

CITY COUNCIL REGULAR MEETING AGENDA

3805 ADAM GRUBB LAKE WORTH, TEXAS 76135 TUESDAY, NOVEMBER 12, 2019

CITY COUNCIL REGULAR MEETING: 6:45 PM

Held in the City Council Chambers

A. CALL TO ORDER

A.1 INVOCATION AND PLEDGE OF ALLEGIANCE

A.2 ROLL CALL

A.3 SPECIAL PRESENTATION(S) AND RECOGNITION(S)

- 1. Presentation Alliance for Children.
- Parks and Open Space Master Plan Evaluation for the City of Lake Worth presented by the University of Texas at Arlington CAPPA Department of Public Affairs - Fall 2019.

A.4 CITIZENS PRESENTATION / VISITOR COMMENTS

The City Council is always pleased to have citizens attend its meetings and welcomes comments during the Citizen/Visitor Comments section of the meeting; however, pursuant to the Texas Open Meetings Act, Council cannot deliberate or vote on issues not posted on the agenda. Therefore, those types of items must be posted 72 hours prior to the City Council meeting. If it is not posted, no deliberation between Council members may occur; Council may only respond with specific factual information or recite existing policy. Pursuant to Section 551.007 of the Texas Government Code, citizens wishing to address the Council for items listed as public hearings will be recognized when the public hearing is opened. For citizens wishing to speak on a non-public hearing item, they may either address the Council during the Citizen Comments portion of the meeting or when the item is considered by the City Council. Negative or disparaging remarks about City personnel will not be tolerated. If you wish to address the Council, speakers are requested to fill out a "Public Meeting Appearance Card" and present it to the City Secretary, prior to the presiding officer calling the meeting to order. Comments will be limited to three (3) minutes per speaker and (6) minutes for those with a translator.

A.5 REMOVAL OF ITEM(S) FROM CONSENT AGENDA

B. CONSIDER APPROVAL OF CONSENT AGENDA ITEMS

- B.1 Approve the minutes of the October 7, 2019 Regular City Council meeting.
- B.2 Approve Resolution No. 2019-22, updating the job description for Professional Standards Officer and changing the title to Training Coordinator.
- B.3 Approve the appointment of Mike Shelley, Voting Member and Stacey Almond, Alternate Member to the Wholesale Water and Wastewater Customer Advisory Committee through September 30, 2020.
- B.4 Approve finance reports for the month of October 2019.

C. PLANNING AND DEVELOPMENT

- C.1 Discuss and consider a waiver from Ordinance No. 826, Design Criteria and Construction Standards, Section XIII - Drainage and Storm Sewer, B. Hydrology, 4. Runoff Calculations.
- C.2 Discuss and consider a Utilities and Stormwater Facilities Maintenance Agreement with Correll Development Group for the Lakeview Heights Addition.

D. PUBLIC HEARINGS

- D.1 Public Hearing to consider Planning & Zoning Case No. PZ-2019-20, a proposed preliminary plat being all of a 10.58-acre tract of land known as Abstract 188, Tract 2CC, John Breeding Survey, of the records of Tarrant County, Texas. The proposed preliminary plat's new legal description will be Block 2, Lot 1, Lakeview Heights Subdivision, which will generally be described as 6835 Sunview Drive, Lake Worth, Texas upon platting. (ITEM WAS TABLED AT THE OCTOBER 7, 2019 CITY COUNCIL MEETING; PLANNING AND ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 7-0)
- D.2 Public Hearing to consider Ordinance No. 1173, Planning & Zoning Case No. PZ-2019-21, regarding an Ordinance amending Ordinance No. 500, the Comprehensive Zoning Ordinance of the City of Lake Worth, so as to consider a site plan for the Age Restricted Senior Living Community an approximately 10.58-acre tract of land, currently legally known as Abstract 188, Tract 2CC, John Breeding Survey, Tarrant County, Texas, being that all of the certain called 10.58-acre parcel of land, which when platted will be Block 2, Lot 1, Lakeview Heights Subdivision recorded in the deed records of Tarrant County, Texas, by amending the Official Zoning Map to reflect such change. The property to be considered is generally described as a 10.58-acre parcel of land which will be commonly known as 6835 Sunview Drive, Lake Worth, Texas. (ITEM WAS TABLED AT THE OCTOBER 7, 2019 CITY COUNCIL MEETING; PLANNING AND ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 7-0)
- D.3 Public Hearing to consider Ordinance No. 1174, Planning and Zoning Case No. PZ-2019-24, an Ordinance, amending Ordinance No. 802, so as to consider a site plan amendment of an approximate 1.45-acre parcel of land, legally known as Block 1, Lot 8, Lake Worth Towne Crossing Addition, Lake Worth, Tarrant County, Texas, being that all of the certain called 1.45-acre parcel of land recorded in the deed records of Tarrant County, Texas. The property to be considered is generally described as a 1.45-acre parcel of land located 6632 Lake Worth Blvd., Lake

Worth, Texas. (PLANNING AND ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 7-0)

- D.4 Public Hearing to consider Ordinance No. 1175, Planning & Zoning Case No. PZ-2019-25, an Ordinance amending Ordinance No. 849, so as to consider a site plan amendment of an approximate 12.33-acre parcel of land, legally known as Lot 1, Home Depot Lake Worth Addition, Lake Worth, Tarrant County, Texas, being that all of the certain called 12.33-acre parcel of land recorded in the deed records of Tarrant County, Texas. The property to be considered is generally described as a 12.33-acre parcel of land located 3950 Jim Wright Freeway, Lake Worth, Texas. (PLANNING AND ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 7-0)
- D.5 Public Hearing to consider Ordinance No. 1176, Planning & Zoning Case No. PZ-2019-26, an Ordinance amending Ordinance No. 500, the Comprehensive Zoning Ordinance of the City of Lake Worth, so as to consider a land use designation and development plan of an approximately 1.26-acre parcel of land, legally known as Block 4, Lot 2-R1, Broadview West Addition, Tarrant County, Texas, being that all of the certain called 1.26-acre parcel of land recorded in the deed records of Tarrant County, Texas, by amending the Official Zoning Map to reflect such change. The property to be considered is generally described as a 1.26-acre parcel of land located at 6116 Lake Worth Blvd., Lake Worth, Texas. (PLANNING AND ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 7-0)

E. PUBLIC WORKS - no items for this category.

F. GENERAL ITEMS

- F.1 Discuss and consider award of contracts for employee group medical and dental insurance with Blue Cross Blue Shield (BCBS), group vision insurance with Superior, basic life/AD&D group insurance with Dearborn, New Benefits, and Employee Assistance Program for calendar year 2020 as presented and authorize the City Manager to execute the contract documents.
- F.2 Discuss and consider continued participation in the cost of employee dependent health insurance coverage at the current rate of 30%.
- F.3 Discuss and consider the purchase of two (2) medical cardiac monitors from Zoll Medical Corporation and authorize the City Manager to execute the contract.
- F.4 Discuss and consider Resolution No. 2019-23, creating job descriptions for the Police Commander Support Services, Police Commander Field Operations, and revising the Property and Evidence Technician job description.
- F.5 Discuss and consider changes to the City of Lake Worth Organizational Chart for the Police Department and City of Lake Worth Employee Pay Plan D.
- F.6 Discuss and consider Resolution No. 2019-24, casting the City of Lake Worth allocated votes for the Tarrant Appraisal District (TAD) Board of Directors.
- F.7 Discuss and receive an update on fuel inventory variances.
- F.8 Discuss and consider Resolution No. 2019-25, appointing members to the Planning & Zoning Commission.

G. TxDOT UPDATE(S)

G.1 Discuss and receive feedback on the TxDOT - SH 199 Project.

H. MAYOR AND COUNCIL ITEMS(S)

H.1 Update on Tarrant County Mayor's Council by Mayor Walter Bowen

I. EXECUTIVE SESSION

The City Council may enter into closed Executive Session as authorized by Chapter 551, Texas Government Code. Executive Session may be held at the end of the Regular Session or at any time during the meeting that a need arises for the City Council to seek advice from the city attorney (551.071) as to the posted subject matter of this City Council meeting.

The City Council may confer privately with its attorney to seek legal advice on any matter listed on the agenda or on any matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with Chapter 551, Texas Government Code.

- I.1 Pursuant to Section 551.074: Personnel matters to deliberate the employment, evaluation, and duties of public employee Chief of Police
- J. EXECUTIVE SESSION ITEMS CITY COUNCIL MAY TAKE ACTION ON ANY ITEMS DISCUSSED IN EXECUTIVE SESSION LISTED ON THE AGENDA.

K. ADJOURNMENT

Certification

I do hereby certify that the above notice of the meeting of the Lake Worth City Council was posted on the bulletin board of City Hall, 3805 Adam Grubb, City of Lake Worth Texas in compliance with Chapter 551, Texas Government Code on .

City Secretary		

This facility is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpretive services must be made 48 hours prior to this meeting. Please contact the City Secretary's Office at (817) 237-1211 ext. 105 for further information.

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. 1.

FROM: J.T. Manoushagian, Interim Chief of Police

ITEM: Presentation - Alliance for Children.

SUMMARY:

The Lake Worth Police Department is pleased to partner with Alliance for Children and provide funding for FY 2020. In partnership with eight (8) other cities in Northwest Tarrant County, this partnership helps support the operational and programmatic expense at the Northwest Alliance for Children Center.

LWPD's support helps ensure that Alliance for Children can provide services at no cost to families. Shellie McMillon, Chief Program Officer and Director of Community Engagement, will be on hand to accept the donation from Interim Chief Manoushagian.

FISCAL IMPACT:

\$2,500 - budgeted Child Safety Fund expense

RECOMMENDED MOTION OR ACTION:

No action required.

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. 2.

FROM: Stacey Almond, City Manager

ITEM: Parks and Open Space Master Plan Evaluation for the City of Lake Worth

presented by the University of Texas at Arlington CAPPA Department of Public

Affairs - Fall 2019.

SUMMARY:

The City of Lake Worth reached out to the University of Texas at Arlington's CAPPA Department of Public Affairs to help determine the feasibility of implementing the master park plan and developing a park and recreation department. For over last three months the Capstone professionals, worked on Phase II of the project, addressing the findings of the spring session and establishing the "cost of doing business" which included the following goals and objectives:

- 1. Determine the anticipated economic development impact (cost-benefit) of the master park plan.
- 2. Prepare a survey of area cities and their "cost of use of facilities" (fee structure) to document the anticipated "return on investment" (ROI).
- 3. Draft recommendations for a regional marketing plan to promote the new park amenities
- 4. Work with city staff to determine the feasibility of resurveying current users of Lake Worth park facilities.
- 5. Prepare and present recommendations to the Lake Worth City Council.

FISCAL IMPACT:

N/A

ATTACHMENTS:

LW Parks Project - Capstone Phase II

RECOMMENDED MOTION OR ACTION:

This item is for presentation and feedback only. No formal vote or motion is necessary.

Parks Master Plan Update for the City of Lake Worth

UTA PUBLIC ADMINISTRATION CAPSTONE 2019

Xavier Adams

Lance Powers

Kathleen Rojas

Aly Sauceda

Cecilia Ventura



Presentation Plan

- 1. Introduction
- 2. Tasks of this project.
- 3. Return on Investment (ROI)
- 4. Economic Impact (CBA)
- 5. Marketing Plan
- 6. Conclusion

Introduction

- 1. Three park concepts A, B, C
- 2. What is the ROI of new sports complex and economic impact?
- 3. How can LW promote new amenities?

Evaluation Goals and Objectives

- 1. Determine the anticipated economic development impact (cost-benefit) of the renovations to the sports complex.
- 2. Survey area cities and their fees structures to document the anticipated return on investment (ROI).
- 3. Draft recommendations for a regional marketing plan to promote the new park amenities.
- 4. Work with city staff to resurvey current users of Lake Worth park facilities.
- 5. Prepare and present recommendations to the Lake Worth City Council.

Phase II Goals

Area City Survey for ROI on Park Investments

Park User Survey



Economic
Development
Impact (CostBenefit)



Regional Marketing Plan

ROI Methodology

- ☐ Increased property values
- ☐ Increased tax revenue
- ☐ Decreased medical costs through increased exercise
- ☐ Increased tourism revenue
- ☐ Improved attractiveness of communities to homebuyers and businesses

Return on Investment on Parks

Comparable Cities

Field usage fee per hour:

- 1.Azle \$20
- 2. Kennedale \$12.50
- 3.Crowley \$25
- 4.Saginaw \$15
- 5. White Settlement \$40
- 6. Haltom City \$25

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	RATE	Statistics Concept C
FIELD INCOME PAVILLION INCOME	\$30 PER HOUR \$30 PER HOUR	7 FIELDS USED 2000 HOURS A YEAR = \$60,000 1 PAVILLION USED 6 HOURS EACH WEEKEND = \$9,360
SALES TAX REVENUE	1.75%	\$37.5 IS SPENT ON LOCAL BUSINESSES EACH VISIT (450) VISITS A WEEK = 23,400 ANNUAL VISITORS (\$877,500 ESTIMATED ECONOMIC ACTIVITY - 1.75% LAKE WORTH TAX RATE) \$15,356
PROPERTY TAX REVENUE	0.434806%	5% INCREASE ON THE PROPERTIES SURROUNDING THE PARKS (\$5,865,812) NEW VALUE \$6,159,102 TAX (26,780) Increase \$1,399
PROJECTED GRANT ASSISTANCE	MATCHING TPWD	\$255,000 CITY WILL NEED TO PREPARE TO MEET THE 13 POINT SCALE FOR THE APPLICATION
HEALTH BENEFITS	\$377 UNDER 65 SAVINGS / OVER 65 SAVINGS \$755	832 UNDER 65: \$313,644 160 OVER 65: \$120,800 TOTAL SAVINGS DUE TO 20% OF THE POPULATION BEING ACTIVE USERS : \$434,464
SPONSORSHIPS/DONATIO NS/FUNDRAISERS	ANNUAL GOAL	\$50,000
NET OPERATING COST	\$878,503	BENEFITS: \$1,687,663
ESTIMATED ANNUAL ROI ON PARK	\$809,220	92% ROI

ROI Expenses - Lake Worth

OPERATING COSTS	BUDGET
MAINTENANCE	\$194,028
SALARIES AND FRINGE BENEFITS	\$330,818
MARKETING	\$10,000
PARK SUPERINTENDENT	\$73,322
GRANT UPFRONT EXPENSE	\$255,000
TOTALS:	863,168

Fall 2019 Lake Worth Park User Survey

Key Findings:

- Majority of park users are <u>non-residents</u>
- Soccer or baseball?
 - Even preference, most <u>respondents wanted more</u> <u>playgrounds</u>.
- Most respondents said parking is adequate
- Most Park users do not desire an event space
 - Most reported they <u>do not participate in LW sports</u> <u>programs</u>
- Average spending \$25-\$50 when visiting

Visitor Cities to Lake Worth

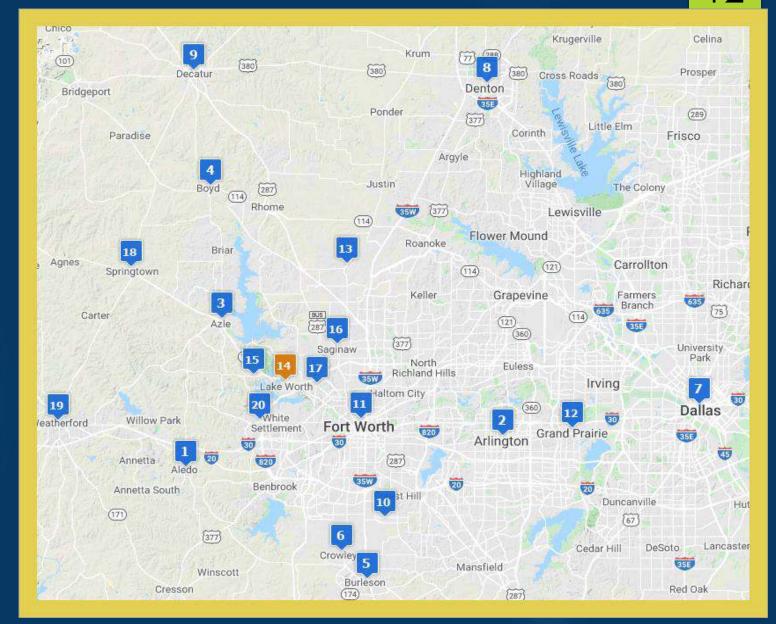
Fall 2019 User Survey

Aledo	Arlington	Azle	Boyd	Burleson
Crowley	Dallas	Denton	Decatur	Everman
Ft. Worth	Grand Prairie	Haslet	Lake Worth	Lakeside
Saginaw	Sansom Park	Springtown	Weatherford	White Settlement

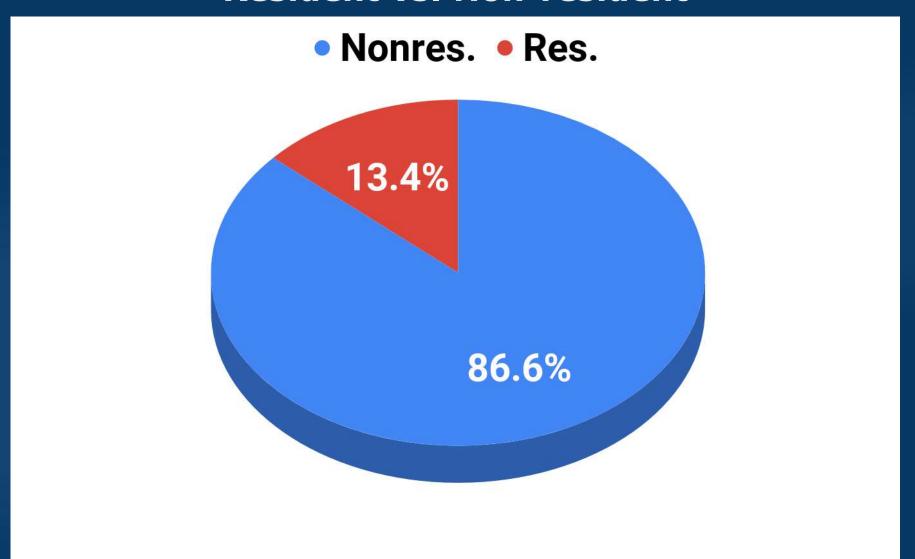
User Survey Respondent Cities

- 1. Aledo
- 2. Arlington
- 3. Azle
- 4. Boyd
- 5. Burleson
- 6. Crowley
- 7. Dallas
- 8. Denton
- 9. Decatur
- 10. Everman
- 11. Ft. Worth

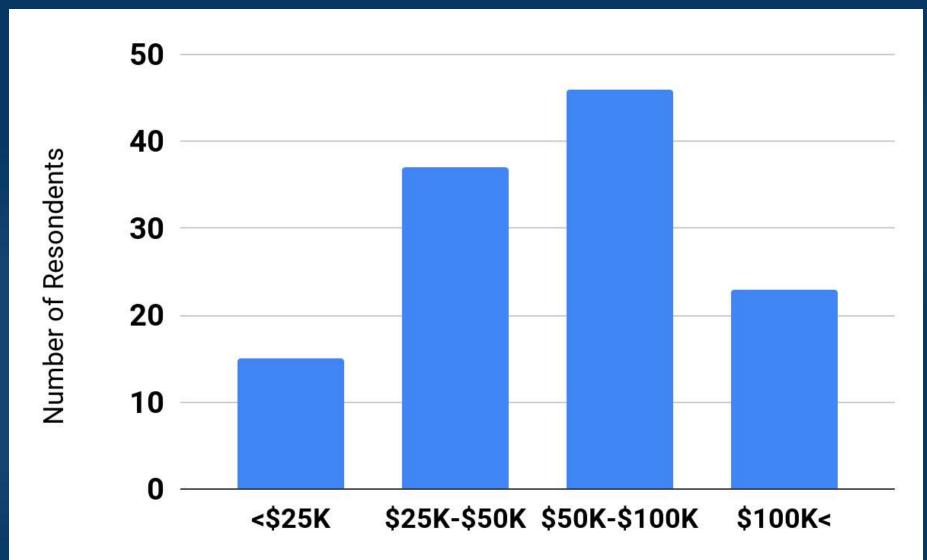
- 12. Grand Prairie
- 13. Haslet
- 14. Lake Worth
- 15. Lakeside
- 16. Saginaw
- 17. Sansom Park
- 18. Springtown
- 19. Weatherford
- 20. White Settlement



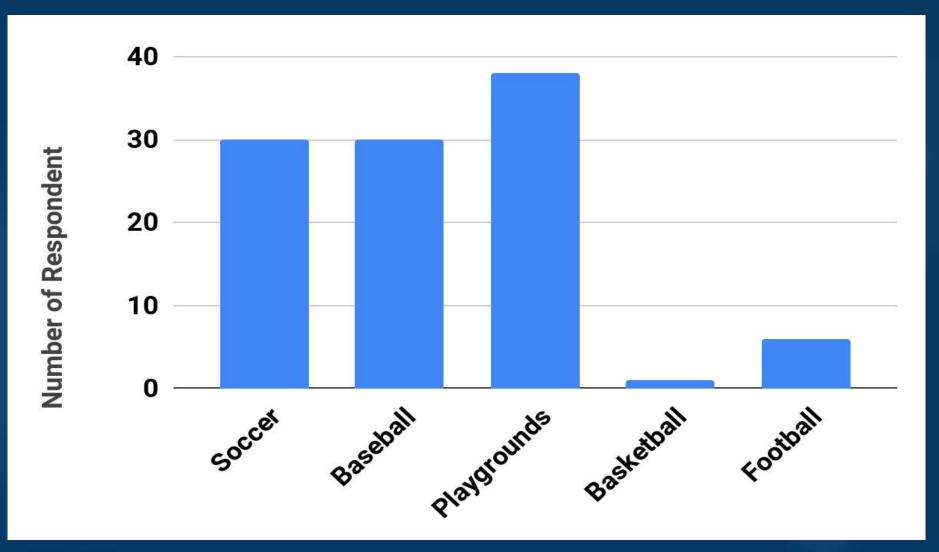
Resident vs. Non-resident



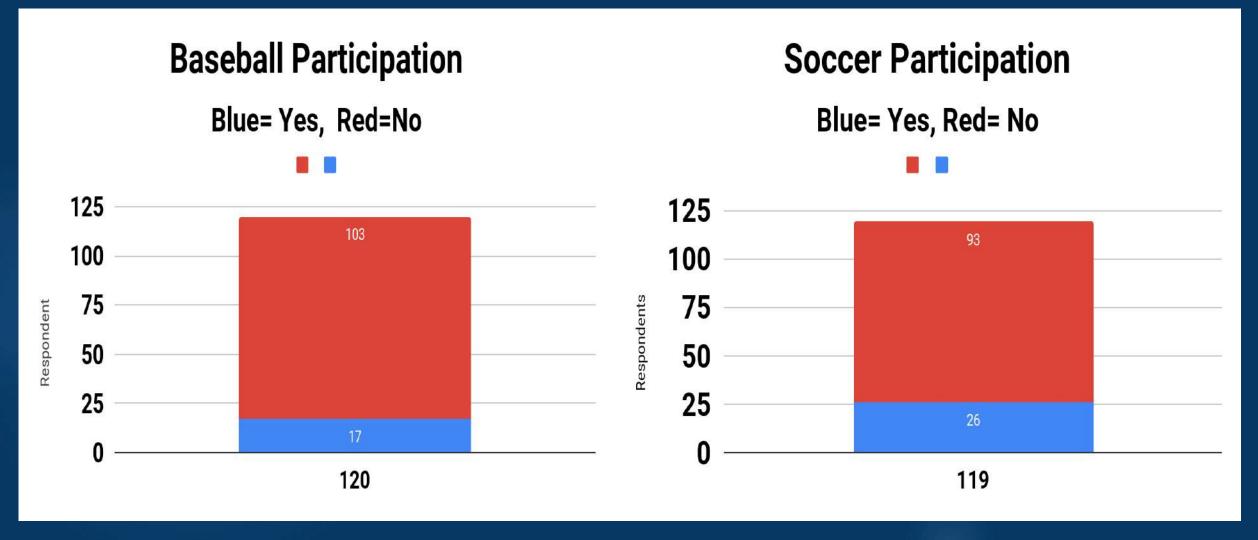
Income Levels



What type of facilities bring you to Lake Worth city parks?

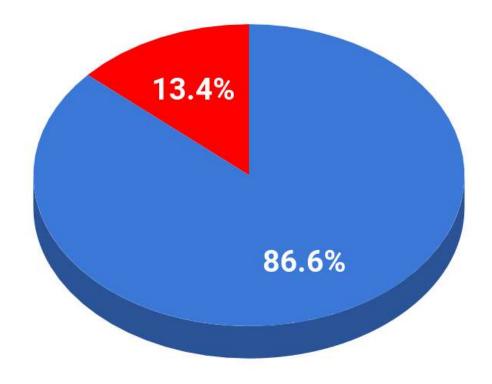


LW Baseball and Soccer Participation

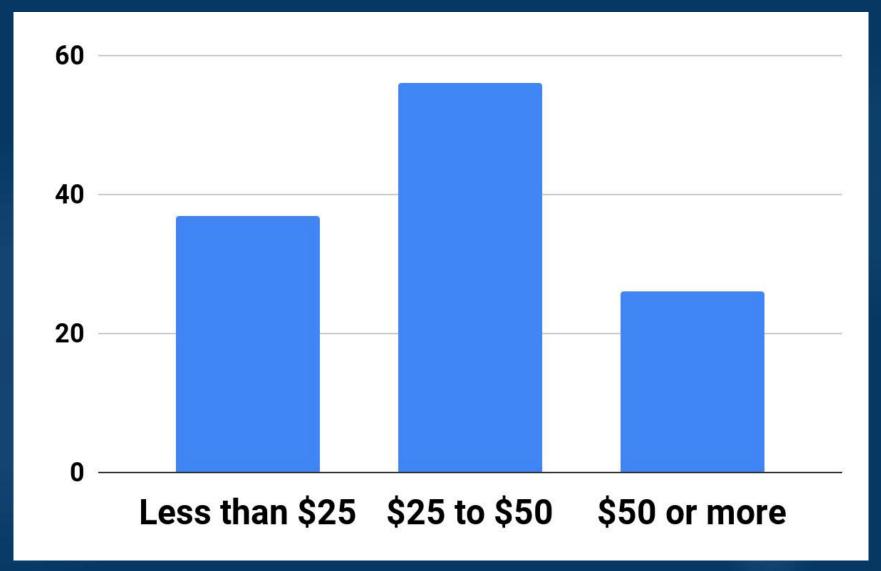


Willingness to pay for child sports league

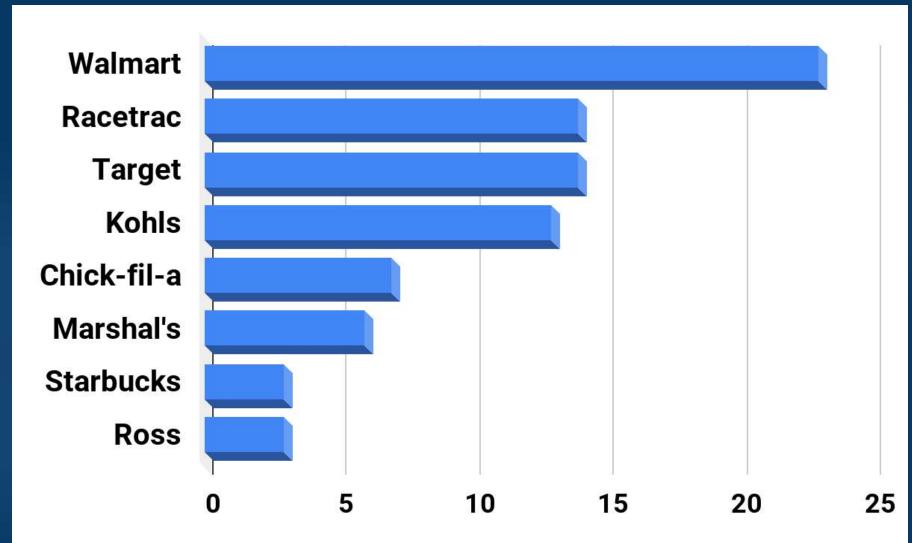




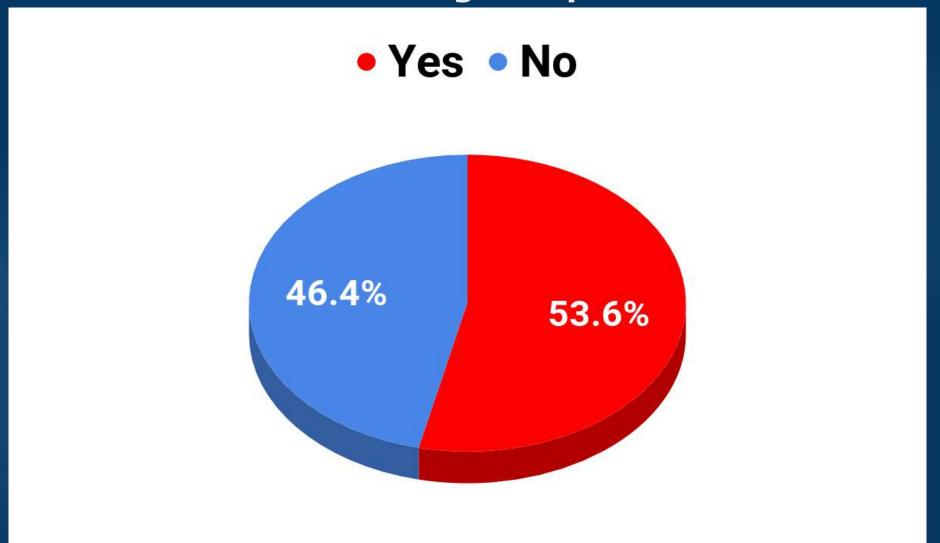
Typical Spending per Park User Visit



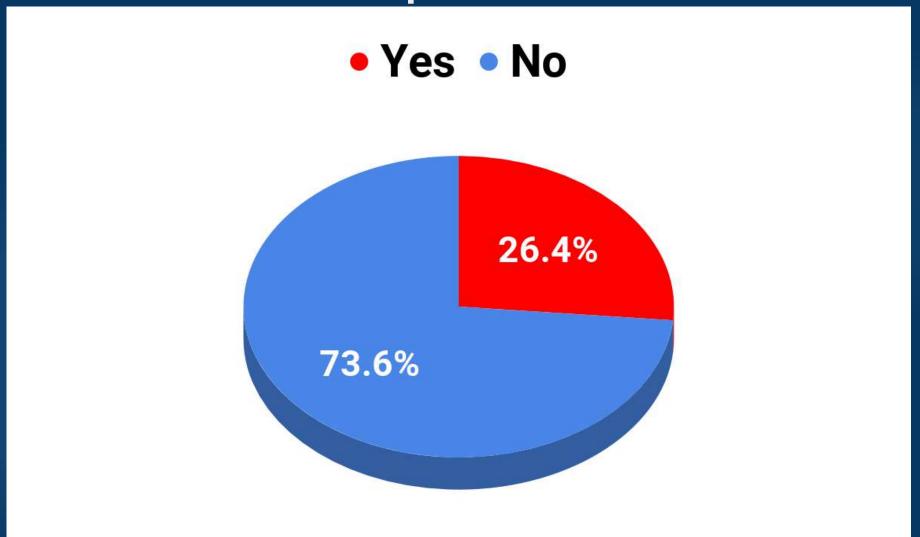
Location of Spending



Is Parking Adequate?



Event Space Interest

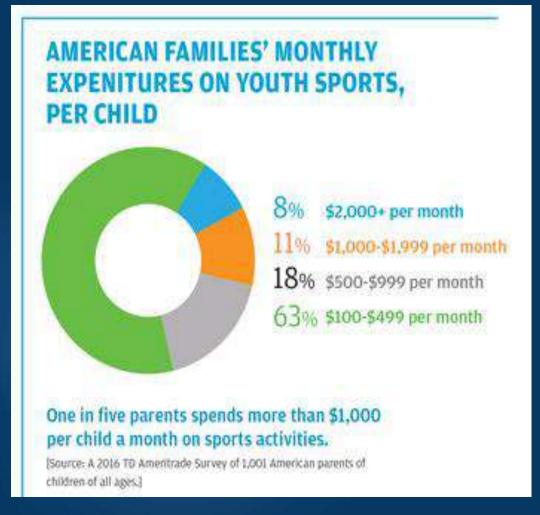


Economic Development Impact

SMART Goal Example: Increase the value of economic activity in Lake Worth by agreeing to update the sports complex to promote community engagement and increase sales and property tax revenue with 5 years of completion.

Costs	Benefits
 Direct costs associated with site redevelopment Increase in costs for park maintenance, operations, and security Increase in traffic around park 	 Additional revenue from property taxes Additional revenue from sales taxes Direct use value Improved health care costs Attracts people & businesses

Economic Development Opportunity



Youth Sport Tournament Hosting

- Boosts Economic Dev. & Activity
- Parents willing to pay to join sports league
- Turf is better for weather
 - Good for travelling non-residents
- Cost offsets fees:
 - Tournament hosting
 - Maintenance
 - Preparation fees

Economic Development Impact (CBA)

National Parks and Recreation Association (NRPA)

- 1. Common misconception public officials see park and rec. as important <u>BUT</u> they do not perceive it to help #1 concern, economic development
- 2.85% of public considers park and rec. amenities when moving, businesses too
- **3. Key partners:** Municipal departments, private sector developers, neighboring park and rec. agencies and private non-profits

Sustainability (CBA)

<u>SMART Goals Example</u>: Implement solar and water conservation systems for Lake Worth parks to create a sustainable method for reducing maintenance and utilities fees over the long term (5-10 years or more).

Costs	Benefits
 Installation of systems Maintenance of conservation systems Some methods could reduce direct use space 	 Lower costs on utilities & maintenance Can help beautify Minimizes health risks and liabilities associated with reclaimed water







Texas Parks and Wildlife Grants

Per the Local Park Grant Manager at the TWPD, the city of Lake Worth is eligible to apply for:

- 1. Small Community program
 - ▶ 50% matching grant
 - ▶ Up to \$150,000
- 2. Non-Urban Outdoor program
 - > 50% matching grant
 - ▶ Up to \$750,000

TWPD Grant Ceiling total of \$900,000

Funding Considerations

- 1. Texas Recreation and Parks Account (TRPA) Program
- 2. Land and Water Conservation Fund
- 3. Texas Department of Transportation (TxDOT)
- 4. National Tree Trust Partnership
- 5. Texas Department of Forestry Urban and Community Forest Challenge Grant
- Community Development o Block Grant (CDBG) Programs
- 7. Sponsorships and donations through city utility bills, fundraisers, and raffles.
- 8. Park Donations Fund

City-Generated Funding Sources

- 1.General fund expenditures
- 2.Bond funds
- 3. Electric utility partnerships
- 4. Water utility bill contributions
- 5. Park donations funds
- 6.Park development fee funds

Regional Marketing Plan

Purpose: provide additional funds to the park while promoting Lake Worth's Parks and Recreation

Sponsorships opportunities:

- Special Event Sponsorships
- Park Sponsorships
- Facility Banner Sponsorships
- Adult/Youth Sports Leagues

- Tournament Sponsorships
- Corporate Sponsorships
 - Chick-fil-a, Academy, Raising Cane's
- Local Sponsorships
 - Ritchie Brothers Auction
 Company, Fuzzy's Tacos

Phase II recommends to focus on building local relationships and on nonresidents for marketing plan.

Sponsorship Layout Example



Recommendations Overview

- > TWPD Grants
 - Small Community & Non-Urban Outdoor
 - Master Plan would be beneficial to pursue grants
- Marketing Plan
 - Build local relationships
 - Focus on Non-residents
- The Phase II Capstone Team Recommends Plan C
 - Balanced in terms of costs and potential benefit
 - More fields = More Econ. activity
 - Turf and natural grass for tournaments
 - Most parking



Conclusion

- Lake Worth's sports complex update has potential to bring economic growth
- Embrace partnering with local public and private org.'s to help growth
- To offset costs:
 - Host tournaments
 - Seek grants
 - Charge advertising/sponsorship fees
 - Invest in sustainable methods like rainwater collection & solar
- The Phase II team recommends Park Option C

Questions?

Thank you for your time!

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. B.1

FROM: Monica Solko, City Secretary

ITEM: Approve the minutes of the October 7, 2019 Regular City Council meeting.

SUMMARY:

The minutes are listed on the consent agenda and approved by majority vote of Council at the City Council meetings.

The City Secretary's Office prepares action minutes for each City Council meeting. The minutes for the previous meeting are placed on the consent agenda for review and approval by the City Council, which contributes to a time efficient meeting. Upon approval of the minutes, an electronic copy will be uploaded to the City's website.

FISCAL IMPACT:

N/A

ATTACHMENTS:

October 7, 2019 minutes

RECOMMENDED MOTION OR ACTION:

Approve minutes of the October 7, 2019 Regular City Council meeting.

MINUTES OF THE REGULAR MEETING OF THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS HELD IN CITY HALL, COUNCIL CHAMBERS, 3805 ADAM GRUBB MONDAY, OCTOBER 7, 2019 REGULAR MEETING: 6:30 PM

A. CALL TO ORDER.

Mayor Walter Bowen called the Council meeting to order at 6:30 p.m.

A.1 INVOCATION AND PLEDGE OF ALLEGIANCE.

Council member Gary Stuard gave the invocation. Attendees recited the pledge of allegiance.

A.2 ROLL CALL.

Present:	Walter Bowen	Mayor
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Jim Smith Mayor Pro Tem, Place 1

Geoffrey White
Sue Wenger
Council, Place 2
Council, Place 3
Council, Place 3
Council, Place 4
Council, Place 4
Council, Place 5
Council, Place 5
Council, Place 6
Clint Narmore
Council, Place 12

Staff: Stacey Almond City Manager

Debbie Whitley Assistant City Manager/Finance Director

Monica Solko City Secretary
Mike Christenson Fire Chief

JT Manoushagian Interim Police Chief

Mike Shelley Public Works Superintendent

Misty Christian City Engineer

Barry Barber Planning and Development Director
Suzanne Meason Planning and Zoning Administrator
Kelly McDonald Purchasing Coordinator/Risk Manager

Absent: Drew Larkin City Attorney

A.3 CITIZEN PRESENTATION / VISITOR COMMENTS

There were no requests to speak from the public.

A.4 REMOVAL OF CONSENT AGENDA

No items were removed from the consent agenda.

B. CONSIDER APPROVAL OF CONSENT AGENDA ITEMS <u>APPROVED</u>

- B.1 APPROVE THE MINUTES OF THE SEPTEMBER 10, 2019 REGULAR CITY COUNCIL MEETING.
- B.2 APPROVE RESOLUTION NO. 2019-18, AUTHORIZING THE CONTINUED RECEIPT OF ITS STATUTORILY ALLOCATED SHARE OF THE AMOUNT COLLECTED AS PRIZE FEES ON BINGO GAMES CONDUCTED WITHIN THE MUNICIPAL BOUNDARIES OF LAKE WORTH, TEXAS AND AUTHORIZING AND DIRECTING THE CITY MANAGER TO PROVIDE NOTICE OF THE CITY COUNCILS DECISION NO LATER THAN NOVEMBER 1, 2019.
- B.3 APPROVE RESOLUTION NO. 2019-19, AMENDING THE MINIMUM AND PREFERRED EDUCATIONAL REQUIREMENTS OF THE DIRECTOR OF PUBLIC WORKS JOB DESCRIPTION.
- B.4 APPROVE A CONTRACT WITH TARRANT COUNTY EMERGENCY SERVICES DISTRICT NO. ONE FOR FIRE SERVICE PROVIDED BY THE CITY OF LAKE WORTH FIRE DEPARTMENT TO THE DISTRICT BEGINNING OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020.
- B.5 APPROVE ORDINANCE NO. 1168 AMENDING THE FY 2019/2020 GENERAL FUND OPERATING BUDGET.
- B.6 APPROVE AN INTERLOCAL AGREEMENT WITH THE CITY OF FRISCO FOR THE PURCHASE OF VARIOUS GOODS AND SERVICES COMMONLY UTILIZED AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE AGREEMENT.
- B.7 APPROVE FINANCE REPORTS FOR THE MONTH OF SEPTEMBER 2019.
- B.8 APPROVE A MEMBERSHIP APPLICATION AND AGREEMENT WITH THE ELECTRIC RELIABILITY COUNCIL OF TEXAS, INC. (ERCOT) FOR YEAR 2020, AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE AGREEMENT.

A MOTION WAS MADE BY MAYOR PRO TEM SMITH, SECONDED BY COUNCIL MEMBER PARSLEY TO APPROVE THE CONSENT AGENDA.

MOTION TO APPROVE CARRIED 7-0.

C. PUBLIC HEARINGS

Mayor Bowen announced the next two items C.1 and C.2 were being tabled at the request of the applicant. The action required by Council tonight is to table the public hearings to the November 12, 2019 City Council meeting at 6:30 p.m. located at City Hall, Council Chambers, 3805 Adam Grubb, TX 76135

C.1 PUBLIC HEARING TO CONSIDER PLANNING & ZONING CASE NO. PZ-2019-20, A PROPOSED PRELIMINARY PLAT BEING ALL OF A 10.58-ACRE TRACT OF LAND KNOWN AS ABSTRACT 188, TRACT 2CC, JOHN BREEDING SURVEY, OF THE RECORDS OF TARRANT COUNTY, TEXAS. THE PROPOSED PRELIMINARY PLAT'S NEW LEGAL DESCRIPTION WILL BE BLOCK 2, LOT 1, LAKEVIEW HEIGHTS ESTATES, WHICH IS GENERALLY DESCRIBED AS 4426 HODGKINS ROAD, LAKE WORTH, TEXAS. (TABLED AT THE SEPTEMBER 12, 2019 PLANNING & ZONING COMMISSION MEETING).

SECOND TABLED

Mayor Bowen called for the motion.

A MOTION WAS MADE BY COUNCIL MEMBER WENGER, SECONDED BY COUNCIL MEMBER HILL TO TABLE PZ 2019-20, TO THE NOVEMBER 12, 2019 CITY COUNCIL MEETING AT 6:30 P.M. LOCATED AT CITY HALL, COUNCIL CHAMBERS, 3805 ADAM GRUBB, TX 76135.

MOTION TO TABLE CARRIED 7-0.

C.2 PUBLIC HEARING TO CONSIDER PLANNING & ZONING CASE NO. PZ-2019-21, REGARDING AN ORDINANCE AMENDING ORDINANCE NO. 500, THE COMPREHENSIVE ZONING ORDINANCE OF THE CITY OF LAKE WORTH. SO AS TO CONSIDER A SITE PLAN FOR THE AGE RESTRICTED SENIOR LIVING COMMUNITY AN APPROXIMATELY 10.58-ACRE TRACT OF LAND. CURRENTLY LEGALLY KNOWN AS ABSTRACT 188, TRACT 2CC, JOHN BREEDING SURVEY, TARRANT COUNTY, TEXAS, BEING THAT ALL OF THE CERTAIN CALLED 10.58-ACRE PARCEL OF LAND, WHICH WHEN PLATTED WILL BECOME BLOCK 2, LOT 1, LAKEVIEW ESTATES SUBDIVISION RECORDED IN THE DEED RECORDS OF TARRANT COUNTY, TEXAS, BY AMENDING THE OFFICIAL ZONING MAP TO REFLECT SUCH CHANGE. THE PROPERTY TO BE CONSIDERED IS GENERALLY DESCRIBED AS A 10.58-ACRE PARCEL OF LAND LOCATED AT 4426 HODGKINS ROAD, LAKE WORTH, TEXAS. (TABLED AT THE SEPTEMBER 12, 2019 PLANNING & **ZONING COMMISSION MEETING).**

SECOND TABLED

Mayor Bowen called for the motion.

A MOTION WAS MADE BY COUNCIL MEMBER WENGER, SECONDED BY COUNCIL MEMBER HILL TO TABLE PZ 2019-21, TO THE NOVEMBER 12, 2019 CITY COUNCIL MEETING AT 6:30 P.M. LOCATED AT CITY HALL, COUNCIL CHAMBERS, 3805 ADAM GRUBB, TX 76135.

MOTION TO TABLE CARRIED 7-0.

C.3 PUBLIC HEARING TO CONSIDER PLANNING & ZONING CASE NO. PZ-2019-22, A PROPOSED REPLAT BEING ALL PROPOSED REPLAT BEING ALL OF A .42-ACRE PARCEL OF LAND KNOWN AS BLOCK 13, LOTS 1 AND 2, INDIAN OAKS SUBDIVISION OF THE RECORDS OF TARRANT COUNTY, TEXAS. THE PROPOSED REPLAT'S NEW LEGAL DESCRIPTION WILL BE BLOCK 13, LOTS 1R1, 1R2 AND 2R, INDIAN OAKS SUBDIVISION, WHICH IS GENERALLY DESCRIBED AS 12513 OSAGE TRAIL (LOT 2R), 125112 OSAGE TRAIL (LOT 1R2), AND 12521 OSAGE TRAIL (LOT 1R1), LAKE WORTH, TEXAS. (PLANNING & ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 12-0).

<u>APPROVED</u>

Mayor Bowen opened the public hearing at 6:35 p.m. and called on Ms. Meason to present the item.

Planning and Zoning Administrator Suzanne Meason summarized the item. Property owners Gustavo Castaneda and Elizabeth Anderson both own portions of Lot 1 and Lot 2, Block 13, Indian Oaks Subdivision. The properties were sold by metes and bounds description but were never properly subdivided. The owners wish to develop the lots with single family homes and must replat the lots properly in order to do so. Staff has reviewed the document and finds it to comply with state and local requirements. The Planning and Zoning Commission recommended approval by a 7-0 vote.

Mayor Bowen called for anyone wishing to speak for or against the request to come forward.

Christine Martin, 3225 Pueblo Trail, came forward. She was concerned that the development would cause additional drainage issues on her property. She lives at the bottom of the hill and already has drainage issues. Ms. Meason commented that the development would help impede some of the drainage from going onto the property and drainage will be discussed further with developer during the building permitting process.

There being no one else wishing to speak, Mayor Bowen closed the public hearing at 6:40 p.m. and called for the motion.

A MOTION WAS MADE BY COUNCIL MEMBER STUARD, SECONDED BY MAYOR PRO TEM SMITH TO APPROVE PZ 2019-22, AS PRESENTED.

C.4 PUBLIC HEARING TO CONSIDER PLANNING & ZONING CASE NO. PZ-2019-23, A PROPOSED REPLAT BEING ALL OF A .85-ACRE PARCEL OF LAND KNOWN AS BLOCK 36, LOTS 12 AND 8, INDIAN OAKS SUBDIVISION OF THE RECORDS OF TARRANT COUNTY, TEXAS. THE PROPOSED REPLAT'S NEW LEGAL DESCRIPTION WILL BE BLOCK 36, LOTS 12R-1, 12R-2, AND 8R, INDIAN OAKS SUBDIVISION, WHICH IS GENERALLY DESCRIBED AT 3116 AND 3120 CADDO TRAIL, LAKE WORTH, TEXAS. UPON REPLATTING THE PROPERTIES WILL BE GENERALLY KNOWN AS 3120 CADDO TRAIL (LOT 12R-1), 3116 CADDO TRAIL (LOT 12R-2) AND 3112 CADDO TRAIL (LOT 8R). (PLANNING & ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 12-0.

APPROVED

Mayor Bowen opened the public hearing at 6:41 p.m. and called on Ms. Meason to present the item.

Planning and Zoning Administrator Suzanne Meason summarized the item. Property owner Elizabeth Anderson owns Lot 12 and Lot 8, Block 36, Indian Oaks Subdivision. She wishes to divide the two lots (200' x 185' total) into three 66.66' x 185' lots and develop them with single family homes. Staff has reviewed the document and finds it to comply with state and local requirements. The Planning and Zoning Commission recommended approval by a 7-0 vote.

Mayor Bowen called for anyone wishing to speak for or against the request to come forward.

There being no one wishing to speak, Mayor Bowen closed the public hearing at 6:42 p.m. and called for the motion.

A MOTION WAS MADE BY COUNCIL MEMBER NARMORE, SECONDED BY COUNCIL MEMBER PARSLEY TO APPROVE PZ 2019-23, ITEM C.4 AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

D. PLANNING AND DEVELOPMENT

D.1 DISCUSS AND CONSIDER RESOLUTION NO. 2019-16, APPOINTING MEMBERS TO THE BOARD OF ADJUSTMENT PLACES 1, 3, 5, AND ALTERNATE PLACE 12.

APPROVED

Planning and Zoning Administrator Suzanne Meason summarized the item. Each year the Council appoints members of the public, which have resided in the city for the

minimum residency requirement to serve on the Board of Adjustment. Places 1, 3, 5 and alternate Place 12 are up for appointment. The following have requested reappointment with terms expiring October 1, 2021: Wilson Daggs, Jr., Place 1 and Robb Welch, Place 3.

A MOTION WAS MADE BY COUNCIL MEMBER STUARD, SECONDED BY COUNCIL MEMBER HILL TO APPROVE RESOLUTION NO. 2019-16, REAPPOINTING WILSON DAGGS, JR. TO PLACE 1 AND ROBB WELCH TO PLACE 3 WITH TERMS EXPIRING ON OCTOBER 1, 2021.

MOTION TO APPROVE CARRIED 7-0.

D.2 DISCUSS AND CONSIDER RESOLUTION NO. 2019-112, APPOINTING MEMBERS TO THE PLANNING AND ZONING COMMISSION, PLACES 1, 3, 5, AND 12.

APPROVED

Planning and Zoning Administrator Suzanne Meason summarized the item. Each year the Council appoints members of the public, which have resided in the city for the minimum residency requirement to serve on the Planning and Zoning Commission. Places 1, 3, 5 and 12 are up for appointment. The following have requested reappointment with a term that would expire October 1, 2021: Don Riley, Place 1, Jeannie Turley, Place 3, Troy Jones, Place 5 and Coy Pennington, Place 12.

A MOTION WAS MADE BY COUNCIL MEMBER STUARD, SECONDED BY COUNCIL MEMBER HILL TO APPROVE RESOLUTION NO. 2019-112, REAPPOINTMENT OF DON RILEY, PLACE 1, JEANNIE TURLEY, PLACE 3, TROY JONES, PLACE 5 AND COY PENNINGTON, PLACE 12 WITH TERM EXPIRING OCTOBER 1, 2021.

MOTION TO APPROVE CARRIED 7-0.

E. PUBLIC WORKS

No items for this category.

F. GENERAL ITEMS

F.1 DISCUSS AND CONSIDER ORDINANCE NO. 1166, AUTHORIZING PUBLICATION OF NOTICE OF INTENTION TO ISSUE CITY OF LAKE WORTH, TEXAS COMBINATION TAX AND REVENUE CERTIFICATES OF OBLIGATION, SERIES 2020 IN A MAXIMUM PRINCIPAL AMOUNT NOT TO EXCEED \$5,1250,000.

APPROVED

Assistant City Manager/Finance Director Debbie Whitley presented the item. At the City Council meeting on September 10, 2019, Council directed staff to proceed with the

issuance of Certificates of Obligation to fund capital projects and equipment purchases totaling \$5,1250,000. The first step in the process is to pass an ordinance authorizing publication of notice of the City's intent to issue the debt.

A MOTION WAS MADE BY MAYOR PRO TEM SMITH, SECONDED BY COUNCIL MEMBER STUARD TO APPROVE ITEM F.1, ORDINANCE NO. 1166, AUTHORIZING PUBLICATION OF NOTICE OF INTENTION TO ISSUE CITY OF LAKE WORTH, TEXAS COMBINATION TAX AND REVENUE CERTIFICATES OF OBLIGATION, SERIES 2020 IN A MAXIMUM PRINCIPAL AMOUNT NOT TO EXCEED \$5,1250,000 AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

F.2 DISCUSS AND CONSIDER RESOLUTION NO. 2019-21, AUTHORIZING REIMBURSEMENT OF CERTAIN EXPENSES FROM THE PROCEEDS OF TAX EXEMPT OBLIGATIONS.

APPROVED

Assistant City Manager/Finance Director Debbie Whitley presented the item. Council is being asked to approve a resolution that authorizes the City to reimburse the General Fund for expenditures, paid in advance of receipt of debit proceeds, related to the projects to be funded with the 2020 Certificates of Obligation.

A MOTION WAS MADE BY COUNCIL MEMBER STUARD, SECONDED BY COUNCIL MEMBER PARSLEY TO APPROVE ITEM F.2, RESOLUTION No. 2019-21 AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

F.3 DISCUSS AND CONSIDER WITHDRAWING LAKE WORTH'S AGREEMENT FOR AUTOMATIC FIRE PROTECTION SERVICES WITH RIVER OAKS, SANSOM PARK AND WESTWORTH VILLAGE AND AUTHORIZE THE CITY MANAGER TO ISSUE A 60 DAY TERMINATION NOTICE AND NEGOTIATE NEW AGREEMENTS FOR AUTOMATIC FIRE PROTECTION SERVICES WITH RIVER OAKS AND SANSOM PARK.

APPROVED

City Manager Stacey Almond presented the item. Our current agreement with Sansom Park, was approved by all parties in 2004 which also included River Oaks and Westworth Village. There have been a lot of changes in our department and theirs during the last 15 years. Both cities need to look at a mutual agreement that ensures the safety and most efficient use of our shared resources. Until an agreement can be reached that ensures the safety of our personnel, and one in which reciprocal assistance may be provide by Sansom Park, we need to start the process of terminating the current agreement.

A MOTION WAS MADE BY MAYOR PRO TEM SMITH, SECONDED BY COUNCIL MEMBER PARSLEY TO APPROVE ITEM F.3 AS PRESENTED.

F.4 DISCUSS AND CONSIDER APPROVAL OF INDIVIDUAL PROJECT ORDER NO. 2019-03 WITH KIMLEY-HORN & ASSOCIATES TO PROVIDE PROFESSIONAL SERVICE ASSOCIATED WITH THE BEAUTIFICATION PLAN - GREEN RIBBON FUNDING FY 2020 AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE AGREEMENT

APPROVED

City Manager Stacey Almond presented the item. At the April 12, 2019 mid-year budget workshop staff presented to Council participation in the Green Ribbon Grant Program through the Texas Department of Transportation (TxDOT). Staff was directed to proceed with the grant application and provide for funding in the FY 2019-2020 budget. Staff received notice of tentative funding on August 14, 2019 for a fixed amount of \$400,000. The funding is assigned and currently pending approval of the Advance Funding Agreement and Landscape Maintenance Agreement. Preliminary meetings were held with TxDOT in mid-September 2019 and concerns were raised at that time about the North Azle portion (Richie Brothers side) of the project would need to be held pending approved construction plans for the SH 199/I820 project proposed in Lake Worth. Additional costs would be incurred in order to move the monument and landscape after its original installation. Staff and Kimley-Horn agree that it would be best to delay the north Azle (Richie Brothers side) portion of the project and only receiving funding for the project that was identified on the south Azle (Lake Worth Park side) portion. It was also discussed, and recommended we increase the size of the landscape features to avoid being damaged by the mowing tractors that maintain TxDOT ROW. Staff and Kimley-Horn will modify the drawing and landscape design to accommodate this request. Staff is requesting approval of an agreement with Kimley-Horn to facilitate the south Azle Green Ribbon Program with the one (1) monument sign.

A MOTION WAS MADE BY COUNCIL MEMBER STUARD, SECONDED BY COUNCIL MEMBER WENGER TO APPROVE ITEM F.4 AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

F.5 DISCUSS AND CONSIDER APPROVAL OF INDIVIDUAL PROJECT ORDER NO. 2019-02 WITH KIMLEY-HORN & ASSOCIATES TO PROVIDE PROFESSIONAL SERVICE ASSOCIATED WITH DEVELOPING A STORM WATER UTILITY FEE PROGRAM AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE AGREEMENT.

APPROVED

City Manager Stacey Almond presented the item. At the mid-year budget workshop held on April 12, 2019 staff presented the Council with two (2) options for Storm Water Management:

- Option 1 Development of a Storm Water Master Plan that would identify all major drainage areas in the city along with necessary improvements to protect them -Cost \$200,000 (estimated); and
- Option 2 Development of a Storm Water Utility Fee Program that would provide more effective storm water management throughout the city and assist with the funding of the Storm Water Master Plan and various identified projects (\$63,500).

After discussion, the Council opted for Option 2 and directed staff to add the development of the Storm Water Utility Fee Program to the FY 2019-2020 budget to start the management process and assess fees to fund the Master Plan and future storm water improvements. The goal of the utility fee is to identify a fee based on each individual property's impact to the storm collection system. This fee is based upon impervious surface, or hard surface, such as rooftops and parking lots, on each parcel.

The project order for the Storm Water Utility Plan will complete the following tasks:

- Task 1 Data Gathering
- Task 2 Development of Impervious Data Set
- Task 3 Account Review
- Task 4 Determine Fee Structures
- Task 5 Evaluate Billing Mechanism
- Task 6 Recommendations for Ordinance
- Task 7 Project Documentation
- Task 8 Public Involvement and Outreach

Council is being asked to approve funding (\$63,500) to establish the utility fee that will be added to the water bills after the ordinance has been approved. Then fund the \$200,000 through that utility fee collection.

A MOTION WAS MADE BY COUNCIL MEMBER STUARD, SECONDED BY MAYOR PRO TEM SMITH TO APPROVE ITEM F.5 AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

F.6 DISCUSS AND CONSIDER A SERVICE CONTRACT FOR GENERAL JANITORIAL SERVICES WITH OPEN WORKS, LOWEST RESPONSIBLE BIDDER, IN AN AMOUNT NOT TO EXCEED \$66,690, AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE AGREEMENT.

APPROVED

Purchasing Coordinator / Risk Manager Kelly McDonald presented the item. The city solicited proposals for general janitorial services, with an option to provide window and carpet cleaning services on a quarterly basis, for the Municipal Complex and Multi-Purpose Facility. The initial term of the contract is for 22-months with an option to renew for two (2) additional 12-month terms. The procurement office received the following bids from solicitation number 2019-04. After review, the procurement officer recommends the

City Council award this service contract in its entirety to the lowest responsive and responsible bidder, Open Works.

A MOTION WAS MADE BY MAYOR PRO TEM SMITH, SECONDED BY COUNCIL MEMBER WENGER TO APPROVE F.6 AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

F.7 DISCUSS AND CONSIDER APPROVAL OF A CONTRACT WITH THE HEALTHY DISPATCHER TO PROVIDE CONSULTING AND ASSESSMENT SERVICES FOR THE POLICE DEPARTMENT COMMUNICATIONS CENTER AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE AGREEMENT.

APPROVED

Interim Police Chief J.T. Manoushagian presented the item. Council is being asked to approve a contract for consulting and assessment of Police dispatch service with Healthy Dispatcher. This consultation and assessment will provide a powerful insight into LWPD's 911 communications center and provide a detailed, actionable roadmap for the Interim Chief and his staff to follow as they strive for excellence in service and protection. A successful 911 communications center does not merely process calls in a timely manner. True success is building a 911 communications center committed to high-quality customer service and where people want to work. There are centers who have maintained a turnover rate of less than 10% for more than 5 years. There are centers whose trainee success rate is consistently above 90%. In order to facilitate and support the increase in department-wide productivity expectations, it is imperative to examine the innerworkings of LWPD's communication center from both a micro and a macro level. This consultation and examination will, at a minimum, examine and offer recommendations on the following:

- Evaluation of employee recruitment, retention, and development practices.
- Analysis of communications budget in comparison to actual expense.
- Analysis of employee performance evaluations.
- Comprehensive evaluation of 9-1-1 calls and the timeliness in which the calls are answered
- and dispatched.
- Review of substantiated citizen complaints
- Analysis of call dispatch times
- Analysis of dispatch training
- Review of NCIC/ TCIC message volume and message handling

A MOTION WAS MADE BY COUNCIL MEMBER WENGER, SECONDED BY COUNCIL MEMBER STUARD TO APPROVE ITEM F.7 AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

F.8 DISCUSS AND RECEIVE AN UPDATE ON THE TEXAS DEPARTMENT OF PUBLIC SAFETY CRIMINAL JUSTICE INFORMATION SYSTEM (CJIS) AUDIT OF THE POLICE DEPARTMENT'S COMMUNICATIONS DIVISION. UPDATE

Interim Police Chief J.T. Manoushagian presented the item. On September 25th, the Texas Department of Public Safety conducted a Criminal Justice Information System (CJIS) audit of the police department's communications division. The audit was comprehensive in nature and examined all areas governed by the FBI's CJIS policy. After a thorough audit, LWPD was found to be in complete compliance.

NO ACTION REQUIRED BY CITY COUNCIL.

F.9 DISCUSS AND CONSIDER THE FINDINGS AND RECOMMENDATIONS OF THE PROPERTY/EVIDENCE PRE-AUDIT INSPECTION REPORT CONDUCTED BY EVIDENCE MANAGEMENT INSTITUTE (EMI) AND AUTHORIZE THE CITY MANAGER TO MOVE FORWARD WITH A FULL COMPREHENSIVE AUDIT TO BE CONDUCTED BY EMI.

APPROVED

Interim Police Chief J.T. Manoushagian presented the item. The primary purpose of a pre-audit inspection is to build familiarity with agency facilities, evidence management processes and workflow in preparation for the full audit process, and to collect data to evaluate systems and processes utilized by the department. The secondary purpose of a pre-audit inspection is to review, evaluate and make recommendations for issues observed during the pre-audit inspection process. The rating criteria for each assessment area is as follows: Strong, Average, Susceptible, and Broken.

Pre-audit inspection results:

- Workflow and Workload: Average
- Facilities: Susceptible
- Storage and Organization: Susceptible
- Evidence Packaging: Susceptible
- Automation and Digital Evidence: Broken
- Accountability Processes: Broken

Overall, our process for property/evidence management was given a rating of susceptible. This pre-audit review was a preliminary look into our property and evidence practices and highlighted many areas for improvement.

A MOTION WAS MADE BY MAYOR PRO TEM SMITH, SECONDED BY COUNCIL MEMBER PARSLEY TO APPROVE ITEM F.9, ACCEPTING THE FINDINGS AND RECOMMENDATIONS OF THE PROPERTY/EVIDENCE PRE-AUDIT INSPECTION REPORT CONDUCTED BY EVIDENCE MANAGEMENT INSTITUTE (EMI) AND AUTHORIZE THE CITY MANAGER TO MOVE FORWARD WITH A FULL COMPREHENSIVE AUDIT TO BE CONDUCTED BY EMI.

F.10 DISCUSS AND CONSIDER APPROVAL OF ORDINANCE NO. 1167 AMENDING THE FY 2018/2019 CHILD SAFETY, COURT TECHNOLOGY, COURT SECURITY AND WATER/SEWER FUND OPERATING BUDGETS. APPROVED

Assistant City Manager / Finance Director Debbie Whitley presented the item. The most significant amendments to the Child Safety, Court Technology and Court Security Funds are decreases in budgeted revenue, all related to a reduction in the issuance of traffic citations. The Water/Sewer Fund budget amendment decreases budgeted water and sewer revenues with equal decreases in water purchases and sewer charges from the City of Fort Worth.

A MOTION WAS MADE BY COUNCIL MEMBER STUARD, SECONDED BY COUNCIL MEMBER WENGER TO APPROVE ITEM F.10, ORDINANCE No. 1167 AMENDING THE FY 2018/2019 CHILD SAFETY, COURT TECHNOLOGY, COURT SECURITY AND WATER/SEWER OPERATING BUDGETS AS PRESENTED.

MOTION TO APPROVE CARRIED 7-0.

F.11 DISCUSS AND RECEIVE AND UPDATE ON LAKE WORTH'S MUNICIPAL SEPARATE STORM WATER SEWER SYSTEM (MS4). <u>UPDATE</u>

City Engineer Misty Christian presented the item. City Engineer, Misty Christian will provide a overview and presentation of the city's Municipal Separate Storm water Sewer System (MS4).

Overview

In 2003, the Environmental Protection Agency (EPA) mandated all small urbanized areas (based upon the population density of latest census) to implement a storm water management program to manage their storm water and more importantly, to prevent pollutants from entering the storm water system. These smaller areas, less than 50,00 population, are referred to as Phase II cities, while Phase I cities (such as Fort Worth and Dallas) have more stringent requirements. This program is referred to as the Municipal Separate Stormwater Systems (MS4) program. Texas challenged the EPA requirements in Court, and Texas finally was forced to implement the EPA requirements in 2008 through the Texas Commission on Environmental Quality (TCEQ).

The City of Lake Worth started their MS4 Program in 2008. Every year, the City must implement the program and provide an annual report to TCEQ. TCEQ does provide onsite audits to review the City's program and to ensure that proper documentation is occurring. Every five (5) years, the permit must be renewed. There has been a permit renewal in 2013 and in 2018-2019. The City is currently in compliance.

What Does the Program Consists Of?

TCEQ issues a permit to the City every five (5) years, referred to the NPDES permit or General permit, to manage stormwater within the City. The permit has specific requirements which includes implementing a program that has best management practices or minimum control measures (MCMs). The City's current MS4 program includes various activities to satisfy each of the following required six (6) MCMs mentioned in the permit.

- Public education and outreach on storm water impacts
- Public involvement and participation
- Illicit discharge detection and elimination
- Construction site storm water runoff control
- Post construction storm water management in new development and redevelopment
- Pollution prevention/good housekeeping for municipal operations

Funding

This is an unfunded mandate from EPA and administered by TCEQ. The City has been funding this program through the general fund. Several cities in the Metroplex fund this program through a Storm Water Utility Fee Program which collects a fee from existing residents to help fund this program. The Storm Water Utility Fee Program can also help fund storm water capital projects or other storm water projects.

Goal of Program

Reduce pollutants and sediment from entering storm drainage system which conveys pollutants and sediments downstream which impacts aquatic life and habitat. (Picture below of Gulf of Mexico and pollutants from upstream entering).

NO ACTION REQUIRED BY CITY COUNCIL.

G. MAYOR AND COUNCIL ITEM(S)

G.1 UPDATE ON TARRANT COUNTY MAYOR'S COUNCIL BY MAYOR BOWEN

Mayor Bowen stated he had nothing to report regarding the Tarrant County Mayor's Council but wanted to remind everyone that the annual banquet dinner was coming up in December.

Council member Parsley wanted to thank Public Works for the work they did on the valley gutter on Shawnee.

H. EXECUTIVE SESSION

No items for this category.

	ITEMS DISCUSSED IN EXECUTIVE SES	SSION LISTED ON THE AGENDA.
No ite	m for this category.	
Н.	ADJOURNMENT	
Mayor	Walter Bowen adjourned the meeting at 7	7:32 p.m.
		APPROVED
		By: Walter Bowen, Mayor

ATTEST:

Monica Solko, City Secretary

EXECUTIVE SESSION ITEMS - CITY COUNCIL MAY TAKE ACTION ON ANY

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. B.2

FROM: Danielle Hackbusch, Human Resources Manager

ITEM: Approve Resolution No. 2019-22, updating the job description for Professional

Standards Officer and changing the title to Training Coordinator.

SUMMARY:

With a young department, the importance of a training coordinator cannot be overstated. To progress and achieve the level of excellence we expect, it is imperative that a well-organized training program be in place. Such a program requires a full-time, dedicated employee to oversee and administer in addition to ensuring compliance with the TPCA best practices program.

This position is a conversion of the preexisting "Professional Standards Officer" position. Previous duties held by this position will be divided among other employees of the department. Additional responsibilities of this position will include asset control, TPCA best practice coordination, and new employee on-boarding.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Resolution No. 2019-22
Police Training Coordinator

RECOMMENDED MOTION OR ACTION:

Move to approve Resolution No. 2019-22, updating the job description for Professional Standards Officer and changing the title to Training Coordinator.

RESOLUTION NO. 2019-22

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS, REVISING THE PROFESSIONAL STANDARDS OFFICER JOB DESCRIPTION AND CHANGING THE TITLE TO TRAINING COORDINATOR.

WHEREAS, the Human Resources Manager has prepared and submitted the job description for Professional Standards Officer; and

WHEREAS, the purpose of the job description revision is to accurately reflect the title, duties, and responsibilities of the position listed; and

WHEREAS, this job description applies to the respective position unless specified otherwise by state law, city charter, departmental policy approved by the City Council or other official Council action.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS, THAT:

The Professional Standards Officer job title is changed to Training Coordinator and is hereby amended as attached and shall be effective the 12th day of November 2019.

PASSED AND APPROVED this 12th day of November 2019

	APPROVED:
	Walter Bowen, Mayor
ATTEST:	
Monica Solko, TRMC City Secretary	

City of Lake Worth

Job Description

Job Title: Training Coordinator

Department: Police FLSA Status: Non-Exempt

Job description statements are intended to describe the general nature and level of work being performed by employees assigned to this job title. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required.

GENERAL SUMMARY

This position provides support to the entire department by performing a variety of complex, technical and administrative duties in support of the Police Department training function. The primary duties of this position are; conducting periodic inspection and auditing of facilities, equipment, personnel, and various types of reports and recorded media; coordinate and schedule the hiring process for all new personnel; and complete background investigations on all new personnel.

SUPERVISION RECEIVED AND EXERCISED

This position reports directly to the Commander – Support Services.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Duties include but are not limited to the following:

- Monitor and maintain all training records for each department employee
- Maintain TCOLE (Texas Commission of Law Enforcement) mandates to ensure compliance
- Ensure all employees are informed of potential non-compliance situations
- Coordinate department employee attendance at training courses including but not limited to registration, travel logistics, expense reimbursement, and certifications
- Participate in recruitment, selection and background activities, such as: proctoring examinations, performing background checks, and maintaining required records and files
- Identify training needs and arrange training, including venue, schedule and presenter
- Develop, organize, coordinate, and implement in-house training programs, including interactive media, for all department employees
- Assist department subject matter experts in the development of course outlines and presentation materials
- Identify, research and recommend appropriate training equipment and technology
- Instruct department trainers in adult learning theories and presentation techniques
- Advise command staff on training trends and potential training liabilities
- Establish and maintain liaison with other agencies and private employers to develop training sources
- Coordinate and provide training to employees as needed and or directed by the Chief of Police
- Evaluate officer reports of use of force and pursuits
- Randomly inspect reports and various media insuring policy compliance

- Assist officers when needed, making sure all safety procedures and department policy are followed
- Practically apply Texas state law, federal law, city ordinances, and departmental policy as it pertains to municipal policing
- Perform the essential duties and responsibilities of a Patrol Officer as needed
- Other duties as assigned

MINIMUM JOB REQUIREMENTS

LICENSES AND CERTIFICATES

Valid Class C Texas driver license; Advanced TCOLE certification; Instructors certificate/license

EDUCATION AND EXPERIENCE

- Two (2) years full-time experience as a paid Police Officer
- Two (2) years' experience as a Field Training Officer (preferred)
- Or combination of equivalent education and experience

PHYSICAL ABILITIES

- Must possess the visual acuity to operate a computer terminal and city vehicle
- Walk, stand, sit, or run for prolonged periods of time
- Regularly push, pull, lift, and/or carry up 10 pounds
- Frequently lift and/or move objects up to 50 pounds
- Occasionally lift and/or move objects up to 100 pounds or more
- Occasionally stoop, bend, kneel, crouch, reach, and twist
- Operate office equipment including use of a computer keyboard
- Speak and hear to exchange information in English
- Operate a vehicle to travel to various locations
- Operate and use specialized law enforcement tools and equipment including guns and handcuffs
- Restrain or subdue individuals

The City of Lake Worth is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act (ADA), the City of Lake Worth will provide reasonable accommodations to qualified individuals with disabilities. All applicants must also take a drug test prior to employment with the city.

By my signature, I hereby certify that I have reviewed the description of my position and agree to perform the duties described therein. I understand that City of Lake Worth may make modifications, additions, or deletions to this job description at any time, and will notify me of any changes by sending me a revised copy for my review and signature.

Employee's Signature	Date
Supervisor's Signature	Date

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. B.3

FROM: Stacey Almond, City Manager

ITEM: Approve the appointment of Mike Shelley, Voting Member and Stacey Almond,

Alternate Member to the Wholesale Water and Wastewater Customer Advisory

Committee through September 30, 2020.

SUMMARY:

Every year each Wholesale customer appoints a voting member and an alternate member to the Wholesale Water and Wastewater Customer Advisory Committee (WCAC).

ARTICLE 15. Wholesale Customer Advisory Committee

Customer's governing body shall annually appoint a representative to be a voting member of the Wholesale Customer Advisory Committee, whose purpose shall be to consult with and advise Fort Worth, through the Director, on matters pertaining to conservation, wholesale planning, improvements, grants, wholesale rate studies, administration, budgets, and additional wholesale customers, whether same be wholesale customers of Customer or Fort Worth. The Wholesale Customer Advisory Committee may establish bylaws governing the election of officers, meeting dates and other matters pertinent to its functioning.

Staff recommends the appointment of Mike Shelley, Voting Member and Stacey Almond, Alternate Member to the Wholesale Water and Wastewater Customer Advisory Committee through September 30, 2020. Appointments are due to Fort Worth by December 2, 2019.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Official Appointment Form

RECOMMENDED MOTION OR ACTION:

Move to approve the appointment of Mike Shelley, Voting Member and Stacey Almond, Alternate Member to the Wholesale Water and Wastewater Customer Advisory Committee through September 30, 2020.



APPOINTMENT FORM

Wholesale Water and Wastewater Customer Advisory Committee

DATE:		
WHOLESALE CUSTON	MER:	
Check all that apply:	□ Water	☐ Wastewater
under the terms of the Wh	olesale Contract for Se ater and/or Wastewater	oppointed by the CUSTOMER's GOVERNING BODY , prvices, Section 15, as the VOTING MEMBER and System Advisory Committee. The term is for the Fiscal ber 30, 2020.
Voting Member:		Alternate Member
Name		Name
Title		Title
Office Phone		Office Phone
Cell Phone		Cell Phone
Email Address		Email Address
Mailing Address:		Mailing Address:
		Official Seal
Signature of Mayor/Board	President	

Please complete and return as soon as possible, but no later than December 2, 2019 to:

WaterWholesale@fortworthtexas.gov

or

City of Fort Worth Water Department Billing Section/Wholesale P. O. Box 870 Fort Worth, Texas 76101

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. B.4

FROM: Debbie Whitley, Asst. City Manager/Director of Finance

ITEM: Approve finance reports for the month of October 2019.

SUMMARY:

Finance reports are prepared and presented to Council for approval each month. The purpose of the reports is to keep the Council informed on the status of the City's revenues and expenses as related to the current year budget projections for major funds and on the cash and investment balances for all funds.

FISCAL IMPACT:

N/A

ATTACHMENTS:

October 2019 Finance Reports

RECOMMENDED MOTION OR ACTION:

Approve finance reports for the month of October 2019.

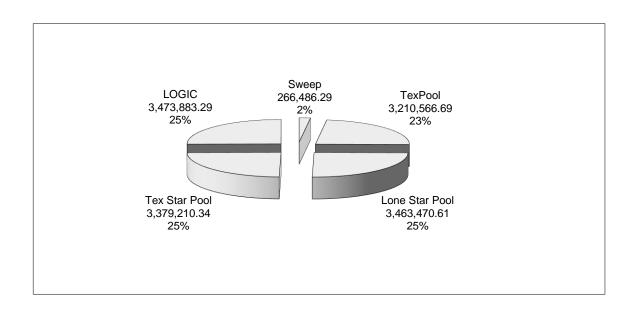
CITY OF LAKE WORTH CASH POSITION As of October 31, 2019

	Checking		Lone Star			
	Account	TexPool	Pool	TexStar	LOGIC	Total
General Fund	68,822.19	1,920,665.12	1,903,818.10	2,203,370.09	1,909,057.52	8,005,733.02
Park Fund	11,668.41	179,341.97			188,305.80	379,316.18
Child Safety Fund	8,420.16					8,420.16
Court Technology	6,975.58					6,975.58
Court Security Fund	22,120.76				53,098.61	75,219.37
Confiscated Property Fund	1,651.87					1,651.87
Street Maintenance		394,373.03	395,425.75	414,304.80	395,562.81	1,599,666.39
Crime Control	30,234.29	143,042.36	140,964.98	167,497.98		481,739.61
PEG Fund					85,541.19	85,541.19
Water/Sewer Fund	76,693.69	513,577.65	526,818.32		504,864.93	1,621,954.59
Debt Service	9,923.90	59,566.56	59,485.13			128,975.59
Vehicle Replacement Fund			106,802.77	251,184.67		357,987.44
2008 CO Series				4,196.28		4,196.28
Hotel/Motel Tax Fund	29,975.44		330,155.56	338,656.52	337,452.43	1,036,239.95
Total All Cash & Invstments	266,486.29	3,210,566.69	3,463,470.61	3,379,210.34	3,473,883.29	13,793,617.22

CITY OF LAKE WORTH INVESTMENT ACTIVITY As of October 31, 2019

The Public Funds Investment Act requires the Finance Officer to submit not less than quarterly a list of investments, their net asset value (NAV) and their weighted average maturity (WAM). Listed below are the City's investments, their respective NAV and WAM or collateral status.

Total Funds Held In Checking Accounts Subject To Overnight Sweep	\$266,486.29
(Funds covered by FDIC and Pledged Collateral by Bank of Texas)	
Total Funds Held In TexPool	\$3,210,566.69
(NAV \$1.00 per share, 3,210,567 shares; WAM 1 day)	
Total Funds Held In Lone Star Pool	\$3,463,470.61
(NAV \$1.00 per share, 3,463,471 shares; WAM 1 day)	
Total Funds Held In TexStar Pool	\$3,379,210.34
(NAV \$1.00 per share, 3,379,210 shares; WAM 1 day)	
Total Funds Held In LOGIC	\$3,473,883.29
(NAV \$1.00 per share, 3,473,883 shares; WAM 1 day)	
Total All Funds	\$13,793,617.22



Prepared By: Debbie Whitley

Date: November 5, 2019

CITY OF LAKE WORTH EXPENDITURE REPORT October 2019

		CURRENT	YEAR TO	UNEXPENDED	%
CATEGORY	BUDGETED	MONTH	DATE	BALANCE	EXPENDED
GENERAL FUND					
Mayor/Council	16,777.00	5,284.40	5,284.40	11,492.60	31%
Administration	570,822.00	46,153.13	46,153.13	524,668.87	8%
Admin-Finance	487,986.00	42,028.90	42,028.90	445,957.10	9%
Admin-HR/Risk Mgmt	162,959.00	20,150.36	20,150.36	142,808.64	12%
Admin-Multi-Purpose Center	26,375.00	246.66	246.66	26,128.34	1%
Admin-Multi-LW Area Museum	5,675.00	408.41	408.41	5,266.59	7%
Police	2,707,270.00	198,565.02	198,565.02	2,508,704.98	7%
Fire	2,709,846.00	228,193.73	228,193.73	2,481,652.27	8%
Street	1,289,789.00	54,111.58	54,111.58	1,235,677.42	4%
Library	338,991.00	27,612.37	27,612.37	311,378.63	8%
Parks	936,846.00	34,930.55	34,930.55	901,915.45	4%
Maintenance Dept	76,654.00	6,220.49	6,220.49	70,433.51	8%
Senior Citizens	129,268.00	5,836.05	5,836.05	123,431.95	5%
Municipal Court	253,417.00	19,357.39	19,357.39	234,059.61	8%
Animal Control	132,248.00	12,750.82	12,750.82	119,497.18	10%
Emergency Management	39,900.00	8,151.96	8,151.96	31,748.04	20%
Permits & Inspections	313,108.00	29,616.80	29,616.80	283,491.20	9%
P & I - Planning & Zoning	104,439.00	12,211.66	12,211.66	92,227.34	12%
P & I - Code Compliance	27,650.00			27,650.00	0%
Information Technology	552,888.00	51,281.89	51,281.89	501,606.11	9%
Economic Dev Activities	517,489.00	13,792.51	13,792.51	503,696.49	3%
Total General Fund	11,400,397.00	816,904.68	816,904.68	10,583,492.32	7%

WATER/SEWER FUND					
Administration	298,746.00	8,834.71	8,834.71	289,911.29	3%
Water Supply	888,421.00	17,818.34	17,818.34	870,602.66	2%
Water Distribution	398,195.00	59,301.52	59,301.52	338,893.48	15%
Sewer Department	1,247,894.00	13,228.62	13,228.62	1,234,665.38	1%
Total Water/Sewer	2,833,256.00	99,183.19	99,183.19	2,734,072.81	4%

CITY OF LAKE WORTH REVENUE REPORT October 2019

(Numbers in UNRECEIVED BALANCE WITH (-) INDICATES REVENUE RECEIVED OVER BUDGETED AMOUNT

		CURRENT	YEAR TO	UNRECEIVED	%
CATEGORY	BUDGETED	MONTH	DATE	BALANCE	RECEIVED
GENERAL FUND					
Property Taxes	1,002,444.00	20,553.87	20,553.87	981,890.13	2%
Franchise Fees	450,000.00	151.11	151.11	449,848.89	0%
Sales and Beverage Taxes	7,580,000.00			7,580,000.00	0%
Fines and Warrants	430,035.00	28,328.68	28,328.68	401,706.32	7%
License & Permits	123,875.00	12,397.24	12,397.24	111,477.76	10%
Sanitation	198,335.00	16,975.98	16,975.98	181,359.02	9%
Animal Control	9,300.00	1,195.00	1,155.00	8,145.00	12%
Investment Income & Misc	1,052,874.00	78,642.89	78,642.89	974,231.11	7%
Due From Other Funds	300,316.00			300,316.00	0%
Use of Prior Year Reserves	253,218.00			253,218.00	0%
Transfer In-Other Funds					0%
Total General Fund	11,400,397.00	158,244.77	158,204.77	11,242,192.23	1%
WATER/SEWER FUND	1 424 845 00	122 847 00	122 847 00	1 301 997 91	9%
Water Sales	1,424,845.00	122,847.09	122,847.09	1,301,997.91	9%
Water Tap Fees	1,500.00			1,500.00	0%
Water Service Charge	60,000.00	6,616.52	6,616.52	53,383.48	11%
Sewer Charges	1,260,000.00	93,232.88	93,232.88	1,166,767.12	7%
Sewer Tap Fees	4,000.00			4,000.00	0%
New Service Set Up Fee		400.00	400.00	-400.00	#DIV/0!
Interest Income & Miscellaneous	90,960.00	29,361.56	29,361.56	61,598.44	32%
Transfers In	189,153.00			189,153.00	0%
Use of Prior Year Reserves				0.00	#DIV/0!
Total Water/Sewer Fund	3,030,458.00	252,458.05	252,458.05	2,777,999.95	8%
DEBT SERVICE FUND	4 407 050 00	007.040.00	400 557 50	700 700 11	0001
Property Tax Revenue	1,197,356.00	327,919.36	430,557.59	766,798.41	36%
Investment Income & Misc	7,500.00	375.19	593.64	6,906.36	8%
Transfers In	423,943.00	0.00	0.00	423,943.00	0%
Use of Prior Year Reserves	51,000.00			51,000.00	0%
Total Debt Service	1,679,799.00	328,294.55	431,151.23	1,248,647.77	26%

CITY OF LAKE WORTH GF SALES TAX ANALYSIS FOR SEPTEMBER 2019 REVENUE

		Current % Incr or
Net Payment	•	Decrease
October 2019	536,869.74	
October 2018	523,370.53	2.579%
October 2017	529,575.79	1.377%
YTD Net Payme	ent	
Current YTD Total	7,451,089.60	
YTD, Last Year	7,404,757.80	0.626%
YTD, 2 Years Ago	7,442,502.72	0.115%
Command Davis d Call	a etia wa	
Current Period Colle October 2019	ections 528,943.84	
		3.118%
October 2019	528,943.84	3.118% -0.644%
October 2019 October 2018 October 2017	528,943.84 512,948.05 532,374.52	
October 2019 October 2018	528,943.84 512,948.05 532,374.52	
October 2019 October 2018 October 2017 YTD Current Period Co	528,943.84 512,948.05 532,374.52 collections	

CITY OF LAKE WORTH PARK FUND

As of October 31, 2019

REVENUE SOURCE:		
	UTILITY DONATIONS	798.00
	DONATIONS - KIDS & TREES	0.00
	DONATIONS - NAVAJO PARK	0.00
	DONATIONS - RAYL PARK	0.00
	DONATIONS - LAKE WORTH PARK	0.00
	INVESTMENT INCOME	0.00
	CONTRIBUTIONS FROM OTHER FUNDS	0.00
	MISCELLANEOUS	0.00
Total Revenue		798.00
EXPENDITURE CATEGO	ORY:	
	MISCELLANEOUS	-5.00
	PARK MAINTENANCE	0.00
	CHARBONNEAU PARK	0.00
	LAKE WORTH PARK	52.86
	NAVAJO PARK	0.00
	GRAND LAKE PARK	0.00
	REYNOLDS PARK	0.00
	RAYL PARK	0.00
	TELEPHONE ROAD PARK	0.00
	DAKOTA PARK	0.00
	EQUIPMENT PURCHASE/IMPROVEMENTS	0.00
Total Expenditure		47.86
REVENUE OVER EXPE	NDITURES	750.14
	<u>CASH POSITION</u>	
CHECKING		11,668.41
INVESTMENTS		367,647.77
TOTAL CASH		379,316.18

CITY OF LAKE WORTH STREET MAINTENANCE October 2019

Revenue

(Numbers in UNRECEIVED BALANCE WITH (-) INDICATES REVENUE RECEIVED OVER BUDGETED AMOUNT

		CURRENT	YEAR TO	UNRECEIVED	%
CATEGORY	BUDGETED	MONTH	DATE	BALANCE	RECEIVED
Interest & Misc Income	27,000.00			27,000.00	0%
Transfers In	200,607.00			200,607.00	0%
Use of Prior Yr Rsrvs	608,568.00			608,568.00	
Total Revenue	836,175.00	0.00	0.00	836,175.00	0%

Expenditures

		CURRENT	YEAR TO	UNEXPENDED	%
CATEGORY	BUDGETED	MONTH	DATE	BALANCE	EXPENDED
Miscellaneous				0.00	0%
Barricades & Markers	25,000.00			25,000.00	0%
Street Projects	545,055.00	2,039.00	2,039.00	543,016.00	0%
Concrete Replacement	266,120.00			266,120.00	0%
Total Expenditures	836,175.00	2,039.00	2,039.00	834,136.00	0%

CITY OF LAKE WORTH CCPD October 2019

Revenue

(Numbers in UNRECEIVED BALANCE WITH (-) INDICATES REVENUE RECEIVED OVER BUDGETED AMOUNT

		CURRENT	YEAR TO	UNRECEIVED	%
CATEGORY	BUDGETED	MONTH	DATE	BALANCE	RECEIVED
Sales Tax	1,070,000.00			1,070,000.00	0%
SRO Reimbursement	89,124.00	7,427.00	7,427.00	81,697.00	8%
Interest & Misc Income	14,750.00			14,750.00	0%
Use of Prior Yr Rsrvs				0.00	
Total Revenue	1,173,874.00	7,427.00	7,427.00	1,166,447.00	1%

Expenditures

		CURRENT	YEAR TO	UNEXPENDED	%
CATEGORY	BUDGETED	MONTH	DATE	BALANCE	EXPENDED
Salaries	929,621.00	83,179.34	83,179.34	846,441.66	9%
Supplies	25,450.00	8,781.02	8,781.02	16,668.98	35%
Maintenance	28,225.00	691.24	691.24	27,533.76	2%
Services	98,136.00	24,471.93	24,471.93	73,664.07	25%
Equipment	7,000.00	2,281.39	2,281.39	4,718.61	33%
Transfers Out	85,080.00			85,080.00	0%
Total Expenditures	1,173,512.00	119,404.92	119,404.92	1,054,107.08	10%

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. C.1

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Discuss and consider a waiver from Ordinance No. 826, Design Criteria and

Construction Standards, Section XIII - Drainage and Storm Sewer, B. Hydrology,

4. Runoff Calculations.

SUMMARY:

The applicant for for Planning and Zoning Case No. PZ-2019-21 requested a waiver from the Design Criteria and Construction Standards, Section XIII - Drainage and Storm Sewer, B. Hydrology, 4. Runoff Calculations to grant the following relief:

- 1) Not account for the fully developed conditions for the offsite area located in the City of Fort Worth. This consideration will require the City of Fort Worth to detain future development of the site located within their jurisdiction; and
- 2) Allow the developer to take into account existing conditions or the future detained conditions for this area. All onsite drainage will be required to follow the City of Lake Worth's criteria.

City Engineer, Misty Christian, agrees with the proposed request and has determined it would not adversely impact the development.

FISCAL IMPACT:

N/A

RECOMMENDED MOTION OR ACTION:

Move to approve a waiver from Ordinance No. 826, Design Criteria and Construction Standards, Section XIII - Drainage and Storm Sewer, B. Hydrology, 4. Runoff Calculations.

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. C.2

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Discuss and consider a Utilities and Stormwater Facilities Maintenance Agreement

with Correll Development Group for the Lakeview Heights Addition.

SUMMARY:

Attached is the maintenance agreement for the onsite utilities and stormwater facilities for the Lakeview Heights 10.58 acre site for the Age Restricted Senior Living Community. This agreement provides for the owner of the development to keep up with the maintenance of these facilities.

The agreement provides for the following:

- 1. Landowner, and its successors, shall adequately construct and maintain the facility at no expense to the city;
- 2. The facility includes all pipes, channels or other conveyances built to convey water, wastewater, and stormwater;
- 3. Inspection and report of the entire facility shall be preformed annually and provided to the city;
- 4. The landowner grants the city permission to enter the property and preform an inspection as a follow-up to reported deficiencies and response to complaints;
- 5. In the event the landowner fails to maintain the facility the city has permission to access the property and take whatever steps necessary to correct deficiencies and charge those costs to the landowner; and
- 6. Reimbursement, for the above repairs will be charged to the landowner and repayment required within 30 days. Failure to do so would result in liens being placed upon the property.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Maintenance Agreement - Exhibit "B"

RECOMMENDED MOTION OR ACTION:

Move to approve a Utilities and Stormwater Facilities Maintenance Agreement with Correll Development Group for the Lakeview Heights Addition.

UTILITIES AND STORMWATER FACILITY MAINTENANCE AGREEMENT

THIS AGREEMENT, made and entered into this 12th day of November, 2019, by and between Correll Development Group,("<u>Landowner</u>") and the City of Lake Worth, Texas ("<u>City</u>").

WITNESSETH:

WHEREAS, the Landowner is the owner of certain real property described as an approximately 10.58 acre tract located in the John Breeding Survey, Abstract 188, Tarrant County, Texas according to the deed recorded in Volume 245, Page 202, Deed Records, Tarrant County, Texas, hereinafter called the "**Property**".

WHEREAS, the Landowner is proceeding to build on and develop the Property according to the Site Plan/Subdivision Plan known as Lakeview Heights hereinafter called the "<u>Plan</u>", which is expressly made a part hereof, as approved or to be approved by the City and the Landowner provides for management of utilities and stormwater within the confines of the Property; and

WHEREAS, the City and the Landowner, and their successors and assigns, agree that the health, safety and welfare of the residents within the Property require that on-site utilities and stormwater management facilities be constructed and maintained on the Property; and

WHEREAS, the City requires that on-site water and sewer utilities and stormwater management facilities (collectively the "<u>Facility</u>") as shown on the Plan be constructed and adequately maintained by the Landowner, its successors and assigns, the location and dimensions of which is shown and more particularly described by metes and bounds in the attached <u>Exhibit A</u> ("<u>Facility Property</u>"); and

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Landowner, its successors and assigns, shall adequately construct and maintain the Facility at no expense to the City in accordance with the design specifications for the Facility, attached as Exhibit B, and the current standards then in force and effect in the City and with the Operations and Maintenance Plan attached to this Agreement as Exhibit C. The Facility includes all pipes, channels or other conveyances built to convey water, wastewater, and stormwater, as the case may be, as well as all structures, improvements, and vegetation provided to control the quantity and quality of the water, wastewater, and stormwater. Adequate maintenance is herein defined as good working condition so that the Facility is performing its designed functions.

- 2. The Landowner, its successors and assigns, shall inspect the Facility and submit an inspection report to the City annually. The purpose of the inspection is to assure safe and proper functioning of the Facility. The inspection shall cover the entire Facility, berms, outlet structure, pond areas, access roads, etc. Components of the Facility, which need maintenance or replacement to perform their design function, shall be noted in the inspection report along with the corrective actions to be taken.
- 3. The Landowner, its successors and assigns, hereby grant permission to the City, its authorized agents and employees, to enter upon the Property for the purpose of inspecting the Facility as a follow-up on reported deficiencies and/or to respond to complaints. The City shall provide the Landowner, its successors and assigns, copies of the inspection findings and a directive to commence with the repairs if necessary.
- 4. In the event the Landowner, its successors and assigns, fails to maintain the Facility in good working condition as specified herein, the City, its authorized agents and employees, may enter upon the Property and take whatever steps necessary to correct deficiencies identified in the inspection report and to charge the costs of such repairs to the Landowner, its successors and assigns. It is expressly understood and agreed that the City is under no obligation to routinely inspect, maintain, or repair said Facility, and in no event shall this Agreement be construed to impose any such obligation on the City.
- 5. The Landowner, its successors and assigns, will perform the work necessary to keep the Facility in good working order as appropriate. In the event the City, pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Landowner, its successors and assigns, shall reimburse the City upon demand, within thirty (30) days of receipt thereof for all actual costs incurred by the City hereunder. In the event that Landowner or its successors or assigns fail to pay the City for the costs incurred under this section, the City shall impress a lien for the costs of such work upon other lots owned by the Landowner. Such lien shall be perfected by filing in the office of the County Clerk of Tarrant County, Texas an affidavit identifying the property to be charged with such lien, stating the amount thereof, and making reference to this Agreement.
- 6. This Agreement imposes no liability of any kind whatsoever on the City. THE LANDOWNER AGREES TO HOLD THE CITY HARMLESS FROM ANY LIABILITY IN THE EVENT THE FACILITY FAILS TO OPERATE PROPERLY. LANDOWNER COVENANTS AND AGREES AND DOES HEREBY INDEMNIFY, HOLD HARMLESS AND DEFEND THE CITY OF LAKE WORTH, ITS OFFICIALS, AGENTS, SERVANTS AND EMPLOYEES, IN THEIR INDIVIDUAL AND OFFICIAL CAPACITIES, FROM AND AGAINST ALL COSTS, EXPENSES, LOSSES, DAMAGES, CLAIMS OR CAUSES OF ACTION WHATSOEVER ARISING, OR WHICH MIGHT ARISE, FROM THE FAILURE OF LANDOWNER OR ANY FUTURE OWNERS OF THE FACILITY PROPERTY TO PROPERLY CONSTRUCT OR MAINTAIN THE FACILITY.

7. This Agreement shall be recorded among the land records of Tarrant County, Texas, shall constitute a covenant running with the land, and shall be binding on the Landowner, its administrators, executors, assigns, heirs and any other successors in interests, including any home or property owners' association.

LANDOWNER	CITY OF LAKE WORTH, TEXAS
Name:	Stacey Almond, City Manager
Title:	
	ATTEST
	City Secretary

STATE OF TEXAS	§				
COUNTY OF TARRANT	§				
This instrument was a Stacey Almond, City Manager Lake Worth, Texas.					
		Notary Pul	blic, State	of Texas	
STATE OF TEXAS	§				
COUNTY OF TARRANT	§				
Before me, the u	ndersigned_,	authority 2019,		is onally	day of
to me to be the person who acknowledged to me and as the consideration expressed in the f	that ne act of su	the sa , and ach	ame is	s the executed th	act of e same as its
		Notary Pul	blic, State	of Texas	

EXHIBIT "A"

Facility Property Description

State of Texas County of Tarrant

Being all that certain tract or parcel of land situated in the JOHN BREEDING SURVEY, ABSTRACT 188, Tarrant County Texas, and being a portion of land conveyed to J. Hodgkins as recorded in Volume 245, Page 202, Deed Records, Tarrant County, Texas and being more particularly described by metes and bounds as follows;

Beginning at a steel rod in the East line of said Hodgkins tract, being by deed called 353.8 feet South of the Northeast corner thereof,

Thence South 00 deg. 00 min. 55 sec West with the North boundary of the C.G. Wallis Subdivision, an Addition to the City of Lake Worth Village, as recorded in Volume 388-5, Page 103, Deed Records, Tarrant County, Texas, 1388.25 feet to a found steel rod in the East right-of-way line of Hodgkins Road;

Thence North 89 deg. 56 min. 14 sec West with the East right-of-way line of said Hodgkins Road 131.50 feet to a set steel rod, at the beginning of a curve to the right having a radius of 1037.70 feet and a Chord which bears North 03 deg. 47 min. 34 sec. West and a chord length of 197.23 feet;

Thence Northerly with said curve and East right-of-way line of said Hodgkins Road, through a central angle of 10 deg. 54 min. 23 sec. an arc distance of 197.53 to a found steel rod for corner and being the Southwest corner of Lakeview Heights, an Addition to the City of Fort Worth, as recorded in Volume 388-N, Page 69, Deed Records, Tarrant County, Texas;

Thence North 89 deg. 56 min. 14 sec. East with the South boundary of said Lakeview Heights, a distance of 1422.51 feet to the PLACE OF BEGINNING and containing 10.58 acres of 460888 square feet more or less.

EXHIBIT "B"

Design Specifications for Facility

SEE ATTACHED CIVIL CONSTRUCTION PLANS FOR DESIGN SPECIFICATIONS FOR THE FACILITIES.

Exhibit "C"

OPERATION AND MAINTENANCE PLAN

General Maintenance Procedures

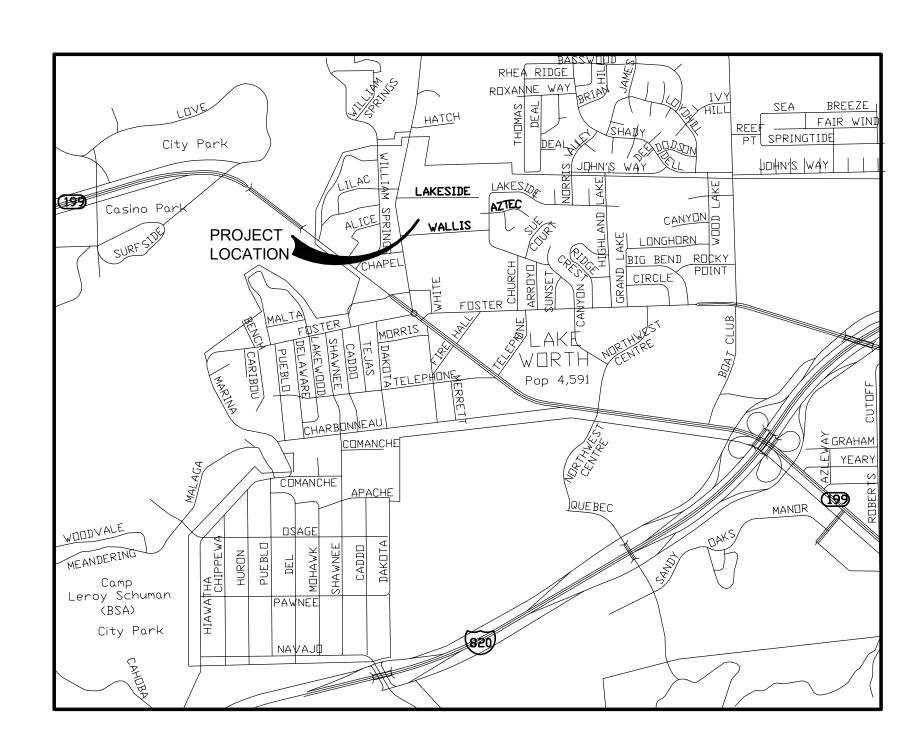
- The structural and functional integrity of the Facility shall be maintained at all times by removing and preventing drainage interference, obstructions, blockages, or other adverse effects into, through, or out of the system.
- Periodic silt removal of detention facilities shall occur when standing water conditions occur or the pond's storage volume is reduced by more than 10%. Silt shall be removed and the pond/basin returned to original lines and grades shown on the approved engineering plans. In addition, corrective measures are required any time a basin does not drain completely within 72 hours of cessation of inflow. NO STANDING WATER IS ALLOWED in basins designed for dry detention purposes.
- Accumulated litter, sediment, and debris shall be removed from detention facilities every 6 months or as necessary to maintain proper operation of the basin. Disposal shall be in accordance with federal, state and local regulations.
- Detention facilities shall be moved monthly between the months of April and October or anytime vegetation exceeds 12-inches in height.
- To prevent debris from entering and clogging the downstream storm sewer system
 a wire mesh screen or similar screening device shall be installed over the outlet of
 detention facilities until final acceptance.

Preventative Maintenance/Inspection Requirements

- Visual inspections of all components of the Facility will be conducted every 6 months.
- A log shall be kept of maintenance actions, and inspections. The log should document the condition of the working order of the Facility, as well as the detention system's primary components, mowing, and silt, litter and debris removal dates.
 Document aeration of the detention basin bottoms and replanting to prevent the sealing of the basin bottom.
- Written maintenance and repair records shall be maintained by the party or parties signing the attached Agreement and shall be provided to the City upon request.

CONSTRUCTION PLANS

TO SERVE LAKEVIEW HEIGHTS RESTRICTIVE AGE LIVING CENTER 6835 SUNVIEW DRIVE LAKE WORTH, TEXAS 76135



SHEET INDEX

SHEET NO. DESCRIPTION **COVER SHEET** PRELIMINARY PLAT **GENERAL NOTES** PAVING / DIMENSIONAL CONTROL PLAN **GRADING PLAN GRADING PLAN GRADING PLAN GRADING PLAN** EXISTING DRAINAGE AREA MAP DRAINAGE AREA MAP **SWALE CROSS SECTIONS DETENTION POND** HYDRAULIC CALCULATIONS INLET CALCULATIONS SANITARY SEWER PROFILE - LINE SS 1 **EROSION CONTROL PLAN** EROSION CONTROL PLAN C7.01 **EROSION CONTROL DETAILS EROSION CONTROL DETAILS** CONSTRUCTION DETAILS SITE SPECIFIC DETAILS CITY SANITARY SEWER DETAILS CITY SANITARY SEWER DETAILS CITY WATER DETAILS CITY WATER DETAILS CITY STORM DRAIN DETAILS CITY STORM DRAIN DETAILS

PREPARED BY:



CARRILLO ENGINEERING, LLC
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTRATION NO. F-15893
301 COMMERCE STREET, SUITE 1410
FORT WORTH, TEXAS 76102
PHONE NO.: 817-697-4996
CONTACT: ANNA C. BLACKWELL, P.E.

PRELIMINARY

NOT FOR CONSTRUCTION

THIS DRAWING IS

SUBMITTED FOR REVIEW

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ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350

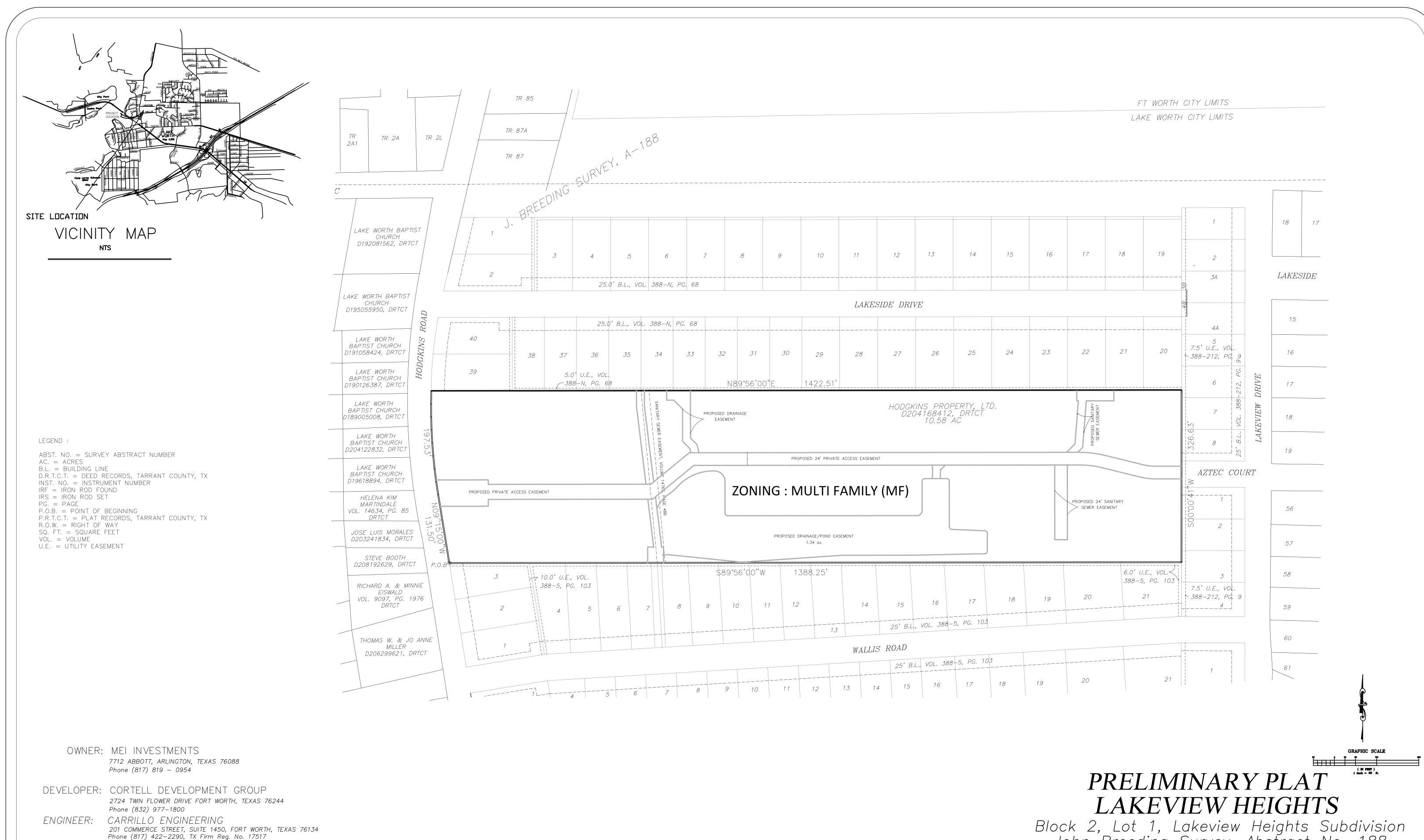
OWNED BY:

MEI INVESTMENTS

7712 ABBOTT

ARLINGTON, TEXAS 76088

PHONE: 817-819-0954



SURVEYOR: MAKI AND ASSOCIATES, INC.

P.O. BOX 14293 ARLINGTON, TEXAS 76094-1293
Phone (817) 226-2700, Firm Reg. No. 100487-00

Block 2, Lot 1, Lakeview Heights Subdivision John Breeding Survey, Abstract No. 188 4426 Hodgkins Road LAKE WORTH, TARRANT COUNTY, TEXAS

SEPTEMBER 2019
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OWNER'S CERTIFICATE

State of Texas \$ County of Tarrant \$

BEING all that certain tract or parcel of land situated in the JOHN BREEDING SURVEY, A-188, Tarrant County, Texas and being a portion of land conveyed to J. Hodgkins as recorded in Volume 245, Page 202, Deed Records, Tarrant County, Texas, and being more particularly described by metes and bounds as follows;

Beginning at a steel rod in the East line of said Hodgkins tract, being by deed call 353.8 feet South of the Northeast corner thereof,

Thence South 00 deg. 00 min. 55 sec West with the North boundary of the C.C. Wallis Subdivision, an Addition to the City of Lake Worth Village, as recorded in Volume 388-5, Page 103, Deed Records, Tarrant County, Texas, 1388.25 feet to a found steel rod in the East right-of-way line of Hodgkins Road;

Thence North 89 deg. 56 min. 14 sec West with the East right-of-way line of said Hodgkins Road 131.50 feet to a set steel rod, at the beginning of a curve to the right having a radius of 1037.70 feet and a Chord which bears North 03 deg. 47 min. 34 sec. West and a chord length of 197.23 feet;

Thence Northerly with said curve and East right-of-way line of said Hodgkins Road, through a central angle of 10 deg. 54 min. 23 sec. an arc distance of 197.53 to a found steel rod for corner and being the Southwest corner of Lakeview Heights, an Addition to the City of Fort Worth, as recorded in Volume 388-N, Page 68, Deed Records, Tarrant County, Texas;

Thence North 89 deg. 56 min. 14 sec. East with the South boundary of said Lakeview Heights, a distance of 1422.51 feet to the PLACE OF BEGINNING and containing 10.58 acres of 460888 square feet more or less.

OWNER'S DEDICATION

NOW; THEREFORE, KNOW ALL MEN BY THESE PRESENTS: THAT MEI Investments, do hereby adopt this plat, designating the herein described property as Block 2, Lot 1 LAKEVIEW HEIGHTS ESTATES, an addition to the City of Lake

Worth, Tarrant County, Texas, and	do hereby dedicate to the p	ublic use forever any easement	s show thereon.	•
OWNER: MEI INVESTMENTS				
MEI	DATE	_		
				known to me be the person whose name is under oath stated that the statements in the
GIVEN UNDER MY HAND AND SEAL (OF OFFICE this the	day of	2019.	
Notary Public in and for the State My Commission expires:	of Texas			
			145AT	

SURVEYOR'S STATEMENT

NOW; THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That I, RICHARD C. MAKI, do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the corner monuments shown thereon were properly placed, under my personal supervision.

Richard C. Maki Texas Registered Professional Land Surveyor NO. 4587

FLOODPLAIN RESTRICTION
NO CONSTRUCTION SHALL BE ALLOWED WITHIN THE FLOODPLAIN EASEMENT, WITHOUT THE WRITTEN APPROVAL OF THE DIRECTOR OF TRANSPORTATION AND PUBLIC WORKS. IN ORDER TO SECURE APPROVAL, DETAILED ENGINEERING PLANS AND/OR STUDIES FOR THE IMPROVEMENTS, SATISFACTORY TO THE DIRECTOR, SHALL BE PREPARED AND SUBMITTED BY THE PARTY(S) WISHING TO CONSTRUCT WITHIN THE FLOOD-PLAIN. WHERE CONSTRUCTION IS PERMITTED, ALL FINISHED FLOOR ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE FLOODPLAIN BASE FLOOD ELEVATION RESULTING FROM ULTIMATE DEVELOPMENT OF THE WATERSHED."

PRIVATE MAINTENANCE
THE CITY OF LAKE WORTH SHALL NOT BE RESPONSIBLE FOR MAINTENANCE OF PRIVATE STREETS, DRIVES, EMERGENCY ACCESS EASEMENTS, PUBLIC ACCESS EASEMENTS, PUBLIC PEDESTRIAN ACCESS EASEMENTS, RECREATION AREAS, OPEN SPACES AND DRAINAGE FACILITIES, AND SAID OWNERS AGREE TO INDEMNIFY AND SAVE HARMLESS THE CITY OF LAKE WORTH, TEXAS, FROM CLAIMS, DAMAGES AND LOSSES ARISING OUT OF OR FROM PERFORMANCE OF THE OBLIGATIONS OF SAID OWNERS SET FORTH IN THIS

POND MAINTENANCE
THE PROPOSED DETENTION POND WILL BE CONSTRUCTED PER PLANS AND REMAIN UNOBSTRUCTED AT ALL TIMES AND WILL BE MAINTAINED BY THE CURRENT/FUTURE PROPERTY OWNER OR IT'S ASSIGN. THE CITY OF LAKE WORTH WILL NOT BE RESPONSIBLE FOR THE MAINTENANCE, EROSION CONTROL. AND/OR OPERATION OF SAID POND. PROPERTY OWNERS SHALL KEEP THE POND CLEAN AND FREE OF DEBRIS, SILT OR OTHER SUBSTANCES WHICH WOULD RESULT IN UNSANITARY CONDITIONS, AND THE CITY SHALL HAVE THE RIGHT OF ENTRY FOR THE PURPOSE OF INSPECTING THE MAINTENANCE WORK BY THE PROPERTY OWNERS. THE POND MAY BE SUBJECT TO CATASTROPHIC STORM WATER OVERFLOW AND/OR BANK EROSION THAT CANNOT BE DEFINED. THE CITY OF LAKE WORTH SHALL NOT BE LIABLE FOR ANY DAMAGES RESULTING FROM THE

OCCURRENCE OF THOSE PHENOMENA, NOR THE FAILURE OF ANY STRUCTURE(S) WITHIN THE POND OR DRAINAGE-WAYS. THE POND IS CONTAINED WITHIN AN EASEMENT AS SHOWN ON THE PLAT.

BUILDING PERMITS

NO BUILDING PERMITS SHALL BE ISSUED FOR ANY LOT IN THIS SUBDIVISION UNTIL PROVISIONS ARE MADE FOR THE CONSTRUCTION OF ANY APPLICABLE WATER, SEWER, STORM DRAIN, STREET LIGHTS, SIDEWALKS, OR PAVING IMPROVEMENTS; AND APPROVAL IS FIRST OBTAINED FROM THE CITY OF LAKE WORTH.

CONSTRUCTION PROHIBITED OVER EASEMENTS

NO PERMANENT BUILDINGS OR STRUCTURES SHALL BE CONSTRUCTED OVER
ANY EXISTING OR PLATTED WATER, SANITARY SEWER, DRAINAGE, GAS, ELECTRIC, CABLE OR OTHER UTILITY EASEMENT OF ANY TYPE.

PRIVATE COMMON AREAS AND FACILITIES
THE CITY OF LAKE WORTH SHALL NOT BE HELD RESPONSIBLE FOR THE CONSTRUCTION, MAINTENANCE OR OPERATION OF ANY LOTS CONTAINING PRIVATE COMMON AREAS OR FACILITIES IDENTIFIED AS SUCH ON THIS PLAT. SAID AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO: PRIVATE STREETS, EMERGENCY ACCESS EASEMENTS, AND GATED SECURITY ENTRANCES; RECREATION AREAS, LANDSCAPED AREAS AND OPEN SPACES; WATER AND WASTEWATER DISTRIBUTION SYSTEMS AND TREATMENT FACILITIES; AND RECREATION/ CLUBHOUSE/EXERCISE/ BUILDINGS AND FACILITIES.

THE LAND OWNERS AND SUBSEQUENT OWNERS OF THE LOTS IN THIS SUBDIVISION, ACTING JOINTLY SHALL BE RESPONSIBLE FOR SUCH CONSTRUCTION, RECONSTRUCTION, MAINTENANCE AND OPERATION OF THE SUBDIVISION'S PRIVATE COMMON AREAS AND FACILITIES, AND SHALL AGREE TO INDEMNIFY AND HOLD HARMLESS THE CITY OF LAKE WORTH, TEXAS, FROM ALL CLAIMS, DAMAGES AND LOSSES ARISING OUT OF, OR RESULTING FROM THE PERFORMANCE OF THE OBLIGATIONS OF SAID OWNERS, AS SET FORTH HEREIN.

Flood Statement:

No portion of this property is located in Zone 'A' or 'AE' (Special Flood Hazard Areas Inundated by 100—year Flood) as shown on the FEMA, Flood Insurance Administration Rate Map, Community—Panel Number 48439C0155K, Dated 9/25/2009. This statement does not imply the property and/or structures thereon will be free from flooding and/or flood damage. Greater floods can and may occur and flood heights may be increased by man-made or natural causes. This flood statement shall not create liability on the part of the surveyor. If interested parties have concerns regarding the flooding propensities of this property, a qualified Licensed Professional Engineer should be consulted.

PRELIMINARY PLAT LAKEVIEW HEIGHTS

Block 2, Lot 1, Lakeview Heights Subdivision John Breeding Survey, Abstract No. 188 4426 Hodgkins Road LAKE WORTH, TARRÁNT COUNTY, TEXAS

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- 2. ALL CONSTRUCTION BARRICADING TO BE IN ACCORDANCE WITH CURRENT "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" GUIDELINES.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIALS AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THIS
- 4. THE CONTRACTOR SHALL CONTACT ALL FRANCHISE UTILITY COMPANIES TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION AND DEPTH OF ALL FRANCHISE UTILITY SERVICES AND ANY REQUIRED
- RELOCATION AND/OR EXTENSIONS. SERVICES SHOWN ON THE PLANS, IF ANY, ARE CONCEPTUAL 5. THE CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, SIGNS, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER GRADE BY THE CONTRACTOR PRIOR TO AND AFTER PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.
- 6. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF PIPE.
- 7. THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE CONTRACTOR SHALL PRESERVE AND PROTECT PRIVATE AND PUBLIC UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER SHALL BE NOTIFIED WHEN PROPOSED FACILITY GRADES CONFLICT WITH EXISTING UTILITY GRADES.
- 8. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY, INCLUDING, BUT NOT LIMITED TO FENCES, WALLS, PAVEMENT, GRASS, TREES, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED) AND IS NOT A SEPARATE PAY ITEM.
- SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO
- 11. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING SIGNED PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS,

9. THE CONTRACTOR SHALL REMOVE SURPLUS MATERIAL FROM THE PROJECT AREA. THIS WORK

COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS 12. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND

NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR

- WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS SHALL BE SENT TO THE ARCHITECT, CIVIL ENGINEER, CONTRACTOR AND OWNER DIRECTLY FROM THE TESTING
- 14. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- 15. CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUM PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.
- CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH
- 17. ALL HORIZONTAL DIMENSIONS GIVEN ARE TO FACE OF CURB AND TO PIPE CENTERLINES UNLESS OTHERWISE NOTED ON PLANS.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RELOCATION AND INSTALLATION OF FRANCHISE UTILITIES NECESSARY FOR ON AND OFF SITE CONSTRUCTION. PAYMENT FOR
- RELOCATION AND INSTALLATION WILL BE NEGOTIATED ONCE IDENTIFIED.

19. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE SHOWN.

- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 21. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CIVIL ENGINEER A COPY OF RECORD DRAWINGS IDENTIFYING ALL DEVIATIONS OR VARIATIONS FROM THE
- 22. CONTRACTOR SHALL GIVE NOTICE TO ALL AFFECTED PARTIES AND ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES OR RAILROADS AFFECTED BY HIS OPERATIONS, AT LEAST 48 HOURS PRIOR TO COMMENCEMENT
- 23. ALL "RECORD" DIMENSIONS SHALL CONFORM TO THE DESIGN DIMENSIONS PLUS OR MINUS 0.02 FEET. ALL "RECORD" SLOPES SHALL CONFORM TO THE DESIGNED SLOPES PLUS OR MINUS 0.005
- 24. CONTRACTOR SHALL CONTACT CITY BUILDING OFFICIAL TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THAT THE CITY MAY REQUIRE. THE CONTRACTOR IS CAUTIONED THAT THIS AND PERHAPS OTHER SUCH REQUIREMENTS MAY EXIST AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND COMPLY WITH THEM.
- 25. ALL CONSTRUCTION STAKING SHALL BE RESPONSIBILITY OF THE CONTRACTOR.

STORM SEWER NOTES

- 1. ALL STORM DRAINAGE PIPE SHALL BE HDPE AND SHOULD BE INSTALLED PER MANUFACTURE'S
- 2. ROCK RIP RAP RUBBLE SHALL USE 12" (MINIMUM) ROCKS AND BE GROUTED SO THAT 6" OF THE ROCKS ARE EXPOSED.
- NO PRECAST INLETS ARE PERMITTED FOR PUBLIC DRAINAGE SYSTEMS.
- 4. CONTRACTOR SHALL FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CONSTRUCTION MANAGER IMMEDIATELY IF A CONFLICT IS DISCOVERED
- 5. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS, GRATE INLETS, AND ALL UTILITIES CROSSING THE STORM SEWER. FLOW LINES AND RIMS OF PROPOSED INLETS SHALL BE VERIFIED WITH THE PROPOSED GRADE PRIOR TO CONSTRUCTION. 6. THE END OF ALL STORM SEWER LATERALS THAT CONNECT TO WORK BY PLUMBER SHALL BE
- TIGHTLY PLUGGED OR CAPPED AND MARKED 5.0 FEET OUTSIDE THE BUILDING UNTIL FINAL CONNECTIONS ARE MADE BY PLUMBING CONTRACTOR.
- 7. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES
- 8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS.

NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.

- 9. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- 10. EXISTING MANHOLE TOPS AND ALL OTHER DRAINAGE FACILITIES SHALL BE ADJUSTED AS REQUIRED TO MATCH FINAL GRADES AS SHOWN ON GRADING PLAN. NO SEPARATE PAY ITEM.

STORM SEWER DISCHARGE AUTHORIZATION

- 1. IF THE TOTAL DISTURBED AREA EXCEEDS ONE (1) ACRE A NOTICE OF INTENT (N.O.I.) SHALL BE SUBMITTED BY THE CONTRACTOR TO THE TCEQ NO LESS THAN 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 2. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN A CONTRACTOR CERTIFICATION STATEMENT ACKNOWLEDGING THEIR RESPONSIBILITIES AS SPECIFIED IN THE SWPPP.
- 3. A COPY OF THE SWPPP, INCLUDING CONTRACTOR CERTIFICATIONS AND ANY REVISIONS, SHALL BE SUBMITTED TO THE CITY AND FILED WITH THE CONSTRUCTION PLANS, AND SHALL BE RETAINED ON-SITE DURING CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR FILING A NOTICE OF TERMINATION AS REQUIRED BY

- 1. ALL WATER MAINS SHALL BE PVC AWWA-C900, DR18, CLASS 150. FIRE LINES SHALL BE AWWA C-900, DR18, CLASS 200.
- GATE VALVES SHALL CONFORM TO ANSI/AWWA C509-87J.
- 3. CITY ORDINANCE PROHIBITS ANYONE (OTHER THAN CITY EMPLOYEES) FROM OPENING OR CLOSING A WATER VALVE WHICH IS PART OF THE ACTIVE PUBLIC SYSTEM.
- 4. ALL FITTINGS SHALL BE RESTRICTED WITH ANCHORING COUPLINGS OR RETAINING HARNESSES
- ALL FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYVINYL PLASTIC.
- 6. THE MINIMUM HORIZONTAL SEPARATION BETWEEN ANY WATER MAIN AND A STORM DRAIN FACILITY SHALL BE EQUAL TO 2.5 FEET OR HALF THE DEPTH OF THE WATER LINE, WHICHEVER IS
- 7. ROUTE WATER LINES AROUND STORM DRAIN INLETS WITH A MINIMUM OF 12" CLEARANCE OUT-TO-OUT. MINIMUM DEFLECTION RADII SHALL BE ADHERED TO.
- 8. MINIMUM DEPTH OF COVER OVER ALL WATER MAINS SMALLER THAN TEN (10") INCHES IN DIAMETER SHALL BE THREE (3') FEET. MINIMUM DEPTH OF COVER FOR WATER MAINS TEN (10") INCHES AND LARGER SHALL BE THREE AND ONE-HALF (3.5') FEET.
- 9. ALL PORTIONS (EXCLUDING CHAINS) OF FIRE HYDRANT ABOVE GRADE SHALL BE PAINTED WITH TNEMEC SERIES 02H HI-BUILD TNEME-GLOSS. COLOR: CHILEAN RED.
- 10. BLOW-OFF HYDRANTS ARE TO BE SURROUNDED WITH HIGH VISIBILITY CONSTRUCTION FENCING FOR THE DURATION OF CONSTRUCTION ACTIVITY.
- 11. EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALTHOUGH THIS DATA IS SHOWN AS ACCURATELY AS POSSIBLE, THE CONTRACTOR IS CAUTIONED THAT THE OWNER AND THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF THIS
- 12. THE CONTRACTOR IS TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- 13. HORIZONTAL AND VERTICAL BLOCKING FOR WATER LINES HAS BEEN OMITTED FOR CLARITY. HOWEVER, BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS.
- 14. CORPORATION STOPS SHALL BE TESTED FOR FULL FLOW WHEN THE SYSTEM IS PRESSURE
- 15. ALL NEW WATER LINES SHALL BE FULLY PURGED.
- 16. ALL UNDERGROUND FIRE LINES SHALL BE INSPECTED PER CITY STANDARDS AND SPECIFICATIONS.

SANITARY SEWER NOTES

- 1. ALL SANITARY SEWER PIPE SHALL BE SDR 35 PVC (ASTM D-3034), UNLESS THE LINE IS DEEPER THAN 10 FEET, THEN SDR 26 PVC SHALL BE USED.
- 2. ALL SANITARY SEWER LINES ARE TO HAVE ONE 18 FOOT MINIMUM JOINT CENTERED BELOW
- WATER MAIN CROSSINGS. 3. THE MINIMUM SEPARATION BETWEEN ANY SANITARY SEWER MAIN AND A STORM DRAIN FACILITY SHALL BE EQUAL TO 2.5 FEET OR HALF THE DEPTH OF THE SANITARY SEWER, WHICHEVER IS
- 4. SERVICES WHICH ARE CONNECTED TO MANHOLES SHALL BE INSTALLED A MINIMUM OF 8 INCHES ABOVE THE MAIN FLOWLINE.
- 5. EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALTHOUGH THIS DATA IS SHOWN AS ACCURATELY AS POSSIBLE, THE CONTRACTOR IS CAUTIONED THAT THE CITY AND THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF THIS
- 6. THE CONTRACTOR IS TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO
- CONSTRUCTION. 7. TYPICAL LOCATION OF SANITARY SEWER PIPE SHALL BE A MINIMUM OF 4'-0" BELOW TOP OF CURB EXCEPT WHERE SHOWN OTHERWISE IN THESE PLANS.
- 8. ALL FLEXIBLE SANITARY SEWER MAINS SHALL BE TESTED WITH STANDARD 5% DEFLECTION
- 9. ALL SANITARY SEWER LINES SHALL BE CAPPED WITH AN APPROPRIATE CAP AT THE END OF EACH
- 10. WHEN EXISTING GRADES ARE LOWER THAN PROPOSED MAINS, THE FILL AREA OVER THE PIPE SHALL BE FILLED AND COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY TO THE PROPOSED FINISHED GRADE PRIOR TO INSTALLING ANY MAIN.
- 11. ALL PUBLIC SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED PER CITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.

TRAFFIC CONTROL NOTES

- 1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS TO THE OWNER, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
- 2. ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), LATEST VERSION.
- 3. THE CONTRACTOR SHALL COVER EXISTING SIGNS AND OBLITERATE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE INTENT OF THESE TRAFFIC CONTROL PLANS TO AVOID CONFUSION TO THE TRAVELING PUBLIC.
- 4. THE CONTRACTOR SHALL UNCOVER EXISTING SIGNS AND REPLACE PAVEMENT MARKINGS IN-KIND AS ORIGINALLY CONFIGURED AT THE END OF CONSTRUCTION OPERATIONS AND PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
- 5. ALL TEMPORARY SIGNS, BARRICADES, WARNING LIGHTS AND OTHER MISCELLANEOUS TRAFFIC CONTROL MEASURES SHALL BE REMOVED AND ORIGINAL TRAFFIC CONTROL MEASURES REPLACED AT THE END OF THE CONTRACTOR'S CONSTRUCTION OPERATIONS.

EROSION CONTROL NOTES

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. THE CONTRACTOR SHALL USE SEDIMENT FILTERS OR OTHER MEASURES APPROVED BY THE ENGINEER AND CONSTRUCTION MANAGER TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM CLOGGING STORM SEWER PIPES OR PROPOSED OR EXISTING INLETS, OR FROM BEING TRANSPORTED TO ADJACENT PROPERTIES AND STREET RIGHT-OF-WAYS. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND SHALL REMAIN IN PLACE UNTIL FINAL GRADING AND PAVING IS COMPLETE AND PERMANENT SOIL STABILIZATION IS ACHIEVED.
- 2. CONSTRUCTION OPERATIONS SHALL BE MANAGED SO THAT AS MUCH OF THE SITE AS POSSIBLE IS LEFT COVERED WITH EXISTING TOPSOIL AND VEGETATION.
- 3. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION TRAFFIC UTILIZES THE STABILIZED ENTRANCE AT ALL TIMES FOR INGRESS/EGRESS TO THE SITE.
- 4. CONSTRUCTION ENTRANCE:
 - MINIMUM SIZE STONE: 5-INCHES DIAMETER
 - THICKNESS: NOT LESS THAN 8-INCHES
- LENGTH: AS SHOWN ON PLAN
- WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS AND EGRESS. MAINTENANCE REQUIREMENTS: AS NECESSARY TO PREVENT TRACKING OR FLOWING
- MUD INTO PUBLIC RIGHT-OF-WAY OR PARKING AREAS.
- 5. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT

- SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY SHALL BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
- 6. CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE REQUIRED EROSION CONTROL DEVICES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ACCUMULATED SILT IN ANY EROSION CONTROL DEVICE SHALL BE REMOVED AND SHALL BE DISTRIBUTED ON SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ANY EROSION CONTROL DEVICE WHICH IS DISTURBED.
- 7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE FILTER BARRIER (OR OTHER METHOD APPROVED BY THE ENGINEER AND CITY) AS REQUIRED TO PREVENT ADVERSE OFF SITE IMPACTS OR STORM WATER QUALITY FROM SILT AND CONSTRUCTION DEBRIS FLOWING ONTO ADJACENT PROPERTIES AS REQUIRED BY THE CITY.
- 8. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF CONSTRUCTION AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROTECT AND PRESERVE CONTROL POINTS AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE GRADING CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- 9. CONTRACTOR STAGING AREA TO BE AGREED UPON BY OWNER PRIOR TO BEGINNING CONSTRUCTION.
- 10. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY THE T.C.E.Q. OR THE GOVERNING CITY.

- 1. ALL AREAS DISTURBED DURING CONSTRUCTION, INCLUDING AREAS OUTSIDE THE CONSTRUCTION BOUNDARY SHALL BE SEEDED AND HYDROMULCHED OR SODDED TO RE-ESTABLISH VEGETATION (AT LEAST 70%) PRIOR TO FINAL ACCEPTANCE. A CUMULATIVE APPROACH WHERE A PORTION OF THE DISTURBED AREA IS 100% VEGETATED AND OTHER AREAS ARE LEFT BARE IS NOT ACCEPTABLE.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF A MAXIMUM NUMBER OF PASSING FIELD DENSITY TESTS ON LIME STABILIZED SUBGRADE EQUAL TO THE RATIO OF 1 PER 100 LINEAR FEET OF STREET AND ALL FAILING DENSITY TESTS AND REQUIRED MOISTURE-DENSITY CURVES.
- 3. ALL FILL SHALL ADHERE TO GEOTECHNICAL REPORT BY: TRINITY ENGINEERING/KLEINFELDER, JOB # D01-2663 DATED AUGUST 2001. STOCKPILING OF EXCESS FILLS WILL NOT BE ALLOWED WITHIN CITY LIMITS WITHOUT OBTAINING A FILL/EXCAVATION PERMIT.
- 4. GRADING SHALL NOT RESULT IN SLOPES GREATER THAN 4' HORIZONTAL TO 1' VERTICAL (4:1). 5. GRADING SHALL BE COMPLETE IN ACCORDANCE WITH THE APPROVED PLANS PRIOR TO THE
- OWNER ACCEPTING THE PROJECT. 6. SLOPES CREATED BY EXCAVATION OR FILL SHALL NOT EXCEED 3' HORIZONTAL TO 1' VERTICAL (3:1) FOR A PERIOD MORE THAN 120 DAYS. IF LONGER THAN 120 DAYS THE SLOPE SHALL NOT EXCEED 4' HORIZONTAL TO 1' VERTICAL (4:1).
- 7. ALL STATE AND LOCAL REQUIREMENTS FOR STORM WATER POLLUTION PREVENTION PLANS
- 8. IF A GRADING PERMIT IS REQUIRED FROM THE CITY PRIOR TO STARTING CONSTRUCTION,
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT AND PAYING ALL ASSOCIATED FEES. 9. CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION. IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE
- 10. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE EXISTING AND PROPOSED FACILITIES AND NO PONDING IN PAVED AREAS. CONTRACTOR ADJUSTMENTS TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE IS ALLOWED WITH THE PRIOR APPROVAL OF THE ENGINEER. CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PAVING IF ANY AREAS OF POOR DRAINAGE ARE
- 11. THE CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES, AND TELEPHONE BOXES WHICH ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.
- 12. ALL EXISTING CONCRETE PAVING, CHANNEL IMPROVEMENTS, SIDEWALK, STRUCTURES AND CURB DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF BY THE CONTRACTOR, OFFSITE UNLESS OTHERWISE DIRECTED BY THE OWNER OR ENGINEER
- 13. ALL CLEARING, GRADING, COMPACTION AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE TO THE GEOTECHNICAL REPORT: ECS TEXAS, LLP., ECS JOB # 19:6558 DATED JUNE
- 14. GRADING CONTRACTOR TO COORDINATE WITH THE FRANCHISE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.

- 1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF LAKE WORTH STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
- 2. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY THE CONSTRUCTION MANAGER AND ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION. IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN
- 3. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER AND CITY) AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION.
- 4. ALL EXCAVATING IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY THE GRADING CONTRACTOR AT HIS EXPENSE.
- 5. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- 6. THE CONTRACTOR SHALL PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. THAT ARE TO REMAIN OR BE RELOCATED DURING ALL 7. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE

CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL

PLACEMENT. 8. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE NOMINATION OF THE TESTING LABORATORY AND THE PAVEMENT OF SUCH TESTING SERVICES SHALL BE MADE BY THE CONTRACTOR. THE OWNER SHALL APPROVE THE LABORATORY NOMINATED TO DO THE TESTING OF MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW BY

MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO

REQUIREMENTS OF THE CITY'S SPECIFICATIONS AND THESE PLANS. 9. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

STANDARD TESTING PROCEDURES THAT THE WORK CONSTRUCTED DOES MEET THE

10. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT FOR PAVEMENT MARKINGS SHALL ADHERE TO SECTION 2.9 OF THE N.C.T.C.O.G. STANDARD SPECIFICATIONS UNDER "TRAFFIC

- 11. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1990.
- 12. REFERENCE CITY OF LAKE WORTH STANDARD CONSTRUCTION DETAILS FOR HANDICAP RAMP AND OTHER PAVING DETAILS.
- 13. REFERENCE LANDSCAPE PLANS BY OTHERS FOR LOCATION AND TYPE OF HANDICAP RAMPS TO
- BE PROVIDED AND FOR FLATWORK. 14. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR
- CONSTRUCTION AND ANY SPECIAL PROVISION AS APPROVED BY THE CITY OF LAKE WORTH. 15. CONTRACTOR RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY CITY OF LAKE
- WORTH OF TRAFFIC CONTROL PLAN PRIOR TO START OF CONSTRUCTION. 16. SIDEWALKS TO CONFORM TO THE MINIMUM STANDARDS PER CITY OF LAKE WORTH CONSTRUCTION DETAILS.
- 17. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE LOCATED OUT OF THE PEDESTRIAN AND AUTOMOBILE ROUTES. SIGN HEIGHT, LOCATION, AND STRUCTURE SHALL BE SUCH THAT THE SIGNS POSE NO THREAT TO PUBLIC SAFETY AND CONFORM TO THE STANDARDS ESTABLISHED PER CITY OF LAKE WORTH DESIGN CRITERIA AND CONSTRUCTION STANDARDS DATED OCTOBER 12, 1999, MARCH 12, 2002 AND MAY 16, 2006.
- 18. CONTRACTOR SHALL VERIFY HANDICAP RAMPS COMPLY WITH A.D.A. AND T.A.S STANDARDS.
- 19. REFER TO GEOTECHNICAL REPORT FOR SOIL COMPACTION SPECIFICATION.
- 20. CONSTRUCTION JOINTS SHALL BE REQUIRED AT INTERRUPTIONS OF PAVING OPERATIONS SUCH AS THOSE OCCURRING AT THE END OF THE DAY OR DUE TO WEATHER OR EQUIPMENT BREAKDOWN. PLACE AT LONGITUDINAL CONSTRUCTION OR ISOLATION JOINT LOCATIONS.
- 21. CONTRACTOR TO INSTALL CONSTRUCTION JOINTS IN CONCRETE PAVEMENT AT ALL PC'S AND AS CONVENIENT TO PHASING OF POURS. CONCRETE PAVEMENT TO BE CONSTRUCTED WITH ISOLATION JOINTS AROUND THE PERIMETER OF ANY BLOCK OUT IN PAVEMENT AND SAWED DUMMY JOINTS NO FARTHER THAN EVERY 12' IN BOTH DIRECTIONS.
- 22. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
- 23. RADIAL JOINTS SHALL BE NO SHORTER THAN 24".
- 24. ALL CONSTRUCTION JOINTS SHALL BE SAWED, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH HOT POURED RUBBER JOINT SEALING COMPOUND.
- 25. CONTRACTOR TO SUBMIT JOINTING PLAN TO ENGINEER FOR REVIEW PRIOR TO ANY PAVING

GEOTECHNICAL REPORT

BY: TRINITY ENGINEERING/KLEINFELDER

PROJECT NO. D01-2663

DATED: August 3, 2001

26. THE CONTRACTOR SHALL OBTAIN A STREET USE PERMIT FOR ANY PAVING WORK IN PUBLIC

PRELIMINARY NOT FOR CONSTRUCTION THIS DRAWING IS SUBMITTED FOR REVIEW PURPOSES ONLY. IT IS **NOT INTENDED FOR** PERMITTING OR BIDDIN NGINEER OF RECORD

ANNA C. BLACKWELL, P.E.

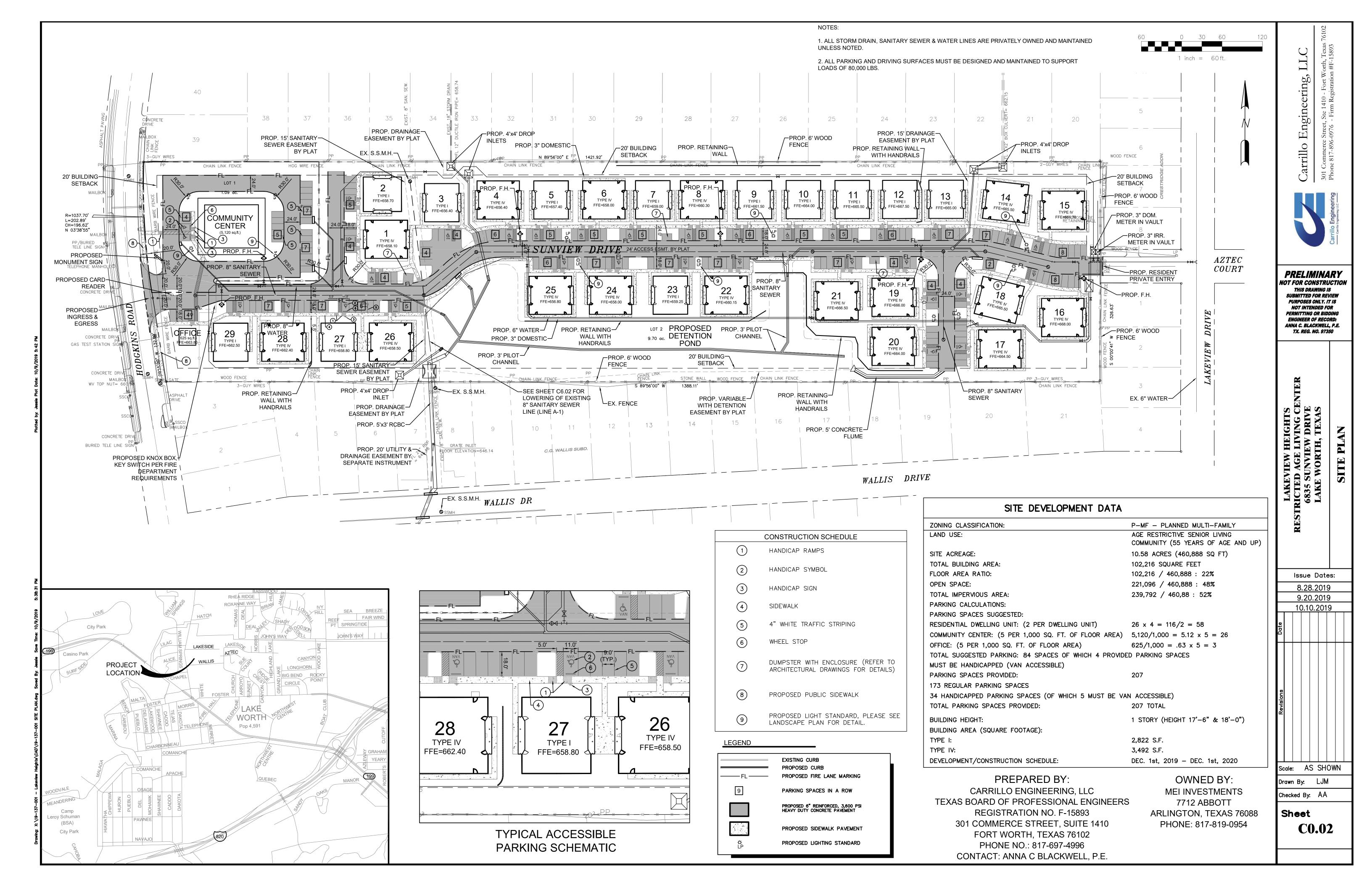
TX. REG. NO. 97350

8.28.2019 9.20.2019 10.10.2019

Issue Dates:

Scale: AS SHOWN Drawn By: LJM

Checked By: AA







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PERMITTING OR BIDDING

ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350

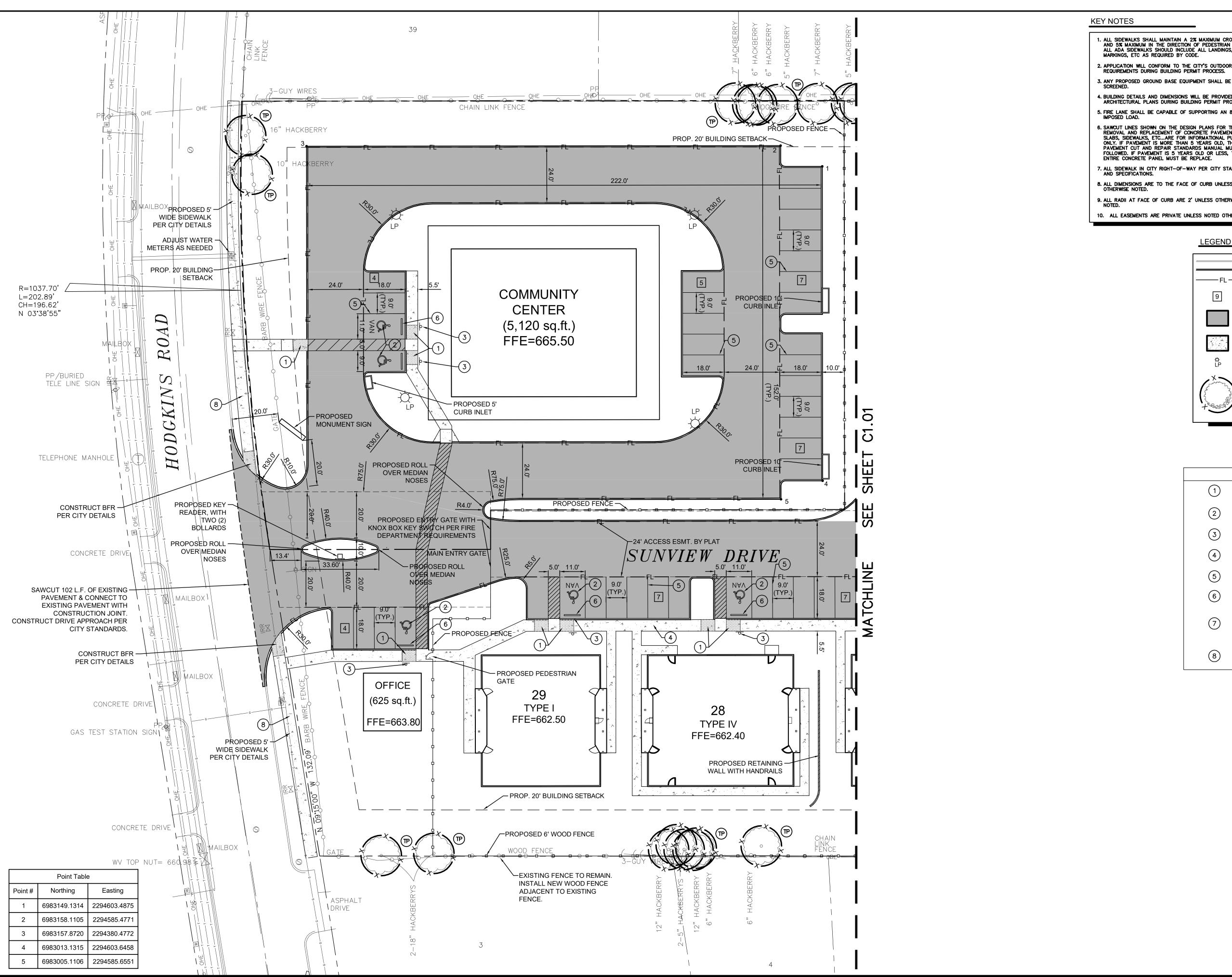
& PROPOSED STRUCTURES

Issue Dates: 8.28.2019 9.20.2019

10.10.2019

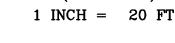
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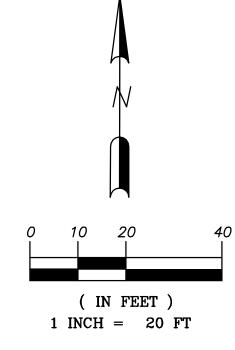
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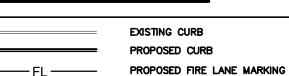


- 1. ALL SIDEWALKS SHALL MAINTAIN A 2% MAXIMUM CROSS SLOPE AND 5% MAXIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. ALL ADA SIDEWALKS SHOULD INCLUDE ALL LANDINGS,
- 2. APPLICATION WILL CONFORM TO THE CITY'S OUTDOOR LIGHTING REQUIREMENTS DURING BUILDING PERMIT PROCESS.
- 4. BUILDING DETAILS AND DIMENSIONS WILL BE PROVIDED IN ARCHITECTURAL PLANS DURING BUILDING PERMIT PROCESS.
- 5. FIRE LANE SHALL BE CAPABLE OF SUPPORTING AN 80,000 LB. IMPOSED LOAD.
- 6. SAWCUT LINES SHOWN ON THE DESIGN PLANS FOR THE REMOVAL AND REPLACEMENT OF CONCRETE PAVEMENT, DRIVES, SLABS, SIDEWALKS, ETC...ARE FOR INFORMATIONAL PURPOSES ONLY. IF PAVEMENT IS MORE THAN 5 YEARS OLD, THE PAVEMENT CUT AND REPAIR STANDARDS MANUAL MUST BE FOLLOWED. IF PAVEMENT IS 5 YEARS OLD OR LESS, THE ENTIRE CONCRETE PANEL MUST BE REPLACE ENTIRE CONCRETE PANEL MUST BE REPLACE.
- 7. ALL SIDEWALK IN CITY RIGHT-OF-WAY PER CITY STANDARDS
- 8. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- 9. ALL RADII AT FACE OF CURB ARE 2' UNLESS OTHERWISE NOTED.
- 10. ALL EASEMENTS ARE PRIVATE UNLESS NOTED OTHERWISE.

LEGEND







PARKING SPACES IN A ROW

PROPOSED 6" REINFORCED, 3,600 PSI HEAVY DUTY CONCRETE PAVEMENT PROPOSED SIDEWALK PAVEMENT

PROPOSED LIGHT FIXTURE

TREE TO REMAIN W/ TREE PROTECTION

CONSTRUCTION SCHEDULE

HANDICAP RAMPS

HANDICAP SYMBOL

HANDICAP SIGN

SIDEWALK

4" WHITE TRAFFIC STRIPING

WHEEL STOP

DUMPSTER WITH ENCLOSURE (REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS)

PROPOSED PUBLIC SIDEWALK

CAUTION!! CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.

> STOP! **CALL BEFORE YOU DIG**

DIG TESS 1-800-DIG-TESS (at least 72 hours prior to digging)

C1.00

NOT FOR CONSTRUCTION THIS DRAWING IS SUBMITTED FOR REVIEW PURPOSES ONLY. IT IS NOT INTENDED FOR PERMITTING OR BIDDING **ENGINEER OF RECORD:** ANNA C. BLACKWELL, P.E. TX. REG. NO. 97350

PRELIMINARY

Engineering,

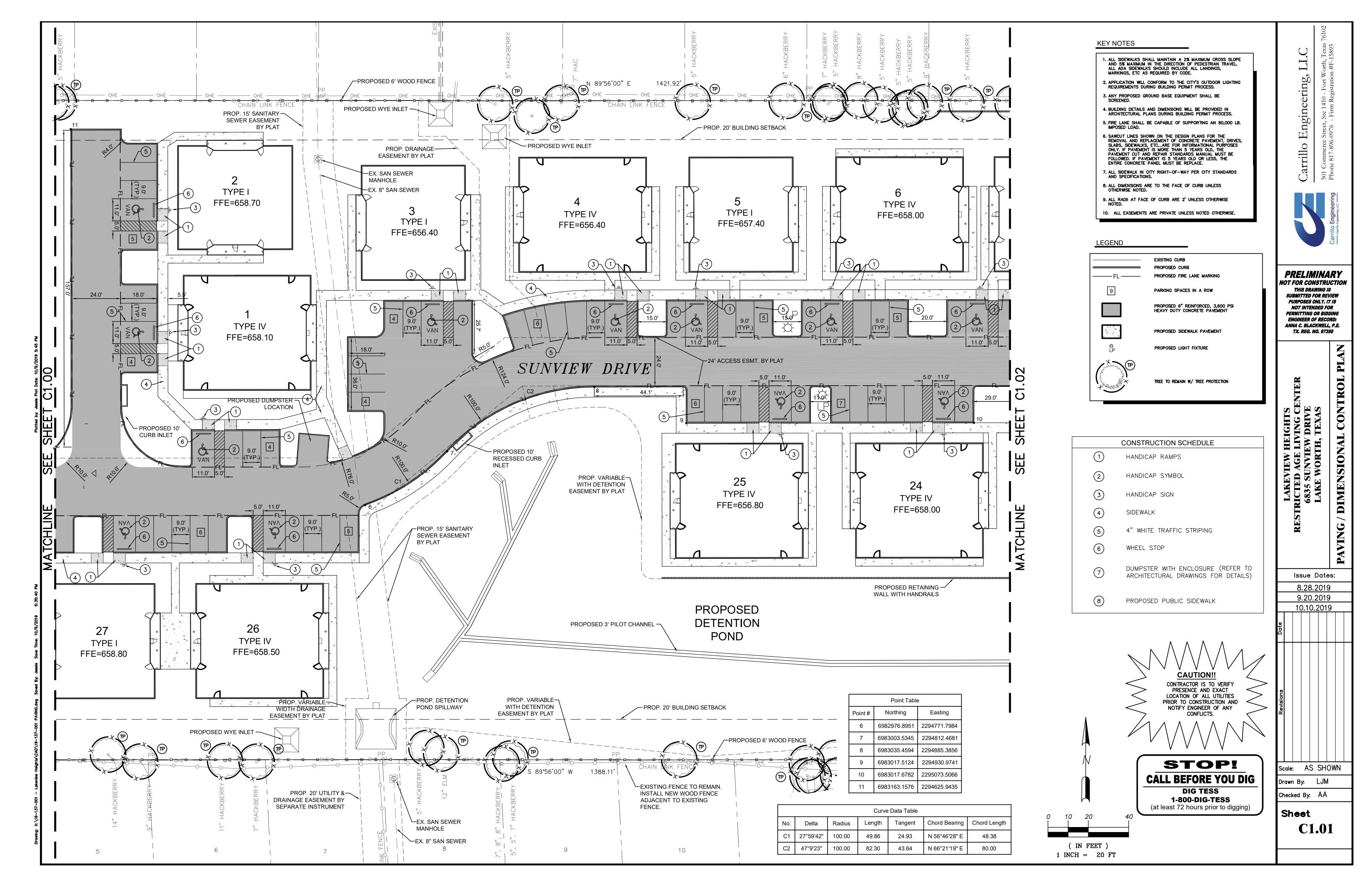
Carrillo

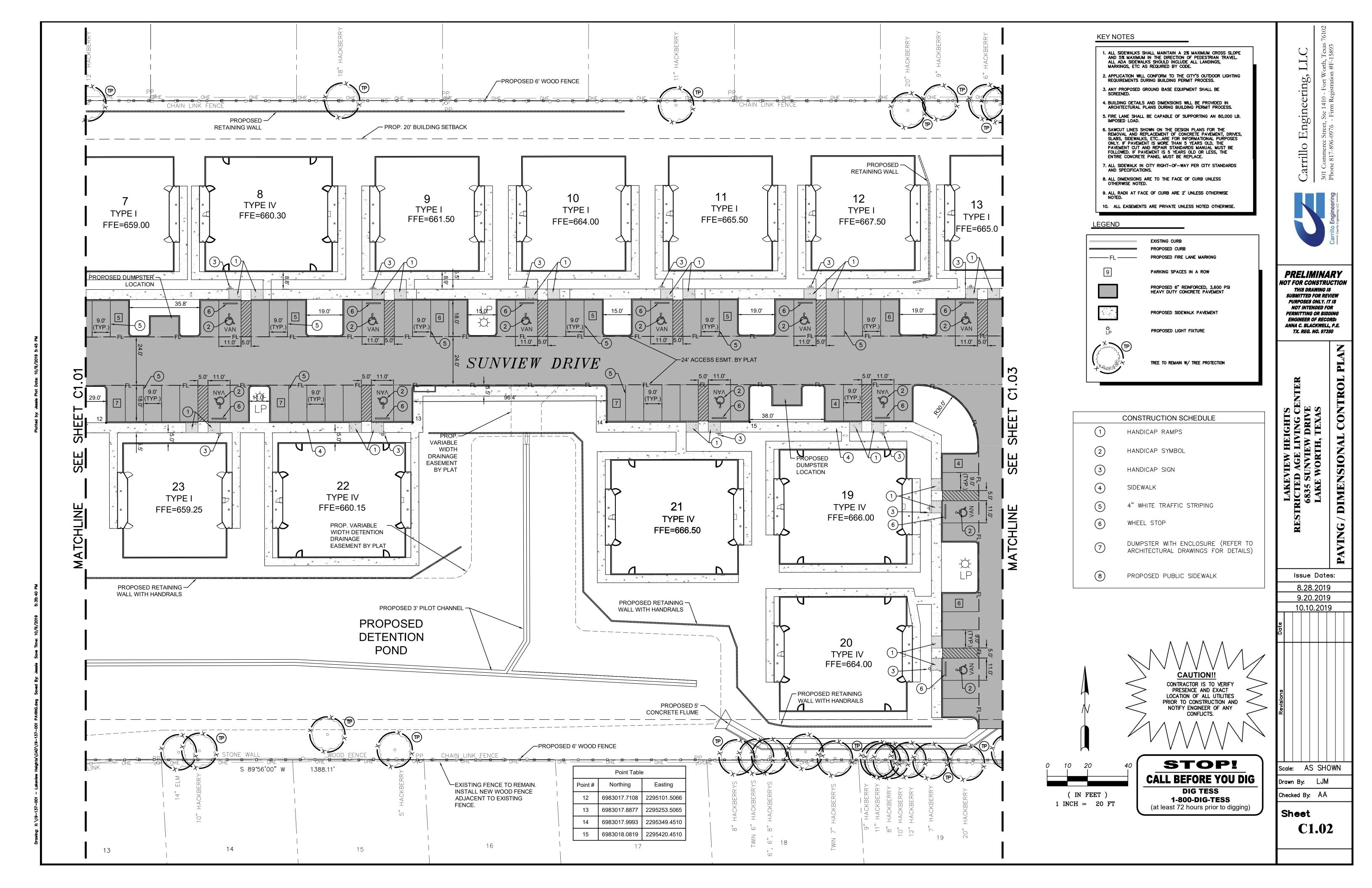
CONTROL **IMENSIONAL**

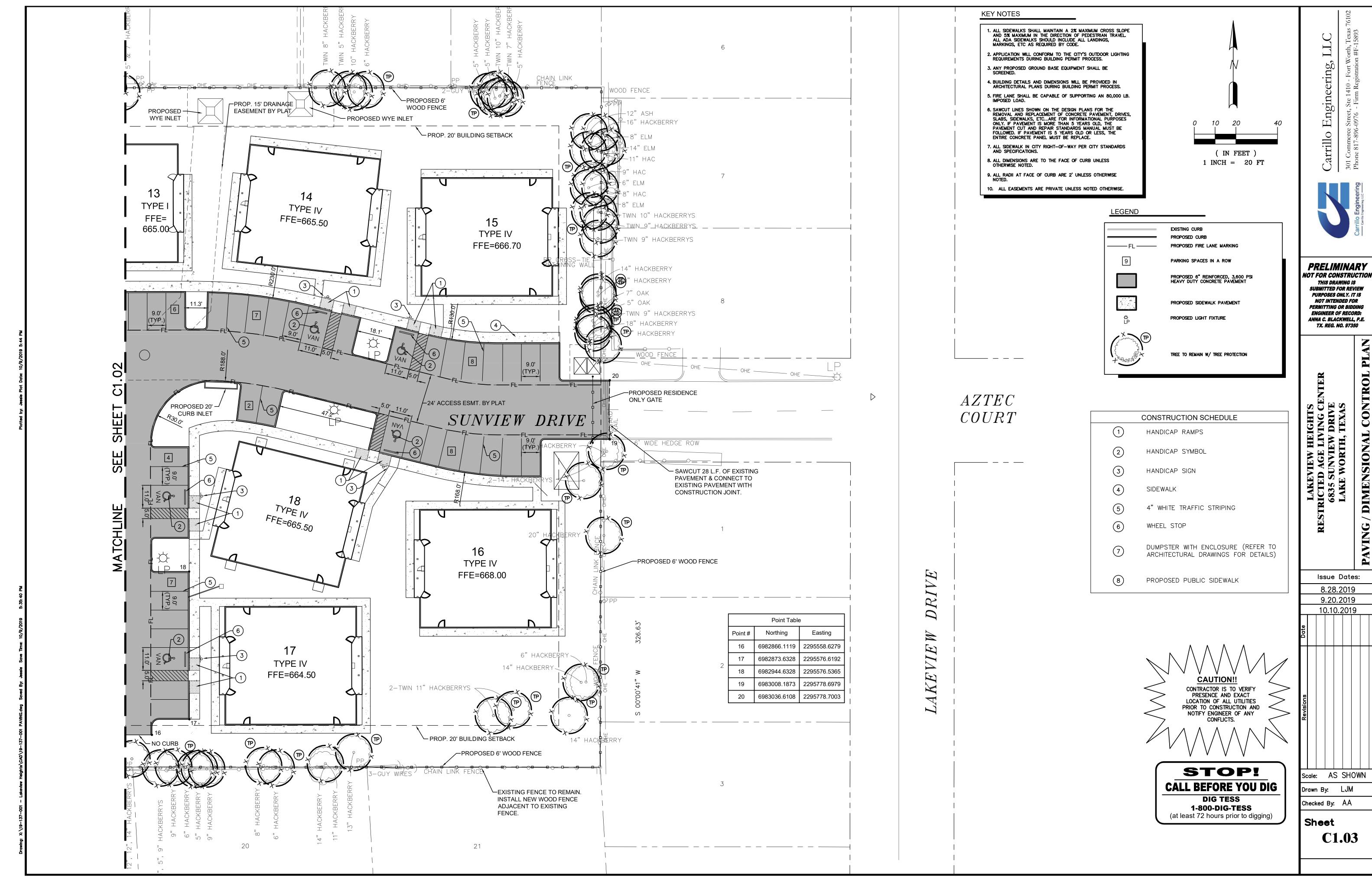
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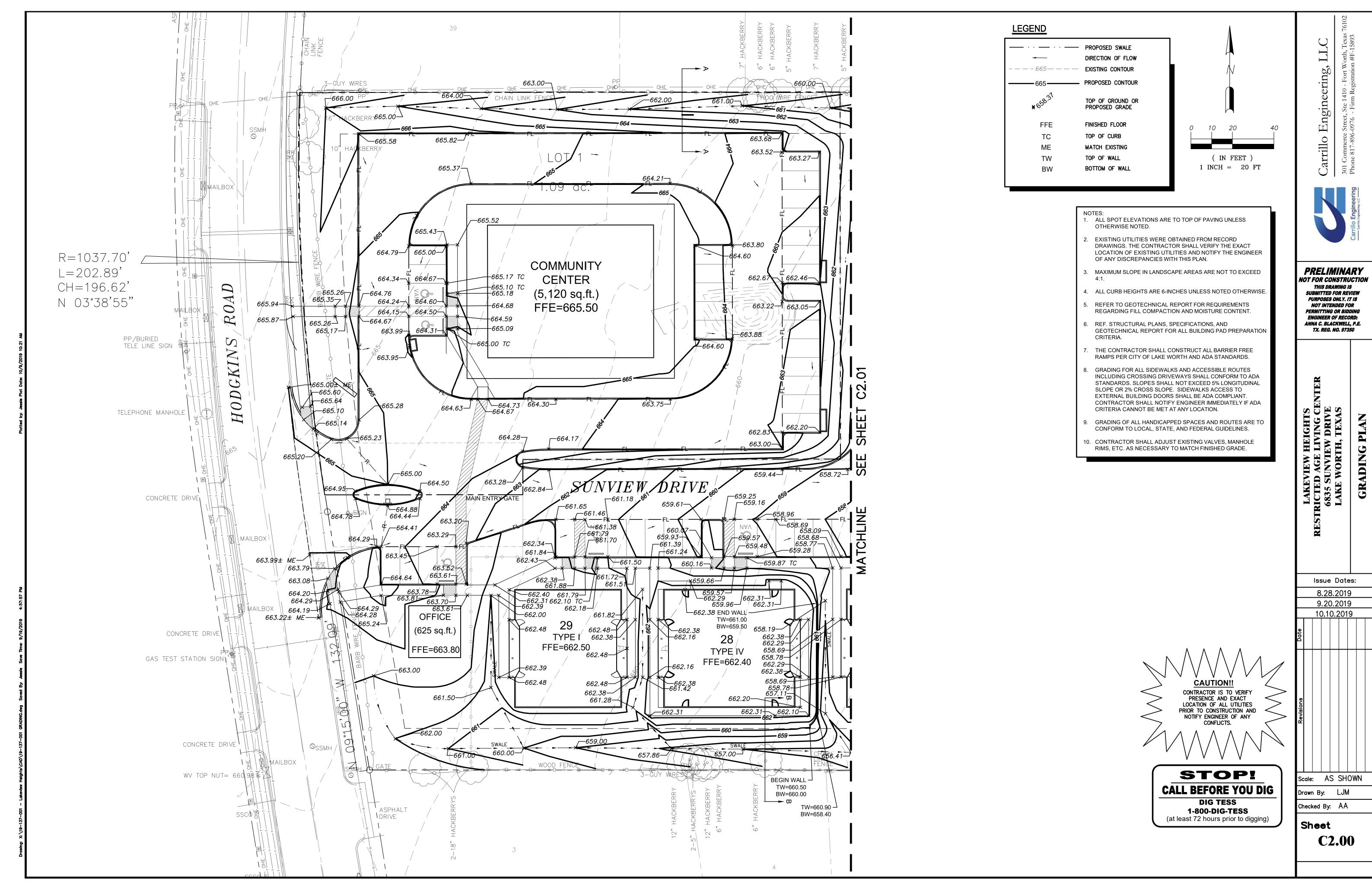
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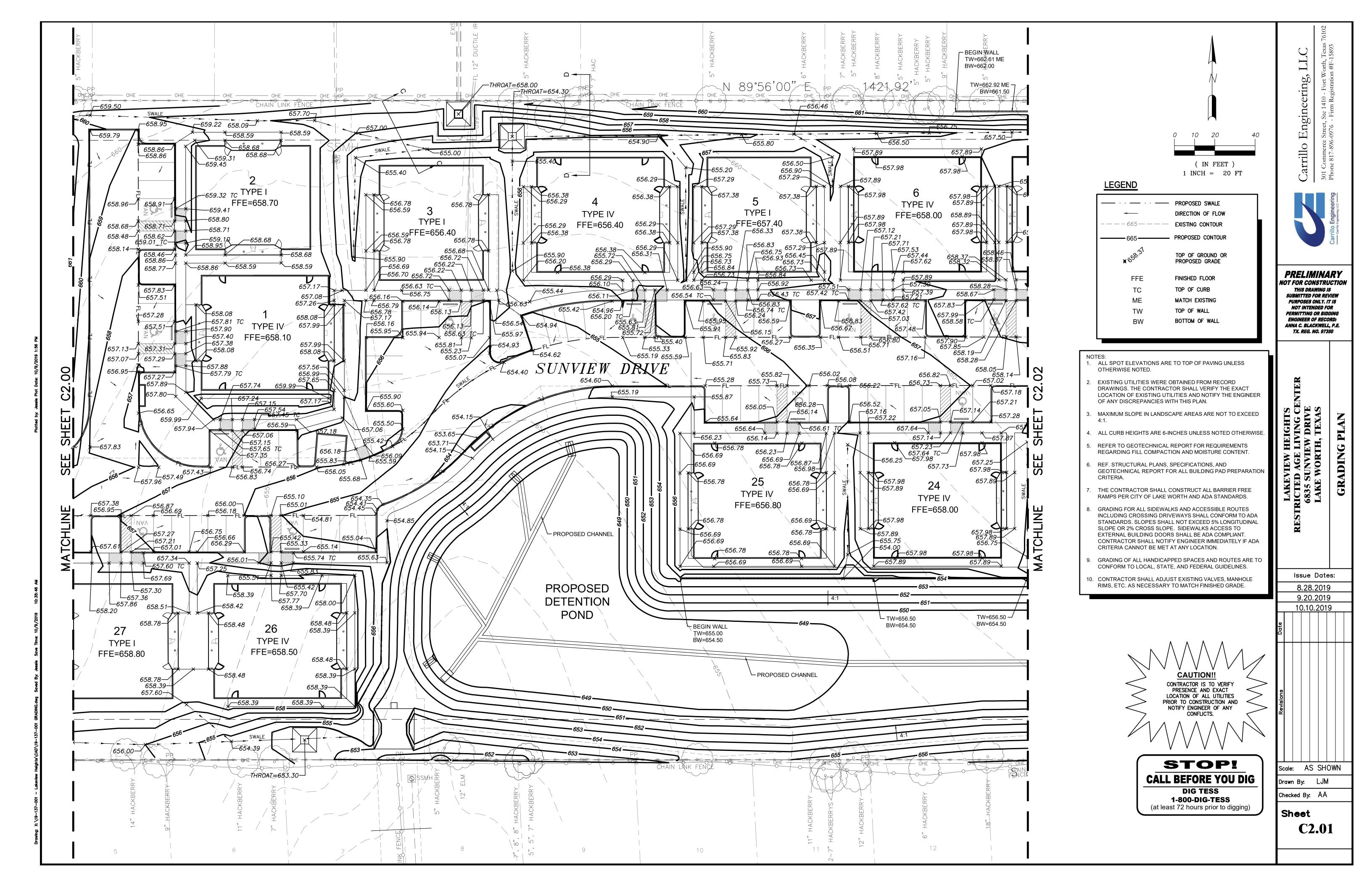
Drawn By: LJM Checked By: AA

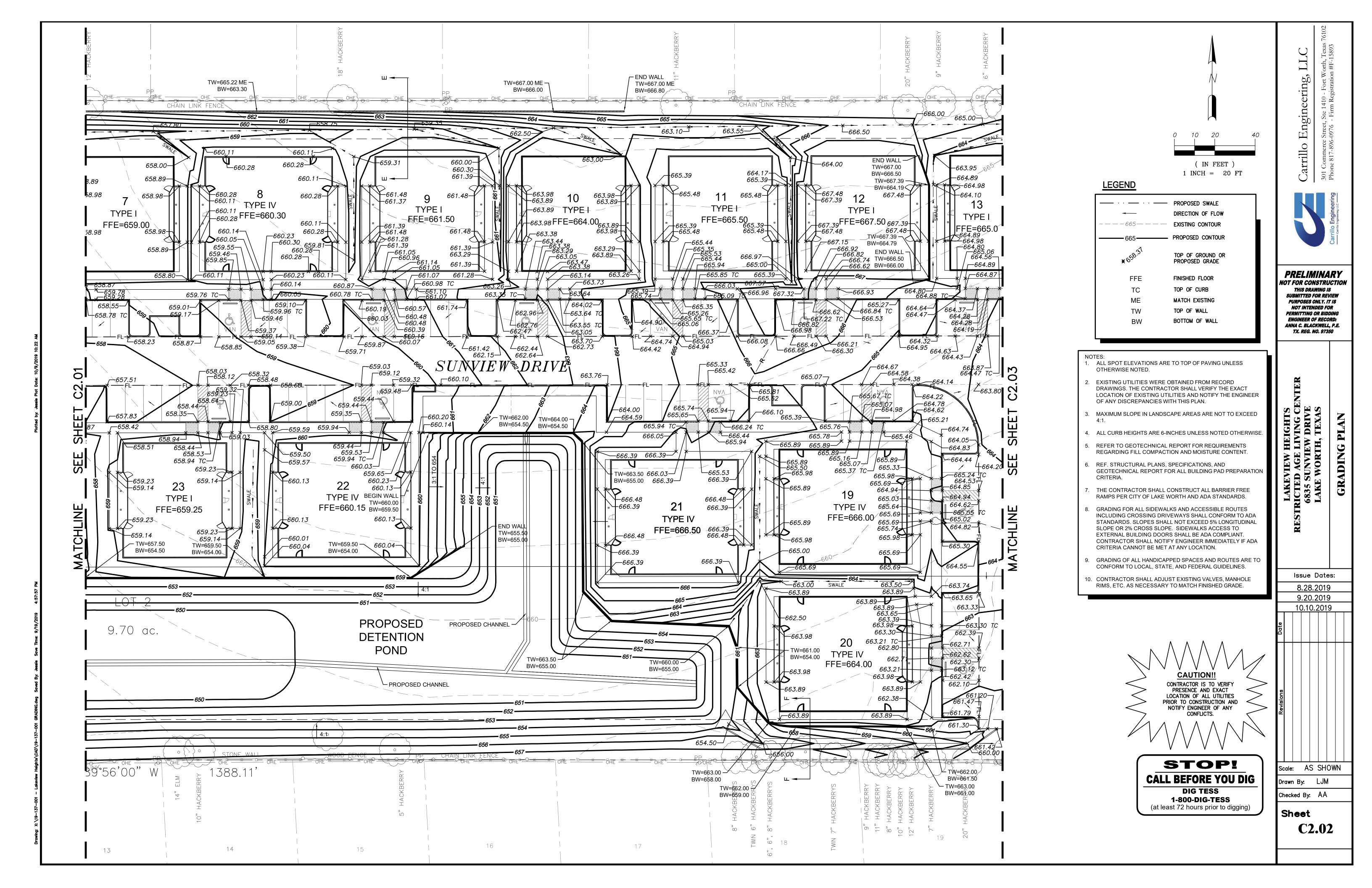


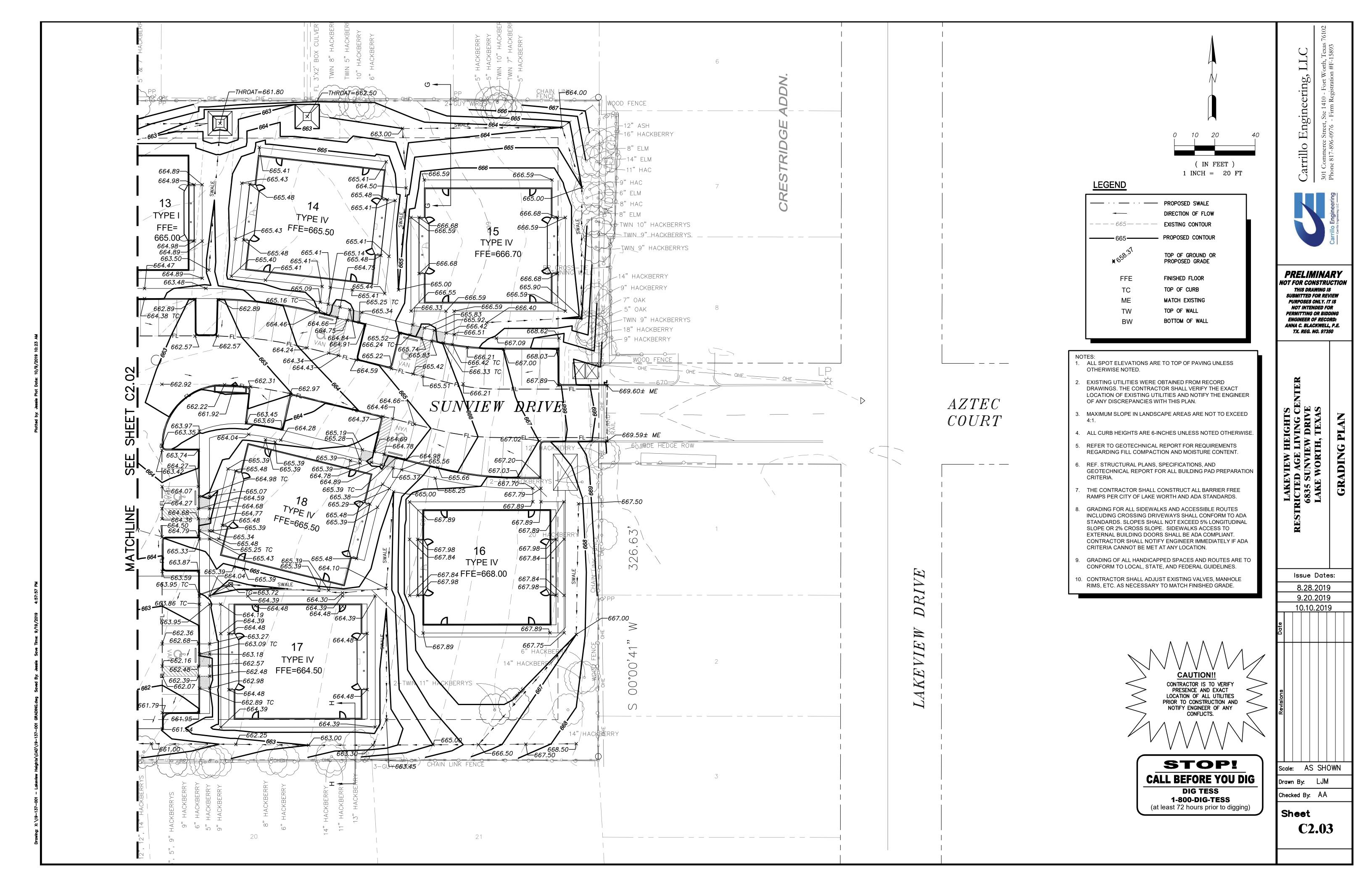


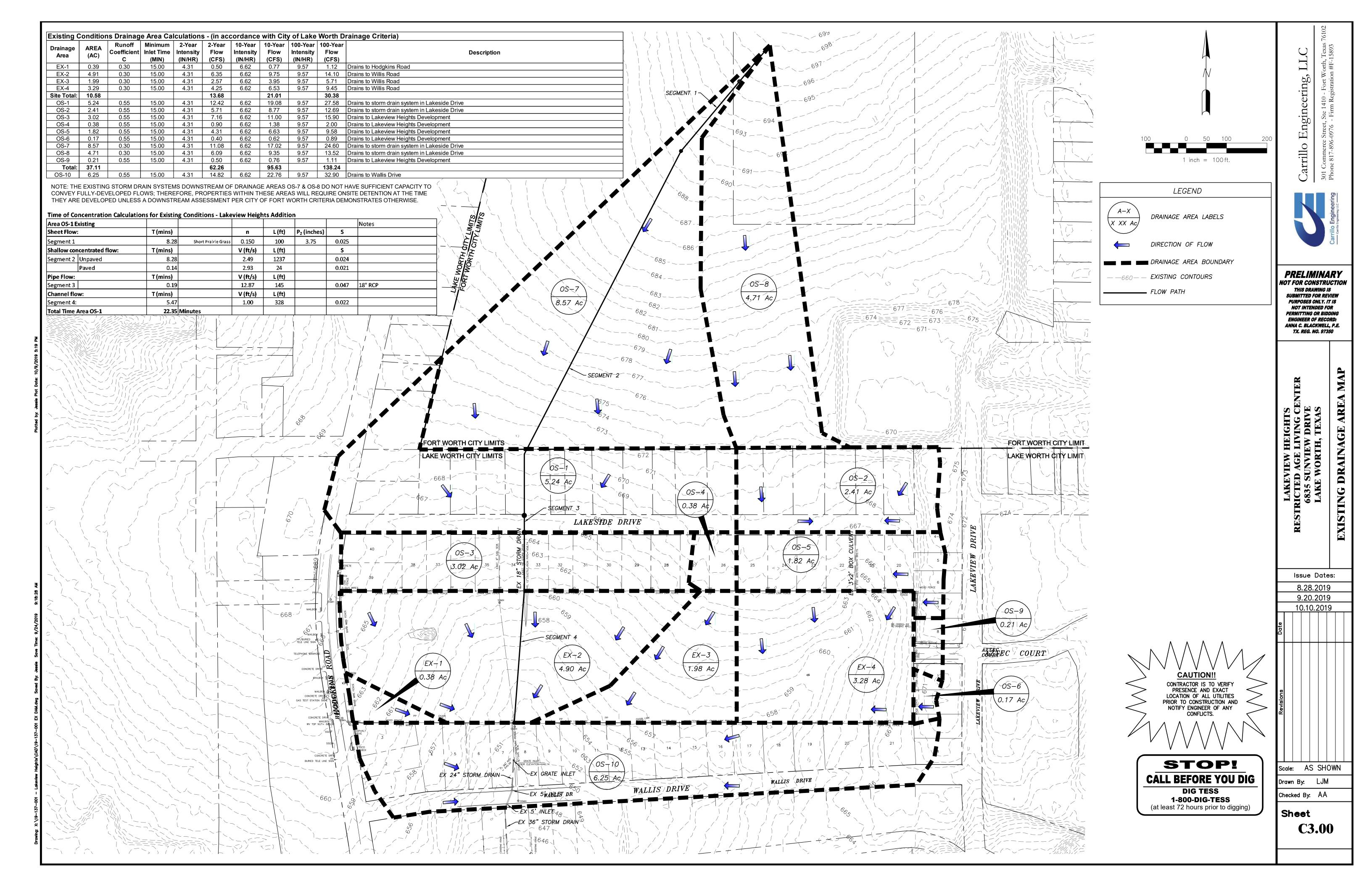


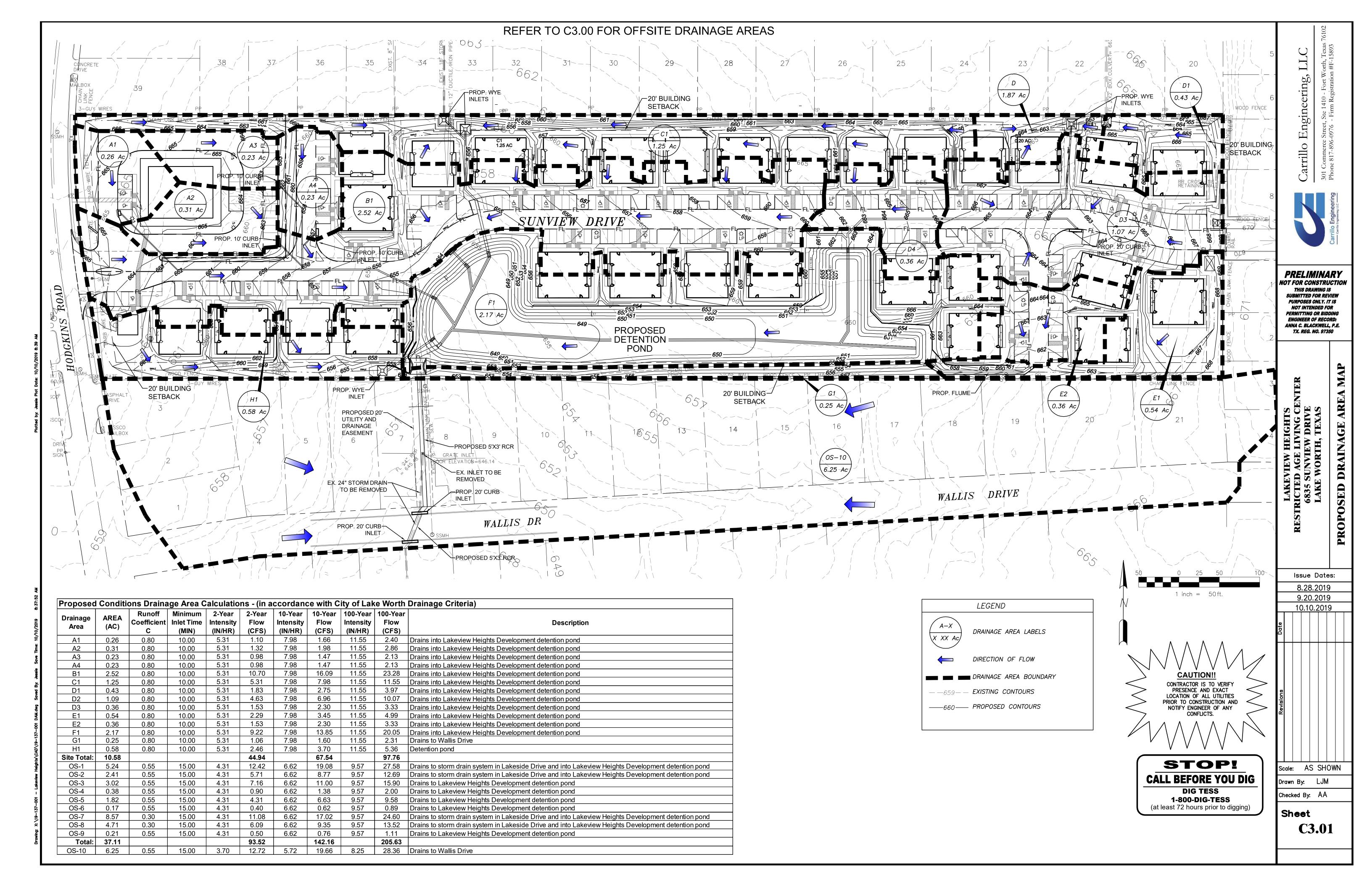


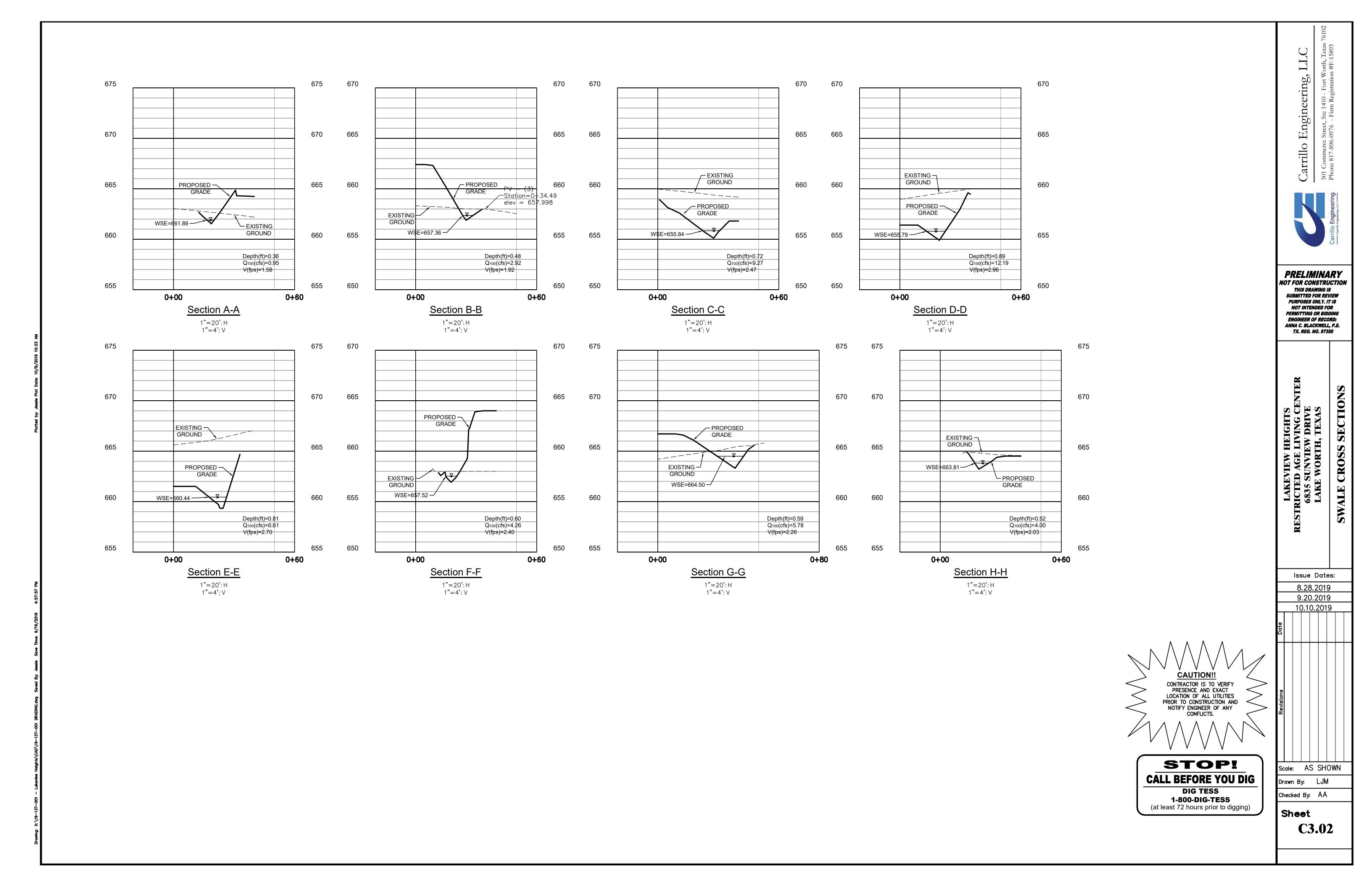


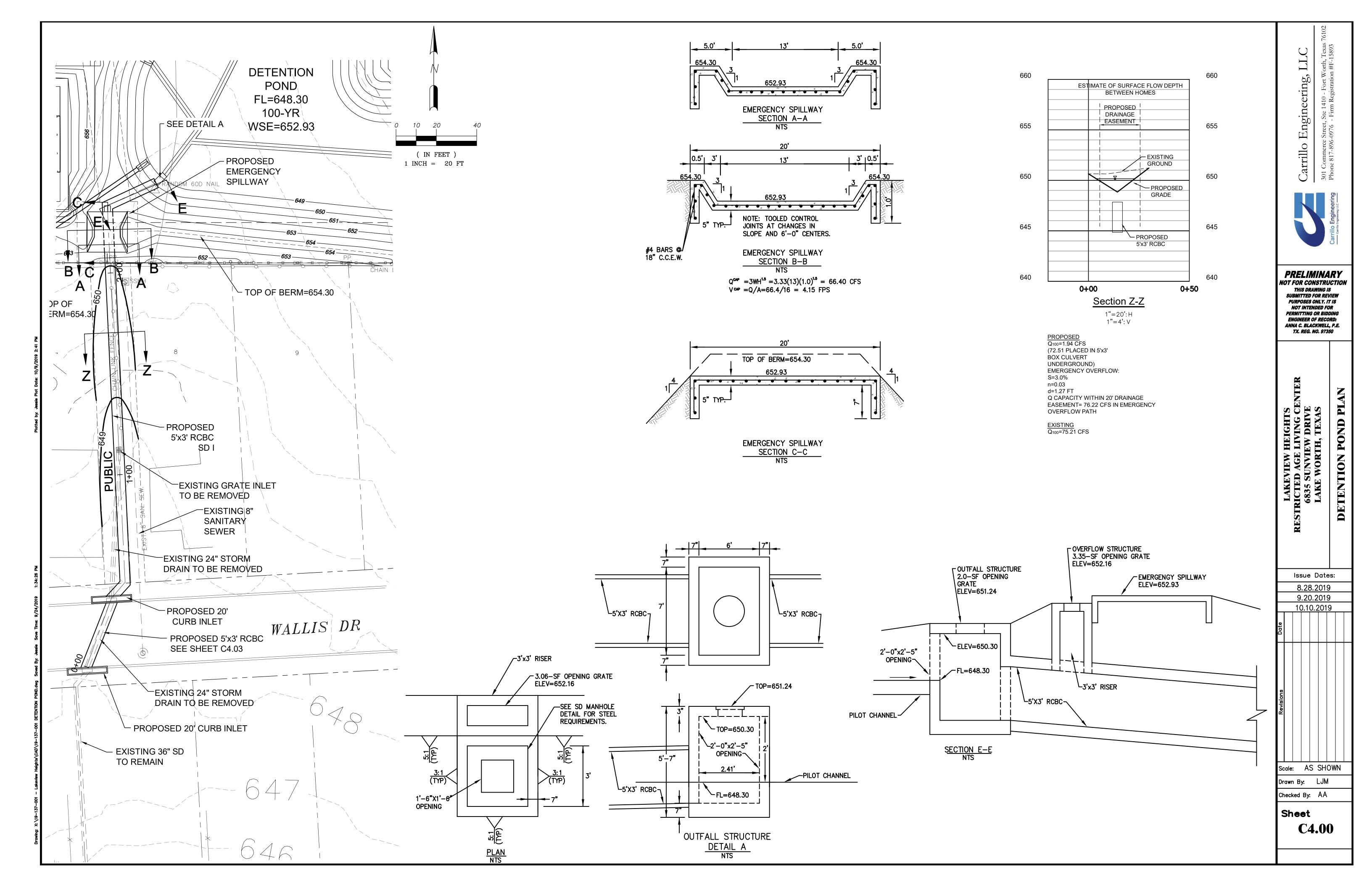












Orainage / Detention Calculations (2-YEAR)		Drainage / Detention Calculations (10-YEAR)		Drainage / Detention C		
Modified Rational Method		Modified Rational Method		Modified Rational Metho	d	
				Required Storage Volume	130,793 cubic-feet	
Required Storage Volume 57,367 cubic-feet 1.317 acre-feet		Required Storage Volume 91,405 cubic-feet 2.098 acre-feet		Onsite Existing Conditions	3.003 acre-feet	
1.317 acte-teet		2.000 dole-leet		Area 24.41 acres		
Onsite Existing Conditions		Onsite Existing Conditions		Time (Tc) 23 minutes		
rea 24.41 acres		Area 24.41 acres		C value 0.39 I-100vr 7.90 in/hr		
me (Tc) 23 minutes		Time (Tc) 23 minutes C value 0.39		Q 100-yr 7.90 ln/nr	Allowable Release	
value 0.39 2 yr 3.50 in/hr		C value 0.39 I-10 yr 5.40 in/hr		Q 100-yr 1.94 cfs	ByPass ByPass	
Q 2-yr 33.32 cfs Allowable Release		Q 10-yr 51.41 cfs Allowable Release		Q 100-yr 73.27 cfs	Pond Allowable Release	
Q 2-yr 0.88 cfs ByPass		Q 10-yr 51.41 cfs Allowable Release Q 100-yr 1.34 cfs ByPass Q 100-yr 50.07 cfs Pond Allowable Release		Onsite Proposed Conditions		
2 2-yr 32.44 cfs Pond Allowable Release		Q 100-yr 50.07 cfs Pond Allowable Release		Area 36.82 acres	Total Acreage Going to Pond	
Onsite Proposed Conditions		Onsite Proposed Conditions		Time (Tc) 17 minutes		
rea 36.82 acres Total Acreage Going to Pond		Area 36.82 acres Total Acreage Going to Pond		C value 0.53		
me (Tc) 17 minutes		Time (Tc) 17 minutes C value 0.53		I-100yr 8.50 in/hr		
value 0.53 2 vr 3.90 in/hr		I-10 vr 6.00 in/hr		Q 100-yr 165.87 cfs	Developed Runoff 136.6022	
2-yr 76.11 cfs Developed Runoff		Q 10-yr 117.09 cfs Developed Runoff				
				Runoff per Storm Event - De	eveloped Lake Worth Rainfall Inte	nsity
				Time	Runoff	Time
unoff per Storm Event - Developed	Lake Worth Rainfall Intensity	Runoff per Storm Event - Developed Lake Worth Rainfall Intensity Runoff Storm	Time	(min.) I-100yr C value	()	d (min.) I-2 yr I-10 yr
īme (min.) I-2yr C value Area (ac) Runoff (cfs)	Storm Time Freq. e b d (min.) I-2yr I-10yr	I-100yr Time (min.) I-10yr C value Area (ac) (cfs) Freq. e b d		5 14.820 0.53 10 11.550 0.53		5 6.760 10.190 8.00 10 5.230 7.980
5 6.760 0.53 36.82 131.92	5 6.760 10.190	14.820 5 10.190 0.53 36.82 198.85	5 6.760 10.190 14	15 9 570 0.53		8.00 10 5.230 7.980 8.50 15 4.310 6.620
10 5.230 0.53 36.82 102.06	2 Year 0.788 51.0 8.00 10 5.230 7.980	11.550 10 7.980 0.53 36.82 155.73 2 Year 0.788 51.0 8.00	10 5.230 7.980 11	.550 20 8.230 0.53	36.82 160.61 100 Year 0.767 106.0	8.00 20 3.690 3.900 5.700 6.000
15 4.310 0.53 36.82 84.11	10 Year 0.777 77.0 8.50 15 4.310 6.620	9.570 15 6.620 0.53 36.82 129.19 10 Year 0.777 77.0 8.50 8.230 20 5.700 0.53 36.82 111.23 100 Year 0.767 106.0 8.00		25 7.250 0.53	36.82 141.48	25 3.240 3.500 5.030 5.400
20 3.690 0.53 36.82 72.01 25 3.240 0.53 36.82 63.23	100 Year 0.767 106.0 8.00 20 3.690 3.900 5.700 25 3.240 3.500 5.030	7 250 30 5.030 0.53 36.82 98.16		30 0.510 0.53		30 2.900 4.510 35 2.630 4.110
30 2.900 0.53 36.82 56.59	30 2.900 4.510	6.510 25 4.510 0.53 36.82 88.01	30 2.900 4.510 6.	.510 35 5.920 0.53		35 2.630 4.110 40 2.410 3.770
35 2.630 0.53 36.82 51.32	TP-40 IDF Curve 35 2.630 4.110		35 2.630 4.110 5.	.920 50 4.710 0.52	36.82 91.91	50 2.080 3.260
40 2.410 0.53 36.82 47.03	40 2.410 3.770	5.440 40 3.770 0.53 36.82 73.57 50 4.710 50 3.260 0.53 36.82 63.62		.440 60 4.170 0.53	36.82 81.38	60 1.830 2.890
50 2.080 0.53 36.82 40.59 60 1.830 0.53 36.82 35.71	50 2.080 3.260 60 1.830 2.890	4.170 60 2.890 0.53 36.82 56.40	60 1.830 2.890 4.	120 2.560 0.53	36.82 49.96	120 1.110 1.770
120 1.110 0.53 36.82 21.66	120 1.110 1.770	2.560 120 1.770 0.53 36.82 34.54		.560 Inflow per Storm Event		
		Inflow per Storm Event		Storm Inflow	,	
Norm Event Runoff Inflow (ft/3)		Storm Inflow		Event Runoff (ft^3)		
5 131.92 39,576		Event Runoff (ft^3)		5 289.21 86,70		
10 102.06 61,237		5 198.85 59,656		10 225.39 135,23 15 186.75 168,0		
15 84.11 75,697		10 155.73 93,436 15 129.19 116,268		20 160.61 192,72		
20 72.01 86,411 25 63.23 94,841		20 111.23 133,480		25 141.48 212,2		
30 56.59 101,866		25 98.16 147,238		30 127.04 228,6 35 115.53 242.6	72	
35 51.32 107,779		30 88.01 158,420 35 80.21 168,431		35 115.53 242,60 40 106.16 254,73	70 JD	
40 47.03 112,872		40 73.57 176,568		50 91.91 275,74	41	
50 40.59 121,771		50 63.62 190,853		60 81.38 292,9	53	
60 35.71 128,562 120 21.66 155,961		60 56.40 203,030		120 49.96 359,69		
120 21.00 100,001		120 34.54 248,694				
				Outflow per Storm Event		
Outflow per Storm Event Outflow (ft^3) Storm Time Release Outflow (ft^3)		Outflow per Storm Event		Outflow per Storm Event Storm Time Release	e Outflow (ft^3)	
Storm Time Release Outflow (ft ^A 3) 5 22 32.46 21,423		Storm Time Release Outflow (ft/3)		5 22 72.51	47.856	
10 27 32.46 26,292		5 22 49.80 32,870 10 27 49.80 40,340		10 27 72.51 15 32 72.51		
15 32 32.46 31,161		15 32 49.80 47,811		20 37 72.51	80,485	
20 37 32.46 36,030 25 42 32.46 40,899		20 37 49.80 55,281		25 42 72.51	91,361	
30 47 32.46 45,768		25 42 49.80 62,752 30 47 49.80 70.222		30 47 72.51 35 52 72.51		
35 52 32.46 50,637		30 47 49.80 70,222 35 52 49.80 77,692		35 52 72.51 40 57 72.51		
40 57 32.46 55,506 50 67 32.46 65.243		40 57 49.80 85,163		50 67 72.51	145,743	
50 67 32.46 65,243 60 77 32.46 74,981		50 67 49.80 100,104		60 77 72.51	167,495	
120 137 32.46 133,408		60 77 49.80 115,044 120 137 49.80 204,689		120 137 72.51	298,011	
		120 131 49.00 204,009		Detention Volume		
etention Volume Storage		Detention Volume		Social Country	Storage	
Storm Inflow Outflow Storage (ft^3) (acre-ft)		Storage (Account (Acc		Storm Inflow Outflo	w Storage (ft^3) (acre-ft)	
5 39,576 21,423 18,152 0.417		Storm Inflow Outflow Storage (ft^3) (acre-ft) 5 59,656 32,870 26,786 0.615		5 86,762 47,8 10 135,236 58,7	56 38,906 0.893 32 76,504 1.756	
10 61,237 26,292 34,945 0.802		10 93,436 40,340 53,096 1.219		10 135,236 58,73 15 168,079 69,60		
15 75,697 31,161 44,536 1.022 20 86,411 36,030 50,381 1.157		15 116,268 47,811 68,457 1.572		20 192,726 80,4	35 112,241 2.577	
20 86,411 36,030 50,381 1.157 25 94,841 40,899 53,942 1.238		20 133,480 55,281 78,199 1.795		25 212,221 91,30	51 120,860 2.775	
30 101,866 45,768 56,098 1.288		25 147,238 62,752 84,486 1.940 30 158,420 70,222 88,198 2.025		30 228,672 102,2	37 126,435 2.903	
35 107,779 50,637 57,142 1.312		35 168,431 77,692 90,738 2.083		35 242,606 113,1 40 254,783 123,99		
40 112,872 55,506 57,367 1.317		40 176,568 85,163 91,405 2.098		40 254,783 123,99 50 275,741 145,74		
50 121,771 65,243 56,528 1.298 60 128,562 74,981 53,581 1.230		50 190,853 100,104 90,749 2.083		60 292,953 167,49	95 125,458 2.880	
120 155,961 133,408 22,553 0.518		60 203,030 115,044 87,985 2.020 120 248,694 204,689 44,005 1.010		120 359,693 298,0		
		,,,,,,,				

Weighted Runoff Co	pefficient Calculation - Ex	isting Con	ditions
Total Area		24.41	(A)
Area with C=0.30		15.77	(G)
Impervious Area Runoff Co	efficient	0.30	(H)
Area with C=0.55		8.64	(I)
Single-Family Area Runoff	Coefficient	0.55	(J)
Existing Runoff Coefficient	$\frac{\left(G \times H\right) + \left(I \times J\right)}{(A)}$	0.39	

Weighted Runoff Coefficient Calculation - Propo	sed Conditions
Total Area	36.82
Area with C=0.30	13.22
Impervious Area Runoff Coefficient	0.30
Area with C=0.55	13.27
Single-Family Area Runoff Coefficient	0.55
Area with C=0.80	10.33
Multi-Family Area Runoff Coefficient	0.80
Proposed Runoff Coefficient	0.53

Available Stora	ıge							
			Cumulative	Discharge				
Elevation	Area	Volume	Volume	Rate				
(ft)	(sf)	(cf)	(cf)	(cfs)				
648.30	189		-	-				
649.00	14,009	3,272	3,272	-				
650.00	24,879	16,661	19,933	-				
651.00	37,188	28,156	48,089	-				
651.24	38,166	9,280	57,369	32.46	1-YR			
652.00	43,568	31,089	88,458	-				
652.16	44,368	2,952	91,410	49.80	10-YR			
652.93	48,562	39,393	130,803	72.51	100-YR			
Outlet Calculat	ions:							
		Area 1	Area 2	Area 3	h1	h2	h3	Qpipe release
Design	С	(sf)	(sf)	(sf)	(ft)	(ft)	(ft)	(cfs)
1-Yr	0.6	4.84	-	-	1.94	-	-	32.46
10-Yr	0.6	4.84	2.25	-	2.86	0.92	-	49.80
100-Yr	0.6	4.84	2.25	3.35	3.63	1.66	0.77	72.51
Weir Calculation	ons:							
	$PE) = C_{SW}LH^{1.5};$	C _{SW=} 3.33	Q _{CAP(100-YR)} =	106.80	cfs	=Emergency Overflow		

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ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350 **DETENTION CALCULATIONS** Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN

Drawn By: LJM

Checked By: AA

C4.01

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ì	то	LENGTH		TOTAL	"C"			OF CONCE			100-YEAR INTENSITY	Q-10 RUNOFF	Q-100 RUNOFF	BYPASS		PIPE Box Culv	ert n	Sf	U/S	D/S	V1(IN)		HEAD LOS	1		KįV1²/2g	Hk	HGL		MENTS
		FEET	(ac)	AREA (ac)			MII		MIN	IN/HR	IN/HR	CFS	CFS	CFS	CFS		T	FT/FT			FT/SEC			FT		FT FT	FT	ELEV FT	FT	
1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18 18a	19	20	:	22	23	24	25	26	27	28	29	30	31	32
ORM DRAIN LINE A STA 4+22.64 STORM LINE A	STA 3+23.27 STORM LINE A										–																			
PROP 5' CURB INLET	PROP 12" 45° BEND	79.62 79.62	0.26	0.26	0.80	0.21	0.21 10.	0.4	10.4	7.98	11.5	1.7	2.4		2.4	12 -	- 0.01	2 0.0039	655.61	655.30	3.10	3.06	0.15	0.15	1.25	0.19	0.18	655.79	664.49	
STA 3+23.27 STORM LINE A PROP 12" 45° BEND	STA 1+66.74 STORM LINE A PROP 18"X12" WYE	172.16 172.16	0.63	0.89	0.00	0.00	0.21 10.4	1.0	11.4	7.85	11.4	1.6	2.4		2.4	12 -	- 0.01	2 0.0037	655.20	654.56	3.06	3.01	0.15	0.14	0.35	0.05	0.10	655.30	CONNECTION TO LA	AT A3
STA 1+66.74 STORM LINE A	STA 0+76.26 STORM LINE A	90.48 90.48	0.77	1.66	0.80	0.62	0.82 11.	0.3	11.7	7.57	10.9	6.2	9.0		9.0	18 -	- 0.01	2 0.0063	3 654.26	653 60	3.01	5.10	0.14	0.40	0.75	0.11	0.30	654 56		
PROP 18"X12" WYE STA 0+76.26 STORM LINE A	PROP 18" 45° BEND STA 0+00 STORM LINE A	30.40 30.40	0.77	1.00	0.00			0.5	11.7	7.01	10.5	U.Z	3.0				0.01	2 0.0000	004.20	000.00	3.01	3.10	0.14	0.40		0.11	0.00	004.00		
PROP 18" 45° BEND	PROP 18" TXDOT SET	76.26 76.26	0.63	2.29	0.00	0.00	0.82 11.	0.3	11.9	7.48	10.8	6.2	8.9		8.9	18 -	- 0.01	2 0.0061	653.44	652.97	5.10	5.04	0.40	0.40	0.35	0.14	0.25	653.69		
DRM DRAIN LAT A2 TA 0+38.14 STORM DRAIN LAT A2	STA 0+00 LAT A2																													
PROP 10' CURB INLET	PROP 18"X12" WYE	38 38.00	0.31	0.31	0.80	0.25	0.25 10.	0.2	10.2	7.98	11.5	2.0	2.9		2.9	12 -	- 0.01	2 0.0055	655.59	655.38	2.80	3.65	0.12	0.21	1.25	0.15	0.26	655.84	662.70	
ORM DRAIN LAT A3 STA 1+14.78 STORM LINE LAT A3	STA 0+76.64 STORM LINE LAT A3 12"															<u> </u>														
PROP 10' CURB INLET	45° BEND	38.14 38.14	0.23	0.23	0.80	0.18	0.18 10.	0.2	10.2	7.98	11.5	1.5	2.1		2.1	12 -	- 0.01	2 0.0030	656.40	656.29	2.90	2.71	0.13	0.11	1.25	0.16	0.14	656.55	662.96	
A 0+76.64 STORM LINE LAT A3 12" 45° BEND	STA 0+20.36 STORM LINE LAT A3 18"X12" WYE	56.28 56.28	0.00	0.23	0.00	0.00	0.18 10.1	0.3	10.6	7.91	11.5	1.5	2.1		2.1	12 -	- 0.01	2 0.0030	656.19	656.02	2.71	2.68	0.11	0.11	0.35	0.04	0.10	656.29		
STA 0+20.36 STORM LINE LAT A3	STA 0+4.64 STORM LINE LAT A3	15.72 15.72	0.23	0.46	0.80	0.18	0.37 10.	0.0	10.6	7.81	11.3	2.9	4.2		4.2	12 -	- 0.01	2 0.0116	655.67	655.49	2.68	5.30	0.11	0.44	0.75	0.08	0.35	656.02	CONNECTION TO LA	AT A4
18"X12" WYE STA 0+4.64 STORM LINE LAT A3	18"X12" WYE STA 0+2.46 STORM LINE LAT A3	2.17 2.17	0.31	0.77	0.80	0.25	0.62 10.	0.0	10.6	7.78	11.3	4.8	6.9		6.9	18 -	0.01	2 0.0037	7 655.38	655.27	5.30	3.93	0.44	0.24	0.30	0.13	0.11	655.40	CONNECTION TO LA	ΛΤ Λ 2
18"X12" WYE STA 0+2.46 STORM LINE LAT A3	18" 45° BEND STA 0+00 STORM LINE LAT A3	2.17										4.0																		
18" 45° BEND	18"X18" WYE	2.46 2.46	0.00	0.77	0.00	0.00	0.62 10.	0.0	10.7	7.78	11.3	4.8	6.9		6.9	18 -	- 0.01	2 0.0037	655.21	655.20	3.93	3.93	0.24	0.24	0.35	0.08	0.16	655.37	CONNECTION TO SI	D A
ORM DRAIN LAT A4 STA 0+24.04 STORM LINE LAT A4	STA 0+00 STORM LINE LAT A4	04	2.55	0.05	0.05	0.42	40		15.1		4		<u> </u>			+ + +		0 0 0 0 0 0	2==:	055.5-	2.55	6.5:	0.15	0.11	1.05	0.45	0.11	055.55	057.45	
PROP 10' CURB INLET	18"X12" WYE	24 24.00	0.23	0.23	0.80	0.18	0.18 10.	0.1	10.1	7.98	11.5	1.5	2.1		2.1	12 -	- 0.01	2 0.0030	655.74	655.67	2.50	2.71	0.10	0.11	1.25	0.12	0.14	655.88	657.15	
ORM DRAIN LINE B STA 0+20.48 STORM LINE B	STA 0+00 STORM LINE B	20.48 20.48	2.52	2.52	0.00	2.02	2.02 10.	0.0	10.0	8.0	11 5	16.1	23.3		23.3	24	0.04	2 0 0000	0 653.15	652.07	2 20	7.41	0.16	0.85	1.25	0.20	1.07	654.22	654 15	
PROP 10' CURB INLET ORM DRAIN LINE C	PROP 24" TXDOT SET	20.40 20.48	2.52	2.52	0.80	2.02	02 10.	0.0	10.0	0.0	11.5	10.1	۷٥.٥		۷٥.٥	24	0.01	2 0.0090	J 003.15	002.97	3.20	1.41	U. 10	0.00	1.20	U.ZU	1.0/	004.22	00 4 . 10	
STA 1+79.82 STORM LINE C	STA 1+44.94 STORM LINE C	34.88 34.88	2.52	2.52	0.55	1.39	.39 10.	0.1	10.1	7.98	11.5	11.1	16.0		16.0	18 -	_ 0.01	2 0 0109	3 656.38	655 60	2.40	9.06	0.09	1.27	1.25	0.11	1 50	657 97	659.10 TOP OF BERM	
4'X4' DROP INLET STA 1+44.94 STORM LINE C	18"X24" WYE STA 0+83.70 STORM LINE C PROP																			1										
18"X24" WYE	24" 45° BEND	61.24 61.24	1.25	3.77	0.80	1.00	2.39 10.	0.1	10.2	7.98	11.5	19.0	27.6		27.6	24 -	- 0.01	2 0.0126	654.94	654.16	9.06	8.77	1.27	1.19	0.35	0.45	0.75	655.69	CONNECTION TO LA	AT C2
0+83.70 STORM LINE C PROP 24" 45° BEND	STA 0+65.10 STORM LINE C 24" 45° BEND	18.60	0.00	3.77	0.00	0.00	2.39 10.3	0.0	10.2	7.94	11.5	19.0	27.4		27.4	24 -	- 0.01	2 0.0125	653.40	653.16	8.77	8.73	1.19	1.18	0.35	0.42	0.77	654.16		
STA 0+65.10 STORM LINE C	STA 0+00 STORM LINE C	65.1 65.10	0.00	3.77	0.00	0.00	2.39 10.	0.3	10.5	7.91	11.5	18.9	27.3		27.3	36 -	- 0.01	2 0.0014	653.06	652.97	8.73	3.87	1.18	0.23	0.35	0.41	0.10	653.16		
24" 45° BEND RM DRAIN LAT C2	PROP 36" TXDOT SET																													
STA 0+20.48 STORM LINE LAT C2 PROP 4'X4' DROP INLET	STA 0+00 STORM LINELAT C2 36"X24" WYE	20.48 20.48	1.25	1.25	0.80	1.00	.00 10.	0.1	10.1	7.98	11.5	8.0	11.5		11.5	24 -	- 0.01	2 0.0022	2 654.98	654.94	3.10	3.68	0.15	0.21	1.25	0.19	0.26	655.24	656.40 FFE OF LOT 3 AND	4
RM DRAIN LINE D																														
STA 4+38.98 STORM LINE D PROP 4'X4' DROP INLET	STA 3+97.83 STORM LINE D PROP 4'X4' DROP INLET	41.15 41.15	2.52	2.52	0.55	1.39	.39 10.	0.1	10.1	8.0	11.5	11.1	16.0		16.0	18 -	- 0.01	2 0.0198	663.94	663.13	3.20	9.06	0.16	1.27	1.25	0.20	1.59	665.54	665.00 TOP OF BERM 665.0	00
STA 3+97.83 STORM LINE D	STA 3+05.01 STORM LINE D	92.82 92.82	2.32	2.32	0.60	1.38	.38 10.	0.2	10.2	8.0	11.5	11.0	16.0		16.0	18 -	- 0.01	2 0.0197	7 662.18	660.35	3.20	9.04	0.16	1.27	0.75	0.12	0.95	663.13	665.00 TOP OF BERM 665.0	00
PROP 4'X4' DROP INLET STA 3+05.01 STORM LINE D	18" 45° BEND STA 2+70.21 STORM LINE D	34.8 34.80	0.00	2.52	0.00	0.00	20 40	0.4	10.1	0.0		44.4	40.0		16.0	18 -	0.04	2 0.0400	8 659.52	050.00	9.06	9.06	1.27	1.27	0.35	0.45	0.83	660.05		
18" 45° BEND STA 2+70.21 STORM LINE D	24" 45° BEND STA 0+43.06 STORM LINE D			2.52	0.00		.39 10.	0.1	10.1	8.0	11.5	11.1	16.0		10.0	10 -				1		9.06	1.27			0.45	0.63	000.35		
24" 45° BEND	24" 45° BEND	227.15 227.15	1.72	4.24	0.71	1.22	2.60 10.	0.4	10.5	7.9	11.5	20.7	29.9		29.9	24 -	- 0.01	2 0.0149	657.87	654.47	9.06	9.53	1.27	1.41	0.35	0.45	0.97	658.83	CONNECTION TO SI	D D2
STA 0+43.06 STORM LINE D 24" 45° BEND	STA 0+17.24 STORM LINE D 36" 45° BEND	25.82 25.82	0.00	4.24	0.00	0.00	2.60 10.	0.0	10.6	7.8	11.3	20.4	29.5		29.5	24 -	- 0.01	2 0.0144	653.60	653.23	9.53	9.37	1.41	1.36	0.35	0.49	0.87	654.47		
STA 0+17.24 STORM LINE D	STA 0+9.16 STORM LINE D	8.08 8.08	0.00	4.24	0.00	0.00	2.60 10.	0.0	10.6	7.8	11.3	20.4	29.5		29.5	36 -	- 0.01	2 0.0017	7 653.13	653.12	9.37	4.17	1.36	0.27	0.35	0.48	0.10	653.23	CONNECTION TO SI	D D3
36" 45° BEND STA 0+9.16 STORM LINE D	36"X12" WYE STA 0+00 STORM LINE D																			1									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
36"X12" WYE	PROP 54" TXDOT SET	9.16 9.16	0.36	4.60	0.80	0.29	2.89 10.	0.0	10.6	7.8	11.3	22.5	32.6		32.6	36 -	- 0.01	∠ 0.0020	652.99	652.97	4.1/	4.61	0.27	0.33	0.75	0.20	0.13	053.12		
ORM DRAIN LAT D2 STA 0+41.12 STORM LINE LAT D2	STA 0+22.54 STORM LINE LAT D2	16.97 16.97	1.72	1.72	0.71	1.22	.22 10.	0.0	10.0	8.0	11.5	9.7	14.1		14.1	18 -	_ 0.04	2 0.0153	658.98	658 72	1.50	7.96	0.03	0.98	1.25	1.23	1 22	660.21	662 18	
PROP 15' CURB INLET STA 0+22.54 STORM LINE LAT D2	18" 45° BEND STA 0+00 STORM LINE LAT D2																												332.10	
18" 45° BEND	24"X18" WYE	13.8 13.80	0.00	1.72	0.00	0.00	.22 10.	0.0	10.1	8.0	11.5	9.7	14.1		14.1	18 -	- 0.01	2 0.0153	658.08	657.87	7.96	7.96	0.98	0.98	0.35	0.34	0.64	658.72		
RM DRAIN LAT D3 TA 0+54.80 STORM LINE LAT D3	STA 0+49.70 STORM LINE LAT D3		2.55	0.05	0.05	0.00			15.1	2 -	4.4 -				•			0 0 0 0 0	075.5	050.5			0.05	0.05	1.25	0.01	0.15	050 ()	050.00	
PROP 10' CURB INLET	24" 45° BEND	5.1 5.10	0.36	0.36	0.80	0.29	0.29 10.	0.1	10.1	8.0	11.5	2.3	3.3		3.3	24 -	- 0.01	2 0.0002	653.34	653.34	1.50	1.06	0.03	0.02	1.25	0.04	0.10	653.44	656.60	
TA 0+49.70 STORM LINE LAT D3 24" 45° BEND	STA 0+10.22 STORM LINE LAT D3 24" 45° BEND	39.48 39.48	0.00	0.36	0.00	0.00	0.29 10.	0.6	10.7	8.0	11.5	2.3	3.3		3.3	24 -	- 0.01	2 0.0002	653.24	653.23	1.06	1.06	0.02	0.02	0.35	0.01	0.10	653.34		
TA 0+10.22 STORM LINE LAT D3	STA 0+00 STORM LINE LAT D3	10.22 10.22	0.00	0.36	0.00	0.00	0.29 10.	0.2	10.9	7.8	11.2	2.2	3.2		3.2	24 -	- 0.01	2 0.0002	2 653.13	653.13	1.06	1.03	0.02	0.02	0.35	0.01	0.10	653.23	CONNECTION TO SI	D D
24" 45° BEND RM DRAIN LINE I	36"X24" WYE				-			-	+							 				1	+				-			-		
STA 2+98.98 STORM LINE I	STA 2+33.39 STORM LINE I	65.59 65.59	0.63	0.63	0.55	0.35	0.35 10.	0.2	10.2	8.0	11.5	2.8	4.0		67.0	5	3 0.01	3 0.0017	7 653.08	652.97	2.50	4.47	0.10	0.31	1.25	0.12	0.39	653.47	652.97 Q100 RELEASE DIS	CHARGE
5'X3' SET STA 2+33.39 STORM LINE I	5'X3' 45° BEND STA 0+46.61 STORM LINE I	186.78 186.78	0.00	0.63			0.35 10.3	11.0	22.0	7.9	11.5	2.7	4.0		4.0	5	3 0.04	3 0 0000	648.90	649.00	4.47	0.26	0.31	0.00	0.35	0.11	0.10		+	
5'X3' 45° BEND STA 0+46.61 STORM LINE I	5'X3' 45° BEND STA 0+36.27 STORM LINE I			บ.บง											4.0							0.20								
5'X3' 45° BEND	CONNECT TO 20' CURB INLET	10.34 10.34	0.32	0.95	0.55	0.17	0.52 22.	0.6	22.7	5.4	7.8	2.8	4.1		4.1	5	3 0.01	3 0.0000	648.80	648.80	0.26	0.27	0.00	0.00	0.35	0.00	0.10	648.90		
STA 0+36.27 STORM LINE I CONNECT TO 20' CURB INLET	STA 0+00 STORM LINE I CONNECT TO 20' CURB INLET	36.27 36.27	0.32	1.26	0.55	0.17	0.69 22.	1.7	24.4	5.3	7.7	3.7	5.3		5.3	5	3 0.01	3 0.0000	648.70	648.70	0.27	0.36	0.00	0.00	0.50	0.00	0.10	648.80	648.83 WALLIS DRIVE SUM	IP
DRM DRAIN LINE H																														
STA 0+64.85 STORM LINE H	STA 0+00 STORM LINE H	64.85 64.85	0.63	0.63	0.55	0.35	0.35 10.	0.8	10.8	8.0	11.5	2.8	4.0		4.0	24 -	- 0.01	2 0.0003	652.99	652.97	2.50	1.27	0.10	0.03	1.25	0.12	0.10	653.09	654.00 TOF OF BERM	

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ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350

RESTR

HYDRAULIC CALCULATIONS

Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN Drawn By: LJM

Checked By: AA

Sheet C4.02

Scale: AS SHOWN

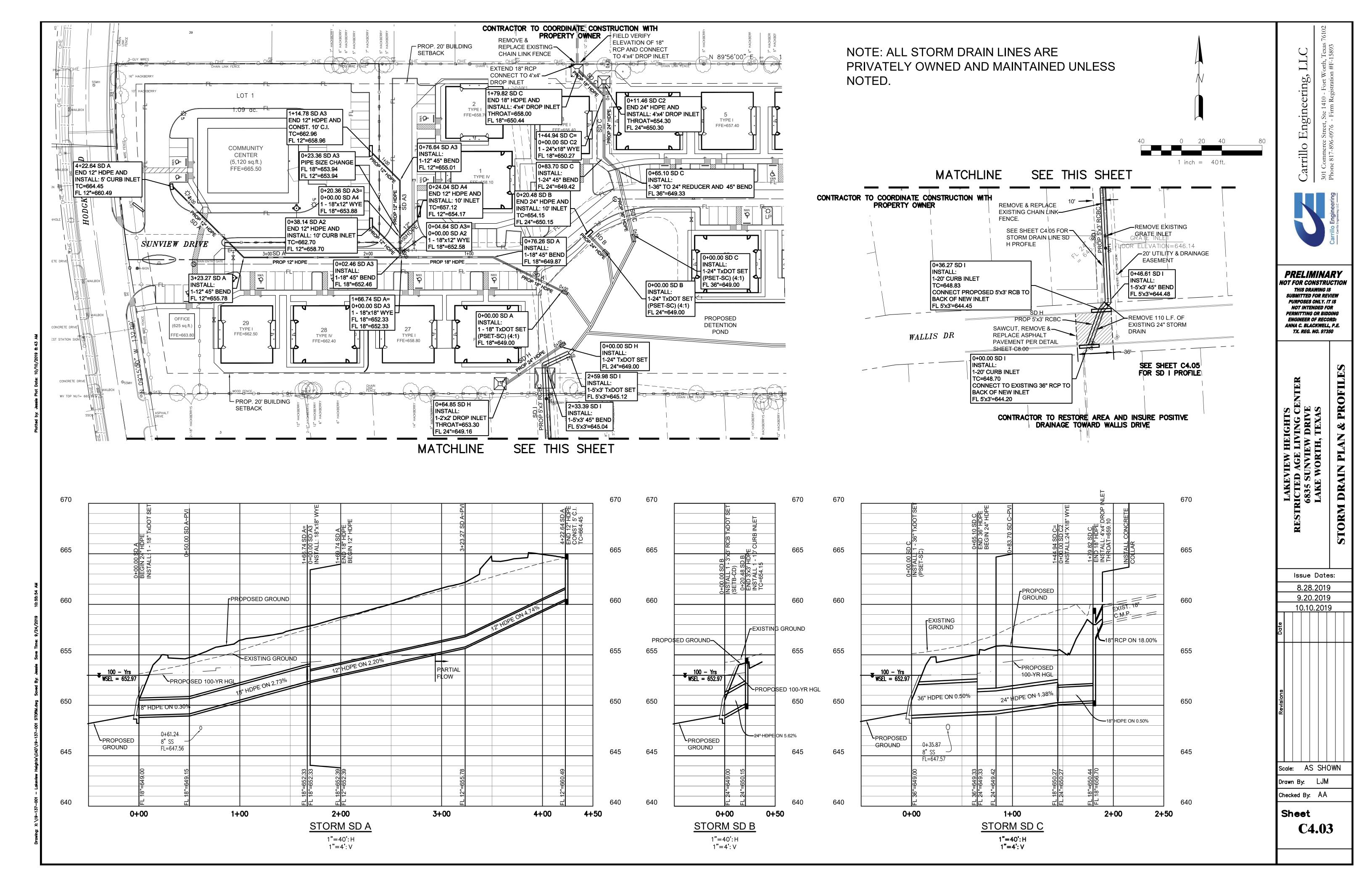
Drawn By: LJM Checked By: AA

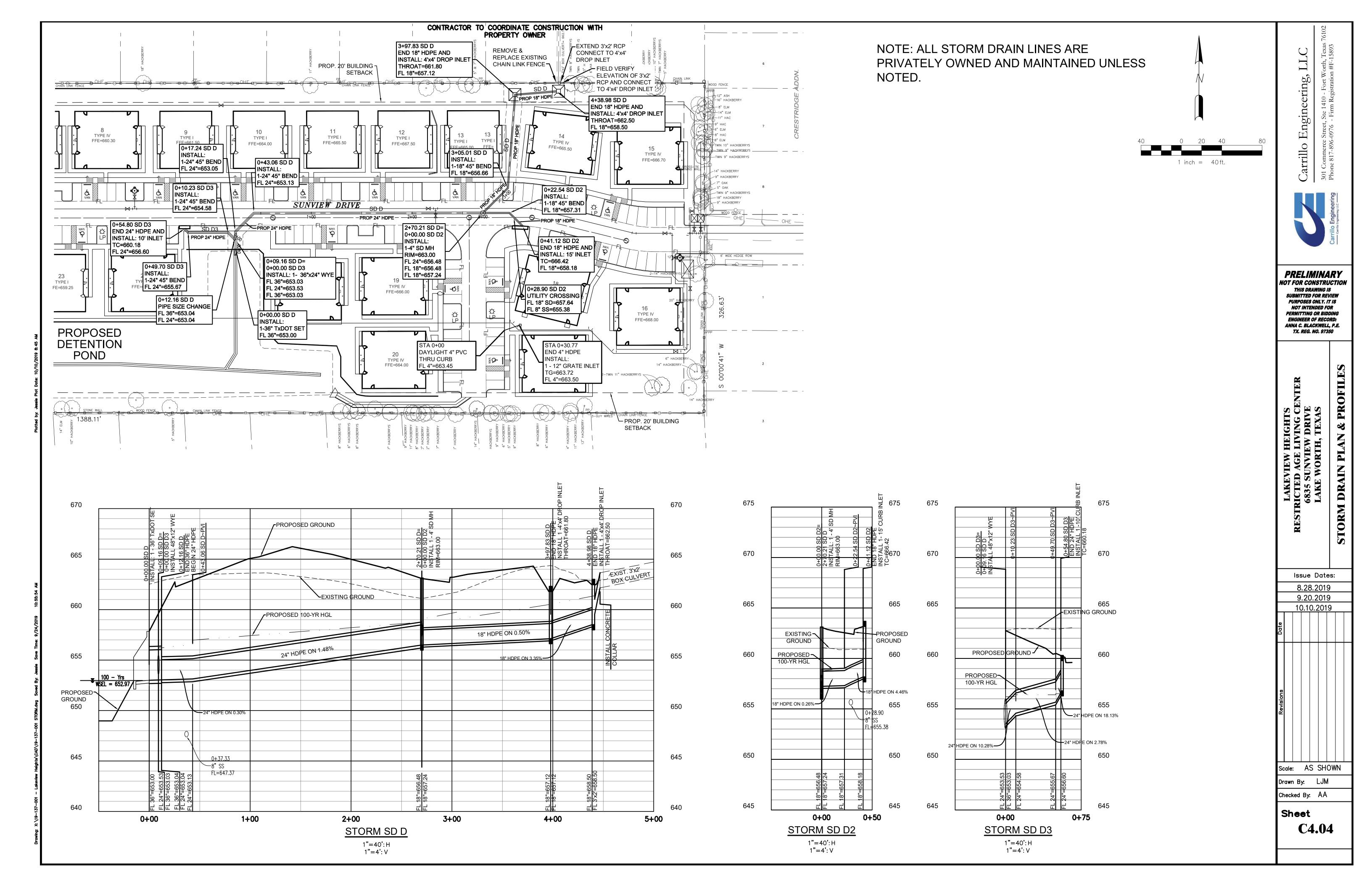
Sheet C4.02A

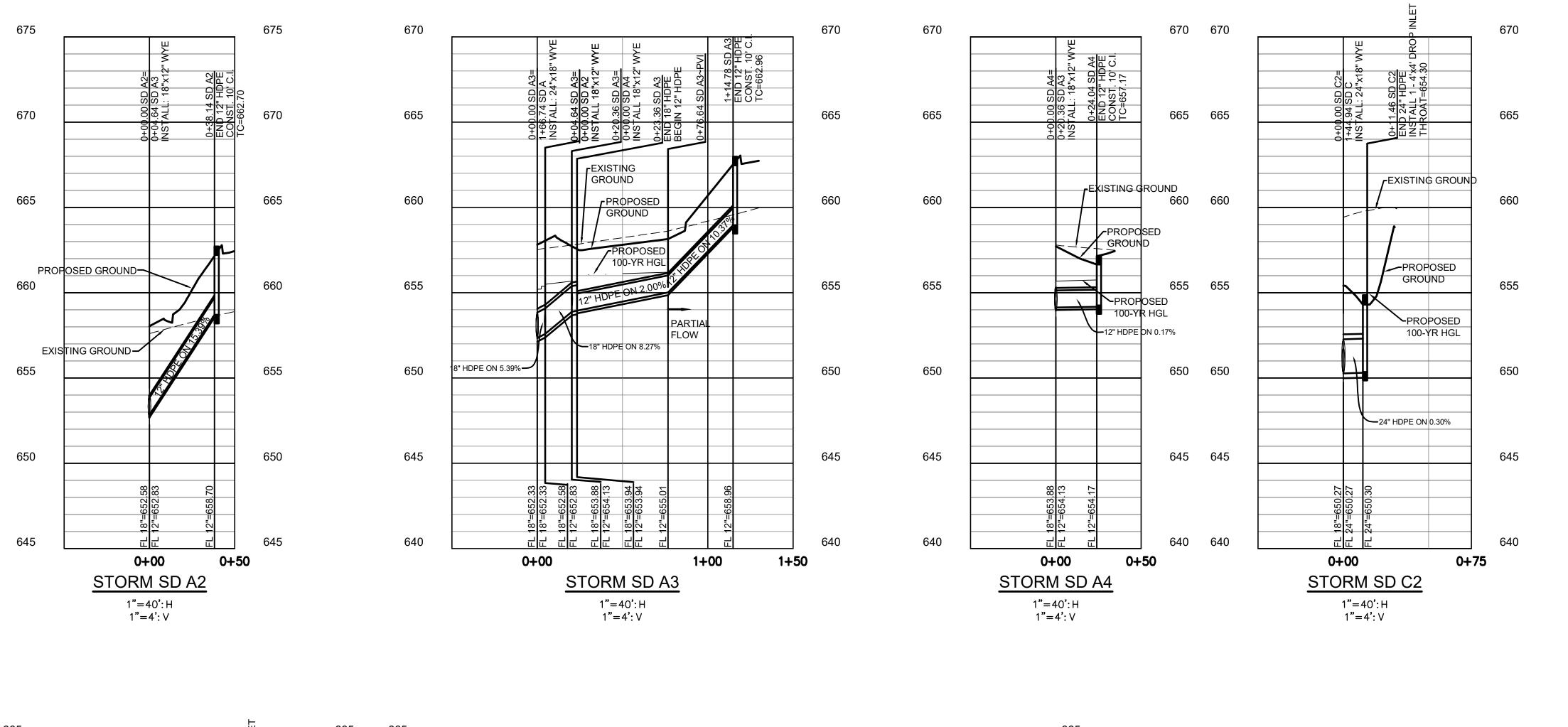
ON-GRADI	E INLET CAI	<u>CULATION</u>	N TABLE																								
	DRAINA	GE AREA		STREET	PAVEMENT	PAVEMENT	MANNING'S	10-YEAR	10-YEAR	10-YEAR	10-YEAR	100-YEAR	100-YEAR	100-YEAR	100-YEAR	DESIGN	DEPTH	SPREAD OF	PICKUP	LENGTH	LENGTH	L/Lo	Q/Qo	INLET	10-YEAR	100-YEAR	
AREA NO	. AREA	RUNOFF	CONC. TIME	LONG SLOPE	WIDTH	SLOPE	COEFFICIENT	INTENSITY	RUNOFF	CARRYOVER	TOTAL	INTENSITY	RUNOFF	CARRYOVER	TOTAL	STORM	OF FLOW	/ FLOW	PER FOOT	REQUIRED	PROVIDED			САРАСПҮ	CARRYOVER	CARRYOVER	
		С		So			FOR PAVEMENT			FLOW	GUTTER			FLOW	GUTTER Q		Yo	Sp	Qo/Lo	Lo	LENGTH				FLOW	FLOW	COMMENTS
							"n"				FLOW									100-YR					"q"	"q"	
	(ACRES)		(MIN)	(FT/FT)	(FT)	(%)		(IN/HR)	(CFS)	(CFS)	(CFS)	(IN/HR)	(CFS)	(CFS)	(CFS)		(FT)	(FT)	(CFS/FT)	(FT)	(FT)			(CFS)	(CFS)	(CFS)	
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	
A1	0.26	0.80	10	0.0388	24	0.0345	0.013	7.98	1.66	0.0	1.7	11.55	2.4		2.4	100-YEAR	0.1766	0.4	0.63	14	5	0.53	1	2.4	0.0	0.0	10' CURB INLET
A2	0.31	0.80	10	0.0137	44	0.0386	0.013	7.98	1.98	0.0	2.0	11.55	2.9		2.9	100-YEAR	0.2391	0.7	0.69	12	10	1.00	1	2.9	0.0	0.0	10' CURB INLET
A3	0.23	0.80	10	0.0154	60	0.0355	0.013	7.98	1.47	0.0	1.5	11.55	2.1		2.1	100-YEAR	0.2027	0.4	0.65	10	10	1.00	1	2.1	0.0	0.0	10' CURB INLET
A4	0.23	0.80	10	0.015	24	0.0329	0.013	7.98	1.47	0.0	1.5	11.55	2.1		2.1	100-YEAR	0.1980	0.4	0.65	11	10	1.00	1	2.1	0.0	0.0	10' CURB INLET
	-	-	-		•		•	-	•	•	•	-	•	•	-	•	-		-	•	•	-	<u> </u>	-	•	•	

INI ET	GUTTER	CROWN	AREA	RUNOFF	TIME OF	DESIGN	100-YEAR	DΕΔΚ	CARRY	GUTER	DEPTH	DEPTH OF	DEPTH OF	CAPACITY	LENGTH OF	CAPACITY	CARRY-	PERCENT	NOTES
NLL I			AINLA																NOTES
NO.	SLOPE	SLOPE		COEFF.	CONCEN.	FREQUENCY	INTENSITY	FLOW	OVER	FLOW	OF	DEPRESSION	FLOW AT	OF INLET	INLET	OF INLET	OVER INTO	Q ₁₀₀	
	So	OF PVM'T		С						Qo	GUTTER	"a"	OPENING	PER FOOT	OPENING L	Q	OVER	CAPTURED BY	
		Fo									FLOW		Υ	OF LENGTH	OR P		FLOW	INLET	
											Yo			Q/L					
	(FT/FT)	(FT/FT)	(ACRES)		(MIN)	(YR)	(IN/HR)	(CFS)	(CFS)	(CFS)	(FT)	(FT)	(FT)	(CFS/FT)	(FT)	(CFS)	(CFS)	(%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
B1	0.0131	0.0365	2.52	8.0	10	100	11.55	23.3		23.3	0.56	0.416	0.9751	2.89	10	28.89	0.00	100.00%	10' CURB INLET
D3	0.013	0.0355	0.36	0.8	10	100	11.55	3.3		3.3	0.27	0.416	0.6831	1.69	16	27.10	0.00	100.00%	10' CURB INLET
OS10	0.0379	0.02	6.25	0.55	15	100	9.57	32.9		32.9	0.42	0.416	0.8322	2.28	20	45.55	0.00	100.00%	2-10' CURB INLETS ON WALLIS DRI

	Inlet	Drainage A	reas		Conc.	2-year	2-year	2-year Depth	10-year	10-year	10-year Depth	100-year	100-year	100-year Depth	Allowabl	100-year	
		Area	Area	Runoff	Time	Intensity	Runoff	(Y ₂)	Intensity	Runoff	(Y ₁₀)	Intensity	Runoff	(Y ₁₀₀)	e Depth	HGL	DESCRIPTION
nlet No.	Station	No.	(AC)	С	(MIN)	(IN/HR)	(CFS)	(ft)	(IN/HR)	(CFS)	(FT)	(IN/HR)	(CFS)	(FT)	(FT)	(FT)	
1	2	3	4	5	6	8	9	10	7	8	9	10	11	12	13	14	15
C1	STA 1+79.82 SD C	OS-1 OS-3 OS-7	16.83	0.55	20	3.69	34.16	0.80	5.70	52.76	1.07	8.23	76.17	1.36	2.20	656.38	4'X4' DROP INLET CITY STANDARD
C2	STA 0+11.46 SD C	C1	1.25	0.80	15	4.31	4.31	0.20	6.62	6.62	0.27	9.57	9.57	0.34	1.50	663.69	4'X4' DROP INLET CITY STANDARD
D1	STA 4+38.98 SD D	OS-2 OS-4 OS-5 OS-8	9.32	0.55	20	3.69	18.91	0.54	5.70	29.22	0.72	8.23	42.18	0.92	2.00	664.19	4'X4' DROP INLET CITY STANDARD
D2	STA 3+97.83 SD D	D1	0.43	0.80	15	5.23	1.80	0.11	7.98	2.74	0.15	11.55	3.97	0.19	1.70	663.69	4'X4' DROP INLET CITY STANDARD
l1	STA 0+54.85 SD I	H1	0.58	0.80	15	5.23	2.43	0.34	7.98	3.70	0.46	11.55	5.36	0.58	0.70	652.99	2'X2' DROP INLET CITY STANDARD







665 665 665 665 660 660 660 PROPOSED-GROUND PROPOSED 100-YR HGL 655 655 655 655 PROPOSED GROUND EXISTING GROUND $\frac{100 - Yrs}{WSEL = 652.97}$ 100 - Yrs WSEL = 652.97 EXISTING GROUND PROPOSED 100-YR HGL 650 650 650 650 5'x3' RCB ON 0.30% EXIST. 36" SD @ 2.66% 645 645 5'X3' RCB ON 0.69% 640 640 635 635 635 1+00 1+00 2+00 0+00 0+00 3+00 STORM SD I STORM SD H 1"=40': H 1"=4': V 1"=40': H 1"=4': V

NOTE: ALL STORM DRAIN LINES ARE PRIVATELY OWNED AND MAINTAINED UNLESS NOTED.

Carrillo Engineering, LLC
301 Commerce Street, Ste 1410 - Fort Worth, Texas 70
Dhone 817 806, 0076, Firm Registration #F1 15803



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ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350

ESTRICTED AGE LIVING CENTE 6835 SUNVIEW DRIVE LAKE WORTH, TEXAS STORM DRAIN PROFILES

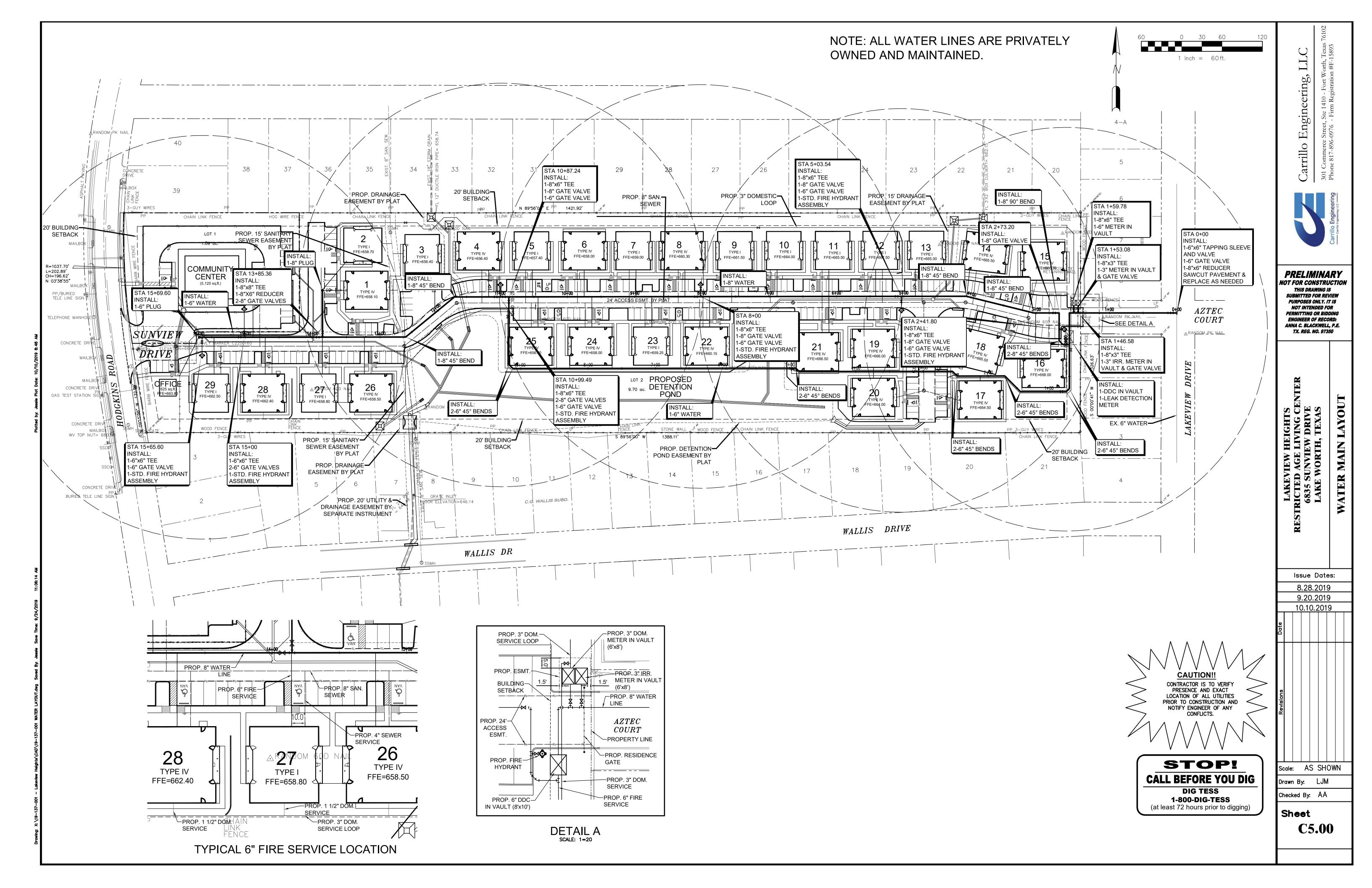
| Issue Dates: | 8.28.2019 | 9.20.2019 | 10.10.2019

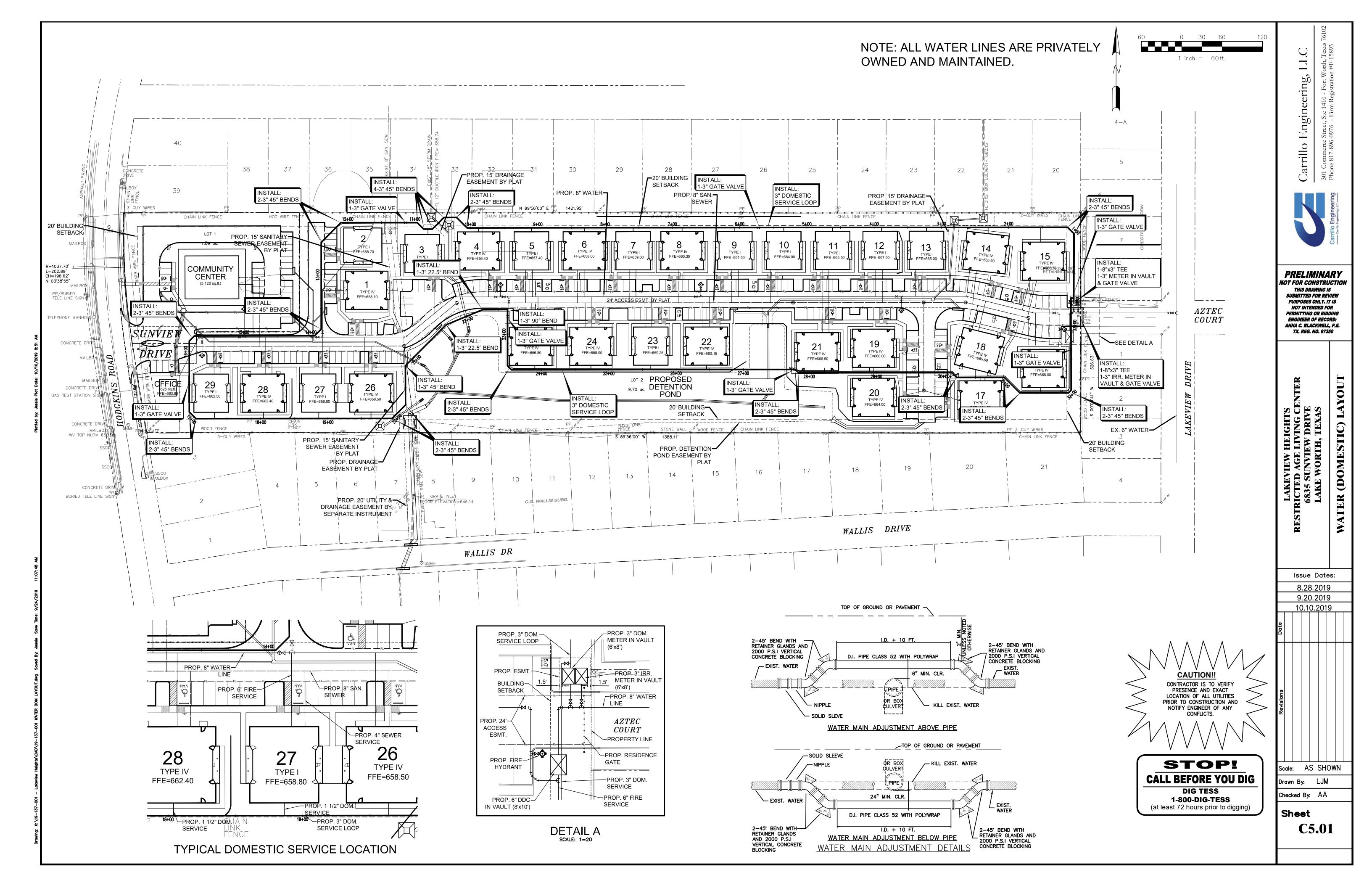
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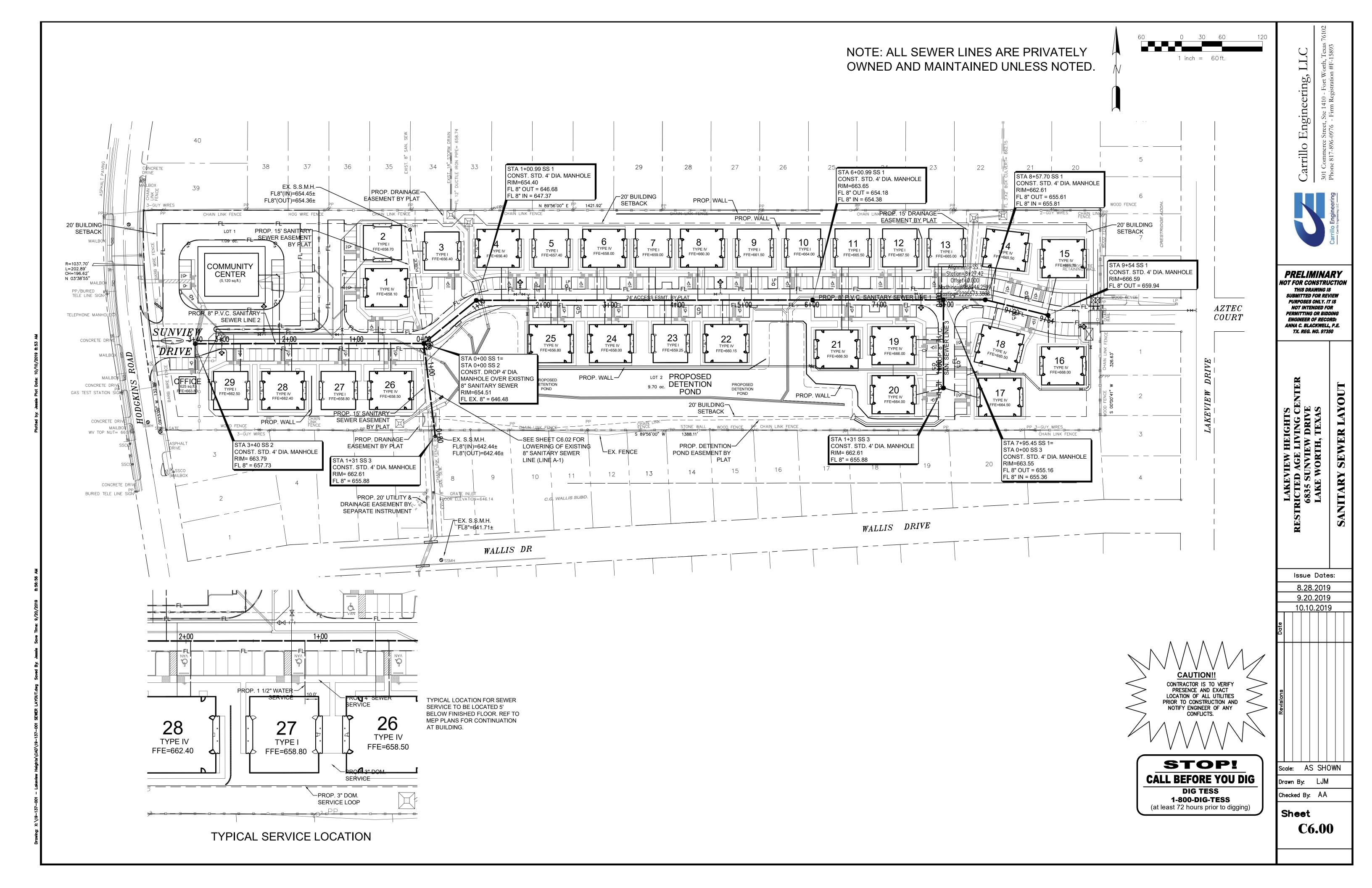
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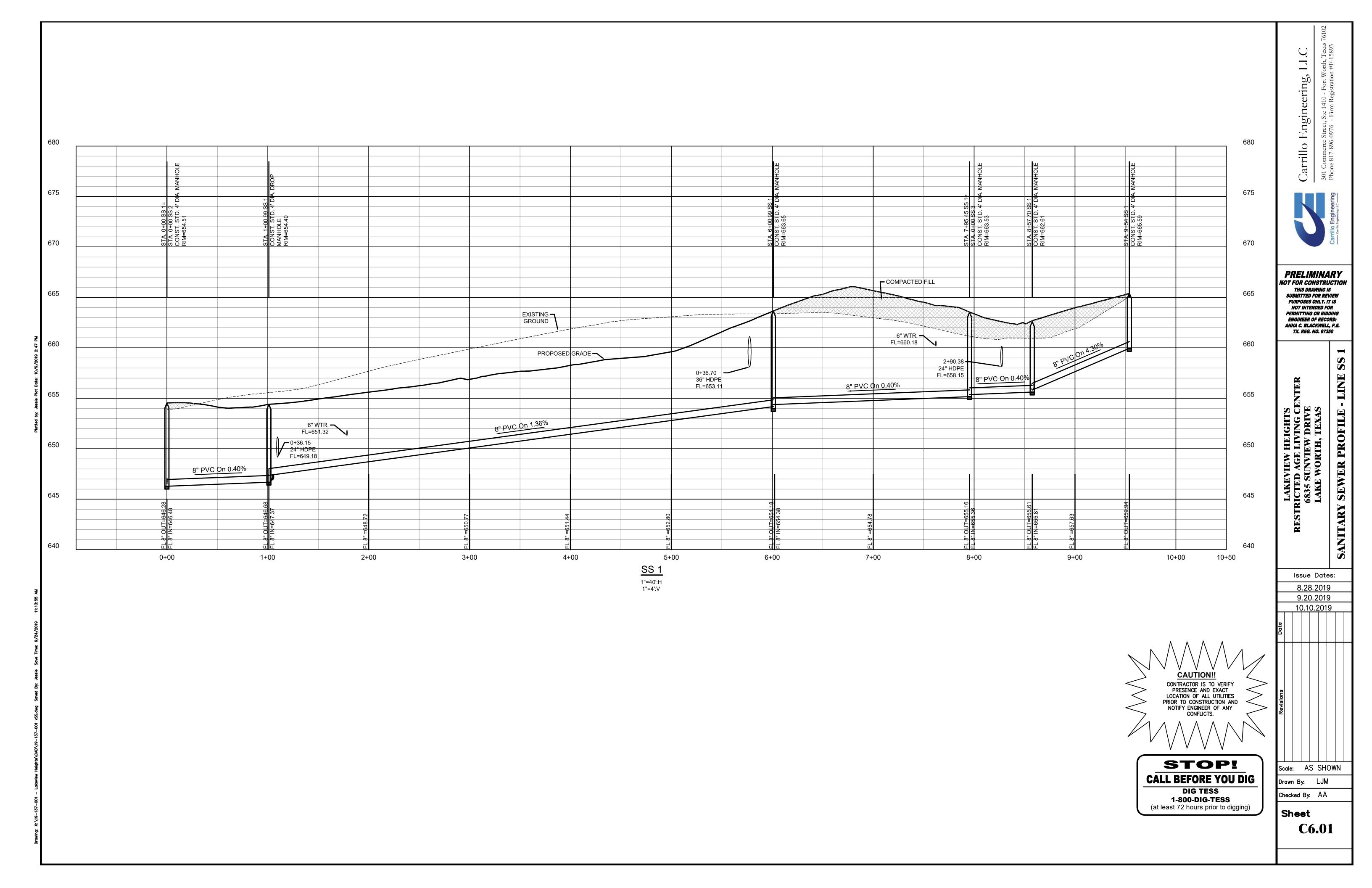
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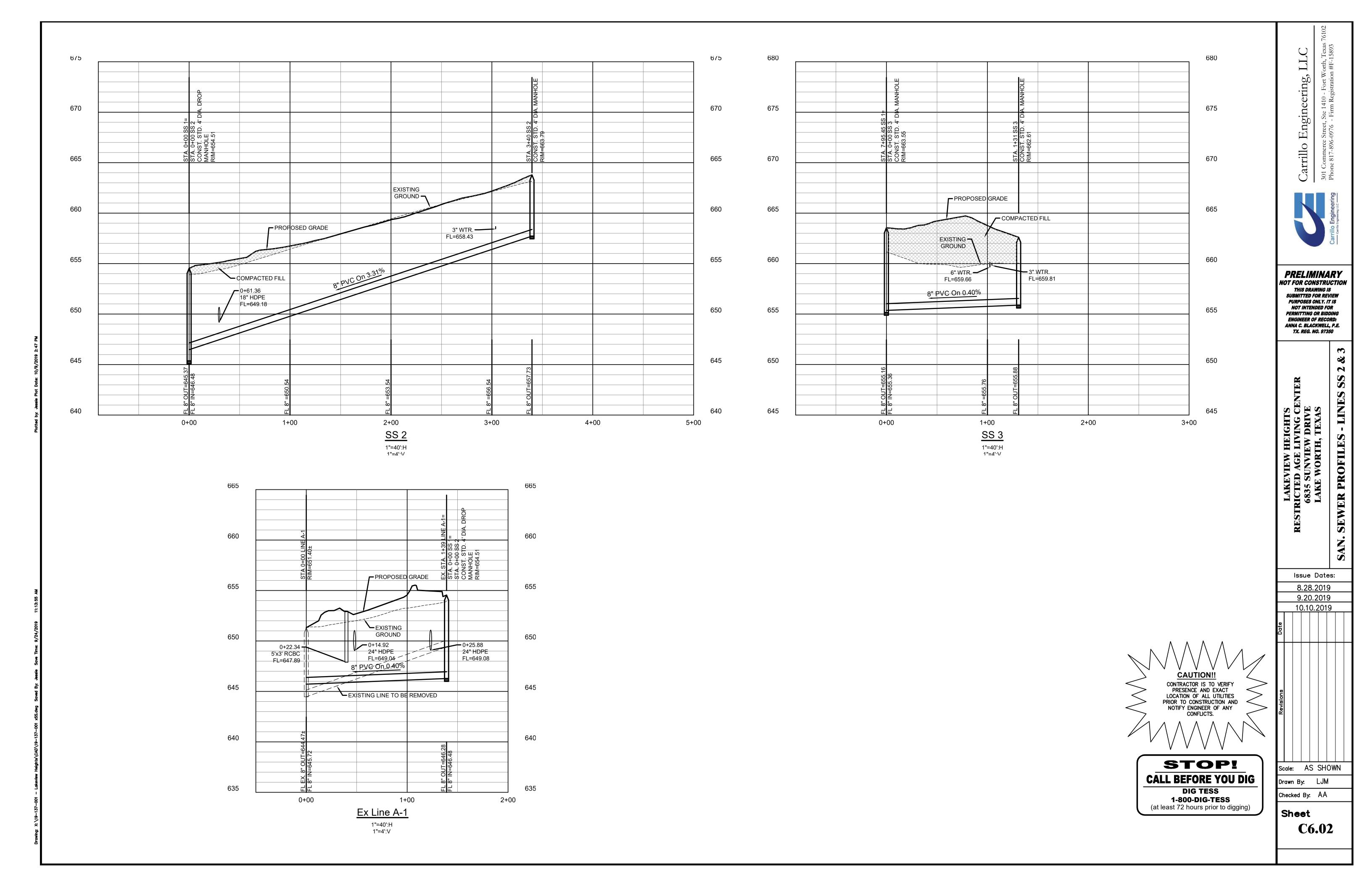
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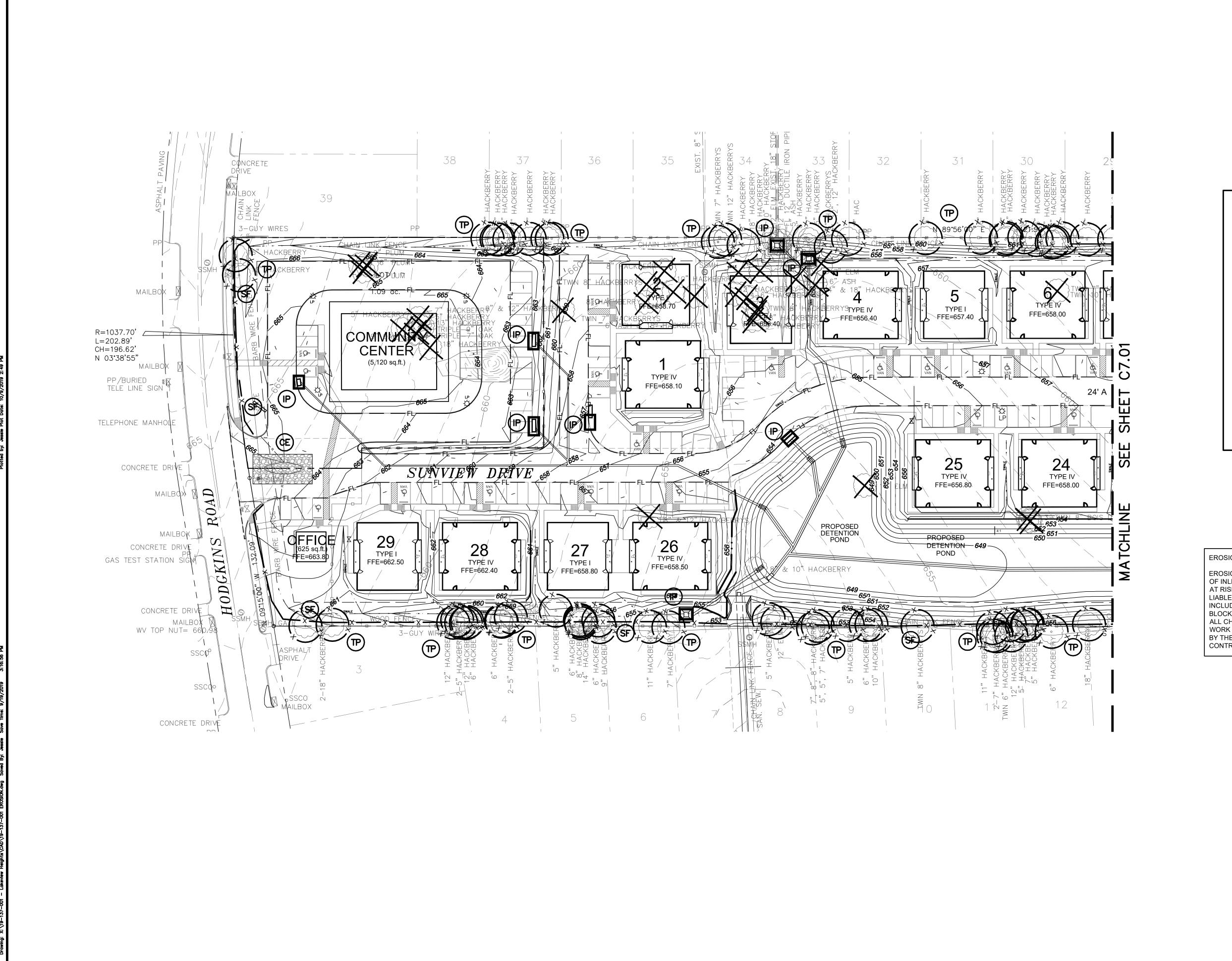


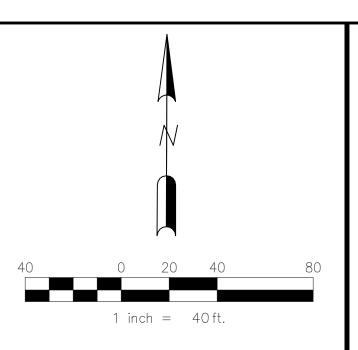


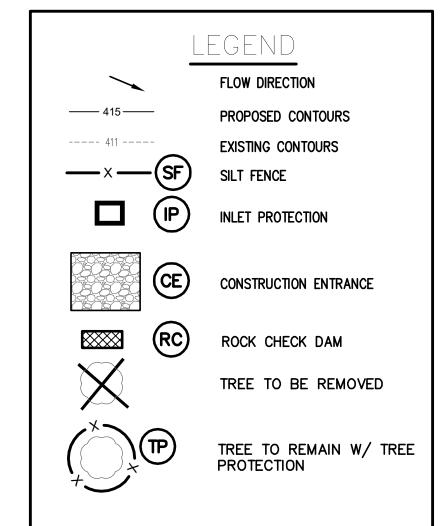








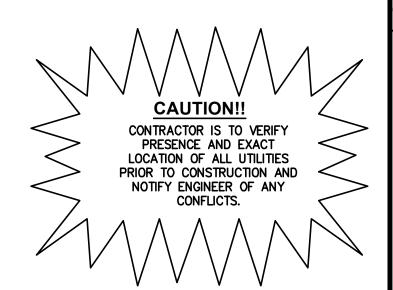




DRAINAGE IMPROVEMENTS SUFFICIENT TO MITIGATE THE IMPACT OF CONSTRUCTION SHALL BE INSTALLED PRIOR TO ADDING IMPERVIOUS COVER.

EROSION CONTROL GENERAL NOTE:

EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, IN CHANNELS, DRAINAGEWAYS OR BORROW DITCHES AT RISK OF CONTRACTOR. THE CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE CAUSED BY THE MEASURES, INCLUDING FLOODING DAMAGE, WHICH MAY OCCUR DUE TO BLOCKED DRAINAGE. AT THE CONCLUSION OF ANY PROJECT, ALL CHANNELS, DRAINAGEWAYS AND BORROW DITCHES IN THE WORK ZONE SHALL BE DREDGED OF ANY SEDIMENT GENERATED BY THE PROJECT OR DEPOSITED AS A RESULT OF EROSION CONTROL MEASURES.



STOP! **CALL BEFORE YOU DIG DIG TESS**

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OSION CONTROL PLAN ERC

Issue Dates:

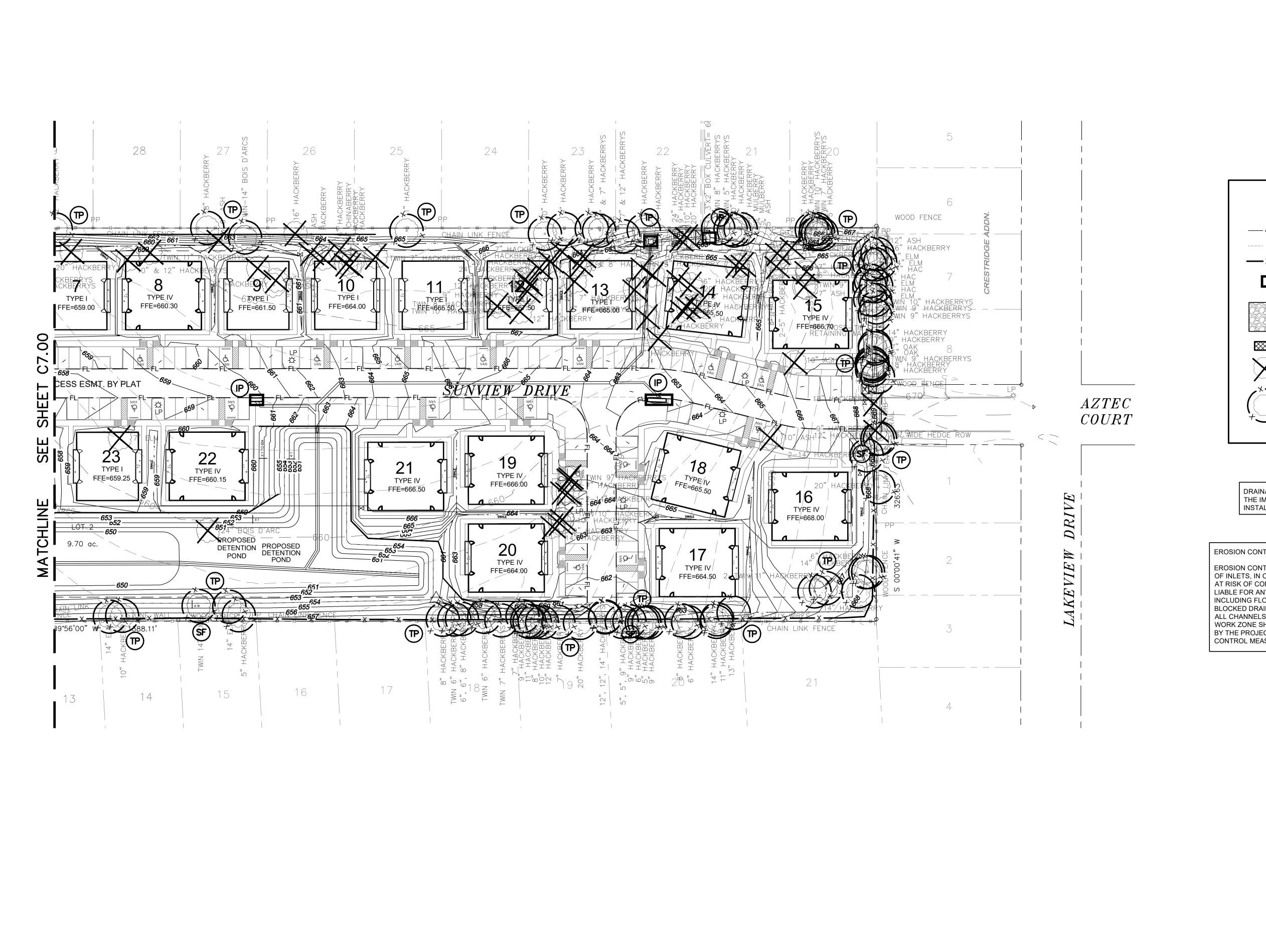
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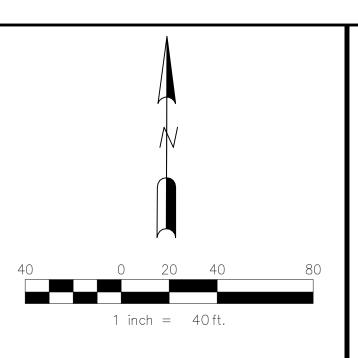
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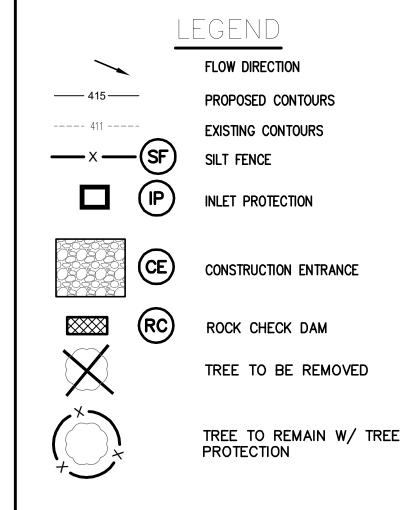
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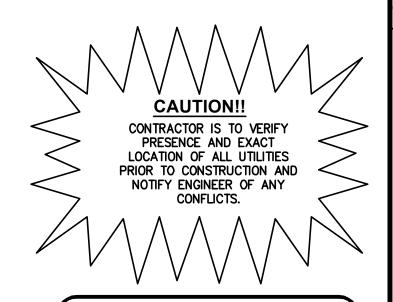




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SION CONTROL PLAN

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C7.01

STANDARD EROSION CONTROL GENERAL NOTES

EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.

ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF LAKE WORTH.

IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.

IF OFF-SITE BORROW OR SPOILS SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFF-SITE BORROW AND SPOILS AREAS ARE CONSIDERED PART OF EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION HALL SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE INSTALLATION.

CONTRACTOR SHALL HAVE A COPY THE SWPPP ON SITE AT ALL TIMES.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE E.P.A. CONTRACTOR SHALL COMPLY WITH ALL E.P.A. STORM WATER POLLUTION PREVENTION REQUIREMENTS.

EROSION CONTROL SCHEDULE AND PHASING

THE PROJECT SHALL GENERALLY CONFORM TO THE FOLLOWING:

PHASE 1 — DEMOLITION/GRADING

- A. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, AND TREE PROTECTION FENCE ACCORDING TO THE APPROXIMATE LOCATION SHOWN ON GRADING AND EROSION CONTROL PLAN, NOTES, AND DETAIL SHEETS.
- B. BEGIN CLEARING AND GRADING OF SITE.
- C. SEED AND REVEGETATE SLOPES WHERE SHOWN.

PHASE 2 - UTILITIES

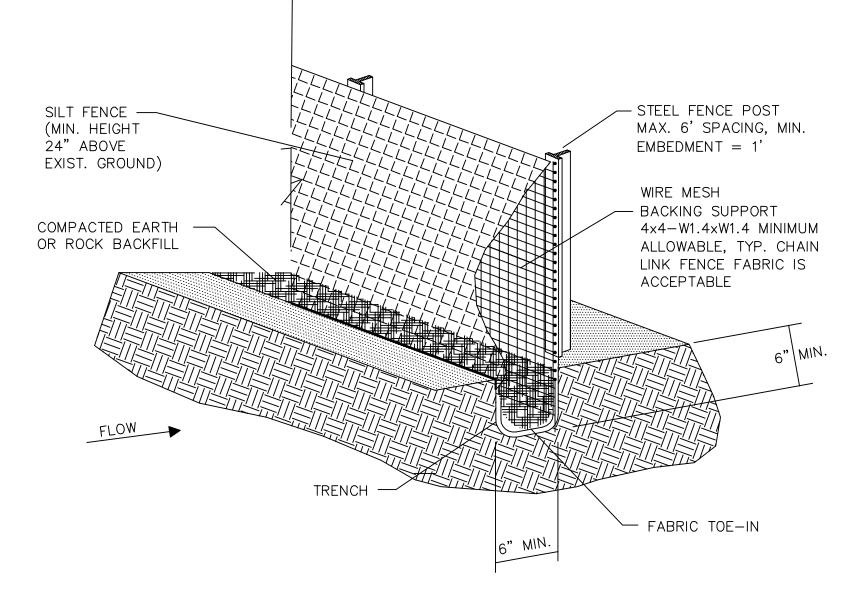
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE.
- B. INSTALL STORM DRAINS AS SPECIFIED ON PLAN SHEETS.
- C. INSTALL INLET PROTECTION.

PHASE 3 - PAVING

- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE. REMOVE AS NEEDED TO PAVE.
- B. STABILIZE SUBGRADE.
- C. PAVE PARKING LOT AND SIDEWALKS AS SPECIFIED ON PLAN SHEETS.
- D. REMOVE TEMPORARY CONSTRUCTION ENTRANCE.

PHASE 4 - LANDSCAPING AND SOIL STABILIZATION

- A. REVEGETATE LOT AND PARKWAYS
- B. LANDSCAPE CONTRACTOR SHALL REVEGETATE ALL AREAS RESERVED FOR LANDSCAPE VEGETATIVE COVERS.
- C. REMOVE EROSION CONTROL DEVICES WHEN GROUND COVER ESTABLISHED.



SILT FENCE GENERAL NOTES

- 1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- 2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- 3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- 4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- 5. INSPECTION SHALL BE MADE EVERY WEEK AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- 7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CONSTRUCTION OF A FILTER BARRIER



B.M.P. MAINTENANCE SCHEDULE

TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT:

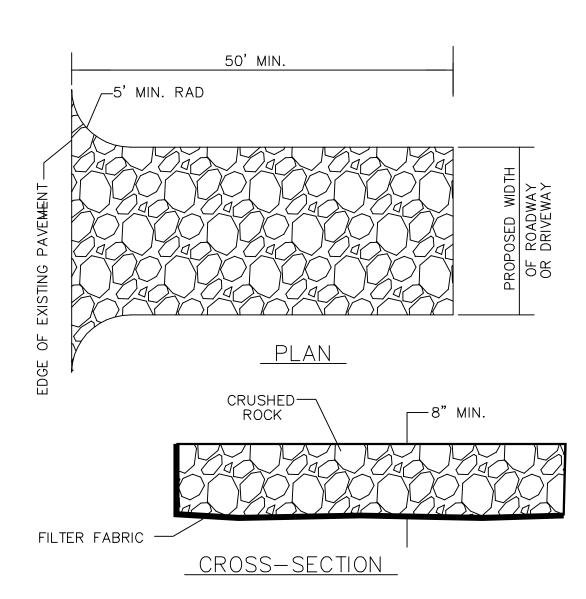
INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE FACILITY IS FUNCTIONING PROPERLY. AGGREGATE PAD SHALL BE WASHED DOWN OR REPLACED WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN THE SONES OR MUD IS BEING TRACKED ONTO THE PUBLIC ROADWAY. RUNOFF FROM WASH DOWN OPERATION SHALL BE FILTERED THROUGH ANOTHER B.M.P. PRIOR TO DRAINING OFF-SITE.

SILT FENCE:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS. SEDIMENT SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-THIRD THE HEIGHT OF THE FENCE ABOVE GRADE. FENCE SHALL BE INSPECTED FOR GAPS AT BASE. INSPECT SUPPORTING POSTS AND FILTER FABRIC. REPLACE IF REQUIRED.

INLET PROTECTION:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY. SEDIMENT SHALL BE REMOVED FROM THE STORAGE AREA WHEN SEDIMENT DEPTH HAS BUILT UP TO ONE-HALF THE DESIGN DEPTH. IF DE-WATERING OF THE STORAGE VOLUME IS NOT OCCURRING, CLEAN OR REPLACE THE FILTER STONE SURROUNDING THE INLET. CLEAN THE STONE SURFACE THE FIRST FEW TIMES BY RAKING. REPEATED SEDIMENT BUILD-UP WILL REQUIRE FILTER STONE REPLACEMENT.



CONSTRUCTION ENTRANCE NOTES:

- 1. STONE SIZE 5 INCHES (MIN) CRUSHED ROCK.
- 2. LENGTH AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
- 3. THICKNESS NOT LESS THAN 8 INCHES.
- 4. WIDTH NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- 5. WASHING WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- 6. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC
 - OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY, MUST BE REMOVED IMMEDIATELY.
- 7. DRAINAGE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- 8. CONTRACTOR TO COORDINATE EXACT LOCATION OF THIS DETAIL.

CONSTRUCTION ENTRANCE

TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT



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DETAIL

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10.10.2019

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Sheet **C7.02**

VERTICAL PANEL BARRICADES TO BE PLACED WHEN LOCATED ON AN ACTIVE STREET. 2" GAP BETWEEN TOP OF FABRIC AND TOP OF INLET OPENING SHALL EXTEND ACROSS THE FULL SPACE BETWEEN SANDBAGS. CURB INLET 4"x4" WIRE MESH-12" MIN. OVERLAP FILTER SOCK — PLACE SAND BAGS FILLED WITH FILTER STONE AT EACH END OF INLET AND ENOUGH IN BETWEEN TO PREVENT GAPS BETWEEN THE PAVEMENT AND THE FILTER FABRIC. LAY BAGS LONGITUDINALLY IN THE GUTTER AT THE ENDS AND TRANSVERSE TO GUTTER IN BETWEEN. 2"X2" WOODEN STAKE-EXCESS SOCK MATERIAL— TO BE DRAWN IN AND TIED OFF TO STAKE AT BOTH ENDS. INLET PLAN VIEW PAVEMENT TO BE PROTECTED FILTER FABRIC CONNECT TO WIRE WITH TIES OR CLIPS AS NEEDED CURB INLET STRUCTURE FILTER SOCK GENERAL NOTES 1. ALL MATERIAL TO MEET MANUFACTURER SPECIFICATIONS 2. FILTER SOCK TO BE FILTREXX INLET SOXX OR APPROVED EQUAL 4"x4" WIRE MESH 3. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. 4. FILTER SOCK SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. 2" GAP BETWEEN TOP OF FABRIC AND TOP OF INLET OPENING 5. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE INLET SECTION HEIGHT OF THE SOCK. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION. TYPE C CURB 6. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER. INLET PROTECTION FILTER SOCK INSTALLATION TREE PROTECTION FENCING INLET PROTECTOR DETAILS



FENCING -

PLAN VIEW

SINGLE TREE

-ORANGE SAFETY

∕—STAKING-6' METAL

FENCE

@ 6' O.C.

5' (TYP.) ►

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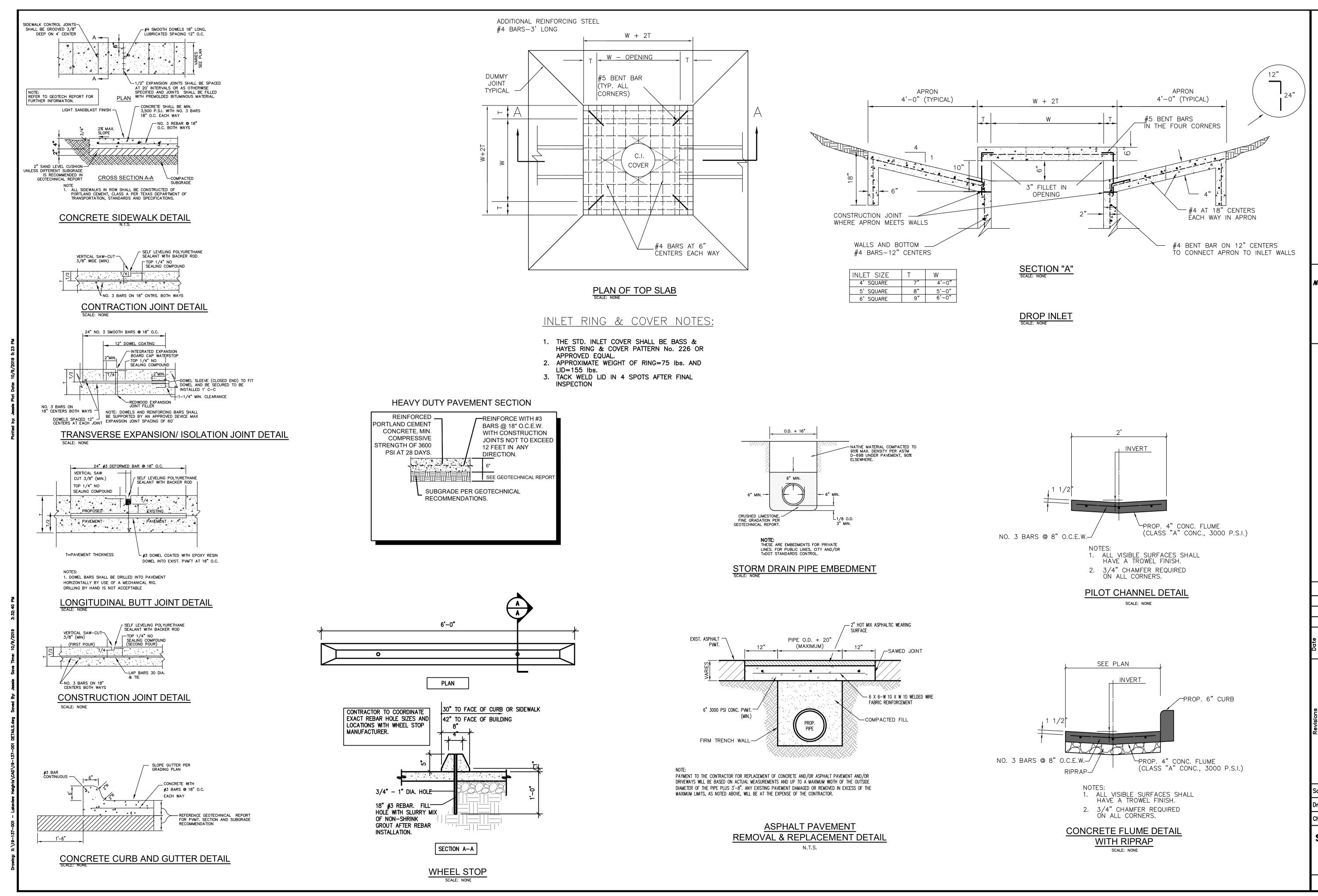
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DETAIL STRUCTION

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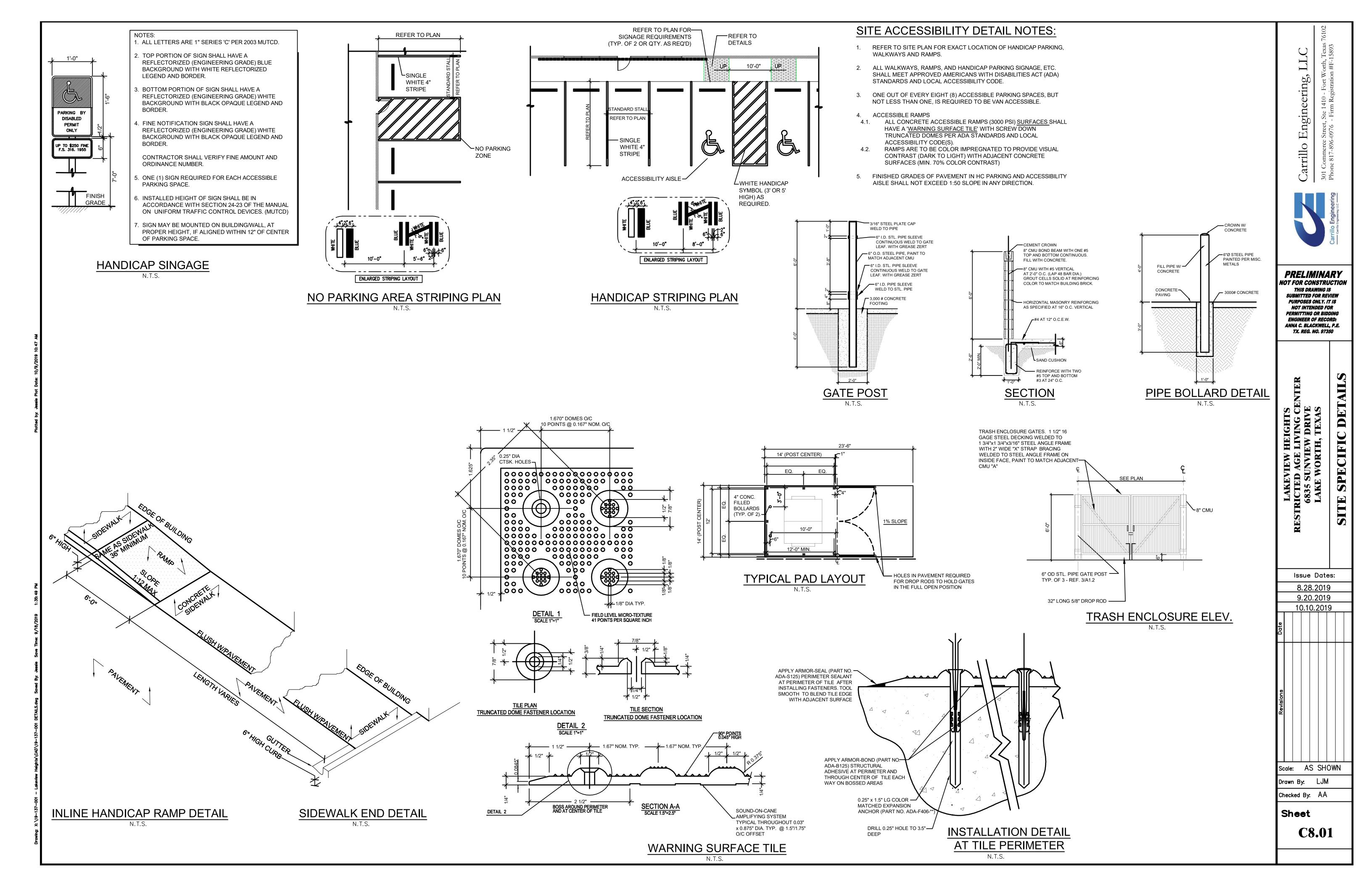
10.10.2019

Scale: AS SHOWN

Drawn By: LJM Checked By: AA

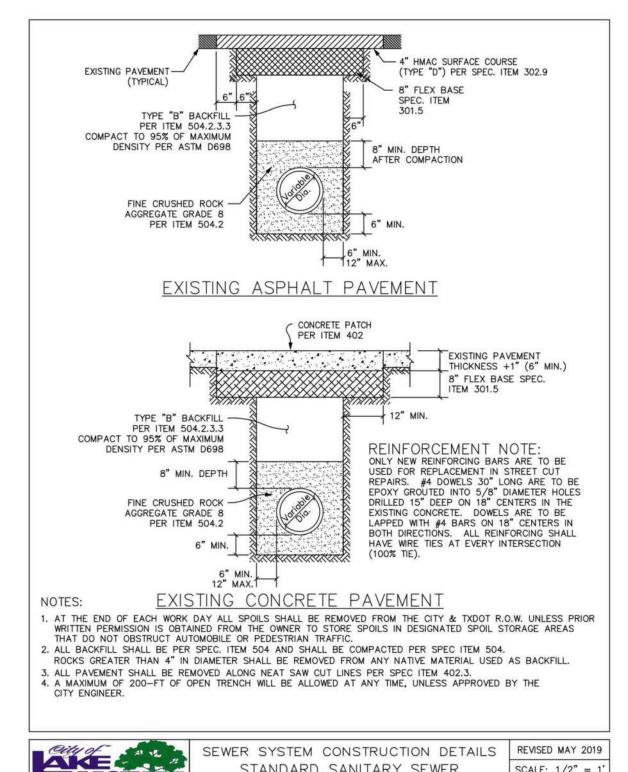
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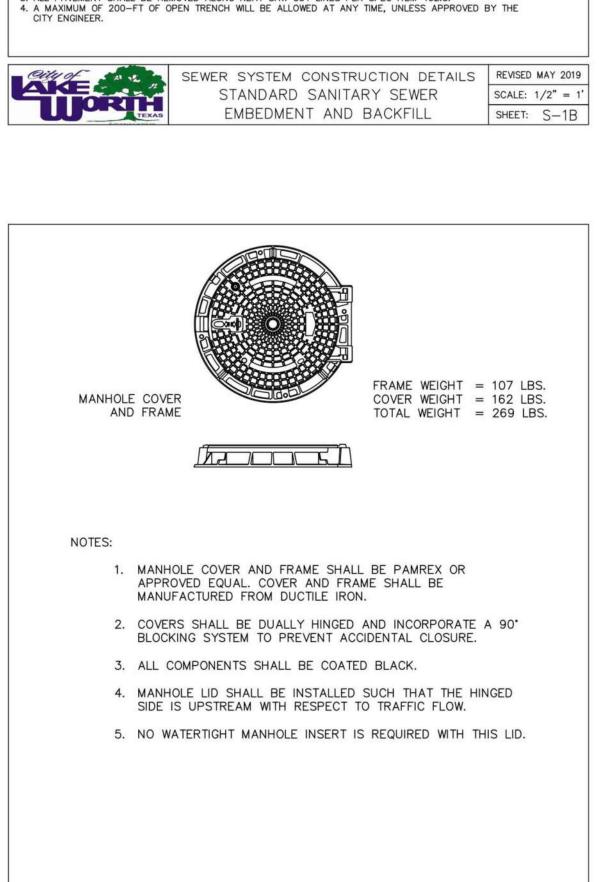
C8.00

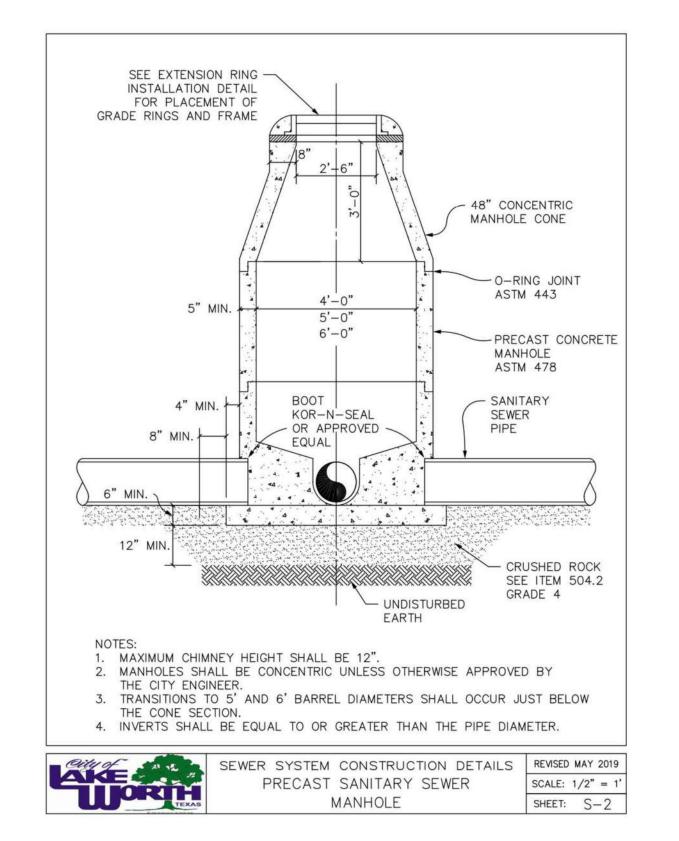


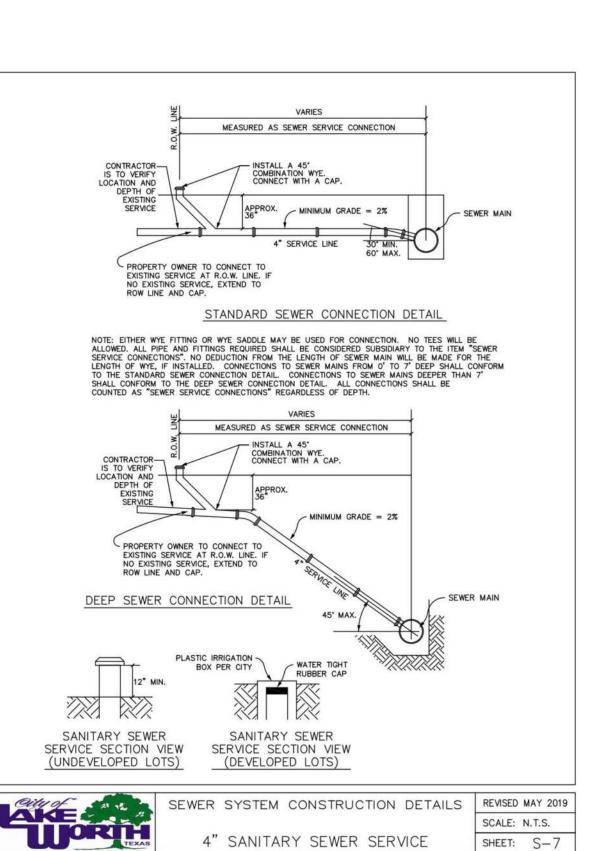
SEWER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019

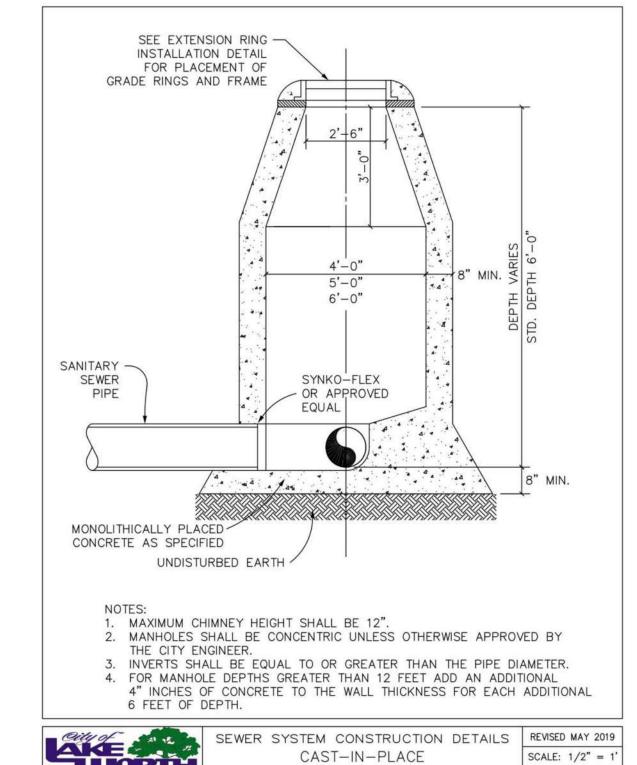
SCALE: 1/2" = 1

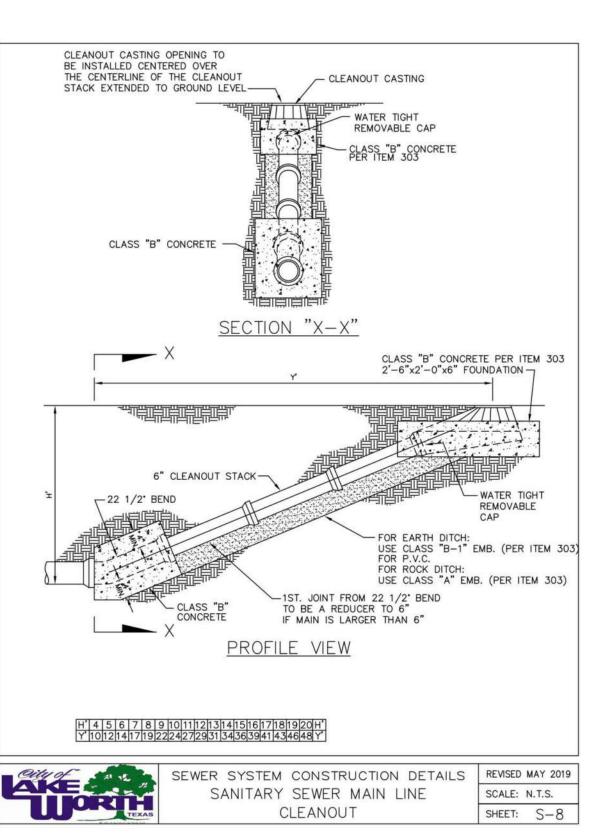


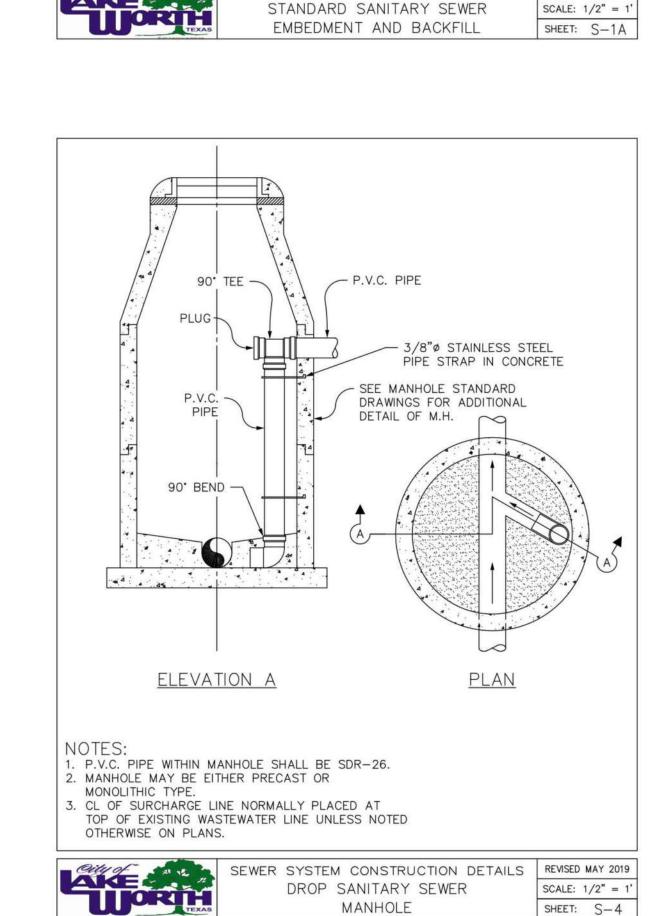


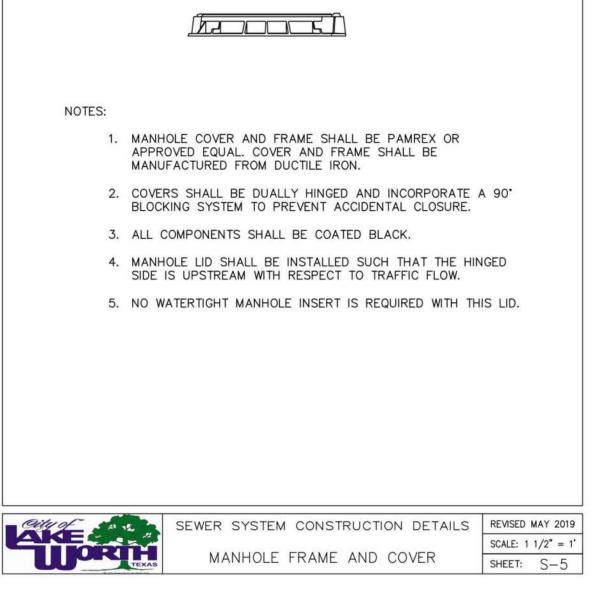


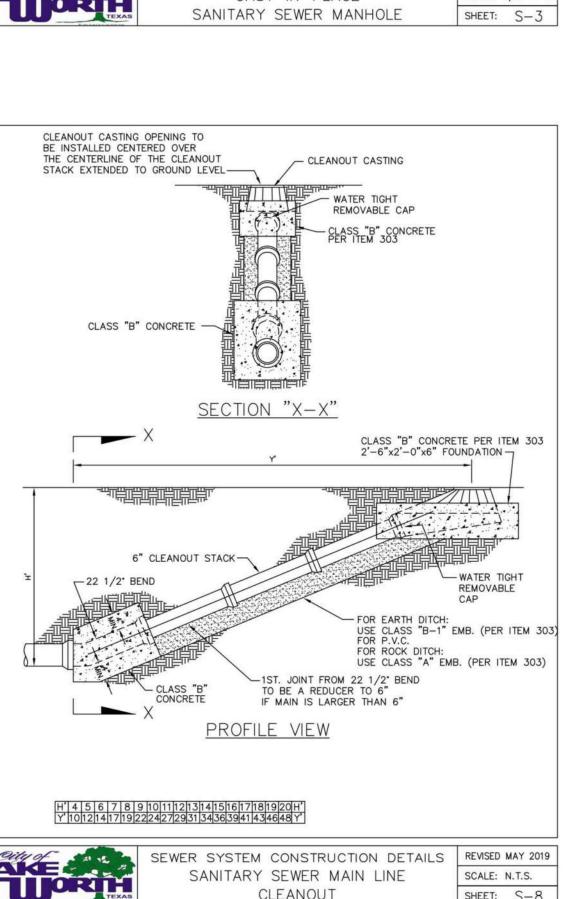








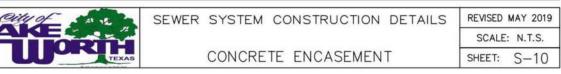


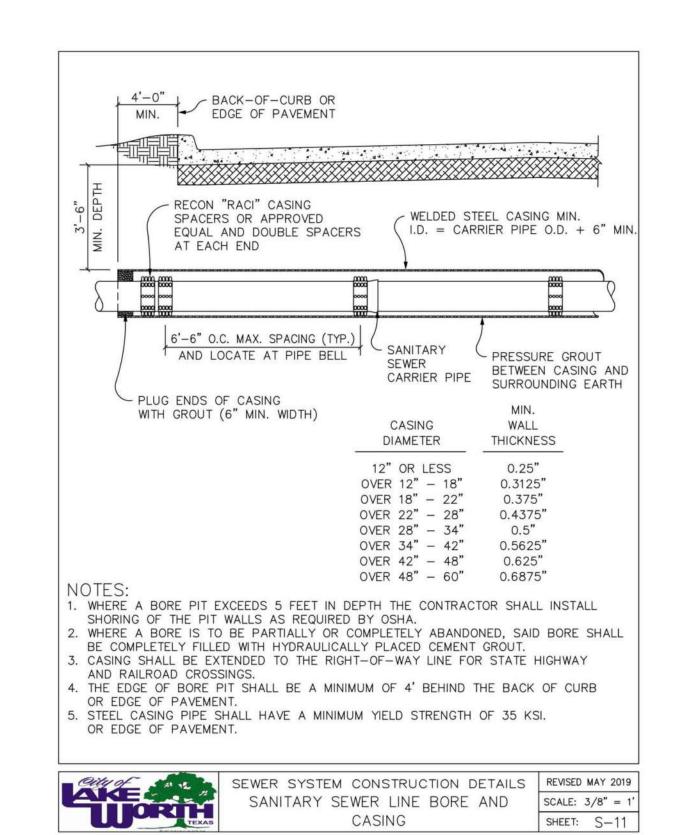


Engineering, **PRELIMINARY** NOT FOR CONSTRUCTION THIS DRAWING IS SUBMITTED FOR REVIEW PURPOSES ONLY. IT IS **NOT INTENDED FOR** PERMITTING OR BIDDING **ENGINEER OF RECORD:** ANNA C. BLACKWELL, P.E. TX. REG. NO. 97350 DETA SEWER

Issue Dates: 8.28.2019 9.20.2019 10.10.2019 Scale: AS SHOWN Drawn By: LJM Checked By: AA

Sheet **C9.00**





Carrillo Engineering,

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DETAIL

SEWER

SA

Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN

Drawn By: LJM Checked By: AA

Sheet

C9.01

UNDERGROUND WATER LINE WARNING TAPE OF MIN. 4" WIDTH SHALL BE INSTALLED ABOVE THE EMBEDMENT MATERIAL.

5. A MAXIMUM OF 200-FT OF OPEN TRENCH WILL BE ALLOWED AT ANY TIME, UNLESS APPROVED BY THE CITY ENGINEER.

STANDARD WATER LINE

EMBEDMENT AND BACKFILL

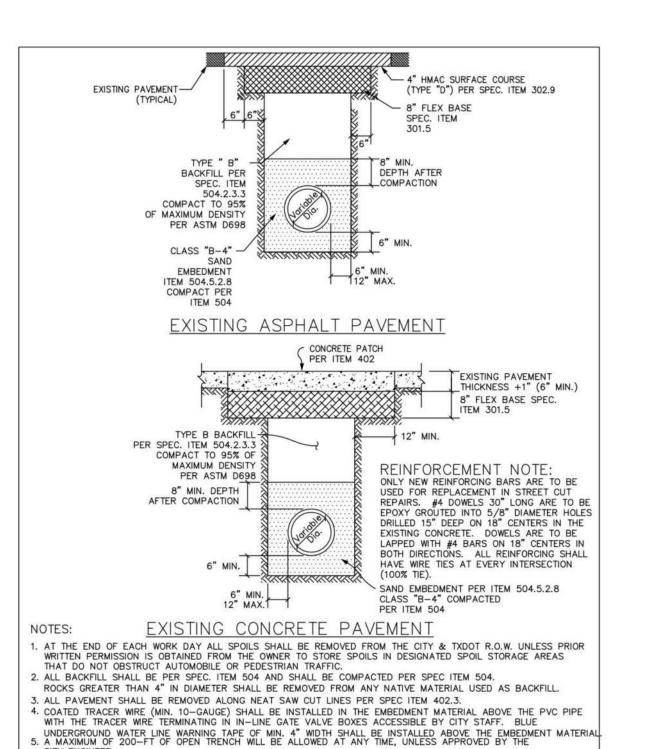
WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019

SCALE: 1/2" = 1'

SHEET: W-1A

6. TOPSOIL SHALL BE 4 INCHES IN DEPTH AND SHALL BE LOOSE AND FREE OF ROCKS OR CLODS GREATER THAN

1/4" IN DIAMETER. ALL TOPSOIL SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.



FINISHED GRADE AT HYDRANT 6" MAX. _______ BACKFILL SHALL
BE TYPE "B"
SPEC. ITEM
504.2.3.3 (TYP.)
COMPACTION —
PER SPEC. ITEM
504 (TYP.) 3'x3' CONC. PAD CLASS "A" CONCRETE IN UNPAVED AREAS MJ X FLG TEE MEGA, LUGS COUPLINGS MIN. 7 CUBIC FEET OF STANDARD CRUSHED ROCK GRADE 4 PER SPEC. ITEM 504.2.2 6" MJ X FLG RS GATE VALV (SEE DETAIL W-3 FOR INSTALLATION) 1. ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS, C-502. FIRE HYDRANTS SHALL HAVE A 5 1/4" MIN VALVE OPENING AND AN INSIDE BARREL DIAMETER OF APPROXIMATELY 7". ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. 2. ACTUAL VALVE LOCATION WILL DEPEND ON LOCATION OF WATER MAIN. 3. FIRE HYDRANT NO CLOSER THAN 18" TO EXISTING OR PROPOSED SIDEWALKS. (TYPICAL) 4. BURY DEPTH SHALL NOT EXCEED 7-FEET. 5. FIRE HYDRANT SHALL BE PLACED ON THE EXTENDED LOT LINE WHEN POSSIBLE. 6. ALL BELOW GROUND IRON ASSEMBLES SHALL BE WRAPPED IN POLYETHYLENE ACCORDING TO AWWA C105. 7. FIRE HYDRANT SHALL BE LOCATED A MINIMUM OF 1 FOOT OUTSIDE OF THE AREA BETWEEN THE P.C.'S

- 8. FIRE HYDRANT SHALL BE AT LEAST 42-INCHES FROM ANY ABOVE GROUND OBSTRUCTIONS, SUCH AS GUARDRAILS, RETAINING WALLS, BOLLARDS, ETC. 9. ALL FIRE HYDRANTS SHALL BE MANUFACTURED BY M&H OR MULLER (M&H MODEL 129, OR MULLER SUPER
- 10. ALL HYDRANTS SHALL OPEN BY TURNING THE OPERATING-STEM NUT TO THE RIGHT (CLOCKWISE). A CLEARLY VISIBLE CURVED ARROW AND THE WORD "OPEN" SHALL BE CAST IN RELIEF ON TOP OF THE

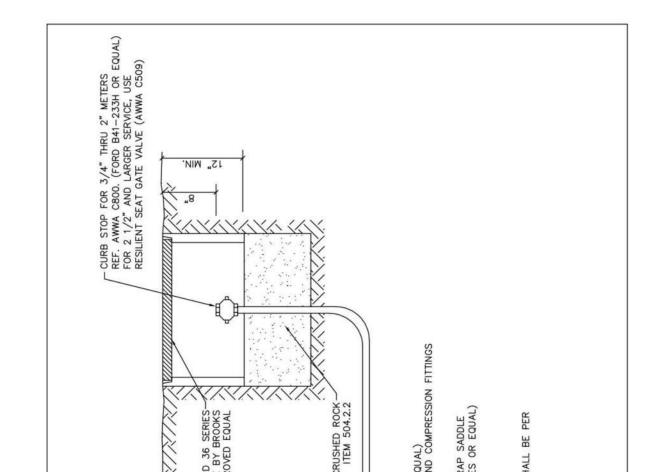
 city	of		R.
	E		11
		RI	
			EXAS

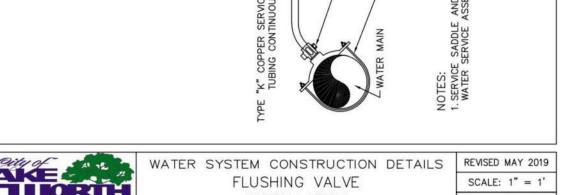
WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 FIRE HYDRANT SCALE: 3/8" = 1'INSTALLATION SHEET: W-2

WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 GATE VALVE SCALE: 3/4" = 1' INSTALLATION SHEET: W-3

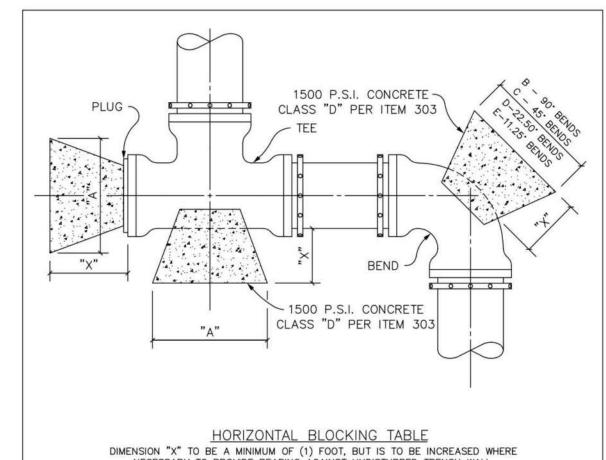
WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 STANDARD WATER LINE EMBEDMENT AND BACKFILL

SCALE: 1/2" = 1' SHEET: W-1B





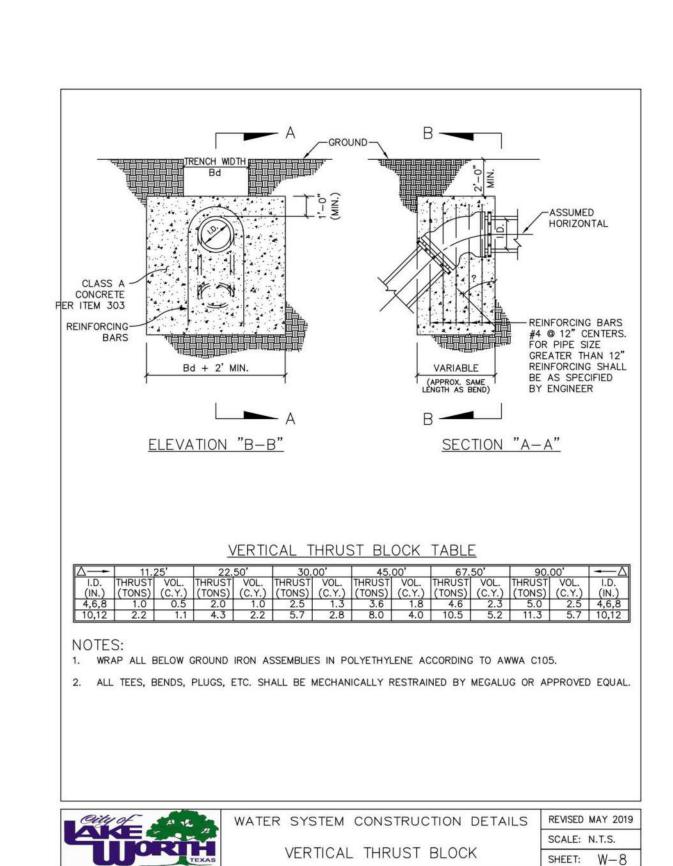
30" MIN.

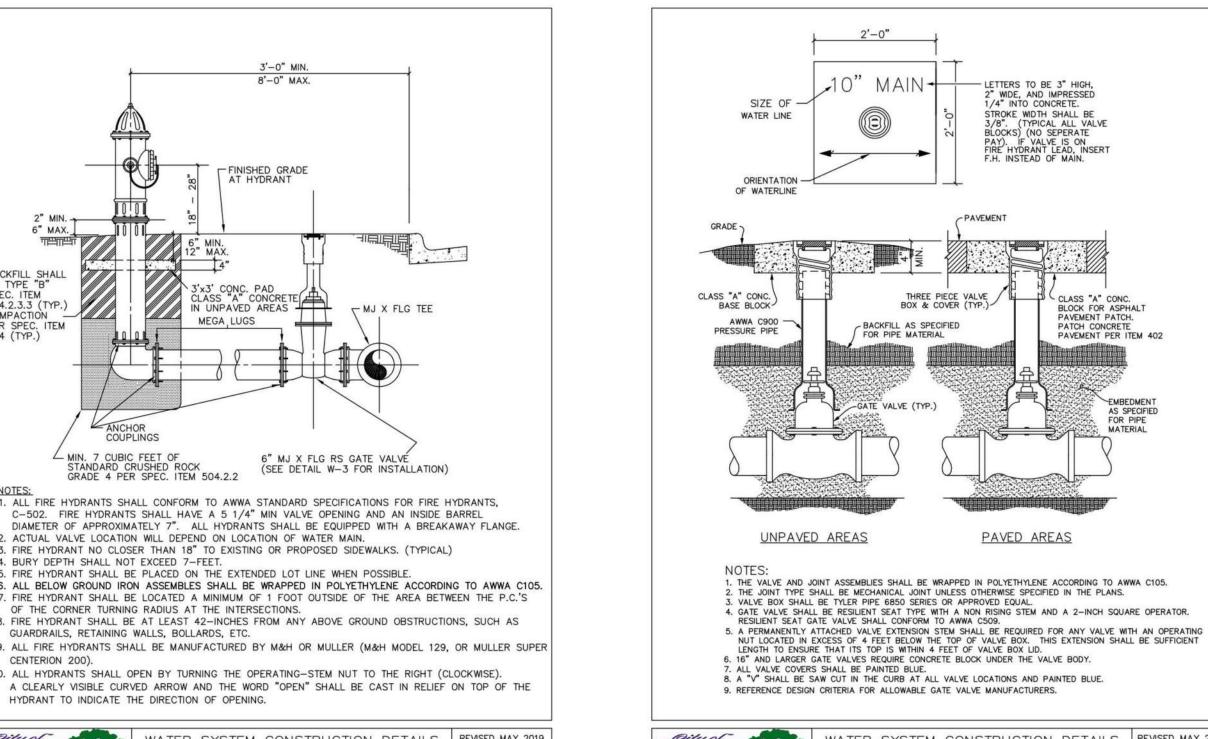


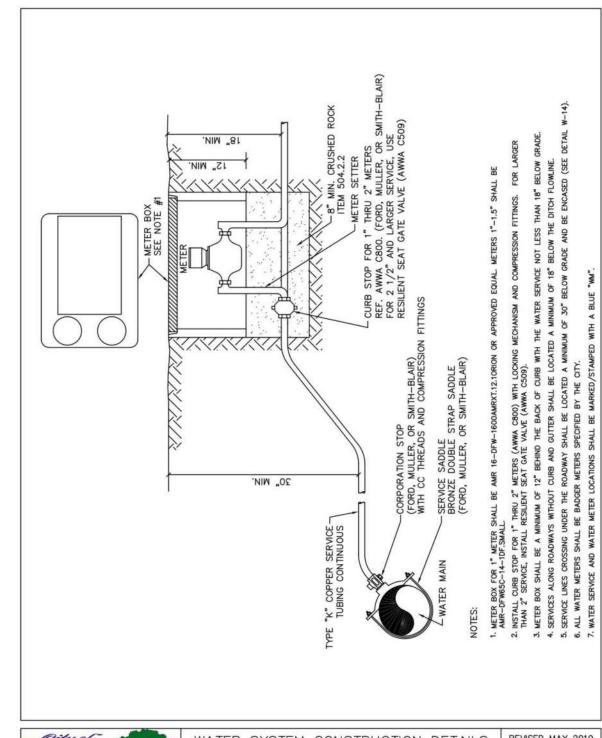
						(1) FOOT, AGAINST					
PIPE	"x"	PLUGS & TEES 90' BENDS 45' BENDS 22.50' BENDS 11.		90° BENDS 45° BENDS		11.25	BENDS				
SIZE	DÎM.	"A"	MIN. AREA sf	"B"	MIN. AREA sf	"c"	MIN. AREA sf	"D"	MIN. AREA sf	"E"	MIN. AREA sf
6"	1'-6"	1'-0"	1.06	1'-2"	1.50	1'-0"	.83	1'-0"	.83	1'-0"	.83
8"	1'-6"	1'-3"	1.89	1'-6"	2.66	1'-3"	1.44	1'-0"	.83	1'-0"	.83
10"	1'-6"	1'-9"	2.95	2'-0"	4.17	1'-6"	2.26	1'-3"	1.15	1'-0"	.83
12"	1'-6"	2'-0"	4.25	2'-3"	6.00	1'-9"	3.25	1'-3"	1.65	1'-0"	.83
16"	2'-0"	2'-7"	7.54	3'-0"	10.65	2'-3"	5.76	1'-8"	2.94	1'-2"	1.48

- BEARING AREAS SHOWN ARE BASED ON 150 PSI TEST PRESSURE AND 3000 PSF ALLOWABLE SOIL BEARING PRESSURE.
- 2. WRAP ALL BELOW GROUND IRON ASSEMBLIES IN POLYETHYLENE ACCORDING TO AWWA C105.
- 3. ALL TEES, BENDS, PLUGS, ETC. SHALL BE MECHANICALLY RESTRAINED BY MEGALUG OR APPROVED EQUAL.

City of	WATER SYSTEM CONSTRUCTION DETAILS	REVISED MAY 2019
	HORIZONTAL AND VERTICAL (DOWNWARD)	SCALE: N.T.S.
TEXAS	THRUST BLOCKING	SHEET: W-7









WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 1"-2" WATER SERVICE ASSEMBLY

SCALE: 1" = 1'

INSTALLATION SHEET: W-6 Engineering, Carrillo

PRELIMINARY NOT FOR CONSTRUCTION THIS DRAWING IS SUBMITTED FOR REVIEW PURPOSES ONLY. IT IS NOT INTENDED FOR PERMITTING OR BIDDING **ENGINEER OF RECORD:** ANNA C. BLACKWELL, P.E. TX. REG. NO. 97350

> DETAIL WATER

Issue Dates: 8.28.2019 9.20.2019 10.10.2019

> Checked By: AA Sheet

Scale: AS SHOWN

Drawn By: LJM

C9.02

ALL TEES, BENDS, PLUGS, ETC. SHALL BE MECHANICALLY RESTRAINED BY MEGALUG OR APPROVED EQUAL.

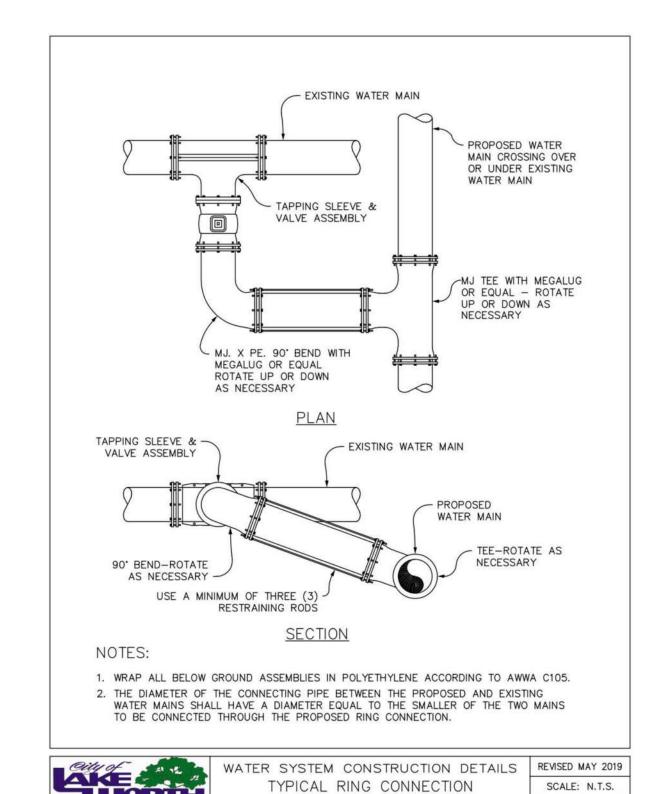
CONCRETE CRADLE AT

VERTICAL BENDS

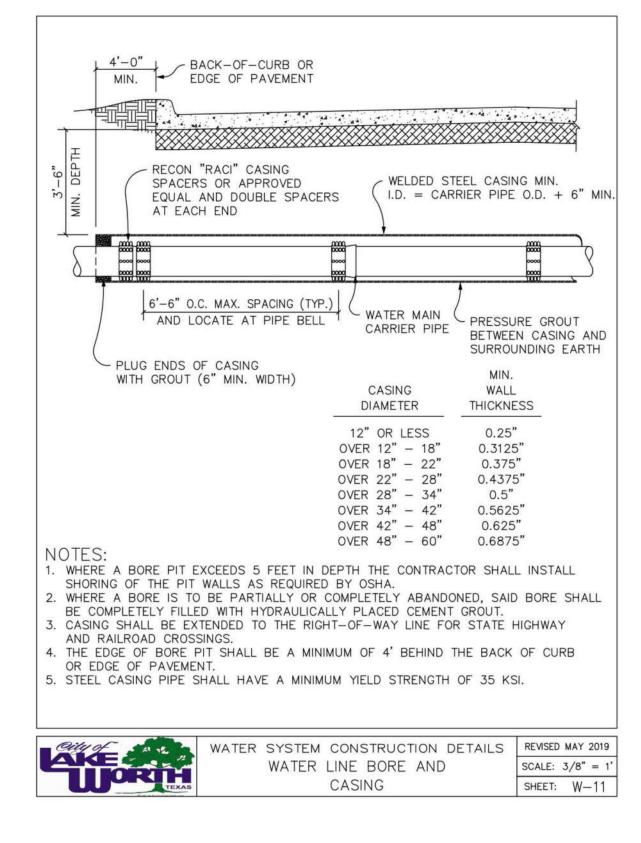
WATER SYSTEM CONSTRUCTION DETAILS REVISED MAY 2019

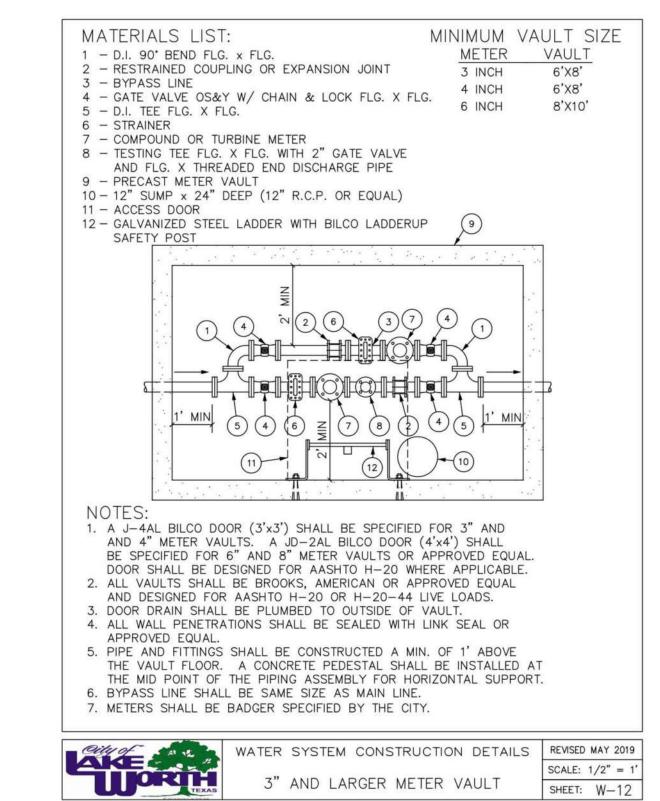
SCALE: N.T.S.

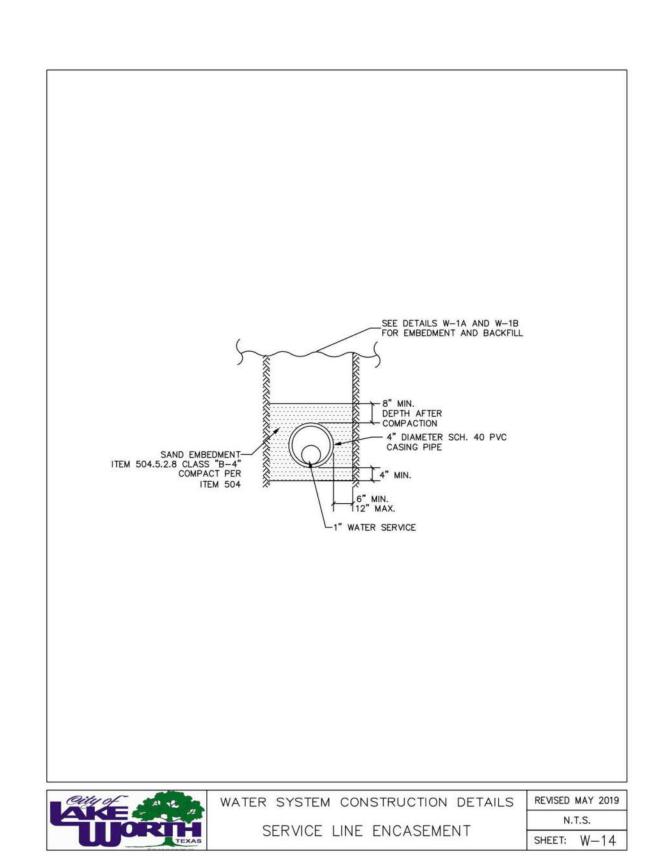
SHEET: W-9

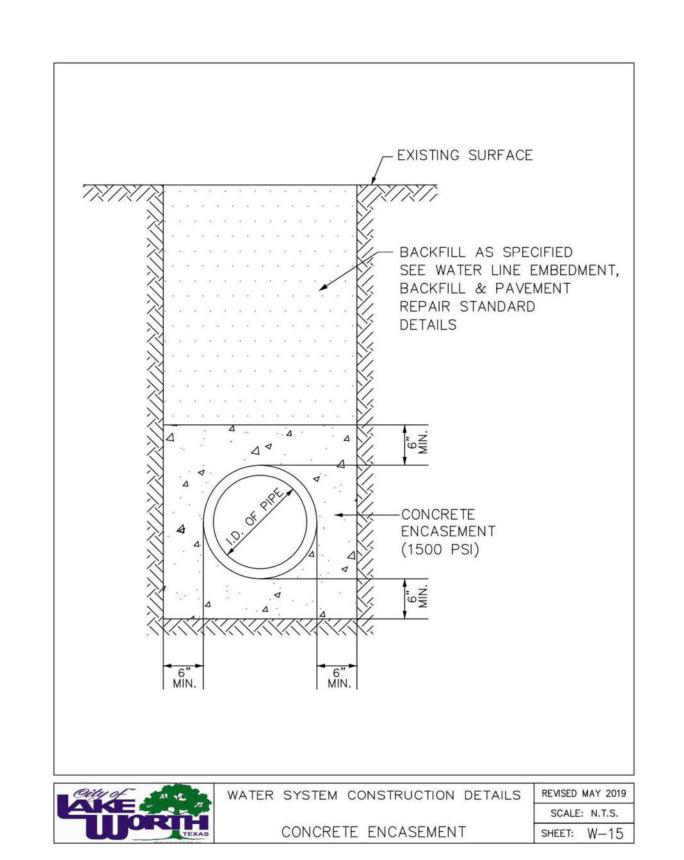


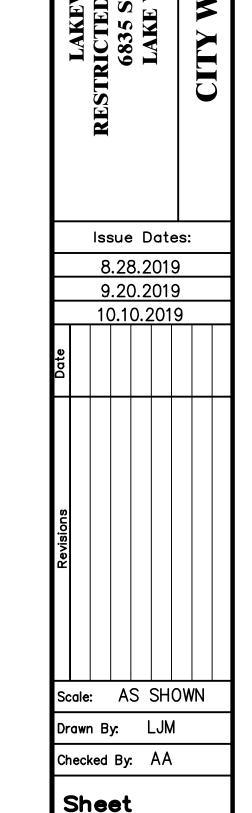
SHEET: W-10











C9.03

Engineering,

Carrillo

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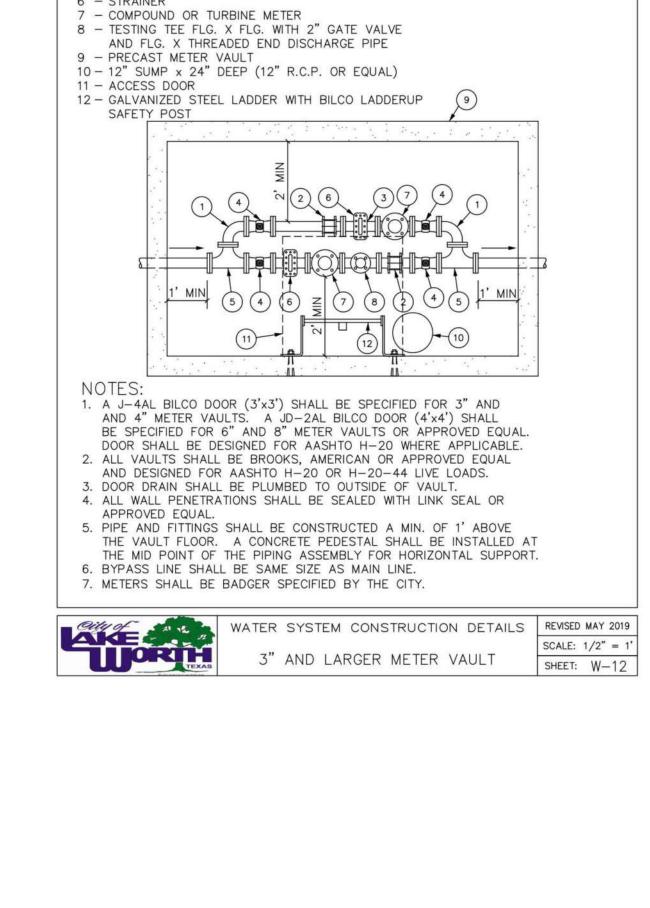
PERMITTING OR BIDDING

ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350

DETAIL



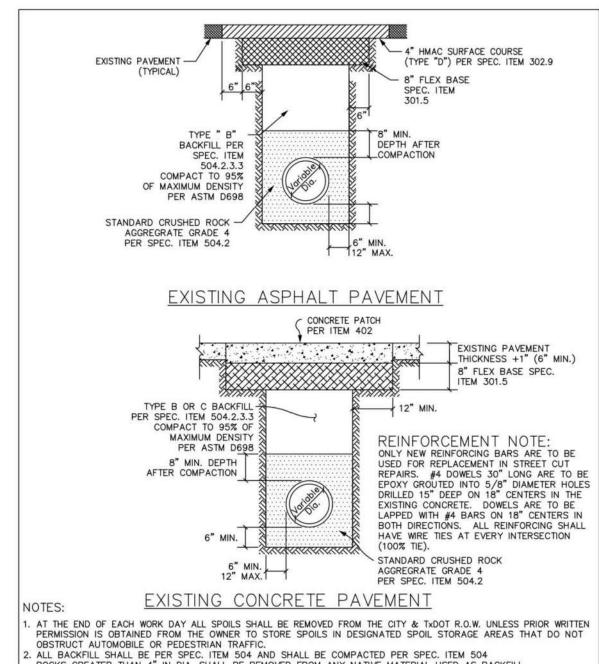
6. TOPSOIL SHALL BE 4 INCHES IN DEPTH AND SHALL BE LOOSE AND FREE OF ROCKS OR CLODS GREATER THAN

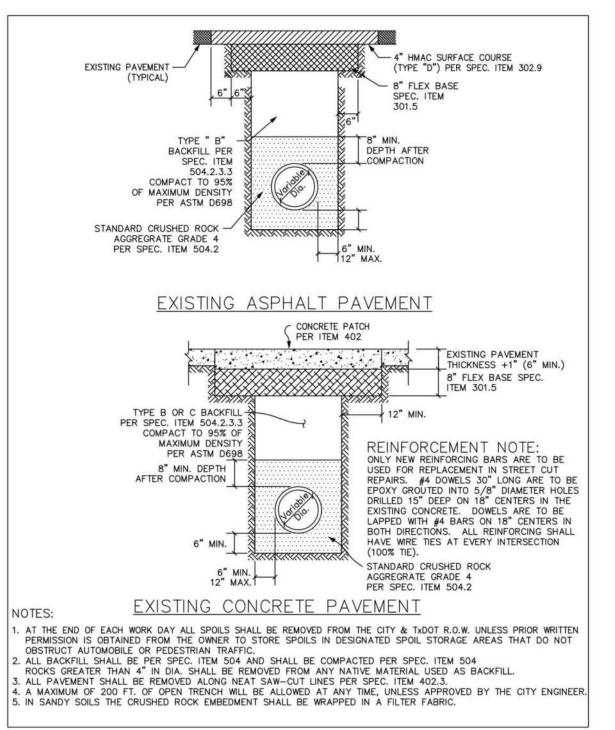
DRAINAGE SYSTEM CONSTRUCTION DETAILS

ORM SEWER EMBEDMENT & BACKFILL

REVISED MAY 2019

1/4" IN DIAMETER. ALL TOPSOIL SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.

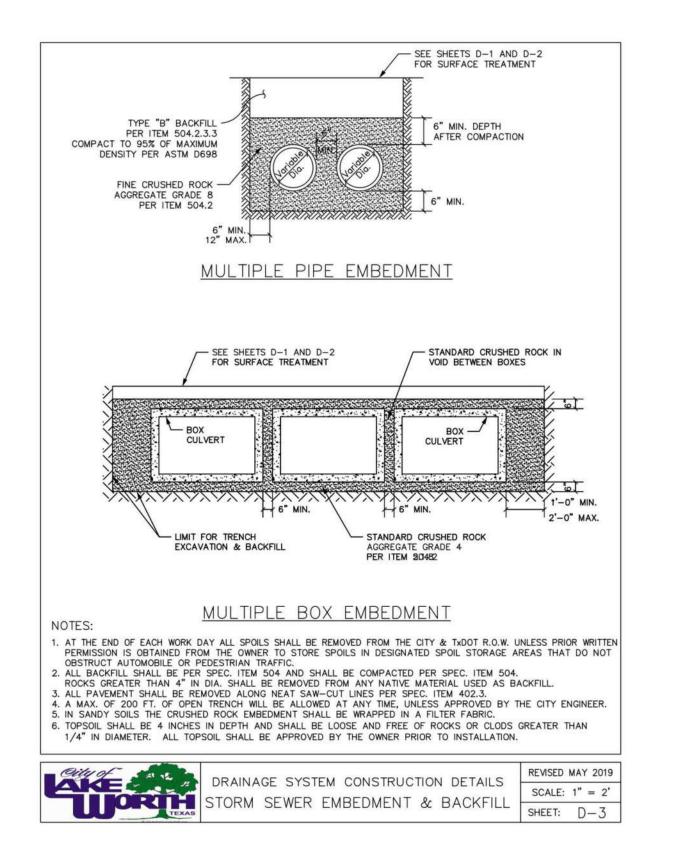


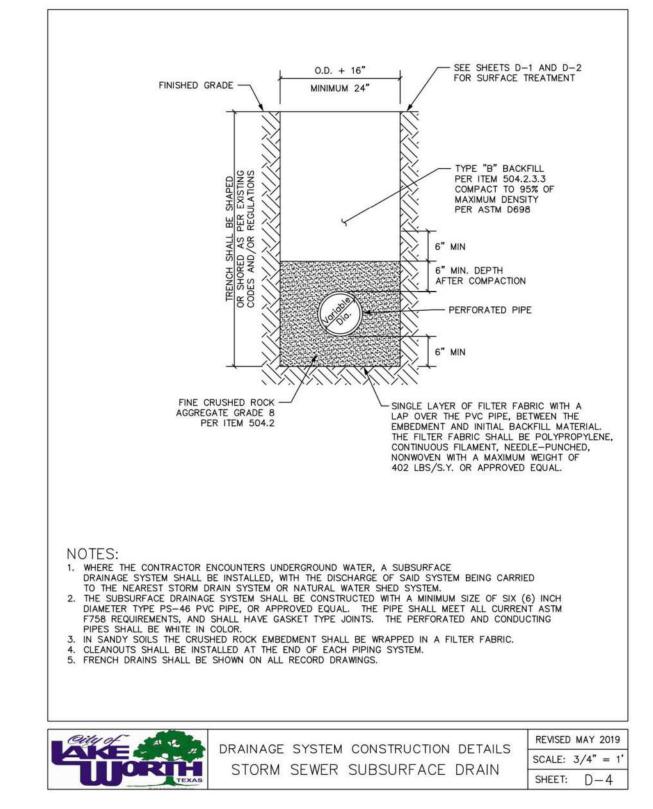


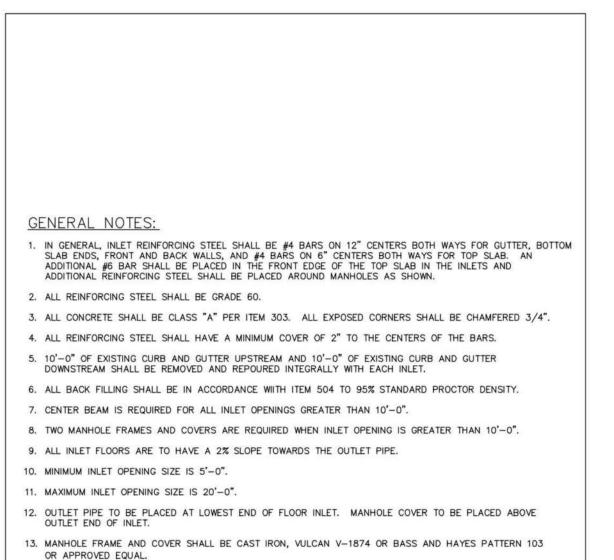
DRAINAGE SYSTEM CONSTRUCTION DETAILS

REVISED MAY 2019

SCALE: 1" = 2'





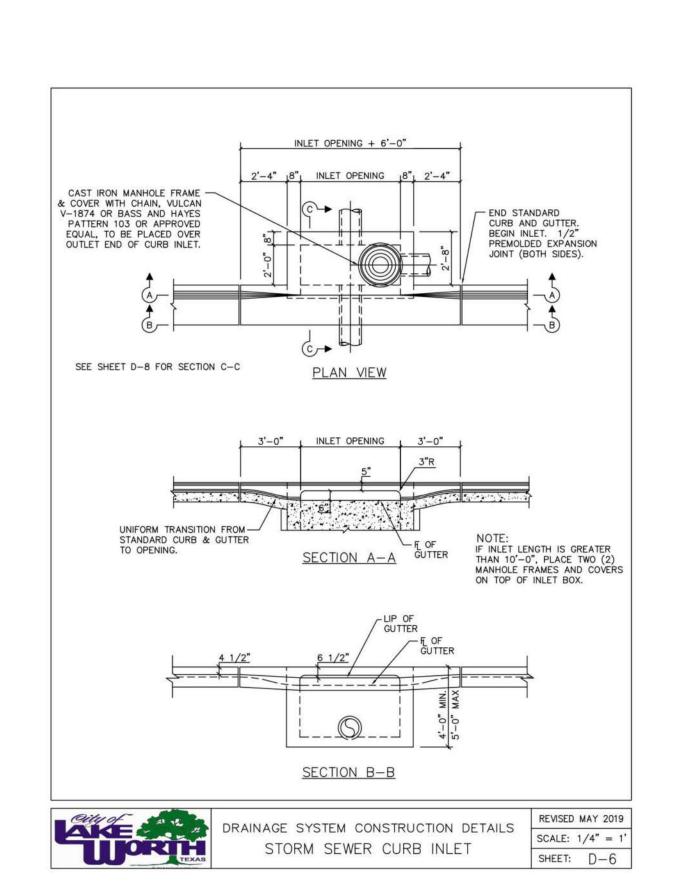


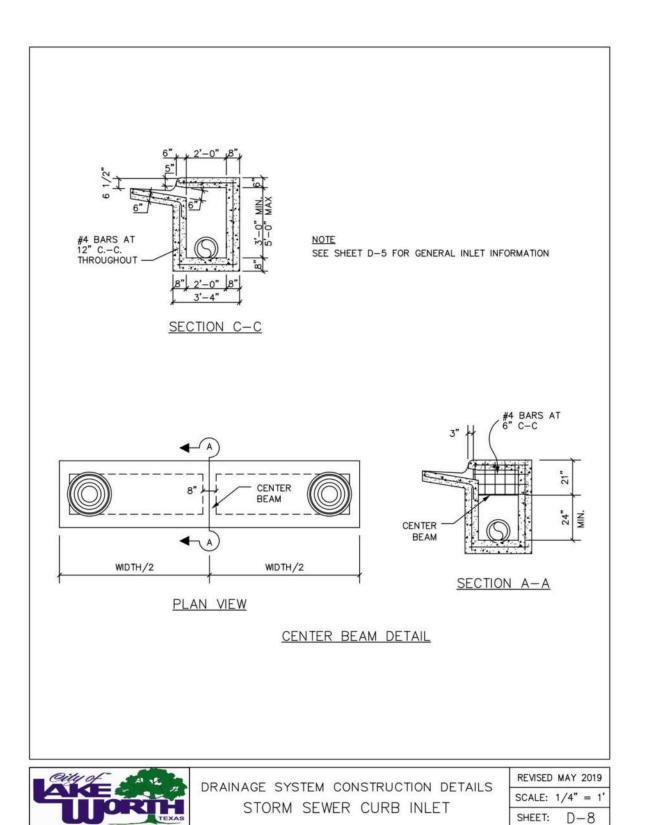
14. MANHOLE COVERS SHALL HAVE CHAINS ATTACHED TO PREVENT COVERS FROM BEING WASHED AWAY DURING

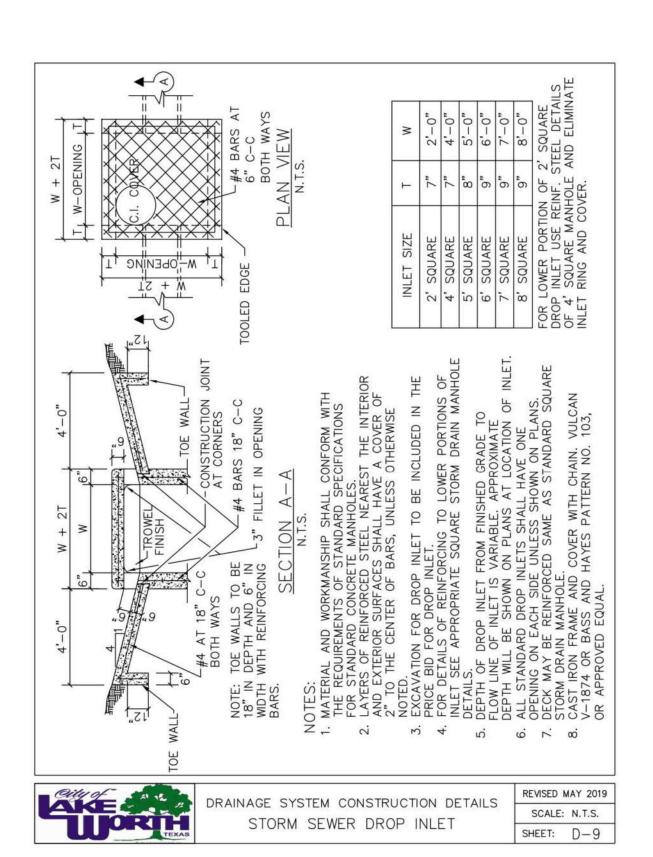
DRAINAGE SYSTEM CONSTRUCTION DETAILS

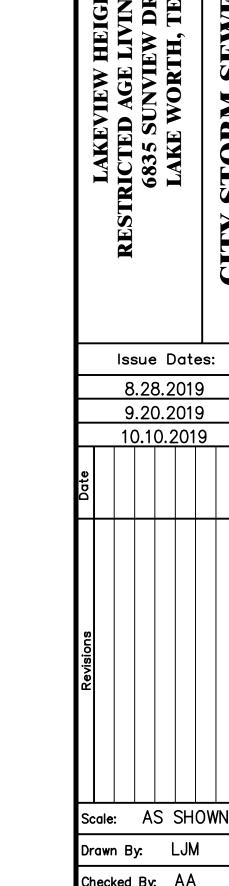
STORM SEWER INLET GENERAL NOTES

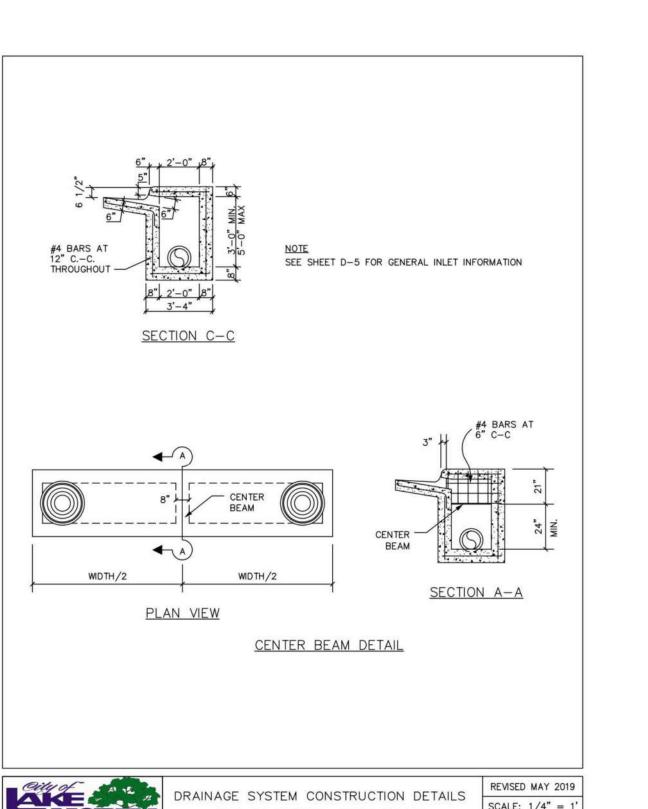
FLOOD CONDITIONS.

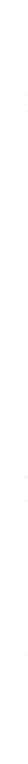












Checked By: AA Sheet

C9.04

Engineering, Carrillo

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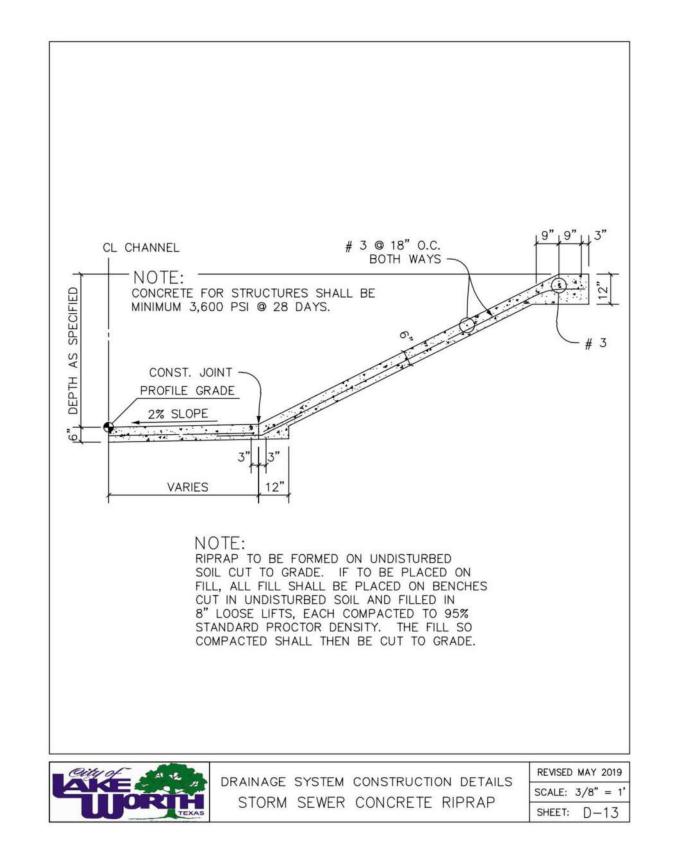
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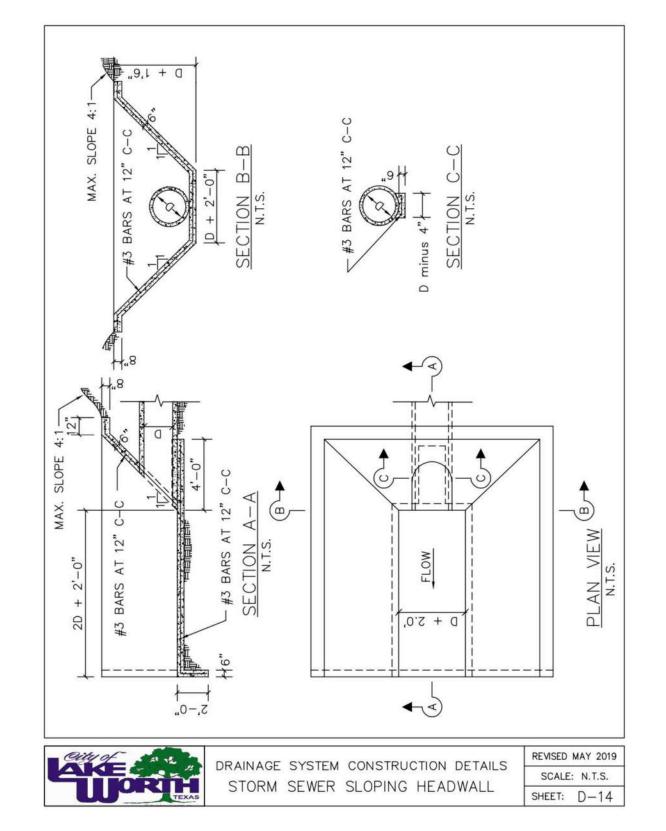
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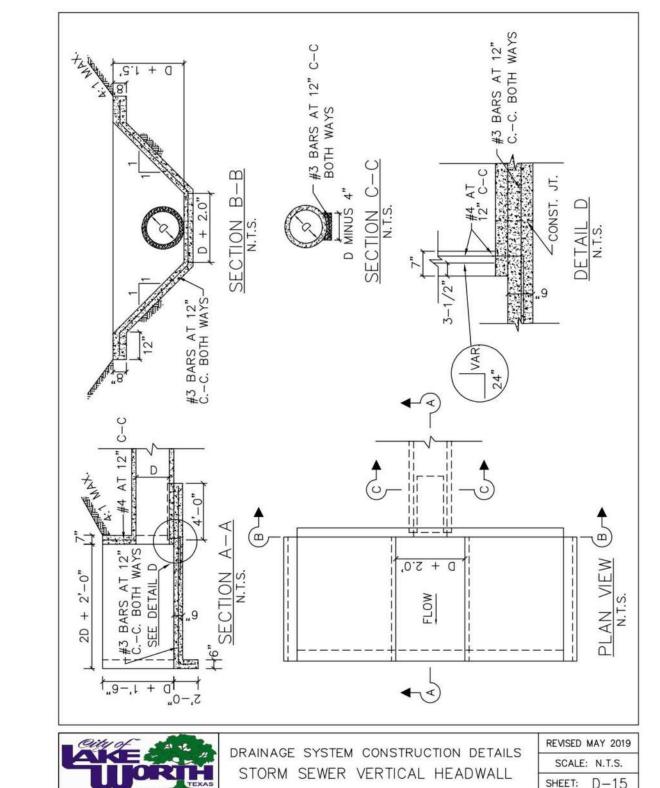
ANNA C. BLACKWELL, P.E.

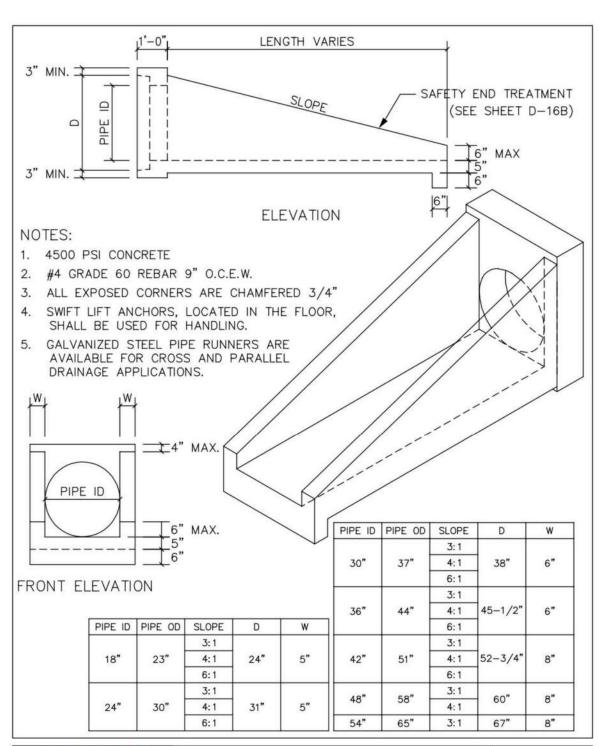
TX. REG. NO. 97350

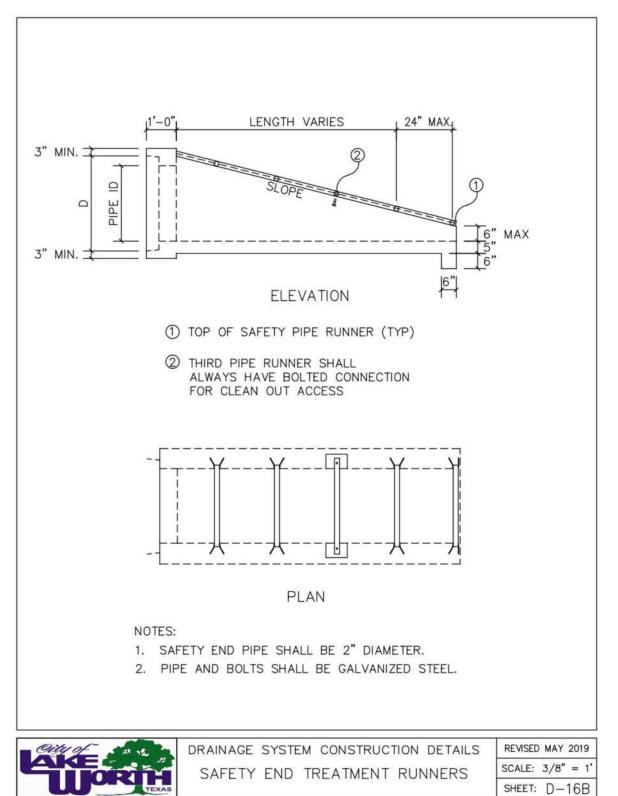
STORM

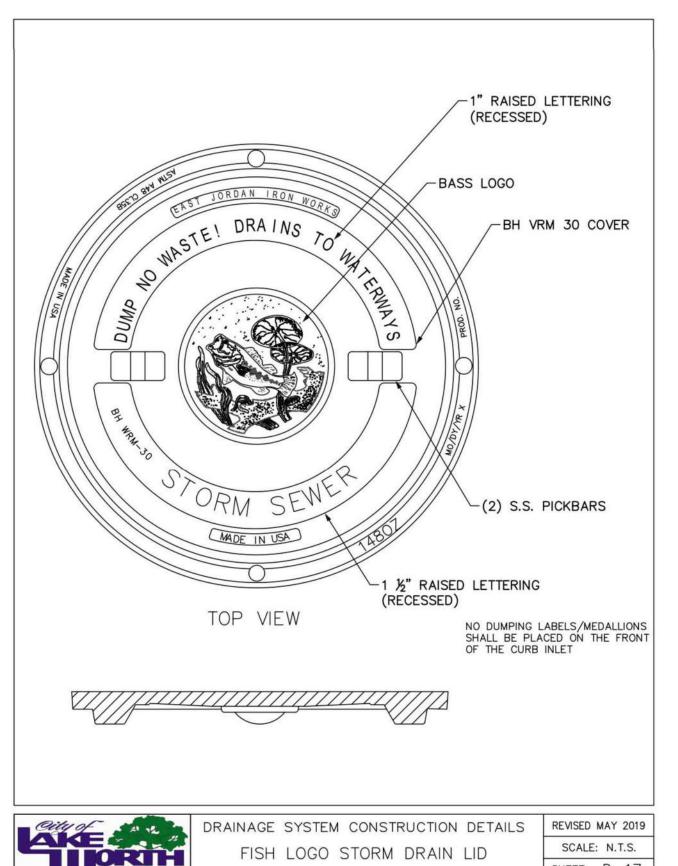


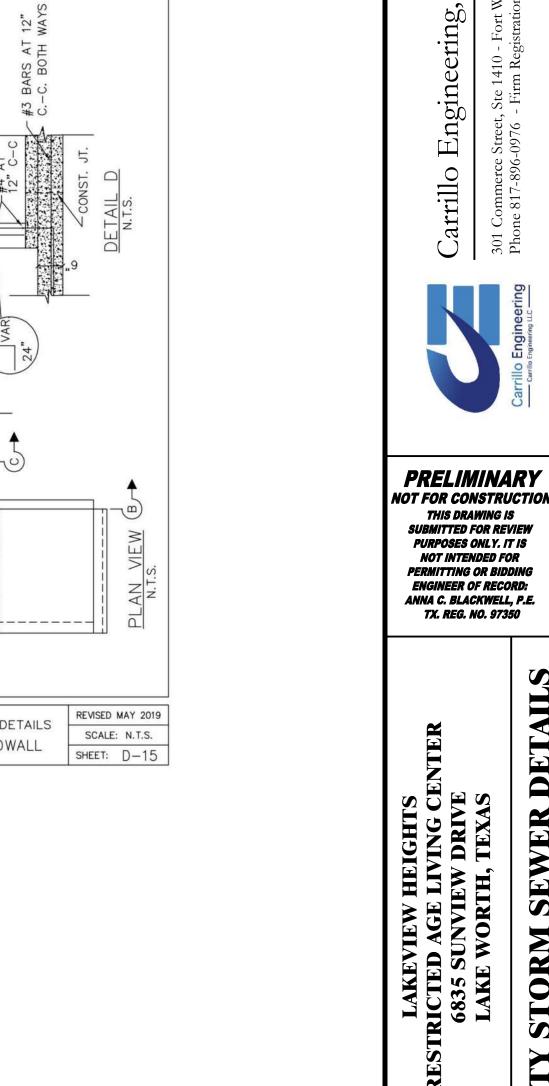


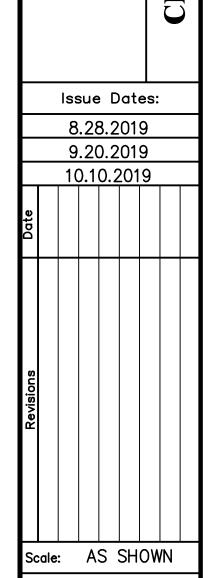












SEWER DETAILS

STORM

Drawn By: LJM Checked By: AA

Sheet

C9.05

DRAINAGE SYSTEM CONSTRUCTION DETAILS

REVISED MAY 2019

SCALE: 3/8" = 1' SHEET: D-16A SHEET: D-16B SHEET: D-17

OVERALL LANDSCAPE COLOR PLAN



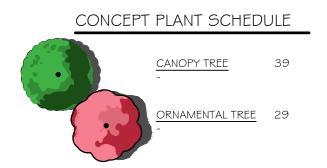
6' WOODEN FENCE SAMPLE PHOTO



MONUMENT SIGN SAMPLE PHOTO

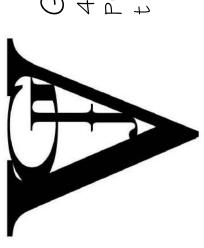


BRANDON INDUSTRIES STREET LIGHT



CITY REQUIREMENTS:

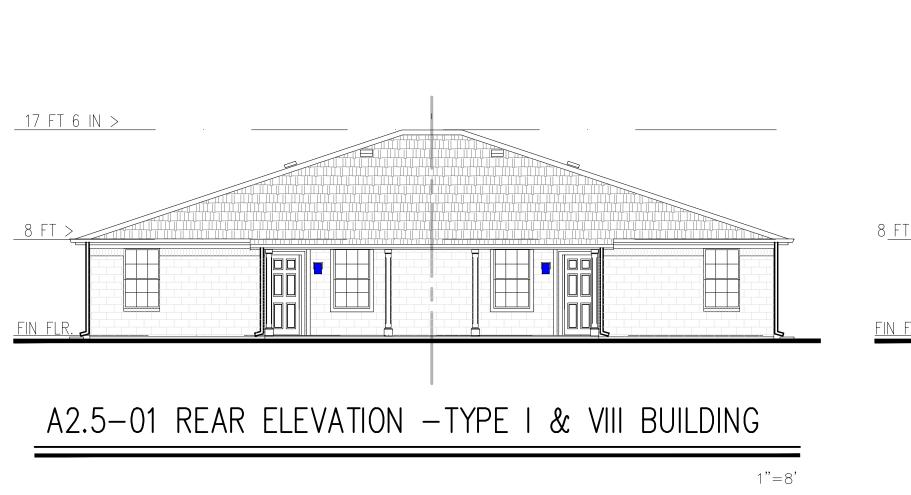
	REQ.	PROV.
LANDSCAPE AREA 20% OF THE SITE SHALL BE LANDSCAPE AREA 460,888SF X .20 = 92,178SF 40% OF REQUIRED LANDSCAPE AREA IN DESIGNATED FRONT YARD	92,178 (20%) N/A	221,096 (48%)

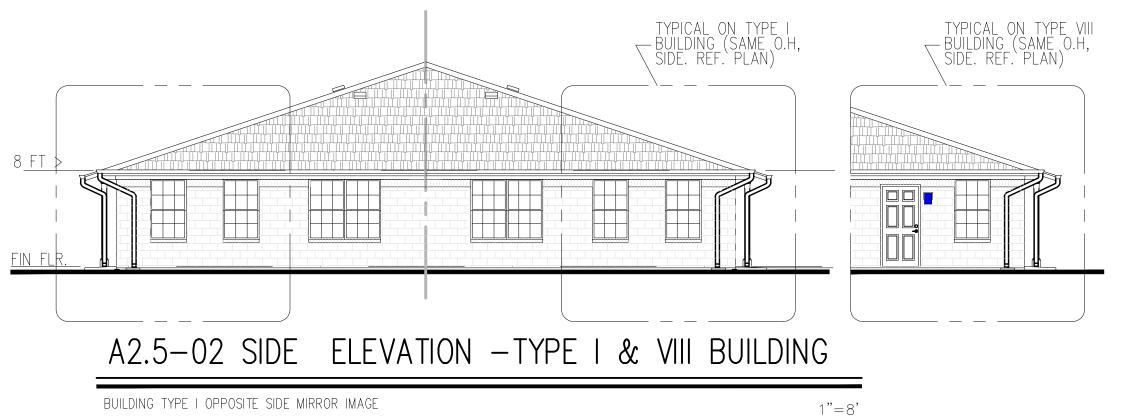


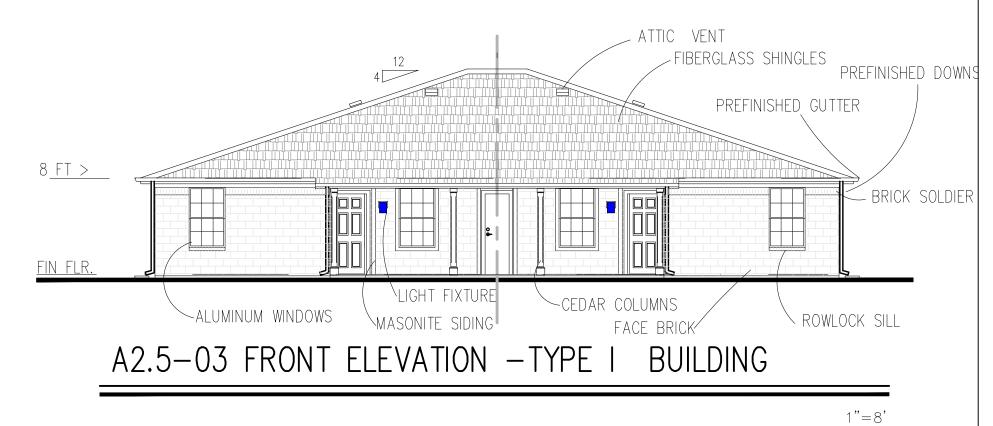
S CENTER

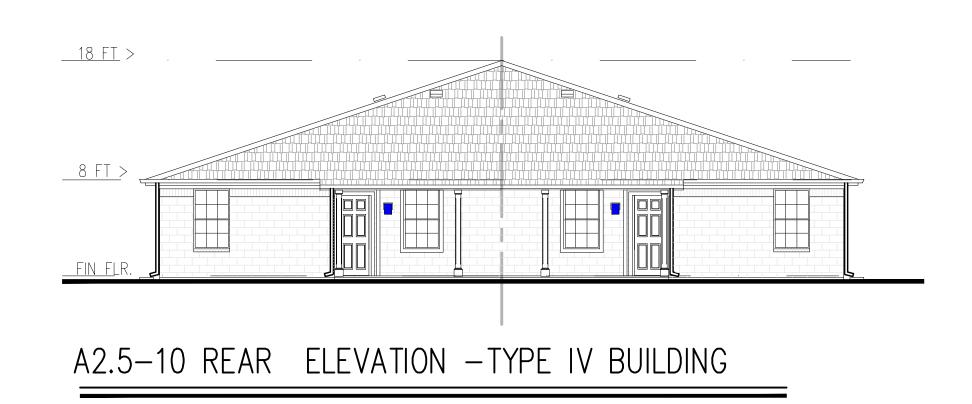
RESTRI

ANDSCAPE

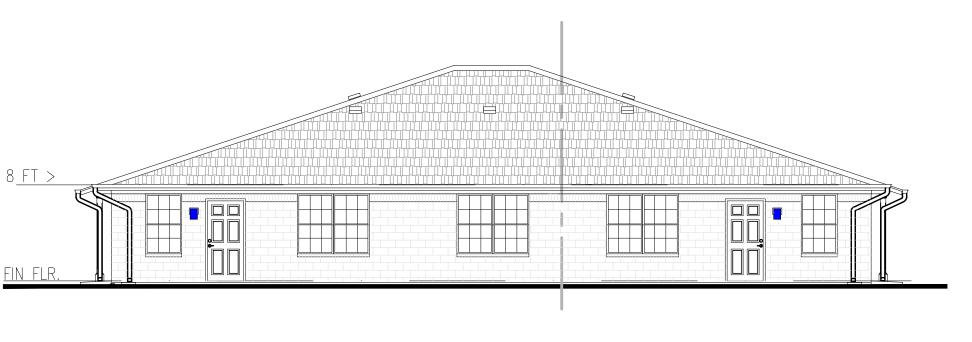


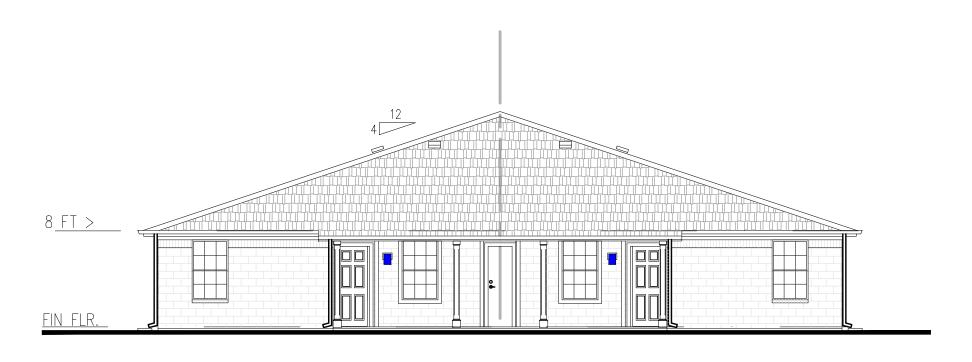






1"=8





A2.5-11 SIDE ELEVATION -TYPE IV BUILDING

BUILDING TYPE IV OPPOSITE SIDE MIRROR IMAGE

1"=8'

A2.5-12 FRONT ELEVATION -TYPE IV BUILDING

RED POINT DEVELOPMENT INC.
RICHARD SMITH ARCHITECT
2909 RACE STREET
FORT WORTH, TEXAS 76111
817-222-2300

CITY OF LAKE WORTH SENIOR ACTIVITIES CENTER 4400 HODGKINS ROAD LAKE WORTH, TEXAS 76135

NOT FOR
REGULATORY
REVIEW,
PERMITTING, OR
CONSTRUCTION

08-06-08

No. Date It

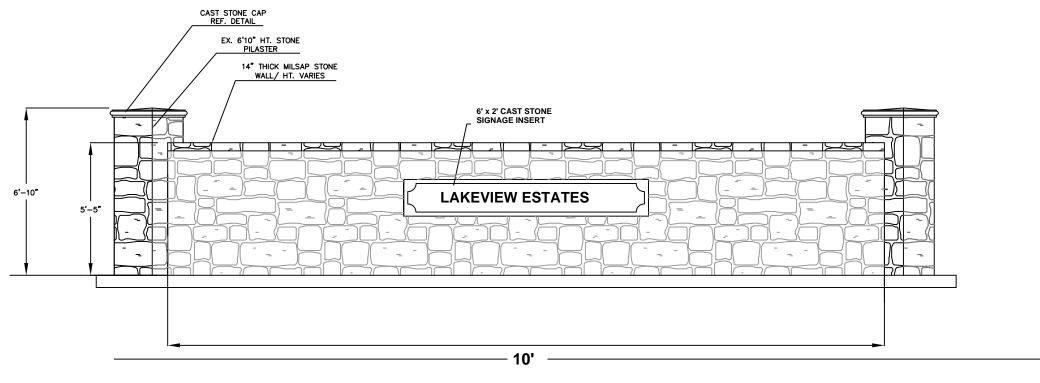
1"=8'

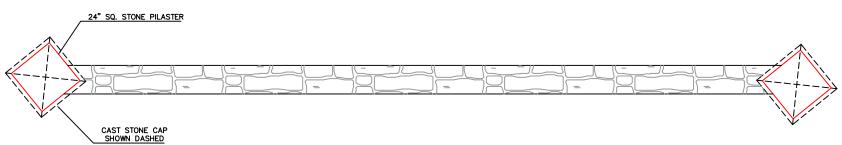
BUILDING ELEVATIONS

SHEET NUMBER

RPD CODE 08006

Date Sheet Created:

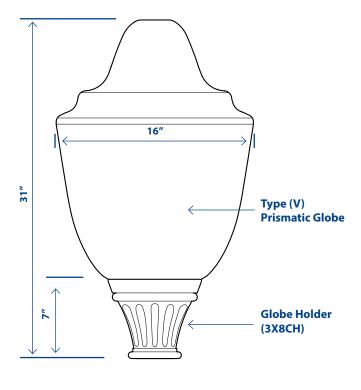






TRADITIONAL STYLE

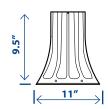






Base Footprint

Circular base pattern requiring four (4) 3/4" anchor bolts



1. Access Door Height 9.5" Width 11"

Specifications

Height: 25.5" Width: 17"

4" OD Pole Capacity

4" ODx.125" Wall Extruded Aluminum

Globe

Prismatic

Distribution

Type (V)
*Type (III) available as AMG

Fasteners

Stainless Steel

Finish

Polyester Powder-Coat **Electrostatically Applied &** Thermocured

EISA

Lamp Selector

LED

☐ LED

Incandescent

☐ Incandescent

High Pressure Sodium

- ☐ 35 Watt HPS
- ☐ 50 Watt HPS
- ☐ 70 Watt HPS
- ☐ 100 Watt HPS
- ☐ 150 Watt HPS
- ☐ 250 Watt HPS

Metal Halide

- ☐ 70 Watt MH
- ☐ 100 Watt MH
- ☐ 150 Watt MH
- ☐ 175 Watt MH
- ☐ 250 Watt MH

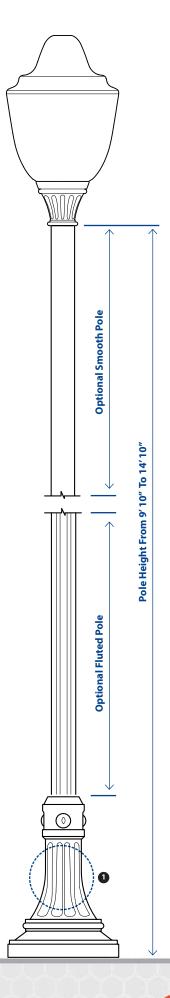
Additional Options

Pole Height

- □ CL60F 9'10"
- □CL61F - 10′ 10″
- 11'10" ☐ CL62F
- CL63F - 12′10″
- CL64F - 13′ 10″
- ☐ CL65F 14′10″

Pole Style

- □ Smooth
- □Fluted



Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. D.1

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Public Hearing to consider Planning & Zoning Case No. PZ-2019-20, a proposed

preliminary plat being all of a 10.58-acre tract of land known as Abstract 188, Tract 2CC, John Breeding Survey, of the records of Tarrant County, Texas. The proposed preliminary plat's new legal description will be Block 2, Lot 1, Lakeview Heights Subdivision, which will generally be described as 6835 Sunview Drive, Lake Worth, Texas upon platting. (ITEM WAS TABLED AT THE OCTOBER 7, 2019 CITY COUNCIL MEETING; PLANNING AND ZONING COMMISSION

RECOMMENDED APPROVAL BY A VOTE OF 7-0)

SUMMARY:

Property Description:

10.58-acre tract of land, currently known as 4426 Hodgkins

Property Owner(s):

MEI Investments, LP, 1911 E. Division Street, Arlington, Texas 76011

Applicant:

Correll Development Group, 2724 Twinflower Drive, Keller, Texas 76244

Engineer/Architect/Surveyor:

Surveyor: Maki and Associates, Inc. PO Box 14293, Arlington, Texas 76094-1293

Civil Engineer: Carrillo Engineering, 201 Commerce Street, Suite #1450, Fort Worth, Texas

76102

Current Zoning:

Planned Multi-Family

Current Use(s):

Vacant Land

Approved Use: Age Restricted 55+ Senior Community

Existing Road(s):

Hodgkins Road/Lakeview Drive

Surrounding Zoning:

North: The property to the north is currently zoned "SF1" Single Family Residential.

South: The property to the south is currently zoned "SF1" Single Family Residential.

East: The property to the east is currently zoned "SF1" Single Family Residential.

West: The property to the west is currently zoned "SF1" Single Family Residential.

Summary:

The public hearing for this item is already open as it is continued from the August 20, 2019 and September 17, 2019 Planning & Zoning Commission meetings. Correll Development Group made application on behalf of the property owner for approval of a preliminary plat for the 10-acre tract of land located off Hodgkins Road.

Staff met with the developer, engineer, and contractor on September 16, 2019 to go over outstanding comments and answer any questions the applicant had. The applicant was working on time constraints and was not able to get all of staff's comments addressed prior to the September 17, 2019 Planning & Zoning Commission meeting, therefore it was tabled to the October 15th meeting. Staff has reviewed the preliminary plat document and find it to comply with state and local requirements and it is ready to be heard for approval.

Staff resent notice of the new public hearing dates and times to those within two hundred foot (200') of the subject property on September 24, 2019.

Public Input:

There were initially four (4) public comment forms (see attached) that were returned against the request. No new public comments forms had been received as of the packet preparation date.

The Planning & Zoning Commission voted 7-0 recommending approval.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Subdivision Application/30 Day Waiver of Action Form/Owner Authorization Form

Preliminary Plat Document

Public Hearing Notice

Public Hearing Notifications (within 200' of subject property)

Vicinity Map

Returned Public Comment Form(s)

RECOMMENDED MOTION OR ACTION:

Staff recommends approval of Agenda Item D.1 as presented.



BUILDING DEVELOPMENT SERVICES

PLANNING & ZONING DIVISION 3805 ADAM GRUBB, LAKE WORTH, TEXAS 76135 817-255-7922 OR <u>SMEASON@LAKEWORTHTX.ORG</u> FOR OFFICE USE ONLY
Case No: PZ-2019-20
Date Submitted: 5-24-19

APPLICATION FOR SUBDIVISION PLAT APPROVAL

(CHECK ALL THAT APPLY)			
X_PRELIMINARY PLAT	FINAL PLAT	REPLAT	AMENDING/CORRECTION PLAT
PROPOSED SUBDIVISION	NAME Lakeview Estates		
	I FICATION PD- MF Age rest		
CURRENT LEGAL DESCRI	PTION John Breeding Surve	ey, A-188	
TOTAL ACRES 10.58	# OF LOTS_1	PROPOSED US	SE Multi-Family
APPLICANT/DEVELOPER I NAME Corell Develop			
ADDRESS 2724 TV	winflower Drive		Keller
STATE <u>Texas</u>	ZIP_76244	EMAIL correer	n1989@gmail.com
PHONE 817-422-2	290	FAX	
PROPERTY OWNER INFORMAME MEI Investment			
ADDRESS 1911 E.	Division Street		CITYArlington
STATE_TX	ZIP	EMAIL	
PHONE	- ·	FAX	
SURVEYOR/ARCHITECT/E NAME Carrillo Engineer			
ADDRESS 201 Co	mmerce, Suite 1450		CITY Fort Worth
STATE_Texas	ZIP	EMAIL	
PHONE_817-896-0	976	FAX	<u> </u>
application is true and correct. have been paid and the plans	I further understand that the public	hearing for this project to by City staff. IF APPLIC.	t the information provided on this development will not be scheduled until the application fee(s) ATION IS SIGNED BY SOMEONE OTHER THAN NED IN WITH APPLICATION.
Come C Robertso	gram.		5-24-19
SIGNATURE OF OWNER	AGENT OR APPLICANT		DATE

GENERAL INFORMATION

A plat is intended to serve as the official recorded map of the property to be developed, showing thereon the boundaries, lots, public streets and easements and other significant public facilities and features which are necessary to serve the development. All plats shall conform to the Lake Worth Subdivision and Development Ordinance and Design Criteria and Construction Standards.

Owner signature: The plat application is required to be signed by the **current property owner**. If the property owner is not available to sign the application, then an owner authorization form (City provided) from the property owner is required to be submitted which empowers a designee to sign for the property owner.

Waiver from Section 212.009: The Texas Local Government Code requires that the municipal authority responsible for approving plats must take action on a plat within thirty (30) days of the plat application being accepted. A plat is considered approved by the municipal authority unless it is disapproved within that period. Because thirty (30) days is generally not enough time for a plat to be processed by City Staff and forwarded to the Planning and Zoning Commission and City Council for approval, a waiver of action form must be signed. If the waiver of action form is not signed and submitted, then it is likely that the plat will be forwarded to the Planning and Zoning Commission with a staff recommendation of denial within thirty (30) days of the application being accepted. The waiver must be signed by the property owner's designee as noted on the owner authorization form.

Acceptance of plat application: All plat applications will be reviewed for completeness in accordance with this checklist before they are accepted by City Staff. Failure of applicant to provide the required information constitutes grounds for refusal of plat acceptance for processing; or staff recommendation of denial when application is scheduled for consideration.

SUBMITTAL CHECKLIST

The following items must be turned in for the subdivision plat application to be accepted and processed by this department:

х	SUBDIV	ISION PLA	T APPLICATION

- OWNER AUTHORIZATION FORM (IF APPLICABLE)
- SIGNED WAIVER OF 30 DAY ACTION FORM
- APPLICATION FEE (VERIFY WITH P&Z ADMINISTRATOR)
- FOUR (4) HARD COPIES OF SUBDIVISION PLAT DOCUMENT (SIZE 24 x 36 FOLDED INTO 81/2 x 11)
- * ELECTRONIC VERSION (.pdf) OF THE SUBDIVISION PLAT DOCUMENT EMAILED TO SMEASON@LAKEWORTHTX.ORG
- FOUR (4) HARD COPIES OF CIVIL CONSTRUCTION PLANS (IF APPLICABLE)

	OFFICE USE ONLY
Fee: 400.00	Public Hearing Newspaper Notice Deadline Date: 8.9.19
Date Paid: 5-24 19	Public Hearing 200' Notification Deadline Date: 8 3 19
Receipt #: P19-0574	Public Hearing 200' Notification Deadline Date: 8 3 19 P&Z Commission Meeting Date: 8 20 19
Ownership Verified:	City Council Meeting Date: Q · \ O · \ q
「▼ YES □ NO	•
Taxes/Paid:	Plat Approval Date:
PT YES □ NO	Plat File Date:
Liens Paid:	Instrument #:
YES NO	



BUILDING DEVELOPMENT SERVICES PLANNING & ZONING DIVISION 3805 ADAM GRUBB, LAKE WORTH, TEXAS 76135 817-255-7922 OR SMEASON@LAKEWORTHTX.ORG

FOR OFFICE USE ONLY
Case No: PZ-2019-20
Date Submitted: 5-24-19
Accepted By: AM Lazar

WAIVER OF 30 DAY ACTION REQUIREMENT FOR PLATTING

· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u></u>
(CHECK ONE)			
× PRELIMINARY PLAT	FINAL PLAT	REPLAT	AMENDING/CORRECTION PLAT
PROPOSED SUBDIVISION	NAME Lakeview Estates		
CURRENT LEGAL DESCRI	PTION John Breeding Survey, A	-188	
			PE Multi-Family
TOTAL ACRES 10.56	# OF LOTS <u>1</u>	PROPOSED U	SE Maia 1 Early
PROPERTY OFFICE MESS	MATION	<u> </u>	
PROPERTY OWNER INFOR	OWATION		
NAME Corell Develor	oment Group		
ADDRESS 2724 Twi	nflower Drive		CITY_Keller
STATÉ <u>Texas</u>	ZIP 76244	EMAIL_correen	989@gmail.com
PHONE 817-422-229	90	FAX	
described above which i	is being submitted for the	platting process a	ive of the owner of the property nd I hereby waive my right to have by section 212.009 of Texas Local
IF APPLICATION IS SIGNED COMPLETED AND TURNED IN V		HE OWNER, THEN AN	OWNER AUTHORIZATION FORM MUST BE
Concer C Porterton			5-24-19
SIGNATURE OF OWNER, A	AGENT, OR APPLICANT		DATE



AUTHORIZATION FORM

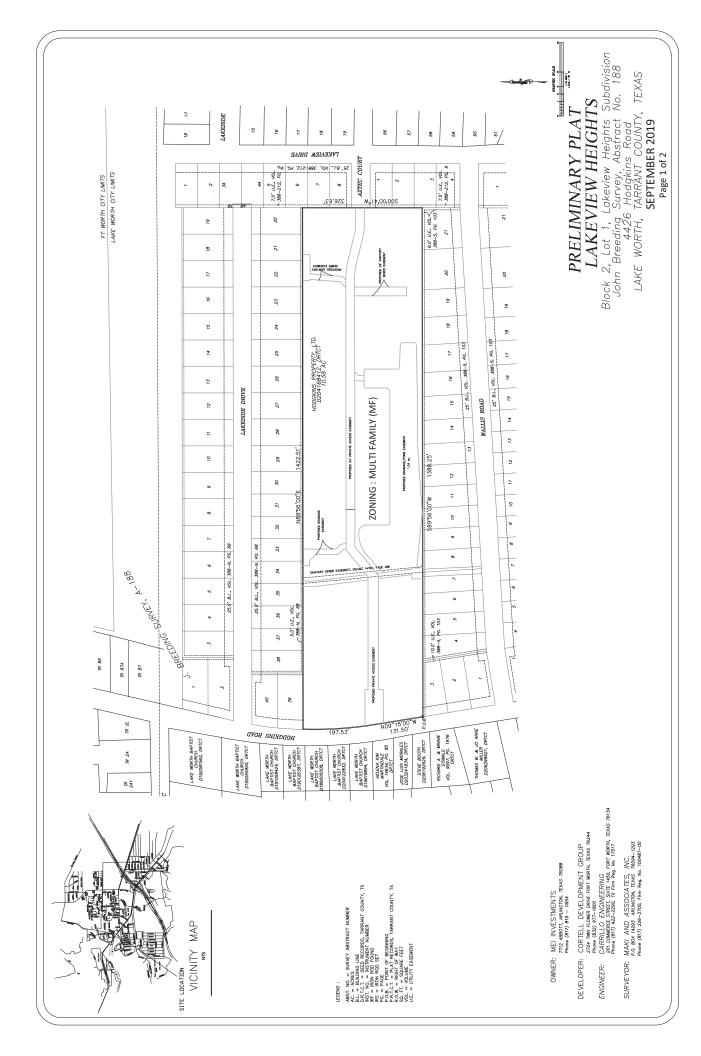
THE FOLLOWING IS TO BE COMPLETED ONLY IF A PERSON OTHER THAN THE OWNER IS MAKING THIS APPLICATION.

Dated:	5/23/19		Re:	44.000		
l, S	am Hussein		, owner	of the Prope	rtv located	at
	4426 Hodgkins Road een C. Robertson	do hereby	certify that I h , to make this (che	iave given my	•	
☐ Zonin☐ Land☐ Comp		Amendment				
Applicat	(applic			,		
Print Na			ature of Owner			
					1	
Address		Phon	e No.	HHHHJHHH	Date	
Before me State, on to be the p	Texas § of		ein certificate, and acknow		own to me	
(9	KRYSTAL ANN DELIRA	(8S)				

Notary

Comm. Expires 06-16-2021

Notary ID 131175681



OWNER'S CERTIFICATE

BEING all that certain tract or parcel of land situated in the JOBN BREEDING SURVEY, A-188, Tarrant County, Texas and being a particularly described by metes and boding as concept of Land Process, farrant County, Texas, and being more particularly described by metes and boding as follows: Seginning at a steel rod in the East line of said Rodgkins tract, being by deed call 353.8 feet South of the Northeast Beeoft,

CONTROL STREETING AND ASSESSMENT OF THE CONTROL OF

Propose sorth Of 68p. On min. 55 see West with the North boundary of the C.C. Mellis Subdivision, an Addition to the City of lake North Villege As recorded in Volume 186-5, Bage 183, Beed Noroth, Tarint County, Teass, 1382.5 feet to a found steel rod in The East ight-overylise of Nooythia Nord. Thence North 89 deg. 56 min. 14 sec West with the East right-of-way line of said Roopkins Road 131.50 feet to a set steel rod, set the beginning of a curve to the beright having a radius of 1897.70 feet and a Chord which bears North 03 deg. 47 min. 34 sec.

OWNER'S DEDICATION

FOR TRUES.

SOUND OF TR

day of GIVEN UNDER MY HAND AND SEAL OF OFFICE this the

Notary Public in and for the State of Texas My Commission expires:

MONE TRESPORE, MOVEM ALL MEXT PRESS PRESSIVES.
THE MOVEMENT CONTRACT CONTRACT CONTRACT STATEMENT AND ACCURATE SURVEY of the land and that the conner monuments shown thereon were properly placed, under my personal supervision." SURVEYOR'S STATEMENT

Richard C. Maki Texas Registered Professional Land Surveyor NO. 4587

Theod Structurest:

The profile of this property is located in Zone 'V, or 'VE' (Special Flood Hazard Apen Plancia) are shown on the TEM, Incod Insurance Apen Plancia in shown on the TEM, Incod Insurance Organization and the property of flood of insurance of the Plancia Insurance of the Plancia Insurance of the Plancia Insurance of the Insurance Organization Insurance of the Insurance Organization Insurance of the Insurance Organization Insurance or Insurance or Insurance or Insurance Insura



PERMIT MINISTRACE.

OF PRINT STREET, DIVES, DETROCKO, DESCRIPTION WANTEDWAYS
OF PRINT STREET, DIVES, DETROCKO, DESCRIPTION, PERMIT OF ACCESS LOCALISMS. SECREDIAN, SE

LAKEVIEW HEIGHTS PRELIMINARY PLAT

Block 2, Lot 1, Lakeview Heights Subdivision John Breeding Survey, Abstract No. 188 4426 Hodgkins Road LAKE WORTH, TARRANT COUNTY, TEXAS

SEPTEMBER 2019

Page 2 of 2

UPDATED

CITY OF LAKE WORTH
NOTICE OF PUBLIC HEARING
PLANNING AND ZONING COMMISSION
AND CITY COUNCIL

PRELIMINARY PLAT REQUEST PLANNING & ZONING CASE #PZ-2019-20

You may own property within two hundred feet (200') of the property described in the notice below. The owner of the property has made application for a Preliminary Plat. You are invited to attend and participate in the following public hearings regarding this application:

The Planning and Zoning Commission of the City of Lake Worth, Texas, will conduct the first of two public hearings at 6:30 p.m. on Tuesday, September 17, 2019, at the Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider recommendations to the City Council regarding a proposed preliminary plat being all of a 10.58-acre tract of land known as Abstract 188, Tract 2CC, John Breeding Survey, of the records of Tarrant County, Texas. The proposed preliminary plat's new legal description will be Block 2, Lot 1, Lakeview Estates Subdivision, which is generally described as 4426 Hodgkins Road, Lake Worth, Texas. The City Council will conduct a second Public Hearing at 6:30 p.m. on Monday, October 7, 2019, at Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider. All interested parties are encouraged to attend.

Please note the City Council public hearing was moved to Monday, October 7, 2019, same time and location. However, the public hearing will be recommended to be moved to the November 12, 2019 City Council Meeting at this meeting as the Planning & Zoning Commission moved to table the item until the October 15, 2019 meeting and Planning and Zoning must act on it prior to City Council.

MEI Investments LLC	Jose Hernandez	Douglas Alan Tr Frank
108 N Collins Street	6737 Wallis Road	152 Rainbow Dr #5236
Arlington, Texas 76011-7316	Lake Worth, Texas 76135-2215	Livingston, Texas 77399-1052
C E & Susie G Underwood, Jr.	Emily Anne Trice & Isaac Miguel Cadena	David M & Nancy L Love
4309 Lakeview Drive	6801 Wallis Road	4320 Lakeview Drive
Lake Worth, Texas 76135-2236	Lake Worth, Texas 76135	Lake Worth, Texas 76135-2234
Rick & Carol Chronister	Kathy Walker	Lee A C & Mi Suk Malins
2021 Walter Smith road	7375 Hickey Road	4324 Lakeview Drive
Azle, Texas 76020-4327	Azle, Texas 76020-5611	Lake Worth, Texas 76135-2234
Isaac Lee & Christy Colleen Lawrence	Sally Ann Love	Donna E & Jeffrey D Summers
6709 Wallis Road	6720 Wallis Road	4400 Lakeview Drive
Lake Worth, Texas 76135	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135-2233
Shekhinah Ent Inc	Kenneth Allen Westerman	Debra K & Randy Lee Haggard
6713 Wallis Road	6716 Wallis Road	6809 Wallis Road
Lake Worth, Texas 76135	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135
Sergio E & Maria Lopez	Lowell J & Lula Masterson	Pefector & E S Sanchez, Jr.
6717 Wallis Road	6712 Wallis Road	6813 Wallis Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135-2217
James F & Elke E Barnard	Lighthouse Homes LLC	Leonel Garcia
6721 Wallis Road	1909 Central Drive Ste 110	4913 Woodmeadow Drive
Lake Worth, Texas 76135-2215	Bedford, Texas 76021-5846	Fort Worth, Texas 76135-1824
Rebecca P Draus	Joe L & Blanca M Bejaran	Stacia Louise Scott
6725 Wallis Road	6704 Wallis Road	6821 Wallis Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135-2217
Cynthia Donahue	Roberto & Maria Rubio	Wanda J Watts
6729 Wallis Road	4308 Lakeview Drive	6825 Wallis Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2234	Lake Worth, Texas 76135-2217
Mauro Cisneros	Preston James Ponder	Dominique A Martin
6733 Wallis Road	4312 Lakeview Drive	4400 Hodgkins Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2234	Lake Worth, Texas 76135-2137

Tjuana D Minter Rudolph & Glenda Thompson William C & Pamela Abshire 4404 Hodgkins Road 4408 Hodgkins Road PO Box 676 Lake Worth. Texas 76135-2137 Lake Worth, Texas 76135-2137 Azle. Texas 76098-0676 Yon Kim Yocum Todd E Hart Etal L B Leanord 6828 Wallis Road 6824 Wallis Road 609 Kentwood Circle Bedford, Texas 76021 Lake Worth, Texas 76135-2218 Lake Worth, Texas 76135-2218 Gene P Tate Joel Cordero Manuel Flores 4105 Highland Lake Drive 6812 Wallis Road 6808 Wallis Road Lake Worth, Texas 76135 Lake Worth, Texas 76135-2218 Lake Worth, Texas 76135-2218 Michelle & Andrew G Green Jane H Barber Joe A Pittman III 6804 Wallis Road 6800 Wallis Road 326 W Harwood Rd Apt C Hurst. Texas 76054 Lake Worth, Texas 76135-2218 Lake Worth. Texas 76135-2218 Susana Amador Kerry Lee Humphries Evelio & Resendiz Trejo 6000 Timberwolfe Lane 3229 Delaware Trail 6724 Wallis Road Fort Worth, Texas 76135-5214 Lake Worth, Texas 76135-3942 Lake Worth, Texas 76135-2216 Tina E Bailey Juan & Maricela Roa Tania Cole 4404 Lakeview Drive 4408 Lakeview Drive 4412 Lakeview Drive Lake Worth. Texas 76135-2233 Lake Worth, Texas 76135 Lake Worth, Texas 76135-2233 Theresa Goolsby Julian L & Maria R Uribe Jose Montoya Perez 4416 Lakeview Drive 4313 Lakeview Drive 4317 Lakeview Drive Lake Worth, Texas 76135-2233 Lake Worth, Texas 76135-2229 Lake Worth, Texas 76135-2229 Leonard F & Keri M Knight Cristine & Minnie M Bowen Earl A Bernard, Jr. 4321 Lakeview Drive 4325 Lakeview Drive 4401 Lakeview Drive Lake Worth, Texas 76135-2229 Lake Worth, Texas 76135-2229 Lake Worth, Texas 76135-2230 Hilario F Flores, Sr. Edward R Wanser Carmina Jimenez 4405 Lakeview Drive 4409 Lakeview Drive 4413 Lakeview Drive Lake Worth, Texas 76135-2230 Lake Worth, Texas 76135-2230 Lake Worth, Texas 76135-2230

Jose Noe Macias

4313 Plantation Drive

Benbrook, Texas 76116

Lavern Martine Est

4421 Lakeview Drive

Lake Worth, Texas 76135-2230

Timothy Kirk Chitty 6700 Lakeside Drive Lake Worth, Texas 76135-2212 KCS Properties Inc 1806 Layton Avenue Haltom City, Texas 76117

Krista Les Hilliard 6716 Lakeside Drive Lake Worth, Texas 76135-2212

Romola Lopez 3220 Browing Ct W Fort Worth, Texas 76116

Charla D Chambliss 6800 Lakeside Drive Lake Worth, Texas 76135

Betsy Tipton 6812 Lakeside Drive Lake Worth, Texas 76135

Antonio & Rebecca Frias 6824 Lakeside Drive Lake Worth, Texas 76135-2214

Lake Worth Baptist Church 4447 Hodgkins Road Lake Worth, Texas 76135-2136

Thomas W & Jo Anne Miller 4401 Hodgkins Road Lake Worth, Texas 76135-2136

Ed G & Patricia Haning 6817 Lakeside Drive Lake Worth, Texas 76135-2213 Alma R Pedraza 6512 Lakeside Cove Lake Worth, Texas 76135-1600

Michelle Swiney 6720 Lakeside Drive Lake Worth, Texas 76135-2212

Hector & Raquel Bazaldua 6732 Lakeside Drive Lake Worth, Texas 76135-2212

Steve Alan & Marla Nehrt 6804 Lakeside Drive Lake Worth, Texas 76135-2214

Homer A & Mary Jo Gibson PO Box 136096 Fort Worth, Texas 76136-0096

Rafael & Marceli Dominguez 4500 Hodgkins Road Lake Worth, Texas 76135-1613

Jose Luis Morales 4417 Hodgkins Road Lake Worth, Texas 76135-2136

Patrick Joseph Cummings 4324 Williams Spring Road Lake Worth, Texas 76135-2125 Rosa Reyes 6712 Lakeside Drive Lake Worth, Texas 76135-2212

Gloria G Traversie 6724 Lakeside Drive Lake Worth, Texa s76135-2212

Richard Arizola 6736 Lakeside Drive Lake Worth, Texas 76135-2212

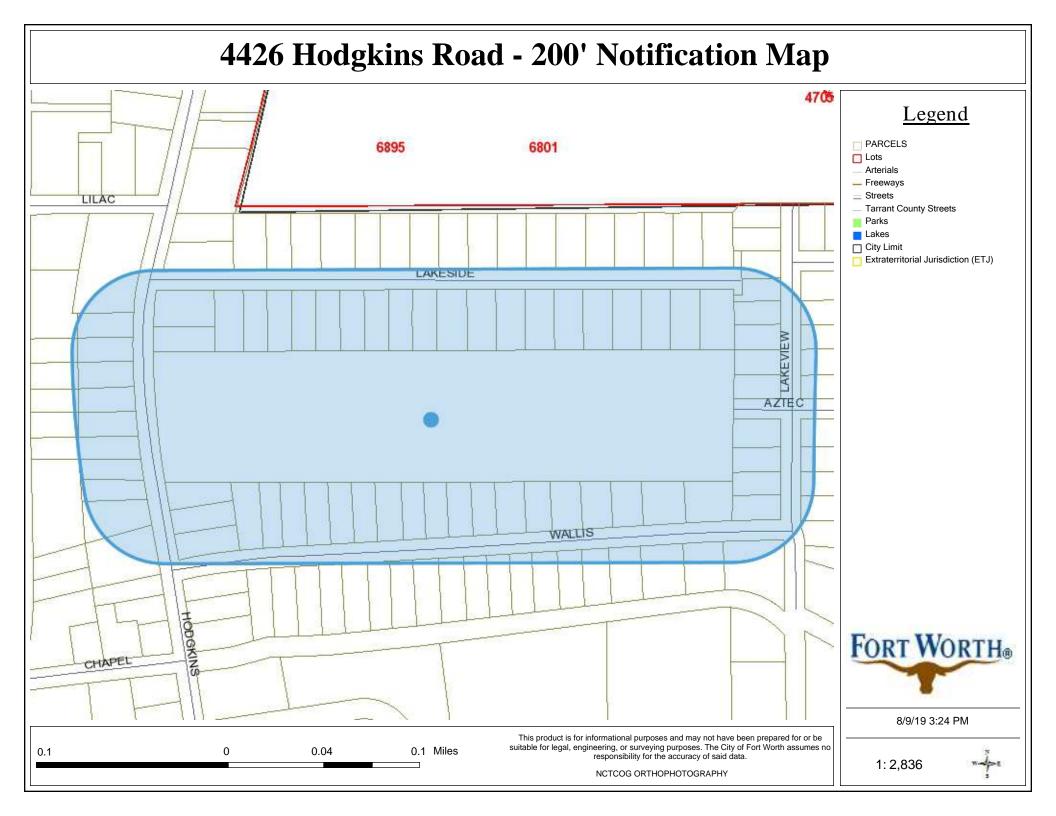
Betsy Tipton 6812 Lakeside Drive Lake Worth, Texas 76135

Arnoldo Murillo & Selena Barrera 6820 Lakeside Drive Lake Worth, Texas 76135

Lake Worth Baptist Church 4445 Hodgkins Road Lake Worth, Texas 76135-2136

Richard A & Minnie Eiswald 4409 Hodgkins Road Lake Worth, Texas 76135-2136

Florentino & Rosa Montalvo 12160 Saint Andrews Pl Miramar, FL 33025





Building Development Services Planning & Zoning Department 3805 Adam Grubb Lake Worth, Texas 76135 817-255-7922 or smeason@lakeworthtx.org



Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
I am FOR the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
I am AGAINST the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
Property Owner Name: CHARLA D. CHARARUSS (Please print)
Mailing Address: 6800 LAKESICK PR
Phone: 817-237-5144 Email:
Signature: Miles Chambein Date: 8-14-19
Property Address(s) (within 200' of subject property): 6800 LAKES ICE DR
COMMENTS:
genst it!
PLEASE TURN IN PUBLIC COMMENT FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN THURSDAY, AUGUST 15, 2019 @ NOON TO BE INCLUDED IN THE AGENDA PACKETS.
For Office Use Only
Property Address: 6800 LakeSide Drive
Legal Description: Lot 9, Lakeview Heights Hadition
Received By: Date: 8.14.19



Building Development Services Planning & Zoning Department 3805 Adam Grubb Lake Worth, Texas 76135 817-255-7922 or smeason@lakeworthtx.org



item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
I am FOR the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
I am AGAINST the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
Property Owner Name: Hilario Flores Sr (Please print)
Mailing Address: 4405 Lakeview Dr
Phone: 817 721 1295 Email:
Signature: Hairo 7 hor to. Date: Aug 14 2019
Property Address(s) (within 200' of subject property): 4405 Lakeview Dr
COMMENTS:
PLEASE TURN IN PUBLIC COMMENT FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN THURSDAY, AUGUST 15, 2019 @ NOON TO BE INCLUDED IN THE AGENDA PACKETS.
For Office Use Only
Property Address: 4405 Lakeview
Legal Description: BIK 13, Lot 7, Crestridge Addition
Received By: & Date: 8.14.19



Building Development Services
Planning & Zoning Department
3805 Adam Grubb
Lake Worth, Texas 76135
817-255-7922 or smeason@lakeworthtx.org

RECEIVED AUG 15 2019

Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
I am FOR the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
I am AGAINST the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
Property Owner Name: 4409 Hodgkins Rd. Minnie Eiswald (Please print) Mailing Address: 4409 Hodgkins Rd
Phone: Email:
Signature: Richard A. Eiswald Date: 8-15-19 Property Address(s) (within 200' of subject property): 4409 Hodghins Rd.
comments: It will bring down our property value! The traffic on Hodgkins Road is already bad and this will make it worse!
PLEASE TURN IN PUBLIC COMMENT FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN THURSDAY, AUGUST 15, 2019 @ NOON TO BE INCLUDED IN THE AGENDA PACKETS.
For Office Use Only
Property Address: 4409 Hodgkins Kd
Legal Description: Abs 188, Tract 2R, John Breeding Survey
Received By: Meason Date: 8.15.19



Building Development Services Planning & Zoning Department 3805 Adam Grubb Lake Worth, Texas 76135 817-255-7922 or smeason@lakeworthtx.org



Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
I am FOR the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
I am AGAINST the proposed preliminary plat as explained on the attached public notice for Case #PZ-2019-20 (4426 Hodgkins Road Preliminary Plat).
Property Owner Name: TERESA BERNARd (Please print)
Mailing Address: 4401 LAKE VIEW BR. LAKEWOCH TX. 76/35
Phone: 817-340-4743 Email: TERESA BERNARD 07@ YAhoo. Lom
Signature: Della Della Della Date: 58-15-2019
Property Address(s) (within 200' of subject property): 4401 LAKEVIEW DR.
COMMENTS: TO MUCH TRAFFIC IN AREA MARROW ROADS, NOISE, LOUIDN'S DACK OUT OF OUR DRIVEWAY, Etc.
PLEASE TURN IN PUBLIC COMMENT FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN THURSDAY, AUGUST 15, 2019 @ NOON TO BE INCLUDED IN THE AGENDA PACKETS.
For Office Use Only
Property Address: 4401 Lakeview Drive
Legal Description: BIK 13, Lot 8, Crestridge Addition
Received By: Stream Date: 8.15.19
Listed Property Owner: Earl A Bernard. Jr

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. D.2

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Public Hearing to consider Ordinance No. 1173, Planning & Zoning Case No. PZ-

2019-21, regarding an Ordinance amending Ordinance No. 500, the Comprehensive Zoning Ordinance of the City of Lake Worth, so as to consider a site plan for the Age Restricted Senior Living Community an approximately 10.58-acre tract of land, currently legally known as Abstract 188, Tract 2CC, John Breeding Survey, Tarrant County, Texas, being that all of the certain called 10.58-acre parcel of land, which when platted will be Block 2, Lot 1, Lakeview Heights Subdivision recorded in the deed records of Tarrant County, Texas, by amending the Official Zoning Map to reflect such change. The property to be considered is generally described as a 10.58-acre parcel of land which will be commonly known as 6835 Sunview Drive, Lake Worth, Texas. (ITEM WAS TABLED AT THE OCTOBER 7, 2019 CITY COUNCIL MEETING; PLANNING AND ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE OF 7-0)

SUMMARY:

Property Description:

10.58-acre tract of land, currently known as 4426 Hodgkins

Property Owner(s):

MEI Investments, LP, 1911 E. Division Street, Arlington, Texas 76011

Applicant:

Correll Development Group, 2724 Twinflower Drive, Keller, Texas 76244

Engineer/Architect/Surveyor:

Surveyor: Maki and Associates, Inc. PO Box 14293, Arlington, Texas 76094-1293

Civil Engineer: Carrillo Engineering, 201 Commerce Street, Suite #1450, Fort Worth, Texas

76102

Current Zoning:

Planned Multi-Family

Current Use(s):

Vacant Land

Approved Use:

Age Restricted 55+ Senior Community

Existing Road(s):

Hodgkins Road/Lakeview Drive

Surrounding Zoning:

North: The property to the north is currently zoned "SF1" Single Family Residential.

South: The property to the south is currently zoned "SF1" Single Family Residential.

East: The property to the east is currently zoned "SF1" Single Family Residential.

West: The property to the west is currently zoned "SF1" Single Family Residential.

Summary:

The public hearing for this item is already open as it is continued from the August 20, 2019 and September 17, 2019 Planning & Zoning Commission meetings. Correll Development Group made application on behalf of the property owner for approval of a site plan and civil construction plans for the 10-acre tract of land located off Hodgkins Road.

Staff met with the developer, engineer, and contractor on September 16, 2019 to go over outstanding comments and answer any questions the applicant had. The applicant was working on time constraints and was not able to get all of staff's comments addressed prior to the September 17, 2019 Planning & Zoning Commission meeting, therefore it was tabled to the October 15th meeting. Staff has reviewed the site plan and civil construction documents and find them to substantially comply with the City of Lake Worth requirements.

Staff resent notice of the new public hearing dates and times to those within two hundred foot (200') of the subject property on September 24, 2019.

Public Input:

There was initially one (1) public comment form turned in, in favor of the request and two (2) public comment forms that are against the request. No new public comments forms had been received as of the packet preparation date.

The Planning & Zoning Commission voted 7-0 recommending approval.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Ordinance No. 1173
Site Plan Exhibit/Civil Construction Plans
Development Application
Public Hearing Notice

Public Hearing Notifications (within 200' of subject property)

Vicinity Map

Returned Public Comment Form(s)

RECOMMENDED MOTION OR ACTION:

Site plan recommendations are at the discretion of the City Council.

ORDINANCE NO. 1173

AN ORDINANCE AMENDING ORDINANCE NO. 866. SO AS TO **CONSIDER A SITE PLAN APPROVAL OF AN APPROXIMATELY 10.58-**ACRE PARCEL OF LAND, LEGALLY KNOWN AS BLOCK 2, LOT 1, LAKEVIEW HEIGHTS SUBDIVISION, BEING THAT ALL OF THE CERTAIN CALLED 10.58-ACRE PARCEL OF LAND RECORDED IN THE DEED RECORDS OF TARRANT COUNTY, TEXAS. THE PROPERTY TO BE CONSIDERED IS GENERALLY DESCRIBED AS A 10.58-ACRE PARCEL OF LAND LOCATED 6835 SUNVIEW DRIVE, LAKE WORTH. TARRANT COUNTY, TEXAS. BY AMENDING THE OFFICIAL ZONING MAP TO REFLECT SUCH CHANGE ALONG WITH A SITE PLAN APPROVAL "EXHIBIT A",; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A PENALTY CLAUSE: PROVIDING FOR SAVINGS: PROVIDING FOR SEVERABILITY; **PROVIDING FOR ENGROSSMENT** ENROLLMENT: PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND NAMING AN EFFECTIVE DATE.

WHEREAS, the City of Lake Worth is a Home Rule City acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, pursuant to Chapter 211 of the Local Government Code, the City has adopted a comprehensive zoning ordinance and map regulating the location and use of buildings, other structures and land for business, industrial, residential or other purposes, and providing for a method to amend said ordinance and map for promoting the public health, safety, morals and general welfare; and

WHEREAS, the owner of a 10.58-acre parcel of land located in Lake Worth, Texas, has initiated an application on the hereinafter described property for site plan approval; and

WHEREAS, a public hearing was duly held by the Planning and Zoning Commission of the City of Lake Worth on October 15, 2019, and by the City Council of the City of Lake Worth on November 12, 2019, with respect to the zoning described herein; and

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

WHEREAS, the City Council of the City of Lake Worth, Texas, does hereby deem it advisable and in the public interest to amend Ordinance No. 500, and to amend the Official Zoning Map of the City, as described herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS:

SECTION 1. INCORPORATION OF PREMISES

The above and foregoing premises are true and correct and are incorporated herein and made a part hereof for all purposes.

SECTION 2. ORDINANCE 500 AMENDED

Ordinance No. 500 is hereby amended by approving a site plan approval and by amending the Official Zoning Map to reflect such change for the property hereinafter described below:

Planning & Zoning Case No. PZ-2019-21

Owner: MEI Investments

108 N Collins Street Arlington, Texas 76011

Applicant: Correll Development Group

4532 Lodestone Lane Fort Worth, Texas 76123

Legal Description: Block 2, Lot 1, Lakeview Heights Subdivision

Lake Worth, Tarrant County, Texas

Property Address: 6835 Sunview Drive

Property Zoning: P-MF – Planned Multifamily

Permitted use: The use of an Age Restricted (55+) Senior

Living Gated Community, as more particularly shown on the Site Plan attached hereto as Exhibit "A" along with the waiver as approved from Ordinance No. 826, Design Criteria and Construction Standards, Section XIII - Drainage and Storm Sewer, B. Hydrology, 4. Runoff

Calculations.

SECTION 3.

COMPLIANCE WITH DEVELOPMENT PLAN, SITE PLAN AND ORDINANCES

The use and development of the property shall be subject to all terms and conditions set forth in the Site Plan attached hereto as Exhibit "A" in addition to all applicable regulations contained in the Comprehensive Zoning Ordinance and all other applicable and pertinent ordinances of the City of Lake Worth, Texas.

SECTION 4. OFFICIAL ZONING MAP AMENDED

The City Secretary is hereby directed to amend the Official Zoning Map to reflect the changes in classification approved herein.

SECTION 5. CUMULATIVE CLAUSE

This Ordinance shall be cumulative of all provisions of all other ordinances of the City of Lake Worth, Texas except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 6. PENALTY CLAUSE

Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be fined not more than Two Thousand Dollars (\$2,000.00) for each offense. Each day that a violation is permitted to exist shall constitute a separate offense.

SECTION 7. SEVERABILITY

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

SECTION 8. SAVINGS

All rights or remedies of the City of Lake Worth, Texas are expressly saved as to any and all violations of the provisions of any ordinance affecting zoning or land use, which have accrued at the time of the effective date of this Ordinance; and as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such Ordinances, same shall not be affected by this Ordinance but may be prosecuted until final disposition by the Courts.

SECTION 9. ENGROSSMENT AND ENROLLMENT

The City Secretary of the City of Lake Worth is hereby directed to engross and enroll this Ordinance by copying the caption, publication clause and effective date clause in the minutes of the City Council and by filing the Ordinance in the Ordinance Records of the City.

SECTION 10. PUBLICATION

The City Secretary of the City of Lake Worth is hereby directed to publish in the official newspaper of the City of Lake Worth, the caption, the penalty clause, publication clause, and effective date clause of this ordinance two (2) days as authorized by Section 52.013 of the Local Government Code.

SECTION 11. EFFECTIVE DATE

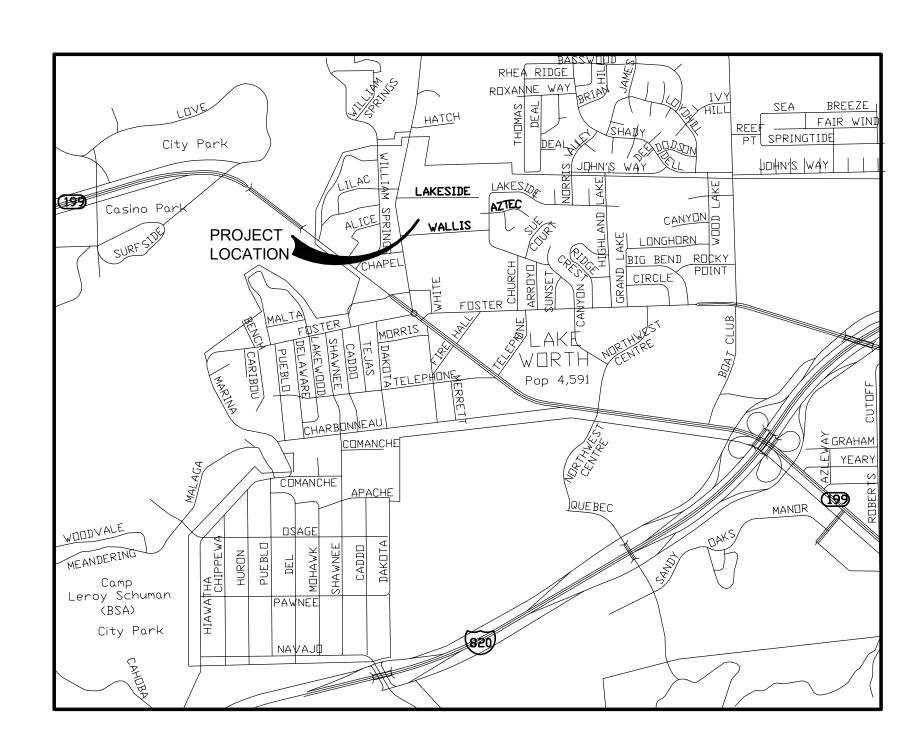
This Ordinance shall be in full force and effect from and after its passage and publication as required by law, and it is so ordained.

PASSED AND APPROVED on the 12th day of November, 2019.

	CITY OF LAKE WORTH
	By: Walter Bowen, Mayor
ATTEST:	
Monica Solko, City Secretary	
APPROVED AS TO FORM AND LEGALITY:	
Drew Larkin, City Attorney	

CONSTRUCTION PLANS

TO SERVE LAKEVIEW HEIGHTS RESTRICTIVE AGE LIVING CENTER 6835 SUNVIEW DRIVE LAKE WORTH, TEXAS 76135



SHEET INDEX

SHEET NO. DESCRIPTION **COVER SHEET** PRELIMINARY PLAT **GENERAL NOTES** PAVING / DIMENSIONAL CONTROL PLAN **GRADING PLAN GRADING PLAN GRADING PLAN GRADING PLAN** EXISTING DRAINAGE AREA MAP DRAINAGE AREA MAP **SWALE CROSS SECTIONS DETENTION POND** HYDRAULIC CALCULATIONS INLET CALCULATIONS SANITARY SEWER PROFILE - LINE SS 1 **EROSION CONTROL PLAN** EROSION CONTROL PLAN C7.01 **EROSION CONTROL DETAILS EROSION CONTROL DETAILS** CONSTRUCTION DETAILS SITE SPECIFIC DETAILS CITY SANITARY SEWER DETAILS CITY SANITARY SEWER DETAILS CITY WATER DETAILS CITY WATER DETAILS CITY STORM DRAIN DETAILS CITY STORM DRAIN DETAILS

PREPARED BY:



CARRILLO ENGINEERING, LLC
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTRATION NO. F-15893
301 COMMERCE STREET, SUITE 1410
FORT WORTH, TEXAS 76102
PHONE NO.: 817-697-4996
CONTACT: ANNA C. BLACKWELL, P.E.

PRELIMINARY

NOT FOR CONSTRUCTION

THIS DRAWING IS

SUBMITTED FOR REVIEW

PURPOSES ONLY. IT IS

NOT INTENDED FOR

PERMITTING OR BIDDING

ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350

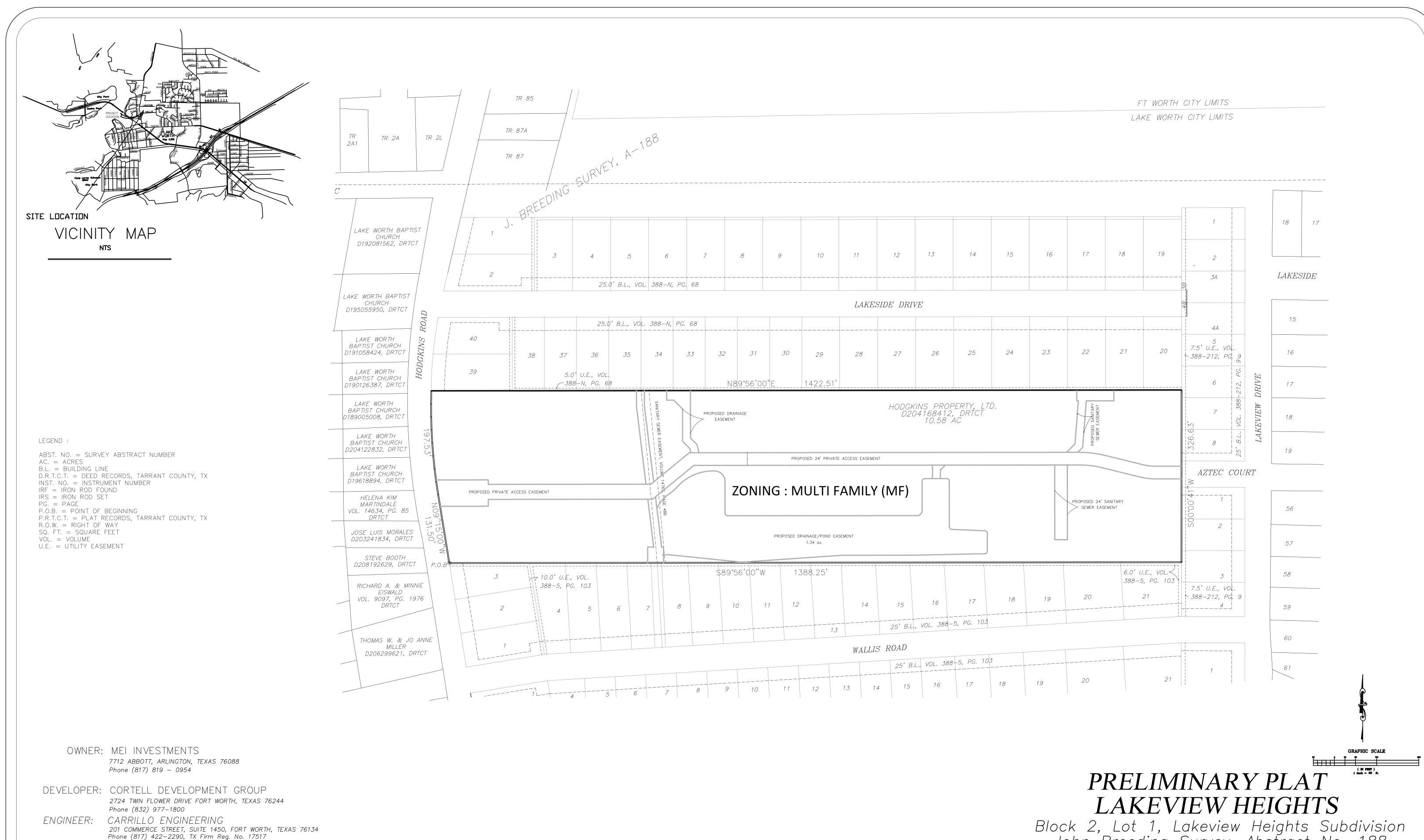
OWNED BY:

MEI INVESTMENTS

7712 ABBOTT

ARLINGTON, TEXAS 76088

PHONE: 817-819-0954



SURVEYOR: MAKI AND ASSOCIATES, INC.

P.O. BOX 14293 ARLINGTON, TEXAS 76094-1293
Phone (817) 226-2700, Firm Reg. No. 100487-00

Block 2, Lot 1, Lakeview Heights Subdivision John Breeding Survey, Abstract No. 188 4426 Hodgkins Road LAKE WORTH, TARRANT COUNTY, TEXAS

SEPTEMBER 2019
Page 1 of 2

OWNER'S CERTIFICATE

State of Texas \$ County of Tarrant \$

BEING all that certain tract or parcel of land situated in the JOHN BREEDING SURVEY, A-188, Tarrant County, Texas and being a portion of land conveyed to J. Hodgkins as recorded in Volume 245, Page 202, Deed Records, Tarrant County, Texas, and being more particularly described by metes and bounds as follows;

Beginning at a steel rod in the East line of said Hodgkins tract, being by deed call 353.8 feet South of the Northeast corner thereof,

Thence South 00 deg. 00 min. 55 sec West with the North boundary of the C.C. Wallis Subdivision, an Addition to the City of Lake Worth Village, as recorded in Volume 388-5, Page 103, Deed Records, Tarrant County, Texas, 1388.25 feet to a found steel rod in the East right-of-way line of Hodgkins Road;

Thence North 89 deg. 56 min. 14 sec West with the East right-of-way line of said Hodgkins Road 131.50 feet to a set steel rod, at the beginning of a curve to the right having a radius of 1037.70 feet and a Chord which bears North 03 deg. 47 min. 34 sec. West and a chord length of 197.23 feet;

Thence Northerly with said curve and East right-of-way line of said Hodgkins Road, through a central angle of 10 deg. 54 min. 23 sec. an arc distance of 197.53 to a found steel rod for corner and being the Southwest corner of Lakeview Heights, an Addition to the City of Fort Worth, as recorded in Volume 388-N, Page 68, Deed Records, Tarrant County, Texas;

Thence North 89 deg. 56 min. 14 sec. East with the South boundary of said Lakeview Heights, a distance of 1422.51 feet to the PLACE OF BEGINNING and containing 10.58 acres of 460888 square feet more or less.

OWNER'S DEDICATION

NOW; THEREFORE, KNOW ALL MEN BY THESE PRESENTS: THAT MEI Investments, do hereby adopt this plat, designating the herein described property as Block 2, Lot 1 LAKEVIEW HEIGHTS ESTATES, an addition to the City of Lake

Worth, Tarrant County, Texas, and	do hereby dedicate to the p	ublic use forever any easement	s show thereon.	•
OWNER: MEI INVESTMENTS				
MEI	DATE	_		
				known to me be the person whose name is under oath stated that the statements in the
GIVEN UNDER MY HAND AND SEAL (OF OFFICE this the	day of	2019.	
Notary Public in and for the State My Commission expires:	of Texas			
			145AT	

SURVEYOR'S STATEMENT

NOW; THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That I, RICHARD C. MAKI, do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the corner monuments shown thereon were properly placed, under my personal supervision.

Richard C. Maki Texas Registered Professional Land Surveyor NO. 4587

FLOODPLAIN RESTRICTION
NO CONSTRUCTION SHALL BE ALLOWED WITHIN THE FLOODPLAIN EASEMENT, WITHOUT THE WRITTEN APPROVAL OF THE DIRECTOR OF TRANSPORTATION AND PUBLIC WORKS. IN ORDER TO SECURE APPROVAL, DETAILED ENGINEERING PLANS AND/OR STUDIES FOR THE IMPROVEMENTS, SATISFACTORY TO THE DIRECTOR, SHALL BE PREPARED AND SUBMITTED BY THE PARTY(S) WISHING TO CONSTRUCT WITHIN THE FLOOD-PLAIN. WHERE CONSTRUCTION IS PERMITTED, ALL FINISHED FLOOR ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE FLOODPLAIN BASE FLOOD ELEVATION RESULTING FROM ULTIMATE DEVELOPMENT OF THE WATERSHED."

PRIVATE MAINTENANCE
THE CITY OF LAKE WORTH SHALL NOT BE RESPONSIBLE FOR MAINTENANCE OF PRIVATE STREETS, DRIVES, EMERGENCY ACCESS EASEMENTS, PUBLIC ACCESS EASEMENTS, PUBLIC PEDESTRIAN ACCESS EASEMENTS, RECREATION AREAS, OPEN SPACES AND DRAINAGE FACILITIES, AND SAID OWNERS AGREE TO INDEMNIFY AND SAVE HARMLESS THE CITY OF LAKE WORTH, TEXAS, FROM CLAIMS, DAMAGES AND LOSSES ARISING OUT OF OR FROM PERFORMANCE OF THE OBLIGATIONS OF SAID OWNERS SET FORTH IN THIS

POND MAINTENANCE
THE PROPOSED DETENTION POND WILL BE CONSTRUCTED PER PLANS AND REMAIN UNOBSTRUCTED AT ALL TIMES AND WILL BE MAINTAINED BY THE CURRENT/FUTURE PROPERTY OWNER OR IT'S ASSIGN. THE CITY OF LAKE WORTH WILL NOT BE RESPONSIBLE FOR THE MAINTENANCE, EROSION CONTROL. AND/OR OPERATION OF SAID POND. PROPERTY OWNERS SHALL KEEP THE POND CLEAN AND FREE OF DEBRIS, SILT OR OTHER SUBSTANCES WHICH WOULD RESULT IN UNSANITARY CONDITIONS, AND THE CITY SHALL HAVE THE RIGHT OF ENTRY FOR THE PURPOSE OF INSPECTING THE MAINTENANCE WORK BY THE PROPERTY OWNERS. THE POND MAY BE SUBJECT TO CATASTROPHIC STORM WATER OVERFLOW AND/OR BANK EROSION THAT CANNOT BE DEFINED. THE CITY OF LAKE WORTH SHALL NOT BE LIABLE FOR ANY DAMAGES RESULTING FROM THE

OCCURRENCE OF THOSE PHENOMENA, NOR THE FAILURE OF ANY STRUCTURE(S) WITHIN THE POND OR DRAINAGE-WAYS. THE POND IS CONTAINED WITHIN AN EASEMENT AS SHOWN ON THE PLAT.

BUILDING PERMITS

NO BUILDING PERMITS SHALL BE ISSUED FOR ANY LOT IN THIS SUBDIVISION UNTIL PROVISIONS ARE MADE FOR THE CONSTRUCTION OF ANY APPLICABLE WATER, SEWER, STORM DRAIN, STREET LIGHTS, SIDEWALKS, OR PAVING IMPROVEMENTS; AND APPROVAL IS FIRST OBTAINED FROM THE CITY OF LAKE WORTH.

CONSTRUCTION PROHIBITED OVER EASEMENTS

NO PERMANENT BUILDINGS OR STRUCTURES SHALL BE CONSTRUCTED OVER
ANY EXISTING OR PLATTED WATER, SANITARY SEWER, DRAINAGE, GAS, ELECTRIC, CABLE OR OTHER UTILITY EASEMENT OF ANY TYPE.

PRIVATE COMMON AREAS AND FACILITIES
THE CITY OF LAKE WORTH SHALL NOT BE HELD RESPONSIBLE FOR THE CONSTRUCTION, MAINTENANCE OR OPERATION OF ANY LOTS CONTAINING PRIVATE COMMON AREAS OR FACILITIES IDENTIFIED AS SUCH ON THIS PLAT. SAID AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO: PRIVATE STREETS, EMERGENCY ACCESS EASEMENTS, AND GATED SECURITY ENTRANCES; RECREATION AREAS, LANDSCAPED AREAS AND OPEN SPACES; WATER AND WASTEWATER DISTRIBUTION SYSTEMS AND TREATMENT FACILITIES; AND RECREATION/ CLUBHOUSE/EXERCISE/ BUILDINGS AND FACILITIES.

THE LAND OWNERS AND SUBSEQUENT OWNERS OF THE LOTS IN THIS SUBDIVISION, ACTING JOINTLY SHALL BE RESPONSIBLE FOR SUCH CONSTRUCTION, RECONSTRUCTION, MAINTENANCE AND OPERATION OF THE SUBDIVISION'S PRIVATE COMMON AREAS AND FACILITIES, AND SHALL AGREE TO INDEMNIFY AND HOLD HARMLESS THE CITY OF LAKE WORTH, TEXAS, FROM ALL CLAIMS, DAMAGES AND LOSSES ARISING OUT OF, OR RESULTING FROM THE PERFORMANCE OF THE OBLIGATIONS OF SAID OWNERS, AS SET FORTH HEREIN.

Flood Statement:

No portion of this property is located in Zone 'A' or 'AE' (Special Flood Hazard Areas Inundated by 100—year Flood) as shown on the FEMA, Flood Insurance Administration Rate Map, Community—Panel Number 48439C0155K, Dated 9/25/2009. This statement does not imply the property and/or structures thereon will be free from flooding and/or flood damage. Greater floods can and may occur and flood heights may be increased by man-made or natural causes. This flood statement shall not create liability on the part of the surveyor. If interested parties have concerns regarding the flooding propensities of this property, a qualified Licensed Professional Engineer should be consulted.

PRELIMINARY PLAT LAKEVIEW HEIGHTS

Block 2, Lot 1, Lakeview Heights Subdivision John Breeding Survey, Abstract No. 188 4426 Hodgkins Road LAKE WORTH, TARRÁNT COUNTY, TEXAS

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- 2. ALL CONSTRUCTION BARRICADING TO BE IN ACCORDANCE WITH CURRENT "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" GUIDELINES.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIALS AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THIS
- 4. THE CONTRACTOR SHALL CONTACT ALL FRANCHISE UTILITY COMPANIES TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION AND DEPTH OF ALL FRANCHISE UTILITY SERVICES AND ANY REQUIRED
- RELOCATION AND/OR EXTENSIONS. SERVICES SHOWN ON THE PLANS, IF ANY, ARE CONCEPTUAL 5. THE CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, SIGNS, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER GRADE BY THE CONTRACTOR PRIOR TO AND AFTER PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.
- 6. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF PIPE.
- 7. THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE CONTRACTOR SHALL PRESERVE AND PROTECT PRIVATE AND PUBLIC UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER SHALL BE NOTIFIED WHEN PROPOSED FACILITY GRADES CONFLICT WITH EXISTING UTILITY GRADES.
- 8. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY, INCLUDING, BUT NOT LIMITED TO FENCES, WALLS, PAVEMENT, GRASS, TREES, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED) AND IS NOT A SEPARATE PAY ITEM.
- SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO
- 11. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING SIGNED PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS,

9. THE CONTRACTOR SHALL REMOVE SURPLUS MATERIAL FROM THE PROJECT AREA. THIS WORK

COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS 12. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND

NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR

- WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS SHALL BE SENT TO THE ARCHITECT, CIVIL ENGINEER, CONTRACTOR AND OWNER DIRECTLY FROM THE TESTING
- 14. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- 15. CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUM PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.
- CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH
- 17. ALL HORIZONTAL DIMENSIONS GIVEN ARE TO FACE OF CURB AND TO PIPE CENTERLINES UNLESS OTHERWISE NOTED ON PLANS.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RELOCATION AND INSTALLATION OF FRANCHISE UTILITIES NECESSARY FOR ON AND OFF SITE CONSTRUCTION. PAYMENT FOR
- RELOCATION AND INSTALLATION WILL BE NEGOTIATED ONCE IDENTIFIED.

19. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE SHOWN.

- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 21. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CIVIL ENGINEER A COPY OF RECORD DRAWINGS IDENTIFYING ALL DEVIATIONS OR VARIATIONS FROM THE
- 22. CONTRACTOR SHALL GIVE NOTICE TO ALL AFFECTED PARTIES AND ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES OR RAILROADS AFFECTED BY HIS OPERATIONS, AT LEAST 48 HOURS PRIOR TO COMMENCEMENT
- 23. ALL "RECORD" DIMENSIONS SHALL CONFORM TO THE DESIGN DIMENSIONS PLUS OR MINUS 0.02 FEET. ALL "RECORD" SLOPES SHALL CONFORM TO THE DESIGNED SLOPES PLUS OR MINUS 0.005
- 24. CONTRACTOR SHALL CONTACT CITY BUILDING OFFICIAL TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THAT THE CITY MAY REQUIRE. THE CONTRACTOR IS CAUTIONED THAT THIS AND PERHAPS OTHER SUCH REQUIREMENTS MAY EXIST AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND COMPLY WITH THEM.
- 25. ALL CONSTRUCTION STAKING SHALL BE RESPONSIBILITY OF THE CONTRACTOR.

STORM SEWER NOTES

- 1. ALL STORM DRAINAGE PIPE SHALL BE HDPE AND SHOULD BE INSTALLED PER MANUFACTURE'S
- 2. ROCK RIP RAP RUBBLE SHALL USE 12" (MINIMUM) ROCKS AND BE GROUTED SO THAT 6" OF THE ROCKS ARE EXPOSED.
- NO PRECAST INLETS ARE PERMITTED FOR PUBLIC DRAINAGE SYSTEMS.
- 4. CONTRACTOR SHALL FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CONSTRUCTION MANAGER IMMEDIATELY IF A CONFLICT IS DISCOVERED
- 5. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS, GRATE INLETS, AND ALL UTILITIES CROSSING THE STORM SEWER. FLOW LINES AND RIMS OF PROPOSED INLETS SHALL BE VERIFIED WITH THE PROPOSED GRADE PRIOR TO CONSTRUCTION. 6. THE END OF ALL STORM SEWER LATERALS THAT CONNECT TO WORK BY PLUMBER SHALL BE
- TIGHTLY PLUGGED OR CAPPED AND MARKED 5.0 FEET OUTSIDE THE BUILDING UNTIL FINAL CONNECTIONS ARE MADE BY PLUMBING CONTRACTOR.
- 7. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES
- 8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS.

NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.

- 9. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- 10. EXISTING MANHOLE TOPS AND ALL OTHER DRAINAGE FACILITIES SHALL BE ADJUSTED AS REQUIRED TO MATCH FINAL GRADES AS SHOWN ON GRADING PLAN. NO SEPARATE PAY ITEM.

STORM SEWER DISCHARGE AUTHORIZATION

- 1. IF THE TOTAL DISTURBED AREA EXCEEDS ONE (1) ACRE A NOTICE OF INTENT (N.O.I.) SHALL BE SUBMITTED BY THE CONTRACTOR TO THE TCEQ NO LESS THAN 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 2. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN A CONTRACTOR CERTIFICATION STATEMENT ACKNOWLEDGING THEIR RESPONSIBILITIES AS SPECIFIED IN THE SWPPP.
- 3. A COPY OF THE SWPPP, INCLUDING CONTRACTOR CERTIFICATIONS AND ANY REVISIONS, SHALL BE SUBMITTED TO THE CITY AND FILED WITH THE CONSTRUCTION PLANS, AND SHALL BE RETAINED ON-SITE DURING CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR FILING A NOTICE OF TERMINATION AS REQUIRED BY

- 1. ALL WATER MAINS SHALL BE PVC AWWA-C900, DR18, CLASS 150. FIRE LINES SHALL BE AWWA C-900, DR18, CLASS 200.
- GATE VALVES SHALL CONFORM TO ANSI/AWWA C509-87J.
- 3. CITY ORDINANCE PROHIBITS ANYONE (OTHER THAN CITY EMPLOYEES) FROM OPENING OR CLOSING A WATER VALVE WHICH IS PART OF THE ACTIVE PUBLIC SYSTEM.
- 4. ALL FITTINGS SHALL BE RESTRICTED WITH ANCHORING COUPLINGS OR RETAINING HARNESSES
- ALL FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYVINYL PLASTIC.
- 6. THE MINIMUM HORIZONTAL SEPARATION BETWEEN ANY WATER MAIN AND A STORM DRAIN FACILITY SHALL BE EQUAL TO 2.5 FEET OR HALF THE DEPTH OF THE WATER LINE, WHICHEVER IS
- 7. ROUTE WATER LINES AROUND STORM DRAIN INLETS WITH A MINIMUM OF 12" CLEARANCE OUT-TO-OUT. MINIMUM DEFLECTION RADII SHALL BE ADHERED TO.
- 8. MINIMUM DEPTH OF COVER OVER ALL WATER MAINS SMALLER THAN TEN (10") INCHES IN DIAMETER SHALL BE THREE (3') FEET. MINIMUM DEPTH OF COVER FOR WATER MAINS TEN (10") INCHES AND LARGER SHALL BE THREE AND ONE-HALF (3.5') FEET.
- 9. ALL PORTIONS (EXCLUDING CHAINS) OF FIRE HYDRANT ABOVE GRADE SHALL BE PAINTED WITH TNEMEC SERIES 02H HI-BUILD TNEME-GLOSS. COLOR: CHILEAN RED.
- 10. BLOW-OFF HYDRANTS ARE TO BE SURROUNDED WITH HIGH VISIBILITY CONSTRUCTION FENCING FOR THE DURATION OF CONSTRUCTION ACTIVITY.
- 11. EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALTHOUGH THIS DATA IS SHOWN AS ACCURATELY AS POSSIBLE, THE CONTRACTOR IS CAUTIONED THAT THE OWNER AND THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF THIS
- 12. THE CONTRACTOR IS TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- 13. HORIZONTAL AND VERTICAL BLOCKING FOR WATER LINES HAS BEEN OMITTED FOR CLARITY. HOWEVER, BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS.
- 14. CORPORATION STOPS SHALL BE TESTED FOR FULL FLOW WHEN THE SYSTEM IS PRESSURE
- 15. ALL NEW WATER LINES SHALL BE FULLY PURGED.
- 16. ALL UNDERGROUND FIRE LINES SHALL BE INSPECTED PER CITY STANDARDS AND SPECIFICATIONS.

SANITARY SEWER NOTES

- 1. ALL SANITARY SEWER PIPE SHALL BE SDR 35 PVC (ASTM D-3034), UNLESS THE LINE IS DEEPER THAN 10 FEET, THEN SDR 26 PVC SHALL BE USED.
- 2. ALL SANITARY SEWER LINES ARE TO HAVE ONE 18 FOOT MINIMUM JOINT CENTERED BELOW
- WATER MAIN CROSSINGS. 3. THE MINIMUM SEPARATION BETWEEN ANY SANITARY SEWER MAIN AND A STORM DRAIN FACILITY SHALL BE EQUAL TO 2.5 FEET OR HALF THE DEPTH OF THE SANITARY SEWER, WHICHEVER IS
- 4. SERVICES WHICH ARE CONNECTED TO MANHOLES SHALL BE INSTALLED A MINIMUM OF 8 INCHES ABOVE THE MAIN FLOWLINE.
- 5. EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALTHOUGH THIS DATA IS SHOWN AS ACCURATELY AS POSSIBLE, THE CONTRACTOR IS CAUTIONED THAT THE CITY AND THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF THIS
- 6. THE CONTRACTOR IS TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO
- CONSTRUCTION. 7. TYPICAL LOCATION OF SANITARY SEWER PIPE SHALL BE A MINIMUM OF 4'-0" BELOW TOP OF CURB EXCEPT WHERE SHOWN OTHERWISE IN THESE PLANS.
- 8. ALL FLEXIBLE SANITARY SEWER MAINS SHALL BE TESTED WITH STANDARD 5% DEFLECTION
- 9. ALL SANITARY SEWER LINES SHALL BE CAPPED WITH AN APPROPRIATE CAP AT THE END OF EACH
- 10. WHEN EXISTING GRADES ARE LOWER THAN PROPOSED MAINS, THE FILL AREA OVER THE PIPE SHALL BE FILLED AND COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY TO THE PROPOSED FINISHED GRADE PRIOR TO INSTALLING ANY MAIN.
- 11. ALL PUBLIC SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED PER CITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.

TRAFFIC CONTROL NOTES

- 1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS TO THE OWNER, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
- 2. ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), LATEST VERSION.
- 3. THE CONTRACTOR SHALL COVER EXISTING SIGNS AND OBLITERATE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE INTENT OF THESE TRAFFIC CONTROL PLANS TO AVOID CONFUSION TO THE TRAVELING PUBLIC.
- 4. THE CONTRACTOR SHALL UNCOVER EXISTING SIGNS AND REPLACE PAVEMENT MARKINGS IN-KIND AS ORIGINALLY CONFIGURED AT THE END OF CONSTRUCTION OPERATIONS AND PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
- 5. ALL TEMPORARY SIGNS, BARRICADES, WARNING LIGHTS AND OTHER MISCELLANEOUS TRAFFIC CONTROL MEASURES SHALL BE REMOVED AND ORIGINAL TRAFFIC CONTROL MEASURES REPLACED AT THE END OF THE CONTRACTOR'S CONSTRUCTION OPERATIONS.

EROSION CONTROL NOTES

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. THE CONTRACTOR SHALL USE SEDIMENT FILTERS OR OTHER MEASURES APPROVED BY THE ENGINEER AND CONSTRUCTION MANAGER TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM CLOGGING STORM SEWER PIPES OR PROPOSED OR EXISTING INLETS, OR FROM BEING TRANSPORTED TO ADJACENT PROPERTIES AND STREET RIGHT-OF-WAYS. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND SHALL REMAIN IN PLACE UNTIL FINAL GRADING AND PAVING IS COMPLETE AND PERMANENT SOIL STABILIZATION IS ACHIEVED.
- 2. CONSTRUCTION OPERATIONS SHALL BE MANAGED SO THAT AS MUCH OF THE SITE AS POSSIBLE IS LEFT COVERED WITH EXISTING TOPSOIL AND VEGETATION.
- 3. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION TRAFFIC UTILIZES THE STABILIZED ENTRANCE AT ALL TIMES FOR INGRESS/EGRESS TO THE SITE.
- 4. CONSTRUCTION ENTRANCE:
 - MINIMUM SIZE STONE: 5-INCHES DIAMETER
 - THICKNESS: NOT LESS THAN 8-INCHES
- LENGTH: AS SHOWN ON PLAN
- WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS AND EGRESS. MAINTENANCE REQUIREMENTS: AS NECESSARY TO PREVENT TRACKING OR FLOWING
- MUD INTO PUBLIC RIGHT-OF-WAY OR PARKING AREAS.
- 5. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT

- SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY SHALL BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
- 6. CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE REQUIRED EROSION CONTROL DEVICES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ACCUMULATED SILT IN ANY EROSION CONTROL DEVICE SHALL BE REMOVED AND SHALL BE DISTRIBUTED ON SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ANY EROSION CONTROL DEVICE WHICH IS DISTURBED.
- 7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE FILTER BARRIER (OR OTHER METHOD APPROVED BY THE ENGINEER AND CITY) AS REQUIRED TO PREVENT ADVERSE OFF SITE IMPACTS OR STORM WATER QUALITY FROM SILT AND CONSTRUCTION DEBRIS FLOWING ONTO ADJACENT PROPERTIES AS REQUIRED BY THE CITY.
- 8. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF CONSTRUCTION AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROTECT AND PRESERVE CONTROL POINTS AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE GRADING CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- 9. CONTRACTOR STAGING AREA TO BE AGREED UPON BY OWNER PRIOR TO BEGINNING CONSTRUCTION.
- 10. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY THE T.C.E.Q. OR THE GOVERNING CITY.

OWNER ACCEPTING THE PROJECT.

- 1. ALL AREAS DISTURBED DURING CONSTRUCTION, INCLUDING AREAS OUTSIDE THE CONSTRUCTION BOUNDARY SHALL BE SEEDED AND HYDROMULCHED OR SODDED TO RE-ESTABLISH VEGETATION (AT LEAST 70%) PRIOR TO FINAL ACCEPTANCE. A CUMULATIVE APPROACH WHERE A PORTION OF THE DISTURBED AREA IS 100% VEGETATED AND OTHER AREAS ARE LEFT BARE IS NOT ACCEPTABLE.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF A MAXIMUM NUMBER OF PASSING FIELD DENSITY TESTS ON LIME STABILIZED SUBGRADE EQUAL TO THE RATIO OF 1 PER 100 LINEAR FEET OF STREET AND ALL FAILING DENSITY TESTS AND REQUIRED MOISTURE-DENSITY CURVES.
- 3. ALL FILL SHALL ADHERE TO GEOTECHNICAL REPORT BY: TRINITY ENGINEERING/KLEINFELDER, JOB # D01-2663 DATED AUGUST 2001. STOCKPILING OF EXCESS FILLS WILL NOT BE ALLOWED WITHIN CITY LIMITS WITHOUT OBTAINING A FILL/EXCAVATION PERMIT.
- 4. GRADING SHALL NOT RESULT IN SLOPES GREATER THAN 4' HORIZONTAL TO 1' VERTICAL (4:1). 5. GRADING SHALL BE COMPLETE IN ACCORDANCE WITH THE APPROVED PLANS PRIOR TO THE
- 6. SLOPES CREATED BY EXCAVATION OR FILL SHALL NOT EXCEED 3' HORIZONTAL TO 1' VERTICAL (3:1) FOR A PERIOD MORE THAN 120 DAYS. IF LONGER THAN 120 DAYS THE SLOPE SHALL NOT EXCEED 4' HORIZONTAL TO 1' VERTICAL (4:1).
- 7. ALL STATE AND LOCAL REQUIREMENTS FOR STORM WATER POLLUTION PREVENTION PLANS
- 8. IF A GRADING PERMIT IS REQUIRED FROM THE CITY PRIOR TO STARTING CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT AND PAYING ALL ASSOCIATED FEES.
- 9. CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION. IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE
- 10. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE EXISTING AND PROPOSED FACILITIES AND NO PONDING IN PAVED AREAS. CONTRACTOR ADJUSTMENTS TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE IS ALLOWED WITH THE PRIOR APPROVAL OF THE ENGINEER. CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PAVING IF ANY AREAS OF POOR DRAINAGE ARE
- 11. THE CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES, AND TELEPHONE BOXES WHICH ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.
- 12. ALL EXISTING CONCRETE PAVING, CHANNEL IMPROVEMENTS, SIDEWALK, STRUCTURES AND CURB DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF BY THE CONTRACTOR, OFFSITE UNLESS OTHERWISE DIRECTED BY THE OWNER OR ENGINEER
- 13. ALL CLEARING, GRADING, COMPACTION AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE TO THE GEOTECHNICAL REPORT: ECS TEXAS, LLP., ECS JOB # 19:6558 DATED JUNE
- 14. GRADING CONTRACTOR TO COORDINATE WITH THE FRANCHISE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.

- 1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF LAKE WORTH STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
- 2. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY THE CONSTRUCTION MANAGER AND ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION. IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN
- 3. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER AND CITY) AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION.
- 4. ALL EXCAVATING IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY THE GRADING CONTRACTOR AT HIS EXPENSE.
- 5. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- RISERS, WATER VALVES, ETC. THAT ARE TO REMAIN OR BE RELOCATED DURING ALL 7. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE

CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL

6. THE CONTRACTOR SHALL PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE

PLACEMENT. 8. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE NOMINATION OF THE TESTING LABORATORY AND THE PAVEMENT OF SUCH TESTING SERVICES SHALL BE MADE BY THE CONTRACTOR. THE OWNER SHALL APPROVE THE LABORATORY NOMINATED TO DO THE TESTING OF MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW BY

MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO

9. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

STANDARD TESTING PROCEDURES THAT THE WORK CONSTRUCTED DOES MEET THE

REQUIREMENTS OF THE CITY'S SPECIFICATIONS AND THESE PLANS.

10. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT FOR PAVEMENT MARKINGS SHALL ADHERE TO SECTION 2.9 OF THE N.C.T.C.O.G. STANDARD SPECIFICATIONS UNDER "TRAFFIC

- 11. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1990.
- 12. REFERENCE CITY OF LAKE WORTH STANDARD CONSTRUCTION DETAILS FOR HANDICAP RAMP
 - 13. REFERENCE LANDSCAPE PLANS BY OTHERS FOR LOCATION AND TYPE OF HANDICAP RAMPS TO
- 14. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR
- 15. CONTRACTOR RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY CITY OF LAKE
- WORTH OF TRAFFIC CONTROL PLAN PRIOR TO START OF CONSTRUCTION.
- CONSTRUCTION DETAILS.
- DIRECTIONAL SIGNS SHALL BE LOCATED OUT OF THE PEDESTRIAN AND AUTOMOBILE ROUTES. SIGN HEIGHT, LOCATION, AND STRUCTURE SHALL BE SUCH THAT THE SIGNS POSE NO THREAT TO PUBLIC SAFETY AND CONFORM TO THE STANDARDS ESTABLISHED PER CITY OF LAKE WORTH DESIGN CRITERIA AND CONSTRUCTION STANDARDS DATED OCTOBER 12, 1999, MARCH 12, 2002 AND MAY 16, 2006.
- 19. REFER TO GEOTECHNICAL REPORT FOR SOIL COMPACTION SPECIFICATION.
- AS THOSE OCCURRING AT THE END OF THE DAY OR DUE TO WEATHER OR EQUIPMENT BREAKDOWN. PLACE AT LONGITUDINAL CONSTRUCTION OR ISOLATION JOINT LOCATIONS.
- 21. CONTRACTOR TO INSTALL CONSTRUCTION JOINTS IN CONCRETE PAVEMENT AT ALL PC'S AND AS CONVENIENT TO PHASING OF POURS. CONCRETE PAVEMENT TO BE CONSTRUCTED WITH ISOLATION JOINTS AROUND THE PERIMETER OF ANY BLOCK OUT IN PAVEMENT AND SAWED
- 23. RADIAL JOINTS SHALL BE NO SHORTER THAN 24".
- 24. ALL CONSTRUCTION JOINTS SHALL BE SAWED, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH HOT POURED RUBBER JOINT SEALING COMPOUND.

- AND OTHER PAVING DETAILS.
- BE PROVIDED AND FOR FLATWORK.
- CONSTRUCTION AND ANY SPECIAL PROVISION AS APPROVED BY THE CITY OF LAKE WORTH.
- 16. SIDEWALKS TO CONFORM TO THE MINIMUM STANDARDS PER CITY OF LAKE WORTH
- 17. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER
- 18. CONTRACTOR SHALL VERIFY HANDICAP RAMPS COMPLY WITH A.D.A. AND T.A.S STANDARDS.
- 20. CONSTRUCTION JOINTS SHALL BE REQUIRED AT INTERRUPTIONS OF PAVING OPERATIONS SUCH
- DUMMY JOINTS NO FARTHER THAN EVERY 12' IN BOTH DIRECTIONS.
- 22. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.

- 25. CONTRACTOR TO SUBMIT JOINTING PLAN TO ENGINEER FOR REVIEW PRIOR TO ANY PAVING
- 26. THE CONTRACTOR SHALL OBTAIN A STREET USE PERMIT FOR ANY PAVING WORK IN PUBLIC

GEOTECHNICAL REPORT PROJECT NO. D01-2663

BY: TRINITY ENGINEERING/KLEINFELDER DATED: August 3, 2001

Scale: AS SHOWN

Checked By: AA



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NGINEER OF RECORD

ANNA C. BLACKWELL, P.E.

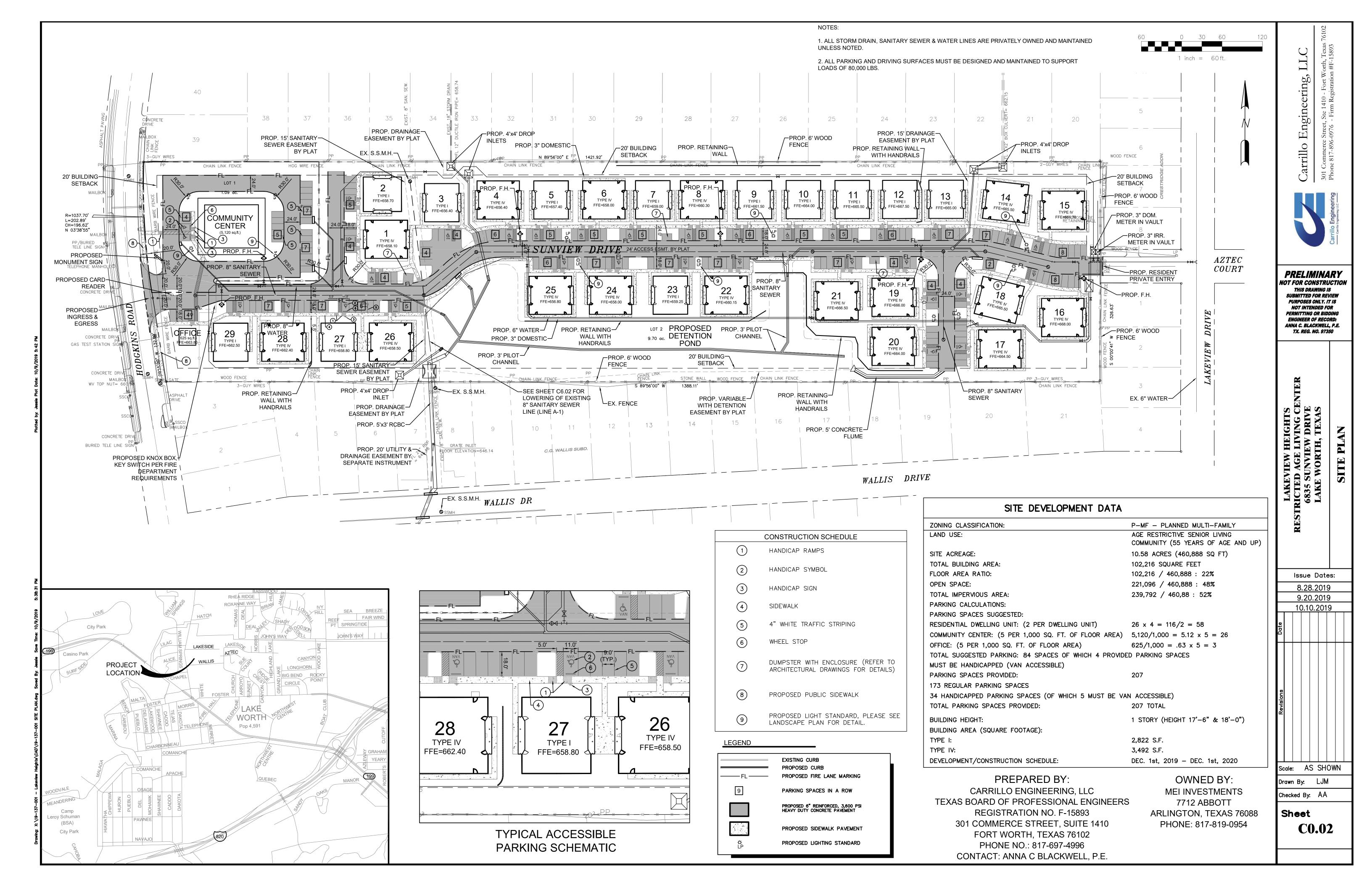
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& PROPOSED STRUCTURES

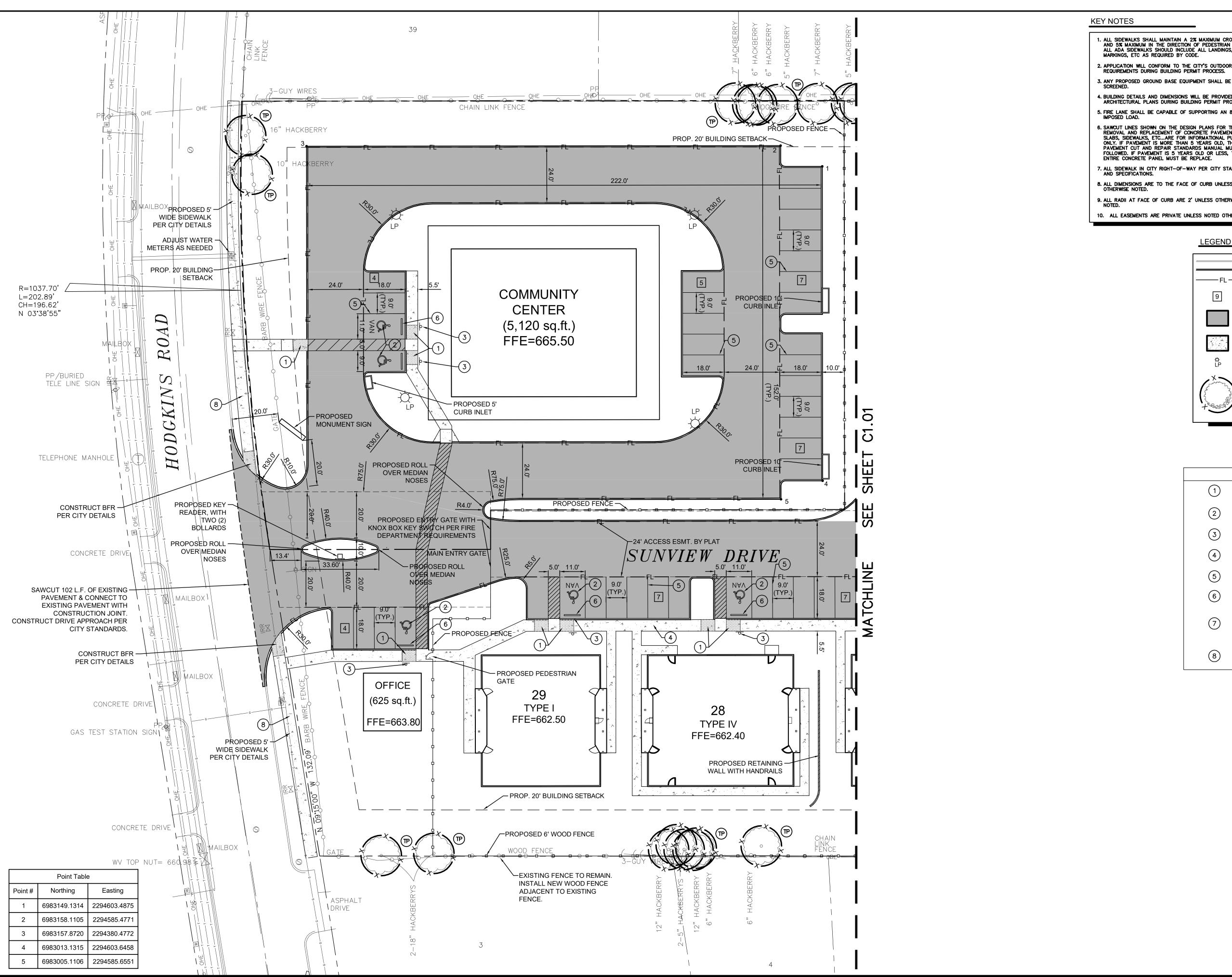
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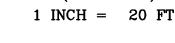
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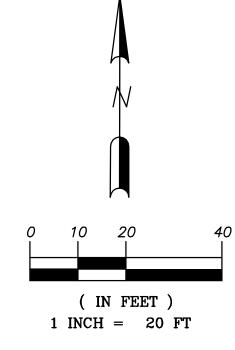
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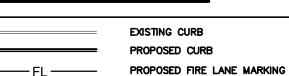


- 1. ALL SIDEWALKS SHALL MAINTAIN A 2% MAXIMUM CROSS SLOPE AND 5% MAXIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. ALL ADA SIDEWALKS SHOULD INCLUDE ALL LANDINGS,
- 2. APPLICATION WILL CONFORM TO THE CITY'S OUTDOOR LIGHTING REQUIREMENTS DURING BUILDING PERMIT PROCESS.
- 4. BUILDING DETAILS AND DIMENSIONS WILL BE PROVIDED IN ARCHITECTURAL PLANS DURING BUILDING PERMIT PROCESS.
- 5. FIRE LANE SHALL BE CAPABLE OF SUPPORTING AN 80,000 LB. IMPOSED LOAD.
- 6. SAWCUT LINES SHOWN ON THE DESIGN PLANS FOR THE REMOVAL AND REPLACEMENT OF CONCRETE PAVEMENT, DRIVES, SLABS, SIDEWALKS, ETC...ARE FOR INFORMATIONAL PURPOSES ONLY. IF PAVEMENT IS MORE THAN 5 YEARS OLD, THE PAVEMENT CUT AND REPAIR STANDARDS MANUAL MUST BE FOLLOWED. IF PAVEMENT IS 5 YEARS OLD OR LESS, THE ENTIRE CONCRETE PANEL MUST BE REPLACE ENTIRE CONCRETE PANEL MUST BE REPLACE.
- 7. ALL SIDEWALK IN CITY RIGHT-OF-WAY PER CITY STANDARDS
- 8. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- 9. ALL RADII AT FACE OF CURB ARE 2' UNLESS OTHERWISE NOTED.
- 10. ALL EASEMENTS ARE PRIVATE UNLESS NOTED OTHERWISE.

LEGEND







PARKING SPACES IN A ROW

PROPOSED 6" REINFORCED, 3,600 PSI HEAVY DUTY CONCRETE PAVEMENT PROPOSED SIDEWALK PAVEMENT

PROPOSED LIGHT FIXTURE

TREE TO REMAIN W/ TREE PROTECTION

CONSTRUCTION SCHEDULE

HANDICAP RAMPS

HANDICAP SYMBOL

HANDICAP SIGN

SIDEWALK

4" WHITE TRAFFIC STRIPING

WHEEL STOP

DUMPSTER WITH ENCLOSURE (REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS)

PROPOSED PUBLIC SIDEWALK

CAUTION!! CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.

> STOP! **CALL BEFORE YOU DIG**

DIG TESS 1-800-DIG-TESS (at least 72 hours prior to digging)

C1.00

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PRELIMINARY

Engineering,

Carrillo

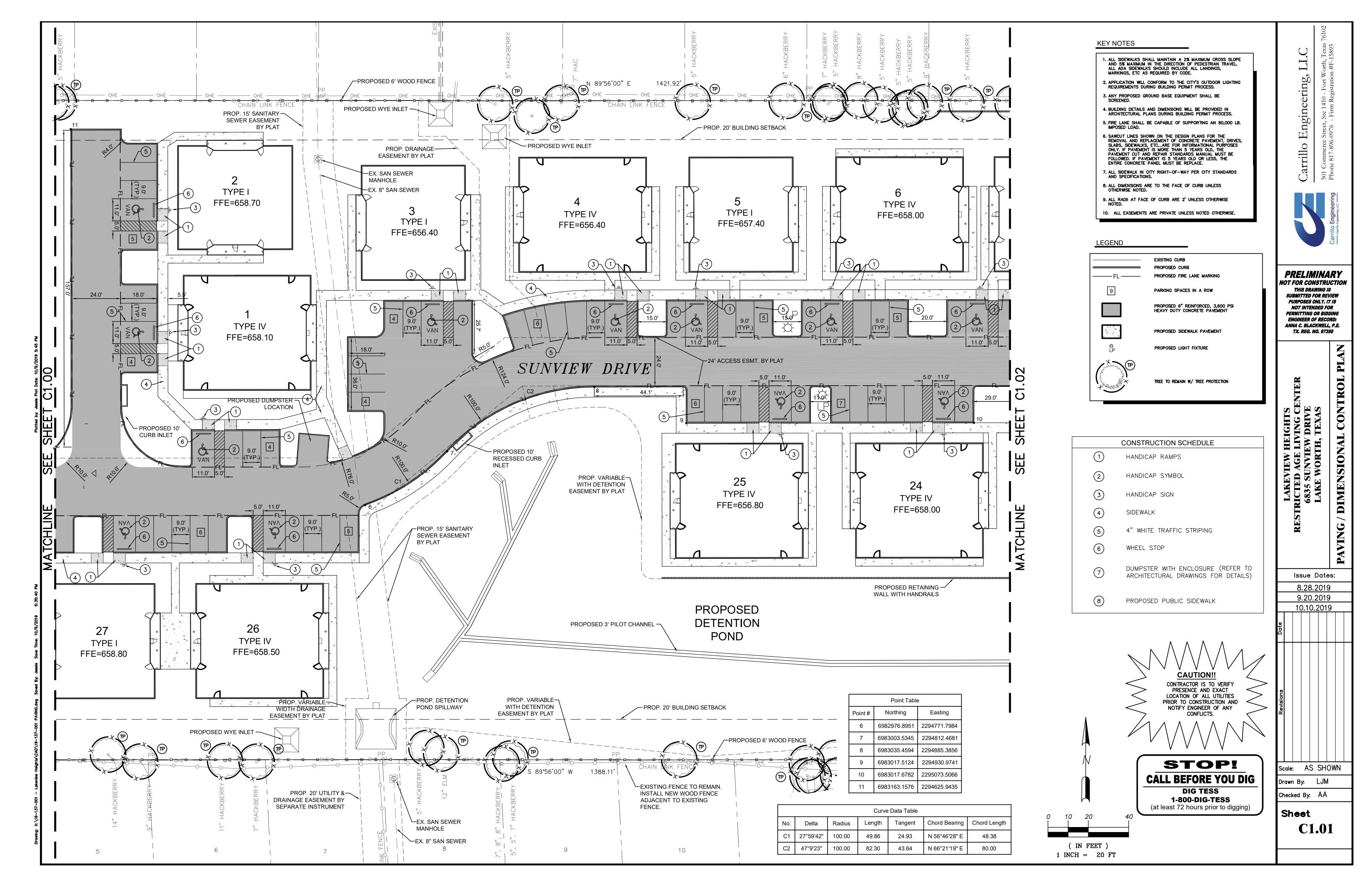
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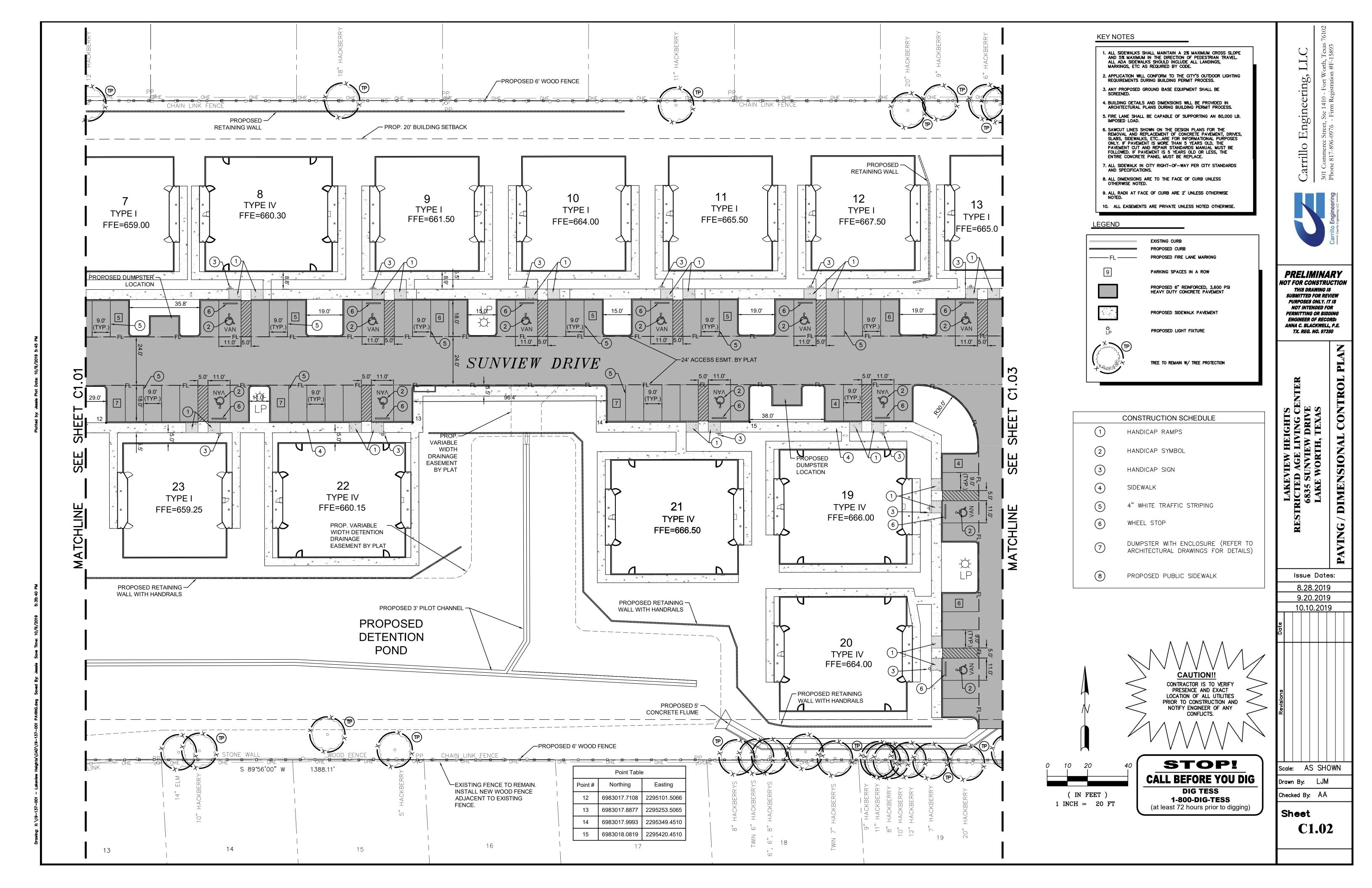
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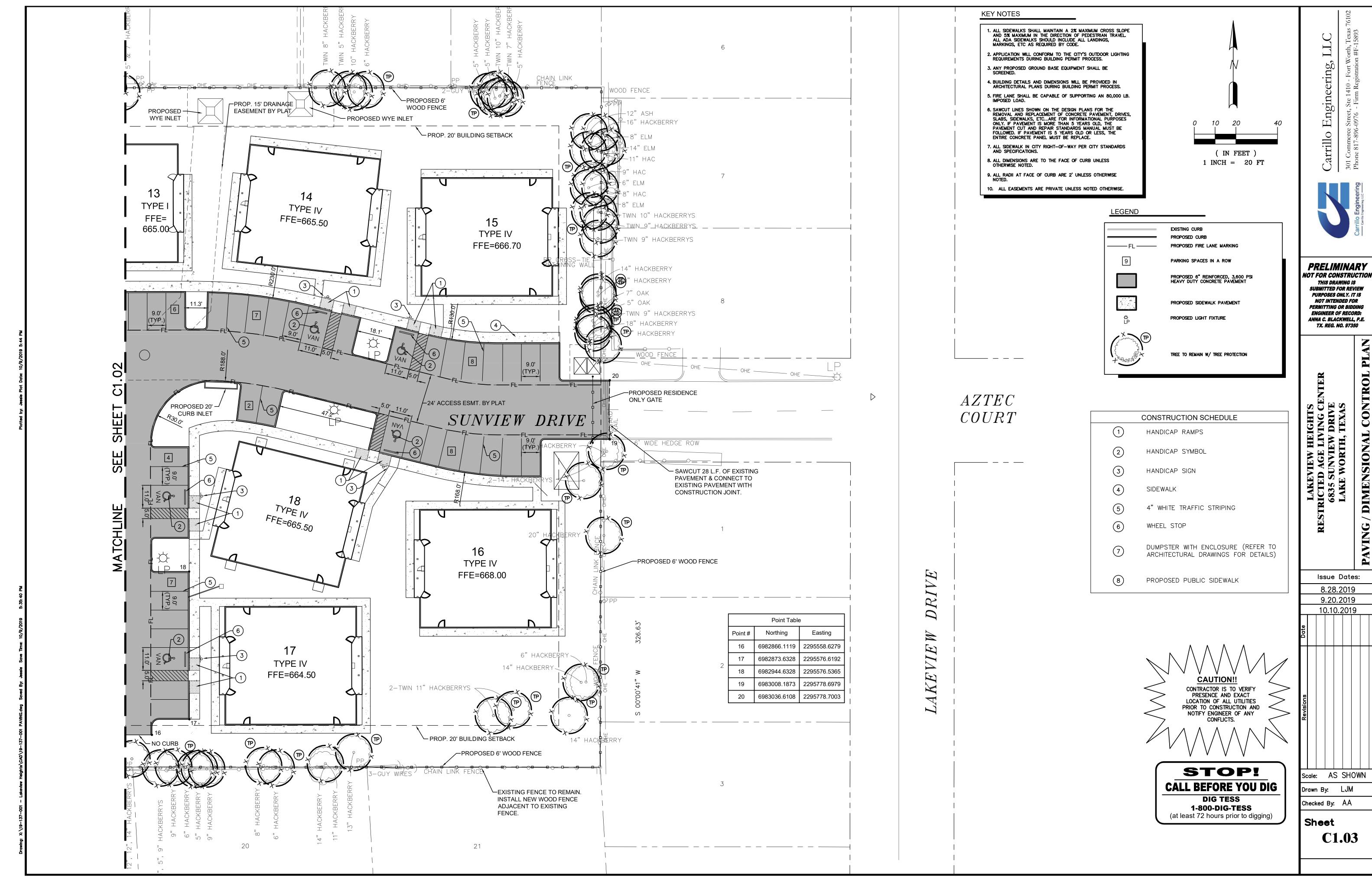
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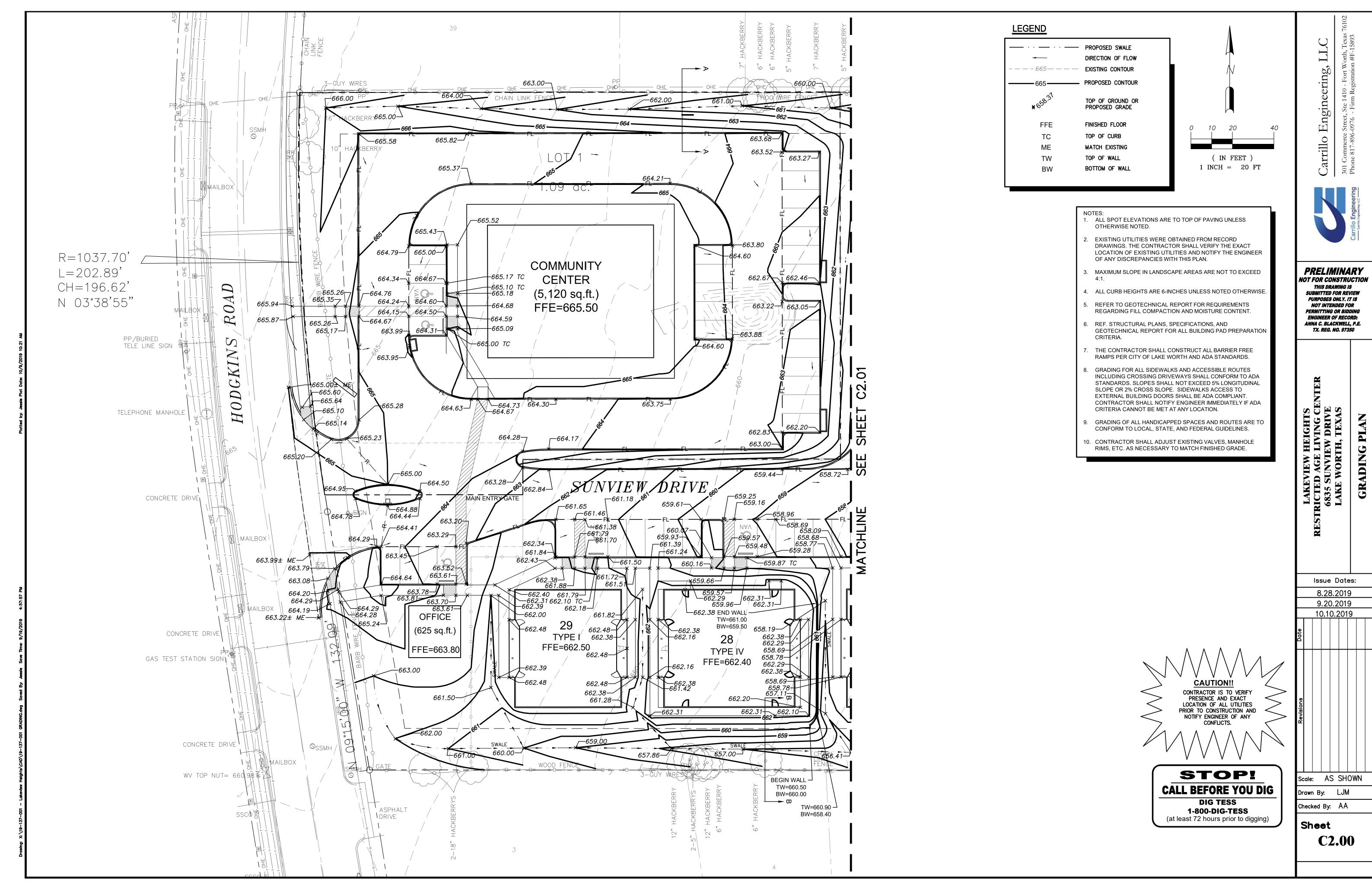
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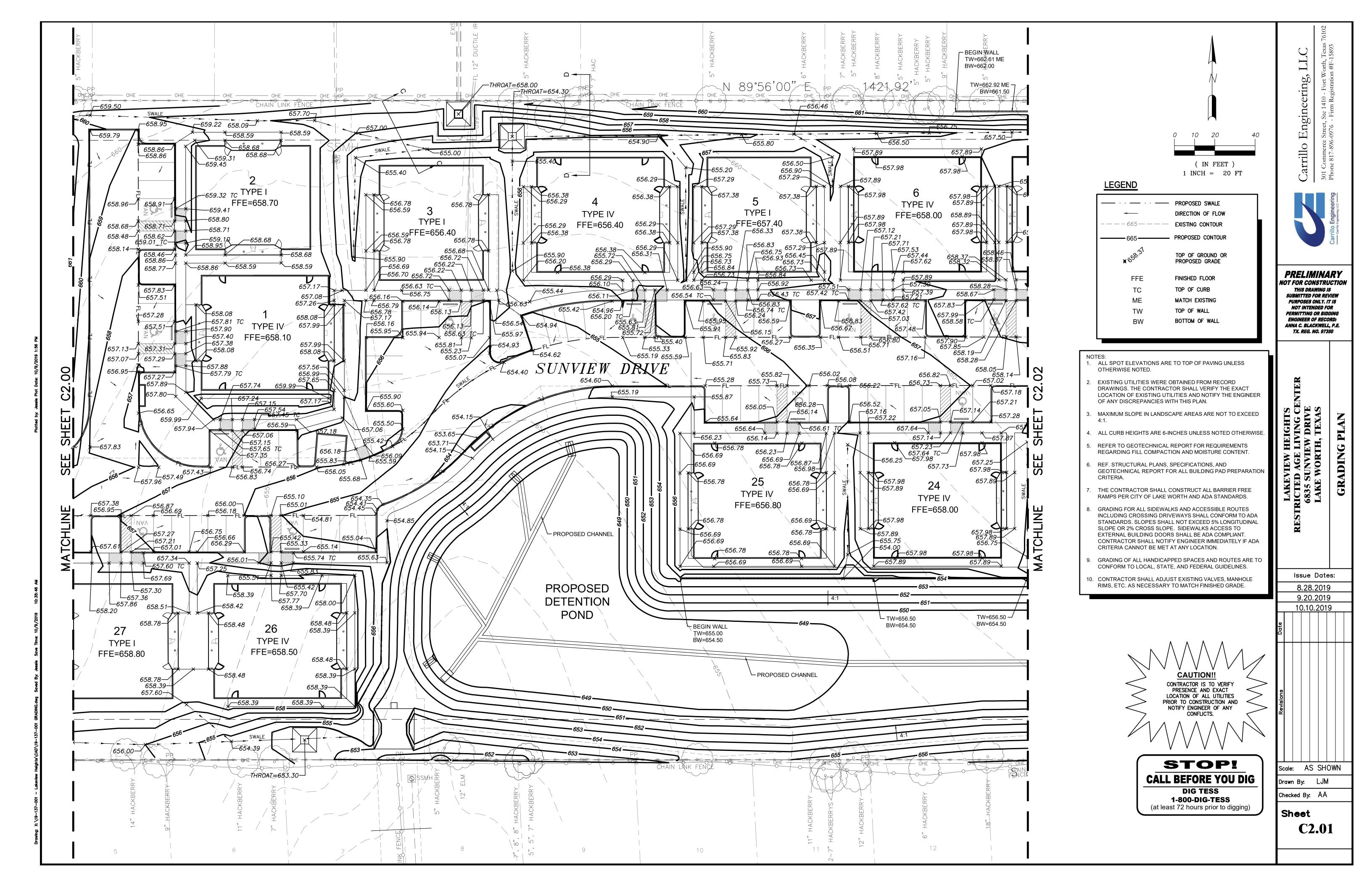
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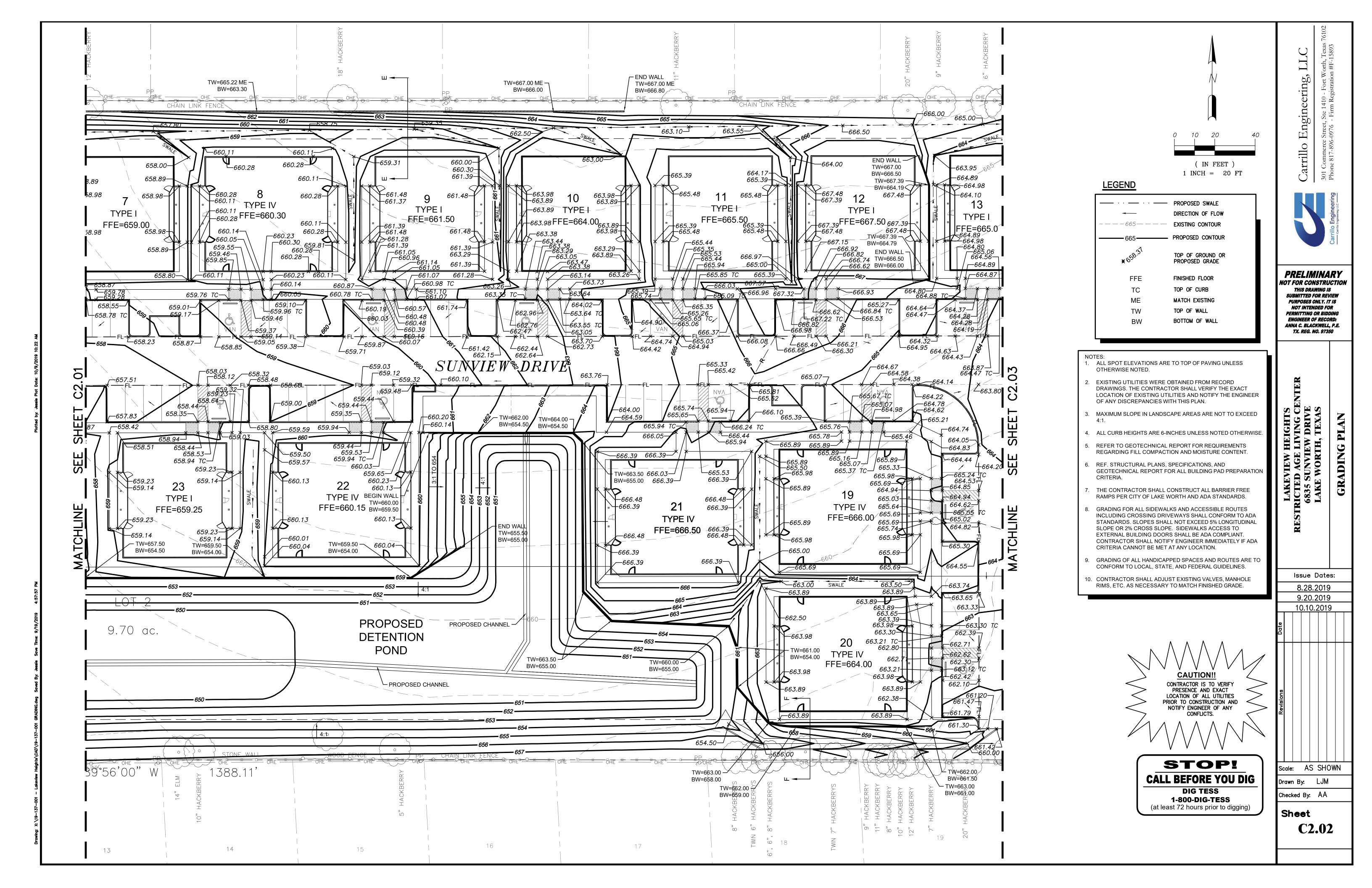


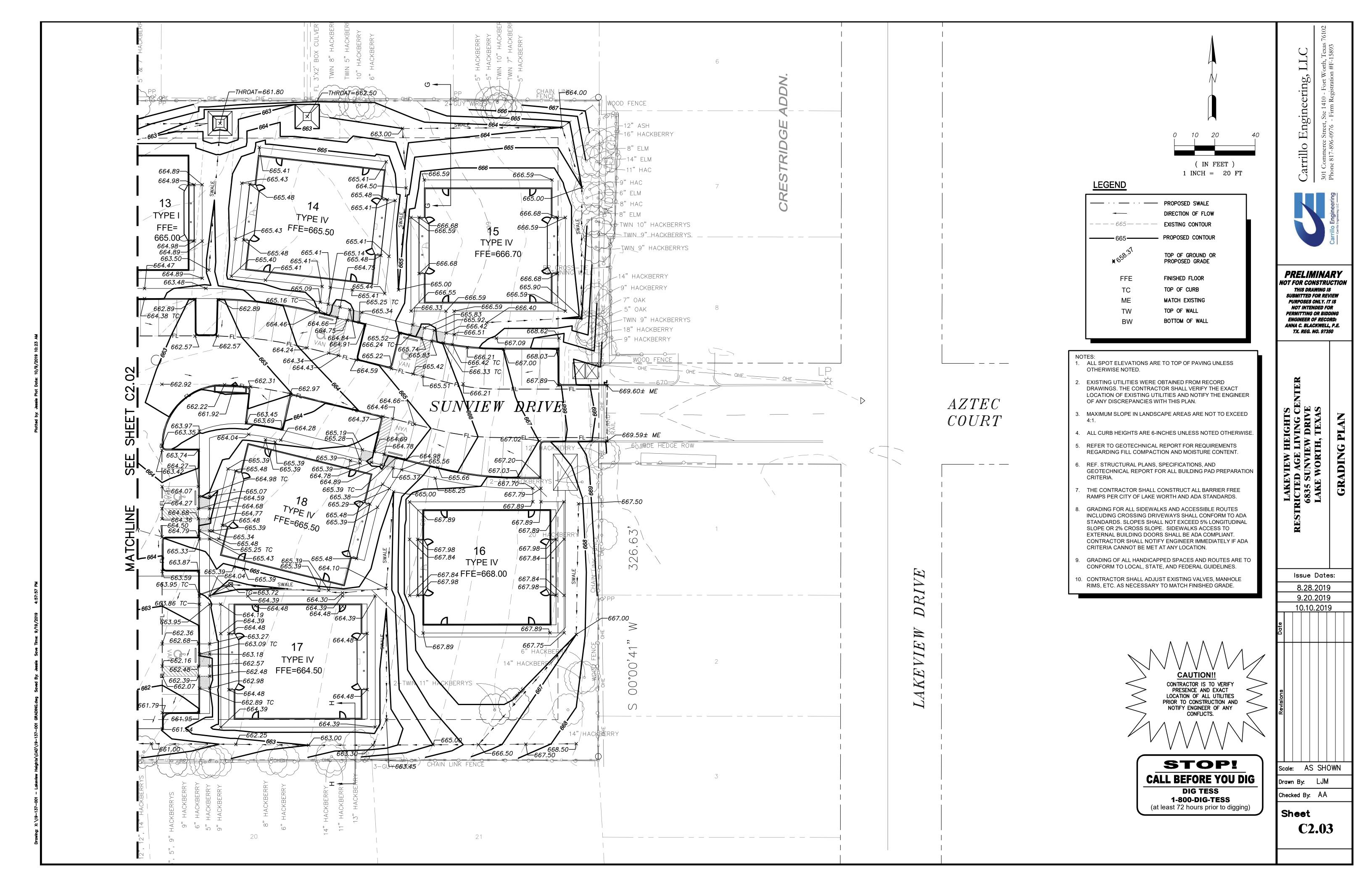


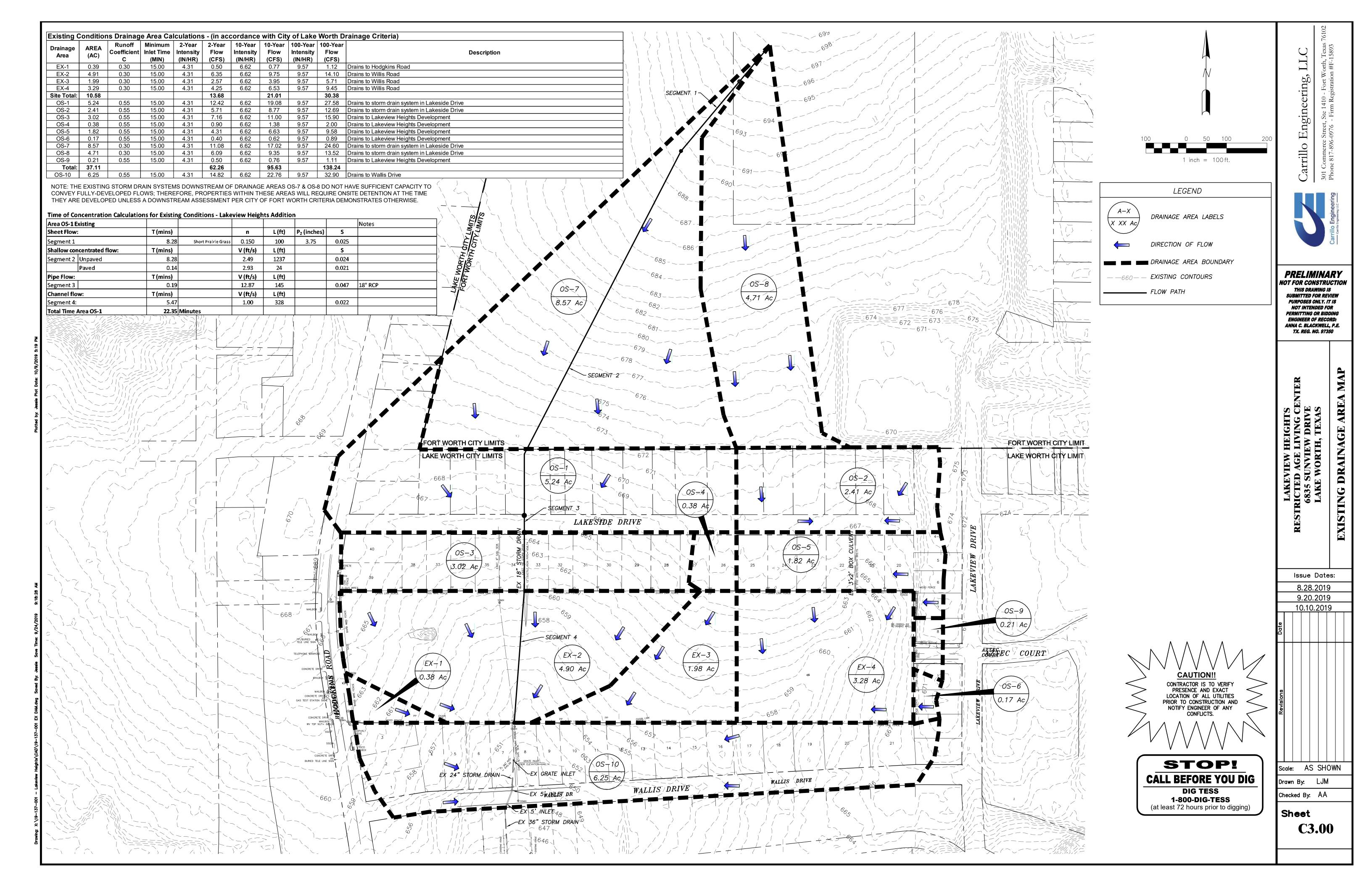


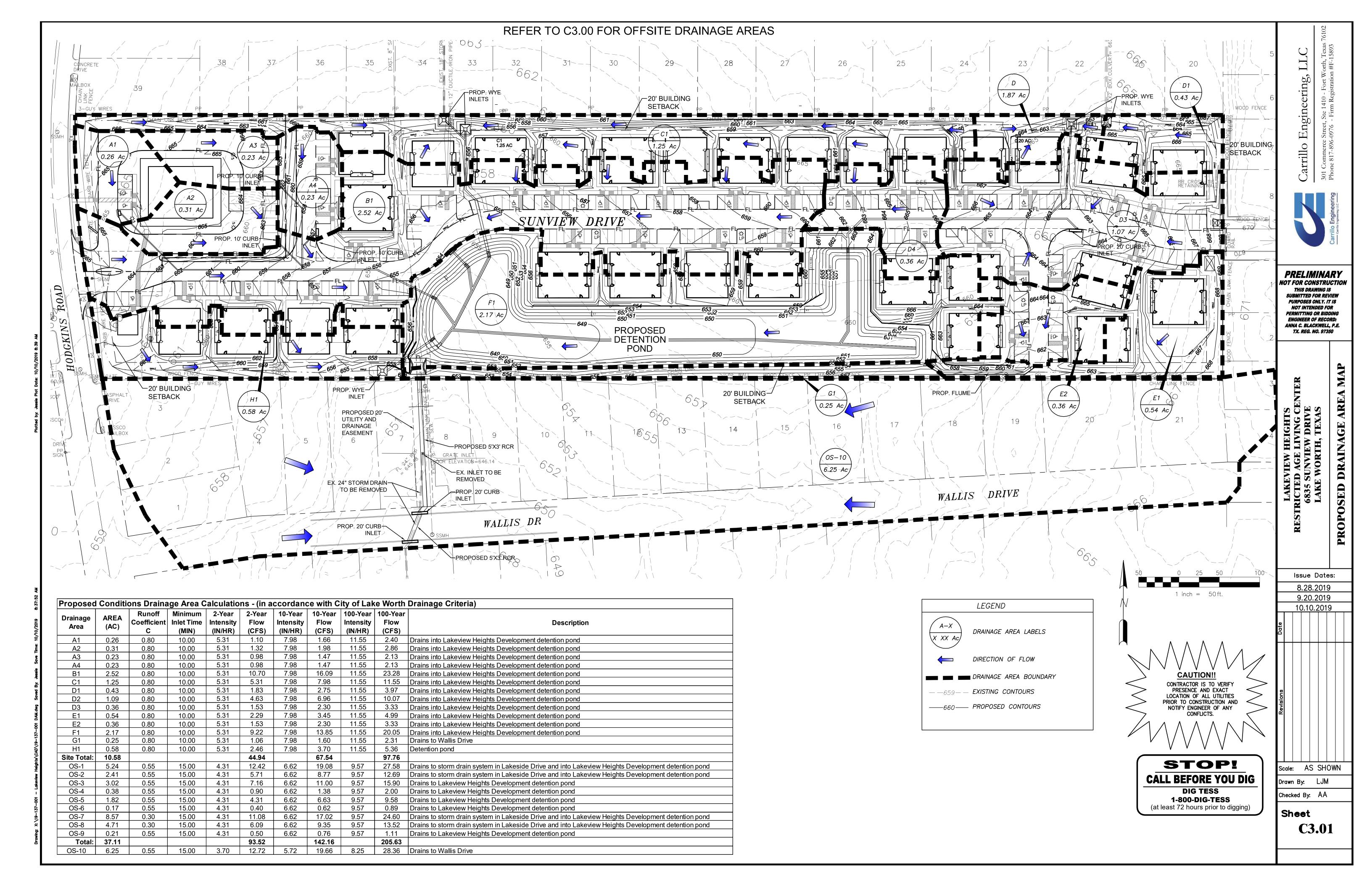


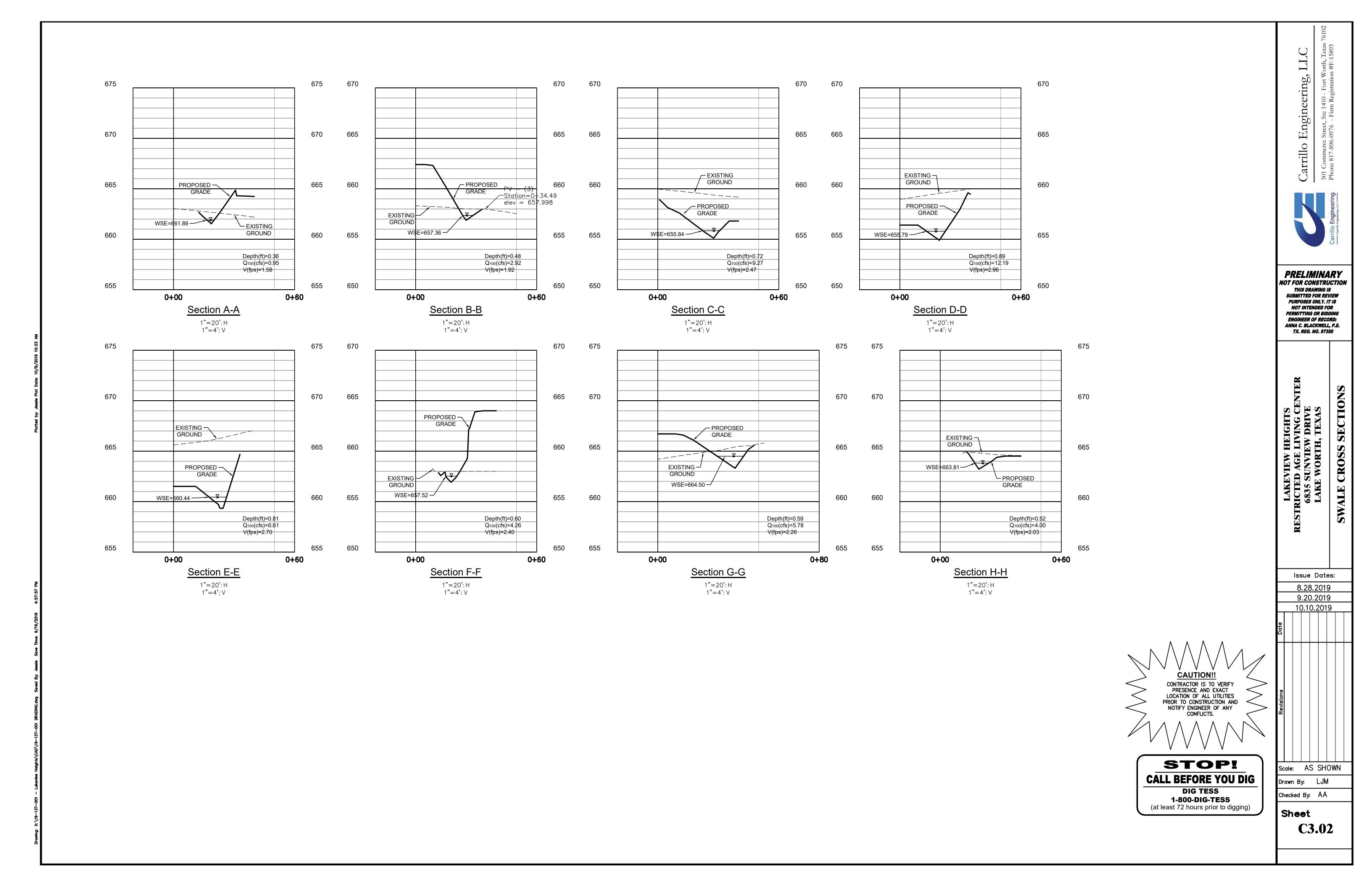


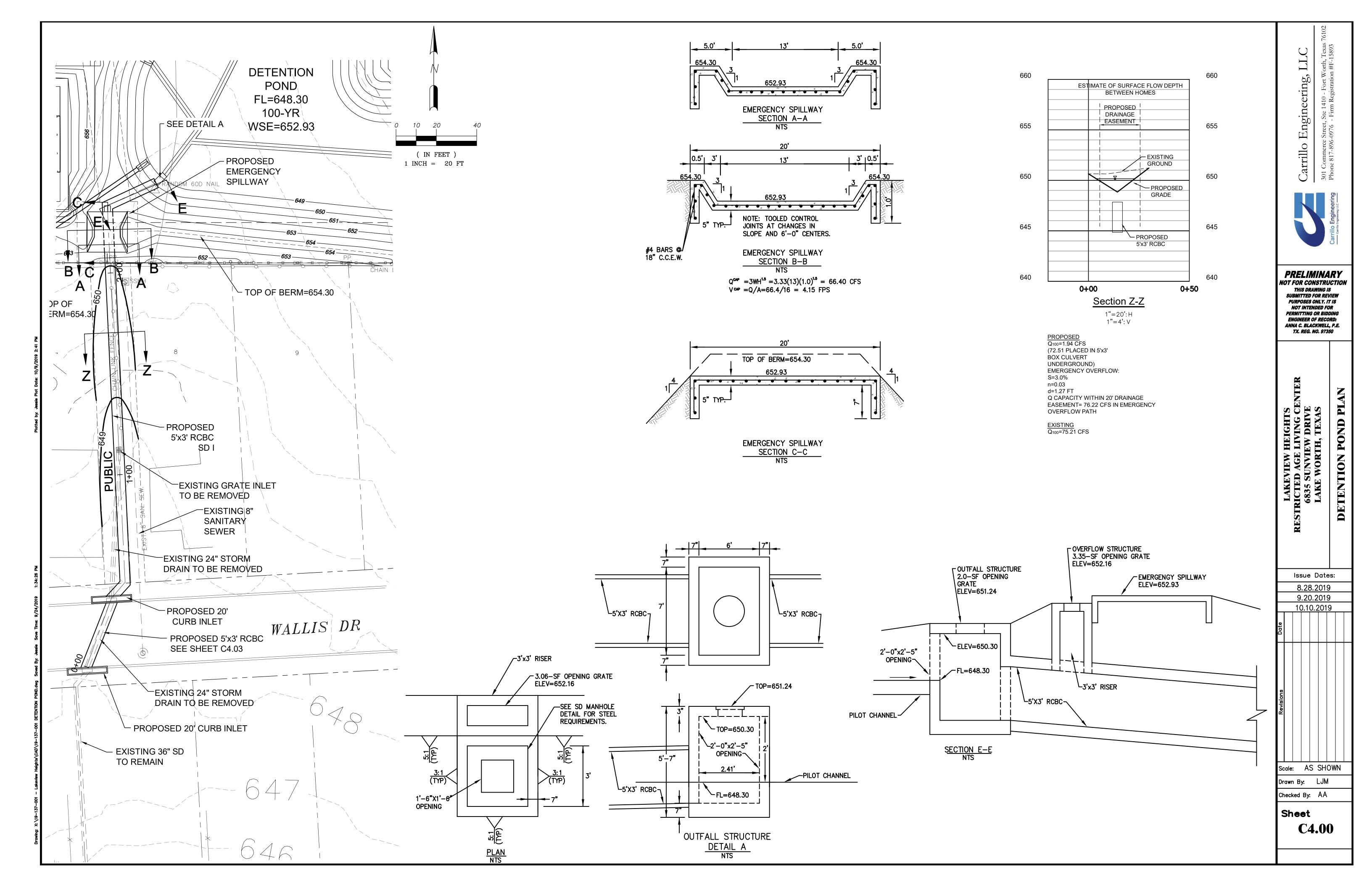












Orainage / Detention Calculations (2-YEAR)		Drainage / Detention Calculations (10-YEAR)		Drainage / Detention C		
Modified Rational Method		Modified Rational Method		Modified Rational Metho	d	
				Required Storage Volume	130,793 cubic-feet	
equired Storage Volume 57,367 cubic-feet 1.317 acre-feet		Required Storage Volume 91,405 cubic-feet 2.098 acre-feet		Onsite Existing Conditions	3.003 acre-feet	
1.317 acte-teet		2.000 dole-leet		Area 24.41 acres		
Onsite Existing Conditions		Onsite Existing Conditions		Time (Tc) 23 minutes		
rea 24.41 acres		Area 24.41 acres		C value 0.39 I-100vr 7.90 in/hr		
me (Tc) 23 minutes		Time (Tc) 23 minutes C value 0.39		Q 100-yr 7.90 ln/nr	Allowable Release	
value 0.39 2 yr 3.50 in/hr		C value 0.39 I-10 yr 5.40 in/hr		Q 100-yr 1.94 cfs	ByPass ByPass	
Q 2-yr 33.32 cfs Allowable Release		Q 10-yr 51.41 cfs Allowable Release		Q 100-yr 73.27 cfs	Pond Allowable Release	
Q 2-yr 0.88 cfs ByPass		Q 10-yr 51.41 cfs Allowable Release Q 100-yr 1.34 cfs ByPass Q 100-yr 50.07 cfs Pond Allowable Release		Onsite Proposed Conditions		
2 2-yr 32.44 cfs Pond Allowable Release		Q 100-yr 50.07 cfs Pond Allowable Release		Area 36.82 acres	Total Acreage Going to Pond	
Onsite Proposed Conditions		Onsite Proposed Conditions		Time (Tc) 17 minutes		
rea 36.82 acres Total Acreage Going to Pond		Area 36.82 acres Total Acreage Going to Pond		C value 0.53		
me (Tc) 17 minutes		Time (Tc) 17 minutes C value 0.53		I-100yr 8.50 in/hr		
value 0.53 2 vr 3.90 in/hr		I-10 vr 6.00 in/hr		Q 100-yr 165.87 cfs	Developed Runoff 136.6022	
2-yr 76.11 cfs Developed Runoff		Q 10-yr 117.09 cfs Developed Runoff				
				Runoff per Storm Event - De	eveloped Lake Worth Rainfall Inte	nsity
				Time	Runoff Storm	Time
unoff per Storm Event - Developed	Lake Worth Rainfall Intensity	Runoff per Storm Event - Developed Lake Worth Rainfall Intensity Runoff Storm	Time	(min.) I-100yr C value	()	d (min.) I-2 yr I-10 yr
īme (min.) I-2yr C value Area (ac) Runoff (cfs)	Storm Time Freq. e b d (min.) I-2yr I-10yr	I-100yr Time (min.) I-10yr C value Area (ac) (cfs) Freq. e b d		5 14.820 0.53 10 11.550 0.53		5 6.760 10.190 8.00 10 5.230 7.980
5 6.760 0.53 36.82 131.92	5 6.760 10.190	14.820 5 10.190 0.53 36.82 198.85	5 6.760 10.190 14	15 9 570 0.53		8.00 10 5.230 7.980 8.50 15 4.310 6.620
10 5.230 0.53 36.82 102.06	2 Year 0.788 51.0 8.00 10 5.230 7.980	11.550 10 7.980 0.53 36.82 155.73 2 Year 0.788 51.0 8.00	10 5.230 7.980 11	.550 20 8.230 0.53	36.82 160.61 100 Year 0.767 106.0	8.00 20 3.690 3.900 5.700 6.000
15 4.310 0.53 36.82 84.11	10 Year 0.777 77.0 8.50 15 4.310 6.620	9.570 15 6.620 0.53 36.82 129.19 10 Year 0.777 77.0 8.50 8.230 20 5.700 0.53 36.82 111.23 100 Year 0.767 106.0 8.00		25 7.250 0.53	36.82 141.48	25 3.240 3.500 5.030 5.400
20 3.690 0.53 36.82 72.01 25 3.240 0.53 36.82 63.23	100 Year 0.767 106.0 8.00 20 3.690 3.900 5.700 25 3.240 3.500 5.030	7 250 30 5.030 0.53 36.82 98.16		30 0.510 0.53		30 2.900 4.510 35 2.630 4.110
30 2.900 0.53 36.82 56.59	30 2.900 4.510	6.510 25 4.510 0.53 36.82 88.01	30 2.900 4.510 6.	.510 35 5.920 0.53		35 2.630 4.110 40 2.410 3.770
35 2.630 0.53 36.82 51.32	TP-40 IDF Curve 35 2.630 4.110		35 2.630 4.110 5.	.920 50 4.710 0.52	36.82 91.91	50 2.080 3.260
40 2.410 0.53 36.82 47.03	40 2.410 3.770	5.440 40 3.770 0.53 36.82 73.57 50 4.710 50 3.260 0.53 36.82 63.62		.440 60 4.170 0.53	36.82 81.38	60 1.830 2.890
50 2.080 0.53 36.82 40.59 60 1.830 0.53 36.82 35.71	50 2.080 3.260 60 1.830 2.890	4.170 60 2.890 0.53 36.82 56.40	60 1.830 2.890 4.	120 2.560 0.53	36.82 49.96	120 1.110 1.770
120 1.110 0.53 36.82 21.66	120 1.110 1.770	2.560 120 1.770 0.53 36.82 34.54		.560 Inflow per Storm Event		
		Inflow per Storm Event		Storm Inflow		
Norm Event Runoff Inflow (ft/3)		Storm Inflow		Event Runoff (ft^3)		
5 131.92 39,576		Event Runoff (ft^3)		5 289.21 86,70		
10 102.06 61,237		5 198.85 59,656		10 225.39 135,23 15 186.75 168,0		
15 84.11 75,697		10 155.73 93,436 15 129.19 116,268		20 160.61 192,72		
20 72.01 86,411 25 63.23 94,841		20 111.23 133,480		25 141.48 212,2		
30 56.59 101,866		25 98.16 147,238		30 127.04 228,6 35 115.53 242.6	72	
35 51.32 107,779		30 88.01 158,420 35 80.21 168,431		35 115.53 242,60 40 106.16 254,73	70 JD	
40 47.03 112,872		40 73.57 176,568		50 91.91 275,74	41	
50 40.59 121,771		50 63.62 190,853		60 81.38 292,9	53	
60 35.71 128,562 120 21.66 155,961		60 56.40 203,030		120 49.96 359,69		
120 21.00		120 34.54 248,694				
				Outflow per Storm Event		
Outflow per Storm Event Outflow (ft^3) Storm Time Release Outflow (ft^3)		Outflow per Storm Event		Outflow per Storm Event Storm Time Release	e Outflow (ft^3)	
Storm Time Release Outflow (ft ^A 3) 5 22 32.46 21,423		Storm Time Release Outflow (ft/3)		5 22 72.51	47.856	
10 27 32.46 26,292		5 22 49.80 32,870 10 27 49.80 40,340		10 27 72.51 15 32 72.51		
15 32 32.46 31,161		15 32 49.80 47,811		20 37 72.51	80,485	
20 37 32.46 36,030 25 42 32.46 40,899		20 37 49.80 55,281		25 42 72.51	91,361	
30 47 32.46 45,768		25 42 49.80 62,752 30 47 49.80 70.222		30 47 72.51 35 52 72.51		
35 52 32.46 50,637		30 47 49.80 70,222 35 52 49.80 77,692		35 52 72.51 40 57 72.51		
40 57 32.46 55,506 50 67 32.46 65.243		40 57 49.80 85,163		50 67 72.51	145,743	
50 67 32.46 65,243 60 77 32.46 74,981		50 67 49.80 100,104		60 77 72.51	167,495	
120 137 32.46 133,408		60 77 49.80 115,044 120 137 49.80 204,689		120 137 72.51	298,011	
		120 131 49.00 204,009		Detention Volume		
etention Volume Storage		Detention Volume		Social Country	Storage	
Storm Inflow Outflow Storage (ft^3) (acre-ft)		Storage (Account (Acc		Storm Inflow Outflo	w Storage (ft^3) (acre-ft)	
5 39,576 21,423 18,152 0.417		Storm Inflow Outflow Storage (ft^3) (acre-ft) 5 59,656 32,870 26,786 0.615		5 86,762 47,8 10 135,236 58,7	56 38,906 0.893 32 76,504 1.756	
10 61,237 26,292 34,945 0.802		10 93,436 40,340 53,096 1.219		10 135,236 58,73 15 168,079 69,60		
15 75,697 31,161 44,536 1.022 20 86,411 36,030 50,381 1.157		15 116,268 47,811 68,457 1.572		20 192,726 80,4	35 112,241 2.577	
20 86,411 36,030 50,381 1.157 25 94,841 40,899 53,942 1.238		20 133,480 55,281 78,199 1.795		25 212,221 91,30	51 120,860 2.775	
30 101,866 45,768 56,098 1.288		25 147,238 62,752 84,486 1.940 30 158,420 70,222 88,198 2.025		30 228,672 102,2	37 126,435 2.903	
35 107,779 50,637 57,142 1.312		35 168,431 77,692 90,738 2.083		35 242,606 113,1 40 254,783 123,99		
40 112,872 55,506 57,367 1.317		40 176,568 85,163 91,405 2.098		40 254,783 123,99 50 275,741 145,74		
50 121,771 65,243 56,528 1.298 60 128,562 74,981 53,581 1.230		50 190,853 100,104 90,749 2.083		60 292,953 167,49	95 125,458 2.880	
120 155,961 133,408 22,553 0.518		60 203,030 115,044 87,985 2.020 120 248,694 204,689 44,005 1.010		120 359,693 298,0		
		,,,,,,,,,,,,				

Weighted Runoff Co	pefficient Calculation - Ex	isting Con	ditions
Total Area		24.41	(A)
Area with C=0.30		15.77	(G)
Impervious Area Runoff Co	efficient	0.30	(H)
Area with C=0.55		8.64	(I)
Single-Family Area Runoff	Coefficient	0.55	(J)
Existing Runoff Coefficient	$\frac{\left(G \times H\right) + \left(I \times J\right)}{(A)}$	0.39	

Weighted Runoff Coefficient Calculation - Propo	sed Conditions
Total Area	36.82
Area with C=0.30	13.22
Impervious Area Runoff Coefficient	0.30
Area with C=0.55	13.27
Single-Family Area Runoff Coefficient	0.55
Area with C=0.80	10.33
Multi-Family Area Runoff Coefficient	0.80
Proposed Runoff Coefficient	0.53

Available Stora	ige							
			Cumulative	Discharge				
Elevation	Area	Volume	Volume	Rate				
(ft)	(sf)	(cf)	(cf)	(cfs)				
648.30	189		-	-				
649.00	14,009	3,272	3,272	-				
650.00	24,879	16,661	19,933	-				
651.00	37,188	28,156	48,089	-				
651.24	38,166	9,280	57,369	32.46	1-YR			
652.00	43,568	31,089	88,458	-				
652.16	44,368	2,952	91,410	49.80	10-YR			
652.93	48,562	39,393	130,803	72.51	100-YR			
Outlet Calculat	ions:							
		Area 1	Area 2	Area 3	h1	h2	h3	Qpipe release
Design	С	(sf)	(sf)	(sf)	(ft)	(ft)	(ft)	(cfs)
1-Yr	0.6	4.84	-	-	1.94	-	-	32.46
10-Yr	0.6	4.84	2.25	-	2.86	0.92	-	49.80
100-Yr	0.6	4.84	2.25	3.35	3.63	1.66	0.77	72.51
Weir Calculation	ons:							
	$c_{\rm PE)} = C_{\rm SW} L H^{1.5};$	C _{SW=} 3.33	Q _{CAP(100-YR)} =	106.80	cfs	=Emergency Overflow	I	

Carrillo Engineering, LLC PRELIMINARY

NOT FOR CONSTRUCTION

THIS DRAWING IS

SUBMITTED FOR REVIEW

PURPOSES ONLY. IT IS

NOT INTENDED FOR

PERMITTING OR BIDDING

ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350 **DETENTION CALCULATIONS** Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN

Drawn By: LJM

Checked By: AA

C4.01

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FROM		PIPE			NUIVEE					111-4	11111-V= \(\tau \)	(1_7	()_100	INIET	\cap	PIPF				m, -,				U L L J	4F('iii	I()N>		1 171	SIGNIT	(C:
	то	LENGTH		TOTAL	"C"			T TRAVE	NTRATION L TOTAL		100-YEAR INTENSITY	Q-10 RUNOFF		BYPASS		PIPE Box C	Culvert	n	Sf	U/S [o/s v	1(IN) V2(D LOSS CA			/1 ² /2g I		SIGN T	
		FEET	(ac)	AREA (ac)			MI		MIN	IN/HR	IN/HR	CFS	CFS	CFS	CFS		FT			ELEV EI				T F		· •	5	6	FT F	
1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18 18	8a	19	20	22		23 2	24 2	25 20	6 2	27	28 2	29	30 3	1 32
ORM DRAIN LINE A STA 4+22.64 STORM LINE A	STA 3+23.27 STORM LINE A																													
PROP 5' CURB INLET	PROP 12" 45° BEND	79.62 79.62	0.26	0.26	0.80	0.21 ().21 10.	0.4	10.4	7.98	11.5	1.7	2.4		2.4	12 -	-	0.012 0.0	0039 6	55.61 65	5.30 3	3.10 3.	.06 0.	15 0.1	15 1.	.25 0	0.19 0	.18 6	55.79 664	1.49
STA 3+23.27 STORM LINE A PROP 12" 45° BEND	STA 1+66.74 STORM LINE A PROP 18"X12" WYE	172.16 172.16	0.63	0.89	0.00	0.00).21 10.	1.0	11.4	7.85	11.4	1.6	2.4		2.4	12 -	-	0.012 0.0	0037 6	55.20 65	4.56	3.06	.01 0.	15 0.1	14 0.	.35 0	.05 0	.10 6	55.30	CONNECTION TO LAT A3
STA 1+66.74 STORM LINE A	STA 0+76.26 STORM LINE A	90.48 90.48	0.77	1.66	0.80	0.62 (0.82 11.	1 0.3	11.7	7.57	10.9	6.2	9.0		9.0	18 -		0.012 0.0	0063 6	54 26 65	3 60 3	3.01 5	.10 0.	14 0.4	10 0	.75 0	.11 0	.30 6	54 56	
PROP 18"X12" WYE STA 0+76.26 STORM LINE A	PROP 18" 45° BEND STA 0+00 STORM LINE A	30.40	0.77	1.00	0.00			0.5	11.7	7.07	10.5	0.2	3.0			 		0.012 0.0	0.000	04.20	0.00	5.01	0.	14 0					74.50	
PROP 18" 45° BEND	PROP 18" TXDOT SET	76.26 76.26	0.63	2.29	0.00	0.00).82 11.	0.3	11.9	7.48	10.8	6.2	8.9		8.9	18 -	-	0.012 0.0	0061 6	53.44 65	2.97 5	5.10 5	.04 0.	40 0.4	10 0.	.35 0	0.14 0	.25 6	53.69	
DRM DRAIN LAT A2 TA 0+38.14 STORM DRAIN LAT A2	STA 0+00 LAT A2																													
PROP 10' CURB INLET	PROP 18"X12" WYE	38 38.00	0.31	0.31	0.80	0.25).25 10.	0.2	10.2	7.98	11.5	2.0	2.9		2.9	12 -	-	0.012 0.0	0055 6	55.59 65	5.38 2	2.80 3.	.65 0.	12 0.2	21 1.	.25 0	0.15 0	.26 6	55.84 662	2.70
ORM DRAIN LAT A3 STA 1+14.78 STORM LINE LAT A3	STA 0+76.64 STORM LINE LAT A3 12"																													
PROP 10' CURB INLET	45° BEND	38.14 38.14	0.23	0.23	0.80	0.18).18 10.	0.2	10.2	7.98	11.5	1.5	2.1		2.1	12 -	-	0.012 0.0	0030 6	56.40 65	6.29 2	2.90 2.	.71 0.	13 0.1	11 1.	.25 0	.16 0	.14 6	56.55 662	2.96
A 0+76.64 STORM LINE LAT A3 12" 45° BEND	STA 0+20.36 STORM LINE LAT A3 18"X12" WYE	56.28 56.28	0.00	0.23	0.00	0.00).18 10.	0.3	10.6	7.91	11.5	1.5	2.1		2.1	12 -	-	0.012 0.0	0030 6	56.19 65	6.02 2	2.71 2.	.68 0.	11 0.1	11 0.	.35 0	.04 0	.10 6	56.29	
STA 0+20.36 STORM LINE LAT A3	STA 0+4.64 STORM LINE LAT A3	15.72 15.72	0.23	0.46	0.80	0.18).37 10.	6 0.0	10.6	7.81	11.3	2.9	4.2		4.2	12 -	-	0.012 0.0	0116 6	55.67 65	5.49 2	2.68 5.	.30 0.	11 0.4	14 0	.75 C	.08 0	.35 6	56.02	CONNECTION TO LAT A4
18"X12" WYE STA 0+4.64 STORM LINE LAT A3	18"X12" WYE STA 0+2.46 STORM LINE LAT A3	2.17 2.17	0.31	0.77	0.80	0.25	0.62 10.	6 0.0	10.6	7.78	11.3	4.8	6.9		6.9	18 -		0.012 0.0	0027 6	55 39 65	5 27 5	5.30 3.	.93 0.	44 0.2	24 0	.30 0	.13 0	.11 6	55.40	CONNECTION TO LAT A2
18"X12" WYE STA 0+2.46 STORM LINE LAT A3	18" 45° BEND STA 0+00 STORM LINE LAT A3	2.17										4.0				+ -	_													
18" 45° BEND	18"X18" WYE	2.46 2.46	0.00	0.77	0.00	0.00).62 10.	0.0	10.7	7.78	11.3	4.8	6.9		6.9	18 -	-	0.012 0.0	0037 6	55.21 65	5.20 3	3.93	.93 0.	24 0.2	24 0.	.35 0	.08 0	.16 6	55.37	CONNECTION TO SD A
ORM DRAIN LAT A4 STA 0+24.04 STORM LINE LAT A4	STA 0+00 STORM LINE LAT A4	0.4	2.55	2.25	2.25	0.45) 46 · · · ·		4.5				<u> </u>		2 :	10		0.043	2000		5.07	. 50	74	10 -		0.5	46		-5.00	,,,,,
PROP 10' CURB INLET	18"X12" WYE	24 24.00	0.23	0.23	0.80	0.18).18 10.	0.1	10.1	7.98	11.5	1.5	2.1		2.1	12 -	-	0.012 0.0	UU30 6	55.74 65	5.67 2	2.50 2.	.71 0.	10 0.1	11 1.	.25 0	.12 0	.14 6	55.88 657	7.15
ORM DRAIN LINE B STA 0+20.48 STORM LINE B	STA 0+00 STORM LINE B	20.48 20.48	2.52	2.52	0.00	2.02 2	2.02 10.	0.0	10.0	8.0	11 5	16.1	23.3		23.3	24		0.012 0.0	2000	53 1E 05	2 07	3 20 7	.41 0.	16 0.8	25 4	.25 0	.20 1	07 0	54.22 654	1 15
PROP 10' CURB INLET ORM DRAIN LINE C	PROP 24" TXDOT SET	20.40 20.48	2.52	2.52	0.80	2.02	2.02 10.	0.0	10.0	0.0	11.5	10.1	۷٥.٥		23.3	24		0.012 0.0	noan p;	00.10 65	2.91 3	j.∠∪ /	. -+ 1	10 0.8	1.	.20 0	7.ZU 1	.01 6	J+.∠∠ 05 ⁴	N. IU
STA 1+79.82 STORM LINE C	STA 1+44.94 STORM LINE C	34.88 34.88	2.52	2.52	0.55	1.39	1.39 10.	0.1	10.1	7.98	11.5	11.1	16.0		16.0	18 -	_	0.012 0.0	0198 6	56.38 65	5.69	240 0	.06 0.	09 1.2	7 1	.25 0	.11 1	.59 6	57.97 650	0.10 TOP OF BERM
4'X4' DROP INLET STA 1+44.94 STORM LINE C	18"X24" WYE STA 0+83.70 STORM LINE C PROP															1 -														
18"X24" WYE	24" 45° BEND	61.24 61.24	1.25	3.77	0.80	1.00 2	2.39 10.	0.1	10.2	7.98	11.5	19.0	27.6		27.6	24 -	-	0.012 0.0	0126 6	54.94 65	4.16 9	9.06 8.	.77 1.	27 1.1	19 0.	.35 0	.45 0	.75 6	55.69	CONNECTION TO LAT C2
0+83.70 STORM LINE C PROP 24" 45° BEND	STA 0+65.10 STORM LINE C 24" 45° BEND	18.60	0.00	3.77	0.00	0.00	2.39 10.	0.0	10.2	7.94	11.5	19.0	27.4		27.4	24 -	-	0.012 0.0	0125 6	53.40 65	3.16	8.77	.73 1.	19 1.1	18 0.	.35 0	.42 0	.77 6	54.16	
STA 0+65.10 STORM LINE C	STA 0+00 STORM LINE C	65.1 65.10	0.00	3.77	0.00	0.00 2	2.39 10.	2 0.3	10.5	7.91	11.5	18.9	27.3		27.3	36 -	_	0.012 0.0	0014 6	53.06 65	2.97 8	3.73 3	.87 1.	18 0.2	23 0.	.35 0	.41 0	.10 6	53.16	
24" 45° BEND RM DRAIN LAT C2	PROP 36" TXDOT SET																													
STA 0+20.48 STORM LINE LAT C2 PROP 4'X4' DROP INLET	STA 0+00 STORM LINELAT C2 36"X24" WYE	20.48 20.48	1.25	1.25	0.80	1.00	1.00 10.	0.1	10.1	7.98	11.5	8.0	11.5		11.5	24 -	-	0.012 0.0	0022 6	54.98 65	4.94 3	3.10 3	.68 0.	15 0.2	21 1.	.25 0	.19 0	.26 6	55.24 656	5.40 FFE OF LOT 3 AND 4
RM DRAIN LINE D																														
STA 4+38.98 STORM LINE D PROP 4'X4' DROP INLET	STA 3+97.83 STORM LINE D PROP 4'X4' DROP INLET	41.15 41.15	2.52	2.52	0.55	1.39	1.39 10.	0.1	10.1	8.0	11.5	11.1	16.0		16.0	18 -	-	0.012 0.0	0198 6	63.94 66	3.13	3.20 9	.06 0.	16 1.2	27 1.	.25 0	.20 1	.59 6	65.54 665	5.00 TOP OF BERM 665.00
STA 3+97.83 STORM LINE D	STA 3+05.01 STORM LINE D	92.82 92.82	2.32	2.32	0.60	1.38	1.38 10.	0.2	10.2	8.0	11.5	11.0	16.0		16.0	18 -	-	0.012 0.0	0197 6	62.18 66	0.35 3	3.20 9	.04 0.	16 1.2	27 0.	.75 0	.12 0	.95 6	63.13 665	5.00 TOP OF BERM 665.00
PROP 4'X4' DROP INLET STA 3+05.01 STORM LINE D	18" 45° BEND STA 2+70.21 STORM LINE D	24.0	0.00	2.52	0.00	0.00	1.20 40	0.1	40.4	0.0		44.4	40.0		16.0	40		0.042	0400 0	50.50	0.00	0.00	00 1	07 4.0	7 0	25 0	. 45	.83 6	20.25	
18" 45° BEND	24" 45° BEND	34.8 34.80	0.00	2.52	0.00	0.00	1.39 10.	0.1	10.1	8.0	11.5	11.1	16.0		16.0	18 -	-	0.012 0.0				9.06 9	.06 1.	27 1.2	27 0.	.35 0	.45 0	1.83 6	00.35	
STA 2+70.21 STORM LINE D 24" 45° BEND	STA 0+43.06 STORM LINE D 24" 45° BEND	227.15 227.15	1.72	4.24	0.71	1.22	2.60 10.	0.4	10.5	7.9	11.5	20.7	29.9		29.9	24 -	-	0.012 0.0	0149 6	57.87 65	4.47	9.06	.53 1.	27 1.4	11 0.	.35 0	0.45	.97 6	58.83	CONNECTION TO SD D2
STA 0+43.06 STORM LINE D 24" 45° BEND	STA 0+17.24 STORM LINE D 36" 45° BEND	25.82 25.82	0.00	4.24	0.00	0.00	2.60 10.	5 0.0	10.6	7.8	11.3	20.4	29.5		29.5	24 -	-	0.012 0.0	0144 6	53.60 65	3.23	9.53 9.	.37 1.	41 1.3	36 0.	.35 0	.49 0	.87 6	54.47	
STA 0+17.24 STORM LINE D	STA 0+9.16 STORM LINE D	8.08 8.08	0.00	4.24	0.00	0.00 2	2.60 10.	6 0.0	10.6	7.8	11.3	20.4	29.5		29.5	36 -	_	0.012 0.0	0017 6	53.13 65	3.12 9	0.37 4	.17 1.	36 0.2	27 0.	.35 0	.48 0	.10 6	53.23	CONNECTION TO SD D3
36" 45° BEND STA 0+9.16 STORM LINE D	36"X12" WYE STA 0+00 STORM LINE D															 														
36"X12" WYE	PROP 54" TXDOT SET	9.16 9.16	0.36	4.60	0.80	0.29	2.89 10.	0.0	10.6	7.8	11.3	22.5	32.6		32.6	36 -	-	0.012 0.0	JUZU 6	ე∠.ყყ 65 	2.91 4	1.17 4	.61 0.	27 0.3	33 0.	./5 0	.20 0	.13 6	აკ.12	
ORM DRAIN LAT D2 STA 0+41.12 STORM LINE LAT D2	STA 0+22.54 STORM LINE LAT D2	16.97 16.97	1.72	1.72	0.71	1.22	1.22 10.	0.0	10.0	8.0	11.5	9.7	14.1		14.1	18 -	_	0.012 0.0	0153	58 08 65	8 72	1.50 7	.96 0.	03 0.9	18	.25 1	.23 1	23 6	60.21 662	2 18
PROP 15' CURB INLET STA 0+22.54 STORM LINE LAT D2	18" 45° BEND STA 0+00 STORM LINE LAT D2															+	-													
18" 45° BEND	24"X18" WYE	13.8 13.80	0.00	1.72	0.00	0.00	1.22 10.	0.0	10.1	8.0	11.5	9.7	14.1		14.1	18 -	-	0.012 0.0	0153 6	58.08 65	7.87 7	7.96 7.	.96 0.	98 0.9	98 0.	.35 0	.34 0	.64 6	58.72	
RM DRAIN LAT D3 STA 0+54.80 STORM LINE LAT D3	STA 0+49.70 STORM LINE LAT D3		2.55	2.25	0.00	0.00	000		45.	2.5		2.5						0.045	2000	50.01	0.01	. 50	20	00 -		0.5	0.4	16	-0.44	
PROP 10' CURB INLET	24" 45° BEND	5.1 5.10	0.36	0.36	0.80	0.29).29 10.	0.1	10.1	8.0	11.5	2.3	3.3		3.3	24 -	-	0.012 0.0	JUU2 6	53.34 65	3.34 1	1.50 1	.06 0.	03 0.0)2 1.	.25 0	.04 0	.10 6	53.44 656	D.6U
TA 0+49.70 STORM LINE LAT D3 24" 45° BEND	STA 0+10.22 STORM LINE LAT D3 24" 45° BEND	39.48 39.48	0.00	0.36	0.00	0.00).29 10.	0.6	10.7	8.0	11.5	2.3	3.3		3.3	24 -	-	0.012 0.0	0002 6	53.24 65	3.23 1	1.06	.06 0.	0.0	02 0	.35 0	.01 0	.10 6	53.34	
TA 0+10.22 STORM LINE LAT D3	STA 0+00 STORM LINE LAT D3	10.22 10.22	0.00	0.36	0.00	0.00).29 10.	7 0.2	10.9	7.8	11.2	2.2	3.2		3.2	24 -	_	0.012 0.0	0002 6	53.13 65	3.13 1	1.06 1.	.03 0.	02 0.0	02 0.	.35 0	.01 0	.10 6	53.23	CONNECTION TO SD D
24" 45° BEND RM DRAIN LINE I	36"X24" WYE			-	-															-				-		- 		+		
STA 2+98.98 STORM LINE I	STA 2+33.39 STORM LINE I	65.59 65.59	0.63	0.63	0.55	0.35).35 10.	0.2	10.2	8.0	11.5	2.8	4.0		67.0	5	3	0.013 0.0	0017 6	53.08 65	2.97 2	2.50 4	.47 0.	10 0.3	31 1.	.25 0	.12 0	.39 6	53.47 652	2.97 Q100 RELEASE DISCHARGE
5'X3' SET STA 2+33.39 STORM LINE I	5'X3' 45° BEND STA 0+46.61 STORM LINE I	186.78 186.78	0.00	0.63			0.35 10.) 11.0		7.9		2.7	4.0		4.0	5	2	0.013 0.0	2000 6	48.00 64	8 00 4	1.47 0		31 0.0				.10 6		
5'X3' 45° BEND STA 0+46.61 STORM LINE I	5'X3' 45° BEND STA 0+36.27 STORM LINE I			0.03							11.5				4.0) o	3													
5'X3' 45° BEND	CONNECT TO 20' CURB INLET	10.34 10.34	0.32	0.95	0.55	0.17).52 22.	0.6	22.7	5.4	7.8	2.8	4.1		4.1	5	3	0.013 0.0	0000 64	48.80 64	8.80	0.26 0	.27 0.	0.0	00 0	.35 0	.00 0	.10 6	48.90	
STA 0+36.27 STORM LINE I CONNECT TO 20' CURB INLET	STA 0+00 STORM LINE I CONNECT TO 20' CURB INLET	36.27 36.27	0.32	1.26	0.55	0.17	0.69 22.	7 1.7	24.4	5.3	7.7	3.7	5.3		5.3	5	3	0.013 0.0	0000 6	48.70 64	8.70	0.27	.36 0.	0.0	00 0	.50 0	.00 0	.10 6	48.80 648	3.83 WALLIS DRIVE SUMP
DRM DRAIN LINE H																														
STA 0+64.85 STORM LINE H	STA 0+00 STORM LINE H	64.85 64.85	0.63	0.63	0.55	0.35).35 10.	0.8	10.8	8.0	11.5	2.8	4.0		4.0	24 -	-	0.012 0.0	0003 6	52.99 65	2.97 2	2.50 1.	.27 0.	10 0.0	03 1.	.25 0	.12 0	.10 6	53.09 654	1.00 TOF OF BERM

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TX. REG. NO. 97350

RESTR

HYDRAULIC CALCULATIONS

Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN Drawn By: LJM

Checked By: AA

Sheet C4.02

Scale: AS SHOWN

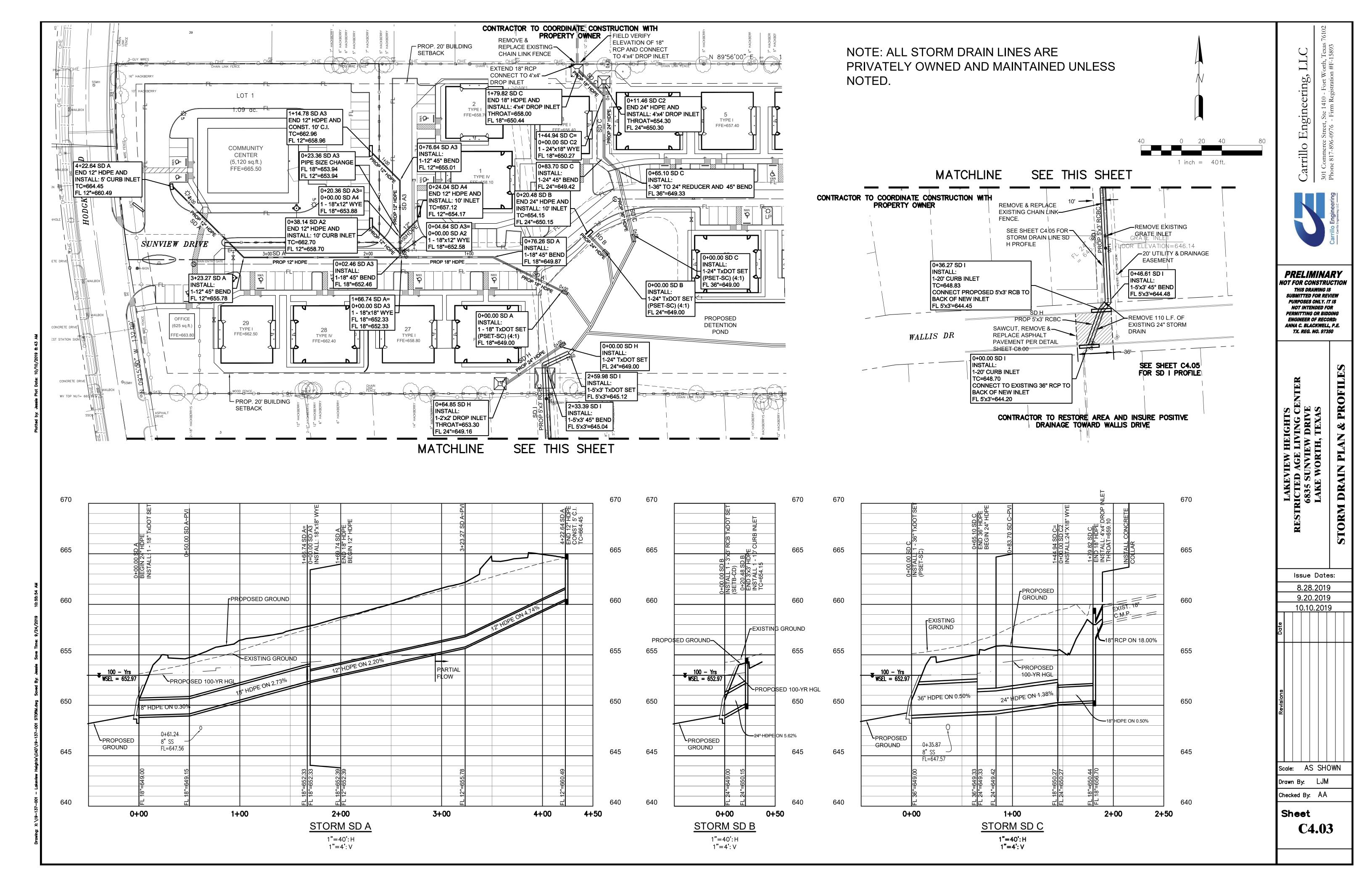
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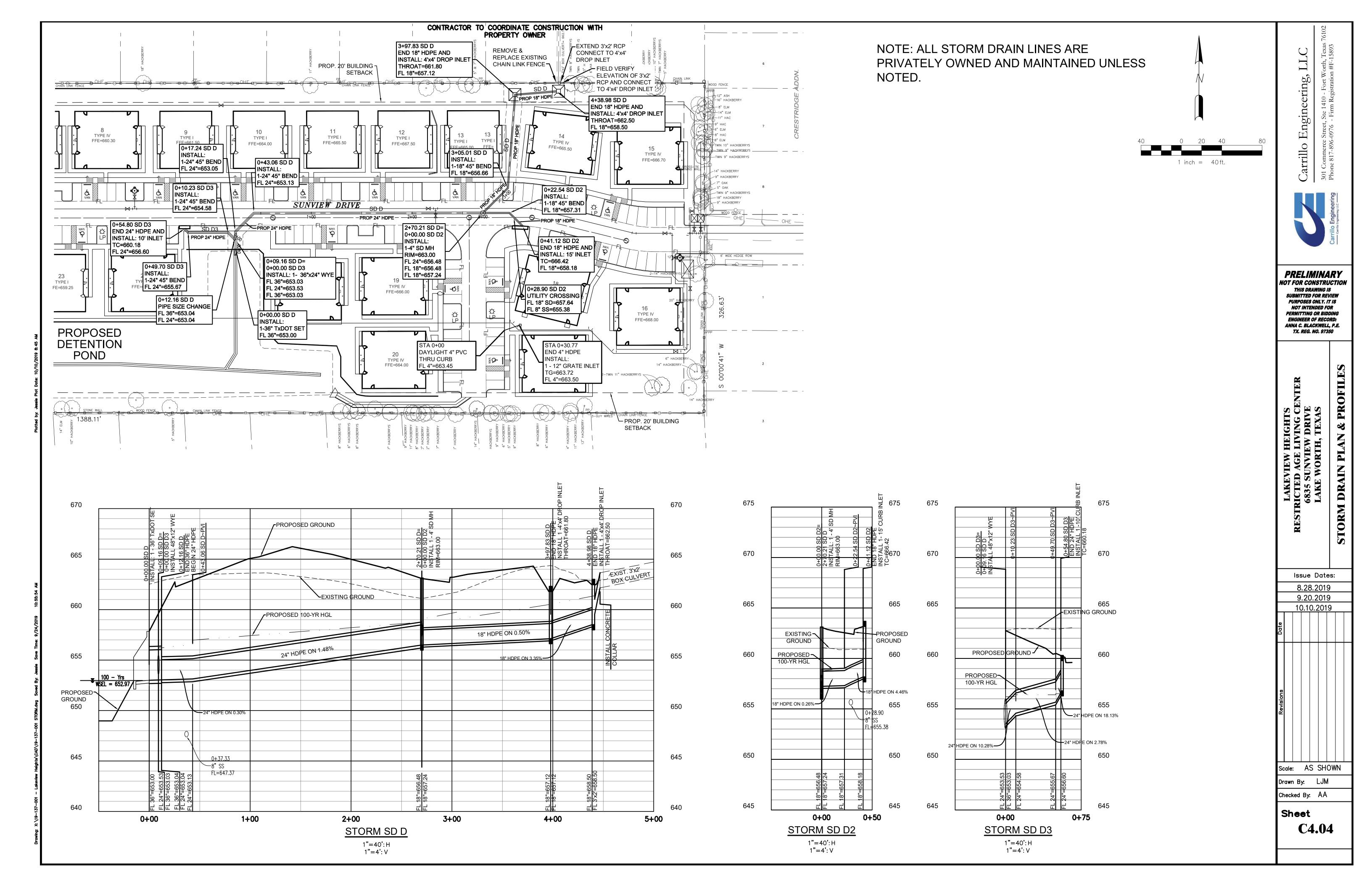
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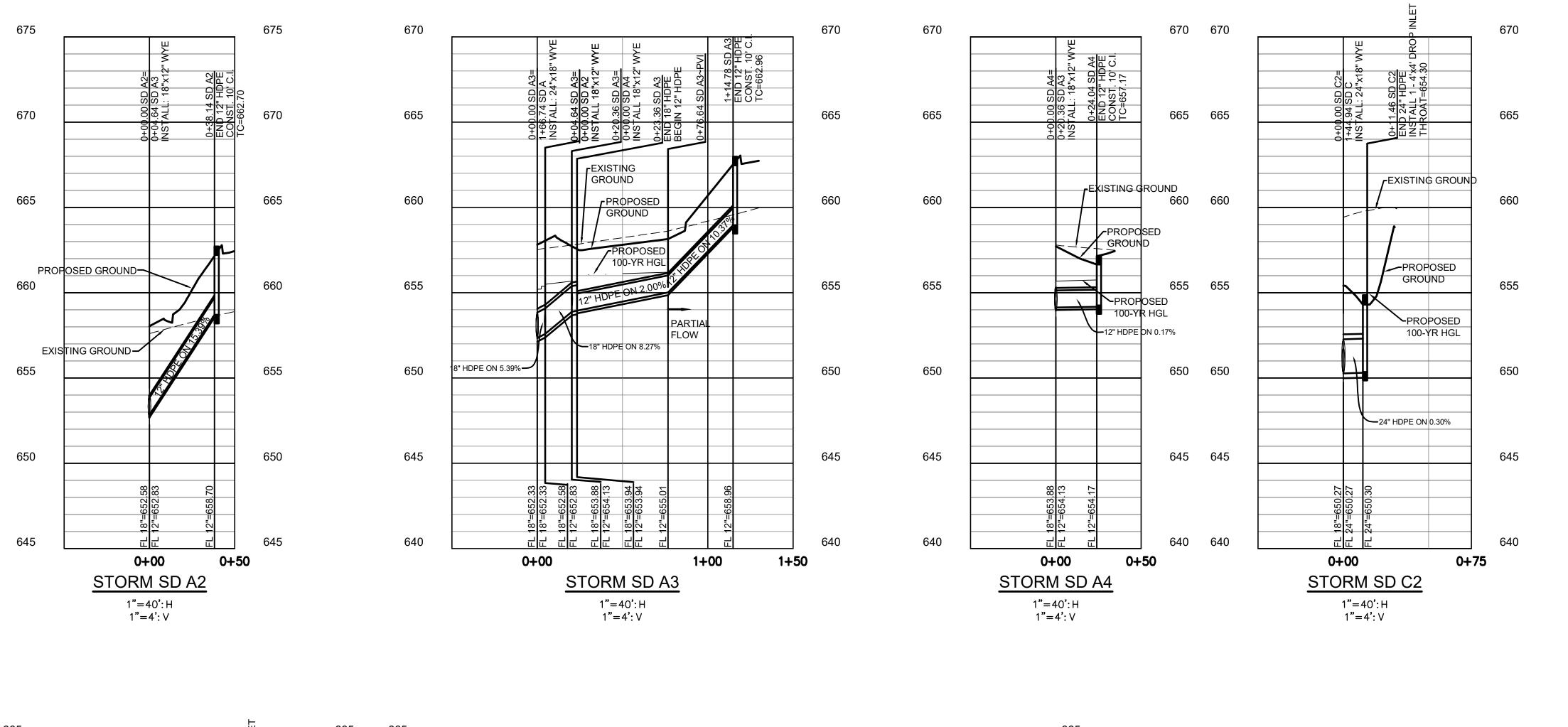
ON-GRADI	E INLET CAL	<u>CULATION</u>	N TABLE																								
	DRAINA	GE AREA		STREET	PAVEMENT	PAVEMENT	MANNING'S	10-YEAR	10-YEAR	10-YEAR	10-YEAR	100-YEAR	100-YEAR	100-YEAR	100-YEAR	DESIGN	DEPTH	SPREAD OF	PICKUP	LENGTH	LENGTH	L/Lo	Q/Qo	INLET	10-YEAR	100-YEAR	
AREA NO.	AREA	RUNOFF	CONC. TIME	LONG SLOPE	WIDTH	SLOPE	COEFFICIENT	INTENSITY	RUNOFF	CARRYOVER	TOTAL	INTENSITY	RUNOFF	CARRYOVER	TOTAL	STORM	OF FLOW	/ FLOW	PER FOOT	REQUIRED	PROVIDED			САРАСПҮ	CARRYOVER	CARRYOVER	
		С		So			FOR PAVEMENT			FLOW	GUTTER			FLOW	GUTTER Q		Yo	Sp	Qo/Lo	Lo	LENGTH				FLOW	FLOW	COMMENTS
							"n"				FLOW									100-YR					"q"	"q"	
	(ACRES)		(MIN)	(FT/FT)	(FT)	(%)		(IN/HR)	(CFS)	(CFS)	(CFS)	(IN/HR)	(CFS)	(CFS)	(CFS)		(FT)	(FT)	(CFS/FT)	(FT)	(FT)			(CFS)	(CFS)	(CFS)	
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	
A1	0.26	0.80	10	0.0388	24	0.0345	0.013	7.98	1.66	0.0	1.7	11.55	2.4		2.4	100-YEAR	0.1766	0.4	0.63	14	5	0.53	1	2.4	0.0	0.0	10' CURB INLET
A2	0.31	0.80	10	0.0137	44	0.0386	0.013	7.98	1.98	0.0	2.0	11.55	2.9		2.9	100-YEAR	0.2391	0.7	0.69	12	10	1.00	1	2.9	0.0	0.0	10' CURB INLET
A3	0.23	0.80	10	0.0154	60	0.0355	0.013	7.98	1.47	0.0	1.5	11.55	2.1		2.1	100-YEAR	0.2027	0.4	0.65	10	10	1.00	1	2.1	0.0	0.0	10' CURB INLET
A4	0.23	0.80	10	0.015	24	0.0329	0.013	7.98	1.47	0.0	1.5	11.55	2.1		2.1	100-YEAR	0.1980	0.4	0.65	11	10	1.00	1	2.1	0.0	0.0	10' CURB INLET
	•		•		•	•	•	-	·	· ·	- · · · · · · · · · · · · · · · · · · ·	•	•	•	· ·	•	-	•	•	•	•	· · · · · · · · · · · · · · · · · · ·	•	·	·	·	-

INI ET	GUTTER	CROWN	AREA	RUNOFF	TIME OF	DESIGN	100-YEAR	DΕΔΚ	CARRY	GUTER	DEPTH	DEPTH OF	DEPTH OF	CAPACITY	LENGTH OF	CAPACITY	CARRY-	PERCENT	NOTES
NLL I			AILA																NOTES
NO.	SLOPE	SLOPE		COEFF.	CONCEN.	FREQUENCY	INTENSITY	FLOW	OVER	FLOW	OF	DEPRESSION	FLOW AT	OF INLET	INLET	OF INLET	OVER INTO	Q_{100}	
	So	OF PVM'T		С						Qo	GUTTER	"a"	OPENING	PER FOOT	OPENING L	Q	OVER	CAPTURED BY	
		Fo									FLOW		Υ	OF LENGTH	OR P		FLOW	INLET	
											Yo			Q/L					
	(FT/FT)	(FT/FT)	(ACRES)		(MIN)	(YR)	(IN/HR)	(CFS)	(CFS)	(CFS)	(FT)	(FT)	(FT)	(CFS/FT)	(FT)	(CFS)	(CFS)	(%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
B1	0.0131	0.0365	2.52	8.0	10	100	11.55	23.3		23.3	0.56	0.416	0.9751	2.89	10	28.89	0.00	100.00%	10' CURB INLET
D3	0.013	0.0355	0.36	0.8	10	100	11.55	3.3		3.3	0.27	0.416	0.6831	1.69	16	27.10	0.00	100.00%	10' CURB INLET
OS10	0.0379	0.02	6.25	0.55	15	100	9.57	32.9		32.9	0.42	0.416	0.8322	2.28	20	45.55	0.00	100.00%	2-10' CURB INLETS ON WALLIS DRI

	Inlet	Drainage A	reas		Conc.	2-year	2-year	2-year Depth	10-year	10-year	10-year Depth	100-year	100-year	100-year Depth	Allowabl	100-year	
		Area	Area	Runoff	Time	Intensity	Runoff	(Y ₂)	Intensity	Runoff	(Y ₁₀)	Intensity	Runoff	(Y ₁₀₀)	e Depth	HGL	DESCRIPTION
nlet No.	Station	No.	(AC)	С	(MIN)	(IN/HR)	(CFS)	(ft)	(IN/HR)	(CFS)	(FT)	(IN/HR)	(CFS)	(FT)	(FT)	(FT)	
1	2	3	4	5	6	8	9	10	7	8	9	10	11	12	13	14	15
C1	STA 1+79.82 SD C	OS-1 OS-3 OS-7	16.83	0.55	20	3.69	34.16	0.80	5.70	52.76	1.07	8.23	76.17	1.36	2.20	656.38	4'X4' DROP INLET CITY STANDARD
C2	STA 0+11.46 SD C	C1	1.25	0.80	15	4.31	4.31	0.20	6.62	6.62	0.27	9.57	9.57	0.34	1.50	663.69	4'X4' DROP INLET CITY STANDARD
D1	STA 4+38.98 SD D	OS-2 OS-4 OS-5 OS-8	9.32	0.55	20	3.69	18.91	0.54	5.70	29.22	0.72	8.23	42.18	0.92	2.00	664.19	4'X4' DROP INLET CITY STANDARD
D2	STA 3+97.83 SD D	D1	0.43	0.80	15	5.23	1.80	0.11	7.98	2.74	0.15	11.55	3.97	0.19	1.70	663.69	4'X4' DROP INLET CITY STANDARD
<u> </u>	STA 0+54.85 SD I	H1	0.58	0.80	15	5.23	2.43	0.34	7.98	3.70	0.46	11.55	5.36	0.58	0.70	652.99	2'X2' DROP INLET CITY STANDARD







665 665 665 665 660 660 660 PROPOSED-GROUND PROPOSED 100-YR HGL 655 655 655 655 PROPOSED GROUND EXISTING GROUND $\frac{100 - Yrs}{WSEL = 652.97}$ 100 - Yrs WSEL = 652.97 EXISTING GROUND PROPOSED 100-YR HGL 650 650 650 650 5'x3' RCB ON 0.30% EXIST. 36" SD @ 2.66% 645 645 5'X3' RCB ON 0.69% 640 640 635 635 635 1+00 1+00 2+00 0+00 0+00 3+00 STORM SD I STORM SD H 1"=40': H 1"=4': V 1"=40': H 1"=4': V

NOTE: ALL STORM DRAIN LINES ARE PRIVATELY OWNED AND MAINTAINED UNLESS NOTED.

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301 Commerce Street, Ste 1410 - Fort Worth, Texas 70
Dhone 817 806, 0076, Firm Registration #F1 15803



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ESTRICTED AGE LIVING CENTE 6835 SUNVIEW DRIVE LAKE WORTH, TEXAS STORM DRAIN PROFILES

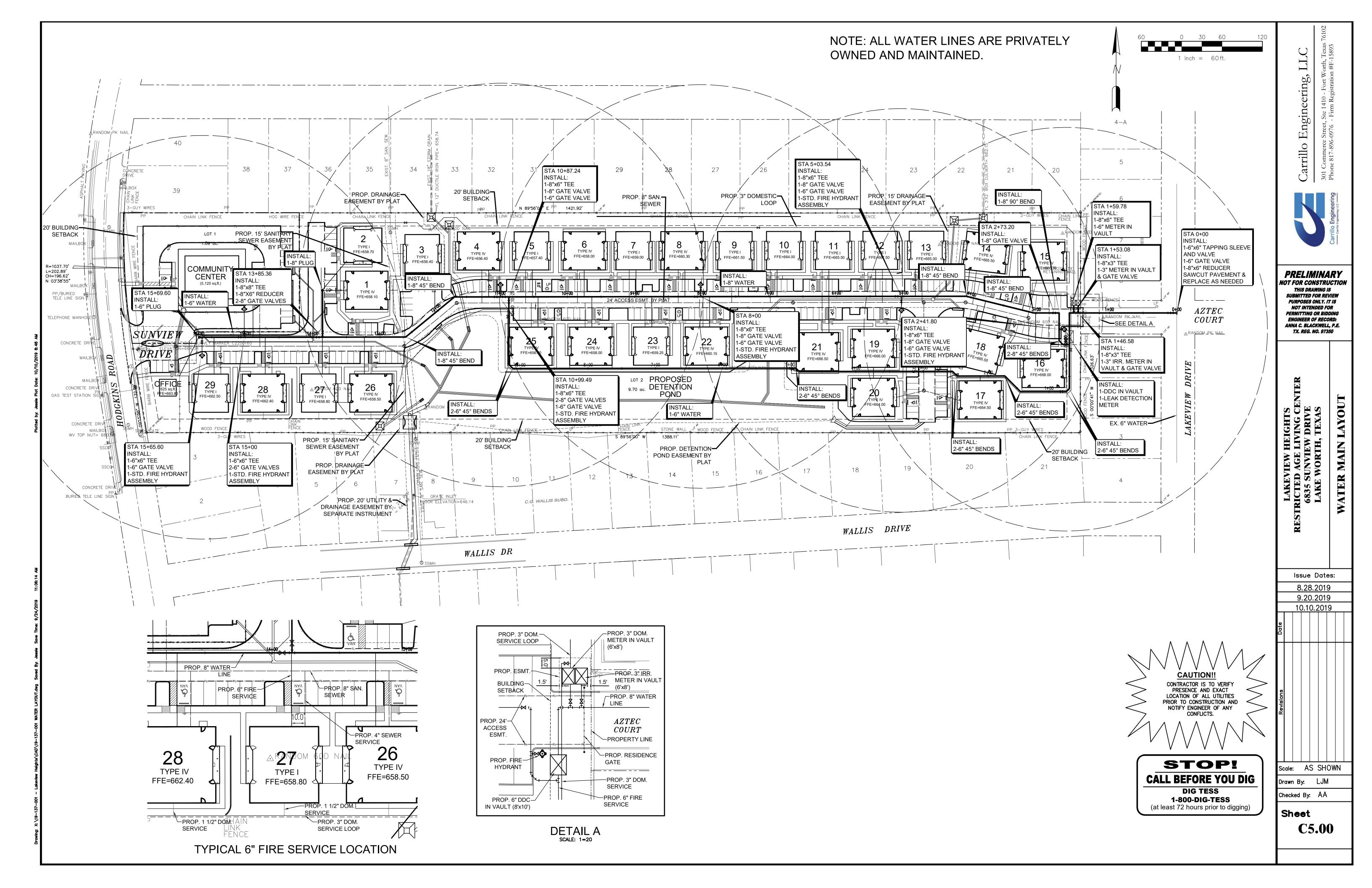
| Issue Dates: | 8.28.2019 | 9.20.2019 | 10.10.2019

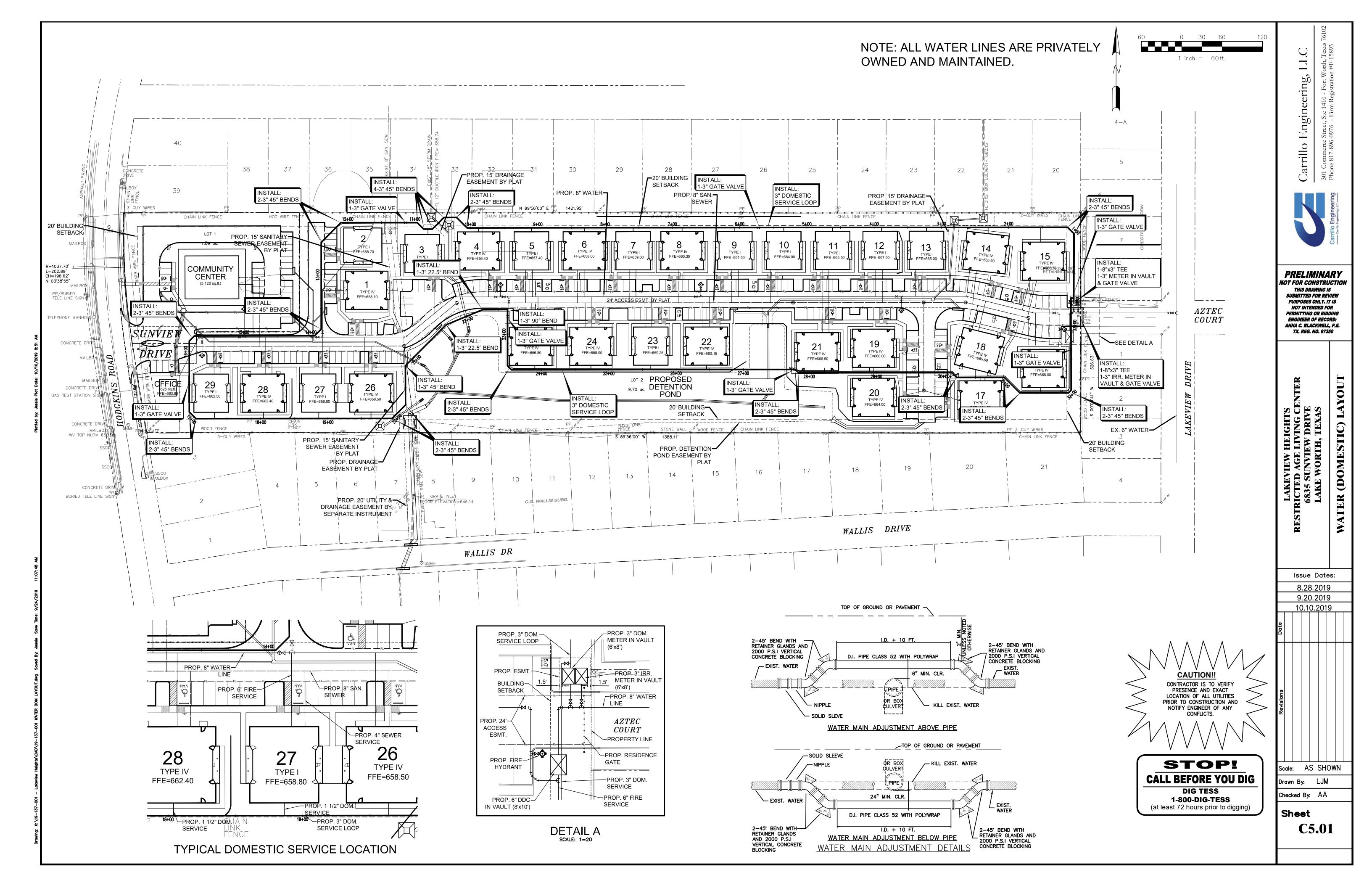
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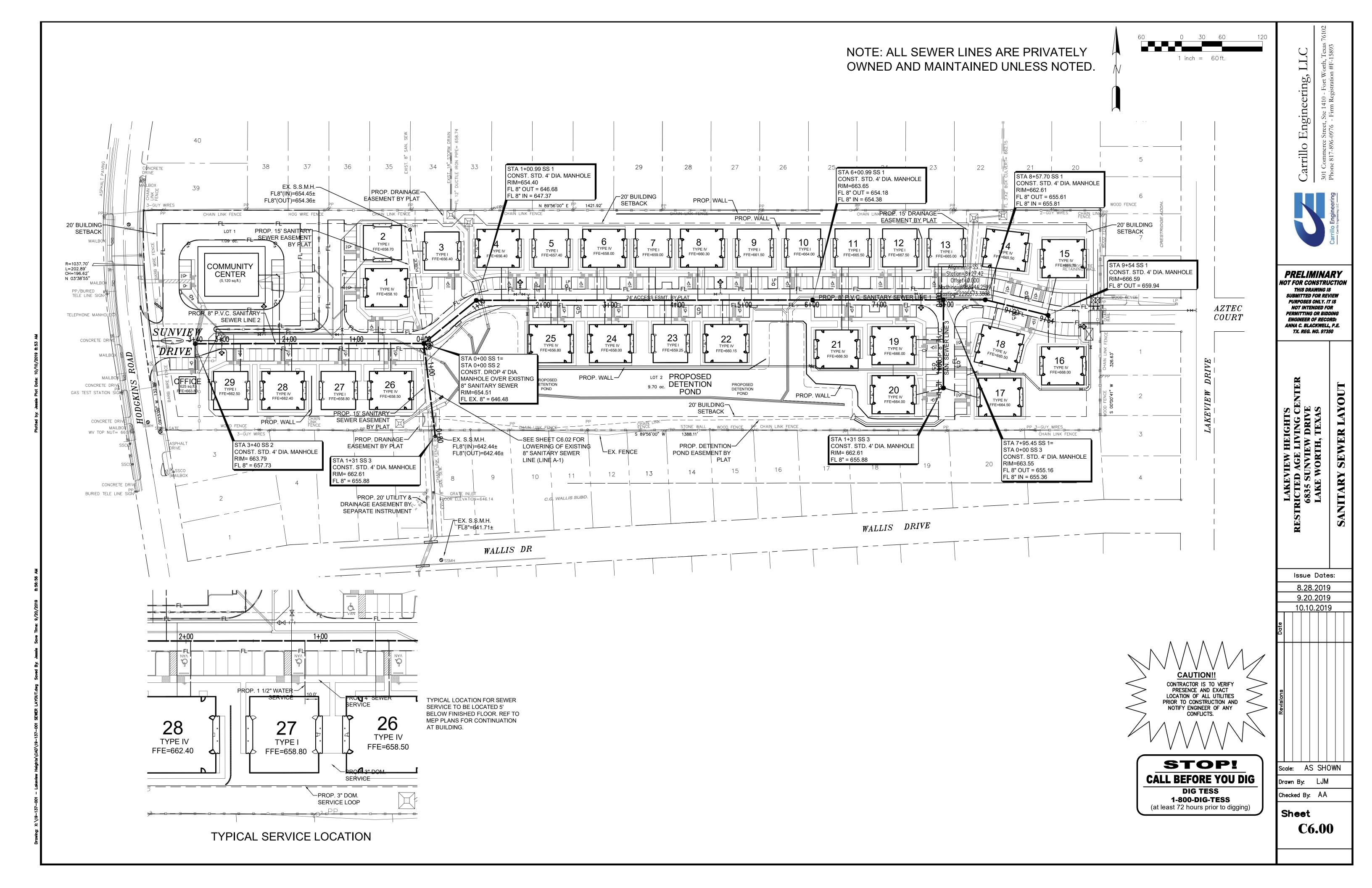
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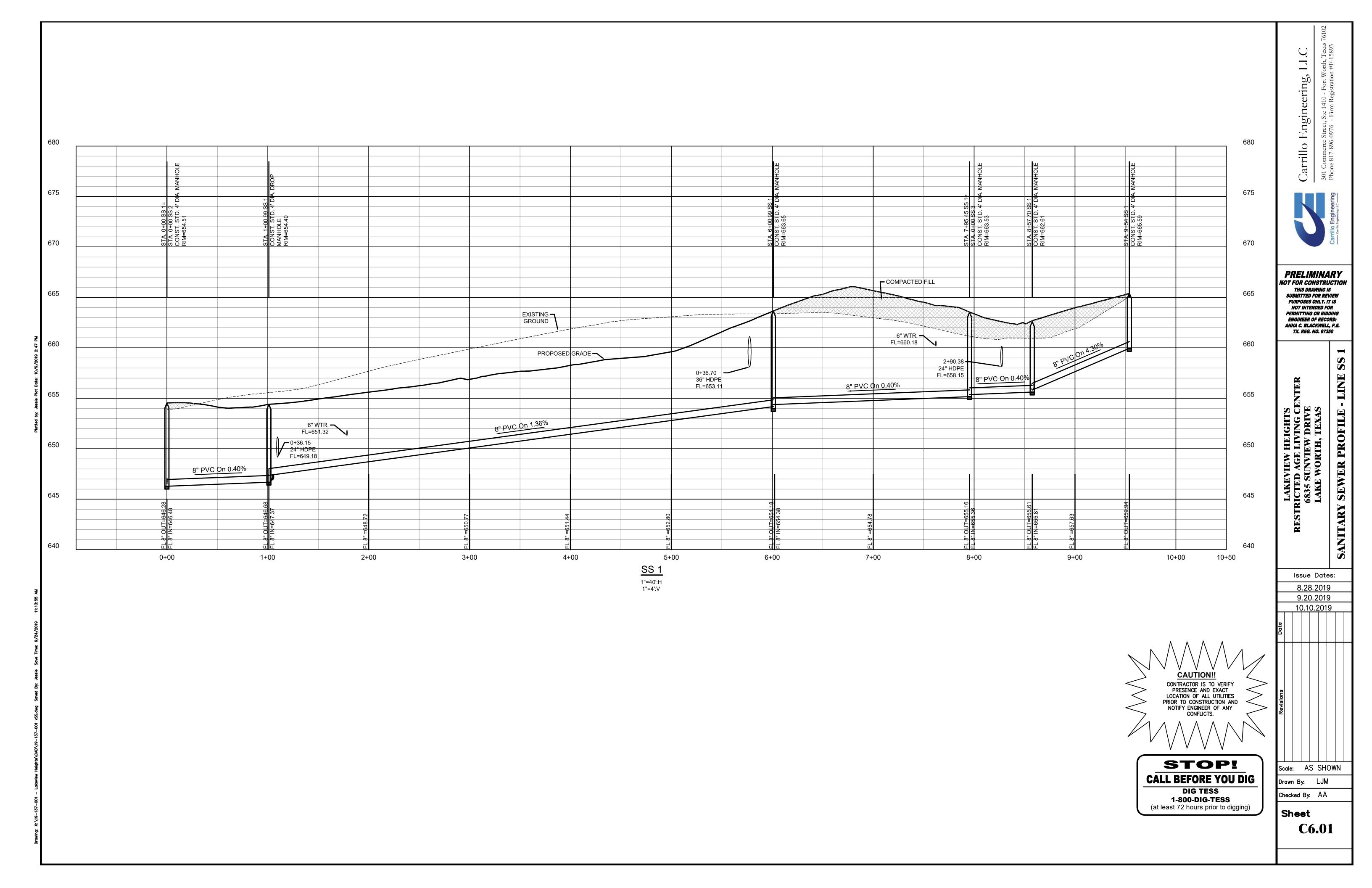
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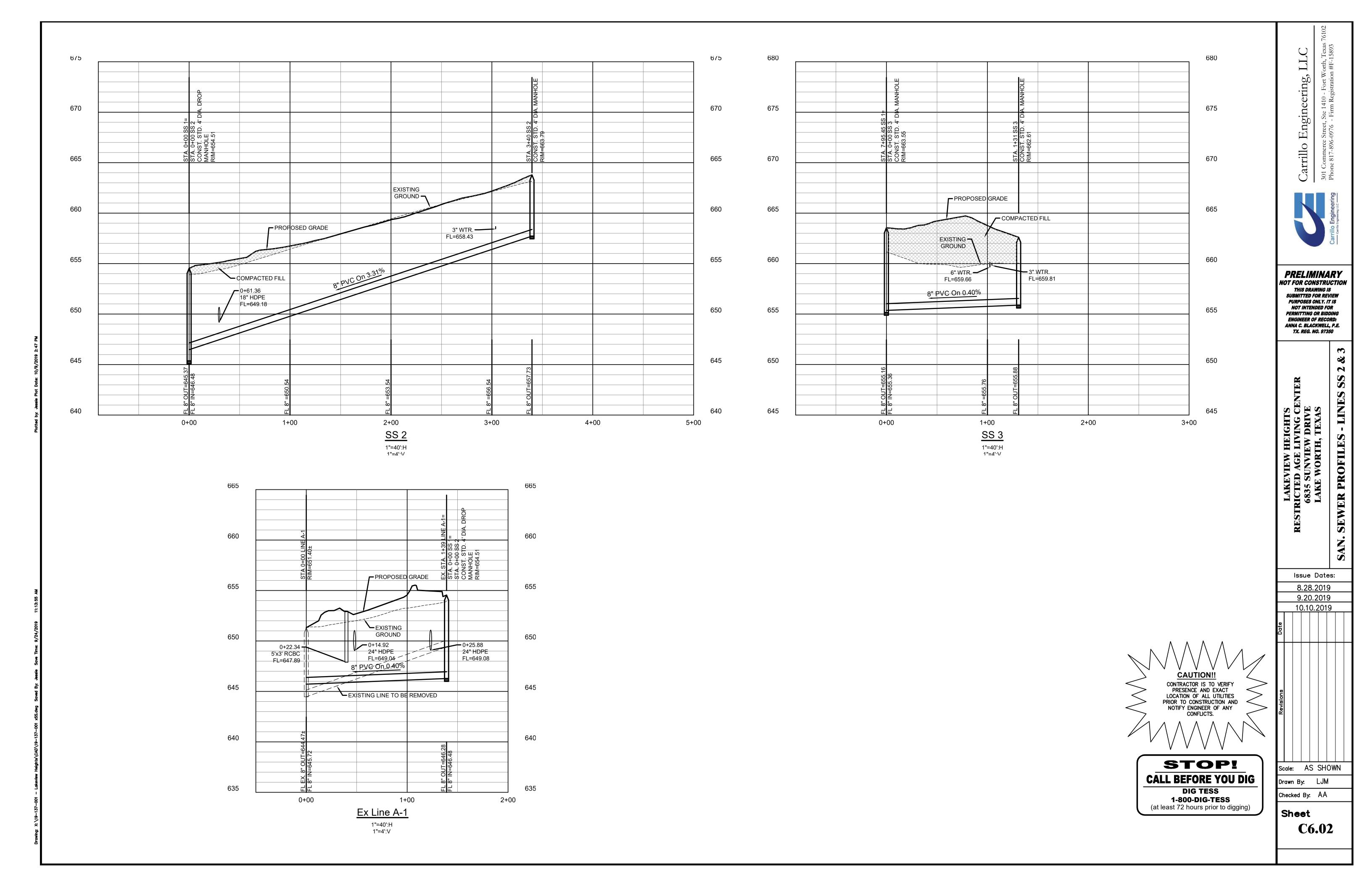
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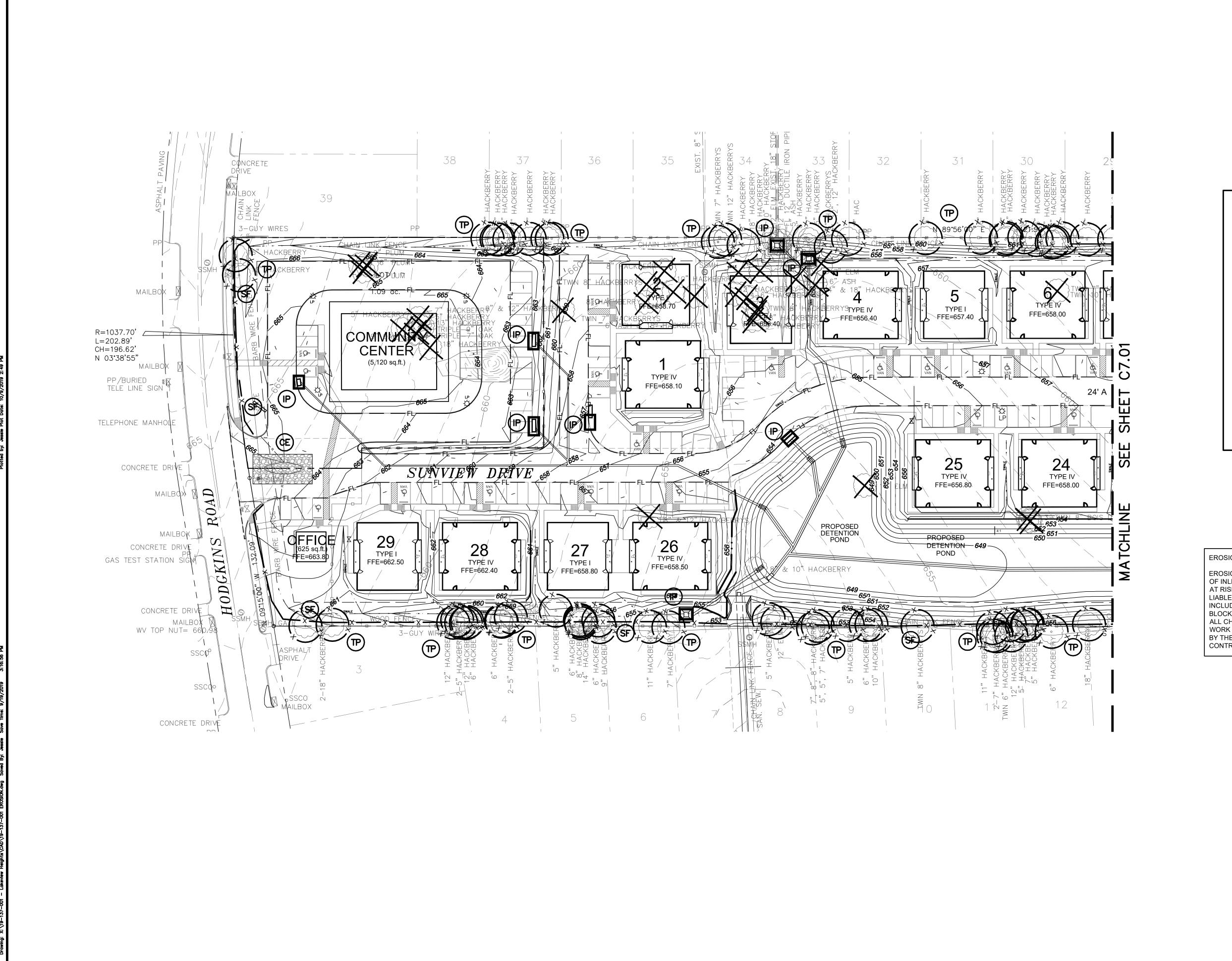


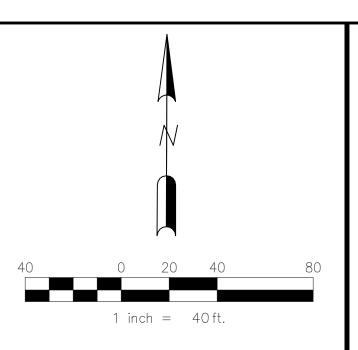


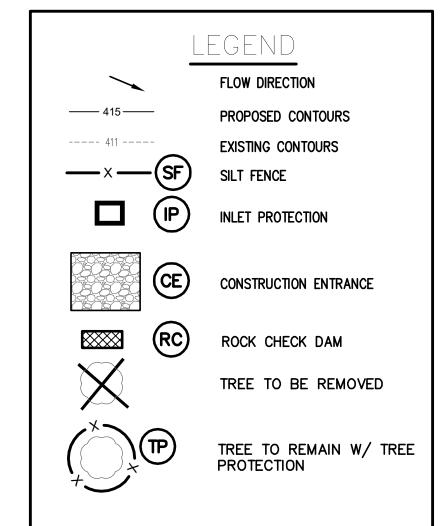








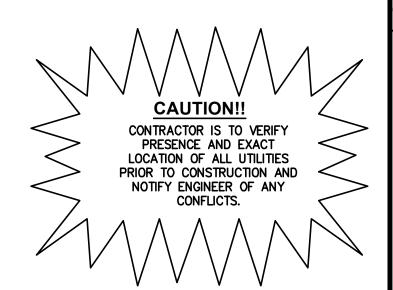




DRAINAGE IMPROVEMENTS SUFFICIENT TO MITIGATE THE IMPACT OF CONSTRUCTION SHALL BE INSTALLED PRIOR TO ADDING IMPERVIOUS COVER.

EROSION CONTROL GENERAL NOTE:

EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, IN CHANNELS, DRAINAGEWAYS OR BORROW DITCHES AT RISK OF CONTRACTOR. THE CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE CAUSED BY THE MEASURES, INCLUDING FLOODING DAMAGE, WHICH MAY OCCUR DUE TO BLOCKED DRAINAGE. AT THE CONCLUSION OF ANY PROJECT, ALL CHANNELS, DRAINAGEWAYS AND BORROW DITCHES IN THE WORK ZONE SHALL BE DREDGED OF ANY SEDIMENT GENERATED BY THE PROJECT OR DEPOSITED AS A RESULT OF EROSION CONTROL MEASURES.



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OSION CONTROL PLAN ERC

Issue Dates:

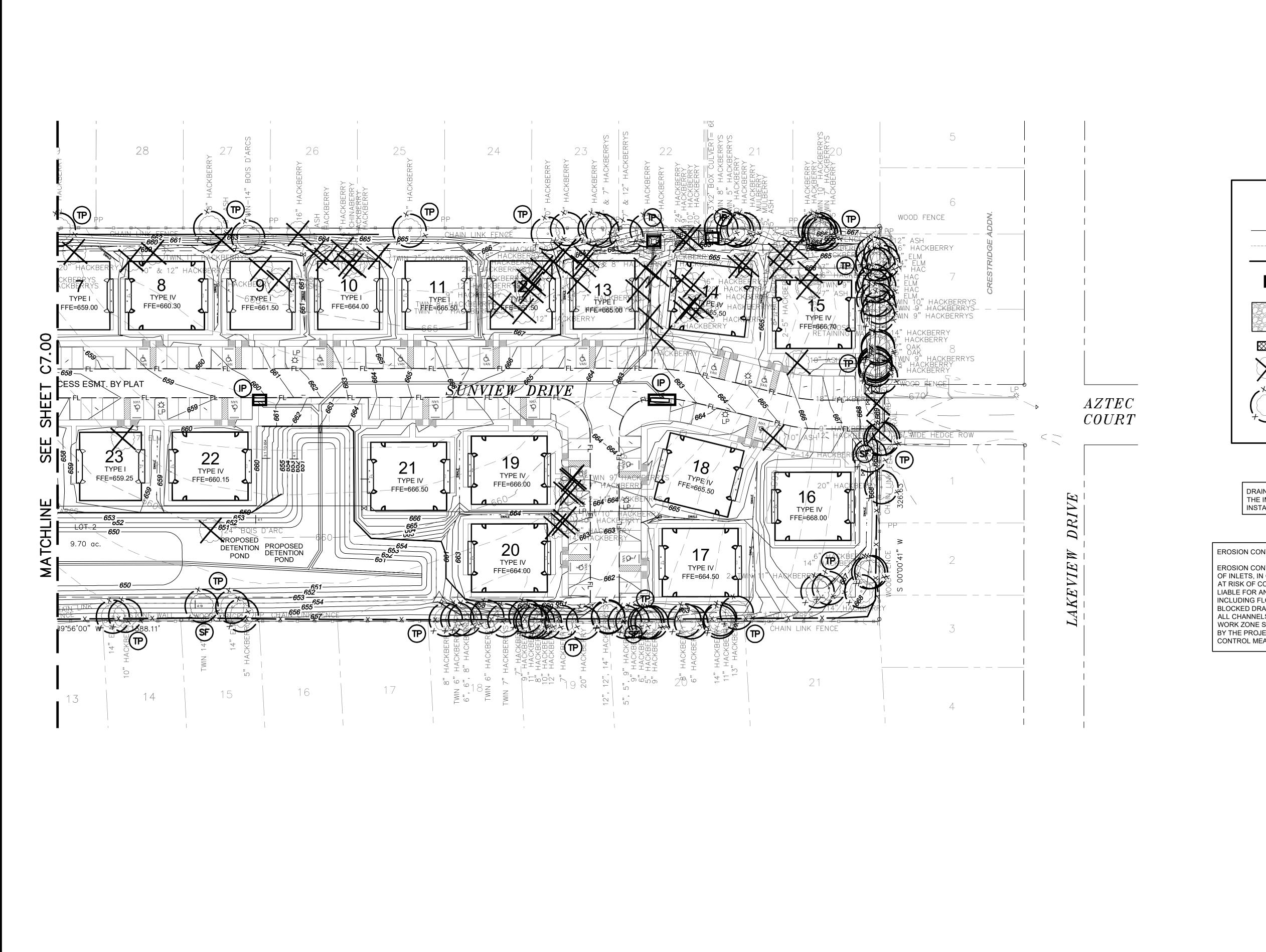
8.28.2019 9.20.2019 10.10.2019

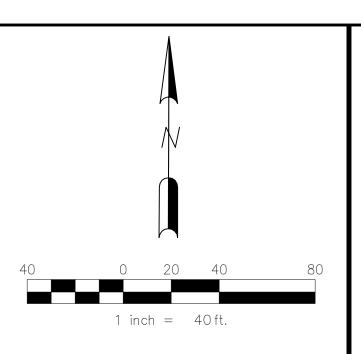
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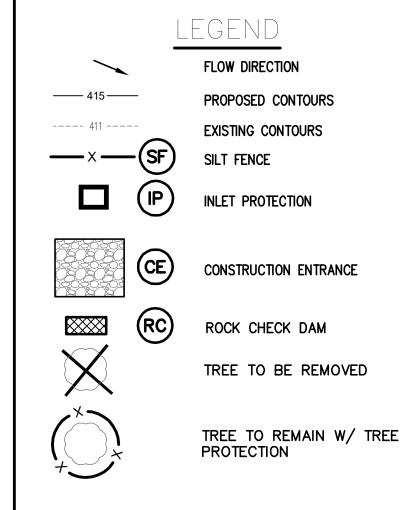
Drawn By: LJM Checked By: AA

Sheet

C7.00



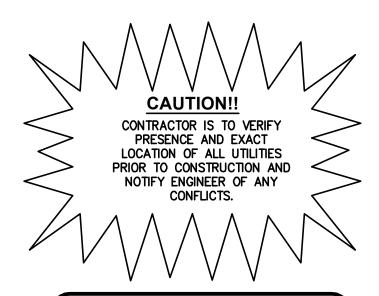




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SION CONTROL PLAN ERC

Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN

Drawn By: LJM Checked By: AA

Sheet **C7.01**

STANDARD EROSION CONTROL GENERAL NOTES

EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.

ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF LAKE WORTH.

IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.

IF OFF-SITE BORROW OR SPOILS SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFF-SITE BORROW AND SPOILS AREAS ARE CONSIDERED PART OF EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION HALL SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE INSTALLATION.

CONTRACTOR SHALL HAVE A COPY THE SWPPP ON SITE AT ALL TIMES.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE E.P.A. CONTRACTOR SHALL COMPLY WITH ALL E.P.A. STORM WATER POLLUTION PREVENTION REQUIREMENTS.

EROSION CONTROL SCHEDULE AND PHASING

THE PROJECT SHALL GENERALLY CONFORM TO THE FOLLOWING:

PHASE 1 — DEMOLITION/GRADING

- A. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, AND TREE PROTECTION FENCE ACCORDING TO THE APPROXIMATE LOCATION SHOWN ON GRADING AND EROSION CONTROL PLAN, NOTES, AND DETAIL SHEETS.
- B. BEGIN CLEARING AND GRADING OF SITE.
- C. SEED AND REVEGETATE SLOPES WHERE SHOWN.

PHASE 2 - UTILITIES

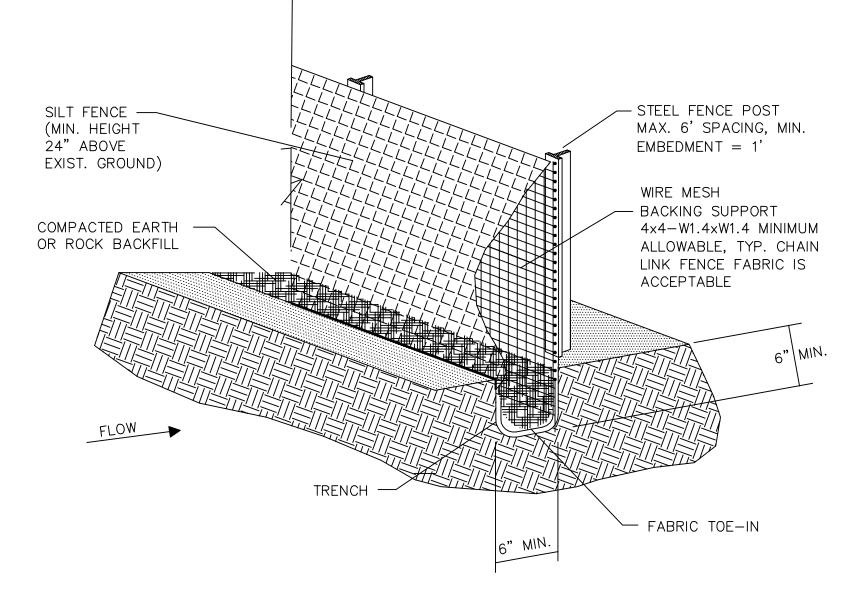
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE.
- B. INSTALL STORM DRAINS AS SPECIFIED ON PLAN SHEETS.
- C. INSTALL INLET PROTECTION.

PHASE 3 - PAVING

- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE. REMOVE AS NEEDED TO PAVE.
- B. STABILIZE SUBGRADE.
- C. PAVE PARKING LOT AND SIDEWALKS AS SPECIFIED ON PLAN SHEETS.
- D. REMOVE TEMPORARY CONSTRUCTION ENTRANCE.

PHASE 4 - LANDSCAPING AND SOIL STABILIZATION

- A. REVEGETATE LOT AND PARKWAYS
- B. LANDSCAPE CONTRACTOR SHALL REVEGETATE ALL AREAS RESERVED FOR LANDSCAPE VEGETATIVE COVERS.
- C. REMOVE EROSION CONTROL DEVICES WHEN GROUND COVER ESTABLISHED.



SILT FENCE GENERAL NOTES

- 1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- 2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- 3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- 4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- 5. INSPECTION SHALL BE MADE EVERY WEEK AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- 7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CONSTRUCTION OF A FILTER BARRIER



B.M.P. MAINTENANCE SCHEDULE

TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT:

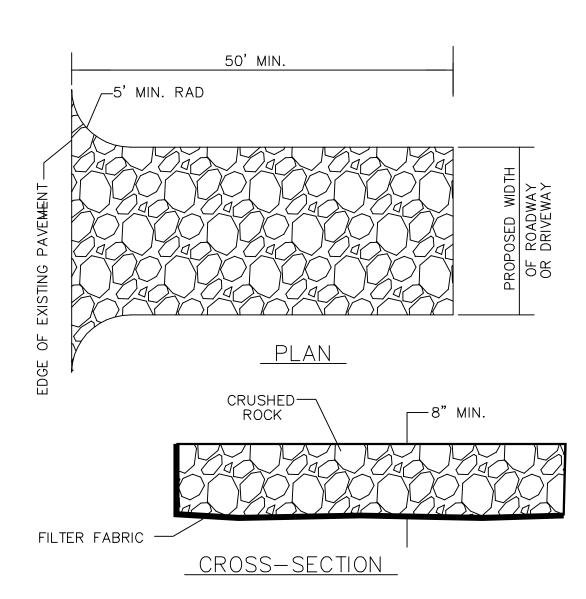
INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE FACILITY IS FUNCTIONING PROPERLY. AGGREGATE PAD SHALL BE WASHED DOWN OR REPLACED WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN THE SONES OR MUD IS BEING TRACKED ONTO THE PUBLIC ROADWAY. RUNOFF FROM WASH DOWN OPERATION SHALL BE FILTERED THROUGH ANOTHER B.M.P. PRIOR TO DRAINING OFF-SITE.

SILT FENCE:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS. SEDIMENT SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-THIRD THE HEIGHT OF THE FENCE ABOVE GRADE. FENCE SHALL BE INSPECTED FOR GAPS AT BASE. INSPECT SUPPORTING POSTS AND FILTER FABRIC. REPLACE IF REQUIRED.

INLET PROTECTION:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY. SEDIMENT SHALL BE REMOVED FROM THE STORAGE AREA WHEN SEDIMENT DEPTH HAS BUILT UP TO ONE-HALF THE DESIGN DEPTH. IF DE-WATERING OF THE STORAGE VOLUME IS NOT OCCURRING, CLEAN OR REPLACE THE FILTER STONE SURROUNDING THE INLET. CLEAN THE STONE SURFACE THE FIRST FEW TIMES BY RAKING. REPEATED SEDIMENT BUILD-UP WILL REQUIRE FILTER STONE REPLACEMENT.



CONSTRUCTION ENTRANCE NOTES:

- 1. STONE SIZE 5 INCHES (MIN) CRUSHED ROCK.
- 2. LENGTH AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
- 3. THICKNESS NOT LESS THAN 8 INCHES.
- 4. WIDTH NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- 5. WASHING WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- 6. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC
 - OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY, MUST BE REMOVED IMMEDIATELY.
- 7. DRAINAGE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- 8. CONTRACTOR TO COORDINATE EXACT LOCATION OF THIS DETAIL.

CONSTRUCTION ENTRANCE

TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT



Engineering,

Carrillo



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DETAIL

Issue Dates: 8.28.2019 9.20.2019

10.10.2019

Scale: AS SHOWN Drawn By: LJM

Checked By: AA

Sheet C7.02

VERTICAL PANEL BARRICADES TO BE PLACED WHEN LOCATED ON AN ACTIVE STREET. 2" GAP BETWEEN TOP OF FABRIC AND TOP OF INLET OPENING SHALL EXTEND ACROSS THE FULL SPACE BETWEEN SANDBAGS. CURB INLET 4"x4" WIRE MESH-12" MIN. OVERLAP FILTER SOCK — PLACE SAND BAGS FILLED WITH FILTER STONE AT EACH END OF INLET AND ENOUGH IN BETWEEN TO PREVENT GAPS BETWEEN THE PAVEMENT AND THE FILTER FABRIC. LAY BAGS LONGITUDINALLY IN THE GUTTER AT THE ENDS AND TRANSVERSE TO GUTTER IN BETWEEN. 2"X2" WOODEN STAKE-EXCESS SOCK MATERIAL— TO BE DRAWN IN AND TIED OFF TO STAKE AT BOTH ENDS. INLET PLAN VIEW PAVEMENT TO BE PROTECTED FILTER FABRIC CONNECT TO WIRE WITH TIES OR CLIPS AS NEEDED CURB INLET STRUCTURE FILTER SOCK GENERAL NOTES 1. ALL MATERIAL TO MEET MANUFACTURER SPECIFICATIONS 2. FILTER SOCK TO BE FILTREXX INLET SOXX OR APPROVED EQUAL 4"x4" WIRE MESH 3. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. 4. FILTER SOCK SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. 2" GAP BETWEEN TOP OF FABRIC AND TOP OF INLET OPENING 5. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE INLET SECTION HEIGHT OF THE SOCK. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION. TYPE C CURB 6. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER. INLET PROTECTION FILTER SOCK INSTALLATION TREE PROTECTION FENCING INLET PROTECTOR DETAILS



FENCING -

PLAN VIEW

SINGLE TREE

-ORANGE SAFETY

∕—STAKING-6' METAL

FENCE

@ 6' O.C.

5' (TYP.) ►

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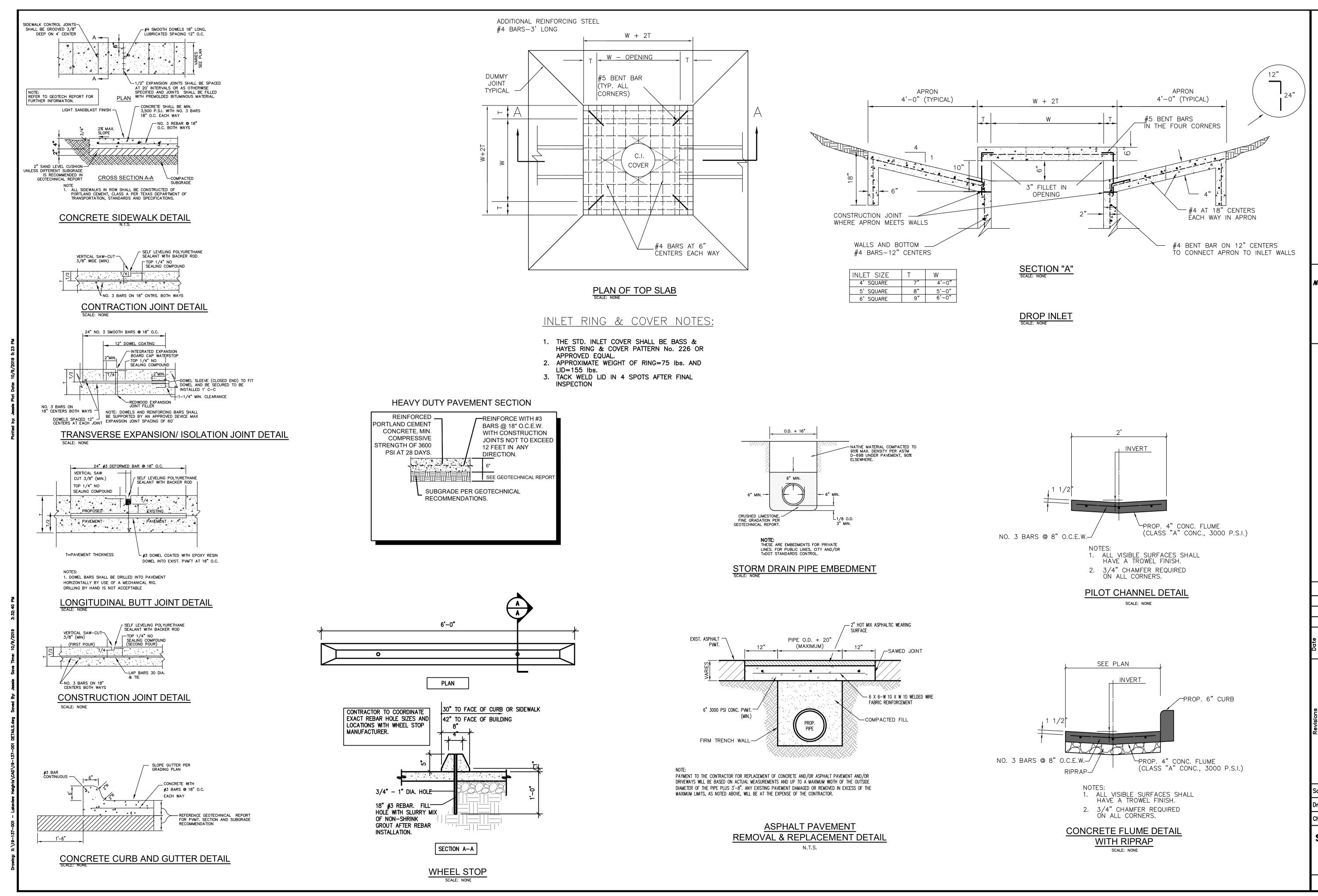
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Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN Drawn By: LJM

Checked By: AA

Sheet C7.03



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DETAIL STRUCTION

Issue Dates: 8.28.2019 9.20.2019

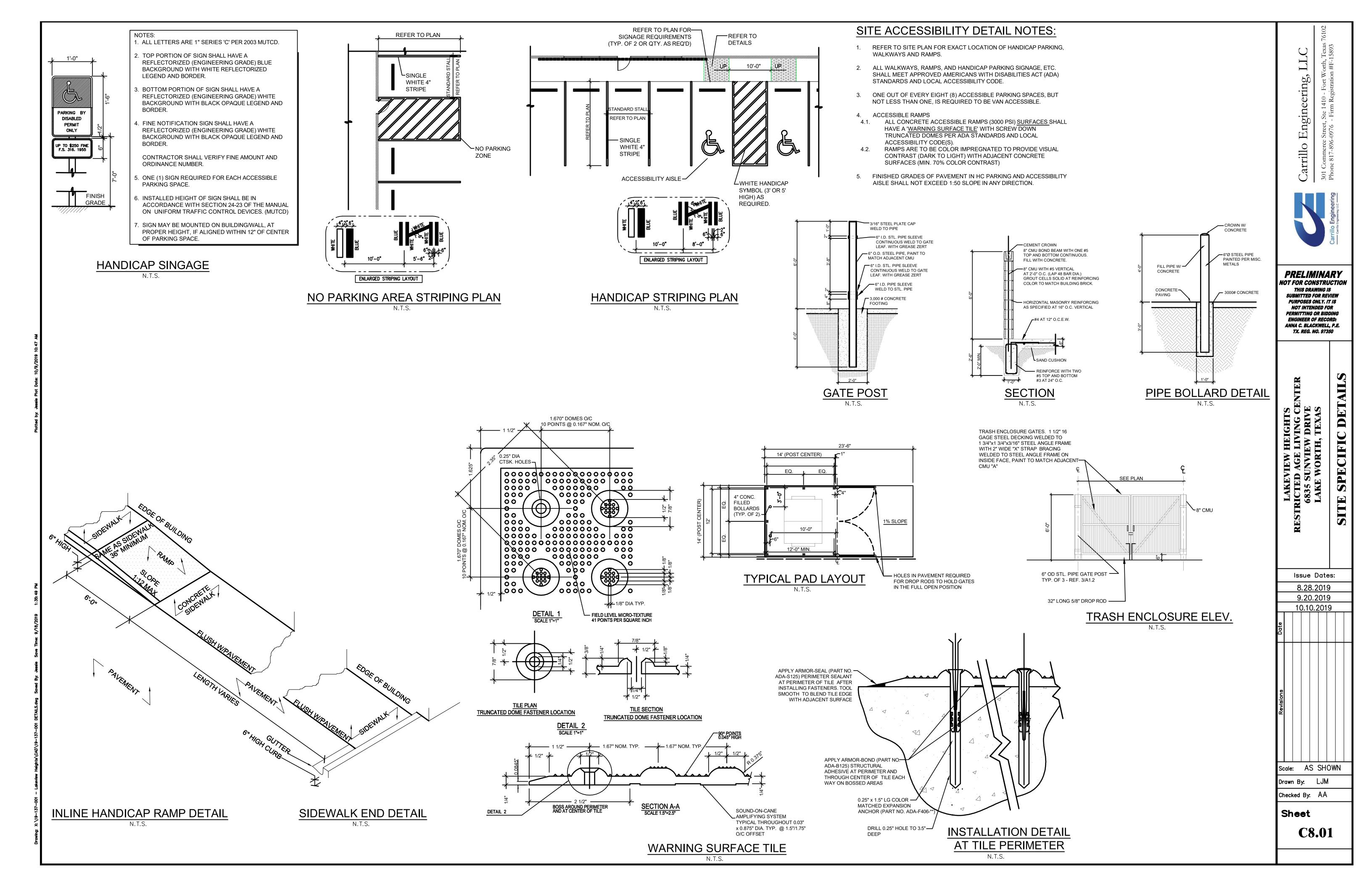
10.10.2019

Scale: AS SHOWN

Drawn By: LJM Checked By: AA

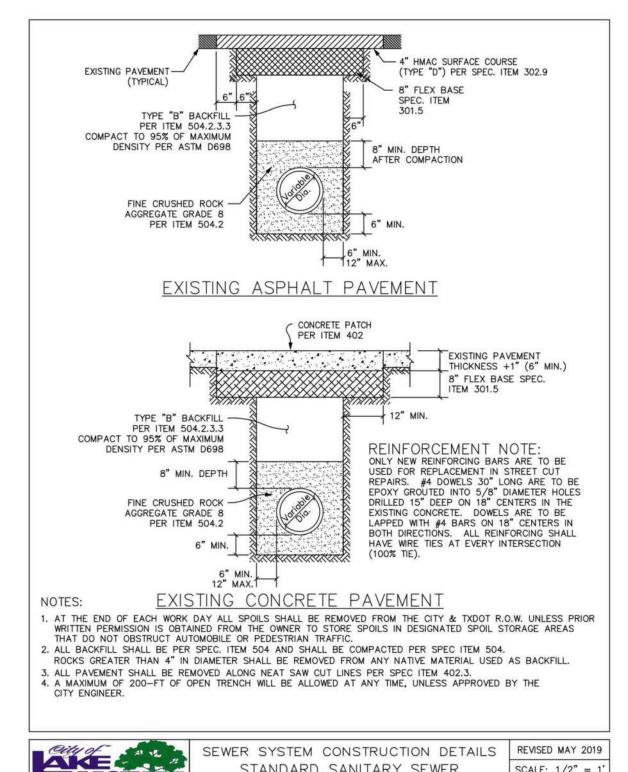
Sheet

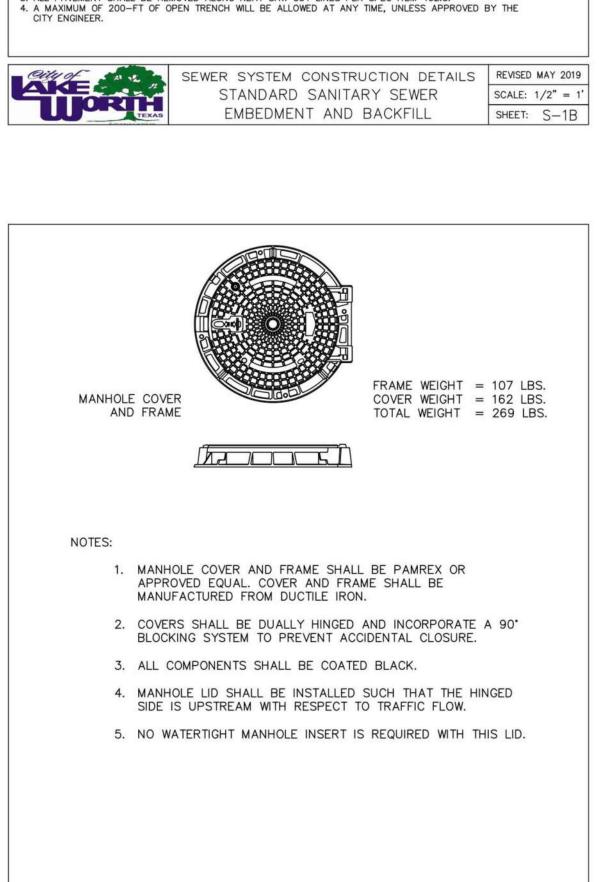
C8.00

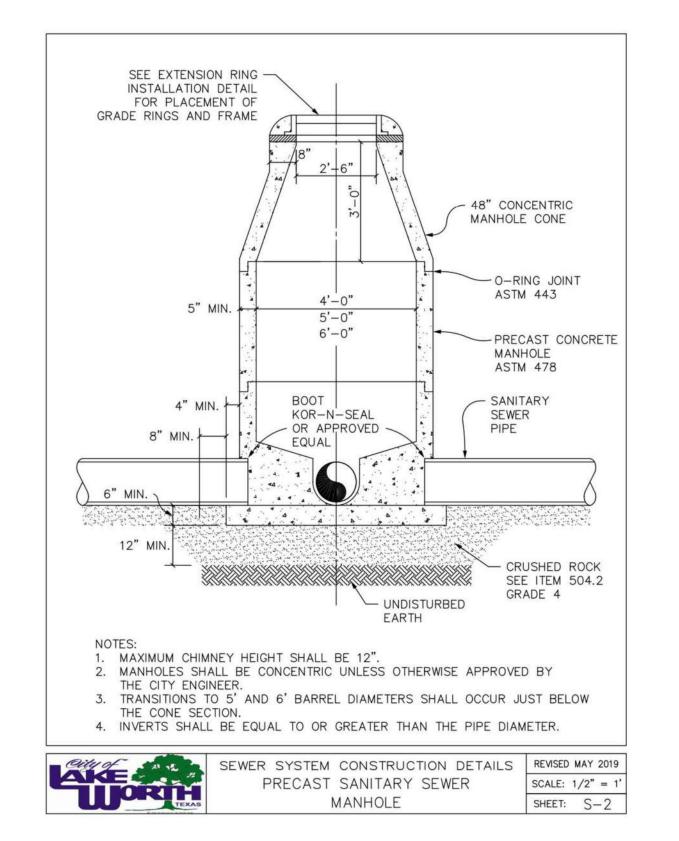


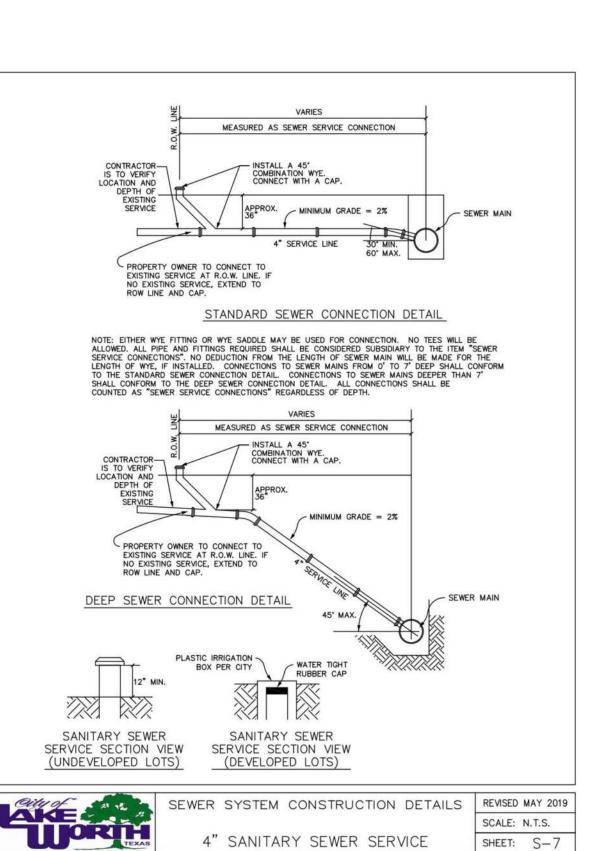
SEWER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019

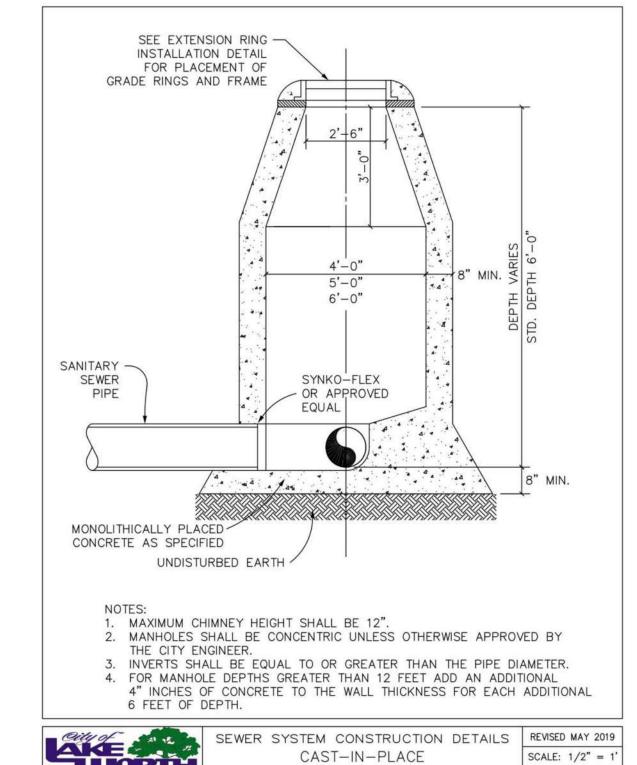
SCALE: 1/2" = 1

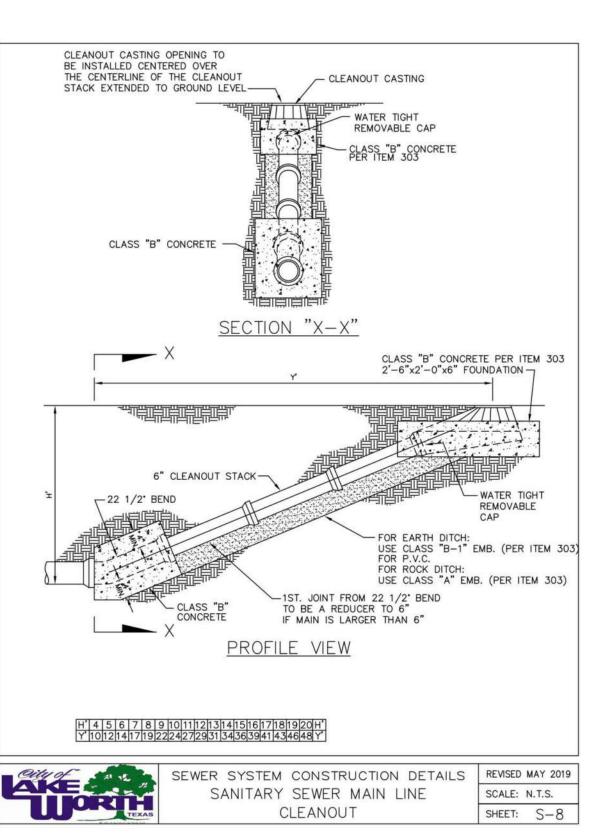


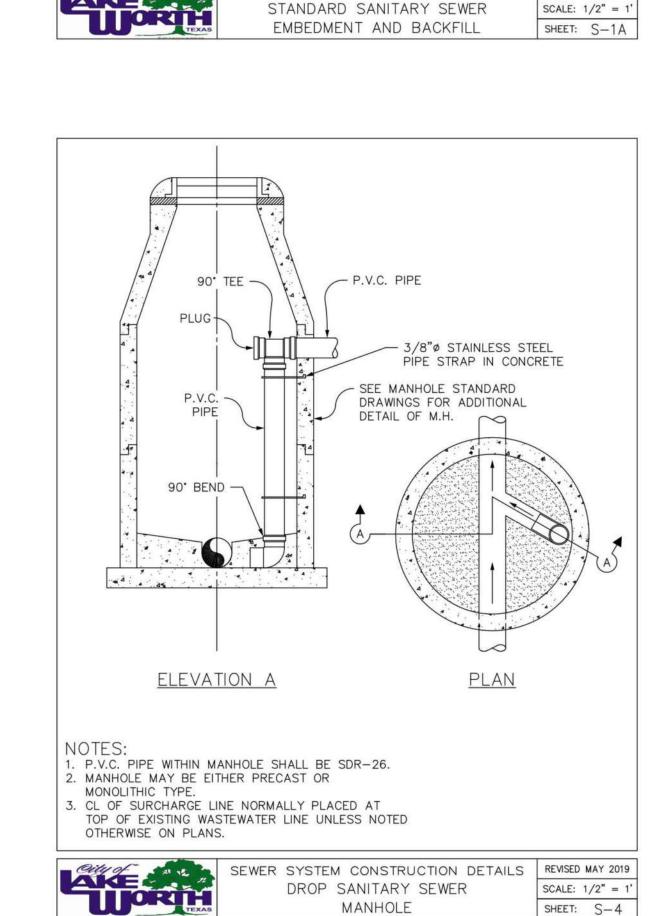


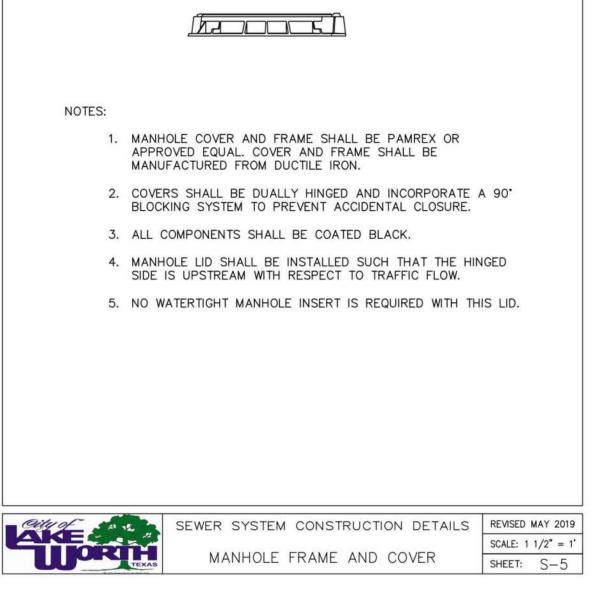


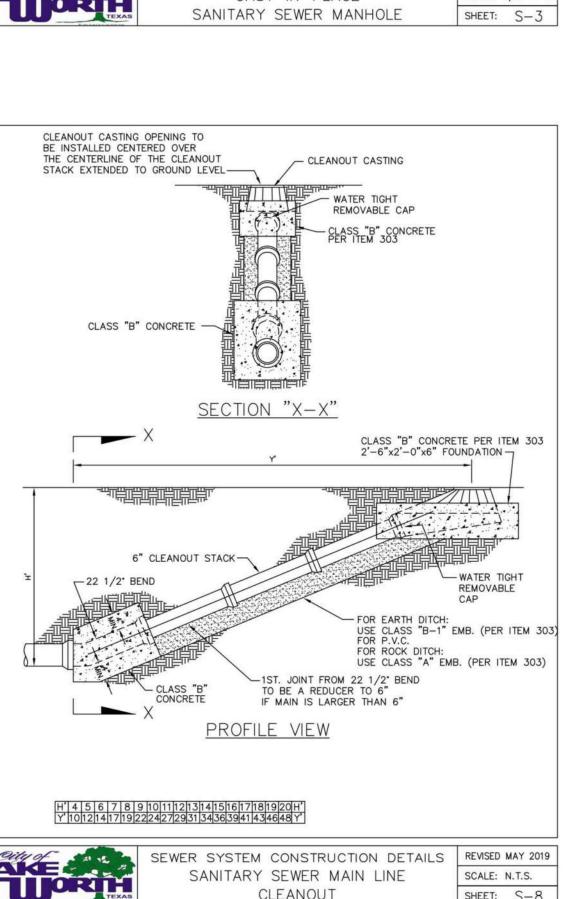








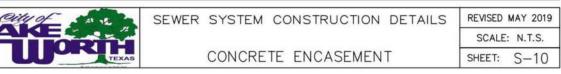


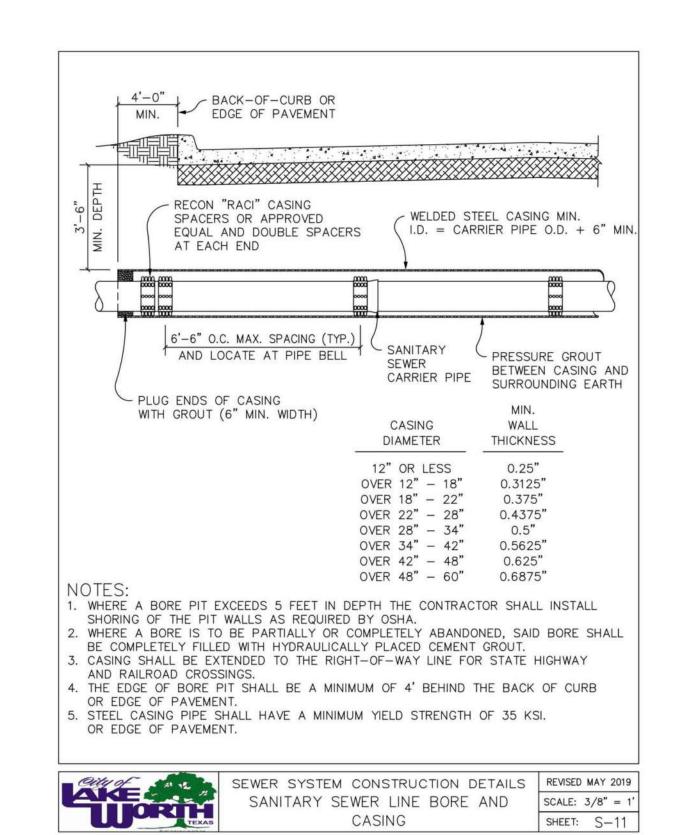


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Issue Dates: 8.28.2019 9.20.2019 10.10.2019 Scale: AS SHOWN Drawn By: LJM Checked By: AA

Sheet **C9.00**





Carrillo Engineering,

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DETAIL

SEWER

SA

Issue Dates: 8.28.2019 9.20.2019 10.10.2019

Scale: AS SHOWN

Drawn By: LJM Checked By: AA

Sheet

C9.01

UNDERGROUND WATER LINE WARNING TAPE OF MIN. 4" WIDTH SHALL BE INSTALLED ABOVE THE EMBEDMENT MATERIAL.

5. A MAXIMUM OF 200-FT OF OPEN TRENCH WILL BE ALLOWED AT ANY TIME, UNLESS APPROVED BY THE CITY ENGINEER.

STANDARD WATER LINE

EMBEDMENT AND BACKFILL

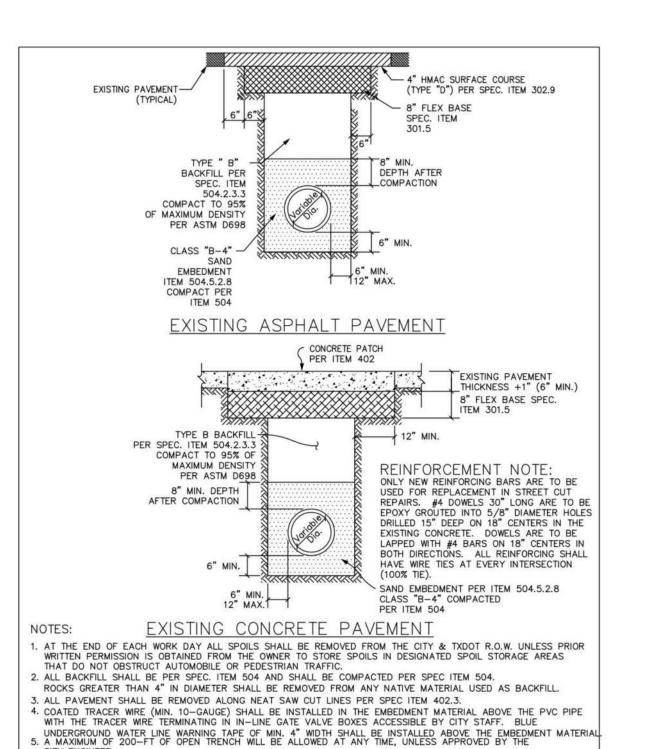
WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019

SCALE: 1/2" = 1'

SHEET: W-1A

6. TOPSOIL SHALL BE 4 INCHES IN DEPTH AND SHALL BE LOOSE AND FREE OF ROCKS OR CLODS GREATER THAN

1/4" IN DIAMETER. ALL TOPSOIL SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.



FINISHED GRADE AT HYDRANT 6" MAX. _______ BACKFILL SHALL
BE TYPE "B"
SPEC. ITEM
504.2.3.3 (TYP.)
COMPACTION —
PER SPEC. ITEM
504 (TYP.) 3'x3' CONC. PAD CLASS "A" CONCRETE IN UNPAVED AREAS MJ X FLG TEE MEGA, LUGS COUPLINGS MIN. 7 CUBIC FEET OF STANDARD CRUSHED ROCK GRADE 4 PER SPEC. ITEM 504.2.2 6" MJ X FLG RS GATE VALV (SEE DETAIL W-3 FOR INSTALLATION) 1. ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS, C-502. FIRE HYDRANTS SHALL HAVE A 5 1/4" MIN VALVE OPENING AND AN INSIDE BARREL DIAMETER OF APPROXIMATELY 7". ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. 2. ACTUAL VALVE LOCATION WILL DEPEND ON LOCATION OF WATER MAIN. 3. FIRE HYDRANT NO CLOSER THAN 18" TO EXISTING OR PROPOSED SIDEWALKS. (TYPICAL) 4. BURY DEPTH SHALL NOT EXCEED 7-FEET. 5. FIRE HYDRANT SHALL BE PLACED ON THE EXTENDED LOT LINE WHEN POSSIBLE. 6. ALL BELOW GROUND IRON ASSEMBLES SHALL BE WRAPPED IN POLYETHYLENE ACCORDING TO AWWA C105. 7. FIRE HYDRANT SHALL BE LOCATED A MINIMUM OF 1 FOOT OUTSIDE OF THE AREA BETWEEN THE P.C.'S

- 8. FIRE HYDRANT SHALL BE AT LEAST 42-INCHES FROM ANY ABOVE GROUND OBSTRUCTIONS, SUCH AS GUARDRAILS, RETAINING WALLS, BOLLARDS, ETC. 9. ALL FIRE HYDRANTS SHALL BE MANUFACTURED BY M&H OR MULLER (M&H MODEL 129, OR MULLER SUPER
- 10. ALL HYDRANTS SHALL OPEN BY TURNING THE OPERATING-STEM NUT TO THE RIGHT (CLOCKWISE). A CLEARLY VISIBLE CURVED ARROW AND THE WORD "OPEN" SHALL BE CAST IN RELIEF ON TOP OF THE

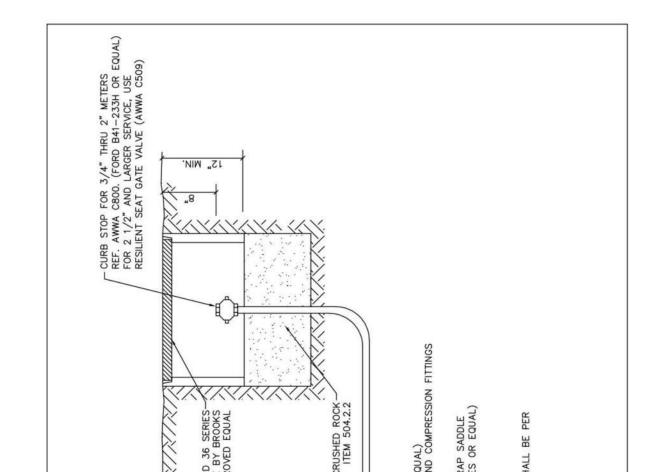
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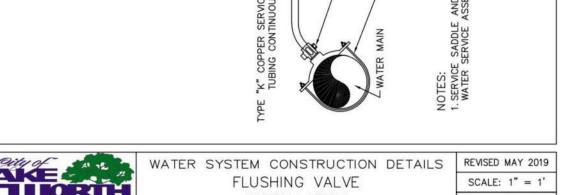
WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 FIRE HYDRANT SCALE: 3/8" = 1'INSTALLATION SHEET: W-2

WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 GATE VALVE SCALE: 3/4" = 1' INSTALLATION SHEET: W-3

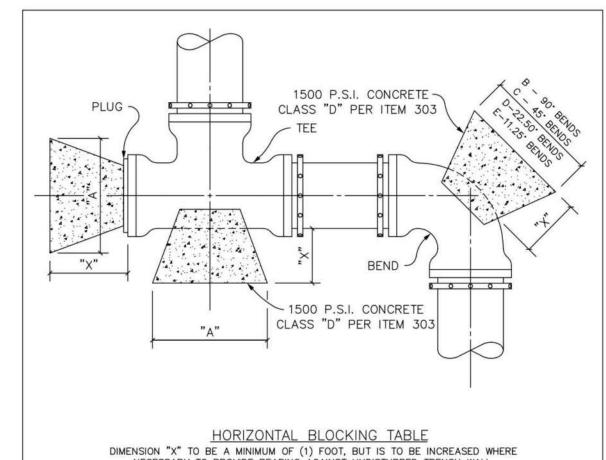
WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 STANDARD WATER LINE EMBEDMENT AND BACKFILL

SCALE: 1/2" = 1' SHEET: W-1B





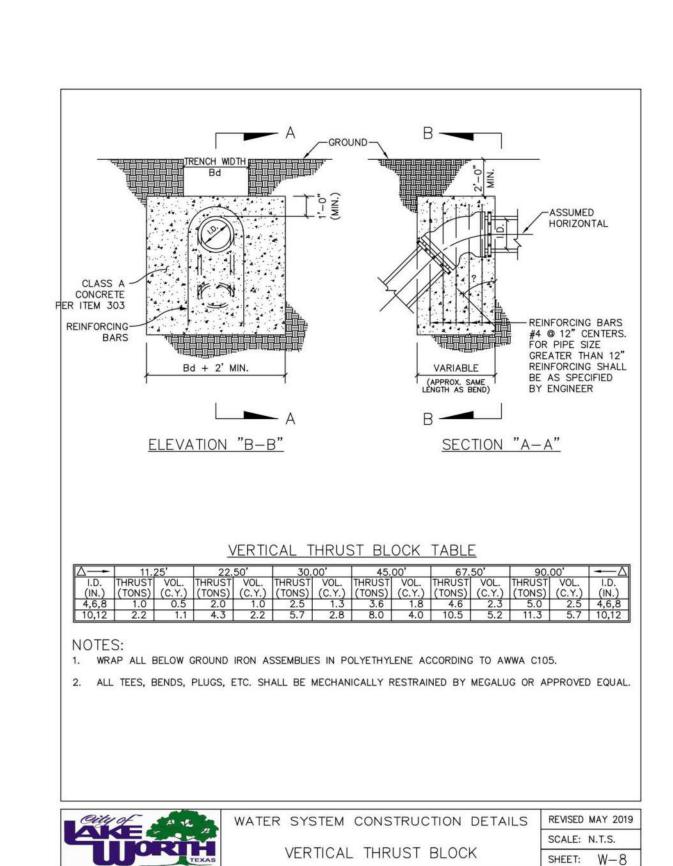
30" MIN.

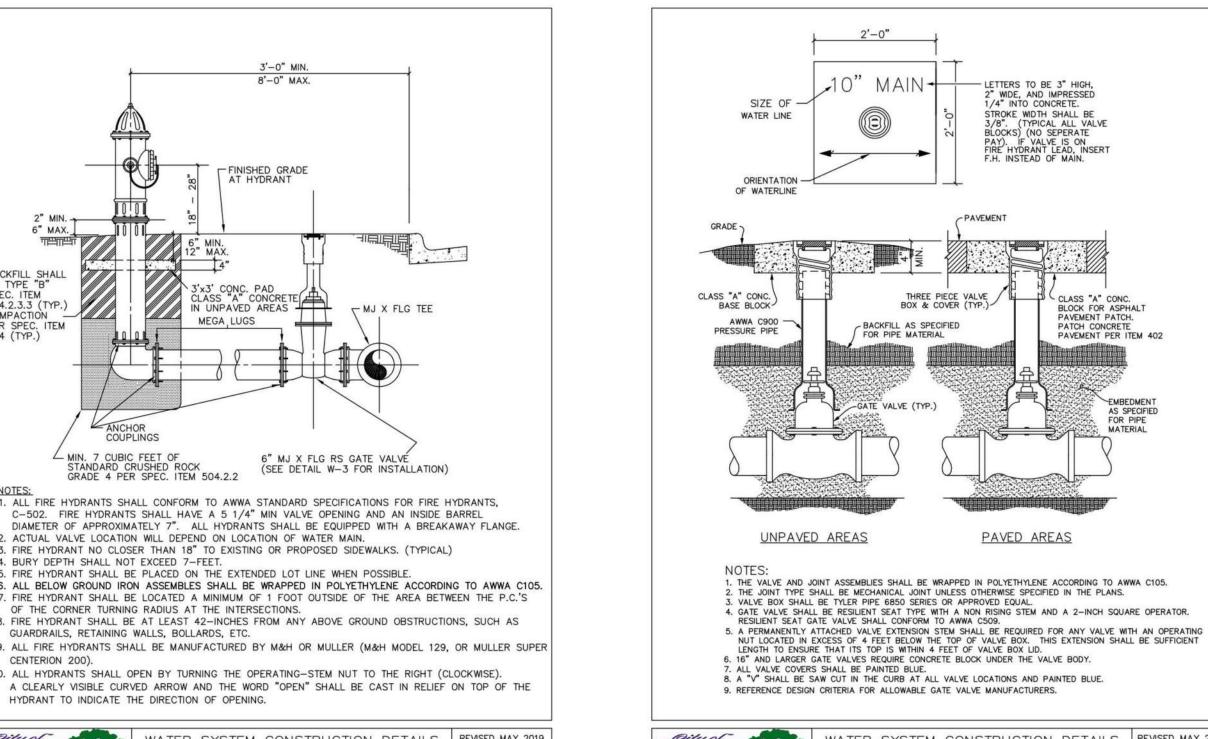


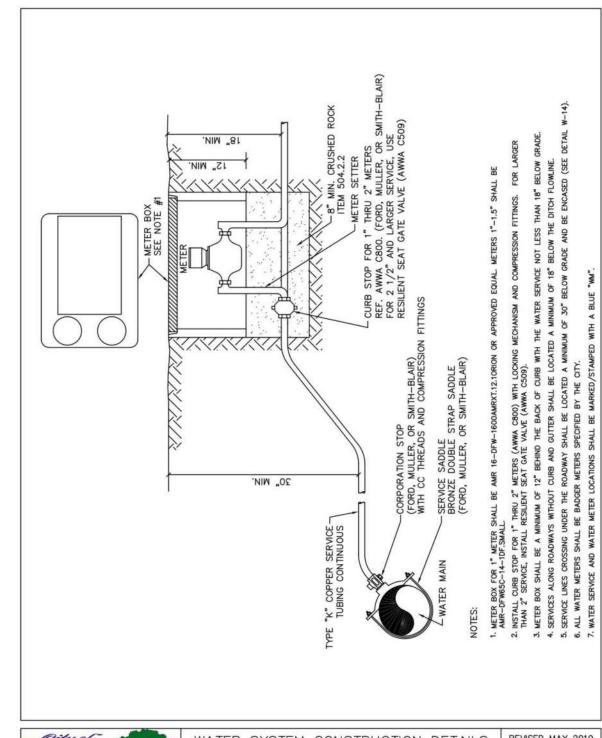
						(1) FOOT, AGAINST					
PIPE	"X" DIM.	PLUGS	& TEES	90. E	BENDS	45° E	BENDS	22.50	BENDS	11.25	BENDS
SIZE		"A"	MIN. AREA sf	"B"	MIN. AREA sf	"c"	MIN. AREA sf	"D"	MIN. AREA sf	"E"	MIN. AREA sf
6"	1'-6"	1'-0"	1.06	1'-2"	1.50	1'-0"	.83	1'-0"	.83	1'-0"	.83
8"	1'-6"	1'-3"	1.89	1'-6"	2.66	1'-3"	1.44	1'-0"	.83	1'-0"	.83
10"	1'-6"	1'-9"	2.95	2'-0"	4.17	1'-6"	2.26	1'-3"	1.15	1'-0"	.83
12"	1'-6"	2'-0"	4.25	2'-3"	6.00	1'-9"	3.25	1'-3"	1.65	1'-0"	.83
16"	2'-0"	2'-7"	7.54	3'-0"	10.65	2'-3"	5.76	1'-8"	2.94	1'-2"	1.48

- BEARING AREAS SHOWN ARE BASED ON 150 PSI TEST PRESSURE AND 3000 PSF ALLOWABLE SOIL BEARING PRESSURE.
- 2. WRAP ALL BELOW GROUND IRON ASSEMBLIES IN POLYETHYLENE ACCORDING TO AWWA C105.
- 3. ALL TEES, BENDS, PLUGS, ETC. SHALL BE MECHANICALLY RESTRAINED BY MEGALUG OR APPROVED EQUAL.

City of	WATER SYSTEM CONSTRUCTION DETAILS	REVISED MAY 2019
	HORIZONTAL AND VERTICAL (DOWNWARD)	SCALE: N.T.S.
TEXAS	THRUST BLOCKING	SHEET: W-7









WATER SYSTEM CONSTRUCTION DETAILS | REVISED MAY 2019 1"-2" WATER SERVICE ASSEMBLY

SCALE: 1" = 1'

INSTALLATION SHEET: W-6 Engineering, Carrillo

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> DETAIL WATER

Issue Dates: 8.28.2019 9.20.2019 10.10.2019

> Checked By: AA Sheet

Scale: AS SHOWN

Drawn By: LJM

C9.02

ALL TEES, BENDS, PLUGS, ETC. SHALL BE MECHANICALLY RESTRAINED BY MEGALUG OR APPROVED EQUAL.

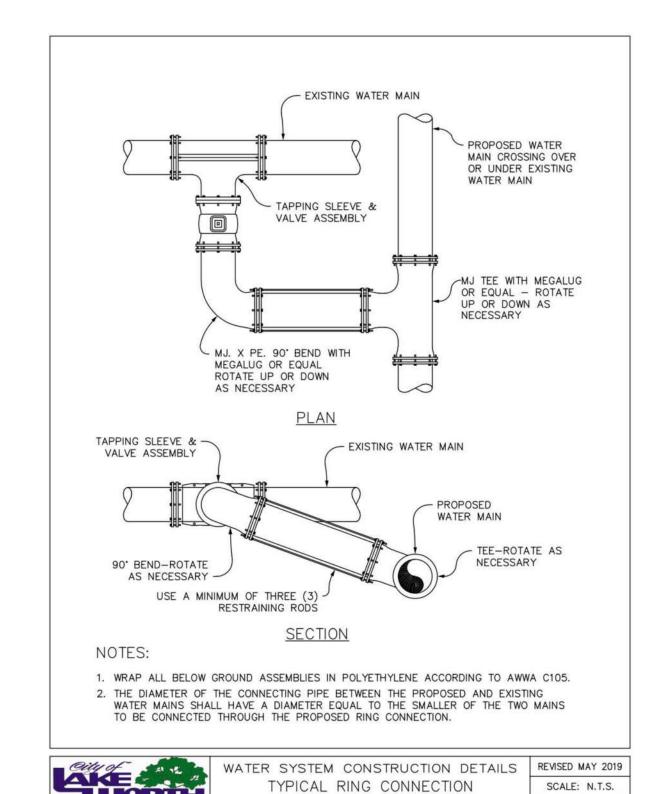
CONCRETE CRADLE AT

VERTICAL BENDS

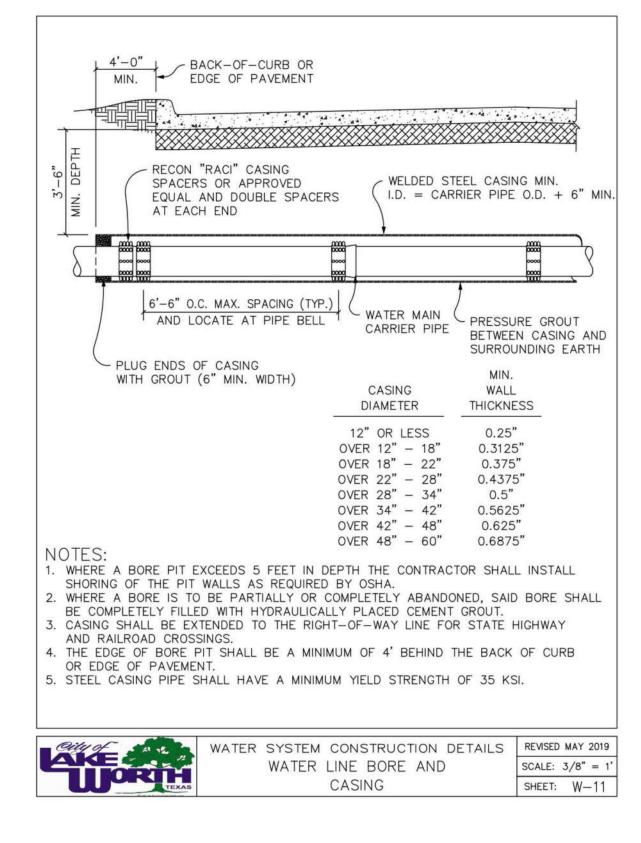
WATER SYSTEM CONSTRUCTION DETAILS REVISED MAY 2019

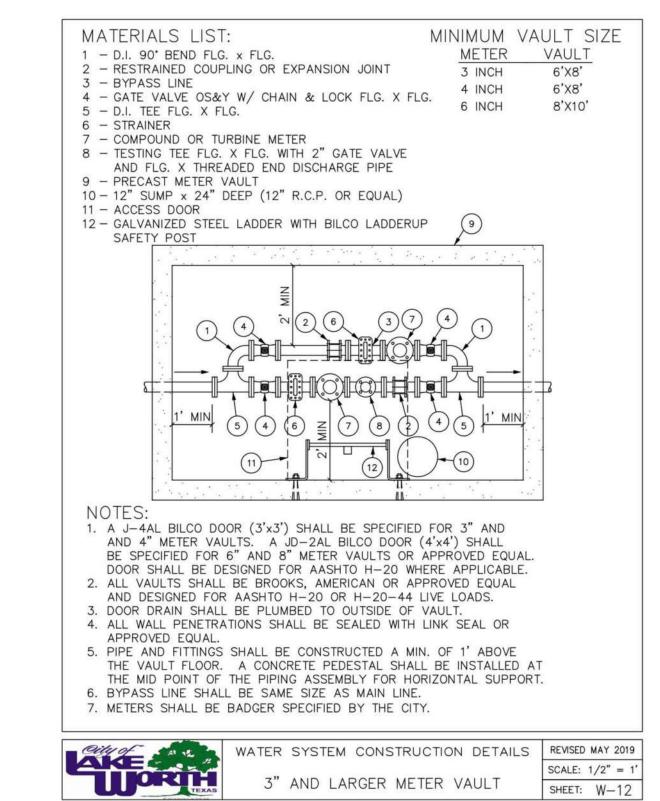
SCALE: N.T.S.

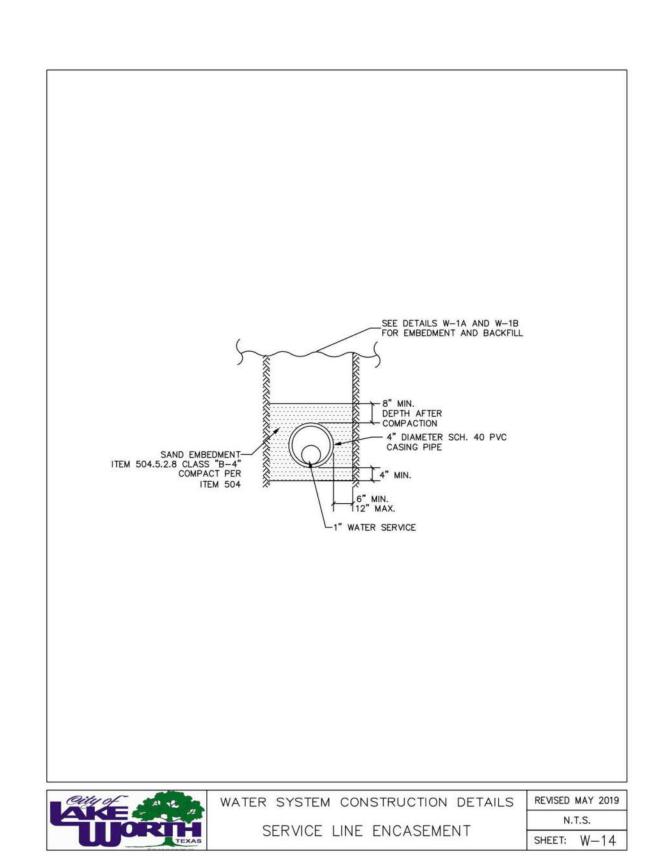
SHEET: W-9

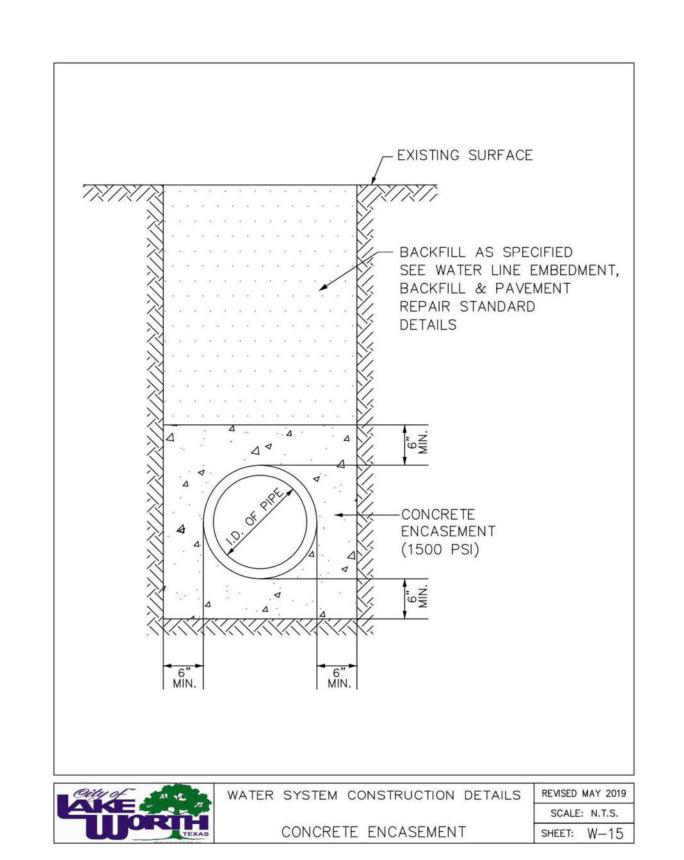


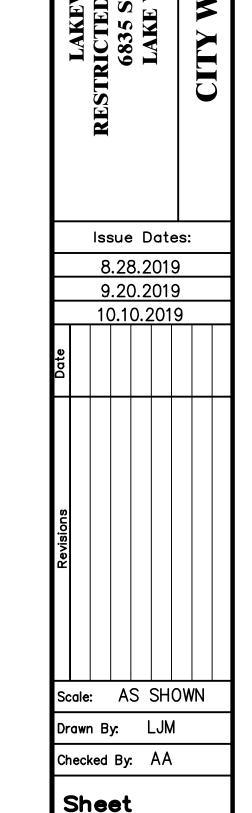
SHEET: W-10











C9.03

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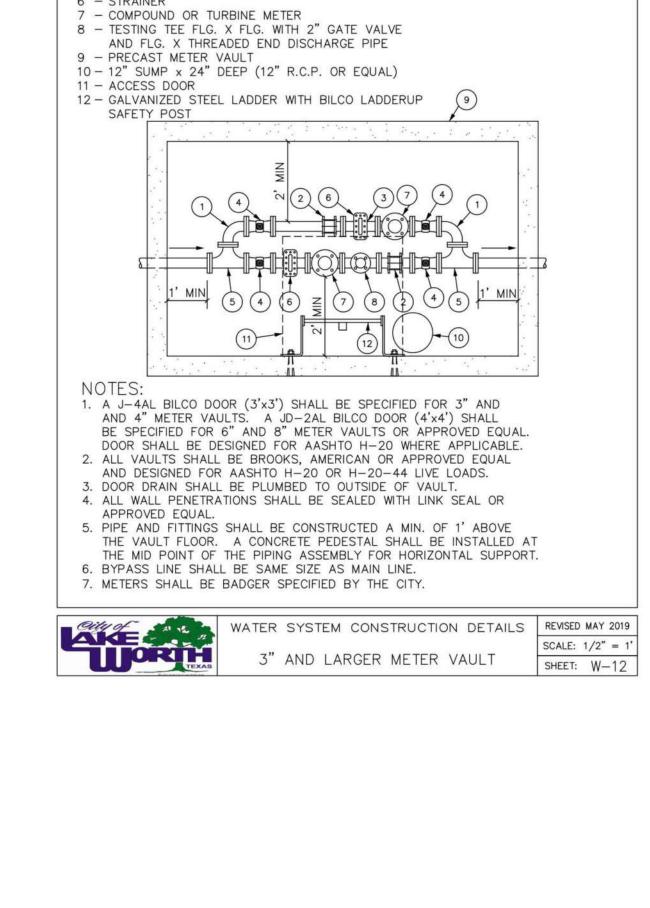
PERMITTING OR BIDDING

ENGINEER OF RECORD:

ANNA C. BLACKWELL, P.E.

TX. REG. NO. 97350

DETAIL



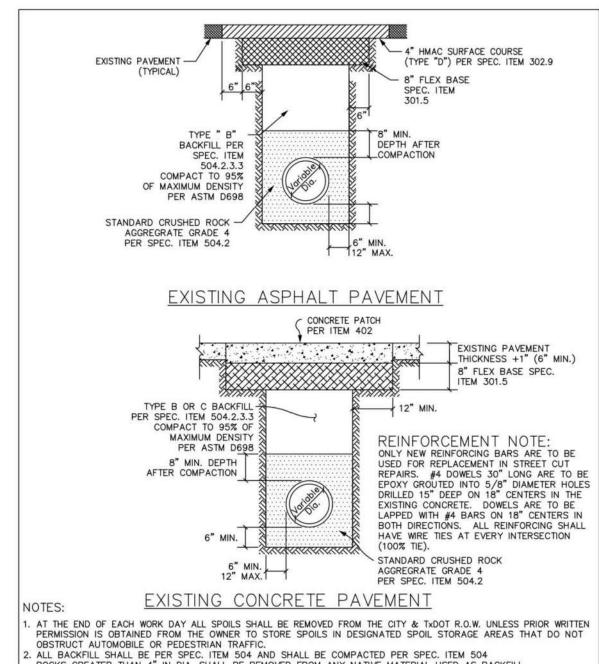
6. TOPSOIL SHALL BE 4 INCHES IN DEPTH AND SHALL BE LOOSE AND FREE OF ROCKS OR CLODS GREATER THAN

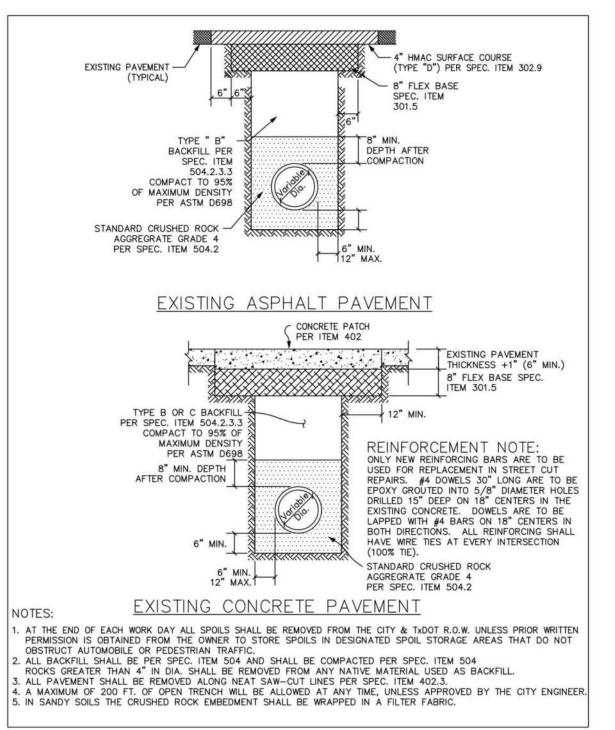
DRAINAGE SYSTEM CONSTRUCTION DETAILS

ORM SEWER EMBEDMENT & BACKFILL

REVISED MAY 2019

1/4" IN DIAMETER. ALL TOPSOIL SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.

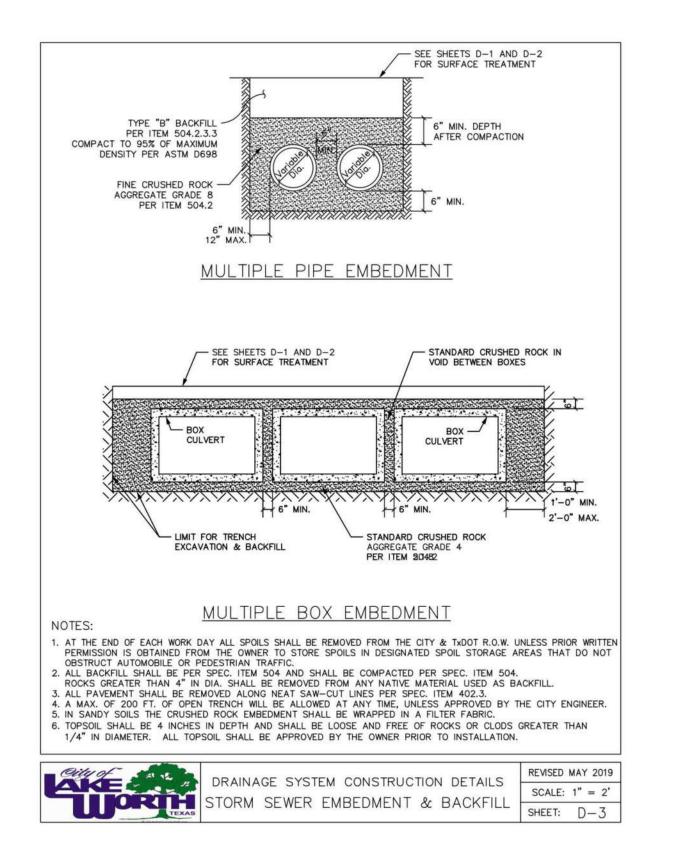


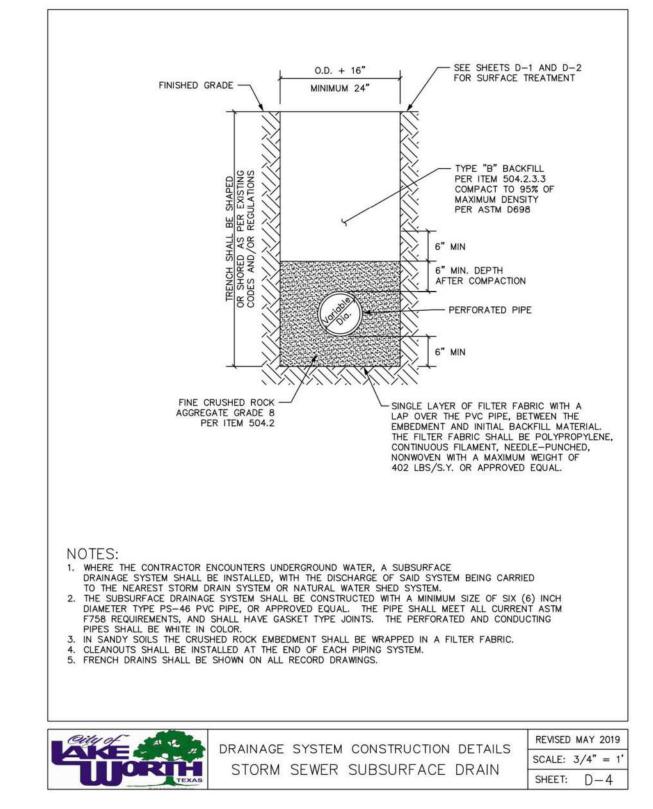


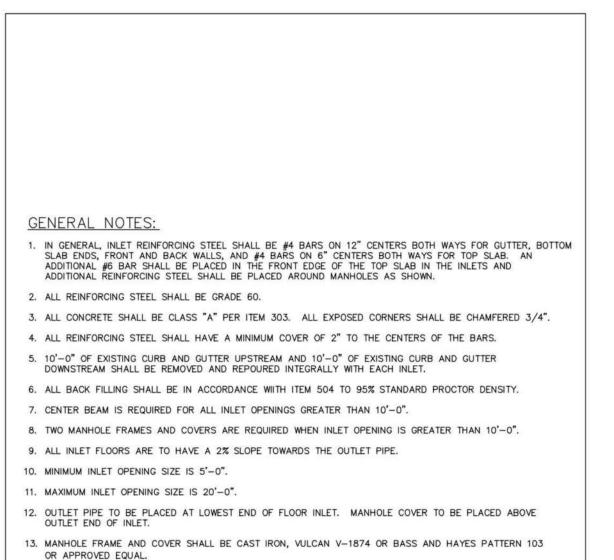
DRAINAGE SYSTEM CONSTRUCTION DETAILS

REVISED MAY 2019

SCALE: 1" = 2'





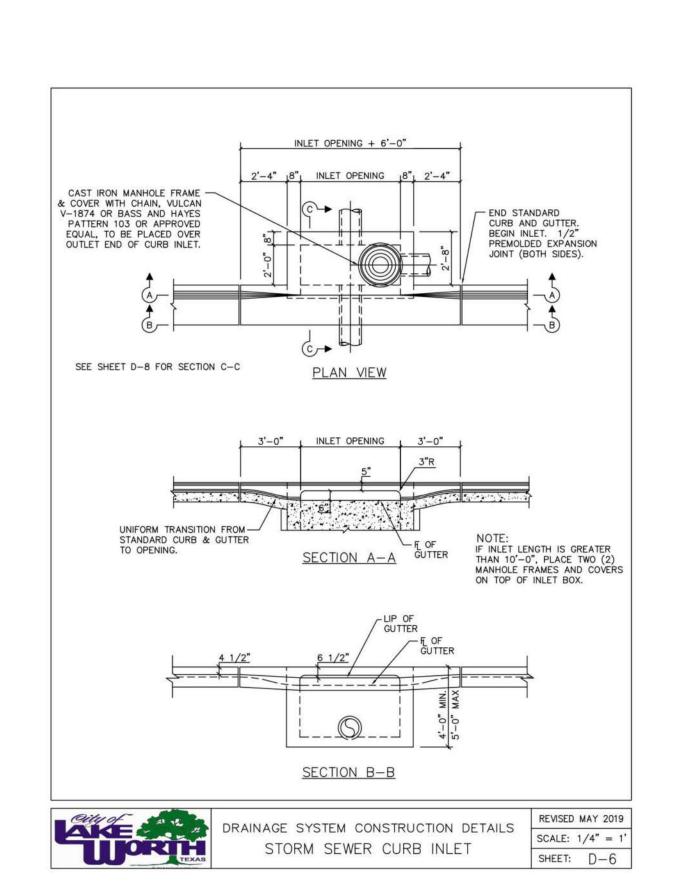


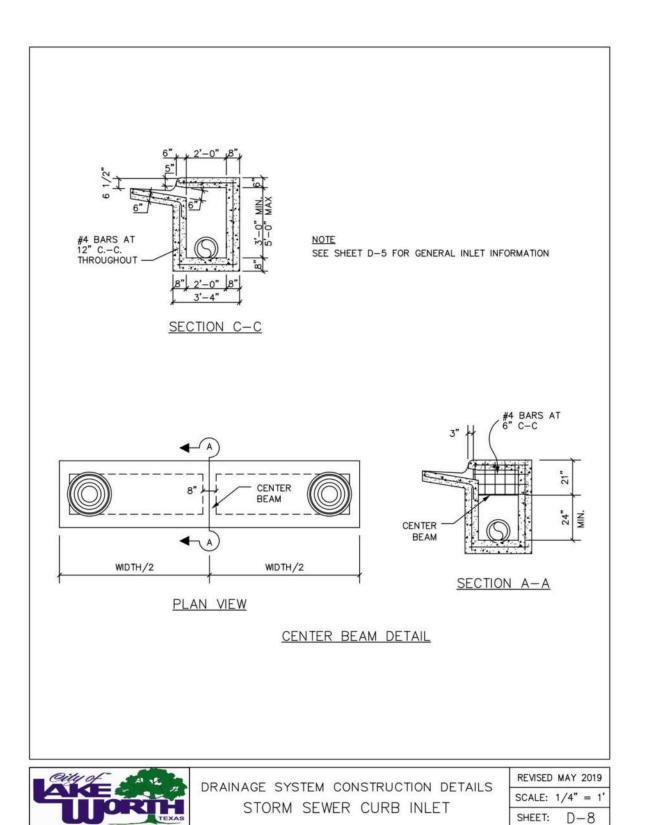
14. MANHOLE COVERS SHALL HAVE CHAINS ATTACHED TO PREVENT COVERS FROM BEING WASHED AWAY DURING

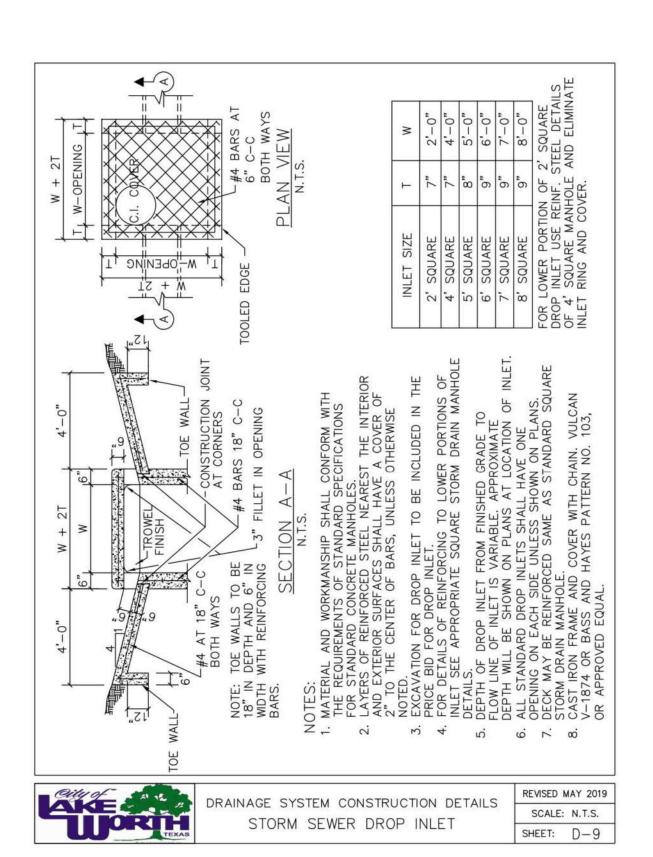
DRAINAGE SYSTEM CONSTRUCTION DETAILS

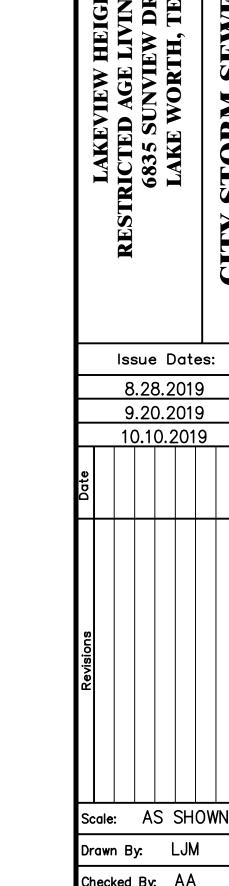
STORM SEWER INLET GENERAL NOTES

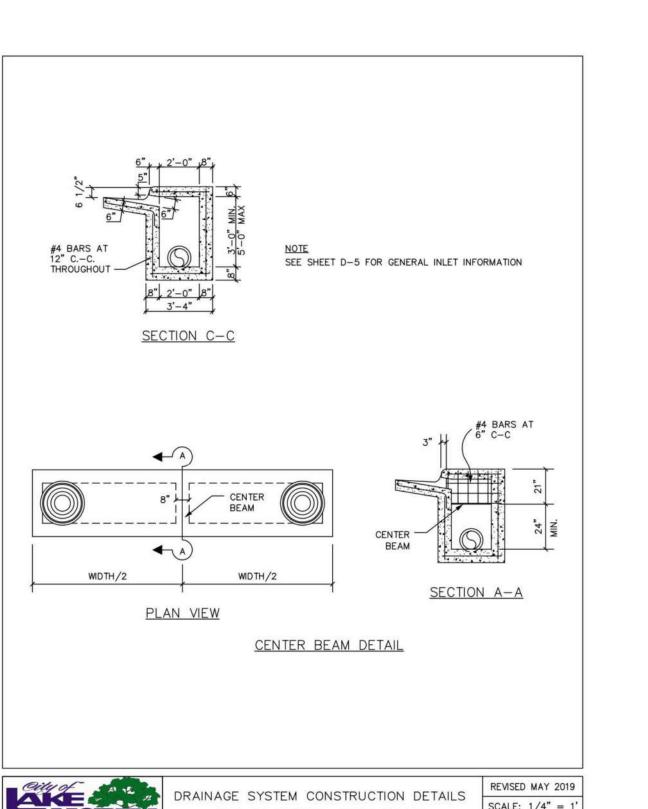
FLOOD CONDITIONS.

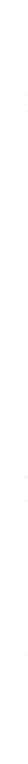












Checked By: AA Sheet

C9.04

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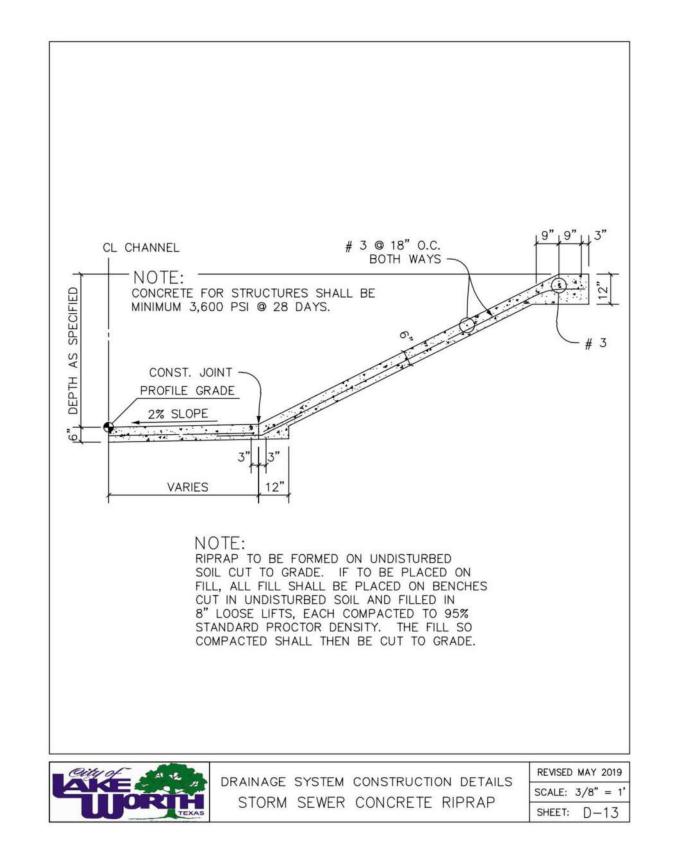
PERMITTING OR BIDDING

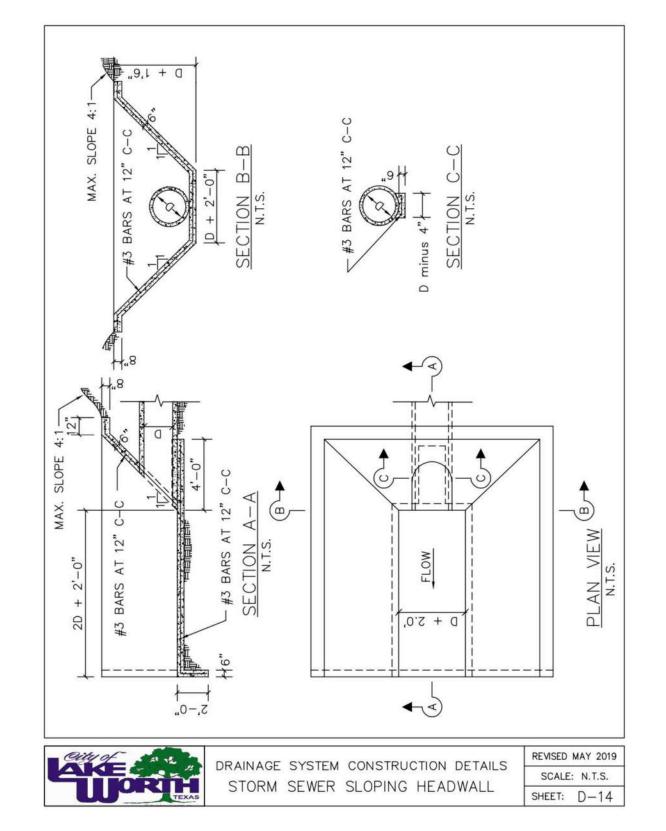
ENGINEER OF RECORD:

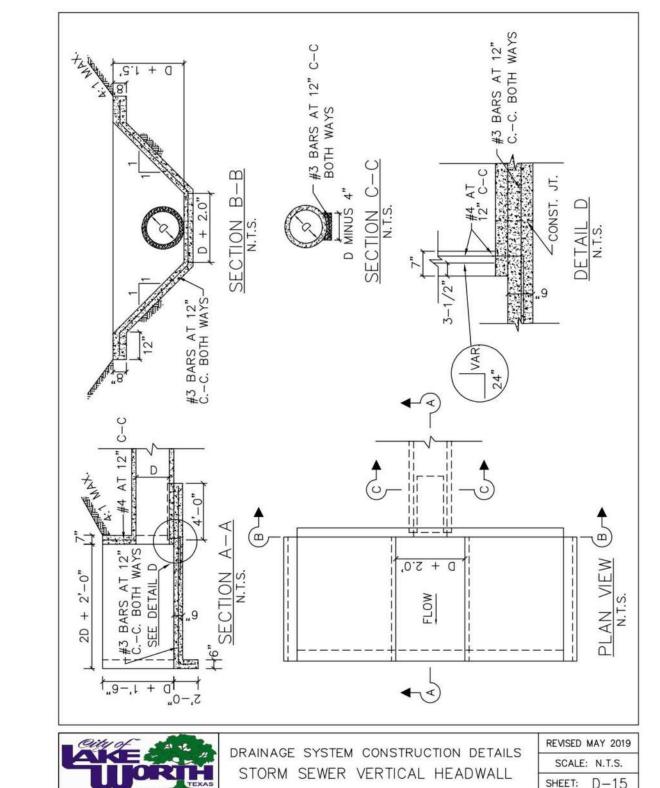
ANNA C. BLACKWELL, P.E.

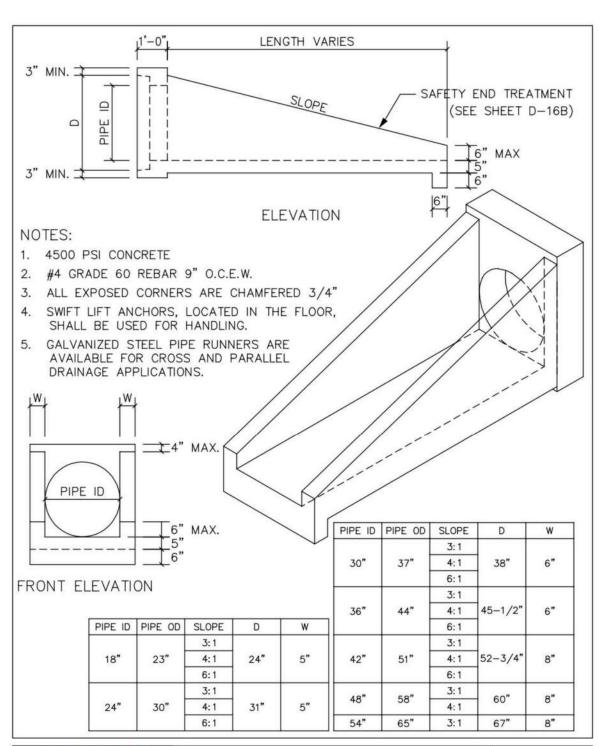
TX. REG. NO. 97350

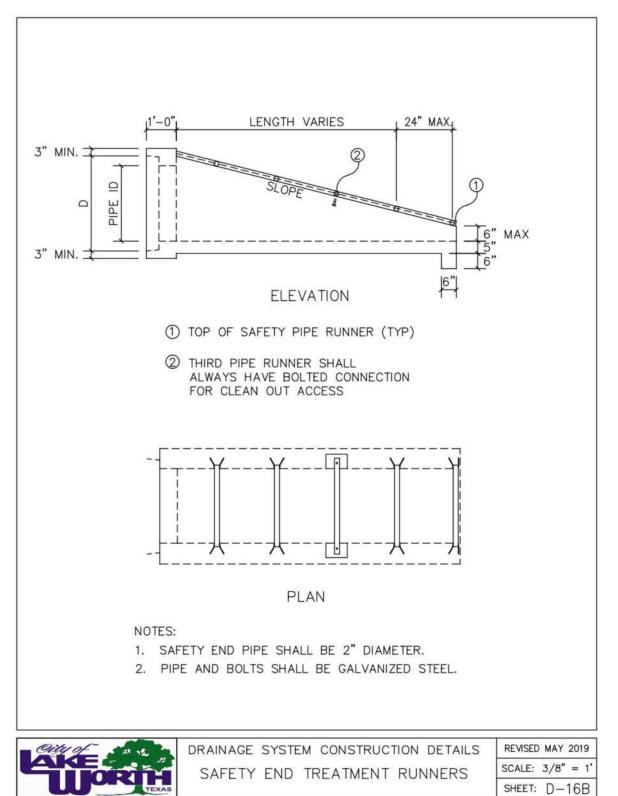
STORM

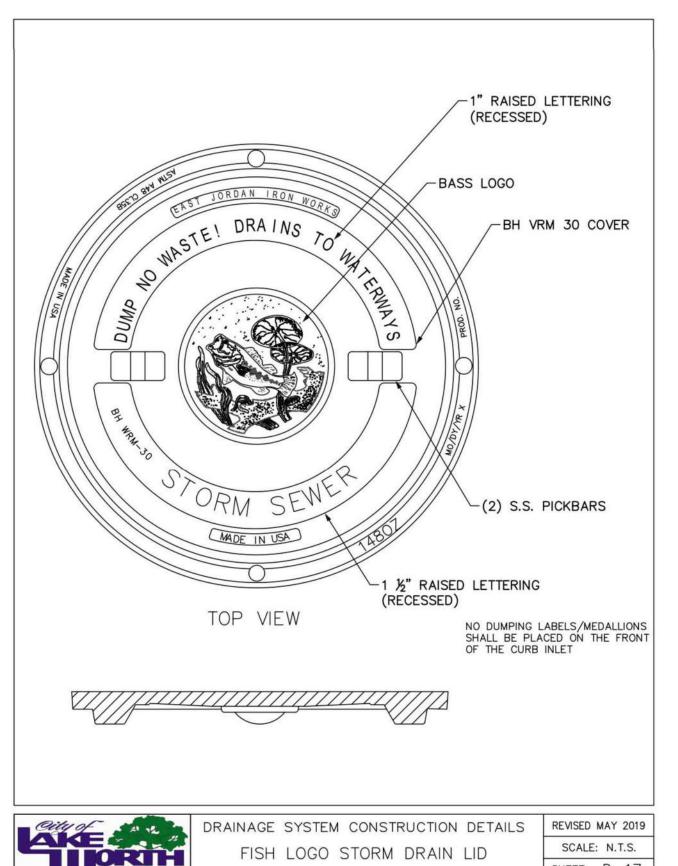


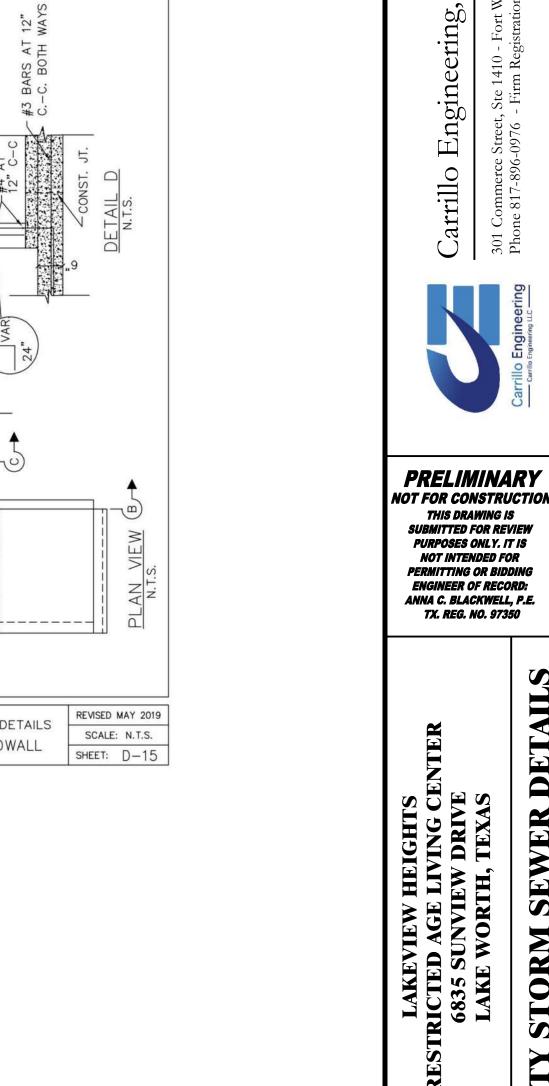


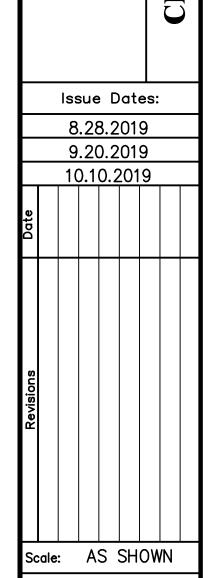












SEWER DETAILS

STORM

Drawn By: LJM Checked By: AA

Sheet

C9.05

DRAINAGE SYSTEM CONSTRUCTION DETAILS

REVISED MAY 2019

SCALE: 3/8" = 1' SHEET: D-16A SHEET: D-16B SHEET: D-17

OVERALL LANDSCAPE COLOR PLAN



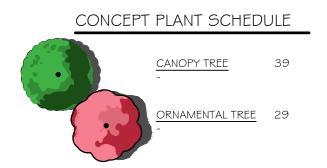
6' WOODEN FENCE SAMPLE PHOTO



MONUMENT SIGN SAMPLE PHOTO

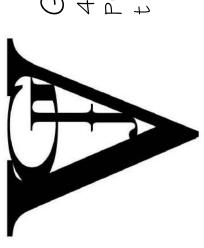


BRANDON INDUSTRIES STREET LIGHT



CITY REQUIREMENTS:

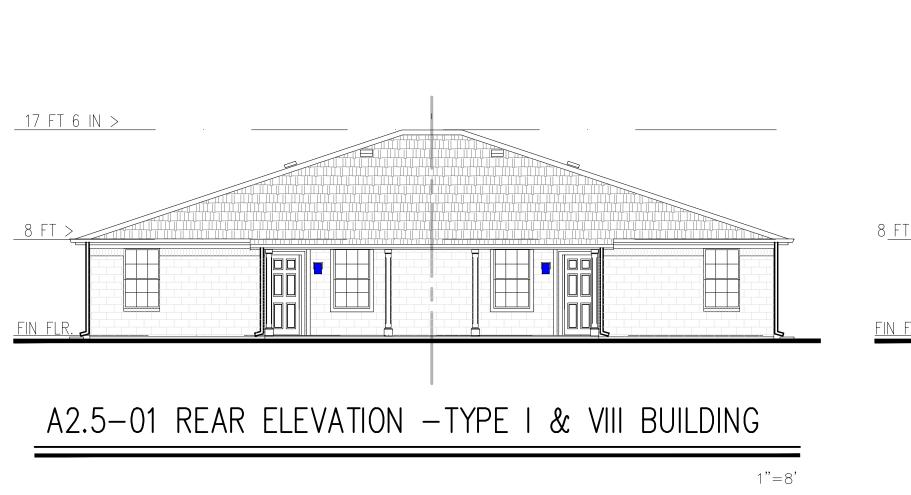
	REQ.	PROV.
LANDSCAPE AREA 20% OF THE SITE SHALL BE LANDSCAPE AREA 460,888SF X .20 = 92,178SF 40% OF REQUIRED LANDSCAPE AREA IN DESIGNATED FRONT YARD	92,178 (20%) N/A	221,096 (48%)

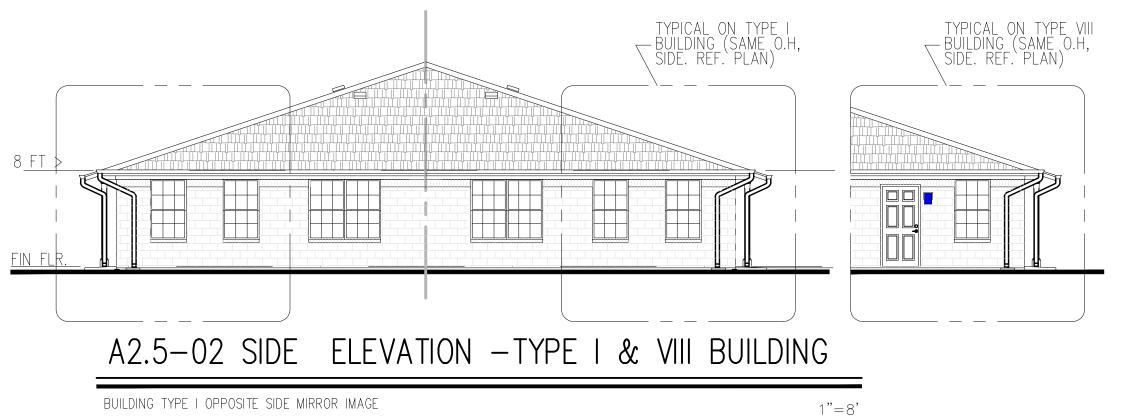


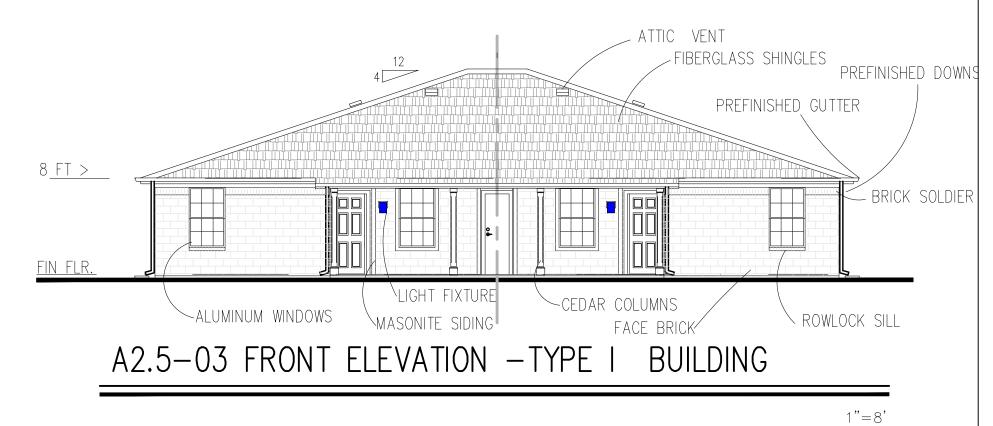
S CENTER

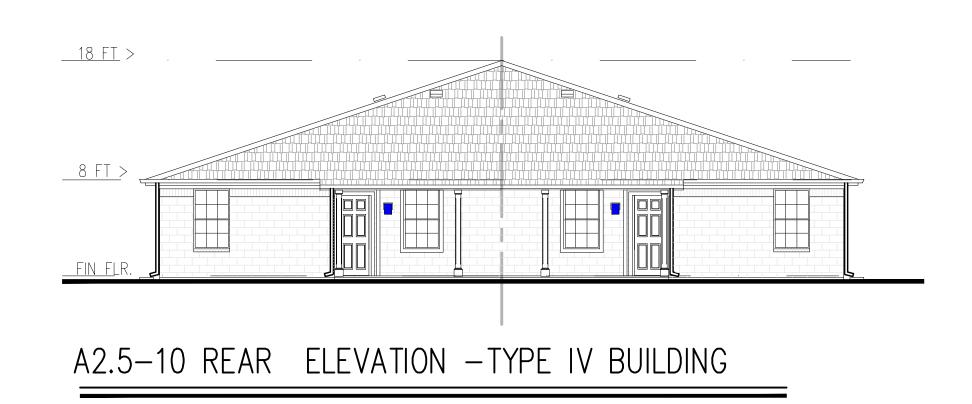
RESTRI

ANDSCAPE

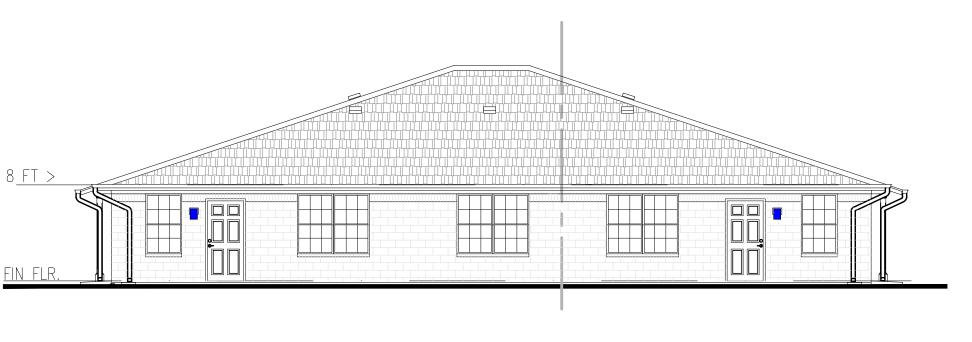


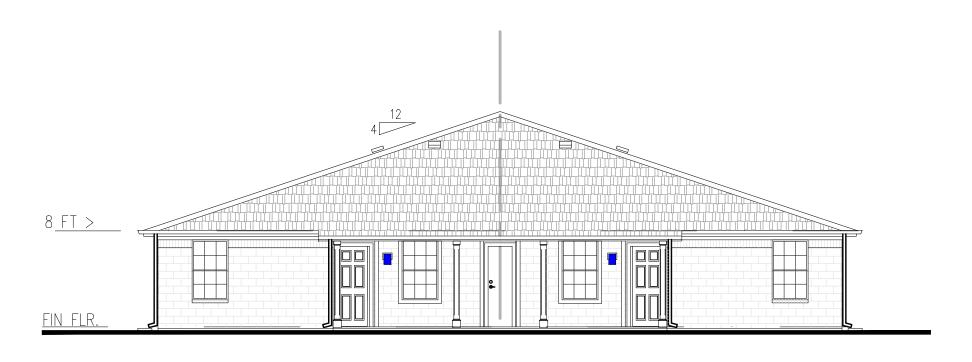






1"=8





A2.5-11 SIDE ELEVATION -TYPE IV BUILDING

BUILDING TYPE IV OPPOSITE SIDE MIRROR IMAGE

1"=8'

A2.5-12 FRONT ELEVATION -TYPE IV BUILDING

RED POINT DEVELOPMENT INC.
RICHARD SMITH ARCHITECT
2909 RACE STREET
FORT WORTH, TEXAS 76111
817-222-2300

CITY OF LAKE WORTH SENIOR ACTIVITIES CENTER 4400 HODGKINS ROAD LAKE WORTH, TEXAS 76135

NOT FOR
REGULATORY
REVIEW,
PERMITTING, OR
CONSTRUCTION

08-06-08

No. Date It

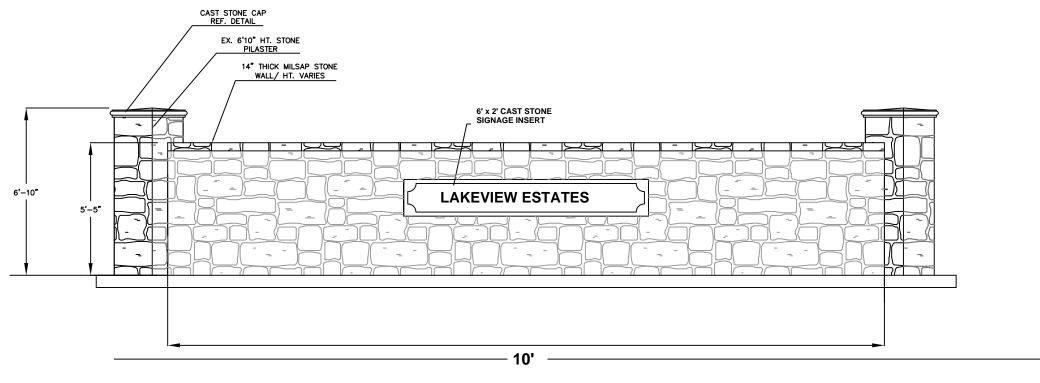
1"=8'

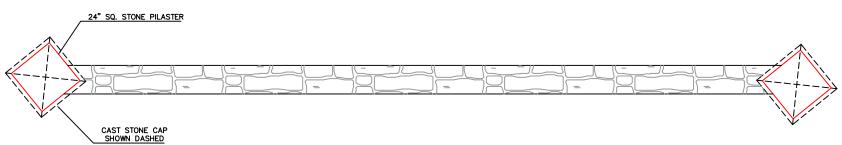
BUILDING ELEVATIONS

SHEET NUMBER

RPD CODE 08006

Date Sheet Created:

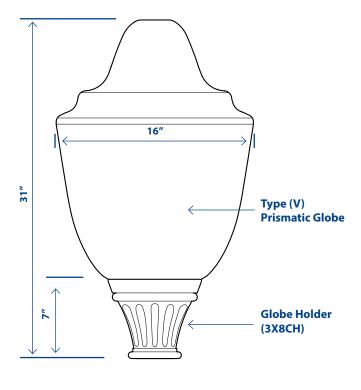






TRADITIONAL STYLE

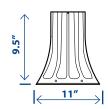






Base Footprint

Circular base pattern requiring four (4) 3/4" anchor bolts



1. Access Door Height 9.5" Width 11"

Specifications

Height: 25.5" Width: 17"

4" OD Pole Capacity

4" ODx.125" Wall Extruded Aluminum

Globe

Prismatic

Distribution

Type (V)
*Type (III) available as AMG

Fasteners

Stainless Steel

Finish

Polyester Powder-Coat **Electrostatically Applied &** Thermocured

EISA

Lamp Selector

LED

☐ LED

Incandescent

☐ Incandescent

High Pressure Sodium

- ☐ 35 Watt HPS
- ☐ 50 Watt HPS
- ☐ 70 Watt HPS
- ☐ 100 Watt HPS
- ☐ 150 Watt HPS
- ☐ 250 Watt HPS

Metal Halide

- ☐ 70 Watt MH
- ☐ 100 Watt MH
- ☐ 150 Watt MH
- ☐ 175 Watt MH
- ☐ 250 Watt MH

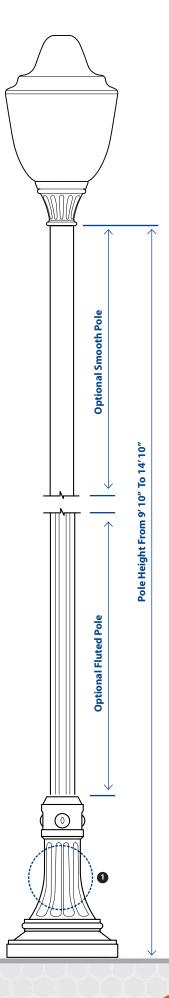
Additional Options

Pole Height

- □ CL60F 9'10"
- □CL61F - 10′ 10″
- 11'10" ☐ CL62F
- CL63F - 12′10″
- CL64F - 13′ 10″
- ☐ CL65F 14′10″

Pole Style

- □ Smooth
- □Fluted





BUILDING DEVELOPMENT SERVICES PLANNING & ZONING DIVISION 3805 ADAM GRUBB, LAKE WORTH, TEXAS 76135 817-255-7922 OR SMEASON@LAKEWORTHTX.ORG

FOR OFFICE USE	ONLY
Case No:	
Date Submitted:	

APPLICATION FOR DEVELOPMENT APPROVAL

(CHECK ALL THAT APPLY)						
ZONING CHANGE	LAND USE	X	SITE PLAN	SITE PLAN AMENDMENT		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	= <i></i>			
442C Hada	ukina Daad					
PROPERTY ADDRESS 4426 Hodgkins Road						
CURRENT LEGAL DESCRIPTION Lot 1, Block 2 Lakeview Heights Subdivision						
CURRENT ZONING CLASSIFICATION & LAND USE Multi-Family						
PROPOSED ZONING CLASSIFICATION	ON & LAND USE	Multi-Fa	amily			
TOTAL ACRES 10.58 # OF	LOTS_1		_,			
ADDI IOANT/DEVEL OPEN INCODIA	TION					
APPLICANT/DEVELOPER INFORMATION NAME Cortell Development Group	FION					
ADDRESS 4532 Lodestone	Lane			CITY Fort Worth		
(ZIP 76123		FMAII corree	n1989@gmail.com		
PHONE 817-422-2290			FAX			
V40 (004000000000000)			_170\			
PROPERTY OWNER INFORMATION NAME MEI Investments						
ADDRESS 1911 E. Division				CITY Arlington		
STATE_Texas	ZIP_76123		EMAIL_sam@	automax4u.com		
PHONE			_FAX			
SURVEYOR/ARCHITECT/ENGINEER	INFORMATION					
NAME Carrillo Engineering ADDRESS 201 Main Street				CITY Fort Worth		
STATE Texas	ZIP		гмын anna.b	lackwell@carrilloengineering.com		
	ZIP					
PHONE 817-456-9586			_FAX	*		
true and correct. I further understand that the p plans have been reviewed and accepted by C AUTHORIZATION FORM MUST BE COMPLETED	oublic hearing for this City staff. IF APPLIC	s project will ATION IS S	not be scheduled GIGNED BY SOMEO	rmation provided on this development application is until the application fee(s) have been paid and the NE OTHER THAN THE OWNER, THEN AN OWNER		
Concer C. Robertson	must be origin	al signature		7/18/2019		
SIGNATURE OF OWNER AGENT OF	R APPLICANT		- 0	DATE		

GENERAL INFORMATION

Civil construction plan submittals shall meet the following general sheet requirements and order:

 Cover Sheet with Vicinity Map (Project Name, Address, Legal Description, Type of Plan(s), and Current Date shall be shown on cover) Final Plat Site Layout Dimensional Control Plan Paving Plan and Profile Grading Plan Drainage Area Map Storm Sewer Layout Storm Sewer Plan and Profile Water Layout Sanitary Sewer Layout Sanitary Sewer Plan and Profile Storm Water Pollution Prevention Plan (Erosion Control Plan) Traffic Control Plan Standard Construction Details 					
Construction plans must be 100% complete at the time or returned unreviewed.	f submittal. Any incomplete sets of construction plans shall be				
Totalilos aliio ilosa					
	TAL 01/20// 10T				
	TALCHECKLIST plat application to be accepted and processed by this department:				
The following items must be turned in for the subdivision	plat application to be accepted and processed by this department.				
 DEVELOPMENT APPLICATION OWNER AUTHORIZATION FORM (IF APPLICAB 					
OWNER AUTHORIZATION FORM (IF APPLICAB APPLICATION FEE (VERIFY WITH P&Z ADMINISTRATION)					
FOUR (4) HARD COPIES OF DEVELOPMENT P	LAN, CIVIL CONSTRUCTION PLANS OR SITE PLAN				
AMENDMENT PLAN (WHICHEVER IS APPLICABE ELECTRONIC VERSION (.pdf) OF THE PLANS E					
OF	FICE USE ONLY				
Fee: 5,550.00	Public Hearing Newspaper Notice Deadline Date:				
Date Paid: 5-24-19	Public Hearing 200' Notification Deadline Date:				
Receipt #: <u>P19 - 05 14</u>	P&Z Commission Meeting Date:				
Ownership Verified:	City Council Meeting Date:				
✓ YES □ NO	Ammacual Data:				
Taxes Paid: ✓ YES □ NO	Approval Date: Ordinance Number:				
Liens Paid:	Instrument #:				
YES NO					

UPDATED

CITY OF LAKE WORTH

NOTICE OF PUBLIC HEARING

PLANNING AND ZONING COMMISSION

AND CITY COUNCIL

SITE PLAN REQUEST PLANNING & ZONING CASE #PZ-2019-21

You may own property within two hundred feet (200') of the property described in the notice below. The owner of the property has made application for a Site Plan (Age Restricted Senior Living). You are invited to attend and participate in the following public hearings regarding this application:

The Planning and Zoning Commission of the City of Lake Worth, Texas, will conduct the first of two public hearings at 6:30 p.m. on Tuesday, August 20, 2019, at Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider recommendations to the City Council regarding an Ordinance amending Ordinance No. 500, the Comprehensive Zoning Ordinance of the City of Lake Worth, so as to consider a site plan for the Age Restricted Senior Living Community an approximately 10.58-acre tract of land, currently legally known as Abstract 188, Tract 2CC, John Breeding Survey, Tarrant County, Texas, being that all of the certain called 10.58-acre parcel of land, which when platted will become Block 2, Lot 1, Lakeview Estates Subdivision recorded in the deed records of Tarrant County, Texas, by amending the Official Zoning Map to reflect such change. The property to be considered is generally described as a 10.58-acre parcel of land located at 4426 Hodgkins Road, Lake Worth, Texas. The City Council will conduct a second Public Hearing at 6:30 p.m. on Tuesday, September 10, 2019, at Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider the proposed site plan for the above listed property. All interested parties are encouraged to attend.

Please note the City Council public hearing was moved to Monday, October 7, 2019, same time and location. However, the public hearing will be recommended to be moved to the November 12, 2019 City Council Meeting at this meeting as the Planning & Zoning Commission moved to table the item until the October 15, 2019 meeting and Planning and Zoning must act on it prior to City Council.

MEI Investments LLC	Jose Hernandez	Douglas Alan Tr Frank
108 N Collins Street	6737 Wallis Road	152 Rainbow Dr #5236
Arlington, Texas 76011-7316	Lake Worth, Texas 76135-2215	Livingston, Texas 77399-1052
C E & Susie G Underwood, Jr.	Emily Anne Trice & Isaac Miguel Cadena	David M & Nancy L Love
4309 Lakeview Drive	6801 Wallis Road	4320 Lakeview Drive
Lake Worth, Texas 76135-2236	Lake Worth, Texas 76135	Lake Worth, Texas 76135-2234
Rick & Carol Chronister	Kathy Walker	Lee A C & Mi Suk Malins
2021 Walter Smith road	7375 Hickey Road	4324 Lakeview Drive
Azle, Texas 76020-4327	Azle, Texas 76020-5611	Lake Worth, Texas 76135-2234
Isaac Lee & Christy Colleen Lawrence	Sally Ann Love	Donna E & Jeffrey D Summers
6709 Wallis Road	6720 Wallis Road	4400 Lakeview Drive
Lake Worth, Texas 76135	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135-2233
Shekhinah Ent Inc	Kenneth Allen Westerman	Debra K & Randy Lee Haggard
6713 Wallis Road	6716 Wallis Road	6809 Wallis Road
Lake Worth, Texas 76135	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135
Sergio E & Maria Lopez	Lowell J & Lula Masterson	Pefector & E S Sanchez, Jr.
6717 Wallis Road	6712 Wallis Road	6813 Wallis Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135-2217
James F & Elke E Barnard	Lighthouse Homes LLC	Leonel Garcia
6721 Wallis Road	1909 Central Drive Ste 110	4913 Woodmeadow Drive
Lake Worth, Texas 76135-2215	Bedford, Texas 76021-5846	Fort Worth, Texas 76135-1824
Rebecca P Draus	Joe L & Blanca M Bejaran	Stacia Louise Scott
6725 Wallis Road	6704 Wallis Road	6821 Wallis Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2216	Lake Worth, Texas 76135-2217
Cynthia Donahue	Roberto & Maria Rubio	Wanda J Watts
6729 Wallis Road	4308 Lakeview Drive	6825 Wallis Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2234	Lake Worth, Texas 76135-2217
Mauro Cisneros	Preston James Ponder	Dominique A Martin
6733 Wallis Road	4312 Lakeview Drive	4400 Hodgkins Road
Lake Worth, Texas 76135-2215	Lake Worth, Texas 76135-2234	Lake Worth, Texas 76135-2137

Tjuana D Minter Rudolph & Glenda Thompson William C & Pamela Abshire 4404 Hodgkins Road 4408 Hodgkins Road PO Box 676 Lake Worth. Texas 76135-2137 Lake Worth, Texas 76135-2137 Azle. Texas 76098-0676 Yon Kim Yocum Todd E Hart Etal L B Leanord 6828 Wallis Road 6824 Wallis Road 609 Kentwood Circle Bedford, Texas 76021 Lake Worth, Texas 76135-2218 Lake Worth, Texas 76135-2218 Gene P Tate Joel Cordero Manuel Flores 4105 Highland Lake Drive 6812 Wallis Road 6808 Wallis Road Lake Worth, Texas 76135 Lake Worth, Texas 76135-2218 Lake Worth, Texas 76135-2218 Michelle & Andrew G Green Jane H Barber Joe A Pittman III 6804 Wallis Road 6800 Wallis Road 326 W Harwood Rd Apt C Hurst. Texas 76054 Lake Worth, Texas 76135-2218 Lake Worth. Texas 76135-2218 Susana Amador Kerry Lee Humphries Evelio & Resendiz Trejo 6000 Timberwolfe Lane 3229 Delaware Trail 6724 Wallis Road Fort Worth, Texas 76135-5214 Lake Worth, Texas 76135-3942 Lake Worth, Texas 76135-2216 Tina E Bailey Juan & Maricela Roa Tania Cole 4404 Lakeview Drive 4408 Lakeview Drive 4412 Lakeview Drive Lake Worth. Texas 76135-2233 Lake Worth, Texas 76135 Lake Worth, Texas 76135-2233 Theresa Goolsby Julian L & Maria R Uribe Jose Montoya Perez 4416 Lakeview Drive 4313 Lakeview Drive 4317 Lakeview Drive Lake Worth, Texas 76135-2233 Lake Worth, Texas 76135-2229 Lake Worth, Texas 76135-2229 Leonard F & Keri M Knight Cristine & Minnie M Bowen Earl A Bernard, Jr. 4321 Lakeview Drive 4325 Lakeview Drive 4401 Lakeview Drive Lake Worth, Texas 76135-2229 Lake Worth, Texas 76135-2229 Lake Worth, Texas 76135-2230 Hilario F Flores, Sr. Edward R Wanser Carmina Jimenez 4405 Lakeview Drive 4409 Lakeview Drive 4413 Lakeview Drive Lake Worth, Texas 76135-2230 Lake Worth, Texas 76135-2230 Lake Worth, Texas 76135-2230

Jose Noe Macias

4313 Plantation Drive

Benbrook, Texas 76116

Lavern Martine Est

4421 Lakeview Drive

Lake Worth, Texas 76135-2230

Timothy Kirk Chitty 6700 Lakeside Drive Lake Worth, Texas 76135-2212 KCS Properties Inc 1806 Layton Avenue Haltom City, Texas 76117

Krista Les Hilliard 6716 Lakeside Drive Lake Worth, Texas 76135-2212

Romola Lopez 3220 Browing Ct W Fort Worth, Texas 76116

Charla D Chambliss 6800 Lakeside Drive Lake Worth, Texas 76135

Betsy Tipton 6812 Lakeside Drive Lake Worth, Texas 76135

Antonio & Rebecca Frias 6824 Lakeside Drive Lake Worth, Texas 76135-2214

Lake Worth Baptist Church 4447 Hodgkins Road Lake Worth, Texas 76135-2136

Thomas W & Jo Anne Miller 4401 Hodgkins Road Lake Worth, Texas 76135-2136

Ed G & Patricia Haning 6817 Lakeside Drive Lake Worth, Texas 76135-2213 Alma R Pedraza 6512 Lakeside Cove Lake Worth, Texas 76135-1600

Michelle Swiney 6720 Lakeside Drive Lake Worth, Texas 76135-2212

Hector & Raquel Bazaldua 6732 Lakeside Drive Lake Worth, Texas 76135-2212

Steve Alan & Marla Nehrt 6804 Lakeside Drive Lake Worth, Texas 76135-2214

Homer A & Mary Jo Gibson PO Box 136096 Fort Worth, Texas 76136-0096

Rafael & Marceli Dominguez 4500 Hodgkins Road Lake Worth, Texas 76135-1613

Jose Luis Morales 4417 Hodgkins Road Lake Worth, Texas 76135-2136

Patrick Joseph Cummings 4324 Williams Spring Road Lake Worth, Texas 76135-2125 Rosa Reyes 6712 Lakeside Drive Lake Worth, Texas 76135-2212

Gloria G Traversie 6724 Lakeside Drive Lake Worth, Texa s76135-2212

Richard Arizola 6736 Lakeside Drive Lake Worth, Texas 76135-2212

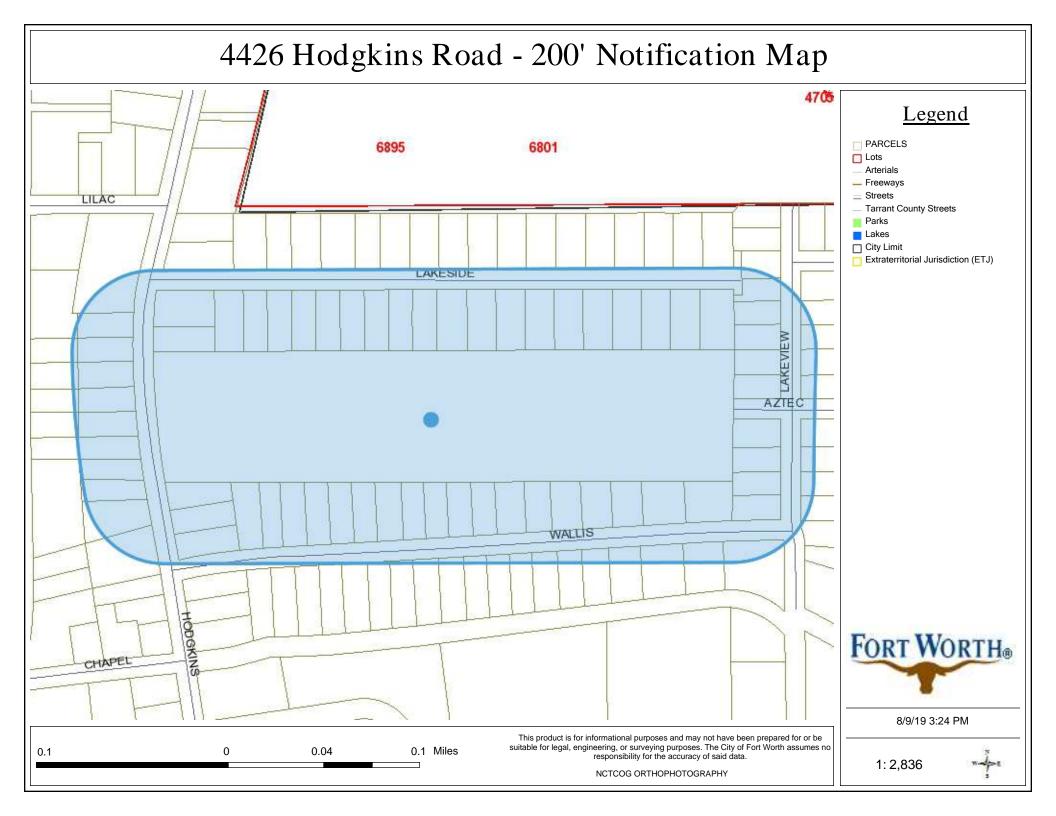
Betsy Tipton 6812 Lakeside Drive Lake Worth, Texas 76135

Arnoldo Murillo & Selena Barrera 6820 Lakeside Drive Lake Worth, Texas 76135

Lake Worth Baptist Church 4445 Hodgkins Road Lake Worth, Texas 76135-2136

Richard A & Minnie Eiswald 4409 Hodgkins Road Lake Worth, Texas 76135-2136

Florentino & Rosa Montalvo 12160 Saint Andrews Pl Miramar, FL 33025





3

Building Development Services Planning & Zoning Department 3805 Adam Grubb Lake Worth, Texas 76135 817-255-7922 or smeason@lakeworthtx.org



PUBLIC COMMENT FORM

Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)

*	#PZ-2019-21 (Site Plan - 4426 Hodgkins Road). For anything other than mobile [man factured] he I am AGAINST the proposed Site Plan as explained on the attached public notice for
	Property Owner Name: Charles Anderwood (Please print) Mailing Address: 4309 Lakeview Dr. Lake Worth TX 761 Phone: 8/7-78/-9720 Email: woody-su@hotmail.com Signature: Charles (within 200' of subject property): 4309 Lakeview Dr. Property Address(s) (within 200' of subject property): 4309 Lakeview Dr.
*	COMMENTS: The notice that came with this did not state what was planned (to be built) on the land other than it being an "age restricted senior living" area. It am for any building on the property other than mobile (manufuctured) homes.
	PLEASE TURN IN PUBLIC COMMENT FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN THURSDAY, AUGUST 15, 2019 @ NOON TO BE INCLUDED IN THE AGENDA PACKETS.
	For Office Use Only
	Property Address: 4309 Lakeview Drive
	Legal Description: BIK15, Lot1, Crestridge Addition Received By: BMeason Date: 8.14.19
	Date.



Building Development Services Planning & Zoning Department 3805 Adam Grubb Lake Worth, Texas 76135 817-255-7922 or smeason@lakeworthtx.org



PUBLIC COMMENT FORM

Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
I am FOR the proposed Site Plan as explained on the attached public notice for Case #PZ-2019-21 (Site Plan - 4426 Hodgkins Road).
I am AGAINST the proposed Site Plan as explained on the attached public notice for Case #PZ-2019-21 (Site Plan - 4426 Hodgkins Road).
Property Owner Name: EARL BERNARD
(Please print) Mailing Address: 4401 LA Keview Dr. LAKe Worth Tx. 76135
Phone: 817-360-3859 Email: EMAB522@ GMAil. COM
Signature: Earl Benard Date: 08-15-2019
Property Address(s) (within 200' of subject property): 4401 LAKEVIEW DR.
Zumina seladnistavior at 817-255-192 prismensomistus aventituenen
COMMENTS: To much Traffic in AREA. CARS, Food Trucks, etc.
PLEASE TURN IN PUBLIC COMMENT FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN THURSDAY, AUGUST 15, 2019 @ NOON TO BE INCLUDED IN THE AGENDA PACKETS.
For Office Use Only
Property Address: 4401 Lakeview Drive Legal Description: BIK 13, Lot 8, Crestridge Addition
Received By: 21 Lenson Date: 8.15.19



Building Development Services Planning & Zoning Department 3805 Adam Grubb Lake Worth, Texas 76135 817-255-7922 or smeason@lakeworthtx.org



PUBLIC COMMENT FORM

Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
I am FOR the proposed Site Plan as explained on the attached public notice for Case #PZ-2019-21 (Site Plan - 4426 Hodgkins Road).
I am AGAINST the proposed Site Plan as explained on the attached public notice for Case #PZ-2019-21 (Site Plan - 4426 Hodgkins Road).
Property Owner Name: PAT COMMINSS
(Please print)
Mailing Address: 4324 WILLIAMS SPRINGS Rd.
Phone: 817 2374044 Email:
Signature: Pat Cummings Date: 6-14-19
Property Address(s) (within 200' of subject property): 4324 Williams Sp. Rel.
comments: against site Plan
PLEASE TURN IN PUBLIC COMMENT FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN THURSDAY, AUGUST 15, 2019 @ NOON TO BE INCLUDED IN THE AGENDA PACKETS.
For Office Use Only
Property Address: 4324 Williams Spring Road
Legal Description: Abs. 188, Tracts 2RJ2R2, 2R3, 2TT, John Breeding
Received By: & Meason Date: S.14.19 SUNEY

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. D.3

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Public Hearing to consider Ordinance No. 1174, Planning and Zoning Case No.

PZ-2019-24, an Ordinance, amending Ordinance No. 802, so as to consider a site plan amendment of an approximate 1.45-acre parcel of land, legally known as Block 1, Lot 8, Lake Worth Towne Crossing Addition, Lake Worth, Tarrant County, Texas, being that all of the certain called 1.45-acre parcel of land recorded in the deed records of Tarrant County, Texas. The property to be considered is generally described as a 1.45-acre parcel of land located 6632 Lake Worth Blvd., Lake Worth, Texas. (PLANNING AND ZONING COMMISSION

RECOMMENDED APPROVAL BY A VOTE OF 7-0)

SUMMARY:

Property Description:

1.45-acre parcel of land, 6632 Lake Worth Blvd.

Property Owner(s):

Wachovia Bank NA, 333 Market FI 10th Street, San Francisco, CA 94105

Applicant:

CIM Group, Inc., 960 E. Discovery Lane, Anaheim, CA 92801

Engineer/Architect/Surveyor:

The Fitts Company, 55 Sirens Lane, Gaston, SC 29053

Current Zoning:

PC-Planned Commercial

Current Use(s):

Bank

Existing Road(s):

Lake Worth Blvd.

Surrounding Zoning:

North: The property to the north is currently zoned "PC" Planned Commercial.

South: The property to the south is currently zoned "PC" Planned Commercial.

East: The property to the east is currently zoned "PC" Planned Commercial.

West: The property to the west is currently zoned "PC" Planned Commercial.

Summary:

Wells Fargo Bank is requesting a site plan amendment to add an additional ATM kiosk at this location in the back of the property. The proposed location and look of the ATM have been attached for your reference.

Staff has no concerns with the location of the proposed ATM and feels that it will help keep the traffic flow moving for those patrons visiting the bank, since this is the only location within the city now.

Public Input:

On Friday, October 4, 2019 as required by State law, the City mailed out five (5) letters of Notification for Public Hearing to all property owners within two hundred (200') feet of the subject site. Notice was also published in the City's newspaper of record, the Fort Worth Star Telegram on Saturday, September 28, 2019.

Staff had received no public comment forms as of the packet preparation date.

The Planning & Zoning Commission voted 7-0 recommending approval.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Ordinance No. 1174
Site Plan Amendment Exhibit
Development Application
Owner Authorization
Public Hearing Notice
Public Hearing Notifications (within 200' of subject property)
Vicinity Map

RECOMMENDED MOTION OR ACTION:

Site plan amendments are at the discretion of the City Council.

ORDINANCE NO. 1174

AN ORDINANCE AMENDING ORDINANCE NO. 802, SO AS TO CONSIDER A SITE PLAN AMENDMENT, ATTACHED HERETO AS "EXHIBIT A" OF AN APPROXIMATELY 1.45-ACRE PARCEL OF LAND, LEGALLY KNOWN AS BLOCK 1, LOT 8, LAKE WORTH TOWNE CROSSING ADDITION, AND GENERALLY DESCRIBED AS 6632 LAKE WORTH BLVD., LAKE WORTH, TARRANT COUNTY, TEXAS; AMENDING THE OFFICIAL ZONING MAP; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A PENALTY CLAUSE; PROVIDING FOR SAVINGS; PROVIDING FOR SEVERABILITY; PROVIDING FOR ENGROSSMENT AND ENROLLMENT; PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND NAMING AN EFFECTIVE DATE.

WHEREAS, the City of Lake Worth is a Home Rule City acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, pursuant to Chapter 211 of the Local Government Code, the City has adopted a comprehensive zoning ordinance and map regulating the location and use of buildings, other structures and land for business, industrial, residential or other purposes, and providing for a method to amend said ordinance and map for promoting the public health, safety, morals and general welfare; and

WHEREAS, the owner of a 1.45-acre parcel of land located in Lake Worth, Texas, has initiated an application on the hereinafter described property to request a site plan amendment; and

WHEREAS, a public hearing was duly held by the Planning and Zoning Commission of the City of Lake Worth on October 15, 2019, and by the City Council of

the City of Lake Worth November 12, 2019, with respect to the zoning described herein;

and

WHEREAS, all requirements of law dealing with notice to other property owners,

publication and all procedural requirements have been complied with in accordance with

Chapter 211 of the Local Government Code; and

WHEREAS, the City Council of the City of Lake Worth, Texas, does hereby deem

it advisable and in the public interest to amend Ordinance No. 802, and to amend the

Official Zoning Map of the City, as described herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY

OF LAKE WORTH, TEXAS:

SECTION 1.

INCORPORATION OF PREMISES

The above and foregoing premises are true and correct and are incorporated

herein and made a part hereof for all purposes.

SECTION 2.

ORDINANCE 802 AMENDED

Ordinance No. 802 is hereby amended by approving a site plan amendment and

by amending the Official Zoning Map to reflect such change for the property hereinafter

described below:

Zoning Case No. PZ-2019-24

Owner: Wachovia Bank NA/Wells Fargo Bank NA

333 Market Street, 10th Floor

Page 2 of 6

San Francisco, CA 94105

Applicant: CIM Group, Inc.

960 E. Discovery Lane Anaheim, CA 92801

Legal Description: Block 1, Lot 8, Lake Worth Towne Crossing

Addition

Lake Worth, Tarrant County, Texas

Property Address: 6632 Lake Worth Blvd.

Property Zoning: "PC" Planned Commercial

Permitted use: The use and operation use of a Bank as more particularly

shown on the Amended Site Plan attached hereto as Exhibit

"A".

SECTION 3.

COMPLIANCE WITH SITE PLAN AND ORDINANCES

The use and development of the property shall be subject to all terms and conditions set forth in the Amended Site Plan attached hereto as Exhibit "A" in addition to all applicable regulations contained in the Comprehensive Zoning Ordinance and all other applicable and pertinent ordinances of the City of Lake Worth, Texas.

SECTION 4.

OFFICIAL ZONING MAP AMENDED

The City Secretary is hereby directed to amend the Official Zoning Map to reflect the changes in classification approved herein.

SECTION 5.

CUMULATIVE CLAUSE

This Ordinance shall be cumulative of all provisions of all other ordinances of the City of Lake Worth, Texas except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 6.

PENALTY CLAUSE

Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be fined not more than Two Thousand Dollars (\$2,000.00) for each offense. Each day that a violation is permitted to exist shall constitute a separate offense.

SECTION 7.

SEVERABILITY

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

SECTION 8.

SAVINGS

Page 4 of 6

All rights or remedies of the City of Lake Worth, Texas are expressly saved as to any and all violations of the provisions of any ordinance affecting zoning or land use, which have accrued at the time of the effective date of this Ordinance; and as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such Ordinances, same shall not be affected by this Ordinance but may be prosecuted until final disposition by the Courts.

SECTION 9.

ENGROSSMENT AND ENROLLMENT

The City Secretary of the City of Lake Worth is hereby directed to engross and enroll this Ordinance by copying the caption, publication clause and effective date clause in the minutes of the City Council and by filing the Ordinance in the Ordinance Records of the City.

SECTION 10.

PUBLICATION

The City Secretary of the City of Lake Worth is hereby directed to publish in the official newspaper of the City of Lake Worth, the caption, the penalty clause, publication clause, and effective date clause of this ordinance two (2) days as authorized by Section 52.013 of the Local Government Code.

SECTION 11.

EFFECTIVE DATE

This Ordinance shall be in full force and effect from and after its passage and publication as required by law, and it is so ordained.

PASSED AND APPROVED on the 12th day of November, 2019.

WELLS FARGO BANK NEW ATM - LAKE WORTH WEST

AND ΑT **ANCHOR BOLT ABV ABOVE ABOVE FINISHED FLOOR** A.F.F. **AGL ANGLE** ALT **ALTERNATE BLDG BUILDING** BLKD BLOCKED **BLK'G BLOCKING BELOW** BEAM **BOTTOM OF BOTTOM OF WALL** B.O.W. **BOTTOM BEARING BETWEEN** BTWN. BET **CAMBER** C.I.P. **CAST IN PLACE** C.J. **CONSTRUCTION JOINT** C/L **CENTER LINE** CLR CLEAR COL COLUMN CONC CONCRETE CONN. CONNECTION CONST CONSTRUCTION CONT CONTINUOUS CSK **COUNTERSINK DOUBLE** DIAMETER DIA, Ø DIAG **DIAGONAL** DLT **DEEP LEG TRAC DWG DRAWING** (E), EXIST **EXISTING** DWL **DOWEL** EACH E.F. **EACH FACE ELEVATION (DATUM) EMBED EMBEDMENT**

ABBREVIATIONS

TAT

Map created o 2/15/2019

1 inch = 400 fee

repared for or be suitable for legal, engineering, or surveying purposes does not represent an on-the-ground survey and represents only the perpairant relative location of processly boundaries.

EACH SIDE E.W. **EACH WAY EXTERIOR** FLG **FLANGE FLOOR** FLR FND **FOUNDATION** FINISH FACE **FINISH FACE OF** FACE OF F.O.C. **FACE OF CONCRETE** F.P. **FULL PENETRATION** FRAMING **FOOTING GALV GALVANIZED GRD** GRADE **HDR HEADER** HORIZ, (H) HORIZONTAL **HEIGHT HIGH STRENGTH BOLTS** H.S.B. **INTERIOR JOINT** JOIST(S)

POUND

MAXIMUM

MINIMUM

ON CENTER

NEW

OVER

OPENING

PIECE

PLATE

REMOVE

LONGITUDINAL

MACHINE BOLT

NOT IN CONTRACT

OPPOSITE HAND

PRESSURE TREATED

LONG

LONGIT

OVR, O/

OPEN'G

MAX

RE: **REINF** REQ'D **REQM'TS** RF **SCHED** SMS S.O.G. **SPCG STGRD** STIFF STL STRUC THD T.O. T.O.C. T.O.F. T.O.S. T.O.W. **TYP** U.N.O. VERT, (V) W/O

W/R

WHS

WT, WGT

(RE)

REMOVE & RELOCATE RELOCATED **REFER TO** REINFORCING REQUIRED **REQUIREMENTS** ROOF **SCHEDULE** SIMILAR SHEET METAL SCREW **SQUARE**

SLAB ON GRADE SPACING STAGGERED STIFFENER STEEL **STRUCTURE** STRUCT, STR STRUCTURAL **TOP & BOTTOM** THREAD TOP OF **TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRANSVERSE** STRUCTURAL TUBING, (TUBE STEEL) **TYPICAL VERTICAL** WITH

UNLESS NOTED OTHERWISE WITHOUT WATER RESISTANT WELDED HEADED STUD **WORK POINT WOOD SCREW** WEIGHT

WELDED WIRE

FABRIC

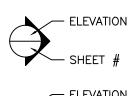
KEYNOTE SYMBOL

GRID REFERENCE

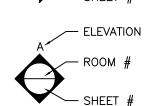
NORTH ARROW

DETAIL REFERENCE

SECTION



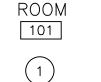
EXTERIOR ELEVATION



INTERIOR ELEVATION

Α

SCOPE OF WORK NOTE

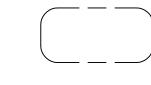


DOOR REFERENCE

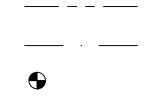
ROOM NAME



WINDOW REFERENCE



DETAILED PLAN/ ENLARGED AREAPLAN

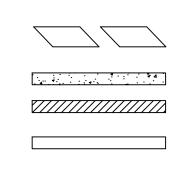


PROPERTY LINE CENTER LINE

BREAK LINE

BE REMOVED

DATUM/BENCH MARK



CONCRETE WALL MASONRY WALL EXISTING 2x4 OR 2x6 WALL TO REMAIN EXISTING WALL/AREA TO

NEW 2x4 OR 2x6 WALL TO BE CONSTRUCTED

PROJECT ADDRESS 6632 LAKE WORTH BLVD LAKE WORTH, TX 76135 **GEOREFERENCE** 23246A-1-8 **NEIGHBORHOOD CODE** BANK GENERAL TAD MAP 2018-416 MAPSCO TAR-046T STATE CODE

F1 COMMERCIAL

ZONING DESIGNATIONS & PROPOSED USE(s) ZONING: PC-PLANNED COMMERCIAL LAND USE: BANK LOT SIZE

1.45 Ac / 63,162 Sq. Ft.

LEGAL DESCRIPTION LAKE WORTH TOWNE CROSSING ADDN Block 1 Lot 8

• 2012 International Building Code (IBC) w/ Amendments

• 2012 International Fire Code (IFC) w/ Local Amendments

• 2011 National Electric Code (NEC) w/ Amendments

PROJECT PROPONENT **WELLS FARGO BANK**

WACHOVIA BANK NA / WELLS FARGO BANK NA

525 MARKET STREET 8TH FLOOR SAN FRANCISCO, CA 94105

PROPERTY OWNER

(415) 222-6745

333 MARKET ST 10TH FL

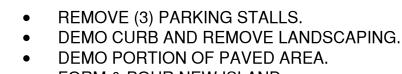
SAN FRANCISCO, CA 94105-2101

PROJECT COORDINATOR CIM GROUP INC 960 E DISCOVER LANE ANAHEIM, CA 92801

PROJECT TEAM

INSTALL ATM WITH NEW ATM ENCLOSURE AND ASSOCIATED WORK.

PROJECT OVERVIEW PROJECT DATA



- FORM & POUR NEW ISLAND. FORM & POUR NEW PAVED AREA. INSTALL NEW WFB3885 ENCLOSURE.
- INSTALL NEW NCR 6688 ATM. INSTALL (5) NEW BOLLARDS WITH COVERS. PAINT NEW LANE STRIPING & DIRECTIONAL ARROWS.
- INSTALL (1) NEW LIGHT STANDARD.

INSTALL (2) NEW L.E.D. LIGHT FIXTURES. • INSTALL NEW VHD (VEHICLE HEIGHT DETECTOR).



SYMBOL LEGEND

EXISTING RENDERING



GENERAL INFORMATION AO.O GENERAL INFORMATION

ARCHITECTURAL A1.0 SITE PLAN

PLAN VIEW (EXISTING)
PLAN VIEW (PROPOSED)

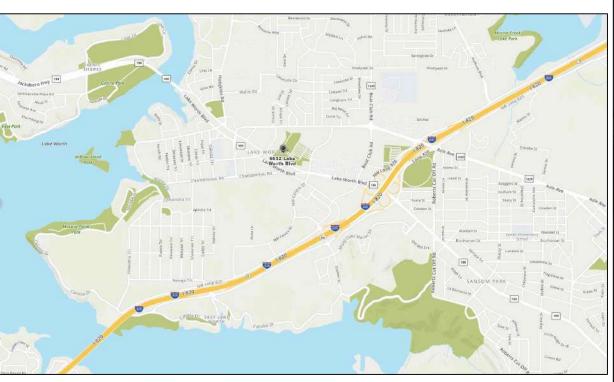
GENERAL DETAILS EXTERIOR ELEVATION (PROPOSED)

ISLAND DETAILS REFERENCE DETAILS REFERENCE DETAILS

ACCESSIBLE SPECIFICATIONS **ELECTRICAL DETAILS**

ELECTRICAL PLAN SINGLE LINE DIAGRAM GENERAL DETAILS

STRUCTURAL DETAILS 1-7 ATTACHED



PARCEL MAP

VICINITY MAP 💎

2018-416

PROPOSED RENDERING

SHEET SCHEDULE

 $\mathbf{\Omega}$

AILS

 \bigcirc

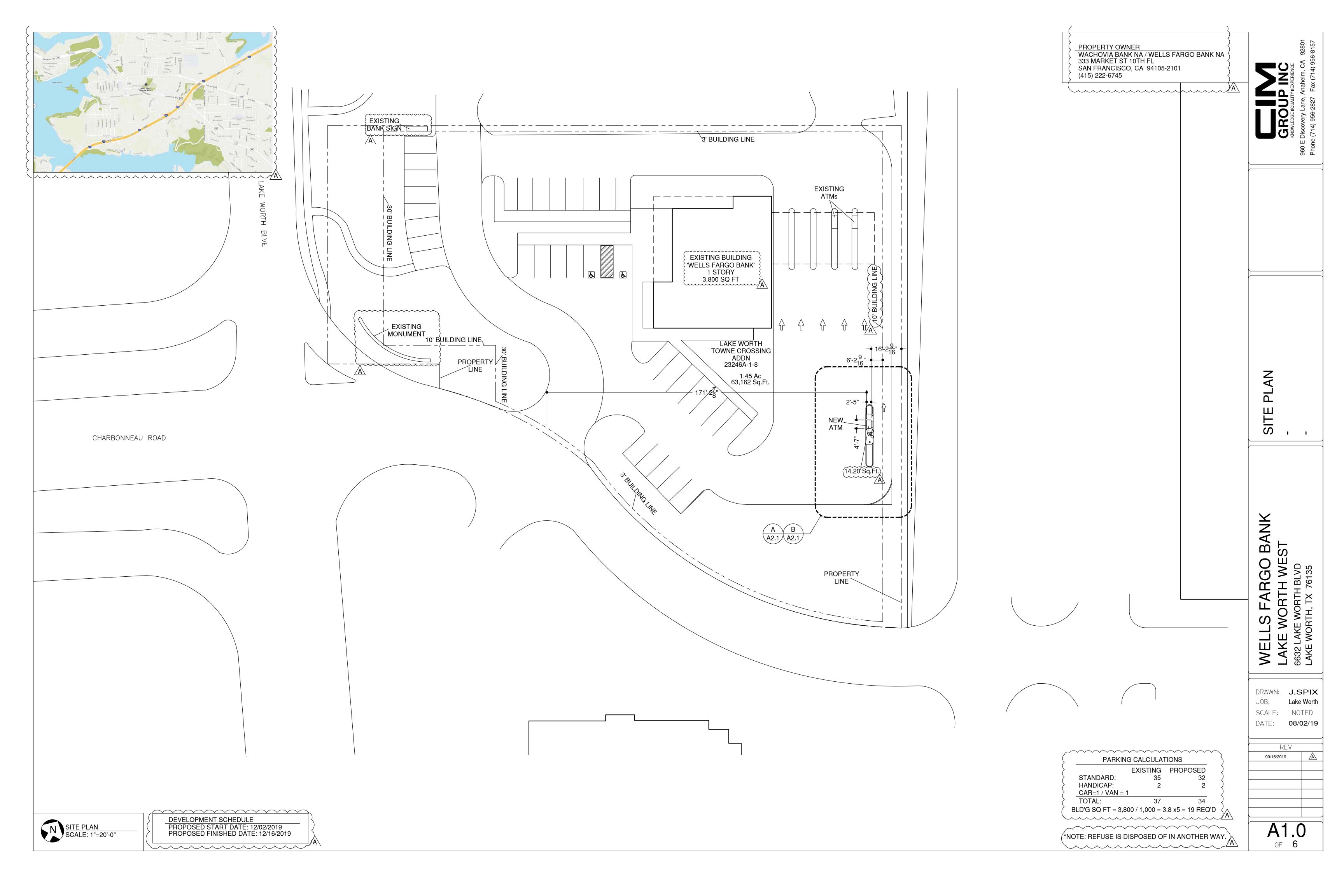
PR

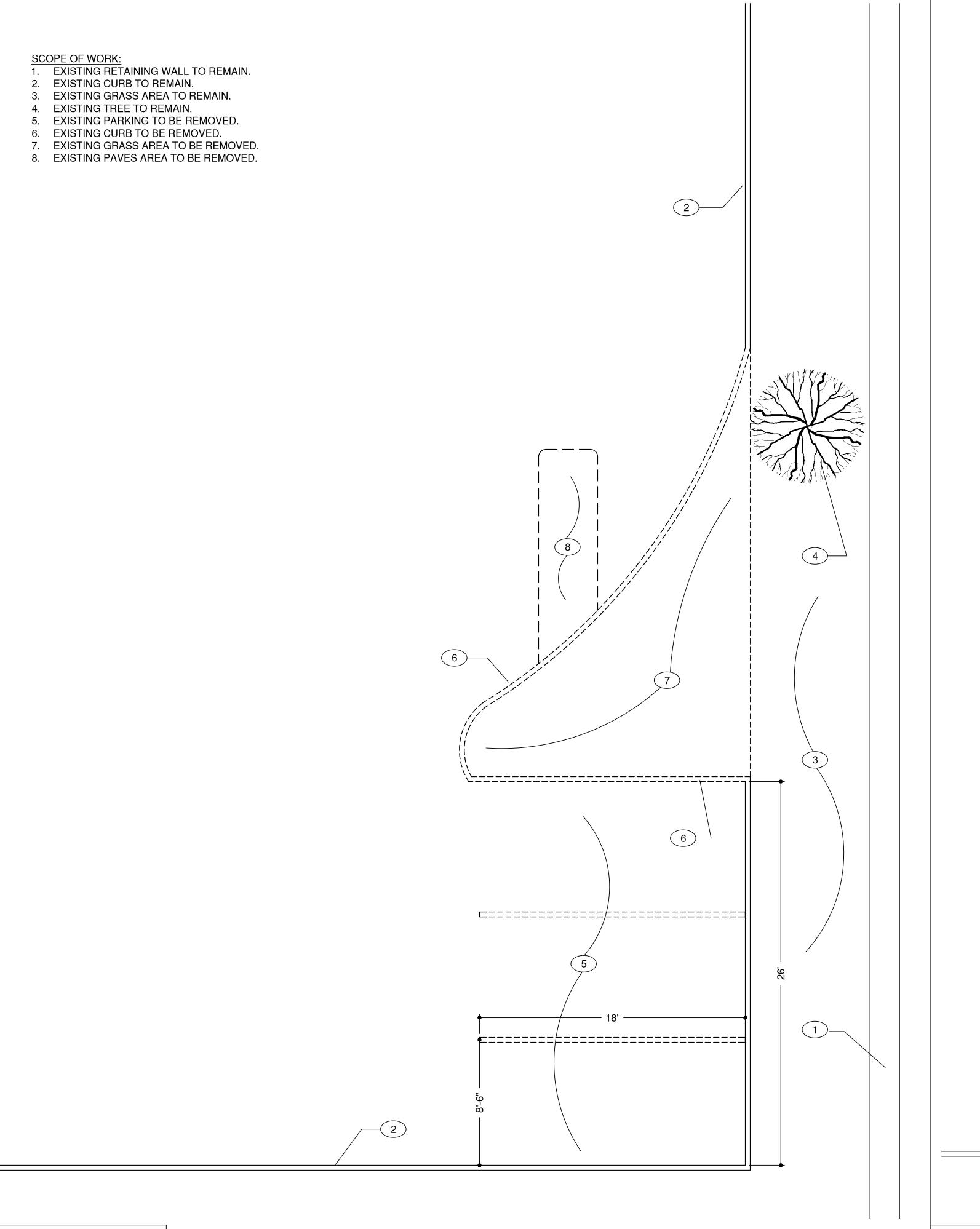
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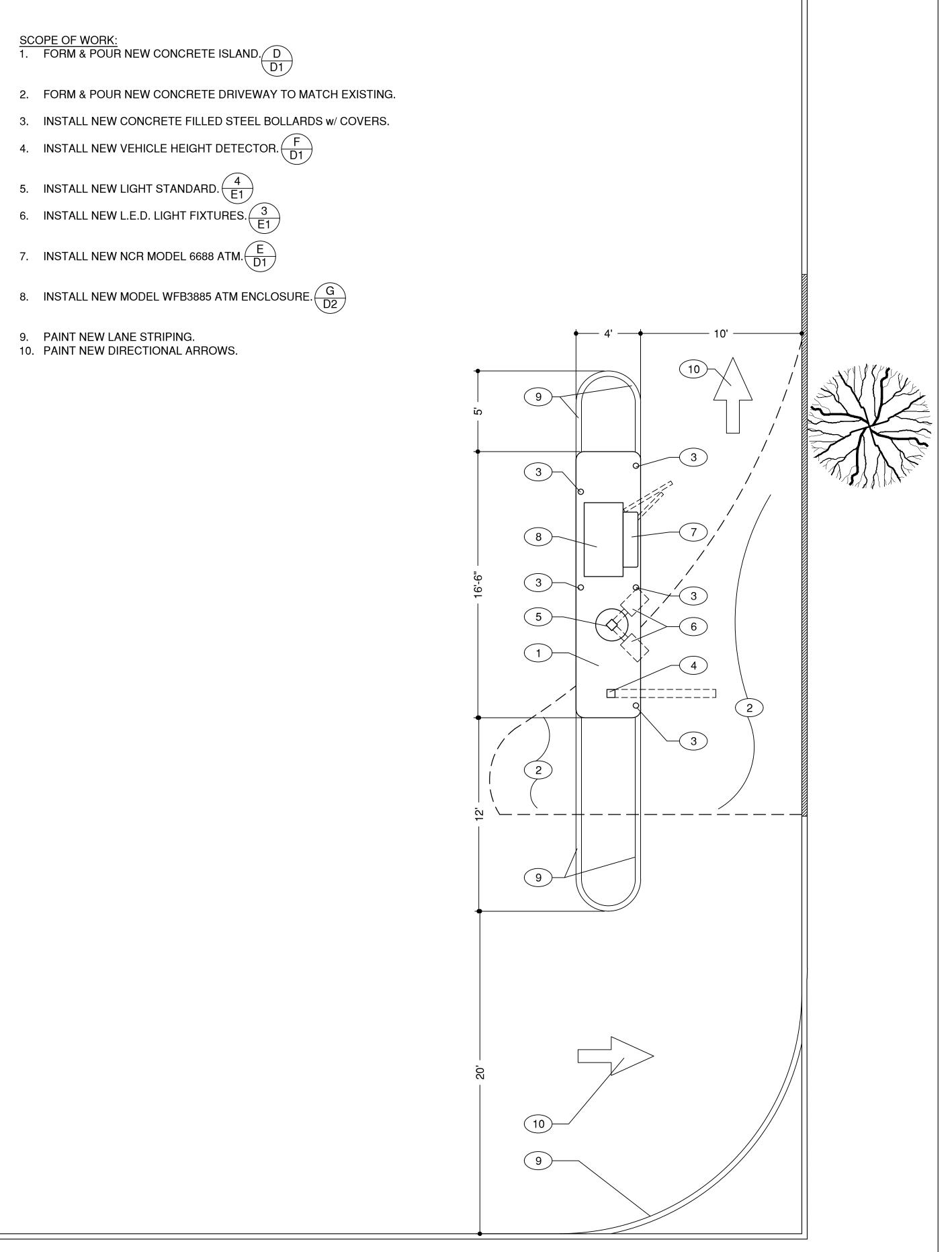
DRAWN: J.SPIX Lake Worth SCALE: 08/02/19 DATE:

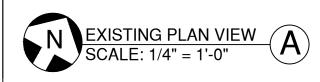
REV 09/16/2019

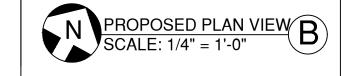
A0.0 OF **6**











GROUP INC
KNOWLEDGE IQUALITY EXPERIENCE
KNOWLEDGE IQUALITY EXPERIENCE
AND E Discovery Lane, Anaheim, CA 92
hone (714) 956-2827 Fax (714) 956-8

PLAN VIEW (EXISTING)
PLAN VIEW (PROPOSED)

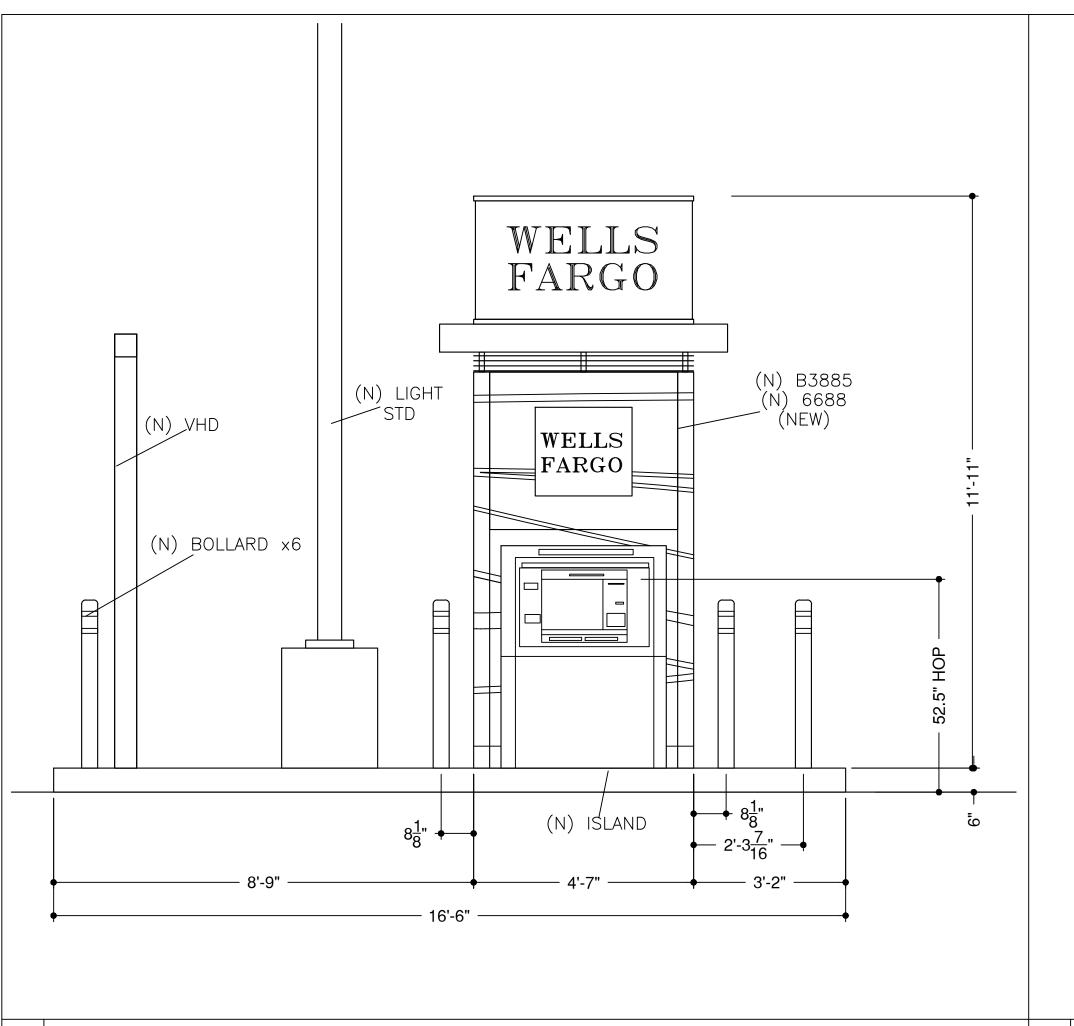
LAKE WORTH BLVD

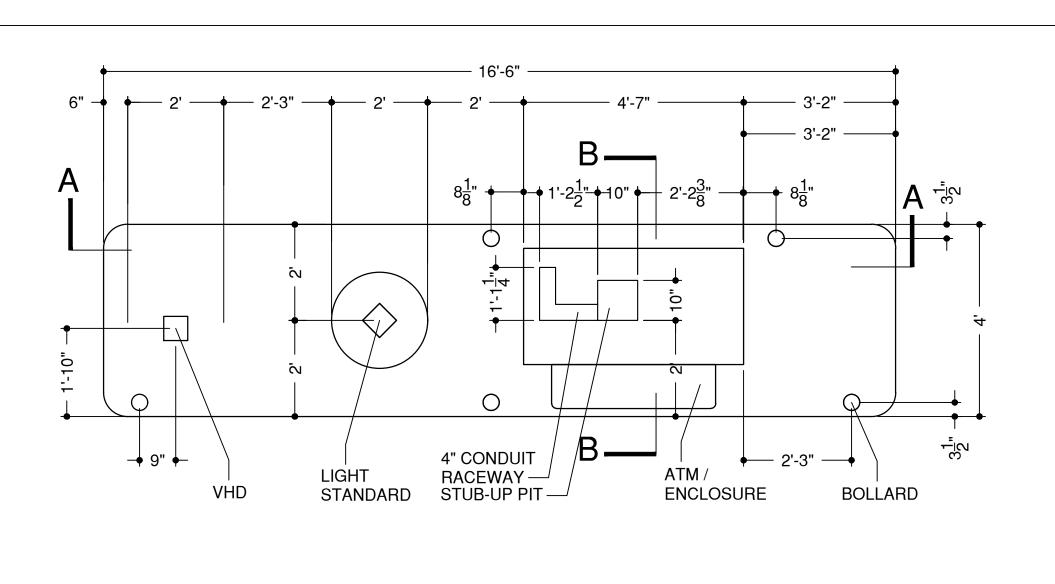
1 AKF WORTH TX 76135

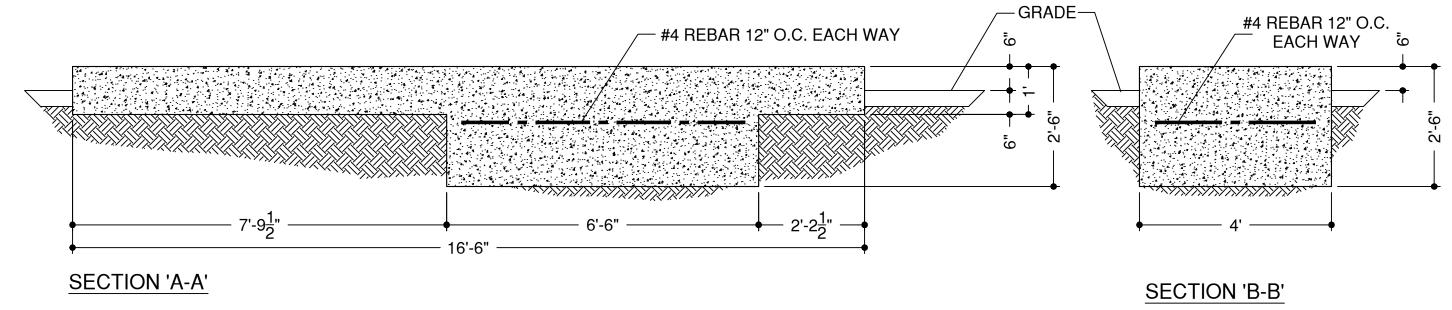
DRAWN: J.SPIX
JOB: Lake Worth
SCALE: NOTED
DATE: 08/02/19

REV

A2.1







NOTE: FOR ADDITIONAL STRUCTURAL DETAILS & STRUCTURAL STAMP SEE ATTACHED MANUFACTURER DRAWINGS

C EXTERIOR ELEVATION

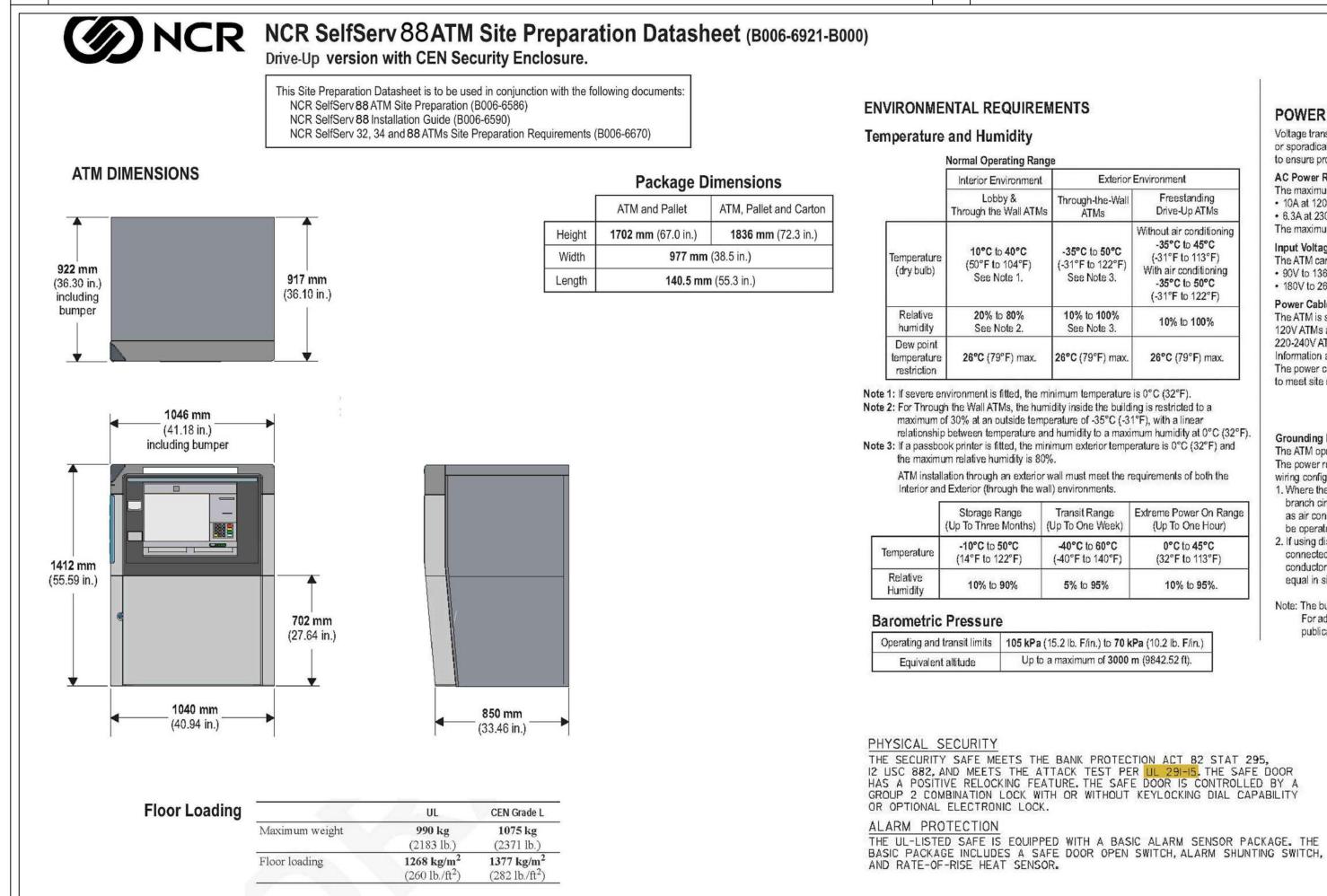
E ATM MANUFACTURER DETAILS

D ISLAND DETAILS

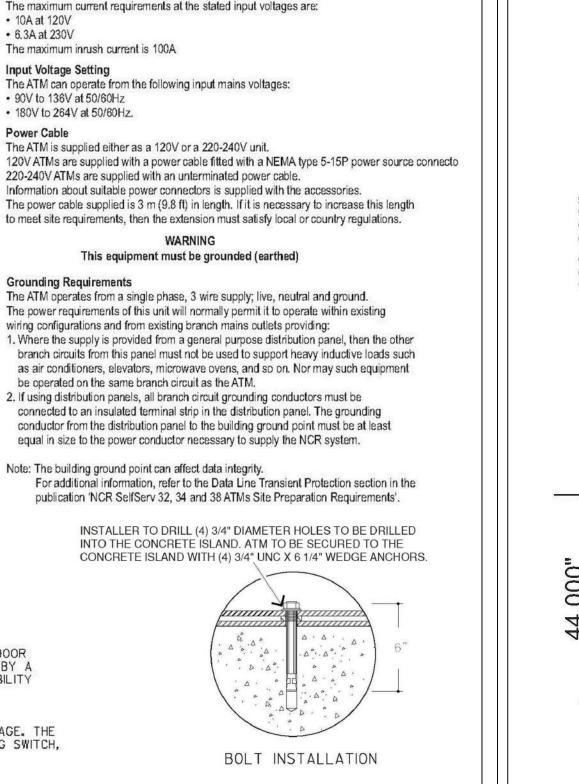
5% to 95%

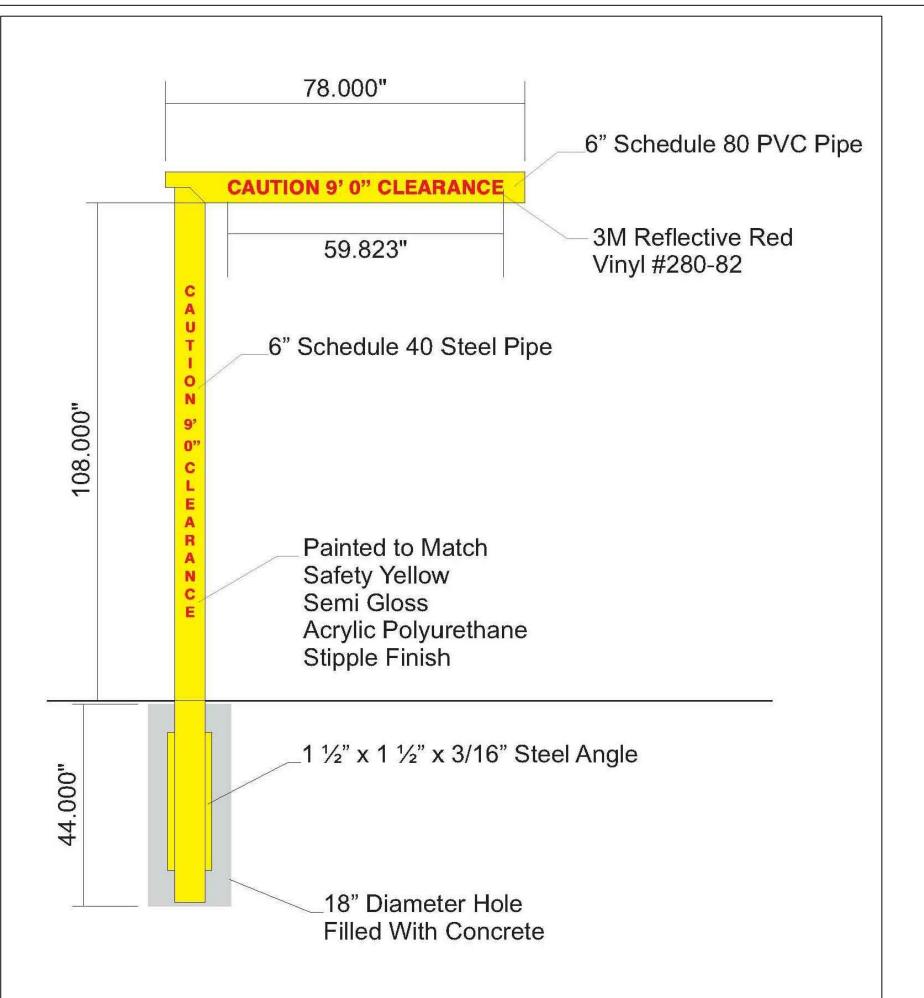
Up to a maximum of 3000 m (9842.52 ft).

10% to 95%.



ONME	NTAL REQUIRE	MENTS		POWER REQUIREMENTS		
rature	and Humidity Normal Operating Rang	je		Voltage transients, line noise, surges, sags, impulses, and spikes may be experienced routinely or sporadically. When such phenomena occur, the use of protective devices may be required to ensure proper operation of the equipment.		
	Interior Environment Exterior Environment			AC Power Requirements		
	Lobby & Through the Wall ATMs	Through-the-Wall ATMs	Freestanding Drive-Up ATMs	The maximum current requirements at the stated input voltages are: • 10A at 120V • 6.3A at 230V		
perature y bulb)	(PU) F to 1010 F1 1 (310 F to 1770 F1	The maximum inrush current is 100A Input Voltage Setting The ATM can operate from the following input mains voltages: 90V to 136V at 50/60Hz 180V to 264V at 50/60Hz. Power Cable				
elative ımidity	20% to 80% See Note 2.	10% to 100% See Note 3.	10% to 100%	The ATM is supplied either as a 120V or a 220-240V unit. 120V ATMs are supplied with a power cable fitted with a NEMA type 5-15P power source connecto		
w point perature striction	26°C (79°F) max.	26°C (79°F) max.	26°C (79°F) max.	220-240V ATMs are supplied with an unterminated power cable. Information about suitable power connectors is supplied with the accessories. The power cable supplied is 3 m (9.8 ft) in length. If it is necessary to increase this length to meet site requirements, then the extension must satisfy local or country regulations.		
r Throug aximum o ationship a passbo maximo M instal	nvironment is fitted, the many the Wall ATMs, the humber 30% at an outside tempe between temperature and pok printer is fitted, the mirum relative humidity is 80% lation through an exterior of Exterior (through the wa	idity inside the build erature of -35°C (-3 d humidity to a max imum exterior temp %. wall must meet the r	ling is restricted to a 1°F), with a linear imum humidity at 0°C (32°F). erature is 0°C (32°F) and	WARNING This equipment must be grounded (earthed) Grounding Requirements The ATM operates from a single phase, 3 wire supply; live, neutral and ground. The power requirements of this unit will normally permit it to operate within existing wiring configurations and from existing branch mains outlets providing: 1. Where the supply is provided from a general purpose distribution panel, then the other branch circuits from this panel must not be used to support heavy inductive loads such		
	Storage Range (Up To Three Months)	Transit Range (Up To One Week)	Extreme Power On Range (Up To One Hour)	as air conditioners, elevators, microwave ovens, and so on. Nor may such equipment be operated on the same branch circuit as the ATM.		
rature	-10°C to 50°C (14°F to 122°F)	-40°C to 60°C (-40°F to 140°F)	0°C to 45°C (32°F to 113°F)	If using distribution panels, all branch circuit grounding conductors must be connected to an insulated terminal strip in the distribution panel. The grounding conductor from the distribution panel to the building ground point must be at least		





F VEHICLE HEIGHT DETECTOR

DRAWN: J.SPIX JOB: Lake Worth SCALE: NOTED 08/02/19 DATE: REV OF



G ATM ENCLOSURE DETAILS

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

220 Automatic Teller Machines and Fare Machines

220.1 General. Where automatic teller machines or self—service fare vending, collection, or adjustment machines are provided, at least one of each type provided at each location shall comply with 707. Where bins are provided for envelopes, waste paper, or other purposes, at least one of each type shall comply with 811.

308 Reach Ranges

308.1 General. Reach ranges shall comply with 308.

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground. **EXCEPTIONS:**

- 1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum.
- 2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

309 Operable Parts

309.1 General. Operable parts shall comply with 309.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

707 Automatic Teller Machines and Fare Machines

707.1 General. Automatic teller machines and fare machines shall comply with 707.

707.2 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided.

EXCEPTION: Clear floor or ground space shall not be required at drive—up only automatic teller machines and fare machines. 707.3 Operable Parts. Operable parts shall comply with 309. Unless a clear or correct key is provided, each operable part shall be able to be differentiated by sound or touch, without activation.

EXCEPTION: Drive—up only automatic teller machines and fare machines shall not be required to comply with 309.2 and 309.3. 707.4 Privacy. Automatic teller machines shall provide the opportunity for the same degree of privacy of input and output

707.5 Speech Output. Machines shall be speech enabled. Operating instructions and orientation, visible transaction prompts, user nput verification, error messages, and all displayed information for full use shall be accessible to and independently usable b individuals with vision impairments. Speech shall be delivered through a mechanism that is readily available to all users, including but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or

EXCEPTIONS:

1. Audible tones shall be permitted instead of speech for visible output that is not displayed for security purposes, including but not limited to, asterisks representing personal identification numbers.

2. Advertisements and other similar information shall not be required to be audible unless they convey information that can be used in the transaction being conducted.

3. Where speech synthesis cannot be supported, dynamic alphabetic output shall not be required to be audible.

707.5.1 User Control. Speech shall be capable of being repeated or interrupted. Volume control shall be provided for the speech function.

EXCEPTION: Speech output for any single function shall be permitted to be automatically interrupted when a transaction is selected.

707.5.2 Receipts. Where receipts are provided, speech output devices shall provide audible balance inquiry information, error messages, and all other information on the printed receipt necessary to complete or verify the transaction.

1. Machine location, date and time of transaction, customer account number, and the machine identifier shall not be required to be audible.

2. Information on printed receipts that duplicates information available on—screen shall not be required to be presented in the form of an audible receipt.

3. Printed copies of bank statements and checks shall not be required to be audible.

only method of input, each shall be tactilely discernable from surrounding surfaces and adjacent keys.

707.6 Input. Input devices shall comply with 707.6. 707.6.1 Input Controls. At least one tactilely discernible input control shall be provided for each function. Where provided, key surfaces not on active areas of display screens, shall be raised above surrounding surfaces. Where membrane keys are the

707.6.2 Numeric Keys. Numeric keys shall be arranged in a 12-key ascending or descending telephone keypad layout. The number five key shall be tactilely distinct from the other keys.

707.6.3 Function Keys. Function keys shall comply with 707.6.3.

707.6.3.1 Contrast. Function keys shall contrast visually from background surfaces. Characters and symbols on key surfaces shall contrast visually from key surfaces. Visual contrast shall be either light—on—dark or dark—on—light. EXCEPTION: Tactile symbols required by 707.6.3.2 shall not be required to comply with 707.6.3.1.

707.6.3.2 Tactile Symbols. Function key surfaces shall have tactile symbols as follows: Enter or Proceed key: raised circle; Clear or Correct key: raised left arrow; Cancel key: raised letter ex; Add Value key: raised plus sign; Decrease Value key: raised minus sign.

707.7 Display Screen. The display screen shall comply with 707.7.

EXCEPTION: Drive—up only automatic teller machines and fare machines shall not be required to comply with 707.7.1. 707.7.2 Characters. Characters displayed on the screen shall be in a sans serif font. Characters shall be 3/16 inch (4.8

mm) high minimum based on the uppercase letter "I". Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

707.8 Braille Instructions. Braille instructions for initiating the speech mode shall be provided. Braille shall comply with 703.3.

BRAILLE DIMENSIONS

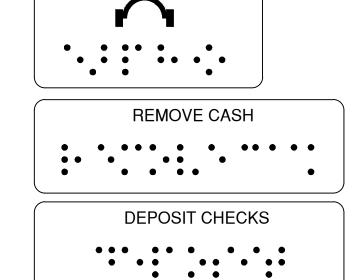
DOT BASE DIAMETER .059-.063 DISTANCE BETWEEN 2 DOTS .090-.100 IN THE SAME CELL DISTANCE BETWEEN .241-.300

CORRESPONDING DOTS IN ADJACENT CELLS DOT HEIGHT

.025-.037 DISTANCE BETWEEN CORRESPONDING .395-.400 DOTS FROM ONE CELL DIRECTLY BELOW

ATM BRAILLE DECALS

REMOVE STATEMENT INSERT CARD • • • • • • • •



DRIVE THRU ATM IS EXEMPT FROM SECTION 707.2 (REF: 305). CLEAR FLOOR SPACE & GROUND SPACE. DRIVE THRU ATM IS EXEMPT FROM SECTION 707.3 (REF: 309.2 & 309.3). OPERABLE REACH.

DRIVE THRU ATM MEETS SECTION 707.3 (REF: 309.4). OPERABLE PARTS.

DRIVE THRU ATM MEETS SECTION 707.4. PRIVACY.

DRIVE THRU ATM MEETS SECTION 707.5. SPEECH OUTPUT. DRIVE THRU ATM MEETS SECTION 707.6. INPUT.

DRIVE THRU ATM IS EXEMPT FROM SECTION 707.7.1. DISPLAY SCREEN.

DRIVE THRU ATM MEETS SECTION 707.7.2. DISPLAY CHARACTERS

DRIVE THRU ATM MEETS SECTION 707.8. BRAILLE INSTRUCTIONS.

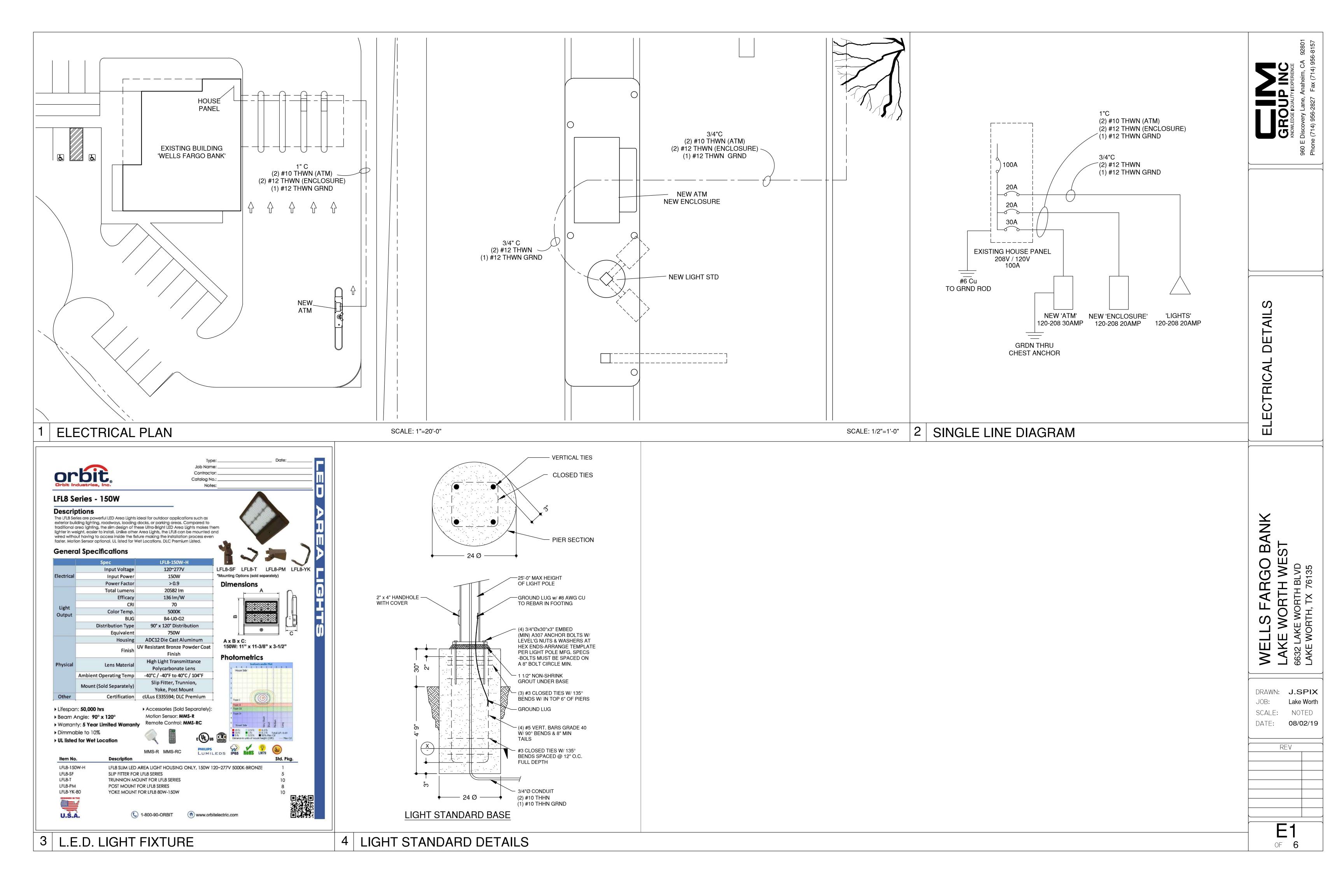
CE

 \Box

DRAWN: J.SPIX JOB: Lake Worth SCALE: NOTED 08/02/19 DATE:

REV

OF





BUILDING DEVELOPMENT SERVICES

PLANNING & ZONING DIVISION 3805 ADAM GRUBB, LAKE WORTH, TEXAS 76135 817-255-7922 OR <u>SMEASON@LAKEWORTHTX.ORG</u> FOR OFFICE USE ONLY
Case No: 2019-24
Date Submitted: 9:18:19

APPLICATION FOR DEVELOPMENT APPROVAL

(CHECK ALL THAT APPLY)				
ZONING CHANGE	LAND USE _	SITE PLAN	X SITE PLAN AMENDMENT	Γ
PROPERTY ADDRESS 6632				
CURRENT LEGAL DESCRIPT	ION Lake Worth Towne	Crossing ADD	N Block 1 Lot 8	
CURRENT ZONING CLASSIFICATION & LAND USE BKFullSvc - Bank-Full Service				·
PROPOSED ZONING CLASSI				· · · ·
TOTAL ACRES 1.45	# OF LOTS Block 1 Lot	8		
APPLICANT/DEVELOPER INI NAME CIM GROUP, INC.	FORMATION			
ADDRESS 960 E Di	scovery Ln		_{CITY} Anaheim	
STATE CA	ZIP 92801	_{EMAIL} arios	@cimgroupinc.com	
PHONE 714.956.28	327	_{FAX} 714.95	6.8157	
PROPERTY OWNER INFORM NAME WELLS FARGO BA	IATION NK NA - WACHOVIA BANK NA			
ADDRESS 333 Mar	ket St., 10th Floor		CITY San Francisco	
STATE CA	_{ZIP} 94105	EMAIL	en e	<u>. </u>
PHONE		FAX		
SURVEYOR/ARCHITECT/ENG NAME THE FITTS COMP.				<u> </u>
_{ADDRESS} 55 Siren	s Ln		_{CITY} Gaston	
STATE SC	_{ZIP} 29053	EMAIL		
PHONE 803.356.59	947	FAX		
true and correct I further understand	that the public hearing for this projeted by City staff. IF APPLICATIO	ect will not be scheduled N IS SIGNED BY SOME	ormation provided on this development appl until the application fee(s) have been paid ONE OTHER THAN THE OWNER, THEN AN	and the
C 1/400	must be original sig	nature	08/08/2019	
SIGNATURE OR OWNER, AG	ENT. OR APPLICANT		DATE	

GENERAL INFORMATION

Civil construction plan submittals shall meet the following general sheet requirements and order:

- 1. Cover Sheet with Vicinity Map (Project Name, Address, Legal Description, Type of Plan(s), and Current Date shall be shown on cover)
- 2. Final Plat
- 3. Site Layout
- 4. Dimensional Control Plan
- 5. Paving Plan and Profile
- 6. Grading Plan
- 7. Drainage Area Map
- 8. Storm Sewer Layout
- 9. Storm Sewer Plan and Profile
- 10. Water Layout
- 11. Water Plan and Profile
- 12. Sanitary Sewer Layout
- 13. Sanitary Sewer Plan and Profile
- 14. Storm Water Pollution Prevention Plan (Erosion Control Plan)
- 15. Traffic Control Plan
- 16. Standard Construction Details

Construction plans must be 100% complete at the time of submittal. Any incomplete sets of construction plans shall be returned unreviewed.

SUBMITTAL CHECKLIST

The following items must be turned in for the subdivision plat application to be accepted and processed by this department:

- X DEVELOPMENT APPLICATION
- X OWNER AUTHORIZATION FORM (IF APPLICABLE)
- APPLICATION FEE (VERIFY WITH P&Z ADMINISTRATOR)
- X FOUR (4) HARD COPIES OF DEVELOPMENT PLAN, CIVIL CONSTRUCTION PLANS OR SITE PLAN AMENDMENT PLAN (WHICHEVER IS APPLICABLE) (ACCEPTED SIZE 24" x 36")
- X ELECTRONIC VERSION (.pdf) OF THE PLANS EMAILED TO SMEASON@LAKEWORTHTX.ORG

OFFICE USE ONLY		
Fee: 275.00 Date Paid: 9 to 19 Receipt #: PI9 - 0935 Ownership Verified:	Public Hearing Newspaper Notice Deadline Date: Public Hearing 200' Notification Deadline Date: P&Z Commission Meeting Date: 10.15.19 City Council Meeting Date: 11.13.19	
Taxes Paid: ✓ YES □ NO Liens Paid: ✓ YES □ NO	Approval Date:Ordinance Number:Instrument #:	



City of Lake Worth

AUTHORIZATION FORM

THE FOLLOWING IS TO BE COMPLETED ONLY IF A PERSON OTHER THAN THE OWNER IS MAKING THIS APPLICATION.

Dated: 08/28/2019	Re: WELLS FARGO PROPOSED ATM/SITE PLAN APP/AMENDMENT
1, MARTIN CORPORA, < Wells Forgo Ank) [ph32 LAKE WORTH BIRD , LAKE WORTH, 1x 7/2/35 do hereby CIM GROUP, INC.	, owner of the Property located at y certify that I have given my permission to, to make this (check one):
 □ Variance □ Waiver □ Plat (Development, Replat, Preliminary, Final) □ Zoning District Change □ Land Use Designation □ Comprehensive Land Use Plan Amendment ■ Site Plan Application/Amendment 	
Application for ANDREA RIOS (applicant)	
Print Name Sign	nature of Owner
	<u>4к-747 0878</u>
State of Texas H \$ County of Acres \$ Before me, State, on this day personally appeared Montan County to be the person whose name is subscribed to the foregoin executed the same for the purposes and consideration the	ng certificate, and acknowledged to me that he/she
(Seal)	

CITY OF LAKE WORTH NOTICE OF PUBLIC HEARING PLANNING AND ZONING COMMISSION AND CITY COUNCIL

SITE PLAN AMENDMENT PLANNING & ZONING CASE #PZ-2019-24

You may own property within two hundred feet (200') of the property described in the notice below. The owner of the property has made application for a Site Plan Amendment, for the construction of an additional ATM machine at the back of the property. Attached you will find a copy of the requested site plan amendment for the location. You are invited to attend and participate in the following public hearings regarding this application:

The Planning and Zoning Commission of the City of Lake Worth, Texas, will conduct the first of two public hearings at 6:30 p.m. on Tuesday, October 15, 2019, at the Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider recommendations to the City Council regarding an Ordinance, amending Ordinance No. 802, so as to consider a site plan amendment of an approximate 1.45-acre parcel of land, legally known as Block 1, Lot 8, Lake Worth Towne Crossing Addition, Lake Worth, Tarrant County, Texas, being that all of the certain called 1.45-acre parcel of land recorded in the deed records of Tarrant County, Texas. The property to be considered is generally described as a 1.45-acre parcel of land located 6632 Lake Worth Blvd., Lake Worth, Texas. The City Council will conduct a second Public Hearing at 6:30 p.m. on Tuesday, November 12, 2019, at the Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider the proposed site plan amendment for the above listed property. All interested parties are encouraged to attend.

Wachovia Bank NA 333 Markey FI 10th St San Francisco, CA 94105-2101

Texas Taco Cabana LP 8918 Tesoro Drive, Ste #200 San Antonio, Texas 78217-6293

RPAI Lake Worth Towne Crossing LP 2021 Spring Road, Suite #200 Oak Brook, IL 60523

Chick-Fil-A Inc. 5200 Buffington Road Atlanta, GA 30349-2945

Worth National Bank PO Box 2300 Tulsa, OK 74192

6632 Lake Worth Blvd. - 200' Notification Map Legend PARCELS Lots Arterials Freeways Streets _ Tarrant County Streets Parks Lakes City Limit Extraterritorial Jurisdiction (ETJ) TELEPHONE FORT WORTH® 3101 3285 3191 3500 2913 3001 2951 3635 3625 2901 3249 10/4/19 11:04 AM This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. The City of Fort Worth assumes no 0.07 0.1 Miles 0.1 responsibility for the accuracy of said data. 1: 4,697

NCTCOG ORTHOPHOTOGRAPHY

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. D.4

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Public Hearing to consider Ordinance No. 1175, Planning & Zoning Case No. PZ-

2019-25, an Ordinance amending Ordinance No. 849, so as to consider a site plan amendment of an approximate 12.33-acre parcel of land, legally known as Lot 1, Home Depot Lake Worth Addition, Lake Worth, Tarrant County, Texas, being that all of the certain called 12.33-acre parcel of land recorded in the deed records of Tarrant County, Texas. The property to be considered is generally described as a 12.33-acre parcel of land located 3950 Jim Wright Freeway, Lake Worth, Texas. (PLANNING AND ZONING COMMISSION RECOMMENDED

ADDROVAL BY A VOTE OF 7.0)

APPROVAL BY A VOTE OF 7-0)

SUMMARY:

Property Description:

12.33-acre parcel of land, 3950 Jim Wright Frwy.

Property Owner(s):

Home Depot, USA, 2455 Paces Ferry Road, Atlanta, GA 30339

Applicant:

Lars Andersen & Associates, 4694 W. Jacquelyn Avenue, Fresno, CA 93722

Engineer/Architect/Surveyor:

Lars Andersen & Associates, 4694 W. Jacquelyn Avenue, Fresno, CA 93722

Current Zoning:

PC-Planned Commercial

Current Use(s):

Retail Sales (Home Depot)

Existing Road(s):

Jim Wright Frwy.

Surrounding Zoning:

North: The property to the north is currently zoned "PC" Planned Commercial.

South: The property to the south is highway access road.

East: The property to the east is currently zoned "PC" Planned Commercial.

West: The property to the west is currently zoned "PC" Planned Commercial.

Summary:

The Home Depot is requesting a site plan amendment to add for an outside display and storage area for equipment related to their new Tool Rental Center service that they would like to offer. Attached is the amended site plan with the area to be used and a general description of the service(s). All previously approved items will still pertain to the site.

Public Input:

On Friday, October 4, 2019 as required by State law, the City mailed out twelve (12) letters of Notification for Public Hearing to all property owners within two hundred (200') feet of the subject site. Notice was also published in the City's newspaper of record, the Fort Worth Star Telegram on Saturday, September 28, 2019.

Staff had received no public comment form(s) as of the packet preparation date.

The Planning & Zoning Commission voted 7-0 recommending approval.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Ordinance No. 1175
Development Application/Owner Authorization Form
Site Plan Amendment Exhibit
Tool Rental Information Letter
Public Hearing Notice
Public Hearing Notifications (within 200' of subject property)
Vicinity Map

RECOMMENDED MOTION OR ACTION:

Site plan amendments are at the discretion of the City Council.

ORDINANCE NO. 1175

849, SO AS TO AN ORDINANCE AMENDING ORDINANCE NO. CONSIDER A SITE PLAN AMENDMENT, ATTACHED HERETO AS "EXHIBIT A" OF AN APPROXIMATELY 12.33-ACRE PARCEL OF LAND, LEGALLY KNOWN AS LOT 1, HOME DEPOT LAKE WORTH ADDITION, AND GENERALLY DESCRIBED AS 3950 JIM WRIGHT FREEWAY., LAKE WORTH, TARRANT COUNTY, TEXAS; AMENDING THE OFFICIAL ZONING MAP; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A PENALTY CLAUSE: PROVIDING FOR SAVINGS: PROVIDING FOR SEVERABILITY; **PROVIDING FOR ENGROSSMENT** ENROLLMENT; PROVIDING FOR PUBLICATION IN THE OFFICIAL **NEWSPAPER; AND NAMING AN EFFECTIVE DATE.**

WHEREAS, the City of Lake Worth is a Home Rule City acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, pursuant to Chapter 211 of the Local Government Code, the City has adopted a comprehensive zoning ordinance and map regulating the location and use of buildings, other structures and land for business, industrial, residential or other purposes, and providing for a method to amend said ordinance and map for promoting the public health, safety, morals and general welfare; and

WHEREAS, the owner of a 12.33-acre parcel of land located in Lake Worth, Texas, has initiated an application on the hereinafter described property to request a site plan amendment; and

WHEREAS, a public hearing was duly held by the Planning and Zoning Commission of the City of Lake Worth on October 15, 2019, and by the City Council of

the City of Lake Worth November 12, 2019, with respect to the zoning described herein;

and

WHEREAS, all requirements of law dealing with notice to other property owners,

publication and all procedural requirements have been complied with in accordance with

Chapter 211 of the Local Government Code; and

WHEREAS, the City Council of the City of Lake Worth, Texas, does hereby deem

it advisable and in the public interest to amend Ordinance No. 849, and to amend the

Official Zoning Map of the City, as described herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY

OF LAKE WORTH, TEXAS:

SECTION 1.

INCORPORATION OF PREMISES

The above and foregoing premises are true and correct and are incorporated

herein and made a part hereof for all purposes.

SECTION 2.

ORDINANCE 849 AMENDED

Ordinance No. 849 is hereby amended by approving a site plan amendment and

by amending the Official Zoning Map to reflect such change for the property hereinafter

described below:

Zoning Case No. PZ-2019-25

Owner: Home Depot USA, Inc.

PO Box 105842 Atlanta, GA 30348

Page 2 of 6

Applicant: Lars Andersen & Associates, Inc.

4694 W. Jacquelyn Avenue

Fresno, CA 93722

Legal Description: Lot 1, Home Depot Lake Worth Addition

Lake Worth, Tarrant County, Texas

Property Address: 3950 Jim Wright Freeway

Property Zoning: "PC" Planned Commercial

Permitted use: The use and operation use of Retail Sales (Home Depot) as

more particularly shown on the Amended Site Plan attached

hereto as Exhibit "A".

SECTION 3.

COMPLIANCE WITH SITE PLAN AND ORDINANCES

The use and development of the property shall be subject to all terms and conditions set forth in the Amended Site Plan attached hereto as Exhibit "A" in addition to all applicable regulations contained in the Comprehensive Zoning Ordinance and all other applicable and pertinent ordinances of the City of Lake Worth, Texas.

SECTION 4.

OFFICIAL ZONING MAP AMENDED

The City Secretary is hereby directed to amend the Official Zoning Map to reflect the changes in classification approved herein.

SECTION 5.

CUMULATIVE CLAUSE

This Ordinance shall be cumulative of all provisions of all other ordinances of the

Page 3 of 6

City of Lake Worth, Texas except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 6.

PENALTY CLAUSE

Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be fined not more than Two Thousand Dollars (\$2,000.00) for each offense. Each day that a violation is permitted to exist shall constitute a separate offense.

SECTION 7.

SEVERABILITY

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

SECTION 8.

SAVINGS

All rights or remedies of the City of Lake Worth, Texas are expressly saved as to

any and all violations of the provisions of any ordinance affecting zoning or land use, which have accrued at the time of the effective date of this Ordinance; and as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such Ordinances, same shall not be affected by this Ordinance but may be prosecuted until final disposition by the Courts.

SECTION 9.

ENGROSSMENT AND ENROLLMENT

The City Secretary of the City of Lake Worth is hereby directed to engross and enroll this Ordinance by copying the caption, publication clause and effective date clause in the minutes of the City Council and by filing the Ordinance in the Ordinance Records of the City.

SECTION 10.

PUBLICATION

The City Secretary of the City of Lake Worth is hereby directed to publish in the official newspaper of the City of Lake Worth, the caption, the penalty clause, publication clause, and effective date clause of this ordinance two (2) days as authorized by Section 52.013 of the Local Government Code.

SECTION 11.

EFFECTIVE DATE

This Ordinance shall be in full force and effect from and after its passage and publication as required by law, and it is so ordained.

$\textbf{PASSED AND APPROVED} \ on \ the \ 12^{th} \ day \ of \ November, \ 2019.$

	CITY OF LAKE WORTH
	By: Walter Bowen, Mayor
ATTEST:	
Monica Solko, City Secretary	
APPROVED AS TO FORM AND LEGALITY:	
Drew Larkin, City Attorney	



BUILDING DEVELOPMENT SERVICES PLANNING & ZONING DIVISION 3805 ADAM GRUBB, LAKE WORTH, TEXAS 76135 817-255-7922 OR SMEASON@LAKEWORTHTX.ORG

FOR OFFICE USE ONLY Case No: P7-2019-25 Date Submitted:

APPLICATION FOR DEVELOPMENT APPROVAL

(CHECK ALL THAT APPLY)		-		
ZONING CHANGE	LAND USE	SITE PLAN	XSITE PLAN AMENDMENT	
PROPERTY ADDRESS 3950	PROPERTY ADDRESS 3950 Jim Wright Freeway			
CURRENT LEGAL DESCRIPTION See attached.				
CURRENT ZONING CLASSIFICATION & LAND USE PC - Planned Commercial				
CURRENT ZONING CLASSIFIC	CATION & LAND USE 1 0 1	i latified Cottil	nercial	
PROPOSED ZONING CLASSII	FICATION & LAND USE Con	nmercial		
TOTAL ACRES 11.79	# OF LOTS 1			
TOTAL AURLO	_# 01			
APPLICANT/DEVELOPER INF				
7.7500 7.750 M.C.W.	sociates, Inc Contact: Scott Momm	er		
ADDRESS 4694 W.	Account to the latter.		CITY Fresno	
STATE CA	_{ZIP} 93722	_{EMAIL} smor	nmer@larsandersen.com	
PHONE 559-978-70	060	_{FAX_} 559-27	6-0850	
PROPERTY OWNER INFORM				
NAME Home Depot U.S.A.	100 to 10			
ADDRESS 2455 Pag	es Ferry Road		_{CITY} Atlanta	
STATE GA	ZIP 30339	EMAIL_SUZ	ANNE_RUSSO@homedepot.com	
PHONE_770-384-24	106	FAX_770-38	4-3042	
SURVEYOR/ARCHITECT/ENG	INEER INFORMATION			
NAME Lars Andersen & As	sociates, Inc Contact: Scott Momm	ег		
ADDRESS 4694 W.	Jacquelyn Ave		CITY Fresno	
STATECA	_{ZIP} 93722	_{EMAIL} smor	mmer@larsandersen.com	
PHONE 559-978-70)60	FAX 559-27		
			formation provided on this development application is I until the application fee(s) have been paid and the	
where have been underved and accept	and his public ficulting for this project	IC CICHED DV COME	ONE OTHER THAN THE OWNER THEN AN OWNER	

plans have been reviewed and accepted by City staff. IF APPLICATION IS SIGNED BY SOMEONE OTHER THAN THE OWNER, THEN AN OWNER AUTHORIZATION FORM MUST BE COMPLETED AND TURNED IN WITH APPLICATION.

must be original signature

SIGNATURE OF OWNER, AGENT, OR APPLICANT

Page 1 of 2

GENERAL INFORMATION

1. Cover Sheet with Vicinity Map (Project Name, Address, Legal Description, Type of Plan(s), and Current Date shall be shown on cover)

Civil construction plan submittals shall meet the following general sheet requirements and order:

2. Final Plat

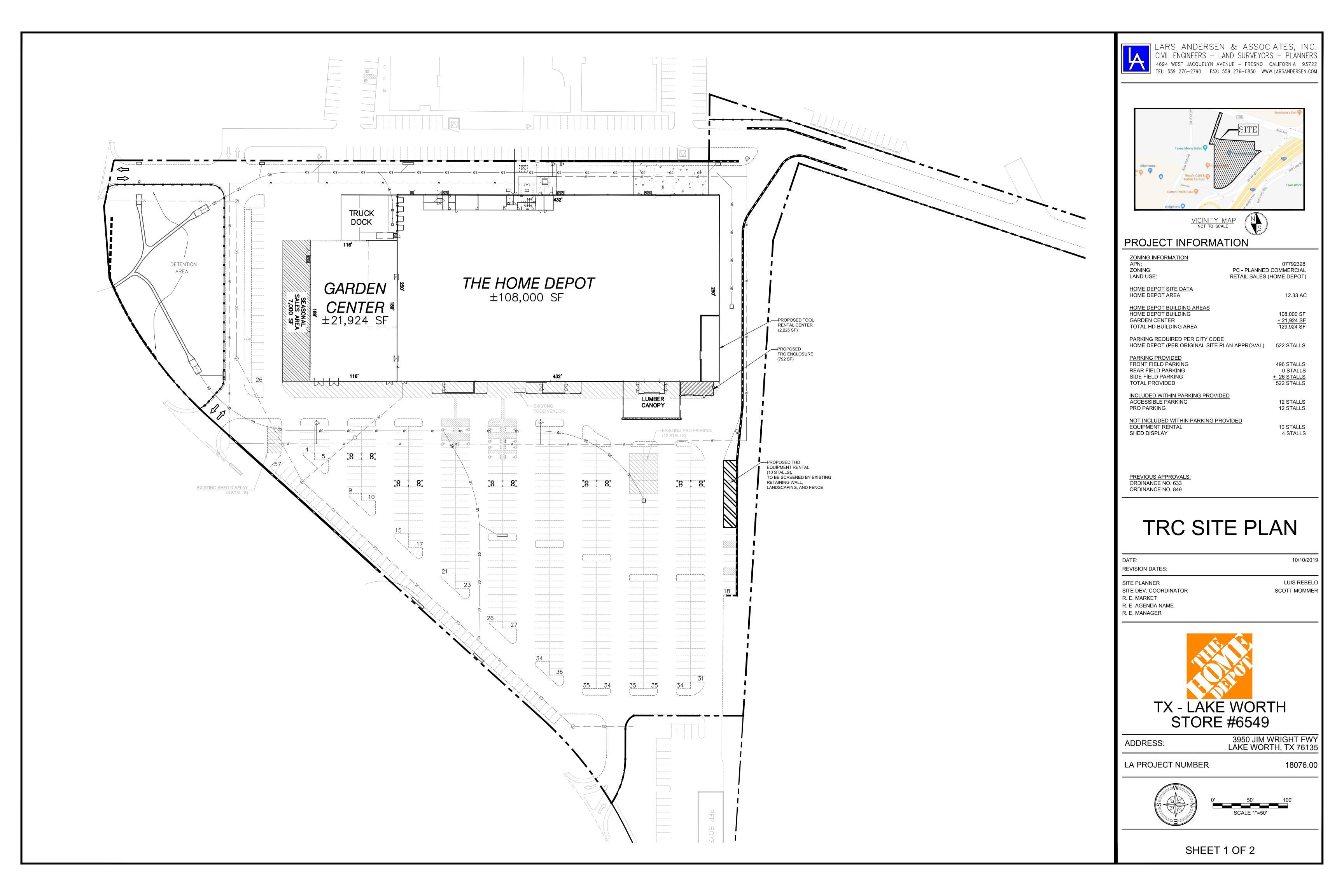
3. Site Layout	6)
4. Dimensional Control Plan	
5. Paving Plan and Profile	
6. Grading Plan	
7. Drainage Area Map	
8. Storm Sewer Layout	
Storm Sewer Plan and Profile	
10. Water Layout	
11. Water Plan and Profile	
12. Sanitary Sewer Layout	
13. Sanitary Sewer Plan and Profile	
14. Storm Water Pollution Prevention Plan (Erosion Contr	ral Dlan\
15. Traffic Control Plan	of Flatt)
16. Standard Construction Details	
10. Standard Construction Details	
	submittal. Any incomplete sets of construction plans shall be
returned unreviewed.	
SUBMIT	TAL CHECKLIST
The following items must be turned in for the subdivision p	plat application to be accepted and processed by this department:
X DEVELOPMENT APPLICATION	
OWNER AUTHORIZATION FORM (IF APPLICABLE APPLICATION FEE (VERIFY WITH P&Z ADMINIS	
	LAN, CIVIL CONSTRUCTION PLANS OR SITE PLAN
AMENDMENT PLAN (WHICHEVER IS APPLICAB	
X ELECTRONIC VERSION (.pdf) OF THE PLANS E	
OFF	FICE USE ONLY
- 275 M	
Fee: 275.00	Public Hearing Newspaper Notice Deadline Date:
Date Paid: 9 6 19 Receipt #: P19 - 0936	Public Hearing 200' Notification Deadline Date:
Ownership Verified:	P&Z Commission Meeting Date: 10.15.19
YES NO	City Council Meeting Date: 11 · 1 2 · 19
Taxes/Paid:	Approval Date:
YES NO	Ordinance Number:
Liens Paid:	Instrument #:
✓ YES □ NO	smart Habing State Health St.

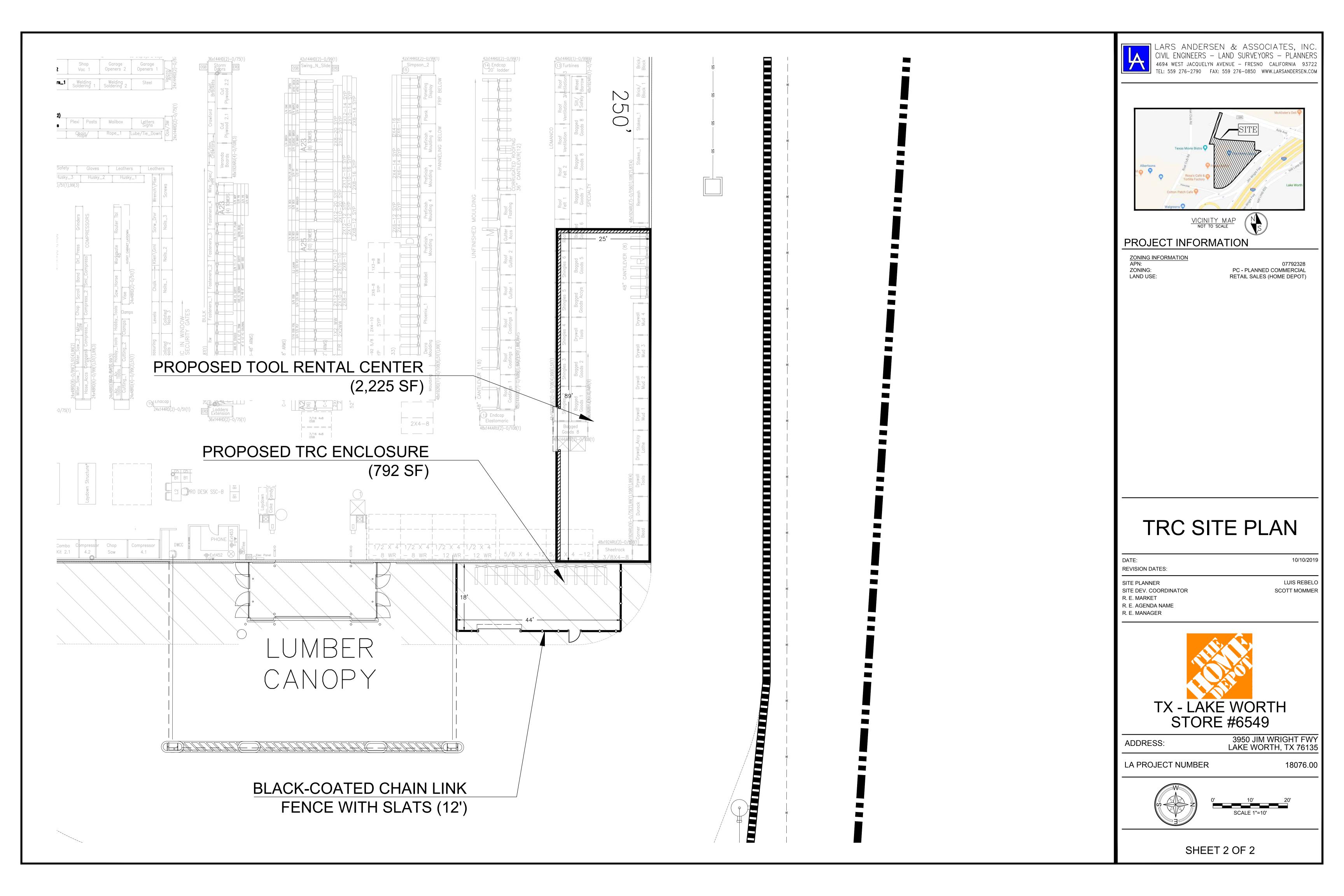
DELEGATION OF AUTHORITY

I, Teresa Wynn Roseborough, Executive Vice President, General Counsel and Corporate Secretary of The Home Depot, Inc. (the "Company") and its wholly owned subsidiary, Home Depot U.S.A., Inc., do hereby designate each Vice President and Deputy General Counsel and each of Michael A. Dalton, Jessica Borgert and Suzanne Russo, as my designees and authorize each of them acting either alone or together to execute and deliver, or cause to be executed and delivered, any and all contracts, assignments, easements, conveyances, deeds, leases, subleases, agreements, certificates, instruments, or any other documents on behalf of the Company and each of its direct and indirect subsidiaries related to real property owned or leased or to be acquired or leased by the Company or its direct and indirect subsidiaries (the "Documents") and to take, or cause to be taken, any and all actions in connection therewith as such individual or individuals may consider necessary or desirable, with such necessity or desirability being conclusively evidenced by the actions so taken. Further, I hereby ratify and approve all previous actions taken with respect to the execution and delivery of such Documents in the name of and on behalf of the Company and its direct and indirect subsidiaries.

IN WITNESS WHEREOF, I have hereunto set my hand this 23 day of february, 2018.

Teresa Wynn Roseborough Executive Vice President, General Counsel and Corporate Secretary







LARS ANDERSEN & ASSOCIATES, INC.

CIVIL ENGINEERS • LAND SURVEYORS • PLANNERS
ADA COMPLIANCE • LEED ACCREDITED • STORM WATER QUALITY
4694 W JACQUELYN AVENUE

FRESNO, CA 93722 PH (559) 276-2790 FX (559) 276-0850 TEXAS REGISTERED ENGINEERING FIRM F-18450 SCOTT A. MOMMER, PE, QSD PRESIDENT

DANIEL J. ZOLDAK, PE, PLS CASP, LEED AP, QSD/P VICE PRESIDENT

Thursday August 22, 2019

Suzanne Meason Planning & Zoning Division City of Lake Worth, TX 3805 Adam Grubb Lake Worth, TX 76135

O: 817-255-7922

E: smeason@lakeworthtx.org

RE:

Home Depot - Site Plan Amendment - Tool Rental Center (TRC) & THD Rental Equipment

3950 Jim Wright Freeway

Suzanne,

On behalf of Home Depot, our Firm is submitting for a Site Plan amendment to Permit a proposed Tool Rental Center (TRC) and THD Rental Equipment Display. The general operations for the TRC is the rental of tools associated with general construction, which could range from a drill to a larger power equipment. This operation is utilized by both our general customers and contractors. In conjunction with the TRC, Home Depot is requesting to utilize approximately 10 parking stalls identified on the proposed Site Plan to store and display compact power rental equipment that can be rented through the TRC. Such equipment are items like small trailers, see the attached file for a list of example compact power equipment. It should be noted that the HD Rental equipment is owned and operated by Home Depot and there are no Third-Party Entities involved with this accessory use. In addition, no service, repairs, or maintenance or done on THD Rental equipment at the store, as Home Depot owns various locations where they are serviced by Home Depot at their maintenance facility throughout the region.

Attached you will find the following submittal items:

- Application signed by Home Depot
- Four (4) full size (24" x 36") proposed Site Plan
- Check # 1209 for \$275.00

In advance, we greatly appreciate the City's review of the proposed project and feel free to contact me with any questions by email at smommer@larsandersen.com or by cell at 559-978-7060.

Sincerely, LARS ANDERSEN & ASSOCIATES, INC.

Scott A. Mommer

Scott A. Mommer, PE President

Compact Power Rental Equipment

Tractor Loader Backhoe

- Used for loading, carrying, and transporting materials
- Electrical, plumbing, and irrigation installation or repairs
- Grading and leveling

Skid Steer

- Grading and leveling
- Load, carry and spread materials
- Landscaping, construction and property improvement
- Light demolition work

Mini Excavator

- Property improvement and landscape projects
- Irrigation installation and drainage projects
- Plumbing and electrical installation or repairs

Aerial Equipment

- Tree care and maintenance
- Facility maintenance, painting, HVAC, electrical
- Sign and lighting repair

Light Tower

- Job site illumination
- Sports activities
- Event setups

Material Handling

- Transport concrete, stone, materials and aggregate
- Construction and demo site clean up













Dump Trailer

- Demolition removal and yard maintenance
- Carrying landscape materials
- Hauling aggregate

Tree Care (Chipper Rental/Stump Grinder)

- Tree care and maintenance
- Landscaping and property improvements

Mini Skid Steer

- Load, carry and spread materials
- Landscape and property improvement
- Grading and leveling

Trencher

- Installing irrigation and drainage projects
- Landscape and property improvement

Tractor Loader Backhoe

- Load, carry and transport materials
- Electrical, plumbing, and irrigation installation or repairs
- Grading and leveling

Skid Steer

- Grading and leveling
- Load, carry and spread materials
- Landscaping, construction and property improvement
- Light demolition work













CITY OF LAKE WORTH NOTICE OF PUBLIC HEARING PLANNING AND ZONING COMMISSION AND CITY COUNCIL

SITE PLAN AMENDMENT PLANNING & ZONING CASE #PZ-2019-25

You may own property within two hundred feet (200') of the property described in the notice below. The owner of the property has made application for a Site Plan Amendment, for the addition of a fenced in area for equipment rental. Attached you will find a copy of the requested site plan amendment for the location. You are invited to attend and participate in the following public hearings regarding this application:

The Planning and Zoning Commission of the City of Lake Worth, Texas, will conduct the first of two public hearings at 6:30 p.m. on Tuesday, October 15, 2019, at the Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider recommendations to the City Council regarding an Ordinance, amending Ordinance No. 849, so as to consider a site plan amendment of an approximate 12.33-acre parcel of land, legally known as Lot 1, Home Depot Lake Worth Addition, Lake Worth, Tarrant County, Texas, being that all of the certain called 12.33-acre parcel of land recorded in the deed records of Tarrant County, Texas. The property to be considered is generally described as a 12.33-acre parcel of land located 3950 Jim Wright Freeway, Lake Worth, Texas. The City Council will conduct a second Public Hearing at 6:30 p.m. on Tuesday, November 12, 2019, at the Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider the proposed site plan amendment for the above listed property. All interested parties are encouraged to attend.

Home Depot USA Inc PO Box 105842 Atlanta, GA 30348 Stephen B Friffith 1206 W 6th Street Austin, Texas 78703-5209

6034 Azle Avenue LLC PO Box 2148 Milwaukee, WI 53201-2148 Original Sites Ltd PO Box 3350 Grapevine, Texas 76099-3350

6034 Azle Avenue LLC 801 Grand Avenue Des Moines, IA 50392-0001

Northwest Church of Christ 6059 Azle Avenue Lake Worth, Texas 76135-2697

Triple N Management LLC 1001 Lakewood Hills Terrace Austin, Texas 78732

Star Boat Club LLC 5812 Preston Haven Drive Dallas, Texas 75230-2950

BDC Properties Inc 5000 Overton Plaza, Suite #300 Fort Worth, Texas 76109

St Anne's Episcopal Church 6055 Azle Avenue Lake Worth, Texas 76135-2698

Metropolitan Baptist Church 6051 Azle Avenue Lake Worth, Texas 76135-2699

City of Lake Worth 3805 Adam Grubb Lake Worth, Texas 76135-3509

3950 Jim Wright Frwy. - 200' Notification Map Legend PARCELS Lots Arterials Freeways ONGHORN Streets Tarrant County Streets ROCKY POIN BIG BEND Parks Lakes City Limit CIRCLE Extraterritorial Jurisdiction (ETJ) JIM WATSHTEWY 820 HAWRYLAK ISABELL GRAHAM FORT WORTH® COWDEN 10/4/19 12:25 PM

0.16

0.3

0.3 Miles

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. The City of Fort Worth assumes no responsibility for the accuracy of said data.

NCTCOG ORTHOPHOTOGRAPHY



1: 10,363



Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. D.5

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Public Hearing to consider Ordinance No. 1176, Planning & Zoning Case No. PZ-

2019-26, an Ordinance amending Ordinance No. 500, the Comprehensive Zoning Ordinance of the City of Lake Worth, so as to consider a land use designation and development plan of an approximately 1.26-acre parcel of land, legally known as Block 4, Lot 2-R1, Broadview West Addition, Tarrant County, Texas, being that all of the certain called 1.26-acre parcel of land recorded in the deed records of Tarrant County, Texas, by amending the Official Zoning Map to reflect such change. The property to be considered is generally described as a 1.26-acre parcel of land located at 6116 Lake Worth Blvd., Lake Worth, Texas. (PLANNING AND ZONING COMMISSION RECOMMENDED APPROVAL BY A VOTE

OF 7-0)

SUMMARY:

Property Description:

1.26-acre parcel of land, 6116 Lake Worth Blvd.

Property Owner(s):

Forrest D and Nelda Giles, 152 McVoid Road, Springtown, Texas 76082-5929

Applicant:

Jack 2199, Inc., Robert Petrie, 1924 Jacksboro Highway, Fort Worth, Texas 76114

Engineer/Architect/Surveyor:

Taller Tres Design Studio, 103 N Greenstone Lane, Dallas, Texas 75116

Current Zoning:

PC-Planned Commercial

Current Use(s):

Vacant Property

Proposed Zoning:

PC-Planned Commercial

Proposed Use(s):

Commercial Shopping Center

Existing Road(s):

Lake Worth Blvd., Yeary Street, Azle Way

Surrounding Zoning:

North: The property to the north is currently zoned "PC" Planned Commercial and "SF1" Single Family Residential. (Residences that are a mix of commercial and single-family zoning districts)

South: The property to the south is currently zoned "PC" Planned Commercial. (Commercial businesses across Lake Worth Blvd.)

East: The property to the east is currently zoned "SF1" Single Family Residential.

West: The property to the west is currently zoned "PC" Planned Commercial. (Commercial businesses across Lake Worth Blvd.)

Summary:

Robert Petrie currently has the property under contract with Dr. Giles. Mr. Petrie is seeking a land use designation and development plan approval to construct a commercial shopping center similar to the one located at 6060 Rocky Point Trail.

Prior to closing on the property Mr. Petrie wanted to receive approval of his requested use. Attached is the ordinance outlining the types of businesses and a development plan for the property layout. The applicant believes that the proposed type of establishment on the property would be more conducive to Lake Worth's Comprehensive Land Use Plan and redevelopment for the area. Drive approaches will have to be approved by TxDOT and are subject to change.

Public Input:

On Friday, September 28, 2019 as required by State law, the City mailed out twenty-four (24) letters of Notification for Public Hearing to all property owners within two hundred (200') feet of the subject site. Notice was also published in the City's newspaper of record, the Fort Worth Star Telegram on Saturday, October 4, 2019.

Staff had received one (1) public comment form in favor of the request and two (2) public comment forms back in opposition of the item as of the packet preparation date.

The Planning & Zoning Commission voted 7-0 recommending approval.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Ordinance No. 1176
Development Application
Development Plan Exhibit
Public Hearing Notice
Public Hearing Notifications (within 200' of subject property)
Vicinity Map
Returned Public Comment Form(s)

RECOMMENDED MOTION OR ACTION:

Land use designations and dev Council.	velopment plan recommenda	ations are at the discretion of the City

ORDINANCE NO. 1176

AN ORDINANCE AMENDING ORDINANCE NO. **500**. COMPREHENSIVE ZONING ORDINANCE OF THE CITY OF LAKE WORTH, SO AS TO CONSIDER A LAND USE DESIGNATION AND DEVELOPMENT PLAN OF AN APPROXIMATELY 1.26-ACRE PARCEL OF LAND, LEGALLY KNOWN AS BLOCK 4, LOT 2-R1, BROADVIEW WEST ADDITION, BEING THAT ALL OF THE CERTAIN CALLED 1.26-ACRE PARCEL OF LAND RECORDED IN THE DEED RECORDS OF TARRANT COUNTY, TEXAS. THE PROPERTY TO BE CONSIDERED IS GENERALLY DESCRIBED AS A 1.26-ACRE PARCEL OF LAND LOCATED 6116 LAKE WORTH BLVD., LAKE WORTH, TARRANT COUNTY. TEXAS. BY AMENDING THE OFFICIAL ZONING MAP TO REFLECT SUCH CHANGE, ALONG WITH A DEVELOPMENT PLAN APPROVAL "EXHIBIT A", AND BY AMENDING THE OFFICIAL ZONING MAP TO REFLECT SUCH CHANGE; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A PENALTY CLAUSE; PROVIDING FOR SAVINGS; PROVIDING FOR SEVERABILITY; PROVIDING FOR ENGROSSMENT AND ENROLLMENT; PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND NAMING AN EFFECTIVE DATE.

WHEREAS, the City of Lake Worth is a Home Rule City acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, pursuant to Chapter 211 of the Local Government Code, the City has adopted a comprehensive zoning ordinance and map regulating the location and use of buildings, other structures and land for business, industrial, residential or other purposes, and providing for a method to amend said ordinance and map for promoting the public health, safety, morals and general welfare; and

WHEREAS, the owner of a 1.26-acre tract of land located in Lake Worth, Texas, has initiated an application on the hereinafter described property for a land use designation and development plan approval; and

WHEREAS, a public hearing was duly held by the Planning and Zoning Commission of the City of Lake Worth on October 15, 2019, and by the City Council of the City of Lake Worth on November 12, 2019, with respect to the zoning described herein; and

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

WHEREAS, the City Council of the City of Lake Worth, Texas, does hereby deem it advisable and in the public interest to amend Ordinance No. 500, and to amend the Official Zoning Map of the City, as described herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS:

SECTION 1. INCORPORATION OF PREMISES

The above and foregoing premises are true and correct and are incorporated herein and made a part hereof for all purposes.

SECTION 2. ORDINANCE 500 AMENDED

Ordinance No. 500 is hereby amended by approving the land use designation as "PC" – Planned Commercial for the use of Commercial Shopping Center, along with a development plan approval and by amending the Official Zoning Map to reflect such change for the property hereinafter described below:

Planning & Zoning Case No. PZ-2019-26

Owner: Forrest D & Nelda Giles

152 McVoid Road

Springtown, Texas 76082

Applicant: Jack 2199, Inc., Robert Petrie

1924 Jacksboro Hwy. Fort Worth, Texas 76114

Legal Description: Block 4, Lot 2-R1, Broadview West Addition

Lake Worth, Tarrant County, Texas

Property Address: 6116 Lake Worth Blvd.

Property Zoning: PC-Planned Commercial

Permitted use: The use and operation use of

Commercial/Retail Shopping Center with the following allowable uses: Antique Shops, Appliance Stores, Bakeries, Bank, Credit Union, or Other Businesses offering Financial Services, Barber or Beauty Shops, Bicycle and Bicycle Repair Shops, Book, Stationery Stores, or Newsstands, Caterer and Wedding Services, Cigar or Tobacco Stores, Cleaning, Pressing,

and Laundry Collection Services and Offices, Copy/Blueprinting, Dancing Schools, Delicatessens, Department Stores, Doctor's or Dentist's Offices, Clinics, or Medical, Surgical or Dental Laboratories, Drive In Businesses where car service is given including Refreshment Stands, Cafes, Restaurants, Food Stores Cleaning Services and Similar Activities, Drug Stores, Dry Goods, Electronic Store, Flooring and Carpet Stores, Florist or Gift Shops, Grocery Store, Hardware Store, Hair/Nail Salons, Household/Office Furniture, Jewelry Stores, Massage/Health Treatments, Offices, Optical Stores, Pet Shops, Photography, Portrait, or Camera Shops and Photo Finishing, Piano/Music Stores, Radio and Television Sales and Services, Restaurants. Tea Rooms. Cafeterias, or Cafes, Retail Stores, Tailor. Clothing or Wearing Apparel Shops, Tanning Salons, Tax Services, Variety Stores, and Vet/Dog/Cat Hospital and a Development Plan as attached hereto as Exhibit "A".

SECTION 3.

COMPLIANCE WITH DEVELOPMENT PLAN, SITE PLAN AND ORDINANCES

The use and development of the property shall be subject to all terms and conditions set forth in the Development Plan attached hereto as Exhibit "A" in addition to all applicable regulations contained in the Comprehensive Zoning Ordinance and all other applicable and pertinent ordinances of the City of Lake Worth, Texas.

SECTION 4. OFFICIAL ZONING MAP AMENDED

The City Secretary is hereby directed to amend the Official Zoning Map to reflect the changes in classification approved herein.

SECTION 5. CUMULATIVE CLAUSE

This Ordinance shall be cumulative of all provisions of all other ordinances of the City of Lake Worth, Texas except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 6. PENALTY CLAUSE

Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be fined not more than Two Thousand Dollars (\$2,000.00) for each offense. Each day that a violation is permitted to exist shall constitute a separate offense.

SECTION 7. SEVERABILITY

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

SECTION 8. SAVINGS

All rights or remedies of the City of Lake Worth, Texas are expressly saved as to any and all violations of the provisions of any ordinance affecting zoning or land use, which have accrued at the time of the effective date of this Ordinance; and as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such Ordinances, same shall not be affected by this Ordinance but may be prosecuted until final disposition by the Courts.

SECTION 9. ENGROSSMENT AND ENROLLMENT

The City Secretary of the City of Lake Worth is hereby directed to engross and enroll this Ordinance by copying the caption, publication clause and effective date clause in the minutes of the City Council and by filing the Ordinance in the Ordinance Records of the City.

SECTION 10. PUBLICATION

The City Secretary of the City of Lake Worth is hereby directed to publish in the official newspaper of the City of Lake Worth, the caption, the penalty clause, publication clause, and effective date clause of this ordinance two (2) days as authorized by Section 52.013 of the Local Government Code.

SECTION 11. EFFECTIVE DATE

This Ordinance shall be in full force and effect from and after its passage and publication as required by law, and it is so ordained.

PASSED AND APPROVED on the 12th day of November, 2019.

	CITY OF LAKE WORTH
	By: Walter Bowen, Mayor
ATTEST:	
Monica Solko, City Secretary	
APPROVED AS TO FORM AND LEGALITY:	
Drew Larkin, City Attorney	



BUILDING DEVELOPMENT SERVICES PLANNING & ZONING DIVISION 3805 ADAM GRUBB, LAKE WORTH, TEXAS 76135 817-255-7922 OR SMEASON@LAKEWORTHTX.ORG

Case No: P7-2019-Date Submitted: 9-12-19

APPLICATION FOR DEVELOPMENT APPROVAL

(CHECK ALL THAT APPLY) ZONING CHANGE X LAND USE	SITE PLAN	SITE PLAN AMENDMENT	
PROPERTY ADDRESS 6116 Lake Worth Blvd. CURRENT LEGAL DESCRIPTION Block 4, Lot 2-R1, Broadview West Addition			
CURRENT LEGAL DESCRIPTION BIOCK 4, LOT A CURRENT ZONING CLASSIFICATION & LAND USE	Planned Commercia		
PROPOSED ZONING CLASSIFICATION & LAND USE_	Planned Commercial	- Commercial Shopping Center	
TOTAL ACRES 1.26 # OF LOTS 1			
APPLICANT/DEVELOPER INFORMATION NAME Robert Petrie, Jack 2199, Inc. and/or assignee			
ADDRESS1924 Jacksboro Highway	!	CITY Fort Worth	
STATE Texas ZIP 76114	EMAIL pmc1300	@aol.com	
PHONE 817-401-1617	FAX		
PROPERTY OWNER INFORMATION NAME Forrest D. Giles			
ADDRESS 152 McVoid Road		_{CITY} Springtown	
STATE Texas ZIP 76082	EMAIL		
PHONE 817-677-3043	FAX		
SURVEYOR/ARCHITECT/ENGINEER INFORMATION NAME Taller Tres Design Studio			
ADDRESS 103 N. Greenstone Lane		Duncanville	
STATE Texas ZIP 75116	EMAIL		
PHONE 214-766-5905	FAX		
I hereby certify that I am the owner of the property described above and further certify that the information provided on this development application is true and correct. I further understand that the public hearing for this project will not be scheduled until the application fee(s) have been paid and the plans have been reviewed and accepted by City staff. IF APPLICATION IS SIGNED BY SOMEONE OTHER THAN THE OWNER, THEN AN OWNER AUTHORIZATION FORM MUST BE COMPLETED AND TURNED IN WITH APPLICATION.			
FDHILLS must be origina	l signature	9-12-19	
SIGNATURE OF OWNER, AGENT, OR APPLICANT	Page 1 of 2	DATE	

GENERAL INFORMATION

Civil construction plan submittals shall meet the following general sheet requirements and order:
 Cover Sheet with Vicinity Map (Project Name, Address, Legal Description, Type of Plan(s), and Current Date shall be shown on cover) Final Plat Site Layout Dimensional Control Plan Paving Plan and Profile Grading Plan Drainage Area Map Storm Sewer Layout Storm Sewer Plan and Profile Water Layout Water Plan and Profile Sanitary Sewer Layout Sanitary Sewer Plan and Profile Storm Water Pollution Prevention Plan (Erosion Control Plan) Traffic Control Plan Standard Construction Details
Construction plans must be 100% complete at the time of submittal. Any incomplete sets of construction plans shall be returned unreviewed.
SUBMITTAL CHECKLIST
The following items must be turned in for the subdivision plat application to be accepted and processed by this department

DEVELOPMENT APPLICATION

OWNER AUTHORIZATION FORM (IF APPLICABLE)

APPLICATION FEE (VERIFY WITH P&Z ADMINISTRATOR)

FOUR (4) HARD COPIES OF DEVELOPMENT PLAN, CIVIL CONSTRUCTION PLANS OR SITE PLAN AMENDMENT PLAN (WHICHEVER IS APPLICABLE) (ACCEPTED SIZE 24" x 36")

ELECTRONIC VERSION (.pdf) OF THE PLANS EMAILED TO SMEASON@LAKEWORTHTX.ORG

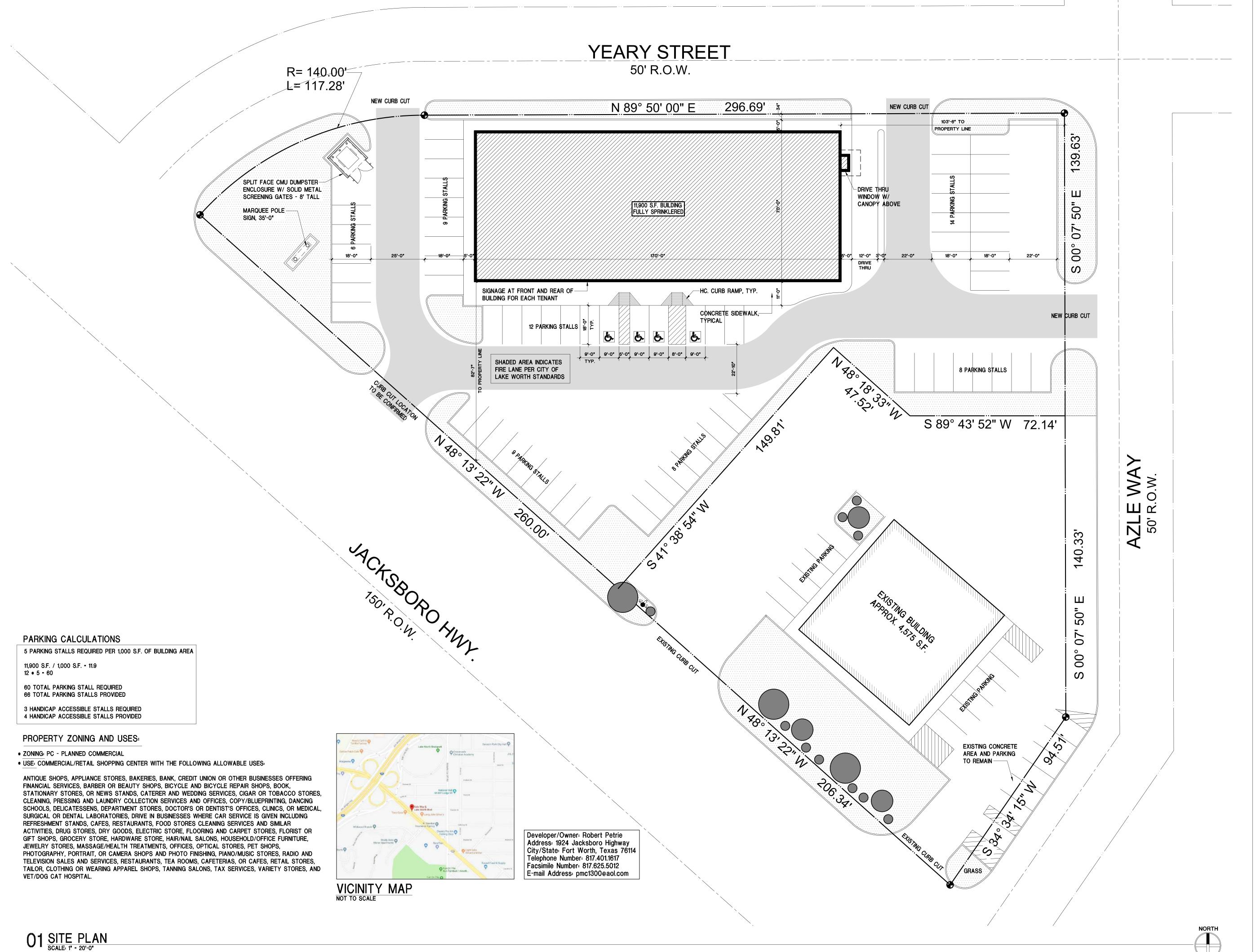
Public Hearing Newspaper Notice Deadline Date:

Public Hearing 200' Notification Deadline Date:

P&Z Commission Meeting Date:

Ownership Verified:

City Council Meeting Date:



DATE: 09.26.19

JOB NO: 19.02RP

DRAWN: STAFF

CHECKED: AG



103 N. GREENSTONE LN.
DUNCANVILLE, TX 75116
PH: (214) 766-5905

KATIE'S EXPRESS CAR WA JACKSBORO HWY. AND AZLE

REVISIONS

SITE PLAN

SHEET NUMBER

A1.00

CITY OF LAKE WORTH NOTICE OF PUBLIC HEARING PLANNING AND ZONING COMMISSION AND CITY COUNCIL

LAND USE DESIGNATION/DEVELOPMENT PLAN PLANNING & ZONING CASE #PZ-2019-26

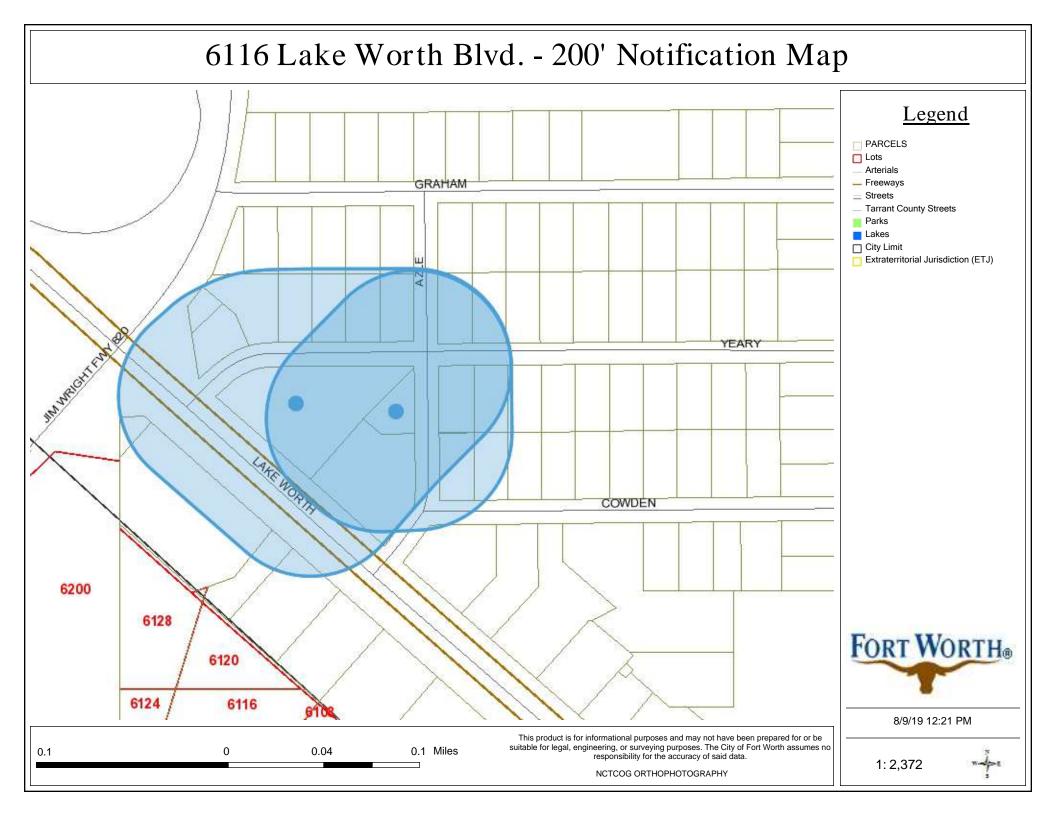
You may own property within two hundred feet (200') of the property described in the notice below. The owner of the property has made application for Land Use Designation for a Commercial Shopping Center and Development Plan approval. Attached you will find a copy of the requested site plan for the location. You are invited to attend and participate in the following public hearings regarding this application:

The Planning and Zoning Commission of the City of Lake Worth, Texas, will conduct the first of two public hearings at 6:30 p.m. on Tuesday, October 15, 2019, at Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider recommendations to the City Council regarding an Ordinance amending Ordinance No. 500, the Comprehensive Zoning Ordinance of the City of Lake Worth, so as to consider a land use designation and development plan of an approximately 1.26-acre parcel of land, legally known as Block 4, Lot 2-R1, Broadview West Addition, Tarrant County, Texas, being that all of the certain called 1.26-acre parcel of land recorded in the deed records of Tarrant County, Texas, by amending the Official Zoning Map to reflect such change. The property to be considered is generally described as a 1.26-acre parcel of land located at 6116 Lake Worth Blvd., Lake Worth, Texas. The City Council will conduct a second Public Hearing at 6:30 p.m. on Tuesday, November 12, 2019, at Lake Worth City Council Chambers, 3805 Adam Grubb, Lake Worth, Texas 76135 to hear public comment and consider the proposed land use designation and development plan for the above listed property. All interested parties are encouraged to attend.

Abner & Janis Skinner, Jr. Forrest D & Nelda Giles **BAP Hospitality LLC** 624 Boyd Road 8104 Tumbleweed Trail 152 McVoid Road Azle, Texas 76020 Fort Worth, Texas 76108 Springtown, Texas 76082-5929 Saginaw Rental & Leasing Co Maria R & Rafael Chavez Wells Fargo Bank 6704 Azle Avenue 333 Market FI 10th Street 6032 Cowden Street Lake Worth, Texas 76135-3302 Fort Worth, Texas 76135-2223 San Francisco, CA 94105-2101 Kamimasa Enterprises Inc. Theresa Kay Riley First State Bank Texas 6823 Green Oaks Rd Ste C 7108 Lilac Lane 9001 Airport Fwy Ste 850 Fort Worth, Texas 76116-1732 Fort Worth, Texas 76135-2223 North Richland Hills, Texas 76180-9198 Abdul Hadwani Jaswinder Singh Ruth B Jarrell PO Box 137297 1508 Royal Lane 6036 Yeary Street Colleyville, Texas 76034-5584 Fort Worth, Texas 76136-1297 Fort Worth, Texas 76135-3308 Jose L & Maria Godinez Whataburger Inc 6101 Graham Street 14301 S Padre Island Drive Corpus Christi, Texas 78418-6032 Lake Worth, Texas 76135 Luis & Blanca Barron Mendez Katie's Express Car Wash LLC 1924 Jacksboro Hwy. 6041 Graham Street Fort Worth, Texas 76114-2315 Lake Worth, Texas 76135-3303 Amanda Griffin Jesus & Laura Garcia 6040 Yeary Street 6041 Yeary Street Lake Worth, Texas 76135 Lake Worth, Texas 76135-3307 Guadalupe & Eugenia Delgado 6100 Yeary Street PO Box 150277 Lake Worth, Texas 76135

Levys Properties Inc Fort Worth, Texas 76108 Frank W Riley, Jr. Bonny W & Frances Horton 7104 Lilac Lane 6033 Yeary Street Lake Worth, Texas 76135-2121 Lake Worth, Texas 76135-3307 Frank W Riley, Jr. Clancy Brizuela 6040 Cowden Street Lake Worth, Texas 76135-3302

6704 Azle Avenue Lake Worth, Texas 76135-2121





Building Development Services
Planning & Zoning Department
3805 Adam Grubb
Lake Worth, Texas 76135
817-255-7922 or smeason@lakeworthtx.org

PUBLIC COMMENT FORM

Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)

	on the attached public notice for Case #PZ-2019-26 (Commercial 6116 Lake Worth Blvd.).	Shopping Center –	
Property	ty Owner Name: Ques Sorrest	()	
ropert	(Please print)	2 1	
Mailing	g Address: AZ W Voul Rd Zpr	my Trung	
Phone:	: 877-677-3043 Email:		
Signatur	ure: Date:	5-9-2019	
Propert	I am AGAINST the proposed land use designation and development plan as explained on the attached public notice for Case #PZ-2019-26 (Commercial Shopping Center – 6116 Lake Worth Blvd.). roperty Owner Name:		
СОММЕ	MENTS:		
	NCLUDED IN THE AGENDA PACKET PLEASE RETURN FORM TO THE PLANN	ING & ZONING	
	attached public notice for Case #PZ-2019-26 (Commercial Shopping Center – 6116 Lake Worth Blvd.). I am AGAINST the proposed land use designation and development plan as explained on the attached public notice for Case #PZ-2019-26 (Commercial Shopping Center – 6116 Lake Worth Blvd.). Toperty Owner Name:		
Property	rty Address:		
Legal De	Description:	Al	
		0C1 I @ S0	



Building Development Services
Planning & Zoning Department
3805 Adam Grubb
Lake Worth, Texas 76135
817-255-7922 or smeason@lakeworthtx.org

PUBLIC COMMENT FORM

Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
I am FOR the proposed land use designation and development plan as explained on the attached public notice for Case #PZ-2019-26 (Commercial Shopping Center – 6116 Lake Worth Blvd.). I am AGAINST the proposed land use designation and development plan as explained
on the attached public notice for Case #PZ-2019-26 (Commercial Shopping Center – 6116 Lake Worth Blvd.).
Property Owner Name: FRANK BILEY
(Please print) Mailing Address: 6704 AZLE AVE.
Phone: 237-8104 Email: RPM02210aol. Com
Signature: June Olife Date: 10/09/19
Property Address(s) (within 200' of subject property): 6113 GRAHAM
COMMENTS: - LOWER PROPERTY VALVE - ADD TO TEAFFIE JAMS " AT YEARY &
HW7 4 199
PUBLIC COMMENT FORMS MAY BE RETURNED AT ANY TIME, BUT IF YOU WISH TO HAVE IT INCLUDED IN THE AGENDA PACKET PLEASE RETURN FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN WEDNESDAY, OCTOBER 9, 2019 @ NOON.
For Office Use Only
Property Address:
Legal Description:
Received By:



Building Development Services
Planning & Zoning Department
3805 Adam Grubb
Lake Worth, Texas 76135
817-255-7922 or smeason@lakeworthtx.org

PUBLIC COMMENT FORM

Please type or fill in information requested below if you would like to have your support and/or opposition of this item made part of the pubic record for the case. (Phone numbers and emails will be redacted for privacy.)
Property Owner Name: FRANK RILEY (Please print)
Mailing Address: 6904 AZLE AVE.
Phone: 237-8104 Email: PM0221@aol.com
Signature:
I am FOR the proposed land use designation and development plan as explained on the attached public notice for Case #PZ-2019-26 (Commercial Shopping Center – 6116 Lake Worth Blvd.). I am AGAINST the proposed land use designation and development plan as explained on the attached public notice for Case #PZ-2019-26 (Commercial Shopping Center – 6116 Lake Worth Blvd.). Operty Owner Name: (Please print) ailling Address: (Please print) anature: Date: Date: Date: Doffifg Operty Address(s) (within 200' of subject property): (YES) DOMMENTS: - LOWER PROPERTY - APD TO TRAFFIC II VIMS* AT YEARY PUBLIC COMMENT FORMS MAY BE RETURNED AT ANY TIME, BUT IF YOU WISH TO HAVE IT INCLUDED IN THE AGENDA PACKET PLEASE RETURN FORM TO THE PLANNING & ZONING DEPARTMENT NO LATER THAN WEDNESDAY, OCTOBER 9, 2019 @ NOON. For Office Use Only Operty Address: gal Description: OCT 11 2019
COMMENTS: -LOWER PROPERTY -APP TO TEAFFIC "VAMS" AT YEARY & HWY *199
INCLUDED IN THE AGENDA PACKET PLEASE RETURN FORM TO THE PLANNING & ZONING
For Office Use Only
Property Address:
Legal Description:

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.1

FROM: Danielle Hackbusch, Human Resources Manager

ITEM: Discuss and consider award of contracts for employee group medical and dental

insurance with Blue Cross Blue Shield (BCBS), group vision insurance with Superior, basic life/AD&D group insurance with Dearborn, New Benefits, and Employee Assistance Program for calendar year 2020 as presented and authorize

the City Manager to execute the contract documents.

SUMMARY:

Proposals for group medical, dental, vision, and basic life/AD&D insurance were solicited by the City's agent of record, Rodney Dryden, with Wellspring Insurance Agency, Inc.

Medical:

BlueCross/BlueShield (BCBS), the current medical insurance provider, presented renewal pricing with an overall annual increase of 18.8% and then a negotiated renewal for current plans at a 6.4% annual increase. Alternative plans from BCBS were also presented with a 'narrow network' called Blue Essentials Access (BEA), the network is Texas Only, with no out of network benefit. The alternative BEA plans presented offer a benefit modification from the current plans, but with significantly reduced premiums. The Texas Municipal League and United Healthcare offered reasonable priced proposals, but they did not meet the goals and desires of the City.

After reviewing the proposed plans and alternates, the recommendation is to renew with BCBS, but modify the structure of the benefit plans to the following:

- 1. Change to the BEA Network. Increase "Base Plan" deductible to \$1500 and the HDHP HSA plan deductible from \$3000 to \$5000 and offer 1 PPO HSA option.
- 2. The modification of the "Base Plan and HDHP allows the City to increase the HSA contribution as listed above and keep City cost at the current level. Current cost to the City is \$1,030,835 with recommended cost with plan modifications at \$1,022,941 based upon current enrollment.

Dental:

BCBS, the current dental insurance provider, has proposed to renew with a 5% increase in premiums for the base and buy up plans. If the city selects BCBS dental, BCBS medical premiums will be reduced by 1% which represents a value of approximately \$10,000 annually. The current fiscal year budget included a 15% increase for dental insurance premiums.

Vision:

Superior Vision, the current vision insurance provider, has proposed to renew with a 0% increase in premiums and 1 year remaining on the rate guarantee. The current fiscal year budget included a 0% increase for vision insurance premiums.

Basic Life/AD&D:

Dearborn Life (BCBS), the current basic life/AD&D provider, presented a renewal with a 0% increase. The current plans are under a rate guarantee until 2021. BCBS has discounted the medical rates by 1% with the continuance of basic life insurance, saving the City approximately \$10,000 annually.

Freshbenies:

The City has been utilizing this program since January 2016 and has saved over \$120,000 in claims by using the Teledoc feature of the program. This benefit is provided by the city at a cost of \$8.50 per employee per month (PEPM). New Benefits has offered to renew for a continued cost of \$8.50 PEPM.

Employee Assistance Program (EAP):

We have secured a renewal proposal, with no increase, from Life Works EAP that provides employees with 5 face-to-face counseling sessions per episode, per family member, with an annual cost to the city of \$1,740.

Specific information/documentation has been included in the packets for review by Council. Staff and a representative from Wellspring Insurance Agency, Inc. will be available to answer questions from Council.

FISCAL IMPACT:

City costs calculations based on enrollment noted, with Buy-Up participants moved to base plan Health insurance costs would decrease from \$908,402 to \$839,444 or 7.5%

ATTACHMENTS:

Wellspring Recommendation Letter Health Insurance Renewal 2020 Lake Worth Medical 2020

RECOMMENDED MOTION OR ACTION:

Move to approve the award of contracts for employee group medical and dental insurance with Blue Cross Blue Shield (BCBS), group vision insurance with Superior, basic life/AD&D group insurance with Dearborn, New Benefits, and Employee Assistance Program for calendar year 2020 as presented and authorize the City Manager to execute the contract documents.



Rodney Dryden November 1, 2019

> Ms. Danielle Hackbusch Human Resources Manager City of Lake Worth 3805 Adam Grubb Lake Worth, TX. 76135

Dear Ms. Hackbusch:

Thank you for the opportunity to submit this proposal to the City of Lake Worth for Employee Medical, Dental, Vision and Basic Life/AD&D/Dependent Life insurance. Additionally, I thank you for the information and insights that you provided concerning the employee benefit plans sponsored by the City. It has been very useful in preparing my proposal.

Following the instructions in your *Request for Proposal* and our subsequent discussions, we have conducted an exhaustive search of the insurance marketplace and prepared a comprehensive proposal for your review. Below is a summary of our proposal.

Our goal in selecting employee insurance providers was:

- 1. Provide equivalent benefits as currently offered to City Employees.
- 2. Offer a comprehensive provider network representative of the Lake Worth and surrounding area.
- 3. Offer an excellent reputation with respect to financial rating, customer service and claims payments.
- 4. Offer the most competitive cost available, and hopefully, a cost that represents either no increase or a small increase over current cost.

The City currently provides Medical, Dental, Vision and Basic Life/Accidental Death and Dismemberment Basic Dependent Life insurance, New Benefits and EAP. Below is an analysis and recommendations for each of these lines of insurance coverage:

MEDICAL

The current medical provider is **Blue Cross Blue Shield**. The 2019 Medical Loss Ratio (Claims versus Premiums) is 101%. We have three (3) large claims (in excess of \$400,000). The current loss ratio for the City is approximately 25% higher than expected by BCBS and the current risk characteristics are not favorable. The renewal presented by BCBS represents an increase of 18.8% compared to current. The proposed increase represents an \$201,000 overall increase of which approximately \$185,000 is City cost. BCBS agreed to a negotiated renewal for current plans of 6.4%, \$68,000 total increase and \$65,000 to the City for current plans.

During discussions in our planning meetings with the City, we presented ideas regarding "narrow network" options. Specifically, BCBS's Blue Essentials Access (BEA), the network is Texas Only, with no out of network benefit. The BCBS BEA plans presented offer a benefit modification from current, but significantly reduce premium.

The Texas Muncipal League and United Healthcare offered reasonable priced proposals, but they did not meet the goals and desires of the City

Based upon my review of the proposed plans and alternates with you, the City Manager, Finance Director and City Secretary, my recommendation is to renew with BCBS, but modify the structure of the benefit plans. Change to the BEA Network, increase "Base Plan" deductible to \$1500 and the HDHP HSA plan deductible from \$3000 to \$5000 and offer 1 PPO HSA option. Increase the HSA by contribution from the City from \$131 per month to \$242 EO, \$329 ES, \$304 EC and \$402 EF for BAE HSA and \$198 EO, \$270 ES, \$249 EC and \$329 EF for PPO HSA participants. The modification of the "Base Plan and HDHP allows the City to increase the HSA contribution as listed above and keep City cost at the current level. Current cost to the City is \$1,030,835 with recommended cost with plan modifications at \$1,022,941 based upon current enrollment.

DENTAL

The current dental provider is Blue Cross Blue Shield. The City offers employees a dual option Low PPO/High PPO dental plan. The City pays the employee-only premium for the Low Plan and employees have the option of "buying-up" to the High plan if they choose. Blue Cross has offered the City renewal pricing for the Low Plan that represents a 5% (\$.42)increase. The increase to the City based upon current enrollment is \$96.00 annually. The renewal cost for the High Plan is also 5% increase. The medical plan from BCBS was reduced by 1% with the continuance of dental coverage which has a value of approximately \$10,000. Proposals were received from other providers, with the most competitively priced options received from Sunlife and Dental Select. The proposed plan from Dental Select reduces City cost by approximately \$400 annually

My recommendation is to renew the current BCBS dental plans at a 5% increase.

VISION

Our current vision provider is Superior Vision and they have proposed a 0% price increase for the 2020 plan year and has 1 years remaining on the rate guarantee. We have also secured proposals from a number of other providers, but none have offered like benefits that represent any cost savings.

My recommendation is to renew our vision plan with Superior Vision at an annual cost of \$8,187.60 with a cost to the City of \$5,157.36.

BASIC LIFE/ACCIDENTAL DEATH AND DISMEMBERMENT/DEPENDENT LIFE
The current provider is Dearborn Life (BCBS) the current plans are under rate guarantee

Until 2021. BCBS has discounted the medical rates by 1% with the continuance of basic life insurance, saving the City approximately \$10,000 annually.

My recommendation is to renew basic life and dependent life to Dearborn National, with a total annual cost of \$8,461.51.

NEW BENEFITS

In 2016 the City implemented this program and since January of 2016 the City has saved over \$120,000 in claims by your employees using the Teledoc feature of the program. The cost of this benefit is currently \$8.50.

New Benefits has offered a proposal for their service which provides the same TeleDoc service for a continued cost of \$8.50 PEPM

My recommendation is that the City renew New Benefits.

EMPLOYEE ASSISTANCE PROGRAM (EAP)

We have secured a proposal from Life Works EAP for your consideration. The program offers a full feature EAP services and provides employees with 5 face-to-face counseling sessions per episode per family member with an annual cost to the City of \$1740.

My recommendation is that the City renew the EAP program through Life Works with an annual cost of \$1740 based upon current population.

I shall be pleased to answer any questions which you may have regarding this report or any of the enclosures. Thank you for the privilege to serve the City of Lake Worth.

Sincerely,

Rodney K. Dryden

President

CITY OF LAKE WORTH HEALTH INSURANCE RENEWAL JANUARY 1, 2020

BLUE ESSENTIALS PPO/ BLUE ESSENTIALS HSA/BUY UP HSA PPO

		CU	IRRENT PLA	NS						R	ENEWAL PLA	ANS			RENEWAL	. % INCR
	BASE		BUY-UF)	HSA			BASE	HSA-BE			HSA-PPO			BASE	HSA
	PREM	#	PREM	#	PREM	#										
EO	785.00	33	842.20	7	656.07	30		726.42	483.84			527.93			-7.46%	-26.25%
ES	1,726.98	3	1,852.81		1,443.33	1		1,598.12	1,064.45			1,161.44			-7.46%	-26.25%
EC	1,452.32	6	1,558.03	2	1,213.71	6		1,343.86	895.10			976.66			-7.47%	-26.25%
EF	2,511.93		2,694.95		2,099.37	2		2,324.50	1,548.26			1,689.34			-7.46%	-26.25%
		42		9		39										
									_							
										HSA-BE	HSA-BE		HSA-PPO	HSA-PPO		
			CITY COST					CITY	COST	Contrib	Total		Contrib	Total	CITY	COST
EO	785.00		785.00		656.07	+131=	787.07	726.42	483.84	242.00	725.84	527.94	198.00	725.94	-7.46%	-7.78%
ES	1,067.60		1,067.60		938.68	+131=	1,069.68	987.93	658.02	329.00	987.02	717.98	270.00	987.98	-7.46%	-7.73%
EC	985.20		985.20		856.28	+131=	987.28	911.65	607.22	304.00	911.22	662.56	249.00	911.56	-7.46%	-7.70%
EF	1,303.08		1,303.08		1,174.16	+131=	1,305.16	1,205.84	803.18	402.00	1,205.18	876.36	329.00	1,205.36	-7.46%	-7.66%
			EMP COST					EMP	COST						EMP (COST
EO	0.00		57.20		0.00			0.00	0.00			-0.01			0.00%	0.00%
ES	659.38		785.22		504.66			610.19	406.43	-98.23	-1,178.80	443.46			-7.46%	-19.47%
EC	467.12		572.84		357.44			432.21	287.88	-69.56	-834.70	314.10			-7.47%	-19.46%
EF	1,208.86		1,391.88		925.22			1,118.66	745.08	-180.14	-2,161.63	812.98			-7.46%	-19.47%

NOTES:

of participants as of 10/30/19

City cost calculations based on enrollment noted, with Buy-Up participants moved to base plan Health insurance costs would decrease from \$908,402 to \$839,444 or 7.5%

HSA-BE EXPOSURE COMPARISON TO CURRENT HSA PLAN

	CURR	NEW		PREM	NET
	PLAN	PLAN	DIFF	SVGS	DIFF
EO	1,428	2,084	656	0	656
ES	4,428	6,052	1,624	1,179	445
EC	4,428	6,352	1,924	835	1,089
EF	4,428	5,176	748	2,162	-1,414

CITY OF LAKE WORTH MEDICAL- JANUARY 2020

	"Base Plan"	"Buy-Down"	"Base Plan"	"Buy-Down"	Alt 12	Alt 11	Alt 8		
Wellspring Insurance Agency, Inc.	BCBS PPO MTBCP803	BCBS PPO HSA MTBCP603	BCBS PPO MTBCP803	BCBS PPO HSA MTBCP603	BCBS Blue Essentials MTBEA389A	BCBS Blue Essentials HSA MTBEAA1AH	BCBS PPO HSA MTBCPA1AH		
Coinsurance	80%/60%	100%/70%	80%/60%	100%/70%	80%	100%	100/70%		
Deductible Ind/Fam	\$1000/\$3000	\$3000/\$6000	\$1000/\$3000	\$3000/\$6000	\$1500/\$4500	\$5000/\$10000	\$5000\$10000		
Office Copay/HCA	\$30/\$60	100% AD	\$30/\$60	100% AD	\$30/\$60	100% AD	100% AD% AD		
Preferred RX Benefit	\$0/\$10/\$50/\$1 00/\$150/\$250	100% AD	\$0/\$10/\$50/\$1 00/\$150/\$250	100% AD	\$0/\$10/\$50/\$10 0/\$150/\$250	100% AD	100% AD% AD		
Coinsurance/ OOP Max	\$4000/\$12000	\$3000/\$6000	\$4000/\$12000	\$3000/\$6000	\$4500/\$13500	\$5000/\$10000	\$5000\$10000		
Employee Count:	95 Enr	olled	95 En	rolled	95 Eni	rolled			
Employee Only	41	30	41	30	41	30			
Employee Spouse	3	1	3	1	3	1			
Employee Child(ren)	10	7	10	7	10	7			
Employee Family	1	2	1	2	1	2			
	55	40	55	40	55	40			
Billed Rates:	CURREN	T RATES	FINAL R	ENEWAL	BEA TEXAS ONLY I	NO PCP REQUIRED			
Employee Only	\$785.00	\$656.07	\$837.04	\$695.66	\$726.42	\$483.84	527.93		
Employee Spouse	\$1,726.98	\$1,443.33		\$1,530.43	\$1,598.12	\$1,064.45			
Employee Child(ren)	\$1,452.32	\$1,213.71	\$1,548.60	\$1,286.95	\$1,343.86	\$895.10			
Employee Family	\$2,511.93	\$2,099.37	\$2,678.46	\$2,226.06	\$2,324.50	\$1,548.26	1689.34		
Percent Change			106.6%	106.0%	92.5%	73.7%			
Total Monthly Premium	\$54,401.07	\$33,820.14	\$58,007.51	\$35,861.00	\$50,340.68	\$24,941.87			
Total Annual Premium	\$652,812.84	\$405,841.68	\$696,090.12	\$430,332.00	\$604,088.16	\$299,302.44			
Combine Annual Premium	\$1,058,	654.52	\$1,126	,422.12	\$903,3	390.60			
City HSA Contribution	\$62,88	80.00	\$62,8	80.00	\$126,2	252.00			
City Premium Cost	\$967,9	55.34	\$1,032	,124.20	\$895,7	717.87			
Total City Cost	\$1,030,	835.34	\$1,095	,004.20	\$1,021	,969.87			
Total Percent Change			10	6%	99	9%			
Employer Monthly Cost				100% EO Cost 8	& 30% of Dep Cost	for either Plan			
Employee Only	\$785.00	\$656.07	\$837.04	\$695.66		\$483.84	\$527.93		
Employee Spouse	\$1,067.59	\$892.57	\$1,138.37	\$981.93	\$987.93	\$658.02	\$717.98		
Employee Child(ren)	\$985.20	\$823.59	\$1,050.51	\$906.11	\$911.65	\$607.22	\$662.55		
Employee Family	\$1,303.08	\$1,089.65	\$1,389.47	\$1,198.52	\$1,205.84	\$803.17	\$876.35		
	140.01							BEA Monthly HSA Contribution	PPO Monthly HSA Contribution
Employee Cost Per Pay Perio		60.00	60.00	60.00	60.00	60.00	60.00		
Employee Only	\$0.00					\$0.00		\$242.00	\$198.00
Employee Spouse	\$329.69			\$236.25	\$305.10	\$203.21	\$221.73	\$329.00	\$270.00
Employee Child(ren)	\$233.56			\$167.21	\$216.10	\$143.94		\$304.00	\$249.00
Employee Family	\$604.43	\$504.86	\$644.50	\$433.49	\$559.33	\$372.55	\$406.49	\$402.00	\$329.00

CITY OF LAKE WORTH PROPOSAL SUMMARY 2020

The following summarizs results or our marketing effort and focuses on recommended providers for the City.

Medical carriers to respond:BCBS, UHC, BevCap & TML offered while Aetna, Cigna, Scott & White, Trustmark and Humana declined to quote

Anncillary carriers to respond: BCBS, MetLife, United Concordia, Dental Select, Declined: EyeMed. LFG, Boston Mutual, Cigna, Hartford, BSW, Rannaiisance, Mutual of Omaha, Standard, Principal, Delta

Blue Cross Blue Shield

- * 18.8% initial renewal
- * 6.4% final renewal, \$64,000 increase to the City for current plans
- * Loss Ratio as of renewal 101%
- * Current loss ratio through Sept 97.6%
- * BEA \$1500 Deductibe and \$5000 deductible HSA represent a reduction of 15%
- * eliminate \$500 and \$1000 deductible plans
- * \$62,880 HSA contribution by the City based upon current enrollment
- * \$126,664 proposed HSA contribution based upon current enrollment
- * \$8000 net cost reduction from current with Plan changes and increased HSA contribution
- * 3 large claimants account for \$407,242 in claims
- * 9 members have satisfied between \$500-\$1000 of out of pocket
- * 13 members have satisfied between \$1001-\$2000 of out of pocket
- * 13 members have satisfied between \$2001-\$3000 of out of pocket
- * 11 members have spent more than \$3000 out of pocket
- * Illustrated Blue Essentials Network, which is Texas only, please see enclosed flyer
- * Blue Essentials and PPO can both be offered up to 4 plans total

Dental

- * 5% BCBS dental renewal increase
- * 1% of medical discount contingent upon dental being renewed
- * 1% discount off Medical with BCBS dental, value of approximately \$10,000

Basic Life & AD&D, Dependent Life & Voluntary Life

- * Dearborn (BCBS) no change in rates on basic life & AD&D or dependent life
- * 1% of medical discount from initial renewal contingetn upon renewing life insurance

Vision

* Superior- current rates and plan are guaranteed until 1/1/21

Freshbenies (New Benefits)

* Service has been utilized 247 times savings more than \$120,000 in claims, with a cost of approximately \$35,800 since January 2016

Life Works EAP

- * Full Feature EAP with 5 session included in cost per life event
- * \$1740 annual cost, if the City grows to more than 100 employees the cost will be re-negotiated

City Cost	Current Cost	New Cost	Net Change in Cost
Recommendations:			
> Medical	\$785.00	\$726.00	(\$59.00)
> Basic Life & Dependent Life average cost	\$8.10	\$8.10	\$0.00
> Dental " Base Plan" cost	\$9.45	\$9.92	\$0.47
> Transition to New Benefits	\$8.50	\$8.50	\$0.00
> Vision	\$4.94	\$4.94	\$0.00
> EAP Program based upon 95 empl	oy\$1.61	\$1.61	\$0.00
Total Cost PEPM	\$817.60	\$759.07	(\$58.53)
Annualized Cost PEPM	\$9,811.20	\$9,108.84	(\$702.36)

CITY OF LAKE WORTH- HEALTHCARE COST HISTORY 2015-2020

Wellspring Insurance Agency, Inc.	Plan Year						5 Year
	2015	Plan Year 2016	2017	2018	2019	2020	Average
Enrolled Employees				84	87	95	
Loss Ratio				70%	114%	101%	
Current Annual Premium	\$949,393	\$949,393	\$839,403	\$848,509	\$999,564	\$1,066,682	
Initial Renewal Increase		27%	37%	9.9%	34.0%	18.8%	25%
Initial Renewal Premium Total Percentage Premium		\$1,224,714	\$1,154,743	\$932,512	\$1,339,414	\$1,267,434	
Change current Plans after							
Bidding		17 %	27%	9.9%	34.0%	6.4%	19%
Negotiated Renewal		\$1,110,797	\$1,070,755	\$932,512	\$1,339,414	\$1,119,017	
Value of Negotiation if current		\$114,000	\$84,000	\$0	\$0	\$133,000	\$66,200
plan was renewed		Ş114,000	Ş84,000	30	ŞU	\$155,000	300,200
Premium Selected Provider		\$869,178	\$839,403	\$932,512	\$1,090,509	\$903,390	
Premium Cost Change		-\$80,000	\$0	\$84,000	\$69,000	\$163,000	\$ 47,200
Final Premium Percentage Change		-7%	0%	9.90%	6.90%	-15.00%	-1.0%
Selected Provider		BCBS	UHC	UHC	BCBS	BCBS BEA	
City Base Plan		80/60 \$1000 Ded	80/60 \$1000 Ded	80/60 \$1000 Ded	80/60 \$1000 Ded	80% \$1500 Ded	
HSA Contribution					\$1,597	\$2,916	
Employee	\$712	\$652	\$657	\$722	\$785	\$726	
Employee Spouse	\$1,565	\$1,433	\$1,445	\$1,588	\$1,727	\$1,598	
Employee Child(ren)	\$1,316	\$1,205	\$1,216	\$1,335	\$1,452	\$1,344	
Employee Family	\$2,277	\$2,085	\$2,102	\$2,310	\$2,512	\$2,325	

^{**} Begiinning in 2011 3.45% of total premium cost are directly related to Health Insurer Fee & Reinsurance as mandated by Healthcare Reform (ACA)

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.2

FROM: Stacey Almond, City Manager and Danielle Hackbusch, Human Resource

Manager

ITEM: Discuss and consider continued participation in the cost of employee dependent

health insurance coverage at the current rate of 30%.

SUMMARY:

The City has contributed 30% to the cost of employee dependent health insurance coverage for the last several years. Staff is requesting that the contribution continue at the current rate of 30% of dependent premium cost. Currently there are 21 employees who cover one or more dependents.

FISCAL IMPACT:

Based on the Blue Cross/Blue Shield renewal recommended in item F.1, and using the current enrollment levels, the cost of 30% participation in dependent premium costs for calendar year 2020 is approximately \$80,900 (this calculation is for all funds). The funding for dependent premium costs is included in the approved budget for the current fiscal year ending September 30, 2020.

RECOMMENDED MOTION OR ACTION:

Move to approve continued participation in the cost of employee dependent health insurance coverage at the current rate of 30%.

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.3

FROM: Michael Christenson, Fire Chief

ITEM: Discuss and consider the purchase of two (2) medical cardiac monitors from Zoll

Medical Corporation and authorize the City Manager to execute the contract.

SUMMARY:

Fire Department staff is requesting approval to replace two (2) existing medical cardiac monitors during FY 2020. Special purchasing terms have been provided by the cardiac monitor manufacturer (Zoll Medical Corporation) which would extend the due date of funding until October of 2020.

The cardiac monitors currently being utilized by the Fire Department have experienced significant electrical failures, recently rendering one device inoperable. Replacement parts and components for the existing cardiac monitors have become inaccessible due to the age of the devices.

The existing devices will no longer be supported by the manufacturer effective January of 2021. The current devices were scheduled for replacement during FY 2021; however, the current lack of reliability in the existing devices have advanced the initial replacement schedule. The Zoll monitors are used by MedStar, Fort Worth, Saginaw, River Oaks and White Settlement. By using the Zoll monitors we will be able to replace our supplies utilizing MedStar, which will also result in future cost savings.

FISCAL IMPACT:

City of Lake Worth to pay fifty six thousand and six hundred ninety five dollars (\$56,695.56) to Zoll Medical Corporation in October 2020. This includes discounted pricing under the MedStar purchasing contract.

The terms provided us will allow us time to attempt to secure possible grant funds and/or budget for these monitors in the the FY 20/21 budget cycle.

ATTACHMENTS:

Zoll Medical Quote MedStar agreement AED FDA

RECOMMENDED MOTION OR ACTION:

Move to approve the purchase of two (2) medical cardiac monitors from Zoll Medical Corporation and authorize the City Manager to execute the contract.



3805 Adam Grubb Lake Worth, TX 76135

Attn: Ryan Arthur

email: rarthur@lakeworthtx.org

Tel: 817-255-7956

ZOLL Medical Corporation

Worldwide HeadQuarters 269 Mill Rd

Chelmsford, Massachusetts 01824-4105

(978) 421-9655 Main (800) 348-9011

(978) 421-0015 Customer Support

FEDERAL ID#: 04-2711626

QUOTATION 321610 V:1

DATE: October 23, 2019

TERMS: SPECIAL

FOB: Shipping Point
FREIGHT: Prepay and Add

ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
1	601-2231011-01	X Series ® Manual Monitor/Defibrillator \$14,995 with 4 trace tri-mode display monitor/ defibrillator/ printer, comes with Real CPR Help®, advisory algorithm, advanced communications package (Wi-Fi, Bluetooth, USB cellular modem capable) USB data transfer capable and large 6.5"(16.5cm) diagonal screen, full 12 ECG lead view with both dynamic and static 12-lead mode display. Accessories Included: • MFC CPR connector • A/C power adapter/ battery charger • A/C power cord • One (1) roll printer paper • 6.6 Ah Li-ion battery • Carry case • Declaration of Conformity • Operator's Manual • Quick Reference Guide • One (1)-year EMS warranty Advanced Options: Real CPR Help Expansion Pack \$995 CPR Dashboard quantitive depth and rate in real time, release indicator, interruption timer, perfusion performance indicator (PPI) • See - Thru CPR artifact filtering	2	\$40,020.00	\$24,012.00	\$48,024.00

To the extent that ZOLL and Customer, or Customer's Representative have negotiated and executed overriding terms and conditions ("Overriding T's & C's"), those terms and conditions would apply to this quotation. In all other cases, this quote is made subject to ZOLL's Standard Commercial Terms and Conditions ("ZOLL T's & C's") which for capital equipment, accessories and consumables can be found at http://www.zoll.com/GTC and for software products can be found at http://www.zoll.com/SSPTC and for hosted software products can be found at http://www.zoll.com/SSPTC and for hosted software products can be found at http://www.zoll.com/SSPTC. Except in the case of overriding T's and C's, any Purchase Order ("PO") issued in response to this quotation will be deemed to incorporate ZOLL T's & C's, and any other terms and conditions presented shall have no force or effect except to the extent agreed in writing by ZOLL.

- 1. DELIVERY WILL BE MADE 60-90 DAYS AFTER RECEIPT OF ACCEPTED PURCHASE ORDER.
- 2. PRICES QUOTED ARE VALID FOR 60 DAYS.
- 3. APPLICABLE TAX, SHIPPING & HANDLING WILL BE ADDED AT THE TIME OF INVOICING.
- 4. ALL PURCHASE ORDERS ARE SUBJECT TO CREDIT APPROVAL BEFORE ACCEPTABLE BY ZOLL.
- FORWARD PURCHASE ORDER AND QUOTATION TO ZOLL CUSTOMER SUPPORT AT esales@zoll.com OR FAX TO 978-421-0015.
- 6. ALL DISCOUNTS OFF LIST PRICE ARE CONTINGENT UPON PAYMENT WITHIN AGREED UPON TERMS.
- 7. PLACE YOUR ACCESSORY ORDERS ONLINE BY VISITING www.zollwebstore.com.



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ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
ITEM	MODEL NUMBER	ZOLL Noninvasive Pacing Technology: \$2,550 Masimo Pulse Oximetry SP02 & SpCO \$4,540 • Signal Extraction Technology (SET) • Rainbow SET (for SpCO & SpMet) NIBP Welch Allyn includes: \$3495 • Smartcuff 10 foot Dual Lumen hose • SureBP Reusable Adult Medium Cuff End Tidal Carbon Dioxide monitoring (ETCO2) \$4,995	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE
		Oridion Microstream Technology: Order required Microstream tubing sets separately Interpretative 12- Lead ECG: \$8,450 • 12-Lead one step ECG cable- includes 4- Lead limb lead cable and removable precordial 6- Lead set				
2	8000-002005-01	Cable Sleeve, Propaq / X Series, ZOLL Blue	2	\$52.45	\$38.46	\$76.92
3	8000-000901-01	ECG plain white paper- 80mm (pack of 6 rolls)	2	\$25.20	\$18.48	\$36.96

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ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE	
4	8000-0895	Cuff Kit with Welch Allyn Small Adult, Large Adult and Thigh Cuffs	2	\$157.50	\$121.28	\$242.56	*
5	REUSE- 07-2MQ	REUSE-07-2MQ Cuff, Infant, 2-Tube, Twist lock connector	2	\$52.50	\$40.42	\$80.84	*
6	REUSE-08-2MQ	REUSE-08-2MQ Cuff, Small Child, 2-Tube, Twist lock connector	2	\$52.50	\$40.42	\$80.84	*
7	REUSE-09-2MQ	Cuff, Child, 2-Tube, Twist lock connector	2	\$52.50	\$40.42	\$80.84	*
8	8000-001392	Rainbow, RC-4, 4FT, Reusable EMS Patient Cable	2	\$245.00	\$245.00	\$490.00	*
9	8000-000371	SpO2/SpCO/SpMet Rainbow DCI Adult Reusable Sensor with connector (3 ft)	2	\$845.00	\$650.65	\$1,301.30	*
10	8000-000372	SpO2/SpCO/SpMet Rainbow DCI Reusable Sensor, Pedi	2	\$845.00	\$650.65	\$1,301.30	*
11	8300-000676	OneStep Cable, X Series	2	\$446.25	\$327.25	\$654.50	*
12	8009-0020	CPR-D Padz and CPR Stat Padz Connector for R Series	2	\$393.75	\$288.75	\$577.50	*

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ITEM	MODEL NUMBER	DESCRIPTION	QTY.	UNIT PRICE	DISC PRICE	TOTAL PRICE	
13	8900-0400	CPR stat-padz HVP Multi-Function CPR Electrodes - 8 pair/case	1	\$588.00	\$431.20	\$431.20	*
14	8900-000219-01	OneStep Pediatric CPR Electrode (1 pair)	5	\$91.88	\$67.38	\$336.90	*
15	8000-0580-01	Six hour rechargeable Smart battery	4	\$519.75	\$381.15	\$1,524.60	*
16	8200-000100-01	Single Bay Charger for the SurePower and SurePower II batteries.	2	\$992.25	\$727.65	\$1,455.30	*
		Special Payment Terms: Payment due October 15, 2020.					
		*Reflects MedStar Contract Pricing.					
		Lake Worth Fire Department must take delivery of an order based on this quotation by November 30, 2019.					

To the extent that ZOLL and Customer, or Customer's Representative have negotiated and executed overriding terms and conditions ("Overriding T's & C's"), those terms and conditions would apply to this quotation. In all other cases, this quote is made subject to ZOLL's Standard Commercial Terms and Conditions ("ZOLL T's & C's") which for capital equipment, accessories and consumables can be found at http://www.zoll.com/GTC and for software products can be found at http://www.zoll.com/SSPTC and for hosted software products can be found at http://www.zoll.com/SSPTC and for hosted software products can be found at http://www.zoll.com/SSPTC. Except in the case of overriding T's and C's, any Purchase Order ("PO") issued in response to this quotation will be deemed to incorporate ZOLL T's & C's, and any other terms and conditions presented shall have no force or effect except to the extent agreed in writing by ZOLL.

- 1. DELIVERY WILL BE MADE 60-90 DAYS AFTER RECEIPT OF ACCEPTED PURCHASE ORDER.
- 2. PRICES QUOTED ARE VALID FOR 60 DAYS.
- 3. APPLICABLE TAX, SHIPPING & HANDLING WILL BE ADDED AT THE TIME OF INVOICING.
- 4. ALL PURCHASE ORDERS ARE SUBJECT TO CREDIT APPROVAL BEFORE ACCEPTABLE BY ZOLL.
- FORWARD PURCHASE ORDER AND QUOTATION TO ZOLL CUSTOMER SUPPORT AT esales@zoll.com OR FAX TO 978-421-0015.
- 6. ALL DISCOUNTS OFF LIST PRICE ARE CONTINGENT UPON PAYMENT WITHIN AGREED UPON TERMS.
- 7. PLACE YOUR ACCESSORY ORDERS ONLINE BY VISITING www.zollwebstore.com.

TOTAL \$56,695.56



ACKNOWLEDGMENT FORM

MedStar Contract No. 2017-002

We,	AGENCY NAME	located at	ADDRESS	, as of the d	late of this request,
would lik	te to access the ENTER CONT	RACT NAME	AND CONTRACT N	<mark>UMBER]</mark> .	This contract is
effective	through	with ZOLL M	ledical Corporation. As	per the pur	chasing agreement
included	therein, by signing this request, l	am certifying t	hat I am a person author	rized to bind	d the agency, and by
doing so	agree to accept all terms and con	ditions as stated	d within said contract.		
AGENCY NA	AME:	_			
Date:					
Ву:		-			
Title:		-			



September 26, 2019

Dear AED Owner, Healthcare Value Analysis Professional, Clinical Engineer, Physician Prescriber, or Physician Supervisor:

To help ensure the quality and reliability of automated external defibrillator (AED) systems, the FDA has established more stringent regulatory requirements for AEDs and their accessories by requiring these devices to be FDA-approved. If your AED is not FDA-approved, the accessories necessary for your AED may no longer be supported by the manufacturer, and thus no longer available after **February 3, 2021**.

To ensure the availability of life-saving treatment with the AEDs in your facilities, we encourage you to ensure that your AED is FDA-approved and if it is not, begin making plans to transition to an FDA-approved AED. To assist you, these are the steps the FDA recommends that you take.

- 1. Check the <u>list of FDA-approved AEDs</u> on the Automated External Defibrillators (AEDs) webpage on FDA.gov to see if your AED is FDA-approved.
- 2. If your AED is not listed, you should plan to transition to an FDA-approved AED system. Contact the manufacturer of your current AED to discuss your transition plans.
- 3. Ensure that you have compatible AED accessories to meet your needs until you transition to an FDA-approved AED. This is particularly important because AED accessories may require frequent replacement.

AEDs can be highly effective in saving the lives of people suffering cardiac arrest when used in the first few minutes following collapse from cardiac arrest. **Given the importance of these devices in emergency situations, the FDA recommends you continue to keep your AED available for use until you obtain an FDA-approved AED.**

For a medical device to be FDA-approved, the manufacturer must obtain premarket approval. Approval is based on a determination that there is sufficient valid scientific evidence to demonstrate a reasonable assurance of safety and effectiveness. In 2015, the FDA published a <u>final order</u> describing concerns about adverse event reports and product recalls for AED systems, and concluded that AED systems and necessary AED accessories require more FDA oversight. The final order established the requirement for premarket approval for all AEDs and necessary accessories.

(https://www.federalregister.gov/documents/2015/02/03/2015-02049/effective-date-of-requirement-for-premarket-approval-for-automated-external-defibrillator-systems).

The FDA will continue to update the list of FDA-approved AEDs on the <u>Automated External Defibrillators</u> (AEDs) page on FDA.gov.



If you have questions about this communication, please contact the Division of Industry and Consumer Education (DICE) at DICE@FDA.HHS.GOV 800-638-2041 or 301-796-7100.

Sincerely,
/s/
William Maisel, MD, MPH
Director
Office of Product Evaluation and Quality
Center for Devices and Radiological Health
U.S. Food and Drug Administration

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.4

FROM: Danielle Hackbusch, HR Manager/JT Manoushagian, Interim Police Chief

ITEM: Discuss and consider Resolution No. 2019-23, creating job descriptions for the

Police Commander - Support Services, Police Commander - Field Operations,

and revising the Property and Evidence Technician job description.

SUMMARY:

Police Commander – Field Operations

The Police Commander – Field Operations position is a conversion of the pre-existing "Police Lieutenant" position that is being broadened in scope and renamed to align with the department's vision of a flattened organizational structure with empowered leaders at all levels.

This position is consistent in both job requirements and nomenclature with other surrounding departments. The Commander of Field Operations will report directly to the Chief of Police and will command the following units/ divisions:

- Patrol
- Special Operations (Traffic & SRO's).

Police Commander – Support Services

The Police Commander – Support Services position is a conversion of the preexisting "Police Captain/ Assistant Chief" position that is being broadened in scope and renamed to align with the department's vision of a flattened organizational structure with empowered leaders at all levels.

This position is consistent in both job requirements and nomenclature with other surrounding departments. The Commander of Support Services will report directly to the Chief of Police and will command the following units/ divisions:

- Criminal Investigations
- Communications
- Property & Evidence
- Records
- Training
- City Marshal.

Property/ Evidence

The property and evidence technician position is a critical position within the department. Recent reviews have emphasized the importance of a full-time employee serving in this position. Therefore, the "Administrative Assistant" responsibilities will be removed in order to facilitate 100% focus on property and evidence management.

The administrative duties previously held by this position will be divided among the two new

divisional commanders. This position will report directly to the Commander of the Support Services Division.

FISCAL IMPACT:

For the current budget year, the City will realize a budget savings of \$58,625. This savings is due to the fact that Police Lieutenant and Assistant Police Chief positions have both been vacant since the beginning of the fiscal year and is calculated based on filling one Commander position in mid-November 2019 and the other in mid-January 2020.

For future years, there would be increased costs ranging from \$8,895, at the bottom of the pay grade, to \$30,747 at the top of the pay grade.

There is no fiscal impact related to the Property & Evidence Technician position changes.

ATTACHMENTS:

Resolution No. 2019-23
Police Commander - Field Operations Job Description
Police Commander - Support Services Job Description
Property & Evidence Technician Job Description

RECOMMENDED MOTION OR ACTION:

Move to approve Resolution No. 2019-23, creating job descriptions for the Police Commander - Support Services, Police Commander - Field Operations, and revising the Property and Evidence Technician job description.

RESOLUTION NO. 2019-23

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS, ADDING JOB DESCRIPTIONS FOR POLICE COMMANDER - FIELD OPERATIONS, POLICE COMMANDER - SUPPORT SERVICES, AND REVISING THE PROPERTY & EVIDENCE TECHNICIAN JOB DESCRIPTION.

WHEREAS, the Human Resources Manager has prepared and submitted job descriptions for Police Commander – Field Operations, Police Commander – Support Services, and Property & Evidence Technician; and

WHEREAS, the purpose of the job description revisions is to accurately reflect the title, duties, and responsibilities of the positions listed; and

WHEREAS, these job descriptions apply to the respective positions unless specified otherwise by state law, city charter, departmental policy approved by the City Council or other official Council action.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS, THAT:

The following job descriptions are added and revised as indicated and the job descriptions are hereby amended as attached, and shall be effective the 12th day of November 2019:

- 1. Police Commander Field Operations (new)
- 2. Police Commander Support Services (new)
- 3. Property & Evidence Technician (revised)

PASSED AND APPROVED this 12th day of November 2019

	APPROVED:		
	Walter Bowen, Mayor		
ATTEST:			
Monica Solko, TRMC City Secretary			

City of Lake Worth

Job Description

Job Title: Police Commander – Field Operations

Department: Police FLSA Status: Exempt

Job description statements are intended to describe the general nature and level of work being performed by employees assigned to this job title. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required.

GENERAL SUMMARY

The Field Operations Commander is responsible for the executive supervision of the following operational functions within the police department: Patrol, Special Operations.

SUPERVISION RECEIVED AND EXERCISED

This position receives supervision from the Police Chief. This position supervises personnel assigned to the Field Operations Division.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Duties include but are not limited to the following:

- Serves as Police Chief in the absence of the Police Chief as assigned
- Assumes the duties of Support Services Commander during the absence of the Support Services Commander
- Serves as budget analyst and assists in coordinating budget
- Prepares correspondence drafts and other written work as required
- Assists in maintaining departmental personnel files
- Participates in organizational and procedural analysis, recommending and evaluating proposed organizational changes
- Develops cost estimates for new or expanded programs or operations
- Coordinates and/or assists with special projects as assigned by the Chief of Police
- Maintains liaisons with other Police Departments
- Formulates written departmental policies and regulations and administers the affairs of the department
- Assists departmental personnel in planning and implementation of activities involving department training, including assisting training officers at firearms qualifications
- Assists departmental personnel in development and maintenance of departmental operations manual and other policies and procedures
- Implements City and departmental management philosophy
- Conducts performance evaluations of supervised personnel and makes recommendations for salary increases, as well as for hiring, disciplining and terminating employees
- Schedules the work of patrol officers to ensure adequate shift coverage at all times
- Reviews and evaluates complaints and grievances against divisional personnel
- Directs jail operations ensuring that all Federal, State and local regulations are followed
- Assists department personnel in the training, services and equipment necessary for division personnel to accomplish their assigned tasks
- Prepares reports and maintains records of departmental activities

- Instructs all subordinates and provides guidance in the proper application and concepts of Lake Worth Personnel Policy Manual, Police Department Orders, and other policies and procedures
- Reviews all reports written on assigned shifts
- Assists in advising subordinates of changes in the law and departmental policies and procedures
- Participates in the arrest and transport of prisoners
- Makes periodic checks of equipment, officer appearance, performance, conduct and safety procedures and ascertains that proper policies and procedures are followed
- Develops and implements community-based policing strategies and programs
- Instructs citizens, businesses, schools and civic organizations about methods and techniques that may help prevent one from becoming a victim of crime
- Responds to emergency calls and routine complaints and disturbances and takes necessary action
- Monitors roadway and weather conditions, reporting any potential problems to appropriate agencies
- Testifies in court as required
- Oversees the training of new patrol officers
- Acts as liaison between the Police Chief and other departmental personnel and interested parties
- Assists in coordinating special events
- Other duties as assigned

MINIMUM JOB REQUIREMENTS

EDUCATION AND EXPERIENCE

- Bachelor's Degree in Criminal Justice, Criminology, Public Administration or related field(s), Master's Degree preferred.
- Minimum of ten (10) years total law enforcement experience
- Minimum of four (4) years of first-line supervisory experience
- Graduate of a law enforcement management school(s) such as TCU LEAD, FBI NA, ILEA School of Executive Management, ILEA School of Police Supervision, LEMIT, SPI, PERF, or other similar or related school(s)

LICENSES AND CERTIFICATES

Valid Class C Texas driver license; Advanced Peace Officer Certification (Master Certification preferred), Certified Public Manager Certificate preferred, but not required.

PHYSICAL ABILITIES

- Must possess the visual acuity to operate a computer terminal and city vehicle
- Walk, stand, sit, or run for prolonged periods of time
- Regularly push, pull, lift, and/or carry up 10 pounds
- Frequently lift and/or move objects up to 50 pounds
- Occasionally lift and/or move objects up to 100 pounds or more
- Occasionally stoop, bend, kneel, crouch, reach, and twist
- Operate office equipment including use of a computer keyboard
- Speak and hear to exchange information in English
- Operate a vehicle to travel to various locations
- Operate and use specialized law enforcement tools and equipment including guns and handcuffs
- Restrain or subdue individuals

The City of Lake Worth is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act (ADA), the City of Lake Worth will provide reasonable accommodations to qualified individuals with disabilities. All applicants must also take a drug test prior to employment with the city.						
the duties described therein. I understand	ve reviewed the description of my position and agree to perform that City of Lake Worth may make modifications, additions, or ne, and will notify me of any changes by sending me a revised					
Employee's Signature	Date					
Supervisor's Signature	Date					

City of Lake Worth

Job Description

Job Title: Police Commander – Support Services

Department: Police FLSA Status: Exempt

Job description statements are intended to describe the general nature and level of work being performed by employees assigned to this job title. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required.

GENERAL SUMMARY

The Support Services Commander is responsible for the executive supervision of the following operational support functions within the police department: criminal investigations, communications, training, quartermaster, records, City Marshal, and property and evidence management.

SUPERVISION RECEIVED AND EXERCISED

This position receives supervision from the Police Chief. This position supervises personnel assigned to the Support Services Division.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Duties include but are not limited to the following:

- Serves as Police Chief in the absence of the Police Chief as assigned
- Assumes the duties of Field Operations Commander during the absence of the Field Operations Commander
- Serves as budget analyst and assists in coordinating budget
- Prepares correspondence drafts and other written work as required
- Assists in maintaining departmental personnel files
- Participates in organizational and procedural analysis, recommending and evaluating proposed organizational changes
- Develops cost estimates for new or expanded programs or operations
- Coordinates and/or assists with special projects as assigned by the Chief of Police
- Maintains liaisons with other Police Departments
- Formulates written departmental policies and regulations and administers the affairs of the department
- Assists departmental personnel in the planning and implementation of activities involving department training, such as in-service training
- Assists departmental personnel in the development and maintenance of departmental operations manual and other departmental policies and procedures
- Implements City and departmental management philosophy
- Conducts performance evaluations of supervised personnel and makes recommendations for salary increases, as well as for hiring, disciplining and terminating employees
- Coordinates divisional personnel at locations of special assignments, public disturbances, emergency situations and major crime scenes
- Reviews and evaluates complaints and grievances against divisional personnel
- Authorizes departmental expenditures in the absence of the Police Chief
- Assists department personnel in the training, services and equipment necessary for division personnel to accomplish their assigned tasks

- Prepares reports and maintains records of departmental activities
- Instructs all subordinates and provides guidance in the proper application and concepts of Lake Worth Personnel Policy Manual, Police Department Orders, and other policies and procedures
- Reviews and directs preparations for affidavit, arrest and search warrants
- Maintains a working knowledge of Federal, State and local laws and informs and instructs police department personnel as necessary
- Handles external relations and answers citizen requests
- Participates in the arrest and transport of prisoners
- Performs studies and prepares reports of job-related problems and areas
- Assists in the direction and control of the resources of Criminal Investigative Unit toward stated objectives
- Transmits and maintains communications, instructions, letters, memorandums and policies
- Conducts short and long-range planning activities
- Serves as executive officer of various operations
- Attends meetings and conferences to obtain information and represent the department
- Recommends personnel assignments within the division
- Recommends programs and policies to maintain a modern, efficient and effective police department
- Other duties as assigned

MINIMUM JOB REQUIREMENTS

EDUCATION AND EXPERIENCE

- Bachelor's Degree in Criminal Justice, Criminology, Public Administration or related field(s), Master's Degree preferred
- Minimum of ten (10) years total law enforcement experience
- Minimum of four (4) years of first-line supervisory experience
- Graduate of a law enforcement management school(s) such as TCU LEAD, FBI NA, ILEA School of Executive Management, ILEA School of Police Supervision, LEMIT, SPI, PERF, or other similar or related school(s)

LICENSES AND CERTIFICATES

Valid Class C Texas driver license; Advanced Peace Officer Certification (Master Certification preferred), Certified Public Manager Certificate preferred, but not required.

PHYSICAL ABILITIES

- Must possess the visual acuity to operate a computer terminal and city vehicle
- Walk, stand, sit, or run for prolonged periods of time
- Regularly push, pull, lift, and/or carry up 10 pounds
- Frequently lift and/or move objects up to 50 pounds
- Occasionally lift and/or move objects up to 100 pounds or more
- Occasionally stoop, bend, kneel, crouch, reach, and twist
- Operate office equipment including use of a computer keyboard
- Speak and hear to exchange information in English
- Operate a vehicle to travel to various locations
- Operate and use specialized law enforcement tools and equipment including guns and handcuffs
- Restrain or subdue individuals

The City of Lake Worth is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act (ADA), the City of Lake Worth will provide reasonable accommodations to qualified individuals with disabilities. All applicants must also take a drug test prior to employment with the city.

to perform the duties described therein	ave reviewed the description of my position and agree . I understand that City of Lake Worth may make this job description at any time, and will notify me of y for my review and signature.
Employee's Signature	Date
Supervisor's Signature	Date

City of Lake Worth

Job Description

Job Title: Property & Evidence Technician

Department: Police FLSA Status: Non-exempt

Job description statements are intended to describe the general nature and level of work being performed by employees assigned to this job title. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required.

GENERAL SUMMARY

Responsible for the care, custody, and control of all property and evidence obtained by the Police Department.

SUPERVISION RECEIVED AND EXERCISED

This position receives supervision from the Commander of the Support Services Division. This position does not supervise any other position.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Duties include but are not limited to the following:

- Processes and completes detailed forms and reports
- Prepares correspondence, drafts and other written work as required
- Participates in property and evidence procedural analysis, recommending and evaluating proposed property and evidence changes
- Maintains the integrity of the property and evidence room
- Conducts research on property/evidence for destruction, sale and/or converted to city use, and disposes of items in accordance with local, state, and federal laws and regulations
- Maintains property records including creation, receipt, storage, retrieval and disposition
- Preserves, examines and secures evidence; documents all handling of evidence and property; maintains activity logs and generates reports as needed
- Releases items to authorized parties within scope of authority and documents return of evidence to custody
- Maintain the integrity, professionalism, values and goals of the Department by assuring that all rules and regulation are followed, and that accountability and public trust is maintained
- Ensure evidentiary and property compliance with the Texas Association of Chiefs of Police (TPCA) best practices program
- Other duties as assigned

MINIMUM JOB REQUIREMENTS

EDUCATION AND EXPERIENCE

High School diploma or GED, Competency with Microsoft Office products and general computer literacy, previous experience in a fast-paced professional office setting is preferred.

LICENSES AND CERTIFICATES

Valid Class C Texas driver license

PHYSICAL ABILITIES

- Must possess the visual acuity to operate a computer terminal
- Frequently walk, stand, and/or sit for prolonged periods of time
- Occasionally push, pull, lift, and/or carry up 10 pounds
- Occasionally lift and/or move objects up to 20 pounds
- Occasionally stoop, bend, kneel, crouch, reach, and twist
- Frequently climbs stairs/ladders
- Operate office equipment including use of a computer keyboard
- Speak and hear to exchange information in the English language
- Operate a vehicle to travel to various locations

The City of Lake Worth is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act (ADA), the City of Lake Worth will provide reasonable accommodations to qualified individuals with disabilities.

By my signature, I hereby certify that I have reviewed the description of my position and agree to perform the duties described therein. I understand that City of Lake Worth may make modifications, additions, or deletions to this job description at any time, and will notify me of any changes by sending me a revised copy for my review and signature.

Employee's Signature	Date	
Employee's Signature	Date	
Supervisor's Signature	Date	_

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.5

FROM:

ITEM: Discuss and consider changes to the City of Lake Worth Organizational Chart for

the Police Department and City of Lake Worth Employee Pay Plan D.

SUMMARY:

The City of Lake Worth Organizational Chart and Lake Worth Pay Plan D for the Police Department have been updated to reflect the following proposed changes:

- 1. Change Professional Standards Officer title to Training Coordinator;
- 2. Eliminate the Admin. Asst/Property & Evidence Tech position;
- 3. Eliminate the Patrol Lieutenant position;
- 3. Eliminate the Assistant Chief of Police position; and
- 4. Eliminate the Administrative Assistant position in the Police Department.

Add:

- 1. Commander Field Operations
- 2. Commander Support Services
- 3. Property & Evidence Technician

FISCAL IMPACT:

For the current budget year, the City will realize a budget savings of \$58,625. This savings is due to the fact that Police Lieutenant and Assistant Police Chief positions have both been vacant since the beginning of the fiscal year and is calculated based on filling one Commander position in mid-November 2019 and the other in mid-January 2020.

For future years, there would be increased costs ranging from \$8,895, at the bottom of the pay grade, to \$30,747 at the top of the pay grade.

There is no fiscal impact related to the Property & Evidence Technician position changes.

ATTACHMENTS:

Pay Plan 2019-2020 PD changes COLW Org Chart- PD Changes Only

RECOMMENDED MOTION OR ACTION:

Move to approve changes to the City of Lake Worth Organizational Chart for the Police Department and City of Lake Worth Employee Pay Plan D.

CITY OF LAKE WORTH EMPLOYEE PAY SCALE

PAY PLAN D- SWORN POLICE EMPLOYEES Effective October 1, 2019

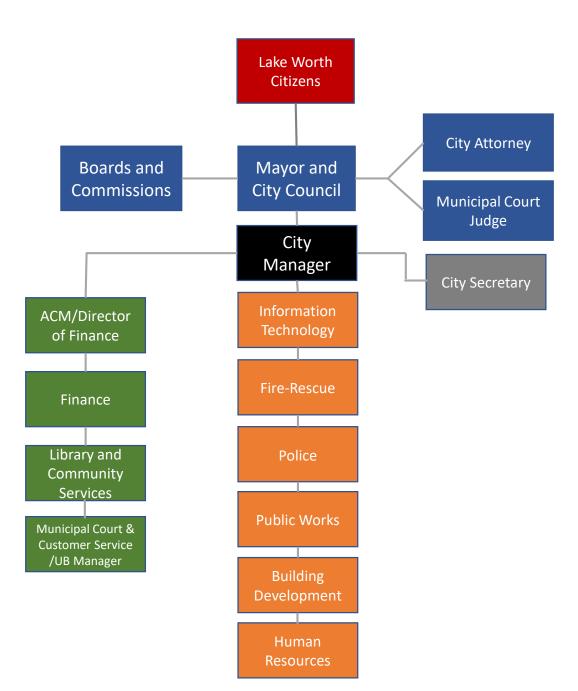
Pay Grade	FLSA Status	Job Title	Pay	Minimum	Maximum
-		l Police Recruit	Frequency	¢42.044.00	Ć42.044.00
P1	N	Police Recruit	Annual	\$42,011.00	\$42,011.00
			Monthly	3,500.92	3,500.92
			Pay Period	1,615.81	1,615.81
			Hourly	20.20	20.20
P2	N	Detective	Annual	\$50,000.00	\$61,000.00
P2	N	Police Officer	Monthly	4,166.67	5,083.33
P2	N	School Resource Officer	Pay Period	1,923.08	2,346.15
P2	N	Training Coordinator	Hourly	24.04	29.33
		Will replace a patrol officer position			
Р3	N	Patrol Sergeant	Annual	\$70,000.00	\$85,400.00
			Monthly	5,833.33	7,116.67
			Pay Period	2,692.31	3,284.62
			Hourly	33.65	41.06
P4	Ε	Patrol Lieutenant - Eliminate	Annual	\$75,000.00	\$90,000.00
		Replace with Commander-Field Ops	Monthly	6,250.00	7,500.00
			Pay Period	2,884.62	3,461.54
			Hourly	36.06	43.27
P4-1	E	Commander-Field Operations	Annual	\$86,000.00	\$112,000.00
		Commander-Support Services	Monthly	7,166.67	9,333.33
		(new positions)	Pay Period	3,307.69	4,307.69
			Hourly	41.35	53.85
P5	E	Assistant Chief of Police - Eliminate	Annual	\$90,000.00	\$109,800.00
		Replace with Commander-Support Svcs	Monthly	7,500.00	9,150.00
			Pay Period	3,461.54	4,223.08
			Hourly	43.27	52.79

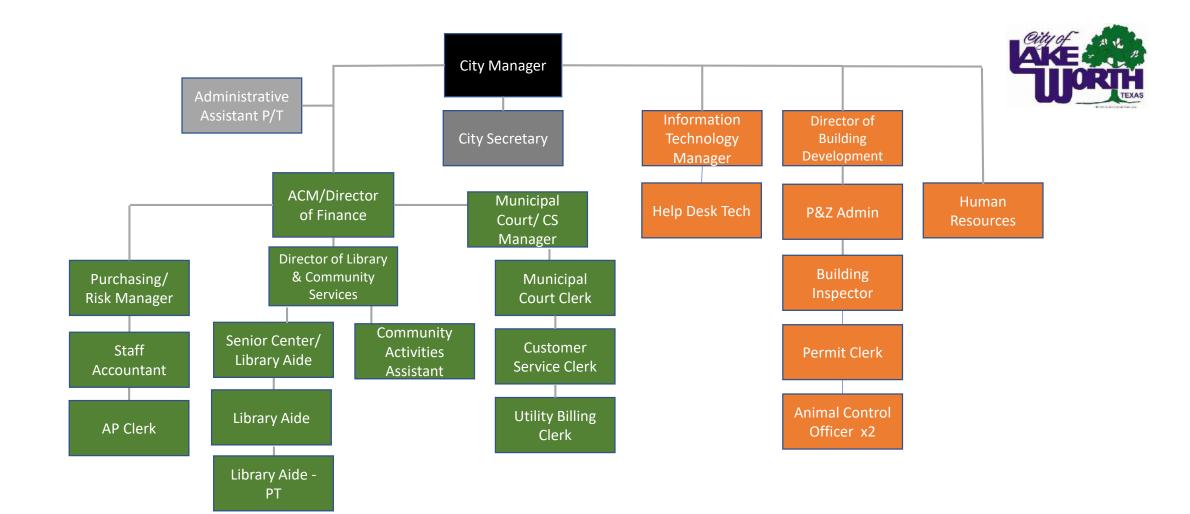
CITY OF LAKE WORTH EMPLOYEE PAY SCALE

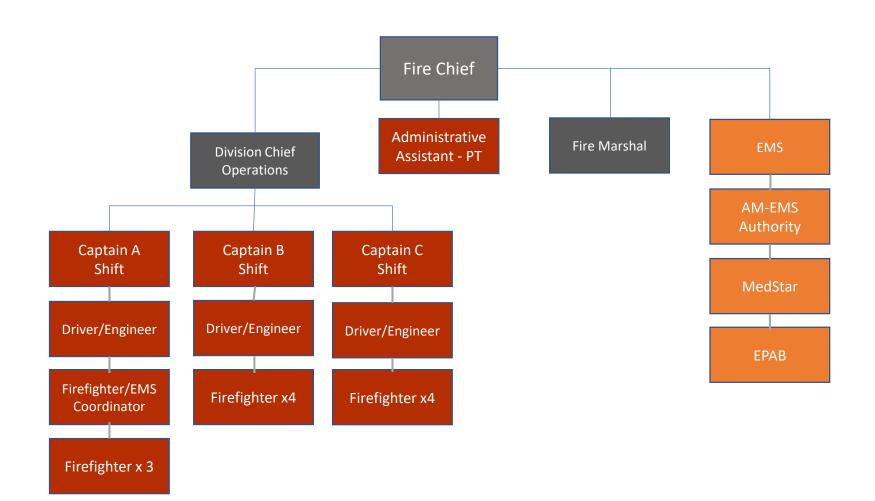
PAY PLAN E- CIVILIAN POLICE EMPLOYEES Effective October 1, 2019

Pay Grade	FLSA Status	Job Title	Pay Frequency	Minimum	Maximum
P1-1	N	Administrative Assistant (*) - Eliminate	Annual	\$38,022.40	\$50,377.60
		• •		• •	· ·
P1-1	N	Property & Evidence Technician (*)	Monthly	3,168.53	4,198.13
		Move to pay grade P2-1	Pay Period	1,462.40	1,937.60
P1-1	Ν	Records Technician	Hourly	18.28	24.22
P1-1	Ν	Telecommunicator			
(*)Positi	ons to re	main vacant if Admin Asst/Property & Evidence Tech	is filled		
P2-1	N	Admin Asst/Property & Evidence Tech (**)	Annual	\$41,825.00	\$55,415.00
		Eliminate	Monthly	3,485.42	4,617.92
	Property & Evidence Technician		Pay Period	1,608.65	2,131.35
		Move from pay grade P1-1	Hourly	20.11	26.64
(**)Posi	tion to be	e filled only if individual positions are vacant			
P3-1	N	Telecommunications Supervisor	Annual	\$50,500.00	\$63,715.00
			Monthly	4,208.33	5,309.58
			Pay Period	1,942.31	2,450.58
			Hourly	24.28	30.63

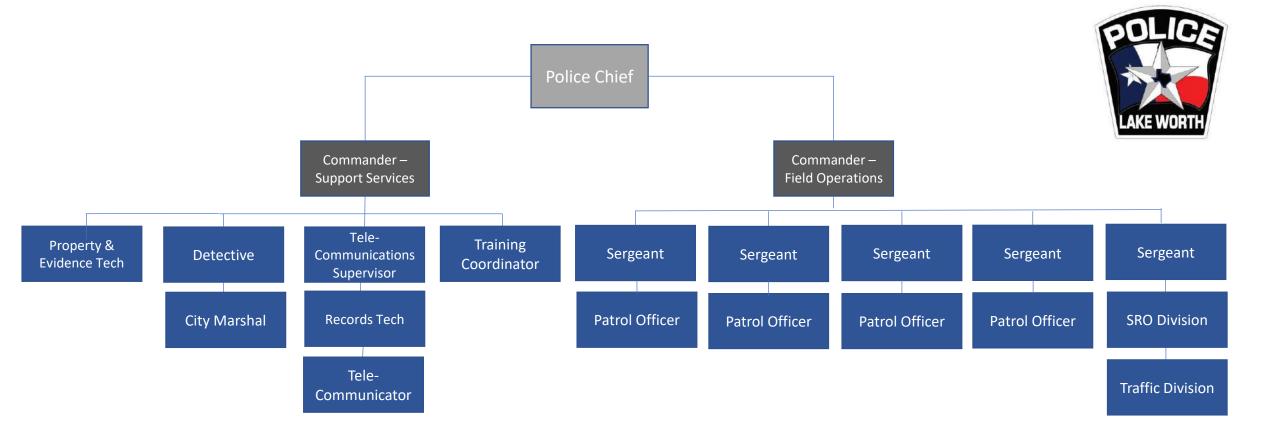


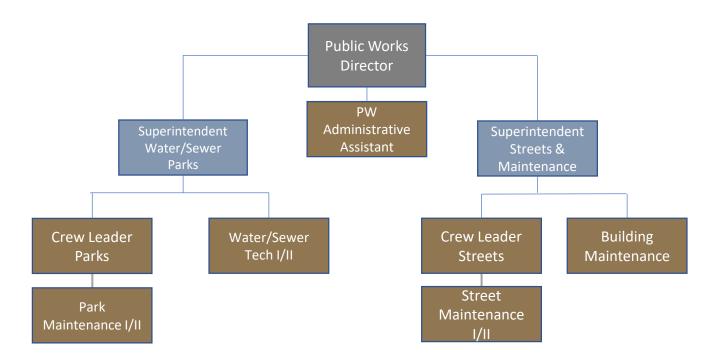














Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.6

FROM: Stacey Almond, City Manager

ITEM: Discuss and consider Resolution No. 2019-24, casting the City of Lake Worth

allocated votes for the Tarrant Appraisal District (TAD) Board of Directors.

SUMMARY:

City Council is asked to consider the candidates for the Tarrant Appraisal District Board of Directors and cast the City's allocated three (3) votes for the candidate(s) of the Council's choosing.

In September of this year the Tarrant Appraisal District (TAD) notified all affected taxing entities that the term of service (two years) of the five-member Board of Directors will expire on December 31, 2019. Each entity was provided the opportunity to make one nomination for each of the five positions to be filled, though no nomination was required.

Lake Worth has been allocated three (3) votes, which may be cast collectively or separately for any nominee(s) on the official ballot. Votes cast for persons not listed on the ballot will not be considered. A complete list of nominees on the official ballot is as follows:

Nominees:	Nominating Entity:
Daniel J. Bennett	City of Haslet
Richard DeOtte	City of Colleyville
	City of Southlake
John Fegan	Birdville ISD
	White Settlement ISD
Michael Glaspie	Tarrant County
Mike Leyman	White Settlement ISD
Gary Losada	City of Colleyville
John Molyneaux	Fort Worth ISD
	White Settlement ISD
Mike O'Donnell	Arlington ISD
	White Settlement ISD
Joe Potthoff	White Settlement ISD
Kathryn Wilemon	Tarrant County

The attached resolution will cast three (3) votes for the nominee(s) chosen by City Council. Those nominees receiving the greatest number of votes will be elected to the TAD Board of Directors for a two-year term, beginning January 1, 2020.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Resolution No. 2019-24 - TAD Ballot Votes 2019 TAD Letter and Nomination Forms Colleyville Recommendation

RECOMMENDED MOTION OR ACTION:

This item is at the discretion of the City Council.

RESOLUTION NO. 2019-24

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS.

SECTION 1.	THAT the City's three (3) votes be cast for the following nominee(s) to serve as a member of the Tarrant Appraisal District Board of Directors during the two year term beginning January 1, 2020.					
	votes for Daniel J. Bennett votes for Richard DeOtte votes for John Fegan votes for Michael Glaspie votes for Mike Leyman votes for John Molyneaux votes for Mike O'Donnell votes for Gary Losada votes for Joe Potthoff votes for Katheryn Wilemon					
PASSED AN	ID APPROVED this the 12th day of November, 2019.					
	CITY OF LAKE WORTH					
	By:					
	Walter Bowen, Mayor					
ATTEST:						
Monica Sc	Iko, City Secretary					



Jeff Law Executive Director Chief Appraiser

October 25, 2019

Mr. Walter Bowen Mayor City of Lake Worth 3805 Adam Grubb St. Fort Worth, Texas 76135

Dear Mr. Bowen:

Tarrant Appraisal District's Board of Directors begins a new two-year term on January 1, 2020. The candidates for appointment to the five voting positions on the Board, listed alphabetically with the taxing unit(s) that timely submitted the nominations for each, are listed on the attached ballot.

Members of the Board are appointed by vote of the governing bodies of the taxing units. The attached list provides the number of votes for each taxing unit. The Property Tax Code requires TAD to prepare the ballot and provides that the governing body may cast all of its votes for one candidate or distribute its votes among any number of candidates listed on the ballot. The Code makes **no** provision for write-in candidates. So votes cast for someone other than the candidates listed on the ballot cannot be counted.

The Property Tax Code requires the governing body of the taxing unit to determine its votes by resolution and to submit the resolution to TAD before December 15, 2019 by mailing to Jeff Law, Chief Appraiser, Tarrant Appraisal District, P. O. Box 185579, Fort Worth, Texas, 76181-0579, or by fax to (817)595-6198 or by email to cthornton@tad.org. At your request, we can provide a sample resolution; please contact us for a copy. The five (5) candidates receiving the most votes are elected to a two (2) year term beginning January 1, 2020.

All tax units and candidates will be notified of the results of the election before December 31, 2019.

Sincerely,

Jeff Law

Executive Director

Chief Appraiser

JL:ct Enclosures

Ms. Stacey Almond



OFFICIAL BALLOT

ELECTION OF MEMBERS TO THE BOARD OF DIRECTORS TARRANT APPRAISAL DISTRICT

Following are the candidates for appointment to the five (5) voting positions on the Board, listed alphabetically with the taxing unit(s) that timely submitted the nominations for each.

Please indicate your taxing unit's vote(s) by entering the number of votes to the left of your candidate(s) of choice.

VOTES FOR	Nominees	Nominating Entity	•
	Mr. Daniel J. Bennett	City of Haslet	
	Mr. Richard DeOtte	City of Colleyville City of Southlake	
	Mr. John Fegan	Birdville ISD White Settlement ISD	
	Mr. Michael Glaspie	Tarrant County	
	Mr. Mike Leyman	White Settlement ISD	
	Mr. Gary Losada	City of Colleyville	
	Mr. John Molyneaux	Fort Worth ISD White Settlement ISD	·
	Mr. Mike O'Donnell	Arlington ISD White Settlement ISD	
	Mr. Joe Potthoff	White Settlement ISD	
	Ms. Kathryn Wilemon	Tarrant County	

IMPORTANT: This ballot must be returned **before December 15, 2019** to Jeff Law, Chief Appraiser, Tarrant Appraisal District, **P. O. Box 185579, Fort Worth, Texas, 76181-0579**, by mail or by fax to (817) 595-6198 or by email to cthornton@tad.org.

Please attach this ballot to the resolution passed by your taxing unit authorizing this vote.

TARRANT APPRAISAL DISTRICT 2019 Calculation of Taxing Entity Votes for Board of Directors Per Section 6.03(d) of Texas Property Tax Code

	2018		
	TAXES	% OF	2019
	IMPOSED	TOTAL	VOTES
School Districts:			
Aledo ISD	\$ 4,422,386	0.10270%	5
Arlington ISD	\$ 387,742,841	9.00408%	450
Azle ISD	\$ 21,552,124	0.50048%	25
Birdville ISD	\$ 145,780,948	3.38529%	169
Burleson ISD	\$ 26,484,960	0.61503%	31
Carroll ISD	\$ 121,637,201	2.82463%	141
Castleberry ISD	\$ 10,263,752	0.23834%	12
Crowley ISD	\$ 107,398,244	2.49398%	125
Eagle Mountain/Saginaw ISD	\$ 145,123,350	3.37002%	168
Everman ISD	\$ 20,636,822	0.47922%	24
Fort Worth ISD	\$ 497,308,653	11.54840%	577
Godley ISD	\$ 1,195,386	0.02776%	1
Grapevine/Colleyville ISD	\$ 209,100,626	4.85569%	243
Hurst/Euless/Bedford ISD	\$ 173,039,168	4.01828%	201
Keller ISD	\$ 273,591,344	6.35328%	318
Kennedale ISD	\$ 20,590,320	0.47814%	24
Lake Worth ISD	\$ 16,835,674	0.39095%	20
Lewisville ISD	\$ 3,016,101	0.07004%	3
Mansfield ISD	\$ 202,021,083	4.69129%	235
Northwest ISD	\$ 123,007,336	2.85645%	143
White Settlement ISD	\$ 30,827,960	0.71588%	36
Total Schools	\$ 2,541,576,278	59.01994%	2951
Cities:			
City of Arlington	\$ 163,132,652	3.78823%	189
City of Azle	\$ 4,938,908	0.11469%	6
City of Bedford	\$ 22,708,215	0.52733%	26
City of Benbrook	\$ 13,094,468	0.30408%	15
City of Blue Mound	\$ 829,947	0.01927%	1
City of Burleson	\$ 5,670,408	0.13168%	7
City of Colleyville	\$ 17,106,631	0.39725%	20
City of Crowley	\$ 6,843,564	0.15892%	8
City of Dalworthington Garde	\$ 1,936,069	0.04496%	2
Edgecliff Village	\$ 624,228	0.01450%	1
City of Euless	\$ 20,400,613	0.47374%	24
City of Everman	\$ 2,087,446	0.04847%	2
City of Flower Mound	\$ 936,916	0.02176%	1

City of Forest Hill		5,232,817	0.12152%	6
City of Fort Worth	\$	514,293,901	11.94282%	597
City of Grand Prairie	\$	50,973,677	1.18370%	59
City of Grapevine	\$	25,861,193	0.60054%	30
City of Haltom City	\$	14,806,074	0.34382%	17
City of Haslet	\$	2,612,161	0.06066%	3
City of Hurst	\$	17,581,020	0.40826%	20
City of Keller	\$	24,207,504	0.56214%	28
City of Kennedale	\$	5,254,379	0.12202%	6
Town of Lakeside	\$	541,834	0.01258%	1
City of Lake Worth	\$	2,156,720	0.05008%	3
City of Mansfield	\$	46,256,559	1.07416%	54
City of N. Richland Hills	\$	32,146,266	0.74649%	37
Town of Pantego	\$	1,383,058	0.03212%	2
City of Pelican Bay	\$	337,581	0.00784%	0
City of Reno	\$	36,659	0.00085%	0
City of Richland Hills	\$	4,262,582	0.09898%	5
City of River Oaks	\$	2,296,423	0.05333%	3
City of Roanoke	\$	550,388	0.01278%	1
City of Saginaw	\$	8,905,965	0.20681%	10
City of Sansom Park	\$	1,211,714	0.02814%	1
City of Southlake	\$	34,641,771	0.80444%	40
Town of Trophy Club	\$	581,025	0.01349%	1
City of Watauga	\$	8,140,475	0.18904%	9
Town of Westlake	\$	1,987,753	0.04616%	2
City of Westover Hills	\$	2,200,112	0.05109%	3
Westworth Village	\$	1,315,628	0.03055%	2
City of White Settlement	\$	6,463,879	0.15010%	8
Total Cities	\$	1,076,549,182	24.99939%	1250
Other:				
Tarrant County	\$	434,780,216	10.09637%	505
Tarrant County College	\$	253,395,306	5.88429%	294
Total Other	\$	688,175,522	15.98066%	799
Total All	\$	4,306,300,982	100%	5000

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Communication ★ Excellence ★ Transparency ★ Integrity

October 21, 2019

Mayor Walter Bowen City of Lake Worth 3805 Adam Grubb St. Fort Worth, TX 76135

Dear Mayor Bowen:

It is once again time to elect the Tarrant Appraisal District (TAD) Board of Directors. Votes are to be submitted by each taxing unit by December 15, 2019. I am writing in support of board nominees Gary Losada and Richard DeOtte. Both are exceptional individuals who will serve us well as TAD Board Members.

In addition to his extensive private-sector experience, school and city leadership team experience, Gary Losada served as a member of the Tarrant Appraisal Review Board from 2009-2015. With an undergraduate degree from the University of San Francisco and a Masters Degree from Stanford, Gary brings an analytical approach to the valuation process. Identifying frustration in the current system, Gary suggests the "current system in place is onerous and intimidating to the taxpayer and weighed in favor of the Appraisal District." Enclosed is a copy of Gary's resume and testimony before the Texas Senate Property Tax Reform Committee (4/27/16).

Rich DeOtte's motivation to run for TAD Board is driven by a desire to "provide fairness, transparency, service and quality" to those within the district. A graduate of Texas A&M, Rich has worked as a Civil Engineer and land development consultant for 34 years. As a business owner, Rich has first-hand knowledge of the challenges relating to property valuation and the impact on local property taxes. A copy of Rich's resume is attached for your perusal.

It is time for new representation on the TAD Board of Directors. I believe Gary Losada and Rich DeOtte bring a unique mix of professional experience and desire to reform on behalf of the taxpayers. Please consider assigning your organization's votes to these exceptional candidates.

Sincerely,

Richard Newton, Ph.D., P.E., PMP

Mayor, City of Colleyville

Enclosures: As stated

	,		

Gary M. Losada

802 Dove Creek Trail Southlake, Texas 76092

214-405-1416 glosada@sbcglobal.net

Board Member - Tarrant Appraisal Review Board

2009 - 2015

Served as hearings committee chair all six years. Responsible for conducting hearings between Tarrant Appraisal District and taxpayers. Included residential, commercial and personal property taxes. Opined on various exemptions and valuations of real estate.

President – GMPL Corporation

1987 - 2017

Estimated, budgeted and negotiated raw land purchases with various banks and secured financing as needed. Successfully presented vatious planned developments to city government planning and zoning and city councils in order to interface with local single family communities. Oversaw contractors including construction, payment disbursement and city acceptance.

President - Office Liquidation Center/Aztec Glass Company

1987 - 2000

As President of Office Liquidation Center, sales were increased tenfold over thirteen years by identifying successful locations and increased inventory to ensure availability. Responsible for all human resource functions and implemented compensation and benefit plans in order to maintain a management/employee team to assit in growth. Added wholesale inventory to retail inventory to cover both areas of marketplace. During same period, acquired Aztec Glass as a subsidiary in order to maximize use of warehouse space. Increased sales by four times annual sales within three years. Successfully implemented plan to focus sales on a national level.

Director of Administration - Dallas Area Rapid Transit

1985 - 1987

Hired in second year of operation in order to organize and establish various departments. Established human resources, purchasing, data processing, building and office management and policy development functions. Oversaw multimillion dollar budget. Met with news media as needed to report progress.

Director of Human Resources - LTV Kentron International/Oil States Ind.

1980 - 1985

Implemented new compensation plan. Successfully implemented new staffing and training plans. Chief Labor negotiator for company that included eleven union locations, eventually reducing unionized locations to three. Held news conferences as needed to sell company's position and to report progress as needed. Responsible for corporate wide staffing, both nationally and internationally.

Assistant to Superintendent – Santa Rosa City Schools

1976 - 1979

Responsible for pupil transportation, data processing, Board policy implementation and labor relations.

City of Palo Alto, CA - Assistant to City Manager

1974 - 1976

Responsible for budget preparation, policy implementation public relations, special assignments by City Manager.

Education

MA Degree Stanford University - Organization/Administration - 1974

BA Degree University of San Francisco - Major Sociology/Minor Business Administration - 1973

Community/Volunteer Activities

Served as Chairman of the Board for Young Life, Arlington Served as Board Member for United charities of United Way Building Committee, Lamar Baptist Church Deacon, Lamar Baptist Church

Personal

Married 42 years with 2 adult children and 2 grandchildren Enjoy playing racquetball, swimming, bicycling and the outdoors

TESTIMONY

by Gary Losada

for Texas Senate Property Tax Reform Committee Hearing
Arlington, Texas
April 27, 2016

My name is Gary Losada and in December of 2015, I completed my 6th year as a member of the Tarrant County Appraisal Review Board. I would like to make it perfectly clear that I am not speaking in any official capacity as a member of the Tarrant County Appraisal Review Board. I am only speaking to you as a concerned individual.

I have served as Chairperson of various panel hearing protests of taxpayers regarding property values. These protests include residential, commercial, business personal property and miscellaneous exemptions. I think it is about time that someone investigate manipulations and questionable practices regarding Appraisal Districts. Today, I will primarily address residential properties. Also in the audience are 3 former Board Members whom I served with who wish not to testify.

The current system in place is onerous and intimidating to the taxpayer and weighted in favor of the Appraisal District. Appraisal Districts have evolved into adversaries. I think they have forgotten that they should be servants of the people. I have personally witnessed this over and over again.

I want to bring to your attention problems within the system that need to be addressed. Broadly they relate to issues that relate to the taxpayer, issues that relate to Tarrant Appraisal District (TAD), and issues that relate to the Appraisal Review Board (ARB).

Taxpayer Issues

It is my wild guess that less than 10% of the accounts established by the Tarrant Appraisal District are protested each year. Why is this number so low? Because the Appraisal District is doing such a great job? I think not. That number is related to several reasons:

- 1. Frustration about how to work within the system
- 2. Lack of clarity on how to protest
- 3. Lack of information
- 4. Evidence that is manipulated
- 5. Time involved
- 6. Many other issues

So what happens to the taxpayer and what to do? The current system demonstrates the need for tax agents and there are plenty. The Tarrant Appraisal District (TAD) in many instances view Tax Agents as the enemy. Tax Agents in my opinion, are extensions of the taxpayer. While I can tell you that there are some overly aggressive tax agents, there are too many overly aggressive District Appraisers as well. The taxpayer gets caught in the middle. This needs to stop. Most taxpayers are not represented which in fact causes, in my opinion, unfair values.

The other problem with this scenario of representation is that it is costly to the taxpayer and taxing entity. If the Appraisal District could get it right and keep it reasonable at the outset, money could be saved that would go to the tax entities, the taxpayer and into the local economy.

TAD Issues

The new computer system at TAD is not user friendly and difficult to navigate:

- 1. Evidence information relating to individual accounts is not readily available. An example is "for value over market" and "unequal " protests.
- 2. District Appraisers will not volunteer assistance. You have to know the right questions to ask and most taxpayers don't know.
- 3. The new system has no definition as to what the condition of the property might be to comparables. It is difficult to understand and in most cases impossible to define " Poor, Below Average, Average, Good or Excellent". The district is not forthcoming in this area and much is left to subjective opinion.
- 4. The new system (or District Appraisers) will not define or explain what the term "feature" means or how the value was determined.
- 5. The new system, regarding comparable properties, gives 6 comps which in most cases are questionable and difficult to understand and will give an indicated value which is not explained. This applies to "value over market" evidence as well as "unequal" evidence.

Appraisal notices that are sent out every year indicate 2 values: Appraised Value and Market Value. The taxpayers that claim a homestead exemption can rest assured that the higher market value will be a built in appraised value increase the following year, which translates to higher taxes. The 10% homestead exemption cap is not effective.

Appraisal notices also break up total assessment between land and improvement value. The District will increase value of land one year and then come back the next year and raise the improvement value. The district does not provide evidence of land value in most cases. The taxpayer is told as well as the ARB that the land value cannot be challenged separately when there is an improvement on the property. This is ridiculous and has to change. There is no ability to protest this unfair assessment. In 2016, I know a subdivision in Southlake called East Chapel Downs where all of the land values have gone from \$40,000 to \$80,000 with no explanation.

The District surely increases values of residential properties when evidence dictates, but will not necessarily lower values unless a taxpayer protests.

The District has clear advantages on sales information. The Taxpayer has to contact a Realtor or subscribe to MLS or contact an agent as mentioned earlier.

The District can and does raise assessed values year after year even after an ARB determination ruling is made. This is not right and forces a taxpayer to file a protest every year.

Some issues I have had to deal with as a Chairman of an Appraisal Review Board are numerous and frustrating. I have listed some of them for your consideration:

1. Substantial evidence should be the standard for the Appraisal District. "Substantial" evidence is defined as considerable in quantity. However, the District has taken the position that evidence can be

as little as a "scintilla" in order for the District to prevail. "Scintilla" is defined as a minute amount or the weight of a feather.

- 2. The mass appraisal system does not work. Some homeowners improve their properties with various amenities while others do not. Some homeowners maintain their properties better than others. Mass appraisals cannot possibly make values equal and uniform. There is no such thing and that is why properties sell for different amounts.
- 3. Comparing and adjusting a 1,500 square foot home to a 5,000 sq ft home just does not work.
- 4. Comparing a golf course view lot to an interior lot in a golfing community just does not work.
- 5. Comparing a lake front property to a property that does not even have a lake view just does not work.
- 6. Taking the sale of vacant land, especially around a lake and then assessing other properties with improvements on them at the same land value just does not work.
- 7. Comparing sales of a property constructed in 2015 to a property constructed in 1950 just does not work.
- 8. Scheduling of protests for taxpayers and the ARB is a problem and needs to be addressed.
- 9. The ARB is provided less and less information needed to make a decision.
 - A. Square footage of property
 - B. Footprint of property, etc.

ARB Issues

The ARB is now the real first line of appeals for a taxpayer to protest. In prior years, a taxpayer could go to the TAD office, meet with an appraiser, provide evidence and negotiate a value. It is my understanding that procedure no longer exists. A taxpayer can meet with a District Appraiser who will accept evidence and then present it to a group of appraisers for review. This new policy puts an unfair burden on the taxpayer and the ARB.

It is also my understanding that during an ARB hearing the taxpayer will have only 4 minutes to present their case. While this is a new policy for 2016, it is an impossible situation for taxpayers and is quite intimidating.

The Appraisal District and the Appraisal Review Board are intended to operate as independent organizations. I can tell you that they are not totally separate. Examples of this are in the preparation of ARB budgets, staffing of the ARB by and with TAD employees, locations of offices in the same buildings and the County Tax Appraisal District Board of Directors overseeing both organizations.

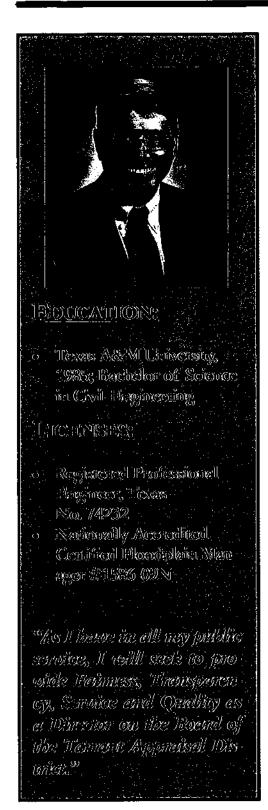
Also related to the administration of the ARB and its members are the following issues:

- 1. Appointments are made by a local judge. It is my understanding that the judge holds no interviews and does little screening.
- 2. The Chairperson of the ARB who oversees the day to day performance of potential members is not allowed any input in the selection process.
- 3. There are no guidelines for the removal of an ARB member, the Chairperson of the ARB, ARB comembers or for that matter members of the public are not allowed to have any contact or input regarding removal of a board member. In essence, there is no accountability for ARB members who can serve up to 3 2-year terms.
- 4. Currently Appraisal Review Board members do not have any input regarding the Chairperson position of the ARB. The Appraisal District Board of Directors makes this appointment. It is my opinion that the Chairperson should be selected each year from ARB membership.

I believe the tax code states that appraisal notifications are to be mailed to taxpayers by April 1st of each year. For the most part, this requirement is ignored. This puts an unfair burden on the taxpayer and the ARB when trying to review and resolve values in such a condensed time frame.

In conclusion, the abuses of Appraisal Districts are numerous and the opinions rendered on values are arbitrary and usually not based on fact. Mass appraisals are ridiculous, unfair and seldom accurate. The burden on residential homeowners is onerous. I read the other day that Texas is the 5th highest property tax state in the country. Change needs to occur immediately before a Proposition 13 (such as what happened in California) is proposed. That would be a disaster. But how much longer can the average homeowner taxpayer keep paying crippling taxes while their salaries and income are not going up at the same pace or even going down? How many people will be forced out of their homes because they can't afford to pay their taxes? Or, those who are squeezed out of their rentals because their rents go up due to a steep rise in taxes? I have never witnessed as closely such an out-of-control system without any brakes. Thank you for listening.

420 Johnson Road; Suite 303 Keller, Texas 76248 Office: 817-337-8899 ~ Cell: 817-946-6088 richdeotte@deotte.com



Personal

- Native Texan having lived in Tarrant County for 27 years and in Southlake for the last 14 years.
- Married for 34 years to Yvette.
- Three Children
- 1985 graduate of Texas A&M

Professional

- A Civil Engineer and land development consultant for 34 years.
- Majority owner in DeOtte, Inc. from 2000 to present, a civil engineering and development consulting firm in Keller, Texas serving governmental and private clients on a range of diverse projects but especially providing cost effective and innovative solutions to large scale drainage and erosion control projects, municipal infrastructure and exceptional residential developments in northeast Tarrant county.
- Expert consultant and expert witness on engineering related court cases over the last 20 years.
- Developed familiarity with TAD's operations and services and how those affect land development and infrastructure re-development.

Volunteer

- Served two years as the chairman of the Tarrant County Sheriff's Department Civil Service Commission. Initiated and led a much needed major re-write of the civil service rules which passed and were implemented.
- A regular public speaker on various issues including training on engineering ethics focusing on the aspect of personal happiness and how to achieve responsible professional standards.
- Served as an adult leader in Boy Scouts as Den Leader, Assistant Scout Master and as Scout Master.
- Taught physics for a year on a voluntary basis.
- Ham radio operator, Technician License, KG5FYB.
- Active in church throughout adult life chairing building committees, teaching Sunday school, preaching, leading worship, serving as a deacon, and chairing a deacon board.

I have a professional record solving technically complicated problems with large groups of people with diverse interests and engaging and assisting parties to work together to resolve issues. Throughout my personal, professional and volunteer life, my proficiency in bringing people together to find common ground to collaborate to find the right solution has been crucial.

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.7

FROM: Stacey Almond, City Manager

ITEM: Discuss and receive an update on fuel inventory variances.

SUMMARY:

April 12 -

See attached fuel narrative provided to City Council at our workshop.

June 11 -

At the budget workshop on April 12th, staff reported to City Council that monthly unleaded fuel inventories appeared to be consistently short. Staff suspected that the shortages were caused by the pumps measuring dispensed fuel incorrectly, thus under reporting consumption.

The City contacted Petro Services who tested the fuel pumps and confirmed staff's suspicion that they were not metering all of the fuel that was being pumped. They calibrated the pumps on April 22nd. The fuel inventories as of April 30th were still short, but that was to be expected based on the information provided by Petro.

Staff expected the inventories, as of May 31st, to show reasonable variances and planned to provide Council with inventory findings and receive direction from Council on how to proceed with meeting the fuel needs of the City. However, on May 29th, LWISD sent staff an email advising that their systems had been infected with ransomware resulting in the loss of many of their servers, including the one containing their fuel system.

They also advised that the servers would most likely be down at least through June 7th. City staff has inquired about whether or not LWISD thinks we will be able to retrieve our data, but as of the writing of this memo, has received no response. Staff will update Council on this matter again at the July 9th Council meeting, if new information is available.

<u>July 9</u>-

LWISD has recovered from the ransomware that infected their server containing their fuel system and were able to retrieve all data related to the City's fuel consumption. The unleaded fuel inventory as of May 31, 2019 showed an overage of 3.2 gallons.

This confirms staff's suspicions that the inventory shortages were not actual shortages, but resulted from under-reporting of fuel being pumped. Checking fuel inventory is part of normal month end processing in the finance department, and staff will advise Council if unusual inventory variances occur again in the future.

Current -

May - July the city saw small to no variances in fuel (see attached Fuel Variance Worksheet). However, in August and September the city saw large variance similar to what was experienced prior to the calibration. Due to the continued larger variances staff feels it's necessary to provide another update.

Fuel inventories for October show an <u>overage</u> of 377.7 gallons of unleaded and 42.3 gallons of diesel.

Staff recommends exploring options to sell the tanks located at the fuel barn and research options for purchasing fuel at local gas stations through a discounted fuel card. All information would be brought to council for approval, after completion of research.

FISCAL IMPACT:

N/A

ATTACHMENTS:

Fuel Narrative - April 2019 Fuel Variance - September 2019

RECOMMENDED MOTION OR ACTION:

This item is for discussion purposes only.

DATE	EVENT DESCRIPTION
Pre 2014	The City was informed by LWISD transportation department that fuel inventory
	variances less than 5% of deliveries was acceptable as an industry standard.
Mid 2016	The City noticed inventory variances starting to exceed historical amounts.
	The City met with LWISD to discuss fuel. LWISD advised the fuel system needed
	to be replaced as it was obsolete and making repairs was increasingly difficult.
05/24/16	It was agreed by all that the City's inventory variances were likely indicated
	due to inaccurate reporting of the old system. The school agreed to look at fuel
	station equipment replacement options.
Oct 2016 to	Having not heard anything on the new fuel system, the City reached out to LWISD
Feb 2017	on several occassions to inquire about its status.
Apr 2017	New fuel system installed. During the transition, much of our inventory data
	from the fuel system was not available.
10/12/17	City staff reviewed video at LWISD showing fuel deliveries with nothing out of the
	ordinary being observed.
01/25/18	Met with LWISD regarding ongoing inventory variances.
09/24/18	LWISD inquired about how to track fuel inventories. They were advised about
	the City's inventory procedures.
10/08/18	Met with LWISD regarding ongoing inventory variances.
	Met with Martin Eagle (fuel provider) regarding ongoing inventory variances.
10/25/18	We were advised that the website from which we get our inventories was not
	accurate and they would either resolve the issue on the website or provide
	charts from which we could calculate the gallons in our inventory based on
	stick measurements of the tanks.
	Met with LWISD and Martin Eagle. They provided charts for inventory
	calculations. LWISD also told us the pumps had recently been calibrated (they
01/30/19	had been telling us for about a year that they COULD NOT be calibrated). City
	staff realized immediately that inventories calculated with the charts provided
	would be within 5-10 gallons of those shown on the website, but expected the
	pump calibrations to correct the inventory issues.
Feb 2019	Unexplained unleaded fuel shortages continue.

HISTORICAL UNLEADED FUEL INVENTORY DATA

		GALLONS	VARIAN	CE % OF	
FYE	DELIVERED	CONSUMED	INV SHRTG	DELIVERED	CONSUMED
09/2014	29,075	30,500	1,151	3.96%	3.77%
09/2015	32,731	30,825	1,097	3.35%	3.56%
09/2016	35,946	33,299	2,184	6.08%	6.56%
09/2017	28,929	27,426	1,069	3.70%	3.90%
09/2018	31,084	27,736	3,354	10.79%	12.09%

CITY OF LAKE WORTH FUEL INVENTORY TRACKING SUMMARY OCTOBER 2018 THROUGH SEPTEMBER 2019

UNLEADED

	Inventory Deliveries					Usage			
Month	Actual	Should Be	Mo Var	YTD Var	Total	5% Var	Mo Var %	Gallons	Var %
10/2018	1,616.0	1,804.2	(188.2)	(188.2)	3,033.0	151.7	-6.205%	2,390.2	-7.874%
11/2018	1,036.0	1,369.2	(145.0)	(333.2)	1,842.0	92.1	-7.872%	2,217.9	-6.538%
12/2018	1,394.7	1,885.9	(158.0)	(491.2)	2,703.0	135.2	-5.845%	2,107.9	-7.496%
01/2019	1,049.0	1,713.5	(173.3)	(664.5)	2,202.0	110.1	-7.870%	2,370.9	-7.309%
02/2019	1,567.0	2,397.8	(166.3)	(830.8)	2,801.0	140.1	-5.937%	2,070.9	-8.030%
03/2019	930.0	1,945.8	(185.0)	(1,015.8)	2,024.0	101.2	-9.140%	2,433.9	-7.601%
04/2019	1,453.3	2,595.8	(126.7)	(1,142.5)	3,334.0	166.7	-3.800%	2,684.0	-4.721%
05/2019	1,433.0	1,429.8	3.2	3.2	2,922.0	146.1	0.110%	2,945.5	0.109%
06/2019	910.0	910.0	(3.2)	0.0	2,480.0	124.0	-0.129%	3,021.4	-0.106%
07/2019	1,156.0	1,170.4	(14.4)	(14.4)	3,557.0	177.9	-0.405%	3,274.0	-0.440%
08/2019	1,143.0	1,281.0	(123.6)	(138.0)	3,696.0	184.8	-3.344%	3,595.2	-3.438%
09/2019	1,319.0	1,588.0	(131.0)	(269.0)	3,546.0	177.3	-3.694%	3,239.0	-4.044%

For October 2018	YTD Total Deliveries	17,939.0	YTD Total Usage	16,275.7
through April 2019	YTD Variance %	-6.369%	YTD Variance %	-7.020%
For May 2019	YTD Total Deliveries	16,201.0	YTD Total Usage	16,075.1
through September 2019	YTD Variance %	-1.660%	YTD Variance %	-1.673%

DIESEL

	Inventory			Deliveries			Usage		
Month	Actual	Should Be	Mo Var	YTD Var	Total	5% Var	Mo Var %	Gallons	Var %
05/2019	431.8	410.1	21.7	21.7	497.0	24.9	4.366%	811.3	2.675%
06/2019	630.6	720.5	(111.6)	(89.9)	1,158.0	57.9	-9.637%	1,005.0	-11.104%
07/2019	694.0	789.6	(5.7)	(95.6)	1,006.0	50.3	-0.567%	936.0	-0.609%
08/2019	803.0	898.6	0.0	(95.6)	788.0	39.4	0.000%	691.8	0.000%
09/2019	951.4	1,072.1	(25.1)	(120.7)	845.0	42.3	-2.970%	671.5	-3.738%

For May 2019	YTD Total Deliveries	4,294.0	YTD Total Usage	4,115.6
through September 2019	YTD Variance %	-2.811%	YTD Variance %	-2.933%

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. F.8

FROM: Suzanne Meason, Planning and Zoning Administrator

ITEM: Discuss and consider Resolution No. 2019-25, appointing members to the

Planning & Zoning Commission.

SUMMARY:

Within the regulations of the new Zoning Ordinance, the Planning and Zoning Commission is made up of five (5) regular members and two (2) alternate members. To facilitate this change appointments to the Planning and Zoning Commission we need to be re-administered.

Below are the requirements, per the Zoning Ordinance:

D. Organization

Commission members shall be appointed in accordance with the following:

- 1. All Commissioners will be appointed by a majority vote of the City Council.
- a. It is the intent of the City Council that members shall, by reason of diversity of their individual occupation, constitute a Commission which is broadly representative of the community.
- b. Members may be removed by a majority vote of the members of the City Council.
- c. Commission members may be appointed to succeed themselves.
- 2. A member of the Commission shall not serve simultaneously as a member of the Board of Adjustment.
- 3. The members shall serve for a period of two (2) years or until their successors are duly appointed and qualified.
- 4. The regular members of the Commission shall be identified by place numbers 1 through 5.
- a. Places 1, 3 and 5 shall be appointed to serve for two-year terms beginning on January 1 of odd numbered years.
- b. Places 2 and 4 shall be appointed to serve for two-year terms beginning on January 1 of even numbered years.
- 5. Vacancies shall be filled for the unexpired terms, as follows:
- a. Newly appointed members shall serve at the first regular Commission meeting after their appointment.
- b. Any member of the Commission who misses three (3) consecutive meetings without Commission

Chair approval shall be deemed to have vacated his Commission membership

- i. The City Council, upon receiving certification of three (3) consecutive absences from the Commission Chair, shall fill the vacancy for the expires
- ii. Six (6) disapproved absences in any 12-month period shall be deemed as grounds for removal from said Commission by the City Council.
- iii. The Commission shall enter into its minutes a statement either approving or disapproving a given members' absence.
- 6. The Commission elect a chairperson and vice-chairperson from among its members.
- 7. The Commission shall meet regularly and shall designate the time and place of its meetings.
- 8. The members of the Commission shall serve without compensation, except for reimbursement of authorized expenses attendant to the performance of their duties.
- 9. The Commission shall keep a record of its proceedings consistent with the provisions of this article and the requirements of law.

Planning & Zoning	Term
Commission	Expires
Don Riley	10/2021
Sherrie Kubala	10/2020
Watkins*	
Jeanie Turley	10/2021
Patty Biggers	10/2020
Troy Jones	10/2021
Diane Smith	10/2020
Coy Pennington**	10/2021

^{*}Current Chair

FISCAL IMPACT:

N/A

ATTACHMENTS:

Resolution No. 2019-25

RECOMMENDED MOTION OR ACTION:

Move to approve Resolution No. 2019-25, appointing members to the Planning and Zoning Commission.

^{**}Current Vice-Chair

RESOLUTION NO. 2019-25

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAKE WORTH; APPOINTING MEMBERS TO THE PLANNING AND ZONING COMMISSION WITHIN THE REGULATIONS OF THE NEW ZONING ORDINANCE; ESTABLISHING TERMS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, City Council appoints members of the public to serve on various boards, commissions, and committees; and

WHEREAS, appointed members serve a two-year term, unless appointed to fulfill an unexpired term; and

WHEREAS, new annual appointment terms begin on January 1st and consist of Places 1, 3, 5 and alternate Place 7 being appointed in odd-numbered years and Places 2, 4 and alternate Place 6 appointments in even-numbered years; and

WHEREAS, each member serves until their successor has been duly appointed and qualified; and

WHEREAS, the applications for appointment have been submitted for consideration by the City Council.

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LAKE WORTH, TEXAS:

SECTION 1. The following members have been submitted for nomination and approved by a majority of the City Council.

Position	Commission Member	Term Expiring
Place 1		December 31, 2021
Place 2		December 31, 2022
Place 3		December 31, 2021
Place 4		December 31, 2022
Place 5		December 31, 2021
Place 6, Alternate		December 31, 2022
Place 7, Alternate		December 31, 2021

PASSED AND APPROVED this the 12th day of November, 2019

	By:
	Walter Bowen, Mayor
ΔΤΤΕςΤ.	

CITY OF LAKE WORTH

Monica Solko, City Secretary	

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. G.1

FROM: Stacey Almond, City Manager and Geoffrey White, Council member Place 2

ITEM: Discuss and receive feedback on the TxDOT - SH 199 Project.

SUMMARY:

This item will be a standing item on the agenda to allow Council member liaison White and city staff the opportunity to update Council of the ongoing projects and details associated with the SH 199 project.

Council member White and city staff attended the following meetings to discuss the upcoming TxDOT projects in, and around, Lake Worth:

- 1. October 17th SH 199 Utility Coordination Re-Kickoff Meeting
 - The meeting was set to discuss identified conflicts and plan of action for utilities. Lake
 Worth was informed of wastewater conflicts, however, that was a miscommunication. We
 were assured that no relocation of any water or wastewater would be necessary for the
 project extending from FM 1886 to Azle Ave.
- 2. October 25th Value Engineering Presentation results at NCTCOG
 - The results of the value engineering presentation were provided to the group (see attached).
 This information was very valuable and will need to be discussed further as we navigate future design stages.
- 3. November 1st Meeting with Commissioner Johnson's Office
 - Meeting to discuss SH 199 project and show them the aerial renderings we had created by Kimley-Horn. This discussion was very positive and resulted in an additional meeting the following week with additional staff from Tarrant County.
- 3. November 8th 2nd Meeting with Commissioner Johnson's Office
 - Meet with additional staff from Tarrant County Judge's office along with Transportation Engineer.

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N/A

ATTACHMENTS:

Value Engineering Presentation 10.2019

RECOMMENDED MOTION OR ACTION:

This item is for discussion purposes only.

Value Engineering Presentation

SH 199 at I-820 Interchange

From Azle Avenue to Azle Way
In Tarrant County

CSJ: 0171-05-068

October 25, 2019

1

AGENDA

- Welcome and Introduction
- Description of VE Recommendations
- Closing Comments

2

PURPOSE OF PRESENTATION



No decisions expected

3

VE JOB PLAN



- Design team briefing
- Project documents

Function Phase

- Function analysis
- Creative Phase
 - Brainstorming by Function
 - 80 ideas generated

Evaluation Phase

- Prioritized criteria
- Evaluated each idea against criteria
- Ranked each idea

Development Phase

- 11 Recommendations
- 47 Design Suggestions

Presentation Phase

- Present Results
- VE Reports

VE Team Member

- Clarence Rumancik, PE, FHWA, Area Engineer
 - Arilyn Joy Carter, PE, TxDOT FTW Dist., Transportation Engineer
 - Temi Abayomi, PE, TxDOT FTW Dist., Transportation Engineer
 - Ariel Castillo-Rodriguez, TxDOT FTW Dist. Central Design, Engineering Assistant
 - Miguel Cortez, PE TxDOT FTW Dist. Bridge Design
 - Abdelnasir Gabir, TxDOT FTW Dist. Bridge, Engineering Assistant
 - Veronica Martinez, TxDOT FTW Dist. Central Design, Design Tech
 - John Poskey, PE, TxDOT FTW Construction, Transportation Engineer
- Taya Retterer, PE, TxDOT BRG, Bridge Engineer
- Jun Zhu, PE, TxDOT DES, Transportation Engineer
- Steve Perez, PE, PTOE, RJ RIVERA Associates, Inc. Traffic Engineer
- Erik Walsh, PE, Cobb Fendley, Design Engineer
- Frank Yuan, PE, Wood, Transportation Engineer
- Rudy Rivera, PE, VMA, RJ RIVERA, Inc. Assistant Team Leader
- Martin Hsu, PE, CVS-Life, MHA, Inc., VE Team Leader

5

Purpose and Need

- Improve Mobility; Reduce Congestion on SH 199
- Improve SH 199 at I-820 Interchange Operations
- Improve safety for cars, pedestrians, and bicycles

Project Scope (Baseline)

- Direct connectors between SH 199 and I-820
- Removal of cloverleaf ramps
- Diverging Diamond Interchange (DDI) for SH 199 under I-820
- Ramp relocations
- Addition of shared use paths along SH 199 and I-820
- Addition of U-Turn Bridges at Quebec St and FM 1220 (Azle Ave.)
- Schematic Design Phase
- Let date: FY 2024
- Current total estimated construction cost: \$138 Million

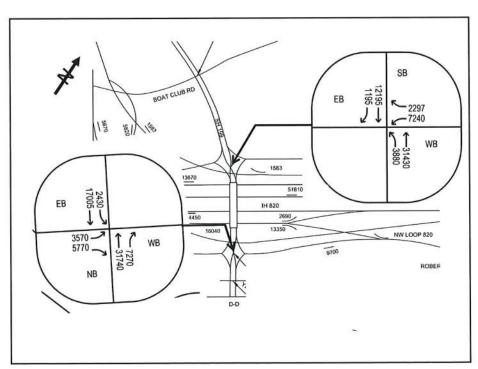
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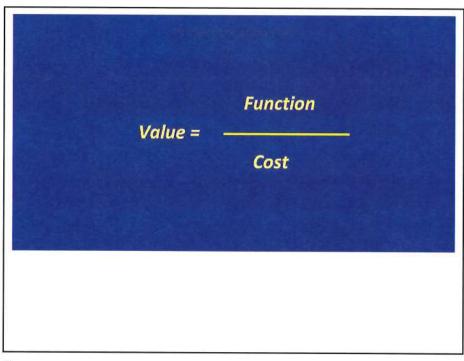


Project Issues

- Does Diverging Diamond Interchange address traffic issues?
 - Majority of the traffic on SH 199 are THROUGH TRAFFIC, and left turn conflicts are minimal
 - Westbound 2040 through-traffic approaching the DDI is 31,740 ADT, with exiting estimated at 31,430 ADT that continues on SH 199.
- ☐ Highest cost item, 78% of the total cost is for bridges (Direct Connectors)

9





1.0 Build SH 199 Expressway from Azle Avenue to Roberts Cut Off with baseline DCs

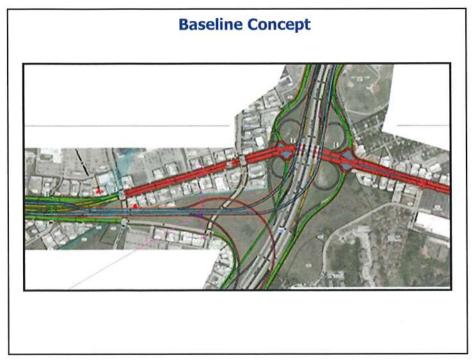
Advantages:

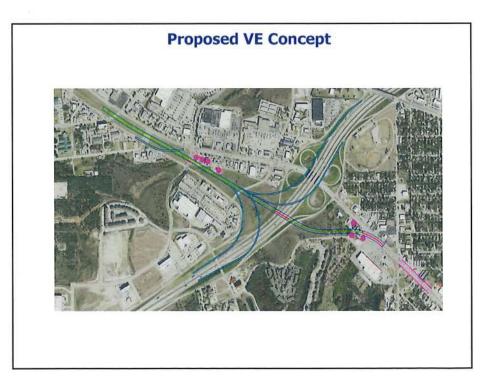
- Improves mobility for through traffic
- Reduces congestion on existing SH 199
- Improves access to businesses on existing SH 199
- Improves air quality
- Offers direct route for freight traffic to avoid mixing with local traffic

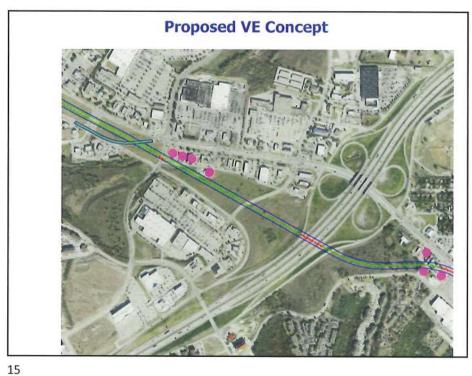
Disadvantages:

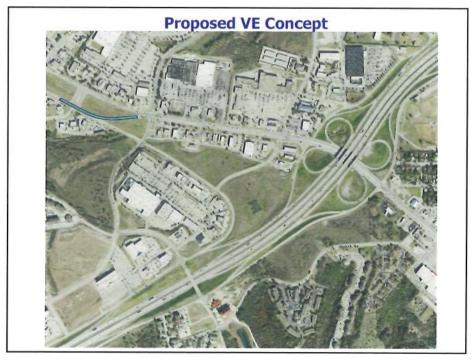
- Additional cost
- Requires additional ROW
- May have more utility impacts

Potential cost savings: \$15,813,000





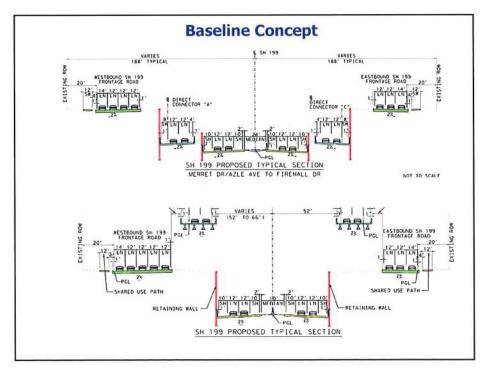


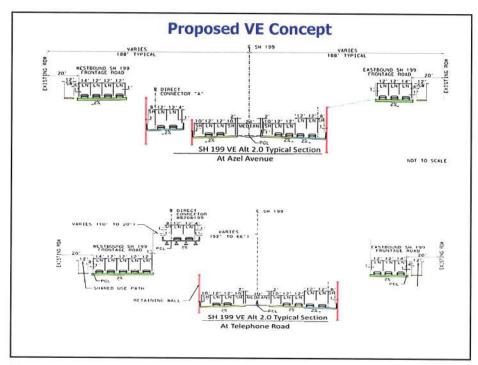


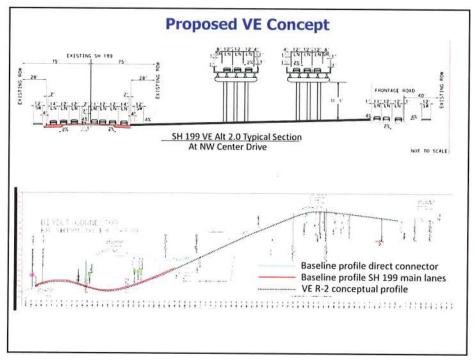
2.1 Construct SH 199 EB DC from Azle Avenue to Paul Meador Rd/NW Centre Drive at the same grade of SH 199 ML

- Advantages:
 - Improves DC vertical profiles
 - Improves constructability and schedule
 - Potentially reduces visual impact
- Disadvantages:
 - Drainage issues (FEMA-ZONE A)
 - May need to adjust profile of cross streets
- Potential cost savings: \$8,697,000

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2.2 Continue 3-lane SH 199 EB past Charbonneau Bridges and Introduce 2-lane SH 199 EB DC starting from Charbonneau Bridges

Advantages:

- Reduces structural costs on DC
- Allows for an on-ramp to EB SH 199
- Simplifies design and construction
- Reduces cost
- Eliminates on ramp to DC

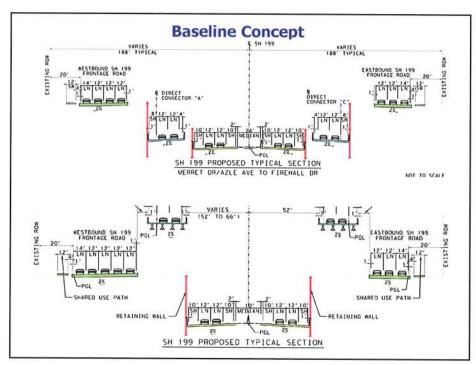
Disadvantages:

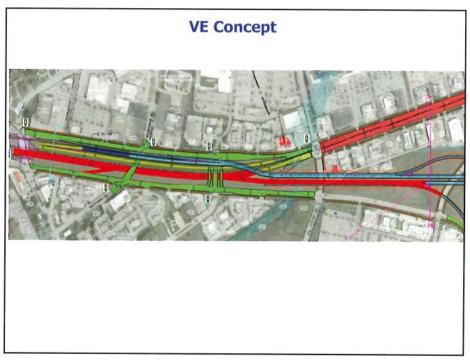
- Potential vertical profile issue
- Potential cost savings: \$10,208,000

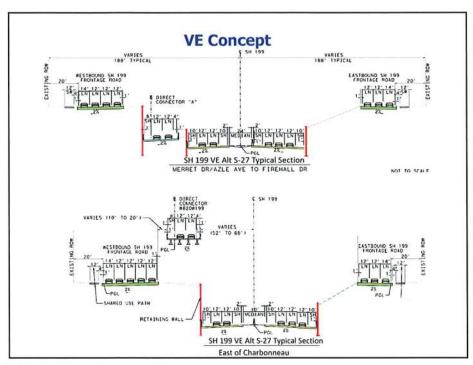
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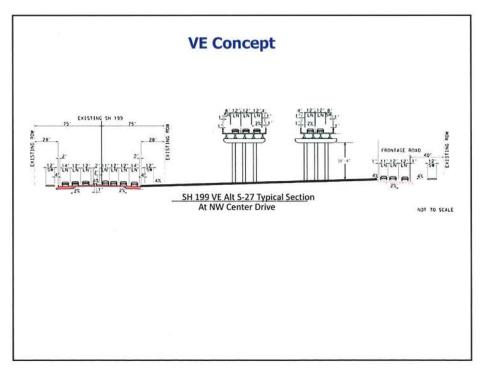
Baseline Concept











3.0 Eliminate all 4 Entrance and Exit ramps off DCs

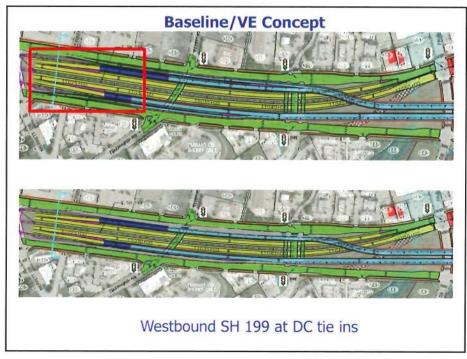
Advantages:

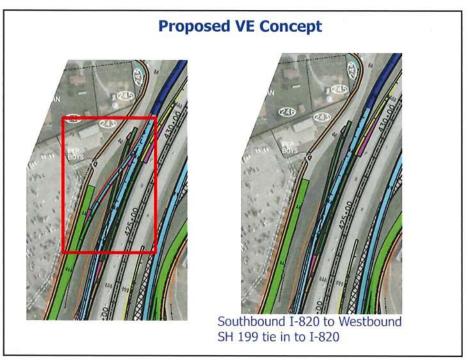
- Eliminates exit from DC (now comply FHWA policy)
- Better geometry
- Eliminates gore on the bridge (near Home Depot)
- Fewer conflict points
- Separates local and commuter traffic
- Reduces bridge and embankment costs

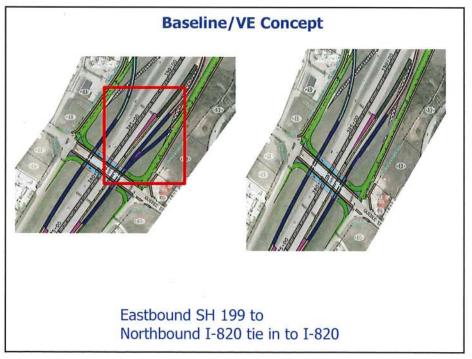
Disadvantages:

- Exit traffic must now exit 1.5 miles earlier (near Home Depot)
- Potential cost savings: \$6,533,000

27







4.0 Construct EB 199 to SB 820 and SB 820 to WB 199 DCs at grade; Construct NB 820 to WB 199 and EB 199 to NB 820 under I-820

Advantages:

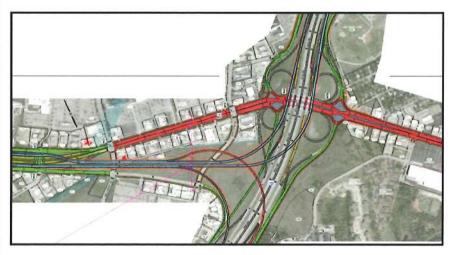
- Reduces bridge structures
- Reduces visual impact
- Easier to construct
- Easier to maintain
- Improves profile grades
- Improves traffic OPS
- Allows design to meet criteria

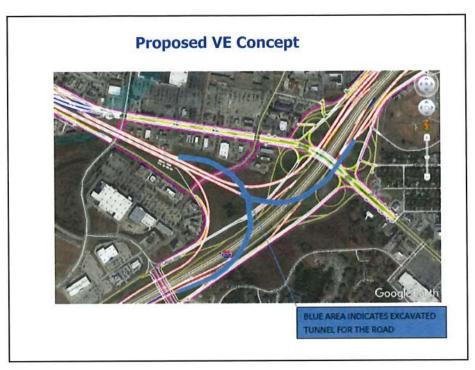
Disadvantages:

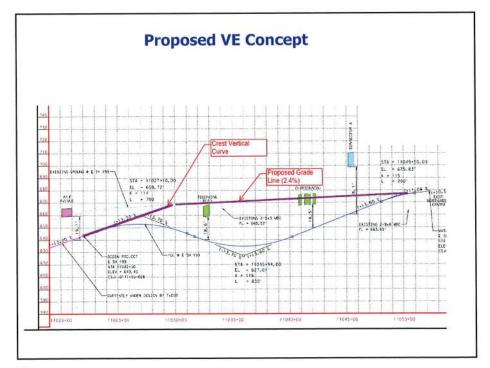
- Increases earthwork
- Adds bridges on I-820
- 🛽 Impacts traffic to I-820 during construction
- Potential cost savings: \$36,773,000

31

Baseline Concept







5.1 Replace Diverging Diamond Interchange (DDI) with Double Rain-Drop Roundabout

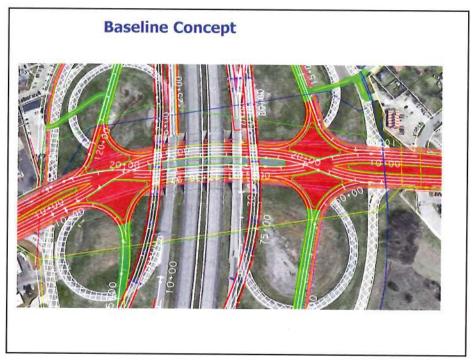
Advantages:

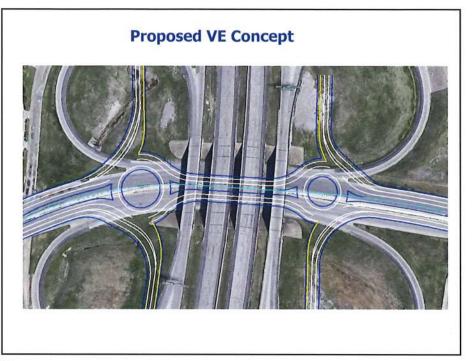
- Continuous flow; reduces delay
- Reduces conflict points
- Eliminates signals
- Reduces severity of crashes
- Reduces spill back to I-820
- Opportunity for aesthetics
- Easier to maintain
- Provides more pedestrian refuge

Disadvantages:

- Public learning curve
- Increases pavement footprint
- Total Potential cost saving: \$498,000

35







5.2 Relocate SH 199 interchange to South and construct a "Turbine" interchange in lieu of DCs

Advantages:

- Eliminates all DCs
- Provides fully directional interchange with continuous flow
- Consistent with FHWA guidance and has already been built on US interstate highways
- Improves traffic mobility
- Eliminates traffic signals
- Minimizes conflict points
- Reduces visual impact

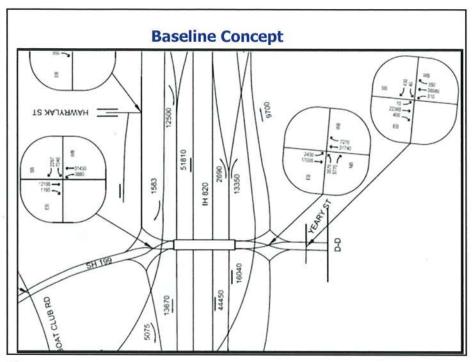
Disadvantages:

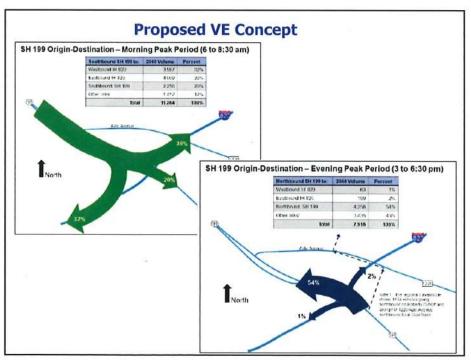
- May require additional ROW
- Total Potential cost saving: \$71,605,000

39

Baseline Concept











Proposed VE Concept

Below: Example Compact Turbine in Denver, CO (approx. 1400-FT wide footprint with approx. 500-ft curvature)



Proposed VE Concept

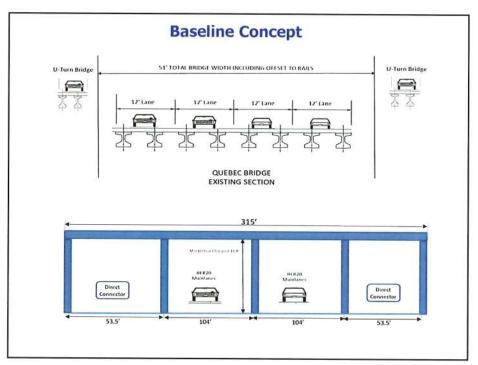
Below: Partial Turbine in Charlotte, NC (approx. 2000-FT wide footprint)

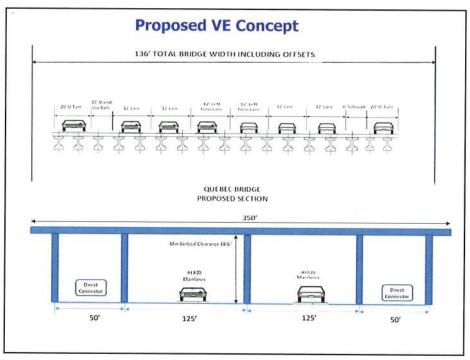


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6.0 Remove and replace Quebec bridge in lieu of U-turn bridges

- Advantages:
 - Achieve vertical clearance for freight corridor
 - Allows Columns to be designed for impact load
 - Enables the bridge to address traffic volume
 - One bridge vs. 3
 - Can accommodate future I-820 expansion
- Disadvantages:
 - Increases bridge cost
- Additional Cost: (\$1,750,000)



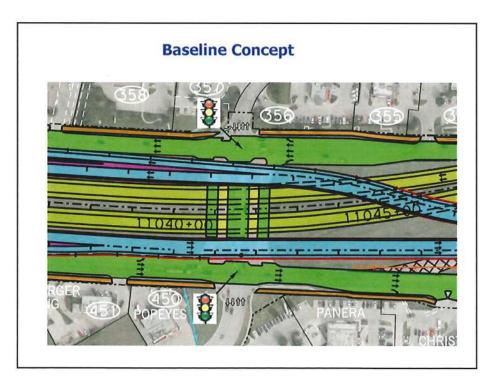


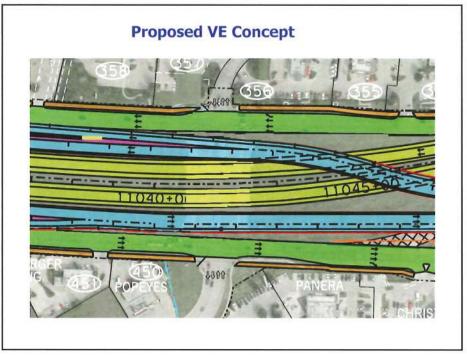
7.1 Eliminate bridges at Charbonneau Road



- Allows improved profile grades on DCs and SH 199
- Eliminates signals
- Reduces conflict points
- Reduces maintenance
- Disadvantages:
 - None apparent
- Total Potential cost saving: \$1,702,000

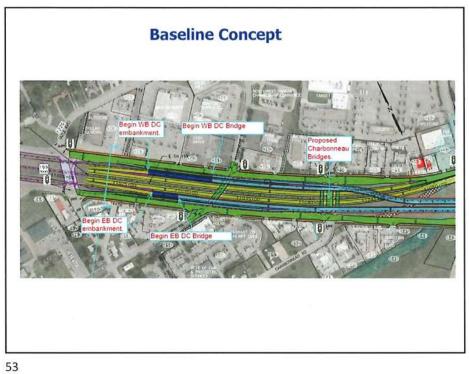
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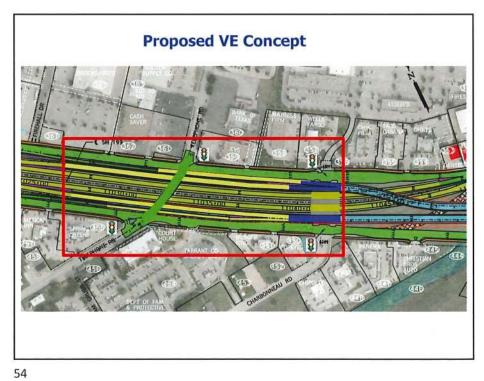




7.2 Eliminate bridges at Charbonneau Road, and depress DC under Telephone Road

- Advantages:
 - Improves profile grades on DCs and SH 199
 - Eliminates signals
 - Reduces conflict points
 - Reduces maintenance
- Disadvantages:
 - None apparent
- Total Potential cost saving: \$12,292,000

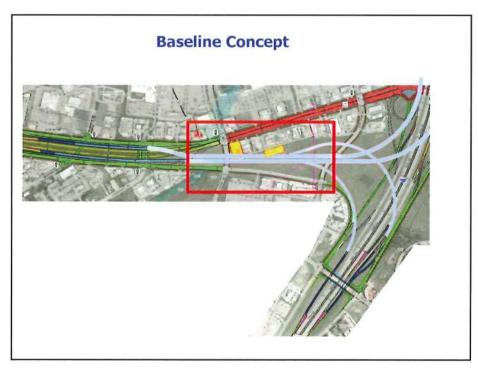


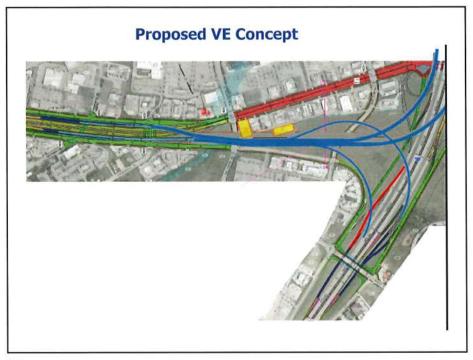


8.0 Realign geometry of DC from NB 820 to WB 199, to avoid ROW impact

- Advantages:
 - Avoids ROW impact
 - Addresses stakeholders' concerns
 - Expedite project delivery
- Disadvantages:
 - None apparent
- Minimal Construction Cost Impact
- Savings on ROW (no data available)

55





What's next?

- Preliminary VE Report within 7 days
- Final VE Report, to be published within 2 weeks after review
- Distribute Final VE report



Special Thanks

- NCTCOG
- TxDOT
- Stakeholders
- VE Team Members

		SUMMARY OF VE RECOMMENDATIONS SH 199 at I-820 Interchange in Tarrant County	TxDOT	
Alt Idea Number		Description	Potential Initial Savings (additional cost)	
ROAD	WAY (S	upport Loads, Carry Traffic)		
1.0	R-1	Build SH 199 Expressway from Azle Avenue to Roberts Cut Off with baseline Direct Connectors (DCs)	(\$15,813,000)	
2.1	R-2	Construct SH 199 EB DC from Azle Avenue to Paul Meador Rd/NW Center Drive at the same grade of SH 199 mainlanes (ML)	\$8,697,000	
2.2	S-27	Continue 3-lane SH 199 EB past Charbonneau Bridges and Introduce 2- lane SH 199 EB DC starting from Charbonneau Bridges	\$10,208,000	
3.0	R-13	Eliminate all 4 Entrance and Exit ramps off DCs	\$6,533,000	
4.0	R-23 + R-24	Construct EB 199 to SB 820 and SB 820 to WB 199 DCs at grade in lieu of elevated; Construct NB 820 to WB 199 and EB 199 to NB 820 under I-820	\$36,773,000	
5.1	R-8	Replace Diverging Diamond Interchange (DDI) with Double Rain-Drop Roundabout	\$498,000	
5.2	R-27	Relocate SH 199 interchange to South and construct a "Turbine" interchange in lieu of DCs	\$71,605,000	
STRUC	TURES,	BRIDGE (Eliminate Conflicts, Separate Traffic)		
6.0	S-1	Remove and replace Quebec bridge in lieu of U-turn bridges	(\$1,750,000)	
7.1	S-4	Eliminate bridges at Charbonneau Road	\$1,702,000	
7.2	S-5	Eliminate bridges at Charbonneau Road, and depress DC under Telephone Road	\$12,292,000	
8.0	S-11a	Realign geometry of DC from NB 820 to WB 199, to avoid ROW impact	*No data for ROW savings	
			Minimal cost impact in construction	

SUMMARY OF VE DESIGN SUGGESTIONS

SH 199 at IH 820 Interchange in Tarrant County

TxDOT

ldea No.	Description				
ROADW	AY (Support Loads, Carry Traffic)				
R-4	Use alternate Interchange design for SH 199 at IH 820 in lieu of Diverging Diamond Interchange (DDI				
R-15	Use Single Point Urban Interchange (SPUI) in lieu of DDI				
R-14	Use alternate interchange options for IH 820 at Azle Avenue				
R-36	Use alternate intersection design at Boat Club Road to mitigate heavy WN to NB right turn				
R-18	Include dedicated right turn lane on SH 199 at NB Boat Club Road				
R-19	Install dedicated right and one optional right turn lane at Boat Club Road from WB SH 199				
R-41	Relocate driveways at RaceTrac Gas away from the Boat Club Intersection				
R-10	Relocate driveways (along IH 820 frontage roads) just north of SH 199 to further north				
R-11	Eliminate City street access to SH 199 at Graham , Azle Way and Yeary Street				
R-6	Consolidate driveways to minimize conflict points to Shared Use Path (SUP)				
R-30	Relocate SUP behind businesses on South side of SH 199				
R-33	Separate SUPs from traffic on different alignments than SH 199				
R-3	Reduce 14' shared use lane to 12' general purpose lane (on SH 199)				
R-35	Upgrade Roberts Cut Off				
R-7	Clarify where and when to use Embankment Type C or Type B				
R-9	Eliminate proposed SH 199 depressed roadway section between Azle and NW Center				
R-16	Relocate SB IH 820 on-ramp at Huffine to east				
R-17	Do not preclude future improvements to IH 820				
R-21	Evaluate the need for noise walls				
R-22	Construct a Deck Park over the depressed section between Telephone Road and Azle Avenue or where feasible				
R-28	Build park under elevated SH 199 ML at Telephone Road area				
R-46	Create a park within remaining TxDOT ROW				
R-31	Minimize off-site disposal of excavated materials (Engineering marginal materials for embankment)				
R-32	Accommodate bus-stops within project limits				
R-34	Use polymer cement overlay as traffic calming before pedestrian crossing				
R-38	Invest more money for permanent signage				

SUMMARY OF VE DESIGN SUGGESTIONS TXDOT SH 199 at IH 820 Interchange in Tarrant County Idea Description No. R-39 Consider detention ponds within available ROW R-44 Evaluate existing drainage structures for new construction induced structural loading R-45 Identify possible locations for pump stations R-47 Consider additional ROW for drainage R-42 Updating safety elements, e.g. MBGF R-43 Upgrade overhead bridge signs to concrete R-48 Install "actuator (crossing buttons" at intersects compatible to Pedestrians and cyclists, and ADA compliant STRUCTURES/BRIDGES (Eliminate Conflicts, Separate Traffic, Span Roadways) Depress SH 199 under IH 820 to meet 18'-6" vertical clearance S-2 S-3 Raise IH 820 bridges to meet 18'-6" vertical clearance S-9 Evaluate retaining wall alternatives Reduce 3-lane DC sections to 2 lanes S-10 S-12 Construct 4-lane stub-out of DCs to accommodate future widening S-14 Provide space under DCs for future new alternate SH 199 ML S-16 Add pier protection at Quebec St bridges and Azle Avenue along IH 820 S-21 Add concrete barrier to protect columns under existing IH 820 S-17 Add bridge rail retrofit at Quebec St and Azle Avenue along IH 820 S-20 Retrofit bridge rail on IH 820 to SSTR Single Slope Traffic Rail S-18 Allow spliced concrete U-beams as alternate to curve steel for DCs (alternate bid) S-22 Eliminate custom Bridge Enhancements (aesthetics) S-28 Use integral color for structure aesthetics S-29 Use non-structural walls under DCs and create murals

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. H.1

FROM: Mayor Walter Bowen

ITEM: Update on Tarrant County Mayor's Council by Mayor Walter Bowen

SUMMARY:

The purpose of this item is to allow the Mayor or City Council an opportunity to give an overview of the previous Tarrant County Mayor's Council meeting.

FISCAL IMPACT:

N/A

RECOMMENDED MOTION OR ACTION:

N/A

Lake Worth City Council Meeting - November 12, 2019

Agenda Item No. I.1

FROM: Stacey Almond, City Manager

ITEM: Pursuant to Section 551.074: Personnel matters to deliberate the employment,

evaluation, and duties of public employee - Chief of Police

SUMMARY:

Pursuant to Section 551.074: Personnel matters to deliberate the employment, evaluation, and duties of public employee - Chief of Police

FISCAL IMPACT:

RECOMMENDED MOTION OR ACTION: