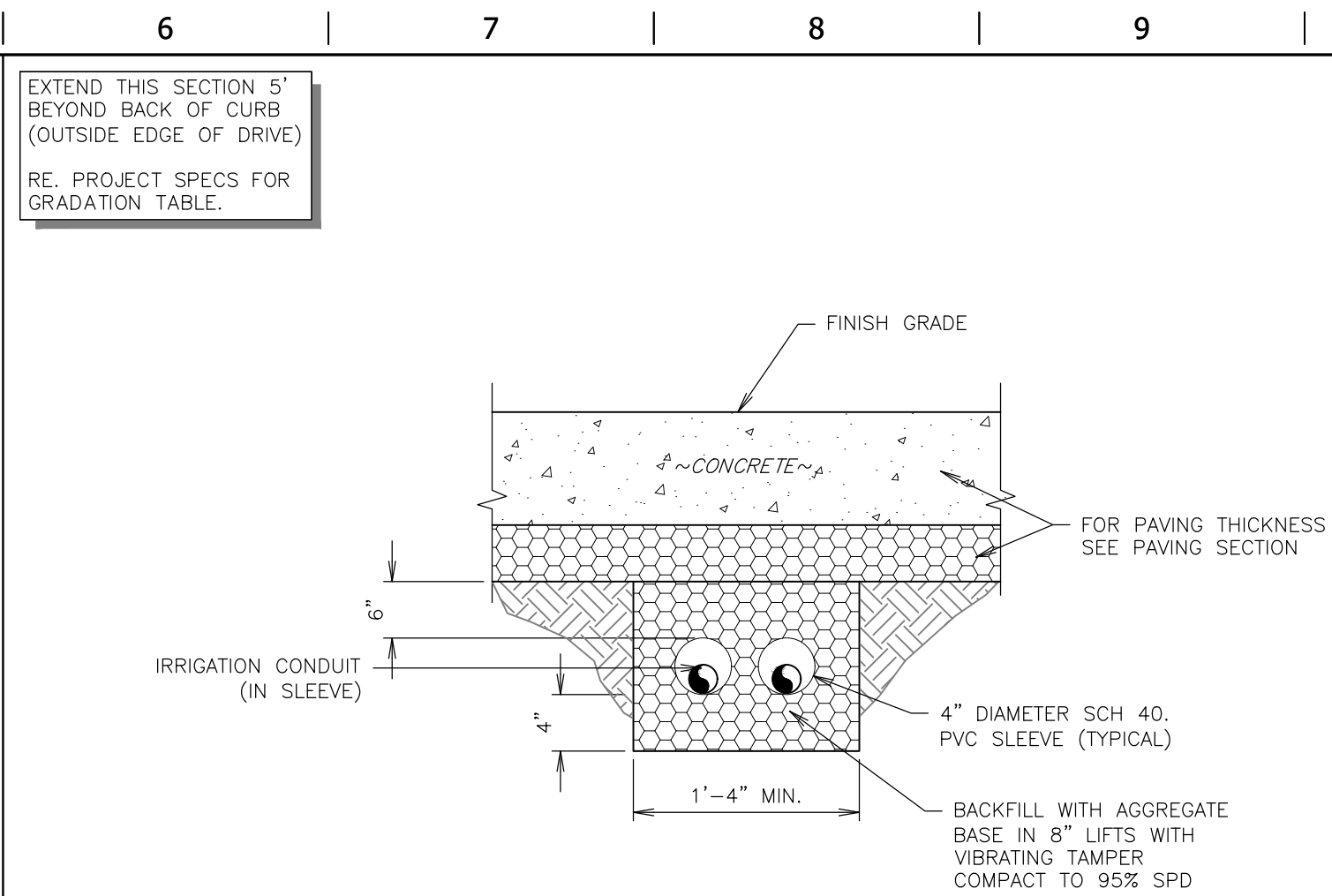
L1	EXCAVATION BENCHING DETAIL
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NTS	SN: TD014A002
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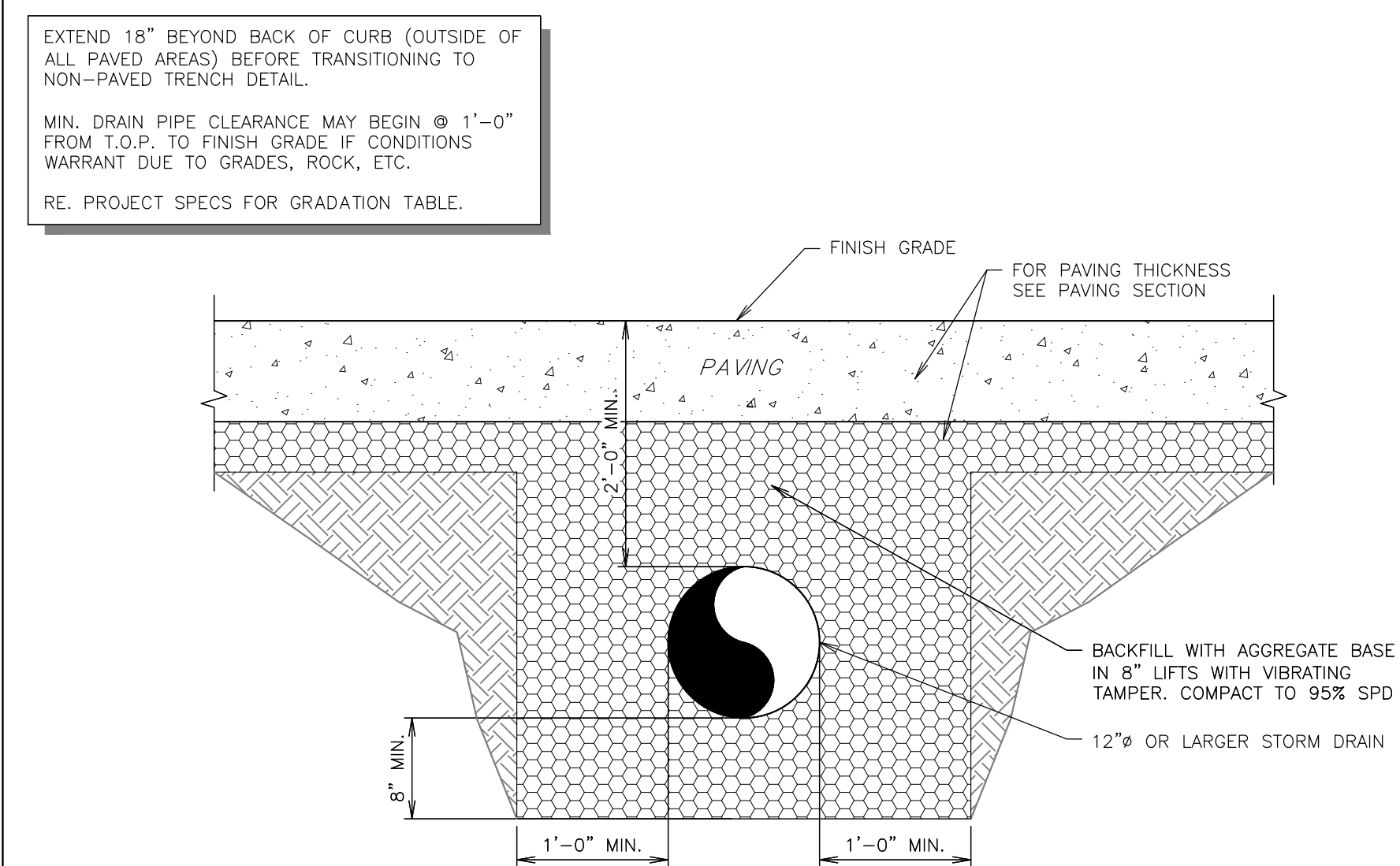
F1	GEOTECH FABRIC IN SUB-SURFACE DRAIN
----	-------------------------------------

NTS	SN: TD017A003
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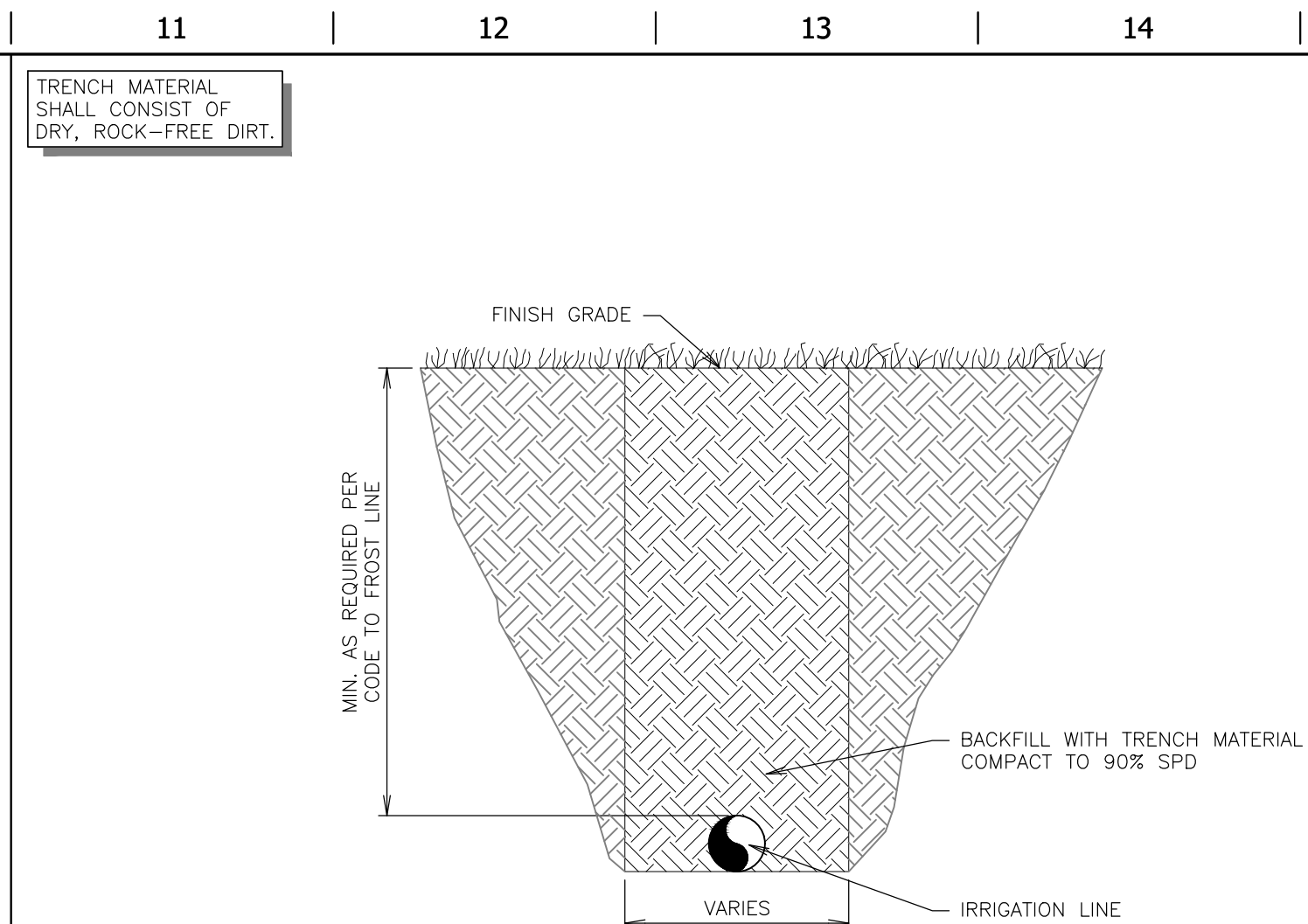
L6	TYPICAL IRRIGATION PIPING TRENCH SECTION (PAVED)
----	--

NTS	SN: TD015A006
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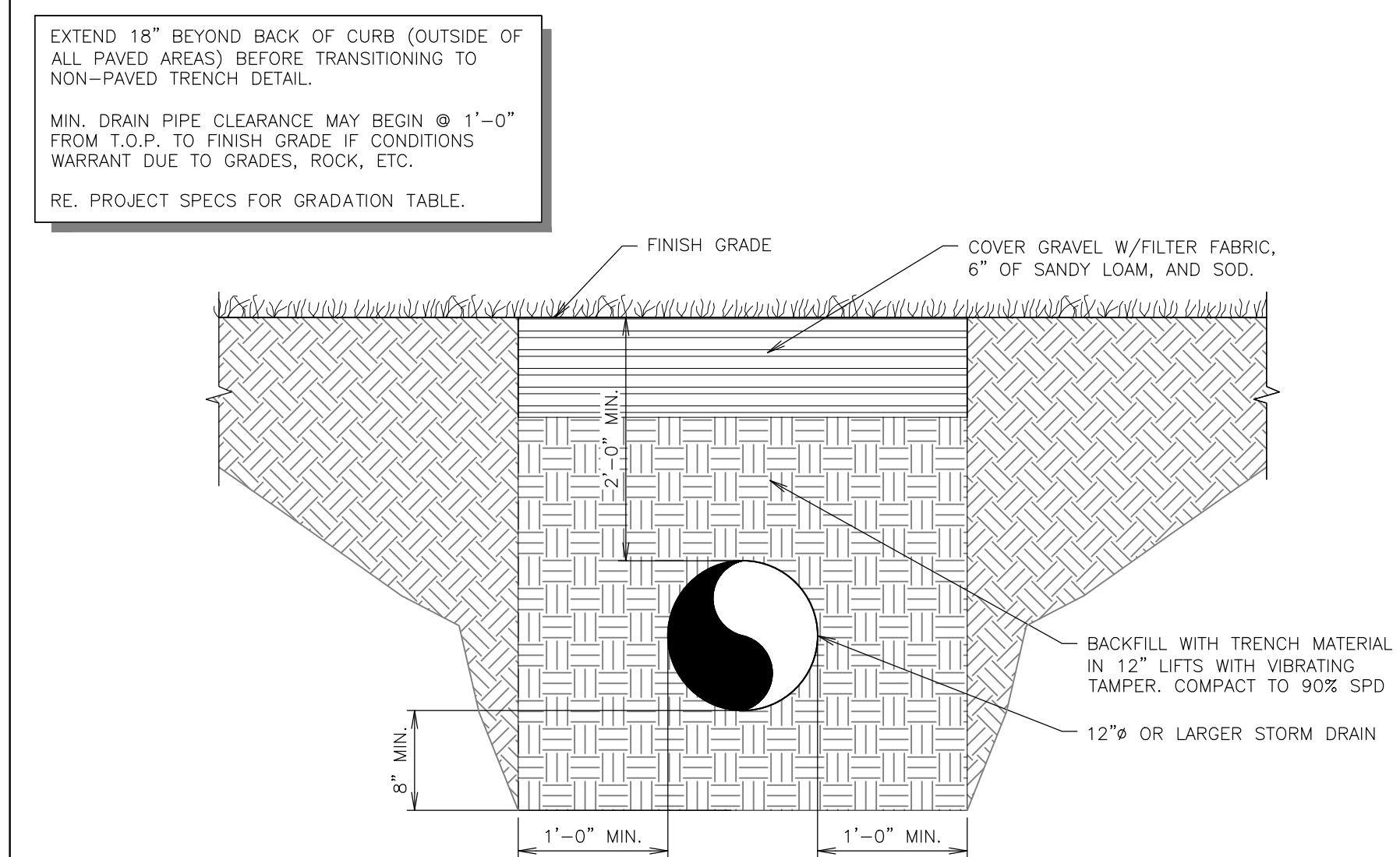
F6	12" DIAMETER OR LARGER STORM DRAIN (PAVED)
----	--

NTS	SN: TD018A001
-----	---------------



L11	TYPICAL IRRIGATION PIPING TRENCH SECTION (NON PAVED)
-----	--

NTS	SN: TD016A00
-----	--------------



F11	12" DIAMETER OR LARGER STORM DRAIN (NON PAVED)
-----	--

NTS	SN: TD018B00
-----	--------------

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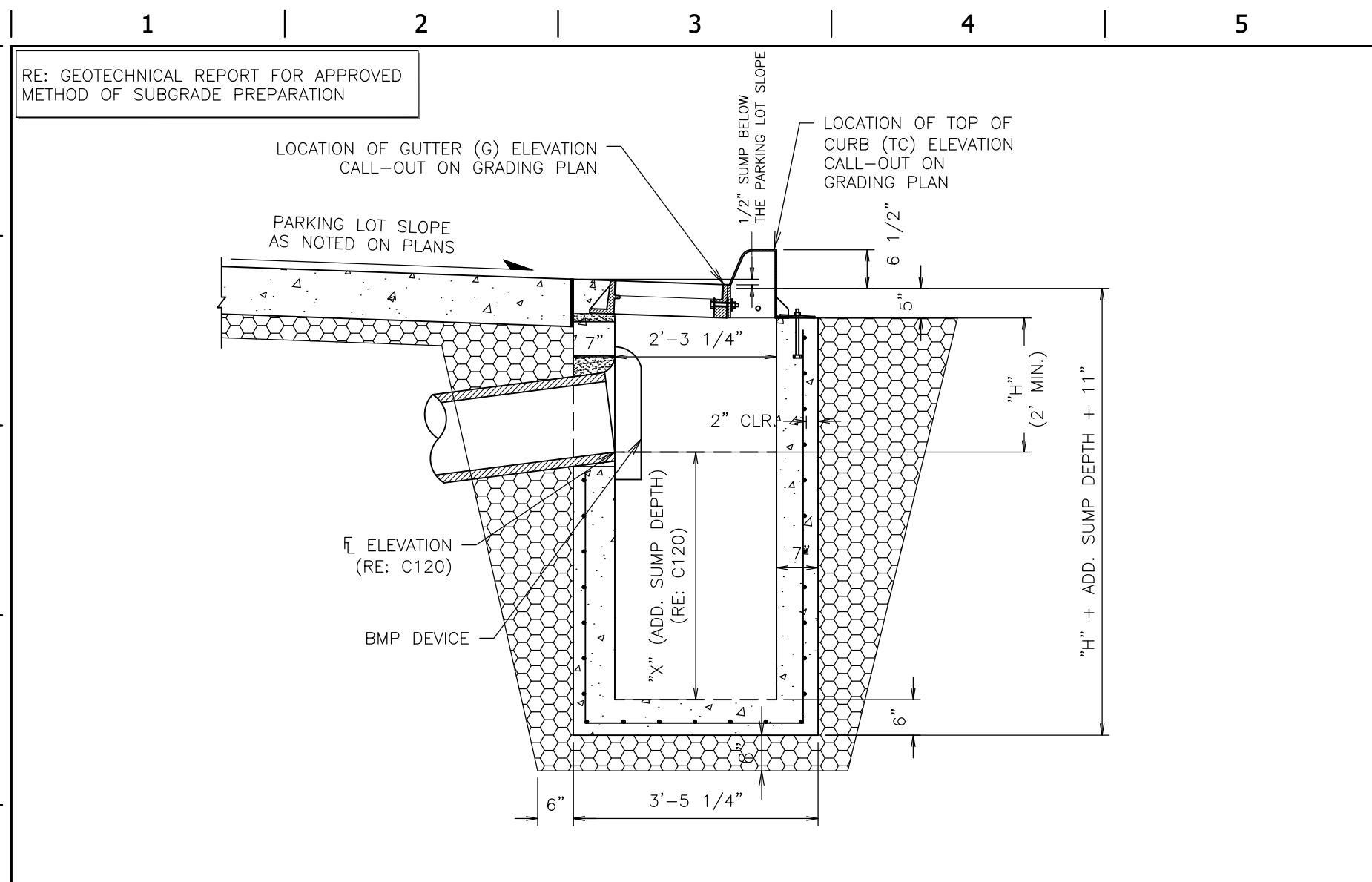
SHEET TITLE:

## TRENCHING DETAILS

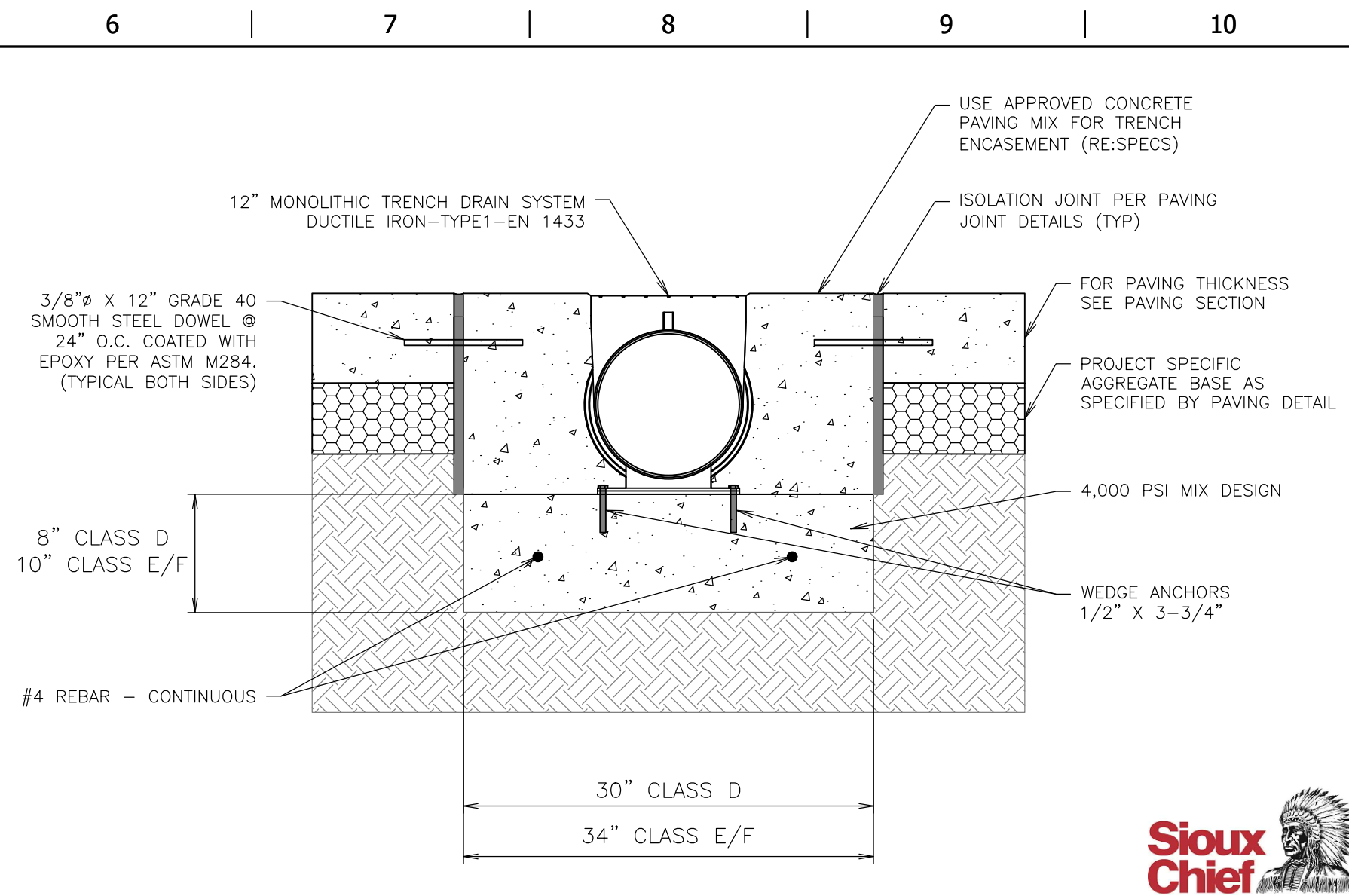
SHEET NUMBER

C531

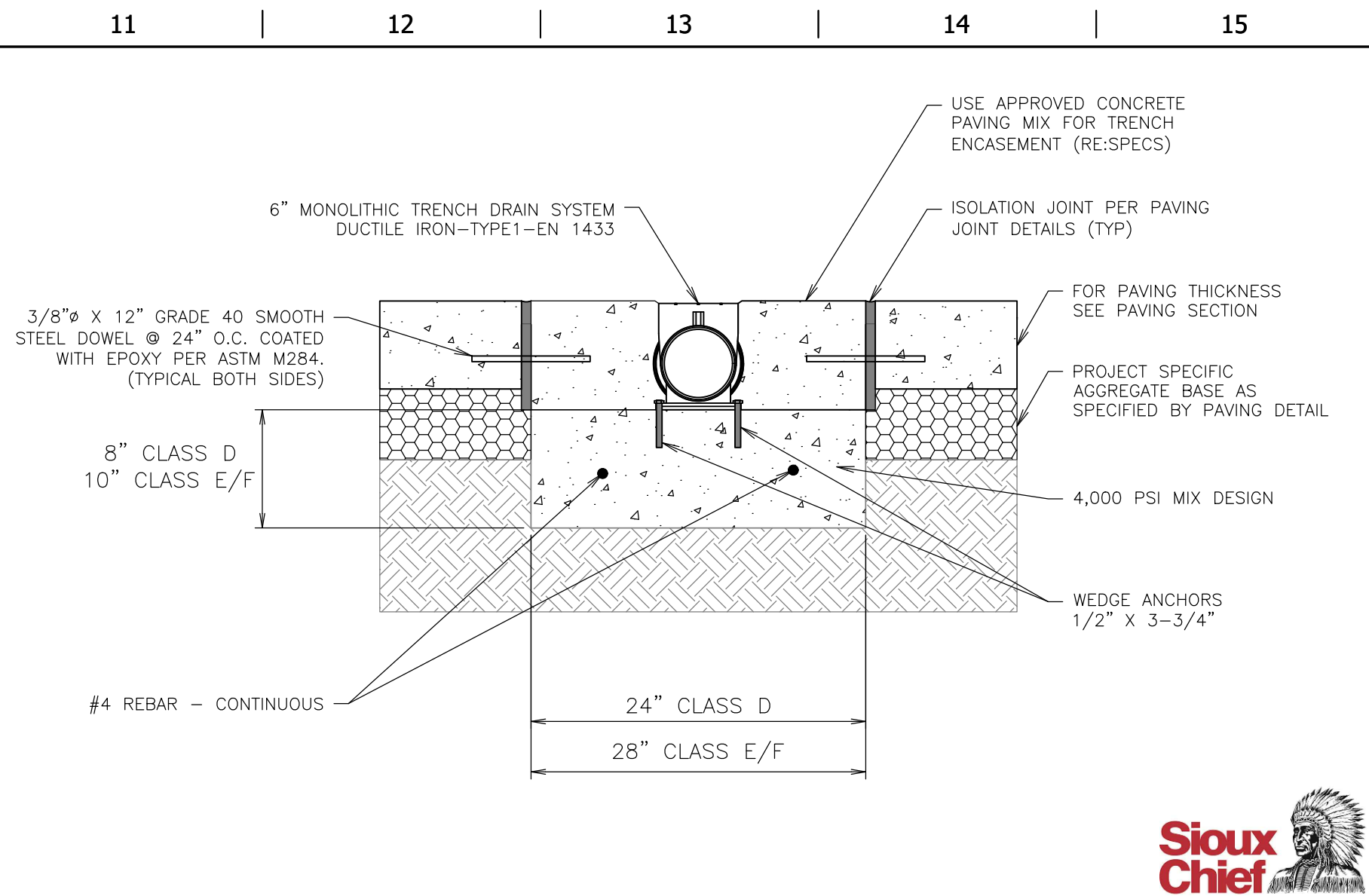




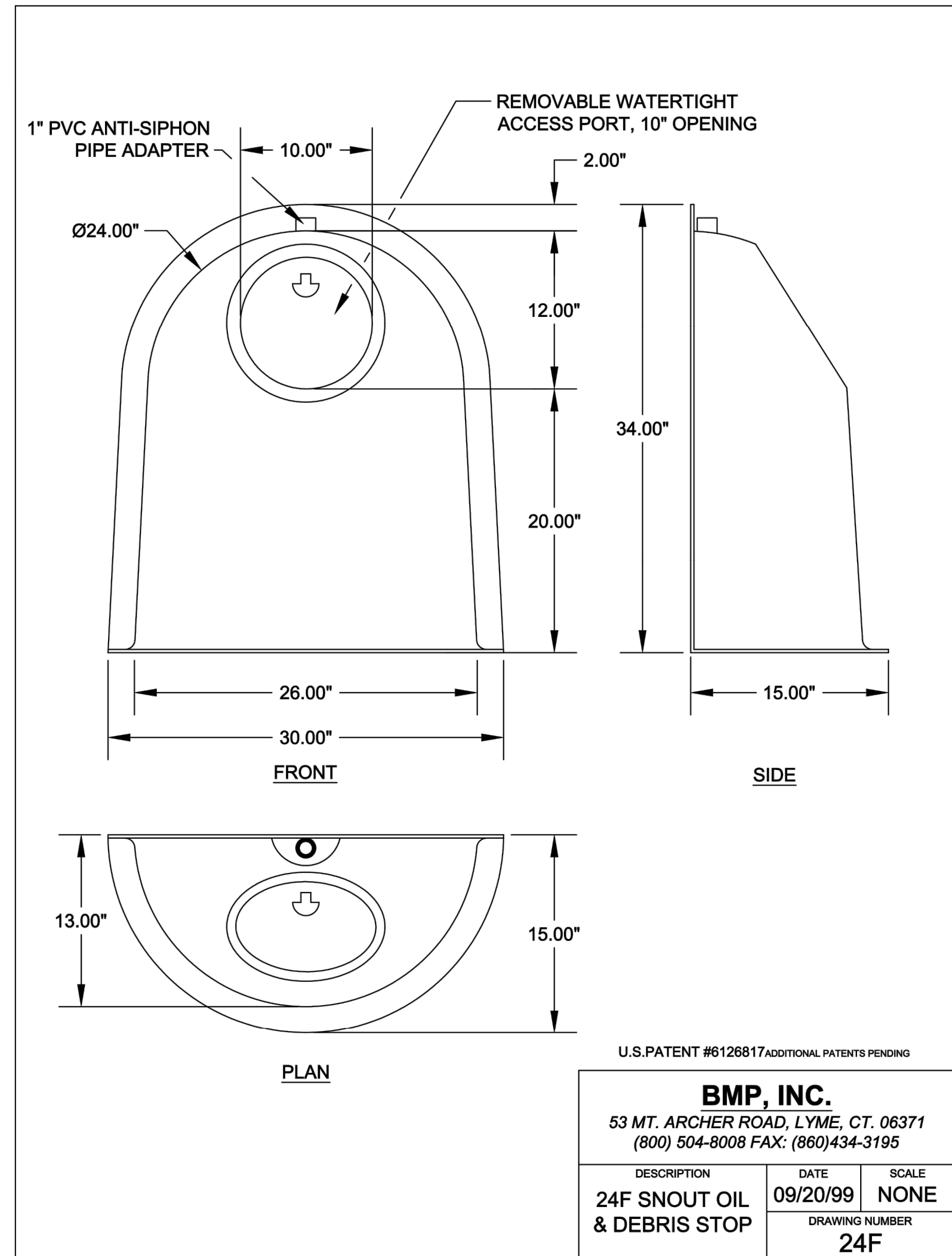
L1	CURB INLET WITH SNOUT SUMP (SECTION VIEW)
NTS	SN: DD029A001



L6	12" HYDROTECH HYDROBLOCK 300 ADA TRENCH DRAIN
NTS	SN: DD030A002



L11	6" HYDROTECH HYDROBLOCK 150 ADA TRENCH DRAIN
NTS	SN: DD030B002



A11	24F SNOUT OIL & DEBRIS STOP
NTS	SN: N/A

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VERSION: 001
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DRAWN BY:
REVIEWED BY:

[illegible]

SHEET TITLE:	
DRAINAGE DETAILS	

SHEET NUMBER:

C540

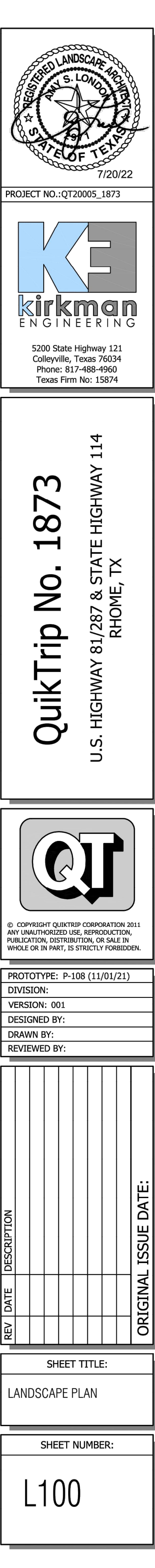


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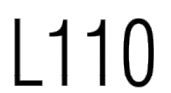
[illegible]







Critical Station:	18
Design Pressure:	40 PSI
Friction Loss:	1.2 PSI
Fittings Loss:	0.06 PSI
Elevation Loss:	0 PSI
Loss through Valve:	3.54 PSI
Pressure Req. at Critical Station:	44.79 PSI
Loss for Fittings:	0.19 PSI
Loss for Main Line:	3.9 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	13.4 PSI
Loss for Master Valve:	2.67 PSI
Loss for Water Meter:	2.73 PSI
Critical Station Pressure at POC:	67.68 PSI
Pressure Available:	68 PSI
Residual Pressure Available:	0.32 PSI

$$1'' = 30'$$




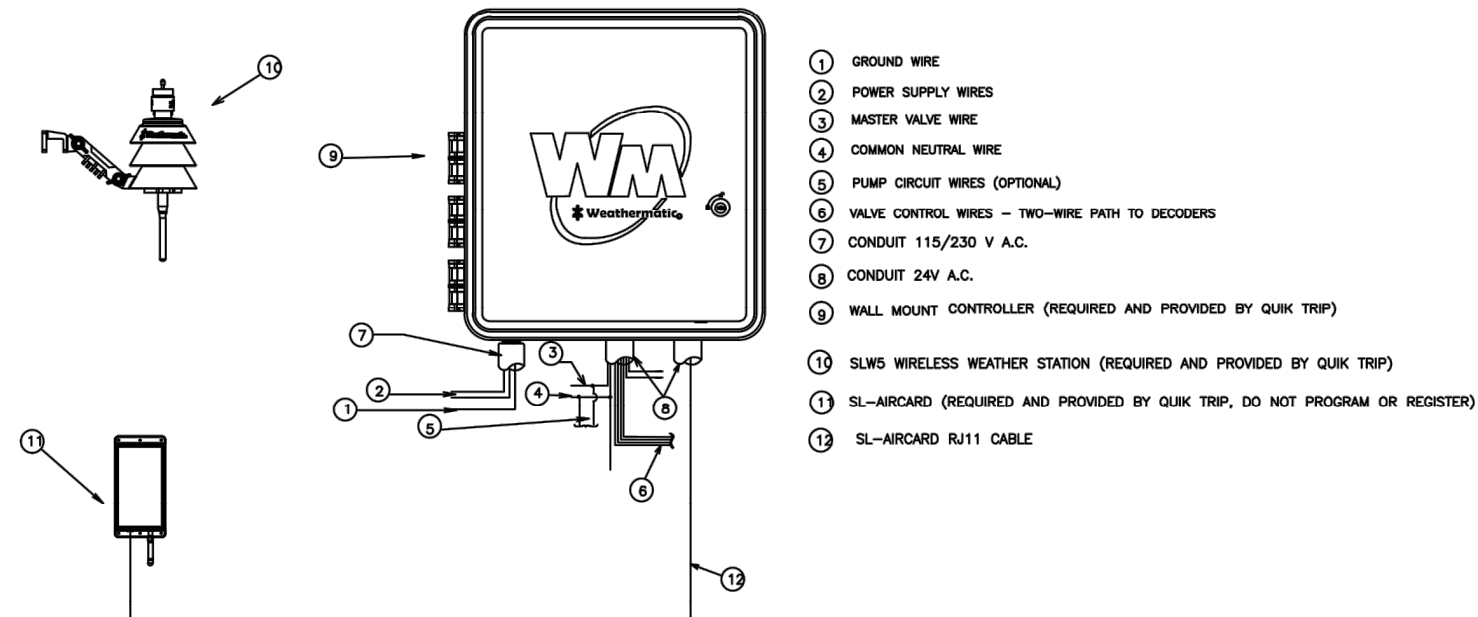
11	12
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13	14	15
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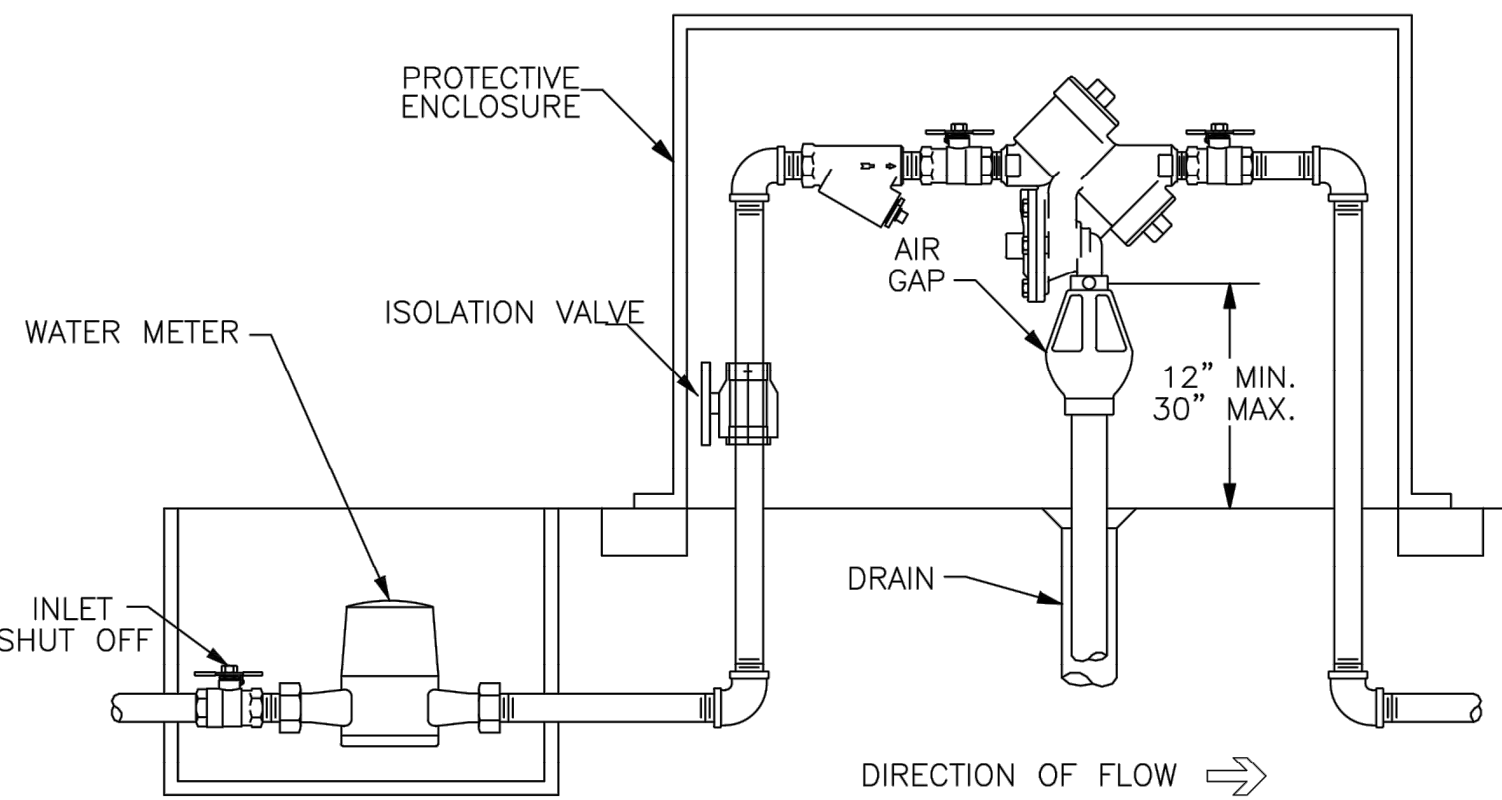


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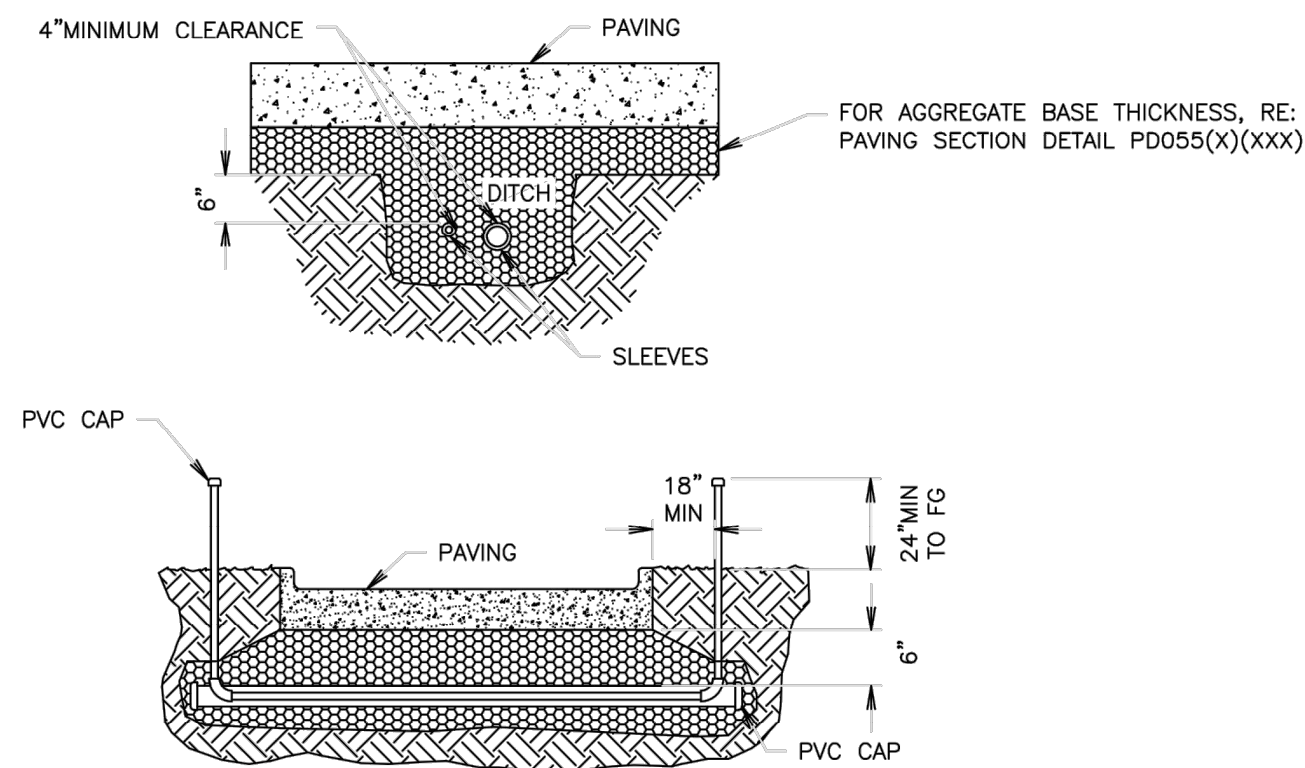




L1	SL9648TW SERIES CONTROLLER W/SLW5 + AIRCARD
----	---

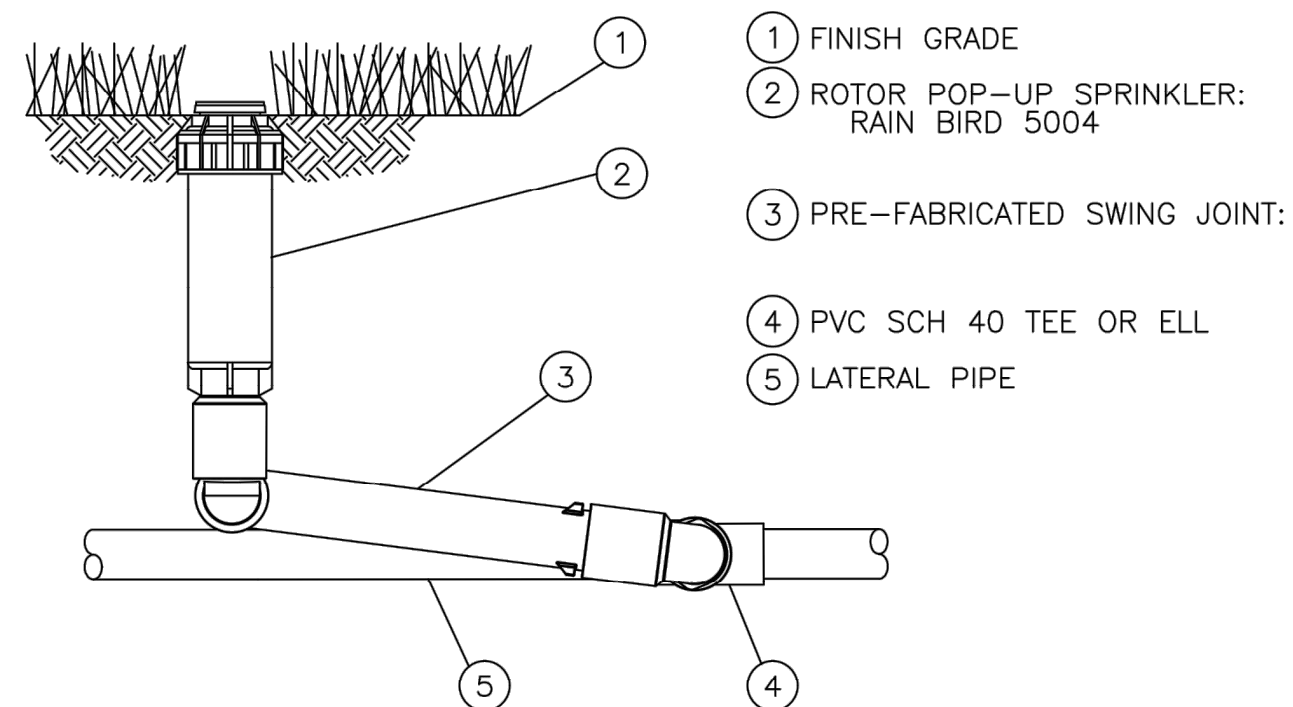


L6	REDUCED PRESSURE PRINCIPLE ASSEMBLY
----	-------------------------------------

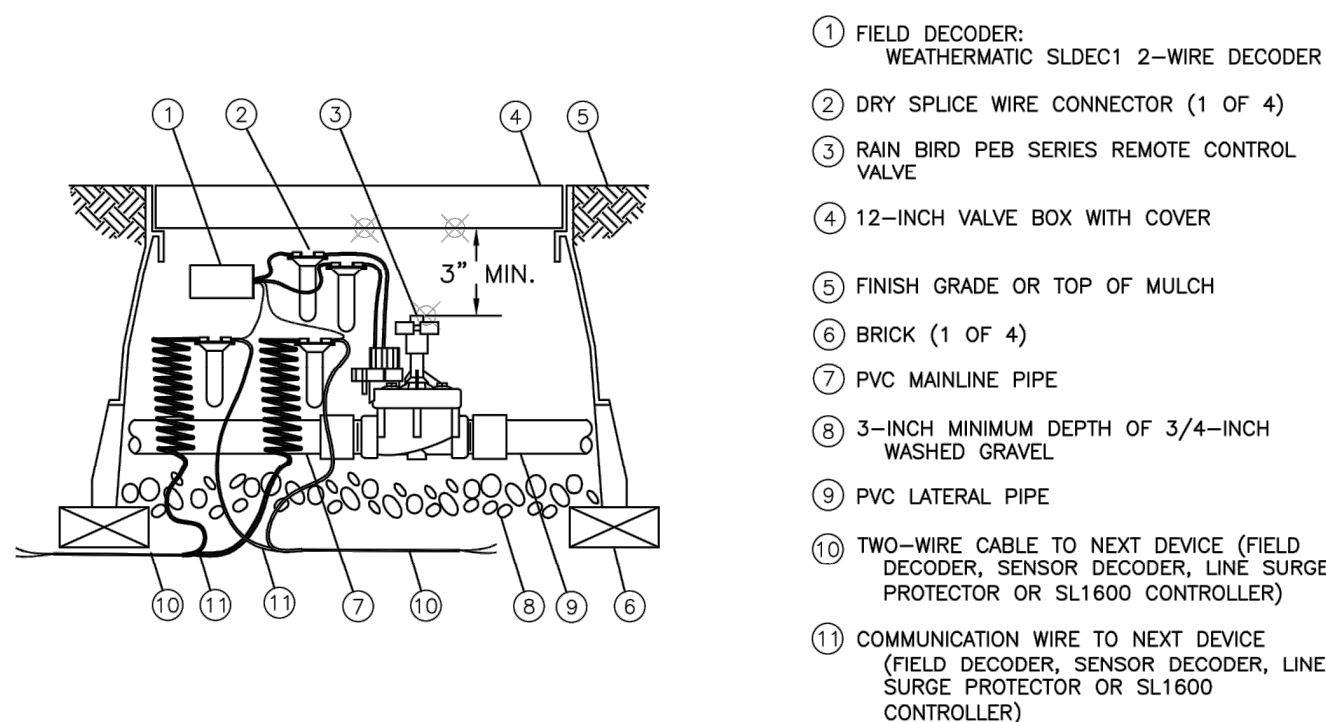


- NOTES:
1. ALL PVC IRRIGATION SLEEVING UNDER PAVEMENT TO BE SCHEDULE 40.
  2. ALL PVC IRRIGATION SLEEVING UNDER SIDEWALKS MAY BE CLASS 200.
  3. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
  4. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND SMALLER SLEEVE TO 24" MINIMUM ABOVE FINISH GRADE.
  5. MECHANICALLY TAMP TO 95% SPD.

L11	IRRIGATION SLEEVING
-----	---------------------

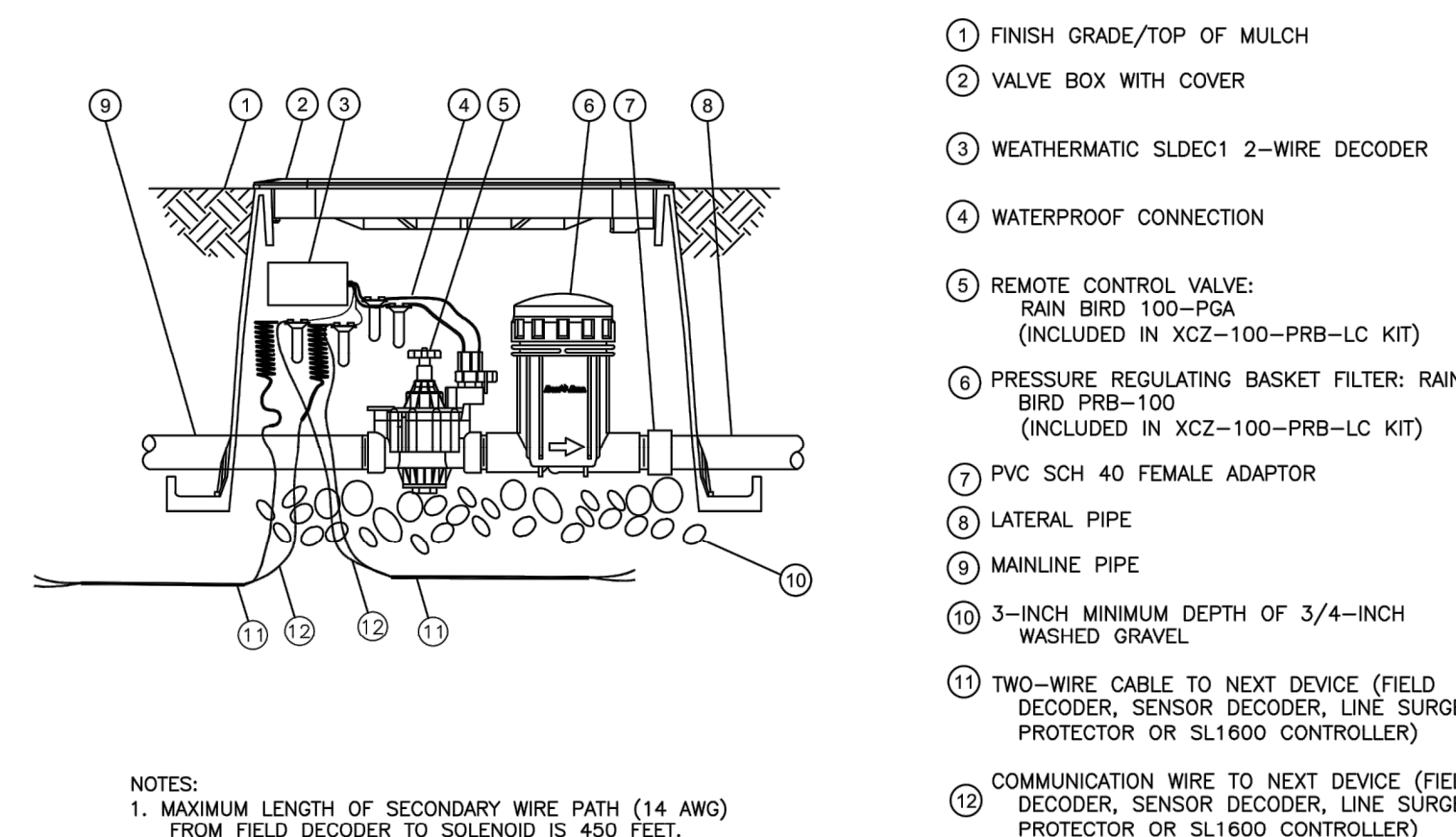


<b>F1</b>	RAIN BIRD 3500/5000/6500 SERIES POP-UP ROTORY HEAD
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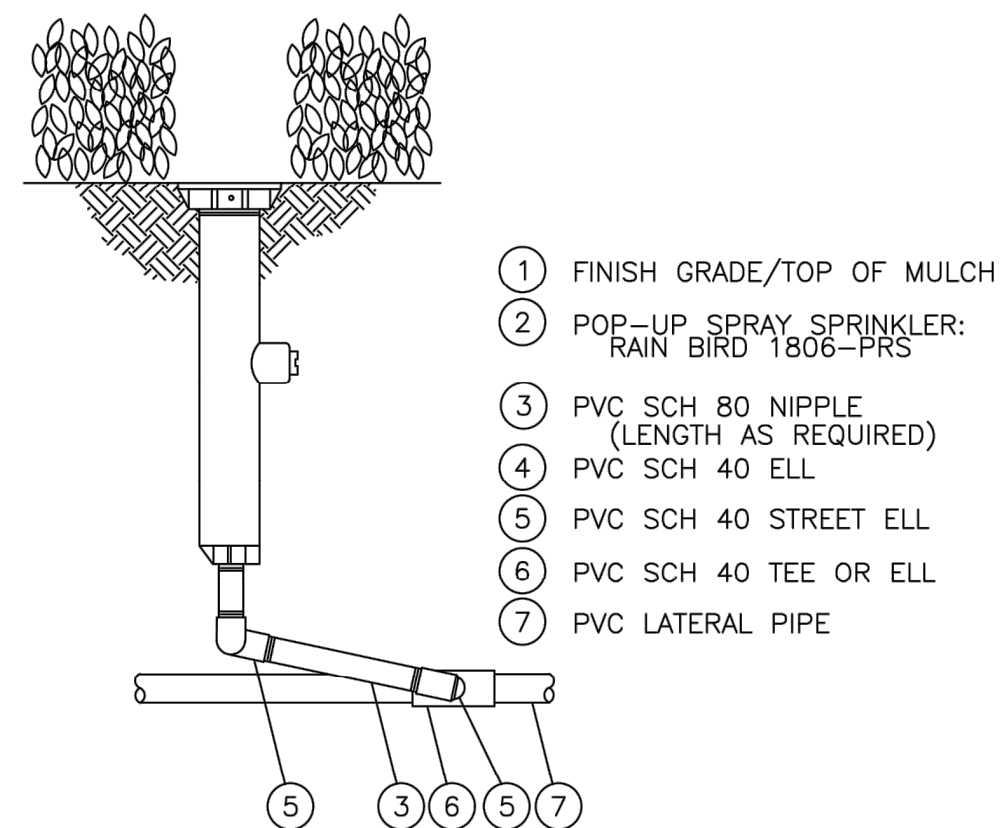
- NOTES:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 450 FEET.
  2. PLACE 3 FEET OF EXTRA WIRE IN EVERY VALVE BOX FOR EASIER SERVICING.

F6	RAIN	BIRD	PEB	SERIES	CONTROL	VALVE
----	------	------	-----	--------	---------	-------

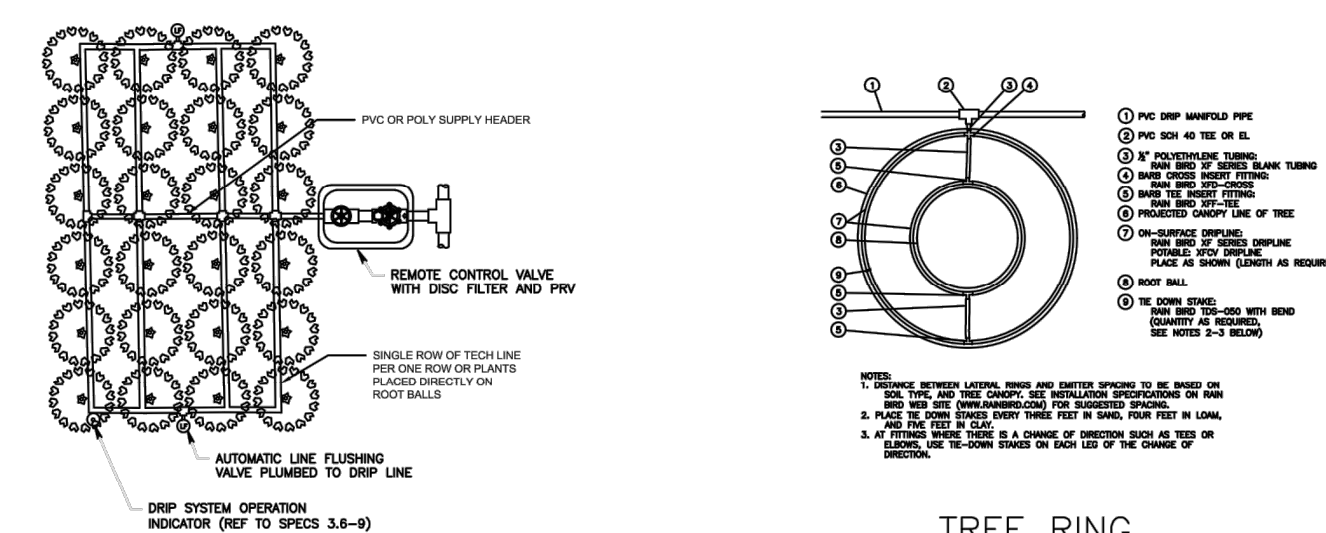


- NOTES:  
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 450 FEET.

F11	RAIN BIRD XCZ-100-PRB-LC DRIP KIT/RAIN BIRD XCZ-150-PRB-COM DRIP KIT
-----	--



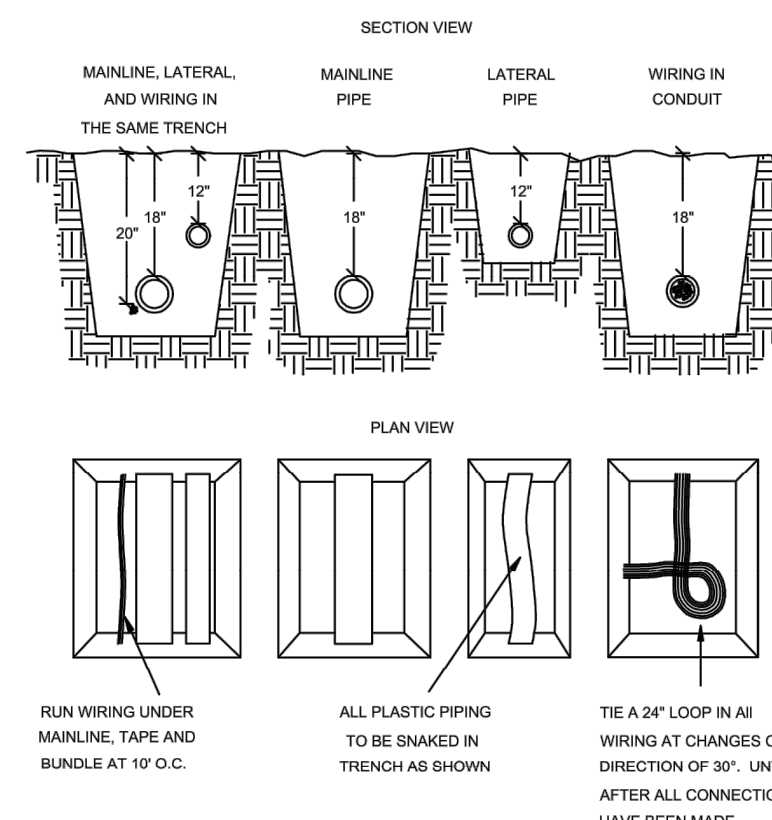
<b>A1</b>	RAIN BIRD 1806 SERIES POP-UP SPRAY HEAD
-----------	---



PLANTING AREA  
(ONE LINE OF TECH LINE PER ROW)

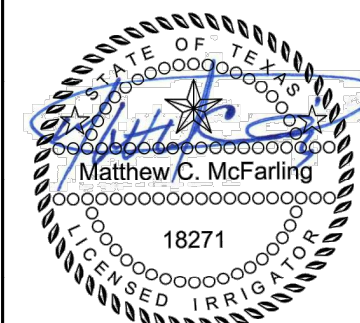
- NOTE:
1. RECOMMENDED MINIMUM FILTRATION: 120 MESH
  2. PRESSURE AT FLUSH VALVE SHALL BE MIN 14.5 PSI
  3. 2 PSI CHECK VALVE (MAX 4.6" OF WATER (ELEVATION CHANGE))
  4. REFER TO MAXIMUM LENGTH OF A SINGLE LATERAL CHART

**A6** | NETAFIM DRIP IRRIGATION TECHLINE-CV-06-12

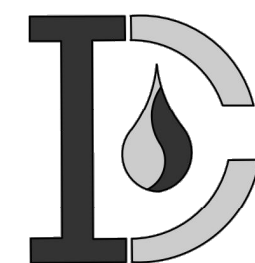


NOTE:  
SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH SCHEDULE 40

## A11 PIPE & WIRE TRENCHING



DATE SIGNED: 05/26/2022  
PROJECT NO.: QT20005\_1873



Irrigation Design & Consulting LLC  
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Website: [www.irrigationplan.com](http://www.irrigationplan.com)  
Phone: (918) 215-4010

QuikTrip No. 1873  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TX



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PROTOTYPE: P-108 (11/01/21)

DIVISION:

VERSION: 00

DESIGNED BY: MCM

DRAWN BY: MCM

REVIEWED BY

REV	DATE	DESCRIPTION
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ORIGINAL ISSUE DATE:

SHEET TITLE:

IRRIGATION DETAILS  
SHEET 1

SHEET NUMBER:

L510



SLWIRE 14-2 OR 12-2

2' EXPANSION COIL AT ALL SPLICES

SLGDT SURGE ARRESTOR EVERY 600'

TYPICAL DECODER SLDEC2

TERMINATE AND GROUND TWO WIRE PATH

SLCONN

SLGDT

SLDEC2

GROUND ROD  
5/8" DIA. x 8'-0" UL LISTED  
COPPER CLAD GROUND ROD.  
(TYPICAL)  
TOP TO BE 6" BELOW GRADE  
AND LOCATED AS CLOSE TO  
CONTROLLER AS POSSIBLE

<b>J1</b>	<b>SYSTEM REQUIREMENTS</b>
NTS	SN:

Straight line configuration, i.e. wire distance to furthest decoder, no loop:

Wire Size (Gauge)	#18	#16	#14	#12
Wire Length (ft)	1,000	2,000	4,000	6,000
Wire Length (m)	300	600	1,200	1,800

Loop Configuration, i.e. wire distance to the furthest decoder in the loop:

Wire Size (Gauge)	#18	#16	#14	#12
Wire Length (ft)	2,000	4,000	10,000	10,000
Wire Length (m)	600	1,200	3,000	3,000

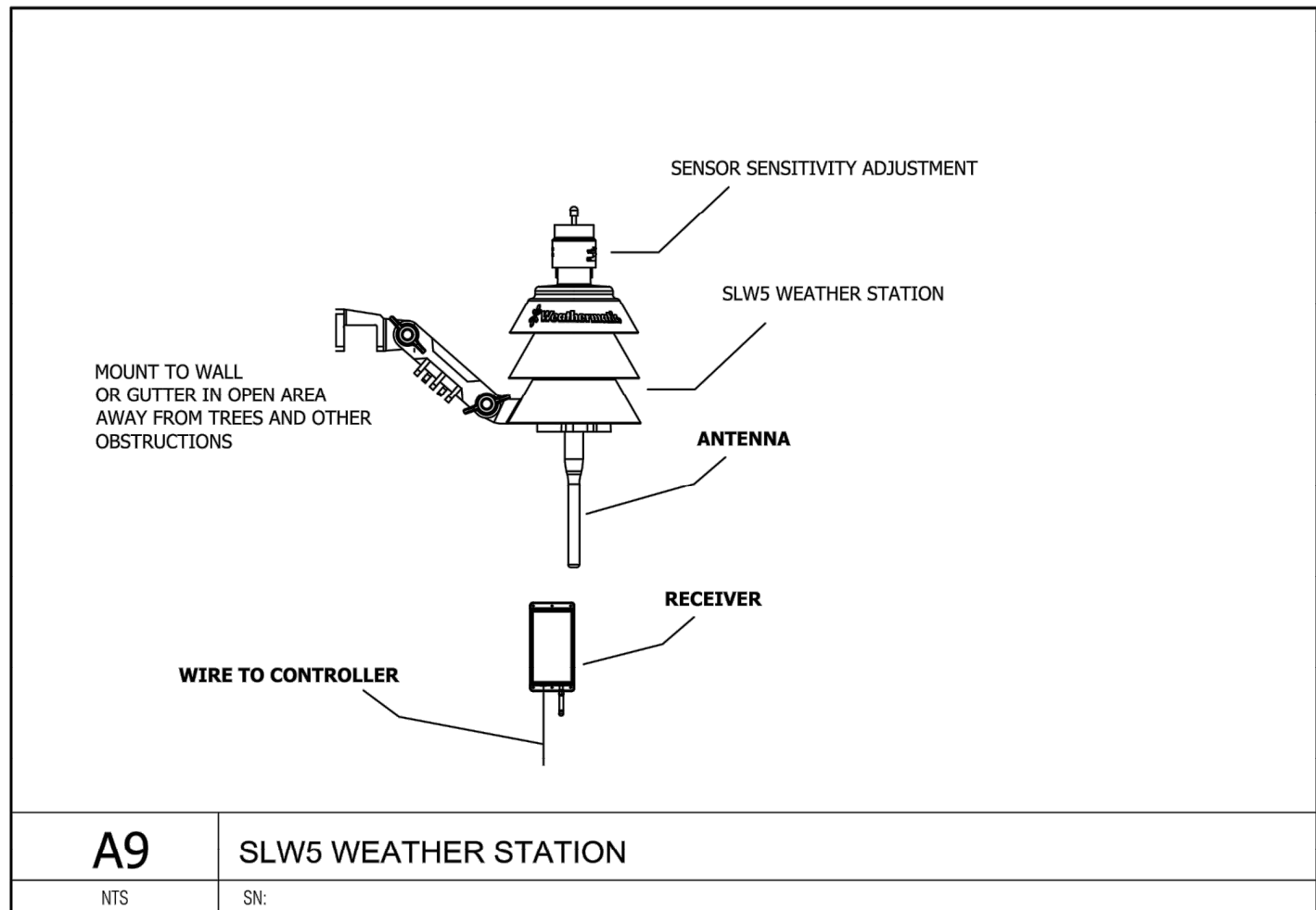
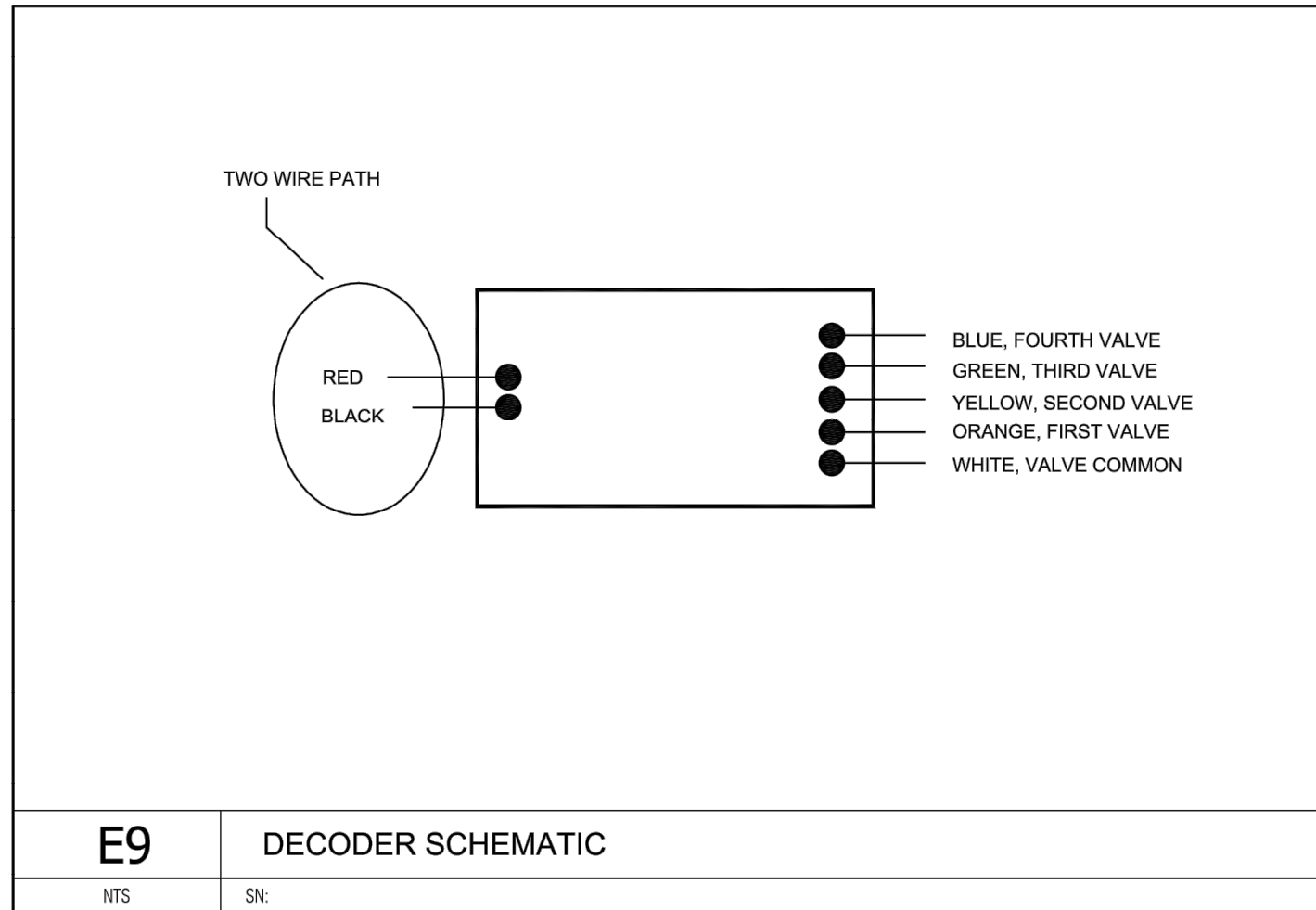
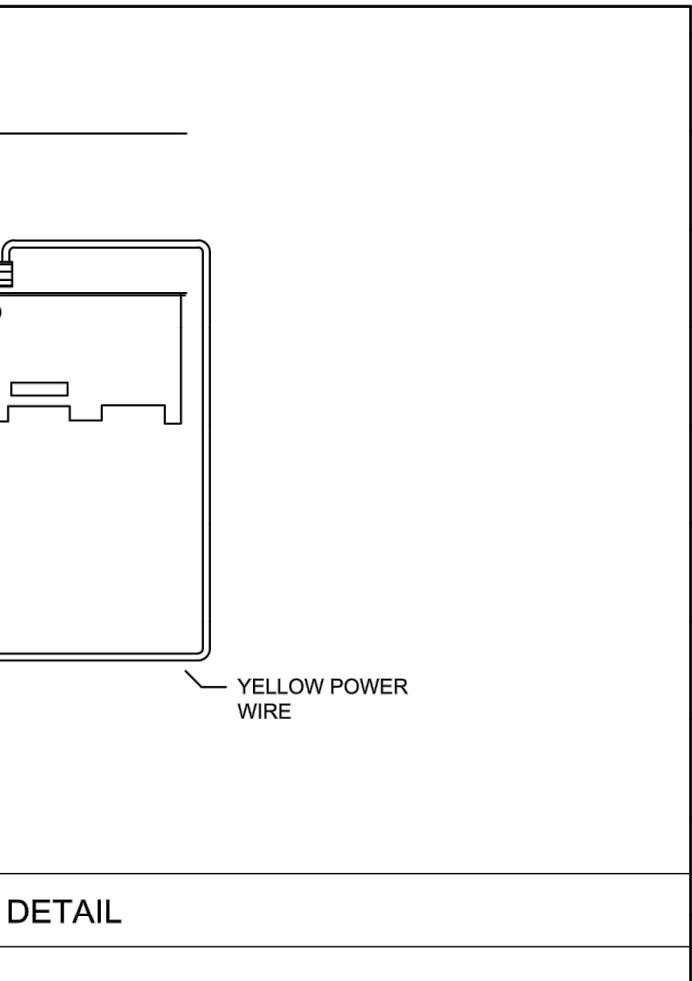
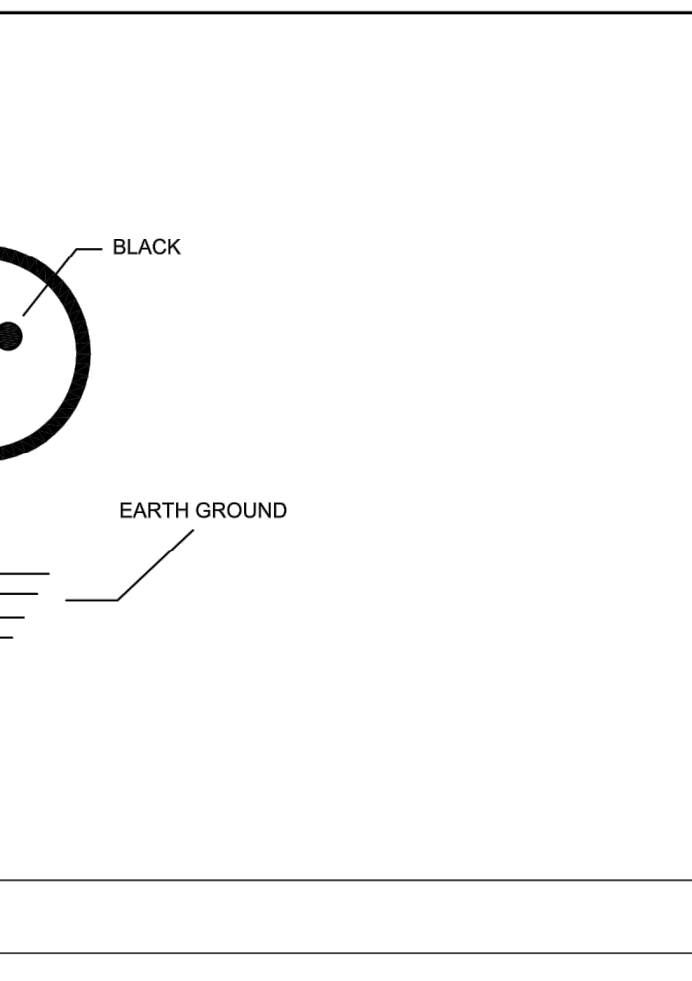
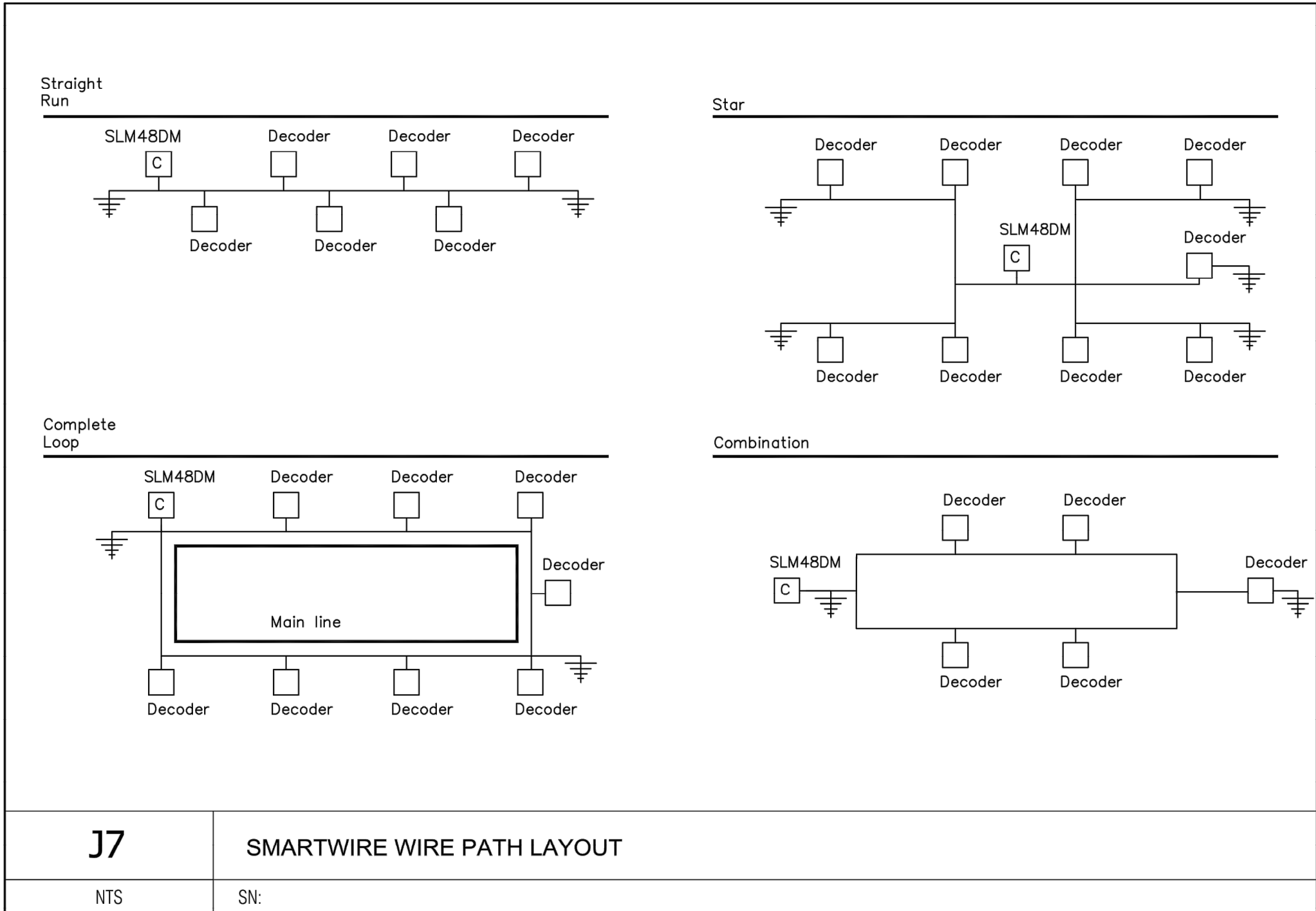
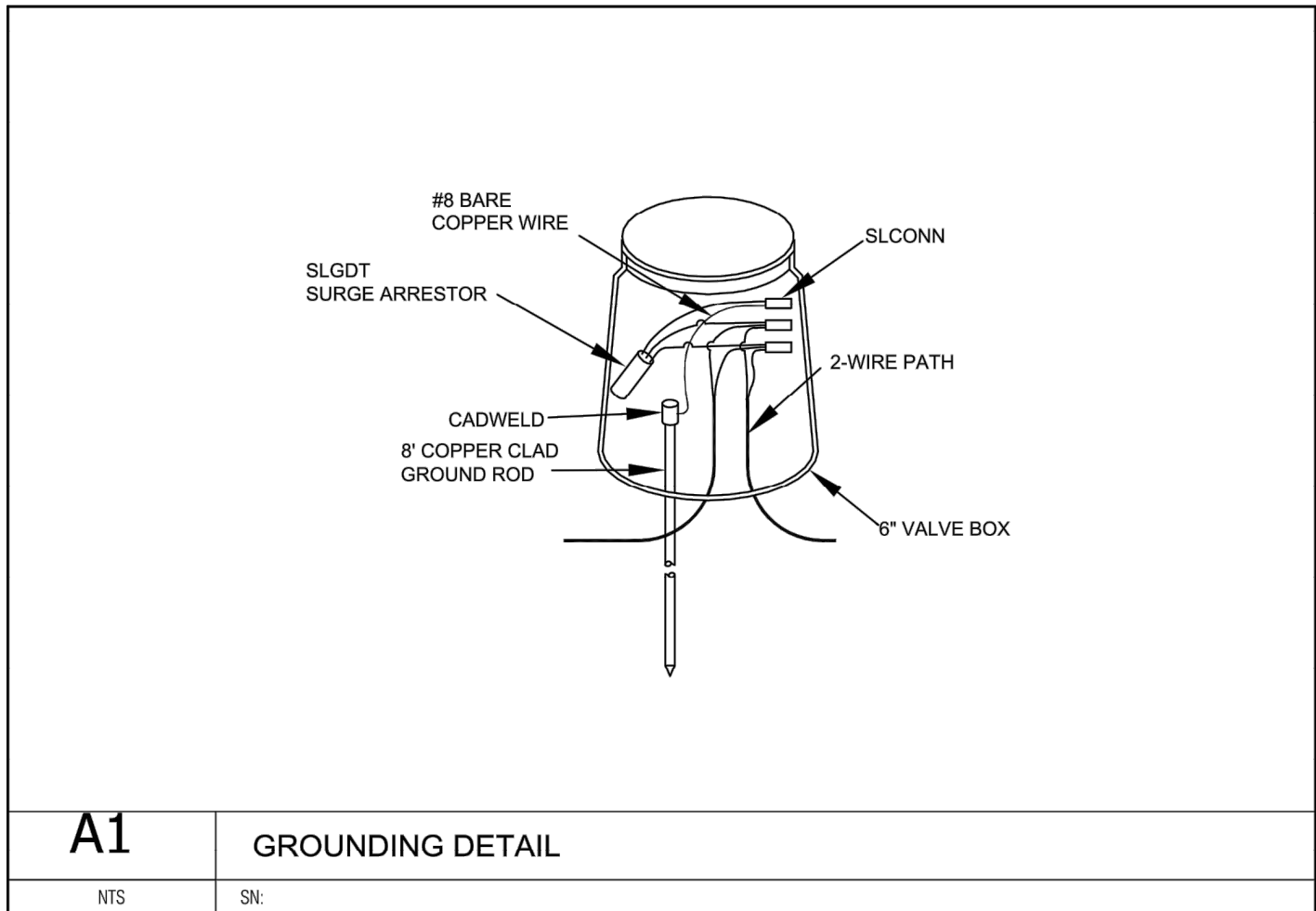
Maximum total wire path length is 10,000 ft. (3,000 m).

E1

NTS

WIRE SIZING

SN:

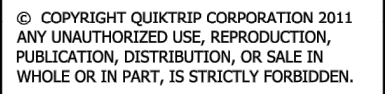


NOTES:

1. Specific wire polarity is required. Maintain red and black wire polarity throughout installation.
2. Maintain independent wire path for each controller. No splicing or joining wire paths for multiple controls.
3. Up to three independent wire paths may be run for each controller.
4. Maximum distance from SLDEC decoders to remote control valve not to exceed 100' (30,5m).
5. Each 2-wire run may be laid out in straight run, complete loop, star, or combination layouts as shown in details. Always terminate and ground each leg of the wire path using manufacturer's recommended grounding methods.
6. Use a continuous loop wire path whenever possible to provide the best communication and power path for the system. Looping provides a redundant path for the controller signal allowing the system to continue operation in the event the wire path is cut.
7. Mark each zone number on the SLDEC decoder. For multi-valve decoders record the zone in order of wire color code: orange, yellow, green, and blue.
8. Mark all zone numbers and decoder locations on the as-built plan for final submittal.
9. Secure all Red and Black 2-wire connections using only manufacturer's supplied SLCONN aluminum connectors and grease filled waterproof connectors.
10. All remote control valve wire splices shall be secured using an encapsulated, gel-filled waterproof wire connector suitable for direct burial and installed according to manufacturer's specifications.
11. Use SmartWire SLWIRE cable supplied by Weathermatic sprinkler division of Telasco Industries to comply with the following specifications:
  - a. Conductors must be soft drawn, annealed, solid copper conforming to ASTM 33.
  - b. Conductor insulation must be 4/64-inch thick polyvinyl chloride (PVC) conforming to UL #493.
  - c. The two insulated conductors laid in parallel and encased in a standard outer jacket of 3/64-inch thick, high-density, sunlight resistant polyethylene conforming to ICEA S-61-402 and NEMA WC5, having a minimum wall thickness of .045-inch.
  - d. The two conductors must be color-coded: normally one conductor red and the other black. Both conductors shall be the same size.
  - e. The following brands meet the above specifications for direct burial cable: Weathermatic SLWIRE12; Weathermatic SLWIRE14.
12. Wire sizing and maximum distance shall not exceed manufacturer's recommendations to avoid voltage loss and insure proper operation of the system.
13. All 2-wire paths under hardscape surfaces shall be sleeved and include no splices of the 2-wire path within 5' of sleeves. Secure a 2" (0,6m) expansion loop in the two-wire path at each change of direction and entry and exit of sleeve locations during wire installation. Release the expansion loops prior to direct burial.
14. Install one SLGDT surge arrester at the following locations along the 2-wire path: within 25' (7,5m) of each controller, the farthest distance on the 2-wire path from the controller, every 300' along the wire path, at any independent branch termination greater than 50' (15m) from than main 2-wire path.
15. Connect each SLGDT to an 8' copper clad UL approved grounding round or other approved grounding method to obtain 12 ohms or less resistance. Use CADWELD TM permanent welded, low-resistance connection to assure best grounding performance. Consult ASIC specification 100-2002 for additional grounding specifications for appropriate for local soil conditions.
16. Use care in stripping all wire connections to avoid damage to the 2-wire shield and red and black wire path. Remove and discard any damaged 2-wire sections and repair using two SLCONN splice kits.
17. Use expansion coils on the red and black wires at each decoder installation. No expansion coils are necessary for the SLGDT.
18. Adhere to all local and national building and electrical codes.



QuikTrip No. 1873  
U.S. HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TX



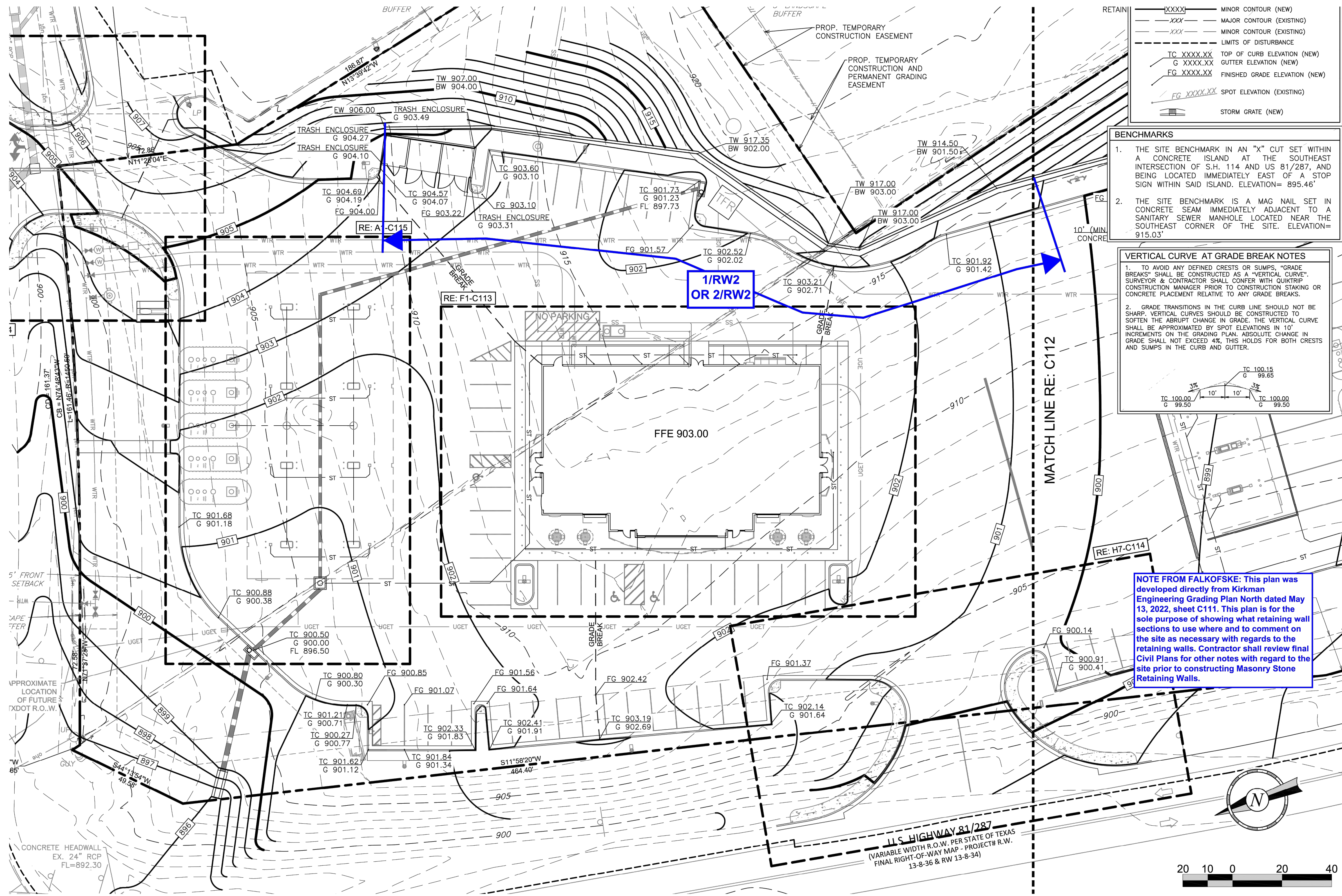
PROTOTYPE: P-108 (11/01/21)
DIVISION:
VERSION: 001
DESIGNED BY: MCM
DRAWN BY: MCM
REVIEWED BY:

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SHEET TITLE:
IRRIGATION DETAILS SHEET 2

SHEET NUMBER:  
  
L511





**BENCHMARKS**

1. THE SITE BENCHMARK IN AN "X" CUT SET WITHIN A CONCRETE ISLAND AT THE SOUTHEAST INTERSECTION OF S.H. 114 AND US 81/287, AND BEING LOCATED IMMEDIATELY EAST OF A STOP SIGN WITHIN SAID ISLAND. ELEVATION= 895.46'

2. THE SITE BENCHMARK IS A MAG NAIL SET IN CONCRETE SEAM IMMEDIATELY ADJACENT TO A SANITARY SEWER MANHOLE LOCATED NEAR THE SOUTHEAST CORNER OF THE SITE. ELEVATION= 915.03'

**VERTICAL CURVE AT GRADE BREAK NOTES**

1. TO AVOID ANY DEFINED CRESTS OR SUMPS, "GRADE BREAKS" SHALL BE CONSTRUCTED AS A "VERTICAL CURVE". SURVEYOR & CONTRACTOR SHALL CONFER WITH QUIKTRIP CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION STAKING OR CONCRETE PLACEMENT RELATIVE TO ANY GRADE BREAKS.

2. GRADE TRANSITIONS IN THE CURB LINE SHOULD NOT BE SHARP. VERTICAL CURVES SHOULD BE CONSTRUCTED TO SOFTEN THE ABRUPT CHANGE IN GRADE. THE VERTICAL CURVE SHALL BE APPROXIMATED BY SPOT ELEVATIONS IN 10' INCREMENTS ON THE GRADING PLAN. ABSOLUTE CHANGE IN GRADE SHALL NOT EXCEED 4%. THIS HOLDS FOR BOTH CRESTS AND SUMPS IN THE CURB AND GUTTER.

**NOTE FROM FALKOFSKE:** This plan was developed directly from Kirkman Engineering Grading Plan North dated May 13, 2022, sheet C111. This plan is for the sole purpose of showing what retaining wall sections to use where and to comment on the site as necessary with regards to the retaining walls. Contractor shall review final Civil Plans for other notes with regard to the site prior to constructing Masonry Stone Retaining Walls.

DATE		BY	DES.	DRN.	CHK.	NO.	DATE	REVISION	BY
03-25-22		AMB							
03-25-22		LAM							
03-25-22		AMB							

Falkofski Engineering, Inc.  
Structural Engineering Consultants  
TX Reg. Engineering Firm F-4038  
722 North Fielder Road  
Arlington, Texas 76012  
(817) 261-8300

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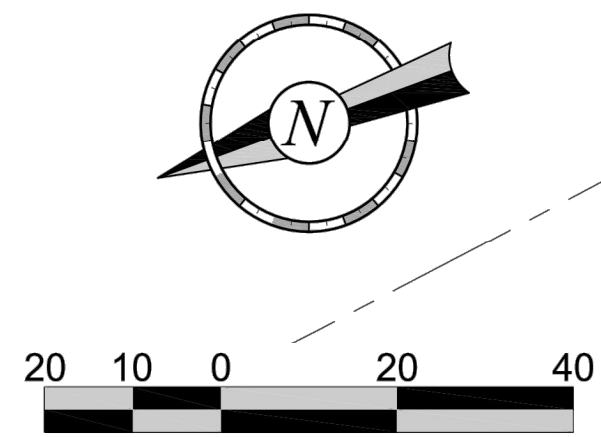
MASONRY RETAINING WALLS - SITE PLAN  
QUIKTRIP STORE #1873  
US HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TEXAS

QUIKTRIP CORPORATION  
TULSA, OKLAHOMA

JOB NO. 119.22

SP1





**NOTE FROM FALKOFSKE:** This plan was developed directly from Kirkman Engineering Grading Plan South dated May 13, 2022, sheet C112. This plan is for the sole purpose of showing what retaining wall sections to use where and to comment on the site as necessary with regards to the retaining walls. Contractor shall review final Civil Plans for other notes with regard to the site prior to constructing Masonry Stone Retaining Walls.


MASONRY RETAINING WALLS - SITE PLAN  
QUIKTRIP STORE #1873  
US HIGHWAY 81/287 & STATE HIGHWAY 114  
RHOME, TEXAS

QUIKTRIP CORPORATION  
TULSA, OKLAHOMA



JOB NO. 119.22

SP2

	DATE	BY		
	DES.	AMB		
	DRN.	LAM		
	CHK.	AMB		
			06-13-22	UPDATED CIVIL GRADING PLAN
			NO.	DATE
			REVISION	BY

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TX Reg. Engineering Firm F-4038  
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Arlington, Texas 76012  
(817) 261-8300

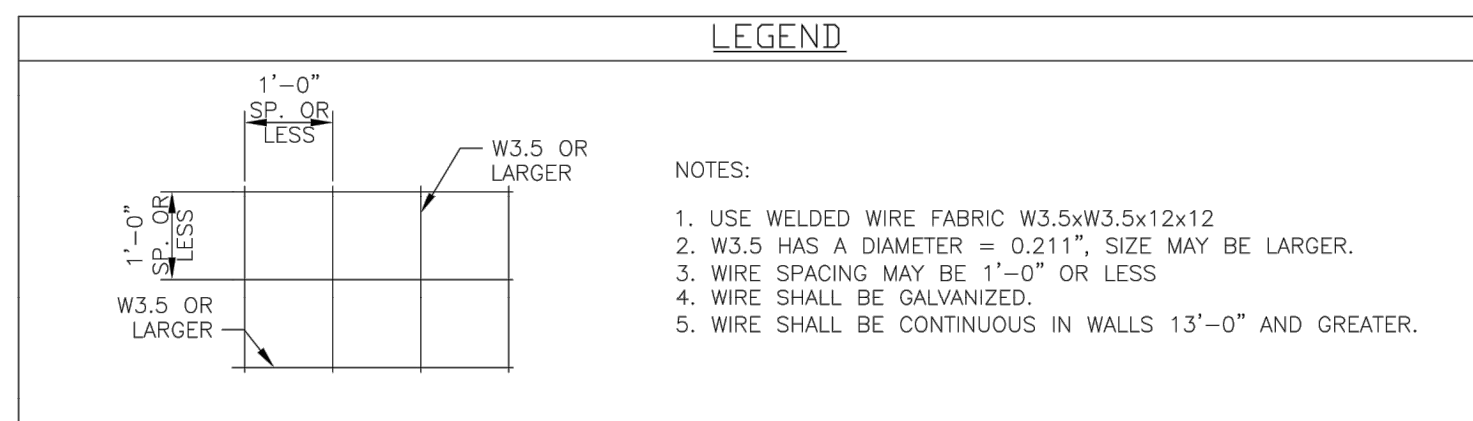
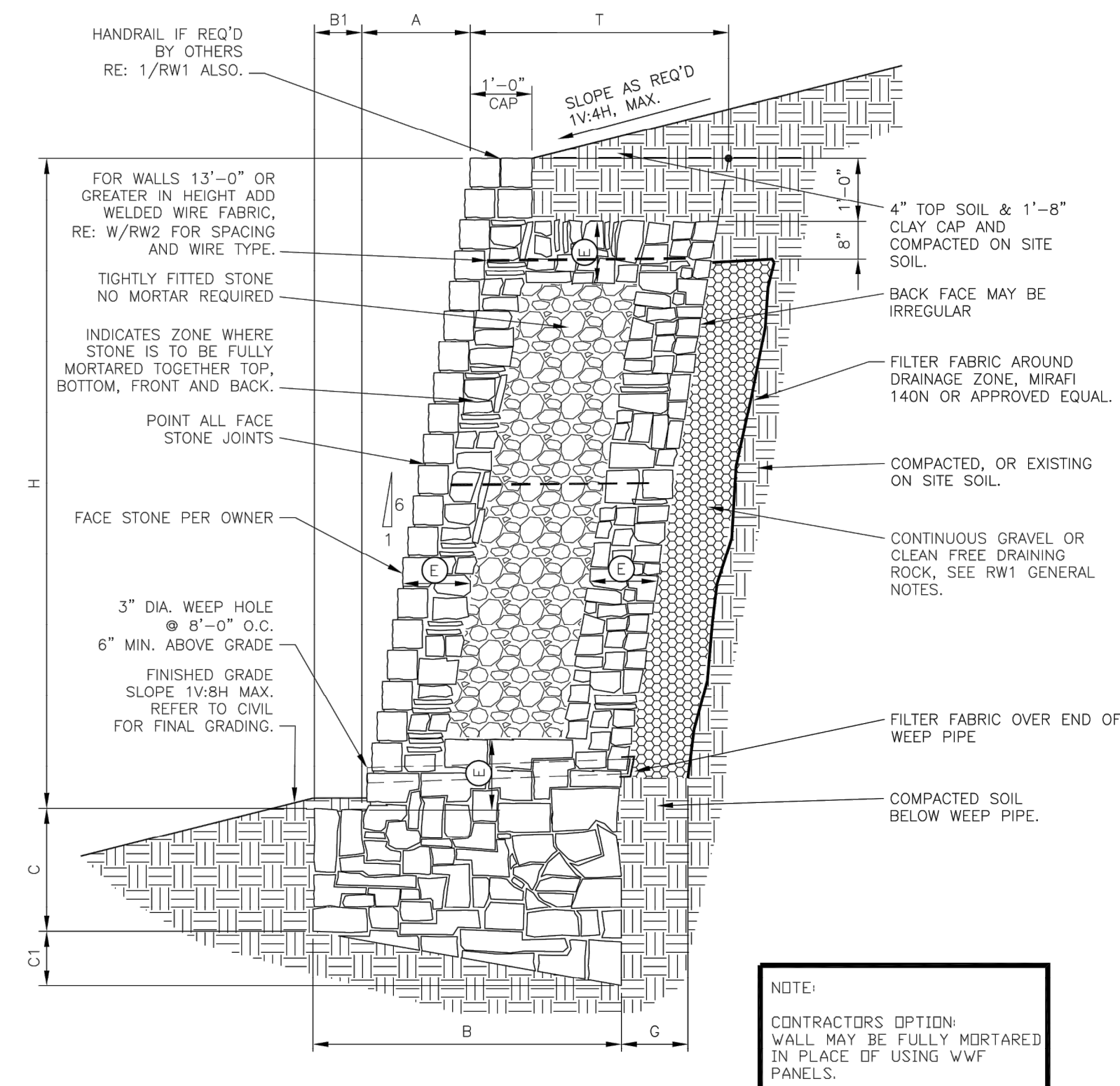


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RW 1





MASONRY WALL SCHEDULE									
2000 psf - BEARING CAPACITY (HARD NATURAL UNDISTURBED SOILS OR COMPACTED AND TESTED SOILS SEE GENERAL NOTES SHEET RW1)									
WALL HEIGHT H	BASE WIDTH (T) B	TOE O1	BASE DEPTH (TOE) O3	BASE DEPTH (HEEL) C1	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS C	BEARING CAPACITY
1'-0"	1'-0"	0'-0"	0'-6"	0'-3"	0'-2"	FULLY MORTARED	1'-0"	0'-6"	2000 psf
2'-0"	1'-3"	0'-3"	0'-9"	0'-3"	0'-4"	FULLY MORTARED	1'-0"	0'-6"	
3'-0"	1'-10"	0'-6"	1'-0"	0'-4"	0'-6"	FULLY MORTARED	1'-4"	0'-6"	
4'-0"	2'-6"	0'-9"	1'-3"	0'-6"	0'-8"	FULLY MORTARED	1'-9"	0'-6"	
5'-0"	3'-6"	1'-0"	1'-6"	0'-8"	0'-10"	0'-8"	2'-6"	1'-0"	
6'-0"	4'-6"	1'-6"	1'-9"	0'-10"	1'-0"	0'-10"	3'-0"	1'-0"	
7'-0"	5'-3"	1'-9"	2'-6"	1'-0"	1'-2"	0'-10"	3'-6"	1'-0"	
8'-0"	6'-0"	2'-0"	3'-3"	1'-1"	1'-4"	1'-0"	4'-0"	1'-0"	
9'-0"	6'-10"	2'-3"	3'-9"	1'-3"	1'-6"	1'-0"	4'-7"	1'-0"	
10'-0"	7'-8"	2'-6"	4'-3"	1'-5"	1'-8"	1'-2"	5'-2"	1'-0"	
11'-0"	8'-6"	2'-9"	4'-9"	1'-6"	1'-10"	1'-2"	5'-9"	1'-0"	2100 psf
12'-0"	9'-5"	3'-0"	5'-3"	1'-8"	2'-0"	1'-4"	6'-5"	1'-0"	2250 psf
13'-0"	10'-3"	3'-3"	5'-9"	1'-10"	2'-2"	1'-4"	7'-0"	1'-3"	2400 psf
14'-0"	11'-2"	3'-6"	6'-3"	2'-0"	2'-4"	1'-6"	7'-8"	1'-3"	2650 psf
15'-0"	12'-1"	3'-9"	6'-6"	2'-2"	2'-6"	1'-6"	8'-4"	1'-3"	2850 psf
16'-0"	13'-0"	4'-0"	7'-0"	2'-4"	2'-8"	1'-8"	9'-0"	1'-3"	2900 psf
WALL DESIGN CRITERIA									
BEARING Qs	SLOPE TOP B	SLOPE BOT B1	ACTIVE PRESSURE Pa	PASSIVE PRESSURE Pp	FRICTION ANGLE BASE B	SLOPE OF FACE OF WALL	SURCHARGE q		
2000psf	14 deg	7.13 deg	26 deg	26 deg	19 deg	99.46 deg	0 psf		
USE THIS SCHEDULE FOR 1/6W2									

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QUIKTRIP CORPORATION  
TULSA, OKLAHOMA



RW2





## TECHNICAL DATA

### MICROFAST® QUICK RESPONSE UPRIGHT SPRINKLER VK300 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

#### 1. DESCRIPTION

The Viking Microfast® Quick Response Upright Sprinkler VK300 is a small, thermosensitive, glass-bulb spray sprinkler available in several different finishes and temperature ratings to meet design requirements. The special Polyester and Electroless Nickel PTFE (ENT) coatings can be used in decorative applications where colors are desired. In addition, these coatings have been investigated for installation in corrosive atmospheres and are listed/approved as corrosion resistant as indicated in the Approval Charts. (Note: **FM global approves the ENT coating as corrosion resistant.** FM Global has no approval classification Polyester coatings as corrosion resistant.)

#### 2. LISTINGS AND APPROVALS



cULus Listed: Category VNIV

FM Approved: Classes 2002 and 2020



Refer to Approval Chart 1 and Design Criteria on for cULus Listing requirements and refer to Approval Chart 2 and Design Criteria FM Approval requirements that must be followed.

#### 3. TECHNICAL DATA

##### Specifications:

Minimum Operating Pressure: 7 psi (0.5 bar)\*  
Maximum Working Pressure: 175 psi (12 bar) wwp.  
Factory tested hydrostatically to 500 psi (34.5 bar)  
Testing: U.S.A. Patent No. 4,831,870  
Thread size: 1/2" NPT, 15 mm BSP  
Nominal K-Factor: 5.6 U.S. (80.6 metric\*\*)  
Glass-bulb fluid temperature rated to -65 °F (-55 °C)  
Overall Length: 2-3/16" (56 mm)

\*cULus Listing, FM Approval, and NFPA 13 installs require a minimum of 7 psi (0.5 bar). The minimum operating pressure for LPCB and CE Approvals ONLY is 5 psi (0.35 bar).

##### Material Standards:

Frame Casting: Brass UNS-C84400 or QM Brass  
Deflector: Brass UNS-C23000 or Copper UNS-C19500  
Bulb: Glass, nominal 3 mm diameter  
Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with PTFE Tape  
Screw: Brass UNS-C36000  
Pip Cap and Insert Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400

For Polyester Coated Sprinklers: Belleville Spring-Exposed

For ENT Coated Sprinklers: Belleville Spring-Exposed, Screw and Pipcap - ENT plated

**Ordering Information:** (Also refer to the current Viking price list.)

Order Viking Microfast® Quick Response Upright Sprinkler VK300 by first adding the appropriate suffix for the sprinkler finish and then the appropriate suffix for the temperature rating to the sprinkler base part number.

Finish Suffix: Brass = A, Chrome = F, White Polyester = M-/W, Black Polyester = M-/B, and ENT = JN

Temperature Suffix (°F/°C): 135°/57° = A, 155°/68° = B, 175°/79° = D, 200°/93° = E, and 286°/141° = G

For example, sprinkler VK300 with a 1/2" NPT thread, Brass finish and a 155 °F/68 °C temperature rating = Part No. 12978AB

**Available Finishes And Temperature Ratings:** Refer to Table 1.

**Accessories:** (Also refer to the "Sprinkler Accessories" section of the Viking data book.)

**Sprinkler Wrench:** Standard Wrench: Part No. 10896W/B (available since 2000)

##### Sprinkler Cabinets:

- A. Six-head capacity: Part No. 01724A (available since 1971)
- B. Twelve-head capacity: Part No. 01725A (available since 1971)

Viking Technical Data may be found on  
The Viking Corporation's Web site at  
<http://www.vikinggroupinc.com>.  
The Web site may include a more recent  
edition of this Technical Data Page.

#### 4. INSTALLATION

Refer to appropriate NFPA Installation Standards.





## TECHNICAL DATA

### MICROFAST® QUICK RESPONSE UPRIGHT SPRINKLER VK300 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

#### 5. OPERATION

During fire conditions, the heat-sensitive liquid in the glass bulb expands, causing the glass to shatter, releasing the pip cap and sealing spring assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

#### 6. INSPECTIONS, TESTS AND MAINTENANCE

Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.

#### 7. AVAILABILITY

The Viking Microfast® Quick Response Upright Sprinkler VK300 is available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

#### 8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

**TABLE 1: AVAILABLE SPRINKLER TEMPERATURE RATINGS AND FINISHES**

Sprinkler Temperature Classification	Sprinkler Nominal Temperature Rating <sup>1</sup>	Maximum Ambient Ceiling Temperature <sup>2</sup>	Bulb Color
Ordinary	135 °F (57 °C)	100 °F (38 °C)	Orange
Ordinary	155 °F (68 °C)	100 °F (38 °C)	Red
Intermediate	175 °F (79 °C)	150 °F (65 °C)	Yellow
Intermediate	200 °F (93 °C)	150 °F (65 °C)	Green
High	286 °F (141 °C)	225 °F (107 °C)	Blue

**Sprinkler Finishes:** Brass, Chrome, White Polyester, Black Polyester, and ENT

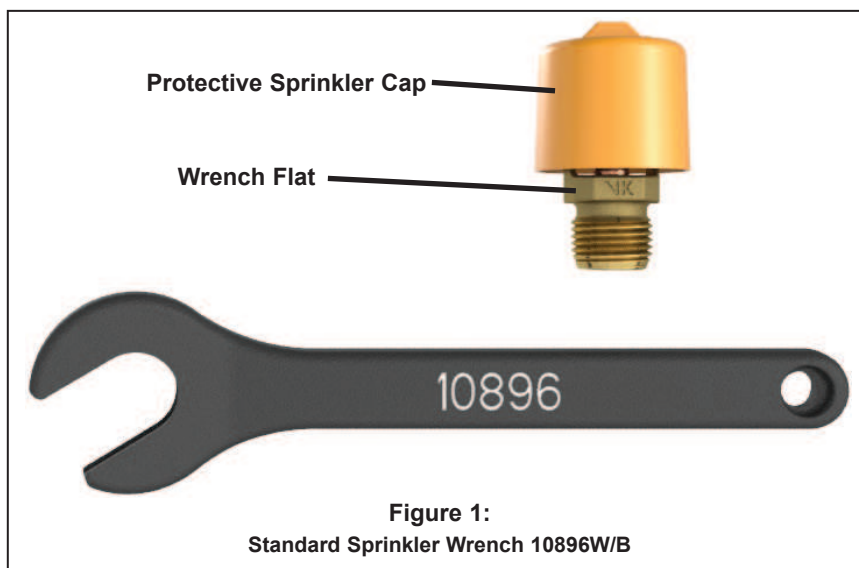
**Corrosion-Resistant Coatings<sup>3</sup>:** White Polyester, Black Polyester, and Black PTFE. ENT in all temperature ratings except 135 °F (57 °C)

#### Footnotes

<sup>1</sup> The sprinkler temperature rating is stamped on the deflector.

<sup>2</sup> Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

<sup>3</sup> The corrosion-resistant coatings have passed the standard corrosion test required by the approving agencies indicated in the Approval Charts. These tests cannot and do not represent all possible corrosive environments. Prior to installation, verify through the end-user that the coatings are compatible with or suitable for the proposed environment. For automatic sprinklers, the coatings indicated are applied to the exposed exterior surfaces only. Note that the spring is exposed on sprinklers with Polyester, ENT, and PTFE coatings. For ENT coated automatic sprinklers, the waterway is coated.



**Figure 1:**

**Standard Sprinkler Wrench 10896W/B**





## TECHNICAL DATA

## MICROFAST® QUICK RESPONSE UPRIGHT SPRINKLER VK300 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

### Approval Chart 1 (UL)

Microfast® Quick Response  
 Upright Sprinkler VK300  
 Maximum 175 PSI (12 bar) WWP

	Temperature	KEY
↓	Finish	
A1X ←	Escutcheon (if applicable)	

Base Part Number <sup>1</sup>	SIN	Thread Size		Nominal K-Factor		Overall Length		Listings and Approvals <sup>3</sup>				
		NPT	BSP	U.S.	metric <sup>2</sup>	Inches	mm	cULus	VdS	LPCB	NYC <sup>8</sup>	CE
12978	VK300	1/2"	15 mm	5.6	80.6	2-3/16	56	A1, B2	--	--	See footnote 7.	--

#### NOTICE - Product Below - Limited Availability (Contact Local Viking Office)

06661B	VK300	1/2"	15 mm	5.6	80.6	2-3/16	56	A1, B2	--	--	See footnote 7.	--
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#### Approved Temperature Ratings

A - 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), and 286 °F (141°C)

B - 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), and 286 °F (141°C)

#### Approved Finishes

1 - Brass, Chrome, White Polyester<sup>5,6</sup>, and Black Polyester<sup>5,6</sup>  
 2 - ENT<sup>6</sup>

#### Footnotes

<sup>1</sup> Base part number is shown. For complete part number, refer to Viking's current price schedule.

<sup>2</sup> Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

<sup>3</sup> This table shows the listings and approvals available at the time of printing. Check with the manufacturer for any additional approvals.

<sup>4</sup> Listed by Underwriters Laboratories Inc. for us in the U.S. and Canada

<sup>5</sup> Other colors are available on request with the same Listings and Approvals as the standard colors.

<sup>6</sup> cULus Listed as corrosion resistant.

<sup>7</sup> Meets New York City requirements, effective July 1, 2008

<sup>8</sup> Accepted for use, City of New York Board of Standards and Appeals, Calendar Number 219-76-SA and City of New York Department of Buildings, MEA 89-92-E, Vol. 16.

### DESIGN CRITERIA - UL

(Also refer to Approval Chart 1 above.)

#### cULus Listing Requirements:

The Viking Microfast® Quick Response Upright Sprinkler VK300 is cULus Listed as indicated in Approval Chart 1 for installation in accordance with the latest edition of NFPA 13 for standard spray sprinklers.

- Designed for use in Light and Ordinary Hazard occupancies.
- The sprinkler installation rules contained in NFPA 13 for standard spray upright sprinklers must be followed.

**IMPORTANT: Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to page QR1-3 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.**





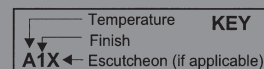
## TECHNICAL DATA

### MICROFAST® QUICK RESPONSE UPRIGHT SPRINKLER VK300 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

#### Approval Chart 2 (FM)

Microfast® Quick Response  
Upright Sprinkler VK300  
Maximum 175 PSI (12 bar) WWP



Base Part Number <sup>1</sup>	SIN	Thread Size		Nominal K-Factor		Overall Length		FM Approvals <sup>3</sup> (Refer also to Design Criteria below.)
		NPT	BSP	U.S.	metric <sup>2</sup>	Inches	mm	
12978	VK300	1/2"	15 mm	5.6	80.6	2-3/16	56	A1, B2
NOTICE - Product Below - Limited Availability (Contact Local Viking Office)								
06661B	VK300	1/2"	15 mm	5.6	80.6	2-3/16	56	A1, B2
Approved Temperature Ratings A - 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), and 286 °F (141°C) B - 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), and 286 °F (141°C)							Approved Finishes 1 - Brass, Chrome, White Polyester <sup>5</sup> , and Black Polyester <sup>5</sup> 2 - ENT <sup>6</sup>	
Footnotes  <sup>1</sup> Base part number is shown. For complete part number, refer to Viking's current price schedule. <sup>2</sup> Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0. <sup>3</sup> This table shows the FM Approvals available at the time of printing. Check with the manufacturer for any additional approvals. <sup>5</sup> Other colors are available on request with the same Approvals as the standard colors. <sup>6</sup> FM approved as corrosion resistant.								

#### DESIGN CRITERIA - FM

(Also refer to Approval Chart 2 above.)

##### FM Approval Requirements:

The Microfast® Quick Response Upright Sprinkler VK300 is FM Approved as a quick response **Non-Storage** upright sprinkler as indicated in the FM Approval Guide. For specific application and installation requirements, reference the latest applicable FM Loss Prevention Data Sheets (including Data Sheet 2-0). FM Global Loss Prevention Data Sheets contain guidelines relating to, but not limited to: minimum water supply requirements, hydraulic design, ceiling slope and obstructions, minimum and maximum allowable spacing, and deflector distance below the ceiling.

**NOTE: The FM installation guidelines may differ from cULus and/or NFPA criteria.**

**IMPORTANT: Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to page QR1-3 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.**





## TECHNICAL DATA

## MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK464 (K8.0)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page [www.vikinggroupinc.com](http://www.vikinggroupinc.com).

### 1. DESCRIPTION

Viking Mirage® Quick Response Concealed Pendent Sprinkler VK464 is a thermosensitive glass-bulb spray sprinkler designed for installation on concealed pipe systems where the appearance of a smooth ceiling is desired.

The sprinkler is pre-assembled with a threaded adapter for installation with a low-profile cover assembly that provides up to ½" (13 mm) of vertical adjustment. The two-piece design allows installation and testing of the sprinkler prior to installation of the cover plate. The "push-on" and "thread-on" designs of the concealed cover plate assemblies allow easy installation of the cover plate after the system has been tested and the ceiling finish has been applied. The cover assembly can be removed and reinstalled, allowing temporary removal of ceiling panels without taking the sprinkler system out of service or removing the sprinkler.

The Electroless Nickel PTFE (ENT) coating has been investigated for installation in corrosive environments and is listed and approved as indicated in the Approval Charts. The ENT finish is only available for the sprinkler assembly, the cover plate is not plated.

### 2. LISTINGS AND APPROVALS



**cULus Listed:** Category VNIV

**NYC Approved:** MEA 89-92-E, Volume 32

Refer to the Approval Chart and Design Criteria for cULus Listing requirements that must be followed.

### 3. TECHNICAL DATA

#### Specifications:

Available since 2006.

Minimum Operating Pressure: 7 psi (0.5 bar).

Maximum Working Pressure: 175 psi (12 bar). Factory tested hydrostatically to 500 psi (34.5 bar).

Thread size: ¾" (20 mm) NPT

Nominal K-Factor: 8.0 U.S. (115.2 metric\*)

\* Metric K-factor measurement is shown in bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

Glass-bulb fluid temperature rated to -65 °F (-55 °C)

Patents Pending

#### Material Standards:

Sprinkler Body: Brass UNS-C84400

Deflector: Phosphor Bronze UNS-C51000

Deflector Pins: Stainless Steel UNS-S30300

Bulb: Glass, nominal 3 mm diameter

Pip Cap and Insert Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400

Button: Brass UNS-C36000

Screws: 18-8 Stainless Steel

Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with Teflon Tape

Yoke: Phosphor Bronze UNS-C51000

Cover Adapter: Cold Rolled Steel UNS-G10080, Finish: Clear Chromate over Zinc Plating

#### Cover Assembly Materials:

Cover: Copper UNS-C11000

Base: Brass UNS-C26000 or UNS-C26800

Springs: Nickel Alloy

Solder: Eutectic

**Ordering Information:** The sprinkler and cover plate must be ordered separately. Refer to Tables 1 and 2.

### 4. INSTALLATION

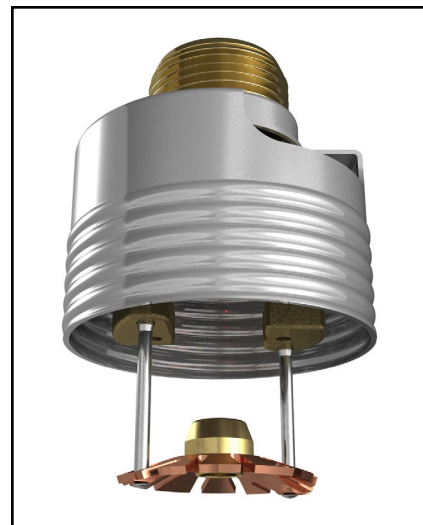
Refer to appropriate NFPA Installation Standards.

### 5. OPERATION

During fire conditions, when the temperature around the sprinkler approaches its operating temperature, the cover plate detaches. Continued heating of the exposed sprinkler causes the heat-sensitive liquid in the glass bulb to expand and the bulb to shatter, releasing the yoke, pip-cap and sealing spring assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

### 6. INSPECTIONS, TESTS AND MAINTENANCE

Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.



**WARNING:** Cancer and Reproductive Harm-  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





## TECHNICAL DATA

## MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK464 (K8.0)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page [www.vikinggroupinc.com](http://www.vikinggroupinc.com).

### 7. AVAILABILITY

The Viking Mirage® Quick Response Concealed Pendent Sprinkler VK464 is available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

### 8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

**TABLE 1: SPRINKLER ORDERING INFORMATION**

#### Instructions:

- (1) Select a Sprinkler Base Part Number
- (2) Add the suffix for the desired Finish
- (3) Add the suffix for the desired Sprinkler Temperature Rating
- (4) Order a cover plate (refer to Table 2)

#### Example:

13614AE = 200 °F (93 °C) Temperature Rated Sprinkler with a standard Brass finish.

SIN	Sprinkler Base Part Number	Size		1: Finishes		2: Temperature Ratings				
		NPT Inch	BSPT mm	Description	Suffix <sup>1</sup>	Sprinkler Temperature Classification	Nominal Rating	Bulb Color	Max. Ambient Ceiling Temperature <sup>2</sup>	Suffix
VK464	13614	3/4	--	Brass	A	Ordinary	155 °F (68 °C)	Red	100 °F (38 °C)	B
				ENT <sup>3,4</sup>	JN	Intermediate	175 °F (79 °C)	Yellow	150 °F (65 °C)	D
						Intermediate	200 °F (93 °C)	Green	150 °F (65 °C)	E

#### Accessories

##### Sprinkler Wrenches and tools:

- A. Heavy Duty Part Number: 14047W/B<sup>5</sup> (available since 2006)
- B. Head Cabinet Wrench Part Number: 14031<sup>6</sup> (available since 2006)
- C. Optional Concealed Cover Plate Installer Tool Part Number: 14412<sup>7</sup> (available since 2007)
- D. Optional Large Concealed Cover Plate Installer Tool Part No. 14867<sup>7</sup> (available since 2007)

##### Sprinkler Cabinet:

Holds up to 6 sprinklers: Part number 01731A (available since 1971).

#### Footnotes

1. Where a dash (-) is shown in the Finish suffix designation, insert the desired Temperature Rating suffix. See example above.
2. Based on NFPA 13, NFPA 13R, and NFPA 13D. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.
3. cULus Listed as corrosion resistant.
4. The corrosion resistant and corrosion proofing coatings have passed the standard corrosion test required by the approving agencies indicated in the Approval Chart. These tests cannot and do not represent all possible corrosive environments. Prior to installation, verify through the end-user that the coatings are compatible with or suitable for the proposed environment. For automatic sprinklers, the ENT coating is applied to all exposed exterior surfaces, including the waterway.
5. Requires a 1/2" ratchet (not available from Viking).
6. Also optional for removal of the protective cap. Ideal for sprinkler cabinets.
7. The installer tool is for push-on style cover plates only.





## TECHNICAL DATA

## MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK464 (K8.0)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
 Visit the Viking website for the latest edition of this technical data page [www.vikinggroupinc.com](http://www.vikinggroupinc.com).

**TABLE 2: COVER PLATE ORDERING INFORMATION**

**Instructions:**

- (1) Select a Cover Plate Base Part Number
- (2) Add the suffix for the desired Finish
- (3) Add the suffix for the required Cover Plate Nominal Rating.

**Example:**

23190MC/W = 165 °F (74 °C) Temperature Rated 2-3/4" (70 mm) diameter Round Cover Plate with a Painted White finish.

1: Select a Cover Plate Base Part Number <sup>3</sup>						2: Select a Finish	
Thread-On Style			Push-On Style				
Base Part Number	Size Inch (mm)	Type	Base Part Number	Size Inch (mm)	Type	Description	Suffix <sup>5</sup>
23190	2-3/4 (70)	Round	23447	2-3/4 (70)	Round	Polished Chrome	F
23174	3-5/16 (84)	Round	23463	3-5/16 (84)	Round	Brushed Chrome	F-/B
23179	3-5/16 (84)	Square	23482	3-5/16 (84)	Square	Bright Brass	B
						Antique Brass	B-/A
						Brushed Brass	B-/B
						Brushed Copper	E-/B
						Painted White	M-/W
						Painted Ivory	M-/I
						Painted Black	M-/B
3: Temperature Rating Matrix <sup>1,2</sup>							
Cover Plate Nominal Rating (Required)		Temperature Classification	Sprinkler Nominal Rating		Sprinkler Maximum Ambient Ceiling Temperature <sup>2</sup>		Suffix
UL: 135 °F (57 °C)		Ordinary	155 °F (68 °C)		100 °F (38 °C)		A
165 °F (74 °C)		Intermediate	175 °F (79 °C)		150 °F (65 °C)		C
165 °F (74 °C)		Intermediate	200 °F (93 °C)		150 °F (65 °C)		C

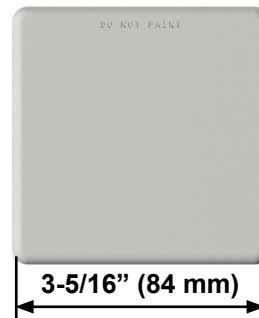
**Footnotes**

1. The sprinkler temperature rating is stamped on the deflector.
2. Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.
3. Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.
4. Where a dash (-) is shown in the Finish suffix designation, insert the desired Temperature Rating suffix. See example above.
5. Square cover plate 23179 cULus Listing is for the 135 °F (57 °C) temperature rated cover plate only. Refer to the Approval Chart.



All custom color painted cover plates will have an identifying label affixed to the inside of the cover that indicates the custom color and will have a representative sample (a paint dot) of the paint on the label.

**Figure 1: Identification of Custom Paint for Concealed Covers**



**Figure 2: Square Cover Assembly**





## TECHNICAL DATA

## MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK464 (K8.0)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
 Visit the Viking website for the latest edition of this technical data page [www.vikinggroupinc.com](http://www.vikinggroupinc.com).

### Approval Chart

Mirage® Quick Response Concealed Pendent Sprinkler VK464  
 Maximum 175 PSI (12 bar) WWP

Sprinkler Base Part Number <sup>1</sup>	SIN	NPT Thread Size		Nominal K-Factor		Listings and Approvals <sup>3</sup> (Refer also to Design Criteria)	
		Inch	mm	U.S.	metric <sup>2</sup>	cULus <sup>4</sup>	NYC <sup>5</sup>
13614A	VK464	3/4"	20	8.0	115.2	AW1, BX1	AW1, BX1
13614JN <sup>8</sup>	VK464	3/4"	20	8.0	115.2	AW1, BX1	AW1, BX1
<b>Sprinkler Temperature Ratings</b> A - 155°F (68°C) B - 175°F (79°C) and 200°F (93°C)		<b>Cover Plate Assembly Temp. Ratings<sup>6</sup></b> W - 135°F (57°C) cover, 23190 <sup>1</sup> , 23447 <sup>1</sup> , 23174 <sup>1</sup> , 23463 <sup>1</sup> (large diameter), or 23179 <sup>1</sup> , 23482 <sup>1</sup> (square cover plate) X - 165°F (74°C) cover 23190 <sup>1</sup> , 23447 <sup>1</sup> , 23174 <sup>1</sup> , 23463 <sup>1</sup> (large diameter)				<b>Finishes of the Cover Plate Assembly<sup>7</sup></b> 1 - Polished Chrome, Brushed Chrome, Bright Brass, Antique Brass, Brushed Brass, Brushed Copper, Painted White, Painted Ivory, or Painted Black	

#### Footnotes

- Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.
- Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
- This chart shows the listings and approvals available at the time of printing. Other approvals may be in process. Check with the manufacturer for any additional approvals.
- Listed by Underwriter's Laboratories for use in the U.S. and Canada.
- Accepted for use, City of New York Department of Buildings, MEA Number 89-92-E, Vol. 32.
- The 135°F cover has an orange label. The 165°F cover has a white label.
- Standard painted finishes consist of Polyester Baked Enamel. Other paint colors are available on request with the same listings as the standard paint colors. Listings and approvals apply for any paint manufacturer. Contact Viking for additional information.
- cULus Listed as corrosion resistant.

**NOTE: Custom colors are indicated on a label inside the cover assembly. Refer to Figure 1.**

### DESIGN CRITERIA

(Also refer to the Approval Chart.)

#### cULus Listing Requirements:

Mirage® Quick Response Concealed Pendent Sprinkler VK464 is cULus Listed for installation in accordance with the latest edition of NFPA 13 for standard coverage pendent spray sprinklers as indicated below:

- For hazard occupancies up to and including Ordinary Hazard, Group II.
- Protection areas and maximum spacing shall be in accordance with the tables provided in NFPA 13. Maximum spacing allowed is 15 ft. (4.6 m).
- Minimum spacing allowed is 6 ft. (1.8 m) unless baffles are installed in accordance with NFPA 13.
- Minimum distance from walls is 4 in. (102 mm).
- Maximum distance from walls shall be no more than one-half of the allowable distance between sprinklers. The distance shall be measured perpendicular to the wall.
- The sprinkler obstruction rules contained in NFPA 13 for standard coverage pendent spray sprinklers must be followed.

**NOTE: Concealed sprinklers must be installed in neutral or negative pressure plenums only.**

**IMPORTANT: Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to Form No. F\_080416 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, Assemblée Plénier, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.**





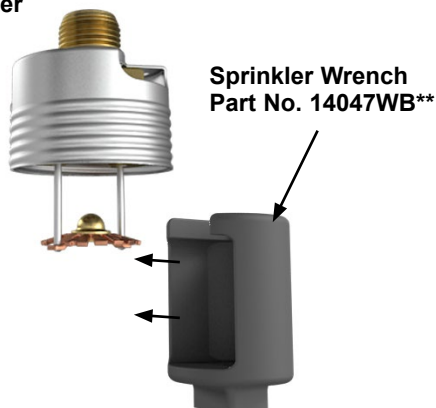
## TECHNICAL DATA

## MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK464 (K8.0)

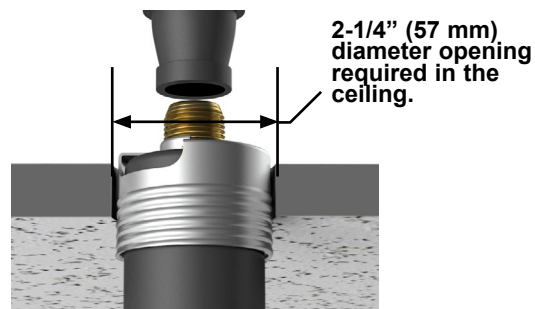
The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
 Visit the Viking website for the latest edition of this technical data page [www.vikinggroupinc.com](http://www.vikinggroupinc.com).

### Sprinkler and Adapter Assembly

- Protective cap removed
- Use wrench 14031\*\*

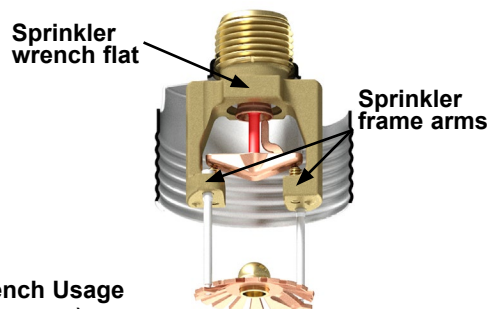


**Step 1:**  
Carefully slide the wrench sideways around the deflector and pins

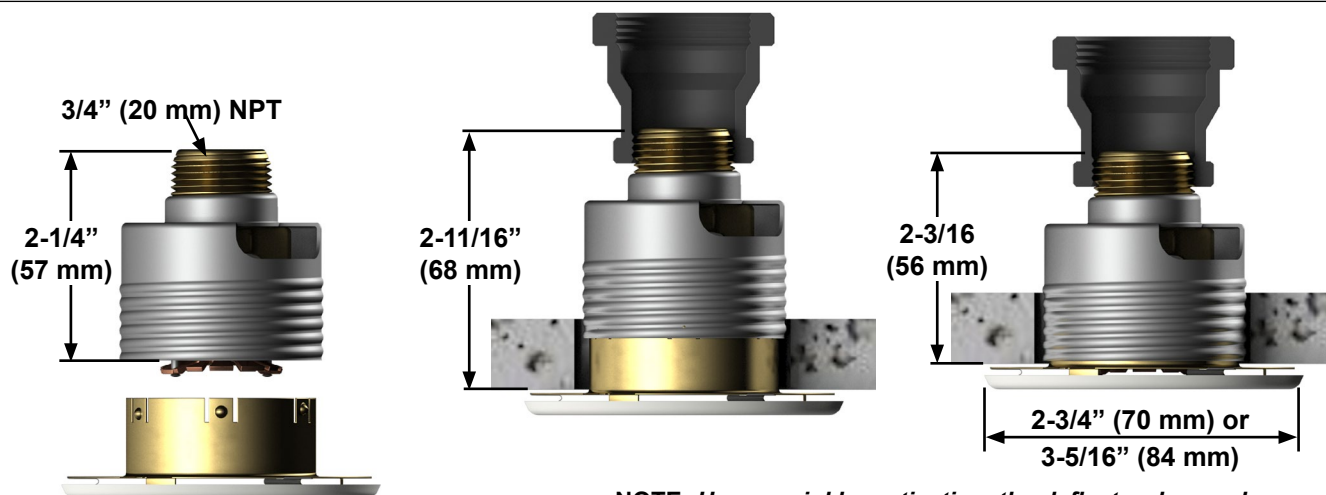


**Step 2:**  
Carefully press the wrench upward and turn slightly to ensure engagement with the sprinkler wrench flats.

**NEVER** install the sprinkler by applying the installation wrench across the frame arms. **DO NOT** overtighten. Use only the designated sprinkler wrenches, Part Numbers 14047WB\*\* or 14031\*\*. A leak-tight seal should be achieved by turning the sprinkler clockwise 1 to 1-1/2 turns beyond finger tight.



**Figure 3: Sprinkler Installation and Proper Wrench Usage**  
 \*\* A 1/2" ratchet is required (Not available from us.)



**NOTE:** Upon sprinkler activation, the deflector descends to approximately 13/16" (21 mm) below the sprinkler body.

**Figure 5: Sprinkler Dimensions and Cover Installation-VK464**





## TECHNICAL DATA

### MIRAGE® STANDARD AND QR CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

#### 1. DESCRIPTION

Viking Mirage® Standard and Quick Response Concealed Pendent Sprinkler VK462 and HP Sprinkler VK463 are thermosensitive glass-bulb spray sprinklers designed for installation on concealed pipe systems where the appearance of a smooth ceiling is desired.

The sprinkler is pre-assembled with a threaded adapter for installation with a low-profile cover assembly that provides up to ½" (12.7 mm) of vertical adjustment. The two-piece design allows installation and testing of the sprinkler prior to installation of the cover plate. The "push-on", "thread-off" design of the concealed cover plate assembly allows easy installation of the cover plate after the system has been tested and the ceiling finish has been applied. The cover assembly can be removed and reinstalled, allowing temporary removal of ceiling panels without taking the sprinkler system out of service or removing the sprinkler.



#### 2. LISTINGS AND APPROVALS

**cULus Listed:** Category VNIV

**FM Approval:** Class 2015

**NYC Approved:** MEA 89-92-E, Volume 32

**LPC Approved:** Ref. No. 096e/12

**CE Certified:** Standard EN 12259-1, EC-certificate of conformity 0832-CPD-2032

Refer to the Approval Chart on page 54c and Design Criteria on page 54d for cULus Listing requirements that must be followed.

#### 3. TECHNICAL DATA

##### Specifications:

Available since 2006.

Minimum Operating Pressure: 7 psi (0.5 bar)

**Maximum Working Pressure: Sprinkler VK463 is rated for use with water working pressures ranging from the minimum 7 psi (0.5 bar) up to 250 psi (17.2 bar) for high-pressure systems. High-pressure (HP) sprinklers can be identified by locating "250" stamped on the deflector. Sprinkler VK462 is rated to a maximum 175 psi (12 bar) wwp.**

Factory tested hydrostatically to 500 psi (34.5 bar)

Testing: U.S.A. Patent No. 4,831,870

Thread size: 1/2" (15 mm) NPT

Nominal K-Factor: 5.6 U.S. (80.6 metric\*)

\*Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

Glass-bulb fluid temperature rated to -65 °F (-55 °C)

Patents Pending

##### Material Standards:

Sprinkler Body: Brass UNS-C84400

Deflector: Copper UNS-C19500 for Sprinkler VK462

Phosphor Bronze UNS-C51000 for Sprinkler VK463

Deflector Pins: Stainless Steel Alloy

Bulb: Glass, nominal 3 mm diameter

Pip Cap and Insert Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400

Button: Brass UNS-C36000

Screws: 18-8 Stainless Steel

Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with Teflon Tape

Yoke: Phosphor Bronze UNS-C51000

Cover Adapter: Cold Rolled Steel UNS-G10080, Finish: Clear Chromate over Zinc Plating

Viking Technical Data may be found on  
The Viking Corporation's Web site at  
<http://www.vikinggroupinc.com>.  
The Web site may include a more recent  
edition of this Technical Data Page.





## TECHNICAL DATA

### MIRAGE® STANDARD AND QR CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

#### Cover Assembly Materials:

Cover: Copper UNS-C11000

Base: Brass UNS-C26000 or UNS-C26800

Springs: Nickel Alloy

Solder: Eutectic

#### Ordering Information: (Also refer to the current [Viking price list](#).)

Viking Mirage® Standard and Quick Response Concealed Pendent Sprinklers and Cover Plate Assemblies must be ordered separately:

**Sprinkler:** Base Part No. 13503A, 14697A, or HP Base Part No. 13667A

Specify sprinkler temperature rating by adding the appropriate suffix for the temperature rating to the base part number:

Temperature Suffix (°F/°C): 155°/68° = B, 175°/79° = D, 200°/93° = E

For example, sprinkler VK463 with a 155 °F/68 °C temperature rating = 13667AB.

**Cover Plate Assembly:** Base Part No. 13504 (2-3/4" diameter) or Base Part No. 13642 (3-5/16" diameter)

Specify finish and temperature rating of the cover plate assembly by first adding the appropriate suffix for the finish and then the appropriate suffix for the cover temperature rating to the base part number:

Finish Suffix: Polished Chrome = F, Painted White = M-/SW1004, Painted Ivory = M-/SW1634, Painted Black = M-/SW1007

Temperature Suffix (°F/°C): 135°/57° UL (139°/59° FM) = A, 165°/74° = C

For example, cover 13504 with a Polished Chrome finish and a 165 °F/74 °C temperature rating = 13504FC.

#### Available Finishes And Temperature Ratings:

Refer to Table 1

**Accessories:** (Also refer to the "Sprinkler Accessories" section of the Viking data book.)

#### Sprinkler Wrenches\*\*:

A. Heavy Duty Wrench Part No. 14047W/B (available since 2006), or

B. Head Cabinet Wrench Part No. 14031\*\*\* (available since 2006)

C. Optional Concealed Cover Plate Installer Tool Part No. 14412 for cover 13504, or Part No. 14867 for the large diameter cover (available since 2007)

\*\*Requires a 1/2" ratchet (not available from Viking). \*\*\*Optional for removal of the protective cap. Ideal for sprinkler cabinets.

**Sprinkler Cabinet:** Part No. 01731A, Capacity: five (5) sprinklers (available since 1971)

## 4. INSTALLATION

Refer to appropriate NFPA Installation Standards.

## 5. OPERATION

During fire conditions, when the temperature around the sprinkler approaches its operating temperature, the cover plate detaches. Continued heating of the exposed sprinkler causes the heat-sensitive liquid in the glass bulb to expand and the bulb to shatter, releasing the yoke, pip-cap and sealing spring assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

## 6. INSPECTIONS, TESTS AND MAINTENANCE

Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.

## 7. AVAILABILITY

Viking Sprinklers VK462 and VK463 are available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

## 8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.





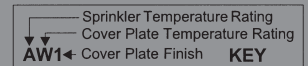
# TECHNICAL DATA

## MIRAGE® STANDARD AND QR CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058  
Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

### Approval Chart

Mirage® Concealed Pendent Sprinklers VK462 and VK463



Sprinkler Base Part Number <sup>1</sup>	SIN	NPT Thread Size		Nominal K-Factor		Maximum Water Working Pressure	Overall Length (Sprinkler Body)		Listings and Approvals <sup>4</sup> (Refer also to Design Criteria on page 54d.)				
		Inch	mm	U.S.	metric <sup>2</sup>		Inches	mm	cULus <sup>5</sup>	FM	NYC <sup>6</sup>	LPCB	CE <sup>7</sup>
Standard Response Applications													
13503A	VK462	1/2"	15	5.6	80.6	175 psi (12 bar)	2-3/16"	56	--	AW1, BX1	--	—	—
14697A	VK462	1/2"	15	5.6	80.6	175 psi (12 bar)	2-3/16"	56	--	—	--	AW1, BX1	AW1, BX1
Quick Response Applications													
13503A	VK462	1/2"	15	5.6	80.6	175 psi (12 bar)	2-3/16"	56	AW1, BX1	--	AW1, BX1	—	—
14697A	VK462	1/2"	15	5.6	80.6	175 psi (12 bar)	2-3/16"	56	AW1, BX1	--	AW1, BX1	—	—
13667A	VK463	1/2"	15	5.6	80.6	250 psi (17.2 bar) <sup>3</sup>	2-3/16"	56	AW1, BX1	--	AW1, BX1	--	--
Sprinkler Temperature Ratings A - 155 °F (68 °C) B - 175 °F (79°C) and 200 °F (93 °C)					Cover Plate Assembly Temp. Ratings <sup>8</sup> W - 135 °F (57 °C) UL Listed cover 13504 <sup>1</sup> or 13642 <sup>1</sup> (large diameter) <i>FM Approved as 139 °F (59 °C)</i> X - 165 °F (74 °C) cover 13504 <sup>1</sup> or 13642 <sup>1</sup> (large diameter)					Finishes of the Cover Plate Assembly <sup>9</sup> 1 - Polished Chrome, Painted White, Painted Ivory, or Painted Black			

#### Footnotes

<sup>1</sup> Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.

<sup>2</sup> Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

<sup>3</sup> The Water Working Pressure rating is stamped on the deflector.

<sup>4</sup> This chart shows the listings and approvals available at the time of printing. Other approvals may be in process. Check with the manufacturer for any additional approvals.

<sup>5</sup> Listed by Underwriter's Laboratories for use in the U.S. and Canada.

<sup>6</sup> Accepted for use, City of New York Department of Buildings, MEA Number 89-92-E, Vol. 32.

<sup>7</sup> CE Certified, Standard EN 12259-1, EC-certificate of conformity 0832-CPD-2032.

<sup>8</sup> The 135/139 °F cover has an orange label. The 165 °F cover has a white label.

<sup>9</sup> Painted finish consists of Polyester Baked Enamel. Other paint colors are available on request with the same listings as the standard paint colors. Listings and approvals apply for any paint manufacturer. Contact Viking for additional information.

NOTE: Custom colors are indicated on a label inside the cover assembly. Refer to Figure 1.

**TABLE 1: AVAILABLE SPRINKLER TEMPERATURE RATINGS AND FINISHES**

Sprinkler Temperature Classification	Sprinkler Nominal Temperature Rating <sup>1</sup>	Maximum Ambient Ceiling Temperature <sup>2</sup>	Temperature Rating of Cover Assembly (Required)	Bulb Color
Ordinary	155 °F (68 °C)	100 °F (38 °C)	135 °F (57 °C) UL 139 °F (59 °C) FM	Red
Intermediate	175 °F (79 °C)	150 °F (65 °C)	165 °F (74 °C)	Yellow
Intermediate	200 °F (93 °C)	150 °F (65 °C)	165 °F (74 °C)	Green

**Cover Plate Finishes:** Polished Chrome, Painted White, Painted Ivory, or Painted Black

#### Footnotes

<sup>1</sup> The sprinkler temperature rating is stamped on the sprinkler deflector.

<sup>2</sup> Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.





## TECHNICAL DATA

### MIRAGE® STANDARD AND QR CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

#### DESIGN CRITERIA

(Also refer to the Approval Chart on page 54c.)

##### cULus Listing Requirements:

Mirage® Standard and Quick Response Concealed Pendent Sprinklers VK462 and VK463 are cULus Listed for installation in accordance with the latest edition of NFPA 13 for standard coverage pendent spray sprinklers as indicated below.

- For hazard occupancies up to and including Ordinary Hazard, Group II.
- Protection areas and maximum spacing shall be in accordance with the tables provided in NFPA 13. Maximum spacing allowed is 15 ft. (4.6 m).
- Minimum spacing allowed is 6 ft. (1.8 m) unless baffles are installed in accordance with NFPA 13.
- Minimum distance from walls is 4 in. (102 mm).
- Maximum distance from walls shall be no more than one-half of the allowable distance between sprinklers. The distance shall be measured perpendicular to the wall.
- The sprinkler obstruction rules contained in NFPA 13 for standard coverage pendent spray sprinklers must be followed.

**NOTE: Concealed sprinklers must be installed in neutral or negative pressure plenums only.**

**FM Approval Requirements:** Mirage® Concealed Pendent Sprinkler VK462 is FM Approved as a standard response standard spray sprinkler as indicated in the Approval Chart for hazard occupancies up to and including Ordinary Hazard, Group II. For installation in accordance with the latest applicable FM Loss Prevention Data Sheets (including 2-8N) and Technical Advisory Bulletins. FM Global Loss Prevention Data Sheets and Technical Advisory Bulletins contain guidelines relating to, but not limited to: minimum water supply requirements, hydraulic design, ceiling slope and obstructions, minimum and maximum allowable spacing, and deflector distance below the ceiling.

**NOTE: The FM installation guidelines may differ from cULus and/or NFPA criteria.**

**IMPORTANT: Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to page SR1-3 or QR1-3 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.**



Identification of Custom Paint Color:  
All custom color painted cover plates will have an identifying label affixed to the inside of the cover that indicates custom color and will have a representative sample (a paint dot) of the paint on the label.

**Figure 1: Identification of Custom Paint Color for Concealed Covers**



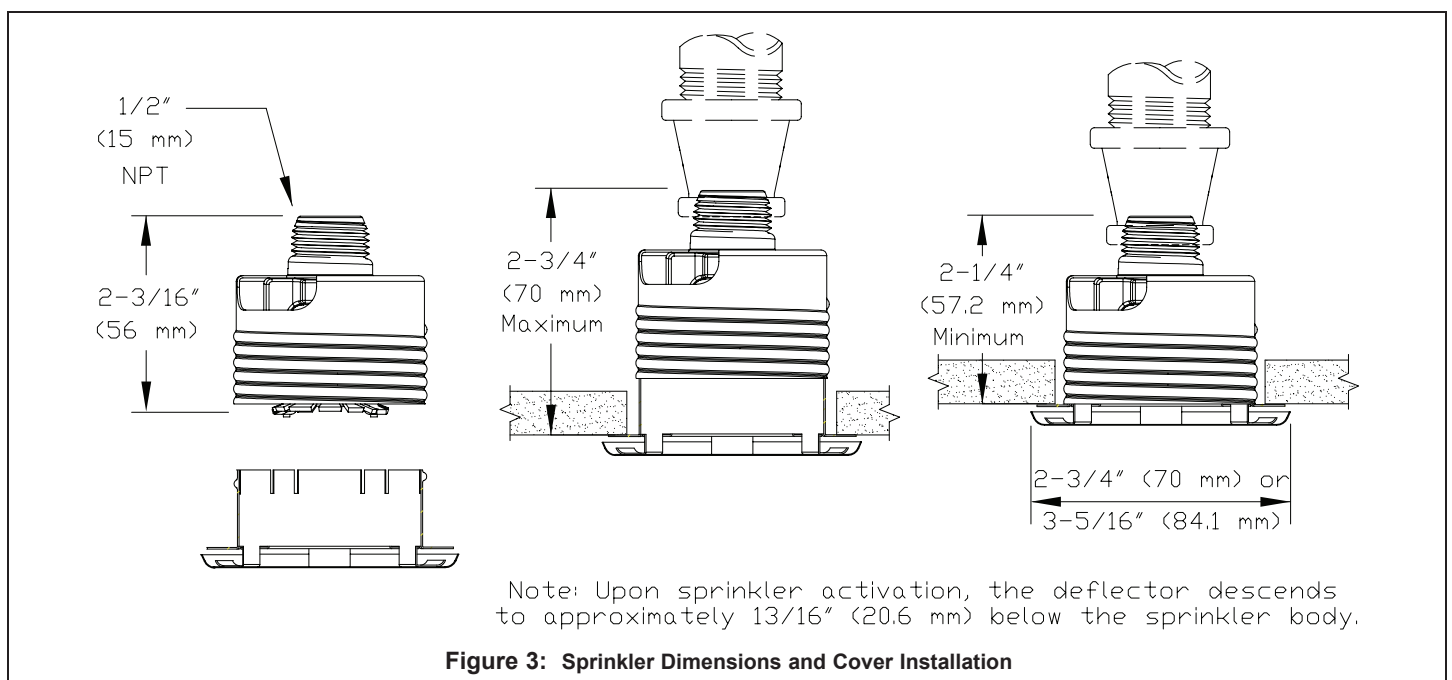
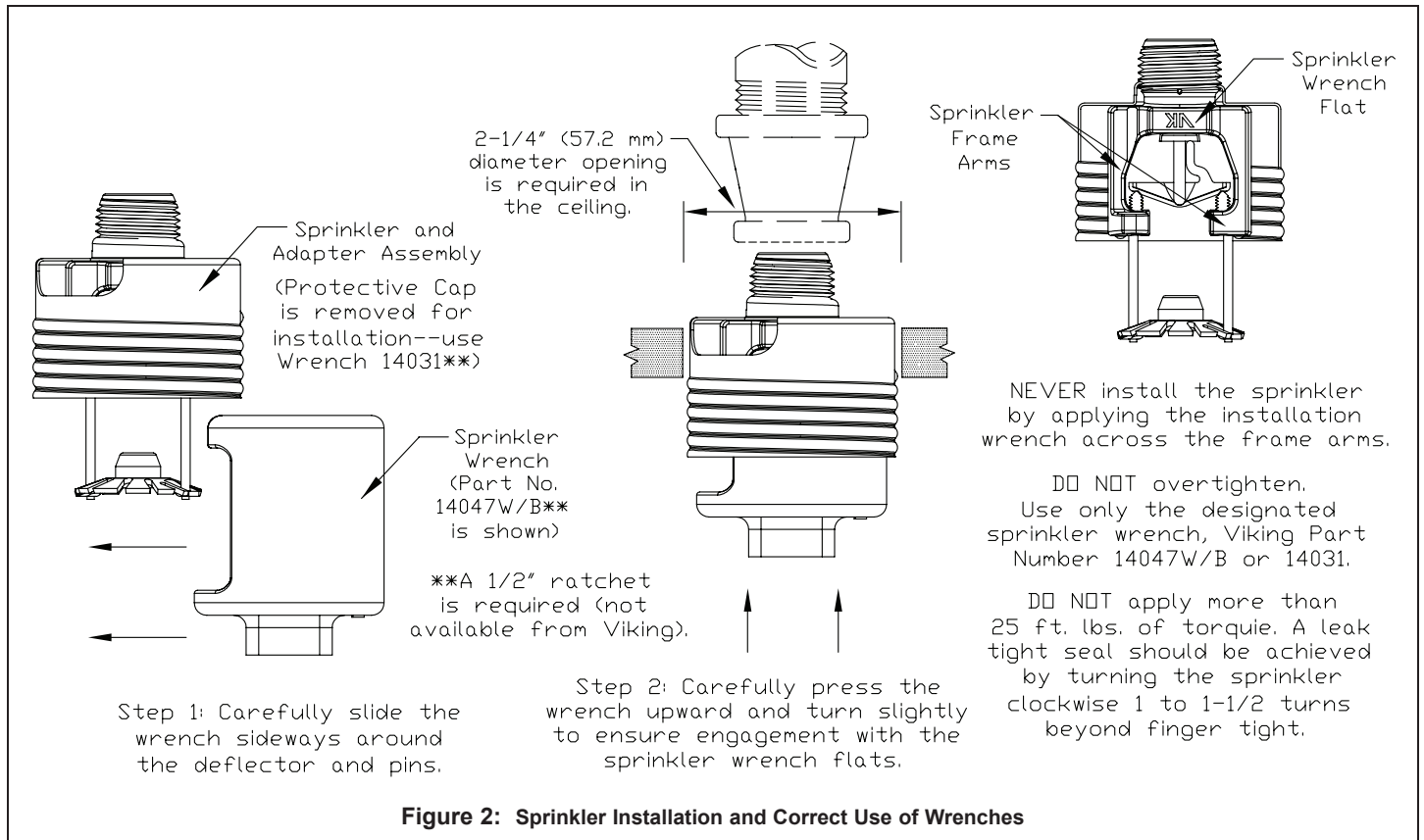


# TECHNICAL DATA

## MIRAGE® STANDARD AND QR CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com





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## TECHNICAL DATA

## QUICK RESPONSE DRY PENDENT SPRINKLERS

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

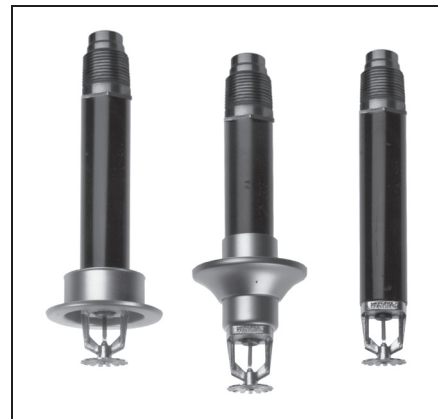
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page: [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

### 1. DESCRIPTION

Viking Quick Response Dry Pendent Sprinklers are thermosensitive spray sprinklers suitable for use in areas subject to freezing. The sprinklers are designed for dry systems and preaction systems where it is necessary to prevent water or condensation from entering the drop nipple before sprinkler operation. They may also be installed in spaces subject to freezing and supplied from a wet system in an adjacent heated area.

Viking Quick Response Dry Pendent Sprinklers are available in various finishes and temperature ratings to meet design requirements. The special Polyester and Electroless Nickel PTFE (ENT) coatings have been investigated for installation in corrosive atmospheres and are listed/approved as corrosion resistant as indicated in the Approval Charts. (Note: FM Global has no approval classification for Polyester coatings as corrosion resistant.)



### 2. LISTINGS AND APPROVALS



**cULus Listed:** Category VNIV

**FM Approved:** Classes 2013 and 2015

**NYC Approved:** MEA 89-92-E Volume 15

Refer to Approval Chart 1 and Design Criteria on page 105d for cULus Listing requirements, and refer to Approval Chart 2 and Design Criteria on page 105e for FM Approval requirements that must be followed.



**WARNING:** Cancer and Reproductive Harm-  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### 3. TECHNICAL DATA

#### Specifications:

Minimum Operating Pressure: 7 psi (0.5 bar)

Maximum Working Pressure: 175 psi (12 bar).

Factory tested hydrostatically to 500 psi (34.5 bar)

Thread size: 1" NPT or 25 mm BSP

Nominal K-Factor: 5.6 U.S. (80.6 metric\*) for all listed and approved lengths.

\* Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

Glass-bulb fluid temperature rated to -65 °F (-55 °C)

Covered by the following U.S. Patents: 8,636,075 and 10,220,231

#### Material Standards:

Frame Casting: Brass UNS-C84400

Deflector: Brass UNS-C26000

Bulb: Glass, nominal 3 mm diameter

Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with PTFE Tape

Compression Screw: Brass UNS-C36000

Pip Cap: Brass UNS-C31400 or UNS-C31600

Pip Cap Adapter: Brass UNS-C36000

Orifice: Copper UNS-C22000 or UNS-C11000

Tube: ERW Hydraulic Steel Tube

Support (Internal): Stainless Steel UNS-S30400

Barrel: Steel Pipe UNS-G10260, Electrodeposited Epoxy Base finish

Barrel End and Threads: QM Brass

Sleeve (for Adjustable Standard style only): Brass UNS-C26000 or UNS-C26800

#### Escutcheon Materials:

Adjustable Standard Dry Escutcheons: Brass UNS-C26000 or UNS-C26800

Recessed Dry Escutcheons: Cold Rolled Steel UNS-G10080

ENT Coated Adjustable and Recessed Escutcheons: Stainless Steel UNS-S30400

**Ordering Information:** (Also refer to the current Viking price list.)





## TECHNICAL DATA

## QUICK RESPONSE DRY PENDENT SPRINKLERS

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page: [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

Order Quick Response Dry Pendent Sprinklers by first adding the appropriate suffix for the sprinkler finish, the appropriate suffix for the temperature rating, and then the suffix for the length ("A" dimension) to sprinkler base part number. Order in a specific length noted as the "A" dimension. The "A" dimension is the distance from the face of the fitting (tee) to the desired finished surface of the ceiling.

These sprinklers are listed and approved in lengths from 1-1/2" to 45-1/2" (38.1 mm to 1,156 mm) for the adjustable standard style, 3" to 47" (76.2 mm to 1,194 mm) for the plain barrel style, and 3-1/4" to 47-1/2" (82.5 mm to 1,207 mm) for the adjustable recessed style. Lengths exceeding the standard lengths are available, with no approvals, on a "made-to-order" basis: Recessed Dry Pendent up to 65-1/2" (1,664 mm). Adjustable Standard Dry Pendent up to 63-1/2" (1,613 mm). Plain Barrel Dry Pendent up to 65" (1,651 mm). Contact the manufacturer for more information.

Finish Suffix: Brass = A, Chrome = F, White Polyester = M-W, and ENT = JN

Temperature Suffix: 155 °F (68 °C) = B, 175 °F (79 °C) = D, 200 °F (93 °C) = E, 286 °F (141 °C) = G

For example, sprinkler VK176 with a Chrome finish and a 155 °F (68 °C) temperature rating, and "A" length of 10" = Part No. 08383UFB10.

**Available Finishes And Temperature Ratings:** Refer to Table 1.

**Accessories:** (Also refer to the "Sprinkler Accessories" section of the Viking data book.)

### Sprinkler Wrenches:

A. Standard Wrench: Part No. 07297W/B (available since 1991)

B. Wrench for recessed sprinklers: Part No. 07565W/B\*\* (available since 1991)

\*\*A 1/2" ratchet is required (not available from Viking).

**Sprinkler Guard:** Chrome, with no listings or approvals, for installation on dry pendent sprinklers made after May 1994 only (Part No. 08954).

### Replacement Escutcheons:

A. Adjustable Standard Dry Escutcheon: Base Part No. 07741

B. Recessed Dry Escutcheon Cup: Base Part No. 05459A

## 4. INSTALLATION

Refer to appropriate NFPA Installation Standards.

## 5. OPERATION

During fire conditions, the heat-sensitive liquid in the glass bulb expands, causing the glass to shatter, releasing the internal parts to open the waterway. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

## 6. INSPECTIONS, TESTS & MAINTENANCE

Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.

## 7. AVAILABILITY

The Viking Quick Response Dry Pendent Sprinkler is available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

## 8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

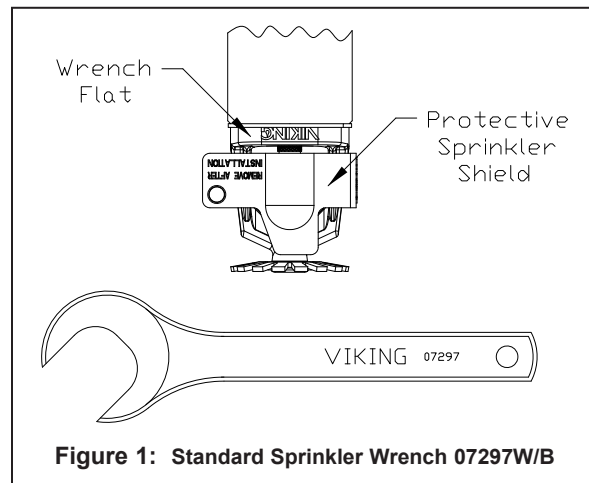


Figure 1: Standard Sprinkler Wrench 07297W/B

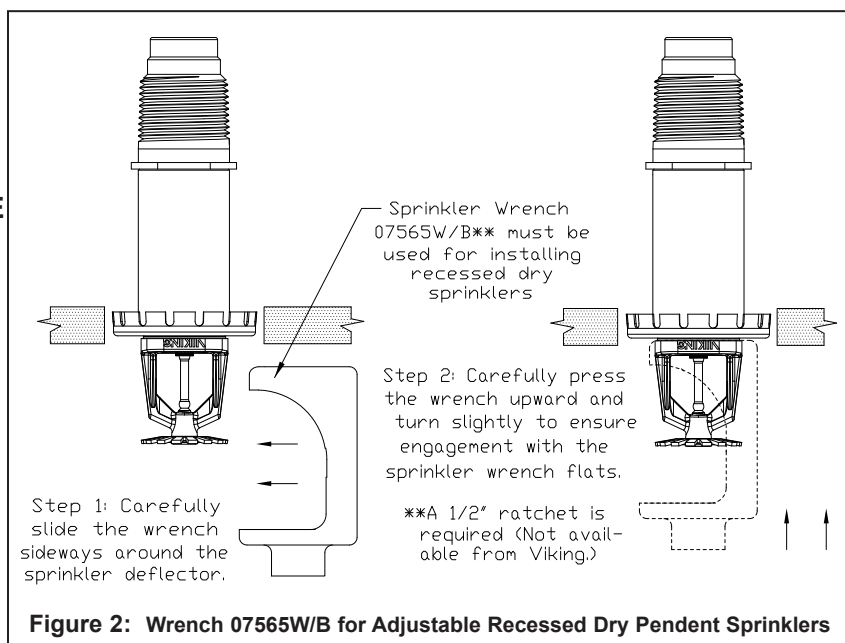


Figure 2: Wrench 07565W/B for Adjustable Recessed Dry Pendent Sprinklers





## TECHNICAL DATA

## QUICK RESPONSE DRY PENDENT SPRINKLERS

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page: [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

**TABLE 1: AVAILABLE SPRINKLER TEMPERATURE RATINGS AND FINISHES**

Sprinkler Temperature Classification	Sprinkler Nominal Temperature Rating <sup>1</sup>	Maximum Ambient Ceiling Temperature <sup>2</sup>	Bulb Color
Ordinary	155 °F (68 °C)	100 °F (38 °C)	Red
Intermediate	175 °F (79 °C)	150 °F (65 °C)	Yellow
Intermediate	200 °F (93 °C)	150 °F (65 °C)	Green
High	286 °F (141 °C)	225 °F (107 °C)	Blue

**Sprinkler Finishes:** Brass, Chrome, White Polyester, and ENT

**Corrosion-Resistant Coating<sup>3,4</sup>:** White Polyester and ENT in all temperature ratings

### Footnotes

<sup>1</sup> The sprinkler temperature rating is stamped on the deflector.

<sup>2</sup> Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

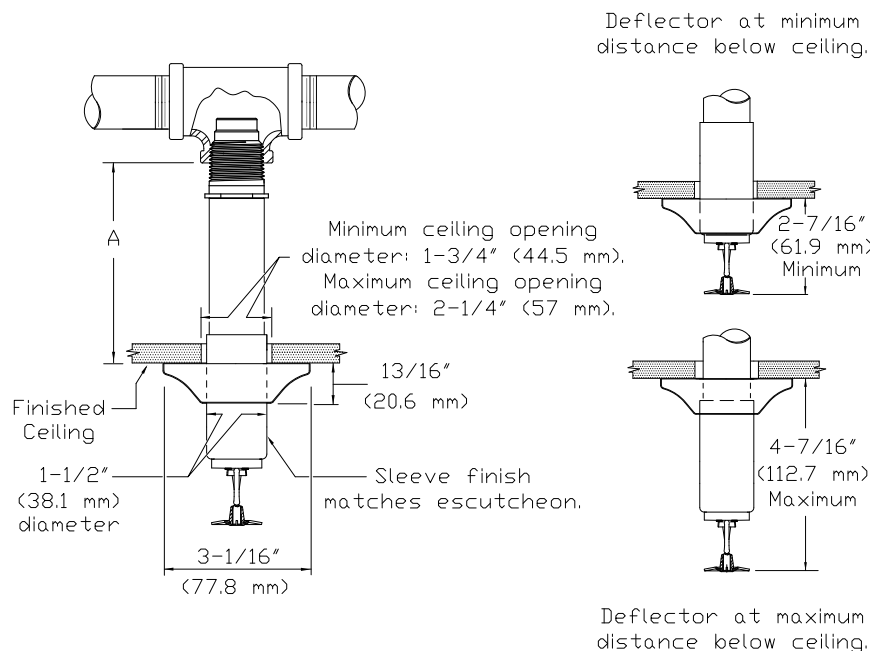
<sup>3</sup> The corrosion-resistant Polyester and ENT coatings have passed the standard corrosion test required by the approving agencies indicated in the Approval Charts. These tests cannot and do not represent all possible corrosive environments. Note: These coatings are NOT corrosion proof. Prior to installation, verify through the end-user that the coatings are compatible with or suitable for the proposed environment. Polyester and ENT coatings are applied to the exposed exterior surfaces only. Note that the spring is exposed on sprinklers with Polyester and ENT coatings.

<sup>4</sup> When installed in some corrosive environments, the Polyester finish may change color. This natural discoloration over time is not in itself an indication of corrosion and should not be treated as such. All sprinklers installed in corrosive environments should be replaced or tested as described in NFPA 25 on a more frequent basis.

For "A" Dimension: 1. Determine the distance from the face of the tee to the finished ceiling.

2. Round to the nearest 1/2" (12.7 mm) between 1-1/2" and 45-1/2" (38.1 mm and 1,156 mm).

NOTE: The deflector will be located approximately 3-7/16" (87.3 mm) below the ceiling, with 1" (25.4 mm) upward and 1" (25.4 mm) downward adjustment.



### NOTE:

To locate the deflector at the minimum distance below the ceiling, with no downward adjustment available, order the dry pendent sprinkler 1" (25.4 mm) shorter than the "A" dimension.

### NOTE:

To locate the deflector at the maximum distance below the ceiling, with no downward adjustment available, order the dry pendent sprinkler 1" (25.4 mm) longer than the "A" dimension.

**Figure 3: Adjustable Standard Dry Pendent Sprinkler**





## TECHNICAL DATA

## QUICK RESPONSE DRY PENDENT SPRINKLERS

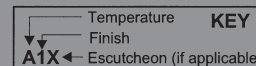
The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page: [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

### Approval Chart 1 (UL)

Quick Response Dry Pendent Sprinklers  
Maximum 175 PSI (12 bar) WWP



Sprinkler Base Part No. <sup>1</sup>	SIN	Style	Thread Size		Nominal K-Factor <sup>2</sup>		Order Length Increment		Listings and Approvals <sup>4</sup> (Refer also to Design Criteria below.)					
			NPT	BSP	U.S.	metric <sup>3</sup>	Inches	mm	cULus <sup>5</sup>	NYC <sup>6</sup>	VdS	LPCB	CE	⚙
08383U	VK176	Adjustable	1"	--	5.6	80.6	1/2"	12.7	A1, A5	A1	--	--	--	--
16457U		Standard	--	25 mm	--	80.6	1/2"	12.7	A1, A5	--	--	--	--	--
08385U	VK180	Adjustable	1"	--	5.6	80.6	1/4"	6.35	B2, B6	B2	--	--	--	--
16453U		Recessed	--	25 mm	--	80.6	1/4"	6.35	B2, B6	--	--	--	--	--
08387U	VK172	Plain	1"	--	5.6	80.6	1/2"	12.7	A3	A4	--	--	--	--
16455U		Barrel	--	25 mm	--	80.6	1/2"	12.7	A3	--	--	--	--	--

#### Approved Temperature Ratings

A - 155 °F (68 °C), 175 °F (79°C), 200 °F (93 °C), and 286 °F (141 °C)

B - 155 °F (68 °C), 175 °F (79°C), and 200 °F (93 °C)

#### Approved Finishes and "A" Dimensions

- 1 - Chrome or White Polyester<sup>7</sup> sprinkler with a Chrome or White Polyester Sleeve and Escutcheon with "A" dimensions 1-1/2" to 45-1/2" (38.1 mm to 1,156 mm)
- 2 - Chrome or White Polyester<sup>7</sup> with "A" dimensions 3-1/4" to 47-1/2" (82.5 mm to 1,207 mm)
- 3 - Chrome, Brass, White Polyester<sup>7</sup>, or ENT<sup>7</sup> with "A" dimensions 3" to 47" (76.2 mm to 1,194 mm)
- 4 - Chrome or Brass with "A" dimensions 3" to 47" (76.2 mm to 1,194 mm)
- 5 - ENT<sup>7</sup> sprinkler with an ENT<sup>7</sup> Sleeve and Escutcheon with "A" dimensions 1-1/2" to 45-1/2" (38.1 mm to 1,156 mm)
- 6 - ENT<sup>7</sup> with "A" dimensions 3-1/4" to 47-1/2" (82.5 mm to 1,207 mm)

#### Footnotes

<sup>1</sup> Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.

<sup>2</sup> K-Factor applies for standard lengths ("A" Dimensions indicated above).

<sup>3</sup> Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

<sup>4</sup> This chart shows the listings and approvals available at the time of printing. Other approvals may be in process. Check with the manufacturer for any additional approvals.

<sup>5</sup> Listed by Underwriter's Laboratories for use in the U.S. and Canada.

<sup>6</sup> Accepted for use, City of New York Department of Buildings, MEA Number 89-92-E, Vol. 15.

<sup>7</sup> cULus Listed as corrosion resistant.

### DESIGN CRITERIA - UL

(Also refer to Approval Chart 1 above.)

**NOTE:** When using CPVC fittings with Viking dry sprinklers, use only new Nibco Model 5012-S-BI tees. When selecting other CPVC fittings, contact Viking Technical Services.

#### cULus Listing Requirements:

Standard Dry Pendent Sprinklers are cULus Listed as indicated in Approval Chart 1 for installation in accordance with the latest edition of NFPA 13 for standard spray sprinklers.

- Designed for use in Light and Ordinary Hazard occupancies.
- The sprinkler installation and obstruction rules contained in NFPA 13 for standard spray pendent sprinklers must be followed.

**IMPORTANT:** Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to Form F\_080614 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.





## TECHNICAL DATA

## QUICK RESPONSE DRY PENDENT SPRINKLERS

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
 Visit the Viking website for the latest edition of this technical data page: [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

Approval Chart 2 (FM) Quick Response Dry Pendent Sprinklers Maximum 175 PSI (12 bar) WWP									
Sprinkler Base Part No. <sup>1</sup>	SIN	Style	Thread Size		Nominal K-Factor <sup>2</sup>		Order Length Increment		FM Approvals <sup>4</sup> (Refer also to Design Criteria below.)
			NPT	BSP	U.S.	metric <sup>3</sup>	Inches	mm	
08383U	VK176	Adjustable Standard	1"	--	5.6	80.6	1/2"	12.7	A1
16457U			--	25 mm	--	80.6	1/2"	12.7	A1
08385U	VK180	Adjustable Recessed	1"	--	5.6	80.6	1/4"	6.35	B2
16453U			--	25 mm	--	80.6	1/4"	6.35	B2
08387U	VK172	Plain Barrel	1"	--	5.6	80.6	1/2"	12.7	A3
16455U			--	25 mm	--	80.6	1/2"	12.7	A3

**Approved Temperature Ratings**

A - 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), and 286 °F (141 °C)

B - 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C)

**Approved Finishes and "A" Dimensions**

1 - Brass, Chrome, White Polyester, or ENT<sup>5</sup> sprinkler with a Brass, Chrome, White Polyester, or ENT<sup>5</sup> Sleeve and Escutcheon with "A" dimensions 1-1/2" to 45-1/2" (38.1 mm to 1,156 mm)

2 - Brass, Chrome, White Polyester, or ENT<sup>5</sup> with "A" dimensions 3-1/4" to 47-1/2" (82.5 mm to 1,207 mm)

3 - Brass, Chrome, White Polyester, or ENT<sup>5</sup> with "A" dimensions 3" to 47" (76.2 mm to 1,194 mm)

**Footnotes**

<sup>1</sup> Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.

<sup>2</sup> K-Factor applies for standard lengths ("A" Dimensions indicated above).

<sup>3</sup> Metric K-Factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

<sup>4</sup> This chart shows the FM Approvals available at the time of printing. Other approvals may be in process. Check with the manufacturer for any additional approvals.

<sup>5</sup> FM approved as corrosion resistant.

### DESIGN CRITERIA - FM

(Also refer to Approval Chart 2 above.)

**NOTE: When using CPVC fittings with Viking dry sprinklers, use only new Nibco Model 5012-S-BI tees. When selecting other CPVC fittings, contact Viking Technical Services.**

#### FM Approval Requirements:

The Dry Pendent Sprinklers in the Approval Chart above are FM Approved as quick response **Non-storage** standard spray sprinklers as indicated in the FM Approval Guide. For specific application and installation requirements, reference the latest applicable FM Loss Prevention Data Sheets (including 2-0) and Technical Advisory Bulletins. FM Global Loss Prevention Data Sheets and Technical Advisory Bulletins contain guidelines relating to, but not limited to: minimum water supply requirements, hydraulic design, ceiling slope and obstructions, minimum and maximum allowable spacing, and deflector distance below the ceiling.

**NOTE: The FM installation guidelines may differ from cULus and/or NFPA criteria.**

**IMPORTANT: Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to Form F\_080614 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.**

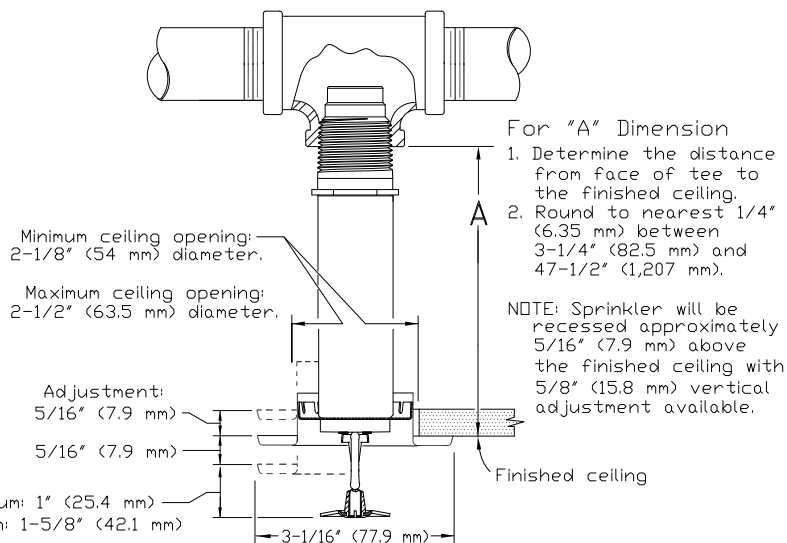


Figure 4: Adjustable Recessed Dry Pendent Sprinkler

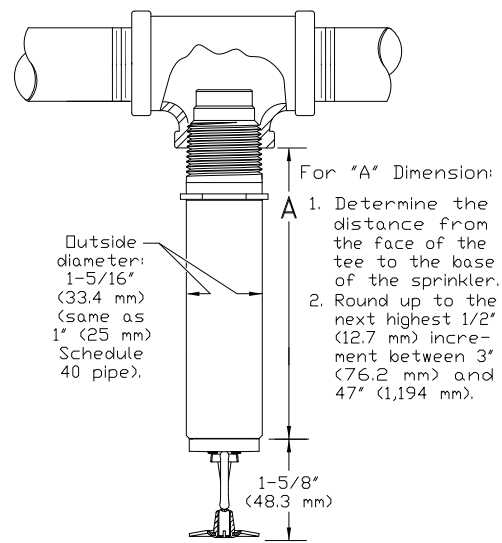


Figure 5: Plain Barrel Dry Pendent Sprinkler





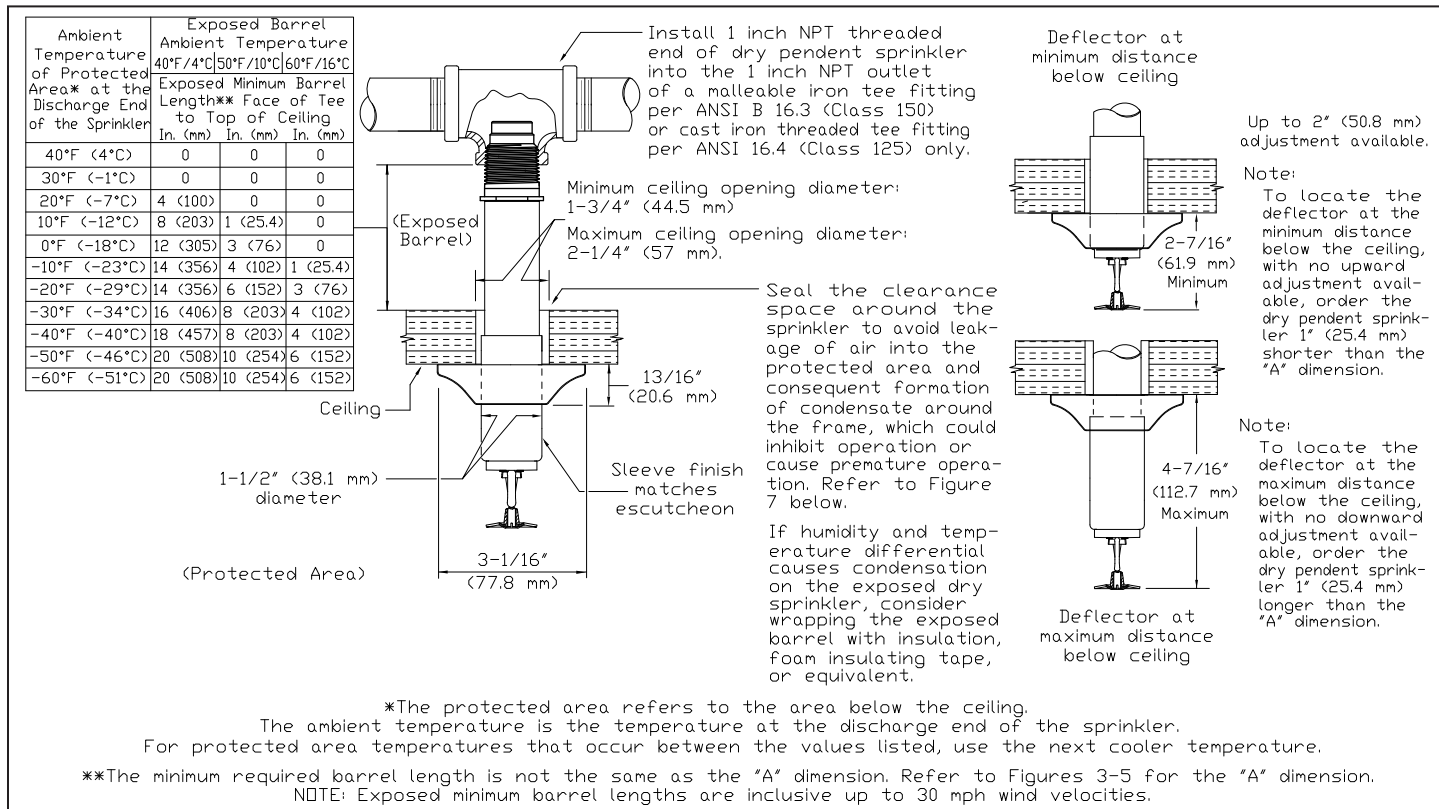
## TECHNICAL DATA

## QUICK RESPONSE DRY PENDENT SPRINKLERS

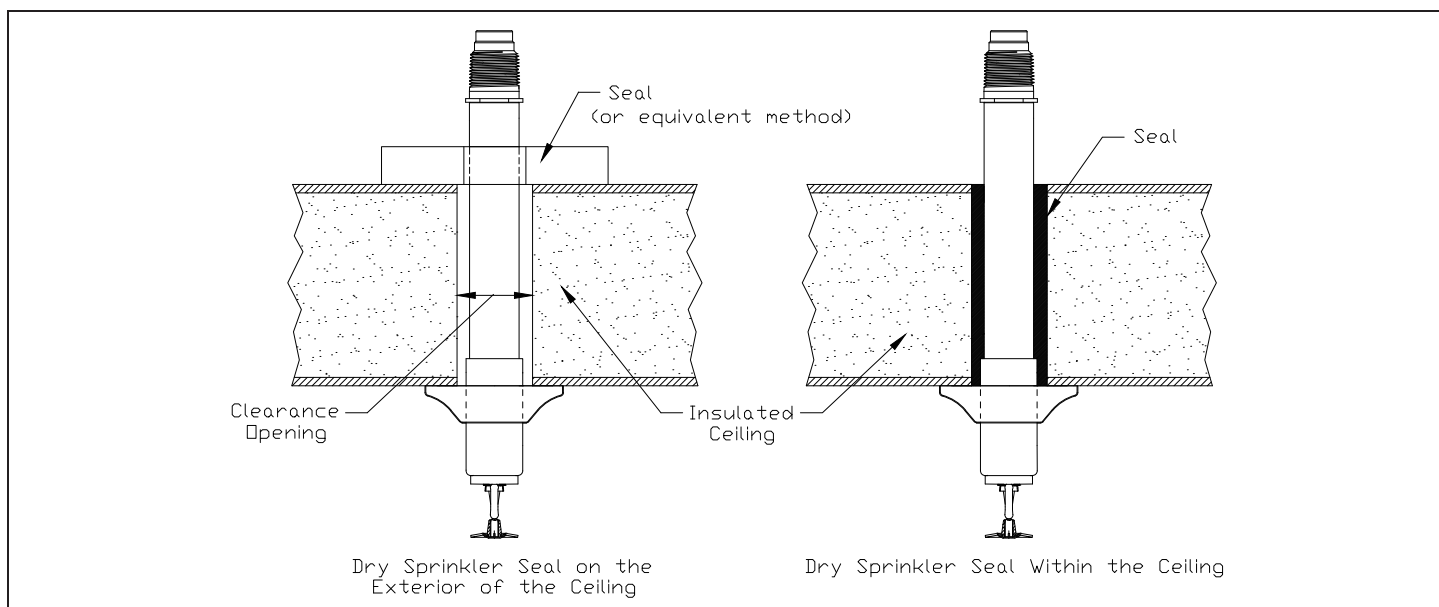
The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

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**Figure 6: Dry Pendent Sprinkler Required Minimum Barrel Length Based on Ambient Temperature in the Protected Area (Adjustable Standard Dry Pendent Sprinkler is Shown)**



**Figure 7: Dry Sprinkler Seal (Adjustable Standard Dry Pendent Sprinkler is Shown)**





## TECHNICAL DATA

### MICROFAST® QUICK RESPONSE PENDENT SPRINKLER VK302 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
 Visit the Viking website for the latest edition of this technical data page: [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

## 1. DESCRIPTION

The Viking Microfast® Quick Response Pendent Sprinkler VK302 is a small thermosensitive glass bulb spray sprinkler available with various finishes and temperature ratings to meet design requirements. The special Polyester and Electroless Nickel PTFE (ENT) coatings can be used in decorative applications where colors are desired. In addition, these coatings have been investigated for installation in corrosive environments and are Listed and Approved as indicated in the Approval Charts.

## 2. LISTINGS AND APPROVALS



**cULus Listed:** Category VNIV



**FM Approved:** Class Series 2000



**VdS Approved:** Certificates G414009, G414010, G4040095, and 4880045



**LPCB Approved:** Certificate 096e/06



**CE:** Standard EN 12259-1, Declaration of Performance DOP\_Sprinklers\_LPCB\_5-2-19, DOP\_VK302ENT\_29-1-20 & DOP\_VK302-57C\_30-9-20

**China Approval:** Approved according to China GB standard



**MED Certified:** Standard EN 12259-1, EC-certificate of conformity 0832-MED-1003

Refer to Approval Chart 1 and Design Criteria cULus Listing requirements, and refer to Approval Chart 2 and Design Criteria for FM Approval requirements that must be followed.

## 3. TECHNICAL DATA

### Specifications:

Minimum Operating Pressure: 7 psi (0.5 bar)  
 Rated to 175 psi (12 bar) water working pressure  
 Factory tested hydrostatically to 500 psi (34.5 bar)  
 Thread size: 1/2" NPT, 15 mm BSP  
 Nominal K-Factor: 5.6 U.S. (80.6 metric\*\*)  
 Glass-bulb fluid temperature rated to -65 °F (-55 °C)  
 Overall Length: 2-1/4" (58 mm)

\*cULus Listing, FM Approval, and NFPA 13 installs require a minimum of 7 psi (0.5 bar). The minimum operating pressure for LPCB and CE Approvals ONLY is 5 psi (0.35 bar).

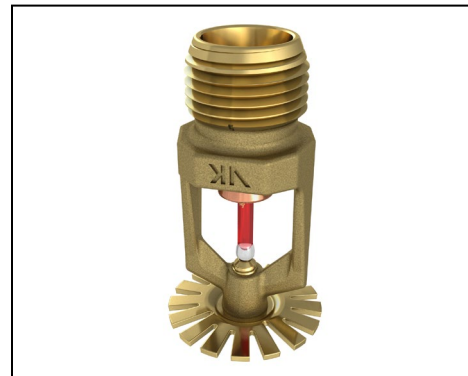
### Material Standards:

Frame Casting: Brass UNS-C84400 or QM Brass  
 Deflector: Phosphor Bronze UNS-C51000 or Copper UNS-C19500  
 Bulb: Glass, nominal 3 mm diameter  
 Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with PTFE Tape  
 Screw: Brass UNS-C36000  
 Pip Cap and Insert Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400  
For Polyester Coated Sprinklers: Belleville Spring-Exposed  
For ENT Coated Sprinklers: Belleville Spring-Exposed, Screw and Pipcap - ENT plated.

### Ordering Information:

(Also refer to the current Viking price list.)

Order Quick Response Pendent Sprinklers by first adding the appropriate suffix for the sprinkler finish and then the appropriate suffix for the temperature rating to the sprinkler base part number.



**WARNING:** Cancer and Reproductive Harm-  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





## TECHNICAL DATA

### MICROFAST® QUICK RESPONSE PENDENT SPRINKLER VK302 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page: [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

Finish Suffix: Brass = A, Chrome = F, White Polyester = M-/W, Black Polyester = M-/B, and ENT = JN

Temperature Suffix: 135 °F (57 °C) = A, 155 °F (68 °C) = B, 175 °F (79 °C) = D, 200 °F (93 °C) = E, 286 °F (141 °C) = G

For example, sprinkler VK302 with a Brass finish and a 155 °F (68 °C) temperature rating = Part No. 12979AB

**Available Finishes And Temperature Ratings:** Refer to Table 1.

**Accessories:** (Also refer to the current Viking price list.)

#### Sprinkler Wrenches:

A. Standard Wrench: Part No. 21475M/B.

B. Wrench for Recessed Pendent Sprinklers: Part No. 13655W/B\*\* (available since 2006)

C. Optional Protective Sprinkler Cap Remover/Escutcheon Installer Tool\*\*\* Part No. 15915 (available since 2010)

\*\*A ½" ratchet is required (not available from Viking).

\*\*\*Allows use from the floor by attaching a length of 1" diameter CPVC tubing to the tool. Ideal for sprinkler cabinets. Refer to Bulletin F\_051808.

#### Sprinkler Cabinets:

A. Six-head capacity: Part No. 01724A (available since 1971)

B. Twelve-head capacity: Part No. 01725A (available since 1971)

## 4. INSTALLATION

Refer to appropriate NFPA Installation Standards.

## 5. OPERATION

During fire conditions, the heat-sensitive liquid in the glass bulb expands, causing the glass to shatter, releasing the pip cap and sealing spring assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

## 6. INSPECTIONS, TESTS AND MAINTENANCE

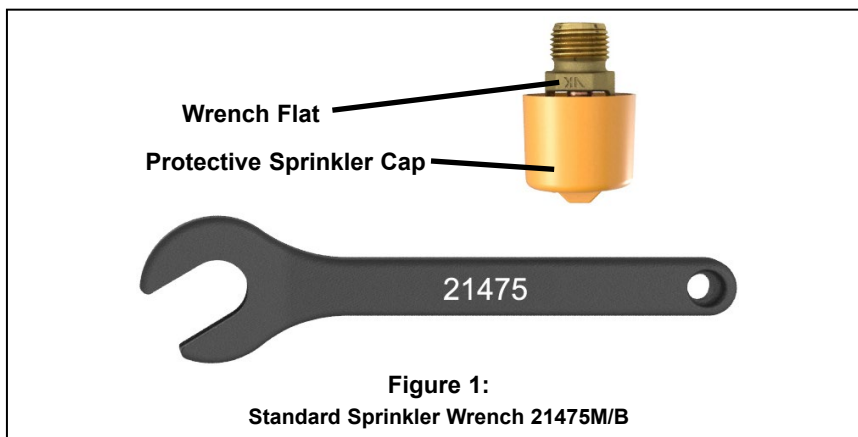
Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.

## 7. AVAILABILITY

The Viking Microfast® Quick Response Pendent Sprinkler VK302 is available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

## 8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.







## TECHNICAL DATA

### MICROFAST® QUICK RESPONSE PENDENT SPRINKLER VK302 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
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**TABLE 1: AVAILABLE SPRINKLER TEMPERATURE RATINGS AND FINISHES**

Sprinkler Temperature Classification	Sprinkler Nominal Temperature Rating <sup>1</sup>	Maximum Ambient Ceiling Temperature <sup>2</sup>	Bulb Color
Ordinary	135 °F (57 °C)	100 °F (38 °C)	Orange
Ordinary	155 °F (68 °C)	100 °F (38 °C)	Red
Intermediate	175 °F (79 °C)	150 °F (65 °C)	Yellow
Intermediate	200 °F (93 °C)	150 °F (65 °C)	Green
High	286 °F (141 °C)	225 °F (107 °C)	Blue

**Sprinkler Finishes:** Brass, Chrome, White Polyester, Black Polyester, and ENT

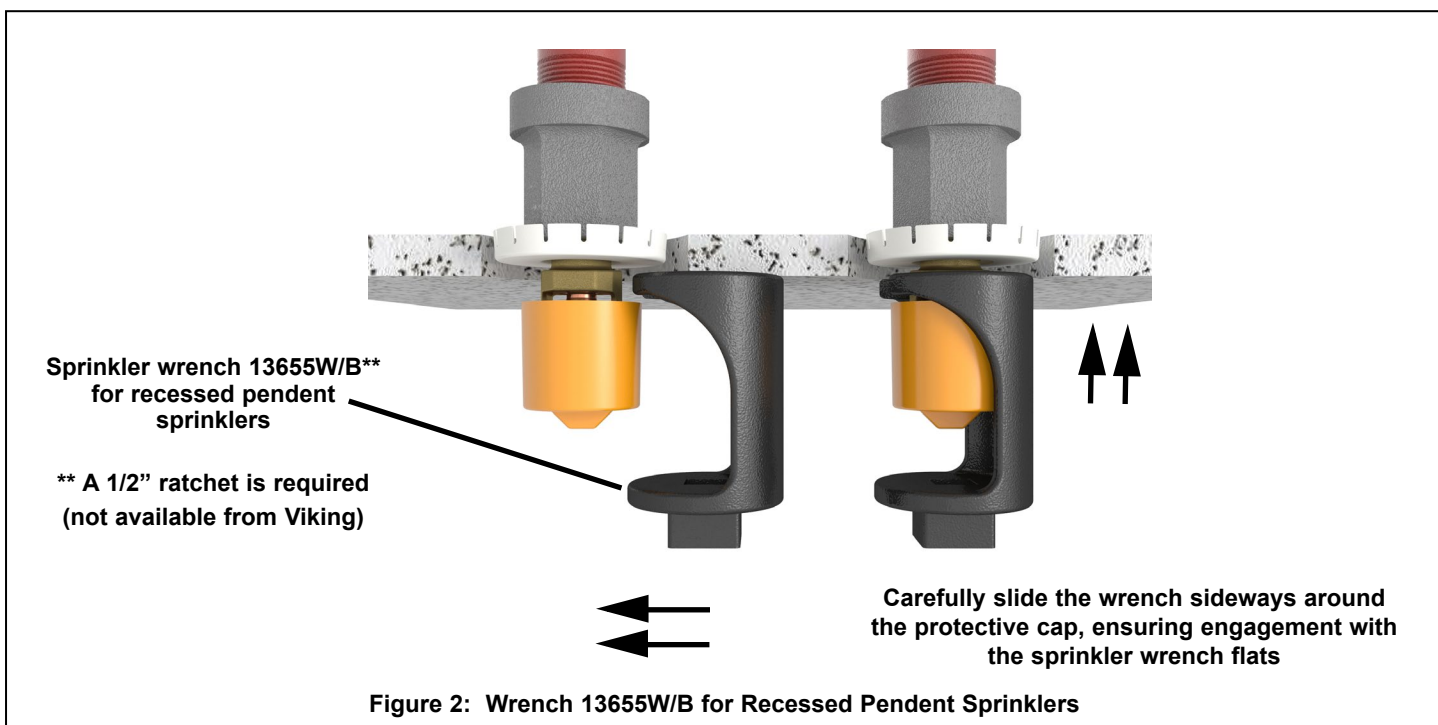
**Corrosion-Resistant Coatings<sup>3</sup>:** White Polyester, and Black Polyester. ENT in all temperature ratings except 135 °F (57 °C)

#### Footnotes

<sup>1</sup> The sprinkler temperature rating is stamped on the deflector.

<sup>2</sup> Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

<sup>3</sup> The corrosion-resistant coatings have passed the standard corrosion test required by the approving agencies indicated in the Approval Charts. These tests cannot and do not represent all possible corrosive environments. Prior to installation, verify through the end-user that the coatings are compatible with or suitable for the proposed environment. For automatic sprinklers, the coatings indicated are applied to the exposed exterior surfaces only. Note that the spring is exposed on sprinklers with Polyester and ENT coatings. For ENT coated automatic sprinklers, the waterway is coated.







## TECHNICAL DATA

## MICROFAST® QUICK RESPONSE PENDENT SPRINKLER VK302 (K5.6)

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 Visit the Viking website for the latest edition of this technical data page: www.vikinggroupinc.com

Approval Chart 1 (UL) The Viking Microfast® Quick Response Pendent Sprinkler VK302 Maximum 175 PSI (12 Bar) WWP															<div>Temperature Finish A1X ← Escutcheon (if applicable)</div> <div>KEY</div>
Base Part Number <sup>1</sup>	SIN	Sprinkler Style	Thread Size		Nominal K-Factor		Overall Length		Listings and Approvals <sup>3</sup> (Refer also to Design Criteria.)						
			NPT	BSP	U.S.	metric <sup>2</sup>	Inches	mm	cULus <sup>4</sup>	VdS	LPCB	CE <sup>7</sup>	MED <sup>8</sup>	China Approval	
12979	VK302	Pendent	1/2"	15 mm	5.6	80.6	2-1/4	58	A1Z, B1Y, D2, C2X	A1	A1Z, B1Y	D1Z, C1Y, D2, A1Z, B1Y	D1	--	
21354 <sup>9</sup>	VK302	Pendent	--	15 mm	5.6	80.6	2-1/4	58	D3	--	--	--	--	D3	
NOTICE - Product Below - Limited Availability (Contact Local Viking Office)															
06662B	VK302	Pendent	1/2"	15 mm	5.6	80.6	2-1/4	58	A1Z, B1Y, D2, C2X	--	--	--	--	--	
18021	VK302	Pendent	1/2"	15 mm	5.6	80.6	2-1/4	58	A1Z, B1Y	A1	A1Z, B1Y	D1Z, C1Y, D2	D1	--	
Approved Temperature Ratings			Approved Finishes			Approved Escutcheons									
A - 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C) B - 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C) C - 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C) D - 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C)			1 - Brass, Chrome, White Polyester <sup>5,6</sup> , Black Polyester <sup>5,6</sup> 2 - ENT <sup>5</sup> 3 - Chrome			X - Standard surface-mounted escutcheon or the Viking Micromatic® Model E-1 Recessed Escutcheon Y - Standard surface-mounted escutcheon or recessed with the Viking Micromatic® Model E-1, E-2, or E-3 Recessed Escutcheon Z - Standard surface-mounted escutcheon									
Footnotes															
<sup>1</sup> Base part number shown. For complete part number, refer to Viking's current price schedule.															
<sup>2</sup> Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.															
<sup>3</sup> This table shows the listings and approvals available at the time of printing. Other approvals may be in process.															
<sup>4</sup> Listed by Underwriters Laboratories Inc. for use in the U.S. and Canada.															
<sup>5</sup> cULus Listed as corrosion-resistant.															
<sup>6</sup> Other colors are available on request with the same Listings and Approvals as the standard colors.															
<sup>7</sup> CE: Standard EN 12259-1, Declaration of Performance DOP_Sprinklers_LPCB_5-2-19, DOP_VK302ENT_29-1-20 & DOP_VK302-57C_30-9-20.															
<sup>8</sup> MED Certified, Standard EN 12259-1, EC-0832-MED-1003.															
<sup>9</sup> Approved according to China GB Standard.															

### DESIGN CRITERIA - UL

(Also refer to Approval Chart 1 above.)

#### cULus Listing Requirements:

The Viking Microfast® Quick Response Pendent Sprinkler VK302 is cULus Listed as indicated in the Approval Chart for installation in accordance with the latest edition of NFPA 13 for standard spray sprinklers.

- Designed for use in Light and Ordinary occupancies.
- The sprinkler installation rules contained in NFPA 13 for standard spray pendent sprinklers must be followed.

**IMPORTANT: Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to Form No. F\_080614 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.**





## TECHNICAL DATA

## MICROFAST® QUICK RESPONSE PENDENT SPRINKLER VK302 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
 Visit the Viking website for the latest edition of this technical data page: www.vikinggroupinc.com

### Approval Chart 2 (FM) The Viking Microfast® Quick Response Pendent Sprinkler VK302 Maximum 175 PSI (12 Bar) WWP

Temperature	KEY
Finish	
A1X ← Escutcheon (if applicable)	

Base Part Number <sup>1</sup>	SIN	Sprinkler Style	Thread Size		Nominal K-Factor		Overall Length		FM Approvals <sup>3</sup> (Refer also to Design Criteria.)
			NPT	BSP	U.S.	metric <sup>2</sup>	Inches	mm	
12979	VK302	Pendent	1/2"	15 mm	5.6	80.6	2-1/4	58	A1Z, B1Y, D2X, C2
21354 <sup>6</sup>	VK302	Pendent	--	15 mm	5.6	80.6	2-1/4	58	C3

#### NOTICE - Product Below - Limited Availability (Contact Local Viking Office)

06662B	VK302	Pendent	1/2"	15 mm	5.6	80.6	2-1/4	58	A1Z, B1Y, D2X, C2
18021	VK302	Pendent	1/2"	15 mm	5.6	80.6	2-1/4	58	A1Z, B1Y

#### Approved Temperature Ratings

A - 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C)  
 B - 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C)  
 C - 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C)  
 D - 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C)

#### Approved Finishes

1 - Brass, Chrome, White Polyester<sup>4</sup>, and Black Polyester<sup>4</sup>  
 2 - ENT<sup>5</sup>  
 3 - Chrome

#### Approved Escutcheons

X - Standard surface-mounted escutcheon or the Viking Micromatic® Model E-1 Recessed Escutcheon  
 Y - Standard surface-mounted escutcheon or recessed with the Viking Micromatic® Model E-1 or E-2 Recessed Escutcheon  
 Z - Standard surface-mounted escutcheon

#### Footnotes

- <sup>1</sup> Base part number shown. For complete part number, refer to Viking's current price schedule.  
<sup>2</sup> Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.  
<sup>3</sup> This table shows the FM Approvals available at the time of printing. Other approvals may be in process.  
<sup>4</sup> Other colors are available on request with the same Approvals as the standard colors.  
<sup>5</sup> FM approved as corrosion resistant.  
<sup>6</sup> Approved according to China GB Standard.

### DESIGN CRITERIA - FM

(Also refer to Approval Chart 2 above.)

#### FM Approval Requirements:

The Viking Microfast® Quick Response Pendent Sprinkler VK302 is FM Approved as quick response **Non-storage** pendent sprinklers as indicated in the FM Approval Guide. For specific application and installation requirements, reference the latest applicable FM Loss Prevention Data Sheets (including Data Sheet 2-0). FM Global Loss Prevention Data Sheets contain guidelines relating to, but not limited to: minimum water supply requirements, hydraulic design, ceiling slope and obstructions, minimum and maximum allowable spacing, and deflector distance below the ceiling.

**NOTE:** The FM installation guidelines may differ from cULus and/or NFPA criteria.

**IMPORTANT:** Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to Form No. F\_080614 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.





## TECHNICAL DATA

### MICROFAST® QUICK RESPONSE PENDENT SPRINKLER VK302 (K5.6)

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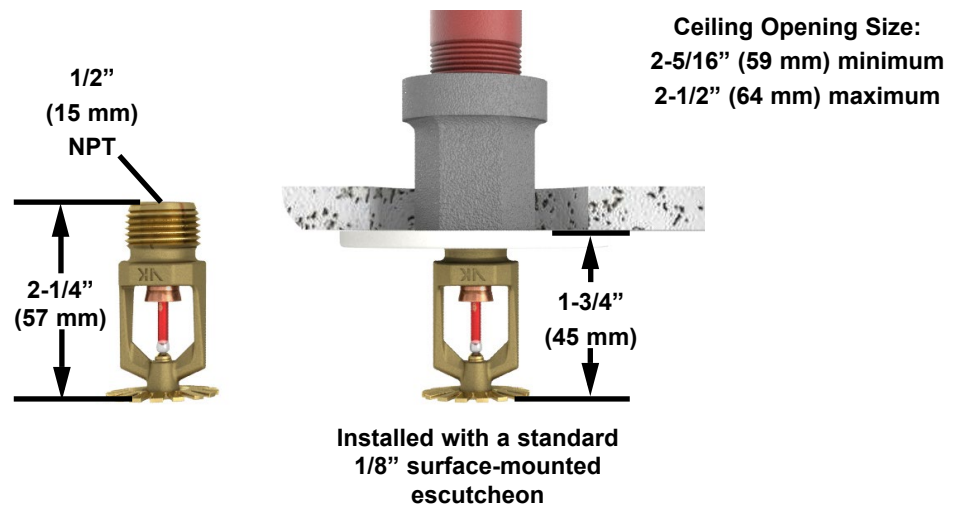


Figure 3: Sprinkler Dimensions with a Standard Escutcheon

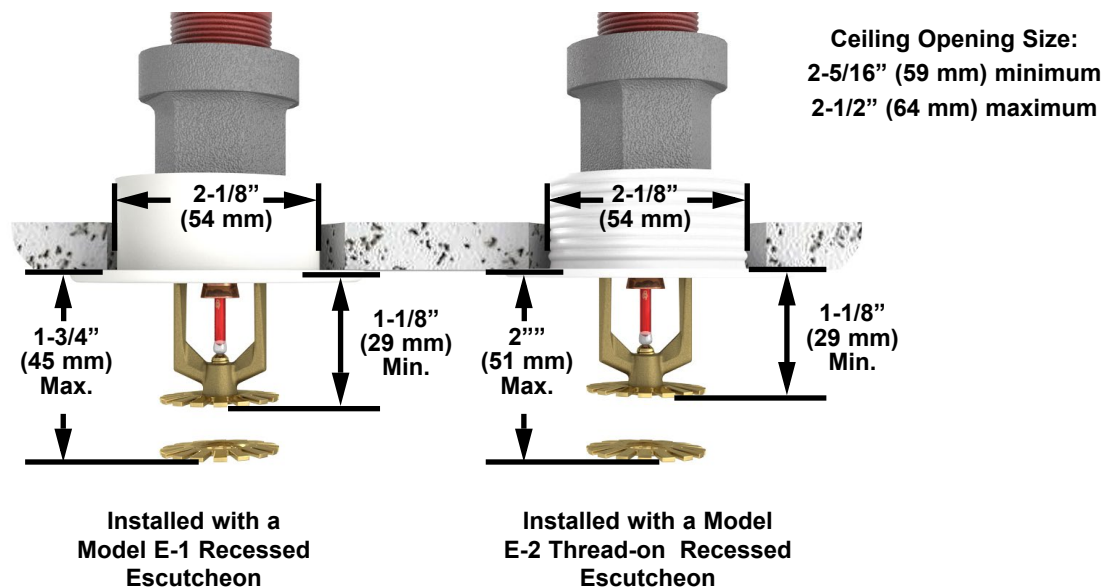


Figure 4: Sprinkler Dimensions with the Model E-1 and E-2 Recessed Escutcheons





## TECHNICAL DATA

## MICROMATIC® STANDARD RESPONSE PENDENT SPRINKLER VK102 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

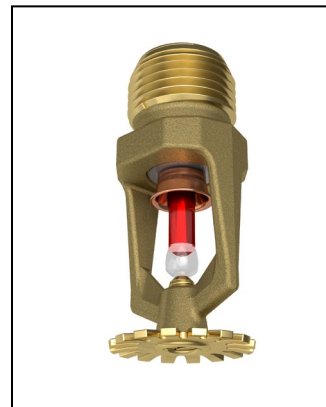
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

### 1. DESCRIPTION

The Viking Micromatic® Standard Response Pendent VK102 Sprinkler is a small, thermosensitive, glass-bulb spray sprinkler available in several different finishes and temperature ratings to meet design requirements. The special Polyester, and Electroless Nickel PTFE (ENT) coatings can be used in decorative applications where colors are desired. In addition, these coatings have been investigated for installation in corrosive environments and are listed/approved as indicated in the Approval Charts.

Viking standard response sprinklers may be ordered and/or used as open sprinklers (glass bulb and pip cap assembly removed) on deluge systems. Refer to Ordering Instructions.



### 2. LISTINGS AND APPROVALS



cULus Listed: Category VNIV



FM Approved: Classes 2001, 2002, 2015, 2017, 2043



VdS Approved: Certificate G414006 & G414004



LPCB Approved



CE: Standard EN 12259-1, DOP\_Sprinklers\_LPCB\_5-2-19 & DOP\_VK102WAX\_2-12-19



MED Certified: Standard EN 12259-1, EC-certificate 0832-MED-1003

China Approval: Approved according to China GB standard.

**NOTE: Other International approval certificates are available upon request.**

Refer to Approval Charts and Design Criteria for listing and approval requirements that must be followed.

### 3. TECHNICAL DATA

#### Specifications:

Minimum Operating Pressure: 7 psi (0.5 bar)\*

Maximum Working Pressure: 175 psi (12 bar) wwp

Factory tested hydrostatically to 500 psi (34.5 bar)

Thread size: 1/2" NPT, 15 mm BSPT

Nominal K-factor: 5.6 U.S. (80.6 metric\*\*)

Glass-bulb fluid temperature rated to -65 °F (-55 °C)

Overall Length: 2-1/4" (57 mm)

\* cULus Listing, FM Approval, and NFPA 13 installs require a minimum of 7 psi (0.5 bar). The minimum operating pressure for LPCB and CE Approvals ONLY is 5 psi (0.35 bar).

\*\*Metric K-factor measurement shown is in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

#### Material Standards:

Frame Casting: Brass UNS-C84400 or QM Brass

Deflector: Phosphor Bronze UNS-C51000 (Not for FM Approval) or Copper UNS-C19500

Bulb: Glass, nominal 5 mm diameter

Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with PTFE Tape

Screw: Brass UNS-C36000

Pip Cap and Insert Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400

For Polyester Coated Sprinklers: Belleville Spring-Exposed

For ENT coated Sprinklers: Belleville Spring - Exposed, Screw and Pipcap - ENT plated.

**Ordering Information:** Refer to Table 1

### 4. INSTALLATION

Refer to appropriate NFPA Installation Standards.

### 5. OPERATION

During fire conditions, the heat-sensitive liquid in the glass bulb expands, causing the glass to shatter, releasing the pip cap and sealing spring assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

### 6. INSPECTIONS, TESTS AND MAINTENANCE

Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.





## TECHNICAL DATA

## MICROMATIC® STANDARD RESPONSE PENDENT SPRINKLER VK102 (K5.6)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
 Visit the Viking website for the latest edition of this technical data page [www.vikinggroupinc.com](http://www.vikinggroupinc.com)

### 7. AVAILABILITY

The Viking Micromatic® Standard Response Upright Sprinkler VK100 is available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

### 8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

**TABLE 1: ORDERING INFORMATION**  
 Instructions: Using the sprinkler base part number,  
 (1) add the suffix for the desired Finish  
 (2) add the suffix for the desired Temperature Rating.

Sprinkler Base Part No.	Size		1: Finishes		2: Temperature Ratings				
	NPT Inch	BSPT mm	Description	Suffix <sup>1</sup>	Nominal Rating	Bulb Color	Hazard Classification	Max. Ambient Ceiling Temperature <sup>2</sup>	Suffix
12987	1/2	--	Brass	A	135 °F (57 °C)	Orange	Ordinary	100 °F (38 °C)	A
12989	--	15	Chrome	F	155 °F (68 °C)	Red	Ordinary	100 °F (38 °C)	B
20229	--	15	White Polyester <sup>3,5</sup>	M-/W	175 °F (79 °C)	Yellow	Intermediate	150 °F (65 °C)	D
			Black Polyester <sup>3,5</sup>	M-/B	200 °F (93 °C)	Green	Intermediate	150 °F (65 °C)	E
			Wax	C	212 °F (100 °C)	Green	Intermediate	150 °F (65 °C)	M
			Wax over Polyester	V-/W	286 °F (141 °C)	Blue	High	225 °F (107 °C)	G
			ENT <sup>3,4,5</sup>	JN	360 °F (182 °C)	Mauve	Extra High	300 °F (149 °C)	H
					500 °F (260 °C)	Black	Ultra High <sup>6</sup>	465 °F (240 °C)	L

**Example:** 12987MB/W = VK102 with White Polyester Finish and 155 °F (68 °C) Nominal temperature rating. This sprinkler is to be installed into an area with a maximum ambient temperature of 100 °F (38 °C) meaning if the area will experience temperatures above the maximum ambient rating, you shall use a higher temperature-rated sprinkler.

#### Corrosion Resistant Coatings<sup>5</sup>

- White Polyester and Black Polyester in all temperature ratings.
- ENT in all temperature ratings except 135 °F (57 °C).
- Wax-Coated Brass and Wax over Polyester<sup>7</sup> for sprinklers with the following temperature ratings:  
 155 °F (68 °C) Lt. Brown Wax | 175 °F (79 °C) Brown Wax | 200 °F (93 °C) Brown Wax | 286 °F (141 °C) Dk. Brown Wax<sup>7</sup>

#### Accessories

##### Sprinkler Wrenches (see Figure 1):

- A. Standard Wrench: Part No. 21475M/B
- B. Standard Wrench for Wax Coated Sprinklers: Part No. 10896W/B
- C. Socket Wrench for Recessed Pendent Sprinklers: Part No. 13655W/B (A 1/2" ratchet is required, not available from Viking)
- D. Socket Wrench for Wax Coated Sprinklers: Part No. 13577W/B (A 1/2" ratchet is required, not available from Viking)
- E. Optional Protective Sprinkler Cap Remover/Escutcheon Installer Tool<sup>9</sup>: Part No. 15915

##### Sprinkler Cabinet:

- A. Up to 6 sprinklers: Part number 01724A (available since 1971).
- B. 6-12 Sprinklers: Part number 01725A (available since 1971).

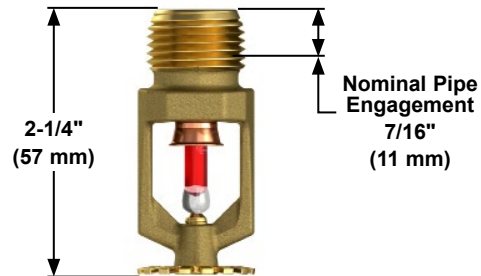
#### Footnotes

- Where a dash (-) is shown in the Finish suffix designation, insert the desired Temperature Rating suffix. See example above.
- Based on NFPA 13, NFPA 13R, and NFPA 13D. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.
- UL Listed as corrosion resistant.
- FM Approved corrosion resistant.
- The corrosion resistant and corrosion proofing coatings have passed the standard corrosion test required by the approving agencies indicated in the Approval Chart(s). These tests cannot and do not represent all possible corrosive environments. Prior to installation, verify through the end-user that the coatings are compatible with or suitable for the proposed environment. For automatic sprinklers, the coatings indicated are applied to the exposed exterior surfaces only. Note that the spring is exposed on sprinklers with Polyester and ENT coatings. For ENT coated automatic sprinklers, the waterway is coated.
- Sprinklers of Ultra-High temperature rating are intended for use inside ovens, dryers, or similar enclosures with normal operating temperatures above 300 °F (149 °C). Where the ambient temperature around the Ultra-High temperature rated sprinkler is significantly reduced below 300 °F (149 °C), response time may be severely retarded.
- Wax melting point is 170 °F (76 °C) for 286 °F (141 °C) temperature rated sprinklers. For more information regarding wax coatings, refer to [Bulletin Form No. F\\_010201](#).
- Allows use from the floor by attaching a length of 1" diameter CPVC tubing to the tool. Ideal for sprinkler cabinets. Refer to [Bulletin F\\_051808](#).



**TECHNICAL DATA****MICROMATIC® STANDARD  
RESPONSE PENDENT  
SPRINKLER VK102 (K5.6)**

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
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**Figure 1: Sprinkler Wrenches****Figure 2: Sprinkler Dimensions**





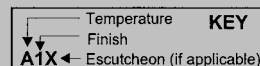
# TECHNICAL DATA

## MICROMATIC® STANDARD RESPONSE PENDENT SPRINKLER VK102 (K5.6)

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### Approval Chart 1 (UL)

Micromatic® Standard Response Pendent Sprinkler VK102  
 Maximum 175 PSI (12 bar) WWP



Sprinkler Base Part Number <sup>1</sup>	SIN	Thread Size		Nominal K-factor		Overall Length		Listings and Approvals <sup>3</sup> (Refer also to UL Design Criteria.)					
		NPT	BSPT	U.S.	metric <sup>2</sup>	Inches	mm	cULus <sup>4</sup>	VdS	LPCB	CE <sup>8</sup>	MED <sup>9</sup>	China Approval
12987	VK102	1/2"	15 mm	5.6	80.6	2-1/4"	57	A1, B3, B1Y, C4, D2, E5, G5Z	A1	A1, B3, B1Y	F1, G1Y, B4 <sup>12</sup>	F2X	--
12989	VK102	--	15 mm	5.6	80.6	2-1/4"	57	A1, B3, B1Y, C4, D2, E5, G5Z	A1	A1, B3, B1Y	F1, G1Y, B4 <sup>12</sup>	F2X	--
20229 <sup>10</sup>	VK102	--	15 mm	5.6	80.6	2-1/4"	57	E6	--	--	--	--	E6
<b>NOTICE - Product Below - No longer offered.</b>													
10139	VK102	1/2"	15 mm	5.6	80.6	2-1/4"	57	A1, B3, B1Y, C4, D2, E5, G5Z	--	--	--	--	--
10173	VK102	--	15 mm	5.6	80.6	2-1/4"	57	A1, B3, B1Y, C4, D2, E5, G5Z	A1	A1, B3, B1Y	--	F2X	--
18020	VK102	1/2"	15 mm	5.6	80.6	2-1/4"	57	A1, B3, B1Y, C4, D2, E5, G5Z	A1	A1, B3, B1Y	F1, G1X	F2X	--

#### Approved Temperature Rating Codes

A = 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C), and 360 °F (182 °C)  
 B = 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C)  
 C = 286 °F (141 °C)  
 D = 500 °F (260 °C)<sup>7</sup>  
 E = 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C), 360 °F (182 °C), and 500 °F (260 °C)<sup>7</sup>  
 F = 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C), and 360 °F (182 °C)  
 G = 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C)

#### Approved Finish Codes

1 = Brass, Chrome, White Polyester<sup>5,6</sup> and Black Polyester<sup>5,6</sup>  
 2 = Brass and Chrome  
 3 = Wax-Coated Brass and Wax Over Polyester<sup>5</sup>  
 4 = High Temperature 200 °F (93 °C) Wax Coating (corrosion resistant); maximum ambient temperature allowed at ceiling = 150 °F (65 °C)  
 5 = ENT<sup>5</sup>  
 6 = Chrome

#### Approved Escutcheon Codes

X = Recessed with the Viking Model E-1, E-2, or E-3 Recessed Escutcheon  
 Y = Standard surface-mounted escutcheon or recessed with the Viking Model E-1, E-2, or E-3 Recessed Escutcheon  
 Z = Standard surface-mounted escutcheon or recessed with the Viking Model E-1 Recessed Escutcheon

#### Footnotes

- Base part number is shown. For complete part number, refer to Viking's current price schedule.
- Metric K-factor shown is for use when pressure is measured in bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
- This table shows the listings and approvals available at the time of printing. Check with the manufacturer for any additional approvals.
- Listed by Underwriters Laboratories Inc. for use in the U.S. and Canada.
- cULus Listed as corrosion resistant.
- Other colors are available on request with the same Listings and Approvals as the standard colors.
- Sprinklers of Ultra-High temperature rating are intended for use inside ovens, dryers, or similar enclosures with normal operating temperatures above 300 °F (149 °C). Where the ambient temperature around the Ultra-High temperature rated sprinkler is significantly reduced below 300 °F (149 °C), the response time of the Ultra-High temperature rated sprinkler may be severely retarded.
- CE: Standard EN 12259-1, EC-certificate of conformity 0832-CPD-0021.
- MED Certified, Standard EN 12259-1, EC-certificate of conformity 0832-MED-1003 and 0832-MED-1008.
- Approved according to China GB standard.
- CE: Standard EC 12259-1, Declaration of Performance DOP\_Sprinklers\_LPCB\_5-2-19 & DOP\_VK102WAX\_2-12-19

### DESIGN CRITERIA - UL

(Also refer to Approval Chart 1.)

#### cULus Listing Requirements:

The Viking Micromatic® Standard Response Pendent Sprinkler VK102 is cULus Listed as indicated in Approval Chart 1 for installation in accordance with the latest edition of NFPA 13 for standard spray sprinklers.

- Designed for use in Light, Ordinary, and Extra Hazard occupancies.
- The sprinkler installation rules contained in NFPA 13 for standard spray pendent sprinklers must be followed.

**IMPORTANT: Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to Form No. F\_080614 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.**





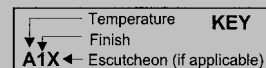
## TECHNICAL DATA

## MICROMATIC® STANDARD RESPONSE PENDENT SPRINKLER VK102 (K5.6)

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### Approval Chart 2 (FM)

Micromatic® Standard Response Pendent Sprinkler VK102  
 Maximum 175 PSI (12 bar) WWP



Sprinkler Base Part Number <sup>1</sup>	SIN	Thread Size		Nominal K-Factor		Overall Length		FM Approvals <sup>3</sup> (Refer also to Design Criteria below.)
		NPT	BSPT	U.S.	metric <sup>2</sup>	Inches	mm	
12987	VK102	1/2"	15 mm	5.6	80.6	2-1/4"	57	A1, B2, C3, D1, E4, G1Y, G4Z
12989	VK102	--	15 mm	5.6	80.6	2-1/4"	57	A1, B2, C3, D1, E4, G1Y, G4Z
20229 <sup>7</sup>	VK102	--	15 mm	5.6	80.6	2-1/4"	57	E5
<b>NOTICE - Product Below - Limited Availability (Contact Local Viking Office)</b>								
10139	VK102	1/2"	15 mm	5.6	80.6	2-1/4"	57	A1, B2, C3, D1, E4, G1Y, G4Z
10173	VK102	--	15 mm	5.6	80.6	2-1/4"	57	A1, B2, C3, D1, E4, G1Y, G4Z
18020	VK102	1/2"	15 mm	5.6	80.6	2-1/4"	57	A1, B2, C3, D1, G1Y

#### Approved Temperature Rating Codes

A = 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 212 °F (100 °C), 286 °F (141 °C), and 360 °F (182 °C)  
 B = 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), and 212 °F (100 °C)  
 C = 286 °F (141 °C)  
 D = 500 °F (260 °C)<sup>5</sup>  
 E = 155 °F (68 °C), 175 °F (79 °C), 200 °F (93 °C), 286 °F (141 °C), 360 °F (182 °C), and 500 °F (260 °C)<sup>5</sup>  
 F = 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C)  
 G = 155 °F (68 °C), 175 °F (79 °C), and 200 °F (93 °C)

#### Approved Finish Codes

1 = Brass, Chrome, White Polyester<sup>5,6</sup> and Black Polyester<sup>5,6</sup>  
 2 = Wax-Coated Brass (corrosion resistant)  
 3 = High Temperature 200 °F (93 °C) Wax Coating (corrosion resistant); maximum ambient temperature allowed at the ceiling = 150 °F (65 °C)  
 4 = ENT<sup>6</sup>  
 5 = Chrome

#### Approved Escutcheon Codes

Y = Standard surface-mounted escutcheon or recessed with the Viking Model E-1, E-2, or E-3 Recessed Escutcheon  
 Z = Standard surface-mounted escutcheon or recessed with the Viking Model E-1 Recessed Escutcheon

#### Footnotes

- Base part number is shown. For complete part number, refer to Viking's current price schedule.
- Metric K-factor shown is for use when pressure is measured in bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
- This table shows the listings and approvals available at the time of printing. Check with the manufacturer for any additional approvals.
- Other colors are available on request with the same Approvals as the standard colors.
- Sprinklers of Ultra-High temperature rating are intended for use inside ovens, dryers, or similar enclosures with normal operating temperatures above 300 °F (149 °C). Where the ambient temperature around the Ultra-High temperature rated sprinkler is significantly reduced below 300 °F (149 °C), the response time of the Ultra-High temperature rated sprinkler may be severely retarded.
- FM approved as corrosion resistant.
- Approved according to China GB standard.

### DESIGN CRITERIA - FM

(Also refer to Approval Chart 2.)

#### FM Approval Requirements:

The Viking Micromatic® Standard Response Pendent Sprinkler VK102 is is FM Approved as standard response **Non-Storage** pendent sprinkler as indicated in the FM Approval Guide. For specific application and installation requirements, reference the latest applicable FM Loss Prevention Data Sheets (including Data Sheet 2-0). FM Global Loss Prevention Data Sheets contain guidelines relating to, but not limited to: minimum water supply requirements, hydraulic design, ceiling slope and obstructions, minimum and maximum allowable spacing, and deflector distance below the ceiling.

**NOTE:** The FM installation guidelines may differ from cULus and/or NFPA criteria.

**IMPORTANT:** Always refer to Bulletin Form No. F\_091699 - Care and Handling of Sprinklers. Also refer to Form No. F\_080614 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.





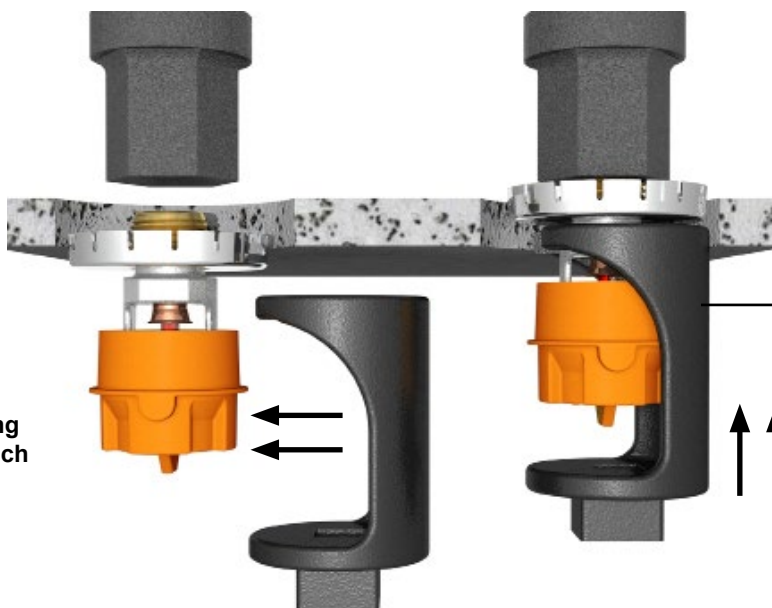
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### STANDARD FINISHES

Step 1: Carefully slide the wrench sideways around the protective cap, ensuring engagement with the wrench flats.

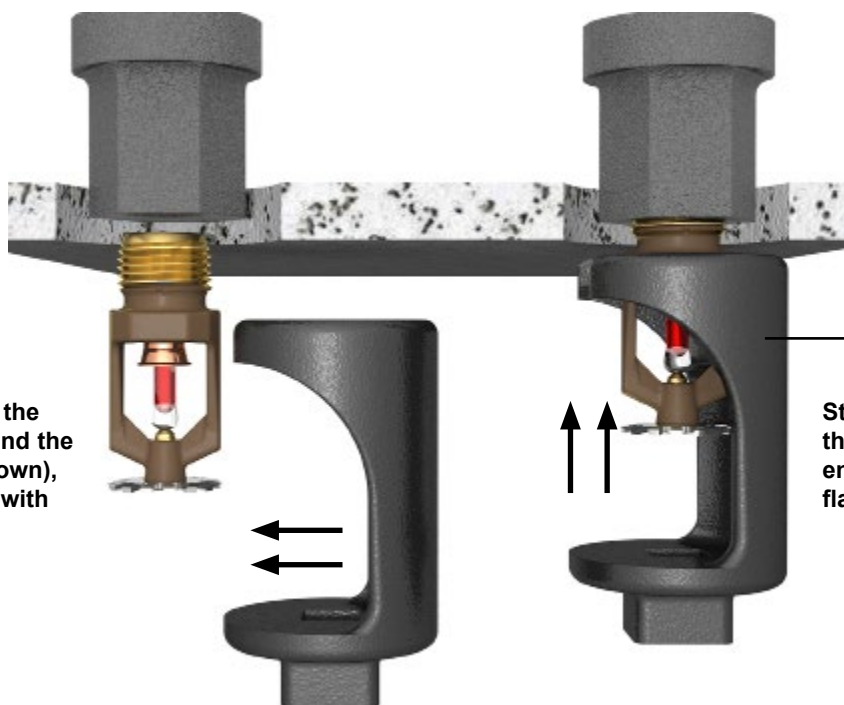


13655W/B\*

Step 2: Carefully press the wrench upwards to engage with the wrench flats.

### WAX COATED

Step 1: Carefully slide the wrench sideways around the protective cap (not shown), ensuring engagement with the wrench flats.



13577W/B\*

Step 2: Carefully press the wrench upwards to engage with the wrench flats.

Figure 3: Installation with Recessed Wrenches

\*Requires a 1/2 ratchet - not available from Minimax.





## TECHNICAL DATA

## MICROMATIC® STANDARD RESPONSE PENDENT SPRINKLER VK102 (K5.6)

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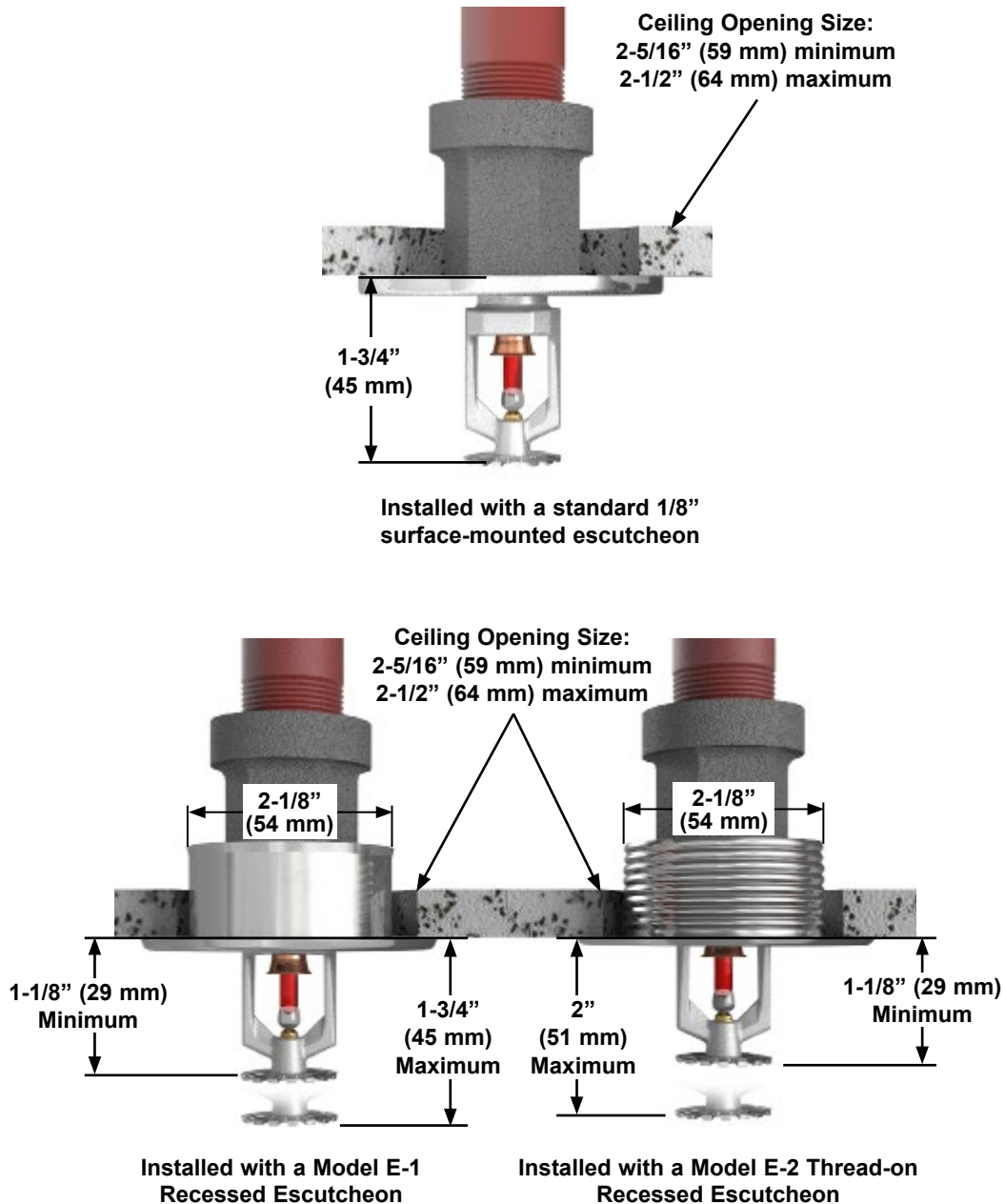



















Figure 4: Installation Dimensions with Escutcheons



The diagrams illustrate various hardware components used in scaffolding:

- TOP BEAM CLAMP**  
ATR w/ RING: A clamp with a ring at the bottom, used to secure a top beam.
- THREADED "U" w/ BEAM CLAMPS**: A U-shaped threaded rod with beam clamps at both ends, used to connect beams.
- 2-WAY SWAYBRACE**: A brace connecting two beams at a right angle, featuring a **WRAPAROUND BRACKET**, **SWIVEL END FITTING**, and **LAG BOLT AND WASHER**.
- 4-WAY SWAYBRACE**: A brace connecting four beams at a central point, also featuring a **WRAPAROUND BRACKET**, **SWIVEL END FITTING**, and **LAG BOLT AND WASHER**.

NOTE: SYSTEMS PIPING WILL BE SUPPORTED AND BRACED WITH HANGERS IN ACCORDANCE WITH NFPA-13 AND THE TRUSS MANUFACTURER'S REQUIREMENTS.

- | SYMBOL  | DESCRIPTION  |
|---|--|
|  | PENDENT TYPE SPRINKLER (SEE SPRINKLER LEGEND)          |
|  | UPRIGHT TYPE SPRINKLER (SEE SPRINKLER LEGEND)          |
|  | SIDEWALL TYPE SPRINKLER (SEE SPRINKLER LEGEND)         |
|  | 2-WAY SWAY BRACE                                       |
|  | 4-WAY SWAY BRACE                                       |
|  | FIRE SPRINKLER SYSTEM RISER                            |
|  | INSPECTOR'S TEST CONNECTION AND/OR DRAIN               |
|  | FIRE HYDRANT AND CONTROL VALVE (REFERENCE ONLY)        |
|  | HYDRAULIC CALCULATION NODE (REFERENCE POINT)           |
|  | RISER NIPPLE (BRANCH OR MAIN PIPE)                     |
|  | DEDICATED UNDERGROUND FIRE LINE                        |
|  | EXISTING PIPING (REFERENCE ONLY)                       |
|  | VALUE IN LOCATION "D" = DIAMETER OF PIPE<br>NEW PIPING |
|  | VALUE IN LOCATION "L" = LENGTH OF PIPE                 |
|  | PIPE HANGER LOCATIONS                                  |
|  | RISE OR DROP IN PIPING W/ TEE                          |
|  | RISER OR DROP IN PIPING W/ ELBOW                       |

A. PRIOR TO SUBMITTING A BID, INSTALLING CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND BECOMING FAMILIAR WITH ALL PLANS TO DETERMINE COORDINATION ISSUES WITH THE OWNER, ARCHITECT AND ALL OTHER TRADES. INSTALLING CONTRACTOR MUST VERIFY ALL DIMENSIONS AND DETERMINE PIPING ELEVATIONS. INSTALLING CONTRACTOR MUST SUBMIT REQUESTS FOR INFORMATION TO FIRE PROTECTION ENGINEERING SERVICES TO ENSURE COMPLIANCE WITH NATIONAL AND LOCAL CODE REQUIREMENTS AND PROPER INSTALLATION. TYPICALLY, ADDITIONAL FEES WILL NOT BE APPROVED AS A RESULT OF COORDINATION REVISIONS.

- B. THE INSTALLING CONTRACTOR MUST VERIFY AND ADHERE TO REQUIREMENTS OF ALL JURISDICTIONS BY OBTAINING (AND PAYING FOR) ANY AND ALL PERMITS NECESSARY; AND BY SUBMITTING PREPARED, COORDINATED SHOP (FABRICATION) DRAWINGS AS REQUIRED.

**C. THE INSTALLING CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE PREPARATION OF COORDINATED SHOP (FABRICATION) DRAWINGS BASED ON THESE CONTRACT DOCUMENTS.**

- D. THE INSTALLING CONTRACTOR SHALL SUBMIT PREPARED COORDINATED SHOP (FABRICATION) DRAWINGS TO THE ARCHITECT AND ENGINEER OF RECORD WITHIN 30 DAYS OF AWARD OF CONTRACT. THESE DRAWINGS SHALL BE MAINTAINED AND UPDATED FOR THE PURPOSES OF PROVIDING "AS BUILT" RECORD DRAWINGS AND SUBMITTED TO OWNER WITHIN 30 DAYS OF COMPLETION.

<b><u>WORKING DRAWINGS</u></b>	DRAWINGS DEVELOPED BY THE ENGINEERING FIRM WHICH REPRESENT THE DESIGN CONCEPTS AND RESTRICTIONS OF THE FIRE SPRINKLER SYSTEM.
<b><u>SHOP DRAWINGS</u></b>	DRAWINGS DEVELOPED BY THE CONTRACTOR, BASED UPON THE DESIGN CONCEPTS, WHICH DETAIL THE LAYOUT, COORDINATION AND INSTALLATION OF THE SPRINKLER SYSTEM. THIS INCLUDES SUPPLEMENTAL HYDRAULIC CALCULATIONS IF NECESSARY.
<b><u>AS BUILT DRAWINGS</u></b>	UPDATED SHOP DRAWINGS, MAINTAINED BY THE CONTRACTOR, WHICH REPRESENT ACTUAL INSTALLATION.

**FIGURE A-9.23.4 DISTANCE FROM SPRINKLER TO HANGER**

36" MAX. FOR 1" DIA.  
48" MAX. FOR 1/4" DIA.  
60" MAX. FOR 1/2" DIA. OR LARGER

PER TABLE 4-5.22.1

IF GREATER THAN 36" MAX. FOR 1" DIA.  
IF GREATER THAN 48" MAX. FOR 1/4" DIA.  
IF GREATER THAN 60" FOR 1/2" DIA. OR LARGER

THEN EXTEND HERE

A diagram of a 1D lattice with three sites. The central site is occupied by a fermion, represented by a black dot, and is labeled  $-Q$ . The two adjacent sites are labeled  $EQ$ . The lattice is represented by a horizontal line with vertical tick marks at the sites. A vertical line segment connects the central site to the horizontal line.

LOCATE SPRINKLERS IN THE CENTER OF TILE  $\pm 1"$  IN THE 2'-0" DIRECTION. LOCATE SPRINKLERS IN CENTER  $\pm 1"$  IN THE 4'-0" DIRECTION.  
NOTE: MAINTAIN SPRINKLER ALIGNMENT THROUGHOUT ENTIRE ROW OF TILES IN EITHER DIRECTION.

1. RISER SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR 24 HOURS.
2. PROVIDED A 18" MINIMUM CLEARANCE AROUND THE RISER ASSEMBLY.
3. PROVIDE HYDRAULIC CALC. PLATE PER NFPA 13.
4. PROVIDE  $\frac{1}{2}$ " PRESSURE RELIEF VALVE.

1. FLOW SWITCH - (WIRED BY ELECTRICAL CONTRACTOR)	8. FLANGE
2. 10" RED ELECTRIC BLACK W/ LD. SIGN - (WIRED BY ELECTRICAL CONTRACTOR)	9. D.I. UNDER SLAB
3. SPRINKLER HEAD BOX - (SEE GENERAL NOTES FOR DETAILS)	10. FINISHED FLOOR BLDG
4. TEST AND MAIN DRAIN - (PIPED TO DRAINAGE PER. ARCHITECTS INSTRUCTIONS)	11. DO NOT POUR SOLID
5. AMES COLD MODEL 200 DOUBLE CHECK ASSEMBLY	12. THROUST BLOCK
6. APPROVED RESISTANT SEALED INDICATING SHUT OFF VALVE WITH TIGHTER SWITCH UL LISTED OR FM APPROVED FOR USE ON FIRE PROTECTION SYSTEMS.	13. EXTERIOR WALL
7. FLEXIBLE COUPLING	14. UL LISTED PRESSURE GAS AND 3-WAY VALVE
	15. 4 WAY SWAY BRACING
	16. CHECK VALVE
	17. FIRE DEPT. CONNECTION

COORDINATE FIRE CONTRACTOR'S POINT OF CONNECTION  
WITH FIRE LINE SCHEMATIC AND CIVIL PLANS.

THIS SCHEMATIC IS USED FOR HYDRAULIC REFERENCE ONLY. SEE CIVIL PLANS FOR ACTUAL UNDERGROUND PIPING SIZES, TYPES AND LOCATIONS. FLUSHING AND TESTING TO BE PERFORMED BY THE INSTALLER PRIOR TO CONNECTION WITH THE OVERHEAD SPRINKLER SYSTEM.

SCALE: 1" = 40'-0"



1. THIS SYSTEM SHALL BE INSTALLED PER NFPA-13 AND THE CITY OF RHOME.
2. THIS SYSTEM IS CALCULATED PER NFPA-13 (SEE CALCULATION DESIGN INFORMATION).
3. FOR ALL INSPECTIONS AND TESTS, AN APPOINTMENT SHALL BE MADE WITH THE APPROPRIATE FIRE PREVENTION OFFICE TWO DAYS PRIOR TO SUCH.
4. ALL SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED @ 200 PSI FOR TWO HOURS OR AT 50 PSI ABOVE THE OPERATIONAL STATIC PRESSURE OF THE SYSTEM, WHICHEVER IS GREATER.
5. FIRE DEPARTMENT CONNECTIONS SHALL BE VISIBLE, ACCESSIBLE, WITH NATIONAL STANDARD THREADS, FEMALE OUTLETS, PROTECTIVE CAPS AND A CHECK VALVE LOCATED IN THE MAIN LINE. CHECK VALVE IS TO BE LOCATED AS CLOSE TO THE F.D.C. AS POSSIBLE. OUTLET CONNECTIONS TO BE LOCATED 3'-6" A.F.F. OR GRADE.
6. EACH VALVE SHALL HAVE A PERMANENTLY AFFIXED SIGN INDICATING ITS FUNCTION. ALL VALVE HANDLES TO BE LOCATED 7'-0" MAX. A.F.F.
7. A SUPPLY OF AT LEAST SIX SPARE SPRINKLERS (NEVER FEWER THAN SIX) SHALL BE MAINTAINED ON THE PREMISES PER NFPA 13 2016 ED. IN ROOMS NOT EXCEEDING 100 DEGREES.
8. THIS SYSTEM IS TO BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE STATION SERVICE OR A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
9. ALL MATERIALS USED IN THE INSTALLATION OF THIS SYSTEM(S) SHALL BE NEW AND OF CURRENT ISSUE. ALL MATERIALS SHALL BE APPROVED BY U.L. (UNDERWRITERS LAB) AND BE IN CONFORMANCE WITH THE MOST CURRENT ISSUE OF THE NFPA-13 AS WELL AS THE AUTHORITY HAVING JURISDICTION.
10. THE JOINTING OF PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH NFPA-13.
11. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-13.
12. ALL SYSTEM PIPING TO HAVE A CORROSION RESISTANCE RATIO (CRR) OF 1.00 MIN. ALL MAIN PIPING TO BE "EDDY-FLOW" PER ASTM-795 OR EQUIVALENT. PIPING UP TO 2" IN DIA. TO BE "EDDY-THREAD" PER ASTM-A795 OR EQUIVALENT. SREWED FITTINGS TO BE 125# CAST IRON. MAINS TO USE GROOVED FITTINGS.
13. SYSTEM PIPING WILL BE SUPPORTED WITH HANGERS IN ACCORDANCE WITH NFPA-13 AND THE TRUSS MANUFACTURER'S REQUIREMENTS.
14. PROVISIONS OF SEISMIC SWAY BRACING SHALL BE IN ACCORDANCE WITH NFPA-13.
15. PAINTING OF THE SYSTEM PIPING AND COMPONENTS IS NOT PART OF THIS SCOPE AND, IF REQUIRED, IT SHALL BE PERFORMED BY THE PAINT CONTRACTOR.
16. ELECTRICAL WORK IS NOT A PART OF THIS SCOPE AND SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR.
17. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE INTEGRITY OF THE SPRINKLER SYSTEM DURING CONSTRUCTION.
18. ALL PIPE LENGTHS SHOWN ARE CENTER TO CENTER.
19. ELEVATIONS AND DIMENSIONS SHOWN ON THESE DRAWINGS ARE NOMINAL. ACTUAL MEASUREMENTS MAY VARY AND SHALL BE DETERMINED BY THE INSTALLING CONTRACTOR.

DDF JOB #: 22.0016



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# QuikTrip No. 1873

SEC HWY 114 AND HWY 81  
RHOME, TEXAS



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PROTOTYPE	P-108.00
DIVISION	DALLAS
VERSION	TCNK
DATE	11.1.2021

REV	DATE	DESCRIPTION
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ORIGINAL ISSUE DATE: 05/13/2022

SHEET TITLE:

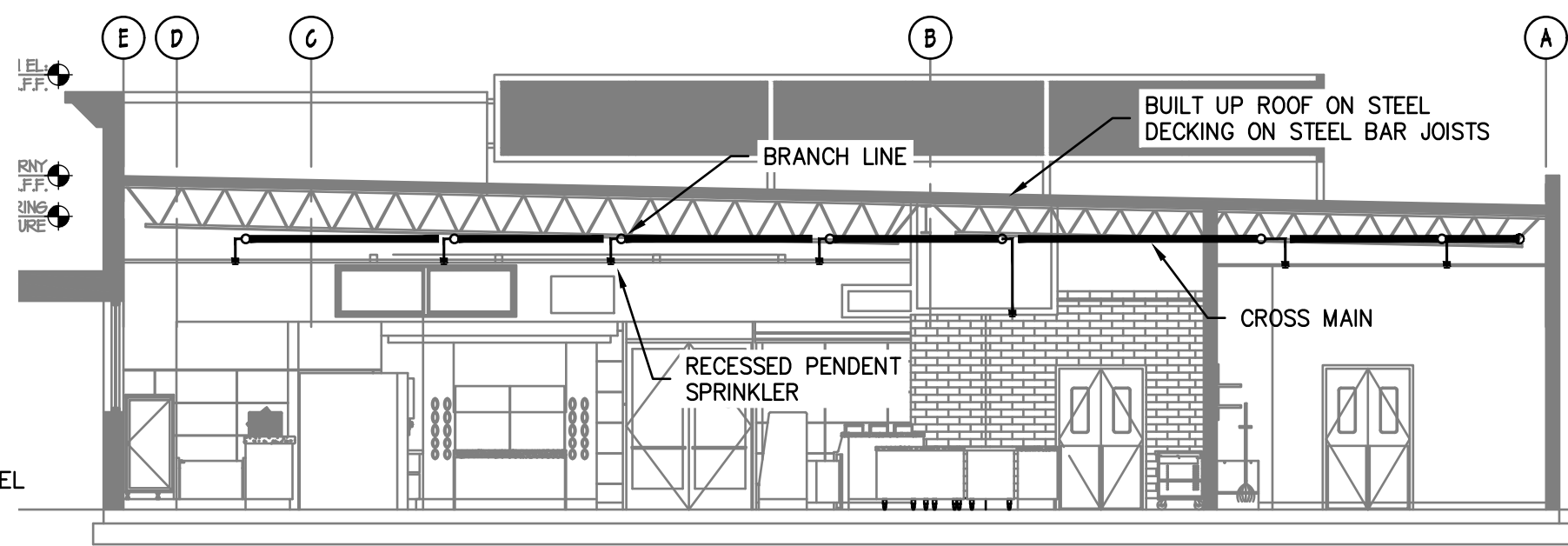
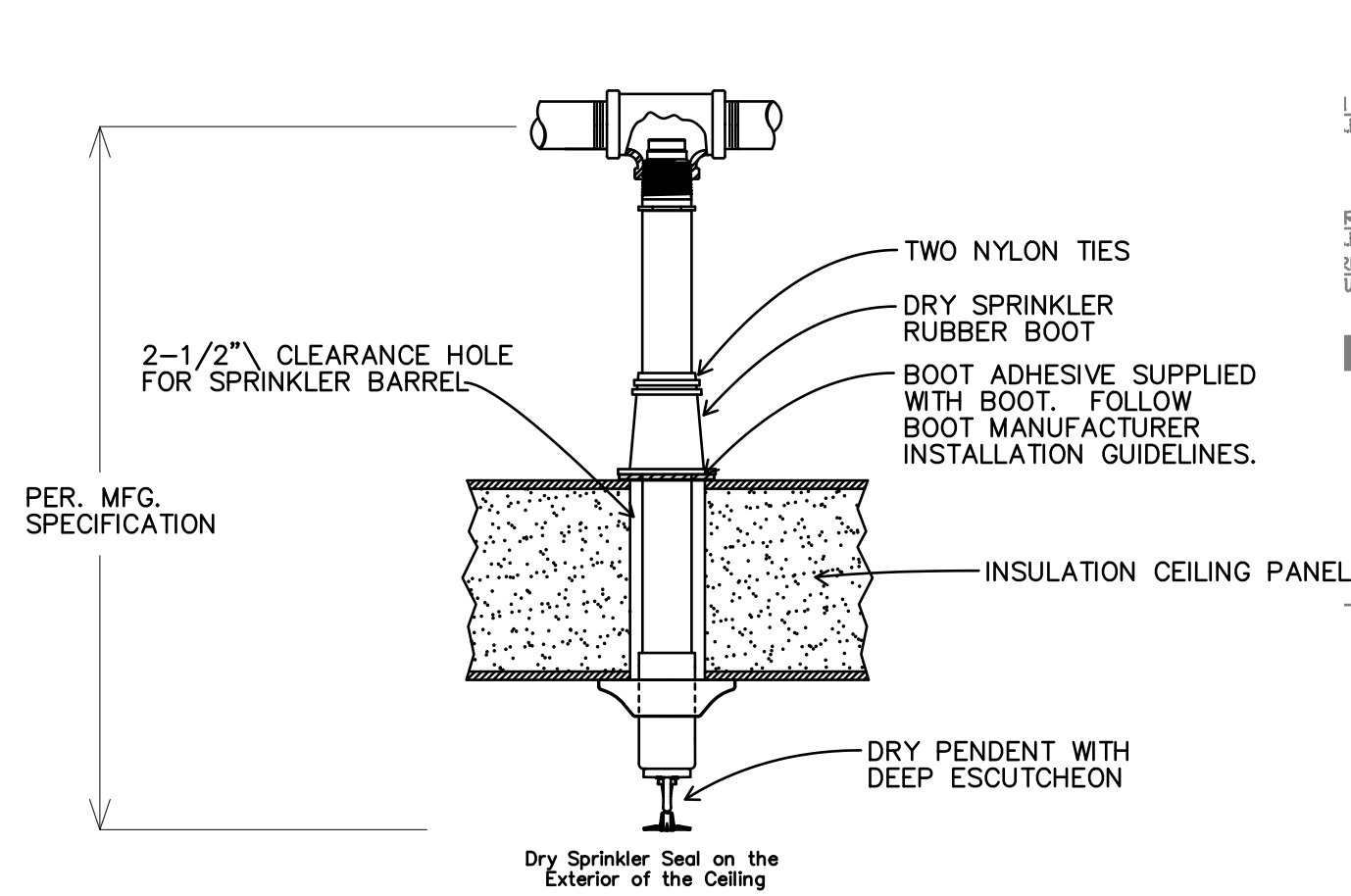
**FIRE LINE  
CALCULATION  
SCHEMATIC**

SHEET NUMBER:

# FP1



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



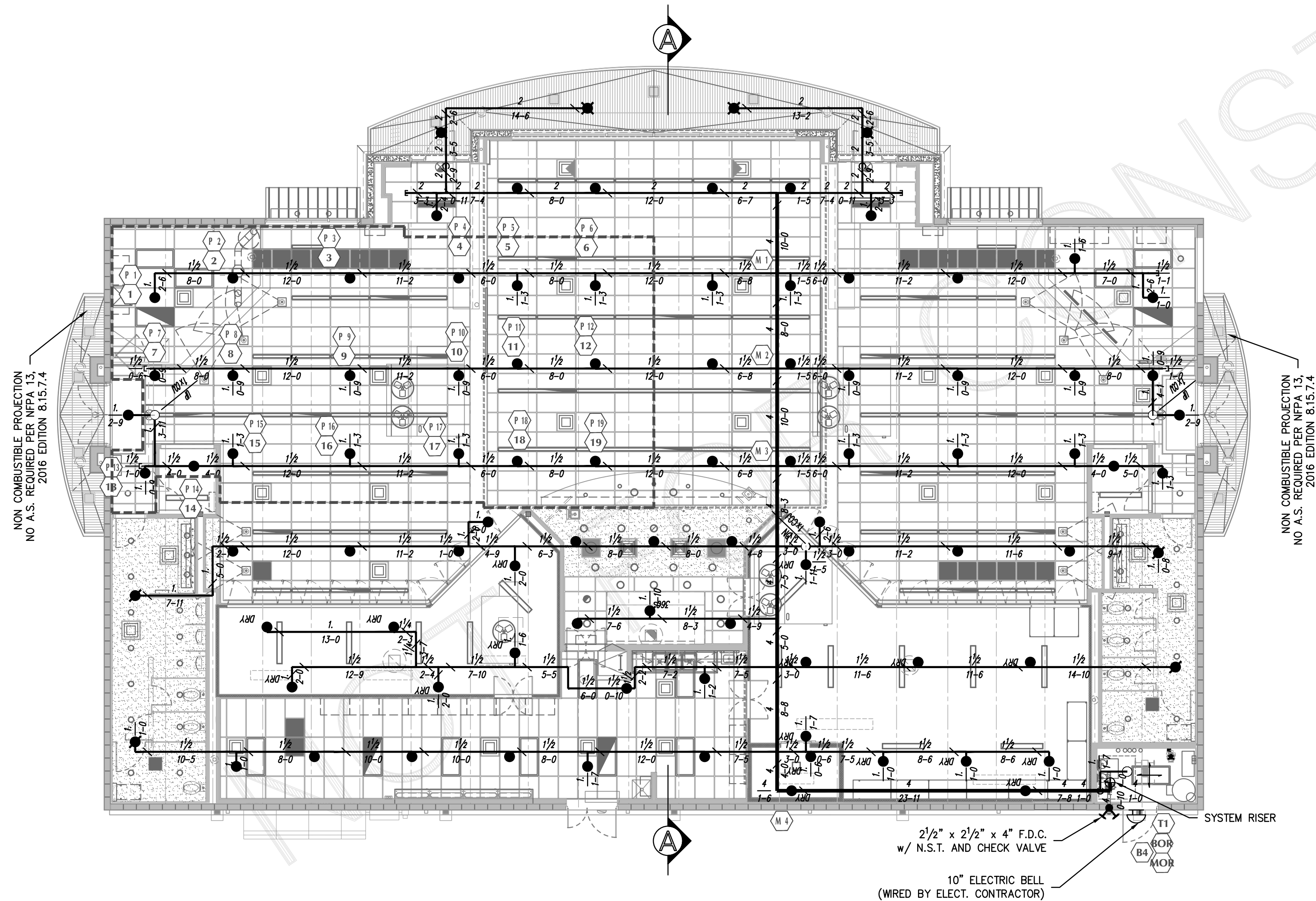
BUILDING SECTION A - A

SCALE: 1/8" = 1'-0"

- NOTES:
1. DO NOT USE SPRAY FOAM MATERIALS TO SEAL PENETRATIONS.
  2. INSTALL SUFFICIENT QUANTITY OF SPRINKLERS AROUND LIGHT FIXTURES TO ELIMINATE OBSTRUCTIONS, AND TO MEET REQUIREMENTS OF NFPA 13.

FIRE SPRINKLER PENETRATION AT WALK-IN COOLERS AND FREEZERS

NOT TO SCALE



NOTE: PIPE SIZES SHALL BE DETERMINED AFTER HYDRAULIC CALCULATIONS ARE PERFORMED BASED ON A CURRENT HYDRANT FLOW TEST.

JMS2207221-1A

These plans were prepared by:



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**APPROVAL STAMP**

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DIVISION DALLAS  
VERSION TCNK  
DATE 11.1.2021

REV DATE DESCRIPTION

SHEET TITLE:

**FIRE SPRINKLER  
PIPING PLAN  
STORE**

SHEET NUMBER:

**FP2**

SPRINKLER LEGEND							
SYMBOL	MODEL	K-FAC	THREAD	RATING	DESCRIPTION	FINISH	QTY.
○	VIKING VK300	5.6	1/2"	155"	QR UPRIGHT	BRASS	2
●	VIKING VK464	8.0	3/4"	155"	QR CONCEALED PENDENT	MATCH	67
■	VIKING VK462	5.6	1/2"	200"	QR CONCEALED PENDENT	MATCH	4
● DRY	VIKING VK180	5.6	1"	200"	DRY QR PENDENT w/ 2 PC. ESC.	CHROME	17
●	VIKING VK302	5.6	1/2"	155"	QR PENDENT w/ 2 PC. REC. ESC.	MATCH	4
● 360°	VIKING SIN VK102	5.6	1/2"	360"	SR PENDENT w/ FLAT ESCUTCHEON	CHROME	1
MATCH/ PER. ARCH'S REQUIREMENTS						TOTAL THIS SHEET =	
						95	