

AGENDA

CITY OF TAYLOR, TEXAS CITY COUNCIL MEETING

MAY 14, 2020, 6:00 P.M.

In order to assist in maintaining the health of Council Members, staff and the public, this meeting will be conducted by *video conference*.

You may view this meeting as it's happening through the City's website at <http://www.ci.taylor.tx.us/660/Taylor-Videos>

For citizen comments and public hearing item, please contact the City Clerk's office at Dianna.barker@taylor.tx.gov prior to 5:30p.m. Thursday, May 14th.

The agenda packet is available at <http://www.ci.taylor.tx.us/calendar>

CALL TO ORDER AND DECLARE A QUORUM

CITIZENS COMMUNICATION

(The City Council welcomes public comments on items not listed on the agenda. However, the Council cannot respond until the item is posted on a future meeting agenda. Registration forms are available at the sign in table. Public comments are limited to 3 minutes.)

CONSENT AGENDA

(The Consent Agenda includes non-controversial and routine items that the Council may act on with one single vote. Any Council member may pull any item from the Consent Agenda to discuss and act upon individually on the Regular Agenda.)

1. Approve minutes from the April 21, 2020 special called Council meeting and the April 23, 2020 Council meeting. (Dianna Barker)
2. Concur with preliminary financials for March 2020. (Jeff Wood)
3. Consider Ordinance 2020-03, adding the standard design details to the Engineering Manual. (Jacob Walker/Mark Schroeder)
4. Memorandum of Understanding (MOU) with Pflugerville Fire Department to participate in regional Assistance for Firefighters Grant for purpose of firefighter medical exams. (Chief Baum)

PUBLIC HEARINGS / ORDINANCES

5. Hold a public hearing and introduce Ordinance 2020-04 regarding a text amendment to the Zoning Ordinance, Section 3.5.1 Home Occupations, to add a provision for Specific Use Permits in certain circumstances. (Tom Yantis)

REGULAR AGENDA; REVIEW/DISCUSS AND CONSIDER ACTION

6. Receive Taylor Chamber of Commerce Quarterly Report for January - March 2020. (Tia Stone)
7. Receive 6-month financial update and forecast. (Jeff Wood)
8. Receive 2019 Compensation Study update and analysis for the FY 2020-21 budget process. (Kim Peterson/Jeff Wood)
9. Receive presentation on Storyboard Map. (Stacey Osborne/Jacob Walker/Thomas Brown)
10. Receive presentation on draft update to the city website. (Stacey Osborne)
11. Receive update on COVID-19. (Chief Baum)
12. Consider approving Resolution R 20-16, authorizing an application to the Texas Water Development Board for Flood and Drainage Improvements. (Jeff Jenkins)

ADJOURN

The Council may vote and/or act upon each of the items listed in this Agenda. The Council reserves the right to retire into executive session concerning any of the items listed on this Agenda, whenever it is considered necessary and legally justified under the Open Meetings Act including: Section 551.071 (Consult with attorney); Section 551.072 (Real Property); Section 551.073 (Gifts and Donations); Section 551.074 (Personnel Matters); Section 551.076 (Security Devices); and Section 551.087 (Economic Development). I certify that the notice of meeting was posted in the Taylor City Hall Lobby before 6:00 p.m. on May 11, 2020 and remained posted for at least 72 hours continuously before the scheduled time of said meeting. I further certify that the following news media was notified of this meeting: Taylor Press.

In compliance with the ADA the City Hall and Council Chambers is wheelchair accessible. Reasonable accommodations will be provided for persons attending city council meetings in need of special assistance. Please contact the City Clerk at least 24 hours prior to the meeting for special assistance.

Posted By: Dianna Barker Date 5-11-2020
Dianna Barker, City Clerk



City Council Meeting

May 14, 2020

Transmittal Letter

STRATEGIC PILLAR

- ☐ Streets/Infrastructure
- ☒ Quality of Life
- ☐ Economic Vitality

Agenda Item #: 1

Agenda Title: Approve minutes from the April 21, 2020 special called Council meeting and the April 23, 2020 regular Council meeting.

Council Action to be taken: Approve by consent or approve with corrections if needed

Department Submitted: City Clerk

Staff Contact: Dianna Barker

1. PURPOSE/DESCRIPTION

Pursuant to the Open Meetings Law, Chapter 551, Local Government Code and in accordance with the authority contained in Section 551.021 and the City Charter, the Minutes of each City Council meeting must be recorded, compiled and approved by the City Council in subsequent meetings. The purpose of this item is to conform to these legal requirements.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

N/A

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>

4. RECOMMENDATION

Approve as submitted or amend with changes noted.

5. FUNDING SOURCE

N/A

6. TIMELINE

N/A

7. OTHER OPTIONS (In order of preference)
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N/A

8. ATTACHMENTS

1a. [April 21, 2020 minutes](#)

1b. [April 23, 2020 minutes](#)

City of Taylor
Special Called City Council Meeting
Taylor City Hall, Council Chambers, 400 Porter Street
April 21, 2020 at 6:00 p.m. via Video Conferencing

This meeting was called pursuant to Chapter 551, Government Code, Section 551.045(a)(b), regarding an emergency of urgent public necessity in order to take immediate action regarding public health related matters and concerns pertaining to the Coronavirus Disease 2019 (COVID-19).

This meeting was held by video conference.

Present in City Hall: No one.

Council Members attending via video: Mayor Brandt Rydell
Mayor Pro-Tem Dwayne Ariola
Council Member Robert Garcia
Council Member Mitch Drummond
Council Member Gerald Anderson (joined meeting at 6:03pm)

Others attending via video: Brian LaBorde, City Manager
Jeff Jenkins, Deputy City Manager
Dianna Barker, City Clerk

Mayor Brandt Rydell declared a quorum by verifying each Council Member could see and hear the each other via video(Zoom) and called the meeting to order at 6:00 p.m.

CITIZENS COMMUNICATION - Citizens who wished to address the Council were given instructions prior to the meeting on how to join the meeting or leave their comments/questions with the City Clerk. No comments or questions were submitted prior to the meeting.

REGULAR AGENDA; REVIEW/DISCUSS AND CONSIDER ACTION

1. Consider approving Resolution R20-14 extending the March 16, 2020 Disaster Declaration through May 31, 2020.

Brian LaBorde – In order to qualify for Federal or State aid, the city must have passed a declaration to be eligible for funding. The State and County both have disaster declarations.

Mayor Rydell – Because conditions necessitate COVID-19 will continue to exist for a period of time longer than the current termination date of April 22, 2020, Mayor Rydell requested the Disaster Declaration that was signed on March 16th and ratified by the Council on March 23rd be extended until May 31, 2020.

Motion was made by Councilmember Garcia to adopt Resolution R20-14 as presented. Motion seconded by Councilmember Drummond. Mayor Rydell called for a record vote:

Mayor Pro-Tem Ariola voted Yes

Councilmember Garcia voted Yes

Councilmember Drummond voted Yes

Councilmember Anderson voted Yes

Mayor Rydell voted Yes

Motion carried unanimously.

Special Called City Council Meeting Minutes

April 21, 2020

2

ADJOURN

With no further business Mayor Rydell declared the meeting adjourned at 6:08p.m.

ATTEST:

Dianna Barker, City Clerk

Brandt Rydell, Mayor

City of Taylor
Regular City Council Meeting
Taylor City Hall, Council Chambers, 400 Porter Street
April 23, 2020 at 6:00 p.m. via Video Conferencing

In order to assist in maintaining the health of Council Members, staff and the public during COVID-19 pandemic, this meeting was held by video conference.

Present in City Hall: No one.

Council Members attending via video: Mayor Brandt Rydell
Mayor Pro-Tem Dwayne Ariola
Council Member Robert Garcia
Council Member Mitch Drummond (6:04)
Council Member Gerald Anderson

Mayor Brandt Rydell declared a quorum and called the meeting to order at 6:00 p.m.

CITIZENS COMMUNICATION

None.

CONSENT AGENDA

1. **Approve minutes from March 12, 2020 Council meeting and March 23, 2020 Special Called Council meeting.**
2. **Concur with preliminary financials for February 2020.**

Motion was made by Councilmember Anderson to approve the consent agenda items as presented. Motion was seconded by Councilmember Garcia. Mayor Rydell called for a roll call vote. Motion carried 4 to 0.

PUBLIC HEARING/ORDINANCES

3. **Introduce Ordinance 2020-03, adding the standard design details to the Engineering Manual. (Jacob Walker/Mark Schroeder)**

Jacob Walker, HDR Engineering – the standard design details to the Engineering Manual was accidentally left out when the Subdivision Ordinance was updated/amended in December 2019. This ordinance adds that back to the Manual.

The City Attorney read the caption of the ordinance.

ORDINANCE NO. 2020-03

THIS ORDINANCE AMENDS ORDINANCE NO. 2009-37 AND ORDINANCE NO. 2019-32 WHEREIN AN ENGINEERING MANUAL WAS ESTABLISHED AND SUBSEQUENTLY AMENDED FOR MINIMUM STANDARDS AND CONSTRUCTION DETAILS FOR ALL PUBLIC FACILITY IMPROVEMENTS, WITH STANDARD DETAILS FOR EACH TYPE OF IMPROVEMENT; AND THIS ORDINANCE ESTABLISHES A REVISED ENGINEERING MANUAL FOR THE PURPOSES SET FORTH IN THE REVISED ENGINEERING MANUAL

ATTACHED HERETO AND INCORPORATED INTO THIS ORDINANCE;
PROVIDING AN EFFECTIVE DATE; PROVIDING A PENALTY CLAUSE;
PROVIDING A REPEALER CLAUSE; AND PROVIDING A SAVINGS CLAUSE.

First reading. No action was taken.

Councilmember Drummond joined the meeting at this point.

REGULAR AGENDA; REVIEW/DISCUSS AND CONSIDER ACTION

4. Receive update and consider 2019 Street Reconstruction Program.

Jacob Walker, HDR Engineering – gave a presentation on the progress of the five streets to be reconstructed, Lynn, Robinson, Lake, Edmond/Mills, and 3rd Street.

Motion was made by Mayor Pro-Tem Ariola to receive the 2019 Street Reconstruction Program update as presented. Motion was seconded by Councilmember Drummond. Mayor Rydell called for a roll call vote. Motion carried unanimously.

5. Receive Comprehensive Annual Financial Report (CAFR) for FY2018-2019.

Jeff Wood, Finance Director - presented the Comprehensive Annual Financial Report (CAFR) of the City of Taylor for the fiscal year ended September 30, 2019. Mike Brooks of the accounting firm BrooksWatson & Company PLLC presented an overview of the financial audit.

Motion was made by Councilmember Garcia to receive the FY2018-2019 CAFR report as presented. Motion was seconded by Councilmember Anderson. Mayor Rydell called for a roll call vote. Motion carried unanimously.

6. Receive, consider and take any appropriate action on an update on public health related matters and concerns pertaining to the Coronavirus Disease 2019 (COVID-19).

Chief Baum - provided Council with an update on the local response to the COVID-19 pandemic.

Motion was made by Mayor Pro-Tem Ariola to receive the COVID-19 pandemic update as presented. Motion was seconded by Councilmember Drummond. Mayor Rydell called for a roll call vote. Motion carried unanimously.

Mayor Rydell read the executive session meeting announcement and adjourned into executive session at 7:11pm.

Executive Session I. The Taylor City Council will conduct a closed executive meeting under Section 551.072 of the Texas Government Code, to conduct deliberations regarding the purchase, exchange, lease, or value of real property.

a. Justice Center

City Council reconvened into regular session at 7:45pm.

No action was taken.

Regular City Council Meeting Minutes

April 23, 2020

3

ADJOURN

With no further business Mayor Rydell declared the meeting adjourned at 7:45p.m.

Brandt Rydell, Mayor

ATTEST:

Dianna Barker, City Clerk



City Council Meeting May 14, 2020 Transmittal Letter

STRATEGIC PILLAR

- ☐ Streets/Infrastructure
- ☐ Quality of Life
- ☒ Economic Vitality

Agenda Item #: 2

Agenda Title: **Concur with Preliminary Financials for March 2020**

Council Action to be taken: Approve by Consent

Department Submitted: Finance Department

Staff Contact: Jeffrey Wood, Director of Finance

1. PURPOSE/DESCRIPTION

Article 12, Section 12.3 of the City of Taylor's Charter states in part that the City Manager shall prepare and submit to the City Council a written monthly financial report that is in a form satisfactory with the City Council. This report is intended to satisfy the Charter requirement.

2. BACKGROUND / PRIOR COUNCIL ACTIONS TAKEN

Council has approved previous monthly financial reports by consent.

3. STAFF ANALYSIS (How and Why)

The following provides a brief overview on the preliminary status and/or activity of the major funds or groups of funds as of March 31, 2020:

General Fund:

The General Fund is used to account for all financial transactions not properly includable in other funds. The principal sources of revenues include local property taxes, sales and franchise taxes, licenses and permits, fines and forfeitures, and charges for services. Expenditures include general government, public safety, public works, culture and recreation, and community development.

- Revenues in the General Fund are up by \$1,208,015 or 12.1% over last year's fiscal year-to-date. The majority of revenue collected in March was received through property tax and sales tax. Revenues collected is reported at 75.53% of the budget.
- Property tax collections amount to \$7,116,535 through March. The amount collected represents approximately 99.6% of budget. The timing of individual tax

payments can vary year-over-year so comparisons to previous years should keep such fluctuations in mind.

- The City's portion of the sales tax collections were \$1,811,298 through March, up by \$145,397 or 8.7% when compared to this same time last year. Sales tax collections continued to trend upward through March, but COVID-19 has affected our anticipated sales tax collections for the rest of the fiscal year. The Sales Tax Tracking Report now contains a new column with the revised estimate of sales tax collections for this year. These estimates will be updated as new information about the impact of COVID-19 on business sales becomes available.
- Expenditures in the General Fund are up by \$574,224 or 8.74% compared to last year's expenses fiscal year-to-date. Increases over the prior year include planned adjustments to base items that were added to the budget by various departments within the General Fund. Expenditures of 49.35% of budget are at an acceptable level year-to-date when compared to budgeted amounts.

Special Revenue Funds:

The City accounts for resources restricted to, or designated for, specific purposes in special revenue funds.

- The TIF Fund received the annual transfer in from the City during the month of March for the captured taxes collected in the district. The County's portion of the captured taxes should be received in April. The only other activity reported for revenue is earned interest income of \$5,391. The TIF funds that are being invested can be found in the monthly investment report. The current expenditures for this fiscal year are related to the gateway signage and debt service payments, but additional expenditures in the TIF are anticipated for fire suppression and a transfer to the Main Street Fund for façade grants.

PLEASE NOTE THE CHANGE IN HOT REPORTING METHODOLOGY

- Hotel Occupancy Tax collections from the six lodging providers are recorded monthly, but the 380 Agreement payment is distributed quarterly. Due to this, I am now reporting HOT revenue and expenditures net of the 380 Agreement hotel taxes. This will enable comparison of current collections to previous years. The net numbers are reported here and in the Financial Summary of the report. Gross revenue and expenditures can be found in the Financial Statement by Fund. Hotel Occupancy Tax net collections are reported at \$36,202 fiscal year-to-date, of which \$2,256 was collected in March. March's collection was \$3,585 less than March 2019, and year-to-date HOT collections are \$819 less than FY2019. The new hotel's market share accounts for approximately 65% of HOT collections. Although the new hotel has had a positive effect on total HOT collections since it opened, the recent data shows that its expanding market share is having a more negative impact on net HOT collections. HOT collections are volatile and seem to be dependent on the open capacity of the new hotel and the amount of discount provided by the other hotels. Expenditures consist of \$25,460 as a pass through to the Chamber, \$0 for our marketing partnership, and \$2,500 as a transfer to the Main Street Fund to be used for advertising.

- Main Street revenues reported during the year are from sales and other fund-raising activities such as the Christmas bazar and wine swirl, and includes transfers from other funds. Expenditures are for rental assistance, advertising, city sponsored events, façade grants and Blackland Prairie Days.
- Municipal Court Special Revenues total \$9,065, which is 44.3% of budget. Expenditures from this fund are for security work and technology at the Municipal Court.
- Library Donation Fund reflects revenues generated from interest income of \$2,152 and \$12 in donations. Year-to-date there has been \$33 spent on postage and \$4,278 spent on books from this fund.
- Transportation User Fee (TUF) Fund - Revenues collected in March are reported at \$69,671, with user fees accounting for \$66,571. Expenditures are associated with engineering cost, the street analysis survey, and the cost of the work done for street maintenance.
- Municipal Drainage Utility System (MDUS) Fund - Revenues collected in March are reported at \$41,237. Expenditures are related to the administrative fee transfer to the General Fund, engineering expenses, and debt service payment transfers.

Enterprise Funds:

The City maintains several Enterprise funds, which are used to account for operations that are more reflective of business-type activities. All activities associated with providing such services are accounted for in these funds. Enterprise funds are primarily funded by user charges and fees.

Sanitation Fund

- Revenues from user charges for services in March are reported at \$136,832. The City contracts its solid waste collection service and expenditures represent the payment to the City's solid waste provider. March's cost for solid waste collection services is \$136,225. YTD revenues exceed expenditure by \$15,737.

Utility Fund

- Revenues through March totaled \$4,975,548, which includes \$4,823,558 in charges for service. User charges are up \$650,918 compared to the same period last year. Expenditures fiscal year-to-date total \$5,020,957 compared to \$3,816,420 a year ago. Year-to-year comparisons in the Utility Fund reflect differences in billing and usage, and such differences can be caused by several factors that can vary throughout the year. This should be kept in mind when comparing individual time periods.
- The Utility Fund is operating at acceptable levels when compared to budgeted amounts for the first four months of the fiscal year, with revenues at 50.46% of budget and expenditures around 51.57% of budget.

- Expenditures exceed revenues by \$45,409.

Airport Fund

- Revenues consist of airport hangar rental, sale of fuel and interest income. Hangar rental is reported at \$112,776 and revenues from fuel sales are \$85,266. Total revenues for the current fiscal year are up by \$134, or 0.06% compared to the previous year.
- Operating expenditures are \$221,770 and when compared to last year are up by \$36,029. The Airport Fund is operating slightly higher than budgeted amounts with expenditures exceeding revenues by \$15,352.

Cemetery Fund

- Revenues are reported at \$56,966 and are significantly lower than budgeted amounts and are not sufficient enough to cover expenditures. Revenues are dependent on the number of lots sold and graves dug, and both of these sources can be variable.
- Expenditures total \$76,853, which represents 36.22% of budgeted amounts.
- Expenditures exceed revenues by \$19,888.

Other Funds:

- Roadway Impact Fund – There was \$798 in revenues collected in March. Budgeted expenditures in this fund are related to the Comprehensive Plan update. Unbudgeted expenditures currently recorded are related to impact fee refunds.
- Utility Impact Fund – There were \$10,500 in revenues collected in March. Expenditures are budgeted for the Comprehensive Plan update.

Internal Service Funds:

Internal Service Funds are an accounting device used to accumulate and allocate costs internally among the City's various functions. The City uses internal service funds to account for the maintenance and purchase of equipment.

- The Fleet Operating Fund charges rental fees and replacement fees to the various City departments and these fees are used to off-set the expenditures for repairs and maintenance to the City's vehicles. This same concept is applied to the Fleet Replacement Fund for the purpose of purchasing vehicles.
- Expenditures in the Fleet Operating Fund are operating as anticipated.

- The Fleet Replacement Fund reflects expenditures that includes carryovers from the previous year, such as the Fire Pumper truck and associated equipment, and motor vehicles that were ordered last fiscal year but will be received in the current fiscal year. Capital lease payments for purchases are made either monthly, quarterly or annually throughout the year.

Investments

- Money that the City does not need to meet immediate operational needs is invested in appropriate investment vehicles in accordance with the City's Investment Policy. Investments are chosen based on the investable time horizon and the safety, liquidity and yield of the investment. Most of the money invested is from restricted funds that can only be used for specific purposes.
- Interest rates trended down during March as the Federal Reserve Board continued to keep rates accommodative for economic expansion. We have seen a slowdown in economic activity due the coronavirus impact on retail sales and limitations to essential businesses only. The spread of COVID-19 to other parts of the world is resulting in a general economic slowdown as infected areas take action to prevent the spread of the disease. The current viewpoint is that the coronavirus may subside with the arrival of warmer weather and business pressures should ease as societal limitations are removed and employees are able to return to work. Lower interest rates result in less earnings on our invested money but will benefit us when we finance the purchase of large equipment and vehicles. Unfortunately, none of our long-term debt is able to be refinanced at this time to take advantage of the lower interest rates.
- The asset diversification in the portfolio has remained consistent over the last six months as pooled cash accounts have been providing competitive rates compared to other investment alternatives. Given the interest rate structure currently in place, we will look to continue to invest idle funds in short-term, liquid investments such as the pooled cash accounts and commercial paper
- The market value of the portfolio at the end of March was \$36,541,798.

4. RECOMMENDATION

Concur with the preliminary monthly financial report by consent

5. FUNDING SOURCE

N/A

6. TIMELINE

Immediate consideration

7. OTHER OPTIONS (In order of preference)
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N/A

8. ATTACHMENTS

2a. [Monthly Financial Report for March 2020:](#)

- **Attachment A:** Preliminary summaries of the total amounts of revenues and expenditures year-to-date.
- **Attachment B:** Preliminary financial summaries for the governmental and proprietary funds. This shows annual budgeted amounts and the year-to-date figures for each fund by the major revenues and expenditures categories.
- **Attachment C:** Checks issued during the month.
- **Attachment D:** Balance sheets for each of the governmental and proprietary funds.
- **Attachment E:** Sales Tax Tracking Report.
- **Attachment F:** Current Monthly Investment Report Issued by Patterson & Associates.



Monthly Finance Report as of :
March 2020

City of Taylor
400 Porter Street
Taylor, TX 76574

Attachment A

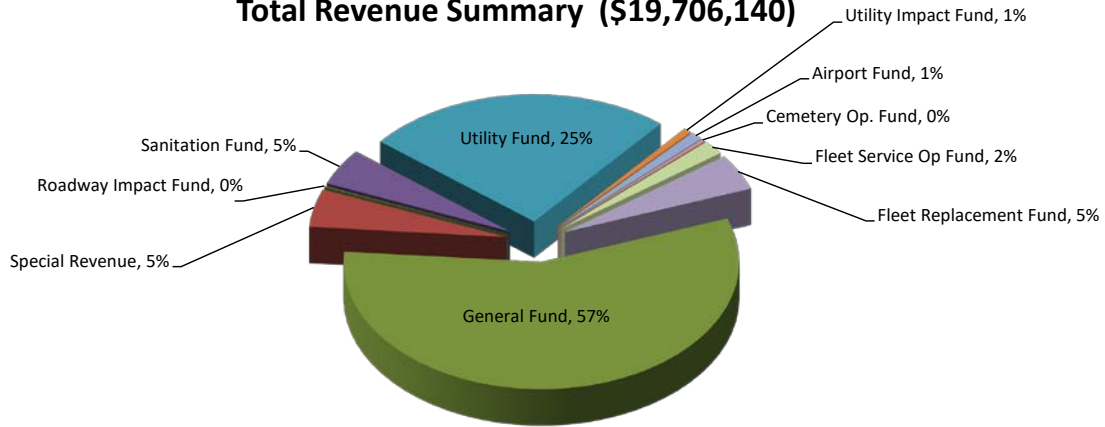
Financial Summary

Summary Revenue/Expenditures
Preliminary Year-to-Date as of March 31, 2020

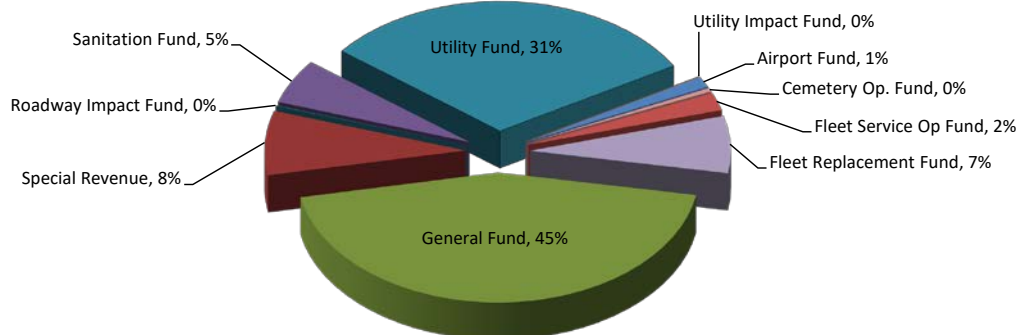
	Revenue			Expenditures			Surplus/Deficit
	Annual Budget	Actual Y-T-D	% of Budget	Annual Budget	Actual Y-T-D	% of Budget	
General Fund	\$ 14,830,304	\$ 11,201,241	76%	\$ 14,911,604	\$ 7,359,415	49%	\$ 3,841,825
Special Revenues							
- Tax Increment Fund (TIF)	\$ 274,348	\$ 170,916	62%	\$ 374,500	\$ 362,318	97%	(191,401)
- Hotel/Motel Tax*	\$ 70,000	\$ 36,202	52%	\$ 70,000	\$ 27,960	40%	8,242
- Main St. Revenue	\$ 53,600	\$ 49,779	93%	\$ 47,500	\$ 49,569	104%	210
- Municipal Court Sec/Tech	\$ 20,464	\$ 9,065	44%	\$ 38,553	\$ 4,937	13%	4,128
- Library Grants/Donations	\$ 5,650	\$ 2,164	38%	\$ -	\$ 5,811	0%	(3,648)
- Transportation Fund (TUF)	\$ 796,198	\$ 430,103	54%	\$ 783,442	\$ 599,722	77%	(169,619)
- MDUS	\$ 500,760	\$ 248,029	50%	\$ 461,227	\$ 244,080	53%	3,950
Special Revenue Total	\$ 1,721,020	\$ 946,259	55%	\$ 1,775,222	\$ 1,294,397	73%	(348,138)
Enterprise Funds							
- Sanitation Fund	\$ 1,800,000	\$ 915,862	51%	\$ 1,768,700	\$ 900,125	51%	15,737
- Utility Fund	\$ 9,860,700	\$ 4,975,548	50%	\$ 9,752,944	\$ 5,020,957	51%	(45,409)
- Airport Fund	\$ 429,500	\$ 206,419	48%	\$ 427,328	\$ 221,770	52%	(15,352)
- Cemetery Op. Fund	\$ 212,300	\$ 56,966	27%	\$ 212,167	\$ 76,853	36%	(19,888)
Roadway Impact Fund	\$ 36,480	\$ 14,964	41%	\$ 30,000	\$ 8,910	30%	\$ 6,054
Utility Impact Fund	\$ 205,000	\$ 132,000	64%	\$ 125,000	\$ -	0%	\$ 132,000
Fleet Service Operating Fund	\$ 694,668	\$ 353,365	51%	\$ 694,668	\$ 357,439	51%	(4,074)
Fleet Replacement Fund	\$ 1,298,003	\$ 903,517	70%	\$ 1,298,003	\$ 1,148,828	89%	(245,311)
Total	\$ 32,384,933	\$ 19,706,140	61%	\$ 32,240,305	\$ 16,388,695	51%	\$ 3,151,775

*Net of 380 Agreement

Total Revenue Summary (\$19,706,140)



Total Expenditure Summary (\$16,388,696)



Attachment B

Financial Statements by Fund

General Fund

Tax Increment Financing Fund

Hotel Occupancy Tax Fund

Main Street Fund

Municipal Court Special Fee Fund

Library Grant/Donations Fund

Roadway Impact Fee Fund

Transportation User Fee Fund

Municipal Drainage Utility System Fund

Sanitation Fund

Public Utilities Fund

Utility Impact Fund

Airport Fund

Cemetery Operating Fund

Fleet Services Operating Fund

Fleet Replacement Fund

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

100-GENERAL FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
310-TAXES		11,559,963.00	275,393.84	9,263,994.21	80.14	0.00	2,295,968.79
320-PERMITS AND LICENSES		333,308.00	32,649.60	468,694.03	140.62	0.00	(135,386.03)
330-INTERGOVERNMENTAL REV		126,148.00	0.00	66,547.33	52.75	0.00	59,600.67
340-CHARGES FOR SERVICES		291,840.00	13,451.13	112,395.86	38.51	0.00	179,444.14
410-FINES AND FORFEITURES		304,400.00	31,470.08	129,006.25	42.38	0.00	175,393.75
420-ASSESSMENTS		10,500.00	40.97	1,895.69	18.05	0.00	8,604.31
430-USE OF MONEY AND PROP		235,945.00	27,787.15	129,027.55	54.69	0.00	106,917.45
440-DONATIONS FROM PRIVAT		9,000.00	(6,530.60)	17,079.38	189.77	0.00	(8,079.38)
450-INTERFUND OPERATING T		1,959,200.00	522,800.57	1,012,600.57	51.68	0.00	946,599.43
460-PROCEEDS GEN FIXED AS		0.00	0.00	0.00	0.00	0.00	0.00
470-PROCEEDS GEN LONG TER		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
*** TOTAL REVENUES ***		14,830,304.00	897,062.74	11,201,240.87	75.53	0.00	3,629,063.13
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
500-CITY COUNCIL		164,688.00	8,608.39	89,436.58	54.31	0.00	75,251.42
501-CITY MANAGEMENT		672,574.00	51,869.07	375,369.12	55.81	0.00	297,204.88
503-PUBLIC INFORMATION		170,963.00	13,782.50	103,573.45	60.58	0.00	67,389.55
504-HUMAN RESOURCES		241,256.00	24,437.86	132,350.83	54.86	0.00	108,905.17
512-FINANCIAL SERVICES		582,467.00	38,883.02	300,215.13	51.54	0.00	282,251.87
516-MUNICIPAL COURT		407,379.00	30,285.65	187,552.90	46.55	2,080.00	217,746.10
522-DEVELOPMENT SERVICES		1,043,847.00	99,165.08	490,954.87	55.21	85,390.00	467,502.13
524-MAIN STREET PROGRAM		113,681.00	7,635.79	39,732.44	34.95	0.00	73,948.56
527-MOODY MUSEUM		7,952.00	455.30	2,078.59	26.14	0.00	5,873.41
532-PUBLIC LIBRARY		546,938.00	37,344.89	251,777.04	49.97	21,539.33	273,621.63
542-FIRE SUPPRESSION/EMER		2,617,355.00	184,071.68	1,177,220.48	45.98	26,228.76	1,413,905.76
552-POLICE FIELD SERVICES		3,950,422.00	313,652.65	1,911,294.14	48.45	2,732.85	2,036,395.01
558-ANIMAL CONTROL SECTIO		224,561.00	13,272.49	88,808.24	39.55	0.00	135,752.76
563-STREET & GROUND MAIN		1,674,223.00	110,382.48	802,899.57	48.38	7,050.42	864,273.01
565-PARKS & RECREATION		1,023,713.00	65,755.67	546,751.96	60.03	67,805.50	409,155.54
566-INTERNAL SVCS/BLDG		501,225.00	36,730.28	223,920.09	45.50	4,160.13	273,144.78
573-ENGINEERING & INSPECT		150,750.00	13,310.63	72,422.87	48.04	0.00	78,327.13
575-INTERNAL SVC/IT DEPT		218,882.00	17,112.27	104,259.80	47.63	0.00	114,622.20
592-NON-DEPARTMENTAL		<u>598,728.00</u>	<u>39,950.32</u>	<u>241,810.35</u>	<u>40.39</u>	<u>0.00</u>	<u>356,917.65</u>
*** TOTAL EXPENDITURES ***		14,911,604.00	1,106,706.02	7,142,428.45	49.35	216,986.99	7,552,188.56
		=====	=====	=====	=====	=====	=====
*** TOTAL PROFIT / (LOSS) ***		(81,300.00)	(209,643.28)	4,058,812.42	725.49-	(216,986.99)	(3,923,125.43)
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

119-TIF (TAX INCREMENT FUND)
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
310-TAXES		168,348.00	165,524.91	165,524.91	98.32	0.00	2,823.09
330-INTERGOVERNMENTAL REV		98,000.00	0.00	0.00	0.00	0.00	98,000.00
430-USE OF MONEY AND PROP		<u>8,000.00</u>	<u>592.05</u>	<u>5,391.36</u>	<u>67.39</u>	<u>0.00</u>	<u>2,608.64</u>
*** TOTAL REVENUES ***		274,348.00	166,116.96	170,916.27	62.30	0.00	103,431.73
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
520-TIF EXPENSES		<u>374,500.00</u>	<u>141,594.56</u>	<u>362,317.53</u>	<u>96.75</u>	<u>0.00</u>	<u>12,182.47</u>
*** TOTAL EXPENDITURES ***		374,500.00	141,594.56	362,317.53	96.75	0.00	12,182.47
		=====	=====	=====	=====	=====	=====
*** TOTAL PROFIT / (LOSS) ***		(100,152.00)	24,522.40	(191,401.26)	191.11	0.00	91,249.26
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

120-HOTEL/MOTEL FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
310-TAXES		70,000.00	15,301.74	101,025.15	144.32	0.00	(31,025.15)
420-ASSESSMENTS		0.00	0.00	0.00	0.00	0.00	0.00
430-USE OF MONEY AND PROP		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
*** TOTAL REVENUES ***		70,000.00	15,301.74	101,025.15	144.32	0.00	(31,025.15)
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
612-HOTEL/MOTEL TAX		<u>70,000.00</u>	<u>1,250.00</u>	<u>66,157.87</u>	<u>94.51</u>	<u>0.00</u>	<u>3,842.13</u>
*** TOTAL EXPENDITURES ***		70,000.00	1,250.00	66,157.87	94.51	0.00	3,842.13
		=====	=====	=====	=====	=====	=====
*** TOTAL PROFIT / (LOSS) ***		0.00	14,051.74	34,867.28	0.00	0.00	(34,867.28)
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

123-MAIN STREET REVENUE FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
330-	INTERGOVERNMENTAL REV	0.00	0.00	0.00	0.00	0.00	0.00
430-	USE OF MONEY AND PROP	0.00	0.00	0.00	0.00	0.00	0.00
440-	DONATIONS FROM PRIVAT	24,000.00	(1,550.00)	34,979.30	145.75	0.00	(10,979.30)
450-	INTERFUND OPERATING T	<u>29,600.00</u>	<u>7,400.00</u>	<u>14,800.00</u>	<u>50.00</u>	<u>0.00</u>	<u>14,800.00</u>
***	TOTAL REVENUES ***	53,600.00	5,850.00	49,779.30	92.87	0.00	3,820.70
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
615-	CONTRIBUTE TO CIVIC P	<u>47,500.00</u>	<u>12,899.00</u>	<u>49,569.49</u>	<u>104.36</u>	<u>0.00</u>	<u>(2,069.49)</u>
***	TOTAL EXPENDITURES ***	47,500.00	12,899.00	49,569.49	104.36	0.00	(2,069.49)
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	6,100.00	(7,049.00)	209.81	3.44	0.00	5,890.19
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

125-MUNICIPAL CRT SPECIAL FEE
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
410-FINES AND FORFEITURES		20,464.00	2,225.97	9,065.05	44.30	0.00	11,398.95
450-INTERFUND OPERATING T		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
*** TOTAL REVENUES ***		20,464.00	2,225.97	9,065.05	44.30	0.00	11,398.95
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
625-MUNICIPAL COURT BLDG		10,082.00	0.00	2,784.99	27.62	0.00	7,297.01
626-MUNICIPAL CRT TECHNO		28,471.00	(99.99)	2,152.49	7.56	0.00	26,318.51
627-MUN COURT JUDICIAL		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
*** TOTAL EXPENDITURES ***		38,553.00	(99.99)	4,937.48	12.81	0.00	33,615.52
		=====	=====	=====	=====	=====	=====
*** TOTAL PROFIT / (LOSS) ***		(18,089.00)	2,325.96	4,127.57	22.82-	0.00	(22,216.57)
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

129-LIBRARY GRANT/DONATION
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
330-	INTERGOVERNMENTAL REV	1,150.00	0.00	0.00	0.00	0.00	1,150.00
430-	USE OF MONEY AND PROP	4,500.00	229.41	2,151.90	47.82	0.00	2,348.10
440-	DONATIONS FROM PRIVAT	<u>0.00</u>	<u>0.00</u>	<u>12.00</u>	<u>0.00</u>	<u>0.00</u>	<u>(12.00)</u>
***	TOTAL REVENUES ***	5,650.00	229.41	2,163.90	38.30	0.00	3,486.10
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
624-	LIBRARY	<u>0.00</u>	<u>1,500.00</u>	<u>5,811.40</u>	<u>0.00</u>	<u>0.00</u>	<u>(5,811.40)</u>
***	TOTAL EXPENDITURES ***	0.00	1,500.00	5,811.40	0.00	0.00	(5,811.40)
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	5,650.00	(1,270.59)	(3,647.50)	64.56-	0.00	9,297.50
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

200-ROADWAY IMPACT FEE FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
420-ASSESSMENTS		<u>36,480.00</u>	<u>798.00</u>	<u>14,964.00</u>	<u>41.02</u>	<u>0.00</u>	<u>21,516.00</u>
***	TOTAL REVENUES ***	36,480.00	798.00	14,964.00	41.02	0.00	21,516.00
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
631-ROADWAY IMPACT FEE		<u>30,000.00</u>	<u>0.00</u>	<u>8,910.00</u>	<u>129.70</u>	<u>30,000.00</u>	<u>(8,910.00)</u>
***	TOTAL EXPENDITURES ***	30,000.00	0.00	8,910.00	129.70	30,000.00	(8,910.00)
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	6,480.00	798.00	6,054.00	369.54-	(30,000.00)	30,426.00
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

210-TRANSPORTATION FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
340-	CHARGES FOR SERVICES	793,698.00	66,570.66	398,154.89	50.16	0.00	395,543.11
430-	USE OF MONEY AND PROP	2,500.00	3,100.08	31,948.19	277.93	0.00	(29,448.19)
470-	PROCEEDS GEN LONG TER	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
***	TOTAL REVENUES ***	796,198.00	69,670.74	430,103.08	54.02	0.00	366,094.92
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
632-	TRANSPORTATION	<u>783,442.04</u>	<u>59,050.43</u>	<u>599,722.04</u>	<u>76.55</u>	<u>0.00</u>	<u>183,720.00</u>
***	TOTAL EXPENDITURES ***	783,442.04	59,050.43	599,722.04	76.55	0.00	183,720.00
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	12,755.96	10,620.31	(169,618.96)	329.72-	0.00	182,374.92
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

300-MUNICIPAL DRAINAGE UTILIT
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
330-	INTERGOVERNMENTAL REV	0.00	0.00	0.00	0.00	0.00	0.00
340-	CHARGES FOR SERVICES	500,760.00	41,237.28	248,029.39	49.53	0.00	252,730.61
430-	USE OF MONEY AND PROP	0.00	0.00	0.00	0.00	0.00	0.00
460-	PROCEEDS GEN FIXED AS	0.00	0.00	0.00	0.00	0.00	0.00
470-	PROCEEDS GEN LONG TER	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
***	TOTAL REVENUES ***	500,760.00	41,237.28	248,029.39	49.53	0.00	252,730.61
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
750-	MUNICIPAL DRAINAGE	<u>464,226.88</u>	<u>127,475.11</u>	<u>244,079.54</u>	<u>55.75</u>	<u>14,732.11</u>	<u>205,415.23</u>
***	TOTAL EXPENDITURES ***	464,226.88	127,475.11	244,079.54	55.75	14,732.11	205,415.23
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	36,533.12	(86,237.83)	3,949.85	29.51-	(14,732.11)	47,315.38
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

320-SANITATION FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
310-TAXES		250,000.00	13,472.76	99,222.50	39.69	0.00	150,777.50
340-CHARGES FOR SERVICES		<u>1,550,000.00</u>	<u>136,831.61</u>	<u>816,639.28</u>	<u>52.69</u>	<u>0.00</u>	<u>733,360.72</u>
*** TOTAL REVENUES ***		1,800,000.00	150,304.37	915,861.78	50.88	0.00	884,138.22
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
721-SANITATION/GARBAGE		<u>1,768,700.00</u>	<u>179,698.03</u>	<u>900,124.85</u>	<u>50.89</u>	<u>0.00</u>	<u>868,575.15</u>
*** TOTAL EXPENDITURES ***		1,768,700.00	179,698.03	900,124.85	50.89	0.00	868,575.15
		=====	=====	=====	=====	=====	=====
*** TOTAL PROFIT / (LOSS) ***		31,300.00	(29,393.66)	15,736.93	50.28	0.00	15,563.07
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

340-PUBLIC UTILITIES FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
320-PERMITS AND LICENSES		1,200.00	0.00	475.00	39.58	0.00	725.00
330-INTERGOVERNMENTAL REV		0.00	0.00	0.00	0.00	0.00	0.00
340-CHARGES FOR SERVICES		9,683,000.00	751,255.89	4,823,557.75	49.81	0.00	4,859,442.25
420-ASSESSMENTS		52,000.00	2,672.25	38,540.37	74.12	0.00	13,459.63
430-USE OF MONEY AND PROP		123,500.00	8,291.49	112,000.00	90.69	0.00	11,500.00
450-INTERFUND OPERATING T		0.00	0.00	0.00	0.00	0.00	0.00
460-PROCEEDS GEN FIXED AS		1,000.00	160.42	974.86	97.49	0.00	25.14
470-PROCEEDS GEN LONG TER		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
*** TOTAL REVENUES ***		9,860,700.00	762,380.05	4,975,547.98	50.46	0.00	4,885,152.02
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
701-UTILITIES ADMINISTRAT		480,633.00	44,753.51	241,462.82	50.41	814.16	238,356.02
706-WASTEWATER TREATMENT		673,543.00	38,790.51	292,812.74	44.27	5,360.00	375,370.26
708-UTILITY DISTRIBUTION/		1,670,098.00	114,309.35	991,053.80	59.49	2,486.58	676,557.62
709-UTILITIES NON-DEPARTM		<u>6,928,669.97</u>	<u>1,259,337.47</u>	<u>3,495,627.61</u>	<u>50.45</u>	<u>0.00</u>	<u>3,433,042.36</u>
*** TOTAL EXPENDITURES ***		9,752,943.97	1,457,190.84	5,020,956.97	51.57	8,660.74	4,723,326.26
		=====	=====	=====	=====	=====	=====
*** TOTAL PROFIT / (LOSS) ***		107,756.03	(694,810.79)	(45,408.99)	50.18-	(8,660.74)	161,825.76
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

345-UTILITY IMPACT FEE FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
340-	CHARGES FOR SERVICES	<u>205,000.00</u>	<u>10,500.00</u>	<u>132,000.00</u>	<u>64.39</u>	<u>0.00</u>	<u>73,000.00</u>
***	TOTAL REVENUES ***	205,000.00	10,500.00	132,000.00	64.39	0.00	73,000.00
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
592-	NON-DEPARTMENTAL	<u>125,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00</u>	<u>125,000.00</u>	<u>0.00</u>
***	TOTAL EXPENDITURES ***	125,000.00	0.00	0.00	100.00	125,000.00	0.00
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	80,000.00	10,500.00	132,000.00	8.75	(125,000.00)	73,000.00
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

350-AIRPORT FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
330-	INTERGOVERNMENTAL REV	4,000.00	0.00	0.00	0.00	0.00	4,000.00
340-	CHARGES FOR SERVICES	410,500.00	27,553.38	198,452.82	48.34	0.00	212,047.18
420-	ASSESSMENTS	0.00	0.00	0.00	0.00	0.00	0.00
430-	USE OF MONEY AND PROP	15,000.00	845.99	7,965.78	53.11	0.00	7,034.22
440-	DONATIONS FROM PRIVAT	0.00	0.00	0.00	0.00	0.00	0.00
450-	INTERFUND OPERATING T	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
***	TOTAL REVENUES ***	429,500.00	28,399.37	206,418.60	48.06	0.00	223,081.40
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
732-	AIRPORT OPERATIONS DE	<u>427,328.00</u>	<u>52,772.68</u>	<u>221,770.36</u>	<u>51.90</u>	<u>0.00</u>	<u>205,557.64</u>
***	TOTAL EXPENDITURES ***	427,328.00	52,772.68	221,770.36	51.90	0.00	205,557.64
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	2,172.00	(24,373.31)	(15,351.76)	706.80-	0.00	17,523.76
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

370-CEMETERY OPERATING FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
330-	INTERGOVERNMENTAL REV	0.00	0.00	0.00	0.00	0.00	0.00
340-	CHARGES FOR SERVICES	107,000.00	12,639.00	28,358.00	26.50	0.00	78,642.00
430-	USE OF MONEY AND PROP	4,300.00	125.00	520.00	12.09	0.00	3,780.00
440-	DONATIONS FROM PRIVAT	0.00	0.00	0.00	0.00	0.00	0.00
450-	INTERFUND OPERATING T	15,000.00	335.27	5,770.55	38.47	0.00	9,229.45
460-	PROCEEDS GEN FIXED AS	<u>86,000.00</u>	<u>7,825.50</u>	<u>22,317.30</u>	<u>25.95</u>	<u>0.00</u>	<u>63,682.70</u>
***	TOTAL REVENUES ***	212,300.00	20,924.77	56,965.85	26.83	0.00	155,334.15
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
761-	CEMETERY OPERATING DE	<u>212,167.00</u>	<u>8,547.34</u>	<u>76,853.44</u>	<u>36.22</u>	<u>0.00</u>	<u>135,313.56</u>
***	TOTAL EXPENDITURES ***	212,167.00	8,547.34	76,853.44	36.22	0.00	135,313.56
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	133.00	12,377.43	(19,887.59)	953.08-	0.00	20,020.59
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

382-FLEET SERVICES OPERATING
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
340-	CHARGES FOR SERVICES	694,668.00	0.00	347,334.00	50.00	0.00	347,334.00
420-	ASSESSMENTS	0.00	2,512.01	6,030.77	0.00	0.00	(6,030.77)
430-	USE OF MONEY AND PROP	0.00	0.00	0.00	0.00	0.00	0.00
450-	INTERFUND OPERATING T	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
***	TOTAL REVENUES ***	694,668.00	2,512.01	353,364.77	50.87	0.00	341,303.23
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
517-	FLEET SERVICES	<u>694,668.00</u>	<u>68,612.92</u>	<u>357,438.55</u>	<u>52.45</u>	<u>6,909.06</u>	<u>330,320.39</u>
***	TOTAL EXPENDITURES ***	694,668.00	68,612.92	357,438.55	52.45	6,909.06	330,320.39
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	0.00	(66,100.91)	(4,073.78)	0.00	(6,909.06)	10,982.84
		=====	=====	=====	=====	=====	=====

C I T Y O F T A Y L O R
FINANCIAL STATEMENT
AS OF: MARCH 31ST, 2020

384-FLEET REPLACEMENT FUND
FINANCIAL SUMMARY

ACCT #	ACCOUNT NAME	ANNUAL BUDGET	CURRENT PERIOD	Y-T-D ACTUAL	% OF BUDGET	Y-T-D ENCUMB.	BUDGET BALANCE
<u>REVENUE SUMMARY</u>							
330	INTERGOVERNMENTAL REV	0.00	0.00	0.00	0.00	0.00	0.00
340	CHARGES FOR SERVICES	538,922.00	0.00	134,730.50	25.00	0.00	404,191.50
420	ASSESSMENTS	0.00	0.00	0.00	0.00	0.00	0.00
430	USE OF MONEY AND PROP	0.00	485.53	8,185.27	0.00	0.00	(8,185.27)
450	INTERFUND OPERATING T	0.00	0.00	0.00	0.00	0.00	0.00
460	PROCEEDS GEN FIXED AS	0.00	0.00	1,520.00	0.00	0.00	(1,520.00)
470	PROCEEDS GEN LONG TER	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
***	TOTAL REVENUES ***	538,922.00	485.53	144,435.77	26.80	0.00	394,486.23
		=====	=====	=====	=====	=====	=====
<u>EXPENDITURE SUMMARY</u>							
518	EQUIPMENT REPLACEMENT	<u>1,298,003.00</u>	<u>12,789.53</u>	<u>1,148,828.03</u>	<u>120.45</u>	<u>414,648.90</u>	<u>(265,473.93)</u>
***	TOTAL EXPENDITURES ***	1,298,003.00	12,789.53	1,148,828.03	120.45	414,648.90	(265,473.93)
		=====	=====	=====	=====	=====	=====
***	TOTAL PROFIT / (LOSS) ***	(759,081.00)	(12,304.00)	(1,004,392.26)	186.94	(414,648.90)	659,960.16
		=====	=====	=====	=====	=====	=====

Attachment C

COUNCIL REPORT

CHECKS POSTED IN MARCH 2020

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
NON-DEPARTMENTAL	GENERAL FUND	AFLAC	AFLAC MARCH 2020 INVOICE	1,844.06
		CLIFFORD, PENNY CHRISTINE c/o TX CHILD	CAUSE # 12-1678-FC4	253.20
			CAUSE # 12-1678-FC4	253.20
		DEE'S BOUTIQUE & FLORIST	TML REGION 10 CENTERPIECES	615.00
		DEBORAH B LANGEHENNING	SHELTON CASE NO. 18-11452	827.54
			SHELTON CASE NO. 18-11452	827.54
		HERRERA, EDITH D %ARIZONA SUPPORT PAYM	VINCENT CLIFFORD CS FOR DE	237.46
			VINCENT CLIFFORD CS FOR DE	237.46
	MISCELLANEOUS	LUNSFORD, COURTNEY BEA	E0012599 -01	50.00
		LUNSFORD, COURTNEY BEA	E0012599F-01	50.00
		LUNSFORD, COURTNEY BEA	E0016052 -01	50.00
		LUNSFORD, COURTNEY BEA	E0016052F-01	50.00
		RUSSELL RODRIGUEZ HYDE	RUSSELL RODRIGUEZ HYDE BUL	2,400.00
		HDR INC	HDR INC:REFUND SPONSOR FEE	2,800.00
		WASTE CONNECTIONS	WASTE CONNECTIONS:REFUND S	2,400.00
		KSA ENGINEERS INC	KSA ENGINEERS INC:REFUND S	800.00
		BRINKLEY SARGENT WIGIN	BRINKLEY SARGENT WIGINTON	600.00
		CITY OF LOCKHART	CITY OF LOCKHART:REFUND FE	50.00
		TEXAS DISPOSAL SYSTEM	TEXAS DISPOSAL SYSTEMS IN	50.00
		TEXAS MUNICIPAL LEAGUE	TEXAS MUNICIPAL LEAGUE:REF	50.00
		LOPEZ, SHUREEM	01-0436 D AVILES CHILD SUP	26.31
			01-0436 D AVILES CHILD SUP	26.31
		McCREARY, VESELKA, BRAGG & ALLEN PC	CC FEES-FEBRUARY 2020	3,846.79
		NATIONWIDE RETIREMENT SOLUTIONS	NATIONWIDE CONTRIBUTIONS	2,203.06
			NATIONWIDE CONTRIBUTIONS	2,053.06
		PRE-PAID LEGAL SERVICES, INC. DBA LEGA	PRE-PAID LEGAL NOV. 2019	225.30
		SHOAF, DA'SHINIQUE SHI'JUAN	STEPHPHONE JONES	128.31
			STEPHPHONE JONES	128.31
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	15,890.30
			HEALTH PREMIUMS	1,171.03
		CITIZENS NATIONAL BANK	FEDERAL WITHHOLDING	34,925.71
			FEDERAL WITHHOLDING	25,946.34
			FICA CONTRIBUTIONS AND MAT	19,076.77
			FICA CONTRIBUTIONS AND MAT	17,498.53
			MEDICARE CONTRIB AND MATCH	4,461.51
			MEDICARE CONTRIB AND MATCH	4,092.39
		TAYLOR ECONOMIC DEV.CORP.	MAR 2020 SALES TAX ALLOCAT	86,951.88
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TEDC TMRS CONT MAR 2020	3,273.53
			TMRS CONTRIBUTIONS	22,164.45
			TMRS CONTRIBUTIONS	20,318.79
		UNITED WAY OF WILLIAMSON COUNTY	UNITED WAY CONTRIBUTIONS	70.00
			UNITED WAY CONTRIBUTIONS	70.00
		UNUM LIFE INS CO OF AMERI	UNUM LIFE INS. PAYABLE	759.02
		TAYLOR PROFESSIONAL FIREFIGHTER ASSOCI	ACCT #2091015 TAYLOR FF AS	613.00
		KIRK, SARA DENISE	01-0282 SHANE NEWELL CHILD	138.46
			01-0282 SHANE NEWELL CHILD	138.46
		LOPEZ, NANCY C/O TX CHILD SUPPORT SDU	D1FM10000631	227.26
			D1FM10000631	227.26
		ICMA-RC PLAN SPONSOR SERVICES	ICMA-RC CONTRIBUTIONS	1,202.69
			ICMA-RC CONTRIBUTIONS	1,202.69
		SUN LIFE ASSURANCE COMPANY	DENTAL PAYABLE	2,525.10
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	246.28
		CERRITO, LATICIA MARIE	CARLOS OLIVAREZ	184.62
			CARLOS OLIVAREZ	184.62
TOTAL:				286,643.60

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
CITY COUNCIL	GENERAL FUND	THESTAMPMAKER.COM	MAYOR SIGNATURE STAMP	29.65
		VERIZON WIRELESS	CELL PHONE	168.00
		WAL-MART COMMUNITY/GEMB	WORKSHOP SNACKS	<u>128.29</u>
			TOTAL:	325.94
CITY MANAGEMENT	GENERAL FUND	LINCOLN	LTD 2020 INV.	90.45
		MARIACHIS DE JALISCO #3	AGENDA UPDATE W/MAYOR, GAR	28.80
		PLOWMAN'S KITCHEN	LUNCH W/TIA STONE	30.44
			CAMPO MTG ASHBY, JOHNSON,	46.43
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	3,941.96
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	1,101.00
			FICA CONTRIBUTIONS AND MAT	1,035.49
			MEDICARE CONTRIB AND MATCH	257.49
			MEDICARE CONTRIB AND MATCH	242.17
		TAYLOR CHAMBER OF COMMERCE	CHAMBER LUNCHEON MAYOR RYD	15.00
		2ND STREET FARM MARKET	DIRECTOR'S STRATEGIC PLANN	260.66
		TX TAG	TX TAG	14.88
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	2,361.94
			TMRS CONTRIBUTIONS	2,225.43
		2ND ST. FARM 2 MARKET DELI	DIRECTOR'S STRATEGY MTG	183.37
		THOMSON REUTERS-WEST	LGC BOOK	100.00
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	87.54
		VERIZON WIRELESS	CELL PHONE	168.00
		WAL-MART COMMUNITY/GEMB	LEAD TAYLOR	63.82
			DIRECTOR'S STRATEGY MTG	23.92
			LEAD TAYLOR	36.65
		TEXAS MUNICIPAL CLERKS ASSOCIATION, IN	RECERTIFICATION TMCCP	50.00
		AMAZON.COM	BARCO SYSTEM FOR CM OFFICE	1,305.00
		EL CORRAL LOZANO	AGENDA UPDATE W/MAYOR RYDE	20.38
			AGENDA UPDATE W/MAYOR RYDE	20.38
		NEW YORK PIZZA & PASTA	FEB LEAD TAYLOR LUNCH	309.65
		DAVIS GROCERY & BBQ	WC REALTORS TOUR	1,950.00
		LOUIE MUELLER BARBECUE	KOCH LUNCH W/MAYOR RYDELL	200.52
		DAHILL DBA: XEROX BUSINESS SOLUTIONS S	EQUIPMENT	55.28
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	164.63
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	23.36
		COMMUNITY COFFEE COMPANY LLC	Coffee	<u>38.94</u>
			TOTAL:	16,453.58
PUBLIC INFORMATION	GENERAL FUND	BANNERS ON THE CHEAP	COT FLAGS	377.10
			TAX REFUND	28.74-
		CIVIC PLUS	WEBSITE REDESIGN CUSTOM BA	1,578.00
		LINCOLN	LTD 2020 INV.	13.16
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	615.11
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	125.90
			FICA CONTRIBUTIONS AND MAT	125.90
			MEDICARE CONTRIB AND MATCH	29.44
			MEDICARE CONTRIB AND MATCH	29.44
		SIGNSONTHECHEAP.COM	EVENT SIGNS	86.38
			TAX REFUND	6.58-
		STICKERSBANNERS.COM	COT BANNERS	140.18
		TAYLOR CHAMBER OF COMMERCE	CHAMBER LUNCHEON MAYOR RYD	15.00
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	262.35
			TMRS CONTRIBUTIONS	262.35
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	11.29
		VERIZON WIRELESS	CELL PHONE	84.00

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		OSBORNE, STACEY FORD	PIO SVCES MARCH 2020	5,720.00
		VISTA PRINT	BUSINESS CARDS -J. RESENDE	44.99
			ENVELOPES	171.49
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	25.85
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	3.96
		COMMUNITY COFFEE COMPANY LLC	Coffee	<u>38.94</u>
			TOTAL:	9,725.51
HUMAN RESOURCES	GENERAL FUND	TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 HR	0.33
		DPS GEN SERVICES BUREAU	JAN SCREENING BACKGROUND C	3.00
		FRONT LINE MOBILE HEALTH, LLC	PRE-EMP FIRE PHYSICAL/WILL	1,625.00
		LINCOLN	LTD 2020 INV.	30.50
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	615.11
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	283.69
			FICA CONTRIBUTIONS AND MAT	283.69
			MEDICARE CONTRIB AND MATCH	66.35
			MEDICARE CONTRIB AND MATCH	66.35
		TAYLOR CHAMBER OF COMMERCE	CHAMBER LUNCHEON MAYOR RYD	15.00
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	614.23
			TMRS CONTRIBUTIONS	614.23
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	26.20
		VERIZON WIRELESS	CELL PHONE	42.00
		COMPLIANCE ASSOCIATES MANAGEMENT, LP	RANDOM/JEFFREY SCHUTZ	30.00
			RANDOM/JEFFREY SCHUTZ	68.00
			RANDOM/FRANCISCO FLORES	50.00
			PRE-EMPLOYMENT/CARLOS PERE	55.00
			PRE-EMPLOYMENT/LOGAN WILLE	50.00
			PRE-EMPLOYMENT/JESUS DE HO	55.00
		WORKERS ASSISTANCE PROGRAM, INC.	FEB. 2020 EAP SERVICES	276.12
		HOWARD BRUCE URE	CORPORAL EXAMS	1,500.00
			SERGEANT EXAM	1,500.00
		DAHILL DBA: XEROX BUSINESS SOLUTIONS S	EQUIPMENT	55.28
		BAYLOR SCOTT & WHITE HEALTH	PRE-EMP PHYS. DEHOYOS	80.00
		WAGE WORKS, INC. DBA CONEXIS	FEB. 2020 COBRA SERVICES	25.00
		BRANDY MILLER PHD PC DBA:	PSYCH / WILLENBORG	250.00
			PSYCH / DE HOYOS	250.00
			NO SHOW CHRGE / C. PEREZ	50.00
		ROSS GANNAWAY, PLLC	LEGAL SVCS MARCH 2020	825.00
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	51.70
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	7.92
		COMMUNITY COFFEE COMPANY LLC	Coffee	<u>38.94</u>
			TOTAL:	9,503.64
FINANCIAL SERVICES	GENERAL FUND	GFOA	GFOA BUDGET AWARD SUBMISSI	345.00
		LINCOLN	LTD 2020 INV.	75.72
		OFFICE DEPOT CORPORATION	FILE CABINET	135.99
			L-SHAPE DESK	255.99
			59" MANAGERS DESK	223.99
			58"HUTCH	159.99
			(2) BOOKCASES	257.50
			(2)IMPORT SURCHARGE	11.36
			PRINTER STAND	143.99
			DELIVERY FEE	69.99
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	2,460.44
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	694.03
			FICA CONTRIBUTIONS AND MAT	752.56

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			MEDICARE CONTRIB AND MATCH	162.32
			MEDICARE CONTRIB AND MATCH	176.01
		TAYLOR CHAMBER OF COMMERCE	CHAMBER LUNCH MAYOR RYDELL	15.00
			CHAMBER LUNCHEON MAYOR RYD	15.00
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	1,513.43
			TMRS CONTRIBUTIONS	1,635.40
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	64.77
		VERIZON WIRELESS	CELL PHONE	42.00
		BROOKSWATSON & CO., PLLC	AUDIT SERVICES FYE 9/30/20	3,000.00
		DAHILL DBA: XEROX BUSINESS SOLUTIONS S	EQUIPMENT	55.28
			XPHASER 4622	46.95
		THRYV, INC.	YELLOW PAGES AD	15.00
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	129.25
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	19.80
		PATTERSON CAPITAL MANAGEMENT DBA PATTE	INVESTMENT SERVICES MARCH	2,000.00
		COMMUNITY COFFEE COMPANY LLC	Coffee	38.94
			TOTAL:	14,515.70
MUNICIPAL COURT	GENERAL FUND	ADT SECURITY SERVICES INC	ALARM SYSTEM-109 W. ST ST	203.04
		A TO Z COPIERS & PRINTERS	REPAIR HP LASERJET	165.00
		BRINKS, INC.	FEBRUARY BRINKS	736.52
			SECURITY DEPOSIT BAGS	59.29
		CIMPRESS USA INCORPORATED DBA: NATIONA	PENS	106.02
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 MUNICIPAL CO	8.79
		TYLER TECHNOLOGIES, INC	COURT ONLINE	100.00
		LEYLA YATIM-ALIN DBA: WESTLAKE TRANSLA	COURT INTERPRETER E0022739	306.04
		LINCOLN	LTD 2020 INV.	42.92
		PRECISION ROLLER	REPLACE TRANSFER BELT	399.95
			CARTRIDGE & COLLECTION UNI	188.75
		STAPLES, INC. DBA: QUILL LLC	COPY PAPER	172.92
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	82.29
		ROJAS TACOS	WARRANT ROUND UP 2	32.23
			WARRANT ROUND UP	85.25
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	2,460.44
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	493.97
			FICA CONTRIBUTIONS AND MAT	523.45
			MEDICARE CONTRIB AND MATCH	115.54
			MEDICARE CONTRIB AND MATCH	122.43
		SQUIRTS BURGERS AND MORE	WARRANT ROUND UP 2	46.29
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	851.82
			TMRS CONTRIBUTIONS	913.26
		TRANSUNION RISK AND ALTERNATIVE DATA S	TLO LOCATOR FEB 2020	177.10
		ATMOS ENERGY	NATURAL GAS - 109 W 5TH ST	70.49
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	33.35
		VERIZON WIRELESS	CELL PHONE	42.00
			IPAD	60.00
		WAL-MART COMMUNITY/GEMB	FOIL	0.98
		WALTON, ESTHER	REGIONAL CLERKS SEMINAR	194.00
		TEXAS MUNICIPAL CLERKS ASSOCIATION, IN	CLERK SEMINAR	100.00
			CLERK SEMINAR	100.00
		TEXAS MUNICIPAL COURTS EDUCATION CENTE	REGIONAL CLERKS SEMINAR	100.00
			REGIONAL CLERKS SEMINAR	100.00
			REGIONAL CLERK SEMINAR	100.00
			REGIONAL CLERK SEMINAR	100.00
			CLASS C BOOKS	40.00
		CONSTABLE MARTY RUBLE	WARRANT SERVED-M. DAVILA	50.00

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		WILLIS, KERESA	REGIONAL CLERKS SEMINAR	166.00
		DAHILL DBA: XEROX BUSINESS SOLUTIONS S	CONTRACT BASE	255.00
			CONTRACT OVERAGE	151.12
		QUADIENT LEASING USA, INC.	INK CARTRIDGE POSTAGE MACH	190.00
			MC POSTAGE LEASE	52.55
		CINTAS CORP DBA FIRST AID & SAFETY	TMC MEDICAL SUPPLIES-109 W	45.39
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	103.40
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	15.84
		COMMUNITY COFFEE COMPANY LLC	Coffee	<u>38.94</u>
			TOTAL:	10,502.37
DEVELOPMENT SERVICES	GENERAL FUND	DONUT 95	CLEAN UP ON ROYAL	20.03
		ESRI, INC.	ANNUAL GIS SOFTWARE	2,921.75
		HEB CREDIT RECEIVABLES	CLEAN UP ON ROYAL	22.55
		PROGRESSIVE WASTE SOLUTIONS DBA WC OF	DEV SERVICES/109 ROYAL	30.25
		LINCOLN	LTD 2020 INV.	124.29
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	4,305.77
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	1,208.60
			FICA CONTRIBUTIONS AND MAT	1,206.12
			MEDICARE CONTRIB AND MATCH	282.67
			MEDICARE CONTRIB AND MATCH	282.09
		TAYLOR CHAMBER OF COMMERCE	CHAMBER LUNCH T YANTIS	15.00
		TX TAG	TX TAG	13.65
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	2,549.06
			TMRS CONTRIBUTIONS	2,543.90
		TRACTOR SUPPLY COMPANY	EQUIP CODE ENFORCEMENT	9.73
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	108.88
		VERDUNITY, INC. DBA: CULTIVATE COLLABO	COMPREHENSIVE PLAN UPDATE	12,700.00
			COMPREHENSIVE PLAN UPDATE	6,900.00
		VERIZON WIRELESS	CELL PHONE	210.00
			IPADS	60.00
		MCCOY'S BUILDING SUPPLY	CODE ENFORCEMENT SUPPLIES	164.41
		AIRBNB	NAT'L TOWN BUILDERS CONF Y	454.20
		AMAZON.COM	SCREEN PROTECTOR O. LOPEZ	36.99
		DAVIS, ROLIN DBA: JACK RABBIT JUNK REM	701 E 3RD ST-CODE ENFORCE	2,000.00
		HUMPHREYS, JAMES BRENT DBA: MALLARD &	712 WASHBURN MOW&WEEDEATIN	125.00
		DAHILL DBA: XEROX BUSINESS SOLUTIONS S	EQUIPMENT	55.28
		SOUTH CENTRAL PLANNING & DEV. COMMISSI	MPN FEBRUARY 2020	875.00
			MPN MARCH 2020	875.00
		EILEEN MERRIT INC. DBA ATS ENGINEERS,	ATS PLAN REVIEW MARCH 2020	4,692.50
			ATS INSPECTIONS MARCH 2020	14,800.00
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	206.80
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	31.68
		COMMUNITY COFFEE COMPANY LLC	Coffee	<u>38.97</u>
			TOTAL:	59,870.17
MAIN STREET PROGRAM 00	GENERAL FUND	BLACK PEARL OYSTER BAR & GRILL	FILM FRIENDLY TEXAS WORKSH	33.22
		DOUBLETREE	FILM FRIENDLY TEXAS WORKSH	265.80
			FILM FRIENDLY TEXAS WORKSH	19.70
		LINCOLN	LTD2020 INV.	15.50
		PLOWMAN'S KITCHEN	REGIONAL DOWNTOWN PARTNERS	17.53
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	615.11
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	148.33
			FICA CONTRIBUTIONS AND MAT	148.33
			MEDICARE CONTRIB AND MATCH	34.69
			MEDICARE CONTRIB AND MATCH	34.69

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		STICKERSBANNERS.COM	FARMERS MARKET BANNERS	70.09
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	309.09
			TMRS CONTRIBUTIONS	309.09
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	13.21
		VERIZON WIRELESS	CELL PHONE	42.00
		HARRIS, JAN C DAVIS	FILM FRIENDLY TEXAS WORKSH	249.80
		ADOBE SYSTEMS INC	ADOBE	16.23
		GALVESTON PARKING	FILM FRIENDLY TEXAS WORKSH	8.00
		DAHILL DBA: XEROX BUSINESS SOLUTIONS S	EQUIPMENT	55.28
		NATIONAL MAIN STREET CENTER INC.	MAIN ST NOW CONFERENCE	475.00
			MAIN ST NOW CONF CREDIT	160.00-
		FILM FRIENDLY TEXAS	FILM FRIENDLY TEXAS	52.56
		MILLER'S SEAWALL GRILL	FILM FRIENDLY TEXAS WORKSH	24.55
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	25.85
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	3.96
		COMMUNITY COFFEE COMPANY LLC	Coffee	<u>38.94</u>
			TOTAL:	2,866.55
CD-MOODY MUSEUM	GENERAL FUND	ADT SECURITY SERVICES INC	MOODY ALARM SYSTEM	54.11
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	288.86
		ATMOS ENERGY	NATURAL GAS - 114 W 9TH ST	57.17
		AT&T U-VERSE	INTERNET	<u>55.16</u>
			TOTAL:	455.30
PUBLIC LIBRARY	GENERAL FUND	ADT SECURITY SERVICES INC	ALARM SYSTEM-801 VANCE ST	168.57
		AMERICAN LIBRARY ASSOC	MEMBERSHIP G NEEMIDGE	148.00
		BADGE-A-MINIT	BADGE MAKER ACCESSORIES	429.85
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 LIBRARY	4.57
		FUN EXPRESS	CREDIT OFFICE SUPPLIES	10.03-
			OFFICE SUPPLIES	135.38
		INGRAM BOOK COMPANY	Books	50.42
			Books	1,097.00
		LINCOLN	LTD2020 INV.	65.92
		MIDWEST TAPE	DVD SECURITY YELLOW CLIPS	211.98
		OFFICE DEPOT CORPORATION	COMPUTER TONER FOR LIBRARY	943.02
		RECORDED BOOKS, INC.	AUDIO BOOKS	634.60
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	764.80
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	1,845.33
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	622.80
			FICA CONTRIBUTIONS AND MAT	627.61
			MEDICARE CONTRIB AND MATCH	145.65
			MEDICARE CONTRIB AND MATCH	146.78
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	1,304.12
			TMRS CONTRIBUTIONS	1,314.15
		ATMOS ENERGY	NATURAL GAS - 801 VANCE ST	148.11
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	56.88
		VERIZON WIRELESS	CELL PHONE	42.00
		WAL-MART COMMUNITY/GEMB	OFFICE SUPPLIES	101.95
			OFFICE SUPPLIES	19.96
		DEAN THREADGILL DBA:	POSTAGE BADGE MAKER	72.40
		ZAMARRON, LATOYA	REIMB. VALENTINE CARD SUPP	34.62
		AMAZON.COM	COMPUTER SUPPLIES	89.99
			OFFICE SUPPLIES	19.76
			COMPUTER SUPPLIES	71.98
			OFFICE SUPPLIES	11.55
			OFFICE SUPPLIES	8.33

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		AT&T U-VERSE	INTERNET	57.10
		DAHILL DBA: XEROX BUSINESS SOLUTIONS S	PHOTO COPIER MACHINE	4,230.15
		CHARTER COMMUNICATIONS HOLDINGS, LLC D	INTERNET	127.34
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	129.25
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	15.86
			TOTAL:	15,887.75
FIRE DEPARTMENT	GENERAL FUND	ARNOLD OIL COMPANY OF AUSTIN, LP DBA A	SILICONE SPRAY	6.86
		METRO FIRE APPARATUS SPECIALISTS, INC	6 TIC BATTERIES	400.00
			SHELF FOR E2	346.00
		BOUND TREE MEDICAL LLC	MEDICAL SUPPLIES	68.70
		JPMORGAN CHASE BANK NA	95-241170 TAX REFUND	44.24-
			95-241170 TAX REFUND	20.48-
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 FIRE DEPT	3.50
		FED EX	FREIGHT/COURIER	58.01
		GONZALEZ TACOS	OFFICER MEETING	31.93
		G T DISTRIBUTORS, INC	CLASS A PANTS - COPELAND	272.85
			RETURN OF PANTS	263.90-
		GULF COAST PAPER CO. INC.	CLEANING SUPPLIES	44.74
			CLEANING SUPPLIES	28.53
		HEB CREDIT RECEIVABLES	FOOD FOR OPEN HOUSE	33.58
		LINCOLN	LTD 2020 INV.	335.86
			ADJ TIM DAVIS	0.70
			ADJ CODY KRAEMER	1.06
			ADJ BRANDON SANDERS	0.77
		OFFICE DEPOT CORPORATION	OFFICE SUPPLIES	92.70
			STAMPS	12.00
		TOUCH 4WASH	CAR WASH COPELAND	8.00
			CARWASH BAUM	8.00
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	379.78
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	12,917.31
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	3,463.41
			FICA CONTRIBUTIONS AND MAT	4,018.59
			MEDICARE CONTRIB AND MATCH	809.98
			MEDICARE CONTRIB AND MATCH	939.81
		TAYLOR CHAMBER OF COMMERCE	CHAMBER LUNCH CHIEF BAUM	15.00
		TAYLOR SPORTING GOODS	BASEBALL CAPS	765.60
		TEXAS COMMISSION ON FIRE PROTECTION	HAZMAT CERT KRAEMER	87.17
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	7,618.63
			TMRS CONTRIBUTIONS	8,657.89
		TIME WARNER CABLE DBA SPECTRUM	INTERNET	339.91
		ATMOS ENERGY	NATURAL GAS - 200 WASHBURN	153.04
			NATURAL GAS-705 CARLOS PAR	81.85
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	289.09
			ADJ TIM DAVIS	0.64
			ADJ CODY KRAEMER	0.86
			ADJ BRANDON SANDERS	0.64
		VERIZON WIRELESS	CELL	207.35
			AIRCARDS	608.32
		WAL-MART COMMUNITY/GEMB	GARBAGE BAGS FOR E2	9.97
			THUMB DRIVES	14.78
			THUMB DRIVES	26.54
			BATTERIES FOR VOICE AMPS &	178.92
		1ST PLACE AWARDS & GIFTS	EMBROIDERY COPELAND JACKET	16.50
		AUTOZONE #3502	LUBRICANT FOR KNOX BOX	6.99
		BAUM, DANIEL	TFCA EXECUTIVE CONFERENCE	88.67

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			TFCA EXECUTIVE CONFERENCE	105.00
		AMAZON.COM	PROMOTION TEST BOOKS	39.50
			PROMOTION TEST BOOKS	201.56
			PROMOTION TEST BOOKS	246.80
		MUNICIPAL EMERGENCY SERVICES, INC	REFUND OF SHIPPING	28.05-
			TAKE TABS OFF UNIFORM SHIR	118.05
			HOSE TESTER	3,705.00
		AT&T U-VERSE	INTERNET, CABLE	140.49
		SUPER DONUT	SKY WARN TRAINING	19.50
		MAIN STREET INSTALLERS, LLC	DECAL FOR U1	107.72
		TEXAS A&M HOTEL AND CONFERENCE CENTER	TFCA EXEC CONF BAUM	413.22
		PINNACLE PEAK HOLDING CORPORATION DBA	HEAD SET REPAIR	212.95
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	568.70
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	91.08
			TOTAL:	49,063.93
POLICE DEPARTMENT	GENERAL FUND	AT&T	TELEPHONES	375.41
			INTERNET	1,481.60
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 POLICE	24.35
		HEB CREDIT RECEIVABLES	DECHIARA RETIREMENT FOOD	64.93
			RETIREMENT PARTY SUPPLIES	9.95
		PROGRESSIVE WASTE SOLUTIONS DBA WC OF	DUMPSTER FOR EVIDENCE PURG	658.31
		LINCOLN	LTD 2020 INV.	536.58
		LOVING HEART COMMUNITY TRAINING CENTER	CPR CARDS	120.00
		OFFICE DEPOT CORPORATION	VOCA- KLEENEX TISSUE	60.27
			EVIDENCE PURGE/REORGANIZE	88.26
			COFFEE, SHARPIES, FORKS, E	177.27
		PETTY CASH	REIMBURSE PD PETTY CASH	102.00
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	779.49
		SIRCHIE	FINGERPRINT TAPE AND POWDE	292.10
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	23,374.08
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	7,592.99
			FICA CONTRIBUTIONS AND MAT	5,381.03
			MEDICARE CONTRIB AND MATCH	1,775.76
			MEDICARE CONTRIB AND MATCH	1,258.46
		TEXAS POLICE CHIEFS ASSOCIATION FOUNDA	TX LAW RECOGNITION PROGRAM	1,200.00
		TAYLOR CHAMBER OF COMMERCE	CHAMBER LUNCHEON CHIEF FLU	15.00
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRs CONTRIBUTIONS	16,354.62
			TMRs CONTRIBUTIONS	11,745.19
		TIME WARNER CABLE DBA SPECTRUM	INTERNET SERVICE-MARCH 202	343.40
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	460.62
		VERIZON WIRELESS	CELL	577.48
			AIRCARDS	534.08
		WILKES, BETH	B. WILKES SERVICES	420.00
		WMSON COUNTY CHILDREN'S ADVOCACY CENTE	WILCO CAC ADD CONTRIBUTION	3,000.00
		OLLE NETWORK TECH CONSULTANTS DBA ON	MONTHLY IT SUPPORT -MARCH	6,769.84
			WIRELESS ACCESS POINT - PD	250.00
			VOCA- LAPTOP SET UP	125.00
		TEXAS POLICE CHIEFS ASSOCIATION	FLUCK TPCA MEMBERSHIP RENE	342.00
		ITUNES STORE	ICLOUD STORAGE	0.99
		INTERNATIONAL ASSOC. OF CHIEFS OF POLI	CHIEF FLUCK RENEWAL	20.00
			MEMBERSHIP RENEWAL LAGRONE	190.00
			BRANSON MEMBERSHIP	190.00
		AMAZON.COM	REFUND PROJECTOR SCREEN	94.99-
			PROJECTOR	94.99
			FILE FOLDER LABELS	15.04

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			TRAINING SUPPLIES CID, EVI	52.95
			BACKPACKS FOR VOLUNTEERS	166.95
			TONER - PATROL	37.98
			LATEX GLOVES	181.89
			INK FOR MAILING MACHINE	40.70
		EL CORRAL LOZANO	2020 CROSS CHECK HOSTED TP	379.31
		GAYLA ROBISON DBA: GAYLA ROBISON CONSU	PD- EVIDENCE ROOM PURGE	5,750.00
		GALLS PARENT HOLDINGS, LLC.	OFC. NEWELL-2 UNIFORMS SHI	127.10
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	956.45
		FBI-LEEDA INC.	FBI LEEDA MEMBERSHIP LAGRO	50.00
		CIT BANK, N.A DBA AVAYA FINANCIAL SERV	AVAYA SOFTWARE	825.61
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	146.54
			ADD EMP/ONLY/ DECHIARA	3.96
			TERM EMP/SPOUSE/ DECHIARA	<u>7.56-</u>
			TOTAL:	95,417.98
ANIMAL CONTROL	GENERAL FUND	TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 ANIMAL CONTR	4.10
		GRAEF VETERINARY HOSPITAL	VETERINARY SERVICES	1,670.50
		LINCOLN	LTD 2020 INV.	26.69
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	279.29
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	615.11
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	268.71
			FICA CONTRIBUTIONS AND MAT	261.10
			MEDICARE CONTRIB AND MATCH	62.84
			MEDICARE CONTRIB AND MATCH	61.06
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRs CONTRIBUTIONS	560.20
			TMRs CONTRIBUTIONS	544.33
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	23.01
		VERIZON WIRELESS	CELL PHONE	126.00
		WAL-MART COMMUNITY/GEMB	ACO CLEANING SUPPLIES	85.73
			ACO BOOTS	29.76
		AT&T U-VERSE	INTERNET	57.10
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	25.85
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	<u>7.92</u>
			TOTAL:	4,709.30
STREETS & GROUND MAINT GENERAL FUND		ADT SECURITY SERVICES INC	1424 N MAIN/SECUR 4/1-6/30	354.69
		AMERICAN FENCE & SUPPLY CO., INC	4TH STREET/FENCE REPAIR	991.47
		CENTERLINE SUPPLY, INC	ST,GR/100 28" CONES W/DBL	1,750.00
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 STREETS/GROU	4.41
		PROGRESSIVE WASTE SOLUTIONS DBA WC OF	ST,GR/20 YD,40 YD HAULS	1,290.96
			ST,GR/CREDIT FOR INCORRECT	158.92-
		LINCOLN	LTD 2020 INV.	173.37
		MOSS & MOSS INC. #4000	ST,GR/DRIVEWAY PATCH-CONCR	12.57
			ST,GR/DRIVEWAY PATCH-CONCR	12.57
			ST,GR/BIT 131571	3.59
			ST,GR/DRIVEWAY PATCH-CONCR	83.80
			ST,GR/GLOVES 131999	29.97
			ST,GR/GLOVES 131999	12.99
			ST,GR/GLOVES 165626	9.99
			ST,GR/NITR GLOVES,CLEAN 16	48.95
			4TH ST FENCING-POST INSTAL	20.95
			ST,GR/GLOVES 165806	9.99
		PSI SERVICES LLC	A BEALS EXAM	64.00
			A. BEALS EXAM	64.00
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	4,782.58

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	8,611.54
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	1,684.57
			FICA CONTRIBUTIONS AND MAT	1,727.95
			MEDICARE CONTRIB AND MATCH	393.99
			MEDICARE CONTRIB AND MATCH	404.11
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	3,565.42
			TMRS CONTRIBUTIONS	3,655.76
		TIME WARNER CABLE DBA SPECTRUM	INTERNET	223.14
		ATMOS ENERGY	NATURAL GAS-1424 N. MAIN S	245.68
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	149.77
		VERIZON WIRELESS	CELL PHONE	252.00
		MCCOY'S BUILDING SUPPLY	808 W. LAKE DRIVEWAY REPAI	60.75
		ORIENTAL TRADING	TRUCK PETTING ZOO	75.50
		HAYDAY, INC DBA: CTWP	ST,GR/COPIER MAINT AGREEME	124.84
		CTRMA PROCESSING	#573 TOLL FEES	6.38
		CINTAS CORPORATION #86	ST,GR/UNIFORMS 560926	236.79
			ST,GR/UNIFORMS 201015	236.79
			ST, GR UNIFORMS	236.79
			ST,GR/UNIFORMS 4046479419	235.91
		CLOSNER EQUIPMENT CO., INC	OIL POT/HOSE REEL & WAND	602.88
		SAFELANE TRAFFIC SUPPLY, LLC	ST,GR/"SHAW" STREET NAME S	36.00
			ST,GR/STREET NAME SIGNS 13	141.00
			ST,GR/"NO THRU TRUCKS" SIG	78.00
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	387.75
		CIT BANK, N.A DBA AVAYA FINANCIAL SERV	CAMERA SYSTEM	167.59
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	59.40
		COMMUNITY COFFEE COMPANY LLC	1424 N MAIN/COFFEE SERVI	99.00
			TOTAL:	33,261.23
PARKS & RECREATION	GENERAL FUND	AUSTIN TURF & TRACTOR	FINANCE CHARGES	290.72
		BSN SPORTS	P&R/2 SWING DOOR TRASH REC	2,628.62
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 PARKS & REC	0.01
		HALFF ASSOCIATES, INC.	COMMUNITY PRK MASTER PLAN	5,665.71
		HEART OF TEXAS LANDSCAPE & IRRIGATION	HERITAGE/IRRIG REPAIR 8698	90.00
			BB PAV/IRRIGATION REPAIR 8	92.50
		LERMA, THOMAS	B.B. OFFICIAL	66.00
		LINCOLN	LTD 2020 INV.	87.23
		MOBILE MINI, INC	TRPSC/MOBILE LEASE 3/10-4/	102.00
		MOSS & MOSS INC. #5000	TRPSC/HULA HOES 130697	32.38
			MARK PAINT 130697	8.08
			TRPSC/BULBS 131648	5.39
			TRPSC/REGAL BLUE TOOLS 165	22.42
			BB BALLFIELD,PAV/LIGHTS,PA	167.22
		MOODY GARDENS HOTEL	TRAPS CONFERENCE L. FOOS	479.55
			TRAPS CONFERENCE L FOOS	159.85
		PROGRESSIVE COMMERCIAL AQUATICS, INC.	MURPHY PL/VALVE REPAIR 408	285.00
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	2,959.68
			MONTHLY ELECTRIC BILL	833.06
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	4,920.88
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	845.25
			FICA CONTRIBUTIONS AND MAT	871.37
			MEDICARE CONTRIB AND MATCH	197.67
			MEDICARE CONTRIB AND MATCH	203.78
		TAYLOR INDEPENDENT SCHOOL DISTRICT	BASKETBALL 2019/2020/TISD	2,310.00
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	1,847.99
			TMRS CONTRIBUTIONS	1,902.40

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		TRACTOR SUPPLY COMPANY	TRPSC/PUMP 661404	69.99
			TRPSC/SPRAYER TIP & CLEAN	18.98
		ATMOS ENERGY	NATURAL GAS-1418 DAVIS ST	53.63
			NATURAL GAS-1418 DAVIS ST	53.18
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	75.21
		VERIZON WIRELESS	CELL PHONE	210.00
			IPAD	60.00
		WAYNE GING PLUMBING, LLC	MURPHY PAV RR/FAUCET REPAI	245.00
		WILLIAMSON COUNTY & CITIES HEALTH DIST	HERITAGE SPLASHPAD STATE P	150.00
			ROBINSON SPLASHPAD STATE P	50.00
		WASHINGTON, BRYAN	B.B. OFFICIAL	264.00
		ORIENTAL TRADING	TRUCK PETTING ZOO	47.88
		PAREDES, JACOB	NSPF CERTIFIED POOL OPERAT	20.00
		CINTAS CORPORATION #86	TRPSC UNIFORMS 560974	32.60
			TRPSC UNIFORMS 201051	32.60
		VERRANEALT, CODY	C. VERRANEALT/NSPF CPO TR	20.00
		TRI-POINT REFRIGERATION, INC.	TRPSC/3 ICE MACHINE CLEAN	888.56
		CINTAS CORP DBA FIRST AID & SAFETY	TRPSC/MED KIT REFILLS (3)	447.09
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	206.80
		CIT BANK, N.A DBA AVAYA FINANCIAL SERV	CAMERA SYSTEM	167.58
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	31.68
		MOORE, DE'QUINNA' KERRY	YOUTH BB REFEREE	66.00
		COMMUNITY COFFEE COMPANY LLC	TRPSC/COFFEE SERVI	82.40
			TOTAL:	30,367.94
INTERNAL SERVICES/BLDG GENERAL FUND		AT&T	TELEPHONES	375.41
		ADT SECURITY SERVICES INC	SECURITY SYSTEM-400 PORTER	203.04
		BETA TECHNOLOGY, INC	TOWELS	229.07
			TOWELS	206.00
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 CITY HALL FA	0.26
		GULF COAST PAPER CO. INC.	1424 N MAIN/TP,TOWELING182	91.05
			TISSUE & CUPS	282.45
			TOILET PAPER	43.70
		HOME DEPOT CREDIT SERVICES	BATTERY CHARGERS	199.00
			BATTERY CHARGERS	153.00
		KOETTER FIRE PROTECTION OF AUSTIN, LLC	LIBRARY ANN. FIRE ALARM IN	2,410.00
		KRUSE, KELLY D DBA KRUSE ELECTRIC SER	BULBS	59.90
			STATION #2 INSTALL CORD DR	428.35
			HERITAGE SQUARE HAND DRYER	550.00
			LIBRARY INSTALL POWER	830.90
		LINCOLN	LTD 2020 INV.	42.85
		MATERA PAPER CO INC	TOWELS, HANDSOAP, GLOVES	300.89
			SPRAYER	0.70
			GLOVES & SPONGES	81.32
		MOSS & MOSS INC. #6000	POWER STRIP	7.19
			SHIM	2.87
			CITY HALL PLUNGER	12.59
			CEMETERY KEY LEVER	40.29
			P.D. TRAPSTICK	10.78
		MOSS & MOSS INC. #8000	KEYS	17.50
		NANCY RUTH BARRON	PW REPLACED LOCK	139.95
			CEMETERY DUPLICATE KEYS	162.00
			ROBINSON PARK DUP KEY REST	221.00
		OFFICE DEPOT CORPORATION	WASTEBASKETS	21.64
			BATTERIES	24.09
			WIRELESS MOUSE	48.98

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	804.32
		SERVICEMASTER BY GONZALEZ LLC	MARCH JANITORIAL SERVICES	1,300.00
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	2,152.88
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	433.66
			FICA CONTRIBUTIONS AND MAT	426.63
			MEDICARE CONTRIB AND MATCH	101.42
			MEDICARE CONTRIB AND MATCH	99.78
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	930.39
			TMRS CONTRIBUTIONS	915.74
		ATMOS ENERGY	NATURAL GAS - 400 PORTER S	164.33
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	36.64
		VERIZON WIRELESS	CELL PHONE	92.95
			MIFI	60.00
		VIC'S HEAT & AIR	A/C LIBRARY ARCHIVE ROOM	3,600.00
			CITY HALL REPLACED WIRING	325.00
			WWTP REPAIRED WIRE	125.00
		WAYNE GING PLUMBING, LLC	PLOICE AUGER SEWER	165.00
			P.D. SEWER STOPPAGE	110.00
			MUN. COURT AUGURED SEWER	125.00
		A & B RESTORATION, INC	CITY HALL CLEAN CARPET	225.00
			LIBRARY CLEAN CARPET	225.00
		ITUNES STORE	ICLOUD STORAGE	0.99
		AMAZON.COM	COFFEE CREAMER, TEA	119.26
		CINTAS CORPORATION #86	MATS	132.53
			MATS	1,063.38
		QUADIENT LEASING USA, INC.	POSTAGE LEASE	199.47
		CINTAS CORP DBA FIRST AID & SAFETY	MEDICAL SUPPLIES-400 PORTE	64.58
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	90.48
		FORD AUDIO-VIDEO SYSTEMS, LLC.	MICROPHONE	237.14
		CIT BANK, N.A DBA AVAYA FINANCIAL SERV	CAMERA SYSTEM	167.58
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	13.86
			TOTAL:	21,704.78
ENGINEERING & INSPECTI GENERAL FUND		HDR ENGINEERING INC	CITY ENG. SERVICES	7,938.97
			HDR/4TH STREET WARRANTY RE	448.39
			HDR/ID PROJECTS 2020 CDBG	4,859.99
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	63.28
			TOTAL:	13,310.63
INTERNAL SVC/ I T DEPT GENERAL FUND		AT&T	INTERNET	1,481.60
		EASY DNS TECHNOLOGIES INC	DNS RENEWAL	19.95
			DNS UPGRADE	19.18
		LINCOLN	LTD 2020 INV.	12.73
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	615.11
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	109.87
			FICA CONTRIBUTIONS AND MAT	108.72
			MEDICARE CONTRIB AND MATCH	25.70
			MEDICARE CONTRIB AND MATCH	25.43
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	265.94
			TMRS CONTRIBUTIONS	263.54
		TIME WARNER CABLE DBA SPECTRUM	CABLE	74.71
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	10.87
		VERIZON WIRELESS	CELL PHONE	42.00
			MIFI	30.00
		OLLE NETWORK TECH CONSULTANTS DBA ON	IT CONSULTING	5,317.87
			ACCESS POINT/ROUTER SWITCH	800.00

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			IT CONSULTING	125.00
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	25.85
		SHARCO TECHNOLOGIES, INC.	IT VOICEMAIL	94.00
			IT CONSULTING	180.00
			IT PHONE SYSTEM	94.00
		CIT BANK, N.A DBA AVAYA FINANCIAL SERV	PHONE LEASE	2,814.59
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	<u>3.96</u>
			TOTAL:	12,560.62
NON-DEPARTMENTAL	GENERAL FUND	HALFF ASSOCIATES, INC.	DRAINAGE MASTER PLAN	29,522.30
		MISCELLANEOUS RANDALL H FISCHER	RANDALL H FISCHER:REFUND P	500.94
		CENTEX HOUSE LEVELING	CENTEX HOUSE LEVELING:REIM	256.80
		OFFICE DEPOT CORPORATION	DEV SRVS-COVID19 LYSOL WIP	19.92
			DEV SRVS-COVID19 WIPES	50.10
			MUN. COURT GLOVES - COVID-	41.97
		A & B RESTORATION, INC	MUN. COURT DISINFECT COVID	400.00
		OLLE NETWORK TECH CONSULTANTS DBA ON	IT CONSULTING	1,900.00
			ACCESS POINTS/INSTALL ZOOM	<u>1,572.50</u>
			TOTAL:	34,264.53
TIF EXPENDITURES	TIF (TAX INCREMENT	HDR ENGINEERING INC	HDR/GATEWAY SIGNAGE	1,803.27
		2ND & MAIN LOFTS, LLC	FIRE SUPPRESSION GRANT	25,000.00
		SEC PLANNING, LLC	GATEWAY SIGN PROJ NO 19015	<u>1,006.25</u>
			TOTAL:	27,809.52
NON-DEPARTMENTAL	MAIN STREET REVENUE	MISCELLANEOUS JOHN SCONCI,III	JOHN SCONCI,III:REIM BOOTH	150.00
		JUSTIN HUSKISSON	JUSTIN HUSKISSON:REIM BOOT	75.00
		JAIME SALINAS	JAIME SALINAS:REIMB BOOTH	75.00
		SHONTAVIA HORNSBY	SHONTAVIA HORNSBY:REIM BOO	75.00
		VETTE OTUAGOMA	VETTE OTUAGOMA:REIM BOOTH	50.00
		MARY ANN REED	MARY ANN REED:REIM BOOTH F	75.00
		PAT STEGER	PAT STEGER:REIMB BOOTH FEE	75.00
		JOHNNIE ALEJO	JOHNNIE ALEJO:REIMB BOOTH	75.00
		JOHNNIE WERNER	JOHNNIE WERNER:REIM BOOTH	75.00
		REGGIE&RAMONA ALFORD	REGGIE&RAMONA ALFORD:REIM	75.00
		CASSIE LESCHBER	CASSIE LESCHBER:REIM BOOTH	75.00
		HEATHER HILL	HEATHER HILL:REIMB BOOTH F	75.00
		FONDA MOSES	FONDA MOSES:REIMB BOOTH FE	75.00
		DESIRAE UNDERWOOD	DESIRAE UNDERWOOD:REIM BOO	75.00
		WILL MCCOY	WILL MCCOY:REIMB BOOTH FEE	75.00
		ALI CASTILLO	ALI CASTILLO:REIMB BOOTH F	75.00
		ERIC WEBER	ERIC WEBER:REIMB BOOTH FEE	75.00
		SYLVIA MONTALVO	SYLVIA MONTALVO:REIMB BOOT	75.00
		JOE&STELLA DE LA ROSA	JOE&STELLA DE LA ROSA:REIM	75.00
		JESSIE ANCIRA JR	JESSIE ANCIRA JR:REIM BOOT	75.00
		MELISSA BURROWS	MELISSA BURROWS:REIM BOOTH	50.00
		LORIS JONES	LORIS JONES:REIMB BOOTH FE	75.00
		CINDY RECH	CINDY RECH:REIMB BOOTH FEE	<u>75.00</u>
			TOTAL:	1,750.00
CONTRIBUTE CIVIC PROGR	MAIN STREET REVENUE	BANNERS ON THE CHEAP	CREDIT	19.70-
		RICHARDS, JOSHUA	RENTAL ASSISTANCE (5 OF 11	625.00
		WILLIAMSON BURNET COUNTY OPPORTUNITIES	MSCS COMM MEALS ON WHEELS	7,066.50
		ZUNIGA, RICARDO	RED CAP CIGAR LOUNGE (8 OF	587.00
		CWMRY BOYD II LLC	E. GARCIA GALLERY (10 OF 1	133.18
		SEC PLANNING, LLC	DOWNTOWN STREET ENHANCEMEN	923.57

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			DOWNTOWN STREET ENHANCEMEN	2,101.25
			DOWNTOWN STREET ENHANCEMEN	<u>1,232.20</u>
			TOTAL:	12,649.00
MUNICIPAL CRT TECHNOLO	MUNICIPAL CRT SPEC	OFFICE DEPOT CORPORATION	CASE/KEYBOARD CREDIT	<u>99.99-</u>
			TOTAL:	99.99-
LIBRARY	LIBRARY GRANT/DONA	RECORDED BOOKS, INC.	ANNUAL DIGITAL SUBSCRIPTIO	<u>1,500.00</u>
			TOTAL:	1,500.00
I & S PAYMENT ACCOUNTS	I & S FOR G O BOND	REGIONS BANK	CO SERIES 12 ESCROW AGENT	<u>470.85</u>
			TOTAL:	470.85
CDBG 3RD STREET	GENERAL CAPITAL IM	HDR ENGINEERING INC	3RD ST CDBG	37,374.79
		LANGFORD COMMUNITY MGMT	RECORDKEEPING SRVS-3RD ST	<u>12,500.00</u>
			TOTAL:	49,874.79
CEMETERY ROADS	GENERAL CAPITAL IM	STEVE REYES CONCRETE	CONCRETE BRIDGE	<u>6,193.95</u>
			TOTAL:	6,193.95
HERITAGE/SKATE PARK	GENERAL CAPITAL IM	HDR ENGINEERING INC	HDR/SKATEPARK	<u>582.91</u>
			TOTAL:	582.91
GIVENS COMMUNITY CENTE	GENERAL CAPITAL IM	HDR ENGINEERING INC	HDR/GIVENS CENTER	1,233.10
		LANGFORD COMMUNITY MGMT	RECORDKEEPING SRVS-3RD ST	<u>18,750.00</u>
			TOTAL:	19,983.10
SKATEPARK-LANDSCAPE &	GENERAL CAPITAL IM	LONE STAR SITEWORK, LLC	4TH ST PEDEST. FINAL PAY A	<u>7,097.66</u>
			TOTAL:	7,097.66
HOME PROGRAM-TDHCA	GENERAL CAPITAL IM	LONGHORN TITLE CO., INC.	CLOSING COSTS AT 104 1ST A	<u>1,714.61</u>
			TOTAL:	1,714.61
2019 GO BONDS PROJECTS	GENERAL CAPITAL IM	HDR ENGINEERING INC	HDR/ANIMAL SHELTER	896.79
			HDR/JUSTICE CENTER	3,179.07
			2019 TASK BOND #6	<u>133,058.41</u>
			TOTAL:	137,134.27
MISC DRAINAGE PROJECTS	MDUS IMPROVEMENT P	HDR ENGINEERING INC	HDR/2019 INFRASTRUCTURE MD	<u>667.27</u>
			TOTAL:	667.27
2019 MDUS BOND PROJECT	MDUS IMPROVEMENT P	HALFF ASSOCIATES, INC.	2019 MDUS BOND PROJECTS	<u>14,881.25</u>
			TOTAL:	14,881.25
DOWNSTREETS PROJECT	2013 COMBINATION C	HDR ENGINEERING INC	HDR/DOWNTOWN ST. PLAN	<u>1,654.87</u>
			TOTAL:	1,654.87
TRANSPORTATION	TRANSPORTATION FUN	ERGON ASPHALT & EMULSIONS, INC	ST,GR/CSS-1H EMULSION OIL	777.13
			ST,GR/CSS-1H EMULSION OIL	834.37
			ST,GR/533 GAL CSS-1H EMUL	1,173.40
		HDR ENGINEERING INC	HDR/2019 INFRASTRUCTURE TU	1,152.55
			ROAD DESIGN REQUIREMENTS	2,921.17
		VULCAN CONSTRUCTION MATERIALS, LP DBA:	ST,GR/10 LOADS D COLD MIX	<u>19,289.30</u>
			TOTAL:	26,147.92
MUNICIPAL DRAINAGE	MUNICIPAL DRAINAGE	STEVE REYES CONCRETE	CONCRETE BRIDGE	12,267.89

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			TOTAL:	12,267.89
NON-DEPARTMENTAL	SANITATION FUND	TEXAS COMPTROLLER OF PUBLIC ACCOUNTS	SALES & USE TAX ENDING 2/2	7,445.28
			TOTAL:	7,445.28
NON-DEPARTMENTAL	PUBLIC UTILITIES F	AFLAC	AFLAC MARCH 2020 INVOICE	459.18
		HDR ENGINEERING INC	HDR/2019 INFRASTRUCTURE UT	1,213.21
			RCR SEWER LINE TASK ORDER	1,134.00
			MUSTANG CREEK WWTP IMPROV	6,318.00
			CR 398 WATERLINE TASK #9	8,804.00
		PRE-PAID LEGAL SERVICES, INC. DBA LEGA	PRE-PAID LEGAL NOV. 2019	53.80
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	1,744.78
		CITIZENS NATIONAL BANK	FEDERAL WITHHOLDING	3,909.66
			FEDERAL WITHHOLDING	3,425.26
			FICA CONTRIBUTIONS AND MAT	2,747.21
			FICA CONTRIBUTIONS AND MAT	2,523.11
			MEDICARE CONTRIB AND MATCH	642.53
			MEDICARE CONTRIB AND MATCH	590.10
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	3,182.55
			TMRS CONTRIBUTIONS	2,929.56
		UNUM LIFE INS CO OF AMERI	UNUM LIFE INS. PAYABLE	92.08
		MILLS, TERESA NICOLE c/o TX CHILD SUP	01-346 EDWARD AVALOS, JR.	386.31
			01-346 EDWARD AVALOS, JR.	386.31
		SUN LIFE ASSURANCE COMPANY	DENTAL PAYABLE	303.94
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	26.92
			TOTAL:	40,872.51
UTILITIES ADMINISTRATI	PUBLIC UTILITIES F	BRINKS, INC.	FEBRUARY BRINKS	736.52
		DATAPROSE LLC	LATE BILLS	181.58
			REGULAR BILLS	926.24
			POSTAGE	2,999.59
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 UTILITIES	0.05
		TYLER TECHNOLOGIES, INC	CENTRAL CASH COLLECTION	3,282.24
			S/O MANAGEMENT	2,873.38
			REMITPLUS MAINTENANCE	2,805.78
			WEBSITE MAINTENANCE	50.00
			UTILITY BILLING ONLINE	220.00
		LINCOLN	LTD2020 INV.	54.96
		MC CREARY, VESELKA, BRAGG & ALLEN PC	BAD DEBT FEES- MARIO ALDER	35.71
			BAD DEBT FEES-LISA SCHATTE	5.81
			BAD DEBT FEES - KEVIN O'NE	30.24
		MOSS & MOSS INC. #6000	PIPE SEALANT & GATE VALVE	39.13
			KEYS	11.14
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	3,690.66
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	527.74
			FICA CONTRIBUTIONS AND MAT	533.61
			MEDICARE CONTRIB AND MATCH	123.42
			MEDICARE CONTRIB AND MATCH	124.79
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	1,127.36
			TMRS CONTRIBUTIONS	1,139.61
		TRACTOR SUPPLY COMPANY	INVERTER	59.99
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	47.72
		VERIZON WIRELESS	CELL PHONE	126.00
			AIRCARD	60.00
		SHY, CATHERINE	C. SHY SERVICES	495.00
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	155.10

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	23.76
		COMMUNITY COFFEE COMPANY LLC	Coffee	<u>38.94</u>
			TOTAL:	22,526.07
WASTEWATER TREATMENT	PUBLIC UTILITIES F	AQUA-TECH LABORATORIES, INC.	FEB 2020 ANALYSIS	946.00
		AUSTIN COMMUNITY COLLEGE	WW TESTING J. LAMB	50.00
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 WASTE WATER	0.87
		PROGRESSIVE WASTE SOLUTIONS DBA WC OF	WWT/9 SLUDGE HAULS	4,365.45
		LINCOLN	LTD 2020 INV.	29.96
		MOSS & MOSS INC. #3000	CLARIFIER MAINTENANCE	144.03
			SCREWDRIVER SET, DOOR STOP	23.38
			MISC HARDWARE	1.21
			WRENCHES-WWTP	50.82
		NEWMAN REGENCY GROUP, INC.	ANNUAL SERVICING	2,135.00
		RABA KISTNER, INC.	BULL BRANCH WW EMERGENCY	1,426.70
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	12,910.17
		FLETCHER FAMILY ENTERPRISES, LLC DBA:	OXYGEN- WWTP	15.83
		RISE SKYBEAM/JAB BROADBAND INC.	INTERNET - WWTP	106.88
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	1,845.33
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	314.33
			FICA CONTRIBUTIONS AND MAT	306.15
			MEDICARE CONTRIB AND MATCH	73.52
			MEDICARE CONTRIB AND MATCH	71.61
		TEEX-TEXAS EMERGENCY SERVICES TRAINING	INDUSTRIAL PRETREATMENT WO	430.00
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRs CONTRIBUTIONS	657.55
			TMRs CONTRIBUTIONS	640.51
		TRACTOR SUPPLY COMPANY	HOSE AND COUPLER-WWTP	37.00
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	25.79
		VERIZON WIRELESS	CELL PHONE	84.00
		USA BLUEBOOK; INC. DBA	M-COLIBLUE AMPULES&AMMONIA	279.19
		MUNICIPAL VALVE & EQUIPMENT COMPANY, I	REBUILDING CHECK VALVE	506.86
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	77.55
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	<u>11.88</u>
			TOTAL:	27,567.57
DISTRIBUTION/COLLECTIO	PUBLIC UTILITIES F	AUSTIN ARMATURE WORKS, LP	PUMP FOR HEB LIFT STATION	9,477.60
		ACT PIPE & SUPPLY, LTD	PIPE SOAP,GRIP JOINTS,BUSH	440.10
		B2O & ASSOCIATES, INC.	SHOVELS AND PUNCH RODS	975.53
		NCH CORPORATION DBA	TYVEK SUITS & GLOVES	381.61
			CHERRY FLOW& WASP SPRAY	1,480.21
		CITY OF ROUND ROCK	FEBRUARY BAC-TS	400.00
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 UTILITIES	1.51
		HDR ENGINEERING INC	CITY ENG. SERVICES	7,938.97
		JERRY FARMER'S GRASS SALE	(1) PALLET OF GRASS	160.00
		LINCOLN	LTD 2020 INV.	160.04
		MOSS & MOSS INC. #3000	ELBOW AND BUSHING	5.56
			WATER REPAIR AT ST. DEPT.	5.84
			TAPE MEASURES- 2PK	19.97
			TOOLS FOR WORK TRUCK #615	39.57
		OFFICE DEPOT CORPORATION	WHITEBOARD,PENS, PAPER	83.81
		RABA KISTNER, INC.	CR 398 WL	1,426.70
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	3,437.93
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	9,226.65
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	1,905.14
			FICA CONTRIBUTIONS AND MAT	1,683.35
			MEDICARE CONTRIB AND MATCH	445.59

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			MEDICARE CONTRIB AND MATCH	393.70
		TAYLOR IRON-MACHINE WORKS	REPAIR HOSE REEL-JET MACH#	547.00
		TEEX-TEXAS EMERGENCY SERVICES TRAINING	BASIC WW OPS A. PADDOCK	410.00
			WW TREATMENT A. PADDOCK	410.00
		TX TAG	TX TAG #617	11.47
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	4,089.23
			TMRS CONTRIBUTIONS	3,627.04
		TECHLINE PIPE, L.P	METER BOXES/LIDS	274.95
		TRACTOR SUPPLY COMPANY	MUD BOOTS- JOHN SCHMIDT	19.99
		ATMOS ENERGY	NATURAL GAS-1200 N. MAIN S	371.75
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	137.86
		VERIZON WIRELESS	CELL PHONE	294.00
			IPADS	60.00
		USA BLUEBOOK; INC. DBA	ABOVE GRADE SAMPLING STAT	716.05
		GOLDEN CHICK	APPRECIATION LUNCH FOR CRE	62.40
		MCCOY'S BUILDING SUPPLY	CONCRETE MIX	56.26
		PRO-CHEM, INC.	GLASSES	81.80
			ECO LIFT	1,112.55
			HAND SANITIZER&WIPES	161.49
		AT&T U-VERSE	INTERNET	73.39
		HARRIS COUNTY TOLL ROAD AUTHORITY	#624 TOLL FEES	38.50
			#626 TOLL FEE	38.00
		LOWE'S HOME CENTERS INC	LILLIE LANE FLUSH VALVE	6.50
		CINTAS CORPORATION #86	UNIFORM RENTAL-UTIL&MAINT	209.12
			UNIFORM RENTAL 3/12/20	209.12
			UTILITY MAIN UNIFORM RENTA	209.01
			UNIFORM RENTAL-UTIL&MAINT	208.26
		CINTAS CORP DBA FIRST AID & SAFETY	ESSENTIAL ITEMS-CPR SHIELD	62.08
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	387.75
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	59.40
		COMMUNITY COFFEE COMPANY LLC	TEA, CUPS, COFFEE	109.50
			TOTAL:	54,143.85
UTILITIES NONDEPARTMEN	PUBLIC UTILITIES F	B20 & ASSOCIATES, INC.	NITRILE GLOVES	540.00
		BRAZOS RIVER AUTHORITY	EWC WTP/O&M 343	166,512.86
		HDR ENGINEERING INC	HDR/W/WW EMERGENCY REPAIRS	3,136.25
			UTILITY RATE STUDY	7,985.99
			WASTEWATER MASTER PLAN TAS	3,715.00
			WATER MASTER PLAN TASK #3	3,244.00
		REGIONS BANK	CO SERIES 12 ESCROW AGENT	174.15
			TOTAL:	185,308.25
NON-DEPARTMENTAL	AIRPORT FUND	PRE-PAID LEGAL SERVICES, INC. DBA LEGA	PRE-PAID LEGAL NOV. 2019	18.95
		CITIZENS NATIONAL BANK	FEDERAL WITHHOLDING	244.92
			FEDERAL WITHHOLDING	244.92
			FICA CONTRIBUTIONS AND MAT	153.25
			FICA CONTRIBUTIONS AND MAT	153.25
			MEDICARE CONTRIB AND MATCH	35.84
			MEDICARE CONTRIB AND MATCH	35.84
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	174.38
			TMRS CONTRIBUTIONS	174.38
		TEXAS DEPT OF TRANSPORTATION AVIATION	TERMINAL DESIGN SPONSOR SH	12,880.00
		SUN LIFE ASSURANCE COMPANY	DENTAL PAYABLE	35.38
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	3.56
			TOTAL:	14,154.67

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT		
AIRPORT OPERATIONS DEP	AIRPORT FUND	AVFUEL CORP.	100LL FUEL	6,751.27		
			JET A FUEL	7,651.74		
		TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 AIRPORT	0.75		
		LINCOLN	LTD 2020 INV.	18.90		
		MOSS & MOSS INC. #6000	RETURNED ENTRY DEADBOLT	62.99-		
			ENTRY DEADBOLT	62.99		
			BLEACH CLEANER	4.94		
		OFFICE DEPOT CORPORATION	TONER/INK CARTRIDGE	83.30		
			SPONGES & WIPES	45.67		
		RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL	600.18		
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	307.56		
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	153.24		
			FICA CONTRIBUTIONS AND MAT	153.24		
			MEDICARE CONTRIB AND MATCH	35.84		
			MEDICARE CONTRIB AND MATCH	35.84		
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	321.86		
			TMRS CONTRIBUTIONS	321.86		
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	16.41		
		VERIZON WIRELESS	CELL PHONE	42.00		
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	38.77		
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	5.94		
			TOTAL:	16,589.31		
		NON-DEPARTMENTAL	CEMETERY OPERATING	CITIZENS NATIONAL BANK	FEDERAL WITHHOLDING	100.85
					FEDERAL WITHHOLDING	275.16
					FICA CONTRIBUTIONS AND MAT	81.02
					FICA CONTRIBUTIONS AND MAT	153.22
					MEDICARE CONTRIB AND MATCH	18.95
					MEDICARE CONTRIB AND MATCH	35.83
				TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	91.47
					TMRS CONTRIBUTIONS	172.99
					TOTAL:	929.49
				CEMETERY OPERATING DEP	CEMETERY OPERATING	ADT SECURITY SERVICES INC
TEXAS DEPARTMENT OF INFORMATION RESOUR	FEBRUARY 2020 CEMETERY					1.95
LINCOLN	LTD 2020 INV.					18.17
RELIANT ENERGY SOLUTIONS	MONTHLY ELECTRIC BILL					68.71
SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	1,230.22				
CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	81.02				
	FICA CONTRIBUTIONS AND MAT	153.22				
	MEDICARE CONTRIB AND MATCH	18.95				
	MEDICARE CONTRIB AND MATCH	35.83				
TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	168.83				
	TMRS CONTRIBUTIONS	319.29				
UNUM LIFE INS CO OF AMERI	UNUM AD&D	17.05				
VERIZON WIRELESS	CELL PHONE	72.00				
CINTAS CORPORATION #86	CEM/UNIFORMS 560926	13.56				
	CEM/UNIFORMS 201015	13.56				
	CEM UNIFORMS	13.56				
	CEM/UNIFORMS 479419	13.49				
KNIPPA, DANIEL	CEM/2 REG OP CLOSE2/22-2/2	850.00				
	CEM/3 REG,1 ASHES 3/5-3/11	1,375.00				
SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	51.70				
SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	7.92				
	TOTAL:	4,730.82				

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
NON-DEPARTMENTAL	FLEET SERVICES OPE	AFLAC	AFLAC MARCH 2020 INVOICE	152.07
		NATIONWIDE RETIREMENT SOLUTIONS	NATIONWIDE CONTRIBUTIONS	35.00
			NATIONWIDE CONTRIBUTIONS	35.00
		PRE-PAID LEGAL SERVICES, INC. DBA LEGA	PRE-PAID LEGAL NOV. 2019	33.90
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	283.28
		CITIZENS NATIONAL BANK	FEDERAL WITHHOLDING	420.94
			FEDERAL WITHHOLDING	405.21
			FICA CONTRIBUTIONS AND MAT	276.15
			FICA CONTRIBUTIONS AND MAT	269.95
			MEDICARE CONTRIB AND MATCH	64.58
			MEDICARE CONTRIB AND MATCH	63.14
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	326.97
			TMRS CONTRIBUTIONS	319.97
		UNUM LIFE INS CO OF AMERI	UNUM LIFE INS. PAYABLE	49.60
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	74.76
			TOTAL:	2,810.52
FLEET SERVICES SECTION	FLEET SERVICES OPE	ARNOLD OIL COMPANY OF AUSTIN, LP DBA A	#613 FLAP	19.00
			SIDEMARK LICENSE LIGHT	18.20
			#614 MUD FLAP	19.00
			#607 FLUID	3.25
			#561 VALVE	11.55
			30LB CYL R134A	119.95
			#306 OIL	29.16
			#306 OIL	10.08
			SHOP PADS	79.36
			#611 BULBS	12.67
			TRPSC FUEL HOSE & OIL	105.66
			#561 WIPER BLADES	9.98
			HOSE FILTER	45.89
			OIL	135.92
			KUBOTA STREET DEPT. OIL	94.50
			#511 FILTERS	121.92
			C2 OIL FILTER	34.26
			WINDSHIELD WASH	5.58
			#624 OIL FILTER	34.59
			#616 OIL FILTER	34.59
			#345 OIL FILTER	46.79
			#345 BATTERY	125.57
			#616 AIR FILTER	23.00
			TIRE SENSOR	215.84
			#613 OIL	126.00
			#614 OIL	126.00
			#627 OIL	19.98
			CREDIT FOR #511 FILTERS	18.60-
			#344 BATTERY	125.57
			PREMIX 5 GAL/DEF 2.5 GAL	259.80
			WINDSHIELD WASH	8.37
			R1 TURN SIGNAL LIGHT	4.42
			POLICE OIL	120.36
			#106 OIL FILTER	10.09
			#342 RELAY	48.81
			RELAY	48.81
			#619 BRAKE PADS	65.88
			LUG WRENCH	18.78
			#63 HYDRAULIC	39.12

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		CAPITOL BEARING SERVICE	HOSE FITTING	93.27
		CLARK TRAVEL	LEAD TAYLOR TOUR	319.00
		COUFAL-PRATER EQUIP LLC DBA UNITED AG	#737 OIL FILTERS	68.58
			#727 WASHER	2.80
			TRSPC FUEL PUMP	18.42
			#711 SEAT	308.10
			PARKS FILTER	88.51
			TRPSC KEYS	16.56
		COVERT COUNTRY OF HUTTO	#511 TUBE/ELBOW	370.02
		FREIGHTLINER OF AUSTIN	#626 FILTER	272.34
		GRAINGER, W. W. INC.	FUEL NOZZLE	48.16
		HENNA CHEVROLET INC	#332 SENSOR	113.13
			BULBS	32.24
			MATS	72.25
			#610 BLADES	40.84
			STOCK	40.84
			#615 PAINT	16.91
			#345 RELAY	58.99
			#344 RELAY	58.99
			POLICE BOLT & RETAINER	29.42
		O'REILLY AUTOMOTIVE, INC.	#614 AIR FILTER	49.95
		HOLT CAT	WWTP GENERATOR PM	1,765.41
		INTERSTATE BATT. N AUSTIN	#562 BATTERY	87.94
			#604 BATTERY	119.73
			#342 BATTERY	144.04
		LINCOLN	LTD 2020 INV.	29.68
		LONGHORN INTERNATIONAL TRUCKS, LTD DBA	#613 FILTER	104.02
			#614 FILTER	104.01
		MOSS & MOSS INC. #8000	SOAP	5.83
			FUEL STABILIZER	35.08
			FIRE DEPT. MISC HARDWARE	2.00
			COFFEE BREWER & BATTERY	118.45
			SPONGES & LYSOL	11.49
			CONNECTOR & CRADLE FAN	75.76
			TUBING & SOAP	4.74
		ROMCO EQUIPMENT CO INC	#514 PUMP SPRAY	1,033.74
		SCOTT & WHITE HEALTHCARE	HEALTH PREMIUMS	1,230.22
		CITIZENS NATIONAL BANK	FICA CONTRIBUTIONS AND MAT	276.15
			FICA CONTRIBUTIONS AND MAT	269.95
			MEDICARE CONTRIB AND MATCH	64.58
			MEDICARE CONTRIB AND MATCH	63.14
		EWALD KUBOTA INC	#526 PUMP FILTERS	247.84
			PARTS	1,141.67
			KUBOTA MOWERS FILTERS	685.68
		TAYLOR FIRE & SAFETY	FIRE EXTINGUISHER	210.00
			FIRE EXTINGUISHER	70.00
		T4 DISTRIBUTION, LLC.	ACID BLUE MARVEL	350.00
		TEXAS MUNICIPAL RETIREMENT SYSTEMS	TMRS CONTRIBUTIONS	603.49
			TMRS CONTRIBUTIONS	590.57
		TRACTOR SUPPLY COMPANY	FUEL NOZZLE	29.99
		UNUM LIFE INS CO OF AMERI	UNUM AD&D	25.57
		VERIZON WIRELESS	CELL PHONE	84.00
			IPAD	30.00
		WALTON DISTRIBUTING COMPANY, INC	CHEMICALS	403.80
		CINTAS CORPORATION #86	FLEET/UNIFORMS 560751	17.89
			FLEET/UNIFORMS 200959	17.89

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			FLEET UNIFORMS 842606	17.89
			FLEET/UNIFORMS 4046479415	17.62
		TAYLOR LUBE CENTER	#615 OIL CHANGE	36.43
			#610 OIL CHANGE	36.43
		SIDDONS MARTIN EMERGENCY GROUP LLC	E11 RADIATOR REPAIR	13,410.11
			E11 MAJOR REPAIR	5,000.00
			T1 REPAIRS	1,615.62
			BATTERY GAUGE	211.18
			R1 LIGHT	25.00
		CINTAS CORP DBA FIRST AID & SAFETY	MEDICAL SUPPLIES-1424 N MA	88.06
		AIRGAS INC DBA AIRGAS USA, LLC	OXYGEN	151.33
		FLEETCOR TECHNOLOGIES, INC.LLC DBA FUE	FUEL	5,700.12
			FUEL	4,790.97
			FUEL	2,757.63
		SUN LIFE ASSURANCE COMPANY	DENTAL INSURANCE	51.70
		SOUTHERN TIRE MART	#616 TIRES	500.00
			#502 TIRE	114.00
			STOCK	114.00
			#619 TIRES	246.00
		T&W TIRE LLC	TWO 4 TIRE REPAIR	570.70
		SELECT BENEFITS GROUP INC. DBA DENTAL	SEL/VISION 2020	<u>7.92</u>
			TOTAL:	49,996.08
FLEET REPLACEMENT	FLEET REPLACEMENT	CITIZENS NTL BANK-CAPITAL EQUIP ACCT	PAY #57 CAPITAL EQUIPMENT L	5,286.54
			PAY #57 CAPITAL EQUIPMENT L	42.71
		WELLS FARGO FINANCIAL LEASING	PAYMENT #28 CONTRACT	872.28
			PAYMENT #28 CONTRACT	81.44
		MCP ACQUISITION CORPORATION DBA: MISSI	CAD/RADIO CONSULTATION SER	2,668.50
		MUNICIPAL EMERGENCY SERVICES, INC	CREDIT FOR RETURNED ITEMS	185.00-
			PARTS FOR NEW E2	<u>889.99</u>
			TOTAL:	9,656.46
NON-DEPARTMENTAL	POOLED CASH	JPMORGAN CHASE BANK NA	1/2020-02/2020 TRANSACTION	10,423.69
			1/2020-02/2020 TRANSACTION	<u>7,377.83</u>
			TOTAL:	17,801.52

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
===== FUND TOTALS =====				
100	GENERAL FUND			721,411.05
119	TIF (TAX INCREMENT FUND)			27,809.52
123	MAIN STREET REVENUE FUND			14,399.00
125	MUNICIPAL CRT SPECIAL FEE			99.99CR
129	LIBRARY GRANT/DONATION			1,500.00
140	I & S FOR G O BONDS			470.85
162	GENERAL CAPITAL IMPROVEME			222,581.29
164	MDUS IMPROVEMENT PROJECTS			15,548.52
165	2013 COMBINATION CO			1,654.87
210	TRANSPORTATION FUND			26,147.92
300	MUNICIPAL DRAINAGE UTILIT			12,267.89
320	SANITATION FUND			7,445.28
340	PUBLIC UTILITIES FUND			330,418.25
350	AIRPORT FUND			30,743.98
370	CEMETERY OPERATING FUND			5,660.31
382	FLEET SERVICES OPERATING			52,806.60
384	FLEET REPLACEMENT FUND			9,656.46
950	POOLED CASH			17,801.52

GRAND TOTAL:				1,498,223.32

SELECTION CRITERIA

SELECTION OPTIONS

VENDOR SET: 95-CITY OF TAYLOR
VENDOR: All
CLASSIFICATION: All
BANK CODE: All
ITEM DATE: 0/00/0000 THRU 99/99/9999
ITEM AMOUNT: 99,999,999.00CR THRU 99,999,999.00
GL POST DATE: 3/01/2020 THRU 3/31/2020
CHECK DATE: 0/00/0000 THRU 99/99/9999

PAYROLL SELECTION

PAYROLL EXPENSES: NO
EXPENSE TYPE: N/A
CHECK DATE: 0/00/0000 THRU 99/99/9999

PRINT OPTIONS

PRINT DATE: None
SEQUENCE: By Department
DESCRIPTION: Distribution
GL ACCTS: NO
REPORT TITLE: C O U N C I L R E P O R T
SIGNATURE LINES: 0

PACKET OPTIONS

INCLUDE REFUNDS: YES
INCLUDE OPEN ITEM:NO

Attachment D

Balance Sheets by Funds

General Fund
Tax Increment Financing Fund
Hotel Occupancy Tax Fund
Main Street Fund
Municipal Court Special Fee Fund
Library Grant/Donations Fund
Roadway Impact Fee Fund
Transportation User Fee Fund
Municipal Drainage Utility System Fund
Sanitation Fund
Public Utilities Fund
Utility Impact Fee Fund
Airport Fund
Cemetery Fund
Fleet Services Operating Fund
Fleet Replacement Fund

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

100-GENERAL FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE
ASSETS		
=====		
100-100-100	PETTY CASH	1,650.00
100-100-102	CLAIM ON POOLED CASH	(2,955,287.81)
100-100-103	FROST SAFEKEEPING 1004078	3,879,047.87
100-100-104	FROST ACCT 0591800744	311,295.99
100-100-105	MONEY MARKET @CNB #4260618	12,230.26
100-100-106	VALERO DONATION FUNDS TEXPOOL	514,570.94
100-100-107	GEN OPERATING TXCLASS 0008	1,257,730.39
100-100-108	NED TRUST(MOODY)TEXSTAR	200,440.68
100-100-109	PRINCOR GEN FUND 6FR-139362	0.26
100-100-110	TEXPOOL 2465300006 POOLED CASH	5,783,009.11
100-100-113	TEXPOOL 2465300015 N MOODY	52,936.22
100-120-100	PROPERTY TAXES RECEIVABLE	150,568.17
100-120-103	MISC. ACCOUNTS RECEIVABLE	(27,826.98)
100-120-110	ALLOWANCE UNCOLLECTED TAXES	0.00
100-120-120	SALES TAXES RECEIVABLE	576,034.09
100-120-130	ACCTS RECEIVABLE GARBAGE	0.00
100-120-131	ALLOWANCE - GARBAGE	0.00
100-120-140	GRANTS RECEIVABLE	14,559.80
100-120-240	DUE FROM TAXES	0.00
100-120-250	DUE FROM FUND 350 FOR LOAN	0.00
100-120-251	DUE FROM FUND 350	0.00
100-120-302	TEDC REIMBURSE FOR MAIN ST	0.00
100-150-100	OTHER ASSETS (AUDITOR'S ENTRY)	0.00
100-170-100	CURRENT YR RES FOR ENCUMBRANCE	(335,886.05)
100-170-101	PRIOR YR RES FOR ENCUMBRANCE	119,250.09
100-180-101	DUE FROM SOURCES-GRANT REVENUE	0.00
100-190-102	DEFERRED CHGS-BOND ISSUE COST	<u>0.00</u>
		<u>9,554,323.03</u>
TOTAL ASSETS		9,554,323.03
		=====
LIABILITIES		
=====		
100-200-100	ACCRUED PAYBLES	0.00
100-200-110	ENCUMBERED PAYABLE GEN.	(335,886.05)
100-200-111	PRIOR YEAR ENCUMBRANCE	119,250.09
100-200-200	FICA & MEDICARE PAYABLE	0.00
100-200-201	FEDERAL WITHHOLDING PAYABLE	0.00
100-200-202	TMRS PAYABLE	0.00
100-200-203	DEFERRED COMP PAYABLE	1,385.88
100-200-204	CIVIL SERVICE-SICK LEAVE	0.00
100-200-205	TEDC SALES TAX PAYABLE	0.00
100-200-210	CHILD SUPPORT PAYABLE	(747.71)
100-200-211	GARNISHMENTS PAYABLE	0.00
100-200-212	UNUM LIFE INS PAYABLE	775.69
100-200-213	DENTAL PAYABLE	(1,080.29)
100-200-214	AFLAC PAYABLE	2,963.72
100-200-215	CLOTHES RENTAL PAYABLE	0.00
100-200-216	CINCINNATI LIFE PAYABLE	28.71

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

100-GENERAL FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE
100-200-218	BLUE CHOICE PAYABLE	27.62
100-200-219	SCOTT & WHITE HEALTH PAYABLE	160.64
100-200-220	S&W PAYABLE 2001-2011	(9,793.98)
100-200-222	PRE-PAID LEGAL PAYABLE	(1,054.20)
100-200-228	MISC DEDUCTIONS PAYABLE	0.00
100-200-229	MET LIFE DENTAL PAYABLE	(551.91)
100-200-230	UNITED WAY PAYABLE	0.00
100-200-231	MEMBERSHIP/DUES PAYABLE	200.00
100-200-232	COURT BOND REFUND PAYABLE	(759.80)
100-200-233	OTHER A/P PENDING (AUDITOR)	(52,259.66)
100-200-235	VISION PLAN PAYABLE	85.42
100-200-300	RETAINAGE PAYABLE	(30,973.96)
100-200-301	COURT COLLECTIONS	39,747.72
100-200-401	WAGES PAYABLE	28,954.07
100-200-500	DUE TO OTHER FUNDS	197,857.22
100-200-502	DUE TO STATE/COURT FEES	56,780.10
100-200-503	DUE TO COMPT. SALES TAX	0.00
100-200-504	DUE TO TEDC-MONTHLY SALES TAX	0.00
100-200-505	DUE TO OMNIBASE SERVICES INC	1,605.98
100-200-507	DUE TO S&W/COBRA FROM OTHERS	(521.62)
100-200-508	DUE TO TISD:HOUSING AUTH PILOT	0.00
100-200-509	DUE TO TMRS FROM TEDC	(3,193.94)
100-210-111	DUE TO I&S (TAX COLLECTIONS)	2,153.54
100-220-100	TAX DISTRIBUTION	0.00
100-240-100	DEFERRED TAX REVENUE	150,568.17
100-240-101	UNCLAIMED FUNDS	14,999.34
100-240-102	DEFERRED REV-BOND PREMIUM	0.00
100-240-103	DEFERRED REVENUE	<u>0.00</u>
TOTAL LIABILITIES		<u>180,720.79</u>
EQUITY		
=====		
100-260-111	RESERVE CHRISTMAS DONATIONS	600.00
100-260-113	ESCROW-BONDS POSTED-DEFENDENTS	5,442.65
100-265-100	RESTRICTED PORTION FUND BA	0.00
100-270-100	FUND BALANCE	5,276,350.88
100-280-100	ASSIGNED FUND BALANCE	<u>32,396.29</u>
TOTAL BEGINNING EQUITY		5,314,789.82
TOTAL REVENUE		11,201,240.87
TOTAL EXPENSES		<u>7,142,428.45</u>
TOTAL INCREASE/(DECREASE) IN FUND BAL.		4,058,812.42
TOTAL EQUITY & FUND BALANCE		<u>9,373,602.24</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE		9,554,323.03
=====		

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

119-TIF (TAX INCREMENT FUND)

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
119-100-102	CLAIM ON POOLED CASH	(417,837.17)	
119-100-103	SECURITY INVESTMENTS-FROST BAN	0.00	
119-100-104	FROST ACCT 0591800744	0.00	
119-100-115	TEXPOOL 246530004 TIF PROP TAX	854,943.12	
119-120-103	MISC ACCOUNTS RECEIVABLE	0.00	
119-170-100	CURRENT YR RES FOR ENCUMBRANCE	0.00	
119-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>0.00</u>	
			<u>437,105.95</u>
TOTAL ASSETS			437,105.95
			=====
LIABILITIES			
=====			
119-200-110	CURRENT YEAR ENCUMBRANCE	0.00	
119-200-111	PRIOR YEAR ENCUMBRANCE	0.00	
119-200-500	ACCOUNTS PAYABLE PENDING	<u>28,213.31</u>	
TOTAL LIABILITIES			<u>28,213.31</u>
EQUITY			
=====			
119-270-100	FUND BALANCE	<u>600,293.90</u>	
TOTAL BEGINNING EQUITY		600,293.90	
TOTAL REVENUE		170,916.27	
TOTAL EXPENSES		<u>362,317.53</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		(191,401.26)	
TOTAL EQUITY & FUND BALANCE			<u>408,892.64</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE			437,105.95
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

120-HOTEL/MOTEL FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
120-100-102	CLAIM ON POOLED CASH	124,934.76	
120-120-103	MISC ACCOUNTS RECEIVABLE	0.00	
120-170-100	CURRENT YR RES FOR ENCUMBRANCE	0.00	
120-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>0.00</u>	
			<u>124,934.76</u>
TOTAL ASSETS			124,934.76
			=====
LIABILITIES			
=====			
120-200-110	CURRENT YEAR ENCUMBRANCE	0.00	
120-200-111	PRIOR YEAR ENCUMBRANCE	0.00	
120-200-500	ACCOUNTS PAYABLE PENDING	0.00	
120-200-505	DUE TO SAYDA 380 AGREEMENT	<u>0.00</u>	
TOTAL LIABILITIES			<u>0.00</u>
EQUITY			
=====			
120-270-100	FUND BALANCE	<u>90,067.48</u>	
TOTAL BEGINNING EQUITY		90,067.48	
TOTAL REVENUE		101,025.15	
TOTAL EXPENSES		<u>66,157.87</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		34,867.28	
TOTAL EQUITY & FUND BALANCE			<u>124,934.76</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE			124,934.76
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

123-MAIN STREET REVENUE FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
123-100-102	CLAIM ON POOLED CASH	63,531.01	
123-120-103	MISC ACCOUNTS RECEIVABLES	0.00	
123-170-100	CURRENT YR RES FOR ENCUMBRANCE	(1,985.00)	
123-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>1,985.00</u>	
			<u>63,531.01</u>
TOTAL ASSETS			63,531.01
			=====
LIABILITIES			
=====			
123-200-110	CURRENT YEAR ENCUMBRANCE	(1,985.00)	
123-200-111	PRIOR YEAR ENCUMBRANCE	1,985.00	
123-200-500	ACCOUNTS PAYABLE PENDING	(564.42)	
123-240-100	PRE-REGISTER FESTIVAL/CARSHOW	<u>0.00</u>	
TOTAL LIABILITIES			(<u>564.42</u>)
EQUITY			
=====			
123-270-100	FUND BALANCE	<u>63,885.62</u>	
TOTAL BEGINNING EQUITY		63,885.62	
TOTAL REVENUE		49,779.30	
TOTAL EXPENSES		<u>49,569.49</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		209.81	
TOTAL EQUITY & FUND BALANCE			<u>64,095.43</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE			63,531.01
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

125-MUNICIPAL CRT SPECIAL FEE

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
125-100-102	CLAIM ON POOLED CASH	108,633.36	
125-170-100	CURRENT YR RES FOR ENCUMBRANCE	(1,253.00)	
125-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>1,253.00</u>	
			<u>108,633.36</u>
TOTAL ASSETS			108,633.36
			=====
LIABILITIES			
=====			
125-200-110	CURRENT YEAR ENCUMBRANCE	(1,253.00)	
125-200-111	PRIOR YEAR ENCUMBRANCE	1,253.00	
125-200-500	ACCOUNTS PAYABLE PENDING	(<u>99.99</u>)	
TOTAL LIABILITIES			(<u>99.99</u>)
EQUITY			
=====			
125-270-100	FUND BALANCE	<u>104,605.78</u>	
TOTAL BEGINNING EQUITY		104,605.78	
TOTAL REVENUE		9,065.05	
TOTAL EXPENSES		<u>4,937.48</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		4,127.57	
TOTAL EQUITY & FUND BALANCE		<u>108,733.35</u>	
TOTAL LIABILITIES, EQUITY & FUND BALANCE			108,633.36
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

129-LIBRARY GRANT/DONATION

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
129-100-102	CLAIM ON POOLED CASH	49,534.46	
129-100-103	TEXSTAR: NOBLE TRUST - 3444	923.77	
129-100-108	NED TRUST (LIBRARY) TEXSTAR	281,585.25	
129-120-103	MISC ACCTS RECEIVABLE	0.00	
129-170-100	CURRENT YR RES FOR ENCUMBRANCE	(1,436.37)	
129-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>1,436.37</u>	
			<u>332,043.48</u>
TOTAL ASSETS			332,043.48
			=====
LIABILITIES			
=====			
129-200-110	CURRENT YEAR ENCUMBRANCE	(1,436.37)	
129-200-111	PRIOR YEAR ENCUMBRANCE	1,436.37	
129-200-233	OTHER A/P PENDING (AUDITOR)	(10,945.00)	
129-200-500	ACCOUNTS PAYABLE PENDING	<u>10,945.00</u>	
TOTAL LIABILITIES			<u>0.00</u>
EQUITY			
=====			
129-270-100	FUND BALANCE	<u>335,690.98</u>	
TOTAL BEGINNING EQUITY		335,690.98	
TOTAL REVENUE		2,163.90	
TOTAL EXPENSES		<u>5,811.40</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		(3,647.50)	
TOTAL EQUITY & FUND BALANCE			<u>332,043.48</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE			332,043.48
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

200-ROADWAY IMPACT FEE FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
200-100-102	CLAIM ON POOLED CASH	252,388.39	
200-170-100	CURRENT YR RES FOR ENCUMBRANCE	(30,000.00)	
200-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>0.00</u>	
			<u>222,388.39</u>
TOTAL ASSETS			222,388.39
			=====
LIABILITIES			
=====			
200-200-110	CURRENT YR ENCUMBRANCES	(30,000.00)	
200-200-111	PRIOR YR ENCUMBRANCES	0.00	
200-200-500	ACCOUNTS PAYABLE PENDING	<u>0.00</u>	
	TOTAL LIABILITIES		(<u>30,000.00</u>)
EQUITY			
=====			
200-270-100	FUND BALANCE	<u>246,334.39</u>	
	TOTAL BEGINNING EQUITY	246,334.39	
TOTAL REVENUE		14,964.00	
TOTAL EXPENSES		<u>8,910.00</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		6,054.00	
TOTAL EQUITY & FUND BALANCE		<u>252,388.39</u>	
TOTAL LIABILITIES, EQUITY & FUND BALANCE			222,388.39
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

210-TRANSPORTATION FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
210-100-101	2019 CO BOND FUNDS TEXSTAR	2,916,309.44	
210-100-102	CLAIM ON POOLED CASH	1,034,950.53	
210-100-103	FROST SAFEKEEPING 1004078	989,558.33	
210-100-104	FROST ACCOUNT 591800744	0.00	
210-120-130	ACCTS RECEIVABLE TRANSPORTATIO	40,483.95	
210-120-131	ALLOWANCE-TRANSPORTATION	0.00	
210-170-100	CURRENT YR RES FOR ENCUMBRANCE	0.00	
210-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>0.00</u>	
			<u>4,981,302.25</u>
TOTAL ASSETS			4,981,302.25
			=====
LIABILITIES			
=====			
210-200-100	ACCRUED PAYABLES	0.00	
210-200-110	CURRENT YR ENCUMBRANCES	0.00	
210-200-111	PRIOR YR ENCUMBRANCES	0.00	
210-200-500	ACCOUNTS PAYABLE PENDING	39,599.65	
210-240-101	UNCLAIMED FUNDS	<u>0.00</u>	
TOTAL LIABILITIES			<u>39,599.65</u>
EQUITY			
=====			
210-270-100	FUND BALANCE	<u>5,111,321.56</u>	
TOTAL BEGINNING EQUITY		5,111,321.56	
TOTAL REVENUE		430,103.08	
TOTAL EXPENSES		<u>599,722.04</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL. (		169,618.96)	
TOTAL EQUITY & FUND BALANCE		<u>4,941,702.60</u>	
TOTAL LIABILITIES, EQUITY & FUND BALANCE			4,981,302.25
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

300-MUNICIPAL DRAINAGE UTILIT

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
300-100-102	CLAIM ON POOLED CASH	165,438.35	
300-120-100	DRAINAGE RECEIVABLE	28,434.41	
300-120-130	ALLOWANCE FOR DOUBTFUL ACCTS	(3,864.08)	
300-160-206	FIXED ASSET-WORK IN PROGRESS	0.00	
300-170-100	CURRENT YR RES FOR ENCUMBRANCE	(14,732.11)	
300-170-101	PRIOR YR RES FOR ENCUMBRANCE	0.00	
300-190-103	ACCUMULATED DEPRECIATION	<u>0.00</u>	
			<u>175,276.57</u>
TOTAL ASSETS			175,276.57
			=====
LIABILITIES			
=====			
300-200-104	ACCRUED INTEREST PAYABLE	0.00	
300-200-110	CURRENT YEAR ENCUMBRANCES	(14,732.11)	
300-200-111	PRIOR YEAR ENCIMBRANCES	0.00	
300-200-233	OTHER A/P PENDING (AUDITOR)	0.00	
300-200-240	BOND PAYABLE - CURRENT	0.00	
300-200-300	RETAINAGE PAYABLE	0.00	
300-200-500	ACCOUNTS PAYABLE PENDING	<u>0.00</u>	
TOTAL LIABILITIES			(<u>14,732.11</u>)
EQUITY			
=====			
300-250-100	CONTRIBUTED CAPITAL-DRAINAGE	0.00	
300-270-100	FUND BALANCE	<u>186,058.83</u>	
TOTAL BEGINNING EQUITY		186,058.83	
TOTAL REVENUE		248,029.39	
TOTAL EXPENSES		<u>244,079.54</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		3,949.85	
TOTAL EQUITY & FUND BALANCE			<u>190,008.68</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE			175,276.57
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

320-SANITATION FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
320-100-102	CLAIM ON POOLED CASH	273,828.28	
320-120-103	MISC ACCOUNTS RECEIVABLE	0.00	
320-120-130	ACCTS RECEIVABLE GARBAGE	73,138.05	
320-120-131	ALLOWANCE-GARBAGE	(2,691.04)	
320-170-100	CURRENT YR RES FOR ENCUMBRANCE	0.00	
320-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>0.00</u>	
			<u>344,275.29</u>
TOTAL ASSETS			344,275.29
			=====
LIABILITIES			
=====			
320-200-100	ACCRUED PAYABLES	0.00	
320-200-110	CURRENT YR ENCUMBRANCES	0.00	
320-200-111	PRIOR YR ENCUMBRANCES	0.00	
320-200-500	ACCOUNTS PAYABLE PENDING	136,225.48	
320-200-503	DUE TO STATE COMPT SALES TAX	24,495.31	
320-240-101	UNCLAIMED FUNDS	<u>0.00</u>	
TOTAL LIABILITIES			<u>160,720.79</u>
EQUITY			
=====			
320-270-100	FUND BALANCE	<u>167,817.57</u>	
TOTAL BEGINNING EQUITY		167,817.57	
TOTAL REVENUE		915,861.78	
TOTAL EXPENSES		<u>900,124.85</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		15,736.93	
TOTAL EQUITY & FUND BALANCE		<u>183,554.50</u>	
TOTAL LIABILITIES, EQUITY & FUND BALANCE			344,275.29
			=====

BALANCE SHEET

AS OF: MARCH 31ST, 2020

340-PUBLIC UTILITIES FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE
ASSETS		
=====		
340-100-100	PETTY CASH	1,350.00
340-100-101	2019 CO BOND FUNDS TEXSTAR	3,177,486.10
340-100-102	CLAIM ON POOLED CASH	707,161.72
340-100-103	FROST SAFEKEEPING 1004078	1,483,500.00
340-100-104	FROST ACCT 0591800744	0.00
340-100-107	TEXPOOL 2465300012 TOWER RENT	475,291.72
340-100-110	TEXPOOL 2465300001 UTILITY FD	68,538.86
340-100-116	UTILITY OPERATING-TXCLASS 0007	1,018,369.29
340-100-118	TEXPOOL RATE STABILIZATION 18	646,825.02
340-100-119	TEXPOOL CAPITAL OUTLAY-ASSETS	311,813.65
340-100-120	TEXPOOL WORKING CAPITAL-CIP	460,848.46
340-100-121	TEXPOOL 2017 WWTP IMPROVMNTS	0.00
340-120-100	ACCOUNTS RECEIVABLE	319,505.74
340-120-101	CURRENT REFUND PAYABLE	8,954.61
340-120-102	UNAPPLIED CREDITS	(39,989.85)
340-120-103	MISC. ACCOUNTS RECEIVABLE	33,206.85
340-120-104	AR - AUDIT ACCRUALS	0.00
340-120-130	ALLOWANCE-ACCTS. RECEIVABLE	(6,352.22)
340-140-100	INVENTORY	139,947.93
340-150-100	BOND ISSUANCE COSTS	0.00
340-150-105	DEFERRED AMT ON REFUNDING	32,391.57
340-160-100	LAND	457,201.00
340-160-200	BUILDINGS	6,363,714.34
340-160-206	FIXED ASSETS: WORK IN PROGRESS	3,162,007.12
340-160-225	PLANT DISTRIBUTION/COLLECTION	46,814,779.80
340-160-235	EQUIPMENT	714,794.88
340-170-100	CURRENT YR RES FOR ENCUMBRANCE	(168,535.55)
340-170-101	PRIOR YR RES FOR ENCUMBRANCE	161,168.80
340-190-103	ACCUMULATED DEPRECIATION	(<u>22,688,704.25</u>)
		<u>43,655,275.59</u>
TOTAL ASSETS		43,655,275.59
		=====
LIABILITIES		
=====		
340-200-104	ACCRUED INTEREST PAYABLE	104,944.75
340-200-110	CURRENT YEAR ENCUMBRANCES	(168,535.55)
340-200-111	PRIOR YEAR ENCUMBRANCE	161,168.80
340-200-200	FICA AND MEDICARE PAYABLE	(831.14)
340-200-201	FEDERAL WITHHOLDING PAYABLE	(1,144.93)
340-200-202	TMRS PAYABLE	0.00
340-200-203	DEFERRED COMP PAYABLE	134.73
340-200-204	DEFERRED CHARGES	0.00
340-200-208	ACCRUED VACATION	29,840.24
340-200-209	CHILD SUPPORT PAYABLE	0.00
340-200-210	NET PENSION LIABILITY	616,552.72
340-200-211	GARNISHMENTS PAYABLE	0.00
340-200-212	UNUM LIFE INS PAYABLE	154.52
340-200-213	DENTAL PAYABLE	122.56

BALANCE SHEET

AS OF: MARCH 31ST, 2020

340-PUBLIC UTILITIES FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE
340-200-214	AFLAC PAYABLE	239.72
340-200-215	CLOTHES RENTAL PAYABLE	0.00
340-200-218	BLUE CHOICE PAYABLE	175.48
340-200-219	SCOTT & WHITE HEALTH PAYABLE	(5,723.13)
340-200-222	PRE-PAID LEGAL PAYABLE	(167.45)
340-200-228	MISC. DEDUCTIONS PAYABLE	0.00
340-200-229	MET LIFE DENTAL PAYABLE	(135.78)
340-200-230	UNITED WAY PAYABLE	(1.00)
340-200-233	OTHER A/P PENDING (AUDITOR)	(15,805.47)
340-200-235	VISION PLAN PAYABLE	1.93
340-200-240	BONDS PAYABLE-CURRENT	0.00
340-200-300	RETAINAGE PAYABLE	50,723.82
340-200-500	ACCOUNTS PAYABLE PENDING	144,338.20
340-200-999	UNRECONCILED DIFFERENCES	0.00
340-210-100	UNAMORT. BOND DISCOUNT	(4,267.80)
340-210-101	BOND PREMIUMS	1,327,244.40
340-210-102	DEFERRED AMT ON REFUNDING	(624,228.89)
340-210-110	DEFERRED OUTFLOW RESORCES TMRS	(91,170.76)
340-210-115	DEFERRED OUTFLOW INVST TMRS	87,150.59
340-210-118	DEFERRED INFLOW-ACTUAL VS ASSM	31,373.18
340-210-119	DEFERRED OUTFLOW-CHNG IN ASSUM	(2,154.18)
340-230-109	CAPITAL LEASE BANC ONE NEMI	0.00
340-230-111	8.745M CO SERIES 2010 (6.11M)	180,000.00
340-230-114	4.5M CO SERIES 2003 (65%)	0.00
340-230-115	4.2M COMB CO 2006 (4M)	3,830,000.00
340-230-116	10M COMB SERIES 2007 (7M)	6,325,000.00
340-230-117	9.615M COMB SERIES 08 (6.615M)	0.00
340-230-118	8.995 GO REFUNDING 2009	520,000.00
340-230-119	2.625 GO REF 2010	0.00
340-230-120	5.450M GO REF 2012 (1.460M)	915,000.00
340-230-121	4.595M 2015 GO REF (1.695M)	1,620,000.00
340-230-122	8.010M 2016 GO REF (5.065M)	5,065,000.00
340-230-123	5.34M COMB SERIES 2017(2.250M)	2,270,000.00
340-230-124	3.02M GO REF 2017 (1.585M)	1,565,000.00
340-230-125	12.590 M 2019 COs (4.425M)	4,425,000.00
340-240-100	METER DEPOSITS	456,381.00
340-240-101	UNCLAIMED FUNDS	5,498.99
340-240-120	ALLOWANCE FOR BAD DEBT	<u>0.00</u>
TOTAL LIABILITIES		<u>28,816,879.55</u>
EQUITY		
=====		
340-250-100	CONTRIBUTED CAPITAL-WATER OPER	454,779.30
340-250-101	CONTRIBUTED CAPITAL SEWER OPER	60,475.00
340-270-100	FUND BALANCE	<u>14,368,550.73</u>
TOTAL BEGINNING EQUITY		14,883,805.03
TOTAL REVENUE		4,975,547.98
TOTAL EXPENSES		<u>5,020,956.97</u>
TOTAL INCREASE/(DECREASE) IN FUND BAL.		(45,408.99)
TOTAL EQUITY & FUND BALANCE		<u>14,838,396.04</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE		43,655,275.59
=====		

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

345-UTILITY IMPACT FEE FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
345-100-102	CLAIM ON POOLED CASH	1,424,299.77	
345-160-206	WORK IN PROGRESS	0.00	
345-160-225	PLANT DISTRIBUTION	104,188.68	
345-170-100	CURRENT YR RES FOR ENCUMBRANCE	(126,411.60)	
345-170-101	PRIOR YR RES FOR ENCUMBRANCE	<u>1,411.60</u>	
			<u>1,403,488.45</u>
TOTAL ASSETS			1,403,488.45
			=====
LIABILITIES			
=====			
345-200-110	CURRENT YEAR ENCUMBRANCE	(126,411.60)	
345-200-111	PRIOR YEAR ENCUMBRANCE	1,411.60	
345-200-233	OTHER A/P PENDING (AUDITOR)	0.00	
345-200-500	ACCOUNTS PAYABLE PENDING	<u>0.00</u>	
TOTAL LIABILITIES			(<u>125,000.00</u>)
EQUITY			
=====			
345-270-100	FUND BALANCE	<u>1,396,488.45</u>	
TOTAL BEGINNING EQUITY		1,396,488.45	
TOTAL REVENUE		132,000.00	
TOTAL EXPENSES		<u>0.00</u>	
TOTAL INCREASE/(DECREASE) IN FUND BAL.		132,000.00	
TOTAL EQUITY & FUND BALANCE			<u>1,528,488.45</u>
TOTAL LIABILITIES, EQUITY & FUND BALANCE			1,403,488.45
			=====

BALANCE SHEET

AS OF: MARCH 31ST, 2020

350-AIRPORT FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
350-100-102	CLAIM ON POOLED CASH	106,380.59	
350-100-106	TEXPOOL 2017 AIRPORT CONST	957,937.72	
350-120-100	AIRPORT RECEIVABLES	9,167.32	
350-120-101	REFUND CHECKS PAYABLE	0.00	
350-120-103	MISC. ACCOUNTS RECEIVABLES	1,569.82	
350-120-140	GRANTS RECEIVABLE	0.00	
350-120-250	DUE FROM OTHER FUNDS (AUDITOR)	1,360.00	
350-150-100	BOND ISSUANCE COSTS	0.00	
350-150-105	DEFERRED AMT ON REFUNDING	3,842.71	
350-160-100	LAND	859,833.00	
350-160-200	T-HANGERS (BUILDINGS)	1,264,756.23	
350-160-206	FIXED ASSETS:WORK IN PROGRESS	2,936,225.07	
350-160-210	EQUIPMENT	107,159.00	
350-160-300	RUNWAY	2,238,415.96	
350-160-335	FIELD EQUIPMENT	0.00	
350-170-100	CURRENT YR RES FOR ENCUMBRANCE	0.00	
350-170-101	PRIOR YR RES FOR ENCUMBRANCE	0.00	
350-190-103	ACCUMULATED DEPRECIATION	(1,591,509.88)	
		<u>6,895,137.54</u>	
	TOTAL ASSETS		6,895,137.54
			=====
LIABILITIES			
=====			
350-200-100	ACCRUED ACCOUNTS PAYABLE	0.00	
350-200-110	CURRENT YEAR ENCUMBRANCE	0.00	
350-200-111	PRIOR YEAR ENCUMBRANCE	0.00	
350-200-200	FICA AND MEDICARE PAYABLE	0.00	
350-200-201	FEDERAL WITHHOLDING PAYABLE	0.00	
350-200-202	TMRS PAYABLE	0.00	
350-200-210	NET PENSION LIABILITY	22,520.91	
350-200-213	DENTAL PAYABLE	42.00	
350-200-222	PRE-PAID LEGAL	0.00	
350-200-233	OTHER A/P PENDING (AUDITOR)	(617.76)	
350-200-235	VISION PLAN PAYABLE	0.81	
350-200-240	BONDS PAYABLE-CURRENT	0.00	
350-200-401	WAGES PAYABLE	984.42	
350-200-500	ACCOUNTS PAYABLE PENDING	1,503.27	
350-200-501	DUE TO FUND 100 (LOAN ADVANCE)	0.00	
350-200-502	DUE TO FUND 100	0.00	
350-200-505	DUE TO OTHER FUNDS	19,710.00	
350-200-999	UNRECONCILED DIFFERENCE	(271.67)	
350-210-100	UNAMORT. BOND DISCOUNT	4,589.11	
350-210-101	BOND PREMIUMS	23,831.60	
350-210-110	DEFERRED OUTFLOW TMRS CONT	(3,330.21)	
350-210-115	DEFERRED OUTFLOW INVST TMRS	3,183.36	
350-210-118	DEFERRED INFLOW ACT VS ASSMPT	1,145.97	
350-210-119	DEFERRED OUTFLOW CNCS IN ASSUM	(78.69)	
350-230-101	LONG TERM DEBT	0.00	

CITY OF TAYLOR
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350-AIRPORT FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
350-230-102	BOND PAYABLE-\$290K REF 2010	75,000.00	
350-230-103	5.34M COMB SERIES 2017(1.445M)	1,450,000.00	
350-240-101	ACCRUED INTEREST PAYABLE	<u>6,051.25</u>	
	TOTAL LIABILITIES		<u>1,604,264.37</u>
EQUITY			
=====			
350-250-100	CONTRIBUTED CAPITAL GRANT	4,274,320.92	
350-250-101	CONTRIBUTED CAPITAL CITY	75,265.82	
350-280-100	RETAINED EARNINGS	514,156.10	
350-281-100	PRIOR PERIOD ADJUSTMENTS	<u>442,482.09</u>	
	TOTAL BEGINNING EQUITY	5,306,224.93	
	TOTAL REVENUE	206,418.60	
	TOTAL EXPENSES	<u>221,770.36</u>	
	TOTAL INCREASE/(DECREASE) IN FUND BAL. (	15,351.76)	
	TOTAL EQUITY & FUND BALANCE		<u>5,290,873.17</u>
	TOTAL LIABILITIES, EQUITY & FUND BALANCE		6,895,137.54
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

370-CEMETERY OPERATING FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
370-100-102	CLAIM ON POOLED CASH	207,989.31	
370-120-103	MISC ACCOUNTS RECEIVABLES	0.00	
370-160-206	FIXED ASSETS-WORK IN PROGRESS	10,032.80	
370-170-100	CURRENT YR RES FOR ENCUMBRANCE	(959.83)	
370-170-101	PRIOR YR RES FOR ENCUMBRANCE	959.83	
370-190-103	ACCUMULATED DEPRECIATION	(<u>2,006.56</u>)	
			<u>216,015.55</u>
TOTAL ASSETS			216,015.55
			=====
LIABILITIES			
=====			
370-200-110	CURRENT YR ENCUMBRANCE	(959.83)	
370-200-111	PRIOR YEAR ENCUMBRANCE	959.83	
370-200-200	FICA & MEDICARE PAYABLE	0.00	
370-200-201	FEDERAL WITHHOLDING PAYABLE	0.00	
370-200-202	TMRS PAYABLE	0.00	
370-200-210	NET PENSION LIABILITY	32,939.00	
370-200-211	GARNISHMENTS PAYABLE	0.00	
370-200-213	ASSURANT DENTAL PAYABLE	(22.51)	
370-200-219	SCOTT & WHITE HEALTH PAYABLE	0.00	
370-200-222	PRE-PAID LEGAL	0.00	
370-200-233	OTHER A/P PENDING (AUDITOR)	(1,342.29)	
370-200-235	VISION PLAN PAYABLE	0.00	
370-200-401	WAGES PAYABLE	424.53	
370-200-500	ACCOUNTS PAYABLE PENDING	2,813.36	
370-210-100	DUE TO CEMETERY LAND PURCHASE	203,944.99	
370-210-110	DEFERRED OUTFLOW CONT TMRS	(4,870.75)	
370-210-115	DEFERRED OUTFLOW INVST TMRS	4,655.97	
370-210-118	DEFERRED INFLOW ACTUAL VS ASSM	1,676.09	
370-210-119	DEFERRED OUTFLOW-CHG ASSUMP	(<u>115.09</u>)	
TOTAL LIABILITIES			<u>240,103.30</u>
EQUITY			
=====			
370-270-100	FUND BALANCE	(<u>4,200.16</u>)	
	TOTAL BEGINNING EQUITY	(4,200.16)	
TOTAL REVENUE			56,965.85
TOTAL EXPENSES			<u>76,853.44</u>
TOTAL INCREASE/(DECREASE) IN FUND BAL.			(19,887.59)
TOTAL EQUITY & FUND BALANCE			(<u>24,087.75</u>)
TOTAL LIABILITIES, EQUITY & FUND BALANCE			216,015.55
			=====

BALANCE SHEET

AS OF: MARCH 31ST, 2020

382-FLEET SERVICES OPERATING

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
382-100-102	CLAIM ON POOLED CASH	43,559.45	
382-120-250	DUE TO OTHER FUNDS	8,213.00	
382-160-206	ESCROW FOR EQUIPMENT PURCHASES	0.00	
382-160-301	VEHICLES	0.00	
382-160-303	OFFICE EQUIPMENT	0.00	
382-160-305	FIELD EQUIPMENT	0.00	
382-160-306	HEAVY EQUIPMENT	0.00	
382-160-320	EQUIPMENT	0.00	
382-170-100	CURRENT YR RES FOR ENCUMBRANCE	(11,925.26)	
382-170-101	PRIOR YR RES FOR ENCUMBRANCE	5,016.20	
382-190-103	ACCUMULATED DEPRECIATION	<u>0.00</u>	
			<u>44,863.39</u>
TOTAL ASSETS			44,863.39
			=====
LIABILITIES			
=====			
382-200-110	CURRENT YEAR ENCUMBRANCE	(11,925.26)	
382-200-111	PRIOR YEAR ENCUMBRANCE	5,016.20	
382-200-200	FICA AND MEDICARE PAYABLE	0.00	
382-200-201	FEDERAL WITHHOLDING PAYABLE	0.00	
382-200-202	TMRS PAYABLE	(0.01)	
382-200-203	DEFERRED COMP PAYABLE	0.00	
382-200-208	ACCRUED VACATION	4,944.81	
382-200-210	NET PENSION LIABILITY	75,549.28	
382-200-212	UNUM LIFE INSURANCE PAYABLE	12.51	
382-200-213	DENTAL PAYABLE	0.00	
382-200-214	AFLAC PAYABLE	88.84	
382-200-215	CLOTHES RENTAL PAYABLE	0.00	
382-200-218	BLUE CHOICE PAYABLE	0.00	
382-200-219	SCOTT & WHITE HEALTH PAYABLE	(55.21)	
382-200-222	PRE-PAID LEGAL PAYABLE	51.80	
382-200-229	MET LIFE DENTAL PAYABLE	0.00	
382-200-233	OTHER A/P PENDING (AUDITOR)	(2,723.96)	
382-200-235	VISION PLAN PAYABLE	0.00	
382-200-401	WAGES PAYABLE	280.94	
382-200-500	ACCOUNTS PAYABLE PENDING	36,031.38	
382-210-110	DEFERRED OUTFLOW CONTB TMRS	(11,171.61)	
382-210-115	DEFERRED OUTFLOW INVST TMRS	10,679.00	
382-210-118	DEFERRED INFLOW ACTUAL VS ASSM	3,844.31	
382-210-119	DEFERRED OUTFLOW-CHNG IN ASSUMP	(263.96)	
382-240-101	UNCLAIMED FUNDS	<u>78.32</u>	
TOTAL LIABILITIES			<u>110,437.38</u>

382-FLEET SERVICES OPERATING

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
EQUITY			
=====			
382-260-121	RESERVE:FUTURE EQUIP PURCHASES	0.00	
382-270-100	FUND BALANCE	(<u>61,500.21</u>)	
	TOTAL BEGINNING EQUITY	(61,500.21)	
	TOTAL REVENUE	353,364.77	
	TOTAL EXPENSES	<u>357,438.55</u>	
	TOTAL INCREASE/(DECREASE) IN FUND BAL.	(4,073.78)	
	TOTAL EQUITY & FUND BALANCE	(<u>65,573.99</u>)	
	TOTAL LIABILITIES, EQUITY & FUND BALANCE		44,863.39
			=====

CITY OF TAYLOR
BALANCE SHEET
AS OF: MARCH 31ST, 2020

384-FLEET REPLACEMENT FUND

ACCOUNT #	ACCOUNT DESCRIPTION	BALANCE	
ASSETS			
=====			
384-100-102	CLAIM ON POOLED CASH	(212,655.14)	
384-100-104	CAPITAL EQUIP ACCT 2139517	0.00	
384-100-105	SIGNATURE BANK EQUIP (ESCROW)	0.00	
384-100-106	FROST LEASING ESCROW 010597724	5,932.78	
384-100-108	2018 FLEET/EQUIP TEXSTAR 20180	579,983.99	
384-120-103	MISC ACCOUNTS RECEIVABLES	0.00	
384-140-100	PREPAID CAP LEASE	0.00	
384-150-100	BOND ISSUANCE COSTS	42,598.96	
384-160-320	MACHINERY & EQUIPMENT	4,726,709.02	
384-170-100	CURRENT YR RES FOR ENCUMBRANCE	(3,480,084.52)	
384-170-101	PRIOR YR RES FOR ENCUMBRANCE	3,119,839.62	
384-190-103	ACCUMULATED DEPRECIATION	(2,977,452.73)	
			<u>1,804,871.98</u>
TOTAL ASSETS			1,804,871.98
			=====
LIABILITIES			
=====			
384-200-104	ACCRUED INTEREST PAYALBE	0.00	
384-200-110	CURRENT YEAR ENCUMBRANCE	(3,425,680.52)	
384-200-111	PRIOR YEAR ENCUMBRANCE	3,065,435.62	
384-200-500	ACCOUNTS PAYABLE PENDING	3,838.06	
384-200-505	DUE FROM OTHER FUNDS	9,573.00	
384-210-101	UNAMORT BOND PREMIUM	52,670.34	
384-230-103	5.44M COMB SERIES 2015(2.66M)	2,050,000.00	
384-230-115	CAPITAL LEASE PAYABLE-CURRENT	0.00	
384-230-120	CAP LEASE PAYABLE-NONCURRENT	1,232,191.85	
384-230-125	NOTES PAYABLE	582,656.62	
384-240-101	ACCRUED INTEREST PAYABLE	<u>22,154.55</u>	
TOTAL LIABILITIES			<u>3,592,839.52</u>
EQUITY			
=====			
384-270-100	FUND BALANCE	(783,575.28)	
TOTAL BEGINNING EQUITY			(783,575.28)
TOTAL REVENUE			144,435.77
TOTAL EXPENSES			<u>1,148,828.03</u>
TOTAL INCREASE/(DECREASE) IN FUND BAL.			(1,004,392.26)
TOTAL EQUITY & FUND BALANCE			(<u>1,787,967.54</u>)
TOTAL LIABILITIES, EQUITY & FUND BALANCE			1,804,871.98
			=====

Attachment E
Sales Tax Tracking Report

Sales Tax Collections by Month

	2016-17	2017-18	2018-19	2019-20	2019-20	2019-20				
	Actual	Actual	Actual	Actual	Estimate Amount	COVID-19 Revised Est Amount	\$ Difference from Actual to Est Amt	% Difference from Actual to Est Amt	\$ Difference from Prior Year Amount	% Difference from Pr. Yr. Actual
October	\$ 320,355	\$ 333,211	\$ 350,589	\$ 389,538	\$ 364,613	\$ 389,538	\$ 24,925	6.8%	\$ 38,949	11.1%
November	374,270	367,873	416,457	422,737	433,115	422,737	(10,377)	-2.4%	6,281	1.5%
December	302,790	329,458	376,081	390,346	391,124	390,346	(778)	-0.2%	14,266	3.8%
January	306,687	379,137	328,713	356,902	341,862	356,902	15,040	4.4%	28,189	8.6%
February	399,542	421,201	414,617	507,733	431,202	507,733	76,531	17.7%	93,116	22.5%
March	285,806	294,166	334,744	347,808	348,134	347,808	(326)	-0.1%	13,064	3.9%
April	275,023	280,487	338,154		351,681	334,096				
May	400,403	416,809	395,638		411,464	390,891				
June	322,240	319,869	352,018		366,099	219,660				
July	312,955	349,865	378,446		393,584	255,829				
August	340,817	405,299	411,815		428,288	313,984				
Sept.	310,945	330,626	410,378		426,793	312,888				
	\$ 3,951,833	\$ 4,228,002	\$ 4,507,651	\$ 2,415,065	\$ 4,687,957	\$ 4,242,413	\$ 105,015		\$ 193,863	

Sales Tax Collections by Month (TEDC Portion)

	2017	2018	2019	2020
October	\$ 80,089	\$ 83,303	\$ 87,647	\$ 97,385
November	93,568	91,968	104,114	105,684
December	75,698	82,365	94,020	97,587
January	76,672	94,784	82,178	89,225
February	99,886	105,300	103,654	126,933
March	71,452	73,542	83,686	86,952
April	68,756	70,122	84,539	-
May	100,101	104,202	98,910	-
June	80,560	79,967	88,005	-
July	78,239	87,466	94,611	-
August	85,204	101,325	102,954	-
Sept.	77,736	82,656	102,594	-
	\$ 987,958	\$ 1,057,001	\$ 1,126,913	\$ 603,766

Sales Tax Collections by Month (City's Portion)

Monthly

	2016-17	2017-18	2018-19	2019-20	2019-20	2019-20				
	Actual	Actual	Actual	Actual	Estimated Amount	COVID-19 Revised Est Amount	\$ Difference from Actual to Est Amt	% Difference from Actual to Est Amt	\$ Difference from Prior Year Amount	% Difference from Pr. Yr. Actual
October	\$ 240,266	\$ 249,908	\$ 262,942	\$ 292,154	\$ 273,460	\$ 292,154	\$ 18,694	6.8%	\$ 29,212	11.1%
November	280,703	275,905	312,342	317,053	324,836	317,053	(7,783)	-2.4%	4,711	1.5%
December	227,092	247,094	282,061	292,760	293,343	292,760	(583)	-0.2%	10,699	3.8%
January	230,015	284,353	246,535	267,676	256,396	267,676	11,280	4.4%	21,141	8.6%
February	299,656	315,901	310,963	380,800	323,402	380,800	57,398	17.7%	69,837	22.5%
March	214,354	220,625	251,058	260,856	261,100	260,856	(245)	-0.1%	9,798	3.9%
April	206,267	210,365	253,616	-	263,760	250,572				
May	300,302	312,607	296,729	-	308,598	293,168				
June	241,680	239,902	264,014	-	274,574	164,745				
July	234,716	262,399	283,834	-	295,188	191,872				
August	255,613	303,974	308,861	-	321,216	235,488				
Sept.	233,209	247,969	307,783	-	320,094	234,666				

Cumulative Year -to- Date on Actual

	2016-17	2017-18	2018-19	2019-20	2019-20	2019-20				
	Actual	Actual	Actual	Actual	Estimated Amount	COVID-19 Revised Est Amount	\$ Difference from Actual to Est. Amt	% Difference from Actual to Est. Amt	\$ Difference from Prior Year Amount	% Difference from Pr. Yr. Actual
October	\$ 240,266	\$ 249,908	\$ 262,942	\$ 292,154	\$ 273,460	292,154	\$ 18,694	6.8%	\$ 29,212	11.1%
November	520,969	525,813	575,285	609,207	598,296	609,207	10,911	1.8%	33,922	5.9%
December	748,061	772,907	857,345	901,967	891,639	901,967	10,328	1.2%	44,622	5.2%
January	978,077	1,057,260	1,103,880	1,169,643	1,148,035	1,169,643	21,608	1.9%	65,763	6.0%
February	1,277,733	1,373,161	1,414,843	1,550,443	1,471,437	1,550,443	79,006	5.4%	135,600	9.6%
March	1,492,087	1,593,785	1,665,901	1,811,298	1,732,537	1,811,298	78,761	4.5%	145,397	8.7%
April	1,698,355	1,804,151	1,919,517	-	1,996,297	2,061,870				
May	1,998,657	2,116,757	2,216,245	-	2,304,895	2,355,038				
June	2,240,337	2,356,659	2,480,259	-	2,579,470	2,519,783				
July	2,475,053	2,619,058	2,764,094	-	2,874,657	2,711,655				
August	2,730,666	2,923,032	3,072,955	-	3,195,873	2,947,143				
Sept.	2,963,875	3,171,002	3,380,738	-	3,515,968	3,181,809				
% Y-T-D Increase over prior year	2.4%	6.5%	6.2%							

Attachment F
Monthly Investment Report



Quarterly Investment Report

March 31, 2020

PATTERSON & ASSOCIATES



INVESTMENT PROFESSIONALS

Whatever It Takes - Shut It Down

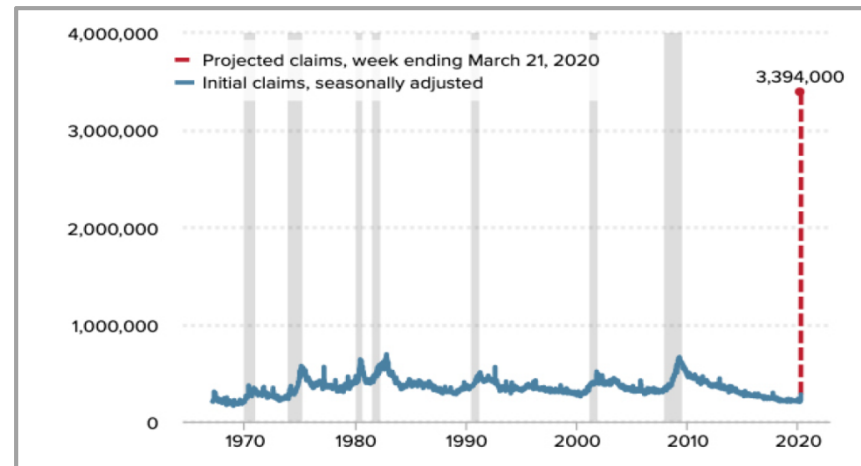
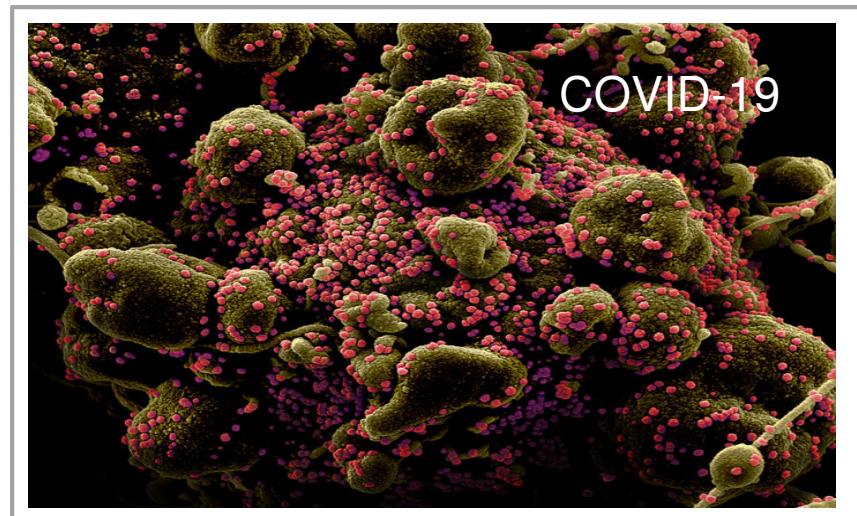
Events and economic numbers continue to change day by day in response to the impact of the corona virus 19 and will continue to do so, but we can summarize what has happened this month:

- The COVID-19 has spread rapidly and continues to spread globally
- Markets have moved to a *risk-on* position globally (go to safety)
- Corporate credit spreads widen as faith in companies falters
- Oil falls as main players refuse to play well in the sand box
- The USD appreciates 4.1%+ as investors run to safety
- China slows and supply chains grind slower
- The Federal Reserve opens the liquidity floodgates
- Congress passes a \$1T assistance bill

First and foremost this is a human tragedy. It presents a double edged sword. We must shut-down the economy to save lives but we have to get people support and ultimately get them back to work. The jobless claims for March exploded to 3.28 million, which was expected as entire sectors of the economy shut-down. The numbers could be greater if system overload prohibited everyone from signing up.

The longer the shut-down the more drastic the result as temporary layoffs evolve into permanent closures. Congress finally acted, after tiresome political bickering, which wasted precious days.

We now have an assistance \$1T bill to aid taxpayers, small business, the healthcare system, and corporations (which represents a 60% trickle-down to suppliers and workers). It is a worthwhile patch amounting to about 10% of GDP and because it adds the liquidity needed for people and business and builds faith in a recovery. It almost replaces the \$900 million estimated to be lost by the shutdown. It is part of an entire effort to fight this insidious malady.

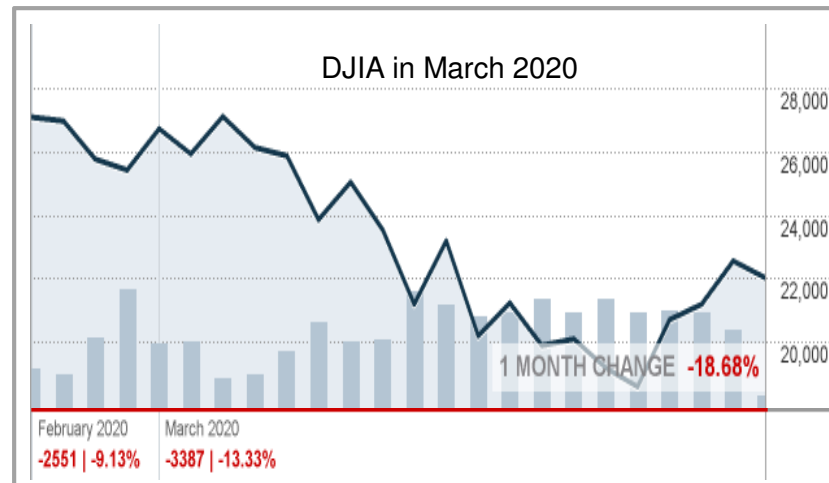


Fed Versus the Virus - Round One

The Federal Reserve has taken a '*whatever it takes*' posture in the fight. In an unexpected emergency rate cut mid-month, the Fed cut overnight rates by 0.50% followed quickly by a full 1.0% cut. We sit now at 0.25% in overnight rates. All of the Fed moves are designed to provide economic fuel. The fuel in this case is liquidity.

Natural personal and economic fear has manifested itself from the hoarding of TP in stores to a panic selling out of any securities anticipated to be felled by the slowdown. Nothing panics people or markets more than not being able to get to their money i.e., liquidity risk. As a result, true *blue chip* companies were desperate to retain open lines of short-term liquidity. That is why CP rates sky-rocketed. Not because of risk in the companies themselves, but the companies' willingness to pay anything for short-term liquidity to pay people and keep lines running. It was not a phenomenon to fear but to take advantage of.

The Fed has, as some have put it, opened its lending through QE "to infinity and beyond" (as Buzz Lightyear said). It has literally set no limit for this program. These are not loans but facilities to provide liquidity as fear closes. Treasury has echoed the move. The Fed has multiple funding facilities which it is fueling in order not to have to set up a whole new structure – and because these work. It is putting credit into the system. Their money market funding facilities (MMLF) is a key program because it funds the markets. The borrowers are banks, major dealers, and US branches of foreign banks. The funds can then be moved further down to consumers and business. As time passes and the virus continues, prepare to see more. It should also bring rates into some normalcy.

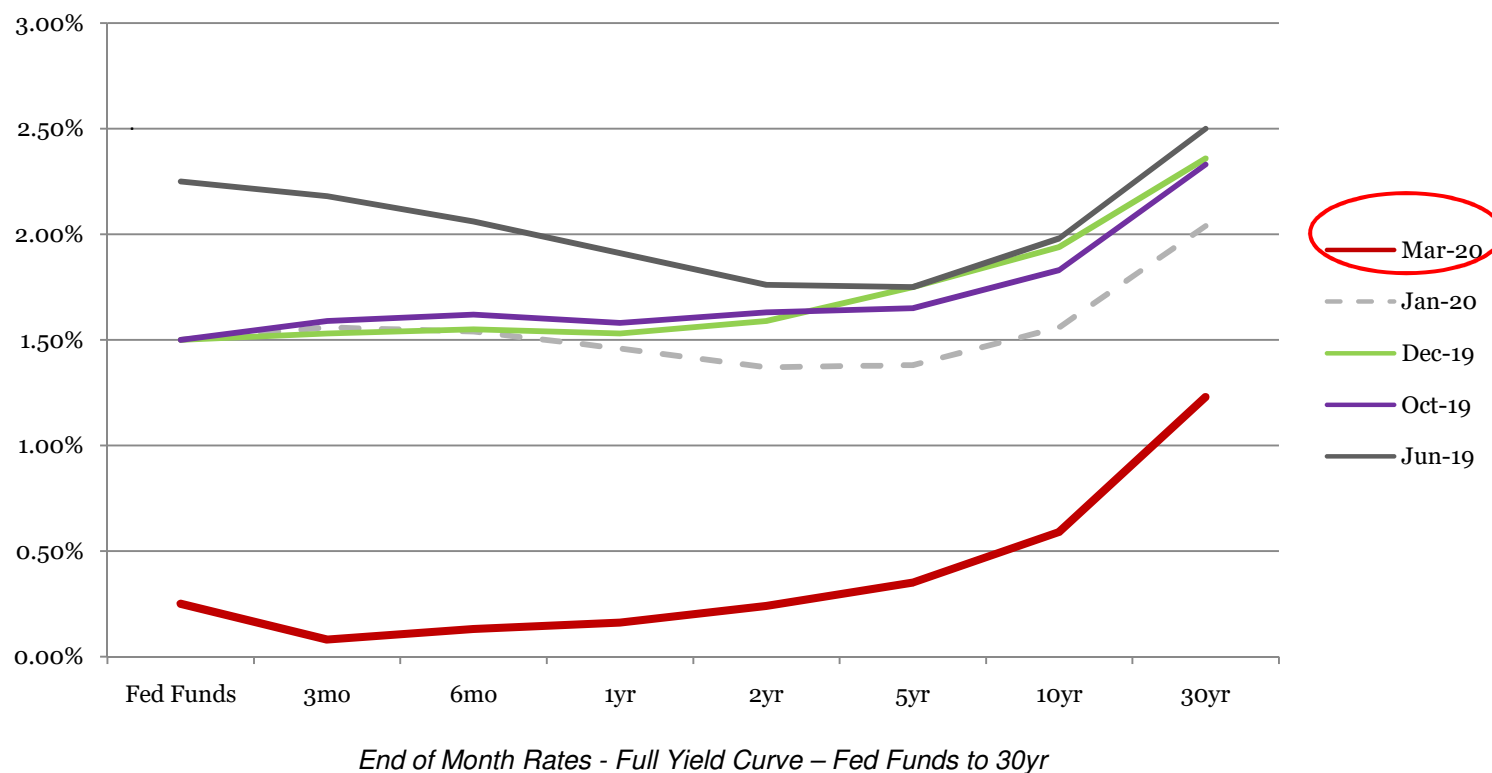


The volatility this past month in all markets – and especially the stock markets - has been extreme and does tend to portend a doomsday scenario, but it is well to remember some of the underlying causes for such extreme action. Much of the daily trading is now controlled by algorithms and these calculate buy and sell levels based on the 'channels' created by the price action. As that action widens the channels, the swings get or stay in wide channels kicking in buys and sells not based on human views but on math. In addition, as some securities have been downgraded, funds – with investment policies like yours – have to act to sell. Of course there is one more very human trait driving the volatility. To take advantage of the swings, active traders naturally buy low and sell high, making money on the swings. This is not a time to get into the action. Hang on, buy value and we will get through it.



This is more than anyone expected

- To say this month's moves are dramatic is to state the obvious. The fear in the markets has caused Treasury and agency rates to plummet.
- Fear increases the demand for safe havens and the safest are the U.S. Treasury and the USD dollar, both of which have risen markedly from US and international investors. The action drives the price up and therefore the rates go down.
- One area slow to move has been the tax-free municipal bonds, so local governments bonds look very attractive.
- We have discussed above why the CP markets also soared in rates this month: need for short-term liquidity for the companies. As soon as the Fed's spigots opened on credit facilities, the rates immediately began to fall and very well known names (Ford, Toyota, Coca Cola, etc.) have already left the CP market.
- Expect rates to stay low for at least the next several months as the globe fights – and destroys – this virus. The GDP has continued to increase, showing a strong underlying economy that will bring rates back up again, whether in a U or V recovery we will see.



City of Taylor, Texas

Quarterly Investment Report

January – March 2020

Portfolio Summary Management Report

This quarterly report is prepared in compliance with the Investment Policy and Strategy of the City and the Public Funds Investment Act (Chapter 2256., Texas Government Code).

<u>Portfolio as of December 31, 2019</u>		<u>Portfolio as of March 31, 2020</u>	
Beginning Book Value	\$ 34,892,657	Ending Book Value	\$ 36,539,917
Beginning Market Value	\$ 34,898,605	Ending Market Value	\$ 36,541,798
Unrealized Gain/Loss	\$ 5,948	Investment Income for the period	\$ 134,865
		Unrealized Gain/Loss	\$ 1,881
		Change in Unrealized Gain/Loss	\$ (4,067)
WAM at Beginning Period Date ¹	8 days	WAM at Ending Period Date ¹	28 days
		Change in Market Value ²	\$ 1,643,193
Average Yield to Maturity for period		1.514%	
Average Yield 6 month Treasury Bill for period		1.110%	
Average Yield 1 year Treasury Note for period		1.080%	

Authorized by:

Jeffrey Wood, Finance Director
City of Taylor


Ms. Linda Patterson, President
Patterson & Associates, Registered Investment Advisor

Lillie Lawler, Accountant
City of Taylor

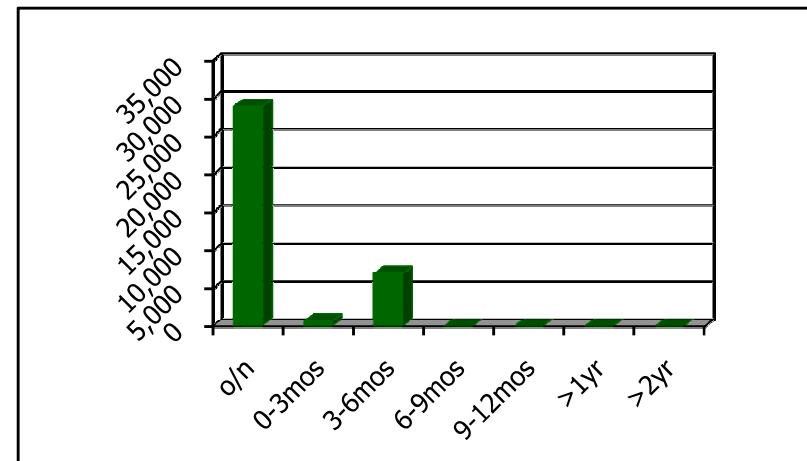
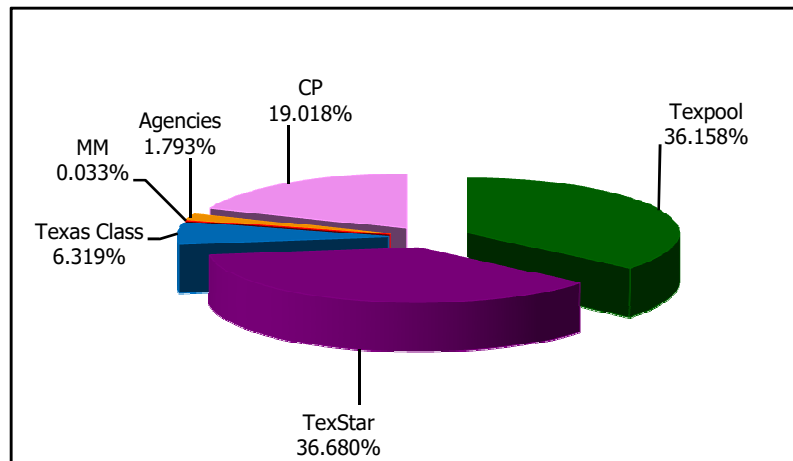
¹ WAM, represents weighted average maturity.

² *Change in Market Value* is required data, but will primarily reflect the receipt and expenditure of the City's funds from quarter to quarter.

Your Portfolio

As of March 31, 2019

- P&A constantly reviews your portfolio for optimal asset allocation and a controlled average maturity because a diversified portfolio can better adjust to volatile market conditions.
- The graphs below show asset allocations by market sector and by maturity. They do reflect our expectation of lower rates from the beginning of the year and the need to use the front end of the curve to sustain any viable rates of the portfolio. The March rate cuts and the corona virus have pushed Treasury rates to extremes as investors race for safety. Extending in the short end is the only harbor and may lock in rates until some normalcy returns.
- The non-cash portion of your portfolio is yielding 1.75%.





**City of Taylor, Texas
Portfolio Management
Portfolio Summary
March 31, 2020**

Patterson & Associates
901 S. MoPac
Suite 195
Austin, TX 78746

Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM 365 Equiv.
Commercial Paper Disc. -Amortizing	7,000,000.00	6,948,747.09	6,948,747.09	19.02	166	142	1.858
Federal Agency Coupon Securities	655,000.00	656,804.10	654,922.24	1.79	546	34	2.889
Texpool	13,211,820.52	13,211,820.52	13,211,820.52	36.16	1	1	1.003
TexStar	13,403,362.86	13,403,362.86	13,403,362.86	36.68	1	1	0.957
Texas Class	2,308,833.62	2,308,833.62	2,308,833.62	6.32	1	1	1.470
Money Market	12,230.26	12,230.26	12,230.26	0.03	1	1	0.010
	36,591,247.26	36,541,798.45	36,539,916.59	100.00%	42	28	1.212

Investments							
Total Earnings	March 31	Month Ending	Fiscal Year To Date				
Current Year		35,324.52	280,273.57				

The following reports are submitted in accordance with the Public Funds Investment Act (Texas Gov't Code 2256). The reports also offer supplemental information not required by the Act in order to fully inform the governing body of the City of Taylor, Texas of the position and activity within the City's portfolio of investment. The reports include a management summary overview, a detailed inventory report for the end of the period, a transaction report, as well as graphic representations of the portfolio to provide full disclosure to the governing body.

Jeffrey Wood, Finance Director



City of Taylor, Texas
Summary by Type
March 31, 2020
Grouped by Fund

Patterson & Associates
901 S. MoPac
Suite 195
Austin, TX 78746
-

Security Type	Number of Investments	Par Value	Book Value	% of Portfolio	Average YTM 365	Average Days to Maturity
Fund: 2019 Bond Fund						
TexStar	1	9,709,982.48	9,709,982.48	26.57	0.957	1
Subtotal	1	9,709,982.48	9,709,982.48	26.57	0.957	1
Fund: 2019 TUF Bond Fund						
Commercial Paper Disc. -Amortizing	1	1,000,000.00	989,675.00	2.71	2.152	177
Subtotal	1	1,000,000.00	989,675.00	2.71	2.152	177
Fund: 2019 Public Utility Fund						
Commercial Paper Disc. -Amortizing	1	1,500,000.00	1,484,050.00	4.06	2.255	174
Subtotal	1	1,500,000.00	1,484,050.00	4.06	2.255	174
Fund: Airport Fund						
Texpool	1	957,937.72	957,937.72	2.62	1.003	1
Subtotal	1	957,937.72	957,937.72	2.62	1.003	1
Fund: Cemetery Permanent Fund						
Federal Agency Coupon Securities	1	375,000.00	374,955.48	1.03	2.889	34
Money Market	1	0.00	0.00	0.00	0.000	0
Texas Class	1	32,733.94	32,733.94	0.09	1.470	1
Texpool	1	58,261.76	58,261.76	0.16	1.003	1
TexStar	1	56,375.00	56,375.00	0.15	0.957	1
Subtotal	5	522,370.70	522,326.18	1.43	2.381	25
Fund: Fleet Replacement Fund						
TexStar	1	579,983.99	579,983.99	1.59	0.957	1
Subtotal	1	579,983.99	579,983.99	1.59	0.957	1
Fund: General Fund						
Commercial Paper Disc. -Amortizing	3	4,500,000.00	4,475,022.09	12.25	1.662	123
Principal	1	0.00	0.00	0.00	0.000	0
Federal Agency Coupon Securities	1	280,000.00	279,966.76	0.77	2.889	34

City of Taylor, Texas
Summary by Type
March 31, 2020
Grouped by Fund

Security Type	Number of Investments	Par Value	Book Value	% of Portfolio	Average YTM 365	Average Days to Maturity
Fund: General Fund						
Money Market	2	12,230.26	12,230.26	0.03	0.010	1
Texas Class	1	1,257,730.39	1,257,730.39	3.44	1.470	1
Texpool	1	9,377,360.21	9,377,360.21	25.66	1.003	1
TexStar	1	3,057,021.39	3,057,021.39	8.37	0.957	1
Subtotal	10	18,484,342.25	18,459,331.10	50.52	1.215	31
Fund: General Capital Fund						
TexStar	1	0.00	0.00	0.00	0.000	0
Subtotal	1	0.00	0.00	0.00	0.000	0
Fund: Special Rev-Tax Increment Fund						
Texpool	1	854,943.12	854,943.12	2.34	1.003	1
Subtotal	1	854,943.12	854,943.12	2.34	1.003	1
Fund: Utility Fund						
Texas Class	1	1,018,369.29	1,018,369.29	2.79	1.470	1
Texpool	1	1,963,317.71	1,963,317.71	5.37	1.003	1
Subtotal	2	2,981,687.00	2,981,687.00	8.16	1.163	1
Total and Average	24	36,591,247.26	36,539,916.59	100.00	1.212	28



City of Taylor, Texas
Fund 19BOND - 2019 Bond Fund
Investments by Fund
March 31, 2020

Patterson & Associates
901 S. MoPac
Suite 195
Austin, TX 78746
-

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
TexStar										
20190	10044	TexStar	04/24/2019	9,709,982.48	9,709,982.48	9,709,982.48	0.957	0.943	0.957	1
Subtotal and Average				9,709,982.48	9,709,982.48	9,709,982.48		0.944	0.957	1
Total Investments and Average				9,709,982.48	9,709,982.48	9,709,982.48		0.944	0.957	1

Fund 19TUF - 2019 TUF Bond Fund
Investments by Fund
March 31, 2020

Page 2

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Commercial Paper Disc. -Amortizing										
30229AJR1	10052	Exxon Mobil CP	03/30/2020	989,675.00	1,000,000.00	989,675.00		2.122	2.151	09/25/2020 177
Subtotal and Average				989,675.00	1,000,000.00	989,675.00		2.122	2.152	177
Total Investments and Average				989,675.00	1,000,000.00	989,675.00		2.122	2.152	177

Fund 19UTIL - 2019 Public Utility Fund
Investments by Fund
March 31, 2020

Page 3

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Commercial Paper Disc. -Amortizing										
71344TJN3	10051	Pepsico CP	03/26/2020	1,484,050.00	1,500,000.00	1,484,050.00		2.224	2.255	09/22/2020 174
Subtotal and Average				1,484,050.00	1,500,000.00	1,484,050.00		2.224	2.255	174
Total Investments and Average				1,484,050.00	1,500,000.00	1,484,050.00		2.224	2.255	174

Fund AIR - Airport Fund
Investments by Fund
March 31, 2020

Page 4

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Texpool										
300019	10007	Texpool	11/01/2017	957,937.72	957,937.72	957,937.72	1.003	0.989	1.003	1
Subtotal and Average				957,937.72	957,937.72	957,937.72		0.990	1.003	1
Total Investments and Average				957,937.72	957,937.72	957,937.72		0.990	1.003	1

Fund CEM - Cemetery Permanent Fund
Investments by Fund
March 31, 2020

Page 5

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Federal Agency Coupon Securities										
3133EJQ51	10036	FFCB Note	11/06/2018	374,955.48	375,000.00	376,032.88	2.760	2.849	2.889	05/05/2020 34
Subtotal and Average				374,955.48	375,000.00	376,032.88		2.850	2.889	34
Texpool										
300007	10008	Texpool	11/01/2017	58,261.76	58,261.76	58,261.76	1.003	0.989	1.003	1
Subtotal and Average				58,261.76	58,261.76	58,261.76		0.990	1.003	1
TexStar										
22880	10003	TexStar	11/01/2017	56,375.00	56,375.00	56,375.00	0.957	0.943	0.957	1
Subtotal and Average				56,375.00	56,375.00	56,375.00		0.944	0.957	1
Texas Class										
70006	10001	Texas Class	11/01/2017	32,733.94	32,733.94	32,733.94	1.470	1.449	1.470	1
Subtotal and Average				32,733.94	32,733.94	32,733.94		1.450	1.470	1
Money Market										
54941	10009	Fidelity Govt Cash Res (FDRXX)	11/01/2017	0.00	0.00	0.00				1
Subtotal and Average				0.00	0.00	0.00		0.000	0.000	0
Total Investments and Average				522,326.18	522,370.70	523,403.58		2.349	2.381	24

Fund FLEET - Fleet Replacement Fund
Investments by Fund
March 31, 2020

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CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
TexStar										
20180	10030	TexStar	08/08/2018	579,983.99	579,983.99	579,983.99	0.957	0.943	0.957	1
Subtotal and Average				579,983.99	579,983.99	579,983.99		0.944	0.957	1
Total Investments and Average				579,983.99	579,983.99	579,983.99		0.944	0.957	1

Fund GEN - General Fund
Investments by Fund
March 31, 2020

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CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Date	Days To Maturity
Commercial Paper Disc. -Amortizing											
06742VCR0	10049	Barclays Bank CP	03/16/2020	1,494,018.75	1,500,000.00	1,494,018.75		1.456	1.476	07/09/2020	99
16536HGE5	10046	Chesham Finance CP	01/16/2020	1,492,070.00	1,500,000.00	1,492,070.00		1.846	1.872	07/14/2020	104
19121AJE2	10050	Coca Cola CP	03/19/2020	1,488,933.34	1,500,000.00	1,488,933.34		1.612	1.635	09/14/2020	166
Subtotal and Average				4,475,022.09	4,500,000.00	4,475,022.09		1.639	1.662		122
Federal Agency Coupon Securities											
3133EJQ51	10037	FFCB Note	11/06/2018	279,966.76	280,000.00	280,771.22	2.760	2.849	2.889	05/05/2020	34
Subtotal and Average				279,966.76	280,000.00	280,771.22		2.850	2.889		34
Texpool											
300003	10004	Texpool	11/01/2017	9,377,360.21	9,377,360.21	9,377,360.21	1.003	0.989	1.003		1
Subtotal and Average				9,377,360.21	9,377,360.21	9,377,360.21		0.990	1.003		1
TexStar											
34440	10002	TexStar	11/01/2017	3,057,021.39	3,057,021.39	3,057,021.39	0.957	0.943	0.957		1
Subtotal and Average				3,057,021.39	3,057,021.39	3,057,021.39		0.944	0.957		1
Texas Class											
70008	10048	Texas Class	01/22/2020	1,257,730.39	1,257,730.39	1,257,730.39	1.470	1.449	1.470		1
Subtotal and Average				1,257,730.39	1,257,730.39	1,257,730.39		1.450	1.470		1
Money Market											
60618	10000	Citizens Nat'l Bank MM-Public	11/01/2017	12,230.26	12,230.26	12,230.26	0.010	0.009	0.010		1
54942	10010	Fidelity Govt Cash Res (FDRXX)	11/01/2017	0.00	0.00	0.00					1
Subtotal and Average				12,230.26	12,230.26	12,230.26		0.010	0.010		1
Principal											
54942A	10040	Cash	01/02/2019	0.00	0.00	0.00					1
Subtotal and Average				0.00	0.00	0.00		0.000	0.000		0
Total Investments and Average				18,459,331.10	18,484,342.25	18,460,135.56		1.198	1.215		31

Fund GENCAP - General Capital Fund
Investments by Fund
March 31, 2020

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CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
TexStar										
20181	10029	TexStar	08/08/2018	0.00	0.00	0.00	2.307	2.275	2.306	1
Subtotal and Average				0.00	0.00	0.00		0.000	0.000	0
Total Investments and Average				0.00	0.00	0.00		0.000	0.000	0

Fund SPECREV - Special Rev-Tax Increment Fund
Investments by Fund
March 31, 2020

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CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Texpool										
300004	10005	Texpool	11/01/2017	854,943.12	854,943.12	854,943.12	1.003	0.989	1.003	1
Subtotal and Average				854,943.12	854,943.12	854,943.12		0.990	1.003	1
Total Investments and Average				854,943.12	854,943.12	854,943.12		0.990	1.003	1

Fund UTIL - Utility Fund
Investments by Fund
March 31, 2020

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CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Texpool										
300001	10006	Texpool	11/01/2017	1,963,317.71	1,963,317.71	1,963,317.71	1.003	0.989	1.003	1
Subtotal and Average				1,963,317.71	1,963,317.71	1,963,317.71		0.990	1.003	1
Texas Class										
70007	10047	Texas Class	01/22/2020	1,018,369.29	1,018,369.29	1,018,369.29	1.470	1.449	1.470	1
Subtotal and Average				1,018,369.29	1,018,369.29	1,018,369.29		1.450	1.470	1
Total Investments and Average				2,981,687.00	2,981,687.00	2,981,687.00		1.147	1.163	1



INVESTMENT PROFESSIONALS

City of Taylor, Texas
Cash Reconciliation Report
For the Period January 1, 2020 - March 31, 2020
Grouped by Fund

Patterson & Associates
 901 S. MoPac
 Suite 195
 Austin, TX 78746
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Trans. Date	Investment #	Fund	Trans. Type	Security ID	Par Value	Security Description	Maturity Date	Purchases	Interest	Redemptions	Cash
2019 TUF Bond Fund											
03/30/2020	10052	19TUF	Purchase	30229AJR1	1,000,000.00	EXXON 1.0M 0.00% Mat. 09/25/2020	09/25/2020	-989,558.33	0.00	0.00	-989,558.33
Subtotal								-989,558.33	0.00	0.00	-989,558.33
2019 Public Utility Fund											
03/26/2020	10051	19UTIL	Purchase	71344TJN3	1,500,000.00	PEPSI 1.5M 0.00% Mat. 09/22/2020	09/22/2020	-1,483,500.00	0.00	0.00	-1,483,500.00
Subtotal								-1,483,500.00	0.00	0.00	-1,483,500.00
Cemetery Permanent Fund											
03/02/2020	10032	CEM	Interest	912828J50	375,000.00	TNOTE 0.4M 1.38% Mat. 02/29/2020	02/29/2020	0.00	2,578.13	0.00	2,578.13
03/02/2020	10032	CEM	Maturity	912828J50	375,000.00	TNOTE 0.4M 1.38% Mat. 02/29/2020	02/29/2020	0.00	0.00	375,000.00	375,000.00
Subtotal								0.00	2,578.13	375,000.00	377,578.13
General Fund											
01/16/2020	10046	GEN	Purchase	16536HGE5	1,500,000.00	CHESH 1.5M 0.00% Mat. 07/14/2020	07/14/2020	-1,486,275.00	0.00	0.00	-1,486,275.00
02/11/2020	10045	GEN	Maturity	06742QY97	1,000,000.00	BARCBK 1.0M 0.00% Mat.	02/11/2020	0.00	0.00	1,000,000.00	1,000,000.00
03/02/2020	10031	GEN	Interest	912828J50	400,000.00	TNOTE 0.4M 1.38% Mat. 02/29/2020	02/29/2020	0.00	2,750.00	0.00	2,750.00
03/02/2020	10031	GEN	Maturity	912828J50	400,000.00	TNOTE 0.4M 1.38% Mat. 02/29/2020	02/29/2020	0.00	0.00	400,000.00	400,000.00
03/13/2020	10041	GEN	Interest	3133XXP50	1,000,000.00	FHLB 1.0M 4.13% Mat. 03/13/2020	03/13/2020	0.00	20,625.00	0.00	20,625.00
03/13/2020	10041	GEN	Maturity	3133XXP50	1,000,000.00	FHLB 1.0M 4.13% Mat. 03/13/2020	03/13/2020	0.00	0.00	1,000,000.00	1,000,000.00
03/16/2020	10049	GEN	Purchase	06742VCR0	1,500,000.00	BARCBK 1.5M 0.00% Mat.	07/09/2020	-1,493,052.08	0.00	0.00	-1,493,052.08
03/19/2020	10050	GEN	Purchase	19121AJE2	1,500,000.00	COCA 1.5M 0.00% Mat. 09/14/2020	09/14/2020	-1,488,066.67	0.00	0.00	-1,488,066.67
Subtotal								-4,467,393.75	23,375.00	2,400,000.00	-2,044,018.75
Total								-6,940,452.08	25,953.13	2,775,000.00	-4,139,498.95

Portfolio TAYL

AP



City of Taylor, Texas
Purchases Report
Sorted by Fund - Fund
January 1, 2020 - March 31, 2020

Patterson & Associates
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CUSIP	Investment #	Fund	Sec. Type	Issuer	Original Par Value	Purchase Date	Payment Periods	Principal Purchased	Accrued Interest at Purchase	Rate at Purchase	Maturity Date	YTM	Ending Book Value
2019 TUF Bond Fund													
30229AJR1	10052	19TUF	ACP	EXXON	1,000,000.00	03/30/2020	09/25 - At Maturity	989,558.33			09/25/2020	2.122	989,675.00
				Subtotal	1,000,000.00			989,558.33	0.00				989,675.00
2019 Public Utility Fund													
71344TJN3	10051	19UTIL	ACP	PEPSI	1,500,000.00	03/26/2020	09/22 - At Maturity	1,483,500.00			09/22/2020	2.224	1,484,050.00
				Subtotal	1,500,000.00			1,483,500.00	0.00				1,484,050.00
General Fund													
16536HGE5	10046	GEN	ACP	CHESH	1,500,000.00	01/16/2020	07/14 - At Maturity	1,486,275.00			07/14/2020	1.847	1,492,070.00
70008	10048	GEN	RR3	TXCLSS	500,000.00	01/22/2020	/ - Monthly	500,000.00		1.850		1.850	1,257,730.39
06742VCR0	10049	GEN	ACP	BARCBK	1,500,000.00	03/16/2020	07/09 - At Maturity	1,493,052.08			07/09/2020	1.457	1,494,018.75
19121AJE2	10050	GEN	ACP	COCA	1,500,000.00	03/19/2020	09/14 - At Maturity	1,488,066.67			09/14/2020	1.613	1,488,933.34
				Subtotal	5,000,000.00			4,967,393.75	0.00				5,732,752.48
Utility Fund													
70007	10047	UTIL	RR3	TXCLSS	515,834.73	01/22/2020	/ - Monthly	515,834.73		1.850		1.850	1,018,369.29
				Subtotal	515,834.73			515,834.73	0.00				1,018,369.29
Total Purchases					8,015,834.73			7,956,286.81	0.00				9,224,846.77



City of Taylor, Texas
Maturity Report
Sorted by Maturity Date
Receipts during January 1, 2020 - March 31, 2020

Patterson & Associates
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Austin, TX 78746
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CUSIP	Investment #	Fund	Sec. Type	Issuer	Par Value	Maturity Date	Purchase Date	Rate at Maturity	Book Value at Maturity	Interest	Maturity Proceeds	Net Income
06742QY97	10045	GEN	ACP	BARCBK	1,000,000.00	02/11/2020	08/15/2019		1,000,000.00	0.00	1,000,000.00	0.00
912828J50	10031	GEN	TRC	TNOTE	400,000.00	02/29/2020	09/21/2018	1.375	400,000.00	2,750.00	402,750.00	2,750.00
912828J50	10032	CEM	TRC	TNOTE	375,000.00	02/29/2020	09/21/2018	1.375	375,000.00	2,578.13	377,578.13	2,578.13
3133XXP50	10041	GEN	FAC	FHLB	1,000,000.00	03/13/2020	03/22/2019	4.125	1,000,000.00	20,625.00	1,020,625.00	20,625.00
Total Maturities					2,775,000.00				2,775,000.00	25,953.13	2,800,953.13	25,953.13



City of Taylor, Texas
Interest Earnings
Sorted by Fund - Fund
January 1, 2020 - March 31, 2020
Yield on Average Book Value

Patterson & Associates
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Suite 195
Austin, TX 78746
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										Adjusted Interest Earnings		
CUSIP	Investment #	Fund	Security Type	Ending Par Value	Beginning Book Value	Average Book Value	Maturity Date	Current Rate	Annualized Yield	Interest Earned	Amortization/ Accretion	Adjusted Interest Earnings
Fund: 2019 Bond Fund												
20190	10044	19BOND	RR2	9,709,982.48	13,490,343.27	12,746,744.71		0.957	1.373	43,637.46	0.00	43,637.46
			Subtotal	9,709,982.48	13,490,343.27	12,746,744.71			1.373	43,637.46	0.00	43,637.46
Fund: 2019 TUF Bond Fund												
30229AJR1	10052	19TUF	ACP	1,000,000.00	0.00	21,750.46	09/25/2020		2.152	0.00	116.67	116.67
			Subtotal	1,000,000.00	0.00	21,750.46			2.152	0.00	116.67	116.67
Fund: 2019 Public Utility Fund												
71344TJN3	10051	19UTIL	ACP	1,500,000.00	0.00	97,834.34	09/22/2020		2.255	0.00	550.00	550.00
			Subtotal	1,500,000.00	0.00	97,834.34			2.255	0.00	550.00	550.00
Fund: Airport Fund												
300019	10007	AIR	RRP	957,937.72	1,019,225.47	1,007,936.86		1.003	1.399	3,514.40	0.00	3,514.40
			Subtotal	957,937.72	1,019,225.47	1,007,936.86			1.399	3,514.40	0.00	3,514.40
Fund: Cemetery Permanent Fund												
3133EJQ51	10036	CEM	FAC	375,000.00	374,837.64	374,897.44	05/05/2020	2.760	2.894	2,587.50	117.84	2,705.34
912828J50	10032	CEM	TRC	0.00	374,191.61	242,874.25	02/29/2020	1.375	2.715	835.77	808.39	1,644.16
300007	10008	CEM	RRP	58,261.76	58,060.18	58,140.01		1.003	1.391	201.58	0.00	201.58
70006	10001	CEM	RR3	32,733.94	32,596.09	32,647.59		1.470	1.694	137.85	0.00	137.85
22880	10003	CEM	RR2	56,375.00	56,185.31	56,260.78		0.957	1.352	189.69	0.00	189.69
			Subtotal	522,370.70	895,870.83	764,820.06			2.559	3,952.39	926.23	4,878.62
Fund: Fleet Replacement Fund												
20180	10030	FLEET	RR2	579,983.99	1,360,862.57	706,524.14		0.957	1.388	2,444.77	0.00	2,444.77
			Subtotal	579,983.99	1,360,862.57	706,524.14			1.388	2,444.77	0.00	2,444.77
Fund: General Fund												
3133EJQ51	10037	GEN	FAC	280,000.00	279,878.77	279,923.42	05/05/2020	2.760	2.894	1,932.00	87.99	2,019.99
3133XXP50	10041	GEN	FAC	0.00	1,003,175.38	792,461.59	03/13/2020	4.125	2.568	8,250.00	-3,175.38	5,074.62
912828J50	10031	GEN	TRC	0.00	399,137.71	259,065.86	02/29/2020	1.375	2.715	891.48	862.29	1,753.77

City of Taylor, Texas
Interest Earnings
January 1, 2020 - March 31, 2020

										Adjusted Interest Earnings		
CUSIP	Investment #	Fund	Security Type	Ending Par Value	Beginning Book Value	Average Book Value	Maturity Date	Current Rate	Annualized Yield	Interest Earned	Amortization/ Accretion	Adjusted Interest Earnings
Fund: General Fund												
300003	10004	GEN	RRP	9,377,360.21	9,718,804.86	10,344,125.17		1.003	1.396	36,008.49	0.00	36,008.49
70008	10048	GEN	RR3	1,257,730.39	0.00	692,111.34		1.470	1.582	2,730.39	0.00	2,730.39
60618	10000	GEN	RR4	12,230.26	12,229.96	12,230.06		0.010	0.010	0.30	0.00	0.30
34440	10002	GEN	RR2	3,057,021.39	3,094,900.06	3,075,889.01		0.957	1.354	10,383.43	0.00	10,383.43
16536HGE5	10046	GEN	ACP	1,500,000.00	0.00	1,243,736.35	07/14/2020		1.869	0.00	5,795.00	5,795.00
06742VCR0	10049	GEN	ACP	1,500,000.00	0.00	262,604.94	07/09/2020		1.476	0.00	966.67	966.67
06742QY97	10045	GEN	ACP	0.00	997,574.17	450,016.30	02/11/2020		2.162	0.00	2,425.83	2,425.83
19121AJE2	10050	GEN	ACP	1,500,000.00	0.00	212,647.62	09/14/2020		1.635	0.00	866.67	866.67
Subtotal				18,484,342.25	15,505,700.91	17,624,811.68			1.548	60,196.09	7,829.07	68,025.16
Fund: Special Rev-Tax Increment Fund												
300004	10005	SPECREV	RRP	854,943.12	687,027.43	691,610.05		1.003	1.387	2,390.78	0.00	2,390.78
Subtotal				854,943.12	687,027.43	691,610.05			1.387	2,390.78	0.00	2,390.78
Fund: Utility Fund												
300001	10006	UTIL	RRP	1,963,317.71	1,933,626.40	1,953,755.28		1.003	1.390	6,772.51	0.00	6,772.51
70007	10047	UTIL	RR3	1,018,369.29	0.00	633,613.53		1.470	1.604	2,534.56	0.00	2,534.56
Subtotal				2,981,687.00	1,933,626.40	2,587,368.81			1.443	9,307.07	0.00	9,307.07
Total				36,591,247.26	34,892,656.88	36,249,401.12			1.492	125,442.96	9,421.97	134,864.93

City of Taylor, Texas
Amortization Schedule
January 1, 2020 - March 31, 2020
Sorted By Fund - Fund

Patterson & Associates
 901 S. MoPac
 Suite 195
 Austin, TX 78746
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Investment #	Maturity Date	Beginning Par Value				Amounts Amortized				
Issuer	Fund	Amort. Date	Current Rate	Purchase Principal	Original Premium or Discount	Ending Book Value	And Unamortized As of 01/01/2020	Amount Amortized This Period	Amt Amortized Through 03/31/2020	Amount Unamortized Through 03/31/2020
2019 TUF Bond Fund										
10052 Exxon Mobil CP	19TUF	09/25/2020	1,000,000.00	989,558.33	-10,441.67	989,675.00	0.00 -10,441.67	116.67	116.67	-10,325.00
			Subtotal	989,558.33	-10,441.67	989,675.00	0.00 -10,441.67	116.67	116.67	-10,325.00
2019 Public Utility Fund										
10051 Pepsico CP	19UTIL	09/22/2020	1,500,000.00	1,483,500.00	-16,500.00	1,484,050.00	0.00 -16,500.00	550.00	550.00	-15,950.00
			Subtotal	1,483,500.00	-16,500.00	1,484,050.00	0.00 -16,500.00	550.00	550.00	-15,950.00
Cemetery Permanent Fund										
10036 FFCB Note	CEM	05/05/2020	375,000.00 2.760	374,294.25	-705.75	374,955.48	543.39 -162.36	117.84	661.23	-44.52
10032 T Note	CEM	02/29/2020	375,000.00 1.375	367,792.97	-7,207.03	0.00	6,398.64 -808.39	808.39	7,207.03	0.00
			Subtotal	742,087.22	-7,912.78	374,955.48	6,942.03 -970.75	926.23	7,868.26	-44.52
General Fund										
10045 Barclays Bank CP	GEN	02/11/2020	1,000,000.00	989,350.00	-10,650.00	0.00	8,224.17 -2,425.83	2,425.83	10,650.00	0.00
10049 Barclays Bank CP	GEN	07/09/2020	1,500,000.00	1,493,052.08	-6,947.92	1,494,018.75	0.00 -6,947.92	966.67	966.67	-5,981.25
10046 Chesham Finance CP	GEN	07/14/2020	1,500,000.00	1,486,275.00	-13,725.00	1,492,070.00	0.00 -13,725.00	5,795.00	5,795.00	-7,930.00
10050 Coca Cola CP	GEN	09/14/2020	1,500,000.00	1,488,066.67	-11,933.33	1,488,933.34	0.00 -11,933.33	866.67	866.67	-11,066.66
10037 FFCB Note	GEN	05/05/2020	280,000.00 2.760	279,473.04	-526.96	279,966.76	405.73 -121.23	87.99	493.72	-33.24
10041 FHLB Note	GEN	03/13/2020	1,000,000.00 4.125	1,015,480.00	15,480.00	0.00	-12,304.62 3,175.38	-3,175.38	-15,480.00	0.00
10031 T Note	GEN	02/29/2020	400,000.00 1.375	392,312.50	-7,687.50	0.00	6,825.21 -862.29	862.29	7,687.50	0.00
			Subtotal	7,144,009.29	-35,990.71	4,754,988.85	3,150.49 -32,840.22	7,829.07	10,979.56	-25,011.15

City of Taylor, Texas
Amortization Schedule
January 1, 2020 - March 31, 2020

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Investment #		Maturity Date	Beginning Par Value				Amounts Amortized			
Issuer	Fund	Amort. Date	Current Rate	Purchase Principal	Original Premium or Discount	Ending Book Value	And Unamortized As of 01/01/2020	Amount Amortized This Period	Amt Amortized Through 03/31/2020	Amount Unamortized Through 03/31/2020
			Total	10,359,154.84	-70,845.16	7,603,669.33	10,092.52 -60,752.64	9,421.97	19,514.49	-51,330.67

Portfolio TAYL

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AS (PRF_ASW) 7.2.1
Report Ver. 7.3.6.1



City of Taylor, Texas
Projected Cashflow Report
Sorted by Monthly
For the Period April 1, 2020 - October 31, 2020

Patterson & Associates
 901 S. MoPac
 Suite 195
 Austin, TX 78746
 -

Projected Trans. Date	Investment #	Fund	Security ID	Transaction Type	Issuer	Par Value	Original Cost	Principal	Interest	Total
May 2020										
05/05/2020	10036	CEM	3133EJQ51	Maturity	FFCB Note	375,000.00	374,294.25	375,000.00	5,175.00	380,175.00
05/05/2020	10037	GEN	3133EJQ51	Maturity	FFCB Note	280,000.00	279,473.04	280,000.00	3,864.00	283,864.00
Total for May 2020						655,000.00	653,767.29	655,000.00	9,039.00	664,039.00
July 2020										
07/09/2020	10049	GEN	06742VCR0	Maturity	Barclays Bank CP	1,500,000.00	1,493,052.08	1,500,000.00	0.00	1,500,000.00
07/14/2020	10046	GEN	16536HGE5	Maturity	Chesham Finance CP	1,500,000.00	1,486,275.00	1,500,000.00	0.00	1,500,000.00
Total for July 2020						3,000,000.00	2,979,327.08	3,000,000.00	0.00	3,000,000.00
September 2020										
09/14/2020	10050	GEN	19121AJE2	Maturity	Coca Cola CP	1,500,000.00	1,488,066.67	1,500,000.00	0.00	1,500,000.00
09/22/2020	10051	19UTIL	71344TJN3	Maturity	Pepsico CP	1,500,000.00	1,483,500.00	1,500,000.00	0.00	1,500,000.00
09/25/2020	10052	19TUF	30229AJR1	Maturity	Exxon Mobil CP	1,000,000.00	989,558.33	1,000,000.00	0.00	1,000,000.00
Total for September 2020						4,000,000.00	3,961,125.00	4,000,000.00	0.00	4,000,000.00
GRAND TOTALS:						7,655,000.00	7,594,219.37	7,655,000.00	9,039.00	7,664,039.00



City of Taylor, Texas
Texas Compliance Change in Val Report
Sorted by Fund
January 1, 2020 - March 31, 2020

Patterson & Associates
901 S. MoPac
Suite 195
Austin, TX 78746
-

Inv #	Issuer	Fund	Purch Date	Interest Accrual	Beginning Book Value				Ending Book Value
Cusip	Par Value	YTM	Mat Date	Interest Received	Beginning Market Value	Purchases/ Additions	Redemptions	Change in Value	Ending Market Value
Fund: 2019 Bond Fund									
10044	TXSTAR	19BOND	04/24/2019	43,637.46	13,490,343.27	43,637.46	3,823,998.25	-3,780,360.79	9,709,982.48
20190	9,709,982.48	0.957	/ /	43,637.46	13,490,343.27	43,637.46	3,823,998.25	-3,780,360.79	9,709,982.48
Sub Totals For: Fund: 2019 Bond Fund				43,637.46	13,490,343.27	43,637.46	3,823,998.25	-3,780,360.79	9,709,982.48
				43,637.46	13,490,343.27	43,637.46	3,823,998.25	-3,780,360.79	9,709,982.48
Fund: 2019 TUF Bond Fund									
10052	EXXON	19TUF	03/30/2020	0.00	0.00	989,558.33	0.00	989,675.00	989,675.00
30229AJR1	1,000,000.00	2.122	09/25/2020	0.00	0.00	989,558.33	0.00	989,675.00	989,675.00
Sub Totals For: Fund: 2019 TUF Bond Fund				0.00	0.00	989,558.33	0.00	989,675.00	989,675.00
				0.00	0.00	989,558.33	0.00	989,675.00	989,675.00
Fund: 2019 Public Utility									
10051	PEPSI	19UTIL	03/26/2020	0.00	0.00	1,483,500.00	0.00	1,484,050.00	1,484,050.00
71344TJN3	1,500,000.00	2.224	09/22/2020	0.00	0.00	1,483,500.00	0.00	1,484,050.00	1,484,050.00
Sub Totals For: Fund: 2019 Public Utility				0.00	0.00	1,483,500.00	0.00	1,484,050.00	1,484,050.00
				0.00	0.00	1,483,500.00	0.00	1,484,050.00	1,484,050.00
Fund: Airport Fund									
10007	TXPOOL	AIR	11/01/2017	3,514.40	1,019,225.47	3,514.40	64,802.15	-61,287.75	957,937.72
300019	957,937.72	1.003	/ /	3,514.40	1,019,225.47	3,514.40	64,802.15	-61,287.75	957,937.72
Sub Totals For: Fund: Airport Fund				3,514.40	1,019,225.47	3,514.40	64,802.15	-61,287.75	957,937.72
				3,514.40	1,019,225.47	3,514.40	64,802.15	-61,287.75	957,937.72
Fund: Cemetery Permanent F									
10001	TXCLSS	CEM	11/01/2017	137.85	32,596.09	137.85	0.00	137.85	32,733.94
70006	32,733.94	1.470	/ /	137.85	32,596.09	137.85	0.00	137.85	32,733.94

City of Taylor, Texas
Texas Compliance Change in Val Report
January 1, 2020 - March 31, 2020

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Inv #	Issuer	Fund	Purch Date	Interest Accrual	Beginning Book Value				Ending Book Value
Cusip	Par Value	YTM	Mat Date	Interest Received	Beginning Market Value	Purchases/ Additions	Redemptions	Change in Value	Ending Market Value
10003	TXSTAR	CEM	11/01/2017	189.69	56,185.31	189.69	0.00	189.69	56,375.00
22880	56,375.00	0.957	/ /	189.69	56,185.31	189.69	0.00	189.69	56,375.00
10008	TXPOOL	CEM	11/01/2017	201.58	58,060.18	201.58	0.00	201.58	58,261.76
300007	58,261.76	1.003	/ /	201.58	58,060.18	201.58	0.00	201.58	58,261.76
10009	FID	CEM	11/01/2017	0.00	0.00	0.00	0.00	0.00	0.00
54941	0.00	0.000	/ /	0.00	0.00	0.00	0.00	0.00	0.00
10032	TNOTE	CEM	09/21/2018	835.77	374,191.61	0.00	375,000.00	-374,191.61	0.00
912828J50	0.00	0.000	02/29/2020	2,578.13	374,825.63	0.00	375,000.00	-374,825.63	0.00
10036	FFCB	CEM	11/06/2018	2,587.50	374,837.64	0.00	0.00	117.84	374,955.48
3133EJQ51	375,000.00	2.889	05/05/2020	0.00	376,584.77	0.00	0.00	-551.89	376,032.88
Sub Totals For: Fund: Cemetery Permanent F				3,952.39	895,870.83	529.12	375,000.00	-373,544.65	522,326.18
				3,107.25	898,251.98	529.12	375,000.00	-374,848.40	523,403.58
Fund: Fleet Replacement Fu									
10030	TXSTAR	FLEET	08/08/2018	2,444.77	1,360,862.57	2,444.77	783,323.35	-780,878.58	579,983.99
20180	579,983.99	0.957	/ /	2,444.77	1,360,862.57	2,444.77	783,323.35	-780,878.58	579,983.99
Sub Totals For: Fund: Fleet Replacement Fu				2,444.77	1,360,862.57	2,444.77	783,323.35	-780,878.58	579,983.99
				2,444.77	1,360,862.57	2,444.77	783,323.35	-780,878.58	579,983.99
Fund: General Fund									
10000	CNB	GEN	11/01/2017	0.30	12,229.96	0.30	0.00	0.30	12,230.26
60618	12,230.26	0.010	/ /	0.30	12,229.96	0.30	0.00	0.30	12,230.26
10002	TXSTAR	GEN	11/01/2017	10,383.43	3,094,900.06	10,383.43	48,262.10	-37,878.67	3,057,021.39
34440	3,057,021.39	0.957	/ /	10,383.43	3,094,900.06	10,383.43	48,262.10	-37,878.67	3,057,021.39
10004	TXPOOL	GEN	11/01/2017	36,008.49	9,718,804.86	7,975,994.34	8,317,438.99	-341,444.65	9,377,360.21
300003	9,377,360.21	1.003	/ /	36,008.49	9,718,804.86	7,975,994.34	8,317,438.99	-341,444.65	9,377,360.21
10010	FID	GEN	11/01/2017	0.00	0.00	0.00	0.00	0.00	0.00
54942	0.00	0.000	/ /	0.00	0.00	0.00	0.00	0.00	0.00

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Inv #	Issuer	Fund	Purch Date	Interest Accrual	Beginning Book Value				Ending Book Value
Cusip	Par Value	YTM	Mat Date	Interest Received	Beginning Market Value	Purchases/ Additions	Redemptions	Change in Value	Ending Market Value
10031	TNOTE	GEN	09/21/2018	891.48	399,137.71	0.00	400,000.00	-399,137.71	0.00
912828J50	0.00	0.000	02/29/2020	2,750.00	399,814.00	0.00	400,000.00	-399,814.00	0.00
10037	FFCB	GEN	11/06/2018	1,932.00	279,878.77	0.00	0.00	87.99	279,966.76
3133EJQ51	280,000.00	2.889	05/05/2020	0.00	281,183.30	0.00	0.00	-412.08	280,771.22
10040	CASH	GEN	01/02/2019	0.00	0.00	0.00	0.00	0.00	0.00
54942A	0.00	0.000	/ /	0.00	0.00	0.00	0.00	0.00	0.00
10041	FHLB	GEN	03/22/2019	8,250.00	1,003,175.38	0.00	1,000,000.00	-1,003,175.38	0.00
3133XXP50	0.00	0.000	03/13/2020	20,625.00	1,004,761.17	0.00	1,000,000.00	-1,004,761.17	0.00
10045	BARCBK	GEN	08/15/2019	0.00	997,574.17	0.00	1,000,000.00	-997,574.17	0.00
06742QY97	0.00	0.000	02/11/2020	0.00	997,574.17	0.00	1,000,000.00	-997,574.17	0.00
10046	CHESH	GEN	01/16/2020	0.00	0.00	1,486,275.00	0.00	1,492,070.00	1,492,070.00
16536HGE5	1,500,000.00	1.846	07/14/2020	0.00	0.00	1,486,275.00	0.00	1,492,070.00	1,492,070.00
10048	TXCLSS	GEN	01/22/2020	2,730.39	0.00	1,257,730.39	0.00	1,257,730.39	1,257,730.39
70008	1,257,730.39	1.470	/ /	2,730.39	0.00	1,257,730.39	0.00	1,257,730.39	1,257,730.39
10049	BARCBK	GEN	03/16/2020	0.00	0.00	1,493,052.08	0.00	1,494,018.75	1,494,018.75
06742VCR0	1,500,000.00	1.456	07/09/2020	0.00	0.00	1,493,052.08	0.00	1,494,018.75	1,494,018.75
10050	COCA	GEN	03/19/2020	0.00	0.00	1,488,066.67	0.00	1,488,933.34	1,488,933.34
19121AJE2	1,500,000.00	1.612	09/14/2020	0.00	0.00	1,488,066.67	0.00	1,488,933.34	1,488,933.34
Sub Totals For: Fund: General Fund				60,196.09	15,505,700.91	13,711,502.21	10,765,701.09	2,953,630.19	18,459,331.10
				72,497.61	15,509,267.52	13,711,502.21	10,765,701.09	2,950,868.04	18,460,135.56
Fund: General Capital Fund									
10029	TXSTAR	GENCAP	08/08/2018	0.00	0.00	0.00	0.00	0.00	0.00
20181	0.00	0.000	/ /	0.00	0.00	0.00	0.00	0.00	0.00
Sub Totals For: Fund: General Capital Fund				0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00	0.00	0.00	0.00	0.00
Fund: Special Rev-Tax Incr									

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City of Taylor, Texas
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Inv #	Issuer	Fund	Purch Date	Interest Accrual	Beginning Book Value				Ending Book Value
Cusip	Par Value	YTM	Mat Date	Interest Received	Beginning Market Value	Purchases/ Additions	Redemptions	Change in Value	Ending Market Value
10005	TXPOOL	SPECREV	11/01/2017	2,390.78	687,027.43	167,915.69	0.00	167,915.69	854,943.12
300004	854,943.12	1.003	/ /	2,390.78	687,027.43	167,915.69	0.00	167,915.69	854,943.12
Sub Totals For: Fund: Special Rev-Tax Incr				2,390.78	687,027.43	167,915.69	0.00	167,915.69	854,943.12
				2,390.78	687,027.43	167,915.69	0.00	167,915.69	854,943.12
Fund: Utility Fund									
10006	TXPOOL	UTIL	11/01/2017	6,772.51	1,933,626.40	41,778.76	12,087.45	29,691.31	1,963,317.71
300001	1,963,317.71	1.003	/ /	6,772.51	1,933,626.40	41,778.76	12,087.45	29,691.31	1,963,317.71
10047	TXCLSS	UTIL	01/22/2020	2,534.56	0.00	1,018,369.29	0.00	1,018,369.29	1,018,369.29
70007	1,018,369.29	1.470	/ /	2,534.56	0.00	1,018,369.29	0.00	1,018,369.29	1,018,369.29
Sub Totals For: Fund: Utility Fund				9,307.07	1,933,626.40	1,060,148.05	12,087.45	1,048,060.60	2,981,687.00
				9,307.07	1,933,626.40	1,060,148.05	12,087.45	1,048,060.60	2,981,687.00
Report Grand Totals:				125,442.96	34,892,656.88	17,462,750.03	15,824,912.29	1,647,259.71	36,539,916.59
				136,899.34	34,898,604.64	17,462,750.03	15,824,912.29	1,643,193.81	36,541,798.45

Portfolio TAYL

TC (PRF_TC) 7.0
Report Ver. 7.3.6.1



City Council Meeting May 14, 2020 Transmittal Letter

STRATEGIC PILLAR

- ☒ Streets/Infrastructure
- ☐ Quality of Life
- ☐ Economic Vitality

Agenda Item #: 3
Agenda Title: Consider Ordinance 2020-03, adding the standard design details to the Engineering Manual.

Council Action to be taken: Consider Ordinance

Department Submitted: Development Services/Public Works

Staff Contact: Tom Yantis/Jacob Walker

1. PURPOSE/DESCRIPTION

The purpose of this agenda item is to amend the City ordinance 2019-32 to include the City of Taylor's Standard Construction Details alongside the updated ordinance from December 2019.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

In December 2019, City Council amended the Subdivision Ordinance to update the drainage section of the Engineering Manual. The ordinance replaced the old manual in its entirety with the new manual, but the original standard construction details were not included in the update manual. This update is to ensure the standard construction details are added back in as part of the Engineering Manual.

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>
The standard construction details still apply and serve specific construction and design applications to the City and developers.	none

4. RECOMMENDATION

Consider Ordinance

5. FUNDING SOURCE

N/A

6. TIMELINE

N/A

7. OTHER OPTIONS (In order of preference)
--

N/A

8. ATTACHMENTS

3a. [Updated Engineering Manual with Standard Construction Details](#)

3b. [Exhibit A](#)

ORDINANCE NO. 2020-03

THIS ORDINANCE AMENDS ORDINANCE NO. 2009-37 AND ORDINANCE NO. 2019-32 WHEREIN AN ENGINEERING MANUAL WAS ESTABLISHED AND SUBSEQUENTLY AMENDED FOR MINIMUM STANDARDS AND CONSTRUCTION DETAILS FOR ALL PUBLIC FACILITY IMPROVEMENTS, WITH STANDARD DETAILS FOR EACH TYPE OF IMPROVEMENT; AND THIS ORDINANCE ESTABLISHES A REVISED ENGINEERING MANUAL FOR THE PURPOSES SET FORTH IN THE REVISED ENGINEERING MANUAL ATTACHED HERETO AND INCORPORATED INTO THIS ORDINANCE; PROVIDING AN EFFECTIVE DATE; PROVIDING A PENALTY CLAUSE; PROVIDING A REPEALER CLAUSE; AND PROVIDING A SAVINGS CLAUSE.

WHEREAS, the City Council of the City of Taylor desires to amend the Engineering Manual establishing new standards and construction details for all public facility improvements, with standard details for each type of improvement; and

WHEREAS, any reference to the Engineering Manual shall be a reference to the Engineering Manual attached hereto and incorporated by reference herein for all purposes;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF TAYLOR, TEXAS, that:

SECTION 1. All of the facts recited in the preamble to this Ordinance are hereby found by the City Council to be true and correct and are incorporated by reference herein and expressly made a part hereof, as if copied herein verbatim.

SECTION 2. The City Council hereby modifies and amends the Engineering Manual as previously adopted in Ordinance 2009-37 and subsequently amended in Ordinance 2019-32 to the Engineering Manual now set forth in Exhibit "A" attached hereto and incorporated in this Ordinance as though fully transcribed herein for all purposes.

SECTION 3. Prior ordinances of the City or the Taylor City Code dealing with or applicable to the Engineering Manual are hereby amended to the extent of any conflict herewith, and all ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance as adopted and amended herein, are hereby amended to the extent of such conflict. In the event of a conflict or inconsistency between

this Ordinance and any code or ordinance of the City, the terms and provisions of this Ordinance shall govern.

SECTION 4. This Ordinance shall take effect immediately from and after its passage and publication in accordance with the provisions of the Tex. Loc. Gov't. Code.

SECTION 5. Any person, firm or corporation violating any of the provisions or terms of this Ordinance shall be guilty of a misdemeanor and upon conviction shall be subjected to a fine not to exceed the sum of Five Hundred and No/100 Dollars (\$500.00) for each offense, except where a different penalty has been established by State law for such offense in which event the penalty shall be fixed by state law and if deemed a violation of any provision which governs fire safety, zoning or public health or sanitation shall be punished by a penalty of fine not to exceed the sum of Two Thousand and No/100 Dollars (\$2,000.00) for each offense; and each and every day such violation is continued shall be deemed to constitute a separate offense.

SECTION 6. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this Ordinance are severable and, if any phrase, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity 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 of this ordinance of any such invalid phrase, clause, sentence, paragraph or section. If any provision of this Ordinance shall be adjudged by a court of competent jurisdiction to be invalid, the invalidity shall not affect other provisions or applications of this Ordinance which can be given effect without the invalid provision, and to this end the provisions of this Ordinance are declared to be severable.

In accordance with Article VIII, Section 1 of the City Charter, Ordinance No. 2020-03 was introduced before the Taylor City Council on the 23rd day of April, 2020.

PASSED, APPROVED, and ADOPTED on this _____ day of _____, 2020.

Brandt Rydell, Mayor

ATTEST:

Dianna Barker, City Clerk

APPROVED AS TO FORM:

Ted W. Hejl, City Attorney

CERTIFICATE

THE STATE OF TEXAS

COUNTY OF WILLIAMSON

I, Diana Barker, being the current City Clerk of the City of Taylor, Texas, do hereby certify that the attached is a true and correct copy of Ordinance No. 2020-03, passed and approved by the City Council of the City of Taylor, Texas, on the ____ day of _____, 2020, and such Ordinance was duly introduced, passed, approved and adopted at meetings open to the public and notices of the meetings, giving the dates, places, and subject matter thereof, were posted as prescribed by Government Code Section 551.043.

Witness my hand and seal of office on this ____ day of _____, 2020.

Dianna Barker
City Clerk

SECTION 1 PURPOSE/INTRODUCTION

The purpose of this document is to establish the minimum standards and construction details for all public facility improvements.

SECTION 2 PLAN REQUIREMENTS

All construction plans for proposed public water, wastewater, paving, drainage, and traffic improvements shall be designed, signed, sealed, and dated by a Licensed Professional Engineer licensed in the State of Texas and adhere to the requirements of this Section. All construction plans or drawings must be accompanied by a Geotechnical Engineering Report signed, sealed, and dated by a Licensed Professional Engineer. Plans and drawings shall be furnished in the following format and contain the elements listed herein:

1. Cover Sheet
 - a. Project title including City name
 - b. Legal property description, if applicable
 - c. Vicinity map
 - d. Owner, engineer, and surveyor name, address and telephone number
 - e. Project title in small print placed vertical along the right border
 - f. Sheet index
 - g. Signature block for City approval
2. Copy of Current Plat - When applicable, a copy of the current plat bound with plans. The signed plat shall be bound with the as-built drawings.
3. Drainage Area Map
 - a. This map should be accompanied with all drainage calculations. Provide size in acres, C, I, Tc, and Q for 25- and 100-year storm for each sub-drainage area. For inlet design provide an inlet flow calculation table. For storm drain design provide Tc's, areas, composite "C" value.
 - b. Show all existing and proposed contours at two-foot minimum intervals.
 - c. Show existing and proposed storm sewers, and/or other drainage facilities.
 - d. Show drainage areas based on improvements and final grading.
 - e. Distinguish all drainage areas by heavy dashed lines.
 - f. Provide arrows indicating flow direction for all streets and lots.
 - g. Provide summation of Q's at pertinent points (street intersections, inlets, passing inlets, headwalls, channel outfalls, control outlet structures, property boundaries, etc.).
 - h. Indicate all low and high points.
 - i. Show proposed drainage facilities with designation and size provided.
 - j. Existing and proposed 100-year floodplains for all waterways.
 - k. Minimum building slab elevations for lots on which the 100-year floodplain encroaches (only if elevations are not shown on approved/released final plat included with plans).
 - l. Show and provide names of roadways.
4. Site Plan - indicating the location and width of all proposed and existing paving and driveway approaches noting the back-of-curb radii.
5. Utility Plan - indicating the location, size, material, and flow direction of all existing and proposed water and

wastewater lines with adjacent existing or proposed top of curb grades. Also show the location of all existing and proposed fire hydrants adjacent to the site including the maximum coverage radius of each as outlined in later sections of this manual.

6. Plan and Profile Sheets - for paving, wastewater, storm drains, culverts, flumes, water lines twelve (12") inches in diameter and larger, and drainage channels. Stationing shall be generally left to right and with stationing beginning at the downstream end for all sewers, storm drains, and channels. Stationing shall be included on the plan view as well as the profile for all roads, water, sewer, storm drain and channel sheets. Elevations shall be calculated and provided in all profiles as indicated below.
 - a. Straight grade - provide elevations at a maximum interval of 50 feet.
 - b. Vertical curve - provide elevations at the beginning and ending points and at a maximum interval of 25 feet in between.
 - c. See additional requirements under 'Drainage Plan and Profiles' below.
7. Details - for improvements which are to be dedicated to the City maintenance. Refer to City of Taylor Engineering Manual Details where applicable.
8. Maximum Sheet Size - Plan and profile sheets shall be a maximum of twenty-two (22") inches wide by thirty-four (34") inches long.
9. Scale - Horizontal scale shall be one inch equals fifty feet (1" = 50') or larger, i.e. 1" = 40'. Vertical scale shall be one (1") inch equals five (5') feet or larger.
10. Drainage Plan. Show the following:
 - a. Contours, drainage features, street and lot layout, street names, lot and block numbers
 - b. Limits of 100-year fully developed and FEMA floodplains
 - c. Drainage easements with recording information
 - d. Drainage infrastructure with unique labels and sizes
 - e. All horizontal PI, PC, PT, BEGIN and END stations and pipe and/or channel intersection equations
 - f. All inlets, Q at inlets, Q passing inlets, and flow lines
 - g. PI deflection angle in degrees
 - h. Any storm drain assignments off ROW or centerline
 - i. Channel and/or pipe outfall riprap and type of headwalls (show erosion control measures - dissipater blocks, rock riprap, etc.)
 - j. Beginning, end stations, and erosion control material used for channels (label type of material to be used - i.e. dry stacked or mortared rock, etc.)
 - k. Note 100-year frequency storm overflow swales over pipe system (when used) and give typical detail
 - l. Reference to construction details
 - m. Show all trees and utility and other improvements
11. Drainage Profiles - Show the following:
 - a. Scales. Horizontal same as Plan
 - b. All stations and elevations at points of intersecting drainage lines, grade breaks, riprap, drop section, toe of splash pads, toe of slope, beginning of slope, and beginning of riprap.
 - c. Stations and elevations at PI, PC, PT, grade breaks, intersecting lines, and beginning and end of construction.
 - d. Provide existing and proposed grade at the centerline in %.
 - e. Hydraulic Grade Line (HGL) or water surface profile for design event(s) shall be plotted with all drainage

design. Capacity, design discharge, and velocity shall be noted on each segment of drainage facility, including outfalls, in the profile whenever one or more of these parameters changes.

- f. Channels/Swales. Provide the following: channel bottom width, side slopes, concrete trickle or pilot channel, height of channel lining if used, maximum and minimum depth of channel, Manning's "n" value used, and typical channels cross sections to scale. For roadway swales provide proposed pavement centerline and stationing.
 - g. Storm Drains/Culverts. Provide the following: proposed upstream and downstream flowlines; Top of Curb (TC) elevations at inlets on storm drain lines; pipe size and material (i.e. 24" RCP/CLIII); all riprap, headwalls, full channel section at pipe ends, when appropriate; and existing and finished ground line and fill areas at pipe centerline.
12. Detention Plan - In addition to items under Drainage Plans, show the following:
 - a. Include drainage area map for detention ponds in plans.
 - b. Typical cross section(s) of ponds and section through the inlet and outlet structures. Show the 2-, 10-, 25-, and 100-year water surface elevations.
 - c. Indicate pond bottom and side slopes and ramp slopes and top width of berms.
 - d. Summary table of supporting calculations for hydrology, hydraulics, control outlet structures, etc.
 - e. Stage/Storage/Discharge data presented in tabular form with all discharge components, such as orifice, weir, and outlet conduit flows, clearly indicate. Indicate 2-, 10-, 25-, and 100-year water surface elevations.
 - f. Indicate staging area, access drives, ramps, gates, fences, perimeter access strips, signs, and setbacks, as applicable.
 13. Erosion Control and Sedimentation Plan - an erosion control plan shall be submitted for all areas to be disturbed.
 14. City Review - Construction plans shall be reviewed by the City Engineer and, upon approval by the City, signed after all comments have been resolved. Construction must start within one (1) year following the City's approval. Plans for projects which have not started construction within this time period must be submitted to the City for a new review.
 15. GIS Submittal Standards
 - a. Data MUST be to scale and geo-referenced to three points in electronic form to be submitted with required Record Drawings before signature and recordation to ensure that submission standards are met.
 - State Plane Projected Coordinate System - NAD_1983_StatePlan_Texas_Central_FIPS_4203_Feet
 - Projection - Lambert_Conformal_Conic
 - False Easting - 2296583.33333333
 - False Northing - 9842500.00000000
 - Central_Meridian - 100.33333333
 - Standard_Parallel_1 - 30.11666667
 - Standard_Parallel_2 - 31.88333333
 - Latitude_Of_Origin - 29.66666667
 - Linear Unit - Foot_US

- Geographic Coordinate System - GCS_North_American_1983
 - Datum - D_North_American_1983
 - Prime Meridian - Greenwich
 - Angular Unit - Degree
- b. All Data must be provided in one layer, e. g. all lot lines should be in a single layer called "lotlines"; all utilities separate for each type e. g. water, wastewater, electric, etc.
 - c. All parcel information must be converted to .DXF files. One text style to be used for all.
 - d. Street Names should be in all capital letters.
 - e. No blocks or XREFS may be attached to a file to eliminate imbedded files. Detach COGO files and other survey files.
 - f. All submissions must be to scale.
 - g. No three dimensional objects

SECTION 3 TESTING/INSPECTION

All construction, such as grading, paving, drainage structures, storm drain, curb and gutter, water and wastewater, are subject to inspection during the construction period by the proper authorities of the City, and shall be constructed in accordance with the approved Construction Plans and this Manual.

1. Periodic inspections will be performed by the City Inspector and/or City Engineer during construction of both proposed City maintained improvements and private maintained improvements. Inspections should be scheduled by the Contractor at the following intervals:
 - a. Subgrade when:
 - 1) All tests for subgrade have been witnessed by City and passed.
 - 2) The subgrade conforms to the Construction Plans.
 - 3) All grading, including ditches and erosion control, is complete.
 - 4) All culverts, headwalls, and Safety End Treatments are installed; for cast-in-place concrete structures, inspection of placement of reinforcing bars shall be performed prior to pouring of concrete.
 - b. Flexible Base when:
 - 1) All tests for flexible base have passed.
 - 2) The flexible base conforms to the Construction Plans.
 - c. Other periodic inspections during testing; and
 - d. Final inspection when:
 - 1) All tests have passed.
 - 2) All improvements are complete and record drawings are revised as per construction.
2. Request for inspection must be received by the City via e-mail and must include the subdivision name, current date, inspection requested (subgrade, base etc.) and desired date and time of inspection.

Subgrade and flexible base inspections must be scheduled at least two (2) business days in advance of date requested for the inspection. For inspection during geotechnical testing, at least one business days' notice is required in advance of date requested for the inspection. At least five (5) business days' notice is required in advance of date requested for final inspections. Note that subgrade testing MUST be witnessed by the City.

The reinforcing steel in cast-in-place concrete structures must be inspected by City prior to pouring of concrete. Inspection should be scheduled at least two (2) business days in advance of date requested for the inspection. All cast in place structures should meet TxDOT Standards. Cast in-place concrete structures with uninspected reinforcing steel will be considered defective and must be removed and replaced at Contractor's expense.

3. If testing or inspection does not occur for the subgrade and/or base while the surface is exposed, the contractor will be required to have an independent testing laboratory, acceptable to the City, perform testing at the Contractor's expense. Such testing may include core samples or additional density tests at 50-foot intervals measured longitudinally along the roadway. If the road surface is concrete, X-ray tests will be required for density tests. During the progress of the work, all materials, equipment and workmanship may be subjected to such inspections and tests as will assure conformance with the engineering requirements. All testing shall be done by an independent testing laboratory acceptable to the City and at the Contractor's expense. All final test reports submitted to the City and must be sealed by a Professional Engineer licensed in the state of Texas. The City shall approve the location of all testing. Testing locations shall be selected at varying distances from the centerline of the road. The Contractor is solely responsible for coordination with the testing laboratory, for scheduling of the tests, and for timely delivery of the results to the City. Additional testing may be required, at the contractor's expense, at the discretion of the City Engineer.
4. Minimum Testing Requirements
 - a. Subgrade
 - 1) Raw Subgrade (when lime or cement stabilized subgrade is not required for pavement design)
 - a) Soil characteristics including liquid limit, plastic limit, plasticity index, and sieve analysis.
 - b) Density tests are required at a minimum of every 300 feet (measured longitudinally along the roadway) with three tests required in each cul-de-sac and eyebrow.
 - c) Standard Proctor tests are required for each existing soil type.
 - 2) Lime or Cement Stabilized Subgrade
 - a) Soil characteristics including liquid limit, plastic limit, plasticity index, and sieve analysis.
 - b) Density tests are required at a minimum of every 300 feet (measured longitudinally along the roadway) with three tests required in each cul-de-sac and eyebrow.
 - c) Standard Proctor tests are required for each existing soil type.
 - d) Pulverization Gradation tests are required at a minimum of every 300 feet (measured longitudinally along the roadway) with three tests required in each cul-de-sac and eyebrow.
 - e) Core or probe tests are required to show thickness of the subgrade every 500 feet (measured longitudinally along the roadway) with one test required in each cul-de-sac and eyebrow.
 - b. Base
 - 1) Wet Ball Mill, Sieve Analysis, and P.I. tests shall be performed in accordance with TxDOT Standards.
 - 2) Density tests are required at a minimum of every 300 feet (measured longitudinally along the roadway) with three tests required in each cul-de-sac and eyebrow.
 - 3) Core or Probe tests are required to show thickness of the base every 500 feet (measured longitudinally along the roadway) with three tests required in each cul-de-sac and eyebrow.
 - c. Hot Mix Asphaltic Concrete
 - 1) A mix design is required to be submitted for the HMAc.
 - 2) Density tests are required at a minimum of every 500 feet (measured longitudinally along the roadway) with three tests required in each cul-de-sac and eyebrow.

- 3) Core tests are required to show thickness of the HMAC every 500 feet (measured longitudinally along the tests required in each cul-de-sac and eyebrow).
- d. Portland Cement Concrete
- 1) A mix design is required to be submitted for the concrete.
 - 2) Concrete shall be tested for slump, air content, and compression strength in accordance with ACI 318.
- e. Storm Drain
- 1) The compaction of backfill shall meet or exceed the requirements of the applicable details.
 - 2) All storm drain conduits shall be inspected prior to acceptance by the City. All conduits forty-two inch (42") or less shall be inspected using television inspection. Conduits larger than forty-two inch (42") may be inspected visually.
 - 3) A City representative shall be present during the television inspection.
 - 4) Televised Inspection Criteria
 - a) All television equipment used shall have a minimum of two-hundred-twenty (220) lines of horizontal resolution. The picture shall be in color.
 - b) All video information on DVD must have good picture quality.
 - c) As a title heading on the tape and during the televising, the operator must:
 - i. Note the project name and Contractor name.
 - ii. Note the name of the company and the operator performing the video inspection.
 - iii. Note line size and material, joint type and length.
 - iv. Line segment to be televised including beginning and ending station numbers.
 - v. Note page of plans used and year plans were stamped.
 - vi. Note date and time of inspection.
 - vii. A footage counter must be displayed on the DVD during the filming.
 - viii. Show the above title block before and after each line segment. Show the title block at one-hundred (100') foot intervals while filming the line segment.
 - ix. All defects should be shown on film for a minimum of 10 seconds before proceeding with the televising.
 - d) The Contractor shall supply a log sheet used in conjunction with the video tape for written documentation. All written information gathered must be legible and clearly understandable.
 - i. Note the project name, Contractor name and contract number.
 - ii. Note the name of the company and the operator performing the video inspection.
 - iii. Note pipe size and material, joint type and length between joints.
 - iv. Note the DVD footage counter, start to end.
 - v. Note line segment to be televised, station numbers from and station numbers to length of line segment as indicated on plans.
 - vi. Note page of plans used and year plans were stamped.
 - vii. Note date and time of inspection.
 - viii. Indicate by sketch the line segment to be televised in relation to surrounding street intersections and street addresses. Identify manhole station numbers. Show direction of flow with arrows and direction the camera is going. Indicate direction of north on the sketch.

- ix. Note the water depth at the beginning, every fifty (50') foot station, every change in grade, a
- x. Identify the clock location, direction, size and type of laterals entering main. Indicate laterals as saddles, punched, or glued fittings.
- xi. Indicate final footage televised at end of the log sheet.
- e) One DVD per visual televised inspection project shall be furnished to the Project Inspector.
- f) Recording must be done on DVD discs.
- g) All DVD's and run sheets shall be submitted to the City. All tapes and log sheets shall become the property of the City.
- f. Water and Wastewater
 - All water and wastewater testing shall comply with the City of Austin specifications for testing.

SECTION 4 SPECIFICATIONS

All referenced specifications shall be implied to mean the latest version of specifications from each mentioned entity. The referenced specifications shall include all amendments thereto, and shall govern and constitute the technical specifications, except as amended by this Manual and is made a part thereof, but is not physically bound within this document.

1. TXDOT SPECIFICATIONS

All applicable public improvements other than those specifically listed in this Manual shall be designed in accordance with the most current edition of The Texas Department of Transportation's Highway Design Division Operations and Procedures Manual.

2. TEXAS ARCHITECTURAL BARRIERS ACT

All accessibility design and construction shall comply with the Texas Accessibility Standards in compliance with the Texas Architectural Barriers Act.

3. TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

All traffic control devices shall conform to the latest edition of the Texas Manual of Uniform Traffic Control Devices.

4. CITY OF AUSTIN

The following City of Austin, TX Standard Specifications are incorporated into this Manual:

SECTION 500 Pipe and Appurtenances

5. CITY OF TAYLOR FIRE CODE SPECIFICATIONS

All designs, including fire hydrant spacing and location, fire lanes, and turning radii shall conform to the City of Taylor Fire Department requirements

SECTION 5 TRANSPORTATION DESIGN CRITERIA

5.1 TRAFFIC IMPACT STUDIES

There are two categories of Traffic Impact Studies:

- Level I - Trip Generation and Distribution Study
- Level II - Traffic Impact Analysis (TIA)

Level I Studies are required for all projects that generate at least 50 vehicular trips within the peak a.m. or p.m. periods. A project that generates less than 50 peak-hour trips may still be subject to a Level I Study if there are specific capacity or safety issues that need to be addressed, in the opinion of the City Engineer.

Level II Studies (TIA) are required for all projects that generate at least 100 vehicular trips within the peak a.m. or p.m. periods. A project that generates less than 100 peak-hour trips may still be subject to a Level II Study if there are existing traffic problems, poor roadway alignment, capacity deficiencies, level of service issues, or expected adverse impacts from the proposed development in the opinion of the City Engineer.

5.2 RIGHT-OF-WAY WIDTHS

The right-of-way widths shall be designed for the intended use and anticipated traffic volume at optimum development of the area served. Additional right-of-way may be required at street intersections and to provide for left and right turn lanes at high-volume intersections. The following table shall be used as a guide in determining right-of-way widths.

Table 5.2.1: Master Thoroughfare Plan - Right-of-Way and Pavement Standards				
Street Classification	R.O.W. Width (feet)	Lane Width (feet)	Total Pavement Width (face to face feet)	Number of Lanes
Local (1)	50	15	30	2
Collector	70	12	40	2
Minor Arterial	80	12	48	4 undivided
Major Arterial 100'	100	12	74	4 divided
Major Arterial 120'	120	12	88	6 divided

- (1) A local street having a total length in excess of one thousand two hundred (1,200) feet or serving more than thirty (30) dwelling units may be required to provide a right-of-way width of not less than sixty (60) feet.

5.3 DESIGN SPEED AND MAXIMUM GRADE

All streets shall be designed to conform to the following parameters:

Table 5.3.1: Design Speeds and Maximum Grades				
Street Classification	Minimum Design Speed (mph)	Maximum Percent Grade (%)	Minimum Percent Grade (%)	Area Free from Storm Water, Using a 100-year Frequency Storm

Local	30	8	0.5	-
Collector	30	6	0.5	One lane or center 12'
Arterial	40	4	0.5	One lane in each direction

5.4 DRIVEWAY SPACING AND DESIGN STANDARDS

The criteria contained in the following table shall be the minimum and/or maximum standards to be applied in spacing and designing driveways on public streets. The City Engineer may modify these standards based on anticipated traffic flow and in accordance with sound traffic engineering practices.

Table 5.4.1: Driveway Spacing and Design Criteria					
Description	Street Classification	Residential Driveway		Commercial	
		Min.	Max.	Min.	Max.
Driveway Throat Width	Local	11'	25'	25'	35'
	Minor Coll.	12'	25'	25'	35'
	Major Coll.	12'	25'	25'	35'
	Arterial	12'	25'	25'	35'
Driveway Curb Radius	Local	5'	10'	10'	20'
	Minor Coll.	5'	10'	10'	20'
	Major Coll.	10'	10'	10'	20'
	Arterial	15'	15'	20'	30'
Driveway Spacing (centerline)	Local	22'	22'	100'	100'
	Minor Coll.	32'	32'	100'	100'
	Major Coll.	80'	80'	150'	150'
	Arterial	100'	100'	250'	250'

Minimum Distance from Driveway to Intersection	Local	30'	30'	75'	75'
	Minor Coll.	50'	50'	100'	100'
	Major Coll.	100'	100'	150'	150'
	Arterial	100'	100'	180'	180'

5.5 ALLEYS

1. Alleys serving single family residential and duplex areas shall have a minimum right-of-way width of 20 feet.
2. Alley turnouts shall be paved to the property line and shall be 12 feet wide at that point.
3. Alleys shall be paved in accordance with these Design criteria for a minimum width of 12 feet exclusive of any curbs which may be provided.
4. A uniform transition in alley pavement widths shall be made in a distance of not less than 20 feet.
5. Alleys shall intersect roads at right angles or radially to curved roads.
6. The minimum distance between an alley/road intersection and a road/road intersection shall be the width of at least one (1) lot.
7. Private alleys are prohibited.
8. Maximum alley length between access points to a road shall be six hundred (600) feet.
9. A length greater than six hundred (600) feet may be approved by the City Engineer in the form of a variance pending unusual conditions or limiting factors.
10. In general, alley length shall not exceed one thousand three hundred twenty (1,320) feet between road access points.
11. Dead-end alleys are prohibited.
12. In cases where two alleys intersect or turn a sharp angle, lot corners shall be platted so that a triangular area of 25' x 25' or greater, is dedicated as part of the alley for the purpose of providing a minimum radius of 30 feet to the inside edge of the alley paving.
13. Alley paving shall conform to the paving requirements for roads per this manual.

5.6 STREET IMPROVEMENTS

Streets shall be constructed or reconstructed using either hot-mixed asphaltic concrete pavement sections or reinforced Portland Cement Concrete pavement sections that meet or exceed the minimum specifications of this Manual. The developer requiring street construction shall provide a geotechnical report, sealed by a Licensed Professional Engineer, containing recommendations for subgrade thickness and content. The minimum subgrade and pavement thickness shall be in accordance with the specifications contained in this Section.

5.6.1 HOT-MIXED ASPHALTIC CONCRETE PAVEMENT SECTIONS

1. Local Streets
 - Density controlled subgrade
 - Fourteen (14") inches thick flexible base, Type A, Grade 2, (24") inches past the back of curb line.

- Two (2.0") inches Type "C"
- Lime Stabilized subgrade may be substituted for the above mentioned subgrade and a portion of the flexbase

2. Collector Streets

- Density controlled subgrade
- Eighteen (18") inches thick flexible base, Type A, Grade 2, (24") inches past the back of curb line.
- Two and one-half (2.5") inches Type "C"
- Lime Stabilized subgrade may be substituted for the above mentioned subgrade and a portion of the flexbase

5.6.2 CONCRETE PAVEMENT SECTIONS

1. Local Streets

- Density controlled subgrade
- Six (6.0") inches thick flexible base, Type A, Grade 2, (24") inches past the back of curb line
- Six (6.0") inches of Class A concrete
- #4 rebar on 18" O.C.E.W.
- Lime Stabilized subgrade may be substituted for the above mentioned subgrade and a portion of the flexbase

2. Collector Streets

- Density controlled subgrade
- Eight (8.0") inches thick flexible base, Type A, Grade 2, (24") inches past the back of curb line
- Seven (7.0") inches of Class A concrete
- #4 rebar on 18" O.C.E.W.
- Lime Stabilized subgrade may be substituted for the above mentioned subgrade and a portion of the flexbase

5.6.3 CURB AND GUTTER SPECIFICATIONS

All streets shall be provided with reinforced Portland Cement Concrete curbs and gutters in accordance with the following specifications.

1. Curbs and gutters bases shall not be less than twenty-four (24") inches wide and provide a minimum gutter width of eighteen (18") inches
2. Reinforcement shall be provided by three (3) No. 4 steel reinforcing bars by placing one (1) bar in the curb roll and two (2) bars in the curb and gutter base. Use manufactured chairs for concrete placement.
3. Concrete for curbs and gutters shall be Class "A" and consist of five (5) sacks (minimum) of Portland Cement for each cubic yard of concrete mix and have a seven (7) day flexural strength of five hundred pounds per square inch (500 PSI) and a twenty-eight (28) day compressive strength of three thousand pounds per square inch (3,000 PSI).

4. All driveway entrances constructed in existing curb and gutters shall be saw-cut at the curb return on both sides and eighteen (18") inches into the street. After work is completed, the street sidewalk shall be repaired and responsibility of the party installing the driveway. All driveways cut into existing curb and gutter areas shall use the curb cutting method, leaving the original gutter in place. Smooth dowels shall be installed into the back of the curb.
5. Control joint every 10', expansion joint every 50' or as approved.

5.6.4 STREET DRAINAGE

The following drainage conditions shall be observed:

1. All roads shall be a crowned or roof top section so as to provide proper drainage.
2. All plats shall depict the flow of drainage with arrows sufficient to show predicted path.
3. An explanation and depiction shall be attached to show outflow and inflow availability on high flow areas. Adjoining property where inflow originates or outflow exists must be attached to ensure compliance with drainage or excessive run-off factors.
4. No plat shall be considered for approval unless accompanied by a complete set of construction drawings that show the drainage areas and flow calculations.
5. The contractor/developer will assume all responsibility to disperse excess run-off so as not to exceed previous disbursements to the satisfaction of the city.

5.6.5 STREET CONSTRUCTION

- A. No work whatsoever will be initiated without the issuance of an Authorization of Construction letter.
- B. The street portion of the plat must be reviewed and approved by Fire Chief, Police Chief and City Engineer;
- C. An Authorization of Construction letter must be obtained from the City before any construction is initiated;

5.6.6 CONCRETE PIPE

All concrete pipe used for drainage purpose on City streets shall be reinforced.

5.6.7 SUBGRADE

Subgrade shall extend ten (10') feet, if feasible, beyond the completed street when a future street is proposed to be built to assure proper conformity.

5.7 STREET SIGNS

5.7.1 LOCATION

Street signs shall be six (6") inches extruded, have white lettering on a green background, be engineer grade reflectorized, and include the block numbers along with the street name. Street signs shall be furnished and installed by the subdivider for all intersections within or abutting the subdivision. All signs shall be located in accordance with the Texas Manual on Uniform Traffic Control Devices.

5.7.2 SIGNS

All signs and mounts shall conform to the standards as set forth in the Texas Manual on Uniform Traffic Control Devices. All road identification signs are to have a green background with three (3) inch white reflective lettering.

5.7.3 INSTALLATION

The sign pole shall be buried to a minimum depth of two (2') feet and placed in a twelve (12") inch diameter concrete filled posthole. The pole shall be tall enough to accommodate all applicable signs. The bottom of the stop sign shall be located seven (7') feet above the finished grade of the surrounding ground.

5.7.4 APPROVAL

The developer shall submit a list of signs to be placed and a graphical representation of the signs for review by City Engineer prior to installation.

5.8 SIDEWALKS

5.8.1 SIDEWALK SPECIFICATIONS

- 1. Right-of-Way Permit Required - No person shall construct, reconstruct, alter, repair, remove or replace any sidewalk on any public property within the City Limits without first obtaining a permit from the building permit office.
- 2. Inspection Required - All work done in construction, reconstruction, alteration, repair, or removal or replacement of sidewalks shall be inspected by the city inspector to assure compliance with these regulations. When other public improvements are required, final acceptance of all other improvements shall not be made until sidewalks are approved.
- 3. Minimum Sidewalk Width - All sidewalks shall be a minimum of four (4') feet in width, except a sidewalk located within or abutting a collector street, or larger, as shown on the Thoroughfare Plan, shall not be less than five (5) feet in width. All sidewalks shall be constructed in the area between the curb or grade line of the public street and the abutting property line. The edge of the sidewalk shall generally be parallel with the curb line. The City Engineer may approve a plan to alter the location of a sidewalk to preserve a tree or for aesthetic purposes. One additional foot of width shall be added to a sidewalk that abuts a street curb.
- 4. Construction Materials - Sidewalks shall be constructed of Portland cement concrete (minimum thickness four (4") inches). Trail system sidewalks shall be a minimum thickness of five (5") inches. Concrete for sidewalks shall be Class "A" and consist of five (5) sacks (minimum) of Portland cement for each cubic yard of concrete mix and have a seven (7) day flexural strength of 500 pounds per square inch (500 PSI) and twenty-eight (28) day compressive strength of 3,000 pounds per square inch (3,000 PSI). Reinforcement shall be in accordance with the construction detail contained herein.
- 5. Architectural Barriers Act - All sidewalk/street intersections shall be constructed so as to provide a ramp that complies with the Architectural Barriers Act. Barrier free ramps shall be provided for access to the street. Additional information on curb ramp location, design, visibility and texture may be found in the current edition of the Texas Accessibility Standards (TAS) prepared and administered by the Texas Department of Licensing and Regulation (TDLR).

5.9 STREET LIGHTING

5.9.1 GENERAL REQUIREMENTS

- A. Street lights shall be installed at all intersections, at the end of all cul-de-sac streets, and at additional locations in accordance with the following table:

Table 5.9.1: Street Lighting Requirements			
Required Spacing	Pole Type	Lamp Type	Height

At intervals of not more than three hundred (300) feet	Metal	100 watt high pressure	30 feet
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- B. The number of required street lights shall be equal to the total linear footage between street intersections divided by the required spacing. Fractions of street lights shall be rounded to the next whole number.
- C. Street lights shall be placed at approximately equal intervals between intersections and shall be subject to the approval of the City Engineer.
- D. Cobra head lamps shall be provided on standard street lighting fixtures, except that other lamp types may be permitted where custom lighting is approved by the City Engineer.

5.9.2 CUSTOM LIGHTING

- A. The subdivider may elect to provide custom lighting in lieu of the required standard street lighting, subject to the approval of the city engineer.
- B. If a subdivider elects to provide and install custom lighting, a homeowner's association (or some other such private entity) shall be created which will be perpetually liable for all costs associated with the maintenance of the lighting fixtures. The homeowner's association shall also be liable for the electrical energy costs of the custom lighting.

SECTION 6 WATER SYSTEM DESIGN CRITERIA

6.1 GENERAL

This section pertains to general design requirements for water distribution system construction in the City of Taylor. All water lines shall be sized and designed in accordance with the City of Taylor determined by the City Engineer. In the absence of specific standards, all water supply, distribution, pumping, and storage improvements shall be designed in accordance with the most current standards of the American Water Works Association criteria adopted by the Texas Administrative Code, Chapter 290.

6.2 LINE SIZES & LOCATIONS

1. Standard water line sizes are, 8 inch, 10 inch, 12 inch, 16 inch, 20 inch, and 24 inch diameter. Other sizes may be approved by the City Engineer.
2. All water lines shall be looped where possible. Dead end lines shall not exceed 600 feet, unless approved by the City Engineer.
3. Water lines shall be located within the right-of-way, not under paving. Along State Highways, water lines are required on both sides of the roadway. New water lines crossing existing streets shall be placed by boring. A steel casing shall be required under major and minor collector roadways, arterial roadways and State Highway. Open cut excavation will not be allowed to cross existing streets, unless approved by the City Engineer.
4. Automatic flushing valves are required for all dead-end mains of 50' or longer.
5. Easements for water line construction shall meet the following requirements:
 - a. The easement width shall be a minimum of 20 feet.
 - b. In areas where multiple utilities or extended depth or larger utilities exist the easement may need to be

wider as specified by the City.

- c. Larger easements may be required by the City Engineer to provide adequate space for maintenance.
6. All piping with mechanical couplings, push-on, or similar joints subject to internal pressure shall be designed with blocking, anchors, and restraining harnesses to preclude separation of joints.
7. Water lines exclusively for fire protection shall be dedicated to the public, unless the system is isolated from the public system by a detector check. All water lines shall be a minimum of eight (8") inches in diameter and looped when possible. Water lines shall not be located under paved surfaces where possible.
8. Water service for multiple units on a single lot shall be served via one Master Meter. The developer is responsible for providing and metering service to individual units.

6.3 MATERIALS

All water lines and fittings shall be new materials and comply with the following:

1. Water Lines - All water lines shall be Polyvinyl Chloride (PVC) material and be designed, manufactured, and tested in accordance with the applicable requirements of AWWA C-900 (eight (8") inch through twelve (12") inch water pipe) AWWA C-905 (sixteen (16") inches and larger water pipe), and AWWA M-23. Pipe larger than 16" shall be Ductile Iron.
2. Other Pipe Material - All other materials must be submitted for approval by the City Engineer.
 - a. All PVC water pipe shall be blue in color.
 - b. Eight (8") inch through twelve (12") inch water pipe shall be pressure class 150, DR 18. Pressure class 200, DR 14 pipe may be required by the City Engineer in areas of high distribution system pressure, under roadways or other unusual circumstances.
3. Fittings - Fittings shall be ductile iron in accordance with AWWA C110 or AWWA C153.
 - a. Fittings: ANSI/AWWA C111/A21.11, except gaskets shall be neoprene or other synthetic rubber and factory installed.
 - b. All waterline pipe and fittings shall be new materials and produced in the USA

6.4 INSTALLATION

All installations shall conform to the latest TCEQ, and AWWA Specifications, as amended by these standards.

1. All pipe shall be installed with a minimum of forty-eight (48") inches of cover over top of pipe.
2. The amount of open trench shall not exceed two hundred (200') feet from the end of the pipe laying operations, and no more than three hundred (300') feet of total open trench will be allowed. At the end of each work day, all trench excavation shall be backfilled and compacted to the end of the pipe laying operation.
3. All connections to existing water mains shall be made under pressure unless dry connections will not cause any loss of service. Under special conditions connections that cause an interruption of service may be performed with approval of the City Engineer.
4. Coated tracer wire and tape shall be installed in the embedment material twelve (12") inches above the pipe with the tracer wire terminating in in-line gate valve boxes accessible by City Staff.
5. Density tests shall be taken at a minimum of every three hundred (300') feet for every lift or determined by inspection. A maximum thickness of lift is required for all trench backfill. A geotechnical report should be submitted for all trenches. The density reports shall be submitted to the City Inspector. The City has the right to require additional tests if they are deemed necessary.
6. All density reports and bacteria test reports shall be completed, delivered to the City Engineer and Inspector, and approved before paving is allowed to begin. Bacteria test samples shall be taken by the City.
7. PVC water pipe and appurtenances shall be installed as specified in AWWA M-23 and in accordance with the

pipe manufacturer's recommendations.

8. Fittings shall be installed in accordance with AWWA C-600.
 - a. All mechanical joint bends, tees, and reducers which require blocking shall be additionally restrained with EBAA Megalug retainer gland or approved equal.
 - b. All fittings must be polyethylene wrapped.

6.5 FIRE HYDRANTS

1. Fire hydrants in commercial and industrial areas shall generally be at street intersections and so located that there will be a fire hydrant every three hundred (300') feet. Fire hydrants in a residential area shall be generally located on street intersections and not over five hundred (500') feet apart. City Fire Chief shall approve final fire hydrant locations.
2. Materials
 - a. Fire hydrants shall be manufactured in accordance with AWWA C-502, Dry-Barrel Fire Hydrants.
 - b. Hydrants shall be manufactured such that all maintenance and adjustments can be performed without excavation and such that hydrants may be faced in any direction in relation to base. The hydrant shall be of a design that will permit extensions without disturbing the bottom section of the hydrant.
 - c. A gate valve shall be installed with each fire hydrant.
3. Manufacturers

Approved fire hydrants manufacturers are as follows:

 - a. Clow - Medalion
 - b. Mueller - Centurion
 - c. Kennedy - K81D
 - d. American Darling - B84B

4. Locations

Fire hydrants are to be located a minimum of three (3') feet and a maximum of six (6') feet behind the back of curb.

6.6 VALVES

1. Resilient seated gate valves shall be used for six (6") inch and up to twenty-four (24") inch water lines. Butterfly valves may be allowed as an addition to gate valves for lines sixteen (16") inches and larger when approved by the City Engineer.
2. Valves of approved design shall be installed at the intersections of all water mains so as to provide for proper maintenance and operation of the system and to provide a means of shutting off the supply to portions of the system for repairs. Three (3) valves shall be used on a four-way water line intersection and a minimum of two (2) valves shall be used on a three-way intersection.
3. Materials
 - a. Resilient Seated Gate Valves
 - 1) Resilient seated gate valves six (6") inches through sixteen (16") inches shall meet or exceed the latest revisions of AWWA C509 and shall meet or exceed the requirements of these standards.
 - 2) Resilient seated gate valves for buried service shall be furnished with a square two (2") inch operating nut. The valve box shall be Tyler Pipe 6850 series or approved equal. The valve box lid shall be painted safety blue. The paint shall be approved via submittal to the City.
 - 3) All valves must open left and close right.

b. Butterfly Valves

Butterfly valves shall meet or exceed the latest revision of AWWA Standard C504 for Class 150B butterfly valves and shall meet or exceed the requirements of this specification. All valve components shall conform to Underwriters Laboratories classification in accordance with ANSI/NSF Standard 61.

4. Installation

- a. Valves shall be furnished with extensions, such that the working nut is a maximum of thirty-six (36") inches below grade.
- b. Adjustable valve boxes shall be furnished and set on each valve in accordance with these standards. Valves that are deeper than forty-eight (48") inches, AWWA C900 PVC pipe shall be used for stacks, as long as the adjustable valve box is used at the top.
- c. After the final clean-up and alignment has been complete, the contractor shall cast in place a concrete block, around all valve box tops at the finish grade. See detail W-3.
- d. Valves located within a right-of-way shall be indicated on the face of the curb, or where curbs do not exist, on a conspicuous location adjacent to the valve location. Markings are to be the stamping of a four (4") inch high letter "V" with a three-eighths (3/8") inch stroke with the point of the "V" pointing towards the valve location.
- e. Valve markers shall be provided in rural areas.

5. Manufacturers

- a. Approved manufacturers of six (6") inch through twelve (12") inch resilient seated gate valves are as follows:
Mueller, Clow, American Darling and Kennedy
- b. Approved manufacturers of sixteen (16") inch and larger butterfly valves are as follows:
Mueller, Clow, American Darling and Kennedy

6.7 AIR RELEASE AND FLUSHING VALVES

- A. Adequate air relief, and flushing valves shall be provided for flushing, disinfecting, daily operation requirements, and repairs when required by the City Engineer. Air release valves shall be required on twelve (12") inches and larger water lines. Water lines shall be designed so that each section of the water line can be flushed at its lowest and highest points.
- B. All dead end lines shall have a fire hydrant installed for flushing purposes. If installation of a fire hydrant is not possible, a flushing valve is required.
- C. A fire hydrant shall be required at high points on water lines smaller than twelve (12") inches for air relief and flushing.
- D. Materials - Air release valves and air/vacuum valves shall meet or exceed the latest revision of AWWA C512.
- E. Automatic Flushing Valves shall be installed on all dead-end mains of 2" or larger that extend 150 linear feet or longer. Approved Manufacturer: Hydro Guard Standard Unit.

6.8 TAPPING SLEEVE

A tapping sleeve and valve shall be used when connecting a new water line to an existing line. A resilient seated gate valve shall be flanged to the tapping sleeve. The tapping sleeve shall be a Smith-Blair Spec. 664-665 stainless steel tapping sleeve, or approved equal.

6.9 WATER SERVICE

1. The water meter box shall be placed a minimum of two (2') feet behind the back of curb unless sidewalks are

adjacent to the curb, then they are to be set seven (7') feet behind the back of curb, and the water service shall be a minimum of twelve (12") inches deep, covered with a meter box in place at grade. If no curb is present, the water service shall be located at the property line, a minimum of twelve (12") inches deep, covered with a meter box in place at grade. Along roadways without a curb the water service line shall be constructed at a minimum of twelve (12") inches below the ditch flow line.

2. Meter and service sizes will be determined by the developer prior to requesting service from the City. The minimum water service size between the water main and the meter shall be one (1") inch.
3. Water services on undeveloped lots shall be located at the property line and shall be a minimum of one (1") inch in diameter.

4. Materials

a. Service Saddle

Service saddle shall be double strap bronze with brass body or nylon / epoxy coated stainless steel double bolt wide straps. Minimum size tap shall be 1 inch diameter.

Approved manufacturers:

- 1) Smith Blair - Tapping Saddles up to 2" shall be epoxy coated with stainless steel straps.
- 2) Tapping Sleeve 4" and larger shall be epoxy coated steel or ductile iron.

b. Service Line

Service lines shall be 1" (single services) to 1.5" (double services) polyethylene SDR9.

c. Corporation.

- 1) Corporation stop shall be ball type with a diameter equal to the pipe size with compression outlet fitting, designed for a minimum working pressure of two hundred pounds per square inch (200 psi) and threaded counter clockwise.
- 2) Approved manufacturers are Ford or Mueller.

d. Angle Stop

- 1) Angle stop shall be set with compression inlet fitting and locking wings.
- 2) Approved manufacturers are Ford, Mueller or Smith Blair.

e. Meter Boxes

- 1) Single Meter boxes are to be DFW 1200 Series with AMR lid.
- 2) Double Meter boxes are to be DFW 1500 Series with AMR lid.
- 3) Traffic Rated Meter boxes shall be DFC "C" Series.

5. Installation

a. General

- 1) All water service shall be installed in accordance with these standards.
- 2) Each individual service location shall be saw cut into the face of the curb with a four (4") inch high "W" painted blue by the Contractor. If no curb exist a similar mark should be placed in the pavement near the edge of the roadway.

6.10 FLUSHING VALVES

1. Materials

- a. Corporation stop shall be two (2") inch ball type with compression outlet fitting, designed for a minimum working pressure of two hundred pounds per square inch (200").
- b. Two (2") inch curb stop shall be ball type with compression inlet fitting with tee head shut off.

- c. Pipe shall be two (2") inches diameter, polyethylene.
- d. All flushing valves shall be installed within a twenty-four (24") inch round metal meter box.

6.11 WATER LINE BORE

1. Minimum steel casing thickness shall be a quarter (1/4") inch. Casings shall be required under collectors and thoroughfares, highway crossings, and railroad crossings. Casings shall also be required where deemed necessary by the City Engineer. The construction bore pit shall be located at a minimum distance of four (4') feet behind the back of curb or edge of pavement where no curb is present.
2. The design engineer shall design the water line pipe casing for the following loading conditions and applicable combinations thereof:
 - a. AASHTO HS20 loading as applicable
 - b. Earth loading with the height of fill above the casing as shown on the plans
 - c. Loads applied during jacking, including axial load from jacking
 - d. All other applicable loading conditions, including loads applied during transportation and handling.
3. Materials
 - a. Steel Casing Pipe

Steel casing pipe shall be new (or used if approved by the City Engineer) and suitable for the purpose intended and shall have a minimum yield strength of 35,000 psi. Casing shall meet ASTM A-36, ASTM A-570, ASTM A-135, ASTM A-139, or approved equal. Pipe shall be coated with coal tar epoxy (15 mils min.) in accordance with AWWA C-210. Pipe joints shall be welded in accordance with AWWA C-206. After pipe is welded, coating shall be repaired.
 - b. Casing Spacers

Use stainless steel casing spacers for any type of carrier pipe. Insulators shall be high density polyethylene. Insulators shall fit snug over the carrier pipe and position the carrier pipe approximately in the center of the casing pipe to provide adequate clearance between the carrier pipe bell and the casing pipe. Insulators shall be manufactured by "Recon" and be Racci Type or approved equal.
4. Installation
 - a. Excavation and Backfill of Access Pits
 - 1) Do not allow excavation over the limits of the bore or tunnel as specified. Shore the trench walls as necessary to protect workmen, the public, structures, roadways, and other improvements.
 - 2) Excavations within the right-of-way and not under surfacing shall be backfilled and consolidated by mechanical methods as specified in these standards for compaction of trenches under roadways. Surplus material shall be removed from the right-of-way and the excavation finished to original grades. Backfill pits immediately after the installation of the carrier pipe is completed. If carrier pipe is not installed immediately after casing pipe installation, the City may require the access pits be temporarily backfilled until installation of carrier pipe.
 - 3) Where seeding or sodding is disturbed by excavation or backfilling operations, such areas shall be restored to the existing or better conditions.

SECTION 7 WASTEWATER DESIGN CRITERIA

7.1 GENERAL

This section pertains to general design requirements for waste water collection system construction in the City of Taylor. All sewer lines shall be sized and as determined by the City Engineer. In the absence of or in conflict with a specific standard contained in this Chapter, all collection, treatment, and disposal systems shall be designed in accordance with the most current criteria adopted by the Texas Administrative Code, Chapter 217, "Design Criteria for Domestic Wastewater Systems".

7.2 WASTEWATER MAIN SIZES AND DESIGN

1. Standard wastewater main sizes are eight (8") inches, ten (10') inches, twelve (12") inches, fifteen (15") inches, and eighteen (18") inches in diameter. Other sizes may be approved by the City Engineer.
2. Wastewater lines shall be constructed at a minimum depth of four (4') feet and be located within the R.O.W. or an approved utility easement. A wastewater line is required to be constructed on both sides of a State Highway.
3. Easements for wastewater line construction shall meet the following requirements:
 - a. The easement width shall be a minimum of twenty (20'). Greater easement width may be required for deep lines.
 - b. If the wastewater line is less than twelve (12') feet deep, the outside diameter of the wastewater line shall be located a minimum distance of six (6') feet from the edge of the easement, and if other utilities are located in the same easement, the outside diameter of the wastewater line shall be located a minimum distance of three (3') feet from the outside diameter of the other utilities.
 - c. If the wastewater line is greater than twelve (12') feet deep, the outside diameter of the wastewater line shall be located a minimum distance of nine (9') feet from the edge of the easement, and if other utilities are located in the same easement, the outside diameter of the wastewater line shall be located a minimum distance of six (6') feet from the outside diameter of the other utilities.
 - d. Proper separation of utilities must be maintained per TCEQ regulations.
4. All wastewater mains shall be designed with consideration for serving the full drainage area subject to collection by the wastewater in question; the drainage area may be modified with the concurrence of the City Engineer because of the projected rate of development or the financial feasibility of the proposed extension.
5. Wastewater mains should be designed with straight alignment whenever possible. When horizontal curvatures must be used, radial pipe must be used in accordance with the pipe manufacturer's recommendations. No joint deflection is allowed without the approval of the City Engineer and an appropriate TCEQ variance.
6. All wastewater mains shall be designed with hydraulic slopes sufficient to give mean velocities, when flowing full or half full, of no less than two (2') feet per second.

7.3 WASTEWATER LINE MATERIALS

All wastewater lines and fittings shall be new materials and comply with the following:

1. All wastewater pipes shall be Polyvinyl Chloride (PVC) pipe type SDR-26 for wastewater lines where wastewater lines exceed. For depths greater than twenty-four (24') feet material must approved by City Engineer.
2. All PVC wastewater pipe shall be green in color. Developer to provide a manufacturers statement for pipe color other than green.
3. PVC sewer pipe and fittings shall conform to the current ASTM Designation D 3034 for up to eighteen 18" inches and ASTM Designation F 679 for greater than fifteen (15") inches.

7.4 WASTEWATER LINE INSTALLATION

1. General
 - a. All installations shall conform to ASTM Designation D2321, and the as amended by these standards.

- b. Wastewater lines shall not be installed within nine (9') feet horizontally of any water main or fire hydrant. Where possible, separation shall be in accordance with TCEQ standards.
 - c. Construction shall begin at the downstream end of project and continue upstream with the bell facing upstream. No upstream piping shall be installed before downstream piping unless approved by the City Engineer.
2. Excavation and Backfill
 - a. The amount of open trench excavation shall not exceed two hundred (200') feet from the end of the pipe laying operations, and no more than three hundred (300') feet of total open trench will be allowed. At the end of each workday, all trench excavation shall be backfilled to the end of the pipe laying operation.
 - b. Density tests shall be taken every three hundred (300') feet for every lift. A maximum thickness of twelve (12") inches per loose lift is required for all trench backfill. A geotechnical report shall be submitted for all trenches. The density reports shall be submitted daily to the City Inspector. The City has the right to require additional tests if they are deemed necessary.
 - c. A City inspector will be on site at all times when testing is being performed. The City Inspector shall be present during the placement of trench backfill lifts.
 - d. All density reports shall be completed, delivered to the City's Engineer and Inspector, and approved before paving is allowed to begin.

7.5 MANHOLES

1. Manholes shall be located at all intersections of wastewater lines and at intermediate spacing along the line. Generally the maximum spacing should not exceed five hundred (500') feet. Manholes should be located at all changes in grade and at the ends of all wastewater lines that will be extended.
2. A manhole is required at the junction of wastewater lines with different inside pipe diameters.
3. A drop of at least one tenth of a foot (0.1') is required through the manhole.
4. A drop manhole is required when the flow line in is two (2') feet or greater than the flow line out.
5. Minimum manhole inside diameter is four (4') feet.
6. Drop-connection manholes shall have a minimum inside diameter of four (4') feet, with an exterior drop.
7. Minimum pre-cast wall thickness is five (5") inches.
8. All manholes shall be concrete.
9. NOTE: If depth of cover is greater than 18 feet, Manhole size is subject to city Engineer approval.
 - a. Cast-in-place - only when approved
 - 1) The manhole foundation shall be poured on undisturbed soil or approved subgrade and shall have a minimum thickness of eight (8") inches.
 - 2) The inlet and outlet pipes shall be poured into the foundation of the manhole. When straight through flow occurs, the pipe shall be laid continuously through the manhole.
 - 3) The invert shall be shaped and smoothed so that no projections will exist and the invert shall be self-cleaning.
 - 4) When a cast-in-place manhole is used to connect to an existing wastewater line the manhole should be poured, tested and approved before the top of the existing line is cut out.
 - 5) Concrete work shall conform to all requirements of ACI 301, Standard Specification for Structural Concrete, published by the American Concrete Institute, except as modified herein.
 - 6) Detailing of concrete reinforcement and accessories shall be in accordance with ACI Publication 315.
 - 7) Portland cement shall be Type II, low-alkali and conform to ASTM Designation C-150.

- 8) The manhole shall not be backfilled within twelve (12) hours after the concrete placement. Backfill shall be submitted to the City.
 - 9) The face of curb shall be stamped with a three (3") inch "MH" to mark the location of all manholes. The location of the stamp shall be a line that intersects the center of the manhole cover and the curb perpendicular to the centerline of the street. For manholes located in intersections, the curb shall be stamped at the closest location to the manhole. If no curb exists a similar mark should be placed in the pavement near the edge of the roadway.
- b. Precast Manhole
 - 1) Precast manholes shall be constructed in accordance to ASTM Designation C-478.
 - 2) Manhole base shall have a spread footing and be placed on a minimum of twelve (12) inches of crushed rock.

7.6 MANHOLE FRAME AND COVER

1. Cover

a. Materials

All manhole covers shall conform to the Standard Specifications for Domestic Grey Iron Castings, ASTM A-48, Class 30 B.

b. Installation

- 1) All manhole covers shall be thirty (32") inches in diameter.
- 2) All manhole covers shall have two (2) integrally cast pick bars.

c. Manufacturers (Traffic rated where necessary)

- 1) East Jordan Iron Works
- 2) Bass & Hayes

2. Frames

a. Materials

All manhole frames shall conform to the Standard Specifications for Grey Iron Castings, ASTM A-48, Class 30 B.

b. Installation

All manhole frames shall provide a thirty (30") inch by one quarter (1/4") inch opening to assure proper fit of the manhole cover.

c. Manufacturers

- 1) East Jordan Iron Works
- 2) Bass & Hayes

d. Manholes located within the floodplain are to be sealed with an approved bolt-down cover and frame.

3. Extension Ring

a. Materials

All precast reinforced concrete extension rings shall conform to ASTM C-478.

b. Installation

- 1) The number of extension ring sections shall be kept to a minimum (i.e. use 1-12 inch extension ring instead of 2-6 inch extension rings).
- 2) A one (1") inch by three and a half (3 1/2") inch bitumastic gasket shall be used to seal the extension

ring at both joints.

[4. Reserved]

[5. Reserved]

6. Manhole Inserts - Rain Pan

Shall be required on all Manholes.

a. Materials

Rain pans shall be High Strength Stainless Steel to fit each manhole

b. Manufacturers

Southwestern Packing and Seals.

7.7 WASTEWATER SERVICE

1. No wastewater service line (lateral) shall be less than six (6") inches in nominal diameter.
2. Wastewater laterals shall be a minimum of ten (10') feet downstream of the water service. Services will be identified in the field by a three (3") inch "S" cut into the curb, on the As-Built Plans and with a stake in the field for location purposes.
3. Wastewater service laterals shall have a minimum of four (4') feet of cover at the property line.
4. Materials
 - a. All lateral wastewater service lines shall be gasketed PVC pipe type SDR-26.
 - b. All PVC wastewater pipe used for lateral services shall meet ASTM 3034.

[5. Reserved]

6. Installation

All service laterals shall be installed in accordance with the wastewater embedment and backfill standards of the City of Taylor.

7.8 MAIN LINE CLEANOUTS

Cleanouts may be installed on lines that are permanent dead ends. The line may not exceed four hundred fifty (450') feet. Any line exceeding that length must end with a manhole.

7.9 WASTEWATER LINE BORING

SEE WATER LINE

1. Installation
 - a. Tolerances
 - 1) All bores shall be installed at a grade no less than the minimum indicated by TAC30, Chapter 317 for the desired pipe size.
 - 2) All bores shall maintain grade enough to ensure desired clearance distances between existing utilities and bore.
 - b. Excavation and Backfill of Access Pits

SEE WATER SECTION

SECTION 8 DRAINAGE DESIGN AND ANALYSIS CRITERIA

8.1 GENERAL

1. General Application. This section pertains to general application of accepted principles of stormwater drainage and is a working supplement to basic information obtainable from standard drainage handbooks and other publications. The statements of this section provide the underlying principles by which all drainage facilities shall be designed within the Corporate Limits of the City of Taylor and within all areas subject to its extra territorial jurisdiction.
2. General Drainage System Policy
 - a. Street curbs, gutters, inlets and storm drains shall be designed to intercept, contain and transport all runoff from the 25-year frequency storm.
 - b. The public drainage system shall be designed to convey the 100-year frequency storm within defined public rights-of-way or drainage easements.
3. Detention Policy
 - a. No Increase in Site Discharge - A developer shall develop the property so that the rate of runoff created by the development as it leaves the property does not exceed the rate of runoff that is currently occurring in the existing conditions.
 - b. No Offsite Adverse Impacts - Land development shall not cause increase inundation of any building or roadway surface or create any additional adverse flooding impacts upstream or downstream of the proposed development. Engineer shall perform a downstream drainage assessment as described in Section 8.21 - Drainage Study Guidelines.
 - c. The conditions specified in 3.a. and 3.b. above shall be achieved for the 2-, 10-, 25-, and 100-year frequency storms.
 - d. Exemptions - A developer or builder of property greater than one-half (1/2) acre must follow the above detention requirements.
4. Alternative Methods. Methods of design other than those indicated herein may be considered in those cases where experience indicates they are appropriate. However, any variations from the practices established herein must have the expressed written approval from the City Engineer.
5. Additional Measures. If any condition requiring additional measure of protection is identified by the City Engineer during design or construction, the engineer shall make provisions within the design.
6. Safety. Where a portion of the stormwater facility in public right-of-way or easement has either an interior slope or wall steeper than three feet (3') horizontal to one foot (1') vertical with a height exceeding three feet (3') above adjacent ground, barrier-type fences at least six feet (6') high, and/or steel grating are required.
7. Non-erosive Outfalls. Discharge from storm drains, culverts, ditches, ponds shall not cause channel, bluff, or stream bank erosion. If the discharge is to an open drainage facility, the applicant must show acceptable non-erosive conveyance to that drainage facility, and appropriately designed outfall including adequate energy dissipation, which may include stream stabilization.
8. Drainage Easements
 - a. General. Easements shall be provided, where necessary, for all drainage courses in and across property to be platted. An easement or right-of-way must be of sufficient width to provide continuous access for the operation, maintenance, or repair of a drainage facility or conveyance of stormwater.
 - b. Open Channels. Easement width for open or lined channels shall be at least twenty feet (20') wider than the top of the channel, fifteen feet (15') of which shall be on one side to serve as an access for maintenance purposes.
 - c. Storm Drains. A minimum of fifteen feet (15') in width with an additional two feet (2') of easement for every one foot (1') of depth over eight feet (8').
 - d. Detention Facilities. Easements shall be provided for all regional detention facilities and for other detention facilities where two or more owners or the City are responsible for maintenance.

- e. Property Lines. Easements shall not be centered on a property line when required alongside lot lines.
 - f. Floodplains. A drainage easement shall be dedicated to encompass the City of Taylor floodplain and the easement provided on preliminary and final plats.
9. Computations - Computations to support all drainage designs shall be submitted. The computations shall be in such a form to allow for timely and consistent review and also to be made a part of the permanent City record for future reference. All computations shall be certified by a professional engineer registered in the State of Texas.
 10. Positive Overflow at all Low Points. The approved drainage system shall provide for positive overflow at all low points and these areas must be denoted on the plans as such. The term "positive overflow" means that when the inlets do not function properly or when the design capacity of the conduit is exceeded, the excess flow can be conveyed overland along a grassed or paved course. Normally, this would mean along a street or alley, or shall require the dedications of special drainage easements on private property.

8.2 RUNOFF CALCULATIONS

1. Methodology. Numerous methods of rainfall-runoff computation are available on which the design of storm drainage and flood control systems may be based. The selection of which method to use for calculating runoff depends upon the size of the contributing drainage area at the most downstream point of the project. The "Rational Method" is acceptable for designing projects in which the drainage area is less than one-hundred (100) acres or with times of concentration totaling two (2) hours or less. The National Resources Conservation Service (formerly the Soil Conservation Service) curve number method shall be used for detention sizing and for drainage areas larger than one-hundred (100) acres but may also be used for smaller drainage areas. The NRCS hydrologic methods are available in the NRCS National Engineering Handbook (NEH) and the US Army Corps of Engineers' Hydrologic Engineering Center's HEC-HMS programs. The method of analysis must remain consistent when drainage areas are combined. The method used for the largest combined drainage area should be used for the smaller drainage areas comprising that area. Regardless of drainage area size, certain situations require the use of NRCS hydrologic methods (e.g. a detention facility connected to a downstream storm drainage system). The engineer may use other methods but must have their acceptability approved by the City.
2. Watershed Land Use Conditions. Runoff computations shall be based upon existing off-site land use watershed conditions. Aerial photographs, GIS base maps, physical surveys, as-built plans, etc. should be used as aids in establishing surface character of the existing land use condition.
3. Upstream Detention Facilities. The design engineer shall size drainage facilities by disregarding the detention effects of upstream property and calculating the runoff as if the off-site property was developed without any detention. If an approved regional detention/retention facility is in operation, the design engineer may size downstream drainage facilities based on consideration of the detention effects of the regional facility with written approval from City Engineer. A regional detention/retention facility is defined as having a contributing drainage area of over sixty-four (64) acres.

8.3 DESIGN RAINFALL

Rainfall Depth-Duration-Frequency (DDF) and Intensity-Duration-Frequency (IDF) values are provided in Tables 8-1 and 8-2. These values were developed based on NOAA Atlas 14, Volume 11, Version 2 data, at a specified location within the Brushy Creek Watershed (Latitude: 30.5317°, Longitude: -97.4774°), in accordance with Williamson County recommendations.

Table 8-1: Depth-Duration-Frequency (DDF) Table for City of Taylor

Depth of Precipitation (in inches)										
Recurrence Interval (year)	5-min	10-min	15-min	30-min	1-hr	2-hr	3-hr	6-hr	12-hr	24-hr
2	0.520	0.829	1.040	1.470	1.910	2.350	2.610	3.050	3.490	3.970
5	0.650	1.040	1.300	1.820	2.390	2.990	3.360	3.980	4.580	5.200
10	0.761	1.220	1.520	2.120	2.800	3.570	4.050	4.860	5.610	6.380
25	0.921	1.470	1.830	2.550	3.390	4.410	5.080	6.190	7.180	8.170
50	1.050	1.680	2.090	2.900	3.850	5.110	5.940	7.320	8.530	9.700
100	1.180	1.900	2.350	3.250	4.350	5.870	6.910	8.620	10.100	11.500
200	1.320	2.110	2.610	3.630	4.890	6.730	8.020	10.100	11.900	13.500
500	1.500	2.380	2.980	4.150	5.660	7.990	9.650	12.300	14.600	16.700

Table 8-2: Intensity-Duration-Frequency (IDF) Table for City of Taylor

Intensity of Precipitation (in inches per hour)										
Recurrence Interval (year)	5-min	10-min	15-min	30-min	1-hr	2-hr	3-hr	6-hr	12-hr	24-hr
2	6.240	4.970	4.170	2.930	1.910	1.180	0.868	0.510	0.290	0.165
5	7.800	6.220	5.190	3.640	2.390	1.500	1.120	0.665	0.380	0.217
10	9.130	7.300	6.080	4.250	2.800	1.780	1.350	0.812	0.466	0.266
25	11.100	8.840	7.330	5.110	3.390	2.210	1.690	1.030	0.596	0.340
50	12.600	10.100	8.340	5.790	3.850	2.550	1.980	1.220	0.708	0.404
100	14.200	11.400	9.390	6.510	4.350	2.940	2.300	1.440	0.838	0.478
200	15.800	12.600	10.500	7.260	4.890	3.370	2.670	1.690	0.988	0.564
500	18.000	14.300	11.900	8.310	5.660	3.990	3.210	2.060	1.210	0.694

8.4 TIME OF CONCENTRATION

1. Definition. The time of concentration is the time for surface runoff to flow from the most remote point in the watershed to the point of interest. This applies to the most remote point in time, not necessarily the most remote point in distance. Runoff from a drainage area usually reaches a peak at the time when the entire area is contributing. However, runoff may reach a peak prior to the time the entire drainage area is contributing if the area is irregularly shaped or if land use characteristics differ significantly within the area. Sound engineering judgment should be used to determine a flow path representative of the drainage area and in the subsequent calculation of the time of concentration.
2. Methods. The preferred procedure is the NRCS method as described in NRCS's Technical Release 55 (TR-55). Procedures for this method are outlined in the City of Austin DCM Section 2.4.2 and TxDOT Hydraulic Manual Chapter 4.
3. The minimum time of concentration for any drainage area shall be five (5) minutes.
4. Sheet flow for both natural (undeveloped) and developed conditions should be limited to a maximum of one-hundred feet (100').
5. The minimum slope used for calculation of sheet and shallow flow travel time components should be 0.005 feet per foot (0.5%).

8.5 RATIONAL METHOD

1. Definition. The Rational Method is based on the principle that the maximum rate of runoff from a given drainage area for an assumed rainfall intensity occurs when all parts of the area are contributing to the flow at the point of discharge.
2. Methodology. The formula for calculation of runoff by the "Rational Method" is:

$$Q = CIA \text{ (Eq. 8-1)}$$

Where:

Q = The maximum rate of discharge, expressed in cubic feet per second

C = Coefficient of Runoff

I = Intensity of Runoff in inches per hour

A = Drainage Area in acres

3. Runoff Coefficient (C)
 - a. Definition. The proportion of the total rainfall that will reach the drainage system depends on the surface vegetation condition, soil type, imperviousness of the surface, land slope and ponding characteristics of the area. Impervious surfaces, such as asphalt pavements and roofs of buildings, will be subject to approximately one-hundred percent (100%) runoff (regardless of the slope).
 - b. Methodology. Suggested coefficients with respect to specific surface types are provided below.

Table 8-3: Rational Method Runoff Coefficients for Composite Analysis

Character of Surface	Return Period						
	2-year	5-year	10-year	25-year	50-year	100-year	500-year

DEVELOPED							
Asphaltic	0.73	0.77	0.81	0.86	0.90	0.95	1.00
Concrete	0.75	0.80	0.83	0.88	0.92	0.97	1.00
Grass Areas (Lawns, Parks, etc.)							
Poor Condition* (Grass cover less than 50% of the area)							
Flat, 0-2%	0.32	0.34	0.37	0.40	0.44	0.47	0.58
Average, 2-7%	0.37	0.40	0.43	0.46	0.49	0.53	0.61
Steep, over 7%	0.40	0.43	0.45	0.49	0.52	0.55	0.62
Fair Condition** (Grass cover on 50% to 75% of the area)							
Flat, 0-2%	0.25	0.28	0.30	0.34	0.37	0.41	0.53
Average, 2-7%	0.33	0.36	0.38	0.42	0.45	0.49	0.58
Steep, over 7%	0.37	0.40	0.42	0.46	0.49	0.53	0.60
Good Condition*** (Grass cover larger than 75% of the area)							
Flat, 0-2%	0.21	0.23	0.25	0.29	0.32	0.36	0.49
Average, 2-7%	0.29	0.32	0.35	0.39	0.42	0.46	0.56
Steep, over 7%	0.34	0.37	0.40	0.44	0.47	0.51	0.58
UNDEVELOPED							
Cultivated							
Flat, 0-2%	0.31	0.34	0.36	0.40	0.43	0.47	0.57
Average, 2-7%	0.35	0.38	0.41	0.44	0.48	0.51	0.60
Steep, over 7%	0.39	0.42	0.44	0.48	0.51	0.54	0.61
Pasture/Range							
Flat, 0-2%	0.25	0.28	0.30	0.34	0.37	0.41	0.53

Average, 2-7%	0.33	0.36	0.38	0.42	0.45	0.49	0.58
Steep, over 7%	0.37	0.40	0.42	0.46	0.49	0.53	0.60
Forest/Woodlands							
Flat, 0-2%	0.22	0.25	0.28	0.31	0.35	0.39	0.48
Average, 2-7%	0.31	0.34	0.36	0.40	0.43	0.47	0.56
Steep, over 7%	0.35	0.39	0.41	0.45	0.48	0.52	0.58
1. Composite "C" value for developed conditions (C_{DEV}) is: $C_{DEV} = IC_1 + (1-I)C_2$							
Where: I = Impervious cover, percent C_1 = "C" value for impervious cover C_2 = "C" value for pervious area (grass, lawns, parks, etc.)							
Source: City of Austin Drainage Criteria Manual Table 2-1							

4. Rainfall Intensity (i)

- Definition. Rainfall intensity (i) is the average rainfall rate in inches per hour.
- Methodology. The rainfall intensity is calculated from the Intensity-Duration-Frequency (IDF) curves selected to represent the City of Taylor area. The following equation mathematically represents the City of Taylor area IDF curves deriving a best fit equation for each storm frequency. IDF curves were developed using a cubic spline interpolation of IDF data in Table 8-2:

$$i = a/(t+b)^c \text{ (Eq 8-2)}$$

Where:

i = Average rainfall intensity, inches per hour

t = Storm duration in minutes, which is equal to the time of concentration for the entire drainage area of interest

a, b, and c = Coefficients for different storm frequencies (see Table 8-4)

Table 8-4: Taylor Intensity-Duration-Frequency (IDF) Curve Coefficients

Return Period	Fitting parameters for IDF equation (8-2)		
Year	a	b	c

2	62.96	12.73	0.8150
5	71.39	12.07	0.7930
10	76.23	11.34	0.7723
<u>25</u>	83.02	10.62	0.7480
50	85.98	9.79	0.7273
100	89.08	9.22	0.7072
200	93.79	9.38	0.6901
500	99.17	9.42	0.6677
The a, b, and c parameters listed were derived using nonlinear regression method and the IDF data included in Table 8-2			

8.6 NATURAL RESOURCES CONSERVATION SERVICE (NRCS) HYDROLOGIC METHOD

1. Definition. The NRCS hydrologic method can be applied to urban drainage areas of any size. The primary parameters required to calculate a runoff hydrograph with the method include the rainfall distribution, runoff curve numbers, time of concentration and drainage area.
2. Methodology. The preferred method to apply the SCS method is using the US Army Corps of Engineers (USACE) HEC-HMS model. HEC-HMS can be downloaded from the USACE website at <http://www.hec.usace.army.mil/>.
3. Rainfall Duration and Distribution. The City of Taylor has adopted the use of a 24-hour HEC-HMS frequency storm distribution for use with time-varying rainfall simulations.
4. HEC-HMS Rainfall Distribution
 - a. HEC-HMS Input. The DDF values from Table 8.1 should be entered directly into HEC-HMS software as frequency storm meteorologic models. HEC-HMS will generate the appropriate rainfall distribution for each recurrence interval. The Atlas 14 depths provided are based on a partial-duration analysis; no partial-to-annual output conversion is required.
 - b. HEC-HMS Parameters. For use of the frequency storm in HEC-HMS for the evaluation of the 24-hour event, the meteorological model parameters should be set as follows:
 - 1) Input Type: Partial Duration (NOAA Atlas 14 precipitation frequency estimates are based on analysis of partial duration series)
 - 2) Output Type: Annual Duration
 - 3) Intensity Duration: 5 Minutes
 - 4) Storm Duration: 1 Day
 - 5) Intensity Position: 50 Percent
 - 6) Storm Area (mi ²): Blank for areas less than 10 sq. miles. Use areal reduction for larger areas.

7) Curve: Uniform for All Subbasins

- c. The computational time interval for computer simulations should be selected based on criteria for the minimum lag time in a given model. The computational time interval used in a HEC-HMS model should be no more than 6 minutes.

5. Conservation Service Runoff Curve Numbers

- a. Definition: The NRCS has developed an index, the runoff curve number, to represent the combined hydrologic effect of soil type, land use, agricultural land treatment class, hydrologic condition, and antecedent soil moisture. These watershed factors have the most significant impact in estimating the volume of runoff, and can be assessed from soil surveys, site investigations and land use maps.
- b. Methodology: Reference Table 8-5 for NRCS index values.
- c. Antecedent Moisture Condition (ARC) II represents the average condition and shall be used.
- d. When calculating peak runoff rates the undeveloped curve number shall be used and the impervious cover entered separately to represent existing and proposed development.
- e. The NRCS Soil Survey of Williamson County provides soil hydrologic information.

6. Lag Time

- a. Definition. The lag time, defined as the time between the center of mass of excess rainfall to the runoff peak, is typically used in the HEC-HMS implementation of the SCS methodology.
- b. Methodology: The lag time can be estimated with equation 8.3.

$$T_{lag} = 0.6 T_c \text{ (Eq. 8.3)}$$

Where:

T_c = Time of Concentration (see Section 8.4 above)

Table 8-5 NRCS Runoff Curve Numbers for Urban Areas and Agricultural Lands (assuming ARC-II condition)

Cover Description	Avg. % Impervious Area ¹	Curve Numbers for Hydrologic Soil Group			
Cover Type and Hydrologic Condition		A	B	C	D
Fully developed urban areas (vegetation established)					
Open space (lawns, parks, golf courses, cemeteries, etc.)					
Poor condition (grass cover 50%)		68	79	86	89

Fair condition (grass cover 50% to 75%)		49	69	79	84
Good condition (grass cover 75%)		39	61	74	80
Impervious areas:					
Paved parking lots, roofs, driveways, etc. (excluding right-of- way)		98	98	98	98
Streets and roads					
Paved: curbs and storm drains (excluding right-of- way)		98	98	98	98
Paved: open ditches (including right-of- way)		83	89	92	93

	Gravel (including right-of- way)		76	85	89	91
	Dirt (including right-of- way)		72	82	87	89
Developing urban areas						
	Newly graded areas (pervious areas only, no vegetation)		77	86	91	94
Agricultural lands						
	Pasture, grassland, or range- continuous forage for grazing ²	Poor	68	79	86	89
		Fair	49	69	79	84
		Good	39	61	74	80
	Meadow- continuous grass, protected from grazing & mowed for hay		30	58	71	78
	Brush- brush-weed, grass mixture	Poor	48	67	77	83
		Fair	35	56	70	77

with brush the major element ³	Good	30	48	65	73
Woods- grass combination (orchard or tree farms) ⁴	Poor	57	73	82	86
	Fair	43	65	76	82
	Good	32	58	72	79
Woods ⁵	Poor	45	66	77	83
	Fair	36	60	73	79
	Good	30	55	70	77
Farmsteads - buildings, lanes, driveways and surrounding lots		59	74	82	86

1. Average runoff condition, and $I_a = 0.2s$

2. Poor: less than 50 percent ground cover or heavily grazed with no mulch

Fair: 50 to 75 percent ground cover and not heavily grazed

Good: greater than 75 percent ground cover and lightly or only occasionally grazed

3. Poor: less than 50 percent ground cover

Fair: 50 to 75 percent ground cover

Good: greater than 75 percent ground cover

4. Curve numbers shown were computed for areas with 50 percent woods and 50 percent grass (pasture) cover. Other combinations of conditions may be computed from the curve numbers for woods and pasture

5. Poor: Forest litter, small trees and brush are destroyed by heavy grazing or regular burning

Fair: Woods are grazed but not burned, and some forest litter covers the soil

Good: Woods are protected from grazing, and litter and brush adequately cover the soil

Source: NRCS TR-55: Urban Hydrology for Small Watersheds

8.7 DESIGN STORM FREQUENCIES

1. All developments submitted must provide data for the following design storm frequencies: 2-Year/10-year/25-Year/100-Year.
2. Design recurrence interval for various drainage facilities:

Table 8-6: Design Recurrence Interval for various Drainage Facilities

Drainage Facility	Design Recurrence Interval
Closed Storm Drain Systems	25-year with 100-year positive overflow in streets such that the depth of flow in the street does not exceed the right-of-way or drainage easement
Closed Storm Drain Systems and Inlets at Street Low Point or Sag	100-year with positive overflow
Culverts and Bridges	100-year
Concrete-lined Channels	100-year
Earthen Channels	100-year

8.8 STREET DRAINAGE

1. Streets and alleys. Streets and/or alleys in combination with storm drains and/or roadside swales within new developments shall be designed so that storm water runoff resulting from a design storm of a 100-year frequency is contained within the available right-of-way and/or drainage easement.
2. Permissible Spread of Water. The flow of water in gutters of typical streets during the 25-year frequency storm shall be contained below the top of curb and shall maintain the clear with as provided in Table 8-7 below.

Table 8-7: Minimum Clear Width for Roadway Design when Gutter is Flowing Full

Roadway Type	Minimum Clear Width (feet)
Local	0
Collector (Residential or Neighborhood)	12
Collector (all others)	12 feet in each direction
Arterial (4 lanes one way or 8 lanes divide)	24 feet in each direction

Arterial (all others)	12 feet in each direction
-----------------------	---------------------------

3. Design Method.
 - a. Methodology. HEC-22, FHWA-NHI-10-009 provides acceptable equations to calculate gutter flow for straight and parabolic crowned pavement sections. This method is outlined in the City of Austin DCM Section 3.3.0.
 - b. Gutters shall have a minimum slope of 0.004 feet per foot (0.4%) to ensure scouring velocities for low flows.
4. Street Cross Flow. Cross-flow is allowed only in case of superelevation of a curve or overflow from the higher gutter on a street with cross fall. No more than three cubic feet per second (3 cfs) for the 25 year storm even shall be allowed to cross flow from the higher elevation to the lower elevation.
5. No lowering of the standard height of street crown shall be allowed for the purposes of obtaining additional hydraulic capacity.
6. Driveways Crown. At some point within the first ten feet (10') from the edge of the roadway gutter, the entire width of a driveway shall have the same or greater elevation as the top of the curb at the edge of the roadway.

8.9 INLETS

1. Inlet Placement.
 - a. The storm drain system is to begin at the point where the storm water in the street reaches top of curb depth or the permissible spread of water as allowed for the type of street (ref Table 8-7). At such point where the combined capacity of the street and storm drain system satisfies the 25-year street capacity criteria (as previously described) but the 100-year frequency storm runoff cannot be contained within the right-of-way additional pick-up points (inlet capacity) shall be provided along with an increase in storm drain capacity so that the 100-year frequency storm runoff will be contained within the right-of-way.
 - b. Inlets shall be placed upstream from an intersection whenever possible and is required when more than three (3) cfs for the 25-year frequency storm flows across the intersection.
 - c. No more than three (3) cfs for the 25-year frequency storm shall be allowed to enter the bulb of a cul-de-sac or corner bubble.
 - d. Inlets shall not be placed inside the curb return.
 - e. At any intersection, only one street shall be crossed with surface drainage and this street shall be the lower classified street. When an alley intersects a street, inlets shall be placed in the alley whenever flow down that alley would cause the capacity of the intersecting street to be exceeded.
3. Inlet Capacity
 - a. Methodology to calculate the interception capacity of inlets is provided in the City of Austin DCM Section 4.3.
 - b. The minimum inlet size shall be ten feet (10').
 - c. No more than twenty feet (20') of inlet shall be placed along one gutter at any given location.
4. Inlet Type
 - a. Curb inlets shall be used to intercept surface runoff for curb and gutter streets.
 - b. Grate inlets, combination inlets, and slotted/trench drains are discouraged from use due to the tendency of grates and slotted drains to clog. Prior approval of their use and application of appropriate clogging factor is required from the City Engineer.

8.10 STORM DRAINS

1. Design Guidelines

a. Sizing

- 1) Minimum Size: eighteen inches (18") in diameter or height for arches and boxes.
- 2) Storm drain shall be sized to flow full.
- 3) Select storm drain size and slope so that the velocity of flow will increase progressively or at least will not appreciably decrease at inlets, bends or other changes in geometry or configuration.

b. Material.

- 1) Pipe. Stormwater shall be carried in reinforced concrete pipe (RCP), ASTM C76, minimum class III. The engineer shall provide load analysis as appropriate to demonstrate that class of pipe used is sufficient for the loading conditions. Higher strength pipes shall be used where loadings warrant such.
- 2) Manholes and Junction Boxes. Shall be reinforced concrete.

c. Layout

- 1) At changes in conduit size, the soffit (top inside surface), not the flow line, of the two conduits should be aligned, where practical.
- 2) Do not discharge the flow of a larger conduit into a smaller conduit.
- 3) No proposed pipe having a diameter greater than fifty percent (50%) of the minimum dimension of an existing box culvert shall be allowed to discharge into that box culvert. Exceptions must be justified by structural engineering analysis.
- 4) Flow Path Intersections. For all pipe junctions other than a manhole, the angle of intersection between any two flow paths shall not be greater than forty-five (45) degrees. This includes discharges into box culverts and channels.
- 5) Storm drains between lots (crossing blocks) shall be avoided as much as possible. When unavoidable, such mains shall be laid along a straight alignment (absent of curves, jogs, and manhole/junction boxes when traversing between lots) with manholes/junction boxes provided at each intersecting street.
- 6) Storm drains along rear of residential lots (through back yards) should be avoided.

2. Conduit Flow

- a. All conduit shall be designed by direct solution of the Continuity Equation and Manning's Equation.

$$Q = AV \text{ (Eq. 8.4)}$$

$$Q = (1.49/n)AR^{2/3}S^{1/2} \text{ (Eq. 8.5)}$$

Where:

Q = Pipe flow, cfs

A = Cross-sectional area of flow, ft²

V = Velocity of flow, ft/sec

n = Coefficient of roughness of pipe (n = 0.013)

R = Hydraulic radius = A/W_p, ft

S = Friction slope in pipe, ft/ft

W_p = Wetted perimeter, ft

- b. Minimum and Maximum Velocities in Conduits
 - 1) The minimum velocities in conduit shall be two and a half feet per second (2.5 fps) for the 25-year frequency storm.
 - 2) Maximum velocity in the pipe shall not exceed fifteen feet per second (15 fps) for the 25-year frequency storm.
3. Hydraulic Gradient
 - a. Maximum Hydraulic Gradient. The hydraulic grade line shall remain below the surface of the ground or street for the 25-year storm event.
 - b. Hydraulic Calculations. Hydraulic gradient calculations shall account for all friction and minor head losses that may occur in the storm drain line and start from an appropriate tailwater elevation.
 - 1) Friction Losses. Shall be determined by direct application of Manning's Equation.
 - 2) Minor Losses. Minor losses are caused from turbulence in the storm drain system and can include: manholes, junctions, bends, curves, entrance and exit losses, enlargements, and contractions. City of Austin DCM Section 5.5.2 outlines procedures for estimating minor losses.
 - 3) Tailwater
 - a) Design engineer to calculate the appropriate tailwater elevation or use the results from a detailed hydraulic study.
 - b) The use of coincident frequencies is not encouraged (i.e. use 25-year tailwater for 25-year storm drain analysis).
 - c) In no case shall the tailwater be assumed below top of pipe.
4. Manholes and Junction Boxes
 - a. Manholes or junction boxes are required:
 - 1) Every three hundred feet (300');
 - 2) At every change in pipe size;
 - 3) Where two or more laterals intersect the main line within five feet (5') of each other; and
 - 4) To meet maintenance path requirements.
 - b. Maintenance Path. Provide a maintenance path from one access point to another within the storm drain that meets the following requirements:
 - 1) Path has no more than one horizontal bend, with that bend having a deflection of no more than forty-five (45) degrees in the direction of the maintenance path.
 - 2) Path has no vertical bend with a deflection of greater than five (5) degrees.
 - 3) Access points can include manhole/junction boxes, inlets, and storm drain outfalls.
 - c. Junction boxes in lieu of manholes shall be provide where any pipe opening exceeds thirty-seven (37") inches and where the distance from the outside surfaces of any two pipes entering a manhole is less than one (1') foot, measured along the inside of the manhole.
 - d. Manholes are to be a minimum four (4') feet in diameter and shall be precast or cast in place if approved by City Engineer.
5. Conduit Outfalls
 - a. Maximum Discharge Velocity. The maximum discharge velocities in the conduit shall also not exceed the permitted velocity of the receiving channel or conduit at the outfall to prevent erosive conditions. The maximum outfall velocity of a conduit in partial flow shall be computed for partial depth and shall not

exceed the maximum permissible velocity of the receiving channel unless controlled by an appropriate energy dissipater (e.g. stilling basins, impact basins, riprap protection).

b. Stabilization.

- 1) Outfall and Stabilization Location. Locate the outfall away from existing eroded banks in the most stable location available. The location of the outfall, armoring, and channel stabilization must consider the location of existing infrastructure and utilities and provide adequate horizontal and vertical separation so as not to obstruct access or maintenance, nor adversely impact the infrastructure.
- 2) Outfall Orientation. The angle of intersection between the outfall flow path and the channel flow path shall not be greater than 45-degrees.
- 3) Bank and Bed Armoring. The surrounding banks and bed shall be appropriately armored or made geotechnically stable, so as to sufficiently resist erosive forces. Armor below the outfall shall extend from the toe of the bank into the channel equal to a length ten times the pipe diameter. For channel bottom widths less than ten times the pipe diameter, armoring shall extend up the opposite bank to an elevation equal to that of the top of the pipe.
- 4) Armor Type. Flexible armor, such as rock riprap, shall be utilized for bed and bank stabilization in erodible channels.

c. Drop Height

- 1) The drop height from a conduit invert to a receiving channel or detention pond shall be one foot (1') to limit local erosion and to allow for potential sedimentation.
- 2) Concentrated discharges on steep embankments, ravine slopes, or high bluffs shall be avoided.

8.11 CULVERTS

1. Methodology. The Federal Highway Administration HDS 5 and the TxDOT Hydraulic Manual have published guidance for the hydraulic design of culverts. Their guidance shall be used to perform culvert designs that meet the City's performance criteria.
2. Minimum Size. The minimum allowable culvert size for roadway crossings shall be eighteen inches (18") in diameter or height for boxes.
3. Material. All culverts shall be made of reinforced concrete, and shall be constructed of Class-III or better.
4. Culvert placement
 - a. Horizontal alignment. Culverts shall be skewed such that impacts due to the flood and normal flow angles of attack on the structure are minimized. The culvert axis should match the natural channel alignment upstream and downstream whenever practical.
 - b. Vertical alignment. Place the upstream and downstream flow line elevations at the same elevations as the existing streambed whenever practical. Depressed entrances should be avoided.
5. Culvert Headwalls
 - a. Shall be constructed at the ends of all culverts to anchor the culvert in order to prevent movement due to hydraulic and soil pressure, to control erosion and scour resulting from excessive velocities and turbulence, and to prevent adjacent soil from sloughing into the waterway opening.
 - b. All headwalls shall be constructed of reinforced concrete and may be either straight-parallel, flared or warped. They may or may not require aprons, as determined by site conditions. The following guidelines can be used to aid in the selection of the type of headwall.
 - 1) Parallel Headwalls. Approach velocities are low (below six feet (6) per second) and backwater pools are permitted.

- 2) Flared Headwalls. Approach velocities are between six (6) and ten (10) feet per second. Ample right-of-available.
 - 3) Warped Headwall. Approach velocities are between eight (8) and twenty (20) feet per second.
Warped headwalls are effective with aprons to accelerate flow through the culvert.
 - c. Headwalls should be aligned with the direction of the receiving flow when discharging into a waterway.
 - d. Precast headwalls and endwalls may be used if all other criteria area satisfied; generally precast headwalls/endwalls are available for smaller culverts eighteen (18") and twenty-four (24") inches in diameter.
 - e. The safety ends or headwalls shall be constructed in accordance with TxDOT standards as required by the physical conditions of the particular installation. Rock rip-rap or other suitable erosion control may be required at each location as supplemental protection.
6. Hydraulics
- a. Freeboard. One foot (1') of freeboard is required between the 100-year water surface elevation and any top of curb or roadway crown elevation, whichever is lower.
 - b. Culvert hydraulic grade line calculations shall consider both inlet and outlet control. Tailwater conditions should be considered for outlet control conditions.
 - c. The maximum velocity through a culvert shall be fifteen feet per second (15 fps) during the 25-year frequency storm. A minimum velocity through a culvert shall be two and one-half feet per second (2.5 fps) during the 25-year frequency storm.
7. Stream Stability
- a. Stream stability shall be assessed when determining the number of barrels, height and width and culvert skew. Potential for scour shall be accounted for in the design.
 - b. Stream degradation. The local condition of the channel reach should be evaluated to determine if there is degradation present. If channel degradation is anticipated then the design should accommodate for future erosion.
 - c. If a depressed entrance is used then an upstream apron should be designed to prevent progressive degradation of the upstream channel and the potential for deposition should be considered.
 - d. Outlet velocities
 - 1) When the outlet velocity exceeds the allowable erosive velocity in the downstream channel, channel erodibility and local scour potential should be evaluated and taken into account. A flexible armoring system is preferred in streams subject to erosion.
 - 2) Hydraulic jumps shall not be allowed from face of culvert to fifty feet (50') from the culvert.
 - e. Erosion protection measures. A flexible armoring system is preferred in streams subject to erosion. Where energy dissipation is needed at a culvert outlet, a rock riprap basin is preferred over rigid structures (see HEC-14 for design guidelines).
 - f. Multiple boxes. If multiple boxes or culverts are necessary, different flowline elevations for each structure should be evaluated. The culverts at the center of the channel should be lower to match with the existing natural channel with the outlying culverts raised up to more closely coincide with the natural channel "terrace" elevation. This will help minimize sedimentation in the outlying culverts, help preserve the integrity of the channel system, and reduce maintenance costs.

8.12 BRIDGES

1. Methodology. The Federal Highway Administration and the TxDOT Hydraulic Manual have published guidance for the hydraulic design of bridges. Their guidance shall be used to perform bridge designs that meet the City's

- performance criteria.
2. Construction Plans. Bridge details may be adaptations of the current Texas Department of Transportation (TxDOT) Standards.
 3. Freeboard. One foot (1') of freeboard is required between the 100-year water surface elevation and any top of curb or roadway crown elevation, whichever is lower.
 4. Bridge configuration. The skew of the bridge piers and abutments shall be oriented as close to the normal or flood direction of flow resulting in an angle of attack as close to zero (0) degrees as possible.
 5. Hydraulic modeling. Computer modeling programs used for the hydraulic analysis of bridges shall be HEC-RAS.
 6. Stream stability
 - a. Stream stability shall be assessed when designing the abutments and interior bents of the bridge. Scour shall be accounted for in the design.
 - b. Flow shall not be supercritical in an area from one-hundred feet (100') upstream from a bridge to twenty-five feet (25') downstream from a bridge.

8.13 CHANNELS

1. Natural Channels
 - a. Definition. Include all watercourses that have been carved by nature through erosion.
 - b. USACE Section 404. When a project proposes to modify a natural channel the design engineer should check the requirements of Section 404, Permits for Dredged or Fill Material, of the Clean Water Act. If required, permit authorization should be obtained from the USACE by the design engineer.
 - c. Channels may be left in their natural state provided that the channel velocities are six feet per second (6 fps) or less for all design storms up to the 100-year frequency storm and that one foot (1') of freeboard is available during the design storm event.
2. New or Altered Channels
 - a. Definition. Constructed or existing channels that have been significantly altered by human effort.
 - b. Grass-lined channels are the preferred type of new or altered channel.
3. Configuration
 - a. Side Slopes. Minimum side slopes of four feet horizontal to one foot vertical (4:1) for earthen or as recommended from a geotechnical analyses, and two feet horizontal to one foot vertical (2:1) for concrete-lined side slopes.
 - b. Curvature. The center line curvature shall have a minimum radius of twice the top width of the 100-year frequency storm flow.
 - c. Channel Slope. The flow line slope of the channel shall be a minimum of two (2%) percent unless the velocity for the 2-year frequency storm flow is greater than two feet per second (2 fps), in which case the channel slope may be a minimum of one percent (1%). Compliance with this requirement must take into account the variation in channel flow due to distributed inflows to the channel. A reinforced concrete pilot channel must be used if the channel slope is less than one percent (1%). The pilot channel must be at least four feet (4') wide, two inches (2") deep, and be capable of withstanding vehicular loading. Any grass-lined portion of the channel bottom must have a slope of at least two percent (2%) from that portion to the concrete-lined pilot channel. However, no open channel flow line slope may be less than one-half percent (0.5%).
 - d. Bottom Width. The minimum flat bottom width of the channel is three feet (3').
 - e. Freeboard. The channel shall be designed to accommodate existing and fully-vegetated conditions. The flow from the 100-year frequency storm must be contained within the new or altered channel while

allowing for one foot (1') of freeboard. Superelevation of the water surface shall be determined at all horizontal curves which deviate more than 45 degrees off the projected centerline. Freeboard shall not be obtained by the construction of levees.

4. **Maximum Velocity.** The velocities below are maximum allowable in each situation for the 100-year frequency storm event and includes all transitions to or from channels and waterways with similar or different materials. If a lower velocity cannot be achieved, velocity attenuation devices must be constructed or installed.
 - a. **Grass-Lined Channels.** Six feet per second (6 fps)
 - b. **Lined Channels.** Fifteen feet per second (15 fps)
5. **Minimum Velocity.** The minimum permissible velocity for the 2-year frequency storm is 2 fps.
6. **Lining Type**
 - a. **Grass-Lined.** Use low maintenance vegetation for vegetative cover, as approved by the City Engineer prior to planting. All slopes shall be hydromulched, sodded or seeded with approved grass, grass mixtures or ground cover suitable to the area and season in which they are applied. Seeded side slopes shall be lined with erosion protection matting.
 - b. **Lined Channels.** Types such as concrete, rock walls and gabions may be used upon approval of the City Engineer. Articulating concrete block flexible channel linings with the approval of the City Engineer are preferred over reinforced concrete lining.
 - c. **Rock Rip-Rap.** Must be six inch (6") diameter rock or greater.
 - d. **Roughness Coefficients**
 - 1) Any convenient, published design guide can be referenced for these values. The City of Austin DCM Section 6.2.0 describes an acceptable procedure to determine appropriate Manning 'n' values.
 - 2) Roughness coefficients for new channels shall represent fully-vegetated conditions with appropriate maintenance measures applied.
7. **Channel Stability**
 - a. **General.** All channel sections must consider and account for channel bed and bank stabilization in their design. This requirement pertains to all sections whether they are left in their natural condition or are modified in any manner. The design of all drainage channels and swales shall assure adequate capacity and minimum maintenance to overcome the result of erosion, silting, sloughing of bends or similar occurrences.
 - b. **Concrete-lined Channels.** In concrete-lined channels the probability of achieving supercritical flow is greatly increased. The designer must take care to ensure against the possibility of unanticipated hydraulic jumps forming in the channel in considering the 25- and 100-year frequency storms. Flow with a Froude number equal to one (1) is unstable and should be avoided. If supercritical flow cannot be avoided, then freeboard and superelevation must be determined. In addition, all channels carrying supercritical flow shall be continuously lined with reinforced concrete.
 - b. **Channel Drop Structures.** The function of a drop structure is to reduce channel velocities by allowing for flatter upstream and downstream channel slopes. The City of Austin DCM Section 6.5.0 describes two commonly used drop structures.
 - c. **Energy Dissipators.** Energy dissipators are used to dissipate excessive kinetic energy in flowing water that could promote erosion. An effective energy dissipator must be able to retard the flow of fast moving water without damage to the structure or to the channel below the structure. There are several types of energy dissipators such as impact type (baffled outlets and aprons), and hydraulic jump type (stilling basins). For more information, reference 'Hydraulic Design of Stilling Basins and Energy Dissipators' published by the U.S. Bureau of Reclamation.

8. Maintenance Access. Maintenance access shall be provided on one side of the channel. See easement requirements 8.1.
9. Hydraulic Calculations. Manning's Equation can be used to design channels/swales and determine water surface elevations and velocities when backwater effects are negligible. Channels/swales where backwater effects occur must be designed using HEC-RAS.

8.14 ROADSIDE SWALES AND DRIVEWAY CULVERTS

1. Roadside Swales. Roadside swales may be used along all roadways to convey drainage in accordance with the above channel criteria with the exception of the following specific roadside swale criteria.
 - a. Design Capacity. Swales shall be designed to carry a 100-year frequency storm and the back water effects of the most restrictive culvert to be placed in the swale.
 - b. Depth: Shall at all times maintain a minimum depth of thirty inches (30").
 - c. Easements. The entire swale should be contained within the ROW of the road. If the swale cannot be contained additional ROW may be required. A second option would be to provide a minimum sixteen foot (16') drainage easement and the following note on the plat:

Note: Drainage easements adjacent to roadways shall not be fenced and must be left so that access can be obtained for maintenance purposes.
2. Driveway Culverts
 - a. Applicability. All driveways and driveway culverts are the responsibility of the individual lot owner or developer. It is the developer's responsibility to ensure that all lot owners are aware of this requirement.
 - b. Material. All culverts shall be made of reinforced concrete, and shall be constructed of Class-III or better.
 - c. Minimum Size: The minimum allowable culvert size for driveway crossings shall be eighteen inches (18") in diameter.
 - d. Gradient. Culverts shall have a minimum bottom slope of 0.5%.
 - e. Length. Culverts shall not be greater than fifty feet (50').
 - f. Minimum Cover. A minimum of six inches (6") of cover shall be placed above all new culverts below the lowest bank of the ditch.
 - g. Multiple Culverts. Where multiple culverts occur in swales, the ditch bottom must be widened to have a bottom width that is six inches (6") greater on each side than the distance from the outside walls of the outer two culverts. Each culvert shall also be separated by six inches (6") of compacted fill material.
 - h. All driveway culverts must be installed prior to issuance of building permits or construction activities on the individual lot.
3. Crossing Culverts
 - a. Crossing culverts shall be placed to relieve drainage at all low-points and drainage crossings and shall meet the requirements of Section 8.11, Culverts.
 - b. All culverts and related structures that are a part of the road construction shall be in place prior to final acceptance of the improvements for the subdivision.

8.15 DETENTION DESIGN

1. Detention Performance Requirement
 - a. General. Detention shall be configured and sized to meet general detention requirements as stated in Section 8.1.3, which requires 'No Increase in Site Discharge' and 'No Offsite Adverse Impacts' for the 2-, 10-, 25- and 100-year, 24-hour duration frequency storm events. To demonstrate no offsite adverse impacts a downstream impact assessment is required as outlined in Section 8.21.3.

- b. Drawdown Time. Detention facilities shall be designed to empty the detention volume from the time of peak of complete emptying in less than twenty-four (24) hours.
 - c. Freeboard. Dedicated detention/retention basins shall also include an additional one foot (1') of freeboard for the 100-year frequency storm event.
 - d. Parking Lot Detention. Storm runoff may be detained within parking lots. The location of ponding areas should be planned to minimize inconvenience to both pedestrians and traffic and the maximum 100-year ponding depth shall be limited to less than eight inches (8").
2. Detention Analysis Requirements
- a. Hydrograph Routing
 - 1) The volume of detention runoff storage shall be computed using unit hydrograph and storage routing procedures.
 - 2) The effects of tailwater or other outlet control considerations should be considered.
 - 3) When designing ponds in series (i.e., when the discharge of one pond becomes the inflow of another), the analysis must incorporate the construction of hydrographs for all inflow and outflow components.
 - 4) The preferred method to perform this analysis is through application of the NRCS hydrologic method using the Corps of Engineers HEC-HMS models.
 - b. Watershed Land Use Conditions. Any off-site areas which drains to the pond shall be assumed to remain in the existing condition for both pre- and post-development conditions.
 - c. Watershed Floodplain Models. Where applicable, City of Taylor regulatory models should be used as base models for the impact analysis and drainage design associated with development. Users should be aware that floodplain models provided have been developed on a watershed-wide basis and may therefore not be applicable without modification on a site-by-site basis. Regulatory models used for flood insurance purposes should be obtained directly from FEMA.
3. Detention Design Requirements
- a. Embankments
 - (1) Minimum Top Widths

Table 8-8: Embankment Top Widths	
Total Height of Embankment (feet)	Minimum Top Width (feet)
0-6	4
<u>6-10</u>	6
10-15	8
15-20	10
20-25	12
25-35	15

- (2) Compaction. The constructed height of an earthen embankment shall be equal to the design height plus the amount necessary to ensure that the design height will be maintained once all settlement has taken place. This amount shall in no case be less than five percent (5%) of the total fill height. All earthen embankments shall be compacted to 95% of maximum density.
- (3) Side Slopes. Earthen embankment side slopes shall be no steeper than 4 horizontal to 1 vertical (4:1) or as recommended from a geotechnical analyses.
- b. Positive Drainage. A detention facility shall have enough gradient to ensure positive drainage to the outlet structures so as to avoid nuisance conditions such as standing water, odors, insects, and weeds. A minimum slope towards the outlet structure of two percent (2.0%) is required for all grass lined areas and of one-half percent (0.5%) for concrete pilot channels.
- c. Detention Pond Inflow. All concentrated flows into a detention pond shall be collected and conveyed into the pond in such a way as to prevent erosion of the side slopes.
- d. Detention Pond Outlet
 - (1) Outlet Pipes. Shall have a minimum diameter of eighteen inches (18") and be constructed of reinforced concrete.
 - (2) Orifice plates. Orifice plates may be used to further restrict flow area but must be assessable for maintenance and removal of storm debris. Orifice openings smaller than twelve inches (12") should not be used.
 - (3) No outlet structure from detention shall be designed to discharge concentrated flow directly onto arterial or collector streets. Such discharges shall be conveyed by a closed conduit to the nearest existing storm drain or channel. If there is no existing storm drain/channel within three hundred feet (300'), the outlet design shall provide for a change in the discharge pattern from concentrated flow back to sheet flow.
 - (4) Outlet Structure Design. There are two basic types of outlet control structures: those incorporating orifice flow and those incorporating weir flow. Rectangular and V-notch weirs are the most common types. Generally, if the crest thickness is more than sixty percent (60%) of the nappe thickness, the weir should be considered broad-crested. The coefficients for sharp-crested and broad-crested weirs vary. The respective weir and orifice flow equations are provided below. Analytical methods and equations for other types of structures shall be approved prior to use.

Rectangular Weir Flow Equation

$$Q = CLH^{3/2} \text{ (Eq. 8-6)}$$

Where:

Q = Weir discharge, cubic feet per second

C = Weir Coefficient (reference source)

L = horizontal length, feet

H = Head on weir, feet

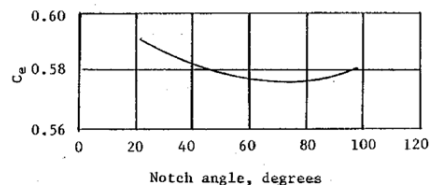
V - notch Weir Flow Equation

$$Q = 4.28C_e \tan(\Theta/2) H^{2.5} \text{ (Eq. 8-7)}$$

Where

Q = Weir Discharge, cubic feet per second

C_e = Weir Coefficient, $25^\circ < \Theta < 100^\circ$



Θ = Angle of the weir notch at the apex (degrees)

H = Head on Weir, feet

Orifice flow equation

$$Q = C_o A (2gH)^{0.5} \text{ (Eq. 8-8)}$$

Where

Q = Orifice Flow, cubic feet per second

C_o = Orifice Coefficient (use 0.6 or reference source)

A = Orifice Area, square feet

g = Gravitation constant, 32.2 feet/sec²

H = Head on orifice measured from centerline, feet

4. Detention Pond Maintenance Requirements

- a. Maintenance Access. Detention ponds shall be designed with adequate area around the perimeter for access and maintenance. Ponds shall have a seven foot (7') wide clear perimeter access strip for ponds with depths of five feet (5') or less (back slopes included) and a minimum of fifteen feet (15') wide clear perimeter access strip for ponds over five feet (5') deep or with back slopes in excess of five feet (5') high. Area shall not slope more than five percent (5%).
- b. Maintenance Plan. The owner shall maintain detention/retention facilities. Detention facilities must be properly maintained to function as intended over a long period of time.
 - (1) Facilities should be mowed at least twice a year to control weeds and discourage woody growth. Vegetation within the basin shall not exceed eighteen inches (18") in height at any time.
 - (2) Debris, litter and accumulated sediment should be removed from detention facilities at least twice a year. Particular attention should be given to removal of debris, litter and sediment around inlet and outlet structures.
 - (3) The structural integrity of detention basins and all appurtenances shall be inspected annually, or more frequently if specified.
 - (4) Corrective maintenance shall occur any time detention drawdown does not occur within twenty-four (24) hours.
 - (5) No unvegetated area shall exceed ten square feet (10 sf) to limit soil erosion potential.
 - (6) Sediment build-up shall be removed when accumulation exceeds six inches (6") in basins, when sediment traps are full, when sediment causes standing water, or when sediment reduces basin storage by more than ten percent (10%).

8.16 DAM SAFETY

1. Applicability. Any hydraulic structure designed to impound storm water that has a height greater than or equal

to six feet (6') at any point along the perimeter to an impoundment is a dam and must be designed to safely pass the minimum design flood hydrograph expressed as a percentage of the Probable Maximum Flood (PMF).

- a. The height of the hydraulic structure is measured from the top of the structure to the downstream intersection of the structure and the natural or excavated ground, whichever is lower.
 - b. A dam must be designed to pass the PMF as defined in Texas Administrative Code Chapter 299 Dams and Reservoirs (Figure: 30 TAC §299.15(a)(1)(A)).
 - c. The State of Texas has the primary regulatory authority for dams in Texas. The State's Dam Safety Program is under the purview of the TCEQ and Title 30, Chapter 299 of the Texas Administrative Code contains applicable rules. The primary guidance for the analysis of dam performance during a PMF event can be found in the Hydrologic and Hydraulic Guidelines for Dams in Texas. This manual and other dam safety and maintenance manuals are available on the TCEQ's web site at <https://www.tceq.texas.gov/>.
2. Dam Design. TCEQ current Design and Construction Guidelines for Dams in Texas should be referenced for dam design. The following list several important dam design considerations.
 - a. Woody Vegetation Free Zone. Dams shall not be designed or constructed with any trees or other woody vegetation on the dam structure or within twenty feet (20') of the upstream or downstream toe of the dam.
 - b. No permanent irrigation systems. Dams shall not have permanent irrigation systems installed on the dam.
 - c. Vegetation maintenance. Dams must be vegetated with grasses that do not exceed twelve inches (12") in height and can be mowed as frequently as weekly. Examples include Bermuda grass and buffalo grass.

8.17 FLUMES

1. The use of flumes is discouraged. Flumes shall not be permitted when the purpose of a permanent flume is to carry runoff down the sides of earthen channels or detention ponds.
2. A flume may be used to direct overflow runoff along property lines until the runoff can be intercepted by streets or conduits. A flume shall not carry more than ten cubic feet per second (10 cfs) during the 100-year frequency storm event with a slope of one percent (1.0%).
3. All flumes crossing sidewalks shall be covered or bridged such as to minimize danger to pedestrians.
4. All edges are to be protected with rock rip-rap or other form of protection for erosion control and scour purposes.

8.18 LAKES

1. Approval to develop in any area subject to inundation by a lake must be obtained from the appropriate agency responsible for that particular lake before the city grants its approval. Agencies that should be contacted include, but are not limited to U.S. Army Corps of Engineers, TCEQ, the Brazos River Authority, and FEMA.
2. Regardless of approvals obtained from those agencies listed above, no filling, development or construction in any area subject to inundation by a lake shall occur without the approval of the City Engineer. The City Engineer may require any studies necessary to determine that filling, development or construction will not have a detrimental effect on adjacent, upstream or downstream properties and buildings. This subsection in no way diminishes other requirements of this section.

8.19 LOT TO LOT DRAINAGE

1. A comprehensive grading plan shall be included with subdivision construction plans. The grading plan shall be designed to ensure all lots will adequately drain upon completion of the subdivision improvements.
2. All lots shall be graded from rear to front at which point the drainage shall be intercepted by the street. Alternate grading schemes may be utilized if it can be demonstrated to the satisfaction of the City Engineer

that grading from rear to front would be detrimental to trees or other natural features; or it would not be reasonably adaptable to the existing topography because of excessive cuts and fills, or future lot development (i.e. commercial, industrial or multi-family lots).

3. All lots shall be graded at a minimum of one percent (1%). Grading of lots with existing slopes of one percent (1%) or greater will not be required provided the conditions under 8.19.2 above have been satisfied and it is demonstrated to the satisfaction of the City Engineer that there are no existing or proposed features that will prevent the lots from adequately draining.
4. Grading and drainage of all residential lots shall be designed in a manner which will allow a maximum of one lot to drain in a sheet flow manner across an adjacent lot and into a permanent structure, such as a concrete flume, lined channel, or proper inlet to an adequate drainage facility, or to a street right-of-way. If an approved drainage structure is not present, it will be required of the developer to construct the necessary facilities.
5. Surface swales shall be designed and provided along lot lines when more than two lots will be contributing to stormwater runoff at any given point. Side slopes for swales shall not exceed 10:1 (horizontal: vertical) unless otherwise accepted by the City Engineer.
6. Sheet flow techniques shall be used for lot to lot drainage.

8.20 FLOODPLAIN DELINEATIONS

1. City of Taylor
 - a. A floodplain shall be delineated for all waterways with a contributing drainage area greater than sixty-four (64) acres. A waterway is defined as any watercourse, drainage way, branch, creek, or stream including, but not limited to, the limits of the one percent floodplain.
 - b. Floodplain determination shall be based on the 100-year frequency storm event runoff and the existing land use conditions of all properties contributing to the point of consideration.
 - c. The design engineer is responsible for delineating the floodplain based on the most accurate information available.
2. Federal Emergency Management Agency
 - a. The Federal Emergency Management Agency (FEMA) maintains Flood Insurance Rate Maps (FIRMs) that depict floodplain and floodway boundaries. The floodplain and floodway boundaries depicted on FIRMs are based on existing conditions of development in the contributing area at the time the floodplain study that delineated the floodplain was completed.
 - b. FEMA reviews and approves or denies all revisions or amendments to FIRM's. FEMA revises or amends FIRM's by approval of a Letter of Map Amendment (LOMA) or Letter of Map Revision (LOMR). FEMA establishes the process and fees necessary for review of an application for a LOMA or LOMR.
 - c. FEMA reviews the impact of proposed site developments and offers or denies conditional assurance that a FIRM may be changed by the proposed development. FEMA offers this assurance by a Conditional Letter of Map Amendment (CLOMA) or Conditional letter of Map Revision (CLOMR). The CLOMA or CLOMR is a conditional statement that the FIRM may be changed if: (1) the development is constructed as proposed in the CLOMA/CLOMR application; and (2) a complete LOMA/LOMR is submitted after construction of the proposed development.
 - d. As the local floodplain administrator, the City must review and acknowledge certain LOMR or CLOMR requests. The City establishes the process necessary for review of an application for a LOMR or CLOMR.
3. Coordination of City of Taylor and FEMA Floodplain Delineations
 - a. The 100-year floodplain as determined in accordance with this Manual is a standard for dedication of drainage easements. This floodplain is theoretically equal to the 100-year floodplain depicted by FEMA on the FIRM. If the floodplain on the FIRM extends beyond a drainage easement required by the Code, or

offered by the applicant, then the floodplain depicted on the FIRM must be changed by FEMA. This requirement assures that floodplain boundaries and associated regulations are coordinated between the City of Taylor and FEMA. Floodplain mapping may be changed due to updated analysis of the floodplain under existing conditions, or due to land development activities that alter existing conditions.

- b. If the floodplain depicted on the FIRM is required to be changed due to updated analysis of the floodplain under existing conditions, then the following requirements are applicable:
 - (1) Prior to recordation of a final plat, the applicant must provide to the City a letter of acknowledgement by FEMA of receipt of a complete application for a LOMR.
 - (2) Prior to final acceptance of the construction of the subdivision or issuance of building permits, the applicant must provide to the City evidence of final acceptance by FEMA of the LOMR submitted.
- c. If the floodplain depicted on the FIRM is required to be changed due to land development activities that alter existing conditions, then the following requirements are applicable:
 - (1) Prior to approval of a final plat, the applicant must provide to the City either: evidence that the proposed land development activities do not increase the level of the FEMA floodplain; or a letter of acknowledgement by FEMA of receipt of a complete application for a CLOMR.
 - (2) Prior to the recordation of a final plat, the applicant must provide to the City evidence of approval of the CLOMR.
 - (3) If the final plat is approved before it is determined that a CLOMR is necessary or desired, then prior release of subdivision construction plans, the applicant must provide to the City a letter of acknowledgement by FEMA of receipt of a complete application for a CLOMR.
 - (4) Prior to final acceptance of the construction of the subdivision or issuance of building permits, the applicant must provide to the City evidence of final acceptance by FEMA of the CLOMR submitted, and a letter of acknowledgement by FEMA of a complete application for a LOMR.

8.21 DRAINAGE STUDY GUIDELINES

The purpose of a Drainage Study is to determine the requirements for drainage facilities, floodplain delineation, and/or drainage easements either within the proposed development or offsite. A Drainage Study is required for every subdivision plat or a development requesting a building permit on a parcel which does not have a previously approved Drainage Study, unless the city engineer has waived this requirement due to existing conditions. The Drainage Study shall be sealed and certified by a Professional Engineer licensed by the State of Texas and must be approved prior to Final Plat or issuance of a building permit. The analysis should consist of the following information:

1. Project Location. Provide project location depicted on a 7.5 minute series USGS or aerial map. Include land plan and limit of downstream drainage assessment.
2. Topographic Drainage Area Map: Providing the following:
 - a. Drainage Areas. Include overall drainage areas for the site and off-site areas and indicate area for each.
 - b. Time of Concentration Flow Paths. Depict flow paths with overland, sheet flow, and channel flow paths identified.
 - c. Points of Discharge. Include points of discharge to and from the site, and at other key hydrologic junctions. Points of discharge to directly correlate with discharge summary tables.
 - d. Land use type data. The map must include the subdivision and an area extending a minimum of two-hundred feet (200') in all directions from the proposed subdivision.
 - e. Sheet Size. Sheets shall be 22" X 34" in size and may contain sheet to sheet match lines.
 - f. Contours. The map must include contour lines at two foot (2') vertical intervals. The datum for topography shall be that of the United States Coast and Geodetic Survey or the City of Taylor GIS datum.

- g. The map shall indicate any offsite or adjoining areas outside the limits of the area being developed which are drainage.
 - h. Show all significant physical features such as proposed or existing drainage and utility easements, water bodies, streams, railroads, parks, and drainage ditches.
 - i. Show location of existing utilities including gas and petroleum lines, electric, telephone and TV cable.
 - j. Show the location of any existing structures located within the area being proposed for development.
 - k. The plan shall include the building footprint and parking areas when the Drainage Study is prepared for a building permit.
 - l. Provide preliminary grading to sufficient detail to depict method proposed to convey stormwater runoff across development and to detention facilities and outfalls. Include arrows indicating the direction of flow. Provide location and footprint of all existing and proposed detention facilities. Provide overflow points and control elevations.
 - m. Floodplain
 - (1) Delineation of the City of Taylor 100-year floodplain for waterways with contributing drainage areas greater than sixty-four (64) acres.
 - (2) Identifying any special flood hazard areas as defined by the FEMA on their current Flood Insurance Rate Map.
3. Drainage Report - Provide the following:
- a. Provide a narrative with the following information:
 - (1) Acreage to be developed, type of development, and explanation of any proposed project phasing.
 - (2) Watershed in which project is located, general soil conditions, and downstream channel conditions
 - (3) Methods to be used for handling stormwater runoff (i.e. drainage easements, channels, curb inlets, storm drains, detention, etc.).
 - (4) Justification for exemptions from code requirements.
 - (5) Provide a summary assessment of impact of development to upstream and downstream properties and facilities. Provide a downstream drainage assessment as described below.
 - (6) Source of floodplain information (calculations where applicable)
 - (7) Provide other relevant information to demonstrate compliance with the Drainage Design and Analysis Criteria section.
 - b. Provide the following calculations:
 - (1) Calculations supporting adequacy of existing and proposed on-site channels, storm drains, inlets, culverts, bridges, and other drainage structures.
 - (2) Calculations supporting adequacy of detention pond size. Provide percent impervious cover calculations. Provide hydrologic detention routing assumptions and results. Provide stage-storage-discharge information for detention facilities, including information for each outlet component (i.e. conduit, orifice, weirs, and spillways).
 - (3) Calculations for floodplain modifications and cross sections
 - (4) Calculations of existing flows. Provide existing and proposed drainage areas, time of concentration calculations, impervious cover, and runoff coefficients. Provide rainfall and hydrograph development assumptions.
 - (5) Calculations of off-site flows
 - (6) Provide source/documentation for all parameters used in calculations if not in City of Taylor Engineering Manual.

- (7) Provide hydrologic and hydraulic model files (preferably HEC-HMS and HEC-RAS)
- c. Provide a downstream assessment:
 - (1) A downstream drainage assessment shall extend from the outfall of the subdivision to a point downstream, determined by one of two methods:
 - i. Zone of Influence - Point downstream where the discharge from a proposed development no longer has a significant impact upon the receiving stream or storm drainage system. The zone of influence can initially be assumed to be the point where the drainage area controlled by the detention facility comprises ten percent (10%) of the total drainage area.
 - ii. Adequate Outfall - Location of acceptable outfall that does not create adverse flooding or erosion conditions downstream.
 - (2) Downstream Assessment Steps
 - i. Determine the outfall location of the site and the pre- and post-development site conditions.
 - ii. Using a topographic map, determine a preliminary lower limit of the zone of influence using the initial ten percent (10%) estimate.
 - iii. Using a hydrologic model determine the pre-development peak flows at each junction beginning at the development outfall and ending at the next junction beyond the preliminary lower limit of the zone of influence (10% point). Evaluate discharges for the 2-, 10-, 25-, and 100-year frequency storms.
 - iv. Change the land use on the subdivision site to post-development conditions and rerun the model.
 - v. Compare the pre- and post-development peak discharges at the downstream end of the model. If the post-developed flows are higher than the pre-developed flows for the same frequency event, extend the model downstream. Repeat steps 3 and 4 until the post-development flows are less than the pre-developed flows.
 - vi. Add proposed storm water management facilities to the model designed so that the model shows that adverse effects are mitigated. Adverse effects can be shown to be mitigated if peak water surface elevations are not increased off site (< 0.005 foot rise) and if peak flow rates at the downstream limit of the zone of influence are not increased.
4. FEMA Floodplain
 - a. FEMA Floodplain. If any portion of the proposed subdivision or its offsite improvements (including pipes or ditches) fall within the limits of a FEMA floodplain, additional backwater calculations will be required. Prior to approval of a final plat, the applicant must provide to the City either: evidence that the proposed land development activities do not increase the level of the FEMA floodplain; or a letter of acknowledgement by FEMA of receipt of a complete application for a CLOMR.
 - b. If the floodplain on the FIRM extends beyond a drainage easement required by the Code, or offered by the applicant, then the floodplain depicted on the FIRM must be changed by FEMA. See Section 8.20 for coordination requirements.
 - c. Backwater calculations shall comply with normally accepted standards as required by FEMA for application for a Letter of Map Revision (LOMR). In addition, the calculations must begin with a previously defined Base Flood Elevation (BFE). The calculations shall continue upstream through the project until the proposed BFE is within 0.01 feet of the existing BFE or the limits of the existing Zone 'A' have been reached. A LOMR will be required prior to issuing building permits.

8.22 CERTIFICATION

All drainage studies and/or plans including those which are part of a standard construction plan submittal shall be sealed and signed by an engineer proficient in civil engineering and Licensed in the State of Texas. All drainage submittals shall include the following certifying statement by the "Engineer of Record".

DISCLAIMER OF LIABILITY

The degree of flood protection required by this policy is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. On rare occasions greater floods can and will occur and flood heights may be increased by man-made or natural causes. This policy does not imply that land outside the areas of street rights-of-way, drainage or flood plain easements will be free from flooding or flood damages. This policy shall not create liability on the part of the City of Taylor, Texas or any official or employee thereof for any flood damages that result from reliance on this policy or any administrative decision lawfully made there under.

8.23 TRENCH SAFETY

In conformance with House Bills 662 and 665 as passed by the Seventieth Legislature Regular Session of the State of Texas, all construction projects within the City of Taylor or its extraterritorial jurisdiction as provided by the Municipal Annexation Act (Article 970a, Vernon's Texas Civil Statutes) shall contain provisions for trench safety. On construction projects in which trench excavation will exceed a depth of five feet (5'), the uniform set of general conditions must require that the bid documents and the contract include detailed plans and specifications for adequate safety systems that meet Occupational Safety and Health Administration standards and that these plans and specifications include a pay item for these same safety systems.

(Ord. No. 2009-37, § 3, 2-9-2010; Ord. No. 2019-32, § 2(Exh. A), 12-12-2019)

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1. General Contractor shall call for all utility locates prior to any construction. Water & wastewater owned by the City of Taylor can be located by calling the Utility Department 512-352-3251. Allow three business days for utility locates by the City of Taylor.
2. All construction shall be in accordance with the latest City of Taylor ENGINEERING MANUAL.
3. The contractor shall give the City a minimum of 48 hours notice before beginning each phase of construction. The phases of construction are as follows:
4. Prior to City acceptance of all improvements, all graded and disturbed areas are to be re-vegetated in accordance with the City of Austin Specification Item #604 unless another re-vegetation specification is specifically identified in the plans and/or bid form. When appropriate in the opinion of the Public Works Department, the City of Taylor may require native grasses to be used.
5. The Contractor shall provide the City of Taylor copies of all test results prior to acceptance of this project.
6. City, owner, engineer, contractor, representatives of all utility companies, and a representative from the testing lab shall attend pre-construction conference prior to start of construction. The contractor shall schedule the meeting with the City of Taylor Engineering Department 48 hours prior to this pre-construction meeting (512-352-3633).
7. Excess soil shall be removed at the contractor's expense. Notify the City of Taylor for approval if the disposal site is inside the City's jurisdictional boundaries.
8. Burning is prohibited. No blasting is allowed.
9. Any changes or revisions to these plans must first be submitted to the City by the design engineer for review and written approval.
10. The Contractor will reimburse the City for all cost incurred as a result of any damage to any City utility by the Contractor, regardless of these plans.
11. Prior to City acceptance of this project, an engineer's concurrence letter and 22"x34" record drawings (one Mylar copy, one blue-line or Xerox, and a digital copy on a CD ROM) shall be submitted to the Engineering Department. The Consulting Engineer and Contractor shall verify that all final revisions and changes have been made to the Mylar, blue-line, and digital copy prior to City submittal. Record construction drawings shall be provided to the City in digital format as AutoCad ".dwg" files, or ESRI ".shp" files on CD ROM. Line weights, line types and text size shall be such that if half-size prints (11"x 17") were produced, the plans would still be legible. All required digital files shall contain a minimum of two (2) control points referenced to the State Plane Grid Coordinate System – Texas Central Zone (4203), in US feet and shall include rotation information and scale factor required to reduce surface coordinates to grid coordinates in US feet. Half-size plans may also be

required (see contract).

12. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF TAYLOR MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
13. A traffic control plan, in accordance with the Texas Manual on Uniform Traffic Control Devices, shall be submitted to the City for review and approval prior to any partial or complete roadway closures.
14. The contractor shall keep the site clean and maintained at all times, to the satisfaction of the City. This project will not be accepted until the site has been cleaned and re-vegetated to the satisfaction of the City.
15. Signs are not permitted in Public Utility Easements or Drainage Easements.
16. Inspect temporary erosion controls on a daily basis. Adjust the controls and/or remove any sediment buildup as necessary.
17. Contractor will be responsible for keeping roads and drives adjacent to and near the site free from soil, sediment and debris. Contractor will not remove soil, sediment or debris from any area or vehicle by means of water, only shoveling and sweeping will be allowed. Contractor will be responsible for dust control from the site.
18. The Contractor shall be responsible for all damage to private property, which occurred as a result of any portion of this project. Any damage to private property shall be repaired to equal or better condition. The Contractor shall coordinate all repairs to private property with the property owner. Contractor shall pay and/or settle with private property owner for all costs related to any damage. The City will not provide separate pay for repair of any damages, reimbursements or settlements.
19. Contractor shall provide the services of the City's approved SCADA consultant and controls instrumentation consultant. (When applicable to SCADA) The cost of the consultant and/or any equipment shall be subsidiary to the cost of the project (no separate pay) unless specifically identified on the bid form.
20. Contractor shall be responsible for any and all utility relocations. Including but not limited to: ONCOR Electric, ATMOS Gas, AT&T Telephone, United States Post Office, Time Warner Cable Television, City of Taylor Water & Wastewater. Contractor shall call 800-DIG-TESS and maintain all confirmation numbers.
21. If telephone service is required by this project, the contractor shall coordinate with phone company to provide/extend/re-locate the service. No separate pay will be provided and the City shall not be responsible for scheduling or coordinating with phone company.
22. Electric and/or telephone poles that need to be re-located for this project will be at the expense of the contractor. The City of Taylor will not provide separate pay for pole re-location and the cost of the relocation is considered subsidiary to the project bid. The contractor is responsible for identifying poles that may conflict with these plans and making arrangements to resolve the conflict with the appropriate utility. If electric, telephone, or CATV service will be interrupted as a result of the re-location; the City shall approve the maximum

allowable time the service will be interrupted.

23. The contractor shall make applications to the electric company for electric service if new service is required. The City will assume the service upon acceptance of the project (if required). The contractor will pay for electric power until the meter is transferred to the City of Taylor. Impact fees and Application Fees required by the electric company will be the responsibility of the Contractor unless specifically identified in the contract.
24. The contractor shall provide combination locks for all gates, hatches, vaults, and MCC boxes. Each lock shall be pre-approved and set to the City's requirements. (No separate pay)
25. All work on these plans shall be performed. Pay for work shown on these plans, which are not identified in the contract, shall be considered incidental to the items specifically identified for payment.
26. The contractor shall provide a competent and qualified superintendent to supervise all work. The superintendent shall be present during all construction activities.
27. Any survey monuments damaged or moved as a result of this project shall be replaced to equal or better condition. A Texas Registered Land Surveyor shall oversee the replacement and certify the replacement for its intended use. No separate pay will be provided.
28. Adequate drainage conditions, in accordance with the City Engineering Manual, shall be maintained at all times.
29. Any tree removed or damaged by this project, which is not specifically identified to be removed by the plans, will be replaced according to the requirements of the City of Taylor Code of Ordinances. No separate pay will be provided.
30. **The contractor shall uncover all utilities within the limits of construction and verify their location prior to any construction activities. The contractor shall notify the City and the Engineer, IN WRITING, of any conflicts prior to any other construction including but not limited to exact locations of conflicts with proposed or existing utilities. No additional pay unless specifically identified for payment in the contract documents. The contractor shall also make his own sub-surface investigation prior to bid.**
31. Only stainless steel casing spacers are allowed in encasement pipe(s).
32. No separate pay will be given to de-water trenches or other excavated areas.
33. Soil material imported for re-vegetation of disturbed areas shall be approved by the Public Works department prior to placement. A sample (submittal) is required.
34. The contractor shall perform pumping stations and/or lift station start-up independently: prior to requesting witness or acceptance by the City. When a final start-up fails to be complete and acceptable and when City personnel are present at start-up, each additional start-up will be charged to the contractor, as liquidated damages, \$500.00 per additional meeting.
35. Shutout of any customers of the City's utility due to tie-ins shall only be scheduled for nighttime work unless approved by the Engineering Department. The City's field representative shall coordinate and inspect all nighttime

shutouts and tie-ins. The contractor shall request shutouts two weeks in advance. Shutouts will only be allowed in the following times and are subject to approval by the City: 10 PM - 6 AM; beginning on Tuesday, Wednesday or Thursday night(s). No extra time will be granted to the contract for unscheduled work in the time period allowed or due to requests outside the approved time periods.

Street Notes:

1. No trenching of compacted base will be allowed. A penalty and/or fine may be imposed to the general contractor if trenching of compacted base occurs without City approval, regardless of who performed the trenching.
2. All sidewalks shall comply with the Americans With Disabilities Act. The City of Taylor has NOT reviewed these plans for compliance with the Americans With Disabilities Act, or any other accessibility legislation, and does not warranty or approve these plans for any accessibility standards.
3. Street barricades shall be installed on all dead end streets and as necessary during construction to maintain job safety.
4. Any damage caused to existing pavement, curbs, sidewalks, ramps, etc., shall be repaired by the contractor to the satisfaction of the City prior to acceptance of this project.
5. Density testing of compacted subgrade material, first course and second course compacted base, shall be made at 500 foot intervals. Any failed tests will be re-tested at the expense of the contractor.
6. The contractor shall coordinate with the City's field representative 48 hours prior to scheduled density testing. The City's field representative shall witness all testing.
7. The CONTRACTOR shall schedule all testing with an approved materials testing laboratory and notify the City's field representative of the time and location of all tests.
8. Traffic control signs and pavement markings in accordance with the Texas Manual on Uniform Traffic Control Devices to be installed as directed by the City of Taylor prior to City acceptance of this project.
9. Slope of natural ground adjacent to the right-of-way shall not exceed 4:1. If a 4:1 slope is not possible, a retaining wall or some other form of slope protection approved by the City shall be placed in a location acceptable to the City.
10. The City, engineer, contractor, and a representative from the testing lab shall attend a pre-paving conference prior to the start of paving. The contractor shall give the City's field representative 48 hours notice prior to this meeting.
11. Failed tests shall be the financial responsibility of the contractor.

Wastewater Notes:

1. The contractor, with City approval, shall raise manhole frames and covers and water valve boxes to finished pavement grade at the contractor's expense. All utility adjustments shall be completed prior to final paving construction.
2. The location of any existing utility lines shown on these plans may not be accurate. Any damage to existing utility lines, both known and unknown, shall

- be repaired at the expense of the contractor. The contractor shall locate all utilities prior to bidding the project.
3. All iron pipe and fittings shall be wrapped with at least 8-mil polyethylene wrap, according to the COA Specification.
 4. All water mains, wastewater mains and service lines shall meet City of Taylor minimum cover specifications. All streets are to be cut to subgrade prior to installation of water mains.
 5. All wastewater lines shall be TV Video taped according to COA 510. The contractor shall supply two copies to the City's Field Representative.
 6. Gasketed PVC sewer main fittings shall be used to connect SDR-35 PVC to SDR-26 PVC pressure pipe or C-900.
 7. SDR-35 WW is not allowed.
 8. All sanitary sewers, excluding service lines, shall be mandrel tested per TCEQ criteria. A mandrel test will not be performed until backfill has been in place for a minimum of 30 days.
 9. All sanitary sewers, including service lines, shall be air tested per City of Austin Standard Specifications.
 10. Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe, unless specified otherwise by the City.
 11. City to be given 48 hours notice prior to all testing of water and wastewater lines. City inspection is required for all testing of water and wastewater lines.
 12. Water or wastewater line crossings shall be installed per TCEQ requirements.
 13. All manhole lids outside the pavement shall be bolted.
 14. Contractor to notify City of Taylor 48 hours prior to connecting to existing utilities. Inspection of connections to existing utilities is required.
 15. All pipe bedding material shall conform to City of Austin Standard Specifications.
 16. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing steel to be ASTM A615 60.
 17. Piping in and around lift station valve vaults will be painted and/or coated to the City's specifications.
 18. MCC's, junction boxes or any housing for electrical components shall be NEMA 4X stainless steel. Painted metal or any other type of box will not be accepted unless specifically identified in the plans.

Water Notes:

1. The top of valve stems shall be at least 18", and no more than 36", below finished grade. Valve stem risers shall be welded on each end to the City's satisfaction.
2. Fire hydrant leads to be ductile iron, Class 350, and installed per City of Taylor standard specifications and detail.
3. The contractor shall provide cuts for all water lines and FH bury lines in accordance with the contract.
4. Approved 5 1/4" fire hydrants: American Flow Control, B84B Mueller Company, Super Centurion 250, Clow Medallion Hydrant
5. *All fire hydrants must meet City of Taylor thread specifications (National

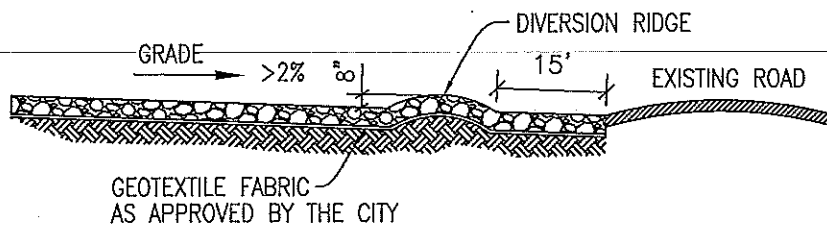
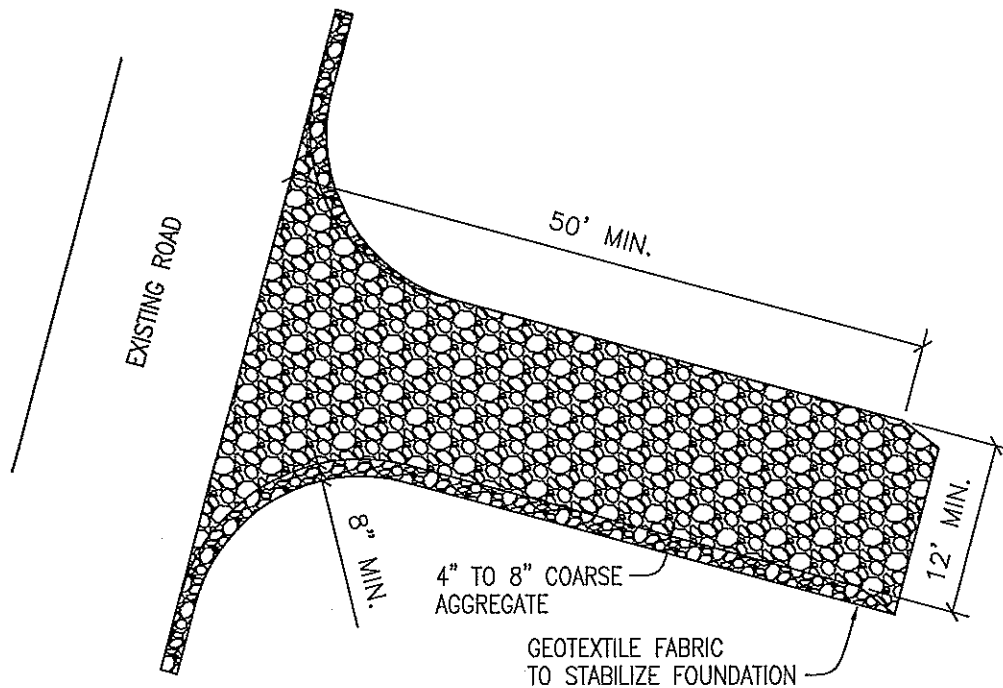
Thread)

6. *Blue reflector markers shall be located on the centerline of the pavement across from all fire hydrants. Pavement markers at intersections shall be four-sided.
7. All water lines, including service lines, shall be pressure and leak tested per City of Austin Standard Specifications and witnessed by the City of Taylor representative. All failed tests shall be the fiscal responsibility of the contractor, and the contractor may be required to re-test lines if the testing is not witnessed by the City. Contractor must notify the City of Taylor 48 hours prior to any testing.
8. All water lines shall be sterilized and bacteriologically tested in accordance with City of Austin Standards. The contractor is responsible for sterilization and the City of Taylor is responsible for submitting bacteriological samples to the State unless otherwise approved by the Engineering department.
9. All water valve risers not in pavement shall be set in concrete in accordance with the City's specifications and details. The standard detail is available on the City's web site.
10. Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe unless otherwise approved by the Public Works department.
11. Contractor to obtain a water meter from the City of Taylor for any water that may be required during construction. (512-352-3251)
12. All water pipe and appurtenances larger than 12" shall have a maximum operating pressure greater than 250 psi unless specifically identified on the bid form.
13. Manhole frames and covers and water valve boxes shall be raised to finished pavement grade at the contractor's expense with City inspection. All utility adjustments shall be completed prior to final paving construction.
14. The location of any existing utility lines shown on these plans is the best available and may not be totally accurate. Any damage to existing utility lines, both known and unknown shall be repaired at the expense of the contractor. The Engineer and/or the City make no guarantee or warranty to the accuracy of these plans.
15. All iron pipe and fittings shall be wrapped with at least 8-mil polyethylene wrap in accordance with the COA specification.
16. All water mains, wastewater mains and service lines shall meet City of Austin Specifications minimum cover requirements. All streets are to be cut to subgrade prior to installation of water mains.
17. City to be given 48 hours notice prior to all testing of water and wastewater lines. City inspection is required for all testing of water and wastewater lines.
18. All water valves over 24" in size shall have a by-pass line and valve installed. By-pass valves and lines are subsidiary to the cost of the valve unless specifically identified on the bid form.
19. Contractor to notify City of Taylor 48 hours prior to connecting to existing utilities. Inspection is required.
20. All pipe bedding material shall conform to City of Taylor Standard Details.

21. Tracer tape shall be installed on all water and wastewater mains in accordance with City of Austin Standards regardless of the type of pipe or depth of pipe installed.
22. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing steel to be ASTM A615 60.
23. The City considers protection of its water system paramount to construction activities. City personnel will operate, or authorize the contractor to operate, all water valves that will pass through the City's potable water. The contractor may not operate any water valve, existing or proposed, that will allow water from the City's water system to flow to a proposed or existing water system without the express consent of the City. Notify the City two business days in advance of any request to operate a water valve. The general contractor may be fined \$500 or more, including additional theft of water fines, if a water valve is operated in an unauthorized manner, regardless of who operated the valve.

Storm Sewer Notes:

1. The contractor with City inspection shall raise manhole frames and covers and water valve boxes to finished pavement grade. All utility adjustments shall be completed prior to final paving construction. The contractor will backfill around manholes and junction boxes with Class A concrete.
2. All manhole lids shall be 32" or larger, unless expressly approved in writing by the Engineering Department. All lids outside the pavement will be bolted.
3. The location of any existing utility lines shown on these plans is the best available and may not be totally accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor.
4. Contractor to notify City of Taylor 48 hours prior to connecting to existing utilities.
5. All pipe bedding material shall conform to City of Taylor Standard Details.
6. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing steel to be ASTM A615 60.
7. Contractor to install and maintain geo-textile fabric barrier (inlet protection) around storm sewer leads and inlets to prevent silt and other material from entering the storm sewer collection system.



INSTALLATION:

- CLEAR THE AREA OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION.
- GRADE THE AREA FOR THE ENTRANCE TO FLOW BACK ON TO THE CONSTRUCTION SITE. RUNOFF FROM THE STABILIZED CONSTRUCTION ENTRANCE ONTO A PUBLIC STREET WILL NOT BE ACCEPTED.
- PLACE GEOTEXTILE FABRIC AS APPROVED BY THE CITY.
- PLACE ROCK AS APPROVED BY THE CITY.

INSPECTIONS AND MAINTENANCE GUIDELINES:

- THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON TO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.
- WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USING APPROVED METHODS.



APPROVED BY:
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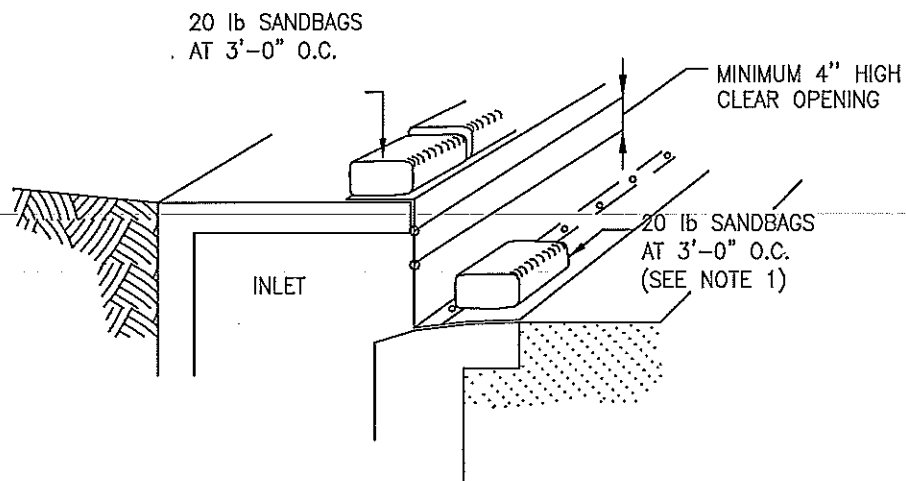
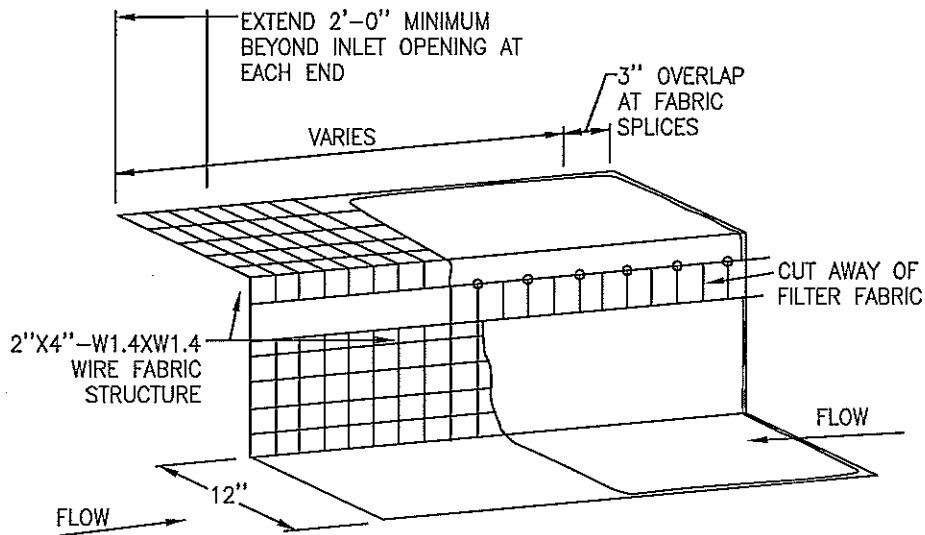
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STABILIZED CONSTRUCTION ENTRANCE

STANDARD

EN 001



NOTES:

1. WHERE MINIMUM CLEARANCES CAUSE TRAFFIC TO DRIVE IN THE GUTTER, THE CONTRACTOR MAY SUBSTITUTE A 1" X 4" BOARD SECURED WITH CONCRETE NAILS 3' O.C. NAILED INTO THE GUTTER IN LIEU OF SANDBAGS TO HOLD THE FILTER DIKE IN PLACE. UPON REMOVAL, CLEAN ANY DIRT/DEBRIS FROM NAILING LOCATIONS, APPLY CHEMICAL SANDING AGENT AND APPLY NON-SHRINK GROUT FLUSH WITH SURFACE OF GUTTER.
2. A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL OR AS DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION.
3. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
4. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM WATER BEGINS TO OVERTOP THE CURB.
5. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.



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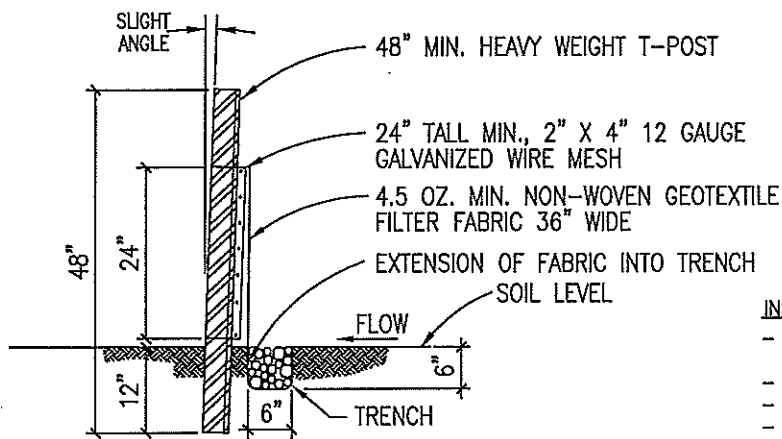
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

EN 002

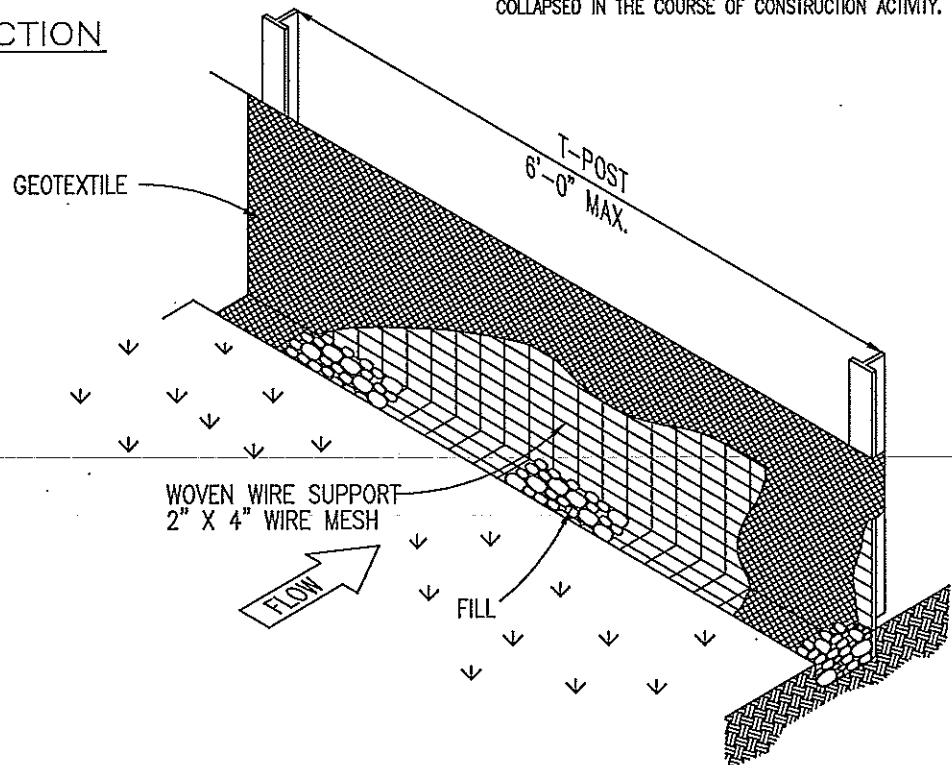
FILTER DIKE CURB INLET PROTECTION



CROSS SECTION

INSPECTION AND MAINTENANCE GUIDELINES:

- INSPECT ALL FENCING WEEKLY, AND AFTER ANY RAINFALL EVENT.
- REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.
- REPLACE ANY TORN FABRIC.
- REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY.



INSTALLATION:

- LAYOUT THE SILT FENCE FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR.
- CLEAR THE GROUND OF DEBRIS, ROCKS, PLANTS (INCLUDING GRASSES TALLER THAN 2") TO PROVIDE A SMOOTH FLOW APPROACH SURFACE. EXCAVATE 6" DEEP X 6" WIDE TRENCH ON UPSTREAM SIDE OF FACE PER PLANS.
- DRIVE THE HEAVY DUTY T-POST AT LEAST 12 INCHES INTO THE GROUND AND AT A SLIGHT ANGLE TOWARDS THE FLOW.
- ATTACH THE 2" X 4" 12 GAUGE WELDED WIRE MESH TO THE T-POST WITH 11 1/2 GAUGE GALVANIZED T-POST CLIPS. THE TOP OF THE WIRE TO BE 24" ABOVE GROUND LEVEL. THE WELDED WIRE MESH TO BE OVERLAPPED 6" AND TIED AT LEAST 6 TIMES WITH HOG RINGS.
- THE SILT FENCE TO BE INSTALLED WITH A SKIRT A MINIMUM OF 11" WIDE PLACED ON THE UPHILL SIDE OF THE FENCE INSIDE EXCAVATED TRENCH. THE FABRIC TO OVERLAP THE TOP OF THE WIRE BY 1".
- ANCHOR THE SILT FENCE BY BACKFILLING WITH EXCAVATED DIRT AND ROCKS (NOT LARGER THAN 2").
- GEOTEXTILE SPLICES SHOULD BE A MINIMUM OF 18" WIDE ATTACHED IN AT LEAST 6 PLACES. SPLICES IN CONCENTRATED FLOW AREAS WILL NOT BE ACCEPTED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



APPROVED BY:
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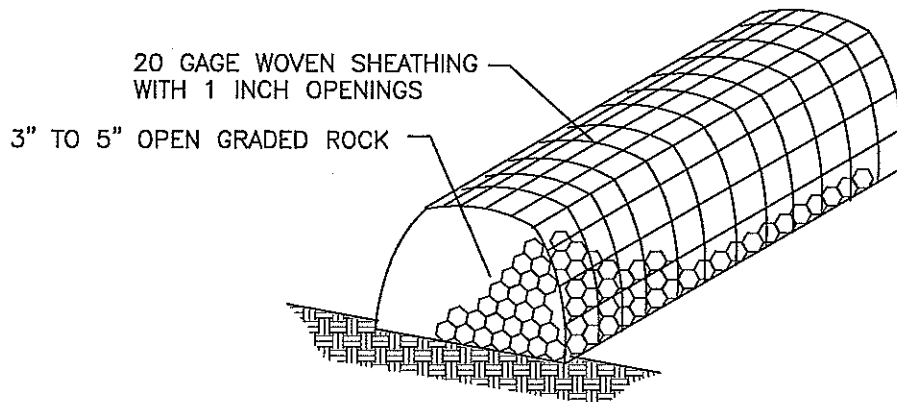
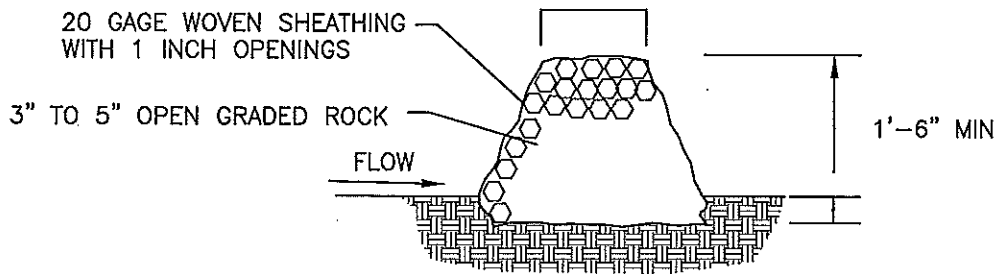
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JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

EN 003

SILT FENCE DETAIL



INSTALLATION:

- LAYOUT OF ROCK BERM FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR.
- CLEAR THE AREA OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION.
- PLACE WOVEN WIRE FABRIC ON THE GROUND ALONG THE PROPOSED INSTALLATION WITH ENOUGH OVERLAP TO COMPLETELY ENCIRCLE THE FINISHED SIZE OF THE BERM.
- PLACE THE ROCK ALONG THE CENTER OF THE WIRE TO THE DESIGNATED HEIGHT.
- WRAP THE STRUCTURE WITH THE PREVIOUSLY PLACED WIRE MESH SECURE ENOUGH SO THAT WHEN WALKED ACROSS THE STRUCTURE RETAINS IT'S SHAPE.
- SECURE WITH TIE WIRE.
- THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROX. 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.
- THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT IS REMOVED.

INSPECTIONS AND MAINTENANCE GUIDELINES:

- INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL EVENT BY THE RESPONSIBLE PARTY. FOR INSTALLATION IN STREAM BEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE.
- REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED MANNER.
- REPAIR ANY LOOSE WIRE SHEATHING.
- THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION.
- THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.



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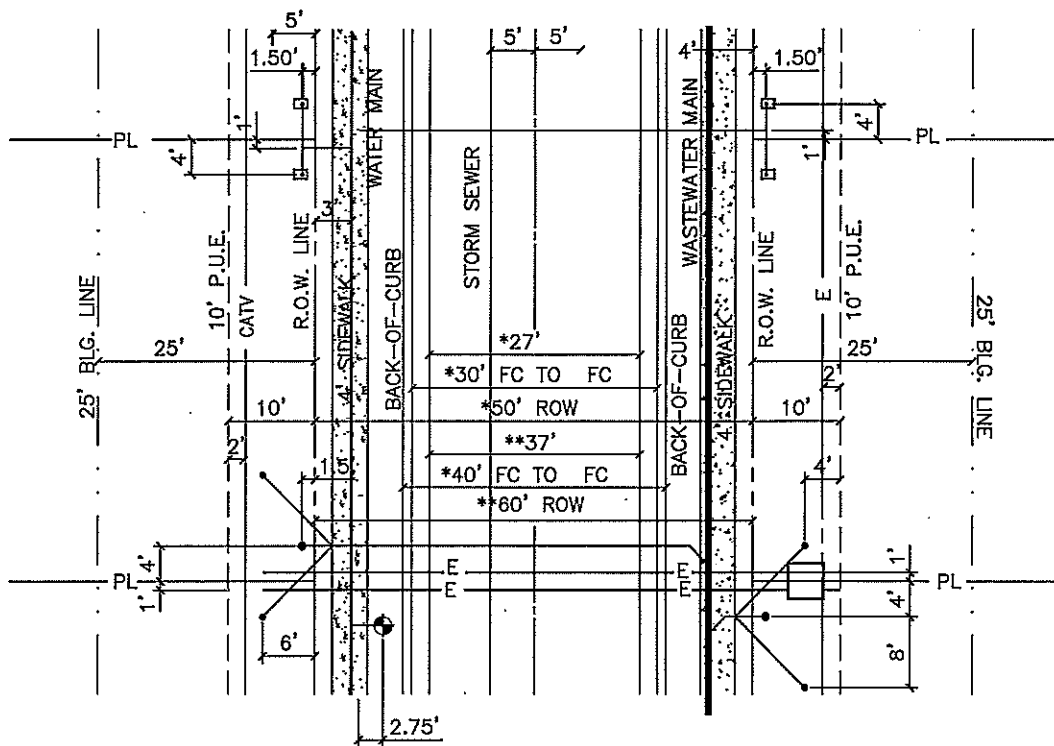
DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

ROCK BERM DETAIL

STANDARD

EN 004



MINIMUM COVER BELOW FINISH-GRADE

ELECTRIC PRIMARY	36"
ELECTRIC SECONDARY	24"
WATER	48"
WASTEWATER	48"
STORM SEWER	36"
GAS	24"
TELECOMMUNICATIONS	24"



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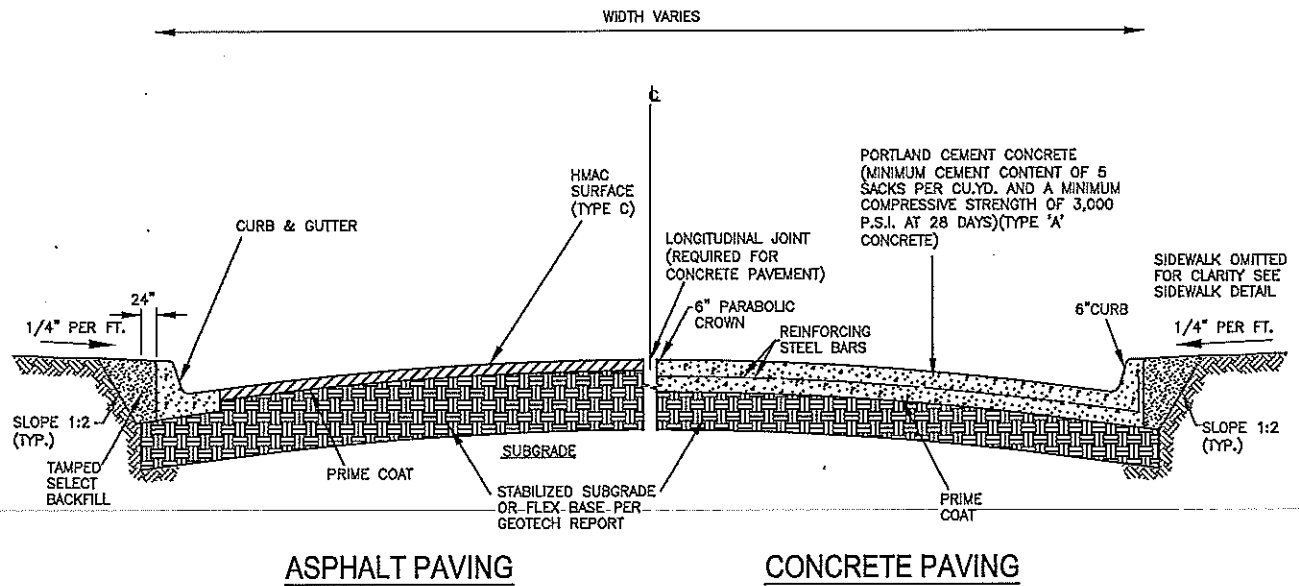
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

TYPICAL STREET LAYOUT
AND UTILITY ASSIGNMENTS

STANDARD

PV 001



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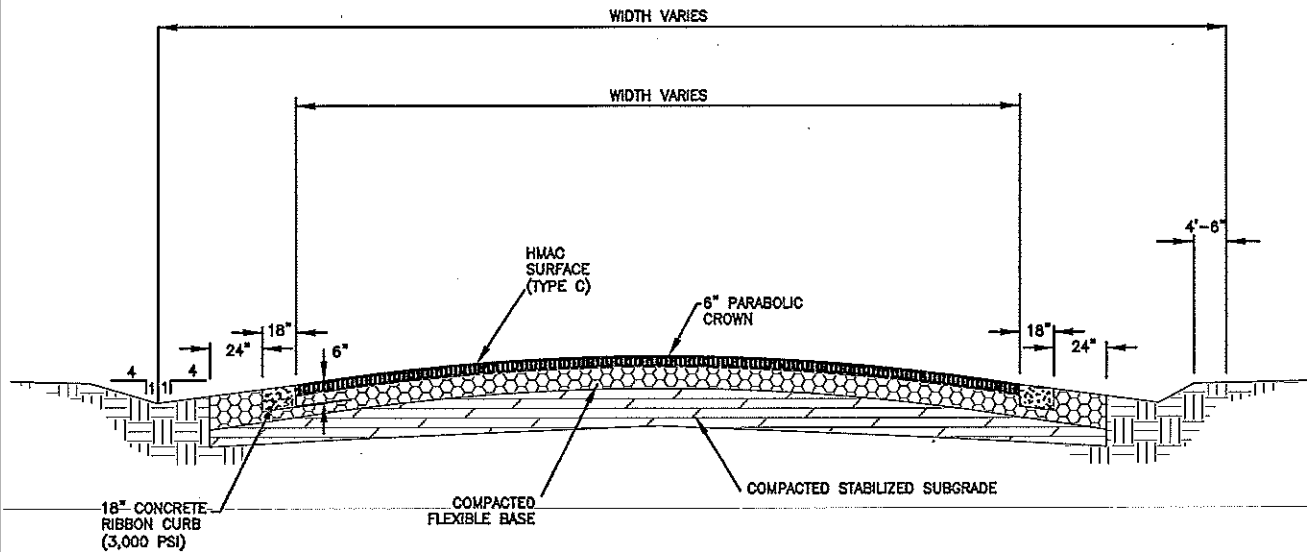
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

TYPICAL STREET SECTION DETAIL
W / STANDARD CURB & GUTTER

STANDARD

PV 002



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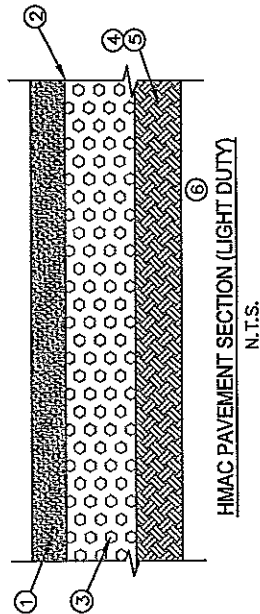
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

TYPICAL STREET SECTION DETAIL
W / RIBBON CURB

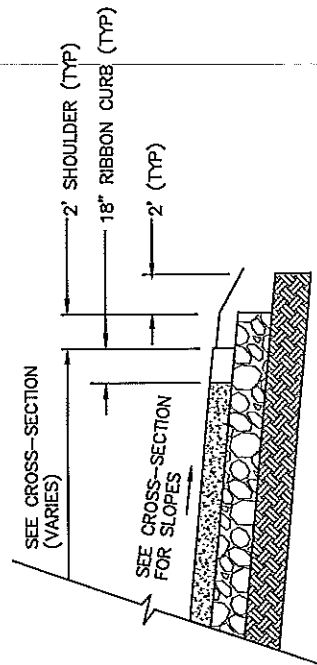
STANDARD

PV 003



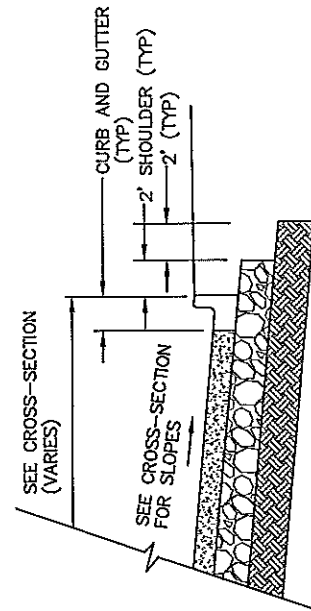
GENERAL NOTES:

1. HOT MIX ASPHALTIC CONCRETE CONFORMING TO TxDOT ITEM 340, TYPE "C"
2. MC-30 PRIME COAT MEETING THE REQUIREMENTS OF TxDOT ITEM 310 SHALL BE APPLIED AT A RATE 0.25 GALLON/SQUARE YARD. (RATE SHALL BE ADJUSTED IN THE FIELD TO PROVIDE UNIFORM COVERAGE WITHOUT RUNOFF. RATE TO BE APPROVED BY THE ENGINEER.)
3. CRUSHED AGGREGATE BASE CONFORMING TO TxDOT ITEM 247, TYPE A, GRADE 1. THE CRUSHED STONE BASE SHALL BE PLACED IN MAXIMUM 6 INCH LOOSE LIFTS AND COMPACTED TO A DENSITY EQUAL TO AT LEAST 100% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY TEST METHOD TEX-113-E AT $\pm 2\%$ OF OPTIMUM MOISTURE. THE BASE MATERIAL SHOULD EXTEND 24 INCHES BEHIND THE CURB.
4. THE EXPOSED SUBGRADE SHOULD BE PREPARED BY REMOVING ALL TREE ROOTS AND UNDESIRABLE MATERIAL SUCH AS SOFT CLAYS. THE UPPER 6 INCHES SHOULD BE COMPACTED TO A DENSITY EQUAL TO AT LEAST 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH STANDARD PROCTOR (ASTM D-698). SOIL MOISTURE SHOULD BE WITHIN $+3\%$ OR -1% OF OPTIMUM.
5. FILL SECTIONS SHALL BE FREE OF VEGETATION OR ORGANICS. MATERIAL SHALL CONSIST OF COHESIVE SOILS AND HAVE A MAXIMUM LIQUID LIMIT OF 40, PI BETWEEN 6 AND 20, AND A MAXIMUM PARTICAL SIZE OF 3 INCHES. FILLS SHOULD BE COMPACTED IN LIFTS NOT TO EXCEED 6 INCHES AFTER COMPACTION AND BE COMPACTED IN ACCORDANCE WITH ITEM 3, ABOVE. FILL SHALL BE TxDOT ITEM 247, TYPE "A" - GRADE 2.
6. EXISTING UNDISTURBED SOIL.



TYPICAL STREET SECTION WITH RIBBON CURB

N.T.S.



TYPICAL STREET SECTION WITH STANDARD CURB AND GUTTER

N.T.S.



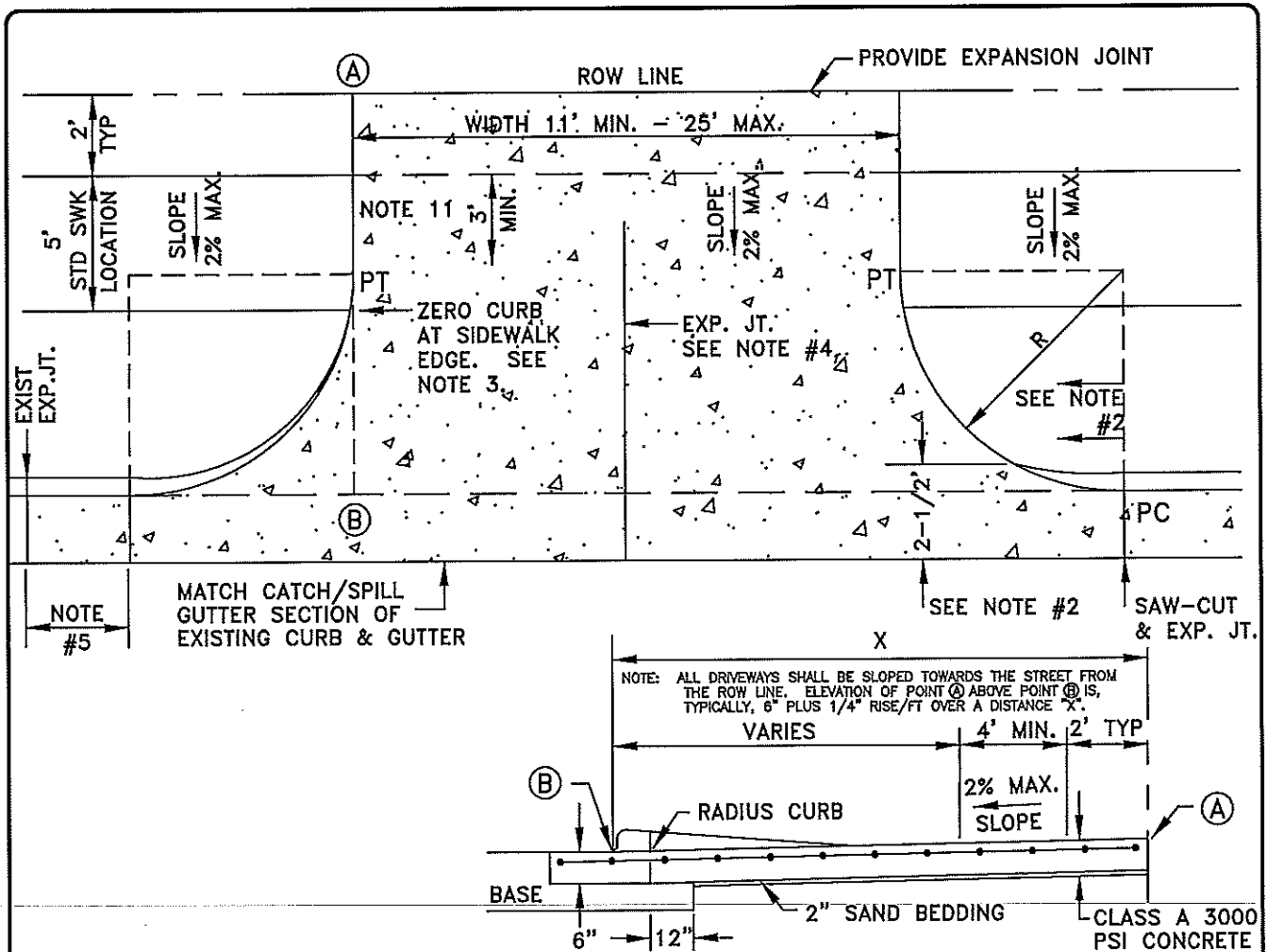
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WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

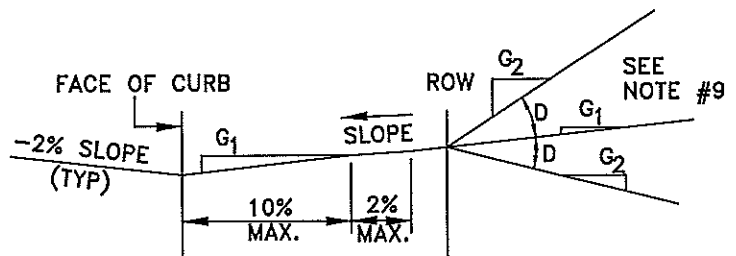
PAVEMENT SECTIONS

STANDARD
PV 004



NOTES:

1. ALL DRIVEWAYS SHALL HAVE RADIUS ENDS. MINIMUM 5' RADIUS.
2. THE DRIVEWAY EDGE SHALL BE SMOOTHLY TRANSITIONED INTO THE SIDEWALK BEGINNING AT THE RADIUS PC LINE.
3. "ZERO" CURB AT PT OR SIDEWALK EDGE, WHICHEVER IS ENCOUNTERED FIRST.
4. PLACE AN EXPANSION JOINT DOWN THE CENTER OF DRIVEWAY IF WIDTH IS GREATER THAN 15'.
5. IF DIMENSION IS LESS THAN FIVE FEET, REMOVE CURB & GUTTER TO EXISTING EXPANSION JOINT AND POUR MONOLITHICALLY WITH DRIVEWAY.
6. IF THE BASE IS OVER-EXCAVATED WHERE THE CURB & GUTTER WAS REMOVED, BACKFILL WITH CONCRETE MONOLITHICALLY WITH THE DRIVEWAY.
7. TYPE II DRIVEWAYS ARE TO BE LOCATED NO CLOSER TO THE CORNER OF INTERSECTING RIGHTS OF WAY THAN 60 PERCENT OF PARCEL FRONTAGE OR 100 FEET; WHICHEVER IS LESS.
8. DRIVEWAYS SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION.
9. WHILE THE PROPERTY OWNER REMAINS RESPONSIBLE FOR GRADE BREAKS WITHIN PRIVATE PROPERTY, THE FIRE DEPARTMENT SHOULD BE CONSULTED WHERE THE DRIVEWAY IS ESSENTIAL TO EMERGENCY VEHICLE ACCESS AND "G2" IS GREATER THAN 15%. "G1" PLUS "D" SHOULD NOT EXCEED 15%.
10. DRIVEWAYS SHALL BE 6 INCHES THICK WITH #4 REBAR @ 18" O.C.E.W.



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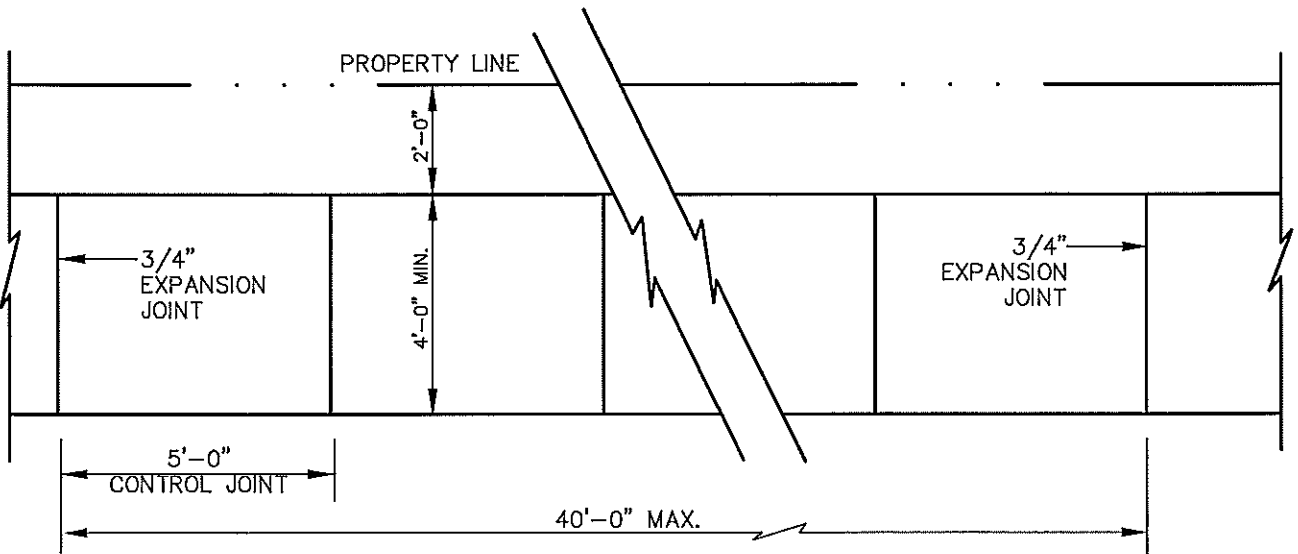
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

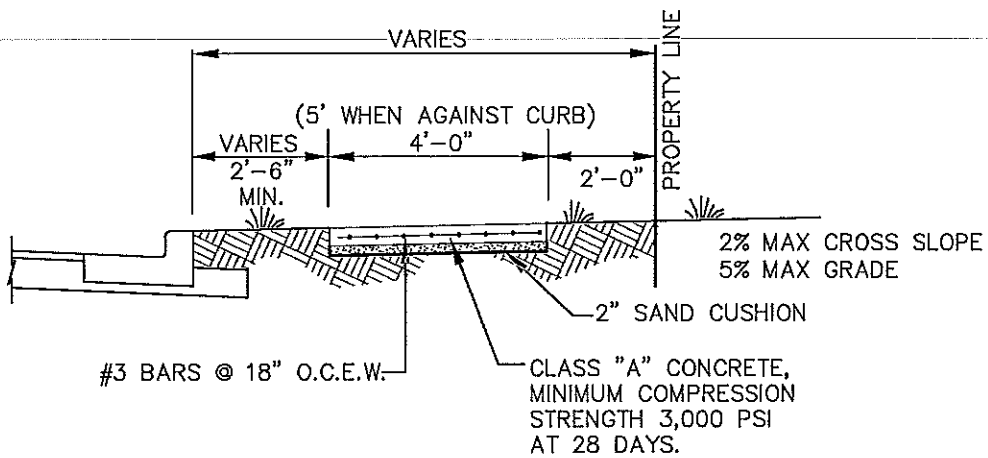
DRIVEWAY DETAIL

STANDARD

PV 005



PLAN



SECTION



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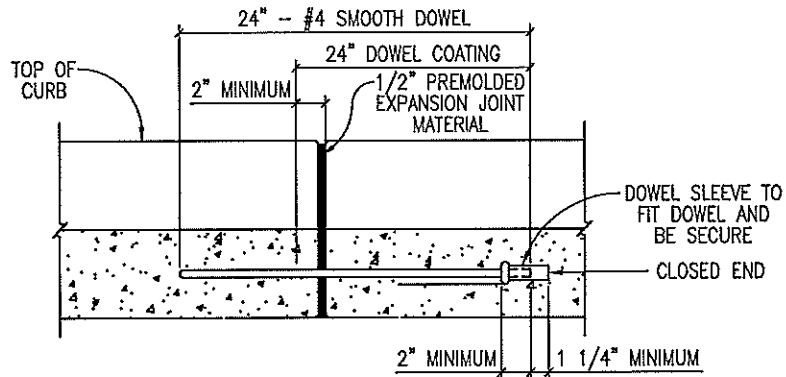
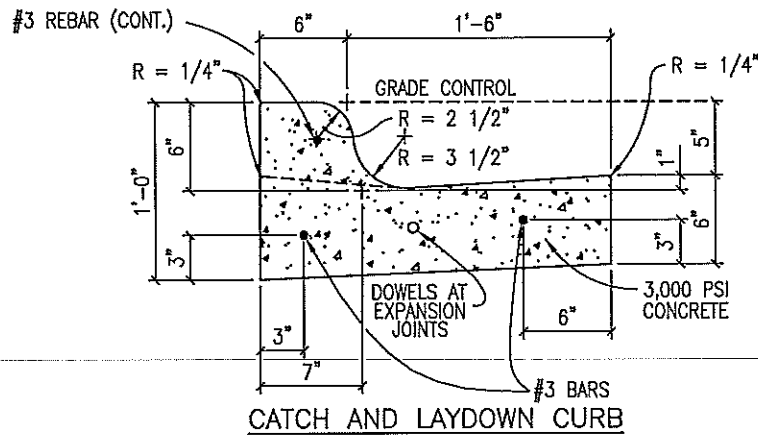
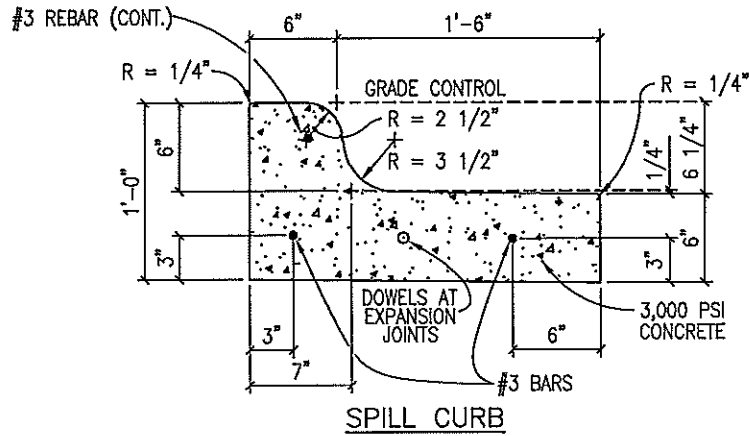
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

SIDEWALK DETAILS

STANDARD

PV 006



CURB DOWEL DETAIL

NOTES:

1. EXPANSION JOINT INTERVALS NOT TO EXCEED 40'-0".
2. 4" MINIMUM FLEX BASE UNDER CURB AND GUTTER.



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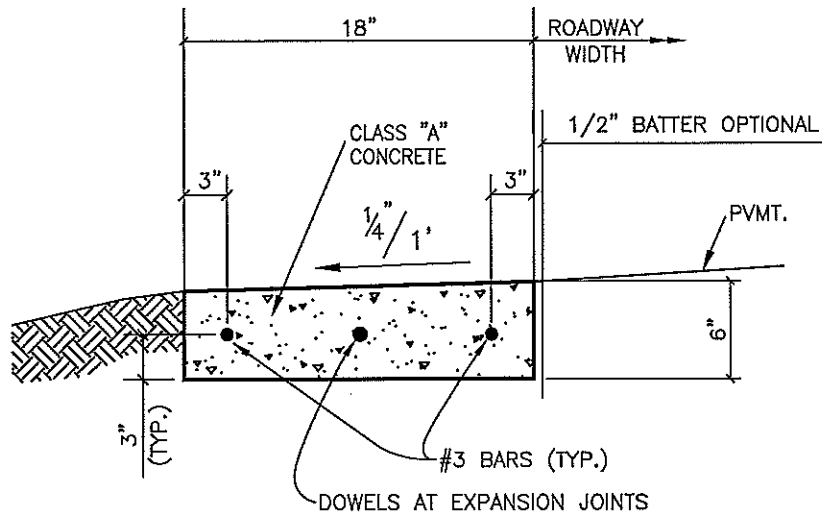
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

PV 007

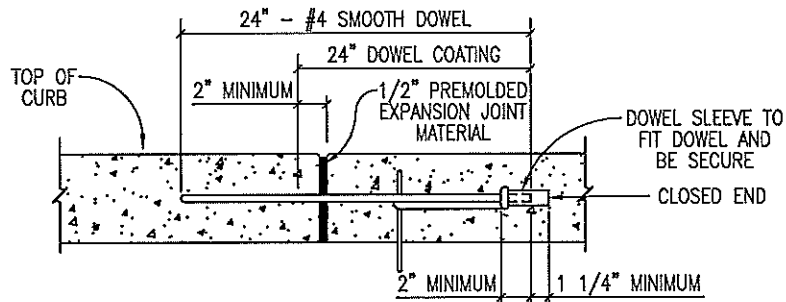
STANDARD CURB AND GUTTER DETAIL



NOTES:

1. ALL WORK AND MATERIAL SHALL CONFORM TO ASTM A615, A615M, C309, AND D1752. BROOM FINISH EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAX.
3. EXPANSION JOINTS AS PER STD. ASTM D-1752.

RIBBON CURB



NOTE:

EXPANSION JOINT INTERVALS NOT TO EXCEED 40'-0".

CURB DOWEL DETAIL



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JULY 2009

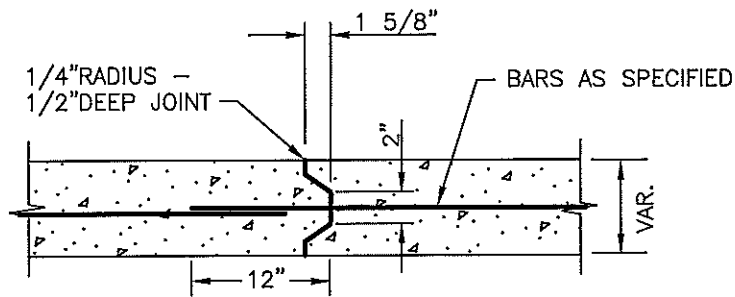
CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

RIBBON CURB DETAILS

STANDARD

PV 008

PV 009



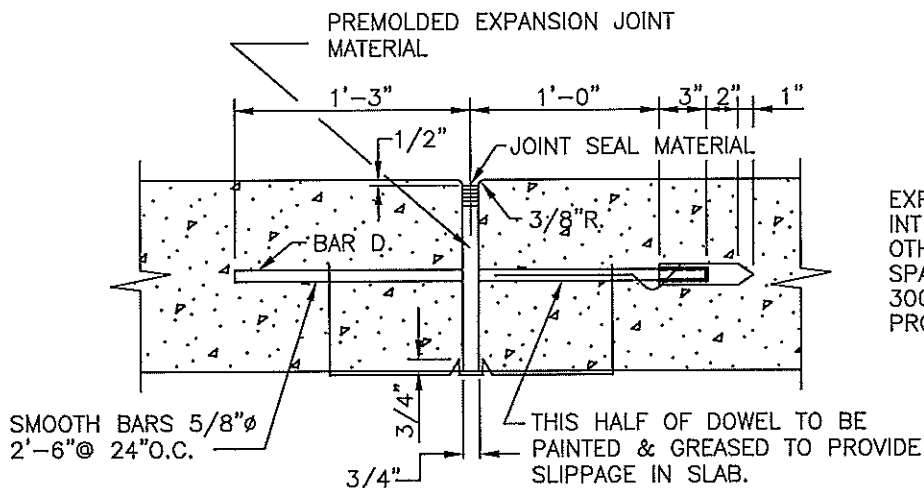
NOTE:
CONTRACTOR SHALL PROVIDE TRANSVERSE CONSTRUCTION JOINT SIMILAR IN
DETAIL TO LONGITUDINAL CONSTRUCTION JT. OR EXPANSION JT. AT THE END
OF EACH DAYS POUR OR WHEN DIRECTED BY ENGINEERS.

GENERAL NOTES:

1. CONCRETE OR BRICK CHAIRS APPROVED BY THE ENGINEER SHALL BE USED TO SUPPORT REINFORCING STEEL AND SHALL BE PLACED AT THE INTERSECTION OF LONGITUDINAL AND TRANSVERSE BARS AT SPACING AT 3'-8" LONGITUDINALLY AND 4'-0" TRANSVERSELY.
2. PAVEMENT LAYOUT WILL NECESSITATE THAT ALL CONSTRUCTION AND WARPING JOINTS COINCIDE WITH LANE LINES - THRU LANE CONSTRUCTION WILL BE CONTINUOUS WITH ALL LEFT TURN LANES AND TRANSITIONS TO BE POURED AS FILL-INS SUBJECT TO APPROVAL BY THE ENGINEER.
3. ALL TRANSVERSE AND LONGITUDINAL CONTRACTION JOINTS SHALL BE SPACED NOT TO EXCEED 20 FEET AND SHALL BE SAWED WITHIN 24 HOURS FOLLOWING CONCRETE PLACEMENT.

LONGITUDINAL CONSTRUCTION JOINT

NOT TO SCALE



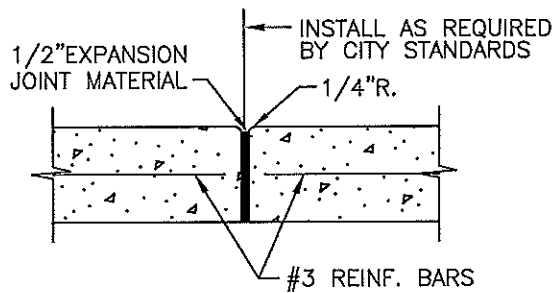
EXPANSION JOINTS TO BE AT
INTERSECTIONS, BRIDGES, AND
OTHER STRUCTURES AND AT
SPACINGS NOT TO EXCEED
300 FEET. ALL JOINTS TO BE
PROPERLY SEALED.

CONTINUOUS WELDED DOWEL BAR CHAIR CONSISTING OF 2
WIRE NO. 6 GAUGE WIRE CHAIR & DOWEL HOLDER AT EACH
DOWEL & 2 3/8"Ø STEEL BARS WELDED AT EACH INTERSECTION.

EXPANSION JOINT

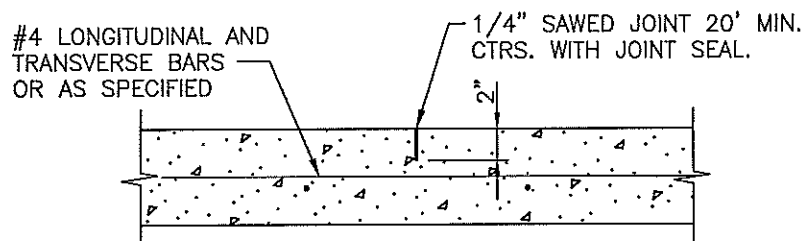
NOT TO SCALE

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	CS	JULY 2009		



CURB & GUTTER EXPANSION JOINT DETAIL

NOT TO SCALE



CONTRACTION JOINT DETAIL

NOT TO SCALE



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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

JOINT DETAILS (2 OF 2)

STANDARD

PV 011

END OF CONSTRUCTION
THIS PHASE

FUTURE PHASES

END OF ROAD
BARRICADE

STOP ASPHALT 2' TO 3'
PAST PHASE LINE

ROADWAY

12"

24" MIN.

48" MIN.
ROAD BASE OVERRUN



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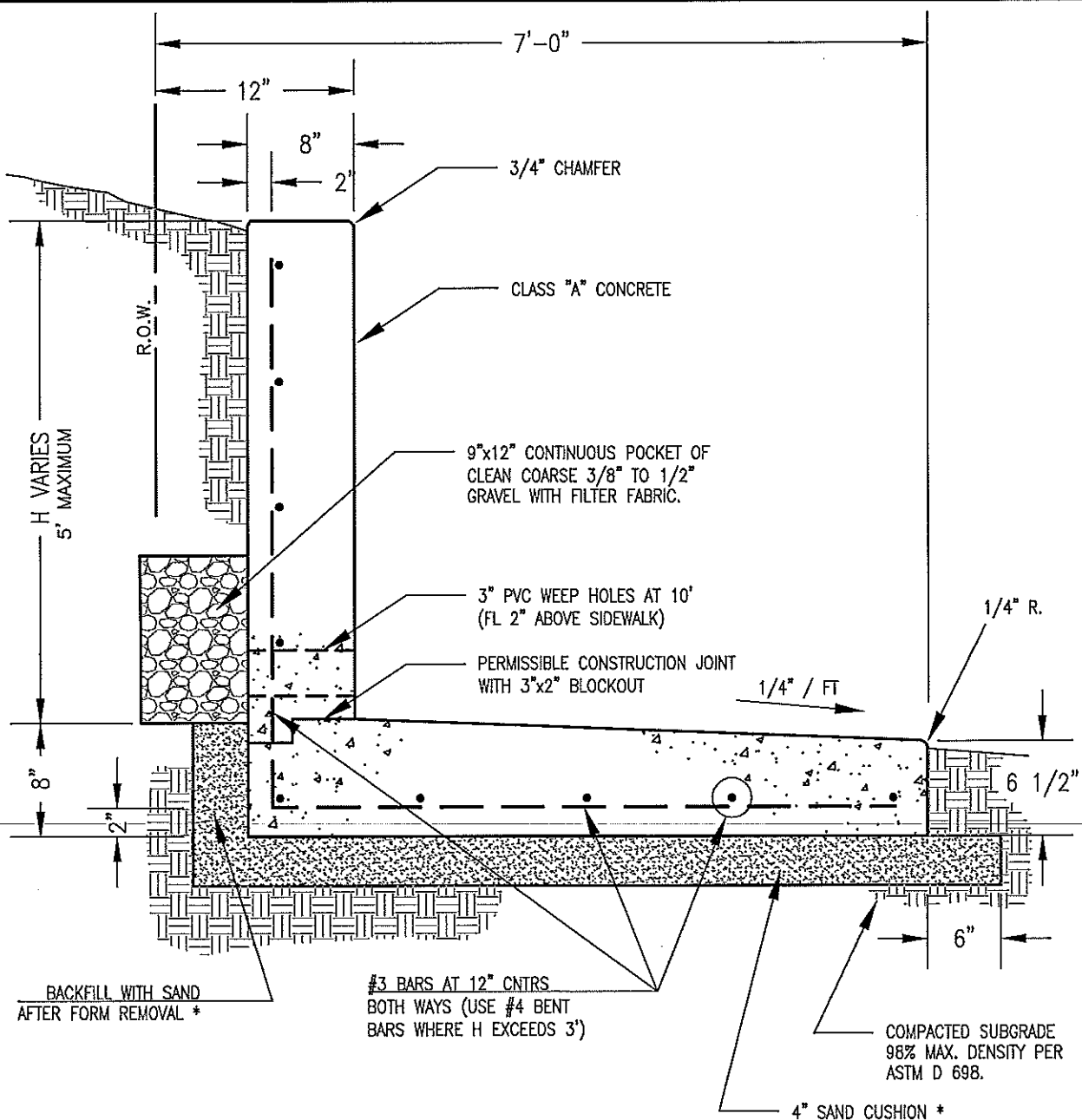
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

CONSTRUCTION LIMITS AT STREET
HEADER WITH BARRICADE

STANDARD

PV 012



NOTES:

1. PROVIDE VERTICAL EXPANSION IN WALL AT 25' MAXIMUM SPACING (SEE JOINT DETAILS AND MODIFY AS REQUIRED)
2. WALL DESIGN ASSUMES NO SURCHARGE. A SPECIAL ENGINEERING ANALYSIS IS REQUIRED FOR OTHER CONDITIONS.

* WHEN SPECIFIED ON PLANS



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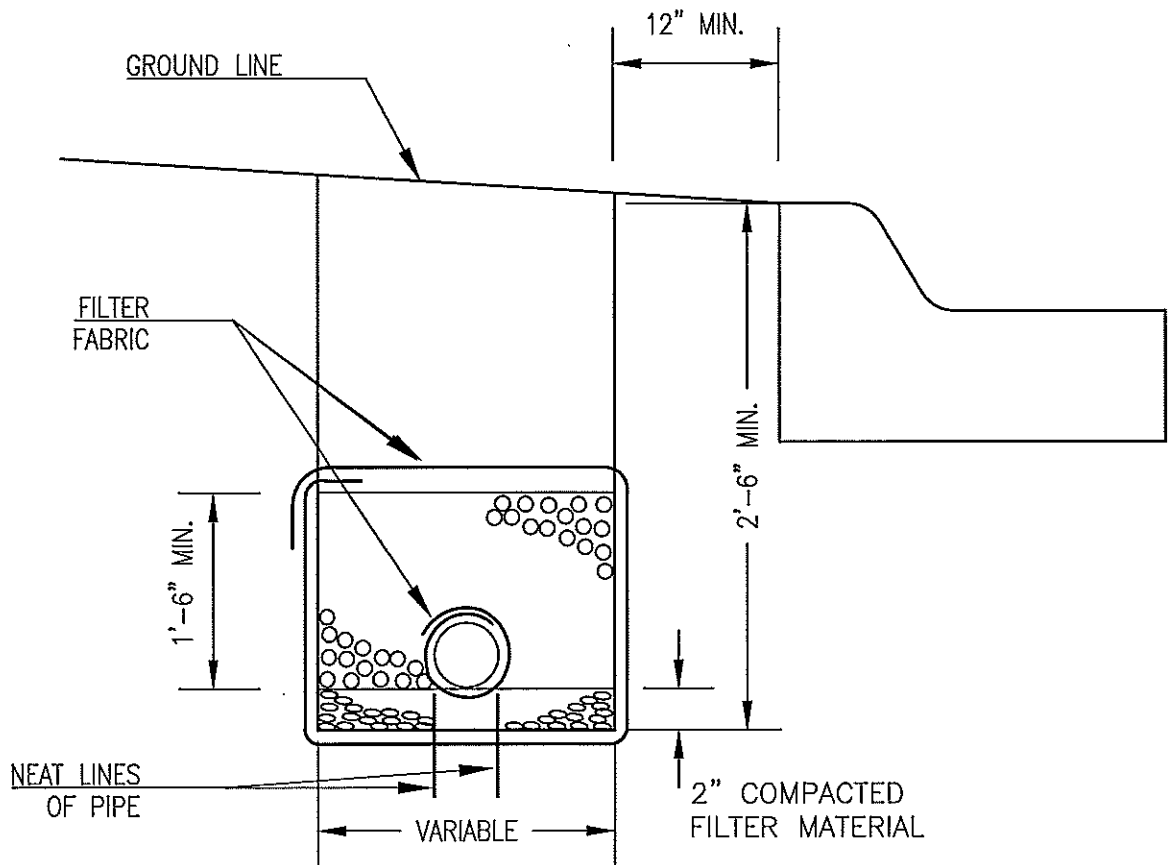
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

REINFORCED CONCRETE RETAINING
WALL WITH INTEGRAL SIDEWALK

STANDARD

PV 013



SECTION

LIMITS OF EXCAVATION

DEPTH OF TRENCH	DIST. IN FT. OUTSIDE NEAT LINES OF PIPE SUBDRAIN
0 TO 6	1.00
6 TO 10	1.50
10 TO 15	2.00
OVER 15	2.50

TYPES OF PIPES ACCEPTABLE FOR USE AS SUBDRAINS

1. PERFORATED PVC PIPE.
2. PERFORATED POLYETHYLENE PIPE.

FILTER MATERIAL SPECIFICATIONS

SIEVE SIZE	PERCENTAGE RETAINED ON SIEVE	
	TYPE A	TYPE B
1 1/2	---	0-10
3/4	0-10	20-40
3/8	15-35	---
No. 4	35-55	40-60

MATERIAL FINER THAN No. 4 SIEVE

4	---
20	35-65
50	75-100



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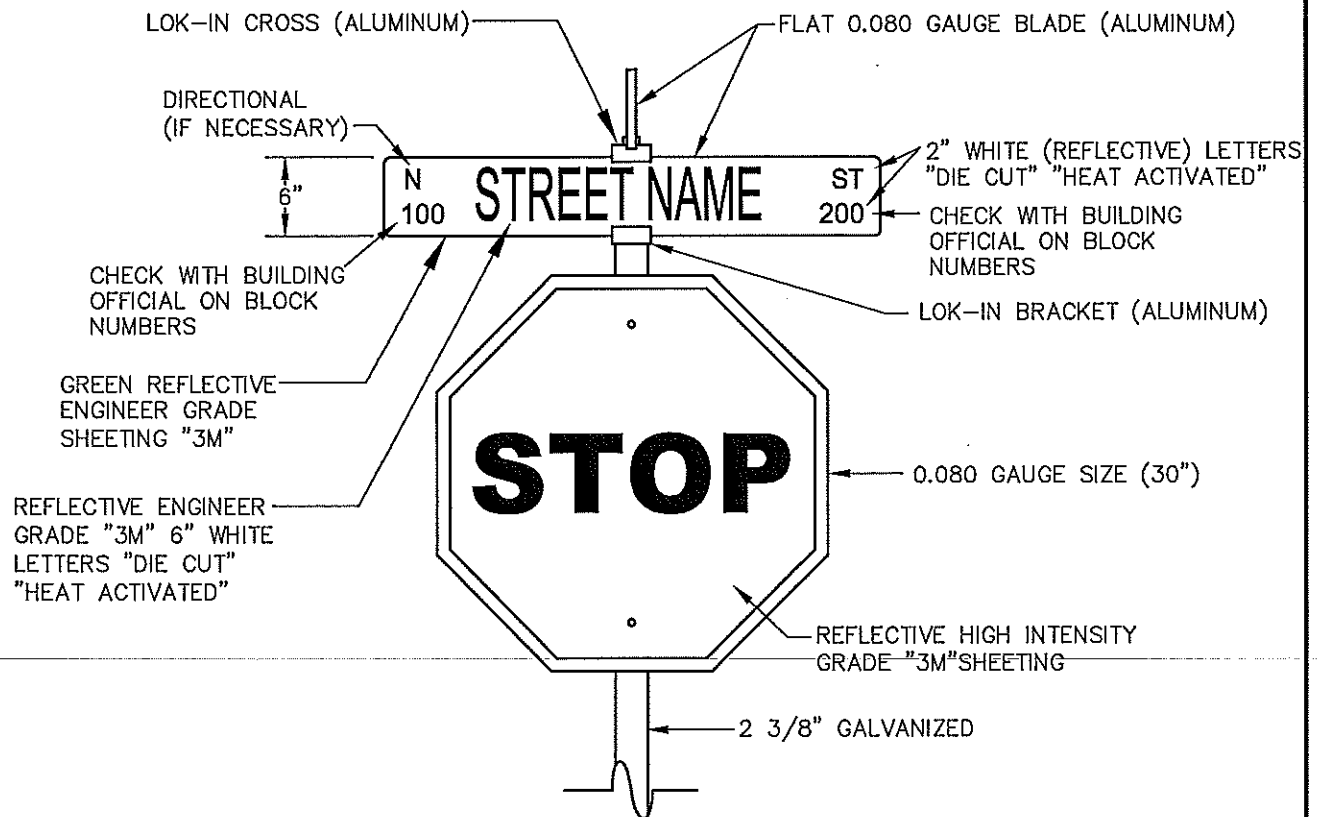
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

PV 014

PAVEMENT SUBDRAIN DETAIL



NOTE:

1. 7-FOOT MIN. HEIGHT FROM GROUND TO BOTTOM OF LOWEST SIGN

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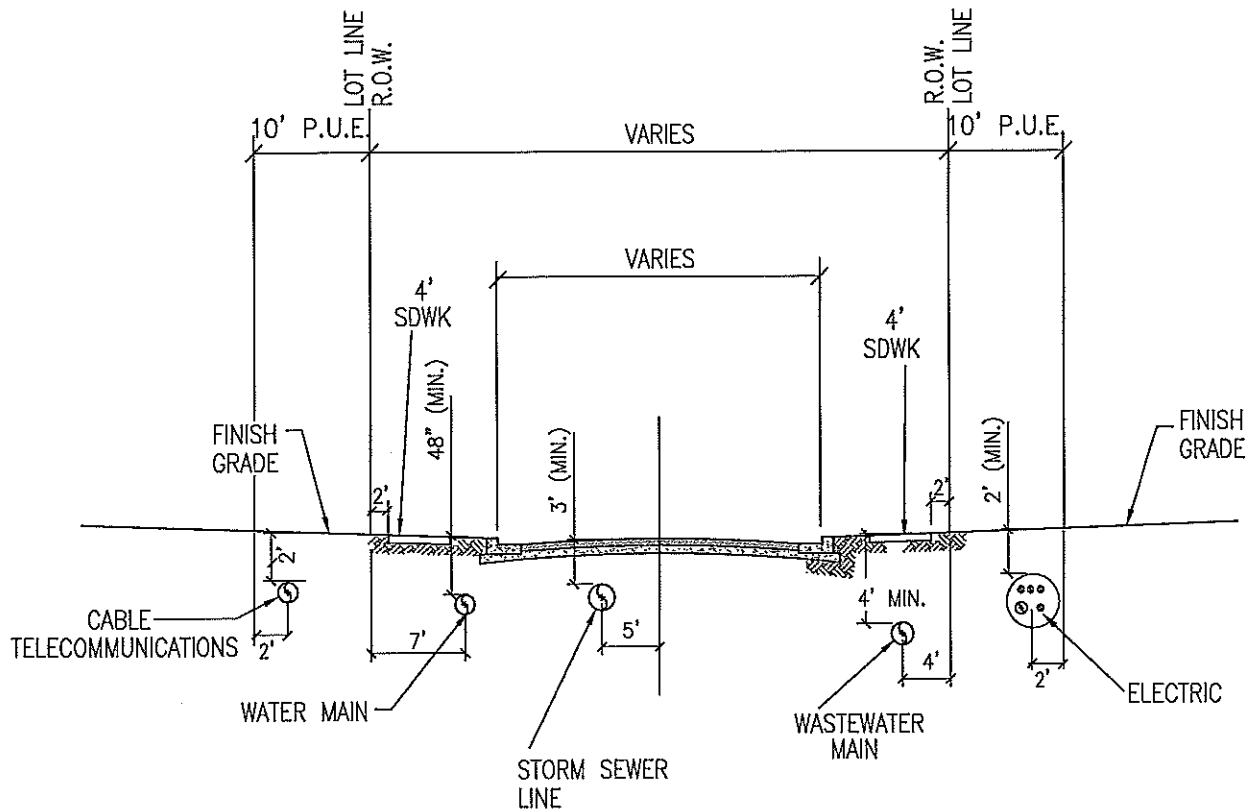
WEDGE IS FABRICATED
FROM 0.109" TO 0.124"
THICK GALVANIZED
SHEET STEEL PER
ASTM A653 SS
GRADE 40 G210
STAMPED INTO
PROFILE SHOWN.



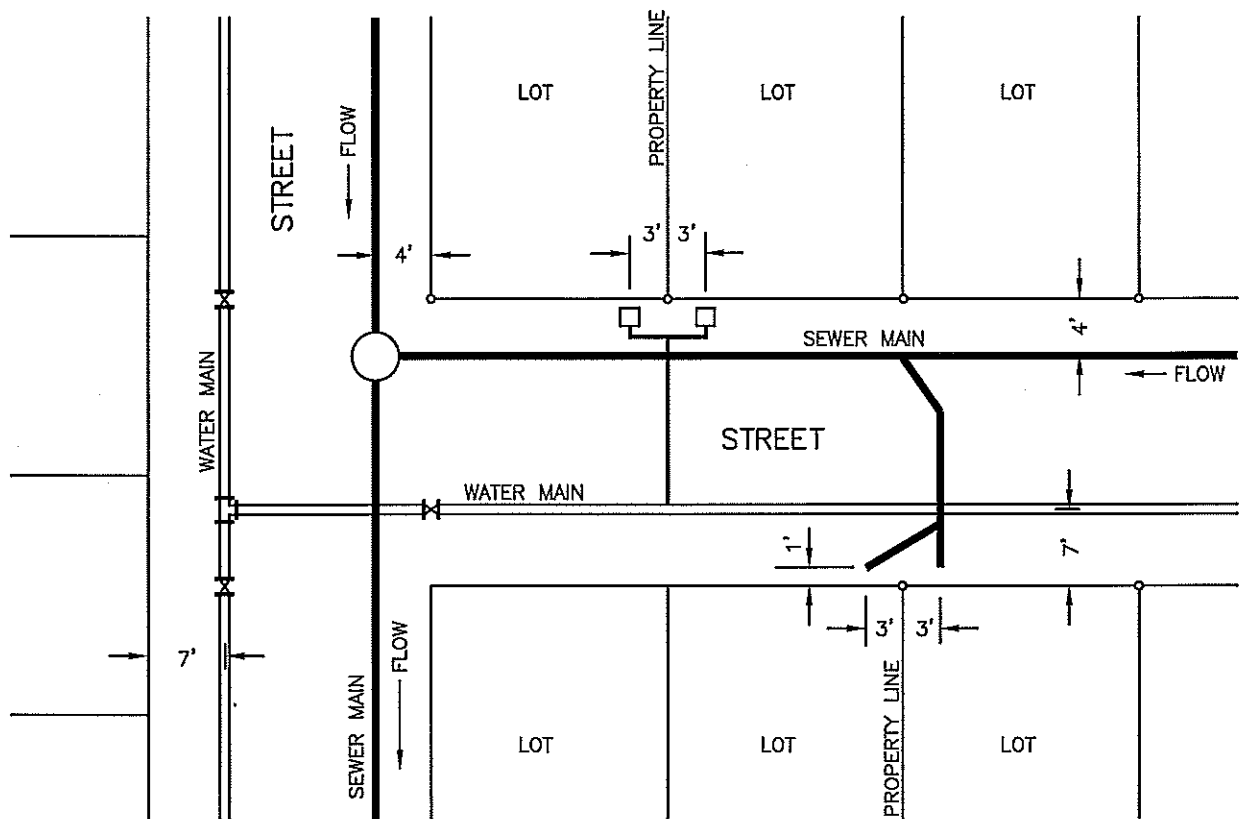
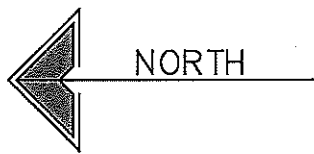
WALL THICKNESS (UNCOATED) SHALL BE WITHIN THE RANGE OF 0.097" TO 0.113"
GALVANIZATION PER ASTM A123 AFTER FABRICATION, OR PER ASTM A653 G210. FOR PERCOATED STEEL TUBING
(ASTM A653) RECOAT TUBE OUTSIDE DIAMETER WELD SEAM BY METALLIZING WITH ZINC WIRE PER ASTM B833.



PV 016



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			TYPICAL UTILITY ASSIGNMENTS	UT 001



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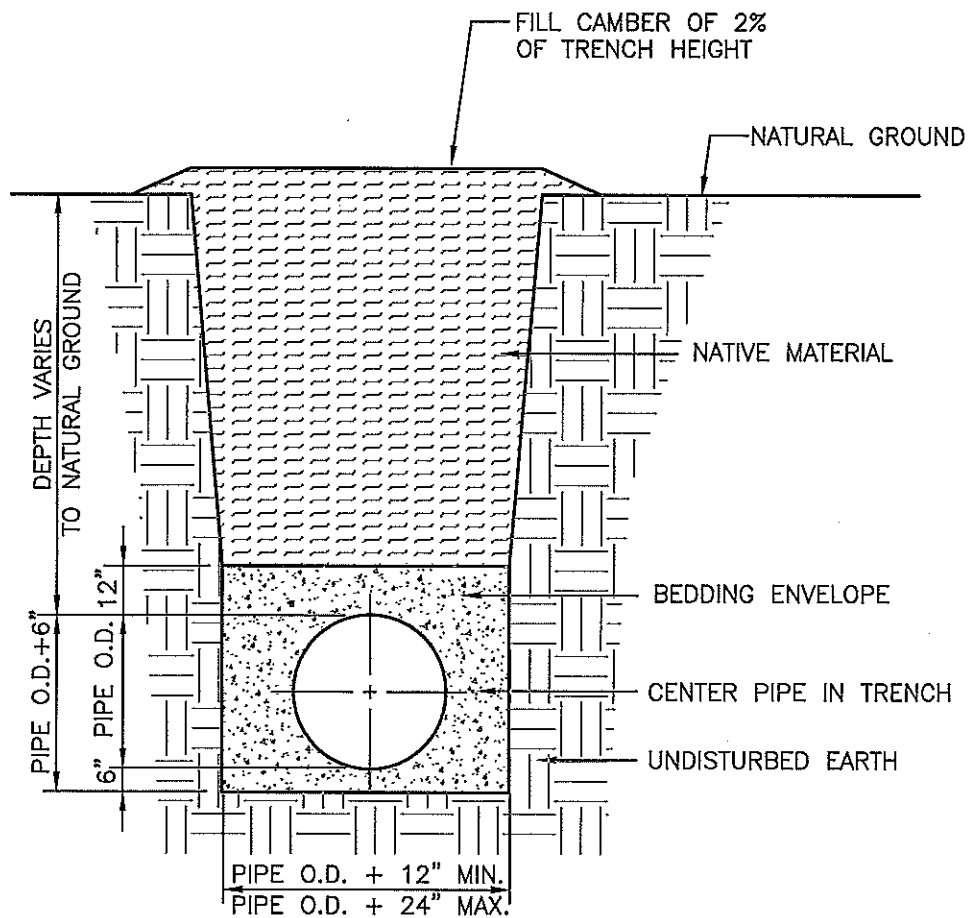
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

TYPICAL MAIN & SERVICE LOCATIONS

STANDARD

UT 002



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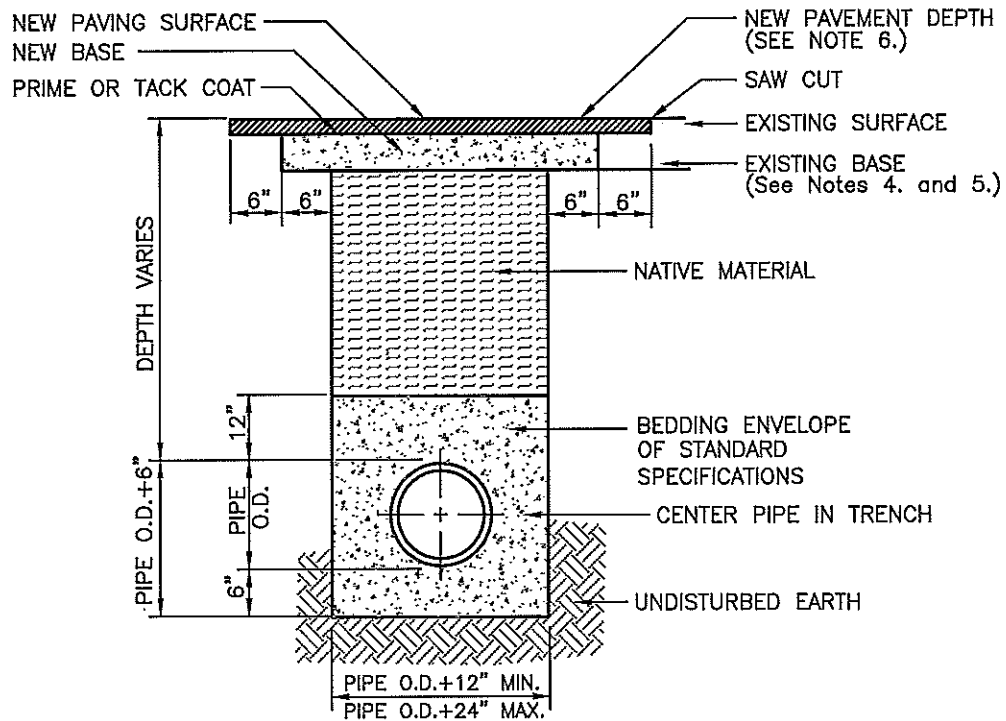
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

TYPICAL TRENCH
WITH UNFINISHED SURFACE

UT 003



NOTES:

1. THE EXISTING PAVING SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE A MINIMUM OF 12" WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMETRICAL ABOUT THE CENTER LINE OF THE EXCAVATION.
2. ANY CONCRETE PAVING SHALL BE SAW CUT 6" WIDER THAN UNDISTURBED SIDES OF EXCAVATION.
3. IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR TEMPORARY HOT MIX.
4. ROAD BASE AND SURFACE MATERIALS IN THE TRENCH CUT SHALL BE REPLACED IN KIND OF EQUAL THICKNESS, OR MINIMUM BASE THICKNESS OF 10 INCHES, WHICHEVER IS GREATER
5. ALL DAMAGED AREAS OF PAVEMENT OUTSIDE THE TRENCH CUT SHALL BE REMOVED AND REPLACED WITH MINIMUM OF 8 INCHES OF BASE OR MATCH EXISTING, WHICHEVER IS GREATER.
6. SURFACE PAVEMENT SHALL BE OF THE KIND AND THICKNESS AS EXISTING, OR MINIMUM 2 INCHES, WHICHEVER IS GREATER
7. ALL PRESSURE PIPE SHALL BE PROVIDED WITH THRUST BLOCKS WHERE CHANGES IN DIRECTION OCCUR, AT TEES, BENDS, CROSSES, CHANGES IN SLOPE, STOPS (DEAD ENDS) VALVES AND OR AS SHOWN, ON THE PLANS OR AS DIRECTED BY THE ENGINEER.



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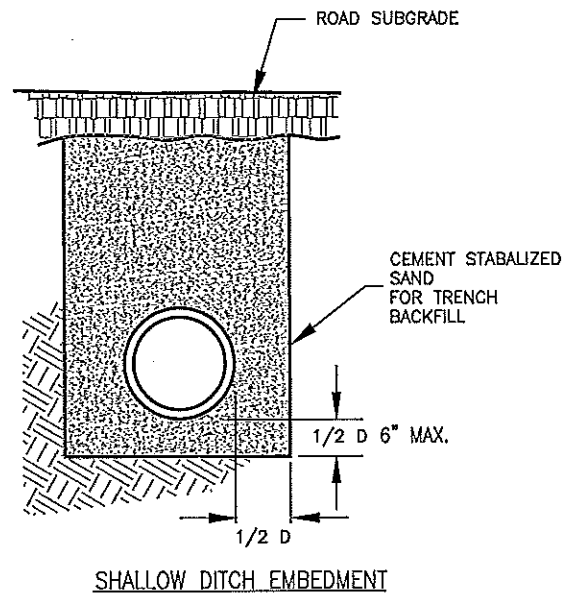
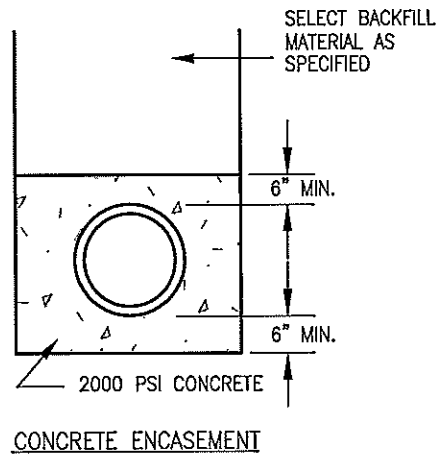
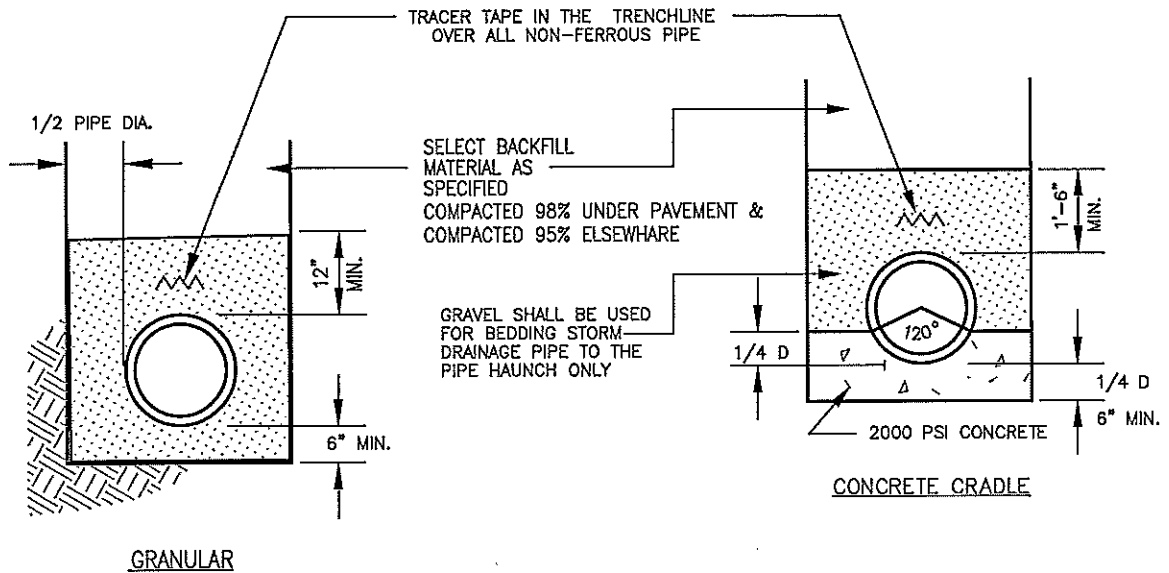
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

TYPICAL TRENCH
WITH PAVED SURFACE

STANDARD

UT 004



**** TYPICAL BEDDING SPECIFICATIONS:**

SIEVE SIZE	3/8" F % RETAINED	1/2" D % RETAINED	WASHED GRAVEL % RETAINED
1/2"	0	0	0
3/8"	0-2	5-25	-
4m	40-85	80-100	-
10m	95-100	96-100	-
3/4"	-	-	100



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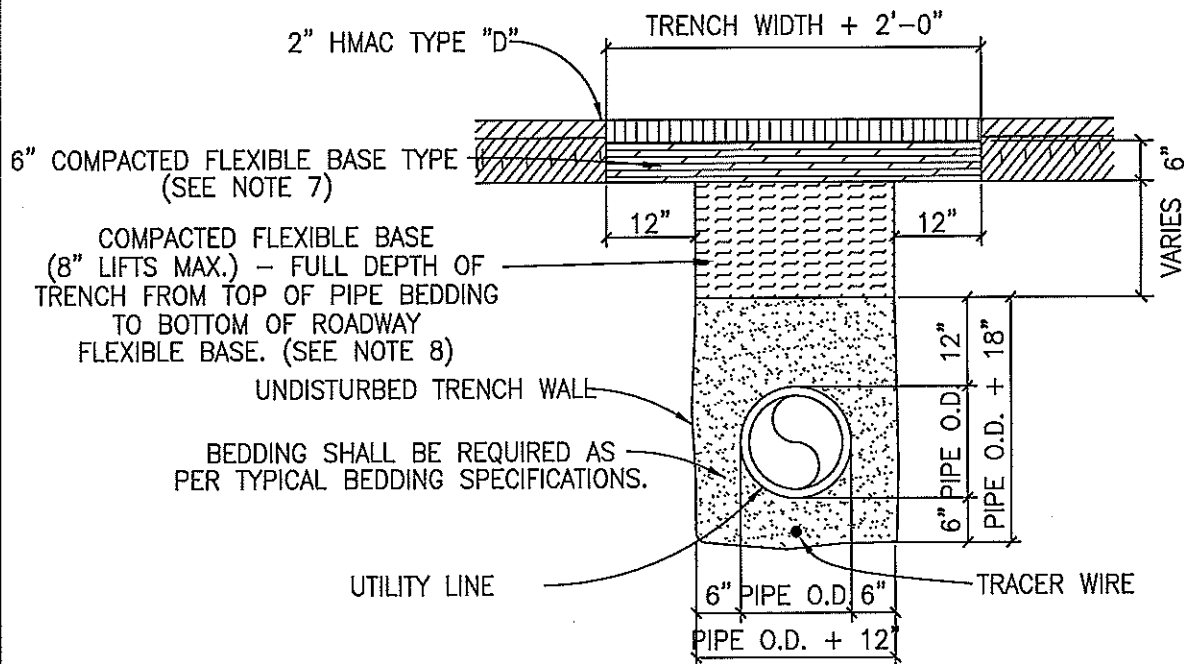
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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD
EMBEDMENT AND ENCASEMENT

STANDARD

UT 005



NOTES:

1. REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE.
2. BASE MATERIAL SHALL BE PLACED IN TWO OR THREE LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO SPECIFIED MAXIMUM DENSITY.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.
5. A MINIMUM OF ONE DENSITY TEST SHALL BE TAKEN EVERY FIVE HUNDRED (500) FEET FOR EACH SIX (6) INCH LIFT OF SUBGRADE AND EACH OPEN CUT CROSSING. PROCTORS FOR MATERIALS USED IN BACKFILLING SHALL BE OBTAINED BY A CERTIFIED LABORATORY. DENSITY TESTS SHALL BE CONDUCTED BY A CERTIFIED LABORATORY OR THE PERMITTEE'S CONSULTANTS. THE PERCENTAGE OF MAXIMUM DENSITY REQUIRED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "THE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AT THE TIME THE PERMIT WAS ISSUED. ALL DENSITY TESTS SHALL BE COMPLETED AND ACCEPTED ON EACH LAYER PRIOR TO ADDITIONAL BACKFILLING. A COPY OF ALL COMPLETED AND ACCEPTED DENSITY TESTS SHALL BE FURNISHED TO CITY.
6. THESE SPECIFICATIONS MAY BE SUPERSEDED BY THE GOVERNING AGENCY.
7. FLEXIBLE BASE: (ROADWAY BASE)
TxDOT TYPE A - GRADE 2 OR BETTER CRUSHED LIMESTONE BASE COMPACTED TO 100% OF TxDOT 113E AT OPTIMUM MOISTURE. PROCTOR TO BE PROVIDED BY THE CONTRACTOR TO THE CITY INSPECTOR.
8. FLEXIBLE BASE: (TRENCH BACKFILL)
TxDOT TYPE A - GRADE 2 OR BETTER CRUSHED LIMESTONE BASE COMPACTED TO 98% OF TxDOT 113E AT OPTIMUM MOISTURE. PROCTOR TO BE PROVIDED BY THE CONTRACTOR TO THE CITY INSPECTOR.
9. CONTRACTOR OR ENGINEER MAY REQUEST FOR USE OF ALTERNATE BACKFILL MATERIAL. ALTERNATE MATERIALS AND TESTING PROTOCOL MUST BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER PRIOR TO USE.



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DATE: JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS
TRENCH DETAIL WITH PAVEMENT
REPLACEMENT UNDER
EXISTING ROADWAY

STANDARD
UT 006



	3/8" F	1/2" D	WASHED GRAVEL
SIEVE SIZE	% RETAINED	% RETAINED	% RETAINED
1/2"	0	0	0
3/8"	0-2	5-25	-
4m	40-85	80-100	-
10m	95-100	96-100	-
3/4"	-	-	100

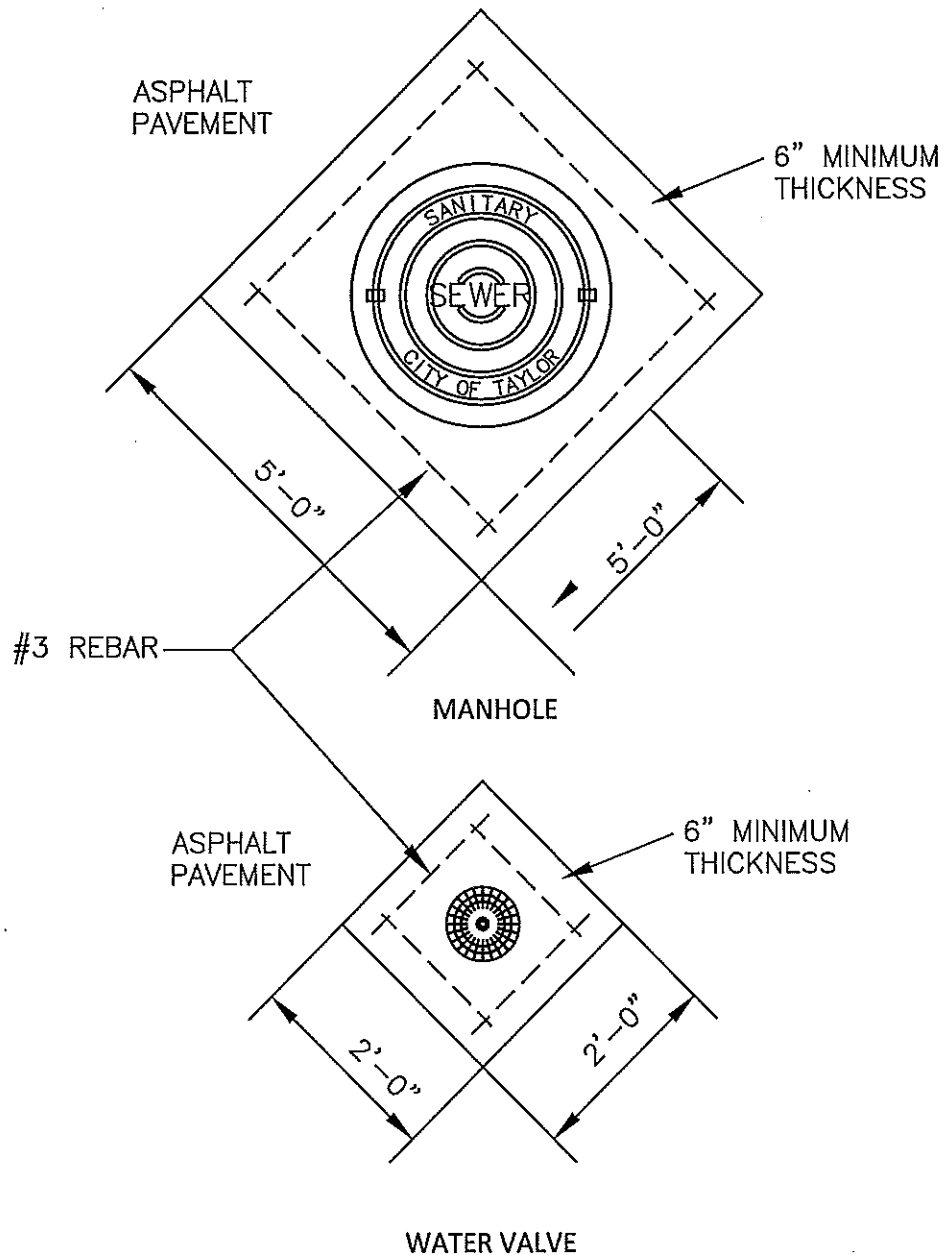


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JULY 2009

CONCRETE TRENCH CAP DETAIL

UT 007



NOTES:

1. ALL ASPHALT PAVEMENT SHALL BE REMOVED ALONG NEAT SAW CUT LINES.
2. MANHOLE BOXOUT REQUIRED FOR ALL MANHOLES (STORM AND SANITARY) AND CLEANOUTS LOCATED IN THE STREET.
3. 1/2" RADIUS EDGE ON CONCRETE
4. #3 REBAR - 3000 PSI



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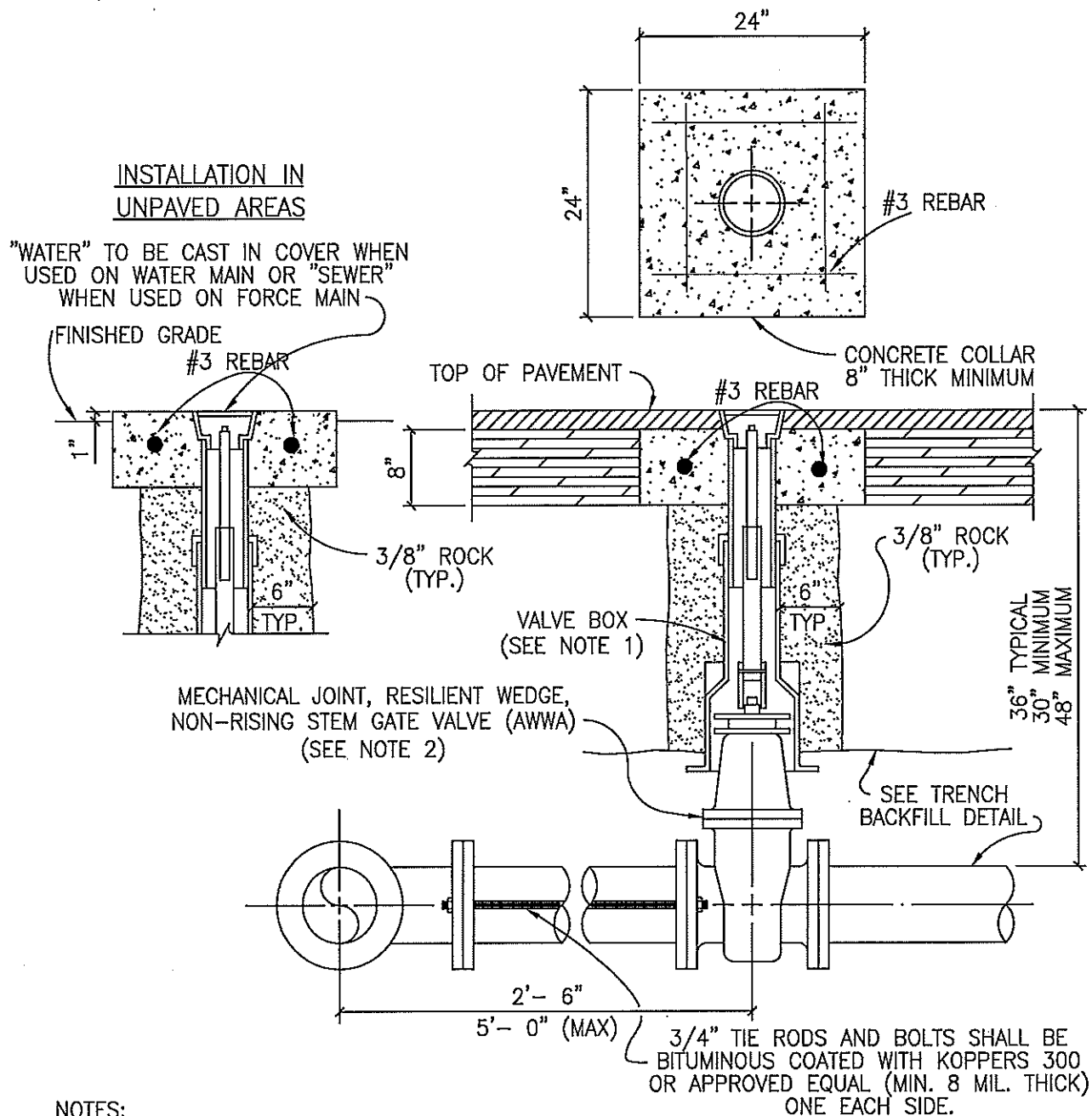
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

MANHOLE AND WATER VALVE BOXOUT

STANDARD

UT 008



NOTES:

1. VALVE BOX SHALL BE AMERICAN FLOW CONTROL TRENCH ADAPTER OR APPROVED EQUAL HAVING AN ADJUSTABLE RANGE OF + OR - 6 INCHES FROM INSTALLED FINISH GRADE.
2. ACCEPTABLE GATE VALVES ARE:
 - A. AMERICAN FLOW CONTROL - SERIES 2500
 - B. MUELLER - 2360 SERIES
 - C. CLOW



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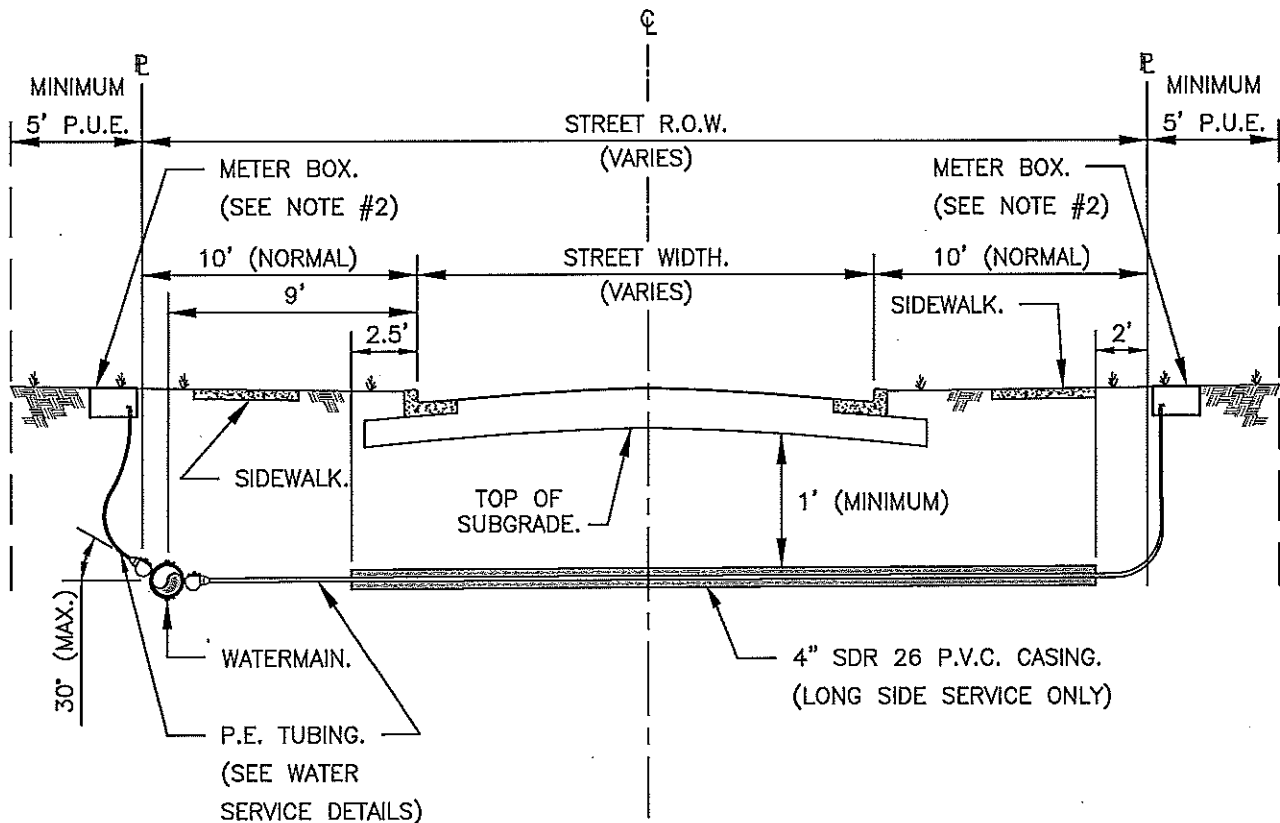
DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

TYPICAL VALVE SETTING

STANDARD

UT 009



NOTE:

1. REFER TO "STANDARD INSTALLATION DETAIL FOR ONE OR TWO METERS" FOR SERVICE SPECIFICS.
2. METER BOXES SHALL BE SET AS CLOSE TO R.O.W. (R) AS POSSIBLE, WITH NO PART OF BOX WITHIN R.O.W. METER BOXES SHALL BE LEVEL FROM SIDE TO SIDE AND NO MORE THAN 1/4"/FT. SLOPE FROM FRONT TO BACK (OR BACK TO FRONT). GRADING IN P.U.E. AROUND METER BOX SHALL BE 3:1 MAXIMUM AND SHALL BLEND TO OTHER UTILITY APPURTENANCES WITHOUT ABRUPT ELEVATION CHANGES.



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JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

WATER SERVICE CASING DETAIL

STANDARD

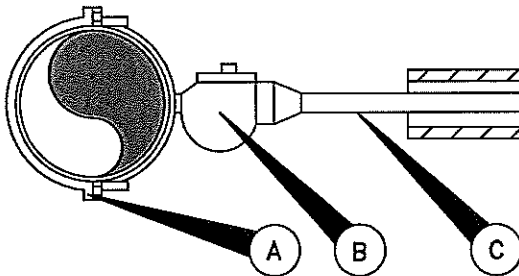
UT 010

MATERIAL LIST

- A. SERVICE CLAMP REQUIRED.
 - B. 1" CORPORATION STOP --- SERVICE PIPE OUTLET.
 - C. 1" SERVICE PIPE.
 - D. LOCKING ANGLE METER STOP; SERVICE PIPE INLET X SWVEL COUPLING NUT OUTLET:
 - FOR 5/8" AND 3/4" METERS: 1" x 3/4"
 - FOR 1" METERS: 1" x 1"
 - E. PLASTIC RECTANGULAR METER BOX. (SEE NOTE #5)
 - F. PIPE CASING WHERE APPLICABLE. (SEE SEPARATE DETAIL)
- NOTE: G THRU J TO BE INSTALLED UNDER SEPARATE BUILDING PERMIT.
- G. WATER METER, CENTERED IN BOX. (SEE TABLE AT RIGHT)
 - H. WATER METER COUPLING; MALE I.P.T. X SWVEL COUPLING NUT:
 - FOR 5/8" AND 3/4" METERS: 3/4" x 8 1/2" LONG.
 - FOR 1" METERS: 1" x 8 1/2" LONG.
 - I. BRONZE GATE VALVE: NON-RISING STEM (3/4" OR 1") FEMALE I.P.T. (PROPERTY OWNERS CUT-OFF OUTSIDE METER BOX IN SEPARATE VALVE CAN WITH LID AS PER CITY STANDARDS).
 - J. 3/4" OR 1" PIPE MEETING CITY PLUMBING CODE REQUIREMENTS.

NOTES:

1. SERVICE PIPE SHALL BE COPPER TUBE SIZE. IT MAY BE 150 PSI ANNEALED SEAMLESS TYPE "K" COPPER TUBING.
2. SERVICE SADDLES SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
3. TOP OF BOXES SHALL BE 1" ABOVE FINISHED GRADE.
4. PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 510.3 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS CALLED TO "PIPE BEDDING ENVELOPE" AND "BACKFILLING", SECTIONS 510.3 (14) AND 510.3 (25), RESPECTIVELY.
5. METER BOX TO BE MODEL DFW-3612 BY DFW ROTEC, INC. OR APPROVED EQUAL. PROVIDE BLACK-PAINTED METAL LID WITH METER READER.
6. AXIS OF METER ASSEMBLY (METER STOP, METER, PIPING AND OWNERS CUTOFF) SHALL BE 10" BELOW TOP OF BOX.
7. SLOTS PROVIDED IN METER BOX TO ACCOMMODATE PIPING INTO AND OUT OF BOX SHALL NOT BE MODIFIED.



MAXIMUM SLOPE 1/4"/FT.
FRONT TO BACK OR BACK TO FRONT.

BOX TO BE LEVEL
SIDE TO SIDE.

METER SIZE	LENGTH
5/8"	7 3/4"
3/4"	9"
1"	11"



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REVISED BY:	DATE:

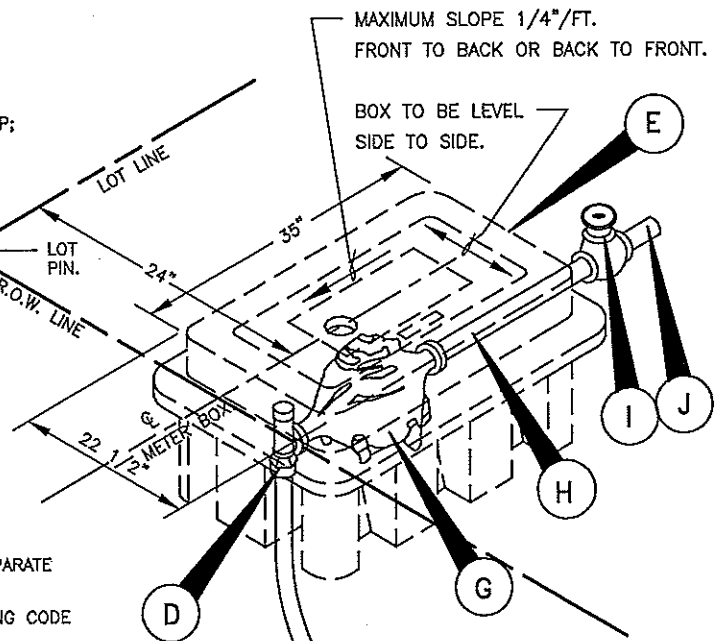
CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

SINGLE 5/8", 3/4" OR 1"
WATER METER DETAIL

STANDARD
UT 011

MATERIAL LIST

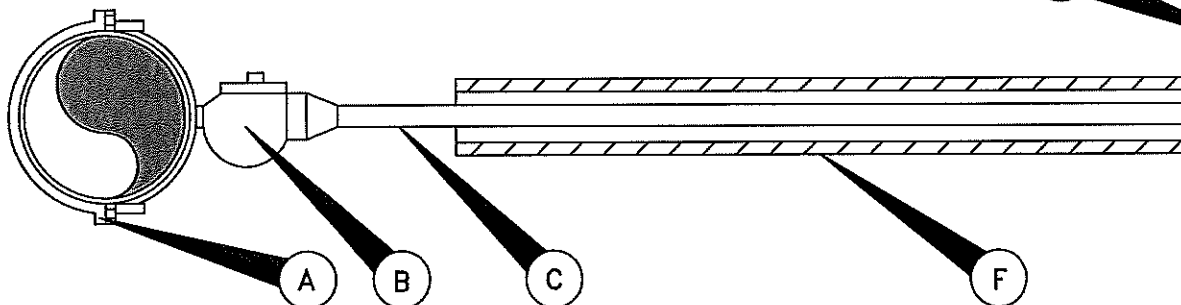
- A. SERVICE CLAMP REQUIRED.
 - B. 2" CORPORATION STOP --- SERVICE PIPE OUTLET.
 - C. 2" SERVICE PIPE.
 - D. BUSHING (IF NECESSARY) AND LOCKING ANGLE METER STOP;
SERVICE PIPE INLET X FLANGED COUPLING OUTLET:
- FOR 1 1/2" METERS: 1 1/2" X 1 1/2"
- FOR 2" METERS: 2" X 2"
 - E. PLASTIC RECTANGULAR METER BOX.
(SEE NOTE #5)
 - F. PIPE CASING WHERE APPLICABLE.
(SEE SEPARATE DETAIL)
- NOTE: G THRU J TO BE INSTALLED
UNDER SEPARATE BUILDING PERMIT.
- G. WATER METER, CENTERED IN BOX. (SEE TABLE AT RIGHT)
 - H. WATER METER COUPLING; MALE I.P.T. X FLANGED
COUPLING NUT:
- LENGTH OF PIPE TO BE DETERMINED BY CONTRACTOR.
 - I. BRONZE GATE VALVE: NON-RISING STEM (1 1/2" OR 2")
FEMALE I.P.T.
(PROPERTY OWNERS CUT-OFF OUTSIDE METER BOX IN SEPARATE
VALVE CAN WITH LID AS PER CITY STANDARDS).
 - J. BUSHING (IF NECESSARY) AND PIPE MEETING CITY PLUMBING CODE
REQUIREMENTS.



METER SIZE	LENGTH
1 1/2"	13"
2"	17"

NOTES:

1. SERVICE PIPE SHALL BE COPPER TUBE SIZE. IT MAY BE 150 PSI ANNEALED SEAMLESS TYPE "K" COPPER TUBING OR 200 PSI BLACK COLORED POLYETHYLENE HAVING A DIMENSION RATIO OF 9 (DR9).
2. SERVICE SADDLES SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
3. TOP OF BOXES SHALL BE 1" ABOVE FINISHED GRADE.
4. PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 510.3 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS CALLED TO "PIPE BEDDING ENVELOPE" AND "BACKFILLING", SECTIONS 510.3 (14) AND 510.3 (25), RESPECTIVELY.
5. METER BOX TO BE MODEL DFW-6512 BY DFW ROTECH, INC. OR APPROVED EQUAL. PROVIDE BLACK-PAINTED METAL LID WITH METER READER.
6. AXIS OF METER ASSEMBLY (METER STOP, METER, PIPING AND OWNERS CUTOFF) SHALL BE 10" BELOW TOP OF BOX.
7. SLOTS PROVIDED IN METER BOX TO ACCOMMODATE PIPING INTO AND OUT OF BOX SHALL NOT BE MODIFIED.



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DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

SINGLE 1 1/2" OR 2"
WATER METER DETAIL

STANDARD

UT 012

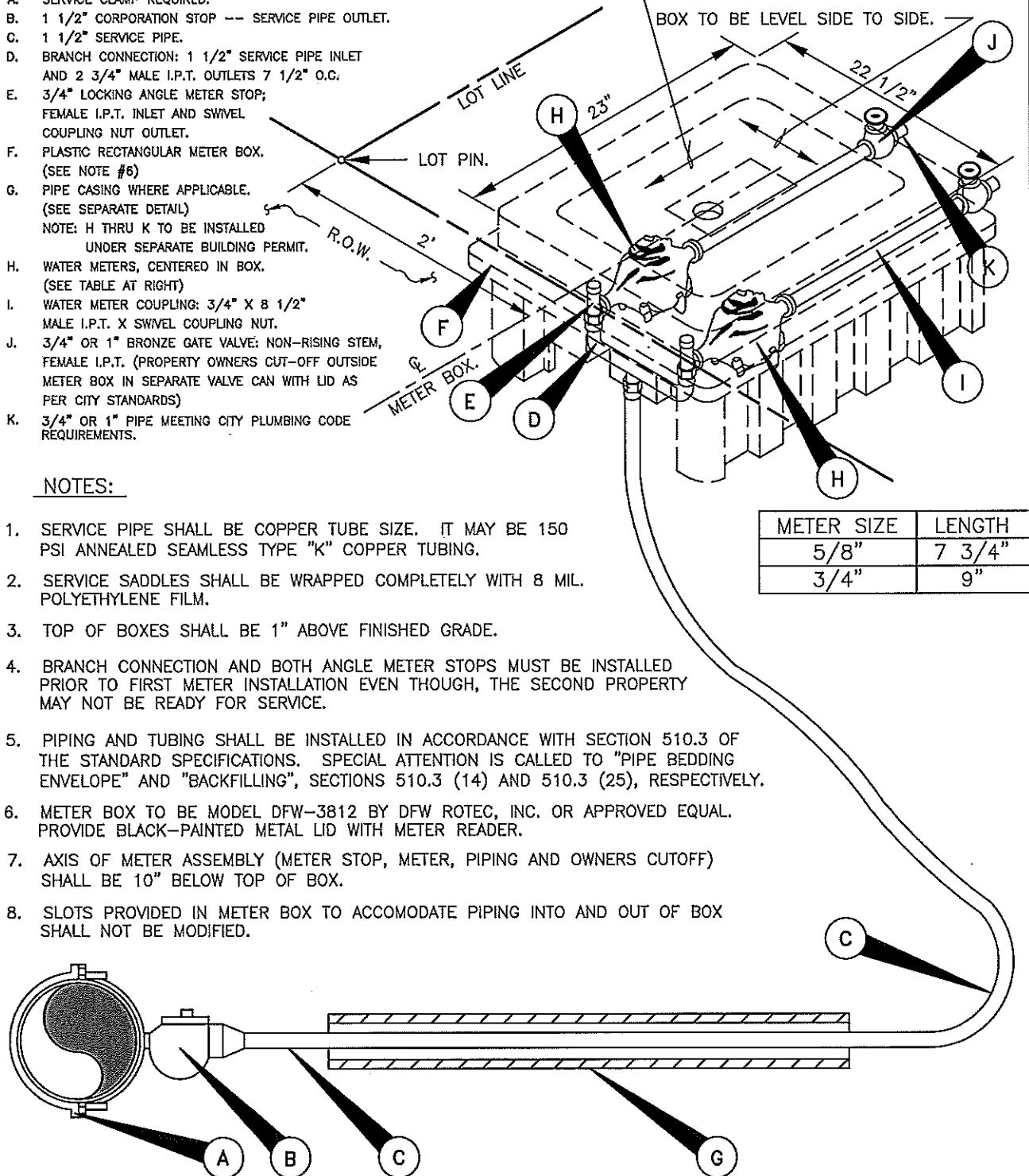
MATERIAL LIST

- A. SERVICE CLAMP REQUIRED.
- B. 1 1/2" CORPORATION STOP --- SERVICE PIPE OUTLET.
- C. 1 1/2" SERVICE PIPE.
- D. BRANCH CONNECTION: 1 1/2" SERVICE PIPE INLET AND 2 3/4" MALE I.P.T. OUTLETS 7 1/2" O.C.
- E. 3/4" LOCKING ANGLE METER STOP; FEMALE I.P.T. INLET AND SWIVEL COUPLING NUT OUTLET.
- F. PLASTIC RECTANGULAR METER BOX. (SEE NOTE #6)
- G. PIPE CASING WHERE APPLICABLE. (SEE SEPARATE DETAIL)
NOTE: H THRU K TO BE INSTALLED UNDER SEPARATE BUILDING PERMIT.
- H. WATER METERS, CENTERED IN BOX. (SEE TABLE AT RIGHT)
- I. WATER METER COUPLING: 3/4" X 8 1/2" MALE I.P.T. X SWIVEL COUPLING NUT.
- J. 3/4" OR 1" BRONZE GATE VALVE: NON-RISING STEM, FEMALE I.P.T. (PROPERTY OWNERS CUT-OFF OUTSIDE METER BOX IN SEPARATE VALVE CAN WITH LID AS PER CITY STANDARDS)
- K. 3/4" OR 1" PIPE MEETING CITY PLUMBING CODE REQUIREMENTS.

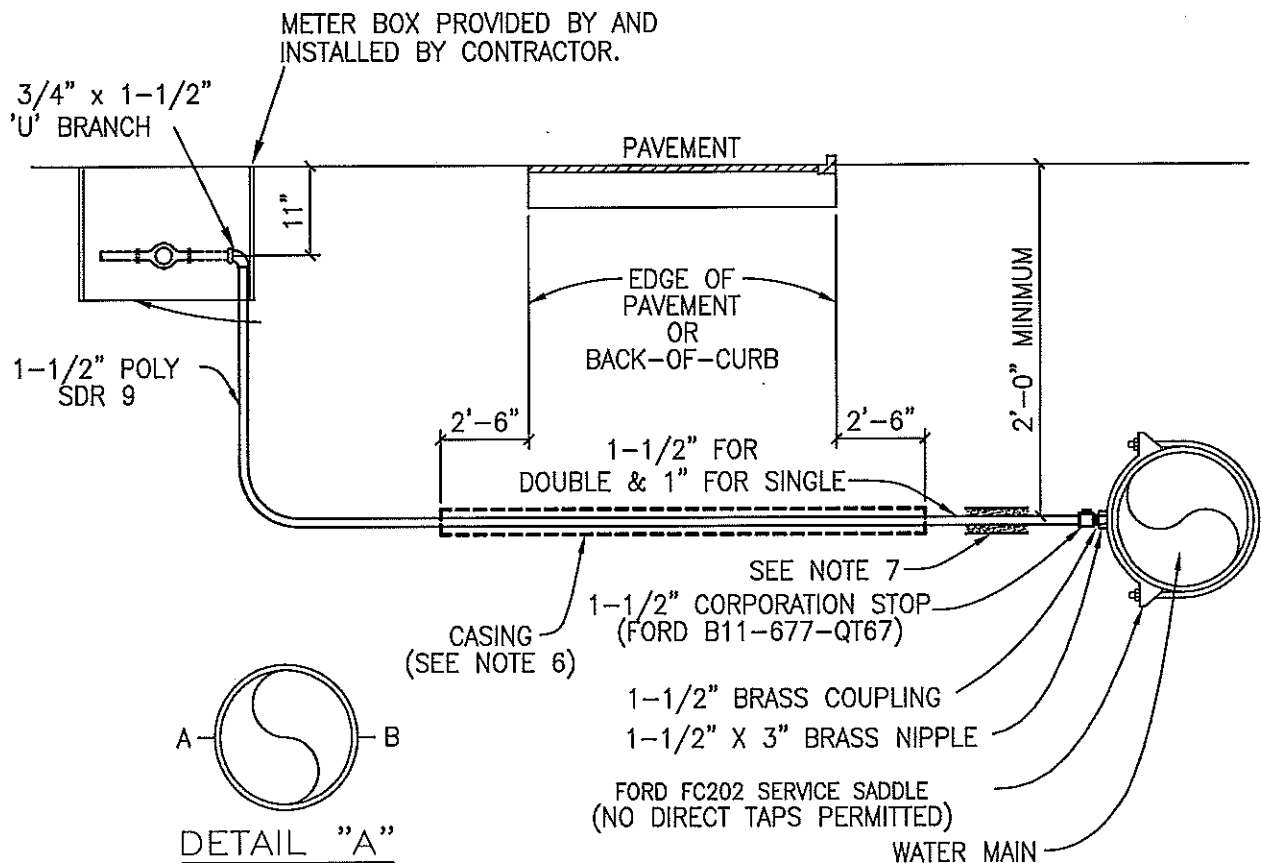
NOTES:

1. SERVICE PIPE SHALL BE COPPER TUBE SIZE. IT MAY BE 150 PSI ANNEALED SEAMLESS TYPE "K" COPPER TUBING.
2. SERVICE SADDLES SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
3. TOP OF BOXES SHALL BE 1" ABOVE FINISHED GRADE.
4. BRANCH CONNECTION AND BOTH ANGLE METER STOPS MUST BE INSTALLED PRIOR TO FIRST METER INSTALLATION EVEN THOUGH, THE SECOND PROPERTY MAY NOT BE READY FOR SERVICE.
5. PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 510.3 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS CALLED TO "PIPE BEDDING ENVELOPE" AND "BACKFILLING", SECTIONS 510.3 (14) AND 510.3 (25), RESPECTIVELY.
6. METER BOX TO BE MODEL DFW-3812 BY DFW ROTECH, INC. OR APPROVED EQUAL. PROVIDE BLACK-PAINTED METAL LID WITH METER READER.
7. AXIS OF METER ASSEMBLY (METER STOP, METER, PIPING AND OWNERS CUTOFF) SHALL BE 10" BELOW TOP OF BOX.
8. SLOTS PROVIDED IN METER BOX TO ACCOMMODATE PIPING INTO AND OUT OF BOX SHALL NOT BE MODIFIED.

MAXIMUM SLOPE 1/4"/FT.
FRONT TO BACK OR BACK TO FRONT.
BOX TO BE LEVEL SIDE TO SIDE.



	APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
	CS	JULY 2009	DOUBLE 5/8" OR 3/4" WATER METERS DETAIL	UT 013



NOTES:

- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" OFFSET AND AT THE CENTERLINE AS SHOWN ON DETAIL "A".
- WHERE NO SIDEWALK EXISTS, METER BOXES SHALL BE SET TO CONFORM TO FINISHED GRADE.
- AUTHORIZED SERVICE LINE MATERIAL: TYPE 'K' COPPER OR POLY SDR 9.
- SERVICE LINES SHALL BE CONTINUOUS FROM CORPORATION STOP TO CORPORATION STOP WITH NO FITTINGS IN BETWEEN.
- SERVICE CASING SHALL NOT BE INSTALLED BY WATER JETTING UNDER ROADWAY.
- CASING REQUIRED FOR ALL PAVEMENT CROSSINGS. 4" SDR-26 REQUIRED FOR OPEN-CUT. STEEL CASING PIPE REQUIRED FOR JACK AND BORE. LIMITS OF CASING SHOULD EXTEND SIX FEET BEYOND THE EDGE OF PAVEMENT OR BACK-OF-CURB WHERE REASONABLE WITH 2.5' MINIMUM.
- THERE SHALL BE A 6" ENVELOPE OF 3/8" ROCK AROUND ALL SERVICE PIPE.
- ANY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER.
- SINGLE METER BOX AND LID - HUGHES SUPPLY PART NO. D12-BAMR, OR APPROVED EQUAL.
DOUBLE METER BOX - HUGHES SUPPLY PART NO. D1500-DUB/O, LID - D15-BAMRL, OR APP. EQUAL.



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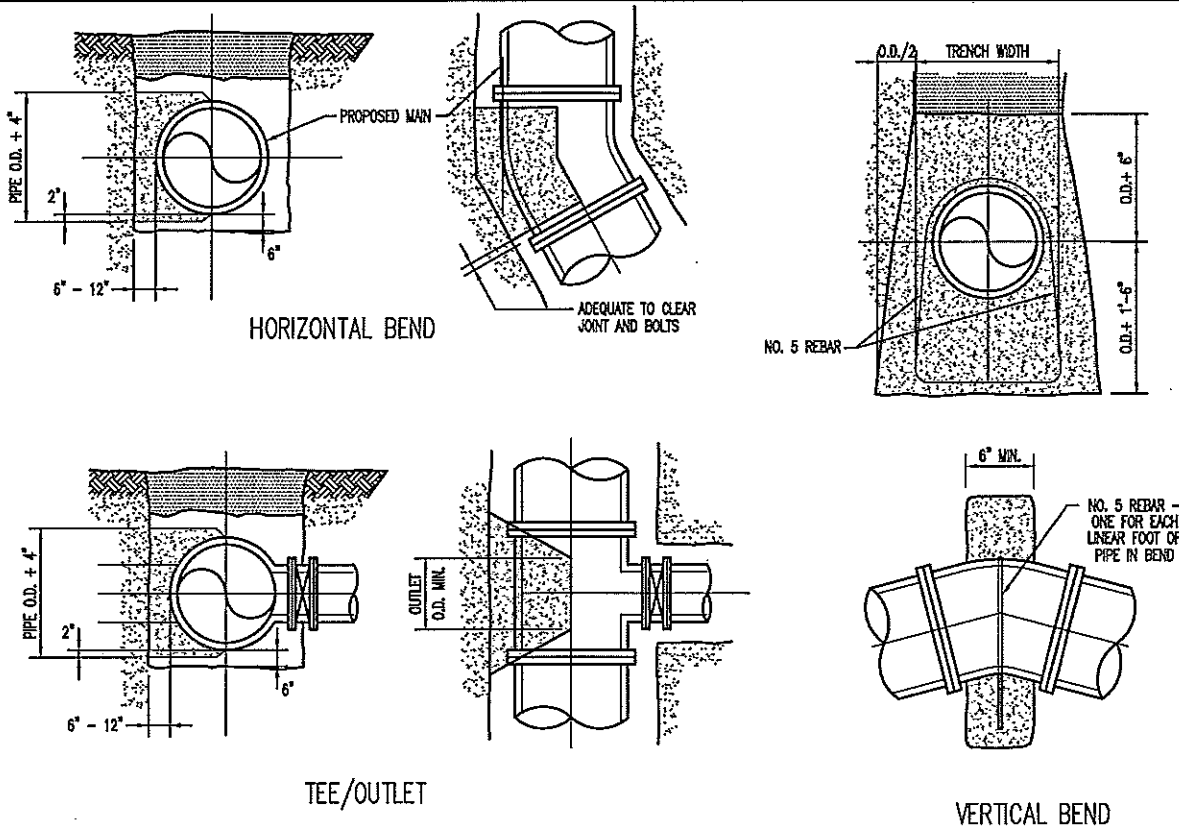
DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

UT 014

TYPICAL WATER SERVICE - ELEVATION



THRUST BLOCK DESIGN AS FOLLOWS:

A. PRESSURE OF 150 P.S.I. (ACTUAL IF HIGHER)
+ 50% SURGE ALLOWANCE

B. MAXIMUM SOIL BEARING:

SOIL TYPE	PRESSURE
LIMESTONE	4000 LBS./SQ. FT.
UNDISTURBED SOIL, CAUCHE	2000 LBS./SQ. FT.
LOOSE OR SPONGY SOIL	1500 LBS./SQ. FT.

CONCRETE THRUST BLOCKING SCHEDULE **

		AREA REQUIRED (SQUARE FEET) BEARING AGAINST TRENCH WALL FOR PRESSURE PIPE						
PIPE SIZE (INCHES)	THRUST (POUNDS)	TEES AND PLUGS	BENDS					
			90°	45°	22-1/2°	11-1/4°	5°	1°
4	2.513	1.00	1.00	0.50	0.50	N/A	N/A	N/A
6	5.655	1.41	2.00	1.08	1.00	0.50	N/A	N/A
8	10.053	2.51	3.55	1.92	1.00	0.50	0.50	N/A
12	22.619	5.65	8.00	4.33	2.21	1.11	0.50	N/A
16	40.212	10.05	14.22	7.69	3.92	1.97	1.00	N/A
24	90.478	22.62	31.99	17.31	8.83	4.43	1.97	0.50
30	141.372	35.34	49.98	27.05	13.79	6.93	3.08	1.00
36	203.575	50.89	71.97	38.95	19.86	9.98	4.44	1.00
42	277.088	69.27	97.97	53.02	27.03	13.58	6.04	1.21
48	361.911	90.48	127.95	69.29	35.30	17.74	7.89	1.58
54	458.044	114.51	161.94	87.64	44.68	22.45	9.99	2.00

** BASED ON A 4,000 P.S.F. SOIL BEARING CAPACITY AND A 200 P.S.I. MAX. LINE PRESSURE INCREASE AND DECREASE BEARING AREA IN ACCORDANCE WITH THE BEARING STRENGTH OF SOIL AS DESCRIBED IN SCHEDULE.



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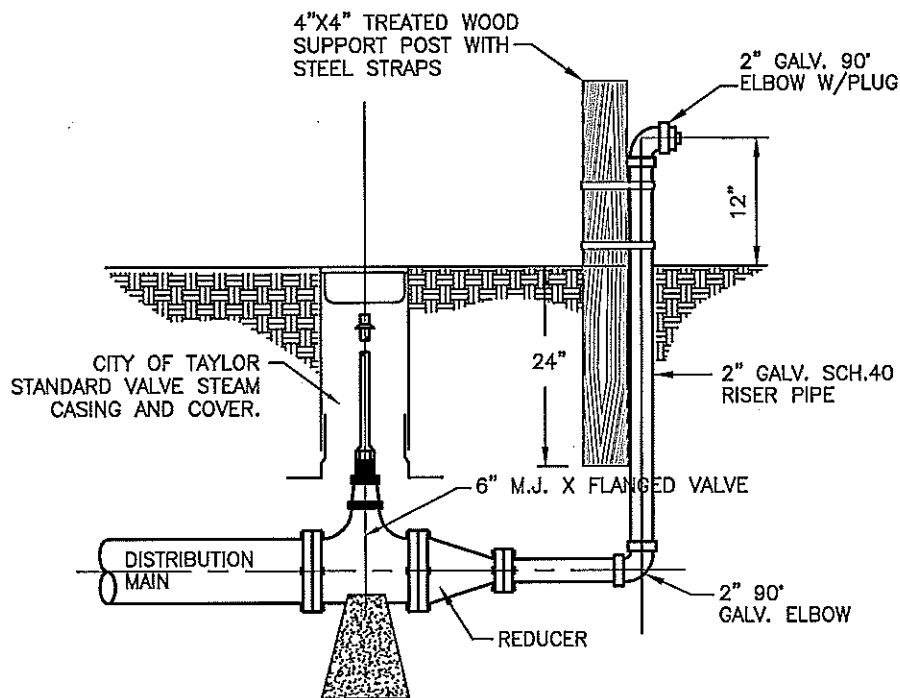
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

CONCRETE THRUST BLOCKING

STANDARD

UT 015



FLUSHING VALVE DETAIL

(FOR PERMANENT DEAD END LINES,
USE 2" BALL VALVE - FORD OR EQUAL)



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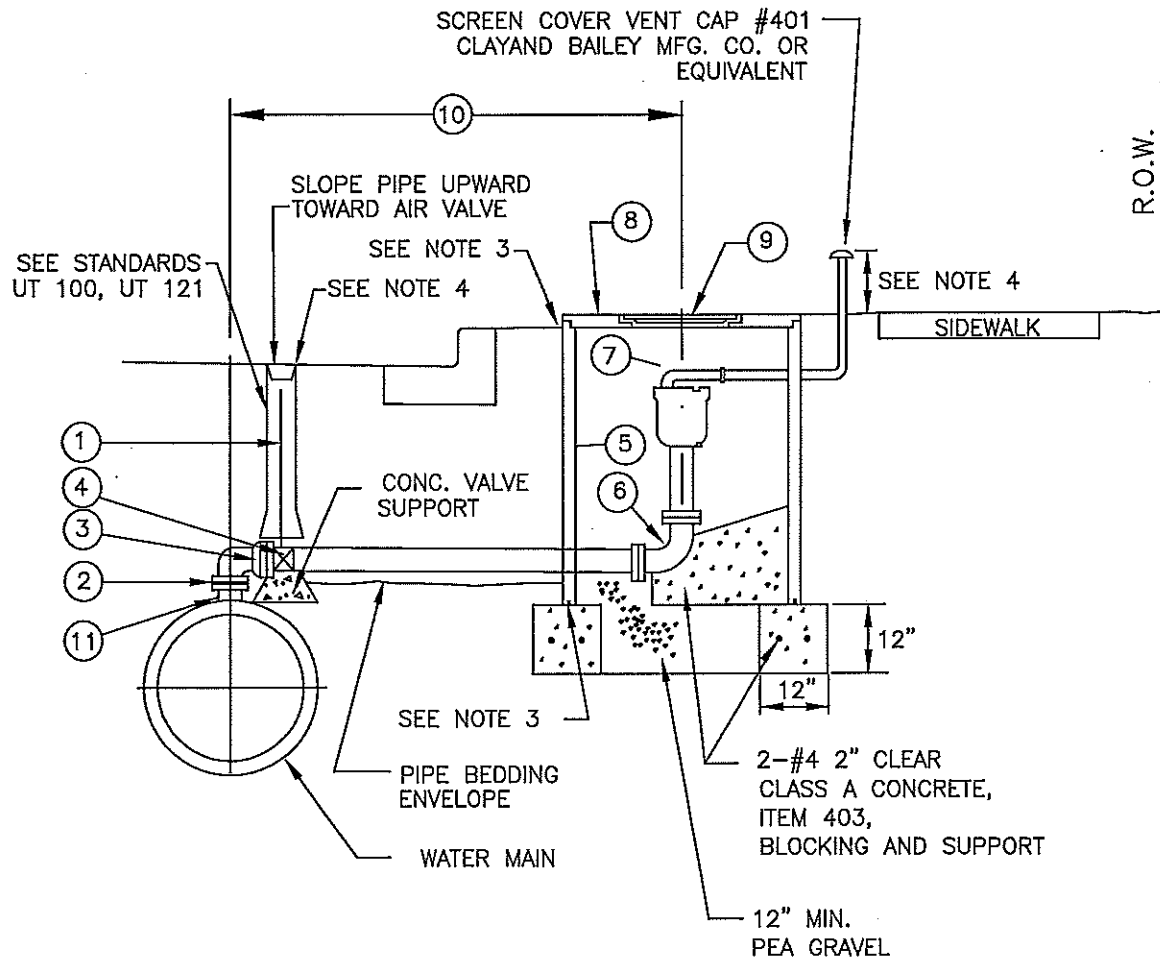
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

FLUSHING VALVE DETAIL

STANDARD

UT 016



- | | |
|--|--|
| ① STEM EXTENSION | ⑦ COMBINATION AIR RELEASE VALVE WITH GOOSNECK |
| ② INSULATED FLANGE CONNECTION | ⑧ REINFORCED PRECAST CONCRETE LID (AASHTO H-20 LOADING) |
| ③ 90° BEND (FLG X FLG) | ⑨ RING AND 32" COVER |
| ④ GATE VALVE FLG X MJ | ⑩ PER PLAN DIMENSION OR AS DETERMINED BY ENGINEER OR DESIGNATED REPRESENTATIVE |
| ⑤ CLASS III R.C.P. MANHOLE 60" MIN. I.D. | ⑪ FLANGED OUTLET PER ANSI B16.1 |
| ⑥ 90° BEND (FLG. X FLG.) | |



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CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

UT 017

3" OR LARGER VENTED
AIR / VACUUM VALVE INSTALLATION

1 of 2

NOTES:

1. ON 10" AND LARGER TWO PIECE COMBINATION AIR VALVES, THE OUTLET PIPING OF THE SMALL VALVE SHALL BE VENTED WITHIN THE MANHOLE INTO THE SIDE OF THE LARGER VENT PIPE THAT GOES ABOVE GROUND.
2. AIR VENT PIPE 6" AND LARGER SHALL BE D.I. (CLASS 350 MIN.) PIPE FLANGE FITTINGS ORDERED SPECIAL WITH SHOP APPLIED KOPPER INERTOL RUST INHIBITIVE PRIMER 621, OR EQUAL, IN LIEU OF COAL TAR. EXTERIOR SURFACES OF ALL EXPOSED PIPE SHALL BE PAINTED WITH RUST-OLEUM ACRYLIC 5225 (SAFETY BLUE), OR EQUAL, PER COATING MANUFACTURER'S INSTRUCTIONS PRIOR TO INSTALLATION.
3. SEALANT SHALL BE 1½" FLEXIBLE BUTYL RESIN SEALANT CS-102 AS MANUFACTURED BY CONCRETE SEALANTS, INC. OR EQUAL.
4. INSTALLATION OF VALVE CASING RING SHALL BE PER CITY OF TAYLOR STANDARD NO. UT 100 AND OR UT 121.
5. AIR VENT PIPE INSTALLATION SHALL BE AS NEAR AS PRACTICAL TO THE RIGHT-OF-WAY LINE.
6. CONCRETE MANHOLE PENETRATIONS SHALL BE CORE BIT DRILLED. VOID SHALL BE FILLED BY PRESSING SEAL GASKET COPR. PSX RESILIENT CONNECTOR MEETING ASTM C923 OR APPROVED EQUAL.
7. CROSS SECTIONAL AREA OF OPENING TO BE EQUAL TO OR GREATER THAN CROSS SECTIONAL AREA OF AIR VENT PIPE.
8. AIR/VACUUM VALVE SHALL BE INSTALLED IN A MANNER WHICH WILL ALLOW REMOVAL OF ASSEMBLY WITHOUT REMOVAL OF PRECAST CONCRETE LID.

AIR VALVE	GATE VALVE	VENT PIPE (MIN.)	M.H. DIA. (MIN.)
3"	3"	3"	5'
4"	4"	4"	6'
6"	6"	6"	6'
8"	8"	8"	6'
10"	10"	10"	7'
12"	12"	12"	7'



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JULY 2009

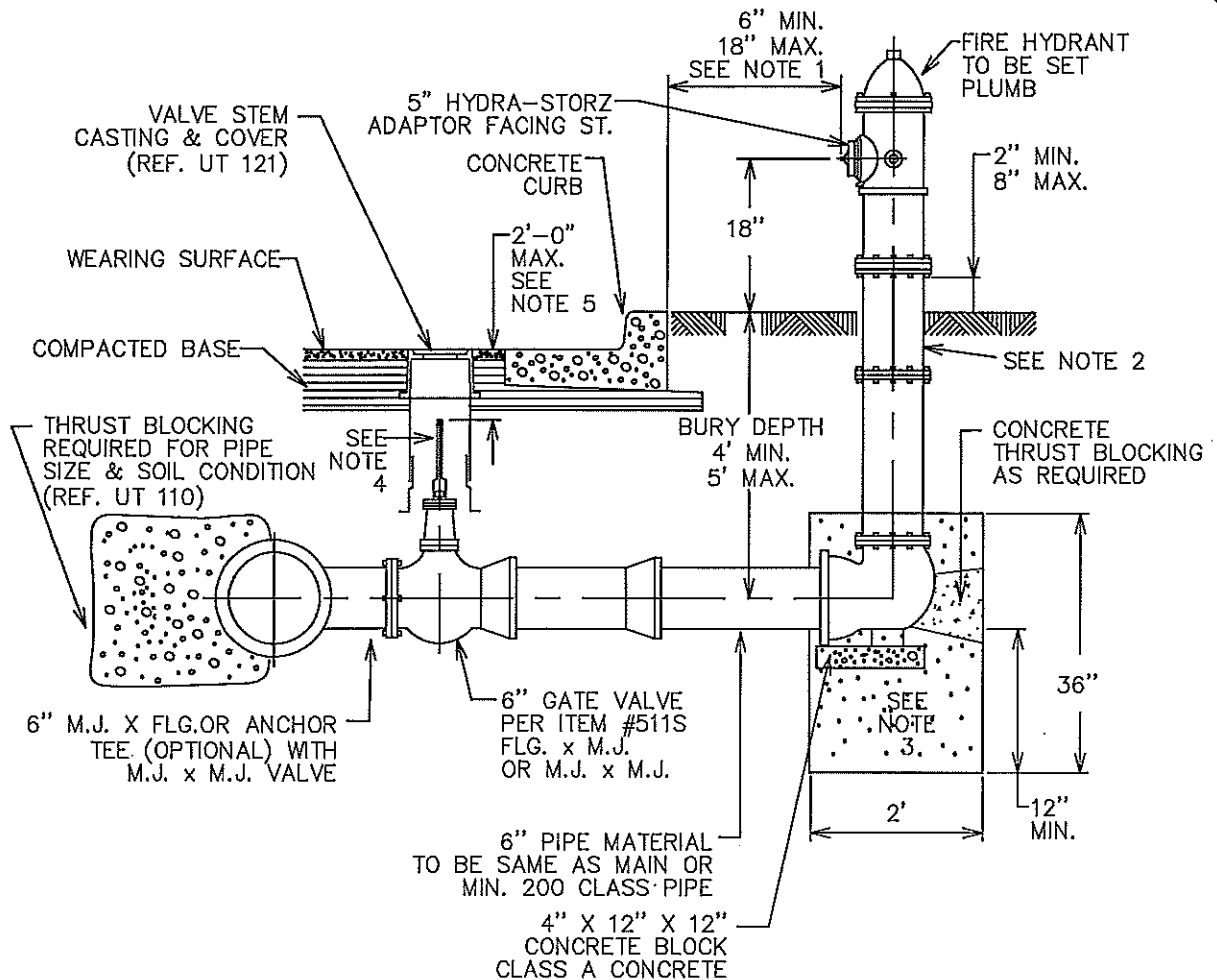
CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

3" OR LARGER VENTED
AIR / VACUUM VALVE INSTALLATION

STANDARD

UT 017

2 of 2



NOTES:

1. DIMENSIONS ARE APPLICABLE IN SPACE BETWEEN CURB AND SIDEWALK. WHERE WALK ABUTS CURB, AND IN PUBLIC OR COMMERCIAL AREAS, DIMENSION FROM BACK OF CURB SHALL BE 3' TO 6'. HYDRANTS ARE NOT TO BE PLACED IN SIDEWALK OR RAMP AREAS. SEE CITY OF TAYLOR STANDARD SPECIFICATIONS FOR LOCATION OF HYDRANT.
2. FOR BURY DEPTHS GREATER THAN 5', ONE BARREL EXTENSION NOT EXCEEDING 2' LENGTH SHALL BE INSTALLED DIRECTLY BELOW THE FIRE HYDRANT.
3. CRUSHED STONE OR GRAVEL SHALL BE PLACED AROUND THE BOTTOM OF THE HYDRANT FOR A RADIUS OF AT LEAST 12" AND EXTEND AT LEAST 12" ABOVE THE OUTLET. DO NOT BLOCK DRAIN HOLES.
4. WELD SOCKET 2½" X 2" DEEP TO 1" SCH. 40 ROUND STEM EXTENSION, FITTED ON OPERATING NUT, SCH. 80 FOR LENGTHS OVER 10'.
5. VALVE EXTENSIONS ARE REQUIRED ON ALL VALVES THAT EXCEED 3' DEEP FROM FINISHED GRADE. VALVE EXTENSIONS SHALL BE PLACED SUCH THAT THE EXTENSION NUT IS BETWEEN 18" & 24" FROM FINISHED GRADE.
6. HYDRANTS ARE TO BE PAINTED BY MANUFACTURER WITH "KEM-LUSTER" VERMILLION RED.
7. HYDRANTS ARE TO BE MUELLER "CENTURION" OR EQUIVALENT, CAPS AND CHAINS ARE NOT TO BE SUPPLIED WITH HYDRANTS.



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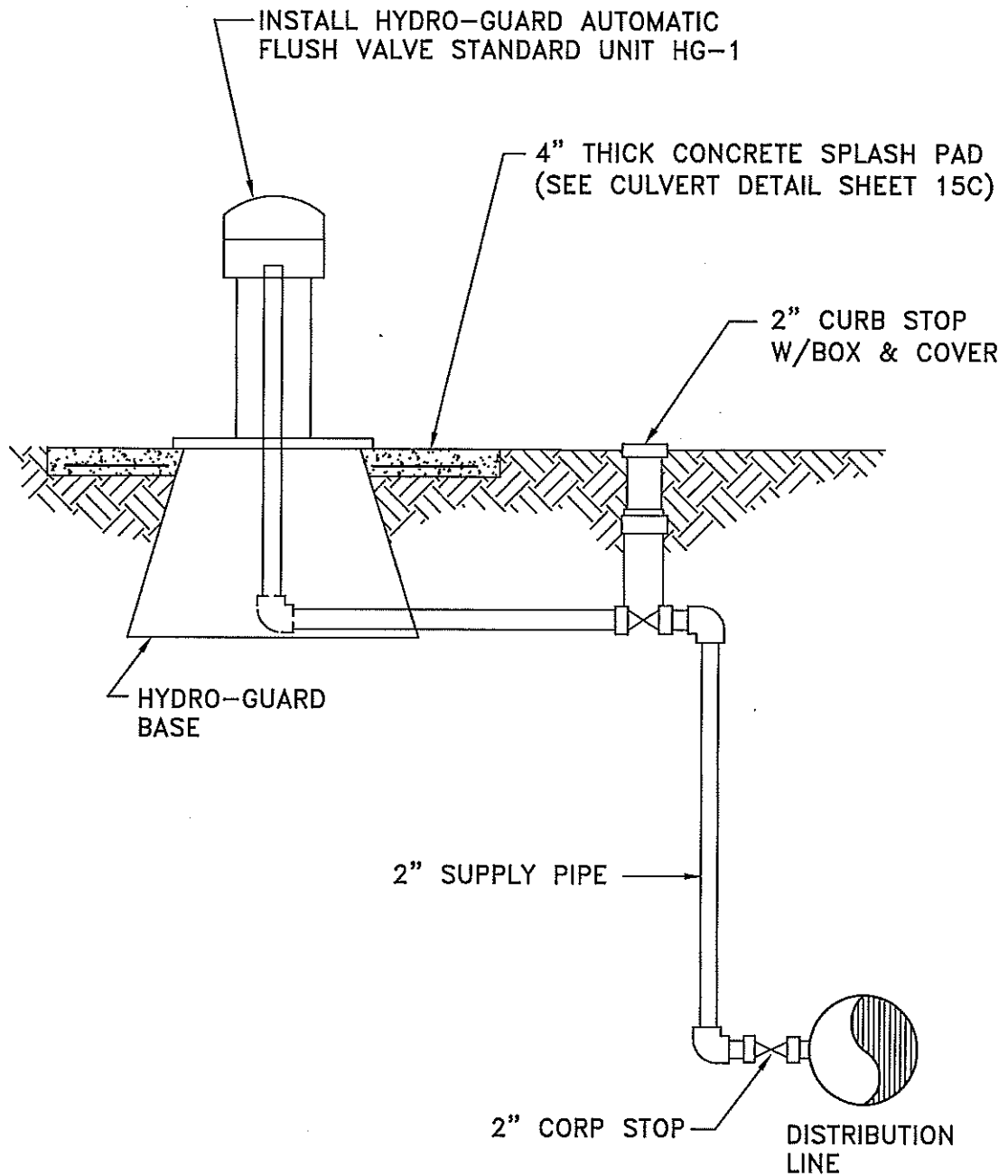
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD FIRE HYDRANT

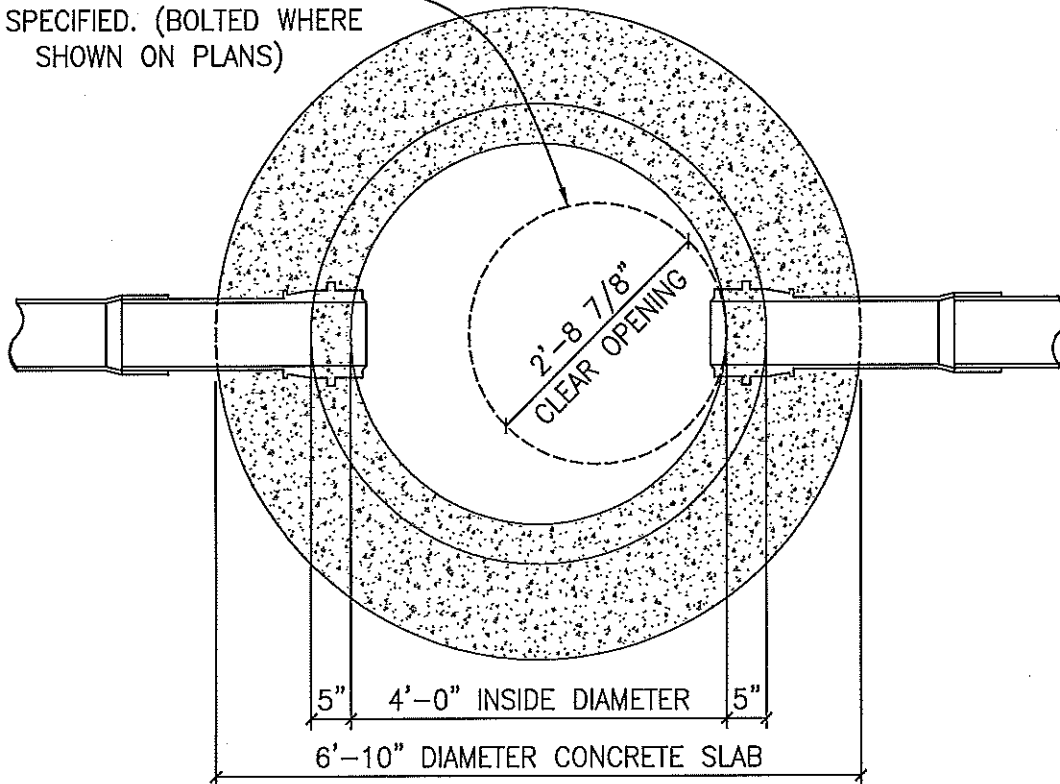
STANDARD

UT 018



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	CS	JULY 2009		
			AUTOMATIC FLUSHING VALVE	

STANDARD CASTING AND COVER,
AS SPECIFIED. (BOLTED WHERE
SHOWN ON PLANS)



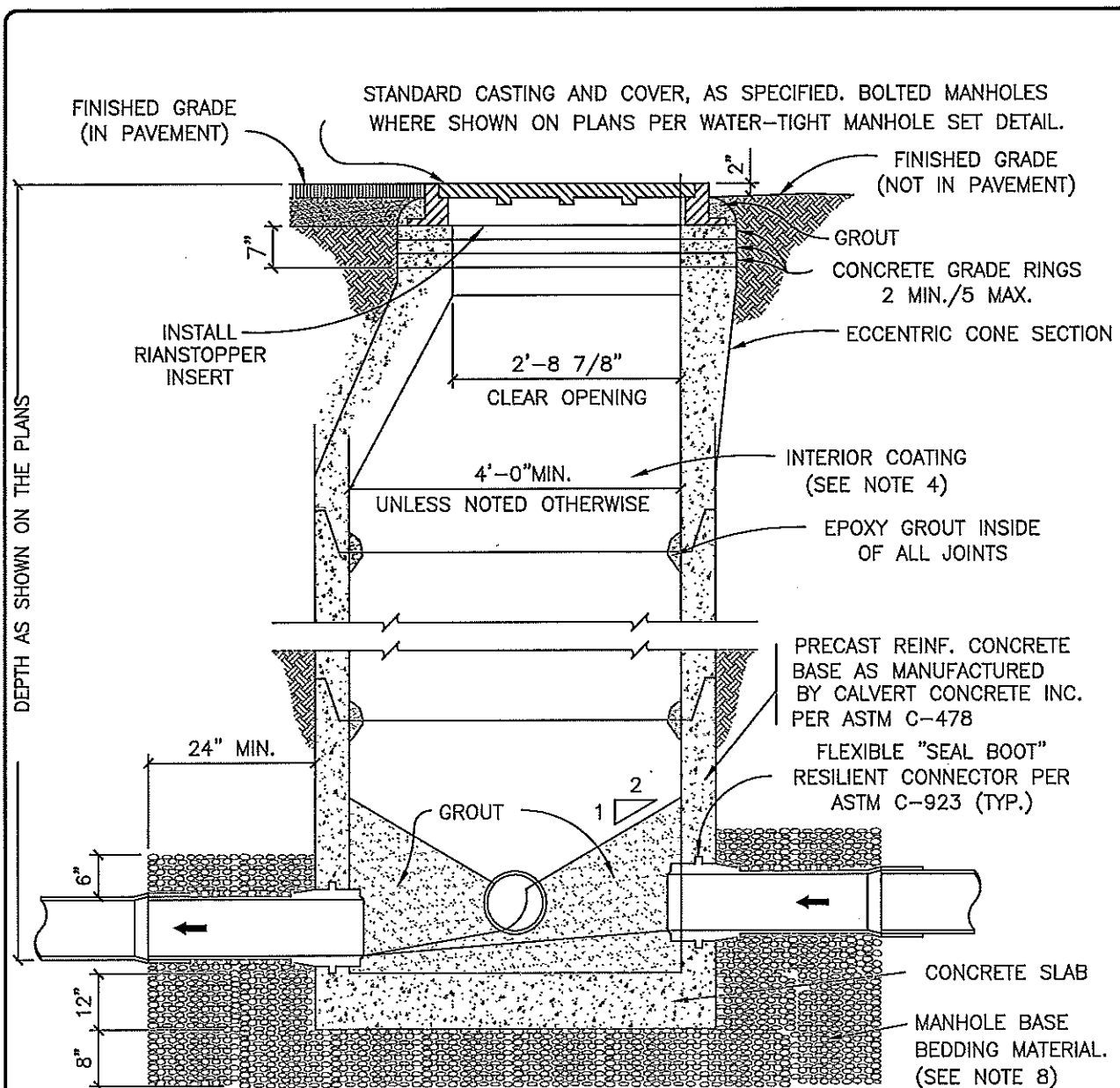
MANHOLE PLAN

CITY OF TAYLOR NOTES:

MANHOLE DETAILS SHALL REFLECT THE CITY'S MINIMUM SPECIFICATIONS, AS STATED BELOW:

- A. ALL MANHOLES SHALL BE 48" I.D., R.C.P., CLASS III, WITH RUBBER O-RING GASKET JOINTS CONFORMING TO ASTM C478, C433 AND C76.
- B. ALL MANHOLES SHALL HAVE WATER-TIGHT FRAME AND COVER, WITH A MINIMUM 36" CLEAR OPENING, AS MANUFACTURED BY EAST JORDAN IRON WORKS (AS PER DETAIL # WW-07) OR APPROVED EQUAL.
- C. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON FRAME AND COVER.
- D. ALL MANHOLES SHALL HAVE AN ECCENTRIC CONE.
- E. MANHOLES MAY HAVE A FLAT LID, IF APPROVED BY CITY OF TAYLOR, BEING 12" THICK WITH A MINIMUM 30" OPENING, AS MANUFACTURED BY CALVERT CONCRETE OR APPROVED EQUAL M.F.G. CONFORMING TO ASTM C478, 5000 P.S.I. CONCRETE, TRAFFIC BEARING, AND O-RING JOINT CONFORMING TO ASTM C443.
- F. INVERTS AND FLEXIBLE SEAL BOOTS, PER ASTM C-923, SHALL BE CAST INTO BASE SECTION.
- G. MINIMUM DROP BETWEEN INVERTS SHALL BE ONE-TENTH OF A FOOT (0.1').
- H. TWO (2") INCH GRADE RINGS WITH AN I.D. TO MATCH FRAMES CLEAR OPENING, MINIMUM OF TWO (2), MAXIMUM OF FIVE (5) GRADE RINGS REQUIRED.

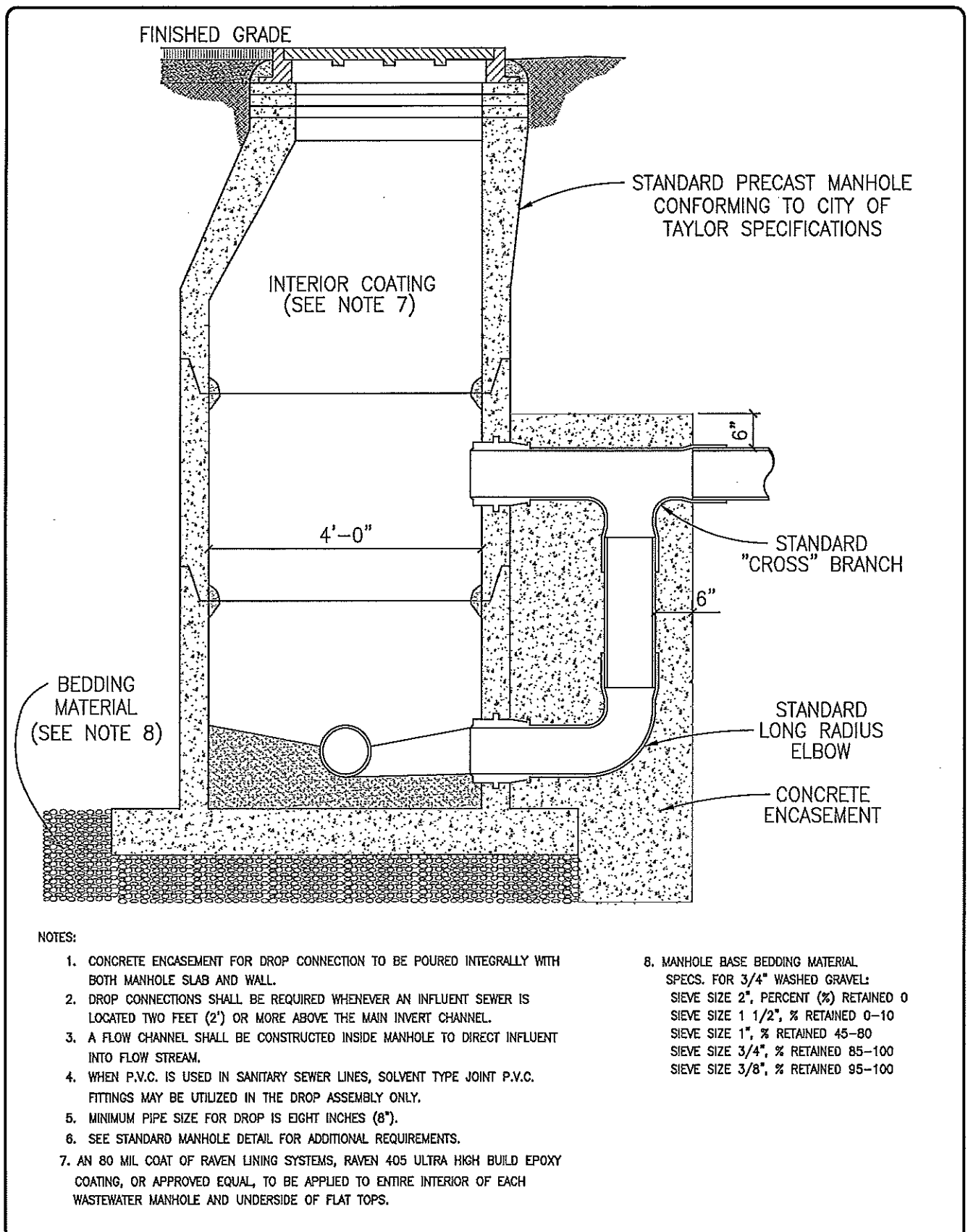
	APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD UT 200
	CS	JULY 2009		



NOTES:

1. MANHOLES SHALL BE PRECAST ASTM C-478 BELL AND SPIGOT WITH "O" RING JOINTS.
2. SEE PLANS AND MANHOLE SCHEDULE, FOR MANHOLE SIZE, LOCATION, CONFIGURATION, TYPE OF TOP SECTION, VENTING REQUIREMENTS, PIPE SIZE AND TYPES.
3. SEE SPECIFICATIONS ON MATERIALS AND CONSTRUCTION.
4. AN 80 MIL COAT OF RAVEN LINING SYSTEMS, RAVEN 405 ULTRA HIGH BUILD EPOXY COATING, OR APPROVED EQUAL, TO BE APPLIED TO ENTIRE INTERIOR OF EACH WASTEWATER MANHOLE AND UNDERSIDE OF FLAT TOPS.
5. ALL MANHOLE COVERS SHALL BE BOLTED AND GASKETTED WHEN MANHOLES ARE LOCATED OUT FROM PAVEMENT.
6. MANHOLES TO BE VENTED ARE IDENTIFIED ON MANHOLE SCHEDULE. REFERENCE MANHOLE VENT DETAIL.
7. MANHOLES ARE TO BE DESIGNED TO RESIST LATERAL AND VERTICAL SOIL FORCES RESULTING FROM MANHOLE DEPTH. ADDITIONALLY, MANHOLES LOCATED IN PAVEMENT TO BE DESIGNED FOR HS-20 TRAFFIC LOADS.
8. MANHOLE BASE BEDDING MATERIAL SPECS. FOR 3/4" WASHED GRAVEL:
 SIEVE SIZE 2", PERCENT (%) RETAINED 0-10
 SIEVE SIZE 1 1/2", % RETAINED 45-80
 SIEVE SIZE 1", % RETAINED 85-100
 SIEVE SIZE 3/4", % RETAINED 95-100

	APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD UT 201
	CS	JULY 2009		



	APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD UT 202
	CS	JULY 2009		

12" TO 18" NORMAL
(2" MIN-24" MAX) OF
ADJUSTMENT PRECAST
REINFORCED CONCRETE
GRADE RINGS, CONFORMING
TO ASTM C-478, OR EQUAL,
CASTING AND MANHOLE LIDS.

MANHOLE FRAME AND 24" DIA.
COVER, EQUAL TO McKINEY IRON
WORKS No. A24AM WITH PICK SLOTS.
(MUST WITHSTAND DIRECT TRAFFIC
LOADS)

WHERE MH'S ARE BUILT IN STREET
TO BE PAVED, MH RIM TO BE SET
TO PROPOSED PAVING GRADE.

T/G

3'-0"

2'-8 7/8"

MIN. 1/2" CONCRETE MORTAR
INSIDE AND OUTSIDE OF MH.

8"

MANHOLE LOCATION TO
BE STENCILED ON FACE
OF CURB "M.H."

CONCRETE - SEE STANDARD
MANHOLE DETAIL

SLOPE 1" PER
FOOT TYPICAL

VARIES

CLASS "A" (3000 PSI-28 DAY)
CONCRETE. (WHERE MH IS IN
STREET, USE CLASS "C"
(3600 PSI-28DAY) CONCRETE.

*4 FT DIA FOR SEWER PIPE
UP TO 21" DIA., 5 FT DIA.
FOR SEWER PIPE FROM 24"
DIA. TO 39" DIA.

8"
6"

CRUSHED STONE CUSHION FOUNDATION
AS DEEMED NECESSARY BY THE CITY
ENGINEER.



APPROVED BY:

CS

DATE:

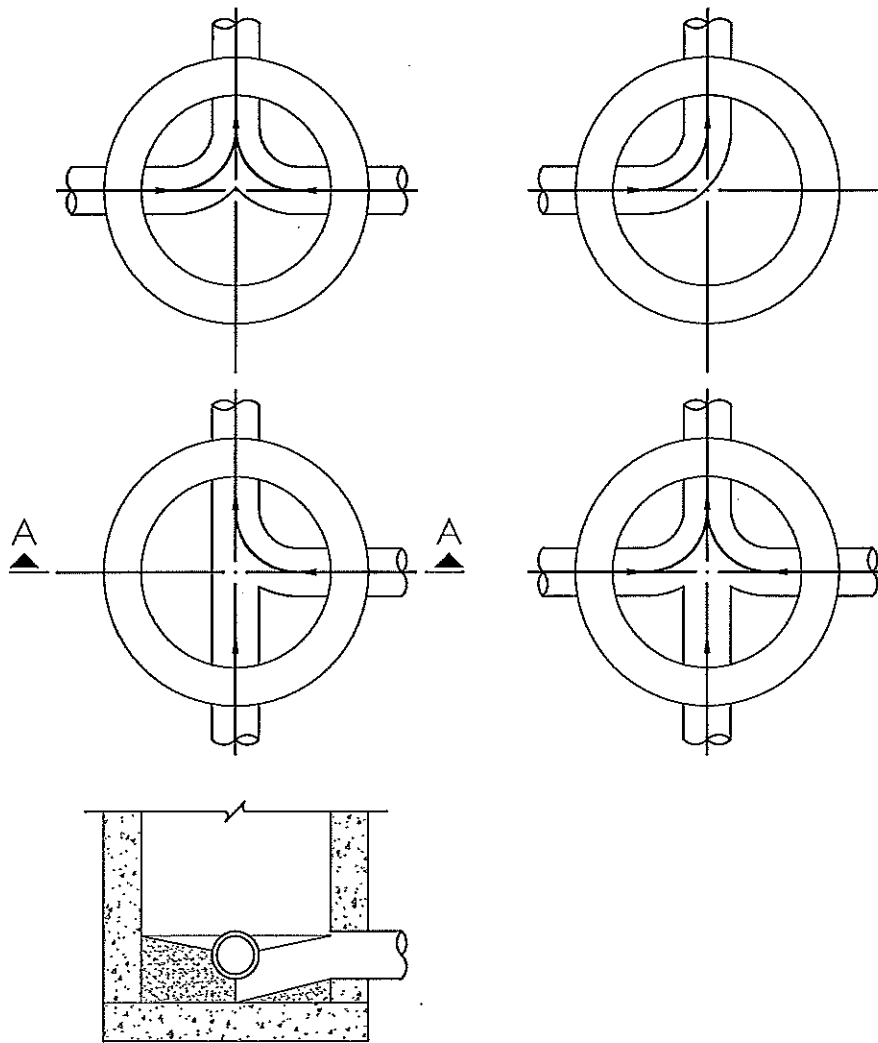
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

UT 203

STANDARD CAST-IN-PLACE MANHOLE



SECTION "A-A"

NOTES:

1. INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
2. SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING FOR SMOOTH FLOW.
3. CHANNELS FOR FUTURE CONSTRUCTIONS (STUBS) SHALL BE CONSTRUCTED, FILLED WITH SAND, AND COVERED WITH 1" OF MORTAR.
4. SLOPE MANHOLE ITSELF WITH A 1:2 SLOPE FROM MANHOLE WALL TO CHANNEL.
5. INVERT SHALL BE A MINIMUM OF 1/2 THE DIAMETER OF THE LARGEST PIPE OR 4" DEEP.



APPROVED BY:

CS

DATE:

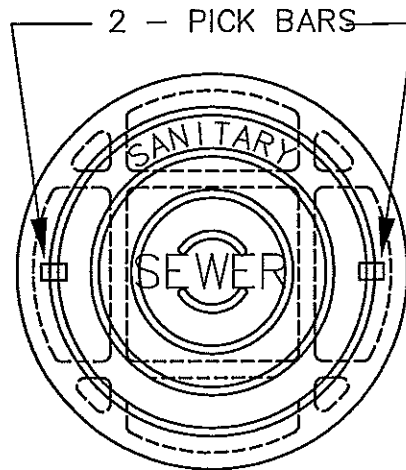
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

FLOW PATTERNS FOR
INVERT CHANNELS

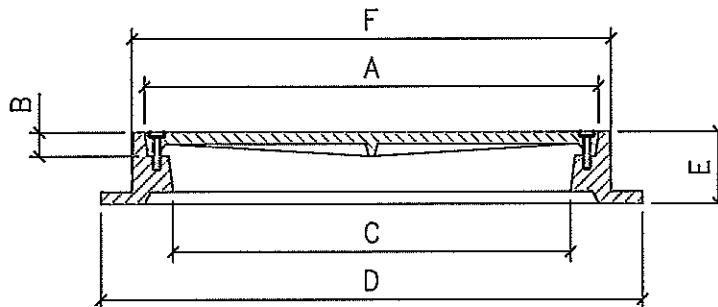
STANDARD

UT 204

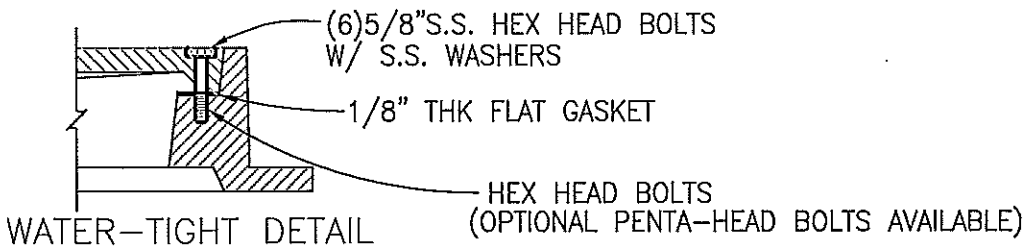


VULCAN #VM-42 OR
APPROVED EQUAL

NOTE:
LID SHALL HAVE TWO (2)
TYPE 4 PICK BAR



PLEASE SPECIFY TOP OR BOTTOM FLANGE WHEN ORDERING.
FOR TOP FLANGE ORDER No. V-1800-5 (East Jordan Iron Works, inc.)
FOR BOTTOM FLANGE ORDER No. V-1600-5 (East Jordan Iron Works, inc.)
THE WATER-TIGHT MANHOLE SETS (V-2600-5) FEATURE SIX STAINLESS STEEL
BOLTS IN COUNTERSUNK POCKETS AND A SEALING FLAT GASKET IN THE RING SET.
BOLTING PADS REDUCE THE STANDARD CLEAR OPENING BY TWO TO THREE INCHES.



	DIMENSIONS						COVER		RING		SET
	A	B	C	D	E	F	CASTING	WEIGHT	CASTING	WEIGHT	WEIGHT
V-1600-5	38	2	36	46	6	40	41600523	365 LBS	41600510	320 LBS	685 LBS
V-1800-5	38	2	36	46	6	40	41600523	365 LBS	41600510	320 LBS	685 LBS
V-2600-5	38	2	36	46	6	40	42600523	365 LBS	41600511	320 LBS	685 LBS



APPROVED BY:

CS

DATE:

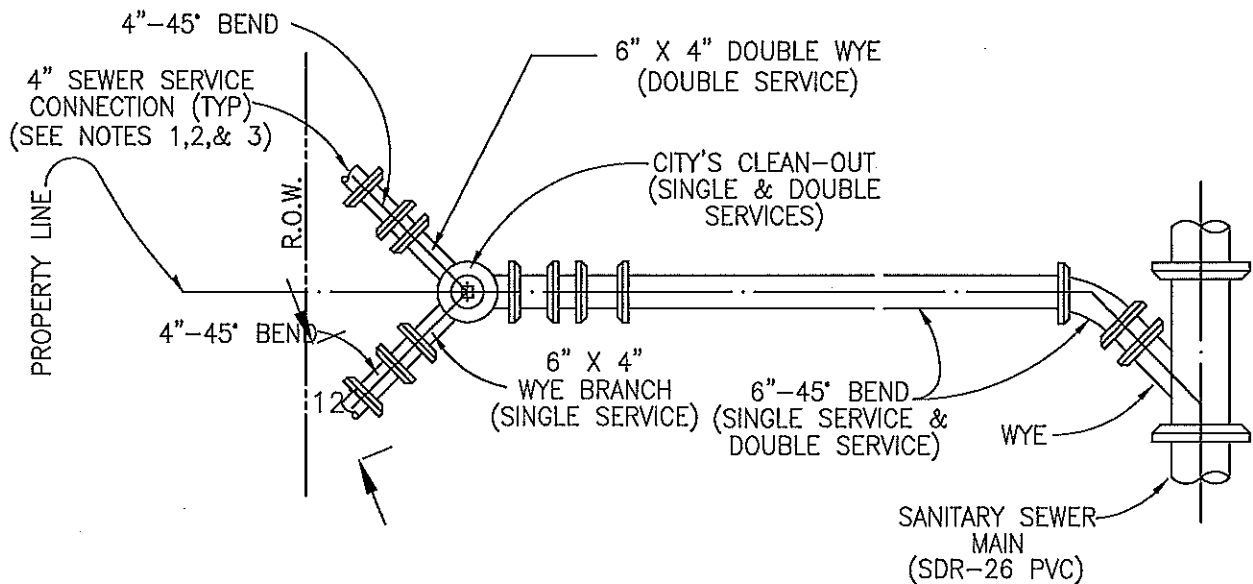
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD WASTEWATER MANHOLE
SET

STANDARD

UT 205



PLAN

NOTES:

1. FOR INSTALLATION WITHIN UTILITY EASEMENTS, SERVICE CONNECTION RISERS MAY BE LOCATED INSIDE THE PROPERTY LINE.
2. THE CLEAN-OUT SHALL BE EXTENDED 12" ABOVE FINISH GRADE.
3. EACH SERVICE CONNECTION SHALL BE PLUGGED WATER-TIGHT WITH AN APPROVED CAP OR PLUG.
4. CONNECT YARD LINE TO SERVICE LINE WITH RIGID, SOLVENT-WELDED PVC TO PVC ADAPTER.
5. SOLIDLY TAMP BACKFILL AT LEAST ONE FOOT (1'-0") ABOVE TOP OF PIPE. SERVICES UNDER PAVED AREAS SHALL BE BACKFILLED TO THE SAME SPECIFICATIONS AS SHOWN ON PAVEMENT REPLACEMENT DETAIL.
6. CONTRACTOR SHALL MARK ON A CLEAN SET OF PLANS THE FINAL STATIONING OR DISTANCE AND DIRECTION FROM MANHOLE TO EACH SERVICE LATERAL AND GIVE TO ENGINEER FOR RECORD DRAWING PURPOSES.
7. ANY DEVIATION FROM THESE METHODS MUST BE APPROVED BY THE CITY ENGINEERING DEPARTMENT.
8. SERVICE LINE MATERIAL SHALL BE P.V.C., SDR-26.
9. SEWER SERVICE SLOPE TO BE 45' OFF CENTERLINE OF MAIN.



APPROVED BY:

CS

DATE:

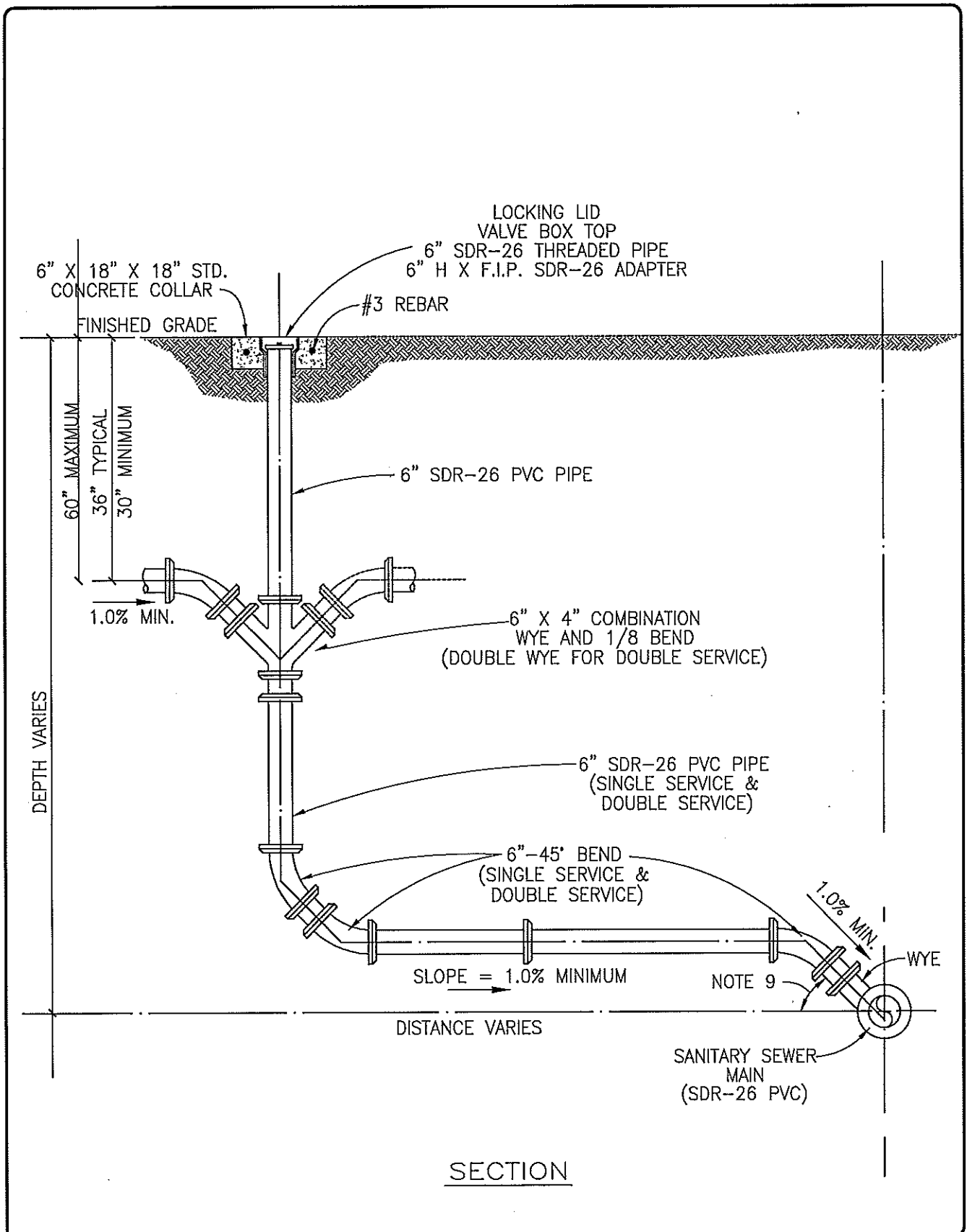
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

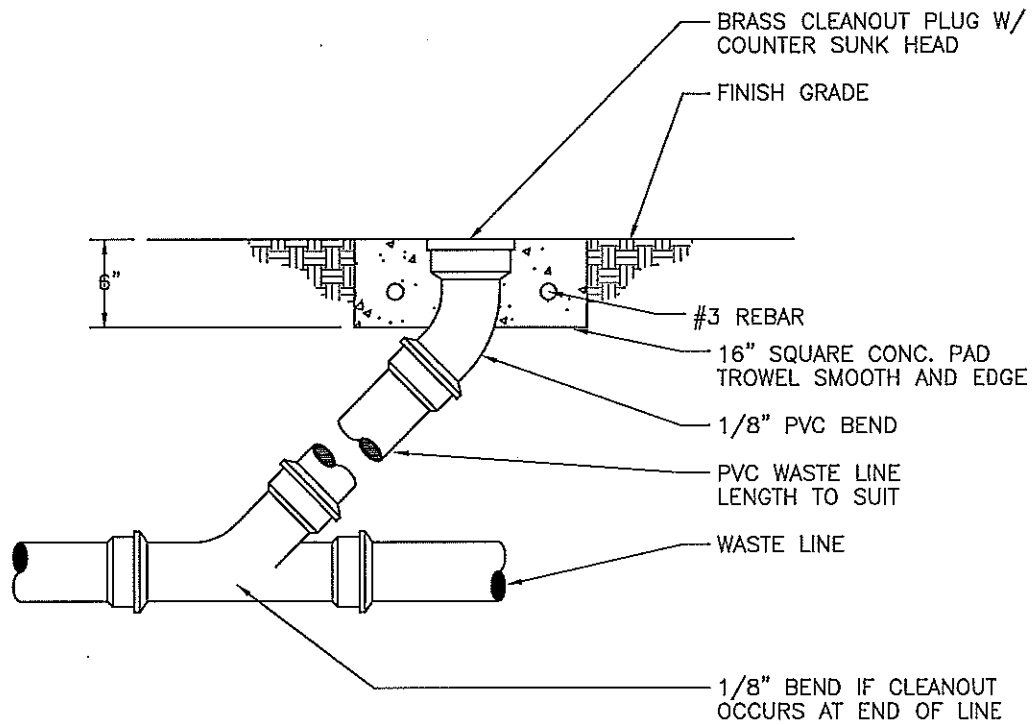
SEWER SERVICE CONNECTION
PLAN VIEW

STANDARD

UT 206



	APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD UT 207
	CS	JULY 2009	SEWER SERVICE CONNECTIONS SECTION VIEW	



APPROVED BY:

CS

DATE:

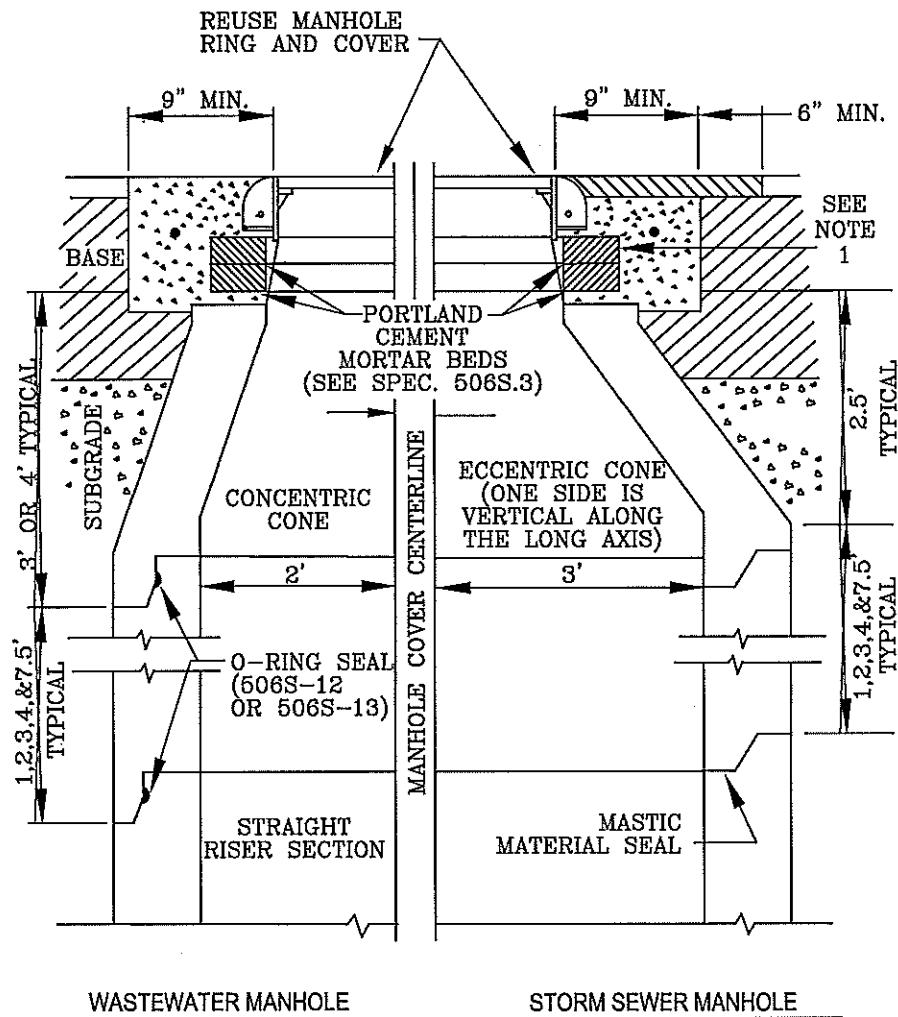
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

SANITARY SEWER CLEANOUT

STANDARD

UT 208



1. SEE "MINOR MANHOLE ADJUSTMENTS" STANDARD 506S-4 FOR CLARITY.
2. MANHOLE SECTIONS TEMPORARILY REMOVED FOR ROADWAY CONSTRUCTION MAY BE REUSED ONLY WITH THE WRITTEN APPROVAL OF THE INSPECTOR. O-RINGS SHALL NOT BE REUSED.
3. ANY COMBINATION OF REMOVING THE CONCRETE RINGS, AND / OR THE MANHOLE CONE, AND/OR THE STRAIGHT RISER SECTION OF THE MANHOLE SHALL BE ACCEPTABLE TO TEMPORARILY LOWER THE MANHOLE GRADE FOR ROADWAY RECONSTRUCTION.
4. WHILE THE MANHOLE IS TEMPORARILY LOWERED, A SHEET OF STEEL SUITABLE TO SUPPORT ALL IMPOSED LOADS SHALL BE USED TO COVER THE OPENING. FOR WASTEWATER MANHOLES, THE STEEL PLATE SHALL BE SET IN MORTAR TO PREVENT LEAKAGE.
5. SUBGRADE AND BASE MATERIALS SHALL BE COMPACTED TO 95% AND 100% DENSITIES, RESPECTIVELY, COMPACTION SHALL BE BY MECHANICAL TAMPING TO THE DENSITIES SPECIFIED.



APPROVED BY:

CS

DATE:

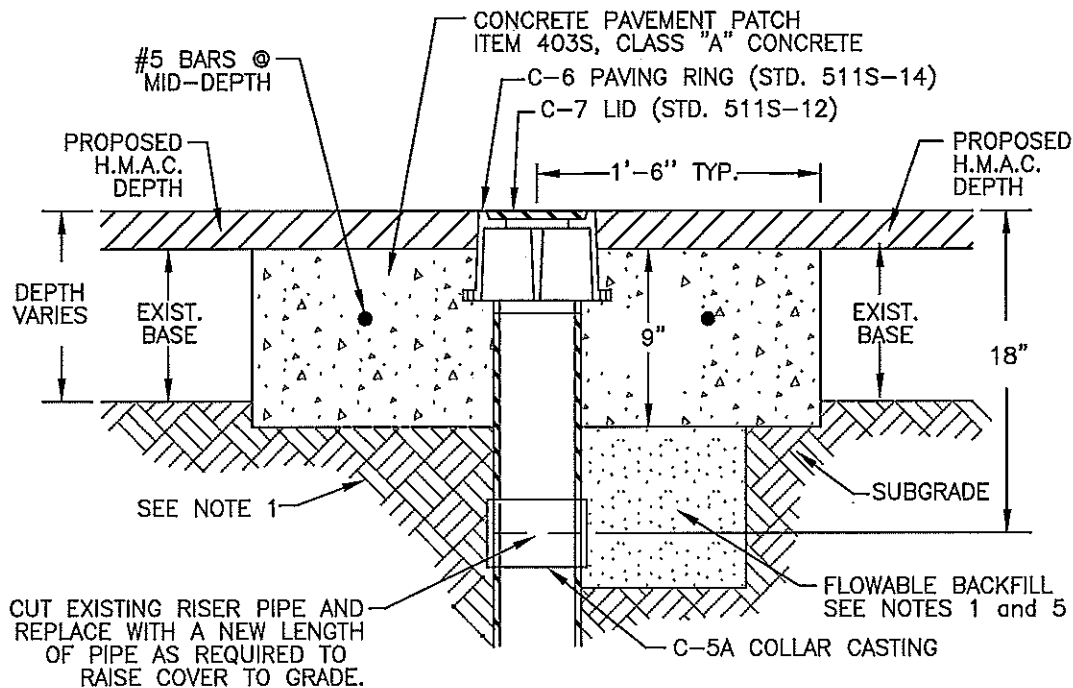
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

UT 209

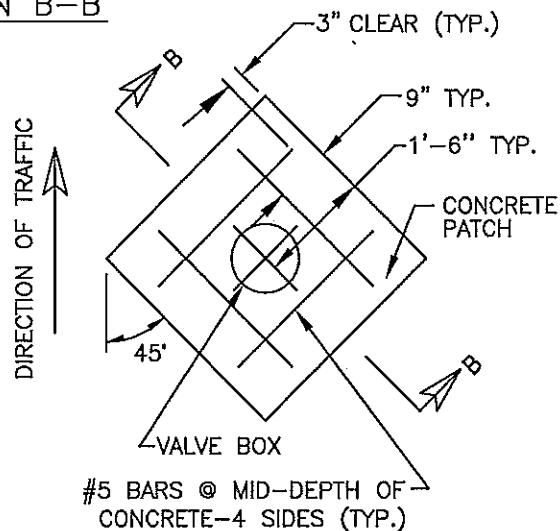
MAJOR MANHOLE ADJUSTMENT



SECTION B-B

NOTES:

1. SUBGRADE SHALL BE COMPACTED AS PER ITEM 201S, SUBGRADE PREPARATION.
2. VALVE CASTINGS SHALL BE ADJUSTED TO GRADE AFTER FINAL LIFT OF OVERLAY IS IN PLACE.
3. CLEAN VALVE BOX OF ALL DEBRIS DOWN TO THE BASE OF THE VALVE.
4. REMOVE EXISTING RISER PIPE DOWN 18" AND REPLACE TO THE NEW ELEVATION NEW PIPE AND A C-5A CASTING.
5. WHERE CAST IRON CASTINGS TO BE REMOVED REQUIRE EXCAVATION GREATER THAN 20" DEEP, CONTRACTOR MAY ELECT TO FILL EXCAVATION WITH CONTROLLED LOW STRENGTH MATERIAL (ITEM 402S) TO THE UNDERSIDE OF THE CONCRETE PAVEMENT PATCH IN LIEU OF COMPACTED BACKFILL.
6. REINFORCING STEEL SHALL MEET ITEM 406S, REINFORCING STEEL.



PLAN VIEW



APPROVED BY:

CS

DATE:

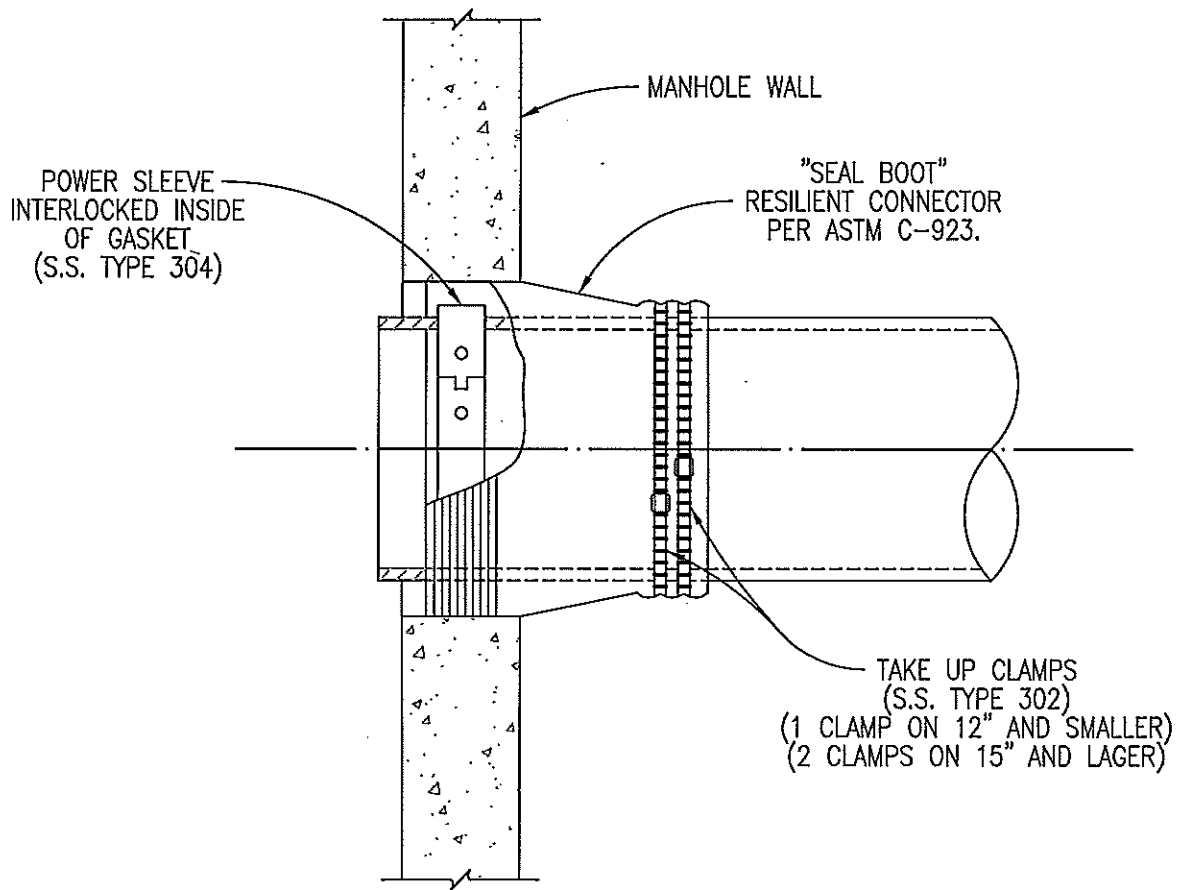
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

VALVE BOX ADJUSTMENT
DETAIL

STANDARD

UT 210



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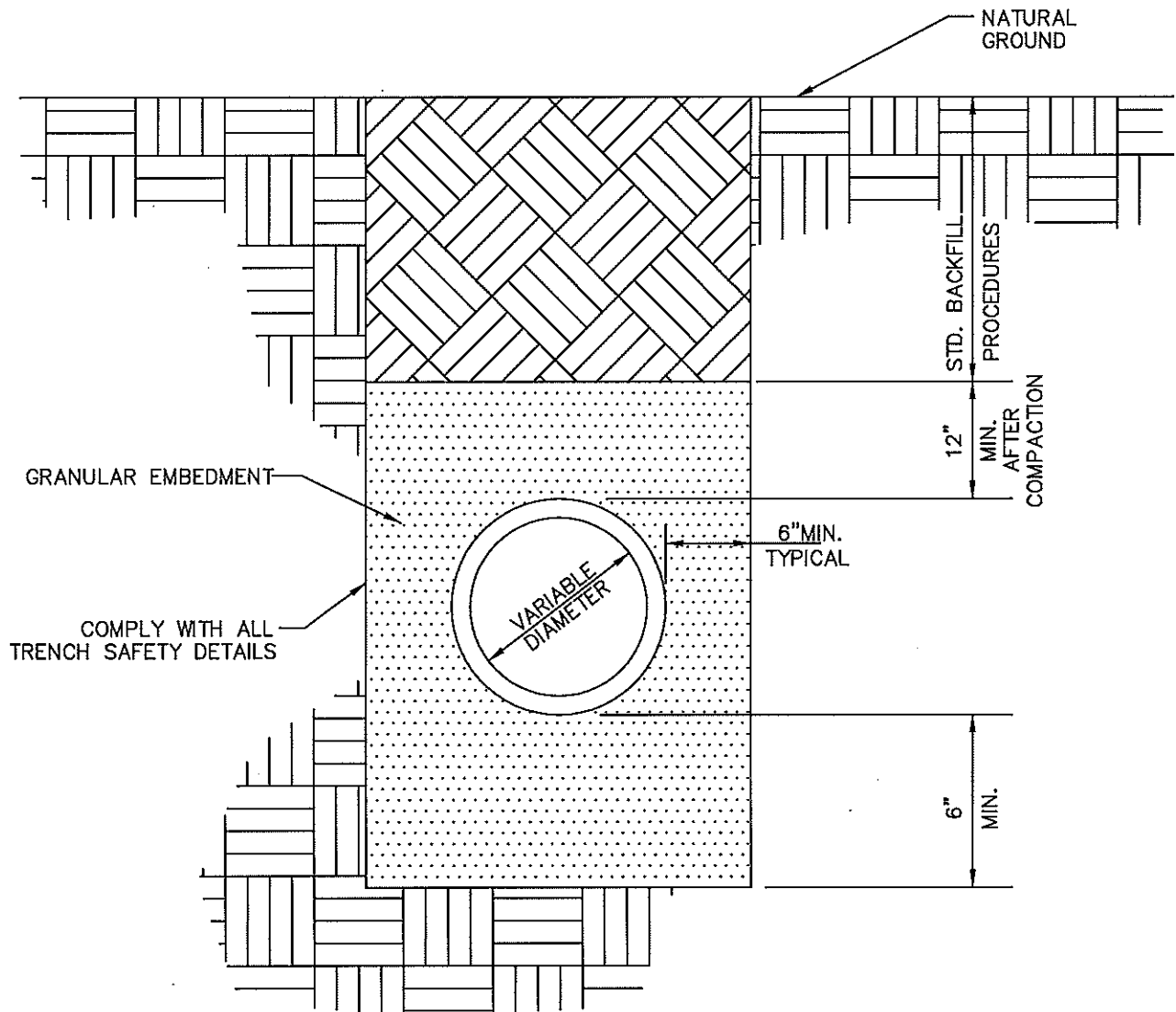
DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

FLEXIBLE "SEAL BOOT" CONNECTOR

STANDARD

UT 211



NOTE:

COST OF GRANULAR EMBEDMENT IS INCLUDED
IN PRICE BID PER LINEAR FOOT OF SEWER
PIPE.



APPROVED BY:
CS

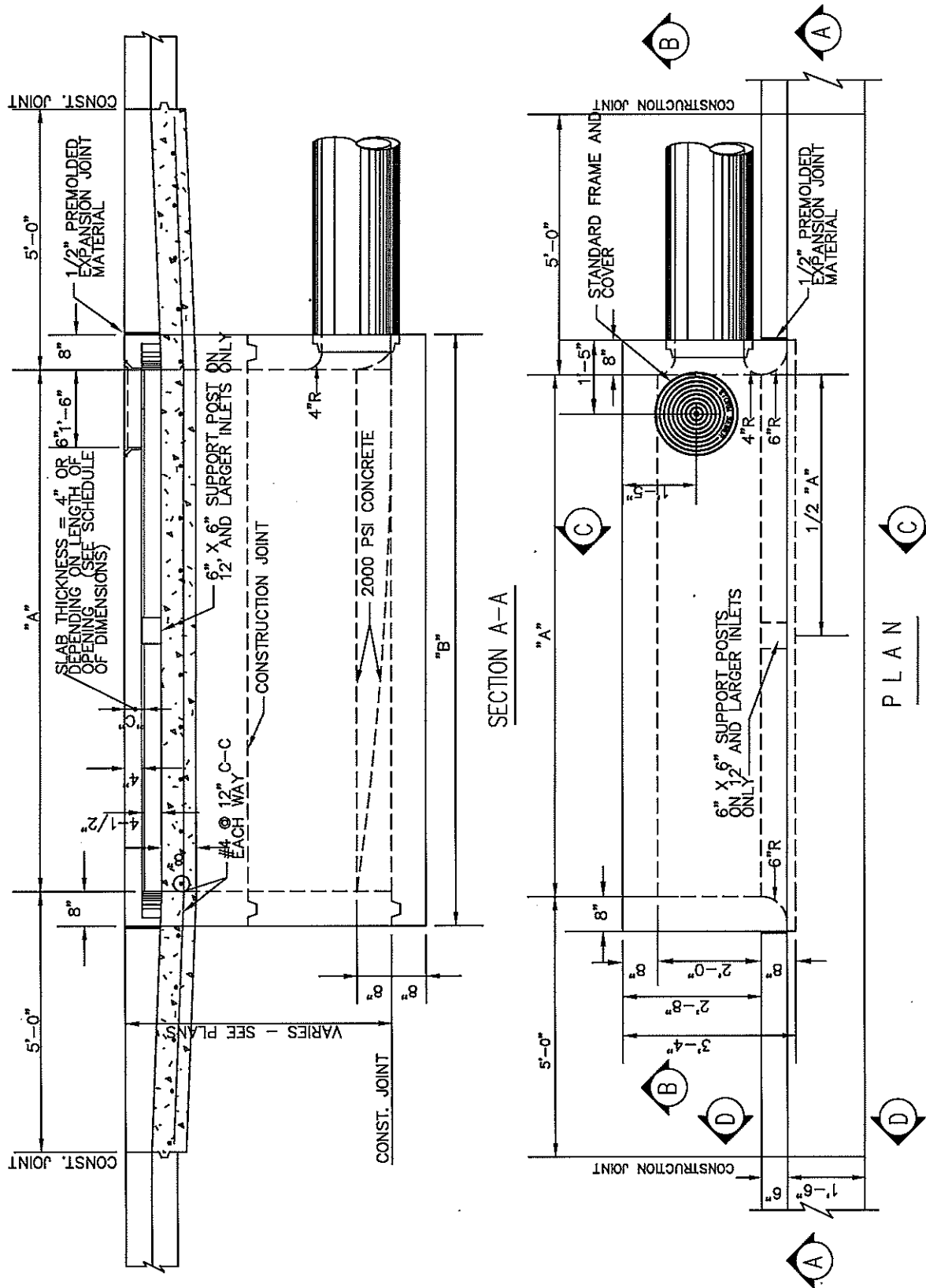
DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STORM DRAIN PIPE EMBEDMENT
DETAIL

STANDARD

UT 300



STANDARD CURB INLET DETAIL

PLAN

NO SCALE



APPROVED BY:
CS

DATE:
JULY 2009

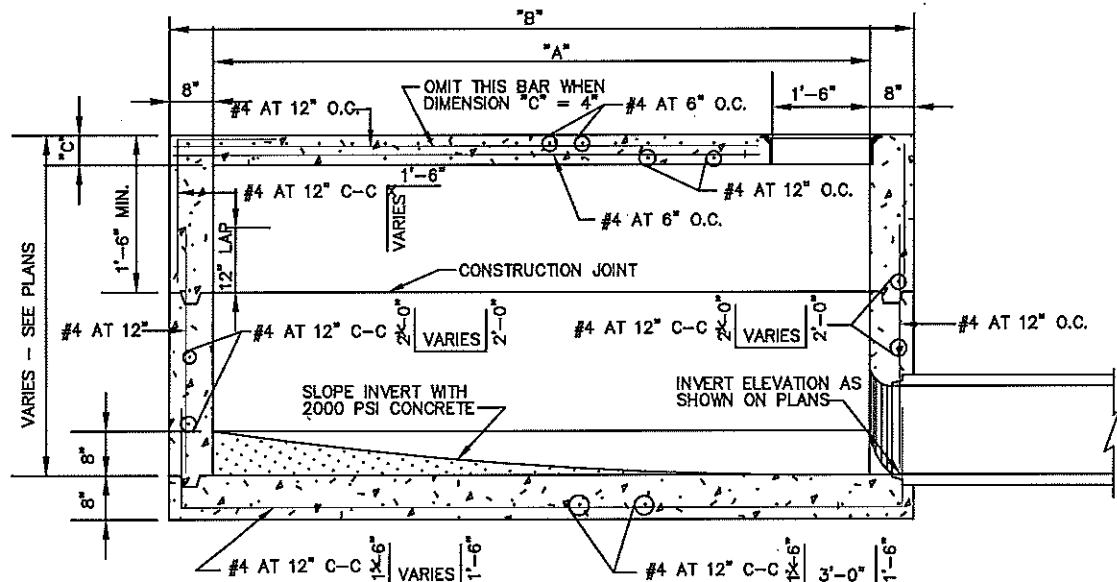
CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD CURB INLET DETAIL

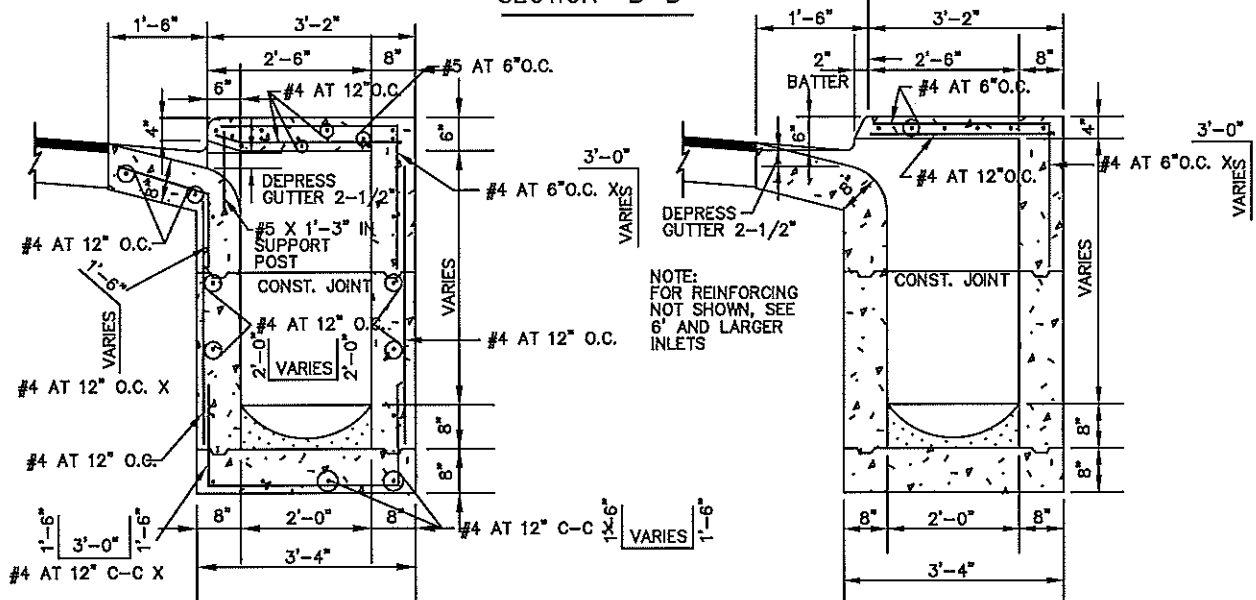
STANDARD

UT 301

1 of 2



SECTION B-B



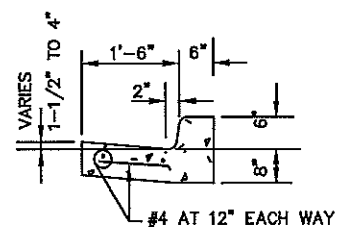
(6' AND LARGER INLETS)

SECTIONS C-C

(3'-5' INLETS)

NO SCALE

SCHEDULE OF DIMENSIONS		
OPENING "A"	OUTSIDE "B"	TOP SLAB "C"
3'-0"	4'-4"	4"
4'-0"	5'-4"	4"
5'-0"	6'-4"	4"
6'-0"	7'-4"	6"
8'-0"	9'-4"	6"
10'-0"	11'-4"	6"
12'-0"	13'-4"	6"
14'-0"	15'-4"	6"
AND LARGER	"A" + 16"	6"



SECTION D-D

NO SCALE



APPROVED BY:

CS

DATE:

JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD CURB INLET DETAIL

STANDARD

UT 301

2 of 2

CONST. JOINT

5'-0"

1/2" PRECAST EXPANSION JOINT MATERIAL

8"

6'-6"

SLAB THICKNESS = 4" OR 6" DEPENDING ON LENGTH OF OPENING (SEE SCHEDULE OF DIMENSIONS)

6" X 6" SUPPORT POST ON 12" AND LARGER INLETS ONLY

#4 @ 12" C-C EACH WAY

SECTION E-E

CONST. JOINT

5'-0"

1'-6"

6"

3'-4"

5'-0"

8"

6" R

6" X 6" SUPPORT POSTS ON 12" AND LARGER INLETS ONLY

1/2" A"

6" R

4" R

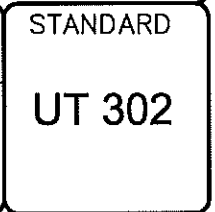
8"

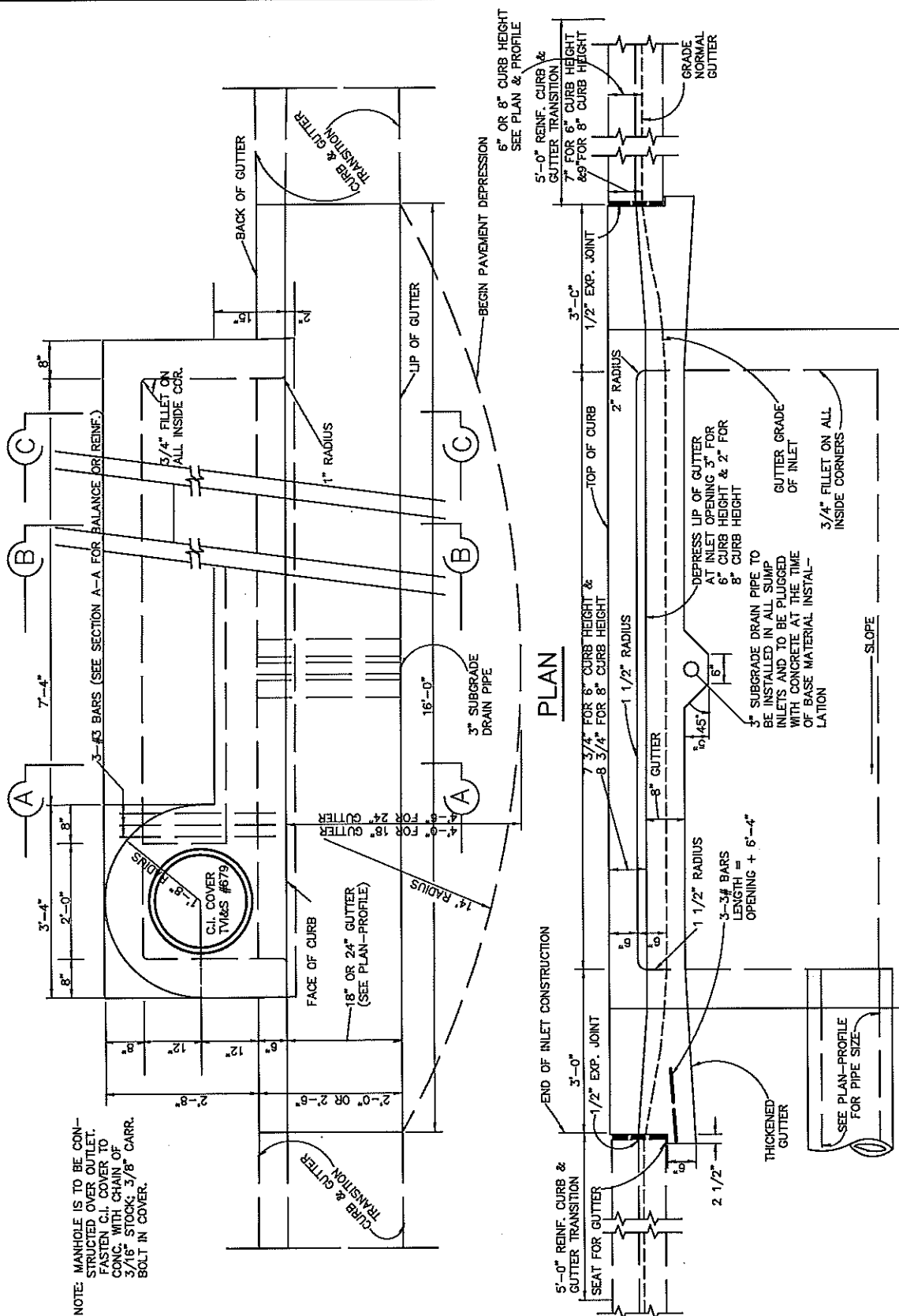
1'-5"

STANDARD FRAME AND COVER FC-6

CONSTRUCTION JOINT

PLAN





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CS

DATE:
JULY 2009

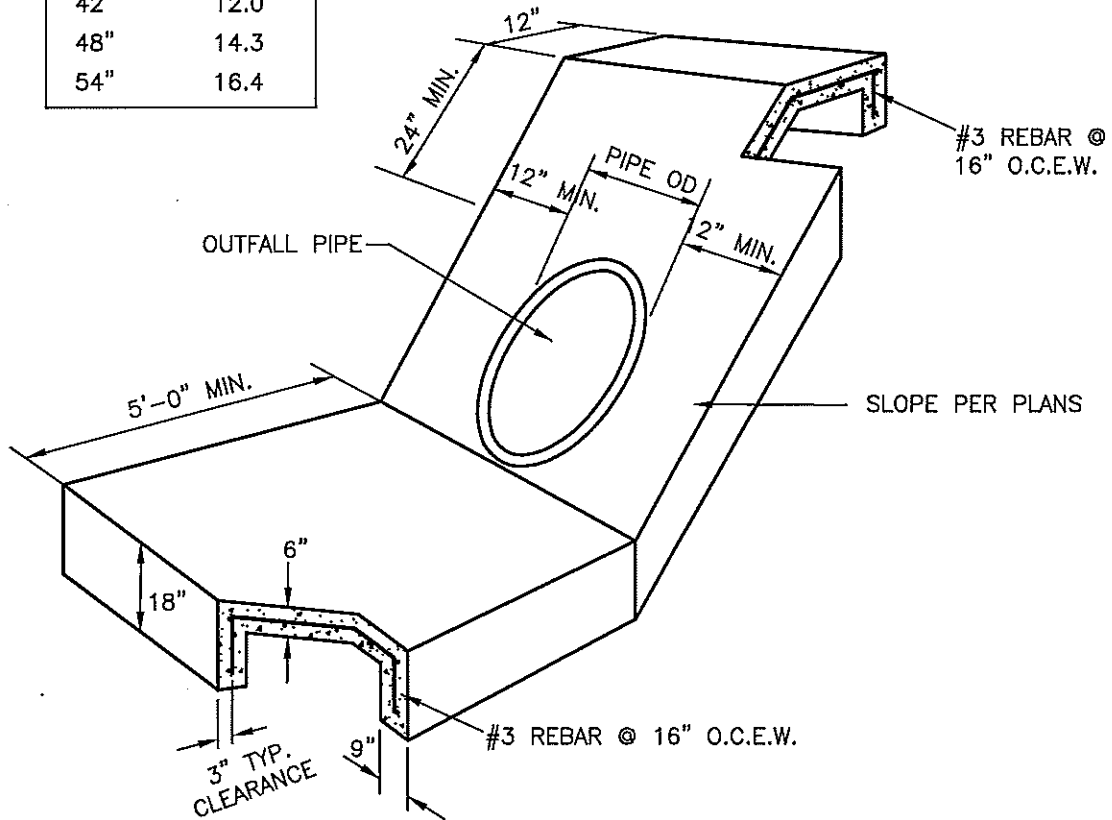
CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD 10' CURB
INLET DETAIL

STANDARD

UT 303

MINIMUM RIP-RAP QUANTITIES	
PIPE	SQ. YDS.
18"	6.2
24"	6.9
27"	7.8
30"	9.5
36"	10.4
42"	12.0
48"	14.3
54"	16.4



NOTES:

1. WHEN HEADWALLS AND WINGWALLS ARE REQUIRED, THEY SHALL CONFORM TO THE TEXAS HIGHWAY DEPARTMENT STANDARDS, OR AS DIRECTED BY THE CITY.
2. ENERGY DISSIPATERS SHALL BE INSTALLED IF PIPE VELOCITY EXCEEDS 5.0 F.P.S., OR AS DIRECTED BY THE CITY.



APPROVED BY:
CS

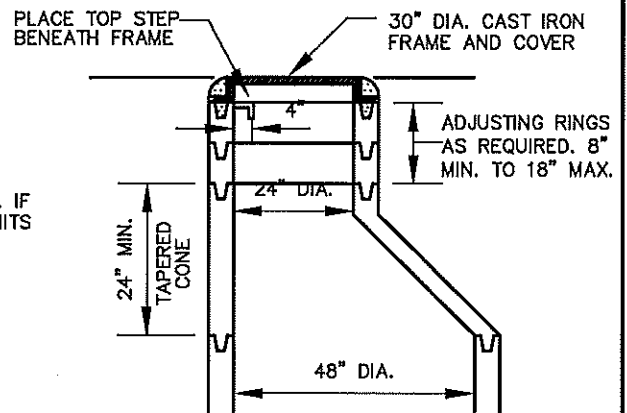
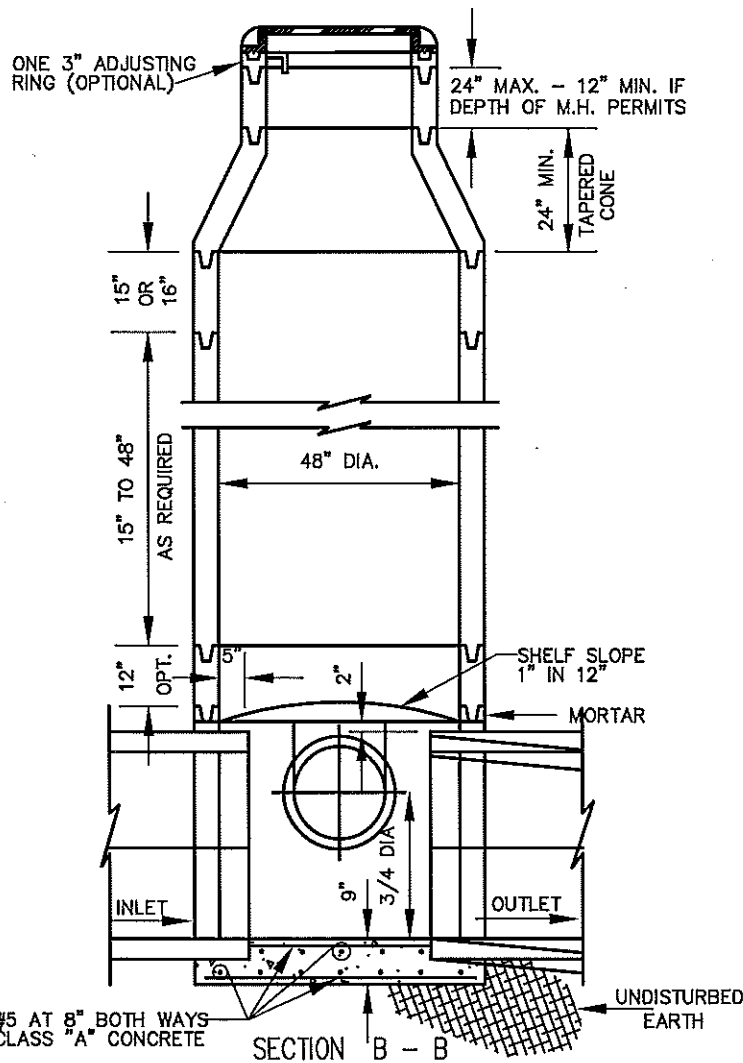
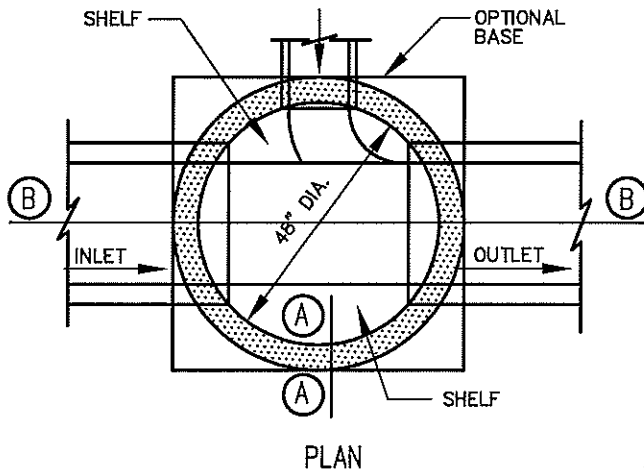
DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD

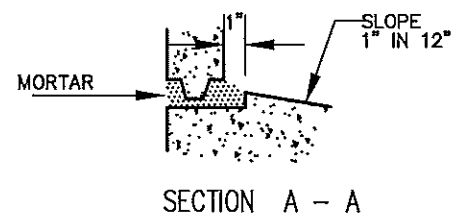
UT 304

RIP-RAP AT PIPE OUTFALL



ALTERNATE SECTION MAY BE
SUBMITTED FOR APPROVAL

NOTES: USE 24\"/>



APPROVED BY:	DATE:
CS	JULY 2009

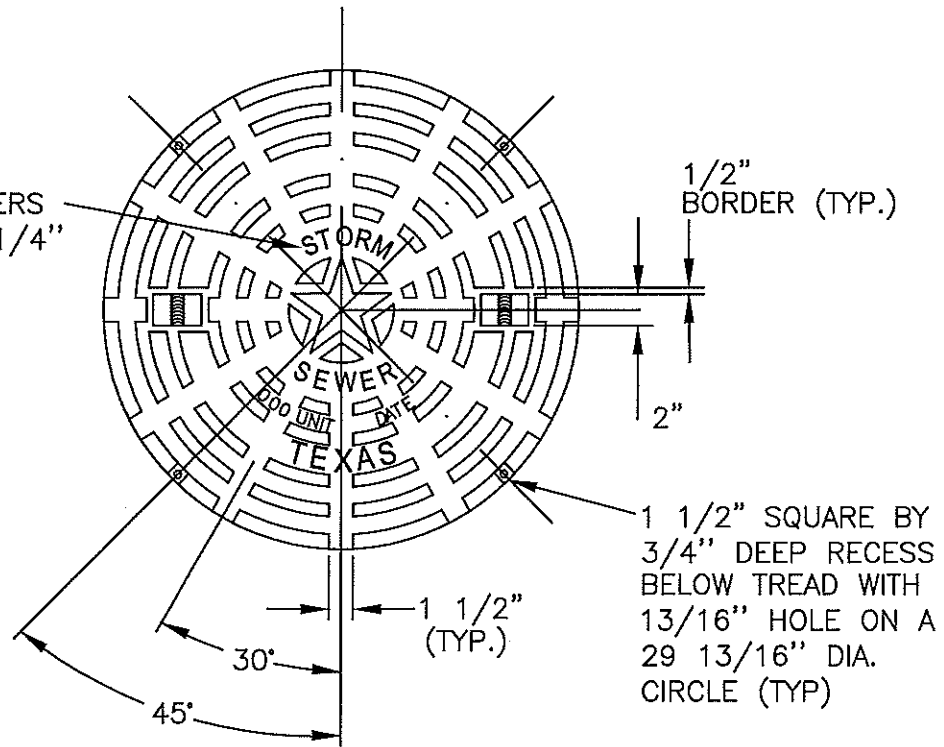
CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STORM SEWER MANHOLE - PRECAST

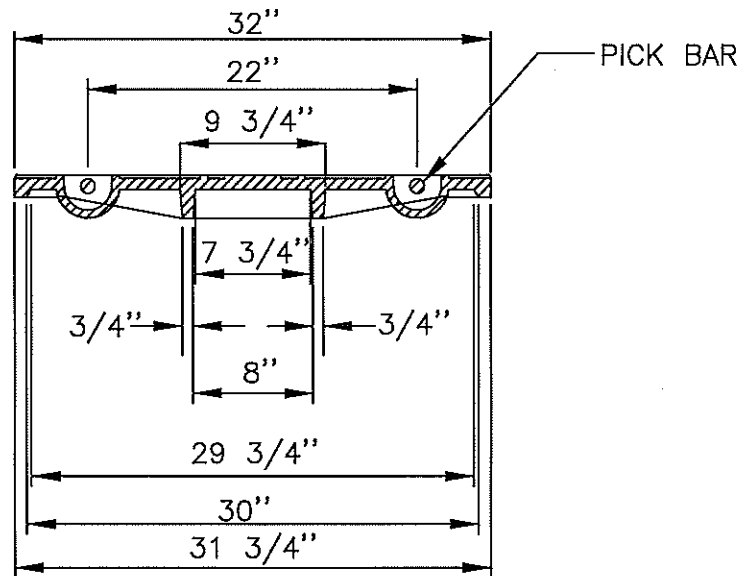
STANDARD

UT 305

1" LETTERS
RAISED 1/4"



LID PLAN VIEW



LID SECTION VIEW



APPROVED BY:
CS

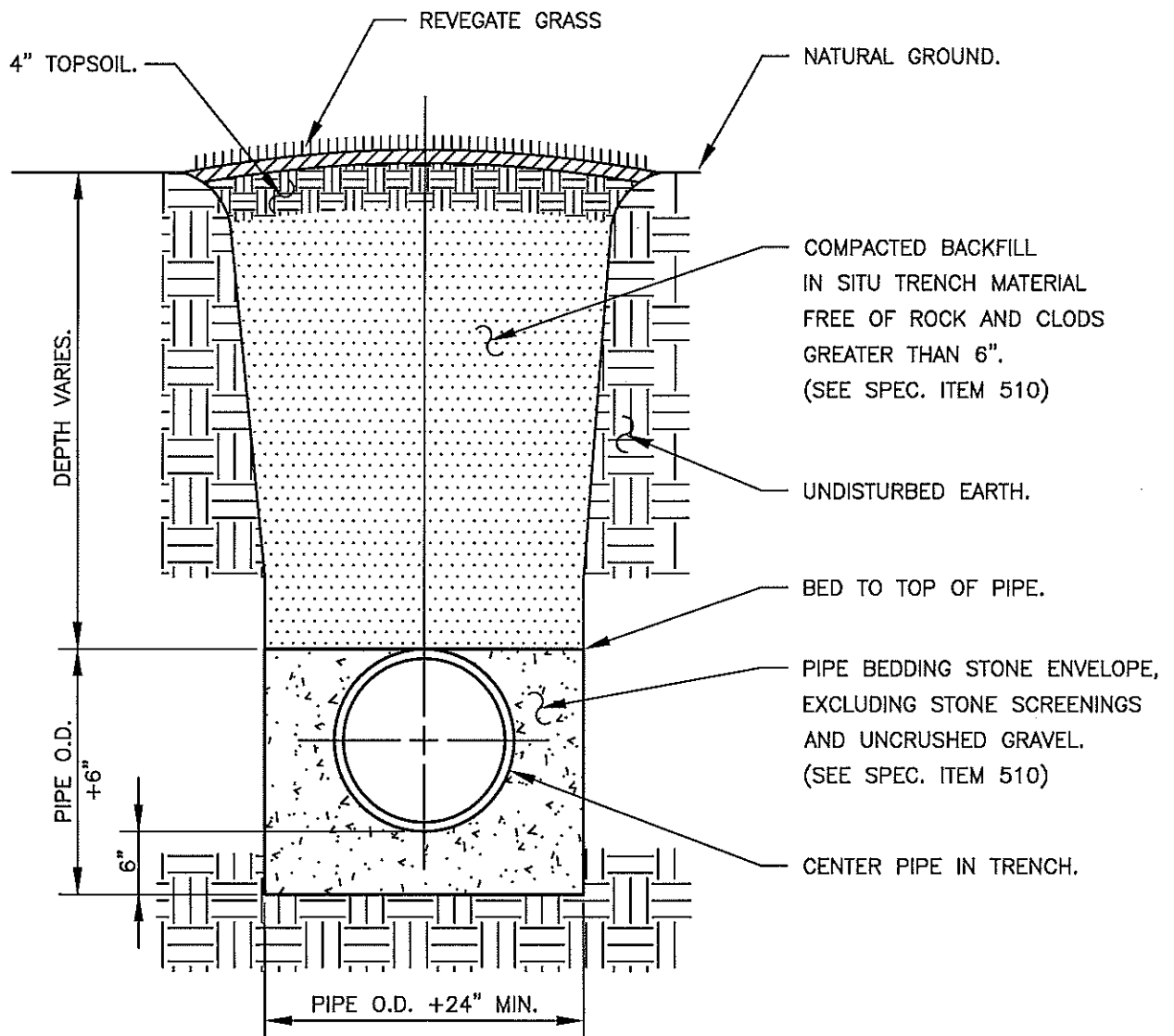
DATE:
JULY 2009

CITY OF TAYLOR
WILLIAMSON COUNTY, TEXAS
STANDARD DETAILS

STANDARD STORM SEWER
MANHOLE COVER (32")

STANDARD

UT 306



APPROVED BY:	DATE:
CS	JULY 2009

CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS
STORM SEWER LINE BEDDING DETAIL (NON-PAVED SURFACE)

STANDARD
UT 307

UT 308



City Council Meeting May 14, 2020 Transmittal Letter

STRATEGIC PILLAR

- ☐ Streets/Infrastructure
- ☐ Quality of Life
- ☒ Economic Vitality

Agenda Item #: 4
Agenda Title: **Memorandum of Understanding (MOU)
with Pflugerville Fire Department to
participate in regional Assistance for Firefighters
Grant for purpose of firefighter medical exams.**

Council Action to be taken: Consider MOU

Department Submitted: Fire

Staff Contact: Daniel Baum, Fire Chief

1. PURPOSE/DESCRIPTION

Travis County Emergency Services District #2 (Pflugerville Fire Department) will be applying for a regional Assistance for Firefighters Grant for the purpose of providing comprehensive medical examinations for incumbent and new hire firefighters. The purpose of this agenda item is to enter into a Memorandum of Understanding (MOU) with the Pflugerville Fire Department to participate in the grant program and consent with them acting as the fiscal agent and administrator of the grant contract should it be awarded. Other participants in this MOU include the fire departments from: Georgetown, Hutto, Temple, Jarrell, Volente, and Manchaca.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

The Assistance for Firefighters Grant is an annual grant program administered by FEMA. Among the grant priorities are wellness and fitness activities which are intended to strengthen emergency responders so that their mental, physical, and emotional capabilities are resilient enough to withstand the demands of all hazardous operations. The proposed grant accomplishes this by providing the required components of a wellness program including initial medical exams, job-related immunizations, annual medical and fitness evaluations, behavioral health screenings, and cancer screenings.

The Taylor Fire Department already provides annual medical exams for its firefighters. Should this grant be awarded, it would expand upon our current program. The proposed healthcare provider performing the exams is the same one that already provides medical exams for the department, so continuity of care and record keeping would be consistent. There is a 10% cost match (approximately \$5,000) required by the City, which would reduce our current costs for this program during the grant's one year performance period.

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>
• Allows Fire Department to continue its medical exam program at a reduced cost • Current medical exam provider will be utilized	• N/A

4. RECOMMENDATION

Staff recommends approval to enter into MOU with Travis County ESD #2.

5. FUNDING SOURCE

General Fund – Fire Department budget

6. TIMELINE

FY 2020-2021

7. OTHER OPTIONS (In order of preference)

N/A

8. ATTACHMENTS

4a. [Memorandum of Understanding \(MOU\)](#)

4b. Presentation will be provided prior to meeting to ensure current information.

Memorandum of Understanding

Between

Travis County Emergency Services District No. 2 (Pflugerville Fire Department)

And

Georgetown Fire Department,

Taylor Fire Department,

Temple Fire Department,

Travis County Emergency Services District No. 5 (Manchaca Fire Department),

Travis County Emergency Services District No. 14 (Volente Fire Department),

Williamson County Emergency Services District No. 3 (Hutto Fire Rescue), and

Williamson County Emergency Services District No. 5 (Jarrell Fire Department).

This Memorandum of Understanding ("MOU"), is effective as of the date the Award is made, by and between Travis County ESD No. 2 (Pflugerville Fire Department) and Georgetown Fire Department, Taylor Fire Department, Temple Fire Department, Travis County Emergency Services District No. 5 (Manchaca Fire Department), Travis County Emergency Services District No. 14 (Volente Fire Department), Williamson County Emergency Services District No. 3 (Hutto Fire Rescue), and Williamson County Emergency Services District No. 5 (Jarrell Fire Department), collectively referred to as the "Agencies" or the "Parties" for Federal Emergency Management Agency's (FEMA) Assistance to Firefighters Grant (AFG) program funding that will be used to implement a Health and Wellness program (the "project") that consists of extensive physical examinations with comprehensive lab tests, cancer screening through lab tests and non-invasive ultrasound and x-ray scanning, Behavioral Health Wellness Assessments, advanced Cardiopulmonary Exercise Testing and a thorough immunization program further described in Attachment A, attached hereto and incorporated herein for all purposes. In addition, candidate physical and behavioral health screening will be implemented. Each Agency's participation in this Project is contingent on the receipt of FEMA AFG request number EMW-2019-FG-01607.

RECITALS:

WHEREAS, each Agency finds that its participation in the Project under this MOU is in its best interest and that this MOU will benefit the public, and that the division of costs fairly represents all Agencies participating in the MOU;

WHEREAS, the Travis County ESD No. 2 has undertaken the submission of the AFG regional joint application and will function as the Fiscal Agent on behalf of all the Agencies identified above;

Now THEREFORE, the Parties agree as follows:

Section 1. Project Responsibility

Contingent upon the award and acceptance of AFG grant request number EMW-2019-FG-01607 to/by the Travis County ESD No. 2, Travis County ESD No. 2 will act as the Fiscal Agent for the Project and will contract for the grant funded services identified on Attachment A in accordance with the AFG conditions. All Parties to this MOU will comply with the AFG conditions and guidelines as appropriate. Travis County ESD No.2 will be responsible for audit requirements associated with the AFG for this Project.

The Agencies agree to promptly provide any documentation to Travis County ESD No. 2, as requested, that may be necessary in connection with the grant. FEMA requires regular performance reports that Agencies will need to promptly submit.

Agencies may refuse to implement the Health and Wellness program after the grant is awarded for any reason. If an Agency wishes to refuse participation, they must notify Travis County ESD No. 2 ninety (90) days before the performance period end date.

Section 2. Matching Funds

In the event the requested AFG funds are awarded for this Project, the Agencies will provide an estimated 10% match of their portion of the grant award to Travis County ESD No. 2 to cover annual wellness exams as follows:

Incumbent Services, which includes immunizations program, cancer screening, behavioral screening, and physical exam:

Pflugerville Fire Department	\$32,634 (147 personnel)
Georgetown Fire Department	\$38,858 (139 personnel)
Hutto Fire Department	\$ 9,102 (41 personnel)
Jarrell Fire Department	\$ 3,774 (17 personnel)
Manchaca Fire Department	\$ 4,440 (20 personnel)
Taylor Fire Department	\$ 5,106 (23 personnel)
Temple Fire Department	\$27,084 (122 personnel)
Volente Fire Department	\$ 3,330 (15 personnel)

New Hire Candidate Physicals

Match for each new Candidate Physical	\$ 195 (70 personnel)
---------------------------------------	-----------------------

It is understood that the actual dollar amount for the match may change slightly due to fluctuations in headcount at the time the physicals are completed. In addition, each Agency may add additional lab

tests or services to meet the unique requirements of the Agency, but these additions will be the sole responsibility of the Agency who will contract directly with Front Line Mobile Health, LLC.

The Agencies understand and acknowledge that their contribution of matching funds under this Agreement will be made from current revenues available to them. Travis County ESD No. 2 will submit an invoice for the matching portion as each Agency's physical exams are completed. These invoices need to be paid within 15 days.

Section 3. Scheduling Procedures

_____ Each Agency will be responsible for scheduling and planning the physicals with Frontline Mobile Health, LLC. This includes dates, times, location, and specific needs for the Agency. Travis County ESD No. 2 will not be responsible for any requirements associated with this section for other Agencies other than Travis County ESD No. 2.

Agencies must begin physicals at least ninety days before the performance period ends.

Section 4. Term/Termination

The term of this MOU commences on the date the award is received and will continue until such time that the AFG funding has been received, physical exams are complete, and all obligations under the AFG Agreement have been met by the Agencies. This MOU will terminate immediately if the AFG grant is not awarded. Once funding has been appropriated, all Agencies are committed to compliance with this MOU and the AFG conditions and guidelines and will have all responsibilities assigned to them under this MOU.

Section 5. Miscellaneous Provisions

- A. Applicable Law: This MOU is governed by the laws of the State of Texas. Exclusive venue for any dispute arising under this MOU is in Travis County, Texas.
- B. Cooperation: Agencies agree to cooperate with each other in good faith at all times during the term of this MOU in order to achieve the purposes and intent of this MOU. Each party to this MOU acknowledges and represents that this MOU has been executed by its duly authorized representative.
- C. Invalid Provisions: Should any provision in this MOU be found or deemed invalid, this MOU will be construed as not containing the invalid provision and all other provisions, which are otherwise lawful, will remain in full force and effect, and to this end, the provisions of this MOU are declared severable.

D. Public Information Act: The Parties understand that the Texas Public Information Act, Chapter 552 of the Texas Government Code will apply to this MOU. This MOU and all written information generated under this MOU may be subject to release under the Act.

E. Binding Effect. This MOU will take effect immediately upon execution by all Parties hereof and will inure to the benefit and be binding upon the administrators, successors, and assigns of the Parties hereto. No Agency will assign, sublet or transfer any interest in this MOU without the written consent of the other except that the Parties reserve their constitutional, statutory and common law rights, privileges, immunities, and defenses.

F. Entire Agreement/Amendments. This MOU, including appendices and referenced attachments represents the entire and integrated MOU between the Parties and supersedes all prior proposals, negotiations, representations or agreements either written or oral between the Parties. This MOU may be amended only by a separate written instrument approved by the all Parties.

G. Grantor Modifications. Parties may modify the language of this MOU if FEMA modifies the scope of work and/or makes adjustments to the amount awarded.

H. Obligations/Rights in Third Parties. By entering into this MOU, the Parties do not intend to create any obligations expressed or implied other than those set out herein; this MOU does not create any rights in any party not a signatory hereto.

Agreed To

On: _____ (date)

By: Travis County Emergency Services District No. 2
EIN: 74-2644883

Title: _____ Signature: _____

Agreed To

On: _____ (date)

By: Georgetown Fire Department
EIN: 74-6000974

Title: _____ Signature: _____

Agreed To

On: _____ (date)

By: Taylor Fire Department
EIN: 74-6002355

Title:_____ **Signature:**_____

Agreed To

On:_____ (date)

By: Temple Fire Department
EIN:74-6002368

Title:_____ **Signature:**_____

Agreed To

On:_____ (date)

By: Travis County Emergency Services District No. 5 (Manchaca Fire Department)
EIN: 74-2378962

Title:_____ **Signature:**_____

Agreed To

On:_____ (date)

By: Travis County Emergency Services District No. 14 (Volente Fire Department)
EIN: 74-2575264

Title:_____ **Signature:**_____

Agreed To

On:_____ (date)

By: Williamson County Emergency Services District No. 3 (Hutto Fire Rescue)
EIN: 74-2945054

Title:_____ Signature:_____

Agreed To

On:_____ (date)

By: Williamson County Emergency Services District No. 5 (Jarrell Fire Department)
EIN:16-1624947

Title:_____ Signature:_____

ATTACHMENT A: HEALTH AND WELLNESS PROGRAM COMPONENTS

PHYSICAL EXAM

Participants will receive a comprehensive physical that meets the standard set forth in NFPA 1582, including behavioral health, as well as the Wellness Fitness Initiative 4th edition. All participants will participate in a non-punitive, and confidential fitness assessment comprising of recommendations from 1583. Participants will receive the most advanced coronary heart disease screening currently on the market and usually reserved for sports medicine physicians and or cardiologists through CPET.

BEHAVIORAL HEALTH ASSESSMENT

Participants will receive assessments designed specifically to meet NFPA 1500 & WFI compliant Behavioral Health & Wellness Programs. The program will include the following: education, server based behavioral assessment data collection on multiple pillars (depression, substance use, sleep, post-traumatic stress, anxiety, social support, relationship satisfaction, resiliency, coping strategies), data analysis, client engagement & consultation, risk analysis, insight into policy and decision making.

CANCER SCREENING

Participants will receive cancer screening for colon, prostate, lung, testicular, bladder, oral, and thyroid cancer using a combination of blood/urine testing, plain film radiography, as well as non-invasive advanced imaging of the internal organs. All imaging to include plain film radiography and ultrasonography will be performed by a state licensed radiology technician or ultrasonographer. The results will be reviewed and reported by a board certified and fellowship trained radiologist.

JOB-RELATED IMMUNIZATION PROGRAM

Participants will receive disease screening and verification of immunization status in accordance with NFPA 1582 7.7.9 for Tuberculosis (QuantiFERON TB Gold), Hepatitis A, B, C, varicella, tetanus/diphtheria/pertussis, measles, mumps, and rubella. HIV screening will made available to all participants at their request



City Council Meeting May 14, 2020 Transmittal Letter

STRATEGIC PILLAR

☐ Streets/Infrastructure

☒ Quality of Life

☒ Economic Vitality

Agenda Item #: 5

Agenda Title: Hold a public hearing and introduce Ordinance 2020-04 regarding a text amendment to the Zoning Ordinance, Section 3.5.1 Home Occupations, which proposes to add a provision for Specific Use Permits in certain circumstances on a case by case basis to ensure all home occupations are compatible with residential uses and to ensure that home occupations do not adversely affect the integrity of residential areas.

Council Action to be taken: Hold public hearing and introduce ordinance

Department Submitted: Development Services

Staff Contact: Tom Yantis, Assistant City Manager

1. PURPOSE/DESCRIPTION

The purpose of this agenda item is to introduce a possible change to the Zoning Ordinance: Section 3.5.1 Home Occupations, which proposes to add a provision for Specific Use Permits in certain circumstances on a case by case basis to ensure all home occupations are compatible with residential uses and to ensure that home occupations do not adversely affect the integrity of residential areas, Taylor.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

The Planning and Zoning Commission heard zoning case PZ-2019-1190 at its January 14, 2020 meeting. The zoning case was the result of a code enforcement case related to an unauthorized home occupation of a medical clinic operated at 1003 TH Johnson Drive. In order to bring the medical clinic land use into compliance with the City's zoning ordinance the applicant requested a rezoning to the B-1 Local Business zoning district. The Commission recommended to City Council denial of the requested rezoning. However, during the Commission's discussion of the case, there were some members who expressed an interest in reviewing and possibly revising the City's standards for home occupations.

The City Council considered PZ-2019-1190 at their meeting on January 23, 2020 and accepted the Commission's recommendation of denial. Some members of the City

Council were also interested in reviewing the City's standards for home occupations and the Council directed staff to work with the Commission to determine what, if any, changes should be made to the home occupations standards.

At the February 11, 2020 P&Z meeting, staff presented the Commission with the option to consider allowing home occupations that do not meet all of the conditions of the zoning ordinance to apply for a Specific Use Permit. The Commission requested that staff present a draft of the proposed SUP provision at the March 10, 2020 meeting.

At the March 10, 2020 P&Z meeting, staff presented a draft of the amendment to the Zoning Ordinance to add an SUP option for home occupations. The Commission voted to direct staff to begin the formal adoption process for the amendment and schedule the public hearing for the April 14, 2020 P&Z meeting.

On April 14, 2020, the P&Z held a public hearing and voted 7-1 (Selin opposed) to recommend approval of the amendment to the Zoning Ordinance adding a Specific Use Permit option for home occupations.

The Zoning Ordinance currently defines a Home Occupation as follows:

Home Occupation - A use in a residential or agricultural zone which does not detract from the residential character of the neighborhood. Except in the case of some preschool care and certain special uses, a home occupation shall mean any use conducted entirely within a building, which use is clearly accessory to the use of the building for dwelling purposes. Any home occupation which utilizes an accessory structure shall be a special use. No home occupation shall include any activity which disrupts the normal residential character of the neighborhood in which the home occupation is located. The home occupation shall not generate pedestrian or vehicular traffic in excess of that customarily associated with the zone. Home occupation shall not be interpreted to include commercial stables and kennels.

Chapter 3 of the Zoning Ordinance establishes standards related to home occupations as follows:

3.5.1 Home Occupations

The following standards are intended to permit residents to engage in home occupations that are compatible with residential uses and to ensure that home occupations do not adversely affect the integrity of residential areas. A home occupation shall be considered an accessory use, subject to the following conditions:

- 1. No persons shall be engaged in a home occupation other than persons occupying the subject dwelling unit as their permanent residence;*
- 2. The home occupation shall be conducted entirely within the principal residential dwelling or within a permitted accessory structure;*

3. *There shall be no signs or other exterior visible evidence of a home occupation;*
4. *There shall be no visible storage of equipment, materials or vehicles that have more than two axles; and*
5. *All home occupations shall comply with the performance standards of Chapter 5.*

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>
• Allows home occupations that don't currently meet the criteria to apply for a Specific Use Permit • Allows P&Z and Council to place specific conditions on a home occupations depending upon its location and neighborhood context	• Could increase the number of home occupations in residential neighborhoods • Enforcement of specific conditions could be challenging

4. RECOMMENDATION

The Planning and Zoning Commission recommends amending Section 3.5.1 of the Zoning Ordinance as follows to add a new subpart 6:

3.5.1 Home Occupations

The following standards are intended to permit residents to engage in home occupations that are compatible with residential uses and to ensure that home occupations do not adversely affect the integrity of residential areas. A home occupation shall be considered an accessory use, subject to the following conditions:

1. No persons shall be engaged in a home occupation other than persons occupying the subject dwelling unit as their permanent residence;
2. The home occupation shall be conducted entirely within the principal residential dwelling or within a permitted accessory structure;
3. There shall be no signs or other exterior visible evidence of a home occupation;
4. There shall be no visible storage of equipment, materials or vehicles that have more than two axles; ~~and~~
5. All home occupations shall comply with the performance standards of Chapter 5; and
6. Home occupations that do not meet conditions 1 through 4 above may apply for a Specific Use Permit. In considering whether to approve a Specific Use Permit for a home occupation the Commission may recommend and the City Council

may impose standards to ensure the home occupation does not adversely affect the integrity of the residential neighborhood in which it is proposed and shall consider the following:

a. Are the hours of operation of the home occupation compatible with a residential neighborhood;

b. Is there sufficient off-street parking to accommodate the parking requirements of the home occupation;

c. Will the property at which the home occupation is conducted retain the characteristics of a residential property; and

d. Will the home occupation generate any nuisances incompatible with a residential neighborhood.

5. FUNDING SOURCE

N/A

6. TIMELINE

Planning and Zoning Commission public hearing and recommendation – April 14, 2020

City Council public hearing – May 14, 2020

City Council introduce ordinance – May 14, 2020

City Council consider approval of rezoning ordinance if introduced – May 28, 2020

7. OTHER OPTIONS (In order of preference)
--

Council could deny or modify the proposed amendment.

8. ATTACHMENTS

5a. [Draft Ordinance 2020-04](#)

ORDINANCE NO. 2020-04

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF TAYLOR, TEXAS, CHANGING TEXT OF THE ZONING ORDINANCE, SECTION 3.5.1 HOME OCCUPATIONS, BY ADDING A PROVISION FOR SPECIFIC USE PERMITS IN CERTAIN CIRCUMSTANCES ON A CASE BY CASE BASIS TO ENSURE ALL HOME OCCUPATIONS ARE COMPATIBLE WITH RESIDENTIAL USES AND TO ENSURE THAT HOME OCCUPATIONS DO NOT ADVERSELY AFFECT THE INTEGRITY OF RESIDENTIAL AREAS AND PROVIDING A SAVINGS CLAUSE.

WHEREAS, the Taylor City Council conducted a public hearing on May 14, 2020, to consider the change to the text of Zoning Ordinance, Section 3.5.1 Home Occupations; and

WHEREAS, the Planning and Zoning Commission, after proper notice, conducted a public hearing on April 14, 2020, to consider the change to the text of Zoning Ordinance, Section 3.5.1 Home Occupations, and recommended the approval of the change to the City Council; and

WHEREAS, the City Council, after the public hearing, approves the change to the Home Occupations section of the Zoning Ordinance.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF TAYLOR, TEXAS, that:

SECTION 1. The facts and recitations contained in the preamble of this Ordinance are hereby declared to be true and correct and are incorporated by reference herein and made a part hereof, as if copied verbatim.

SECTION 2. The Zoning Ordinance, Section 3.5.1 Home Occupations, is amended as follows to add a new subpart 6:

3.5.1 Home Occupations

The following standards are intended to permit residents to engage in home occupations that are compatible with residential uses and to ensure that home occupations do not adversely affect the integrity of residential areas. A home occupation shall be considered an accessory use, subject to the following conditions:

1. No persons shall be engaged in a home occupation other than persons occupying the subject dwelling unit as their permanent residence;
2. The home occupation shall be conducted entirely within the principal residential dwelling or within a permitted accessory structure;
3. There shall be no signs or other exterior visible evidence of a home occupation;
4. There shall be no visible storage of equipment, materials or vehicles that have more than two axles; ~~and~~
5. All home occupations shall comply with the performance standards of Chapter 5
; and

6. Home occupations that do not meet conditions 1 through 4 above may apply for a Specific Use Permit. In considering whether to approve a Specific Use Permit for a home

occupation the Commission may recommend and the City Council may impose standards to ensure the home occupation does not adversely affect the integrity of the residential neighborhood in which it is proposed and shall consider the following:

- a. Are the hours of operation of the home occupation compatible with a residential neighborhood;
- b. Is there sufficient off-street parking to accommodate the parking requirements of the home occupation;
- c. Will the property at which the home occupation is conducted retain the characteristics of a residential property; and
- d. Will the home occupation generate any nuisances incompatible with a residential neighborhood.

SECTION 3. All other terms and conditions contained in the Zoning Ordinance and official zoning map, except as amended herein, shall continue and remain in full force and effect.

SECTION 4. Should any section, paragraph, clause, phrase, or provision of this Ordinance be adjudged invalid or held unconstitutional, the same shall not affect the validity of this Ordinance as a whole or any part of the provisions thereof, other than the part so decided to be invalid or unconstitutional.

SECTION 5. In accordance with Article VIII of the City Charter, Ordinance 2020-XX was introduced before the Taylor City Council on the _____ day of May 2020.

PASSED, APPROVED, and ADOPTED on the _____ day of _____, 2020.

Brandt Rydell, Mayor

ATTEST:

Dianna Barker, City Clerk

APPROVED AS TO FORM:

Ted W. Hejl, City Attorney

CERTIFICATE

THE STATE OF TEXAS

COUNTY OF WILLIAMSON

I, Dianna Barker, being the current City Clerk of the City of Taylor, Texas, do hereby certify that the attached is a true and correct copy of Ordinance No. 2020-XX, passed and approved by the City Council of the City of Taylor, Texas, on the _____ day of _____, 2020, and such Ordinance was duly introduced, passed, approved and adopted at meetings open to the public and notices of the meetings, giving the dates, places, and subject matter thereof, were posted as prescribed by Government Code Section 551.043.

Witness my hand and seal of office this _____ day of _____, 2020.

Dianna Barker
City Clerk



***City Council Meeting
May 14, 2019
Transmittal Letter***

STRATEGIC PILLAR

☐ Streets/Infrastructure

☒ Quality of Life

☐ Economic Vitality

Agenda Item #: 6
Agenda Title: Receive Taylor Chamber of Commerce
Quarterly Report for January - March 2020.

Council Action to be taken: Accept report as presented

Initiating Organization: Greater Taylor Chamber of Commerce

Staff Contact: Tia Stone, President

1. PURPOSE/DESCRIPTION

The purpose of this agenda item is present to the City Council a Report of Activities and Budget for the Chamber of Commerce as it pertains to the administration of the Hotel Occupancy Tax grant contract.

2. STAFF ANALYSIS (Why and How)

Section 3.3 of the Agreement between the City of Taylor and the Taylor Chamber of Commerce states in part, "The Chamber of Commerce shall prepare written reports for submission to the City Council on a quarterly basis, during the months of January, April, July, and October". The attached report is meant to fulfill this requirement.

3. RECOMMENDATION

Approve as presented

4. FUNDING SOURCE

The City Budget includes an annual transfer of up to \$50,000 in Hotel/Motel Occupancy Tax revenue to the Chamber to be used as outlined by state law. This report provides details as to how those funds have been spent.

5. TIMELINE

The last presentation to Council was Feb. 14, 2020 for the period of October-December 2019. This report covers January-March 2020.

6. PRIOR COUNCIL ACTIONS TAKEN

Approved as presented

7. OTHER OPTIONS (In order of preference)
--

N/A

8. ATTACHMENTS

6a. [Q2 January-March 2020 HOT Report](#)



Q2 2019-2020 HOT report

Tia Rae Stone, GTCCVC President

Q2 HOT funds expenditures

- \$325 Taylor Press (map ad)
- \$270 Texas Association of Convention & Visitor Bureaus dues
- \$6800 Habitat for Humanity for promotion of Hops for Houses craft beer festival

Q2 Tourism Activities

- 607+ Taylor Visitor Guide
 - 169+ Maps of Taylor & Williamson County
 - 259+ Moody Museum brochures
 - 189 BBQ Trail brochures
 - 5 Tourism packet (TX, IA, NY, MI & WI)
- 
- A decorative horizontal bar at the bottom of the slide, consisting of a light green gradient bar on top and a darker green gradient bar below it.

Hotel Occupancy Tax income comparison

	2018	2019 Net	Gain/Loss
• December	5,835	4,074	\$ 1,761
• January	5,399	7,692	\$ 2,293
• February	6004	2262	\$ 3,742

(Net loss of \$813)



City Council Meeting

May 14, 2020

Transmittal Letter

STRATEGIC PILLAR

- ☐ Streets/Infrastructure
- ☐ Quality of Life
- ☒ Economic Vitality

Agenda Item #: 7
Agenda Title: Receive presentation on 6-month Financial Update and Forecast

Council Action to be taken: Receive presentation

Department Submitted: Finance

Staff Contact: Jeffrey Wood, Director of Finance

1. PURPOSE/DESCRIPTION

The purpose of this agenda item is to present a 6-month budget update and a financial forecast related to the COVID-19 situation.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

Staff has not presented a mid-year update in the past and current management believes it is beneficial to provide Council with an update on the first half of the fiscal year. Given the unique economic situation this year, staff also believes it is important to present a forecast of the potential financial impact of COVID-19 on FY2020 and FY2021.

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>
• Provide Council with insight to the first six months of the fiscal year • Provide Council with the latest financial forecast for FY2020 to assist them in making future decisions • Provide some initial insight into FY2021	• Forecast contains multiple variables with minimum supporting data • Forecast will change as additional data becomes available

4. RECOMMENDATION

Receive presentation as information only.

5. FUNDING SOURCE

N/A

6. TIMELINE

N/A

7. OTHER OPTIONS (In order of preference)
--

N/A

8. ATTACHMENTS

7a. [Financial Update Presentation](#)



***City Council Meeting
May 14, 2020
Transmittal Letter***

STRATEGIC PILLAR

- ☐ Streets/Infrastructure
- ☐ Quality of Life
- ☒ Economic Vitality

Agenda Item #: 8

Agenda Title: Receive 2019 Compensation Study update and analysis for the FY 2020-21 budget process.

Council Action to be taken: Receive presentation

Department Submitted: Human Resources

Staff Contact: Kim Peterson, Human Resources/ Jeff Wood, Finance

1. PURPOSE/DESCRIPTION

The purpose of this agenda item is to provide an update on the 2019 Compensation Study and analysis for next year's budget.

2. BACKGROUND / PRIOR COUNCIL ACTIONS TAKEN

The City engaged the services of Public Sector Compensation Consultants (PSPC) to conduct a compensation study to review pay ranges in comparison to area cities. The study was updated to review public safety positions to respond to changes in market conditions. Results of the study will be considered for the FY 2020-21 Budget.

Council will have the opportunity to review implementation of the Compensation Study as part of the FY 2020 – 21 Budget development process.

3. STAFF ANALYSIS (How and Why)

Provide Compensation Study report for development of the FY 2020-21 Budget.

4. RECOMMENDATION

Receive 2019 Compensation Study, 2020 update and analysis for next year's budget.

5. FUNDING SOURCE

Annual budget

6. TIMELINE

Provide pay options as part of the FY 2020-21 Budget development process.

7. OTHER OPTIONS (In order of preference)
--

N/A

8. ATTACHMENTS

- 8a. [PSPC Report](#)
- 8b. [Addendum, Public Safety recommendations](#)
- 8c. [Compensation Study - Power Point](#)

CITY OF TAYLOR, TEXAS

Salary Survey Update 2018-19



Public Sector Personnel Consultants
October 2019

1. EXECUTIVE SUMMARY

It is our pleasure to present to the City of Taylor, TX the findings and recommendations of the FY 2018/2019 Salary Survey Update. We wish to thank all employees and department heads for their participation and assistance during this process.

A. SUMMARY OF FINDINGS

1. New pay ranges have been proposed for all jobs using available survey data, and aligns the City's pay ranges to 100% of market values.
2. 41% of surveyed job classes (26/63) are behind the market midpoint (< -5% variance from market midpoint); 59% of surveyed job classes (37/63) are within a competitive range (+/- 5% variance from market midpoint) or greater (> 5% variance from market midpoint).

B. SUMMARY OF RECOMMENDATIONS

1. Adopt the proposed pay range assignments for each job class.
2. Adjust the salaries of the employees whose current salary falls below the minimum of the proposed range to the minimum of the proposed range.
3. In the future, adjust salaries for all employees within the new pay ranges, according to the City's annual budget process and/or merit, time in job, etc.
4. Continue to periodically perform salary survey updates to verify that the ranges allocated to each position correspond to market rates of pay.

2. EXTERNAL COMPETITIVENESS COMPARISONS

The following sections and tables describe the methodology for the salary survey update, including survey comparators and method of comparison.

A. SOURCES OF EXTERNAL DATA

In order to create statistical reliability, we obtained the complete salary plans from the following employers and extracted data on their job classes matching the City's salary survey benchmarks.

City of Austin, TX	City of Harker Heights, TX
City of Bastrop, TX	City of Hutto, TX
City of Belton, TX	City of Kyle, TX
City of Buda, TX	City of Leander, TX
City of Cedar Park, TX	City of Lockhart, TX
City of Copperas Cove, TX	City of Pflugerville, TX
City of Elgin, TX	City of Round Rock, TX
City of Georgetown, TX	City of Temple, TX

Data was also collected from regional private sector employers where possible using figures from the Economic Research Institute.

B. SALARY RANGE COMPARISONS

We utilized the standard "structure-to-structure" method to compare the City's salary structures to the prevailing rates. The City's salary structure and the prevailing rates are represented by their Midpoints, which are the amounts employers pay for sustained competent job performance.

The Midpoint is the most objective, occupation-specific and consistent component of salary structures among employers, as the varying widths of salary grades are too great to utilize Minimum or Maximum. Midpoint is not affected by actual salary averages which may reflect longevity, pay-for-performance, and a myriad of subjective salary plan administration characteristics of the comparator employers. When individual salary plans were comprised of steps, the beginning and ending steps were added and the sum divided by two (2) to calculate a true midpoint.

C. BENCHMARK OCCUPATIONS

PSPC benchmarked 63/87 occupational job classes, or 72% of all positions at the City of Taylor. The following is a list of the benchmark classifications that were utilized for the study.

Account Clerk	Director of Internal Services	Police Cadet
Accountant I	Driver Operator	Police Chief
Administrative Assistant - HR	Equipment Operator I	Police Corporal
Airport Manager	Equipment Operator II	Police Officer
Airport Operations Assistant	Equipment Operator III	Police Sergeant
Animal Control Officer	Executive Assistant	Public Works Director
Animal Control Supervisor	Finance Director	Public Works Superintendent
Assistant City Manager	Fire Chief	Records Supervisor
Assistant Fire Chief - Fire Marshal	Fire Lieutenant	Senior Deputy Municipal Court Clerk
Athletic Field Technician	Firefighter EMT	Senior Engineer
Building Maintenance Technician	Fleet Services Manager	Senior Planner
Building Official	Human Resources Director	Senior Utility Clerk
City Clerk	IT Specialist	Service Technician
City Manager	Library Aide	Technology Librarian
Code Enforcement Officer	Library Assistant	Utility Billing Manager
Communications Officer	Library Director	Utility Clerk
Communications Supervisor	Main Street Manager	Utility Superintendent
Crew Leader I	Mechanic	Utility Worker I
Custodian	Municipal Court Clerk of Record	Utility Worker II
Deputy Municipal Court Clerk	Parks and Recreation Director	Wastewater Plant Operator I
Director of Development Services	Permit Clerk - Receptionist	Wastewater Plant Operator II

D. EXTERNAL PREVAILING RATE COMPARISON

The following table summarizes the comparison of the City's current salary structures for all benchmark job classes to the prevailing rates of all competitor employers from the salary survey sources.

<u>Relationship to Prevailing Rates</u>	<u>Benchmark Job Classes</u>	<u>% of Sample</u>	<u>Average Variance</u>
Below (<-5%)	26	41%	- 8.97%
Comparable (+/- 5%) or Greater (>5%)	37	59%	-1.0%

The City's current structures are competitive (within +/-5% or greater than 5% of the prevailing rates) for 59% of the benchmark job classes, and not competitive (-5% or more below the prevailing rates) for 41% of the benchmark job classes.

Job Classification Title	Taylor Midpoint	10/01/18 Aged Survey Midpoint	Variance	
			\$	%
Airport Manager	\$57,249	\$72,101	-\$14,853	-20.60%
City Manager	\$151,898	\$186,545	-\$34,647	-18.57%
Main Street Manager	\$57,249	\$66,035	-\$8,786	-13.31%
Firefighter EMT	\$46,798	\$53,673	-\$6,874	-12.81%
Parks and Recreation Director	\$80,555	\$91,982	-\$11,428	-12.42%
Driver Operator	\$54,775	\$62,156	-\$7,381	-11.87%
Police Corporal	\$61,180	\$69,115	-\$7,935	-11.48%
Fire Lieutenant	\$63,794	\$71,251	-\$7,457	-10.47%
Police Sergeant	\$66,946	\$74,295	-\$7,349	-9.89%
Building Official	\$73,066	\$80,802	-\$7,736	-9.57%
Deputy Municipal Court Clerk	\$33,472	\$36,836	-\$3,364	-9.13%
Utility Clerk	\$33,472	\$36,434	-\$2,962	-8.13%
Assistant City Manager	\$119,016	\$128,630	-\$9,614	-7.47%
Utility Billing Manager	\$54,523	\$58,750	-\$4,227	-7.20%
Animal Control Officer	\$35,146	\$37,652	-\$2,506	-6.66%
Accountant I	\$54,523	\$58,380	-\$3,857	-6.61%
Fire Chief	\$102,811	\$109,921	-\$7,111	-6.47%
Library Director	\$80,555	\$86,033	-\$5,478	-6.37%
Utility Worker I	\$36,903	\$39,265	-\$2,362	-6.02%
Human Resources Director	\$88,812	\$94,491	-\$5,679	-6.01%
Police Chief	\$102,811	\$109,033	-\$6,223	-5.71%
Senior Deputy Municipal Court Clerk	\$38,748	\$41,050	-\$2,302	-5.61%
Senior Engineer	\$80,555	\$85,267	-\$4,713	-5.53%
Building Maintenance Technician	\$35,146	\$37,052	-\$1,906	-5.14%
Wastewater Plant Operator I	\$40,686	\$42,886	-\$2,200	-5.13%
Senior Planner	\$63,117	\$66,519	-\$3,402	-5.11%
Permit Clerk - Receptionist	\$33,472	\$35,162	-\$1,690	-4.81%
Communications Officer	\$40,686	\$42,729	-\$2,043	-4.78%
Wastewater Plant Operator II	\$47,099	\$49,370	-\$2,272	-4.60%
Records Supervisor	\$44,856	\$46,966	-\$2,110	-4.49%
Library Aide	\$28,915	\$30,240	-\$1,325	-4.38%
Administrative Assistant - HR	\$38,748	\$40,453	-\$1,705	-4.22%
Communications Supervisor	\$51,926	\$54,113	-\$2,187	-4.04%
Utility Worker II	\$42,720	\$44,477	-\$1,757	-3.95%
Technology Librarian	\$49,454	\$51,377	-\$1,923	-3.74%
Police Officer	\$56,811	\$58,934	-\$2,124	-3.60%
IT Specialist	\$49,454	\$51,242	-\$1,789	-3.49%
Public Works Director	\$102,811	\$106,468	-\$3,657	-3.44%
Crew Leader I (Streets/Grounds Maintenance)	\$47,099	\$48,745	-\$1,646	-3.38%
Custodian	\$28,915	\$29,851	-\$937	-3.14%
Equipment Operator I	\$33,472	\$34,312	-\$840	-2.45%
Director of Development Services	\$88,812	\$90,748	-\$1,936	-2.13%
Library Assistant	\$31,878	\$32,563	-\$685	-2.10%
City Clerk	\$73,066	\$74,552	-\$1,486	-1.99%
Equipment Operator III	\$40,686	\$41,476	-\$790	-1.91%
Finance Director	\$102,811	\$104,795	-\$1,984	-1.89%
Service Technician	\$40,686	\$41,377	-\$691	-1.67%
Mechanic	\$42,720	\$43,372	-\$652	-1.50%
Animal Control Supervisor	\$51,926	\$52,597	-\$671	-1.28%
Director of Internal Services	\$80,555	\$81,512	-\$957	-1.17%
Athletic Field Technician	\$33,472	\$33,719	-\$247	-0.73%
Equipment Operator II	\$36,903	\$36,712	\$191	0.52%
Code Enforcement Officer	\$44,856	\$44,527	\$329	0.74%
Utility Superintendent	\$73,066	\$72,490	\$576	0.79%
Account Clerk	\$38,748	\$38,342	\$406	1.06%
Assistant Fire Chief - Fire Marshal	\$80,555	\$79,642	\$912	1.15%
Executive Assistant	\$57,249	\$56,551	\$698	1.23%
Public Works Superintendent	\$73,066	\$72,137	\$928	1.29%
Fleet Services Manager	\$57,249	\$56,323	\$926	1.64%
Senior Utility Clerk	\$40,686	\$39,997	\$689	1.72%
Airport Operations Assistant	\$36,903	\$36,026	\$878	2.44%
Municipal Court Clerk of Record	\$63,117	\$58,320	\$4,797	8.23%
Police Cadet	\$48,854	\$41,763	\$7,091	16.98%

E. RANGE ALLOCATION AND PLACEMENT

The current salary schedule consists of 55 grades. The ranges of each grade are 35% from minimum to maximum; between grades there is a 5% difference from midpoint to midpoint.

1	\$15,088	\$17,751	\$20,414		29	\$59,148	\$69,586	\$80,024
2	\$15,843	\$18,639	\$21,434		30	\$62,106	\$73,066	\$84,025
3	\$16,635	\$19,570	\$22,506		31	\$65,211	\$76,719	\$88,227
4	\$17,467	\$20,549	\$23,631		32	\$68,472	\$80,555	\$92,638
5	\$18,340	\$21,576	\$24,813		33	\$71,895	\$84,582	\$97,270
6	\$19,257	\$22,655	\$26,054		34	\$75,490	\$88,812	\$102,133
7	\$20,220	\$23,788	\$27,356		35	\$79,264	\$93,252	\$107,240
8	\$21,231	\$24,977	\$28,724		36	\$83,228	\$97,915	\$112,602
9	\$22,292	\$26,226	\$30,160		37	\$87,389	\$102,811	\$118,232
10	\$23,407	\$27,538	\$31,668		38	\$91,758	\$107,951	\$124,144
11	\$24,577	\$28,915	\$33,252		39	\$96,346	\$113,349	\$130,351
12	\$25,806	\$30,360	\$34,914		40	\$101,164	\$119,016	\$136,868
13	\$27,097	\$31,878	\$36,660		41	\$106,222	\$124,967	\$143,712
14	\$28,451	\$33,472	\$38,493		42	\$111,533	\$131,215	\$150,897
15	\$29,874	\$35,146	\$40,418		43	\$117,110	\$137,776	\$158,442
16	\$31,368	\$36,903	\$42,439		44	\$122,965	\$144,665	\$166,364
17	\$32,936	\$38,748	\$44,560		45	\$129,113	\$151,898	\$174,683
18	\$34,583	\$40,686	\$46,788		46	\$135,569	\$159,493	\$183,417
19	\$36,312	\$42,720	\$49,128		47	\$142,347	\$167,468	\$192,588
20	\$38,128	\$44,856	\$51,584		48	\$149,465	\$175,841	\$202,217
21	\$40,034	\$47,099	\$54,163		49	\$156,938	\$184,633	\$212,328
22	\$42,036	\$49,454	\$56,872		50	\$164,785	\$193,865	\$222,944
23	\$44,137	\$51,926	\$59,715		51	\$173,024	\$203,558	\$234,091
24	\$46,344	\$54,523	\$62,701		52	\$181,675	\$213,736	\$245,796
25	\$48,661	\$57,249	\$65,836		53	\$190,759	\$224,422	\$258,086
26	\$51,095	\$60,111	\$69,128		54	\$200,297	\$235,644	\$270,990
27	\$53,649	\$63,117	\$72,584		55	\$210,312	\$247,426	\$284,540
28	\$56,322	\$66,273	\$76,213					

Midpoint %

5.00%

Range Spread

35.00%

In order to assign positions to a grade, we identified the grade that was closest to the market midpoint. All positions have been evaluated at 100% of the prevailing rate. Using the market as our first point of reference, we then made range adjustments between job classes to ensure enough separation between levels and types of jobs and to ensure internal alignment. In some instances, range adjustments were also affected by the scope and complexity of the job versus its comparators.

The following table shows the current salary range per job, and the proposed range based on survey findings (General Service Only):

City of Taylor, TX		-- Recommended --			
Current Title	Current Range	Range	Minimum	Midpoint	Maximum
<u>Airport</u>					
Airport Manager	25	25	\$62,106	\$73,066	\$84,025
Airport Operations Assistant	16	16	\$31,368	\$36,903	\$42,439
<u>City Hall</u>					
City Manager	45	49	\$156,938	\$184,633	\$212,328
Assistant City Manager	40	42	\$111,533	\$131,215	\$150,897
Human Resources Director	34	35	\$79,264	\$93,252	\$107,240
City Clerk	30	30	\$62,106	\$73,066	\$84,025
Public Information Officer	27	28	\$56,332	\$66,273	\$76,213
Executive Assistant	25	25	\$48,661	\$57,249	\$65,836
Main Street Manager	25	28	\$56,332	\$66,273	\$76,213
Administrative Assistant – HR	17	18	\$34,583	\$40,686	\$46,788
<u>Development Services</u>					
Development Services Director/Assistant City Manager	40	42	\$111,533	\$131,215	\$150,897
Director of Development Services	34	35	\$79,264	\$93,252	\$107,240
Building Official	30	32	\$68,472	\$80,555	\$92,638
Senior Planner	27	28	\$56,332	\$66,273	\$76,213
Development Project Facilitator	24	24	\$46,344	\$54,523	\$62,701
Code Enforcement Officer	20	20	\$38,128	\$44,856	\$51,584
Administrative Assistant - Planning	17	18	\$34,583	\$40,686	\$46,788
Permit Clerk – Receptionist	14	15	\$29,874	\$35,146	\$40,418
<u>Finance</u>					
Finance Director	37	38	\$91,758	\$107,951	\$124,144
Senior Accountant	NEW	28	\$56,332	\$66,273	\$76,213
Accountant I	24	25	\$48,661	\$57,249	\$65,836
Budget and Financial Analyst	24	25	\$48,661	\$57,249	\$65,836
Utility Billing Manager	24	25	\$48,661	\$57,249	\$65,836
Payroll Accounting Specialist	21	21	\$40,034	\$47,099	\$54,163
Senior Utility Clerk	18	18	\$34,583	\$40,686	\$46,788
Service Technician	18	28	\$56,332	\$66,273	\$76,213
Account Clerk	17	18	\$34,583	\$40,686	\$46,788
Utility Clerk	14	15	\$29,874	\$35,146	\$40,418
<u>Fire</u>					
Fire Chief	37	38	\$91,758	\$107,951	\$124,144
Assistant Fire Chief - Fire Marshal	32	32	\$68,472	\$80,555	\$92,638
Fire Lieutenant	CS-7	-	-	-	-
Driver Operator	CS-1	-	-	-	-
Driver Operator Dr Certification	CS-1	-	-	-	-
Firefighter EMT	CS	-	-	-	-
Administrative Assistant – Fire	17	18	\$34,583	\$40,686	\$46,788
<u>Internal Services</u>					
Director of Internal Services	32	32	\$68,472	\$80,555	\$92,638

Building Maintenance Superintendent	25	25	\$48,661	\$57,249	\$65,836
Fleet Services Manager	25	25	\$48,661	\$57,249	\$65,836
IT Specialist	22	23	\$44,137	\$51,926	\$59,715
Senior Mechanic	NEW	22	\$42,036	\$49,454	\$56,872
Mechanic	19	19	\$36,312	\$42,720	\$49,128
Building Maintenance Technician	15	16	\$31,368	\$36,903	\$42,439
Custodian	11	12	\$25,806	\$30,360	\$34,914
<u>Library</u>					
Library Director	32	32	\$68,472	\$80,555	\$92,638
Technology Librarian	22	23	\$44,137	\$51,926	\$59,715
Library Assistant	13	14	\$28,451	\$33,472	\$38,493
Library Aide	11	12	\$25,806	\$30,360	\$34,914
Library Intern	1	1	\$15,088	\$17,751	\$20,414
<u>Municipal Court</u>					
Municipal Court Clerk of Record	27	27	\$53,649	\$63,117	\$72,584
Senior Deputy Municipal Court Clerk	17	18	\$34,583	\$40,686	\$46,788
Deputy Municipal Court Clerk	14	15	\$29,874	\$35,146	\$40,418
<u>Parks and Recreation</u>					
Parks and Recreation Director	32	35	\$79,264	\$93,252	\$107,240
Parks and Recreation Superintendent	30	30	\$62,106	\$73,066	\$84,025
Crew Leader II	23	23	\$44,137	\$51,926	\$59,715
Crew Leader I	21	21	\$40,034	\$47,099	\$54,163
Athletic Field Technician	14	14	\$28,451	\$33,472	\$38,493
Grounds Operator I	14	14	\$28,451	\$33,472	\$38,493
<u>Police Support</u>					
Support Services Administrator	27	27	\$53,649	\$63,117	\$72,584
Communications Supervisor	23	25	\$48,661	\$57,249	\$65,836
Animal Control Supervisor	23	23	\$44,137	\$51,926	\$59,715
Victim Services Coordinator	22	23	\$44,137	\$51,926	\$59,715
Records Supervisor	20	21	\$40,034	\$47,099	\$54,163
Communications Officer	18	21	\$40,034	\$47,099	\$54,163
Animal Control Officer	15	16	\$31,368	\$36,903	\$42,439
Animal Shelter Kennel Technician	13	13	\$27,097	\$31,878	\$36,660
<u>Police Sworn Officers</u>					
Police Chief	37	38	\$91,758	\$107,951	\$124,144
Police Commander	32	32	\$68,472	\$80,555	\$92,638
Police Sergeant	CS-2	-	-	-	-
Police Corporal	CS-1	-	-	-	-
Police Officer	CS	-	-	-	-
Police Cadet	CS	19	\$36,312	\$42,720	\$49,128
<u>Public Works</u>					
Public Works Director	37	38	\$91,758	\$107,951	\$124,144
City Engineer	33	35	\$79,264	\$93,252	\$107,240
Senior Engineer	32	32	\$68,472	\$80,555	\$92,638
Public Works Superintendent	30	30	\$62,106	\$73,066	\$84,025

Utility Superintendent	30	30	\$62,106	\$73,066	\$84,025
Street and Grounds Supervisor	25	25	\$48,661	\$57,249	\$65,836
Wastewater Plant Supervisor	25	25	\$48,661	\$57,249	\$65,836
Crew Leader II (PW)	23	23	\$44,137	\$51,926	\$59,715
Crew Leader II (Water)	23	23	\$44,137	\$51,926	\$59,715
Pretreatment Coordinator WWTP Operations	23	23	\$44,137	\$51,926	\$59,715
Crew Leader I (Streets/Grounds Maintenance)	21	21	\$40,034	\$47,099	\$54,163
Crew Leader I (Water)	21	21	\$40,034	\$47,099	\$54,163
Wastewater Plant Operator II	21	22	\$42,036	\$49,454	\$56,872
Cemetery Coordinator	20	21	\$40,034	\$47,099	\$54,163
Utility Worker II	19	19	\$36,312	\$42,720	\$49,128
Equipment Operator III	18	19	\$36,312	\$42,720	\$49,128
Wastewater Plant Operator I	18	19	\$36,312	\$42,720	\$49,128
Administrative Assistant	17	18	\$34,583	\$40,686	\$46,788
Administrative Assistant - Utilities	17	18	\$34,583	\$40,686	\$46,788
Equipment Operator II	16	17	\$32,936	\$38,748	\$44,560
Utility Worker I	16	17	\$32,936	\$38,748	\$44,560
Cemetery Equipment Operator	14	15	\$29,874	\$35,146	\$40,418
Equipment Operator I	14	15	\$29,874	\$35,146	\$40,418

3. SALARY ADMINISTRATION

Following are several key salary plan maintenance procedures.

A. ANNUAL PLAN UPDATE STEPS

1. Secure re-affirmation of the City's prevailing rate salary policy (at 100%? 95%?)
2. Obtain latest salary plans from the comparator agencies.
3. Compute the prevailing rate for each of the benchmark job classes.
4. Re-assign job classes to salary ranges most closely matching the prevailing rates.
5. Identify employees whose current salary is less than their job's new Minimum.
6. Compute the total amount of dollars, and percentage of current payroll, required to bring all employees to the Minimum of their new salary range.
7. Determine the amount required for in-range merit increases based on midpoint budgeting.
8. Provide information to the Council for budgeting purposes.
9. Obtain approved prevailing rate maintenance (PRM) budget from the Council.
10. Construct new merit increase guide commensurate with funding level.
11. Adjust departmental budgets on basis of employees' various compa-ratios.
12. Bring all salaries up to Minimum on the updated plan's effective date.

B. FLEXIBLE HIRING RATE

The Minimum of a salary range is not necessarily the hiring rate, as it is merely the mathematical extension of the salary range Midpoint. The City must utilize the entire salary range for recruitment purposes, reserving flexibility for a variety of recruitment situations, including scarcity of desired job skills, high qualifications of an applicant, or higher than Minimum salary demanded by a needed applicant.

C. MERIT INCREASES

In addition to making in-range adjustments based on time in job, the City could also develop and implement a merit pay structure. In order for a merit pay structure to be successful, the City would need to devote a significant amount of time and resources in order to develop useful metrics for evaluating employee performance. Managers would need to be trained in how to objectively measure these outputs, and employees would need to believe that they are being evaluated fairly. Additionally, the City would need to commit significant funds in order to truly differentiate between star performers, average performers, and low performers, with variable rates of at least five, three, and one percent.

ADDENDUM

POLICE, FIRE, AND COMMUNICATIONS RESURVEY 2019-20

In February of 2018, Public Sector Personnel Consultants completed a salary survey for the City of Taylor, Texas. PSPC recommended a new range on the permanent salary schedule for each General Service position based on available survey data. Civil Service personnel, however, operate on a step schedule. This step schedule is administered differently from the open range plan that is used for General Service employees. Because of the nature of step pay plans, the public safety industry in general, and continued issues related to recruiting and retention in public safety positions, PSPC was asked to complete an update to the 2018-19 survey that was reflective of the changes in a rapidly-moving marketplace. In order to complete the update, PSPC solicited pay plans from the approved comparator agencies. In instances where the comparator agency did not operate their own fire services, PSPC gathered pay plan information from the providing agency. In many instances, these were Emergency Service Districts. Williamson County was added as a comparator for dispatch positions only. The following is the list of comparators used for the survey update:

City of Austin, TX	City of Hutto, TX (Williamson County ESD #3)
City of Bastrop, TX	City of Kyle, TX (Hays County ESD #5)
City of Belton, TX	City of Lakeway (Travis County ESD #6)
City of Buda, TX (Hays County ESD #5 and #8)	City of Leander, TX
City of Cedar Park, TX	City of Lockhart, TX
City of Copperas Cove, TX	City of Pflugerville, TX (Travis County ESD#2)
City of Elgin, TX (Bastrop/Travis County ESD #1)	City of Round Rock, TX
City of Georgetown, TX	City of Temple, TX
City of Harker Heights, TX	County of Williamson, TX

In addition to comparisons at the midpoint, PSPC provided a year-by-year overlay for each Civil Service position, since many of the comparator organizations administer public safety pay on step plans as well. This was a useful tool in learning about how other organizations structure their pay plans and as a tool for understanding the City's relationship to the marketplace at different points of career progression. The results of the re-survey were presented to the Compensation Committee at an on-site meeting on March 3rd, 2020 where discussion was facilitated about common pay administration practices amongst the comparator organizations and how to improve Civil Service pay practices at the City of Taylor. PSPC presented nine different implementation models with differing amounts of time between steps and with differing relationships to the market. After careful discussion, the consensus among the group was to reduce the number of years between steps and to model out the cost for implementation at 90% and 95% of the market rate for each step. At a follow-up meeting on March 26, 2020, the Director of Finance presented the cost estimations for implementation at these rates. It was determined that based on the City's finances, the best course of action would be to adopt a multi-year implementation strategy, with the City coming in at 95% of the market the first year and working toward 100% of market rates of pay in subsequent years. The following are the recommended pay values for Civil Service positions:

Firefighter

	Base	Year 3	Year 6	Year 10	Year 15	Year 20
Taylor Current:	\$42,357	\$44,478	\$46,697	\$49,031	\$51,487	\$54,061

	Base	Year 3	Year 6	Year 9	Year 12	Year 15
Taylor Proposed:	\$47,871	\$52,350	\$55,879	\$59,506	\$63,062	\$66,301

Fire Driver/Operator

	Base	Year 5	Year 8	Year 12	Year 17	Year 22
Taylor Current:	\$49,570	\$52,047	\$54,648	\$57,380	\$60,255	\$63,267

	Base	Year 3	Year 6	Year 9	Year 12	Year 15
Taylor Proposed:	\$56,355	\$60,192	\$64,131	\$68,823	\$73,020	\$75,830

Fire Lieutenant

	Base	Year 5	Year 8	Year 11	Year 14	Year 18	Year 22
Taylor Current:	\$56,156	\$58,964	\$61,912	\$65,008	\$68,259	\$71,675	\$75,259

	Base	Year 3	Year 6	Year 9	Year 12	Year 15
Taylor Proposed:	\$63,847	\$68,046	\$72,671	\$77,578	\$81,688	\$84,208

Fire Captain

	-	-	-	-	-	-
Taylor Current:	N/A	N/A	N/A	N/A	N/A	N/A

	Base	Year 3	Year 6	Year 9	Year 12	Year 15
Taylor Proposed:	\$69,761	\$74,402	\$79,312	\$84,412	\$87,364	\$89,503

Police Officer

	Base	Year 3	Year 6	Year 10	Year 15	Year 20
Taylor Current:	\$52,836	\$52,836	\$55,477	\$58,252	\$61,166	\$64,224

	Base	Year 3	Year 6	Year 9	Year 12	Year 15
Taylor Proposed:	\$50,347	\$54,864	\$58,610	\$62,009	\$64,749	\$66,818

Police Corporal

	Base	Year 6	Year 10	Year 15	Year 20
Taylor Current:	\$56,888	\$59,732	\$62,717	\$65,852	\$69,145

	Base	Year 3	Year 6	Year 9	Year 12	Year 15
Taylor Proposed:	\$58,071	\$62,307	\$66,042	\$69,869	\$72,174	\$73,608

Police Sergeant

Base	Year 6	Year 10	Year 15	Year 20
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Taylor Current: \$62,247 \$65,360 \$68,628 \$72,060 \$75,661

Base	Year 3	Year 6	Year 9	Year 12	Year 15
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Taylor Proposed: \$65,795 \$69,751 \$73,474 \$77,728 \$79,599 \$80,398

Police Commander

Base	Year 15
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Taylor Current: \$90,407 \$94,928

Base	Year 3	Year 6	Year 9	Year 12	Year 15
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Taylor Proposed: \$92,836 \$99,807 \$105,645 \$109,778 \$112,908 \$114,373

Because of inconsistencies in the survey data for Police Corporal, the values for this position have been aligned to be in the middle of the Police Office and Police Sergeant ranks, for which there was reliable data. The inconsistencies in the survey data resulted from the fact that many of the comparator organizations do not have the Police Corporal rank. The few cities that do have this rank tend to be larger and provide greater levels of compensation, which skewed the results. The proposed values have been modeled to incentivize progression through the ranks by maintaining sufficient distance between the levels, a practice known as internal alignment. Survey data was also provided for the Fire Captain position. Although this position does not yet exist, the City may use this in the future should it decide to hire for this role. For Dispatch positions, the following recommendations have been made:

<u>Police Support</u>	<u>Current Range</u>	<u>Proposed Range</u>	<u>Min</u>	<u>Mid</u>	<u>Max</u>
Communications Supervisor	23	25	\$48,661	\$57,249	\$65,836
Communications Officer	18	21	\$40,034	\$47,099	\$54,163

In future years, the City of Taylor can work toward achieving 100% of the market rate of pay for each Civil Service position. It may be necessary to re-survey more frequently for Civil Service positions as opposed to General Service positions. When agencies apply Cost-of-Living adjustments using an open-range plan, they most often apply it to the salary and not to the range; for Civil Service positions, which are most commonly administered on a step plan, these COLA's are applied to the steps, and so the values for the range and the actual salaries change at the same time. With persistence and close attention to salary administration, it is our hope that the City of Taylor can continue in its goal to recruit, retain, and motivate its employee base.

City of Taylor, Texas



Compensation Study Discussion

May 14, 2020

Background on our Firm

- Public Sector Personnel Consultants
- 1,000 + public employers served throughout the United States
- 300 + municipal compensation plans
- 50 + in Texas, including cities of Killeen, Waco, Lakeway, Georgetown, Horseshoe Bay, Belton, Copperas Cove, Manor, Pflugerville, Marble Falls, Live Oak, Schertz

PSPC History with City of Taylor

- **FY 2016-17** – First salary survey completed
- **FY 2017-18** – Council adopts new salary schedule, places positions into market-sensitive ranges; spends 6.05% of payroll (\$386,121) to get everyone up to minimum of new range
- **FY 2018-19** – City provides 2% COLA and addresses pay compression within ranges. Employees receive 2% per year of service up to the midpoint; City reserves the remainder of the range for a merit/performance system.
- **FY 2019-20** – Salary and Survey update completed; no action taken on results; 3% COLA given to all employees
- **FY 2020-21** – Resurvey Police, Fire, and Dispatch positions; action pending

Approved Agencies for Comparison

- City of Austin
- City of Bastrop
- City of Belton
- City of Buda
- City of Cedar Park
- City of Copperas Cove
- City of Elgin
- City of Georgetown
- City of Harker Heights
- City of Hutto
- City of Kyle
- City of Leander
- City of Lockhart
- City of Pflugerville
- City of Round Rock
- City of Temple

-
- Also used private sector data where appropriate from Austin/Central TX Statistical Area
 - Responses received from all comparators
 - Comparators presented to council on 2/23/17 - have maintained the same market model
 - Criteria included geographic proximity, population
 - Cities with >50k population excluded from Director-level matches
 - Additional agencies for FY19-20 Police, Fire and Dispatch survey include: Williamson County ESD #5, Hays County ESD #2, #5, and #8, Travis County ESD #1, #2, and #6

Overall Survey Findings 2019-20

- Data was collected on 63/87 job titles (72% of jobs)
- Min-Max ranges are considered behind market for 26/63, or 41%, of jobs (<-5% of market midpoint)
- Min-Max ranges are considered competitive for 37/63, or 59%, of jobs (>-5% of market midpoint)
- New market-sensitive ranges proposed for all positions

Civil Service Re-Survey 2020-21

- Resurveyed Police, Fire, and Dispatch because they are on a step plan and in a highly competitive labor market; changes faster than general service/open range positions
- Met with City to discuss step structure/design, market rates of pay, how to work with limited budget
- Nine different models proposed using survey data; City selects based on ability-to-pay, is aware of market conditions and can set goals to get to 100% of market over time

Recommendations

- Adopt proposed range adjustments based on FY 2018-19 survey for all positions (detailed list of current to proposed can be found in the report)
- For Civil Service, adopt market-sensitive adjustments based on city's ability to pay
- Continue employee progression through the pay range; decide how to utilize the midpoint – maximum portion of the range
- Periodically reevaluate the ranges for general service employees to ensure competitiveness in the marketplace (every 3-4 years), Civil Service more frequently/as needed.

Desired Outcomes

- Reduce City turnover rate – has historically been very high, have seen improvement over the past few years
- Attract quality talent to the City
- Retain and motivate current employees
- Encourage career progression (Civil Service)
- Work within the City's financial means

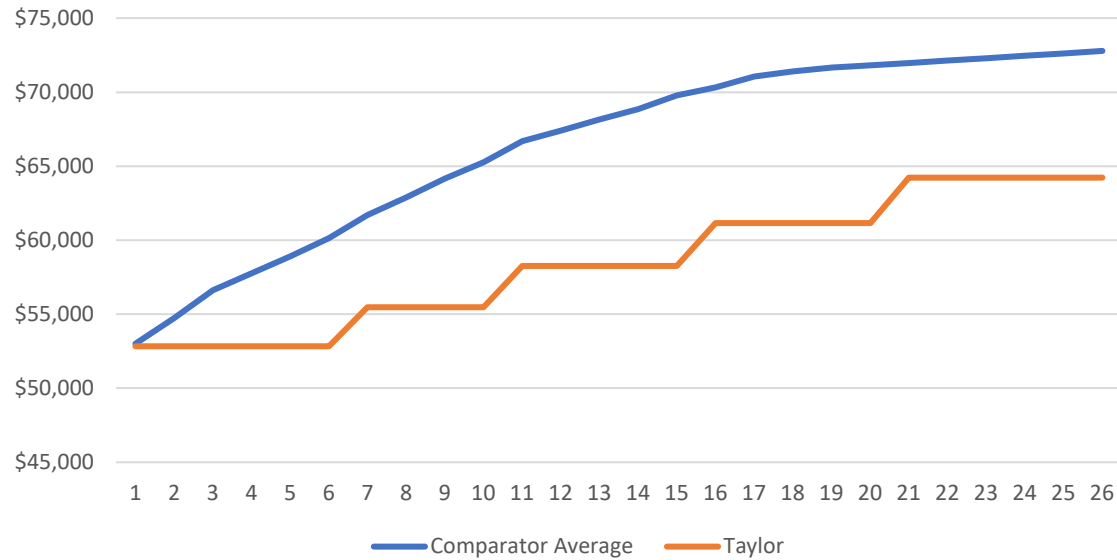
Summary

- Salary survey: 16 cities + private sector data
- Ranges have been updated for all General Service positions based on competitive market rates
- Police, Fire, and Dispatch positions re-surveyed; City provided with multiple implementation options depending on City's ability-to-pay
- City goal to “attract, motivate, engage, and retain employees”

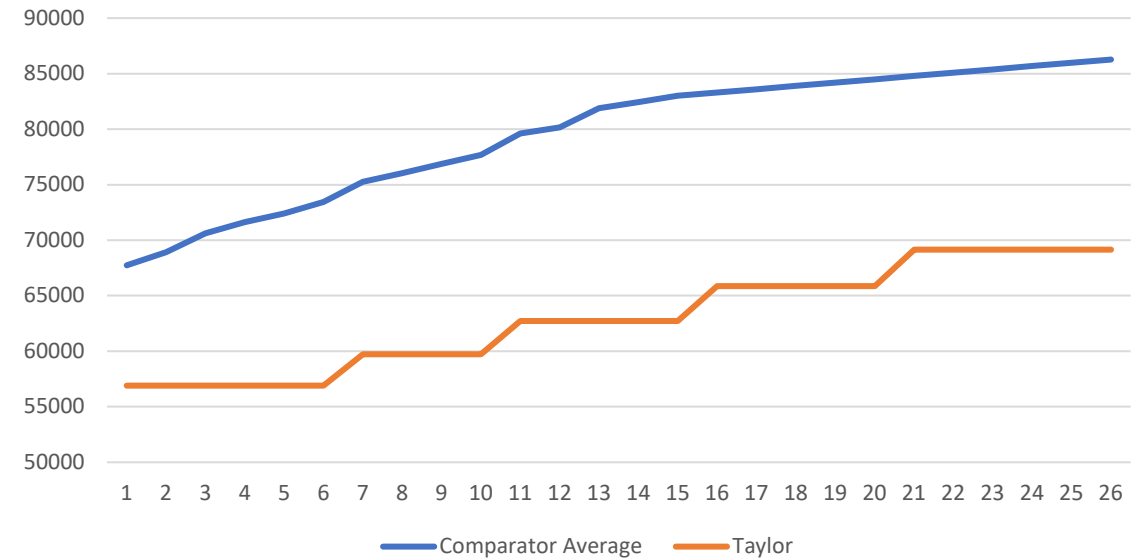
REVIEW

- Two Studies:
 - **February 2019**
 - Update Non-CS Minimum
 - CS Pay Increase by Position
 - **October 2019**
 - CS Pay Increase by Step
 - Three Options:
 - 100% of Market
 - 95%
 - 90%
 - October 2019 - Police Corporals
 - **Option 1 – Survey**
 - Small difference between CO and SGT – Small incentive to promote
 - **Option 2 – Middle of PO and SGT**
 - Maintain significant pay increase between CO and SGT
- 

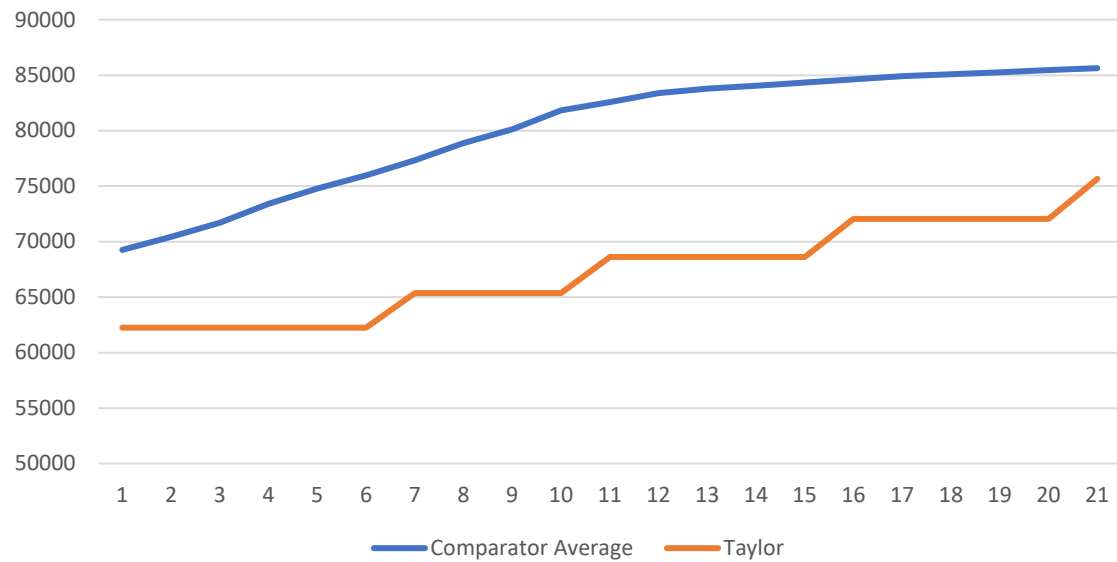
Police Officer



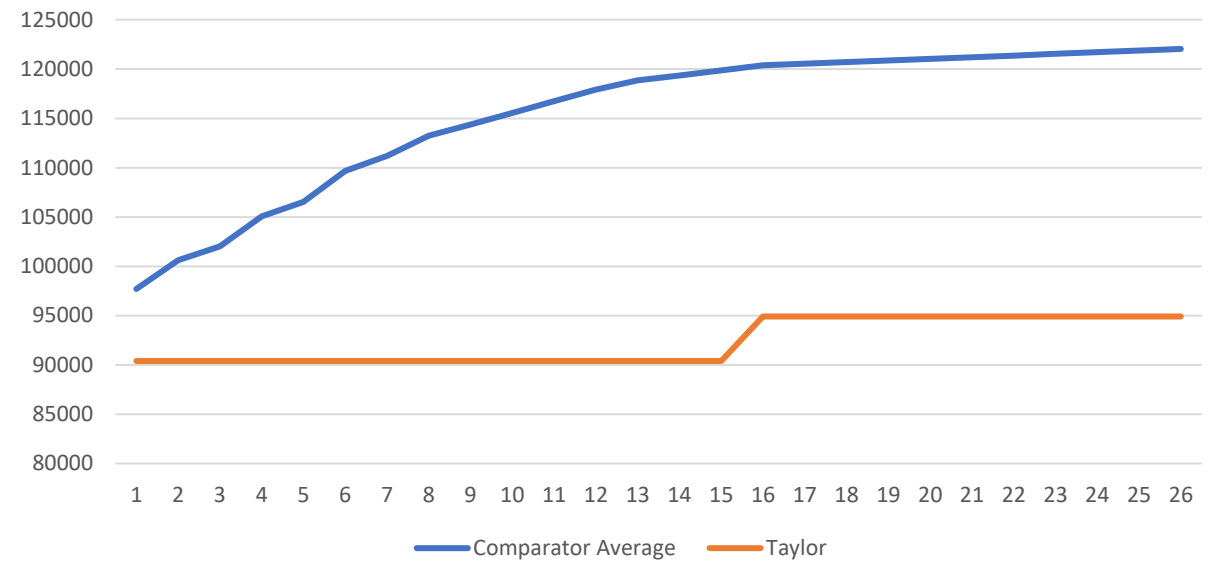
Police Corporal



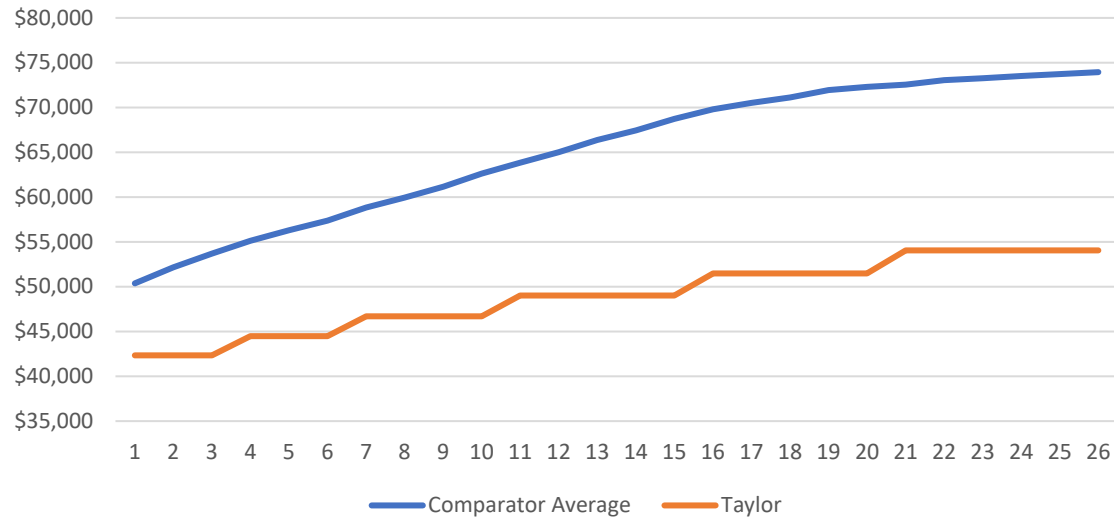
Police Sergeant



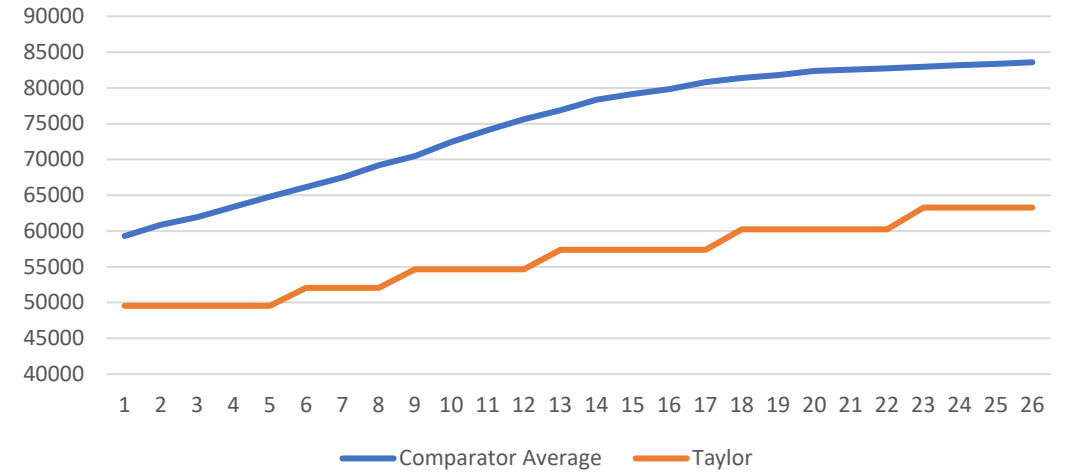
Police Commander



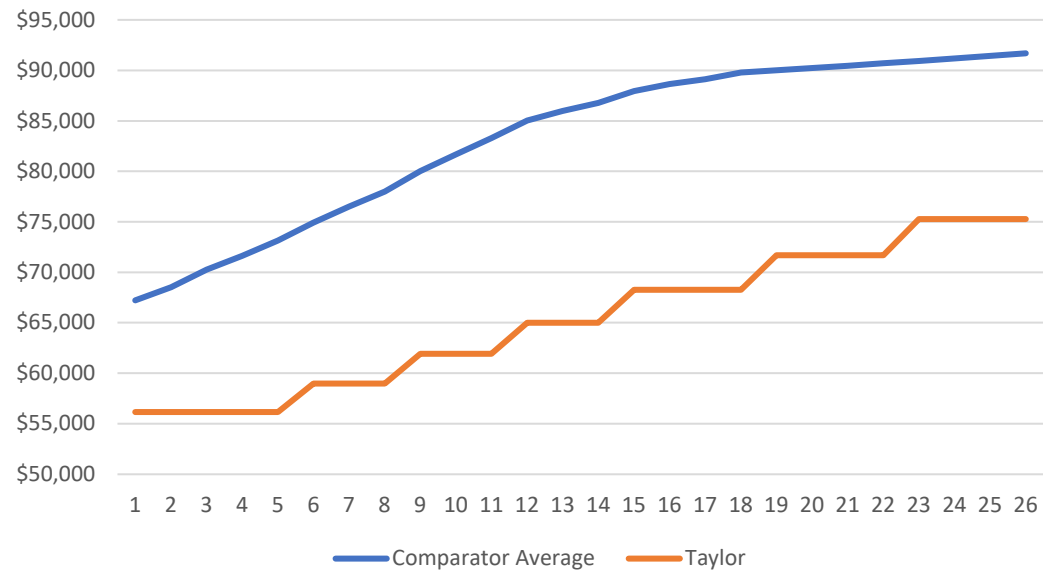
Firefighter



Fire Driver/Operator



Fire Lieutenant



WHAT DOES IMPLEMENTATION LOOK LIKE?

- Adjust step increases to every three years through year 15
- Target 95% of market rate for each step in each classification
- Multi-step approach to reach target rate
- Adjust select non-civil service positions to proper classification

Summary

	General Fund		
	Civil Service	Non-CS	Total
February 2019 Study	\$ 195,700	\$ 68,700	\$ 264,400
October 2019 Study - 90%	\$ 149,400	\$ 68,700	\$ 218,100
October 2019 Study - 95%	\$ 334,500	\$ 68,700	\$ 403,200
October 2019 Study - 100%	\$ 544,400	\$ 68,700	\$ 613,100

	2%	3%
Non-CS COLA	\$ 102,600	\$ 153,900



City Council Meeting May 14, 2020 Transmittal Letter

STRATEGIC PILLAR

- ☒ Streets/Infrastructure
- ☐ Quality of Life
- ☐ Economic Vitality

Agenda Item #: 9
Agenda Title: Receive presentation on Storyboard Map

Council Action to be taken: Receive presentation

Department Submitted: Communications Department

Staff Contact: Stacey Osborne, Communications Director
Jacob Walker, City Engineer, HDR Engineering
Thomas Brown, GIS Lead, HDR Engineering

1. PURPOSE/DESCRIPTION

The purpose of this agenda item is to update Council on current projects from the Communications Department and GIS team.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

HDR began GIS services for the City of Taylor in May 2018 including map requests, data organization, and updates for development services and public works. The GIS upgrades have allowed for the City staff, residents, developers, and others to access and utilize available City data remotely and interactively. The Story Mapping is providing a communication tool to showcase CIP projects and other projects around the City in an informative and intuitive application

3. PROS AND CONS

<u>PROS</u>	<u>CONS</u>
• Has organized previous data • Has given the City staff, residents, developers, and others the ability to navigate available GIS data independently and remotely • Has allowed for easy updates as GIS data is updated or changes	•

4. RECOMMENDATION

Receive update

5. FUNDING SOURCE

N/A

6. TIMELINE

- **June 2018:** initial GIS services with ad hoc mapping
- **January 2019:** GIS contract to clean & update datasets
- **June 2019:** WebMaps of Water, Wastewater & Zoning
- **November 2019:** Initial StoryMap contract to highlight CIP projects
- **February 2020:** GIS maintenance contract to update & maintain datasets
- **March 2020:** Interactive mapping application (final format)
- **April 2020:** GIS Open Data HUB allowing for the downloading of city maintained data
- **May 2020:** CIP StoryMap

7. OTHER OPTIONS (In order of preference)

N/A

8. ATTACHMENTS

9a. [Power Point Presentation](#)

CIP StoryMap Application

GIS Services supporting the City of Taylor & the community





01 **GIS Data Updates**

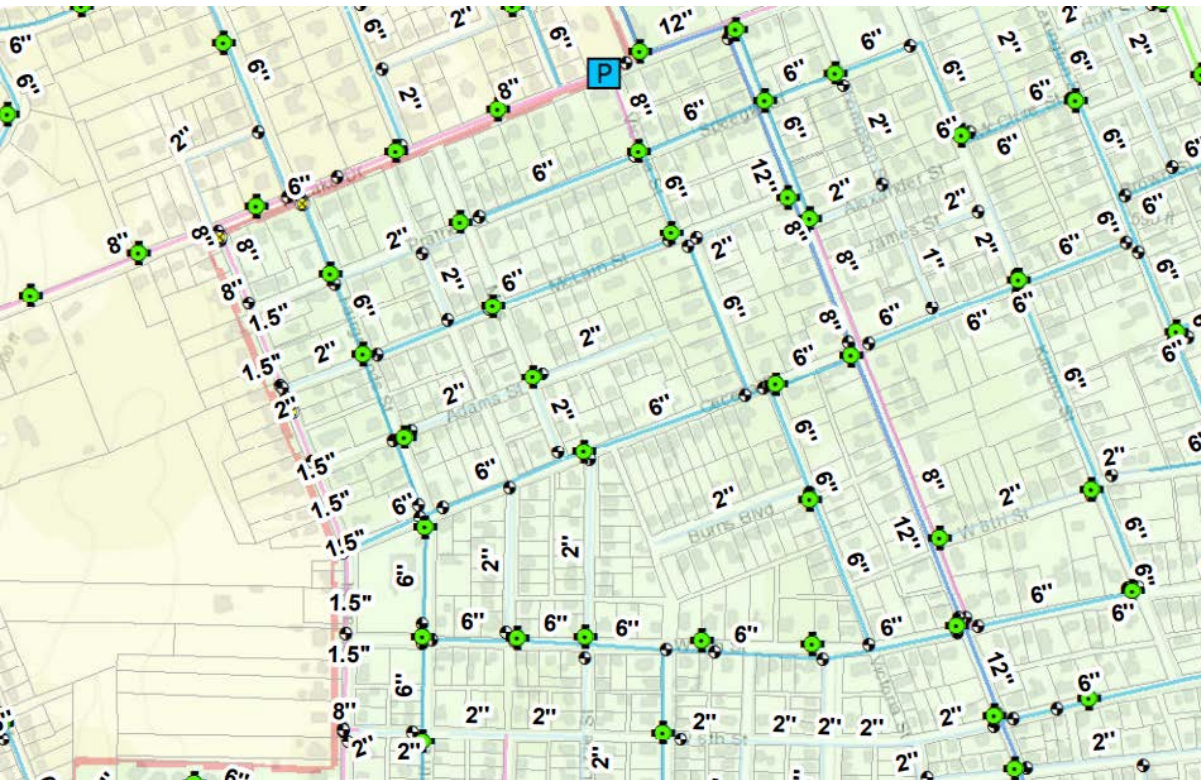
02 **Mapping & Applications**

03 **HUB/Open Data Application**

04 **CIP StoryMap with
Demonstration**

GIS Data updates

- 31 data sets
 - Water / Wastewater / Boundaries
- Incorporating authoritative data sources from outside organizations
 - Williamson County / CAPCOG / WC – Appraisal District



Timeline

- June 2018: initial GIS services with ad hoc mapping
- January 2019: GIS contract to clean & update datasets
- June 2019: WebMaps of Water, Wastewater & Zoning
- November 2019: Initial StoryMap contract to highlight CIP projects
- February 2020: GIS maintenance contract to update & maintain datasets
- March 2020: Interactive mapping application (final format)
- April 2020: GIS Open Data HUB allowing for the downloading of city maintained data
- May 2020: CIP StoryMap

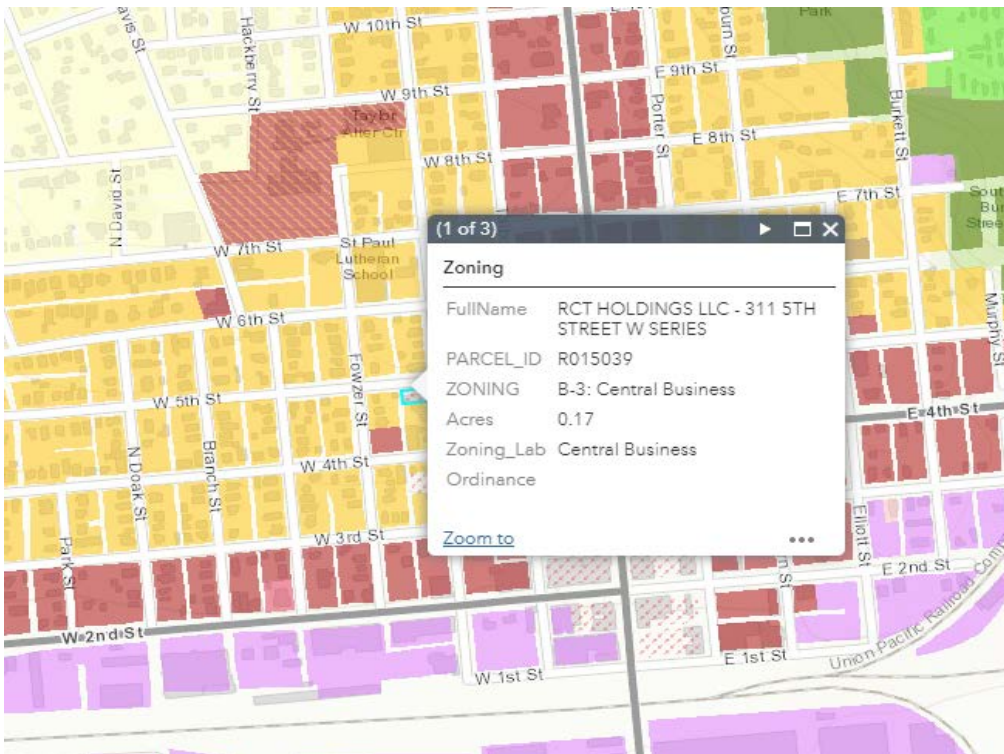
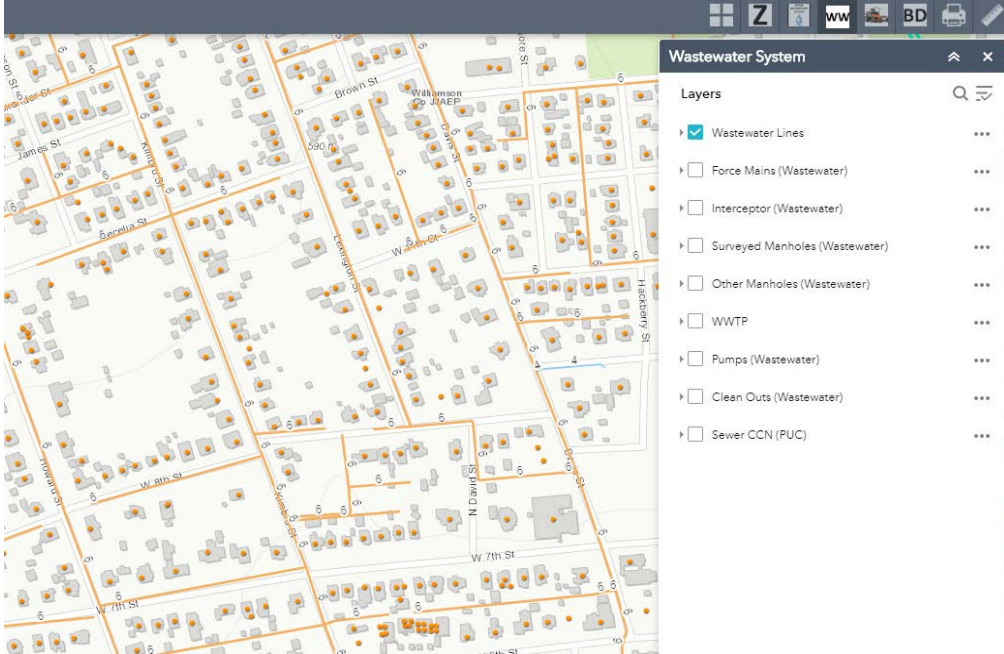
Mapping & Applications

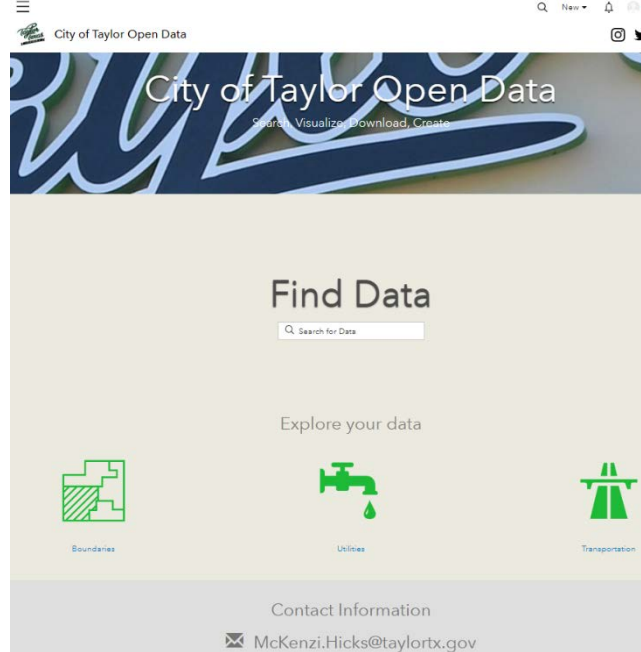
PDF Maps available online:

- Annexation
- City Council
- City Limits & ETJ
- Zoning
- Future Land Use
- Water
- Wastewater
- Thoroughfare Plan

Interactive Map

- Search by address
- Zoom in/out
- Turn data layers on/off



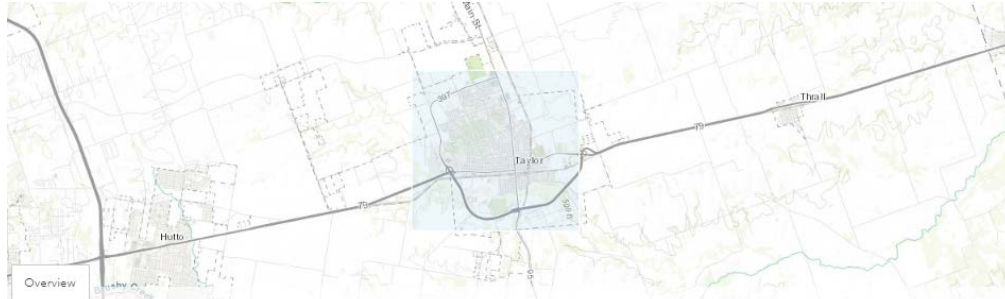


City of Taylor Open Data



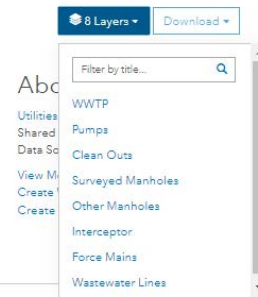
Wastewater Collection System View

Last updated 12 days ago



4/23/2020 Feature Service No license specified

There is no description available.



Open Data site

Search City Maintained datasets

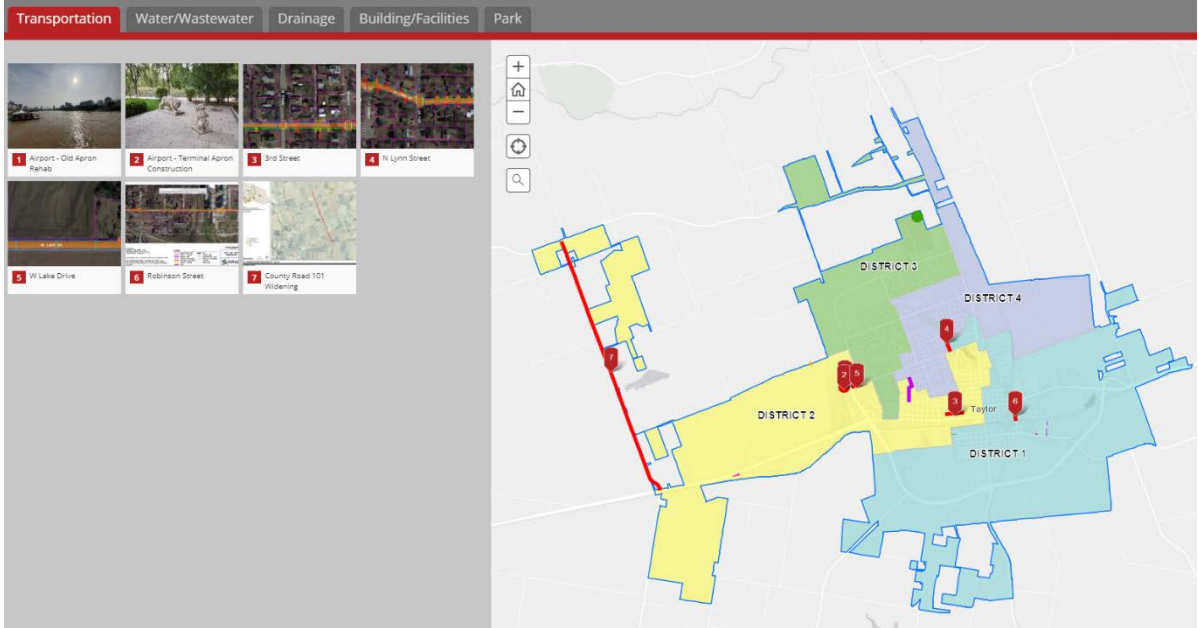
- Boundaries
- Utilities
- Transportation

Download options

- Spreadsheet
- KML
- Shapefile

Application Programming Interface (API) options

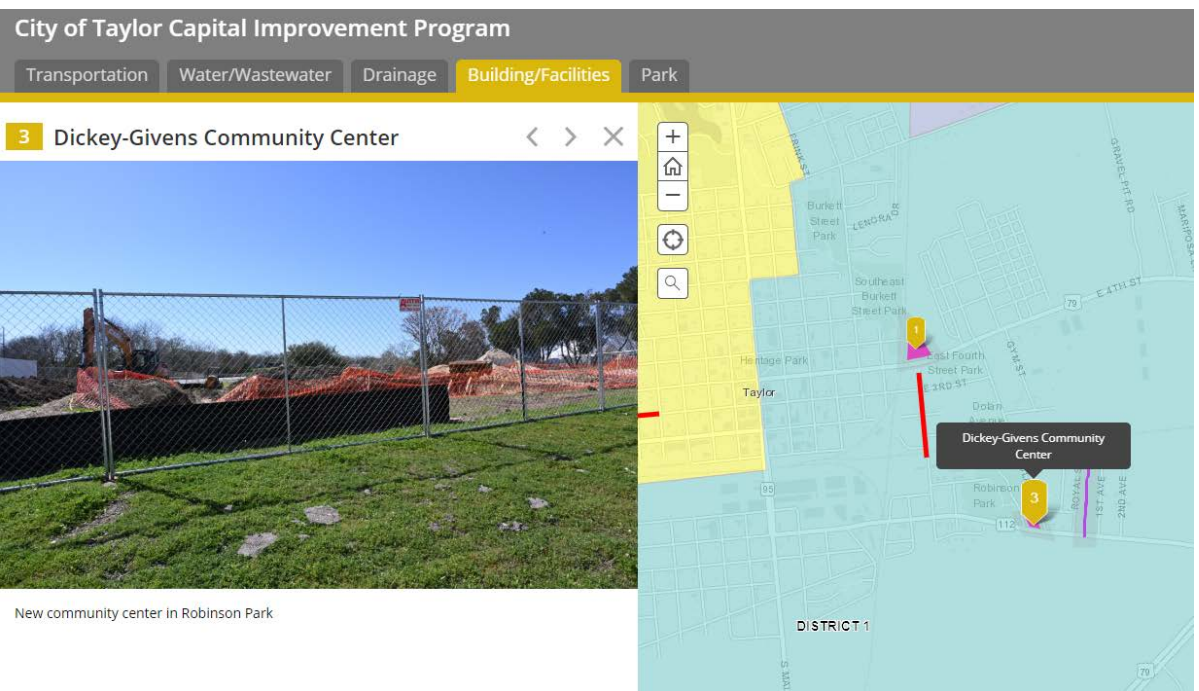
- GeoService
- GeoJSON



CIP StoryMap Application

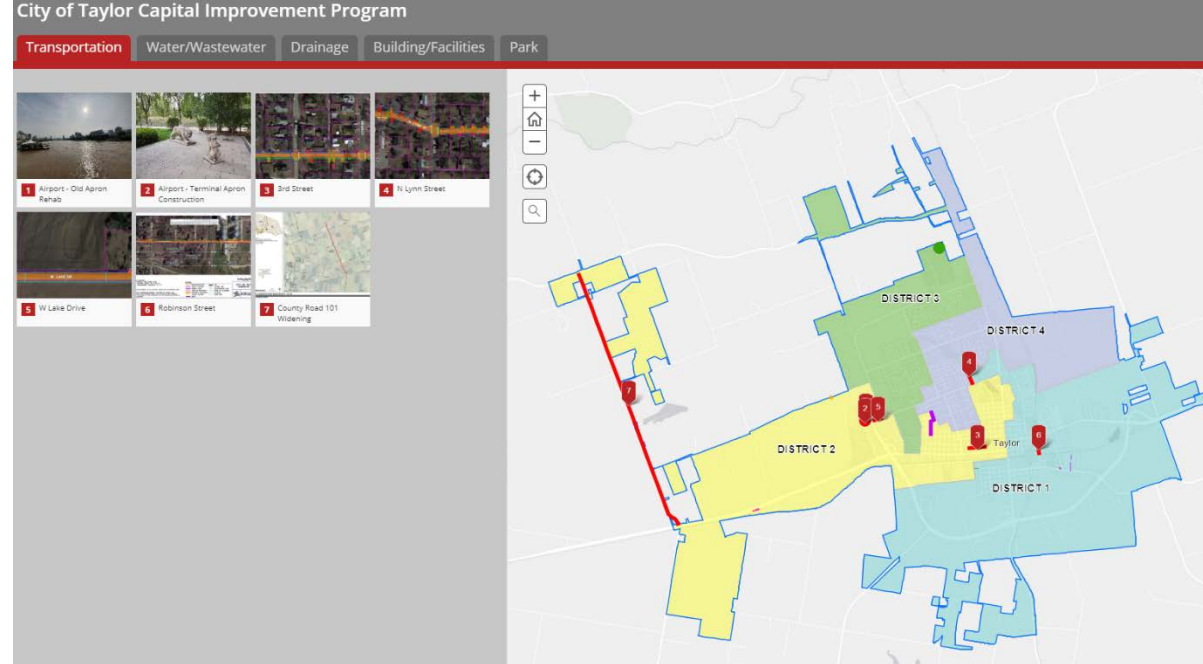
Projects categorized by type

- Transportation
- Water/Wastewater
- Drainage
- Building/Facilities
- Parks



Interactive Engagement

- Select by project type
- Project details with image



CIP StoryMap Demonstration



City Council Meeting ***May 14, 2020*** ***Transmittal Letter***

STRATEGIC PILLAR

- ☐ Streets/Infrastructure
- ☒ Quality of Life
- ☐ Economic Vitality

Agenda Item #: 10

Agenda Title: Receive presentation on draft update to the city website

Council Action to be taken: Receive presentation

Department Submitted: Communications

Staff Contact: Stacey Osborne, Communications Director

1. PURPOSE/DESCRIPTION

The purpose of this item is to show Council and the public the proposed design for the City's website update.

2. BACKGROUND / PRIOR COUNCIL ACTIONS TAKEN

In September 2019 the Communications Department approached Civic Plus, the company responsible for the design of the City's website and Content Management System, about the possibility of updating the design of the City's current website to make it more modern and easier to navigate. The company informed the department that our plan includes a free upgrade. The department formed a websites committee, and the City was assigned a Project Management Team at Civic Plus to guide the City through the redesign process. The committee has been working with the Project Management Team since October to upgrade the City's website with a more modern design.

3. STAFF ANALYSIS (How and Why)

The City formed a Website Committee made up of Deputy City Manager Jeff Jenkins, Library Director Karen Ellis, Communications Coordinator Kendra Dubee, Communications Director Stacey Osborne. The Website Committee worked with the Civic Plus Project Management Team to get the redesign process to the point where it is for tonight's presentation.

4. RECOMMENDATION

The Communications Department recommends that Council provided feedback on the Design Configuration, and approve moving forward with the launch with any desired amendments.

5. FUNDING SOURCE

N/A

6. TIMELINE

The Website Committee had a kickoff meeting with the Civic Plus Project Management Team on October 8, 2019 to go through the processes and procedures and agreed on a timeline with due dates for both parties that included the following phases:

Initiation (September 2019)

Analysis (October – November 2019)

Design & Configuration (December 2019 – March 2020)

Optimization (originally March – April 2020; now early May 2020)

Launch (originally end of April 2020; now end of May or early June 2020)

The committee was presented with a Design Configuration Preview on March 18, which is being presented today.

Once the Design Configuration is approved, the committee will schedule a Launch Confirmation meeting with the Project Management Team about three weeks after the approval to go through the final design, and the website will launch shortly afterwards.

7. OTHER OPTIONS (In order of preference)
--

N/A

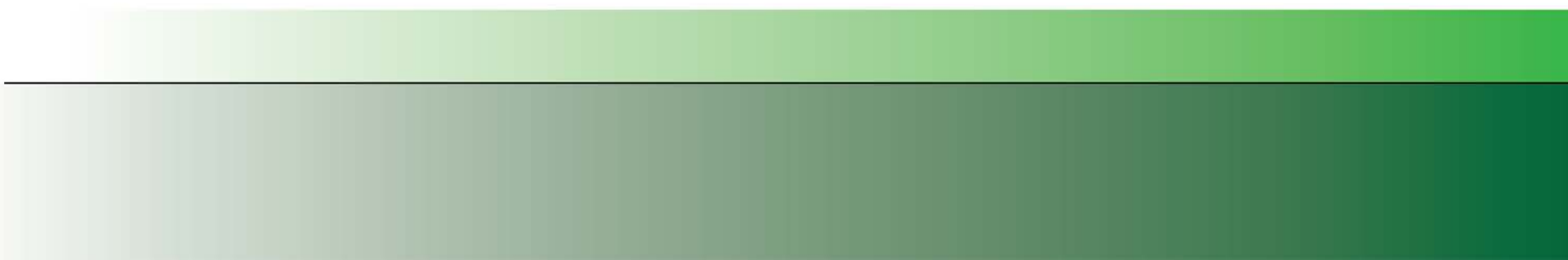
8. ATTACHMENTS

10a. [Power Point presentation](#)

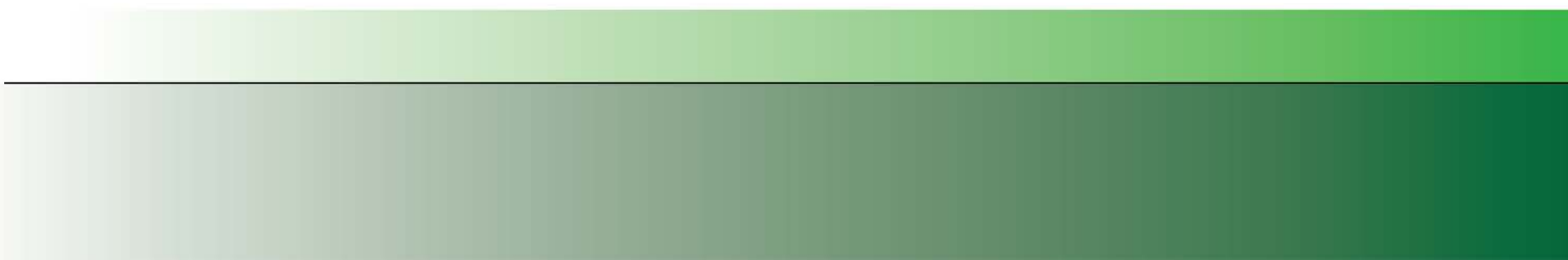


City Website Update

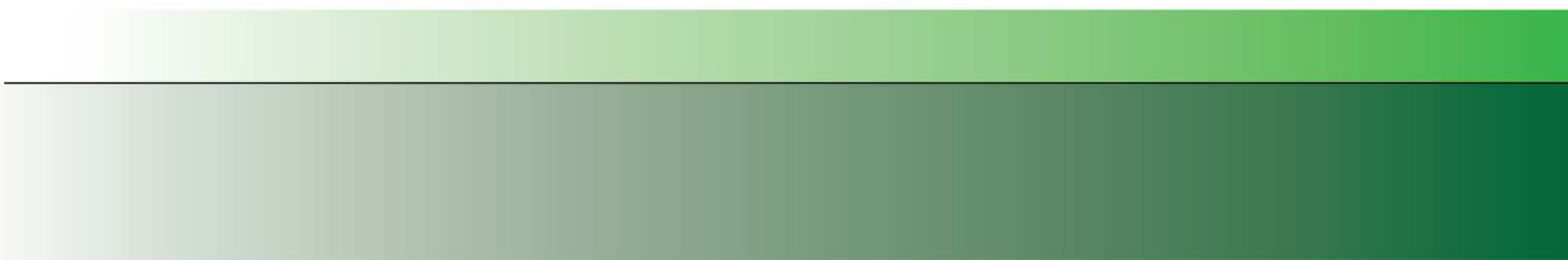
Background & Staff Analysis

- Current design: out of date and difficult to navigate
 - Plan with Civic Plus comes with a free upgrade
 - Started work on upgraded site in September 2019
 - Upgraded design ready for Council's review
- 
- A decorative horizontal bar at the bottom of the slide, featuring a green-to-dark-green gradient. A thin black line is positioned just above the bar, starting from the left edge and extending about two-thirds of the way across the slide width.

Website Committee

- Jeff Jenkins, Deputy City Manager
 - Karen Ellis, Library Director
 - Kendra Dubee, Communications Coordinator
 - Stacey Osborne, Communications Director
- 
- A decorative horizontal bar at the bottom of the slide, featuring a green-to-dark-green gradient.

Primary Design Requests

- More modern look and feel
 - Easier to navigate
 - Clean and easy to read
 - Incorporate our branding (logo and color scheme)
 - Incorporate user-friendly elements
 - Calendar
 - Featured news and information
 - Spotlight
- 
- A decorative horizontal bar at the bottom of the slide, consisting of a light green gradient bar on top and a darker green gradient bar on the bottom, separated by a thin black line.

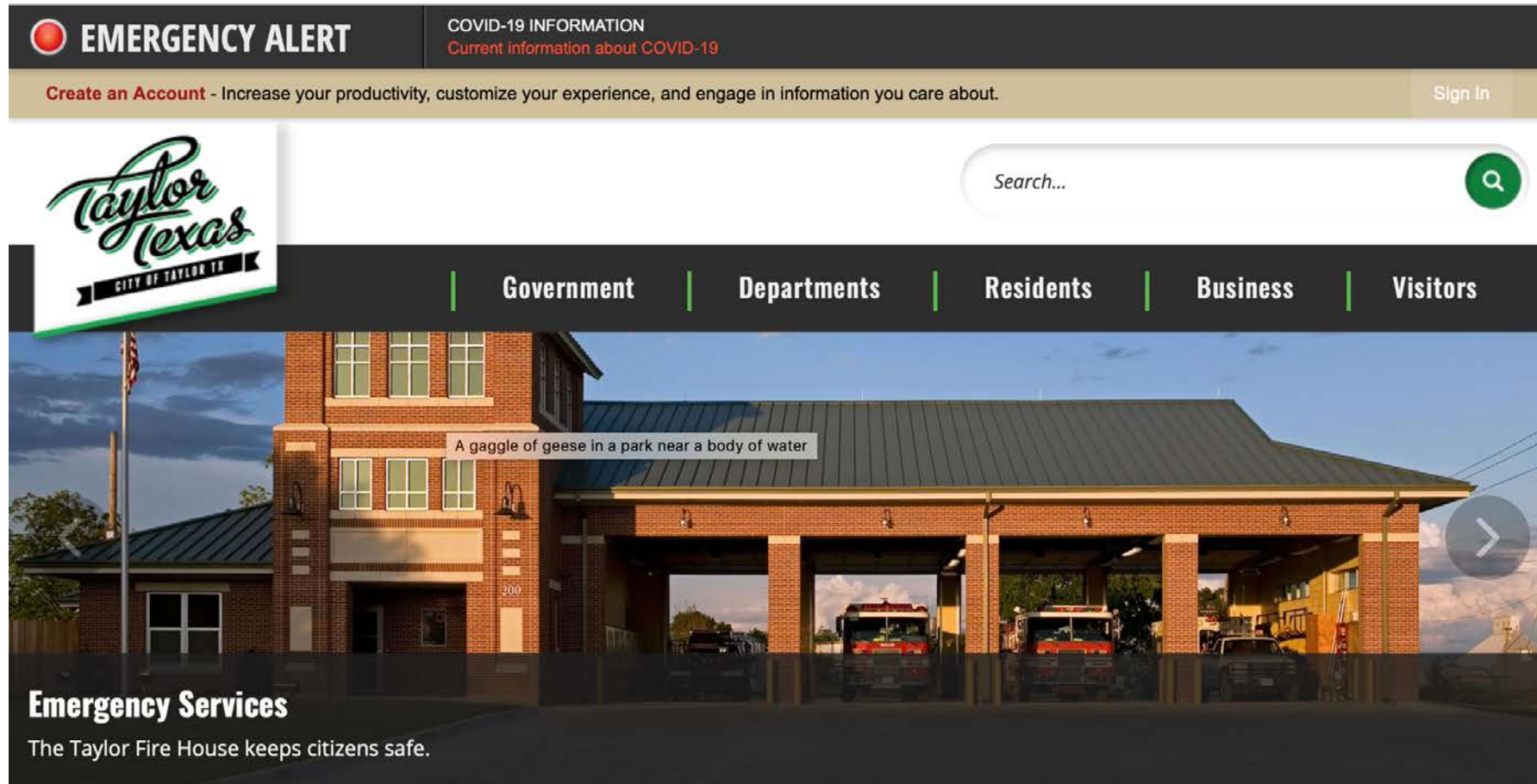
Design Proposal:

<http://tx-taylor.webflow.io>

- Mood Board
 - Colors
 - Style
 - Overall look and feel
 - Page Layouts
 - Basic elements included on each page
 - General layout
- 
- A decorative horizontal bar at the bottom of the slide, featuring a gradient from light green to dark green.

Homepage Preview

<https://www.ci.taylor.tx.us/996/Home---2020>



Interior Page Preview

<http://www.ci.taylor.tx.us/25/Library/?structureID=5&themeID=16&preview=true>

 **EMERGENCY ALERT**

COVID-19 INFORMATION
Current information about COVID-19

[Support the Library](#)
[Library Policies](#)
[History of the Library](#)
[Computers at the Library](#)
[Library Catalog](#)
[Useful Websites](#) ▶
[Renew Books Here](#)
[Kids' Section](#) ▶
[Local History](#)

Home › Departments › Library

Taylor Public Library

The Taylor Public Library will be closed until further notice due to the current health crisis.

All library programs have been suspended, including Storytime & Tax Assistance. Fines and fees during this period will be waived. The bookdrop will remain open for returns

...preserving yesterday, informing today, inspiring tomorrow...



Taylor Public Library April Poetry Contest

Contact Us



Karen Ellis
Library Director
[Email](#)
Phone: 512-352-3434
[More Information](#)

Public Library  Help

Physical  Select Language
801 Vance St.
Taylor, TX 76574

Before and After

Current Home Page

GIS/Maps

Watch live & archived meetings

Ordinances

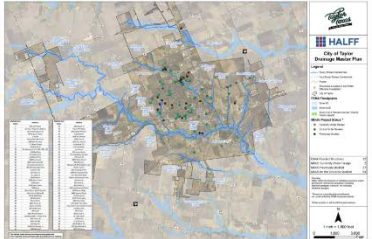
Tweets by @CityOfTaylor

Municipal Court is also experiencing technical problems with online payment at this time. Payments can be made by calling 512-352-5977 @ 8 am-2 pm or the dropbox @ Municipal Court. Please include with payment: name, citation#, driver license# or ID, phone number. <https://twitter.com/CityOfTaylor/status/1257308902560919553>

Taylor Tx @CityOfTaylor

Monday, May 4, update from Mayor Rydell. As of noon today, Williamson

CITY NEWS



City of Taylor Seeking Input from Residents for Drainage Master Plan

The City of Taylor has a history of flooding and erosion concerns due to inadequate drainage and increased urbanization. The City has contracted Halff Associates to prepare a Drainage Master Plan [Read on...](#)

CALENDAR

MAY 2020						
S	M	T	W	T	F	S
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

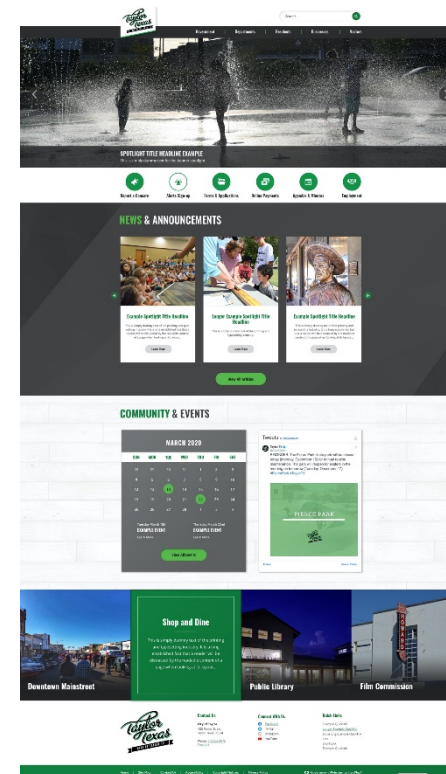
Tue, May 5
[ZBA Meeting](#)

Tue, May 12
[P&Z Meeting](#)

Thu, May 14
[May 14, 2020 City Council Meeting](#)

Thu, May 28

Redesigned Home Page



The redesigned website features a modern, clean layout with a dark header and a large hero image. The navigation bar includes links for Home, About, Services, and more. The main content area is divided into sections for News & Announcements, Community & Events, and a footer with contact information and social media links.

NEWS & ANNOUNCEMENTS

- Local Market This Week
- Local Market This Week
- Local Market This Week

COMMUNITY & EVENTS

- March 2020
- March 2020

Shop and Buy

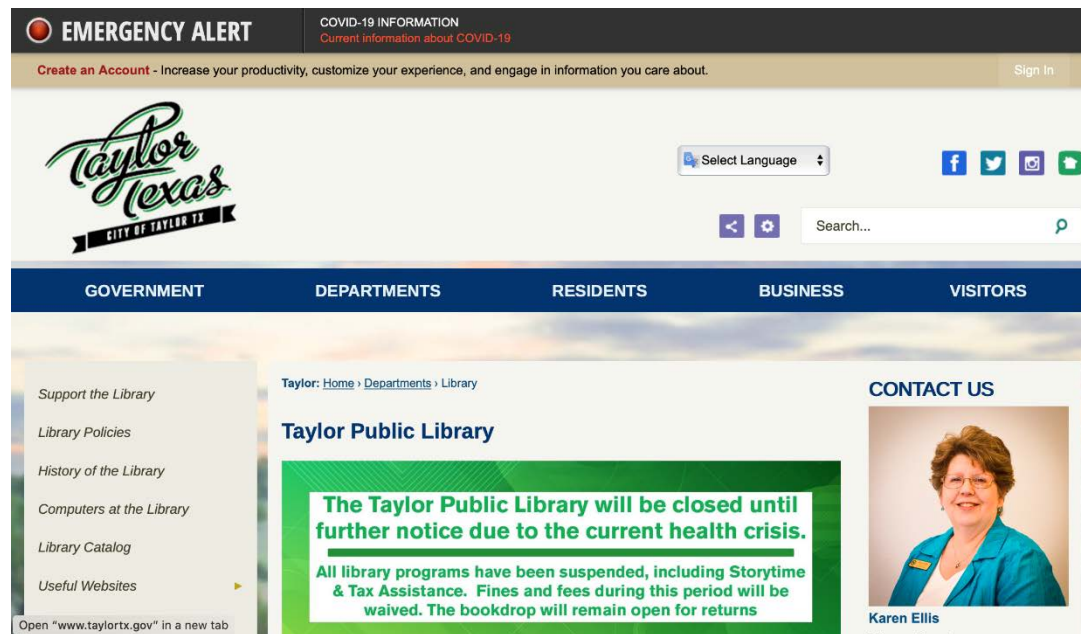
Downtown Mainstreet

Public Library

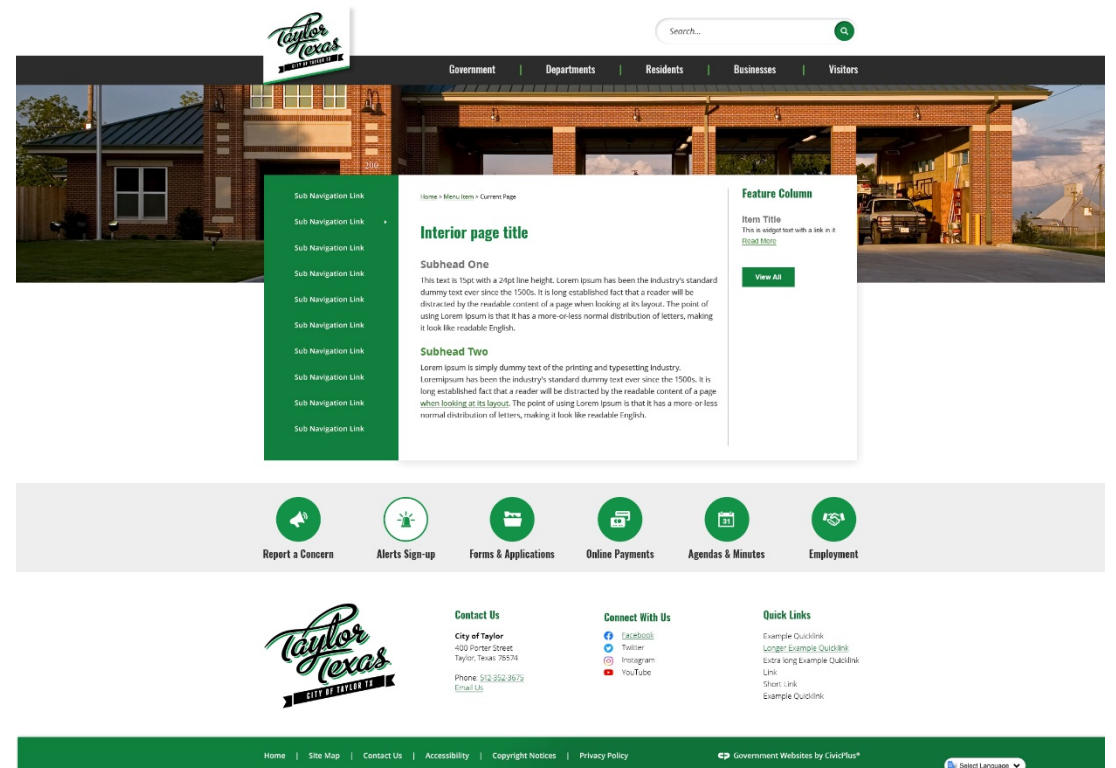
Film Commission

Before and After

Current Internal Page

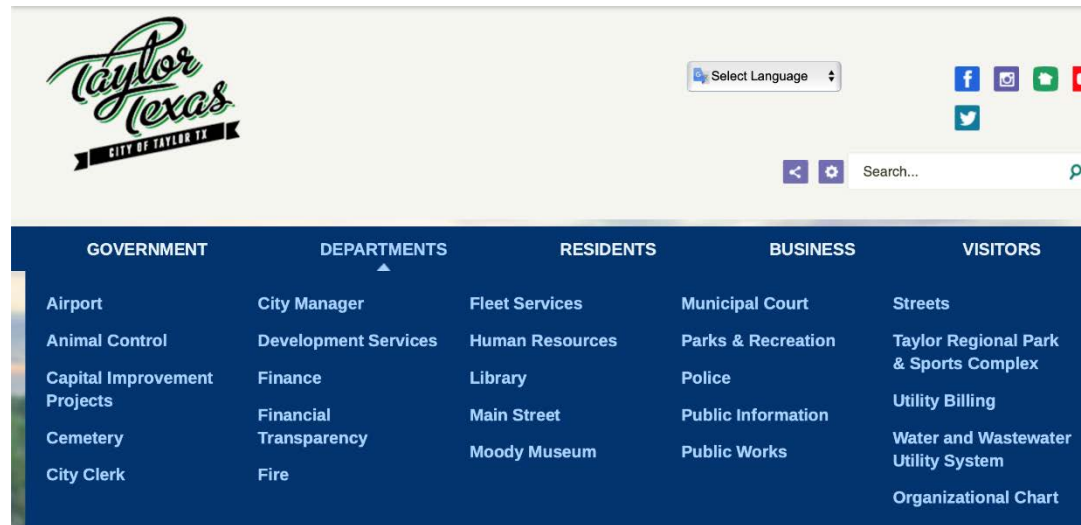


Redesigned Internal Page

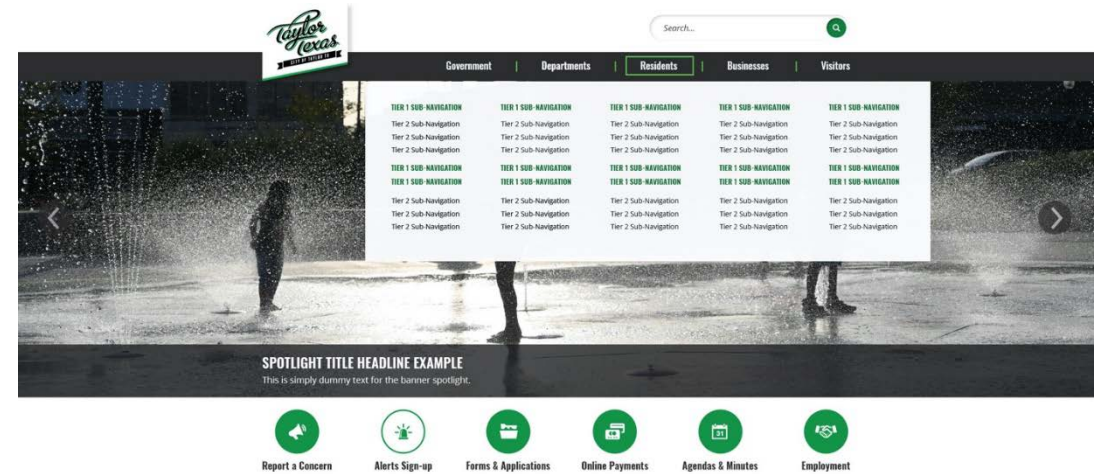


Before and After

Current Menu

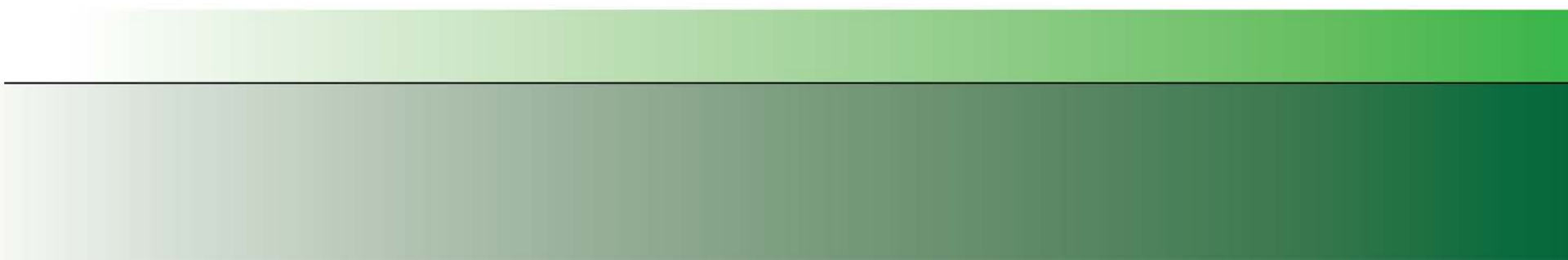


Redesigned Menu

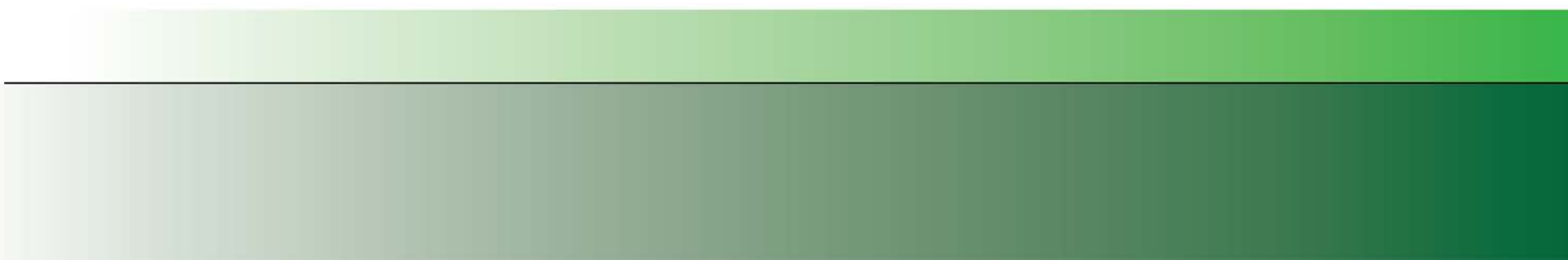


Recommendation

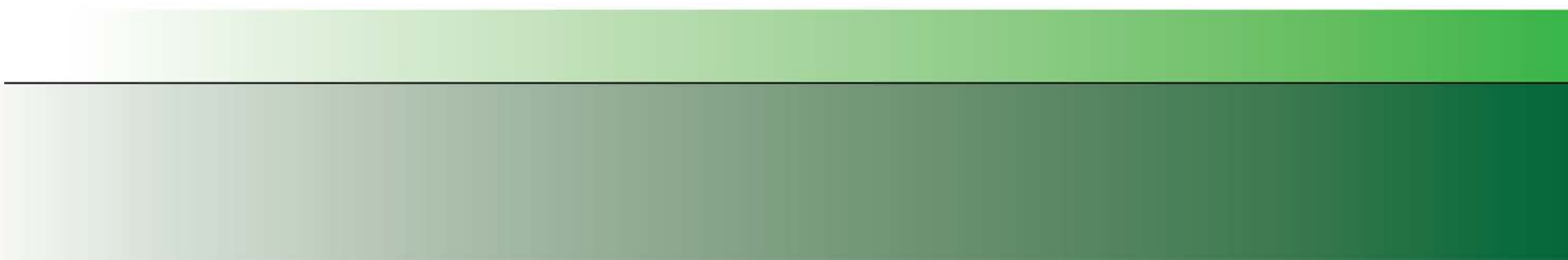
The Department recommends that Council provided feedback on the Design Configuration, and approve moving forward with the launch with any desired amendments.

A decorative horizontal bar at the bottom of the slide, consisting of a light green gradient bar on top and a darker green gradient bar on the bottom, separated by a thin black line.

Timeline

- Initiation (September 2019)
 - Analysis (October – November 2019)
 - Design & Configuration (December 2019 – March 2020)
 - Optimization
 - Launch (end of May or early June)
- 
- A decorative horizontal bar at the bottom of the slide, featuring a green-to-dark-green gradient.

Funding/Cost

- No charge for the upgrade
 - No change in monthly maintenance fee
 - Only one-time charge was for customized web banners (\$1578)
- 
- A decorative horizontal bar at the bottom of the slide, consisting of a light green gradient bar on top and a darker green gradient bar on the bottom, separated by a thin black line.



City Council Meeting May 14, 2020 Transmittal Letter

STRATEGIC PILLAR

- ☐ Streets/Infrastructure
- ☒ Quality of Life
- ☐ Economic Vitality

Agenda Item #: 11

Agenda Title: Receive, consider and take any appropriate action on an update on public health related matters and concerns pertaining to the Coronavirus Disease 2019 (COVID-19).

Council Action to be taken: Receive report and consider any recommended actions.

Department Submitted: Fire

Staff Contact: Daniel Baum, Fire Chief

1. PURPOSE/DESCRIPTION

The purpose of this agenda item is to provide Council with an update on the local response to the COVID-19 pandemic. National, county, and local level statistics and mitigation efforts will be discussed. Recommendations by the Williamson County and Cities Health District and/or Emergency Management community may be discussed for consideration.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

The Mayor of the City of Taylor issued a disaster declaration which is in effect until May 31, 2020 in response to the current COVID-19 pandemic. Williamson County issued a Stay at Home, Stay Safe order on March 24, 2020. The Stay at Home, Stay Safe order expired on April 30, 2020. Declared disasters currently exist at the local, county, and federal levels.

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>
N/A	N/A

4. RECOMMENDATION

Staff recommends receipt of report and consideration of potential recommended actions.

5. FUNDING SOURCE

N/A

6. TIMELINE

N/A

7. OTHER OPTIONS (In order of preference)
--

N/A

8. ATTACHMENTS

11a. Presentation will be provided prior to meeting to ensure current information.



City Council Meeting May 14, 2020 Transmittal Letter

STRATEGIC PILLAR

- ☒ Streets/Infrastructure
- ☐ Quality of Life
- ☐ Economic Vitality

Agenda Item #: 12

Agenda Title: Consider approving Resolution R 20-16,
authorizing an application to the Texas Water
Development Board for Flood and Drainage Improvements

Council Action to be taken: Approve Resolution

Department Submitted: Public Works

Staff Contact: Jeff Jenkins, Deputy City Manager

1. PURPOSE/DESCRIPTION

Consider the submission of an application to the Texas Water Development Board for a Flood and Drainage Improvement Project through the FIF Program.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

The City of Taylor has a history of flooding and erosion concerns due to inadequate drainage and increased urbanization. The City contracted with Halff Associates to prepare a Drainage Master Plan. As the Master Plan progresses, a new funding source has come available through the Texas Water Development Board (TWDB) called the Flood Infrastructure Fund (FIF).

Passed by the Legislature and approved by Texas voters through a constitutional amendment, the FIF program provides financial assistance in the form of zero interest loans and grants for flood control, flood mitigation and drainage projects.

Under the new program, Taylor qualifies for up to 15% grant for an infrastructure project. The competitive application process includes the "Flood Project Abridged Application" due June 15, 2020. The Abridged Application is basically a pre-application. With the submission of the Abridged Application in June, TWDB will then list the scores of the submitted applications in the Intended Use Plan (IUP) in August. TWDB will then start with the highest scoring projects and request full applications to be due usually within 3 months of the offer. The City, if offered to submit a full application, will have an opportunity to reassess the request and for what amount. With approval, the application will move to contract and closing. This process usually takes 6 months or more to finalize.

The TWDB have not identified a specific term for the repayment of the loan regarding number of years. They have stated that they will go up to 30 years based on the life term of the facilities proposed and amount requested.

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>
• Some Grant Funds with 0% interest loan for the remainder • Funds specifically the types of projects that are needed in the City and have initially been identified.	• Most of the funding will be a loan • Will have to finalize how we will pay back loan through MDUS or Certificate of Obligation

4. RECOMMENDATION

Approve submission of the Abridged Application for the FIF by approving Resolution R20-16

5. FUNDING SOURCE

Repayment of loan will have to be fully developed. At this time the best sources of revenue to pay for the loan portion will be from additional MDUS funding or through a certificate of obligation.

6. TIMELINE

June 15, 2020 submission date

7. OTHER OPTIONS (In order of preference)

N/A

8. ATTACHMENTS

12a. [Resolution R20-16 approval of submission of the Abridged application.](#)

RESOLUTION R20-16

A RESOLUTION OF THE CITY OF TAYLOR CITY COUNCIL AUTHORIZING THE SUBMISSION OF AN APPLICATION(S) TO THE TEXAS WATER DEVELOPMENT BOARD FOR FLOOD AND DRAINAGE IMPROVEMENTS BASED ON THE 2021 TWDB INTENDED USE PLAN AND AUTHORIZING THE CITY MANAGER TO ACT AS THE CITY'S AUTHORIZED REPRESENTATIVE IN ALL MATTERS PERTAINING TO THE PARTICIPATION IN THE TEXAS WATER DEVELOPMENT BOARD PROGRAMS.

WHEREAS, the City of Taylor has a history of flooding and erosion concerns due to inadequate drainage and increased urbanization; and

WHEREAS, the Taylor City Council desires to develop a safe, viable community including an improved drainage system; and

WHEREAS, it is necessary and in the best interests of the City of Taylor to apply for funding under the Texas Water Development Board Flood Infrastructure Fund (FIF); and

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF TAYLOR, TEXAS:

1. That a Texas Water Development Board application for flood and drainage improvements through the Texas Water Development Board Flood Infrastructure Fund (FIF) Program.
2. That the application(s) be to provide needed flood and drainage system improvements.
3. That the Taylor City Council designates the Mayor and/or City Manager as the Authorized Representative to act in all matters pertaining to this application(s) and the participation in the Texas Water Development Board programs.
4. That all funds will be used in accordance with all applicable federal, state, local and programmatic requirements including but not limited to procurement, environmental review, labor standards, real property acquisition and civil rights requirements.

PASSED AND APPROVED THIS THE 14th day of May, 2020.

Brandt Rydell, Mayor

ATTEST:

Dianna Barker, City Clerk