



CITY OF ROLLINGWOOD CITY COUNCIL MEETING AGENDA

Wednesday, December 16, 2020

In accordance with an order of the Office of the Governor issued March 16, 2020, the City Council of the City of Rollingwood will conduct a video conference and telephonic meeting in order to advance the public health goal of limiting face-to-face meetings (also called “social distancing”) to slow the spread of the Coronavirus (COVID-19). The meeting will be held on Wednesday, December 16, 2020 at 6:30 PM. The public may watch this meeting live and have the opportunity to comment via audio devices at the link below. The public may also participate in this meeting by dialing one of the toll-free numbers below and entering the meeting ID and Passcode.

Link: <https://us02web.zoom.us/j/84611115582?pwd=SFBjVDdPSEtibUx6UnJzU21EZnMyUT09>

Toll-Free Numbers: (833) 548-0276 or (833) 548-0282

Meeting ID: 846 1111 5582

Passcode: 2020

The public will be permitted to offer public comments via their audio devices when logged in to the meeting or telephonically by calling in as provided by the agenda and as permitted by the presiding officer during the meeting. Written questions or comments may be submitted up two hours before the meeting. A video recording of the meeting will be made and will be posted to the City’s website and available to the public in accordance with the Texas Public Information Act upon written request.

CALL REGULAR CITY COUNCIL MEETING TO ORDER

1. Roll Call

PUBLIC COMMENTS

Citizens wishing to address the City Council for items not on the agenda will be received at this time. Please limit comments to 2 minutes. In accordance with the Open Meetings Act, the City Council is restricted from discussing or taking action on items not listed on the agenda.

Citizens who wish to address the Council with regard to matters on the agenda will be received at the time the item is considered.

PRESENTATIONS

2. Presentation, discussion, and possible action on a quote from Nelisa Heddin Consulting to perform a study of the City's LUE assignment and policy.

- 3. Presentation, discussion and possible action on a quote from Nelisa Heddin Consulting to perform a water rate study.
- 4. Presentation, discussion and possible action on a scope of services for easement location and identification from WSB Engineering.

CONSENT AGENDA

All Consent Agenda items listed are considered to be routine by the City Council and may be enacted by one (1) motion. There will be no separate discussion of Consent Agenda items unless a City Council Member has requested that the item be discussed, in which case the item will be removed from the Consent Agenda and considered in its normal sequence on the Regular Agenda.

- 5. Discussion and possible action on the minutes from the November 18, 2020 City Council meeting.
- 6. Discussion and possible action on an ordinance amending Subdivision 2. Residential Tree Canopy Management of the City's Code of Ordinances.

REGULAR AGENDA

- 7. Discussion and possible action regarding an appeal of the determination by the Building Official to not permit a curb cut for a parking pad on Edgegrove Drive for 4830 Rollingwood Drive.
- 8. Discussion and possible action on the fencing, landscaping and off-street parking plans as part of a site plan application by Western Hills Athletic Club.
- 9. Discussion and possible action on amendments to section 2-151, Ethics, of the city's Code of Ordinances.
- 10. Discussion and possible action on a review of section 2-57 Presiding Officer; Mayor Pro Tempore; Council Liaisons of the city's Code of Ordinances.
- 11. Discussion and possible action regarding a policy for waiving or reducing of fees and/or requirements in conjunction with the removal of diseased, dead, or immediately dangerous protected trees.
- 12. Discussion regarding Pegasus' role with the Strike Force.
- 13. Discussion and possible action to appoint a Planning and Zoning Commission member to serve on the Comprehensive Plan Strike Force.
- 14. Discussion and possible action to appoint David Smith as the Vice Chair of the Comprehensive Plan Strike Force.
- 15. Discussion and possible action regarding the January 20, 2021 City Council Meeting date.
- 16. Standing agenda item ----- update, discussion and possible action to pass a resolution, request a meeting with, to provide information or a statement of position of the City to, and/or to request information or analyses from relevant state and local officials in connection with the proposed South Mopac expansion.

- 17. Standing agenda item ----- update, discussion and possible action regarding the Bee Cave Improvement Project TXDOT has committed to co-sponsoring with the City of Rollingwood that will address the low water crossing flooding issues, expand to 5-lanes with shoulders and sidewalks throughout Rollingwood’s portion of Bee Cave Road.

REPORTS

All reports are posted to inform the public. No discussion or action will take place on items not on the regular or consent agenda.

- [18.](#) City Administrator's Report
- [19.](#) Municipal Court Report
- [20.](#) Chief of Police Report
- [21.](#) City Engineer- LNV, Inc., Report
- [22.](#) City Stats for November 2020
- [23.](#) Contract invoices through November 2020 - AWR Services, Inc., Water and Wastewater Services, K. Friese & Associates - IIP & MS4, LNV, Inc., City Engineer.
- [24.](#) City Financials for November 2020 - Fiscal Year 2020-2021
- [25.](#) RCDC Financials for November 2020 - FY 2020-2021
- [26.](#) Texas Central Appraisal District and Tax Assessor - Notices, Letters and Documents.
- [27.](#) Texas Gas Service - Notices, Letters and Documents
- [28.](#) AWR Services, INC., Report on Water and Wastewater for November 2020

ADJOURNMENT OF MEETING

CERTIFICATION OF POSTING

I hereby certify that the above Notice of Meeting was posted on the bulletin board at the Rollingwood Municipal Building, in Rollingwood, Texas and to the City website at www.rollingwoodtx.gov at 4:00 on Friday, December 11, 2020.



Ashley Wayman, City Secretary

NOTICE -

The City of Rollingwood is committed to compliance with the Americans with Disabilities Act. Reasonable modifications and equal access to communications will be provided upon request. Please contact the City Secretary, at (512) 327-1838 for information. Hearing-impaired or speech-disabled persons equipped with telecommunication devices for the deaf may call (512) 272-9116 or may utilize the stateside Relay Texas Program at 1-800-735-2988.

The City Council will announce that it will go into executive session, if necessary, to deliberate any matter listed on this agenda for which an exception to open meetings requirements permits such closed deliberation, including but not limited to consultation with the city's attorney(s) pursuant to Texas Local Government Code section 551.071, as announced at the time of the closed session.

Consultation with legal counsel pursuant to section 551.071 of the Texas Local Government Code;
discussion of personnel matters pursuant to section 551.074 of the Texas Local Government Code;
real estate acquisition pursuant to section 551.072 of the Texas Local Government Code;
prospective gifts pursuant to section 551.073 of the Texas Local Government Code;
security personnel and device pursuant to section 551.076 of the Texas Local Government Code;
and/or economic development pursuant to section 551.087 of the Texas Local Government Code.
Action, if any, will be taken in open session.

Professional Proposal

Professional Proposal

City of Rollingwood, Texas

**Water and Wastewater Utility
LUE Determination Proposal**

November 30, 2020



Nelisa Heddin Consulting, LLC
P.O. Box 341855
Lakeway, TX 78734
(512) 589-1028
nheddin@nelisaheddinconsulting.com

EXECUTIVE SUMMARY

Nelisa Heddin Consulting, LLC (NH Consulting) is pleased to provide the City of Rollingwood (“City”) with a proposal for a LUE determination analysis City’s Water and Wastewater Utility. NH Consulting will work with the City to develop rate recommendations which will assure adequate revenues for operations and capital improvements on a self-sustaining basis, while considering the economic impact on the Utility’s customers, taking into consideration the cost of providing the services. *NH Consulting offers the City of Rollingwood unparalleled expertise in the performance of cost of service and rate design analysis.*

NH Consulting is a financial and management consulting firm specializing in meeting the needs of municipal utilities.

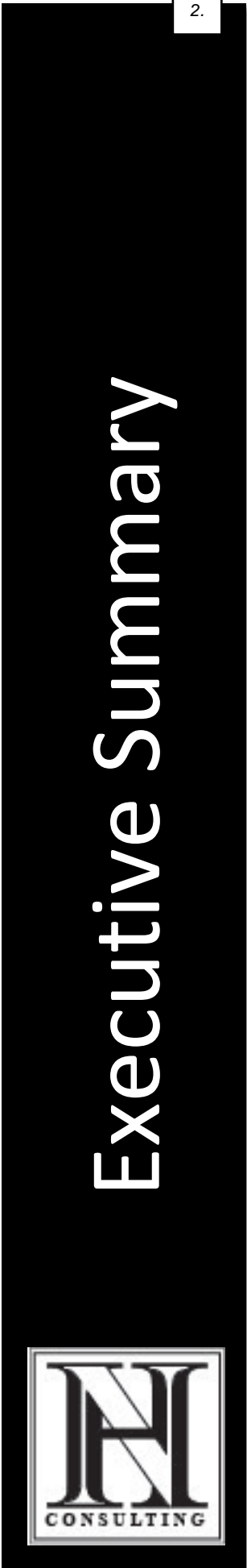
NH Consulting intends to provide the City with a comprehensive package of services to enable the City to more efficiently manage its utilities and fully evaluate the City’s utility rate structure.

The following proposal identifies the project team’s qualifications and outlines our approach to the project.

The project team believes that the successful completion of this project will be dependent on the following requirements:

- A project manager who clearly understands the City’s operating environment including long-term and short-term goals and is committed to helping the City identify strategies to achieving those goals
- A project manager who is committed to providing value-added services to the City that go beyond simply the performance of a rate study, but assisting the City in planning for the future of its Utilities
- A project manager who is experienced in the performance of and specializing in cost of service and rate design studies for numerous entities throughout the U.S and is a recognized expert in the industry having testified before the State Office of Administrative Hearings and the State Legislature
- Responsiveness and constant communication with the City

As outlined in this proposal, NH Consulting is uniquely qualified to meet each of these requirements.



WORK PLAN

Living Unit Equivalent

The City utilizes a metric called a “Living Unit Equivalent” (LUE) for the purposes of billing base fees for services to commercial customers. Each commercial customer is assigned an LUE factor which is then multiplied by the City’s base fee per LUE. The intent of an LUE is to compare or normalize residential and commercial customers on a like or equal basis. The industry has adopted an LUE as a measurement that converts commercial customers to a like measure on scale of residential (living unit) connections.

Project Approach

While the use of LUEs is common in the industry, the means in which to determine an LUE varies across utilities. Some ways of determining an LUE include meter size, historical use, type of use, and square footage. Each method is valid and has benefits and draw backs which must be evaluated and considered in order to identify the methodology that is most appropriate for each community. The goal of the LUE determinant is to achieve equity among customers while at the same time be easy to understand by customers and to implement by City staff.

It is the understanding of the project team that the LUE factors currently used by the City were determined many years ago and have not been updated or evaluated since. Further, it is the understanding of the project team that the City does not have an internal process to determine or assign LUE factors to new commercial connections. As such, the proposed engagement would:

1. Determine an appropriate methodology to utilize in assigning LUE factors.
2. Evaluate the City’s existing connections and assign LUE factors to all commercial customers using the new methodology.
3. Develop an SOP for the City which would be utilized by City staff to assign LUE factors to new connections.

NH Consulting will develop LUE determinants based upon a variety of available factors including meter size, historical use, type of use and square footage. Each factor will be compared with the available alternatives and the City’s currently assigned factors. NH Consulting will also compare the annual revenue recovery from each alternative. NH Consulting will present the available options to the City and will provide a detailed discussion of the pros and cons of each option for consideration and selection by the Utility Commission and City Council. Once the desired option has been selected, NH Consulting will provide the City with final LUE assignments for the City’s existing connections and will also provide an SOP to be utilized by City staff in the future for assigning LUE factors to future connections.

Proposed Fees

NH Consulting proposes to perform the services described herein for a guaranteed-not-to exceed fee of \$3,640. The City would be billed monthly based upon percentage of completion, with the final payment to be due upon delivery of final report and presentation of findings. The project budget and scope of services presented herein reflect the project team’s understanding of the City’s specific needs. *The project team is willing to negotiate price based on an adjusted scope of services to meet the City’s specific needs and budgetary limitations if deemed necessary.*

Proposed Fees



NELISA HEDDIN CONSULTING, LLC PROFILE

NH Consulting is a management consulting firm specializing in the financial planning and management of municipal utilities. NH Consulting works closely with each client to develop strategic, individualized solutions. We provide a full range of services to meet our clients' complex needs including cost of service and rate design studies, impact fee analysis, and budgeting assistance.

NH Consulting works closely with each client to thoroughly understand their unique needs, goals, issues and challenges and develops strategic solutions customized to address the individualized needs of each client.

Services provided by NH Consulting include:

- Cost of Service and Rate Design Studies
- Comprehensive Fee Analysis
- Indirect Cost Allocation Studies
- Impact Fee Analysis
- Pro Forma Analysis
- Bond Issuance Support
- Annual and Long Term Operational Budgeting
- Cost Benefit Analysis
- Comparative Benchmarking Analysis
- Financial Planning and Modeling
- Financial Planning and Modeling
- Financial Planning and Budgeting for CIP Programs
- Public Education Programs
- Service Area Valuations
- Feasibility Analysis
- Regionalization Planning and Implementation
- Expert Witness Testimony
- Legislative Support
- Billing System Reviews and Implementation

Strategic – Innovative - Excellence

Nelisa Heddin, president of NH Consulting, is Past Chair of the Texas AWWA Rates and Charges Sub-Committee, and is still actively involved in this professional organization. Ms. Heddin brings the most innovative solutions in the industry to each of her clients – allowing her to develop customized strategies to meet each of her clients needs.

Firm Profile



PROJECT TEAM PROFILE

NELISA HEDDIN, PROJECT MANAGER

Ms. Heddin will serve as the project manager for this engagement, bringing over 19 years in utility rate design to this engagement. Ms. Heddin will be performing the financial analysis and will responsible for the overall quality control for this engagement.

Ms. Heddin is an industry expert in financial planning and management for municipal utilities, specializing in cost of service and rate design studies, impact fee analysis, cost benefit analysis, and annual and long-term budgeting. Ms. Heddin has over 19 years experience in providing consulting services to utilities of all sizes throughout the Southwest. She is a Past-Chair of the Texas AWWA Rates and Charges Sub-committee and has been invited to speak at numerous industry functions regarding cost of service issues, rate design, water loss and capital financing.

Expertise You Can Rely On – Quality You Can Trust

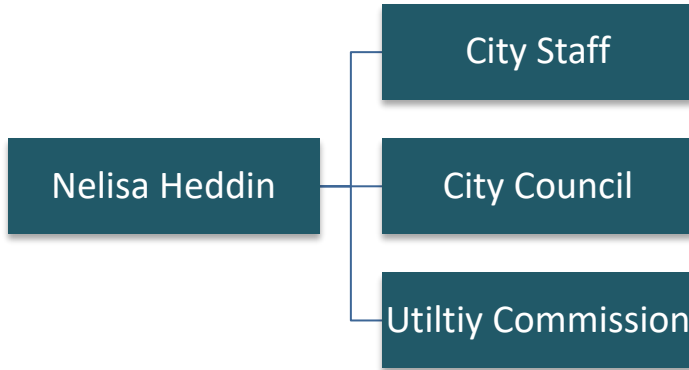
NH Consulting assigns a single project manager who services as project manager and analyst for each engagement – this ensures continuity throughout each engagement. Nelisa Heddin, the proposed project manager for this engagement, is a leading expert in cost of service and rate design studies, having worked for entities across the United States such as the Cities of Dallas, Phoenix, Tucson, Little Rock, Webster, Pflugerville, and Georgetown.

Project Team Profile



Organizational Chart

Nelisa Heddin, president of NH Consulting, will be working directly with the City on this engagement. While administrative staff may be utilized to some degree to assist in some areas such as data entry, Ms. Heddin will perform the financial analysis, write the report and will work directly with the City. It is the perspective of NH Consulting that the City must have direct access to the expert in this field rather than staff who have limited experience. As such, the organizational chart for this engagement is very simple:



Nelisa Heddin

President

Professional Background

Nelisa Heddin is an industry expert in financial planning and management for water and wastewater utilities; specializing in cost of service and rate design studies, impact fee analysis, cost benefit analysis, and annual and long-term budgeting. Ms. Heddin has over 16 years experience in providing consulting services to utilities of all sizes throughout the Southwest. Ms. Heddin has a Masters of Business Administration with a specialty in Finance. She is a Past-Chair of the Texas AWWA Rates and Charges Subcommittee and has been invited to speak at numerous industry functions regarding water and wastewater rates, rate design, water loss, and capital financing.

Education

B.S., Biology, New Mexico State University, 1996
MBA, Finance, New Mexico State University, 1999

Professional Affiliations

American Water Works Association
Past Chairman Texas AWWA Rates and Charges Subcommittee
Texas Municipal League
Texas Government Financial Officers Association

Sample of Relevant Project Experience

Cost of Service and Rate Design Projects

- | | |
|-------------------------------|--|
| Bistone Municipal WSC | City of North Lake, Texas |
| City of Alamo Heights, Texas | City of Pecos, Texas |
| City of Bastrop, Texas | City of Pflugerville, Texas |
| City of Bonham, Texas | City of Phoenix, Arizona |
| City of Burnet, Texas | City of Richmond, Texas |
| City of Cameron, Texas | City of Selma, Texas |
| City of Copperas Cove, Texas | City of Southside Place, Texas |
| City of Corinth, Texas | City of Sweet Water, Texas |
| City of Cuero, Texas | City of Webster, Texas |
| City of Del Rio, Texas | City of Wortham, Texas |
| City of Friendswood, Texas | Eldorado Area WSD |
| City of Garland, Texas | Fair Management, LC |
| City of Gladewater, Texas | Gorforth SUD |
| City of Horseshoe Bay, Texas | La Ventana Utilities |
| City of Idabel, Oklahoma | MB Wastewater Services, LLC |
| City of Krum, Texas | Quail Valley Utility District |
| City of Lago Vista, Texas | Southern Crossing Utilities |
| City of Leon Valley, Texas | Travis County WCID #17 |
| City of Little Rock, Arkansas | West Travis County Public Utility Agency |
| City of Lindale, Texas | Whiterock Water Supply Corporation |
| City of Mexia, Texas | |
| City of Midland, Texas | |
| City of Missouri City, Texas | |
| City of Moulton, Texas | |
| City of Murphy, Texas | |
| City of New Madrid, Missouri | |



Impact Fee Studies

West Travis County Public Utility Agency	City of Burnet, Texas
City of Southside Place, Texas	City of Corinth, Texas
City of Cuero, Texas	City of Missouri City, Texas
City of Bastrop, Texas	

Valuation Analysis

Central Texas UDC	U.S. Navy	Green Valley SUD
West Travis County Public Utility Agency	City of Dallas, Texas	City of Fort Worth, Texas

Operations and Management Reviews

Quail Valley Utility District	City of Bastrop, Texas	City of Gladewater, Texas
City of Waco, Texas	City of Uvalde, Texas	City of Galveston, Texas

Other Projects

Central Texas UDC - Facilities Acquisition Negotiations	City of Bee Cave - Litigation Support and Expert Witness Testimony
City of Georgetown/ Chisholm Trail SUD - Regionalization Feasibility	La Ventana - Litigation Support and Expert Witness Testimony
City of Georgetown - Contract Assignment Consents	White Bluff Rate Payers - Litigation Support and Expert Witness Testimony
City of Lakeway – Review of Utility Rates of Lakeway MUD	Canyon Lake Rate Payers – Litigation Support and Expert Witness Testimony

Publications and Presentations

Texas H2O, November/December 2004, “Finding the Water: How to Cope with HB3338”
Office of Rural Community Affairs, 2004 – Water Related Training for Local Leaders
Texas Water, 2004 – Professional Paper - Water Audits, Water Loss and HB3338
Texas Rural Water Association Annual Conference 2002– Presentation – Encroachment Issues
Incode Education Forum, 2007 – Selling Utility Rate Studies
Texas Water, 2006 – Water Loss Determination
Munis Education Forum, 2006 – Utility Rate Analysis
Incode Education Forum, 2006 – Utility Rate Analysis
TAWWA Rate Seminar, 2010 - Utility Rate Analysis
GFOAT, 2005 – Capital Financing Seminar
GFOAT Gulf-Coast Chapter, 2005 – Presentation – The GFO’s Water Challenges

References

West Travis County Public Utility Agency Financial Manager Cost of Service and Rate Design Study

Project Description	Nelisa Heddin became familiar with the West Travis County water and wastewater systems beginning in 2007 during a contested proceeding between the Lower Colorado River Authority (LCRA) and the City of Bee Cave and eventually testified on the equitability of the rates implemented by the LCRA before the State Office of Administrative Hearings (SOAH). Ultimately, the City of Bee Cave along with Travis County MUD #3 and Hays County ended up purchasing the systems and created the West Travis County Public Utility Agency (Agency) to own and operate the systems. Ms. Heddin assisted in the acquisition of the systems and the transition of the operation of the systems to the Agency. Ms. Heddin served as the Financial Manager for the Agency assisting with budgeting, revenue tracking, and the many challenges associated with this large, regional system through 2014. Ms. Heddin has completed 4 cost of service and rate design studies for the Agency, with the most recent analysis completed in May, 2019.
Project Completion	2012 – present
Project Highlights	Financial Manager Annual Budgeting Impact Fee Analysis Wholesale Rate Analysis Cost of Service and Rate Design Capital Improvement Planning Public Education
Contact	Jennifer Riechers West Travis County Public Utility Agency General Manager (512) 263-0100 12117 Bee Cave Rd. Building 3, Suite 120 Bee Cave, Texas 78738 jriechers@wtcpua.org

City of Southside Place, Texas Cost of Service and Rate Design Study

Project Description	In 2008, Nelisa Heddin conducted a Cost of Service and Rate Design study for the City of Southside Place. The analysis evaluated the cost of providing services to residential and commercial customers and made recommendations to adjustments in rates based upon those costs. Ms. Heddin was asked to return in 2014 to conduct a follow-up study; she is scheduled to present recommendations to City Council in May, 2014.
Project Completion	2008, 2014
Project Highlights	Cost of Service and Rate Design Transitional Implementation Plan Capital Improvement Planning
Contact	David Moss City of Southside Place, Texas City Manager (713) 668-2341 6309 Edloe Ave Houston, Texas 77005 citymgr@southside-place.org

City of Webster, Texas Cost of Service and Rate Design Study	
Project Description	Nelisa Heddin started working with the City of Webster in 2004 when she conducted a Cost of Service and Rate Design study for the City. At that time, the City was not charging residential customers for water and wastewater services – they had a “live free in Webster campaign.” During the post-9/11 economic downturn, the City could no longer utilize tax-revenues to subsidize their utilities. Ms. Heddin worked closely with City staff to develop a transitional implementation plan which would slowly increase rates over time to achieve cost of service. Ms. Heddin has been asked to assist the City in subsequent studies in 2007 and 2013.
Project Completion	2004, 2007 and 2013
Project Highlights	Cost of Service and Rate Design Transitional Implementation Plan Capital Improvement Planning Public Education
Contact	Mike Rodgers, CPA City of Webster, Texas Director of Finance (281) 316-4102 101 Pennsylvania Ave Webster, Texas 77598 mrodgers@cityofwebster.com

City of Corinth, Texas Cost of Service and Rate Design Study	
Project Description	In 2006, Nelisa Heddin conducted a Cost of Service and Rate Design study for the City of Corinth. As the City had difficulty getting rate recommendations passed in the past, Ms. Heddin worked closely with City staff to develop strategies that would ensure adoption by the City’s elected officials and acceptance by the public. The analysis had to consider substantial capital improvements required on the system and developed rates to recover the revenues necessary to keep the system in compliance. Since the original analysis, Ms. Heddin has been invited to assist the City in evaluating rates in 2007, 2008, 2009, 2010 and 2013.
Project Completion	2006, 2007, 2008, 2009, 2010 and 2014
Project Highlights	Cost of Service and Rate Design Benchmarking Analysis Transitional Implementation Plan Capital Improvement Planning
Contact	Lee Ann Bunselmeyer City of Corinth, Texas Director of Finance (940) 498-3280 3300 Corinth Parkway Corinth, Texas 76208 lbunselmeyer@cityofcorinth.com

Professional Proposal

Professional Proposal

City of Rollingwood, Texas

Water Utility

Cost of Service and Rate Design Study Proposal

November 30, 2020



Nelisa Heddin Consulting, LLC
P.O. Box 341855
Lakeway, TX 78734
(512) 589-1028
nheddin@nelisaheddinconsulting.com

EXECUTIVE SUMMARY

Nelisa Heddin Consulting, LLC (NH Consulting) is pleased to provide the City of Rollingwood (“City”) with a proposal for a cost of service and rate design study for the City’s Water Utility. NH Consulting will work with the City to develop rate recommendations which will assure adequate revenues for operations and capital improvements on a self-sustaining basis, while considering the economic impact on the Utility’s customers, taking into consideration the cost of providing the services. *NH Consulting offers the City of Rollingwood unparalleled expertise in the performance of cost of service and rate design analysis.*

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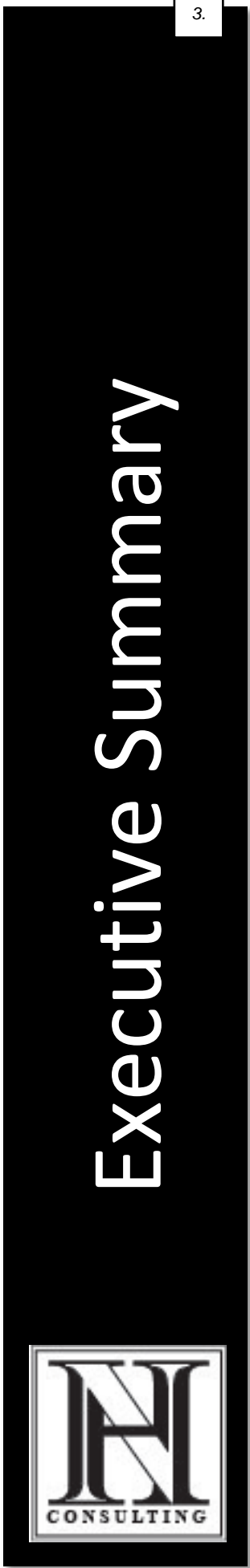
NH Consulting intends to provide the City with a comprehensive package of services to enable the City to more efficiently manage its utilities and fully evaluate the City’s utility rate structure.

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- A project manager who is committed to providing value-added services to the City that go beyond simply the performance of a rate study, but assisting the City in planning for the future of its Utilities
- A project manager who is experienced in the performance of and specializing in cost of service and rate design studies for numerous entities throughout the U.S and is a recognized expert in the industry having testified before the State Office of Administrative Hearings and the State Legislature
- Responsiveness and constant communication with the City

As outlined in this proposal, NH Consulting is uniquely qualified to meet each of these requirements.



PROJECT APPROACH

Analysis of Water Fund Finances and Water Rates

“Inflation and resulting cost impacts on water utility customers, as well as increased public awareness of the need for conservation and more effective use of natural resources, together with the need to provide proper price signals, have challenged utility managers to continue providing high-quality service to water utility customers on an equitable and fair cost basis.”¹ There are many State and Federal regulations surrounding water and wastewater rates. Chapter 13 of the Texas Water Code states, “rates shall not be unreasonably preferential, prejudicial, or discriminatory but shall be sufficient, equitable, and consistent in application to each class of consumers.” Special care must be taken during the development of water and wastewater rates to ensure that the rates developed are in accordance with this statute.

NH Consulting utilizes a cost of service rate design methodology, called the base-extra capacity method, which is endorsed by the American Water Works Association (AWWA). “The AWWA Rates and Charges Subcommittee does not endorse any substantial departure from cost-of-service based rates to achieve social objectives.”¹ The AWWA emphasizes the importance of using sound cost-of-service principles while setting rates.

The development of water rates utilizing the base-extra capacity method involves four primary steps:

1) Determination of Annual Revenue Requirements for the Study Period

It is particularly important that all costs associated with providing service are included in the revenue requirement. This includes direct costs such as those required to pump and treat water, as well as indirect costs such as allocations for administrative overhead incurred by other Town departments. It is imperative that the costs included in the revenue requirements are within the confines of State and Federal regulations.

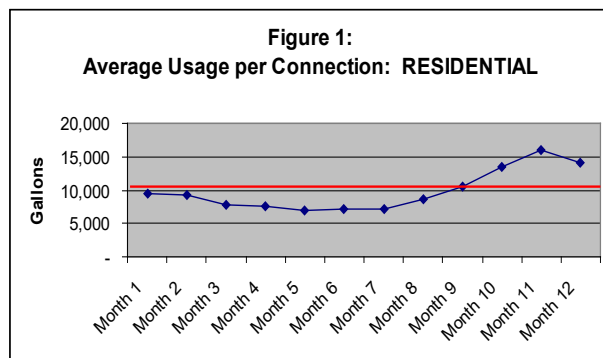
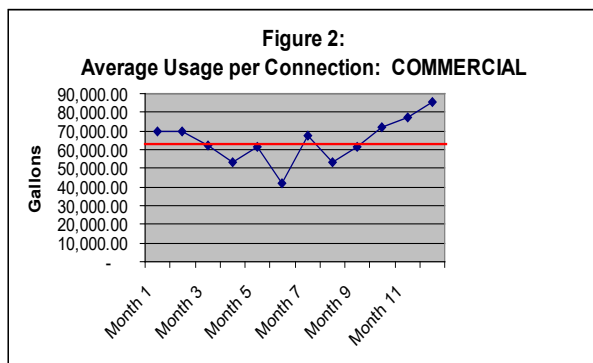
There are two primary approaches to the development of revenue requirements, the “cash-needs” approach, and the “utility” approach. The “cash-needs” approach ensures that the revenues generated by the utility cover the cash needs of the utility, including debt obligations, as they come due, whereas the “utility” basis does not consider debt obligations. The primary difference is that the “utility” basis considers depreciation rather than debt. NH Consulting will work closely with Town staff to determine the approach which is most appropriate in meeting the Town’s needs.

2) Functionalize Revenue Requirements into Cost Components

Chapter 290 of the Texas Administrative Code outlines strict guidelines that the water utility must abide by while providing retail water services. These guidelines outline specific requirements for items such as minimal system capacities. Thus, the Town must maintain the infrastructure to meet these requirements. Infrastructure capacity requirements are determined by the number of connections that the system serves, and the size of each connection as well as the usage patterns of those customers. Water utilities are designed to handle times of peak usage, such as summer months when residents are irrigating heavily.

¹ American Water Works Association M1 Manual, Water Rates, Fourth Edition, 1991.

Even though the utility may have average usage at a certain level, it must have the capacity to serve customers at a level that is much greater, in order to meet peaking demands. Figures 1 and 2 demonstrate different usage patterns of residential and commercial customers that may occur on a water utility.



According to the AWWA, “a water utility is required to supply water in total amounts and at such rates of use desired by the customer. A utility incurs costs in relationship to the various expenditure requirements caused by meeting those customer needs. Since the needs for total volume of supply and peak rates of use vary among customers, the costs to the utility of providing service also vary among customers or classes of customers.”² In other words, there are significant cost implications to the ability a utility system must have to meet peaking patterns. Therefore, one must have an in-depth understanding of the Utility’s expenses in order to allocate them properly into functional cost components.

NH Consulting uses a base-extra capacity methodology to functionalize costs into the following components, as defined by the AWWA in the M1 Manual:

- **Base Costs** – costs that tend to vary with the total quantity of water used plus those O&M expenses and capital costs associated with service to customers under average load conditions, without the elements of cost incurred to meet water use variations and resulting peaks in demand.
- **Extra Capacity Costs** – costs associated with meeting rate-of-use requirements in excess of average and include O&M expenses and capital costs for system capacity beyond that required for average rate of use.
- **Customer Costs** – those costs associated with serving customers, irrespective of the amount or rate of water use.
- **Direct Fire Protection Costs** – those costs that are applicable solely to the fire-protection function.

3) Allocation of Cost Components into Customer Classes

Special care must be taken in the selection of customer classifications. In setting customer classes, one must consider service characteristics, demand patterns, and whether service is provided both inside and outside city limits. Customers grouped in the same classification must utilize water for similar purposes and in similar patterns.

The utilization of the base-extra capacity methodology requires an in-depth analysis of customer usage patterns in order to gain a thorough understanding of the demand factors imposed by each customer classification. While setting appropriate customer classifications, the customer’s average and peak usage must be examined.

The ultimate goal of the customer usage analysis is to distribute cost components (base costs, extra-capacity costs, customer costs, and direct fire protection costs) to customer classes based on their specific usage patterns.

² American Water Works Association M1 Manual, Water Rates, Fourth Edition, 1991.

4) Design Water Rates

Water rate design is often a daunting and complex task. The primary consideration is to recover from each customer class, within practical limits, the cost to serve that customer class. However, special care must be taken to ensure that rates are equitable among customer classes, and that customers do not experience “rate shock” because of the new rate structure. In addition, it is important to realize that there are many political and policy influences on the rates charged by a water utility. Water rates must also send appropriate pricing signals to the utility’s customers. Many rate options exist, including: Minimum bill by meter size; Minimum bill by customer class; Volumetric rate by meter size; Volumetric rate by customer class; Conservation rates; Inclining block rates; Declining block rates; Uniform block pricing; Conservation incentives; Marginal cost rates; Unmetered rates; Direct fire-protection rates. The goals of the individual utility must be taken into consideration while evaluating each water rate option.

WORK PLAN

The Project Team has put together a work plan that accomplishes the four steps of rate design and accomplishes the goals/objectives outlined by the Town. NH Consulting’s general approach to rate design is to first thoroughly understand the goals of the Utility and design rates which meet those goals. The Project Team will discuss rate design options and project goals with the Town in a kick-off meeting, which will set the tone and direction of the project.

Task Number	Task Name	Description	Deliverable (if any)
1	Revenue Requirement Determination	Development of Revenue Requirements for the base-year utilizing historical actual costs, Town budgets, debt service schedules, capita improvement plans and information/input from Town staff.	Detailed schedule outlining the base-year revenue requirement and the basis of development, assumptions, and adjustments will be provided to and reviewed with Town staff in a work-paper document. Base year revenue requirements will be relied upon to develop five-year revenue requirements.
2	Allocation of Revenue Requirements Between Utilities	Base-year Revenue Requirements will then be allocated between the utilities based upon a variety of cost-causation factors. NH Consulting will rely upon input from Town staff to ensure appropriate allocations have been made.	A detailed schedule which allocates the Revenue Requirements between the three utilities and the allocation factors utilized for each line-item will be identified and provided to Town staff in a work-paper document. The project team will seek approval of the allocations. The results of this analysis will be incorporated into the five-year Revenue Requirement projections for each utility.
3	Development of Five-Year Revenue Requirement Forecast	Once the base year revenue requirements for the test year have been developed, NH Consulting will work with Town staff to develop a five-year projection of revenue requirements for each utility. Known and measurable changes such as capital improvements, future debt issues and process changes, will be taken into account. The project team will work closely with Town staff project these costs into the five-year planning period considering elements including, but not limited to, inflation, personnel changes, growth impacts, etc. Existing costs will be determined as well as the costs for the proposed CIP. O&M reserves repair and replacement reserves and debt service reserves	Detailed schedules outlining the five-year projection and the basic assumptions used to make those projections. These schedules will likely be included in the final report of the study.

		will be established to coincide with the Town’s financial policies.	
4	Functionalization of Revenue Requirements	Once revenue requirements have been determined and projected for the five-year study period, NH Consulting will functionalize each cost component into functional categories, based on that cost. Cost components for the water utility will be further functionalized into base, extra-capacity, and customer cost categories. Wastewater components will be functionalized into flow, treatment, and customer cost categories.	Cost functionalization work-paper schedules will be reviewed with Town staff and will be relied upon for the allocation of costs to customer classes.
5	Customer Demand Analysis	<p>NH Consulting will next examine the historical usage patterns of the Town’s current customer classes and will evaluate possible new customer classifications.</p> <p>NH Consulting will examine the usage patterns of the customer classes to determine their average and peak usage. The customer demand analysis is not only useful in cost allocations, it also enables the utility to make future revenue projections, as well as serve as a tool in water resource planning. In addition, NH Consulting will use this analysis to review the Town’s current customer classifications as to appropriateness.</p>	Historical customer demands, average use, and peaking patterns will be provided to Town staff in detailed work-papers for review and incorporation into the customer cost allocations and future use projections.
6	Customer Count and Demand Projections	The next step in the analysis is to project future customer growth. NH Consulting will examine historical growth patterns, and discuss future growth with the Town’s utility and planning departments to make this projection. In addition, NH Consulting will analyze historical usage patterns and customer growth projections to project usage for the five-year study period.	Future projections of customer count and demands will be reviewed with Town staff. The final report will summarize these projections and the basic assumptions utilized in making these projections.
7	Allocation of Cost Components to Customer Classes	Once NH Consulting has accurately functionalized costs into cost components and has analyzed customer demands, NH Consulting will be able to allocate costs to customer classes based on their usage patterns, and thus relative demands they place on utilities.	Detailed work-papers allocating costs to customer classes will be reviewed with Town staff. The final report will summarize the results of the cost allocation analysis.
8	Rate Design	The previous steps have allocated	The final rate design work

		costs to customer classes based on their system demands and have projected customer demands, and thus billing units, into the future. The final step of the analysis is to design rates for the utilities. NH Consulting will first determine cost-of-service based rates for each customer class. Additionally, NH Consulting will provide alternative rate design options if deemed necessary. The ultimate rates recommended by the project team will be fair and equitable among customers; fully recover the costs associated with providing services; and will meet the goals of the Town as defined in the project kick-off meeting.	papers will be reviewed with Town staff. The recommended rate design will be incorporated into the final report.
9	Preliminary Draft Report	NH Consulting will prepare a preliminary draft report for the Town that discusses the methodology used during the analyses, the critical assumptions made by the project team, and findings and recommendations. The project team will present the draft report to Town staff for comment.	A draft report will be provided to Town staff for comment/edits. Unless otherwise requested by the Town, the draft report will be provided in an electronic, PDF format.
10	Issuance of Final Report	NH Consulting will incorporate the Town's comments into the draft report, and will issue a final report to the Town. This report would include an executive summary, which documents the findings and recommendations in a clear and concise manner.	The project team will provide the Town with the final report.
11	Presentation of Findings	NH Consulting will present findings in up to two regularly scheduled or special called meetings/workshops or public hearings. The project team will educate the Council and/or the public on the methodology, findings, and recommendations of the project.	NH Consulting typically presents findings with a Power-Point presentation, or similar format as deemed appropriate.

NH Consulting will seek to have a clear understanding of Utility Commission and City Council's expectations and receive input prior to development of final recommendations.

Additional Scenarios

It has been the experience of NH Consulting that in order for officials to be able to make the best-informed decisions pertaining to the future of the utility, it may be necessary to run multiple “what-if” scenarios for consideration. These scenarios may include rates with or without future funding for CIP projects, or scenarios looking at different levels of base fees versus volumetric fees, or scenarios evaluating potential changes to customer classifications. NH Consulting will work with the City to identify if any alternative “what-if” scenarios are necessary, and if they are, NH Consulting will commit to running these scenarios as necessary in order to ensure the City has all the information necessary to make informed decisions.

Meetings and Development of Materials

NH Consulting considers the role of consultant to the City of Rollingwood to consist of more than simply developing a rate mode and writing a report. Rather, NH Consulting considers its role as one of guiding the City through the process of considering and evaluating changes to its wastewater utility rates. This role includes not just running numbers and writing a report, but also attending meetings with City staff, City Council, and the Utility Commission, providing guidance on the best way to approach policy initiatives, listening to the City Council and Utility Commission and the public and incorporating their thoughts and concerns into the model, and assisting with the development of materials and communications with the public and even the ordinance to be adopted.

It is extremely important to NH Consulting that the City receives the time and assistance it needs to determine the most appropriate path forward for the City’s wastewater utility. NH Consulting will not only develop rates and write a report, but will guarantee assistance to the City in the other elements involved including public communications and even discussing implementation of final rates with the City’s billing company. NH Consulting will also be available anytime during the five-year study period to assist with any future questions pertaining to the rates and recommendations.

As such, this proposal does not limit the number of meetings with City staff, the City Council or the Utility Commission – but instead, NH Consulting will commit to doing whatever is necessary to get the job done and see that the City is able to adopt changes to its rates as necessary.

Proposed Fees

NH Consulting proposes to perform the services described herein for a guaranteed-not-to exceed fee of \$10,870. The City would be billed monthly based upon percentage of completion, with the final payment to be due upon delivery of final report and presentation of findings. The project budget and scope of services presented herein reflect the project team’s understanding of the City’s specific needs. *The project team is willing to negotiate price based on an adjusted scope of services to meet the City’s specific needs and budgetary limitations if deemed necessary.*

Proposed Fees



NELISA HEDDIN CONSULTING, LLC PROFILE

NH Consulting is a management consulting firm specializing in the financial planning and management of municipal utilities. NH Consulting works closely with each client to develop strategic, individualized solutions. We provide a full range of services to meet our clients' complex needs including cost of service and rate design studies, impact fee analysis, and budgeting assistance.

NH Consulting works closely with each client to thoroughly understand their unique needs, goals, issues and challenges and develops strategic solutions customized to address the individualized needs of each client.

Services provided by NH Consulting include:

- Cost of Service and Rate Design Studies
- Comprehensive Fee Analysis
- Indirect Cost Allocation Studies
- Impact Fee Analysis
- Pro Forma Analysis
- Bond Issuance Support
- Annual and Long Term Operational Budgeting
- Cost Benefit Analysis
- Comparative Benchmarking Analysis
- Financial Planning and Modeling
- Financial Planning and Modeling
- Financial Planning and Budgeting for CIP Programs
- Public Education Programs
- Service Area Valuations
- Feasibility Analysis
- Regionalization Planning and Implementation
- Expert Witness Testimony
- Legislative Support
- Billing System Reviews and Implementation

Strategic – Innovative - Excellence

Nelisa Heddin, president of NH Consulting, is Past Chair of the Texas AWWA Rates and Charges Sub-Committee, and is still actively involved in this professional organization. Ms. Heddin brings the most innovative solutions in the industry to each of her clients – allowing her to develop customized strategies to meet each of her clients needs.

Firm Profile



PROJECT TEAM PROFILE

NELISA HEDDIN, PROJECT MANAGER

Ms. Heddin will serve as the project manager for this engagement, bringing over 19 years in utility rate design to this engagement. Ms. Heddin will be performing the financial analysis and will responsible for the overall quality control for this engagement.

Ms. Heddin is an industry expert in financial planning and management for municipal utilities, specializing in cost of service and rate design studies, impact fee analysis, cost benefit analysis, and annual and long-term budgeting. Ms. Heddin has over 19 years experience in providing consulting services to utilities of all sizes throughout the Southwest. She is a Past-Chair of the Texas AWWA Rates and Charges Sub-committee and has been invited to speak at numerous industry functions regarding cost of service issues, rate design, water loss and capital financing.

Expertise You Can Rely On – Quality You Can Trust

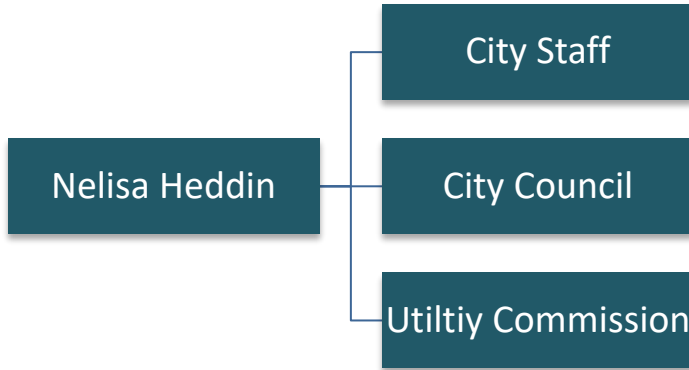
NH Consulting assigns a single project manager who services as project manager and analyst for each engagement – this ensures continuity throughout each engagement. Nelisa Heddin, the proposed project manager for this engagement, is a leading expert in cost of service and rate design studies, having worked for entities across the United States such as the Cities of Dallas, Phoenix, Tucson, Little Rock, Webster, Pflugerville, and Georgetown.

Project Team Profile



Organizational Chart

Nelisa Heddin, president of NH Consulting, will be working directly with the City on this engagement. While administrative staff may be utilized to some degree to assist in some areas such as data entry, Ms. Heddin will perform the financial analysis, write the report and will work directly with the City. It is the perspective of NH Consulting that the City must have direct access to the expert in this field rather than staff who have limited experience. As such, the organizational chart for this engagement is very simple:



Nelisa Heddin

President

Professional Background

Nelisa Heddin is an industry expert in financial planning and management for water and wastewater utilities; specializing in cost of service and rate design studies, impact fee analysis, cost benefit analysis, and annual and long-term budgeting. Ms. Heddin has over 16 years experience in providing consulting services to utilities of all sizes throughout the Southwest. Ms. Heddin has a Masters of Business Administration with a specialty in Finance. She is a Past-Chair of the Texas AWWA Rates and Charges Subcommittee and has been invited to speak at numerous industry functions regarding water and wastewater rates, rate design, water loss, and capital financing.

Education

B.S., Biology, New Mexico State University, 1996
MBA, Finance, New Mexico State University, 1999

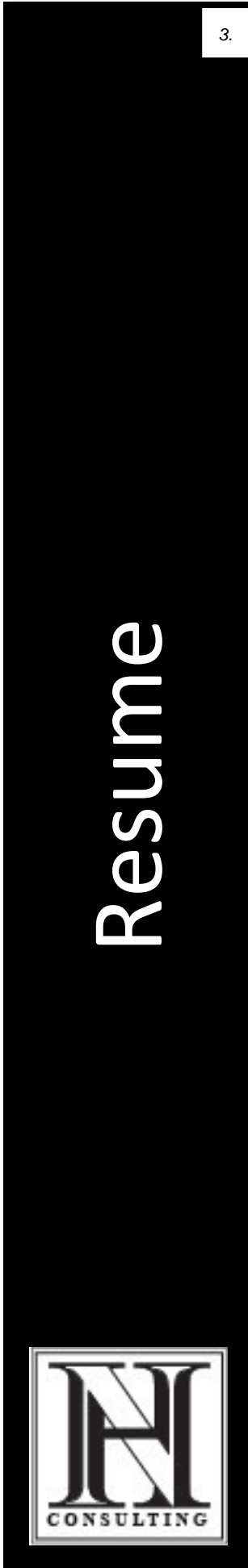
Professional Affiliations

American Water Works Association
Past Chairman Texas AWWA Rates and Charges Subcommittee
Texas Municipal League
Texas Government Financial Officers Association

Sample of Relevant Project Experience

Cost of Service and Rate Design Projects

- | | |
|-------------------------------|--|
| Bistone Municipal WSC | City of North Lake, Texas |
| City of Alamo Heights, Texas | City of Pecos, Texas |
| City of Bastrop, Texas | City of Pflugerville, Texas |
| City of Bonham, Texas | City of Phoenix, Arizona |
| City of Burnet, Texas | City of Richmond, Texas |
| City of Cameron, Texas | City of Selma, Texas |
| City of Copperas Cove, Texas | City of Southside Place, Texas |
| City of Corinth, Texas | City of Sweet Water, Texas |
| City of Cuero, Texas | City of Webster, Texas |
| City of Del Rio, Texas | City of Wortham, Texas |
| City of Friendswood, Texas | Eldorado Area WSD |
| City of Garland, Texas | Fair Management, LC |
| City of Gladewater, Texas | Gorforth SUD |
| City of Horseshoe Bay, Texas | La Ventana Utilities |
| City of Idabel, Oklahoma | MB Wastewater Services, LLC |
| City of Krum, Texas | Quail Valley Utility District |
| City of Lago Vista, Texas | Southern Crossing Utilities |
| City of Leon Valley, Texas | Travis County WCID #17 |
| City of Little Rock, Arkansas | West Travis County Public Utility Agency |
| City of Lindale, Texas | Whiterock Water Supply Corporation |
| City of Mexia, Texas | |
| City of Midland, Texas | |
| City of Missouri City, Texas | |
| City of Moulton, Texas | |
| City of Murphy, Texas | |
| City of New Madrid, Missouri | |



Impact Fee Studies

West Travis County Public Utility Agency	City of Burnet, Texas
City of Southside Place, Texas	City of Corinth, Texas
City of Cuero, Texas	City of Missouri City, Texas
City of Bastrop, Texas	

Valuation Analysis

Central Texas UDC	U.S. Navy	Green Valley SUD
West Travis County Public Utility Agency	City of Dallas, Texas	City of Fort Worth, Texas

Operations and Management Reviews

Quail Valley Utility District	City of Bastrop, Texas	City of Gladewater, Texas
City of Waco, Texas	City of Uvalde, Texas	City of Galveston, Texas

Other Projects

Central Texas UDC - Facilities Acquisition Negotiations	City of Bee Cave - Litigation Support and Expert Witness Testimony
City of Georgetown/ Chisholm Trail SUD - Regionalization Feasibility	La Ventana - Litigation Support and Expert Witness Testimony
City of Georgetown - Contract Assignment Consents	White Bluff Rate Payers - Litigation Support and Expert Witness Testimony
City of Lakeway – Review of Utility Rates of Lakeway MUD	Canyon Lake Rate Payers – Litigation Support and Expert Witness Testimony

Publications and Presentations

Texas H2O, November/December 2004, “Finding the Water: How to Cope with HB3338”
Office of Rural Community Affairs, 2004 – Water Related Training for Local Leaders
Texas Water, 2004 – Professional Paper - Water Audits, Water Loss and HB3338
Texas Rural Water Association Annual Conference 2002– Presentation – Encroachment Issues
Incode Education Forum, 2007 – Selling Utility Rate Studies
Texas Water, 2006 – Water Loss Determination
Munis Education Forum, 2006 – Utility Rate Analysis
Incode Education Forum, 2006 – Utility Rate Analysis
TAWWA Rate Seminar, 2010 - Utility Rate Analysis
GFOAT, 2005 – Capital Financing Seminar
GFOAT Gulf-Coast Chapter, 2005 – Presentation – The GFO’s Water Challenges

References

West Travis County Public Utility Agency Financial Manager Cost of Service and Rate Design Study

Project Description	Nelisa Heddin became familiar with the West Travis County water and wastewater systems beginning in 2007 during a contested proceeding between the Lower Colorado River Authority (LCRA) and the City of Bee Cave and eventually testified on the equitability of the rates implemented by the LCRA before the State Office of Administrative Hearings (SOAH). Ultimately, the City of Bee Cave along with Travis County MUD #3 and Hays County ended up purchasing the systems and created the West Travis County Public Utility Agency (Agency) to own and operate the systems. Ms. Heddin assisted in the acquisition of the systems and the transition of the operation of the systems to the Agency. Ms. Heddin served as the Financial Manager for the Agency assisting with budgeting, revenue tracking, and the many challenges associated with this large, regional system through 2014. Ms. Heddin has completed 4 cost of service and rate design studies for the Agency, with the most recent analysis completed in May, 2019.
Project Completion	2012 – present
Project Highlights	Financial Manager Annual Budgeting Impact Fee Analysis Wholesale Rate Analysis Cost of Service and Rate Design Capital Improvement Planning Public Education
Contact	Jennifer Riechers West Travis County Public Utility Agency General Manager (512) 263-0100 12117 Bee Cave Rd. Building 3, Suite 120 Bee Cave, Texas 78738 jriechers@wtcpua.org

City of Southside Place, Texas Cost of Service and Rate Design Study

Project Description	In 2008, Nelisa Heddin conducted a Cost of Service and Rate Design study for the City of Southside Place. The analysis evaluated the cost of providing services to residential and commercial customers and made recommendations to adjustments in rates based upon those costs. Ms. Heddin was asked to return in 2014 to conduct a follow-up study; she is scheduled to present recommendations to City Council in May, 2014.
Project Completion	2008, 2014
Project Highlights	Cost of Service and Rate Design Transitional Implementation Plan Capital Improvement Planning
Contact	David Moss City of Southside Place, Texas City Manager (713) 668-2341 6309 Edloe Ave Houston, Texas 77005 citymgr@southside-place.org

City of Webster, Texas Cost of Service and Rate Design Study	
Project Description	Nelisa Heddin started working with the City of Webster in 2004 when she conducted a Cost of Service and Rate Design study for the City. At that time, the City was not charging residential customers for water and wastewater services – they had a “live free in Webster campaign.” During the post-9/11 economic downturn, the City could no longer utilize tax-revenues to subsidize their utilities. Ms. Heddin worked closely with City staff to develop a transitional implementation plan which would slowly increase rates over time to achieve cost of service. Ms. Heddin has been asked to assist the City in subsequent studies in 2007 and 2013.
Project Completion	2004, 2007 and 2013
Project Highlights	Cost of Service and Rate Design Transitional Implementation Plan Capital Improvement Planning Public Education
Contact	Mike Rodgers, CPA City of Webster, Texas Director of Finance (281) 316-4102 101 Pennsylvania Ave Webster, Texas 77598 mrodgers@cityofwebster.com

City of Corinth, Texas Cost of Service and Rate Design Study	
Project Description	In 2006, Nelisa Heddin conducted a Cost of Service and Rate Design study for the City of Corinth. As the City had difficulty getting rate recommendations passed in the past, Ms. Heddin worked closely with City staff to develop strategies that would ensure adoption by the City’s elected officials and acceptance by the public. The analysis had to consider substantial capital improvements required on the system and developed rates to recover the revenues necessary to keep the system in compliance. Since the original analysis, Ms. Heddin has been invited to assist the City in evaluating rates in 2007, 2008, 2009, 2010 and 2013.
Project Completion	2006, 2007, 2008, 2009, 2010 and 2014
Project Highlights	Cost of Service and Rate Design Benchmarking Analysis Transitional Implementation Plan Capital Improvement Planning
Contact	Lee Ann Bunselmeyer City of Corinth, Texas Director of Finance (940) 498-3280 3300 Corinth Parkway Corinth, Texas 76208 lbunselmeyer@cityofcorinth.com



CITY OF ROLLINGWOOD CITY COUNCIL MEETING MINUTES

Wednesday, November 18, 2020

On Wednesday, November 18, 2020 at 6:30 p.m., the City Council of the City of Rollingwood, Texas held a regular meeting, open to the public, via video conference and telephone in accordance with an order of the Office of the Governor issued March 16, 2020. The public was able to watch this meeting live and had the opportunity to comment via audio devices with the following meeting login information:

Link: <https://us02web.zoom.us/j/81149050643?pwd=L3pxRlM3SHZpd3UzMzlvclR0Mk5uUT09>

Toll-Free Numbers: (833) 548-0276 or (833) 548-0282

Meeting ID: 811 4905 0643

Passcode: 2020

The public was permitted to offer public comments via their audio devices when logged in to the meeting or telephonically by calling in as provided by the agenda and as permitted by the presiding officer during the meeting. A video recording of the meeting was made and posted to the City's website and available to the public in accordance with the Texas Public Information Act upon written request. The following items were discussed:

CALL REGULAR CITY COUNCIL MEETING TO ORDER

1. Roll Call

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

Present Members: Mayor Michael Dyson, Council Member Wendi Hundley, Council Member Amy Pattillo, Council Member Sara Hutson, Council Member Buck Shapiro and Mayor Pro Tem Gavin Massingill.

Also Present: City Administrator Amber Lewis, City Attorney Charles Zech, Assistant City Administrator Ashley Wayman, and Development Director Carrie Caylor.

Mayor Michael Dyson called up the Consent Agenda at this time.

PRESENTATIONS

2. Presentation of proposals for collections services by Linebarger Attorneys at Law and Perdue Brandon.

Sam Turner, with Linebarger Attorneys at Law, presented their proposal for Collections Services.

Dan Romo, with Perdue Brandon, presented their proposal for Collections Services.

Mayor Michael Dyson called up item 17 at this time.

PUBLIC COMMENTS

There were no public comments.

PUBLIC HEARING

- 3. Public hearing, discussion and possible action on amendments to Subdivision 2. Residential Tree Canopy Management of the City's Code of Ordinances.

Mayor Michael Dyson opened the public hearing at 7:14 p.m.

No individuals spoke during the public hearing.

Mayor Michael Dyson closed the public hearing at 7:15 p.m.

Mayor Michael Dyson called up item 15 at this time.

- 4. Public hearing on a proposed Tax Note Series 2020 project: Preliminary Engineering Report for drainage improvements at Nixon and Pleasant Drives which is, a) estimated to cost \$84,183, b) estimated to take 90 days, c) analyze public safety issues posed by flooding, and d) identify easement need.

Mayor Michael Dyson opened the public hearing at 6:37 p.m.

No individuals spoke during the public hearing.

Mayor Michael Dyson closed the public hearing at 6:38 p.m.

Mayor Michael Dyson called up item 13 and 14 at this time.

CONSENT AGENDA

All Consent Agenda items listed are considered to be routine by the City Council and may be enacted by one (1) motion. There will be no separate discussion of Consent Agenda items unless a City Council Member has requested that the item be discussed, in which case the item will be removed from the Consent Agenda and considered in its normal sequence on the Regular Agenda.

- 5. Discussion and possible action on the minutes from the October 21, 2020 City Council meeting.
- 6. Discussion and possible action on a second read of a resolution authorizing a project to make certain improvements that will enhance recreational and community facilities, including athletic facilities, in various locations within Rollingwood Park, and to authorize expenditures in an amount not to exceed \$30,000, pursuant to Texas Local Gov't Code Section 505.152.

- 7. Discussion and possible action on a second read of a resolution authorizing a project for development of a comprehensive plan, which will assist in promoting new and expanded business development and provide assistance as to how businesses create and retain jobs, and to authorize expenditures in an amount not to exceed \$30,000, pursuant to Texas Local Gov't Code Section 505.158.
- 8. Discussion and possible action on a first read of a resolution authorizing a project for legal services necessary for the evaluation of the targeted infrastructure included in the design of MoPac South and the potential impacts on the city's commercial corridor which affects the ability to promote new and expanded business development in the city, and to authorize expenditures in an amount not to exceed \$40,000, Pursuant to Texas Local Gov't Code Section 505.158.
- 9. Appointment of Council Members, which may be the Mayor, to serve as council liaisons for Police and Courts, Utility Commission, Streets and Roadways, Park Commission, Personnel, Budget, Planning and Zoning Commission, Board of Adjustment, and the Rollingwood Community Development Corporation.

Gavin Massingill motioned to approve the consent agenda. Wendi Hundley seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**

The motion passed 4-0.

Council Member Buck Shapiro joined at the conclusion of this item.

Mayor Michael Dyson called up item 10 at this time.

REGULAR AGENDA

- 10. Nomination and election of the Mayor Pro Tempore for a term of one year and to perform the duties of the Mayor in the Mayor's absence.

Mayor Michael Dyson recommended nominating Gavin Massingill as Mayor Pro Tem.

Wendi Hundley motioned to re-nominate Gavin Massingill as the Mayor Pro Tempore for a term of one year and to perform the duties of the Mayor in the Mayor's absence. Amy Pattillo seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Abstain**
- **Council Member Amy Pattillo – Yes**

- **Council Member Buck Shapiro – Yes**

The motion passed 4-0 with one abstention.

Mayor Michael Dyson called up Item 4 at this time.

11. Discussion and possible action regarding an appeal of the determination by the Building Official to not permit a curb cut for a parking pad on Edgegrove Drive for 4830 Rollingwood Drive.

Development Director Carrie Caylor discussed this request and stated that the builder, Zack Mills, was in attendance.

Zack Mills discussed his request for a curb cut.

The City Council and Development Director Carrie Caylor discussed the request.

Emily Thawley discussed her experience that exiting a driveway onto Edgegrove is unsafe for both traffic and pedestrians.

The City Council further discussed this request.

Sara Hutson motioned to deny the appeal and affirm the decision of the Building Official to not allow the additional curb cut. Amy Pattillo seconded the motion.

The Council discussed the process from here if the request is denied as well as the process for bringing it back at a future agenda.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - No**
- **Council Member Sara Hutson – No**
- **Council Member Amy Pattillo – No**
- **Council Member Buck Shapiro – No**

The motion failed 4-0.

Mayor Michael Dyson stated that this item would be brought back at the next month’s meeting.

Mayor Michael Dyson called up item 12 at this time.

12. Discussion and possible action on a site plan application by Western Hills Athletic Club.

Development Director Carrie Caylor discussed this request.

The City Council discussed whether they could take action on this request.

Sara Hutson motioned to postpone action on this item to gather additional information. Buck Shapiro seconded the motion.

Sara Hutson discussed drainage and retention considerations for this project and the City Council further discussed this request.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 4-0.

Mayor Michael Dyson called up item 18 at this time.

13. Discussion and possible action on a scope of services with K. Friese + Associates, Inc. to perform a Preliminary Engineering Report for drainage improvements at Nixon and Pleasant Drives.

Gavin Massingill discussed this project and what K. Friese has brought before the City Council since the last City Council Meeting.

Lauren Winek-Morin and Abe Salinas with K. Friese discussed this project.

The City Council discussed the details of this project and the quote provided.

Gavin Massingill motioned to adopt a scope of services with K. Friese + Associates, Inc. to perform a Preliminary Engineering Report for drainage improvements at Nixon and Pleasant Drives. Amy Pattillo seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 5-0.

Mayor Michael Dyson called up item 14 at this time.

14. Discussion and possible action to approve Tax Note Series 2020 funding for a Preliminary Engineering Report for drainage improvements at Nixon and Pleasant Drives which is, a) estimated to cost \$84,183, b) estimated to take 90 days, c) analyze public safety issues posed by flooding, and d) identify easement need.

Gavin Massingill motioned to approve Tax Note Series 2020 funding for a Preliminary Engineering Report for drainage improvements at Nixon and Pleasant Drives which is, a) estimated to cost \$84,183, b) estimated to take 90 days, c) analyze public safety issues posed by flooding, and d) identify easement need. Sara Hutson seconded the motion.

The Council discussed the process that was approved to fund projects with Tax Notes Series 2020, as well as posting the memos and supporting documentation for the project on the webpage that lists the approval process.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 5-0.

Mayor Michael Dyson called up item 3 at this time.

15. Discussion and possible action on amendments to Subdivision 2. Residential Tree Canopy Management of the City's Code of Ordinances.

Council Member Amy Pattillo discussed the attachments included in item 3 that correspond to this item. She explained the history of this discussion at City Council and Planning and Zoning Commission meetings.

Amy Pattillo discussed the proposed amendments letter by letter.

Amy Pattillo motioned to amend the ordinance to reflect the amendments for letters A and B. Wendi Hundley seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 5-0.

Amy Pattillo discussed item C, regarding dead and dying trees that a resident attempts to save.

Amy Pattillo motioned to amend section 107-375 Section E and F as recommended in the original amendment but in the places where it says, “may waive” it would say “may reduce or waive.” Wendi Hundley seconded the motion.

Development Director Carrie Caylor discussed her recommendations regarding this matter and that she would come back to Council with a policy on reductions/waiving of fees.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 5-0.

Amy Pattillo discussed Item D, property owner notice requirements.

Amy Pattillo motioned to make the addition of section 107-373 (a)(1) to add the language of “during removal of protected trees the tree removal permit shall be displayed on the construction board for the site in present or otherwise displayed on a sign within the first five feet of the front yard setback and if the house is not under construction the permit for tree removal shall be placed on the dashboard of the permitted vendor’s vehicle.” Wendi Hundley seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 5-0.

Amy Pattillo discussed Item E, and proposed that no amendment to the ordinance be made to require mailed notice.

The City Council discussed the proposed amendment and notice requirements.

Amy Pattillo moved past F and G.

Amy Pattillo discussed Item H and that she proposed that this amendment not be made.

Amy Pattillo discussed Item I, a request made by David Smith.

Amy Pattillo motioned to add Texas Cherry Laurels to the list of replacement species under section C-1 of 107-371. Wendi Hundley seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 5-0.

Amy Pattillo discussed item J, minimum size of trees.

Amy Pattillo motioned to amend the ordinance per letter J, but that the minimum size of trees be set to 12 inches. Wendi Hundley seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – No**
- **Mayor Pro Tem Gavin Massingill - Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – No**

The motion passed 3-2.

Amy Pattillo discussed items K, L and M and stated that she did not propose amendments for those items.

Gavin Massingill left the meeting at the conclusion of this item.

Mayor Michael Dyson called up item 2 at this time.

- 16. Discussion and possible action to cast a ballot for the western Travis County representative on the Board of Directors of the Travis County Appraisal District.

Wendi Hundley discussed this ballot and the representation that the city gets in this process. The City Council discussed this item.

Amy Pattillo motioned to cast all ballots for the John Havenstrite. Wendi Hundley seconded the motion.

The City Council further discussed John Havenstrite’s qualifications.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – No**

The motion passed 3-1.

Mayor Michael Dyson called up item 20 at this time.

- 17. Discussion and possible action to select a firm for collections services.

Wendi Hundley motioned to select Linebarger Attorneys at Law to perform collections services. Amy Pattillo seconded the motion.

The Council discussed the current collections agency and contract.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**

- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 4-0.

Mayor Michael Dyson called up item 11 at this time.

- 18. Discussion and possible action to provide additional direction to the Comprehensive Plan Strike Force and Pegasus including but not limited to citizen input and project schedule.

Sara Hutson discussed this agenda item and the presentations and involvement of Pegasus in the Strike Force meetings.

The City Council further discussed the other data and information that they would like to see from Pegasus as well as further direction that they need to be given.

Thom Farrell, Chair of the Comprehensive Plan Strike Force, explained the discussions he has had with Pegasus as well as the process from here, including public engagement and a second survey. He also discussed impervious cover limits on residential and commercial properties and asked that the City Council allow them to discuss this.

Ryan Clinton discussed the need for clarification on the timing between Strike Force activities and Pegasus as well as the previous direction on building heights and impervious cover.

The City Council discussed the timeline that they would like the Strike Force to follow and their expectations of the Strike Force and of the Comprehensive Plan.

- 19. Discussion and possible action to reappoint board and commission members whose terms are expiring for an additional two year term, grant a term-limit extension to Jim Beneke to continue to serving on the Board of Adjustment, and to review applications and make appointments to the Park Commission, Utility Commission, RCDC, Planning and Zoning Commission and the Board of Adjustment.

Mayor Michael Dyson discussed this item and recommended extending Jim Beneke’s term limit on the Board of Adjustment.

The Council discussed this term-limit extension.

Amy Pattillo motioned to grant a term-limit extension to Jim Beneke to continue to serving on the Board of Adjustment. Sara Hutson seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 4-0.

The City Council discussed the pool of outstanding applicants as well as current members that have expressed intent to continue serving.

Sara Hutson motioned to reappoint board and commission members whose terms are expiring for an additional two-year term. Wendi Hundley seconded the motion.

Mayor Michael Dyson called for a roll call vote.

- **Council Member Wendi Hundley - Yes**
- **Council Member Sara Hutson – Yes**
- **Council Member Amy Pattillo – Yes**
- **Council Member Buck Shapiro – Yes**

The motion passed 4-0.

Mayor Michael Dyson called up item 16 at this time.

- 20. Standing agenda item ----- update, discussion and possible action to pass a resolution, request a meeting with, to provide information or a statement of position of the City to, and/or to request information or analyses from relevant state and local officials in connection with the proposed South Mopac expansion.

Mayor Michael Dyson called up item 21 to be discussed in conjunction with this item.

Amy Pattillo stated that there are no updates for either item 20 or 21.

- 21. Standing agenda item ----- update, discussion and possible action regarding the Bee Cave Improvement Project TXDOT has committed to co-sponsoring with the City of Rollingwood that will address the low water crossing flooding issues, expand to 5-lanes with shoulders and sidewalks throughout Rollingwood’s portion of Bee Cave Road.

This item was discussed in conjunction with item 20.

Mayor Michael Dyson called up Public Comments at this time.

REPORTS

All reports are posted to inform the public. No discussion or action will take place on items not on the regular or consent agenda.

- 22. City Administrator's Report
- 23. Municipal Court Report
- 24. Chief of Police Report
- 25. City Engineer- LNV, Inc., Report
- 26. City Stats for October 2020

- 27. Contract invoices through October 2020 - AWR Services, Inc., Water and Wastewater Services, K. Friese & Associates - IIP & MS4, LNV, Inc., City Engineer, Professional Design Group, Inspections, ATS, Building Official
- 28. City Financials for October 2020 - Fiscal Year 2020-2021
- 29. RCDC Financials for October 2020 - FY 2020-2021
- 30. Texas Central Appraisal District and Tax Assessor - Notices, Letters and Documents.
- 31. Texas Gas Service - Notices, Letters and Documents
- 32. AWR Services, INC., Report on Water and Wastewater for October 2020

ADJOURNMENT OF MEETING

The meeting was adjourned at 10:40 p.m.

Minutes Adopted on the _____ day of _____, 2020.

Michael R. Dyson, Mayor

ATTEST:

Ashley Wayman, City Secretary

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ORDINANCE NO. 2020-12-16-06

**AN ORDINANCE AMENDING THE CITY CODE OF ORDINANCES,
PART 2, CHAPTER 107, ARTICLE II, DIVISION 10, SUBDIVISION 2
RESIDENTIAL TREE CANOPY MANAGEMENT, SECTIONS 107-369,
107-371, 107-372, 107-373, 107-375 and 107-376**

WHEREAS, regulations that protect the tree canopy also protect the health, safety, and general welfare of the citizens of the city; and

WHEREAS, the City desires to enhance the quality of the tree canopy and optimize the benefits that trees provide within the City of Rollingwood; and

WHEREAS, the City Council desires to amend and clarify regulations pertaining to the tree canopy management and protection in residential areas;

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROLLINGWOOD, TEXAS, THAT:

SECTION 1. The City’s Code of Ordinances Part II, Chapter 107, Article II, Division 10, Subdivision 2 – Residential Tree Canopy Management, Sections 107-369, 107-371, 107-372, 107-373, 107-375 and 107-376 of the City Code of Ordinances is hereby amended with strikeouts being deletions from the Code and underlines being additions to the Code:

Sec. 107-369. - Purpose.

- (a) The tree code regulations protect the health, safety, and general welfare of the citizens of the city. In doing so, the appearance of the city is enhanced and important ecological, cultural, and economic resources are protected for the benefit of the city's residents, businesses, and visitors.
- (b) The sections within this subdivision address trees in both development and non-development situations and seek to enhance the quality of the tree canopy and optimize the benefits that trees provide.
- (c) For development situations, additional requirements to this subdivision are designated in 107-376 ~~chapter 10~~ of this Code.

Sec. 107-371. - Definitions.

In this subdivision:

- (a) *Protected species* means:
 - (1) Ash, Texas
 - (2) Cypress, Bald

- 1 (3) Elm, American
- 2 (4) Elm, Cedar
- 3 (5) Madrone, Texas
- 4 (6) Maple, Bigtooth
- 5 (7) All Oaks
- 6 (8) Pecan
- 7 (9) Walnut, Arizona
- 8 (10) Walnut, Eastern Black

9 (b) *Protected tree* means a tree that has a trunk with a diameter of 12 inches or more, measured
 10 four and one-half feet above ground, and is one of the protected species;

11 (c) *Replacement species* means:

12 (1) For trees planted within 20 feet of an above-ground power, cable, or telephone line:

- 13 a. Anacacho Orchid Tree
- 14 b. Common Tree Senna
- 15 c. Crape Myrtle (dwarf)
- 16 d. Desert Willow
- 17 e. Evergreen Sumac
- 18 f. Eve's Necklace
- 19 g. Flameleaf Sumac
- 20 h. Goldenball Leadtree
- 21 i. Mexican Buckeye
- 22 j. Mexican Plum
- 23 k. Possumhaw Holly
- 24 l. Rough Leaf Dogwood
- 25 m. Texas Mountain Laurel
- 26 n. Texas Persimmon
- 27 o. Texas Pistache
- 28 p. Texas Redbud
- 29 q. Wax Myrtle
- 30 r. Yaupon Holly
- 31 s. Cherry Laurel

32 (2) For all other trees planted within a property, a protected species.

33 (d) *Replacement tree* means:

1 (1) For the replacement species listed in subsection (c)(1), a tree at least eight feet high when
2 planted, which shall be maintained in a healthy condition after planting;

3 (2) For the replacement species listed in subsection (c)(2), a tree with a diameter equal to
4 not less than one-fourth the diameter of the protected tree it replaces up to a maximum
5 diameter of six inches, which shall be maintained in a healthy condition after planting.
6 The diameter of protected and replacement trees shall be measured four and one-half feet
7 above the ground when planted.

8 (e) *Removal* means an act that causes or may be reasonably expected to cause a tree to die,
9 including:

10 (1) Uprooting;

11 (2) Severing the main trunk;

12 (3) Damaging the root system, including, but not limited to:

13 a. Adjusting the grading of a lot to cover or uncover a tree trunk or root system to the
14 extent that the adjusted grading causes or may be reasonably expected to cause the
15 tree to die; or

16 b. Placing fixtures over the root system to the extent that the placement of the fixtures
17 causes or may be reasonable expected to cause the tree to die.

18 (4) Excessive pruning, including, but not limited to, pruning that exceeds 25 percent of the
19 canopy of the tree.

20 (f) *Certified arborist* means an ISA certified arborist.

21
22 Sec. 107-372. - Administration.

23
24 (a) A city arborist shall be appointed by the city council to assist in promulgating forms for use
25 under this subdivision and to decide all applications for removal of a protected tree.

26 (b) If an applicant requests a variance as permitted under this subdivision, the city arborist shall
27 direct the request to the city council and make a recommendation to the city council whether
28 to approve the variance request.

29 (c) The list of eligible protected tree species under subsection 107-371(a) and the list of eligible
30 replacement tree species under 107-371(c) may be supplemented by approval of the city
31 council, in consultation with the city arborist or as provided by subsection ~~(g)~~ (e).

32 (d) An applicant may satisfy a tree replacement requirement by planting the required
33 replacement tree(s) on the property affected by the protected tree removal, or on one or more
34 other property(s) approved by the arborist or other designated agent of the city if:

35 (1) The benefit to residents of the city would be as great as replacement on the property
36 affected by the protected tree removal; and

37 (2) The owner(s) of such other property(s) agree in writing to maintain the replacement
38 trees in a healthy condition and replace same with like trees, as necessary as a result of a
39 death of such tree(s), for a period of not less than three years.

1 (e) For purposes of subsections 107-372(f) (c) and (d) the city and the owner may consult with
2 an academic organization, state agency, nonprofit organization, or the city arborist to identify
3 an area for which tree planting will best address the science-based benefits of trees and other
4 reforestation needs of the municipality within and outside of the city limits.

5 (f) The city council shall provide for fees payable for review of applications for permits and
6 variances pursuant to this division.

7
8 Sec. 107-373. - Removal of protected trees.
9

10 (a) A person may not remove a protected tree without a tree removal permit for the removal and
11 compliance with the terms of this subdivision.

12 (1) During removal of protected trees the tree removal permit shall be displayed on the
13 construction board for the site in present or otherwise displayed on a sign within the first five
14 feet of the front yard setback and if the house is not under construction the permit for tree
15 removal shall be placed on the dashboard of the permitted vendor’s vehicle.

16 (b) Emergency pruning or removal. Notwithstanding subsection 107-373(a), a person may
17 perform emergency pruning or removal of a protected tree as follows:

18 (1) When the condition or location of a protected tree presents a clear and immediate danger
19 to a structure or to the health and safety of the public, the hazardous portion of the
20 protected tree may be removed without first obtaining a required tree removal permit.

21 (2) In the course of performing emergency repairs to a road or water, wastewater, or
22 drainage facilities, agents or contractors of the city may trim, prune or remove a protected
23 tree as required to perform such work without first obtaining a tree removal permit. If
24 such activities occur during normal business hours, the city shall first attempt to contact
25 the city arborist to determine if the city arborist can provide immediate guidance and
26 assistance. If such assistance is not immediately available, then the pruning or removal
27 may occur in accordance with the requirements under chapter 18, article V of this Code.

28 (3) Any person who prunes or removes a protected tree under the provisions of this
29 subsection shall, within ~~seven~~fourteen (14) days of such action or as soon as practicable
30 if there is a coinciding declaration of a state of emergency in the city, apply for a tree
31 removal permit providing for replacement trees as required by this subdivision. The
32 application shall include photographs or other documentation to demonstrate the requisite
33 clear and immediate danger. The city arborist will evaluate the information to determine
34 whether a clear and immediate danger existed. A failure to submit an application or a
35 failure to submit information demonstrating the clear and immediate danger shall
36 constitute a violation of this subdivision.

37 (c) The requirements of this subdivision apply to trees on public and private property. To the
38 extent of conflict with another section of the Code, this subdivision applies.

39
40 Sec. 107-375. - Conditions for approval.
41

42 (a) If the protected tree is located within a setback area and the total width of the setback area is
43 greater than ten feet from the edge of a property, the protected tree shall be replaced with a

1 total of three replacement trees that may include a selection of replacement trees under
2 subsections 107-371(d)(1) and (d)(2), and shall include at least one replacement trees under
3 subsection 107-371(d)(2).

4 (b) If the protected tree is not located within an area specified in subsection 107-374(a), the
5 protected tree shall be replaced by one replacement tree under either subsection 107-371(d)(1)
6 or subsection 107-371(d)(2).

7 (c) If the protected tree trunk straddles an area specified in subsection 107-374(a), the protected
8 tree is deemed to be in the area specified in subsection 107-374(a) if more than half of the
9 diameter of the tree is within the area specified in subsection 107-374(a).

10 (d) If the city arborist determines under subsection 107-373(b)(3) that an emergency existed at
11 the time of removal that necessitated expedited removal or an applicant provides
12 documentation from a certified arborist that a protected tree is diseased, dead, or poses an
13 imminent or immediate threat to persons or property due to natural causes only and the
14 protected tree falls under subsection ~~107-374~~107-375 (a), the city arborist may reduce the
15 replacement tree requirement to one replacement tree under either subsection 107-371(d)(1)
16 or subsection 107-371(d)(2).

17 (e) If the city arborist determines that an applicant provides sufficient documentation from a
18 certified arborist that a protected tree is diseased, dead, or poses an imminent or immediate
19 threat to persons or property due to natural causes only, and also not as a result of intentional
20 bleaching, root cutting, or pruning more than 25% of the canopy, and that the certified arborist
21 has documented at least two prior actions performed by the certified arborist within the
22 previous three years to mitigate the condition, the city arborist may reduce or waive the
23 replacement tree requirement for the protected tree and reduce or waive the tree replacement
24 application fee.

25 (f) If a protected tree is required to be removed under section 18-209, the city arborist may reduce
26 or waive the replacement tree requirement for the protected tree and reduce or waive the tree
27 replacement application fee.

28 (eg) The mayor may act to waive the replacement tree requirement under this subsection 107-
29 374(d) for a storm event, wildfire or other calamity that causes widespread or costly damage
30 to multiple protected trees throughout the city.

31 (~~fh~~) For a permit filed with an application for development of any improvements or structures,
32 if the density of protected trees in an area described in subsection 107-374(b) is greater than
33 seven protected trees, the number of replacement trees required under subsection 107-374(b)
34 for a removal from such area is capped at seven replacement trees, at least three of which shall
35 meet the requirements of subsection 107-371(d)(2).

36 (~~gi~~) If a protected tree has a trunk on a first property and roots and canopy that extend into a
37 second property, the owner of the second property is required to obtain a tree removal permit
38 for removal of the protected tree prior to performing any actions that constitute removal under
39 subsection 107-371(f) on the second property. For purposes of determining removal under this
40 subsection for 107-371(f), damage to the root system is assessed within the area that is a
41 number of feet in diameter from the outer edge of the tree trunk at four and one-half feet from
42 the ground based on a ratio of one foot for each inch of diameter of the tree trunk. If the actions
43 by the owner of the second property as to the protected tree trigger a requirement for the owner

1 of the first property to apply for a tree removal permit for the protected tree, the application
2 review fee as to the protected tree on the first property is waived.

3
4 Sec. 107-376. - Development application requirements.

5
6 (a) An application for a building permit must:

7 (1) Include a tree survey and protection plan of all existing trees on the property that are at
8 least 12 inches in diameter measured four and one-half feet above the ground;

9 (2) Include a grading and tree protection plan for protecting all protected trees that are not
10 approved for removal;

11 (3) Demonstrate that the design will preserve the existing natural character of the landscape
12 as to any protected trees not approved for removal; and

13 (4) Include a tree removal permit application with required fees for review of each proposed
14 removal of a protected tree.

15 (b) The building official may not release or renew a building permit until the city arborist issues
16 a tree removal permit for each protected tree proposed to be removed.

17
18 **Section 2.** If any provision of this Ordinance is found by a court of competent jurisdiction to be
19 void or unenforceable, such void or unenforceable provision shall be severed as though it never
20 formed a part of this Ordinance, and all other provisions hereof shall remain in full force and
21 effect.

22
23 **Section 3.** This Ordinance shall be effective immediately upon approval and adoption by the
24 City Council.

25
26 PASSED AND APPROVED BY THE CITY COUNCIL OF ROLLINGWOOD, TEXAS, on the
27 16th day of December 2020.

28
29
30 _____
31 Michael R. Dyson, Mayor

32 ATTEST:
33
34 _____
35 Ashley Wayman, City Secretary

Ashley Wayman

From: Carrie Caylor
Sent: Wednesday, December 9, 2020 1:48 PM
To: Ashley Wayman
Subject: FW: 4830 Rollingwood Drive

For the packet for 4830 Rollingwood Drive.

Best,

Carrie Caylor
Director of Development
City of Rollingwood
512.327.1838
www.rollingwoodtx.gov



From: David Brasich <dbrasich@rollingwoodtx.gov>
Sent: Wednesday, December 9, 2020 10:32 AM
To: Carrie Caylor <ccaylor@rollingwoodtx.gov>
Subject: Re: 4830 Rollingwood Drive

Carrie

113 feet between posts

David Brasich
MCP, CBO ,RAS , CFM
Director of Public Works
City of Rollingwood
737-218-8272
dbrasich@rollingwoodtx.gov

On Dec 9, 2020, at 10:03 AM, David Brasich <dbrasich@rollingwoodtx.gov> wrote:

Sure

Get [Outlook for iOS](#)

From: Carrie Caylor <ccaylor@rollingwoodtx.gov>
Sent: Wednesday, December 9, 2020 9:51:22 AM
To: David Brasich <dbrasich@rollingwoodtx.gov>
Subject: 4830 Rollingwood Drive

Hey David,

Do you think that Public Works could go by 4830 Rollingwood Drive and measure the distance between the stop sign and the no parking sign that is located on Edgegrove? I think that no parking sign is incorrect, and it is going to be up for discussion at the Council meeting next week.

Kind Regards,

Carrie Caylor

Director of Development

City of Rollingwood

512.327.1838

www.rollingwoodtx.gov

<image001.png>

Sec. 32-38. - No parking signs.

The city council has directed the placement, replacement, and maintenance of no parking signs as follows:

- (1) *Bee Cave Woods Drive*. Along both sides of Bee Cave Woods Drive beginning at its intersection with Bee Cave Road and terminating at the end of the city's jurisdictional limit.
- (2) *Bettis Boulevard*. On the north and south curbs of Bettis Boulevard, in the 2300 block of Bettis Boulevard, from one-half hour after sunset to one-half hour before sunrise.
- (3) *Edgegrove Drive*.
 - a. On the east curb of Edgegrove Drive between Bee Cave Road and extending 625 feet toward Timberline Drive.
 - b. On the west curb of Edgegrove Drive between Bee Cave Road and South Crest Drive.
- (4) *Gentry Avenue*. On the north curb of Gentry Avenue from Rollingwood Drive to Nixon Drive and on the south curb of Gentry Avenue from Rollingwood Drive for a distance of 150 feet.
- (5) *Hatley Drive*. On the east and west curbs of Hatley Drive between Wallis Drive and Ashworth Drive.
- (6) *Nixon Drive*. On the west curb of Nixon Drive between Gentry Avenue and Park Hills Drive.
- (7) *Riley Road*. On the east curb of Riley Road between Timberline Drive and Rollingwood Drive. Such no parking zone shall be designated as a tow-away zone by a temporary sign and shall be in effect on any date of the Austin City Limits Music Festival when held at Zilker Park or on any other days designated by a separate resolution adopted by the city council.
- (8) *Rollingwood Drive*. On the north curblines of Rollingwood Drive between Wallis Drive and Gentry Avenue.
- (9) *Rollingwood Drive*. On the north and south curbs of Rollingwood Drive from its intersection with Riley Road in a southeasterly direction and terminating at the end of the city's jurisdictional limit. Such no parking zone shall be designated as a tow-away zone by a temporary sign and shall be in effect on any date of the Austin City Limits Festival when held at Zilker Park or on any other days designated by a separate resolution adopted by the city council.
- (10) *Timberline Drive*. On the north curb of Timberline Drive between Riley Road and Rollingwood Drive. Such no parking zone shall be designated as a tow-away zone by a temporary sign and shall be in effect on any date of the Austin City Limits Music Festival when held at Zilker Park or on any other days designated by a separate resolution adopted by the city council.
- (11) *Wallis Drive*. On the west curb of Wallis Drive, 250 feet north of the north curblines where it intersects with Rollingwood Drive.

(Code 1987, ch. 9, subch. A, § 7(b); Code 1995, § 12.02.047)

Ashley Wayman

From: Carrie Caylor
Sent: Tuesday, December 15, 2020 10:27 AM
To: Ashley Wayman
Subject: Fwd: 4830 Rollingwood Dr. - Guest Parking Variance

Can you drop this in the Council packet for 4830 Rollingwood Drive?

Best,

Carrie

Sent from my iPhone

Begin forwarded message:

From: Kristin Schieffer <Kristin@cornerstonearchitectsllp.com>
Date: December 15, 2020 at 8:27:42 AM CST
To: Carrie Caylor <ccaylor@rollingwoodtx.gov>
Cc: Zack Mills <zmills@harrierproperties.com>, Rodney Palmer <Rodney@cornerstonearchitectsllp.com>
Subject: 4830 Rollingwood Dr. - Guest Parking Variance

Good Morning,

Thank you for your time discuss the dimensions for the Guest Parking in detail. The current dimensions on the Site Plan reflect the width of 20', and then the depth : from the edge of planter to the property line at both ends of the parking area. (18'-2" & 16'-0 1/2")

Please let me know if you need anything else.

Thank you,
kristinschieffer
projectmanager

office: 512.329.0007
direct: 512.220.6298



Confidentiality Warning: This email may contain confidential or proprietary business information and is for the sole use of the intended recipient(s). Any unauthorized use or disclosure of this communication, including attachments, is strictly prohibited.

AGENDA ITEM SUMMARY SHEET

City of Rollingwood

Meeting Date: November 18, 2020

Submitted By:

Director of Development Carrie Caylor

Agenda Item:

Discussion and possible action to approve or deny the site development plan for Western Hills Athletic Club.

Description:

Section 107-242 (3) of the park zoning code requires that no fences or landscaping required under this section shall be installed without prior approval of the plans by city council. The plans propose a reconfiguration of the tennis courts to add two (2) additional playing courts, new fencing around the courts, and landscaping.

Action Requested:

I request that the City Council either vote to approve the building plans or give guidance to the applicant for any necessary amendments to the submitted plans.

This application packet is administratively complete and meets the administrative requirements for approval.

Fiscal Impacts:

N/A

Attachments:

- Building application
- Site plan
- Building plan review by ATS for IBC code review
- TCEQ approval
- Tree Removal Application
- Tree Removal List
- Memorandum



MEMORANDUM

To: City Administrator Amber Lewis

From: Carrie Caylor
Director of Development

Date: November 13, 2020

Re: 4901 Rollingwood Drive

Western Hills Athletic Club submitted an application to add two additional tennis courts, install new landscaping, replace fencing and make drainage improvements. I support the approval of this plan for the following reasons:

- The plan is consistent with existing use.
- There is no measurable increase in traffic that would negatively impact ingress/egress.
- There are no negative fiscal impacts.

The site currently has two tennis courts. The applicant proposes demolishing the existing courts and reconfiguring the site to add two more. They will be installing French drains and buried detention families. New landscape to support the redesign is included in the plan, and the new courts will have new fencing installed.

I had the applicant complete the residential tree removal application as a way to document the tree removal associated with this plan. I request that the City Council offer guidance for replacement, as the Residential Tree Canopy Protection Ordinance does not cover the park zoning district; and because we have no formal process for permitting tree removal in the park zoning district.



THE CITY OF ROLLINGWOOD

Phone +1 (512) 327-1838

403 Nixon Dr, Rollingwood, TX 78746-5512

www.rollingwood.com

THE CITY OF ROLLINGWOOD
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 403 Nixon Dr. Rollingwood, TX 78746-5512
 www.rollingwoodtx.gov



Permit #: 3867
 Date: 10/7/2020

COMMERCIAL PLAN REVIEW RECORD 2015 IBC/ IEBC/ IECC/ IMC/ IPC/ IFGC, 2014 NEC

PERMIT APPLICANT: Sang McDonnell

BUILDING LOCATION: Western Hills Athletic Club, 4801 Rollingwood Drive

SCOPE OF WORK: Demolition of existing tennis courts, volleyball court, existing fence. Please see demo sheet for full list. New tennis courts, retaining walls, fencing, landscaping elements, and associated drainage improvements.

Construction Type: V-B
Use Group: A-4 (Tennis Courts)
Separated: N/A
Sprinklered: No
Occupant Load: 30

REVIEWED BY: Richard Emerson, ATS Engineers, Inspectors & Surveyors (512) 328-6995

REVIEW – APPROVED

Documentation Submitted

	Document Date	Sheet(s)	A/E Name	Registration
Site Plan	7/7/2020	101, 301	Matthew Rector, Sr., PE	122861
Architecture	7/7/2020	191	Matthew Rector, Sr., PE	122861
Demolition	7/7/2020	201	Matthew Rector, Sr., PE	122861
Structural	7/7/2020	181	Matthew Rector, Sr., PE	122861
Irrigation	7/7/2020	801	Matthew Rector, Sr., PE	122861

Required Inspections

1. Retaining Wall footing and Special Inspections by engineer, letter turned into city
2. Fence and Gate inspection
3. Final Building and Irrigation inspection

Plan Review Limitations

This plan review does not cover Civil Site, Dark Sky, Fire, Health, Irrigation, Landscape, Parking, Security, Signage, Technology or Zoning.

This plan review describes observations made by ATS in consideration of the referenced codes and does not include recommendations for remedial actions. No independent design or engineering analyses of the architectural, fire protection, structural, mechanical, electrical, plumbing or energy systems has been performed to verify the suitability or performance of the proposed systems, features, and components.

ATS makes no warranties or guarantees, either expressed or implied, that all items of a deficient nature and/or improper construction techniques, etc. have been discovered and commented upon in this plan review. This plan review has been prepared to identify the current code deficiencies observed and should not be considered an exhaustive description of every item that may require correction and/or clarification.

Review and acceptance of these plans for construction does not alleviate the responsibility of the design professional(s) and contractor(s) to comply with the code in its entirety. Field verification must also be completed to ensure compliance with jurisdiction-adopted code(s), ordinances and requirements of other authorities having jurisdiction. ATS has been engaged as a "Building Official" with regard to providing plan review services and inspections and has proceeded as such with the express understanding that the provisions of IBC Section 104 govern its limitations of liability.

Numerals indicated in parenthesis are applicable code sections of the 2015 International Building Code. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgment in evaluating construction documents for code compliance.

Items identified as "**Response required**" shall comply with IBC, Section 107.2.1: Information on construction documents. Construction documents shall be dimensioned and drawn upon suitable material. Electronic media documents are permitted to be submitted when approved by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the building official.

CORRECTION LIST

No.	Description	Code Section
GENERAL & ADMINISTRATIVE		
1	<p>This plan review has been performed in accordance with the City of Rollingwood adopted codes: 2015 Edition of the International Building, Energy Conservation, Fuel-Gas, Mechanical, Plumbing and 2014 National Electric Code.</p> <p>This plan review does not cover Civil Site, Dark Sky, Fire, Health, Landscape, Parking, Security, Signage, Technology or Zoning.</p> <p>Items in this review stating "Response required" shall be provided as Construction documents and shall be dimensioned and drawn upon suitable material. Electronic media documents are permitted to be submitted when approved by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the building official.</p>	<p>City of Rollingwood Ord. 2016-11-16(A), Sec. 3.02.101, 3.02.201, 3.02.251, 3.02.301, 3.02.351, IBC 107.2.1</p>

2	<p>No response required.</p> <p>Please note: [F] 501.2 Address identification. New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 4 inches (102 mm) high with a minimum stroke width of 1/2 inch (12.7 mm). Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other approved sign or means shall be used to identify the structure. Address identification shall be maintained.</p> <p>Inspector will site verify.</p>	501.2
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ARCHITECTURE		
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3	<p>Please note the following regarding gates:</p> <p>1010.2 Gates. Gates serving the means of egress system shall comply with the requirements of this section. Gates used as a component in a means of egress shall conform to the applicable requirements for doors.</p> <p>Inspector will site verify.</p>	1010.2
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4	<p>Regarding the Means of Egress:</p> <p>Walking surfaces of the <i>means of egress</i> shall have a slip-resistant surface and be securely attached.</p> <p>Inspector will site verify.</p>	1003.4
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5	<p>Please ensure Gate Hardware complies with this section.</p> <p>1010.1.9.3 Locks and latches. Locks and latches shall be permitted to prevent operation of doors where any of the following exist:</p> <ol style="list-style-type: none"> 1. Places of detention or restraint. 2. In buildings in occupancy Group A having an occupant load of 300 or less, Groups B, F, M and S, and in places of religious worship, the main door or doors are permitted to be equipped with key-operated locking devices from the egress side provided: <ol style="list-style-type: none"> 2.1. The locking device is readily distinguishable as locked. 2.2. A readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. The sign shall be in letters 1 inch (25 mm) high on a contrasting background. 2.3. The use of the key-operated locking device is revocable by the building official for due cause. 3. Where egress doors are used in pairs, approved automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts does not have a doorknob or surface-mounted hardware. 4. Doors from individual dwelling or sleeping units of Group R occupancies having an occupant load of 10 or less are permitted to be equipped with a night latch, dead bolt or security chain, provided such devices are operable from the inside without the use of a key or tool. 5. Fire doors after the minimum elevated temperature has disabled the unlatching mechanism in accordance with listed fire door test procedures. <p>1010.1.10 Panic and fire exit hardware. Doors serving a Group H occupancy and doors serving rooms or spaces with an occupant load of 50 or more in a Group A or E occupancy shall not be provided with a latch or lock other than panic hardware or fire exit hardware.</p> <p>Exceptions:</p> <ol style="list-style-type: none"> 1. A main exit of a Group A occupancy shall be permitted to be locking in accordance with Section 1010.1.9.3, Item 2. 2. Doors serving a Group A or E occupancy shall be permitted to be electromagnetically locked in accordance with Section 1010.1.9.9. <p>Electrical rooms with equipment rated 1,200 amperes or more and over 6 feet (1829 mm) wide, and that contain over-current devices, switching devices or control devices with exit or exit access doors, shall be equipped with panic hardware or fire exit hardware. The doors</p>	1010.9.3, 1010.1.10
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shall swing in the direction of egress travel.

Door hardware is subject to review and approval by the Inspector.

ACCESSIBILITY

6	<p>An accessible route is required to both sides of the court without leaving the immediate area.</p>	1110.4.4
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1110.4.4 Court sports. In court sports, at least one accessible route shall directly connect both sides of the court.

Inspector will site verify.

STRUCTURAL

7	<p>Contractor is to notify city of damage to any structural member(s) while in the course of demolition and/ or construction.</p>	110.3.8
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8	<p>Special Inspections required by Chapter 17 are the responsibility of the engineer of record.</p>	1704.2.4
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1704.2.4 Report requirement. Approved agencies shall keep records of special inspections and tests. The approved agency shall submit reports of special inspections and tests to the building official and to the registered design professional in responsible charge. Reports shall indicate that work inspected or tested was or was not completed in conformance to approved construction documents. Discrepancies shall be brought to the immediate attention of the contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the building official and to the registered design professional in responsible charge prior to the completion of that phase of the work. A final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests, shall be submitted at a point in time agreed upon prior to the start of work by the owner or the owner's authorized agent to the building official.

Letters of Concurrence must be turned in to the city prior to Final Inspection.

END OF REPORT

TREE REMOVAL LIST

TREE TAG	TREE TYPE	SIZE (INCHES)	REASON FOR REMOVAL/MITIGATION
.6910	Chinaberry	9.00	Invasive
.6912	Ligustrum	11.00	Invasive
!0033	Chinaberry	9.00	Invasive
!0038	Chinaberry	15.00	Invasive
!0047	Live Oak	12.00	Construction
!0088	Live Oak	14.00	Construction
!0089	Live Oak	11.00	Construction
!0093	Live Oak	18.00	Construction
!0094	Live Oak	12.00	Construction
!0095	Live Oak	10.00	Construction
!0096	Live Oak	11.00	Construction
!0097	Live Oak	9.00	Construction
!0098	Live Oak	12.00	Construction
!0099	Live Oak	15.00	Construction
!0100	Live Oak	12.00	Construction
!0101	Live Oak	13.00	Construction
!0102	Live Oak	27.50	Construction
!0103	Live Oak	20.00	Construction
!0105	Cedar Elm	15.00	Construction
!0106	Live Oak	10.00	Construction
!0107	Live Oak	12.00	Construction
!0108	Live Oak	7.00	Construction
!0109	Live Oak	12.00	Construction
	TOTAL INCHES REMOVED	296.50	



TREE REMOVAL PERMIT APPLICATION

SECTION 1

PROPERTY OWNER
Property Owner <u>Western Hills Athletic Club</u>
Mailing Address <u>4801/4800 Rollingwood Dr.</u> <u>West Lake Hills, TX 78746</u>
Email _____
Phone <u>512-3276373</u>
Type of Property: <input type="checkbox"/> Residential <input type="checkbox"/> Public property, right of way, public easement <input checked="" type="checkbox"/> Other

APPLICANT INFORMATION
Applicant <input type="checkbox"/> (check box and skip this section if the Applicant is also the property owner)
<input type="checkbox"/> contractor/arborist <input type="checkbox"/> property manager <input checked="" type="checkbox"/> other authorized representative
Name <u>Mark Vaughan</u> Company <u>MWM Design Group</u>
Mailing Address <u>305 E Huntland Dr Ste 200 Austin, TX 78752</u>
Email <u>markv@mwmdesigngroup.com</u>
Phone <u>512-689-5088</u>
License Type & Number (if applicable) _____

TREE REMOVAL SERVICE PROVIDER
<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> City Registered tree removal permit holder _____

REPLACEMENT TREE PLANTING SERVICE PROVIDER
<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Landscaper or other _____

CHECK ONE PERMIT TYPE BELOW

SECTION 2

STANDARD TREE REMOVAL & REPLANTING PERMIT APPLICATION
<input checked="" type="checkbox"/> I am applying for a standard Tree Removal Permit Application

EMERGENCY TREE WORK/RETROACTIVE PERMIT APPLICATION
<input type="checkbox"/> I had to remove the tree(s) and/or portion of tree(s) because the actively failing condition and location(s) and/or portion of the tree(s) presented such a clear and present immediate danger to structures or to the health and safety of the public that there was insufficient time to obtain a tree permit. I am submitting this application within 7 days of the work in order to receive a retroactive Tree Permit. I have included photographic evidence or other documentation of the hazardous portion(s) of the tree(s) of the clear and immediate danger that created the emergency. NOTE- The property owner or authorized representative and/or tree care provider may be found in violation of City code if it is determined that regulated trees were removed without a permit and the owner/applicant is unable to demonstrate the emergency.

INTERNAL USE – DATE RECEIVED _____ REC BY _____ # _____ TO ARB _____

TREE IDENTIFICATION AND PLAN

SECTION 3

TREE INFORMATION – Mark the trees identified in this application with ribbon for identification
Total # trees requested for removal: _____ Color/Type of ribbon: _____
<i>For the trees identified below, please include a photo showing the circumference measurement around the trunk at 4.5 feet above the ground of each protected tree</i>
<i>Attach additional copies of this page as needed for additional trees</i>

(A) Fill out the following table identifying each protected tree in the following locations, and each required replacement tree:

- PROTECTED TREES within residential “BUILDABLE SPACE” (located OUTSIDE a setback having a width greater than 10 ft); OR
- PROTECTED TREES within PUBLIC PROPERTY, RIGHT OF WAY, OR PUBLIC EASEMENT

#	PROTECTED TREE LIST SPECIES	TRUNK DIAMETER (INCHES) = CIRC/3.14	REASON FOR REMOVAL (A) LANDSCAPE;OR (B) DEAD/DYING/DANGEROUS	PROPOSED REPLACEMENT TREE SPECIES = 1 TREE, BASED ON REPLANTING LOCATION, FROM (A) THE PROTECTED TREE LIST; OR (B) THE 20FT TREE LIST (APPLICABLE IF PLANTED WITHIN 20 FT OF ABOVE-GROUND UTILITY LINE)	REPLACEMENT TREE SIZE (A) PROTECTED TREE DIAMETER (CAP AT 6 IN) = .25 * PROTECTED TREE DIAMETER (B) 20 FT TREE = 8 FT TALL (OR COMP)
A1					
A2					
A3					
A4					
A5					
A6					
A7					
A8				CAPPED	(SEE NOTE A BELOW)
A9				CAPPED	-
A10				CAPPED	-

(B) Fill out the following table identifying each protected tree in the following locations, and each required replacement tree:

- PROTECTED TREES within residential “GREEN SPACE” (located WITHIN a setback having a width greater than 10 ft); OR

#	PROTECTED TREE LIST SPECIES	TRUNK DIAMETER (INCHES) = CIRC/3.14	REASON FOR REMOVAL (A) LANDSCAPE;OR (B) DEAD/DYING/DANGEROUS (SEE NOTE B BELOW)	PROPOSED REPLACEMENT TREE SPECIES = 3 TREES, BASED ON REPLANTING LOCATION: (A) AT LEAST 1 FROM THE PROTECTED TREE LIST; AND (B) AT MOST 2 FROM THE 20FT TREE LIST (APPLICABLE IF PLANTED WITHIN 20 FT OF ABOVE-GROUND UTILITY LINE)	REPLACEMENT TREE SIZE (A) PROTECTED TREE DIAMETER (CAP AT 6 IN) = .25 * PROTECTED TREE DIAMETER (B) 20 FT TREE = 8 FT TALL (OR COMP)
B1a					
B1b					
B1c					
B2a					
B2b					
B2c					
B3a					
B3b					
B3c					
B4a					
B4b					
B4c					

PROTECTED TREE LIST (FOR REMOVAL AND REPLANTING)	20 FT TREE LIST (FOR REPLANTING WITHIN 20 FT OF ABOVE-GROUND UTILITY LINE)
<ul style="list-style-type: none"> - ASH, TEXAS - CYPRESS, BALD - ELM, AMERICAN - ELM, CEDAR - MADRONE, TEXAS - MAPLE, BIGTOOTH - ALL OAKS - PECAN - WALNUT, ARIZONA - WALNUT, EASTERN BLACK 	<ul style="list-style-type: none"> - ANACACHO ORCHID TREE - COMMON TREE SENNA - CRAPE MYRTLE (DWARF) - DESERT WILLOW - EVERGREEN SUMAC - EVE’S NECKLACE - FLAMELEAF SUMAC - GOLDENBALL LEADTREE - MEXICAN BUCKEYE - MEXICAN PLUM - POSSUMHAW HOLLY - ROUGH LEAF DOGWOOD - TEXAS MOUNTAIN LAUREL - TEXAS PERSIMMON - TEXAS PISTACHE - TEXAS REDBUD - WAX MYRTLE - YAUPON HOLLY

NOTE A – If more than 7 protected trees are listed under section 3(A) and the replacement tree requirement is capped, at least 3 of the replacement trees in section 3(A) must be selected from the PROTECTED TREE LIST (City Code 3.05.009)

NOTE B – In accordance with City Code The City Arborist may reduce the required number of replacement trees for a protected tree under section 3(B) from 3 replacement trees to 1 replacement tree if the City Arborist determines the application qualifies as an “Emergency Tree Work/Retroactive Permit Application” or if the Applicant provides sufficient documentation from a certified Arborist that the protected tree is diseased, dead, or poses an imminent or immediate threat to persons or property due to natural causes only. (City Code 3.05.009(d))

(C) GOOD NEIGHBOR REPLANTING

Check here if submitting Good Neighbor Replanting forms for one or more of the Replacement Trees in Section 3(A) and Section 3(B)

Provide a statement below to how the benefit to residents of the City by replanting on the Neighbor property would be as great as replacement on the Applicant’s property (or attach a statement)

Identify the tree numbers/species from section 3(A) or 3(B) to be planted on a neighbor property, neighbor name, and attach the signed Good Neighbor Planting Consent form for each property.

TREE #	REPLACEMENT TREE SPECIES	NEIGHBOR NAME

(D) TREE PLAN

- A. Draw your property (and any Good Neighbor replanting properties) with tree plan in the space below or attach a tree plan drawing
- B. Tree plan must show:
 - Existing trees
 - Location and species of trees proposed for removal
 - Location and species of trees proposed for replanting
 - Distance between tree proposed for replanting and any other trees or structures
- C. Street names, property lines, building(s) outline, driveway, and/or any other pertinent information relevant to tree replanting and survival feasibility



SECTION 5

Acknowledgement Statement

I Mark Vaughan, the property owner or authorized representative, complying with the following statements.

I certify that the facts and information set forth in this application are true and complete to the best of my knowledge. I understand that any falsification, misrepresentation or omission of fact (whether intentional or not) in this application or any other required document, as well as any misleading statement or omission, may be cause for revocation of the permit, regardless of how or when discovered. I certify that I have done my due diligence to determine that I do need to submit a Tree Removal Permit Application, and understand that the application fee is non-refundable if in fact a permit is not required. I have marked the trees requested for removal with ribbon for identification.

I agree to comply with City of Rollingwood Code 3.05, Division 2 and City Code 8.06 regarding tree removal and replacement. I understand that submitting an application does not entitle me to a permit and I must have physical possession of the permit before beginning any work. Failure to obtain a permit or violating the terms of a permit may result in civil penalties up to \$2000 per tree per day in accordance with City Code Title 3.05.014; additional fines may also apply. I agree to hold harmless the City of Rollingwood, its agents, officers, and employees for any damage or injury caused by reason of planting, placement, maintenance, or removal of trees.

If a Tree Removal Permit is granted, I agree to meet all tree planting requirements as outlined in the conditions of the permit. I understand that planting Replacement Trees is a condition of a tree removal permit. I understand that I am responsible for the successful establishing of the Replacement Trees.

The property owner or authorized representative hereby give permission to the City of Rollingwood and its agents, officers, and employees to enter the property for the purpose of tree inspection prior to permit issuance and for replanting compliance inspection after the permit is issued.

If the trunk of the protected tree(s) straddles the property line, all owners must sign the removal application. The neighboring property owner must consent to the tree(s) removal by signing below.

By signing below, I hereby acknowledge I understand and will comply with the statements above and that I am the owner of the property or an authorized representative.

Signature (required) Mark Vaughan Date: 11/9/20

If applicable, Neighboring Owner signature _____ Date: _____

Please make checks out to: City of Rollingwood

Submit applications in one of two ways:

- (1) In person at Rollingwood City Hall @ 403 Nixon Drive
- Or
- (2) Mail application and fee to: 403 Nixon Drive, Rollingwood, Texas 78746

Need help? Call City Hall at 512-327-1838 or visit during regular Office Hours (M-F)

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 8, 2020

Ms. Catherine Scott
Western Hills Athletic Club
4801 Rollingwood Dr.
Austin, Texas 78746

Re: Edwards Aquifer, Travis County

NAME OF PROJECT: Western Hills Athletic Club, Located at 4801 Rollingwood Dr., West Lake Hills, Texas

TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11002131; Regulated Entity No. RN106890072

Dear Ms. Scott:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Application for the above-referenced project submitted to the Austin Regional Office by MWM Design Group on behalf of Western Hills Athletic Club on July 22, 2020. Final review was completed after additional material was received on September 18, 2020 and October 7, 2020. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

BACKGROUND

The original WPAP exception request approved by letter dated November 8, 2013 (EAPP ID No. 11-13082702) included the construction of recreational facilities, vegetative filter strips, and a rainwater harvesting system to treat a net increase in the impervious cover (IC) area of 0.07 acres, for a total IC of 1.30 acres.

The Modification approved by letter dated March 10, 2015 (EAPP ID No. 11-15012901) included the construction of a bioretention pond to replace the originally approved BMPs, with no

changes in the proposed improvements. Additionally, the bioretention pond captures and treats the runoff from the parking lot that was built prior the EAPP rules.

PROJECT DESCRIPTION

The proposed non-residential project will have an area of approximately 3.21 acres. It will include the construction of two additional tennis courts and replacement of the existing two, an underground detention pond, and a JellyFish filter for runoff treatment of the additional IC increase of 0.30 acres. The total impervious cover will be 1.60 acres (49.84 percent).

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a JellyFish filter (JF4-2-1), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 261 pounds of TSS generated from the 1.60 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

GEOLOGY

According to the Geologic Assessment (GA) included with the application, the surface geology of the area consists of Georgetown Formation. No sensitive features were identified in the GA. The TCEQ site assessment conducted on September 16, 2020 revealed the site to be generally as described by the GA.

SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.
- III. This WPAP approval authorizes construction of the two additional tennis courts and replacement of the existing two, an underground detention pond, and a JellyFish filter. Regulated activities outside the scope of the approved plans must obtain approval of an Edwards Aquifer Protection Plan or modification prior to the commencement of those regulated activities. An accounting of the impervious cover must be included with each application.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the Austin Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.
5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
6. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.

Ms. Catherine Scott

Page 4

October 8, 2020

12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
13. No wells exist on site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.
19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

Ms. Catherine Scott
Page 5
October 8, 2020

21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Ms. Mihaela (Miki) Chilarescu of the Edwards Aquifer Protection Program of the Austin Regional Office at (512) 339-2929.

Sincerely,



Robert Sadlier, Section Manager
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality

RCS/mec

Enclosure: Deed Recordation Affidavit, Form TCEQ-0625
Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

**Deed Recordation Affidavit
Edwards Aquifer Protection Plan**

THE STATE OF TEXAS §

County of _____ §

BEFORE ME, the undersigned authority, on this day personally appeared _____ who, being duly sworn by me, deposes and says:

- (1) That my name is _____ and that I own the real property described below.
- (2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on _____.

A copy of the letter of approval from the TCEQ is attached to this affidavit as Exhibit A and is incorporated herein by reference.

- (4) The said real property is located in _____ County, Texas, and the legal description of the property is as follows:

LANDOWNER-AFFIANT

SWORN AND SUBSCRIBED TO before me, on this __ day of _____, _____.

NOTARY PUBLIC

THE STATE OF _____ §

County of _____ §

BEFORE ME, the undersigned authority, on this day personally appeared _____ known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this __ day of _____, _____.

NOTARY PUBLIC

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: _____

**Change in Responsibility for Maintenance
on Permanent Best Management Practices and Measures**

The applicant is no longer responsible for maintaining the permanent best management practice (BMP) and other measures. The project information and the new entity responsible for maintenance is listed below.

Customer: _____

Regulated Entity Name: _____

Site Address: _____

City, Texas, Zip: _____

County: _____

Approval Letter Date: _____

BMPs for the project: _____

New Responsible Party: _____

Name of contact: _____

Mailing Address: _____

City, State: _____ Zip: _____

Telephone: _____ FAX: _____

Signature of New Responsible Party Date

I acknowledge and understand that I am assuming full responsibility for maintaining all permanent best management practices and measures approved by the TCEQ for the site, until another entity assumes such obligations in writing or ownership is transferred.

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.



COMMERCIAL SITE PLAN DEVELOPMENT APPLICATION

Application is hereby made to the City of Rollingwood, Texas, for a permit to revise the site plan on the property as outlined below and in accordance with the plans and specifications submitted herewith, and in full conformity with provisions and regulations of all ordinances of the City of Rollingwood.

Address 4801 Rollingwood Dr _____ Zoning _____

Legal Description: Lot 1 _____ Block _____ Subdivision Western Hills Athletic Club Addition _____

Owner of Ground Western Hills Athletic Club _____

Owner Address 4801 Rollingwood Dr. _____ City/State/Zip Rollingwood TX 78752 _____

Telephone (512) 327-6373 _____ Fax _____ Email _____

Engineer/Architect MWM Design Group _____

Address 305 E Huntland Dr Ste 200 _____ City/State/Zip Austin TX 78752 _____

Telephone (512) 453-0767 _____ Email dcazares@mwmdesigngroup.com _____ Contact David Cazares _____

Contractor/Builder _____

Address _____ City/State/Zip _____

Telephone _____ Email _____ Contact _____

TDLR Project Registration # (>\$50,000 Projected Cost) _____

Permit Type: Yes Site Plan Development

Sq Ft of Impervious Cover Prior to Project Please see site plan sheet 12 for full description _____ Project IC Sq Ft/Sq Ft Addition _____ = Total IC Sq Ft 68186.17 SF

Describe Proposed Work: Demolition of existing tennis courts, volleyball court, existing fence. Please see demo sheet for full list.

New tennis courts, retaining walls, fencing, landscaping elements, and associated drainage improvements.

_____ Projected Cost \$ _____

THE UNDERSIGNED DOES SOLEMNLY SWEAR that to the best of their knowledge the above statements concerning this application are true and correct, and the undersigned has reviewed and understands the applicable portions of the Code of Ordinances of the City of Rollingwood, and the undersigned acknowledges that work authorized pursuant to this permit must be performed in conformance with the applicable regulations, including those pertaining to the manner of the performance of the work and restrictions on times when work may be performed. Work performed in violation of the City's regulations may be the subject of a stop-work order or request for injunctive relief, and the undersigned, as permittee, assumes all risk of loss damage or loss to improvements and personal property resulting from a lawful order to cease any work not performed in accordance with applicable regulations.

_____ Owner Certification _____

(Owner Signature)

Sang McDonnell

(Printed Name)

08/31/20

(Date)

Contact _____ Telephone _____ Email _____



Address _____

FEES

Payment of consultant fees: (a) Payment required. All applicants shall pay all consultant fees incurred by the city that are associated with their applications referenced in the following articles (A2.000 and A3.000). No approvals will be issued in connection with their applications until all required fees have been paid to the city, regardless of the method used for collection of such fees. (b) **Payment of deposit.** When consultant fees are anticipated to be substantial, the city secretary or building official upon receipt of an application, may establish a deposit amount that is equivalent to the projected consultant fees to be incurred in connection with the application. The applicant shall deposit this amount with the city prior to any review, inspection, processing or other work being initiated by the city. A revised deposit amount may be established at any time when consultant fees are substantially different than originally projected, and additional amounts payable or refundable will be due at the time of issuance to the applicant of notice of a revised deposit amount. When a deposit is established, the application will not be considered as filed or complete until the deposit is paid. When a deposit is paid, all consultant fees incurred by the city that are associated with the application will be charged against this deposit. Upon completion of the consultant activities, the applicant shall pay any fees incurred by the city in excess of the deposit. Any excess deposit remaining after the payment of all consultant fees will be returned to the applicant.

First Submission:

Site Plan Review Deposit (A1.003)	\$TBD	\$ _____
Balance to be collected after completion of review	\$ _____	\$ _____

TOTAL FILING FEE \$ _____

*Reference: Appendix A Fee Schedule Sec A1.003 Deposit

Cash and checks made payable to "City of Rollingwood" are accepted.
Deliver application, plans and filing fee to:

Carrie Caylor
THE CITY OF ROLLINGWOOD
Phone +1 (512) 327-1838
403 Nixon Dr. Rollingwood, TX 78746-5512
www.rollingwoodtx.gov
Email:ccaylor@rollingwoodtx.gov

City Use

Application Filing Date	City Posting: Not Applicable	Date	ONE Date:	TCEQ Compliance:_____
Owner Notification: Not Applicable	Notification Method		Notification Date_	
Site Plan Review: Not Applicable	City Engineer_	(Date delivered)	_____ (Dates received - Recommendation)	



Address _____

Certification of application notice required for New Construction, Additions and External Remodels. Except as provided at the end of this paragraph, written notice of building permit application shall be given to owners of real property lying within 250 feet of the boundaries of the property for which a building permit is requested to allow for a 15-day public review. The application shall not be considered as having been filed with the city until such notice has been delivered and the certification of notice has been submitted. The notice may be delivered to owners either in person, by registered or certified mail. Whenever the notice is served by mail, three days shall be added to the prescribed period. A sample notice and certification of notice are attached in Word format for the applicant's use. PDG will prepare a list of addresses to which the notice shall be mailed. Notice of a building permit application shall not be required for residential interior remodels where no work is to be done to the exterior of the building, including replacement of bedroom emergency egress windows. Reference: Chapter 14 Zoning Article 14.02 Zoning Ordinance Division 16 Administration Sec 14.02.853 Application for Permit (12) Notice of Application.

Recorded subdivision plat of the property in compliance with the requirements of Article 10.02 showing the property as a platted lot in a platted subdivision and recorded by Travis County Clerk's office. Reference: Chapter 10 Article 10.02 Subdivision ordinance.

Compliance with TCEQ regulations is required by TCEQ for New Construction and Additions on land in the city that is located over the Edwards Aquifer Recharge Zone and which is subject to the Texas Commission on Environmental Quality Edwards Rules located at 30 Texas Administrative Code (TAC) chapter 213, as amended. **Although this is required by TCEQ the City of Rollingwood does not enforce this requirement.** For assistance in complying with the TCEQ rules, please contact the Edwards Aquifer Protection Program, TCEQ Austin Region Office, 512/339-2929. Submit with your application TCEQ's written evidence of compliance or statement that the proposed construction does not constitute a regulated activity. Interior remodel work in an existing structure and swimming pools are excluded from this requirement.

TIA If the proposed project is within the professional and business office district (C-1), business district (C-2) or planned unit development district (PUD), the site plan must be accompanied by a traffic impact analysis prepared by a professional approved by the city, indicating the impact of the project on existing traffic conditions and information on the potential congestion caused by ingress and egress. The site plan shall be accompanied by an approval from the Texas Department of Transportation, if applicable, with regard to the location of points of ingress and egress.

All applicants are urged to review the City's Code of Ordinances which is essential to understanding the regulations and requirements affecting properties in the non-residential zoning districts. This information will also provide guidance for preparation of an informative and complete application. Chapter 14 Zoning Divisions 1-4 provide definitions and requirements for all Zoning Districts. Of Divisions 6-12, review the regulations in the one that is relevant to the property for which a building permit will be requested. Division 16 provides invaluable information for preparing and submitting the Commercial Building Permit Application. Chapter 3 Building Regulations provides specific construction requirements and lists the codes that have been adopted by reference and made a part of the City's Code of Ordinances. Certain Sections of the ordinances are referenced throughout this Checklist as they apply to the items being discussed.

The Ordinances can be accessed by the following link or on the City's website rollingwoodtx.gov by selecting Codes and Regulations, then City Code of Ordinances.

Western Hills Athletic Club

4801 Rollingwood Drive Austin, Texas 78746

SUBMITTAL DATE
DATE: APRIL 24, 2020

OWNER:
WESTERN HILLS ATHLETIC CLUB
4801 ROLLINGWOOD DR
AUSTIN, TEXAS 78746

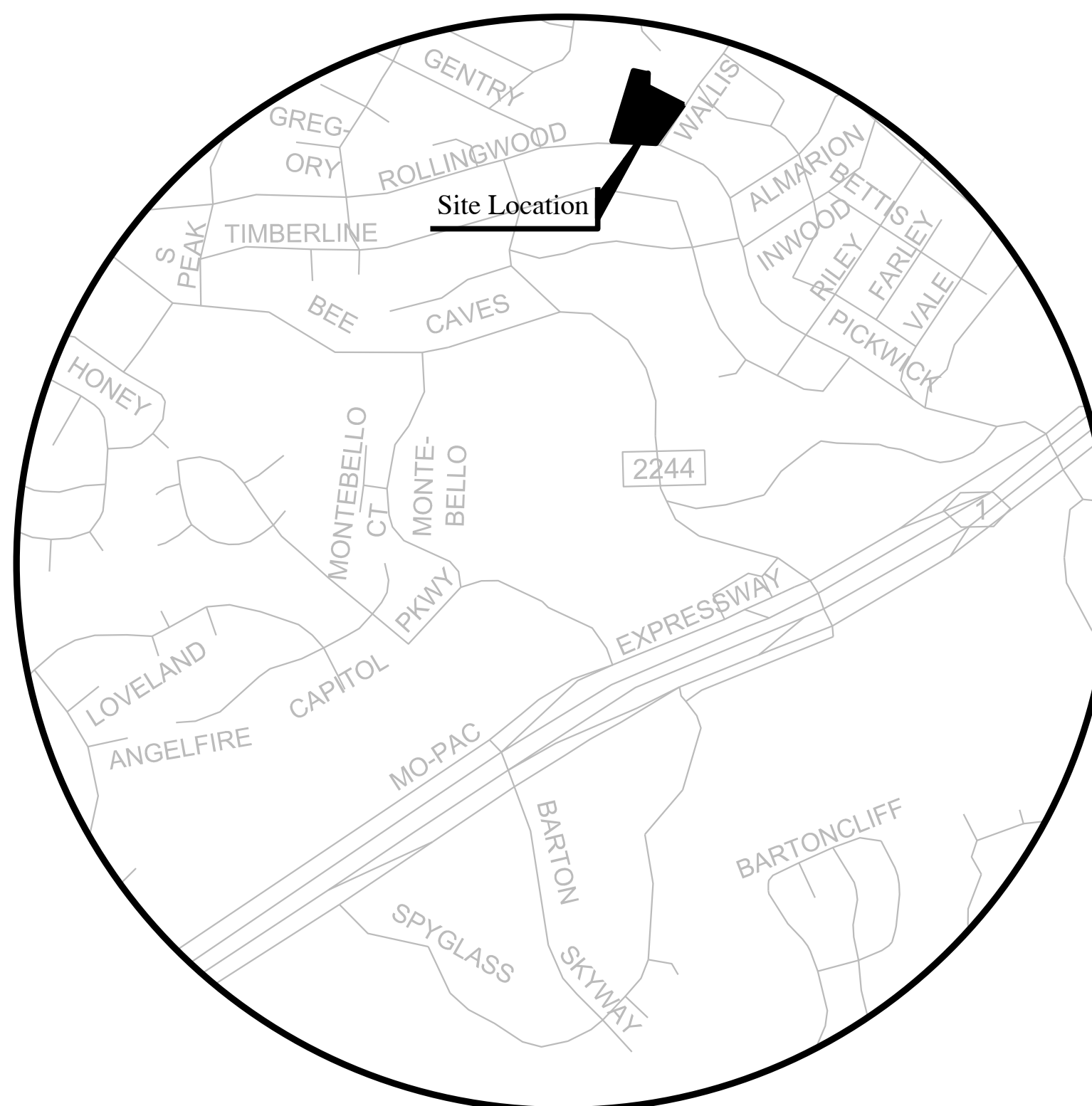
LANDSCAPE ARCHITECT:
MWM DESIGN GROUP, INC.
305 E HUNTLAND DR, STE #200
AUSTIN, TEXAS 78752

CONTACT:
CATHERINE SCOTT, PRESIDENT
(512) 327-6373

CONTACT:
DAVID CAZARES, ASLA, LEED AP
(512) 453-0767

CIVIL ENGINEER / AGENT:
MWM DESIGN GROUP, INC.
305 E HUNTLAND DR, STE #200
AUSTIN, TEXAS 78752

CONTACT:
MATTHEW RECTOR, P.E., CFM
(512) 453-0767



LOCATION MAP

LEGAL DESCRIPTION: LOT 1, WESTERN HILLS ATHLETIC CLUB ADDITION
ZONED: PARK ZONING DISTRICT (P)
PROPOSED IMPERVIOUS COVER: 68186.17 SF, 50%
WATERSHED: LADY BIRD LAKE & EANES CREEK CLASSIFICATION: SUBURBAN

NOTES:

1. THIS SITE LIES WITHIN THE ROLLINGWOOD FULL PURPOSE JURISDICTION.
2. NO PORTION OF THIS SITE IS WITHIN THE 100 YEAR FLOODPLAIN AS PER FEMA FIRM PANEL #48453C0445K, DATED JANUARY 22, 2020.
3. NO CRITICAL ENVIRONMENTAL FEATURES ARE KNOWN TO EXIST WITHIN 150' OF THE PROJECT SITE.
4. THIS SITE IS LOCATED OVER THE EDWARD'S AQUIFER RECHARGE ZONE.
5. TREES GREATER THAN 8" IN DIAMETER ARE KNOWN TO EXIST ON THIS SITE.
6. AS PART OF THE SITE PLAN, THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO BE ON SITE AT ALL TIMES.

Sheet List		
Sheet Index	Sheet Number	Sheet Name
1	000	COVER SHEET
2	001	GENERAL NOTES
3	010	EXISTING CONDITIONS
4	101	SITE PLAN
5	181	SITE DETAILS
6	191	SITE DETAILS
7	201	DEMOLITION PLAN
8	231	EROSION/SEDIMENTATION CONTROL & TREE PROTECTION PLAN
9	281	EROSION / SEDIMENTATION CONTROL & TREE PROTECTION DETAILS
10	301	GRADING PLAN
11	501	EXISTING DRAINAGE AREA MAP
12	502	EXISTING DRAINAGE AREA CALCULATIONS
13	503	PROPOSED DRAINAGE AREA MAP
14	504	PROPOSED DRAINAGE AREA CALCULATIONS
15	531	WATER QUALITY POND PLAN
16	541	DETENTION POND PLAN
17	542	DETENTION POND PLAN
18	543	DETENTION POND DETAILS
19	544	DETENTION POND DETAILS
20	545	DETENTION POND DETAILS
21	546	DETENTION POND DETAILS
22	700	LANDSCAPE NOTES & CALCULATIONS
23	701	LANDSCAPE PLAN
24	710	WATER QUALITY POND PLANTING PLAN
25	791	LANDSCAPE DETAILS
26	801	IRRIGATION PLAN

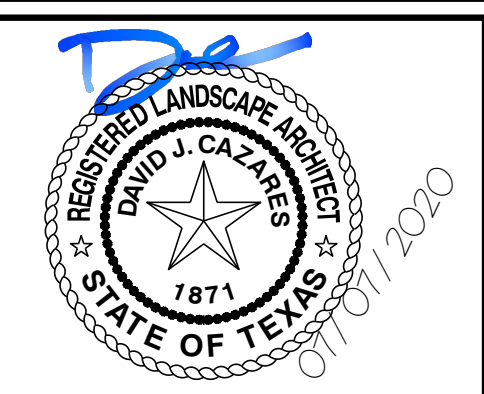
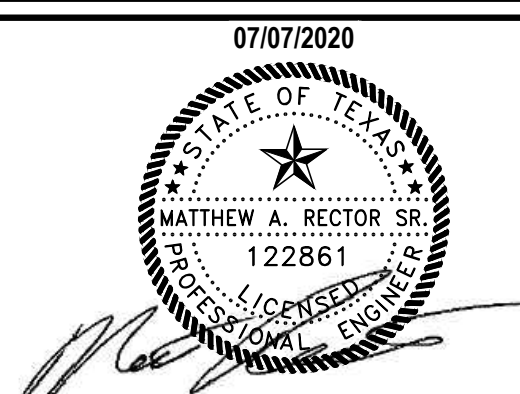
RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

SUBMITTED BY:

MATTHEW RECTOR, P.E., CFM
MWM DESIGN GROUP
305 E HUNTLAND DRIVE, SUITE 200
AUSTIN, TX. 78752
(512)453-0767

APPROVED BY:
FOR DIRECTOR OF PLANNING AND
DEVELOPMENT REVIEW DEPARTMENT

SITE DEVELOPMENT PERMIT NUMBER

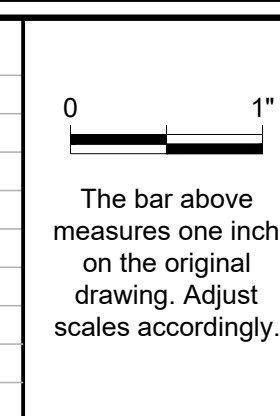


mwm Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



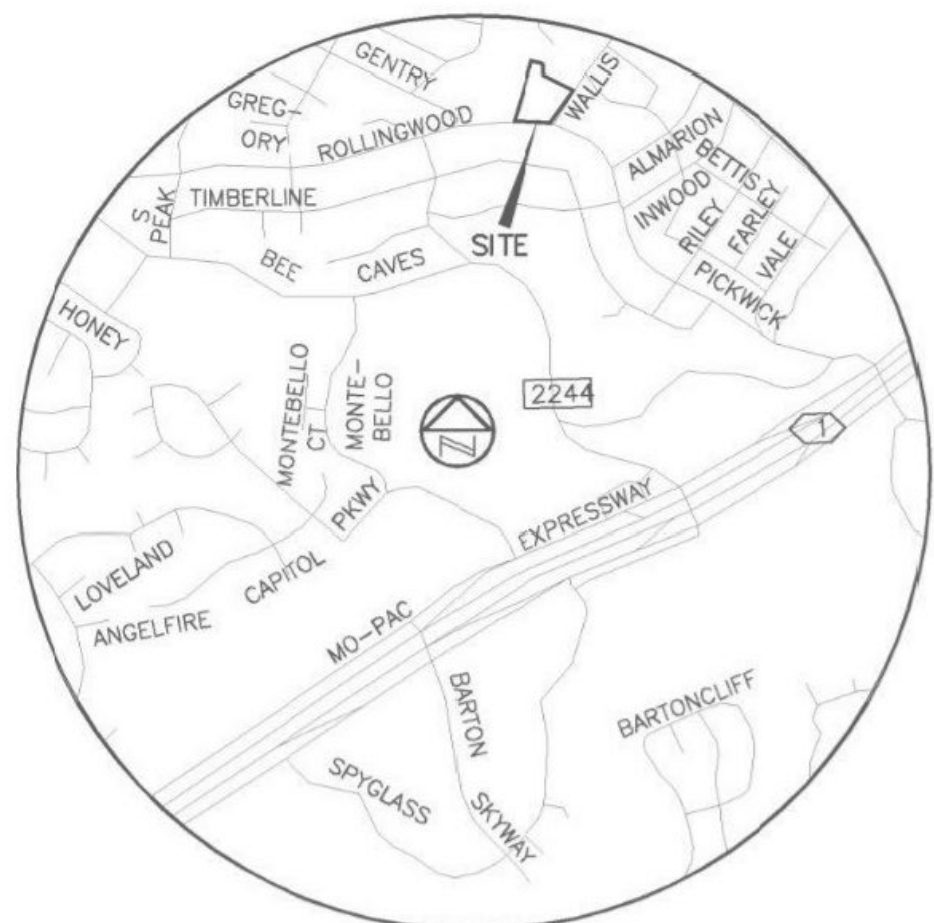
COVER SHEET

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

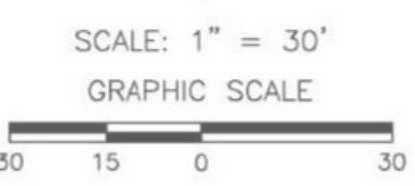
PLOTTED: 7/7/2020
JOB NO: 863-01

000

1 OF 26



A SURVEY OF ALL OF LOT 1, WESTERN HILLS ATHLETIC CLUB ADDITION, A SUBDIVISION OF RECORD IN TRAVIS COUNTY, TEXAS ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 79, PAGE 355 OF THE THE PLAT RECORDS OF TRAVIS COUNTY, TEXAS, SAVE AND EXCEPT A 2,411 SQUARE FEET TRACT DESCRIBED IN VOLUME 11901, PAGE 1260 OF THE REAL PROPERTY RECORDS OF TRAVIS COUNTY, TEXAS.



TREE LIST

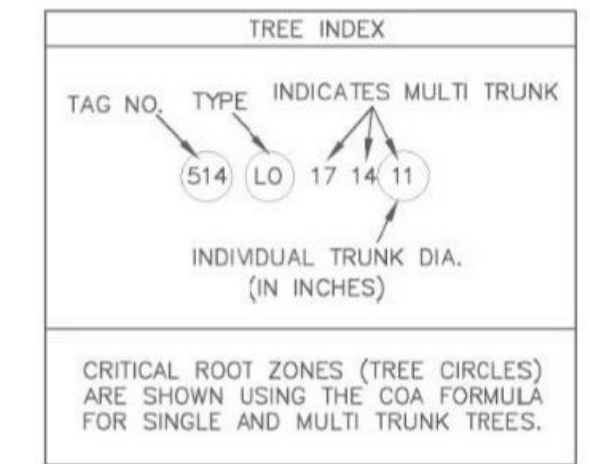
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16902 CE 6 4	20028 CE 9	20056 CDR 13	20083 LO 17	20119 CDR 9	20145 LO 13
16903 LO 9	20029 CB 14	20057 LO 16 12	20084 LO 12	20120 CDR 7	20146 CDR 10
16904 LO 7	20030 CB 14	20058 CDR 14	20086 LO 12	20121 LO 7	20147 LO 6
16905 LO 9	20032 HB 13	20059 LO 13	20088 LO 14	20122 CDR 6	20148 LO 18 13
16906 LO 8	20033 CB 9	20060 CDR 7	20089 LO 11	20123 CDR 8	20149 CE 10 5
16907 CE 7 4	20034 CB 11 7 5	20061 CE 6	20090 LO 16	20124 CDR 6	20150 CE 14
16908 LO 13	20035 CB 7	20062 CDR 8	20093 LO 18	20125 LO 13	20151 CB 10
16909 LO 7	20036 CB 8	20063 LO 17	20094 LO 12	20126 LO 9	20152 CB 13
16910 CB 9	20038 CB 15	20064 CDR 10	20095 LO 10	20127 LO 8	20155 LIG 9 6 6
16911 CB 7	20039 CDR 10	20065 PO 19 16	20096 LO 11	20128 CDR 6	20158 CB 8
16912 LIG 8 6	20040 CE 8	20066 CDR 6 9	20097 LO 10 9	20129 CDR 12	20159 CB 20
16913 BE 6	20041 CE 13	20067 LO 7	20098 LO 12	20130 CDR 7	20160 CE 10
16914 BE 6	20042 CE 12	20068 LO 10	20099 LO 15	20131 CDR 7	20161 CE 9 8
16915 BE 6	20043 CE 10 8	20069 LO 11 8	20100 LO 12	20132 CDR 7	20162 LO 20
16916 WLNT 7	20044 LO 10	20070 CDR 7	20101 LO 13	20133 CE 9	20163 CE 11
16917 WLNT 6	20045 LO 8	20071 CE 6	20102 LO 19 17	20134 CE 10	20164 LO 22
16918 WLNT 6	20046 LO 13	20072 CB 7	20103 LO 20	20135 LO 13 10	20165 LO 22
20021 LO 19	20047 LO 12	20073 LO 15	20105 CE 15	20136 HB 6	20166 LO 21
20017 CE 18	20048 LO 13	20074 LO 15	20106 LO 10	20137 CDR 6	20167 LO 18
20018 LO 20	20049 HB 8	20076 LO 15	20107 LO 12	20138 CE 8	20168 LO 24
20023 PEC 17	20051 LO 11	20077 LO 17	20108 LO 7	20139 CDR 8	20169 LO 19
20024 LO 18	20052 LO 12	20078 LO 17	20109 LO 12	20140 HB 9	20170 CE 17
20025 LO 13	20053 LO 10	20079 LO 19	20114 CE 9	20141 PEC 11	20171 LO 19 19
20026 LO 8 5	20054 LO 17 16	20080 LO 18	20115 CDR 10	20142 PEC 10	20173 CE 14
		20081 LO 11	20117 LO 9	20143 CDR 6	

BENCHMARK NOTE:
 B.M. #1 - SQUARE CUT ON B.O.C., NORTH SIDE OF ROLLINGWOOD DR. +/-105 FEET WEST OF WALLIS DR. ELEV.=628.77'
 B.M. #3 - SQUARE CUT ON B.O.C. ON THE WEST SIDE OF WALLIS DR. +/-190 FEET NORTH OF ROLLINGWOOD DR. ELEV.=631.07'

MANHOLE AND INLET NOTE:
 THIS SURVEY SHOWS FIELD MEASURED SIZES AND DEPTHS AS OBSERVED FROM GROUND LEVEL OPENINGS. EXACT MEASUREMENTS AND DEPTHS PARTICULARLY IN CRITICAL AREAS, SHOULD BE VERIFIED WITH UTILITY RECORD MAPS AND/OR FIELD VERIFICATION PRIOR TO FINAL PLANNING OR CONSTRUCTION.

TREE LEGEND

BE	-	BOX ELDER	LIG	-	LIGUSTRUM
CB	-	CHINA BERRY	LO	-	LIVE OAK
CDR	-	CEDAR	PEC	-	PECAN
CE	-	CEDAR ELM	WLNT	-	WALNUT
HB	-	HACKBERRY			



LEGEND

- 1/2" REBAR FOUND
- ▲ CALCULATED POINT
- ⊙ 3/4" IRON PIPE FOUND
- ▲ NAIL FOUND
- * COTTON SPINDLE FOUND
- ⊙ BENCHMARK LOCATION
- ⊠ WATER METER
- ⊗ WATER VALVE
- ⊕ FIRE HYDRANT
- ⊙ SPRINKLER CONTROL VALVE
- ⊘ UTILITY POLE
- GUY WIRE
- OVERHEAD UTILITIES
- ⊙ LIGHT POLE
- ⊙ WASTEWATER CLEANOUT
- ⊙ WASTEWATER MANHOLE
- ⊙ STORMSEWER MANHOLE
- ⊙ HANDICAP PARKING SPACE
- ⊙ AC PAD
- ⊙ GAS UTILITY
- ⊙ ELECTRIC UTILITY
- SIGN
- EDGE OF PAVEMENT
- WROUGHT IRON FENCE
- CHAIN LINK FENCE
- ⊙ PUMP BOX
- ⊙ PUMP

FLOOD-PLAIN NOTE:
 The tract shown hereon lies within Zone "X" (areas determined to be outside 500-year flood-plain), as identified by the Federal Emergency Management Agency, Federal Insurance Administration, as shown on map no. 484500045A, dated January 08, 2016, for Travis County, Texas and incorporated areas. If this site is not within an identified special flood hazard area, this flood statement does not imply that the property and/or the structures thereon will be free from flooding or flood damage. This flood statement shall not create liability on the part of the surveyor.

TITLE COMMITMENT NOTE:
 This Survey was prepared without the benefit of a Commitment for Title, and may be subject to additional easements or restrictions not shown hereon. No additional easement research was done for the purpose of this survey.

NOTE FROM PREVIOUS SURVEY (9/26/07):
 The Travis CAD map 01_0909 (01/04/2006) shows what appears to be additional R.O.W. for Rollingwood Drive and Wallis Drive. There was no monumented evidence in the field of a R.O.W. dedication along the north line of Rollingwood Drive. After researching Travis CAD and the Travis County Clerk records, we were not able to locate any documents reflecting additional street frontage conveyed to the City of Rollingwood. Since no title research was provided by the client, there was not enough data to accurately determine the position of the intersection of the north R.O.W. of Rollingwood Drive and the west R.O.W. of Wallis Drive, so the position is represented on the map by a calculated point for the purposes of this survey.

SURVEYOR'S CERTIFICATE:
 CERTIFIED TO:
 Julie Martinez
 Western Hills Athletic Club

PROPERTY ADDRESS: Rollingwood Drive @ Wallis Drive

DATE OF SURVEY: 09/26/07; Topographic and Tree Survey Updated 09/20/17, Updated 4/27/18

BEARING BASIS: Grid azimuth for Texas Central Zone state plane coordinates, based on GPS solutions from The National Geodetic Survey (NGS) On-line Positioning User Service (OPUS).

ATTACHMENTS: none

I hereby certify that a survey of the property shown hereon was actually made upon the ground under my direction and supervision on the date shown, and that to the best of my professional knowledge and belief there are no apparent encroachments, overlapping of improvements, discrepancies, deed line conflicts, visible utility lines or roads in place, except as shown hereon, and that this property abuts or adjoins a dedicated road right-of-way or access easement, unless noted hereon.

Robert C. Watts, Jr. Date
 Registered Professional Land Surveyor
 State of Texas No. 4995

lwk
 5.10.18

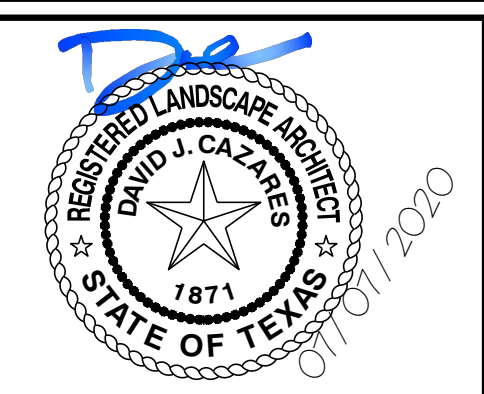
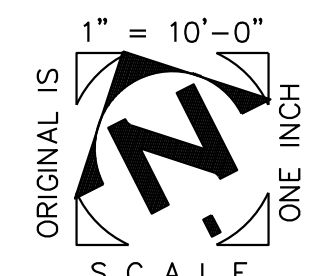
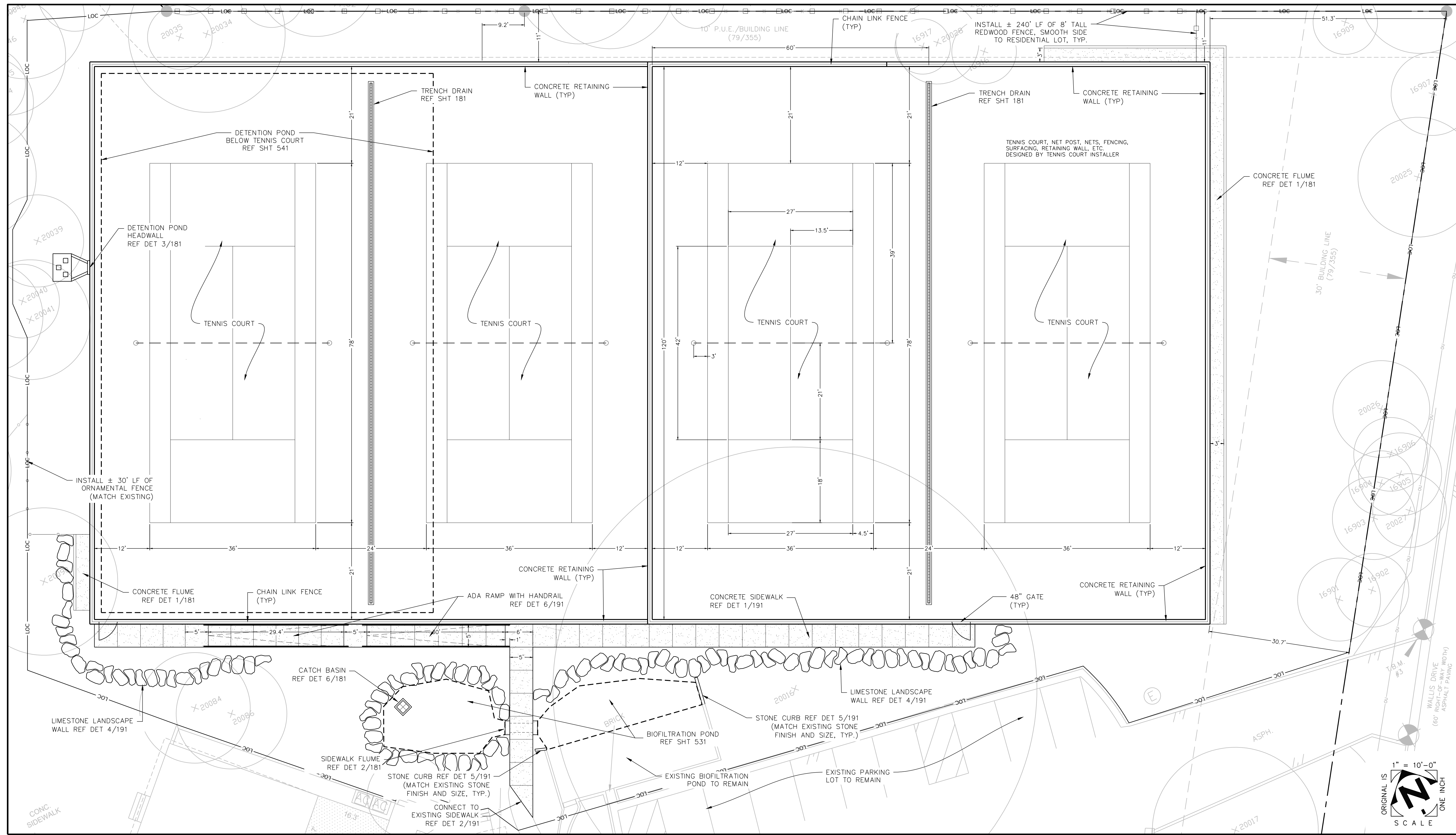
Professional Land Surveying, Inc.
 Surveying and Mapping

3500 McCall Lane
 Austin, Texas 78744
 512-443-1724
 Firm No. 10124500

PROJECT NO.: 585-001
 DRAWING NO.: 585-001-BASE
 PLOT DATE: 05/10/18
 PLOT SCALE: 1"=30'
 DRAWN BY: RGH/MAW/EBD
 SHEET 01 OF 01

CURVE TABLE

NO.	DELTA	RADIUS	TAN	ARC	CHORD	BEARING	(RECORD CHORD)
C1	4°35'35"	315.81'	12.67'	25.32'	25.31'	S10°15'58"W	(S11°47'W 25.26')
C2	29°33'56"	122.57'	32.34'	63.25'	62.55'	S02°21'10"E	(S00°43'E 62.57')

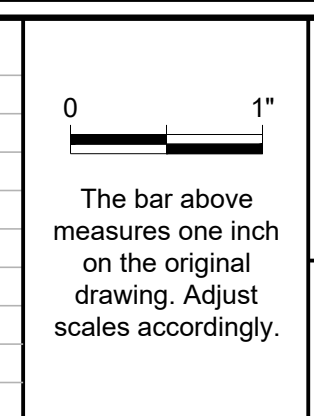


mwm
Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBAE FIRM REGISTRATION NO.: F-14116
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



SITE PLAN

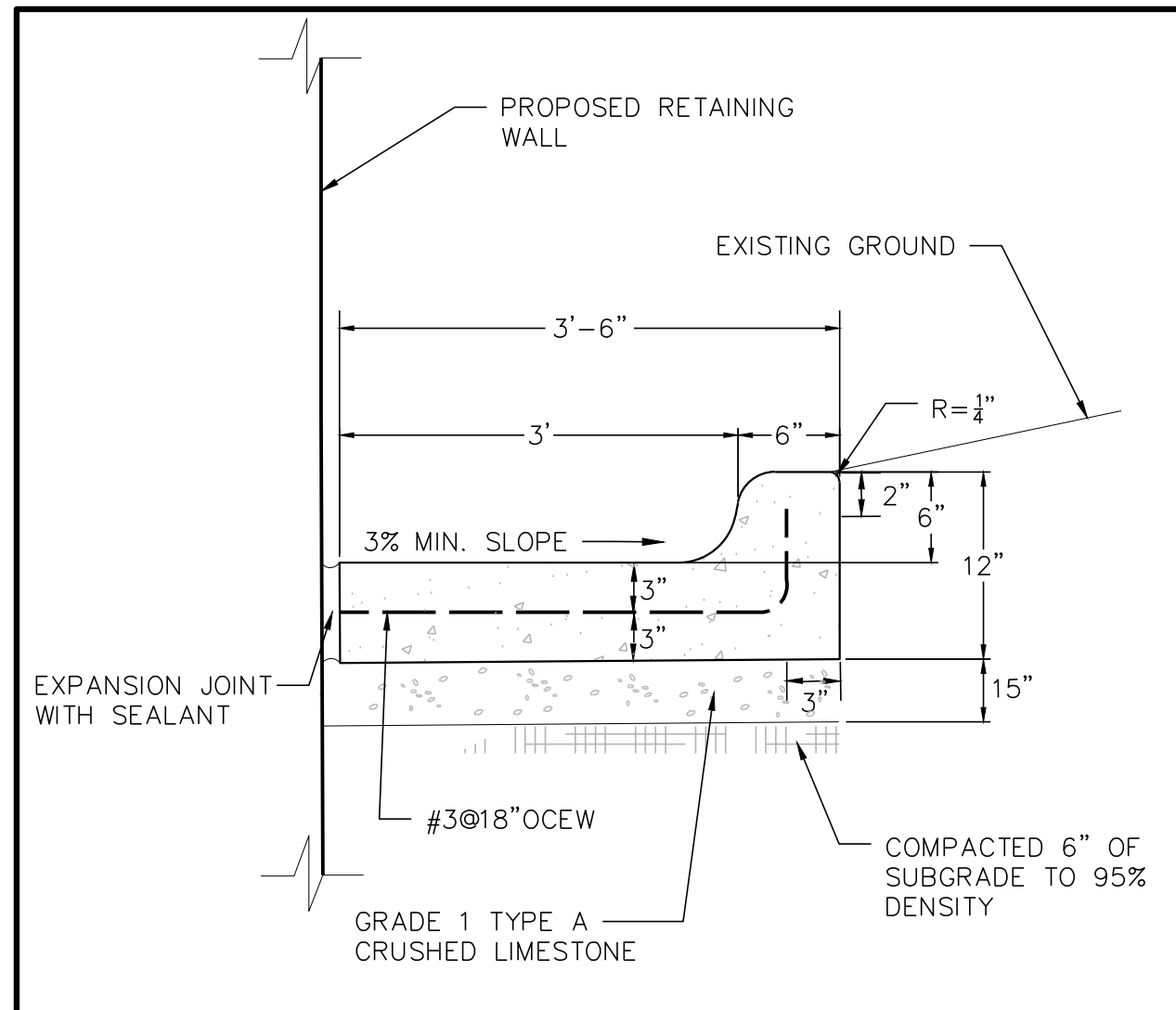
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

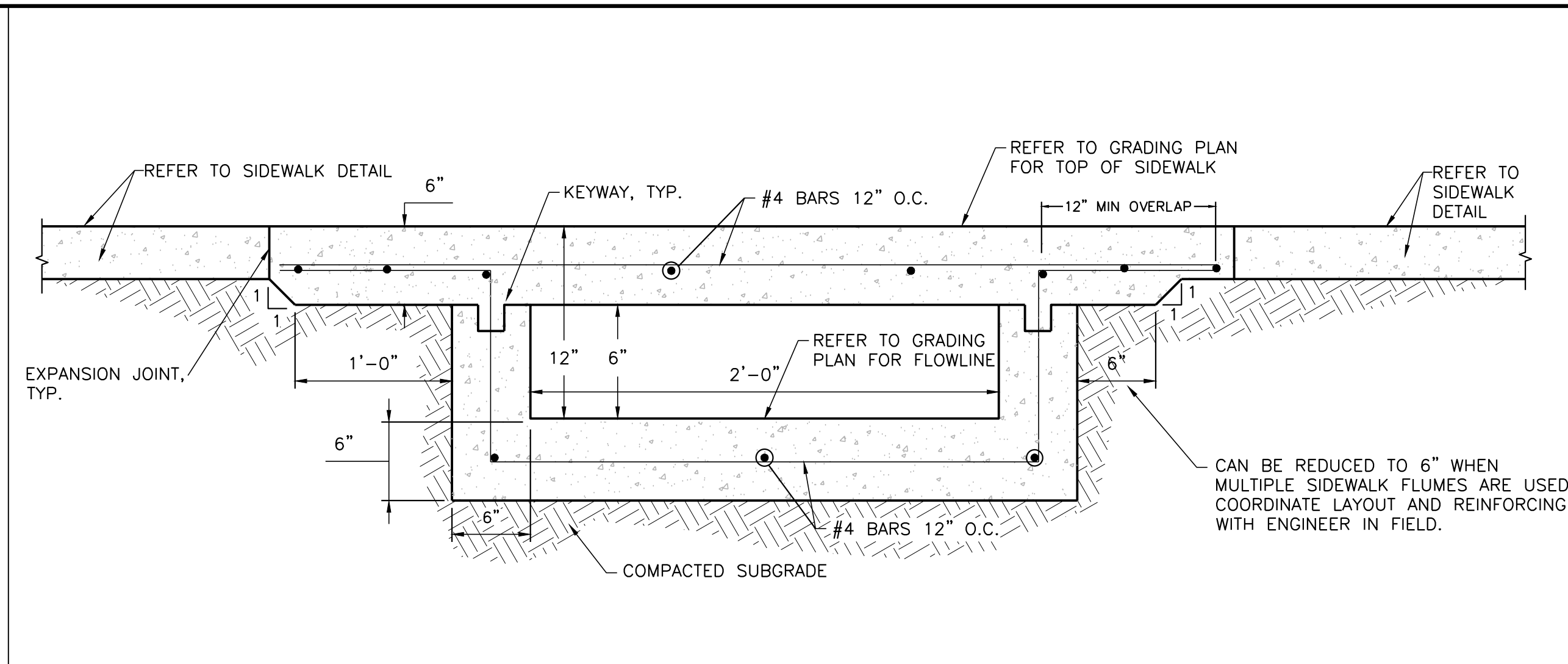
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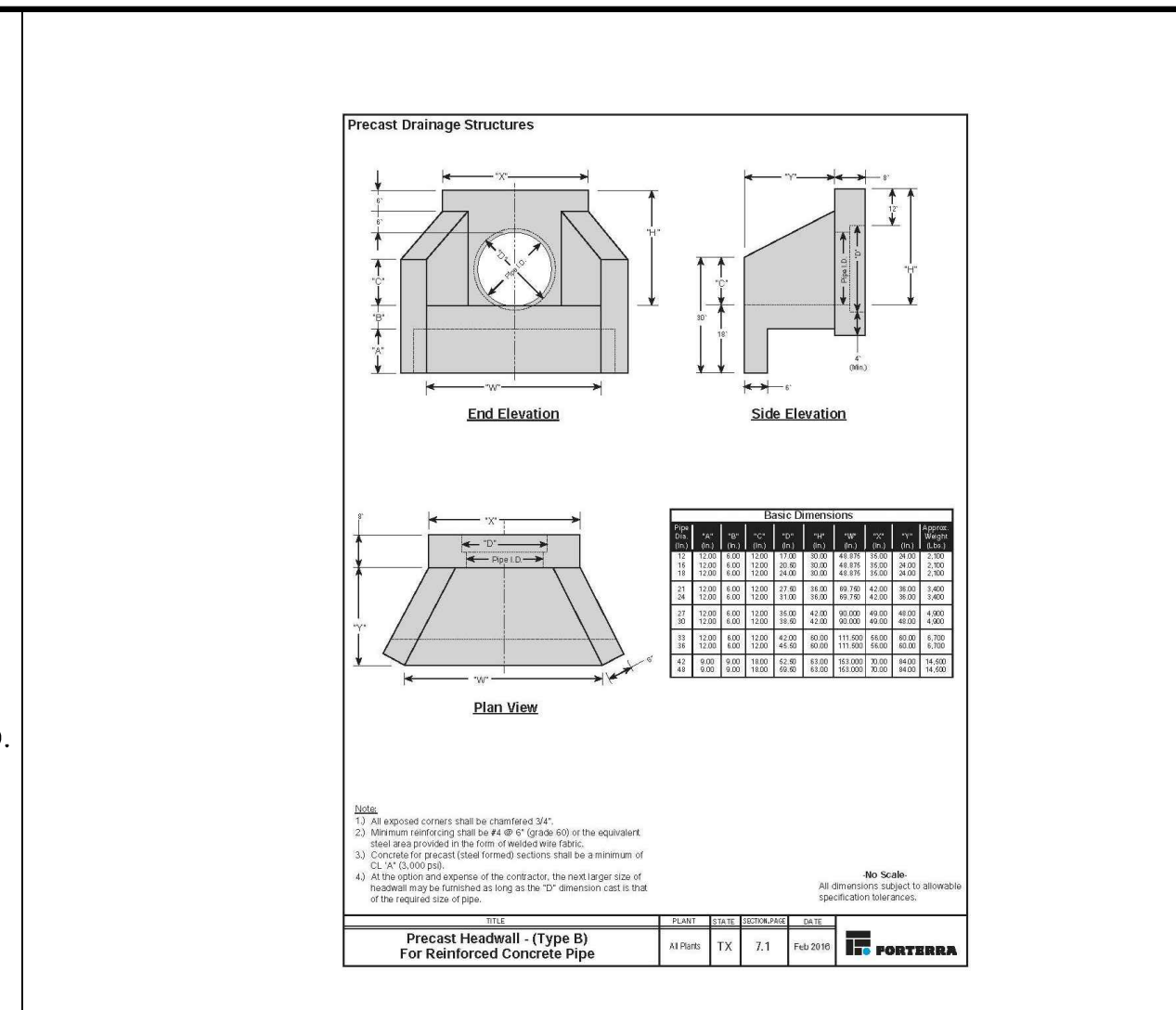
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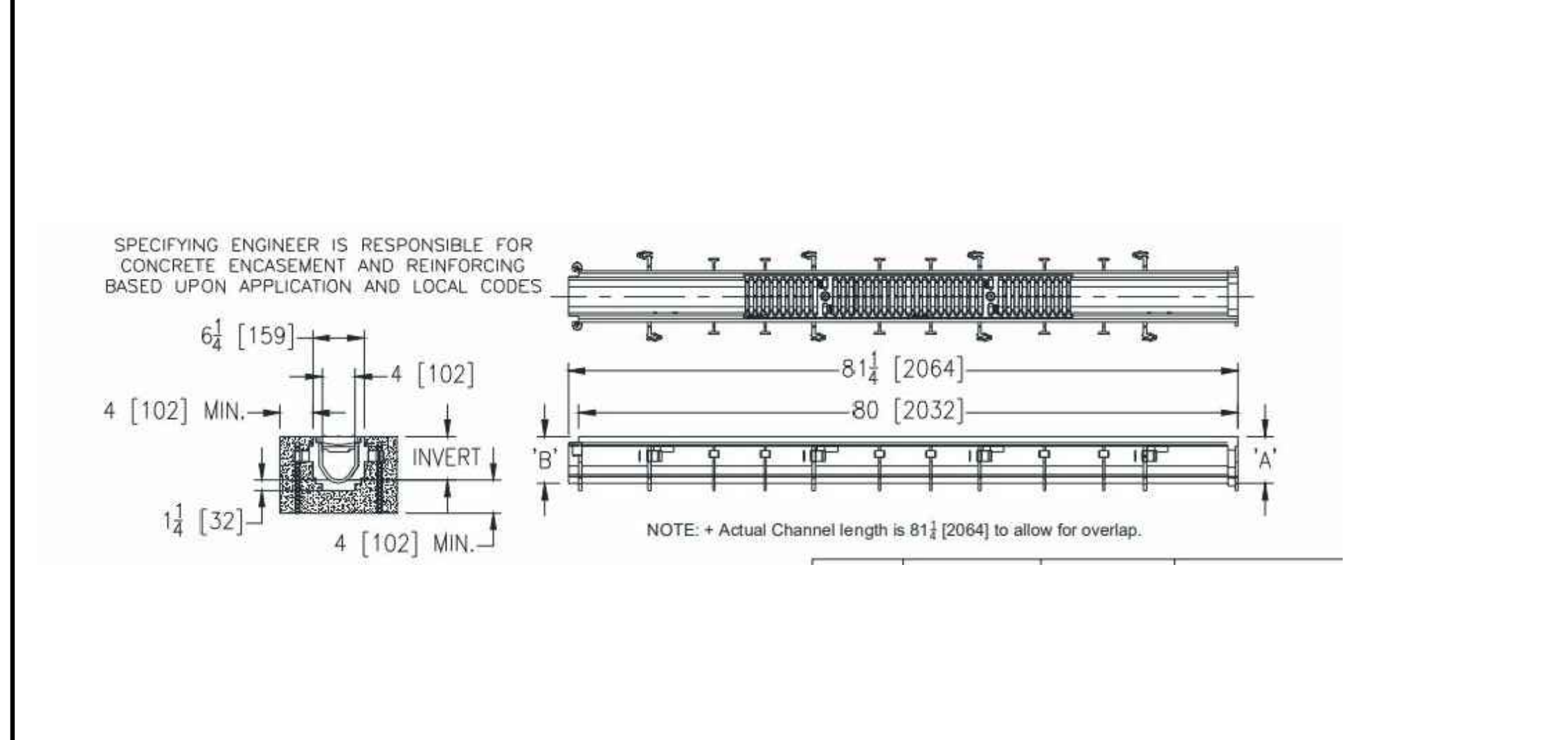
1 CONCRETE FLUME
SCALE: NTS



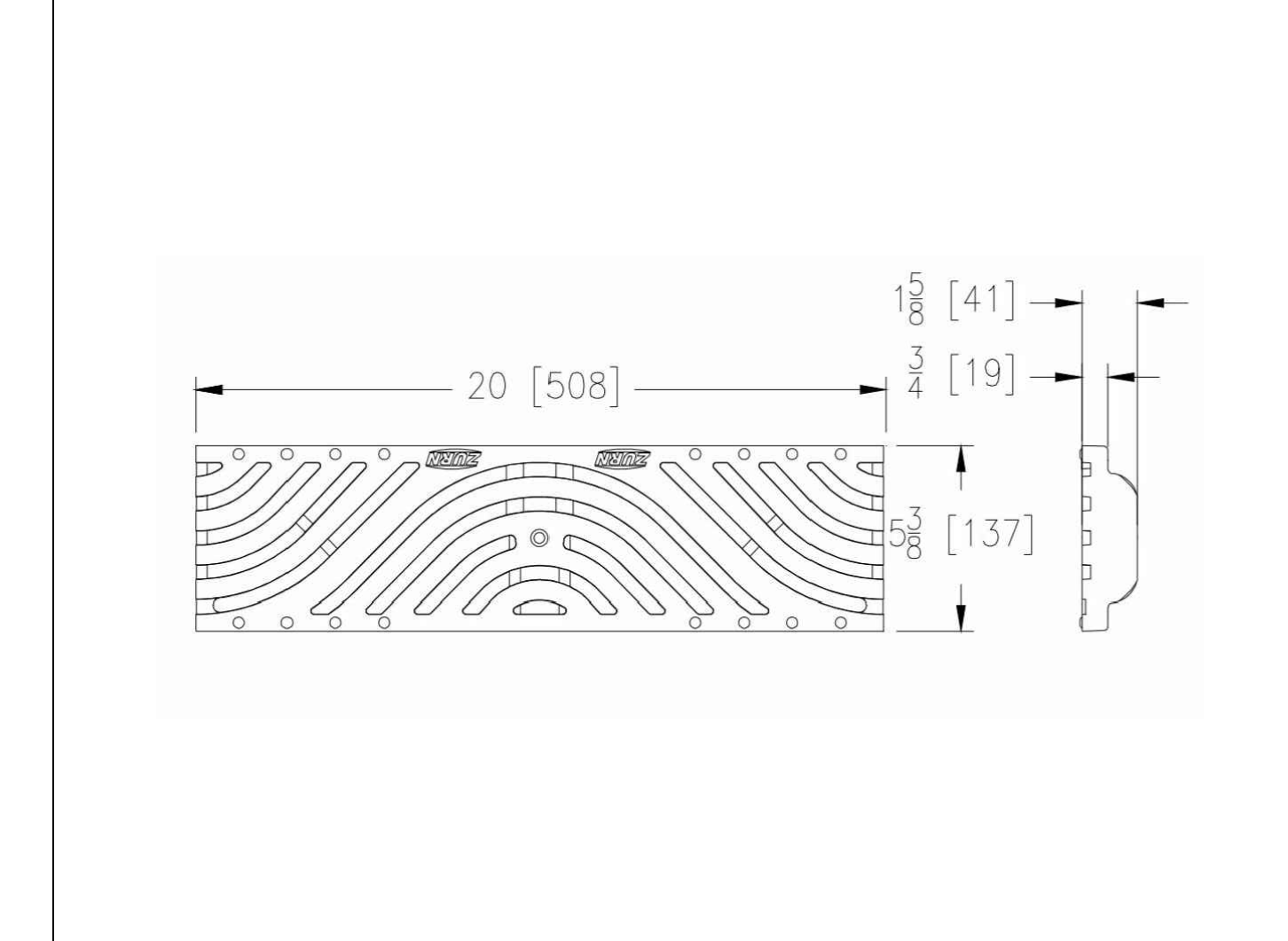
2 SIDEWALK FLUME
SCALE: NTS



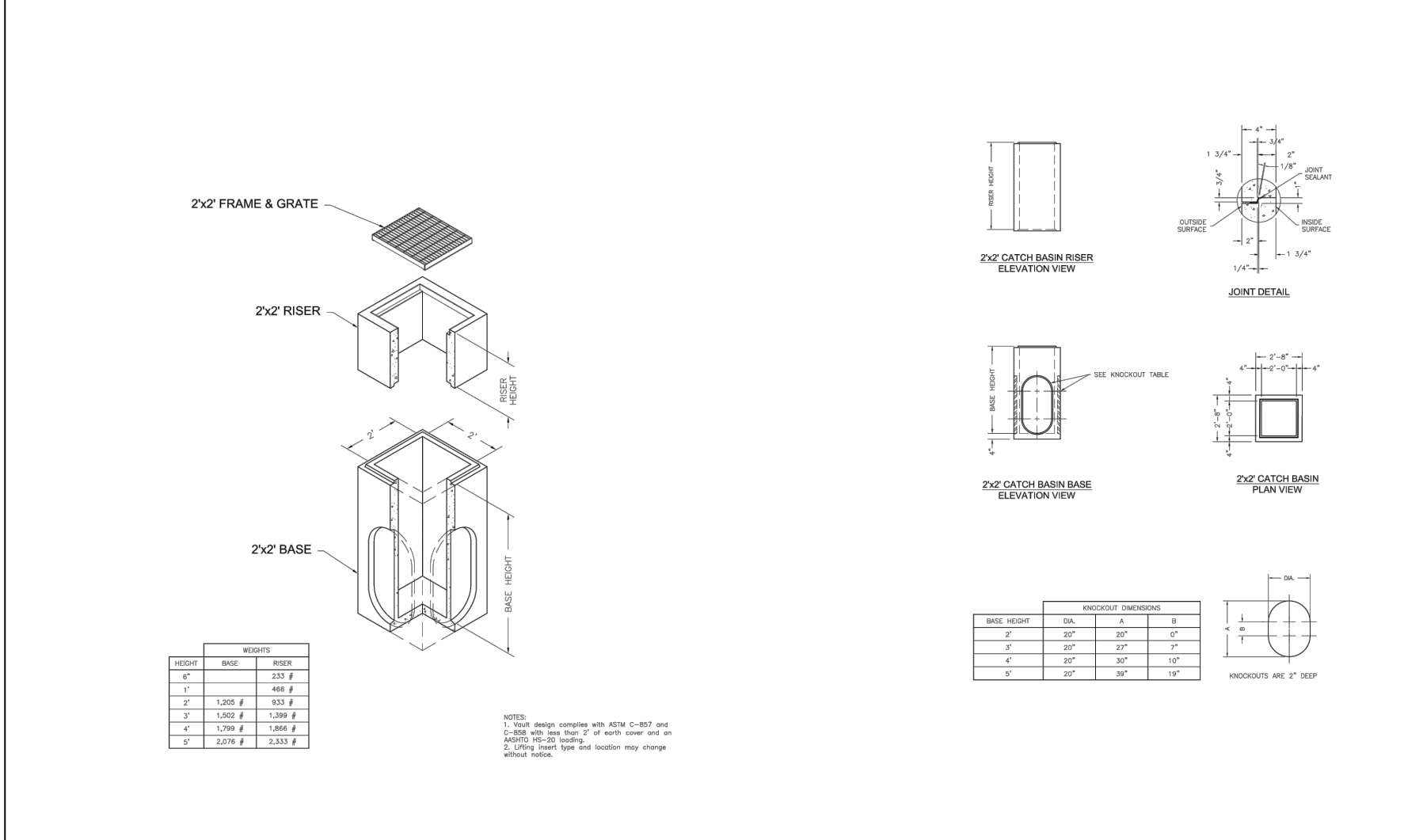
3 HEAD WALL
SCALE: NTS



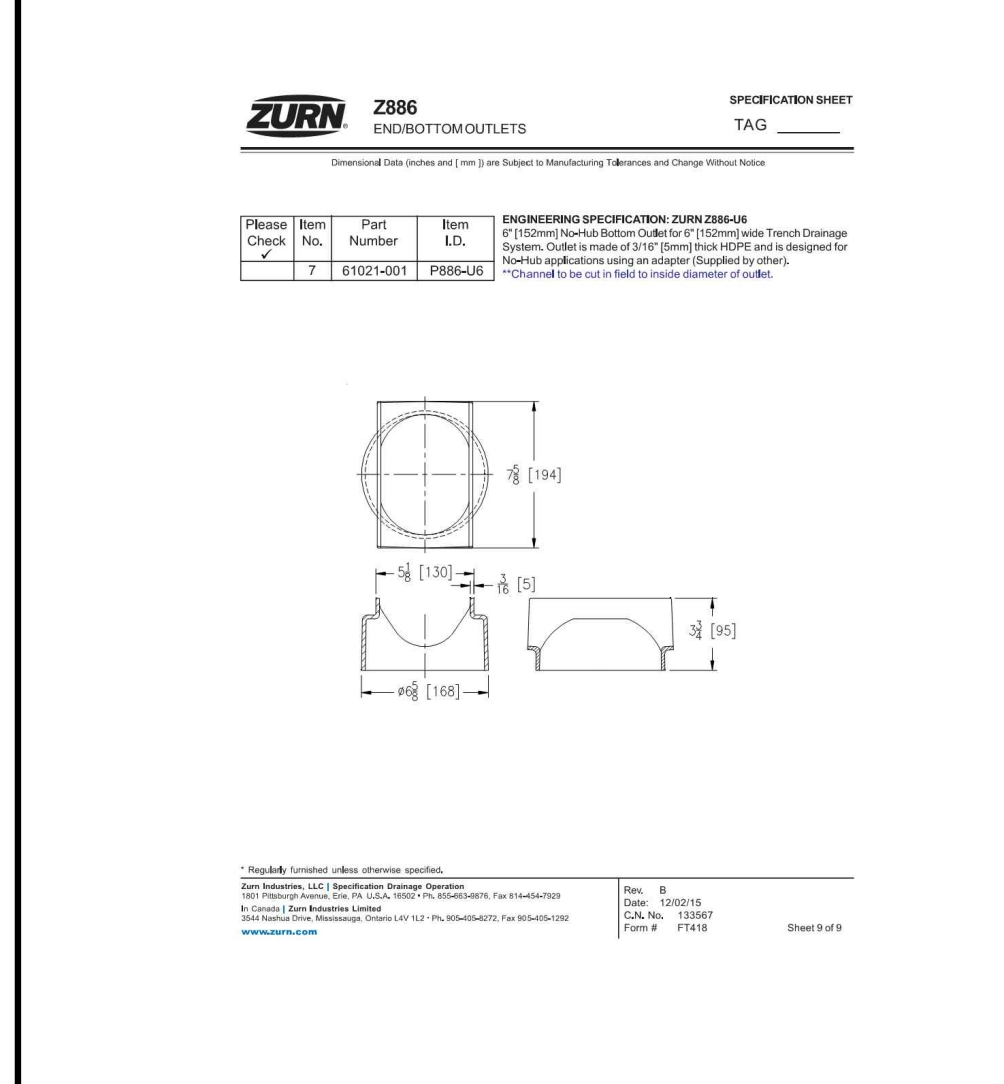
4 TRENCH DRAIN
SCALE: NTS



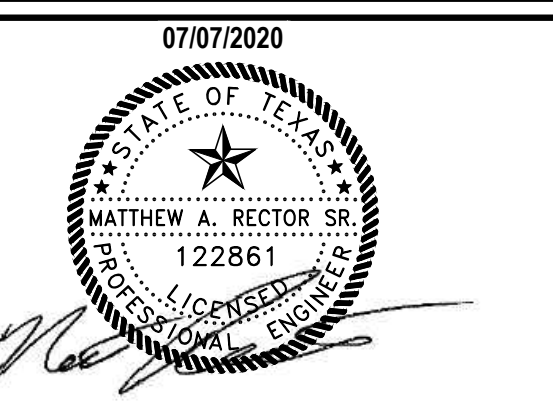
5 DRAINAGE COVER
SCALE: NTS



6 2'x2' CATCH BASIN
SCALE: NTS



7 U6-BOTTOM OUTLET
SCALE: NTS

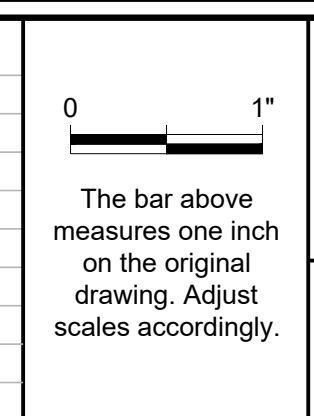


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305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

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TBPLS FIRM REGISTRATION NO.: 10065600

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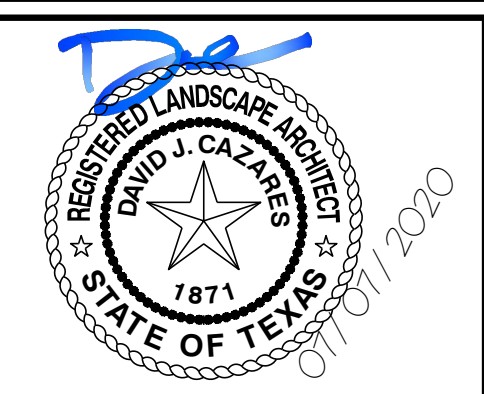
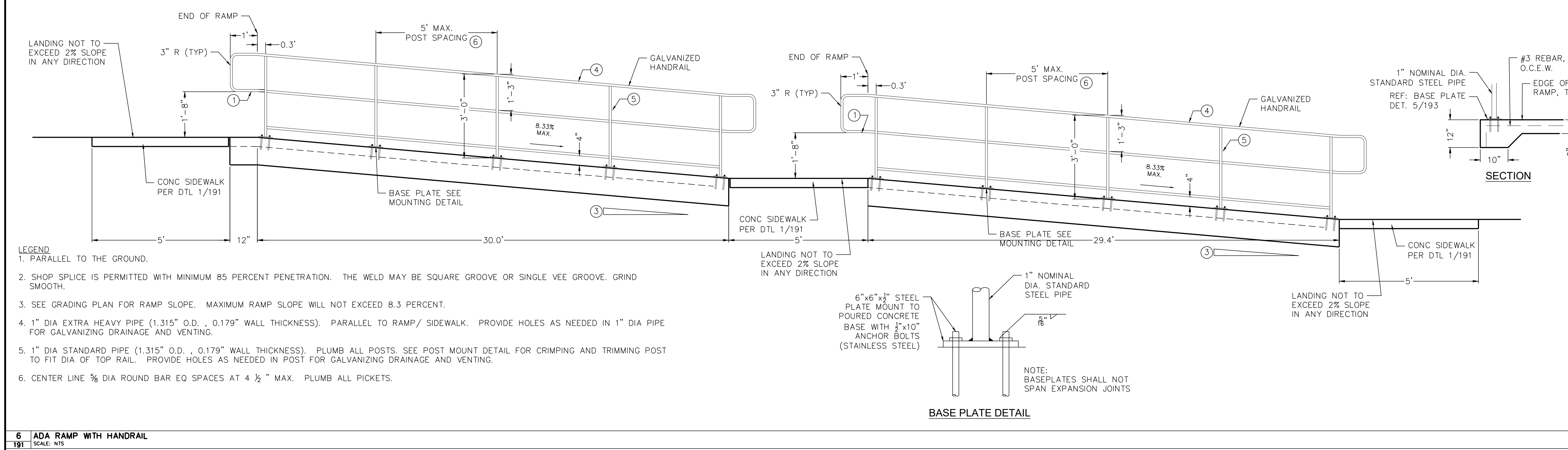
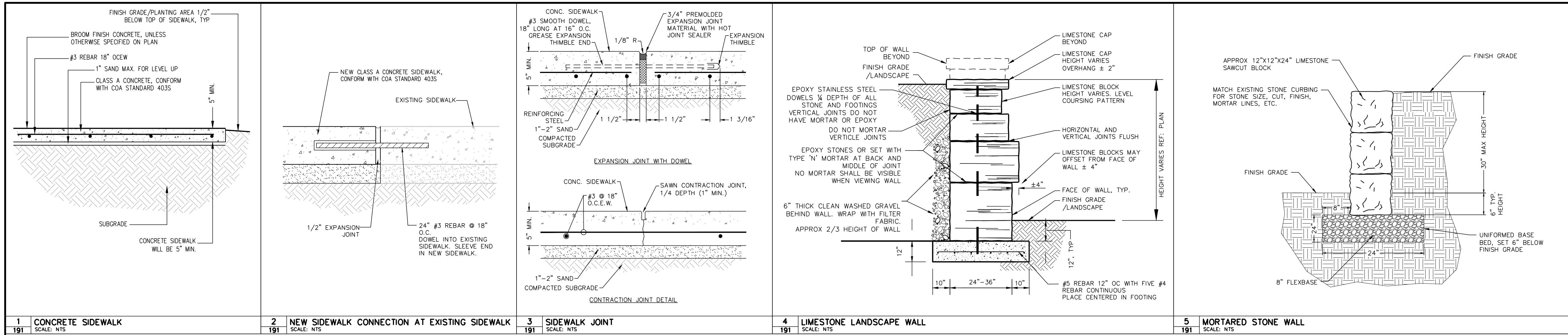
SITE DETAILS

Western Hills Athletic Club
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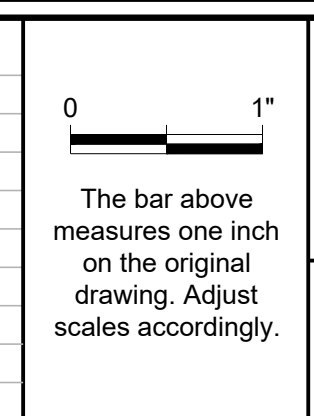
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Austin, Texas 78752
p: 512.453.0767
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TBLPS FIRM REGISTRATION NO.: 10065600

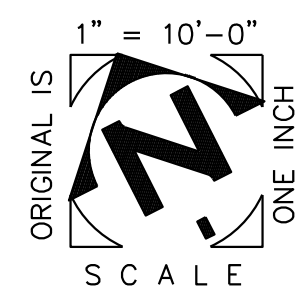
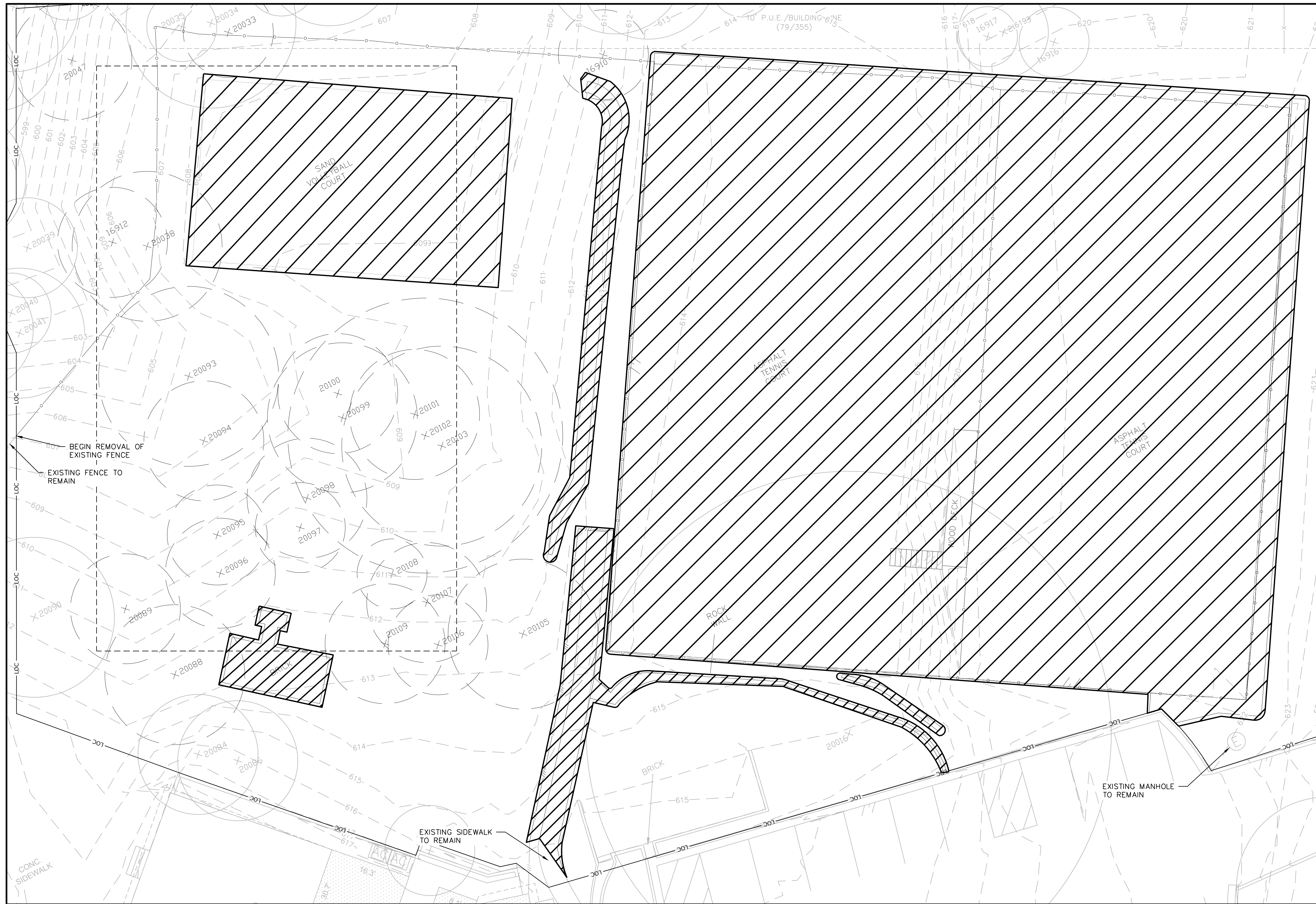
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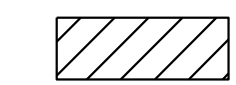
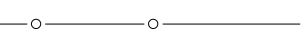
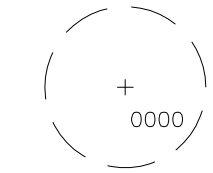
SITE DETAILS
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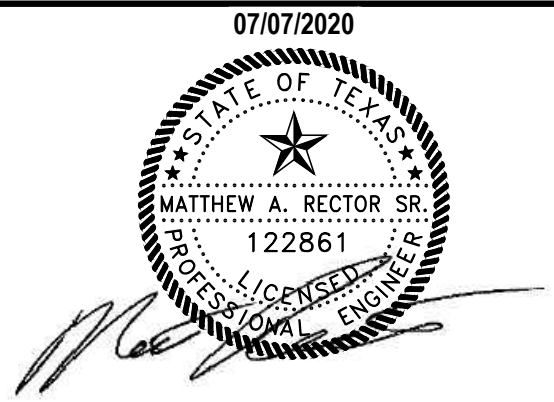


DEMO LEGEND

-  EXIST. IMPROVEMENTS (TO BE REMOVED)
-  EXISTING FENCE (TO BE REMOVED)
-  EXIST. TREE (TO BE REMOVED)

- NOTES:**
- CONTRACTOR TO VERIFY CLEARANCE OF OVERHEAD LINES. MINIMUM MUST BE 14 FEET. IF NOT, CONTRACTOR TO CONTACT UTILITY TO HAVE RAISED.
 - DEMOLITION WASTE - COORDINATE WITH AMANDA HOWE, 512-327-6373.
 - SALVAGE - COORDINATE WITH AMANDA HOWE, 512-327-6373.
 - ALL TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED UNLESS OTHERWISE NOTED.
 - ALL SIDEWALKS, CURBS, DRIVEWAYS, UTILITY APPURTENANCES, ETC. SHALL BE PROTECTED FROM DAMAGE OR RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE UNLESS SPECIFICALLY INDICATED TO BE REMOVED.
 - CONTRACTOR IS RESPONSIBLE FOR SECURITY OF SITE DURING CONSTRUCTION.
 - KNOWN EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND DEPICTED USING RECORD DOCUMENTS. CONTRACTOR TO VERIFY LOCATION IN FIELD BEFORE STARTING CONSTRUCTION.

TREE REMOVAL LIST			
TREE TAG	TREE TYPE	SIZE (INCHES)	REASON FOR REMOVAL/MITIGATION
16910	Chinaberry	9.00	Invasive
16912	Ligustrum	11.00	Invasive
20033	Chinaberry	9.00	Invasive
20038	Chinaberry	15.00	Invasive
20047	Live Oak	12.00	Construction
20088	Live Oak	14.00	Construction
20089	Live Oak	11.00	Construction
20093	Live Oak	18.00	Construction
20094	Live Oak	12.00	Construction
20095	Live Oak	10.00	Construction
20096	Live Oak	11.00	Construction
20097	Live Oak	9.00	Construction
20098	Live Oak	12.00	Construction
20099	Live Oak	15.00	Construction
20100	Live Oak	12.00	Construction
20101	Live Oak	13.00	Construction
20102	Live Oak	27.50	Construction
20103	Live Oak	20.00	Construction
20105	Cedar Elm	15.00	Construction
20106	Live Oak	10.00	Construction
20107	Live Oak	12.00	Construction
20108	Live Oak	7.00	Construction
20109	Live Oak	12.00	Construction
TOTAL INCHES REMOVED		296.50	

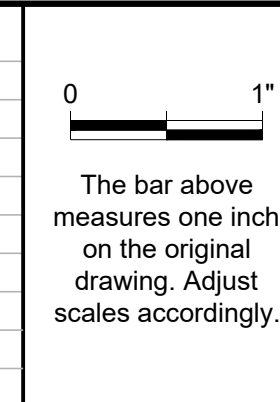


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305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

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DEMOLITION PLAN

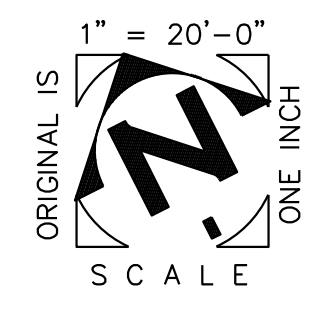
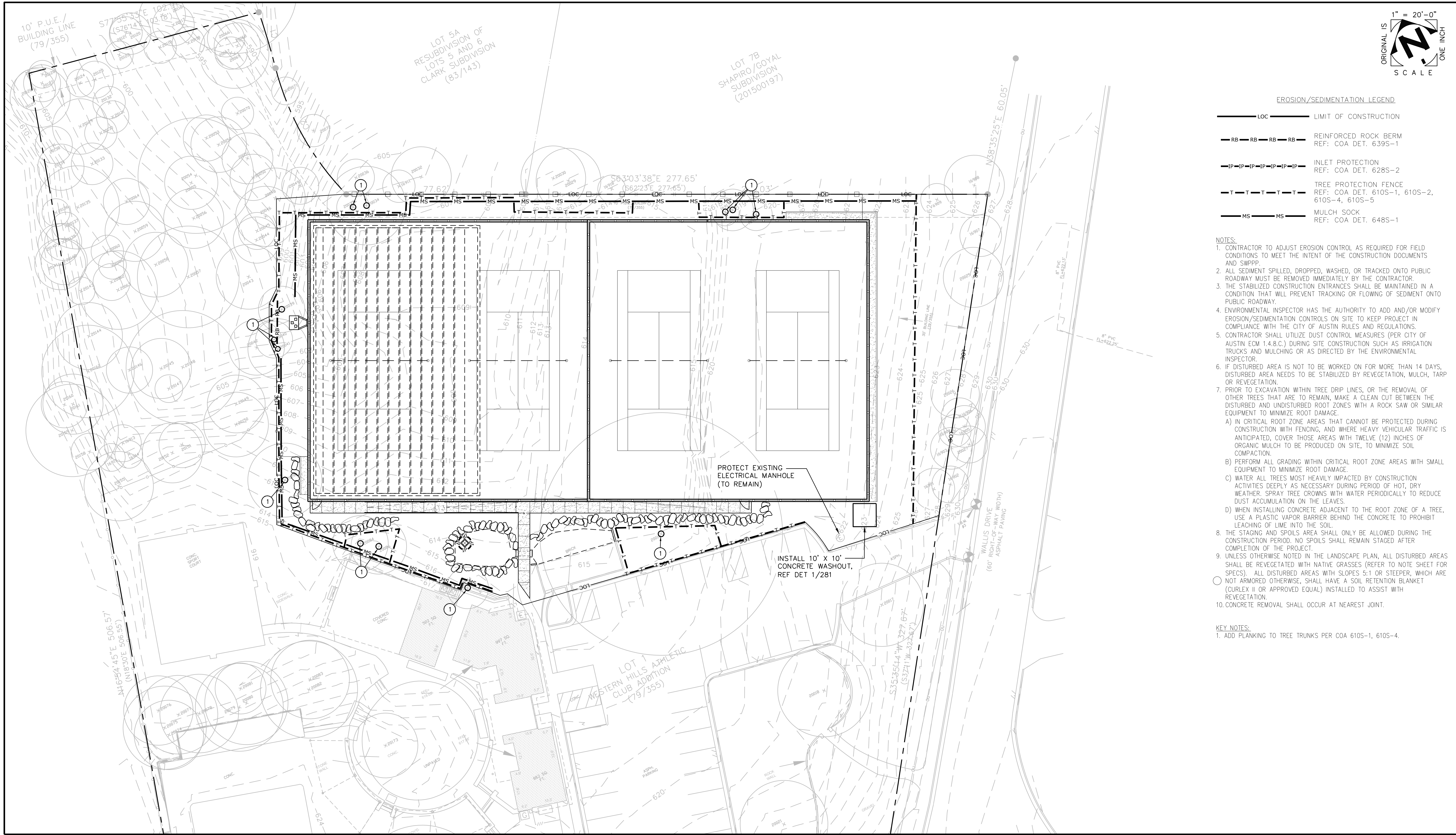
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JOB NO: 863-01

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EROSION/SEDIMENTATION LEGEND

- LOC LIMIT OF CONSTRUCTION
- RB REINFORCED ROCK BERM
REF: COA DET. 639S-1
- IP INLET PROTECTION
REF: COA DET. 628S-2
- T TREE PROTECTION FENCE
REF: COA DET. 610S-1, 610S-2, 610S-4, 610S-5
- MS MULCH SOCK
REF: COA DET. 648S-1

- NOTES:**
1. CONTRACTOR TO ADJUST EROSION CONTROL AS REQUIRED FOR FIELD CONDITIONS TO MEET THE INTENT OF THE CONSTRUCTION DOCUMENTS AND SWPPP.
 2. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
 3. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY.
 4. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS.
 5. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES (PER CITY OF AUSTIN ECM 1.4.8.C.) DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 6. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION.
 7. PRIOR TO EXCAVATION WITHIN TREE DRIP LINES, OR THE REMOVAL OF OTHER TREES THAT ARE TO REMAIN, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE ROOT DAMAGE.
 - A) IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION WITH FENCING, AND WHERE HEAVY VEHICULAR TRAFFIC IS ANTICIPATED, COVER THOSE AREAS WITH TWELVE (12) INCHES OF ORGANIC MULCH TO BE PRODUCED ON SITE, TO MINIMIZE SOIL COMPACTION.
 - B) PERFORM ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
 - C) WATER ALL TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES DEEPLY AS NECESSARY DURING PERIOD OF HOT, DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
 - D) WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.
 8. THE STAGING AND SPOILS AREA SHALL ONLY BE ALLOWED DURING THE CONSTRUCTION PERIOD. NO SPOILS SHALL REMAIN STAGED AFTER COMPLETION OF THE PROJECT.
 9. UNLESS OTHERWISE NOTED IN THE LANDSCAPE PLAN, ALL DISTURBED AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES (REFER TO SHEET FOR SPECS). ALL DISTURBED AREAS WITH SLOPES 5:1 OR STEEPER, WHICH ARE NOT ARMORED OTHERWISE, SHALL HAVE A SOIL RETENTION BLANKET (CURLX II OR APPROVED EQUAL) INSTALLED TO ASSIST WITH REVEGETATION.
 10. CONCRETE REMOVAL SHALL OCCUR AT NEAREST JOINT.

- KEY NOTES:**
1. ADD PLANKING TO TREE TRUNKS PER COA 610S-1, 610S-4.

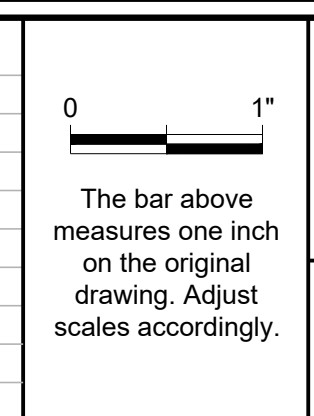
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305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

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**EROSION/SEDIMENTATION CONTROL
& TREE PROTECTION PLAN**

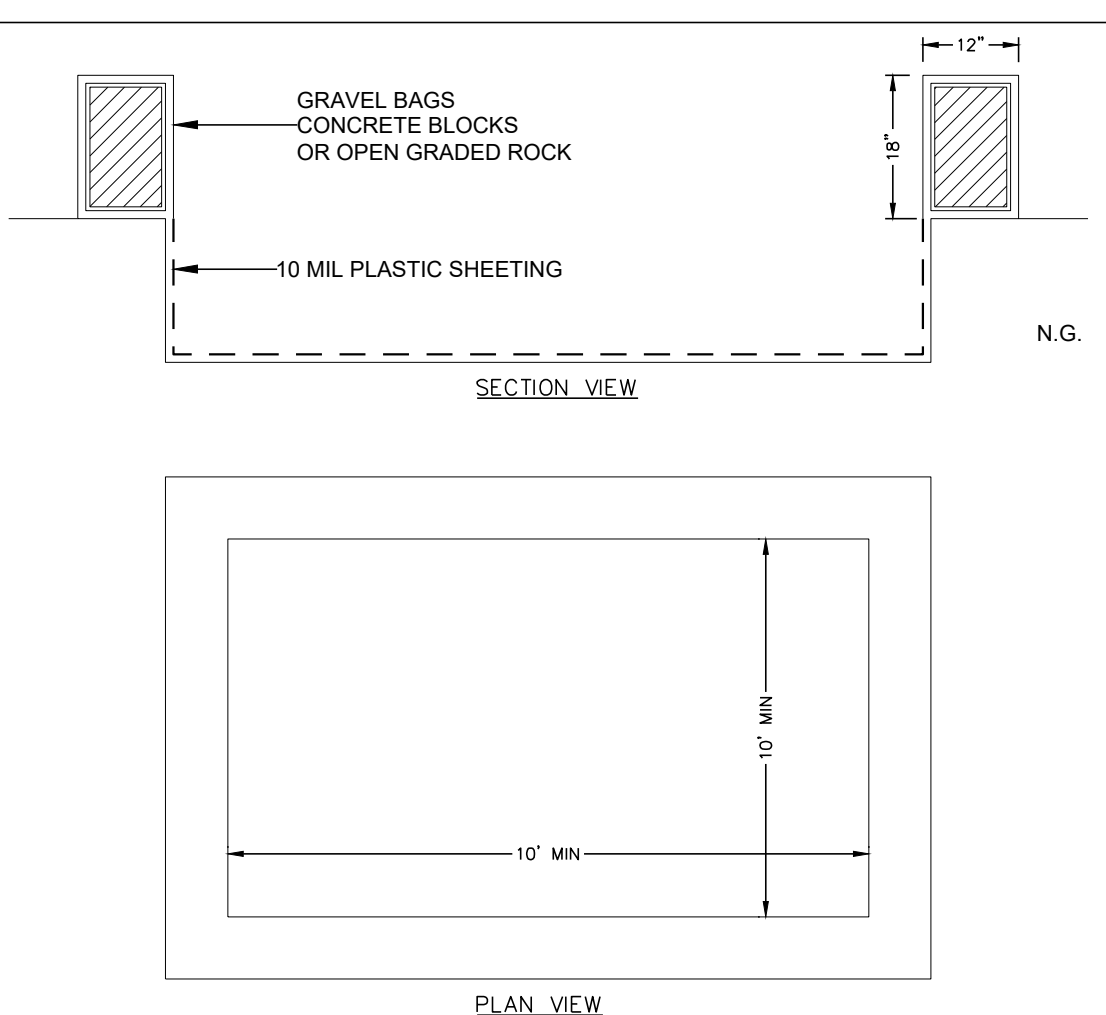
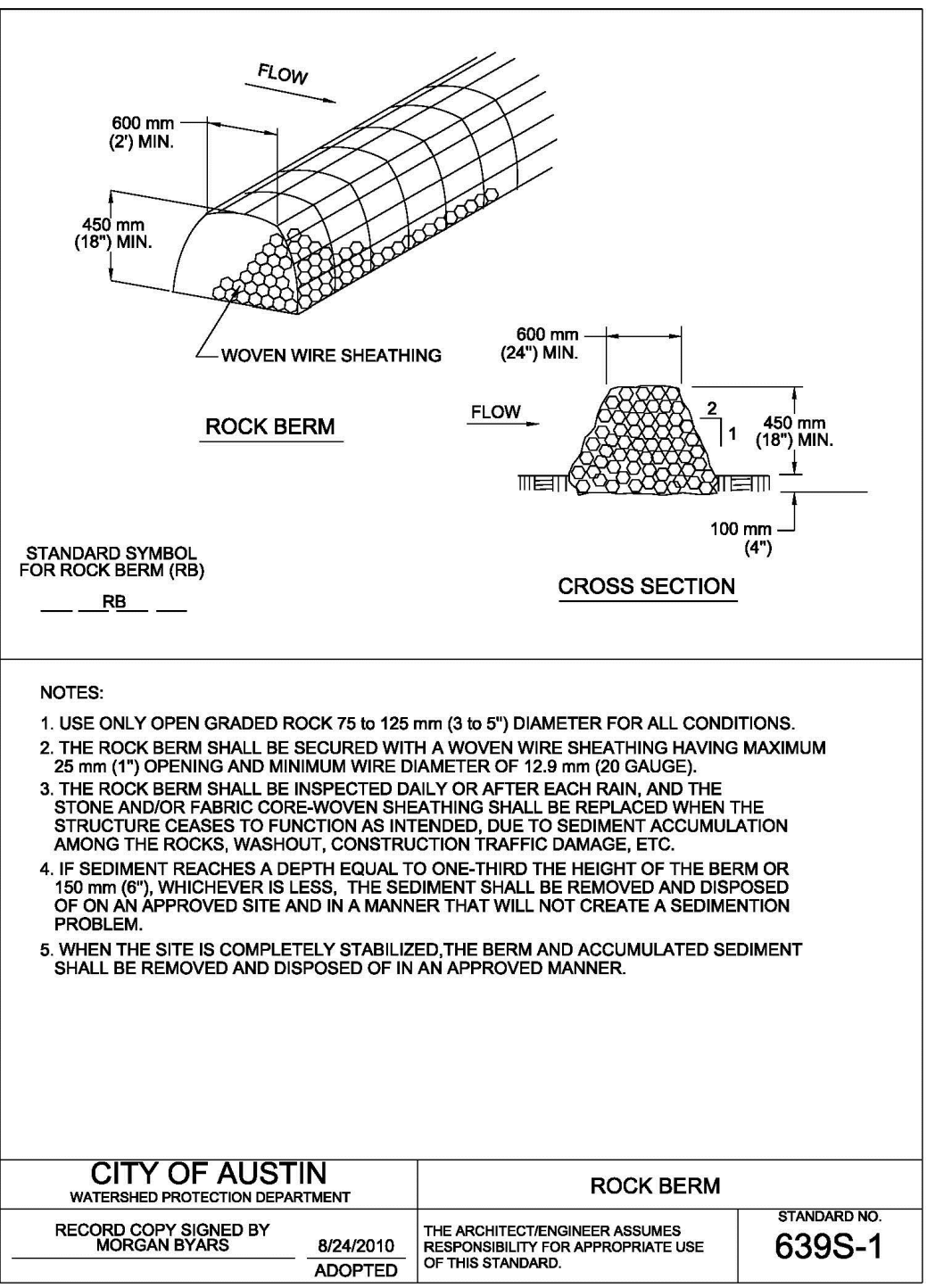
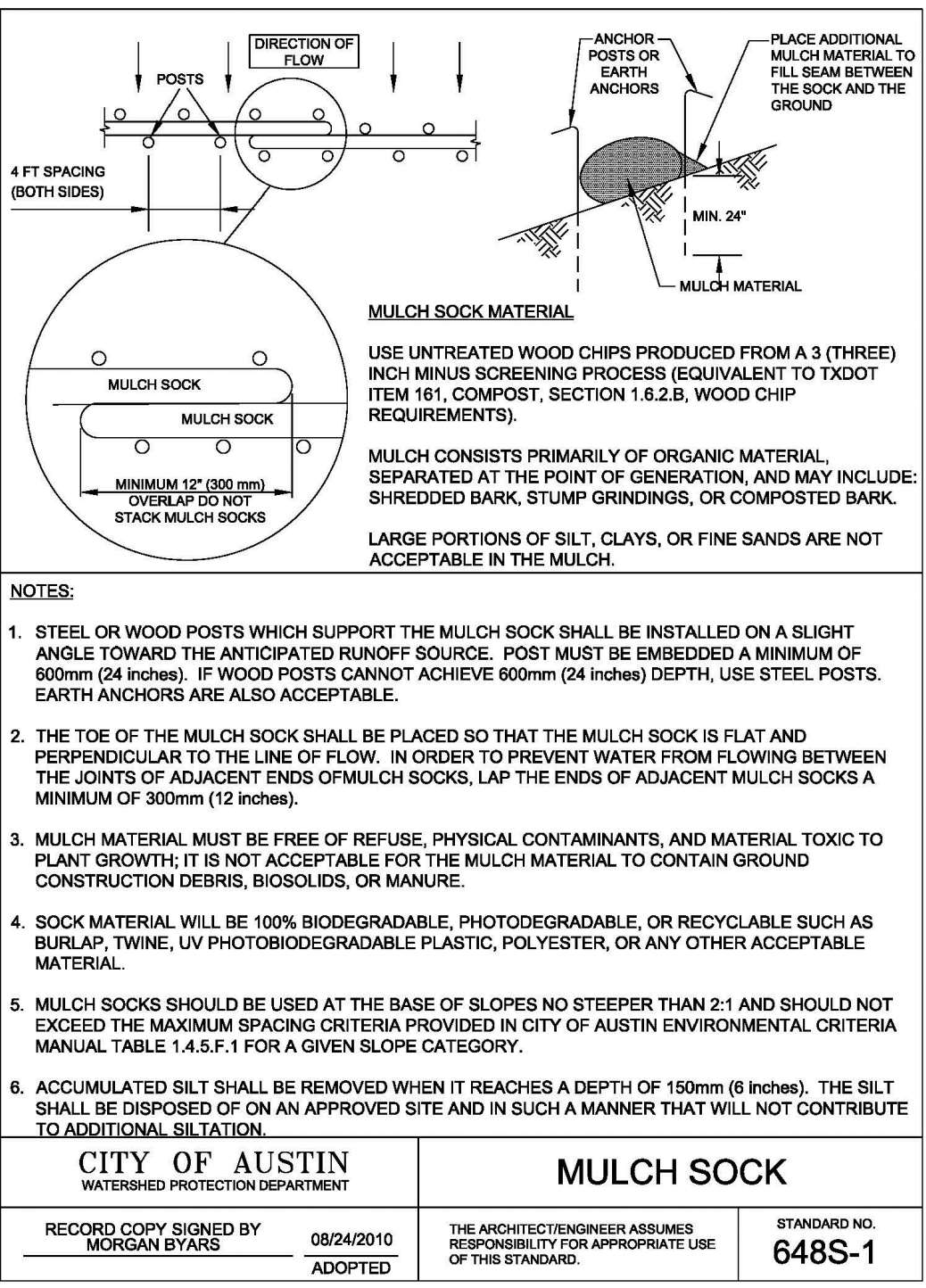
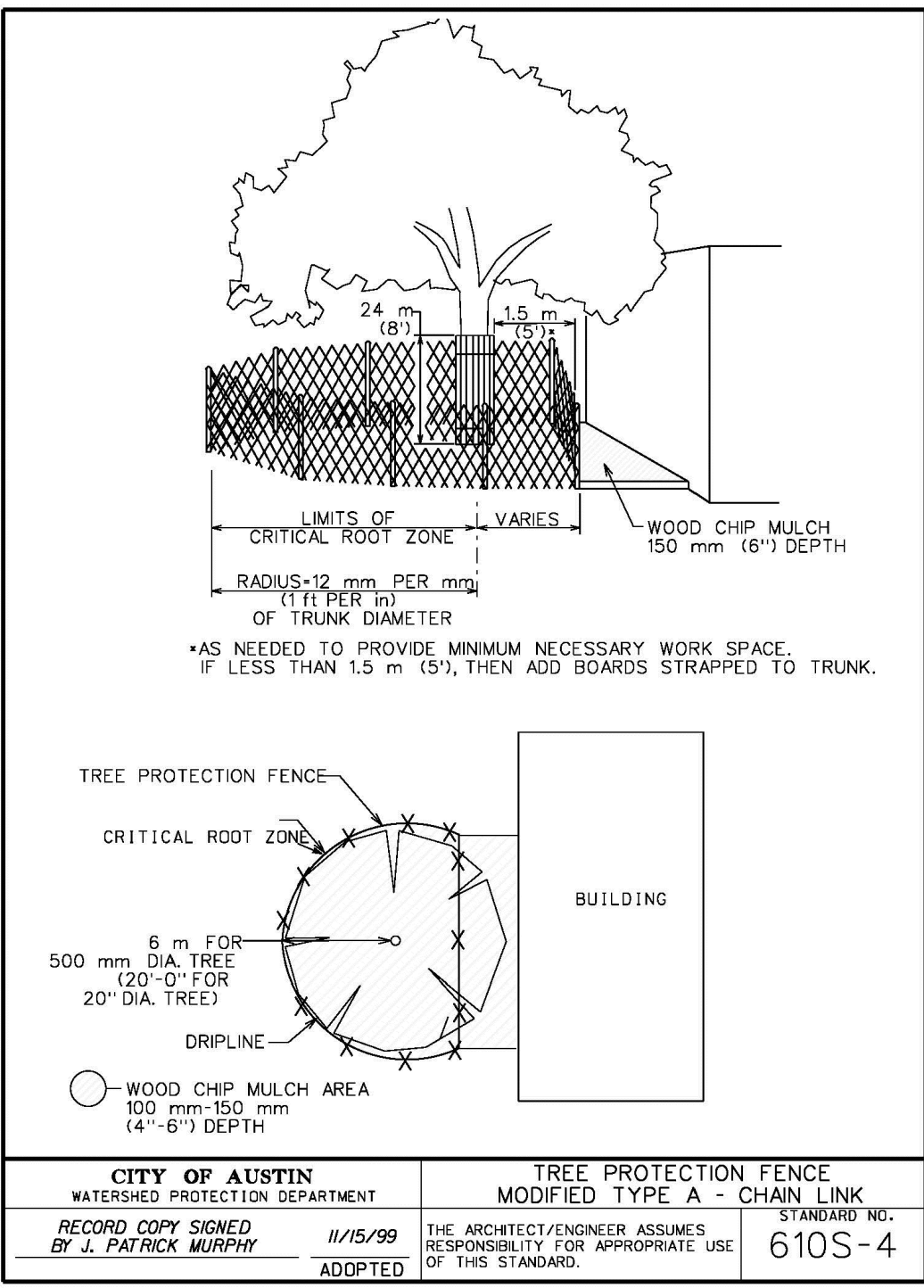
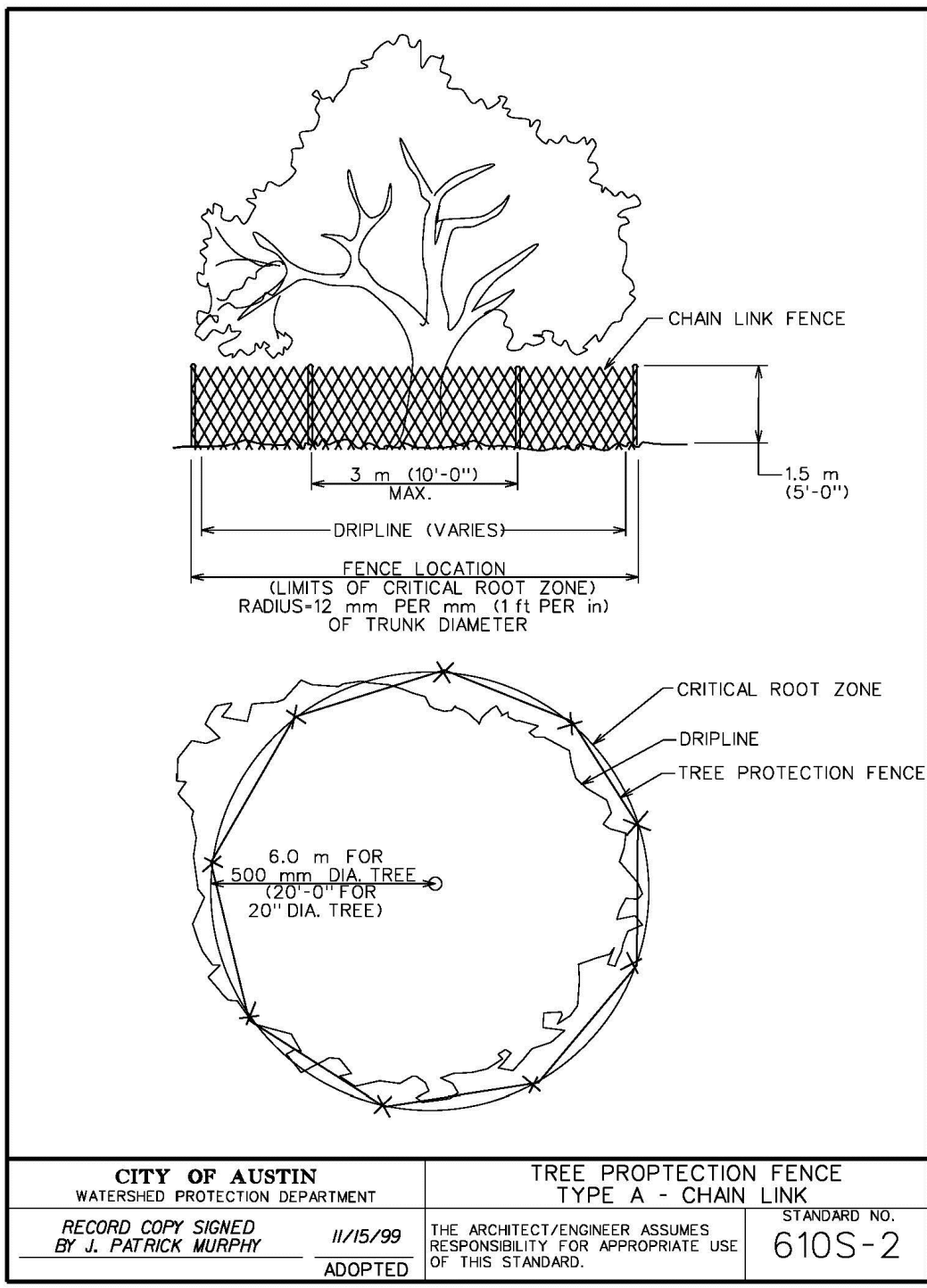
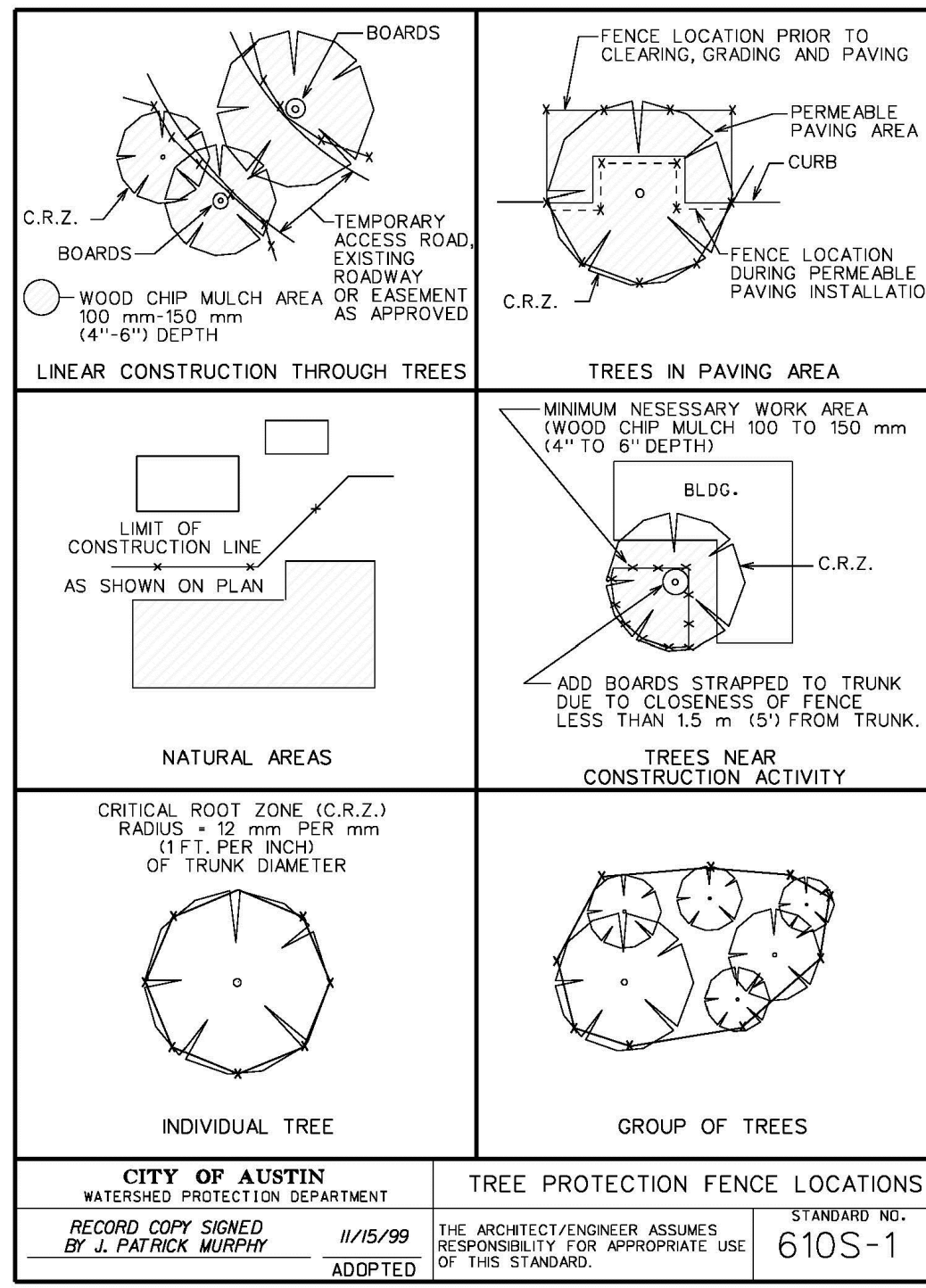
Western Hills Athletic Club
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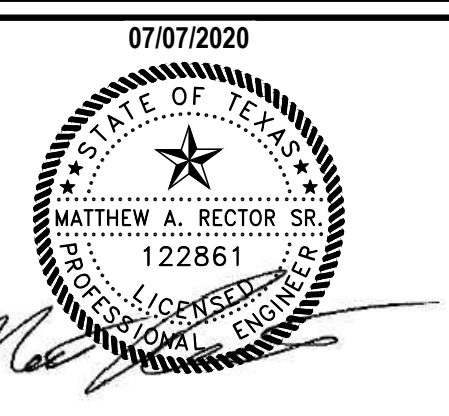
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1. THE EXCAVATION FOR THE CONCRETE TRUCK WASHOUT SHALL BE A MINIMUM OF 10 FEET WIDE AND OF SUFFICIENT LENGTH AND DEPTH TO ACCOMMODATE 7 GALLONS OF WASHOUT WATER AND CONCRETE PER TRUCK PER DAY AND/OR 50 GALLONS OF WASHOUT WATER AND CONCRETE PER PUMP TRUCK PER DAY.
2. IN THE EVENT THAT THE CONCRETE TRUCK WASHOUT IS CONSTRUCTED ABOVE GROUND, IT SHALL BE 10 FEET WIDE AND 10 FEET LONG WITH THE SAME REQUIREMENTS FOR CONTAINMENT AS DESCRIBED IN ITEM 1.
3. THE CONTAINMENT AREA SHALL BE LINED WITH 10 MIL PLASTIC SHEETING WITHOUT HOLES OR TEARS, WHERE THERE ARE SEAMS, THESE SHALL BE SECURED ACCORDING TO MANUFACTURERS DIRECTIONS.
4. THE BERM CONSISTING OF GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK SHALL BE NO LESS THAN 18 INCHES HIGH AND NO LESS THAN 12 INCHES WIDE.
5. THE PLASTIC SHEETING SHALL BE OF SUFFICIENT SIZE SO THAT IT WILL OVERLAP THE TOP OF THE CONTAINMENT AREA AND BE WRAPPED AROUND THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK AT LEAST 2 TIMES.
6. THE GRAVEL BAGS OR CONCRETE BLOCKS SHALL BE PLACED ABUTTING EACH OTHER TO FORM A CONTINUOUS BERM AROUND THE OUTER PERIMETER OF THE CONTAINMENT AREA.
7. THE WASHOUT MATERIAL IN THE CONTAINMENT AREA SHALL NOT EXCEED 50% OF CAPACITY AT ANY ONE TIME.
8. SOLIDS SHALL BE REMOVED FROM CONTAINMENT AREA AND DISPOSED OF PROPERLY, ANY DAMAGE TO THE PLASTIC SHEETING SHALL BE REPAIRED OR SHEETING REPLACED BEFORE THE NEXT USE.

1 10' x 10' CONCRETE WASHOUT
281 SCALE: NTS

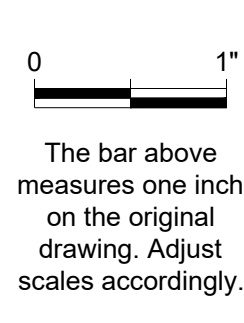


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305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

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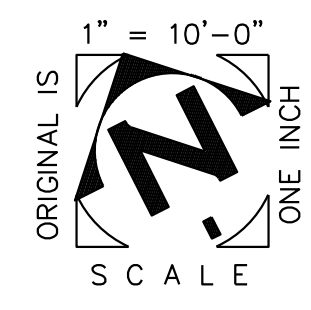
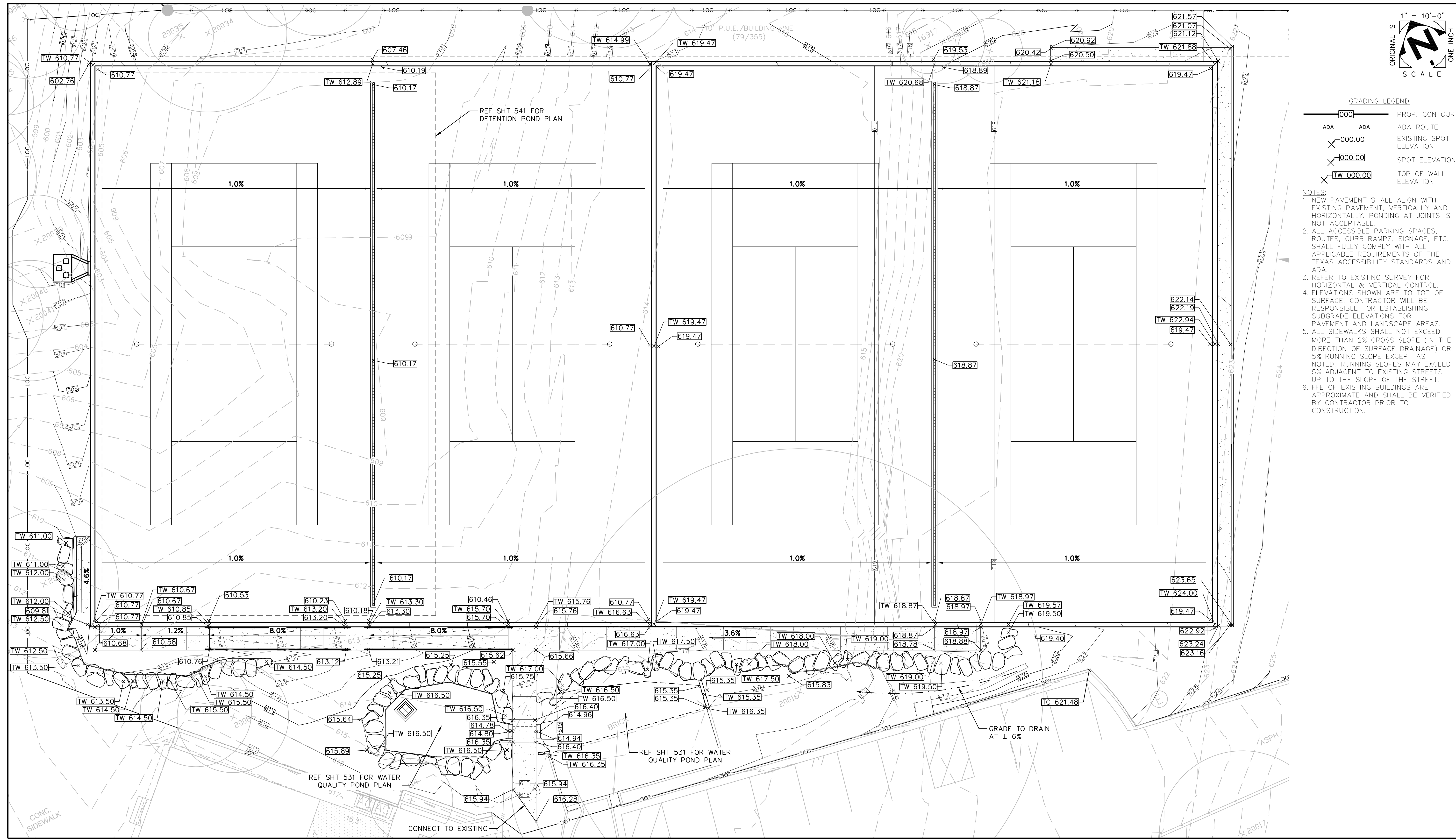
EROSION / SEDIMENTATION CONTROL & TREE PROTECTION DETAILS

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JOB NO: 863-01

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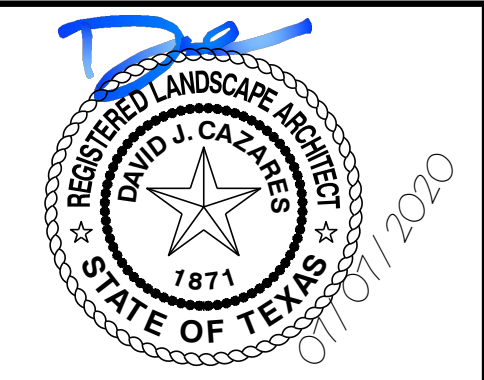
9 OF 26



GRADING LEGEND

	PROP. CONTOUR
	ADA ROUTE
	EXISTING SPOT ELEVATION
	SPOT ELEVATION
	TOP OF WALL ELEVATION

- NOTES:
1. NEW PAVEMENT SHALL ALIGN WITH EXISTING PAVEMENT, VERTICALLY AND HORIZONTALLY. PONDING AT JOINTS IS NOT ACCEPTABLE.
 2. ALL ACCESSIBLE PARKING SPACES, ROUTES, CURB RAMPS, SIGNAGE, ETC. SHALL FULLY COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE TEXAS ACCESSIBILITY STANDARDS AND ADA.
 3. REFER TO EXISTING SURVEY FOR HORIZONTAL & VERTICAL CONTROL.
 4. ELEVATIONS SHOWN ARE TO TOP OF SURFACE. CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING SUBGRADE ELEVATIONS FOR PAVEMENT AND LANDSCAPE AREAS.
 5. ALL SIDEWALKS SHALL NOT EXCEED MORE THAN 2% GROSS SLOPE (IN THE DIRECTION OF SURFACE DRAINAGE) OR 5% RUNNING SLOPE EXCEPT AS NOTED. RUNNING SLOPES MAY EXCEED 5% ADJACENT TO EXISTING STREETS UP TO THE SLOPE OF THE STREET.
 6. FFE OF EXISTING BUILDINGS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

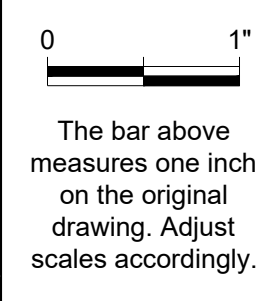


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GRADING PLAN

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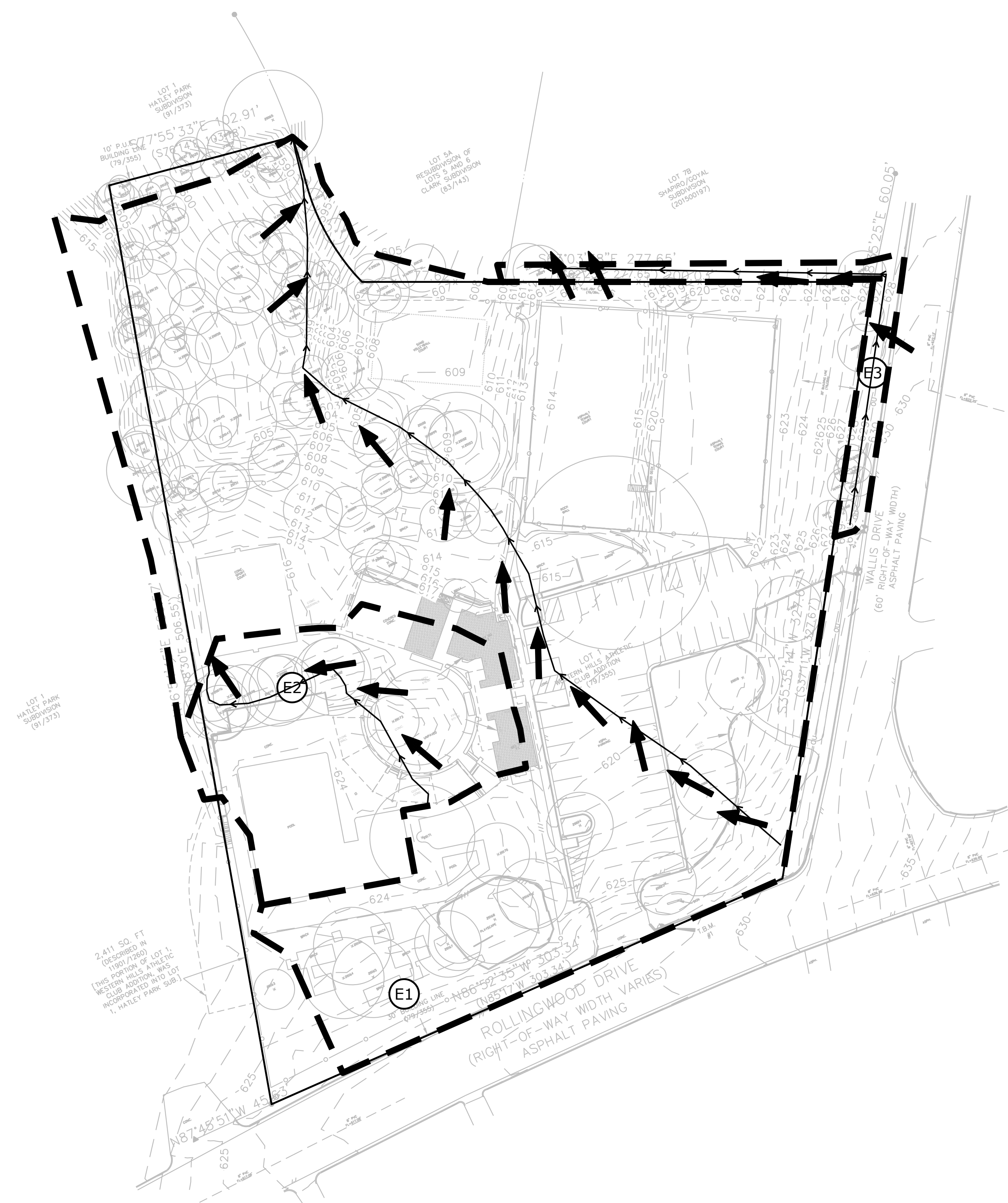
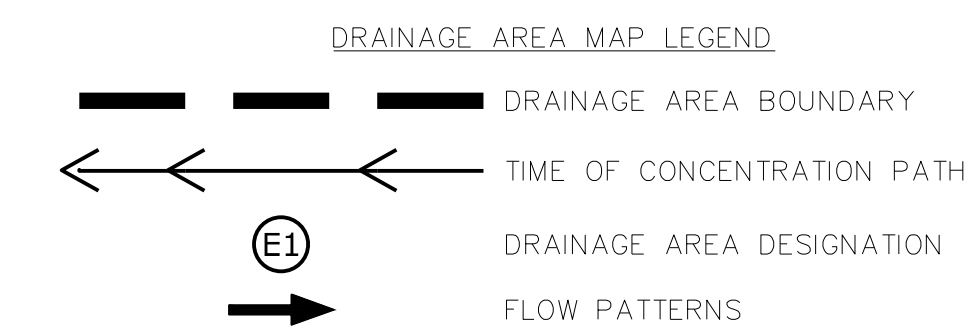
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ORIGINAL IS
 1" = 10'-0"
 ONE INCH
 SCALE

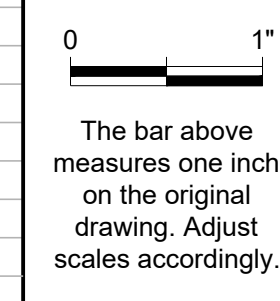


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 Austin, Texas 78752
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 f: 512.453.1734

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EXISTING DRAINAGE AREA MAP

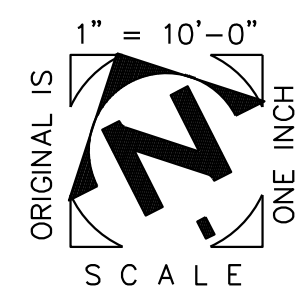
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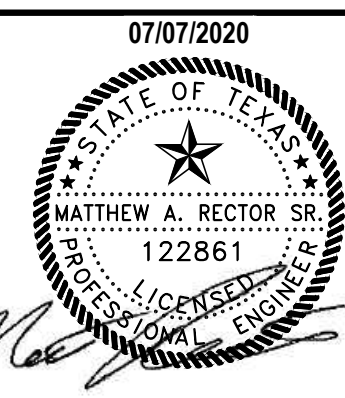


COVER TYPE	HYDROLOGIC CONDITION	CURVE NUMBERS FOR HYDROLOGIC SOIL GROUP				DRAINAGE AREA			COMPOSITE CURVE NUMBER		
		A	B	C	D	1	2	3	1	2	3
Fully developed urban areas (vegetation established)									0	0	0
Open space (lawns, parks, golf courses, cemeteries, etc.)									0	0	0
Poor condition (grass cover 50%)		68	79	86	89				0	0	0
Fair condition (grass cover 50% to 75%)		49	69	79	84				0	0	0
Good condition (grass cover 75%)		39	61	74	80	70853.43	11579.51	4361.65	5668274.4	926360.8	348932
Impervious areas:									0	0	0
Paved parking lots, roofs, driveways, etc. (excluding right of way)		98	98	98	98	44958.42	8107.42	0.00	4405925.16	794527.16	0
Streets and roads:									0	0	0
Paved; curbs and storm drains (excluding right of way)		98	98	98	98				0	0	0
Paved; open ditches (including right of way)		83	89	92	93				0	0	0
Gravel (including right of way)		76	85	89	91				0	0	0
Dirt (including right of way)		72	82	87	89				0	0	0
Developing urban area									0	0	0
Newly graded areas (pervious areas only, no vegetation)		77	86	91	94				0	0	0
Agricultural lands									0	0	0
Grassland, or range-continuous forage for grazing	Poor	68	79	86	89				0	0	0
	Fair	49	69	79	84				0	0	0
	Good	39	61	74	80				0	0	0
Meadow-continuous grass, protected from grazing and generally mowed for hay		30	58	71	78				0	0	0
Brush - brush-weed-grass mixture with brush the major element	Poor	48	67	77	83				0	0	0
	Fair	35	56	70	77				0	0	0
	Good	30	48	65	73				0	0	0
Woods - grass combination (orchard or tree farm)	Poor	57	73	82	86				0	0	0
	Fair	43	65	76	79				0	0	0
	Good	32	58	72	79				0	0	0
Woods - grass combination (orchard or tree farm)	Poor	45	66	77	83				0	0	0
	Fair	36	60	73	79				0	0	0
	Good	30	55	70	77				0	0	0
Farmstead - buildings, lanes, driveways and surrounding lots		59	74	82	86				0	0	0
						SF	115811.85	19686.93	4361.65	87	87
						AC	2.66	0.45	0.10		
						SM	0.004154171	0.00070617	0.000156452		
						% Imp	39%	41%	0%		

E1	
Start Station	0.00 ft
End Station	85.00 ft
Length (L)	85 ft
Manning's n	0.15
2-year 24-hour rain	3.44 inches
Start Elev	629.88 ft
End Elev	620.21 ft
Slope (S)	0.114 ft/ft
T _t	4 minutes
Sheet Flow	
Start Station	85.00 ft
End Station	505.00 ft
Length	420 ft
Start Elev	620.21 ft
End Elev	586.05 ft
Slope (S)	0.081 ft/ft
Surface	UnPaved
T _t	2 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	0.25 sf
Wetted Perimeter (P)	2.00 ft
Hydraulic Radius (r)	0.125 ft
Start Elev	586.05 ft
End Elev	586.05 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	0.00 ft
T _t	0.00 minutes
Channel or Storm Drain Flow	
Time of Concentration	6 0.09534
Lag Time	3

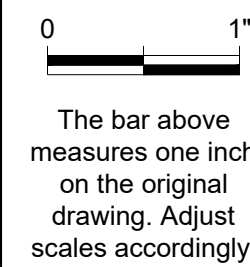
E2	
Start Station	0.00 ft
End Station	100.00 ft
Length (L)	100 ft
Manning's n	0.15
2-year 24-hour rain	3.44 inches
Start Elev	623.981 ft
End Elev	618.12 ft
Slope (S)	0.059 ft/ft
T _t	6 minutes
Sheet Flow	
Start Station	100.00 ft
End Station	184.00 ft
Length	84 ft
Start Elev	618.12 ft
End Elev	616.38 ft
Slope (S)	0.021 ft/ft
Surface	Paved
T _t	0.5 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	4.91 sf
Wetted Perimeter (P)	7.85 ft
Hydraulic Radius (r)	0.625 ft
Start Elev	616.382 ft
End Elev	586.362 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	ft
T _t	0.00 minutes
Channel or Storm Drain Flow	
Time of Concentration	6.5 0.108982
Lag Time	4

E3	
Start Station	0.00 ft
End Station	100.00 ft
Length (L)	100 ft
Manning's n	0.24
2-year 24-hour rain	3.44 inches
Start Elev	629.896 ft
End Elev	628.13 ft
Slope (S)	0.018 ft/ft
T _t	14 minutes
Sheet Flow	
Start Station	100.00 ft
End Station	322.65 ft
Length	223 ft
Start Elev	628.13 ft
End Elev	611.19 ft
Slope (S)	0.076 ft/ft
Surface	Unpaved
T _t	1 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	4.91 sf
Wetted Perimeter (P)	7.85 ft
Hydraulic Radius (r)	0.625 ft
Start Elev	611.192 ft
End Elev	586.362 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	ft
T _t	0.00 minutes
Channel or Storm Drain Flow	
Time of Concentration	15 0.254832
Lag Time	9



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EXISTING DRAINAGE AREA CALCULATIONS

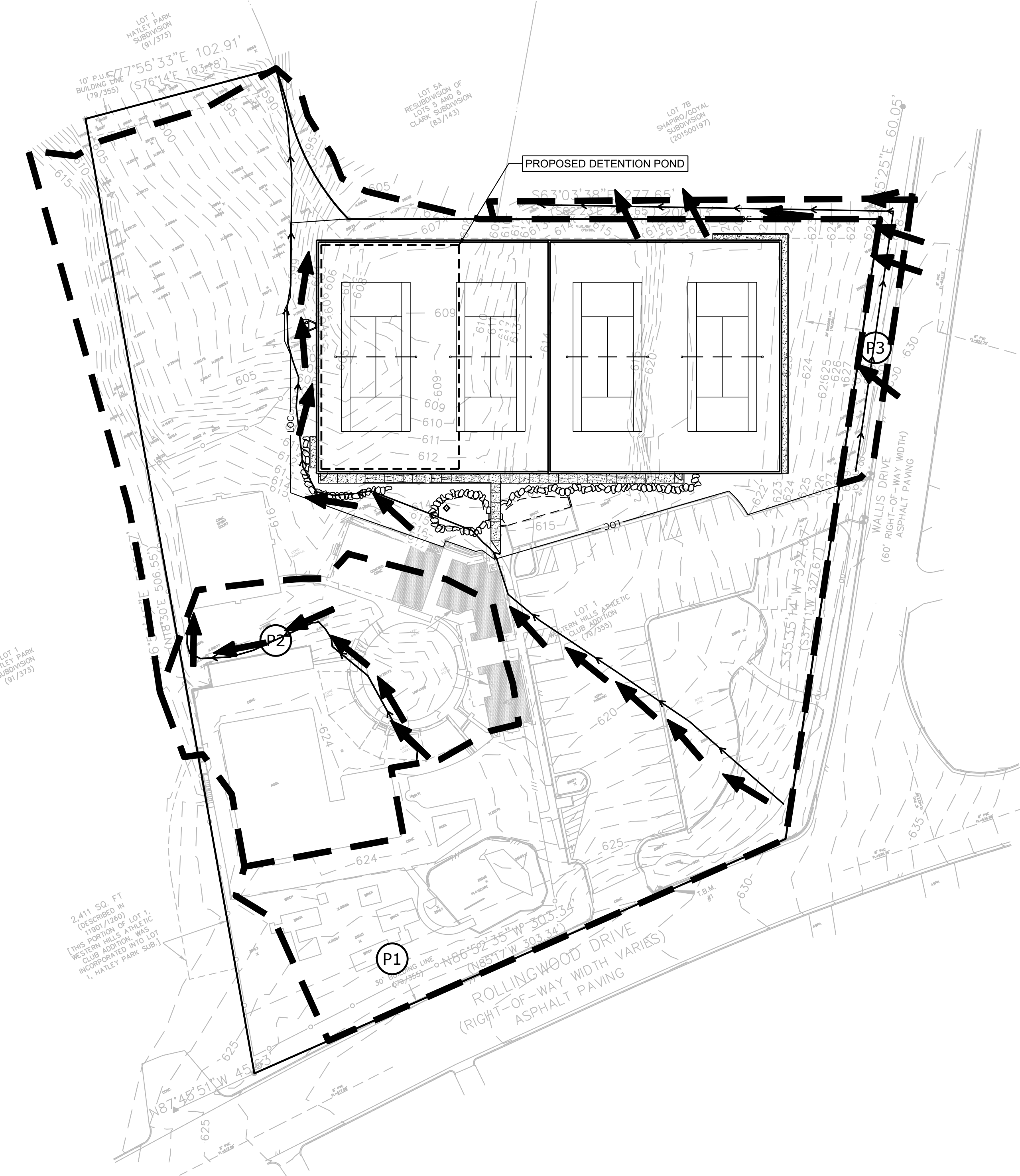
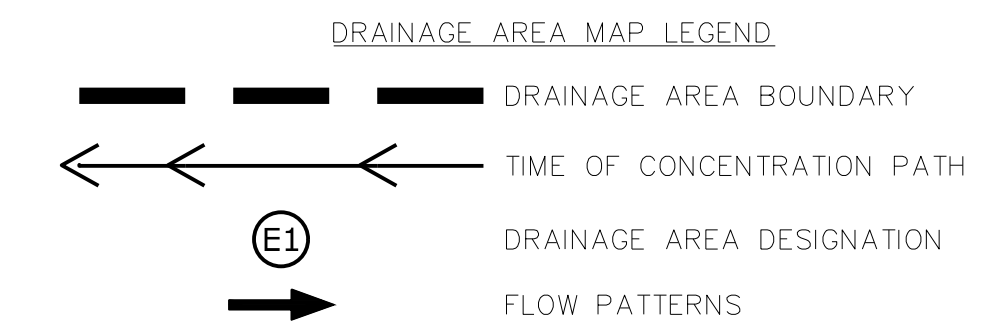
Western Hills Athletic Club
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1" = 10'-0"
SCALE
ORIGINAL IS
ONE INCH

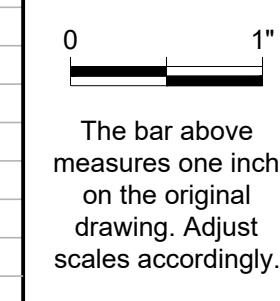


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PROPOSED DRAINAGE AREA MAP

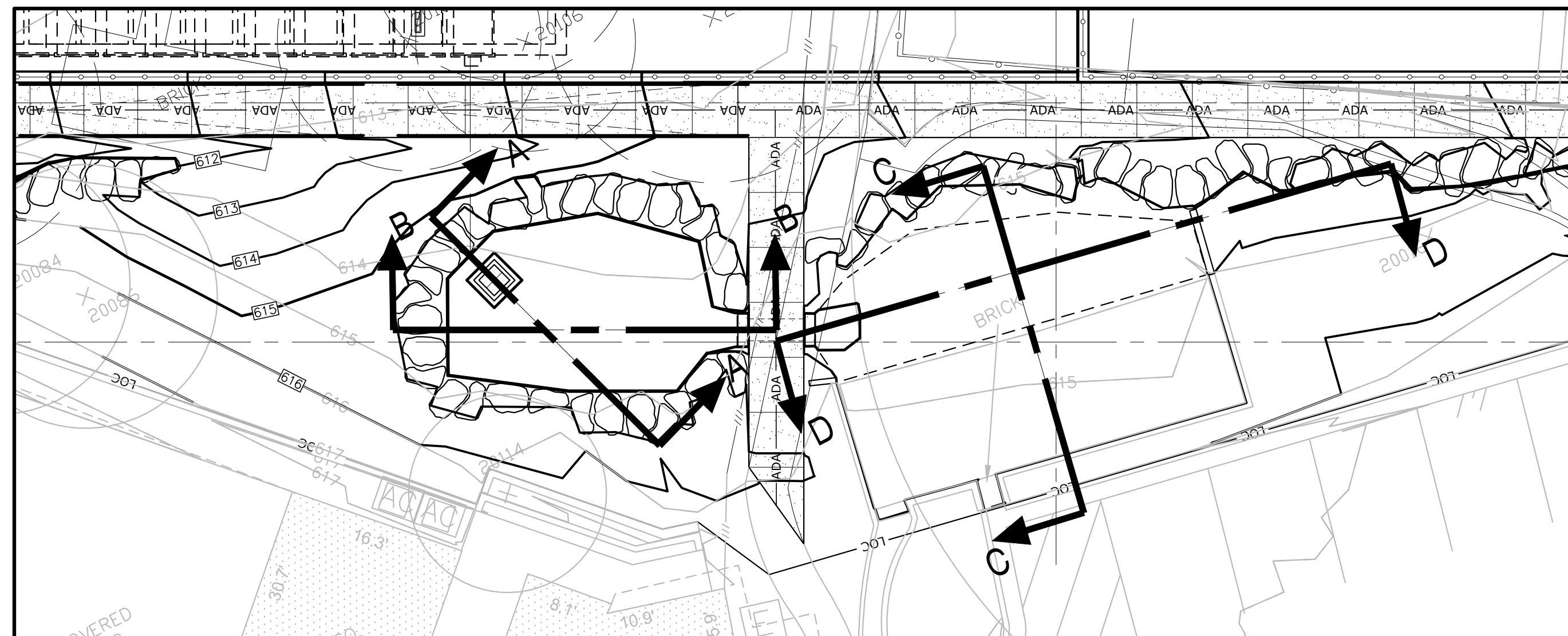
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503

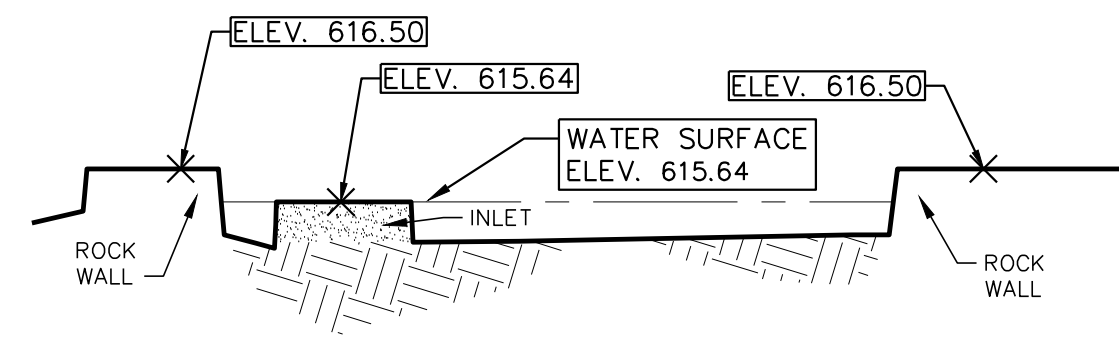
13 OF 26

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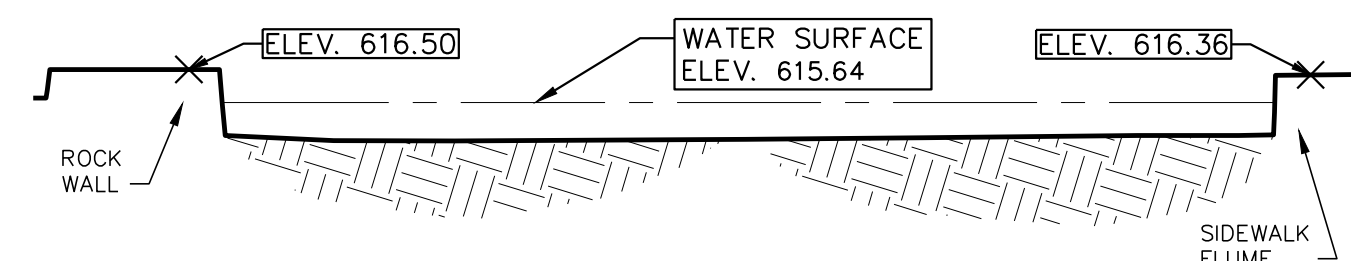


STAGE STORAGE TABLE

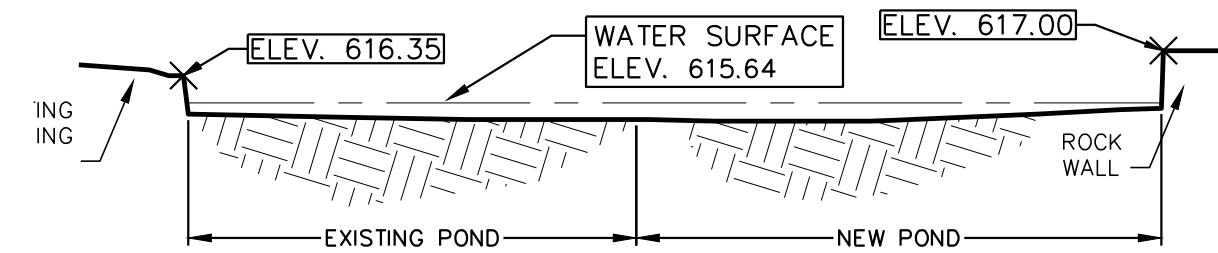
Elevation Area	Depth	Volume
615	341.3957	0
615.64		462.5
616	1109.3625	1 725.3791



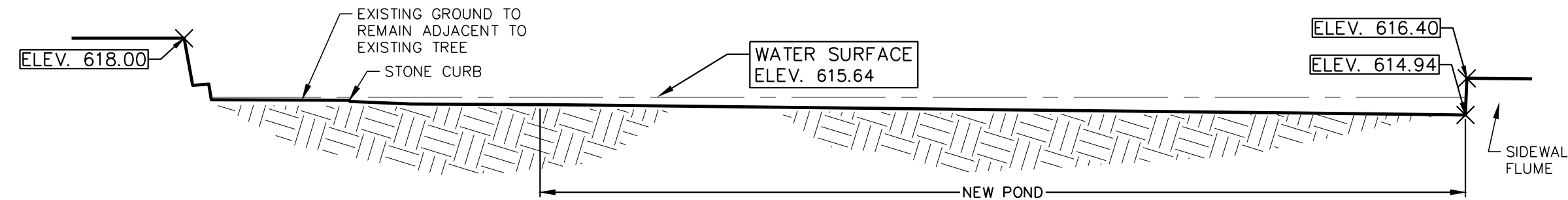
A POND - SECTION A
SCALE: 1" = 5'



B POND - SECTION B
SCALE: 1" = 5'



C POND - SECTION C
SCALE: 1" = 5'



D POND - SECTION D
SCALE: 1" = 5'

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **WESTERN HILLS ATHLETIC CENTER**
Date Prepared: **2/24/2020**

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348. Characters shown in red are data entry fields. Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_d = 27.2(A_p \times P)$

where: L_d TOTAL PROJECT = Required TSS removal resulting from the proposed development = 80% of increased load
 A_p = Net increase in impervious area for the project
 P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project
 County = **Travis**
 Total project area included in plan = **3.21** acres
 Predevelopment impervious area within the limits of the plan = **1.22** acres
 Total post-development impervious area within the limits of the plan = **1.57** acres
 Total post-development impervious cover fraction = **0.49**
 P = **32** inches

L_d TOTAL PROJECT = **305** lbs.

* The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = **1**

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = **1**
 Total drainage basin/outfall area = **2.66** acres
 Predevelopment impervious area within drainage basin/outfall area = **1.03** acres
 Post-development impervious area within drainage basin/outfall area = **1.38** acres
 Post-development impervious fraction within drainage basin/outfall area = **0.62**
 L_d THIS BASIN = **305** lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Bioretention**
 Removal efficiency = **89** percent

4. Calculate Maximum TSS Load Removed (L_d) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_d = (BMP \text{ efficiency}) \times P \times (A_i \times 34.6 + A_p \times 0.54)$

where: A_i = Total On-Site drainage area in the BMP catchment area
 A_p = Impervious area proposed in the BMP catchment area
 A_p = Pervious area remaining in the BMP catchment area
 L_d = TSS Load removed from this catchment area by the proposed BMP

A_i = **1.03** acres
 A_p = **0.60** acres
 A_p = **0.43** acres
 L_d = **598** lbs.

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired L_d THIS BASIN = **139** lbs.
 F = **0.23**

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth = **0.14** inches
 Post Development Runoff Coefficient = **0.41**
 On-site Water Quality Volume = **207** cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = **0.00** acres
 Off-site impervious cover draining to BMP = **0.00** acres
 Impervious fraction of off-site area = **0**
 Off-site Runoff Coefficient = **0.00**
 Off-site Water Quality Volume = **0** cubic feet

Storage for Sediment = **41**
Total Capture Volume (required water quality volume(s) x 1.20) = 248 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP. The values for BMP Types not selected in cell C45 will show NA.

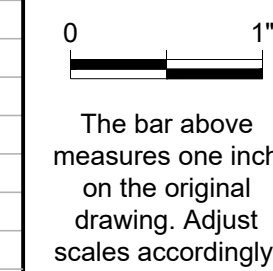
10. Bioretention System Designed as Required in RG-348 Pages 3-63 to 3-65

Required Water Quality Volume for Bioretention Basin =	248	cubic feet
--	------------	------------



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TBPLS FIRM REGISTRATION NO.: 10065600

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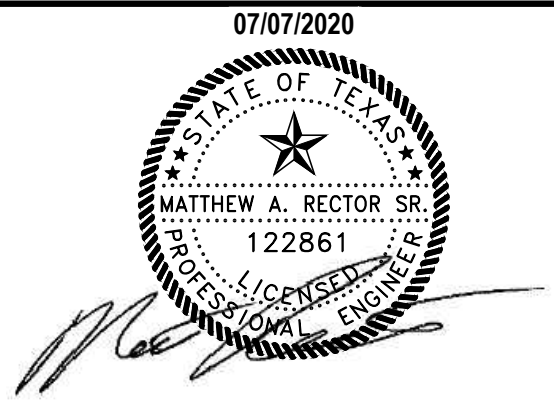
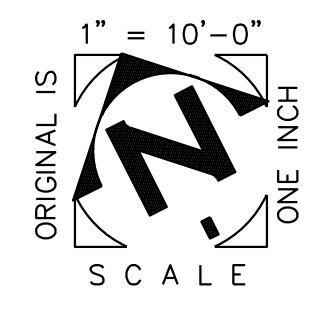
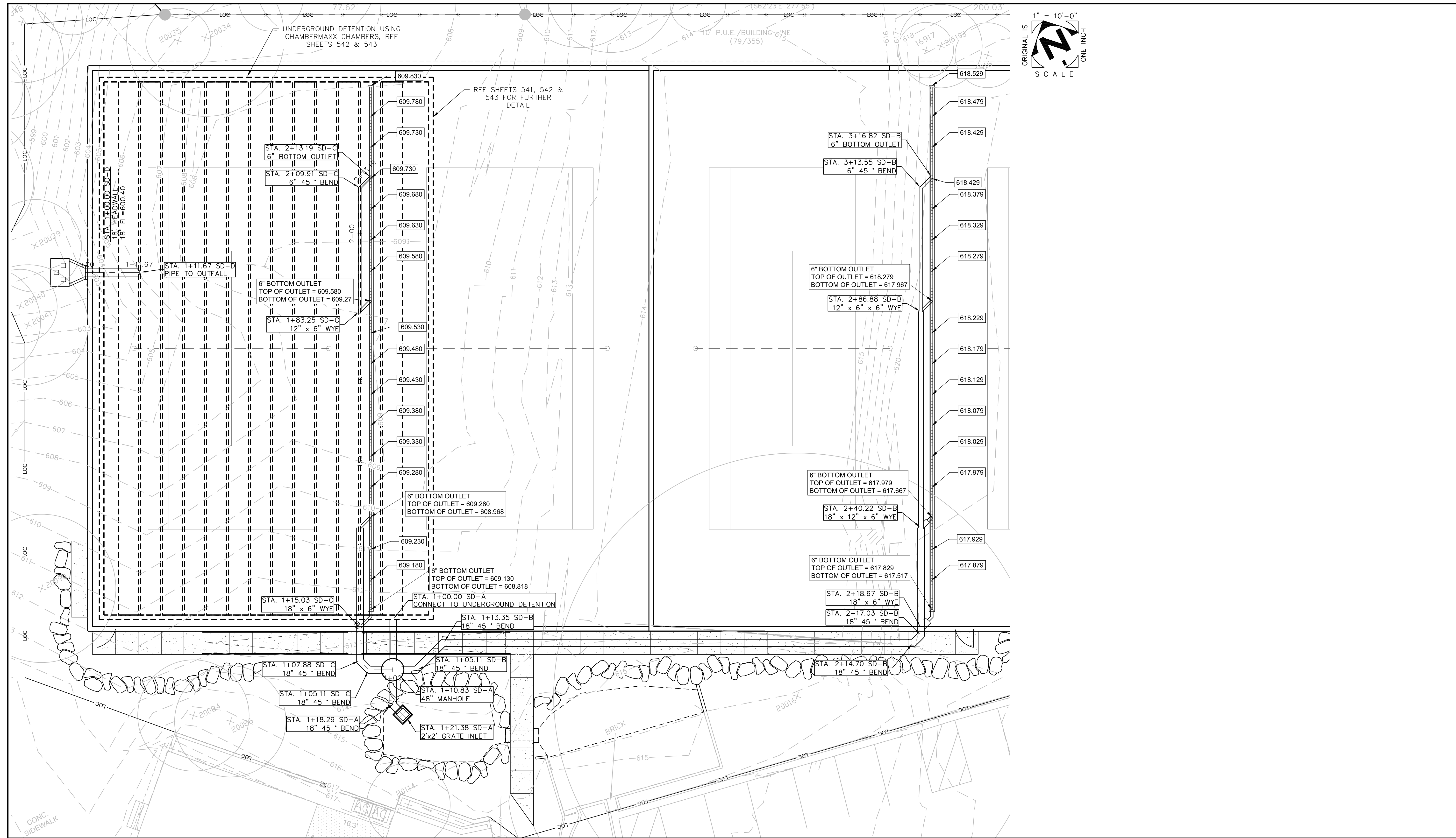
WATER QUALITY POND PLAN

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PLOTTED: 7/7/2020
JOB NO: 863-01

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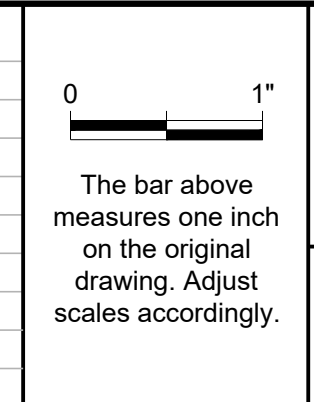


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DETENTION POND PLAN

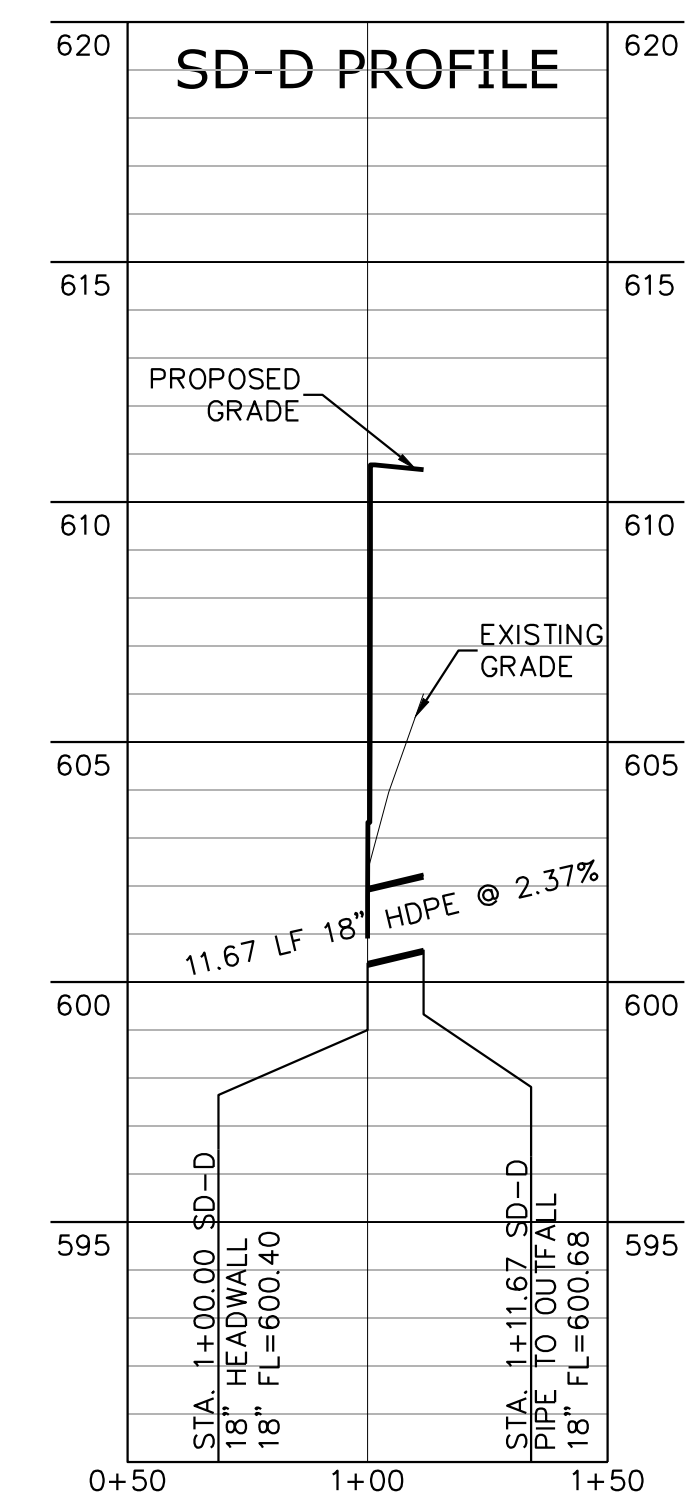
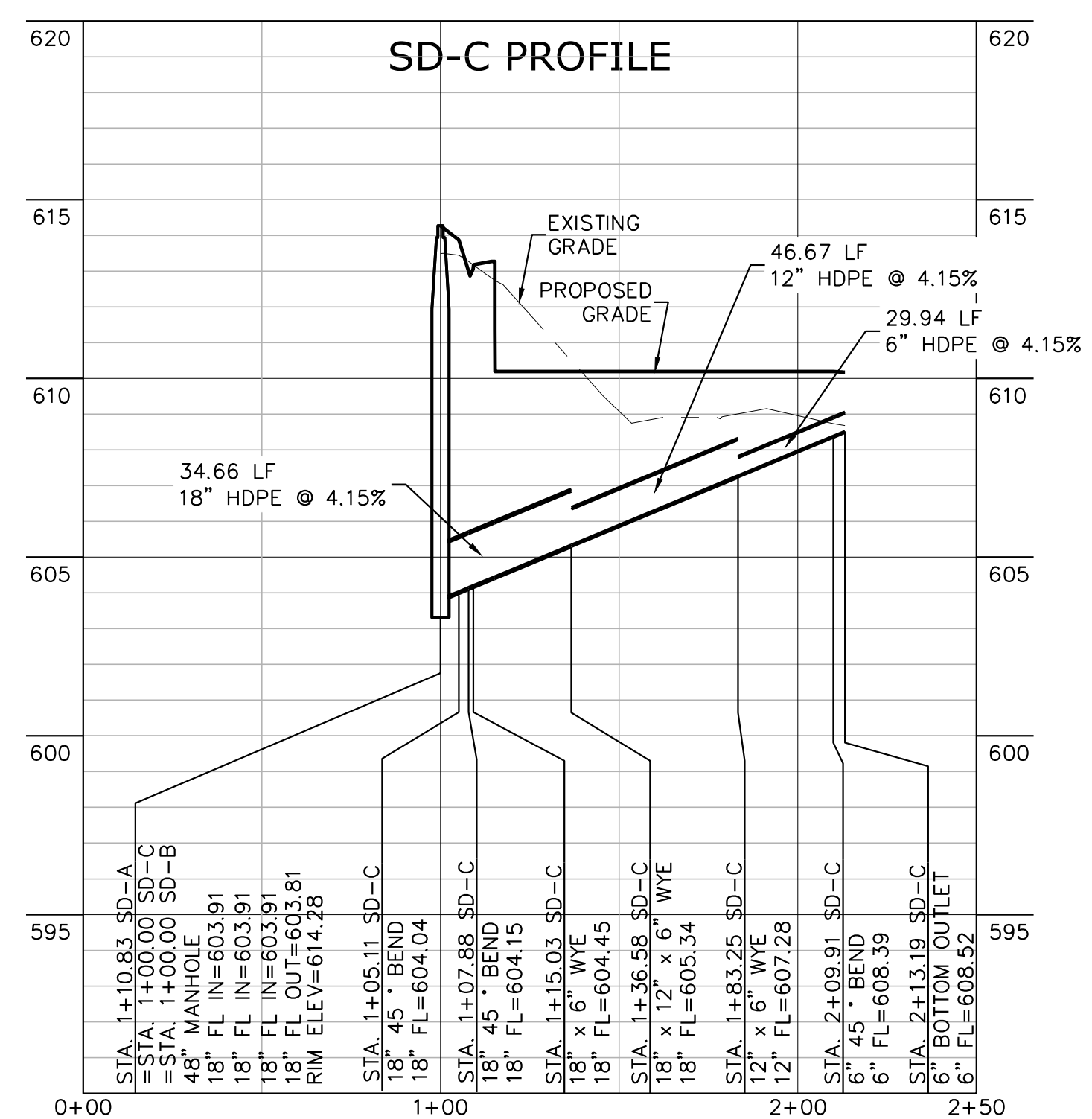
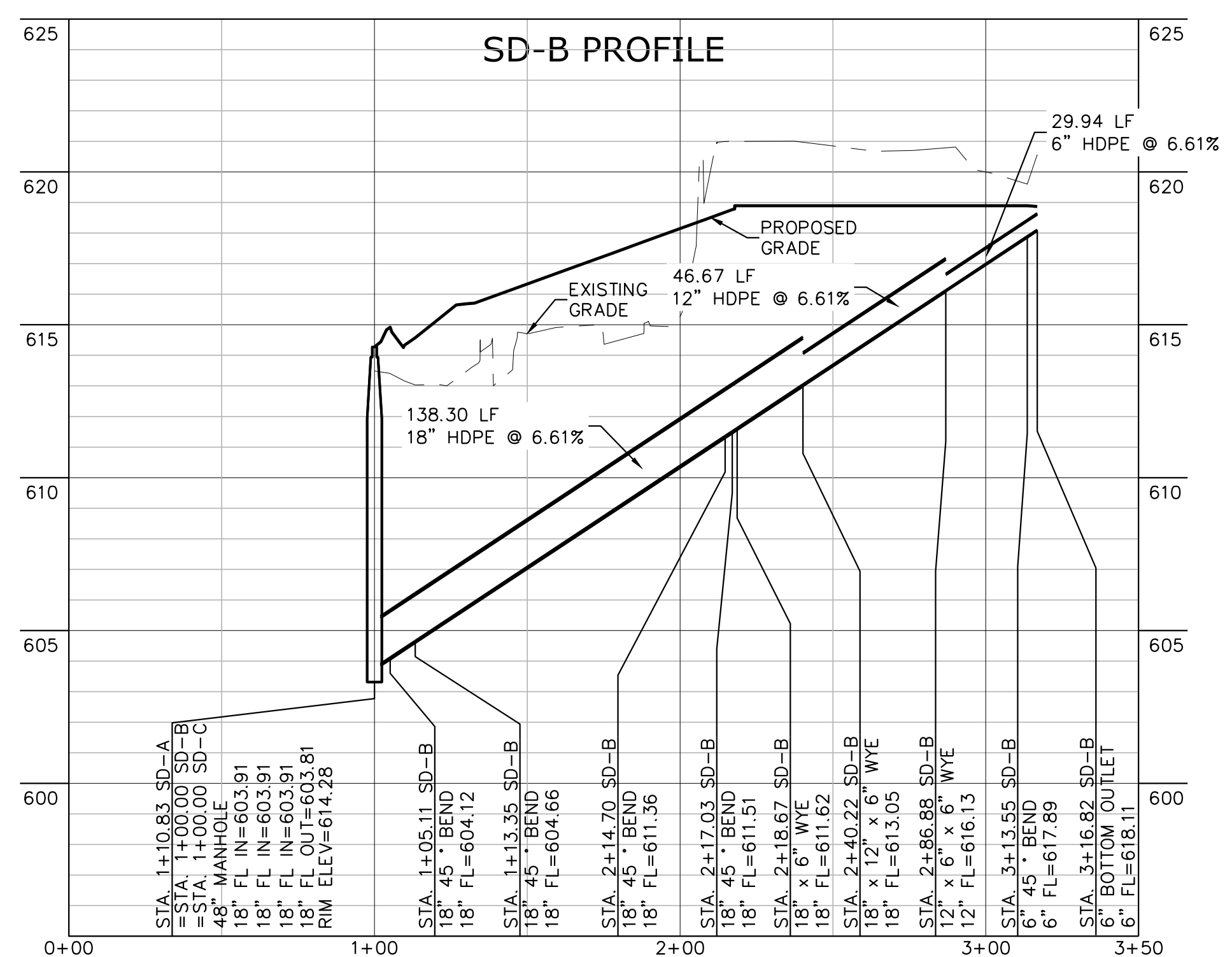
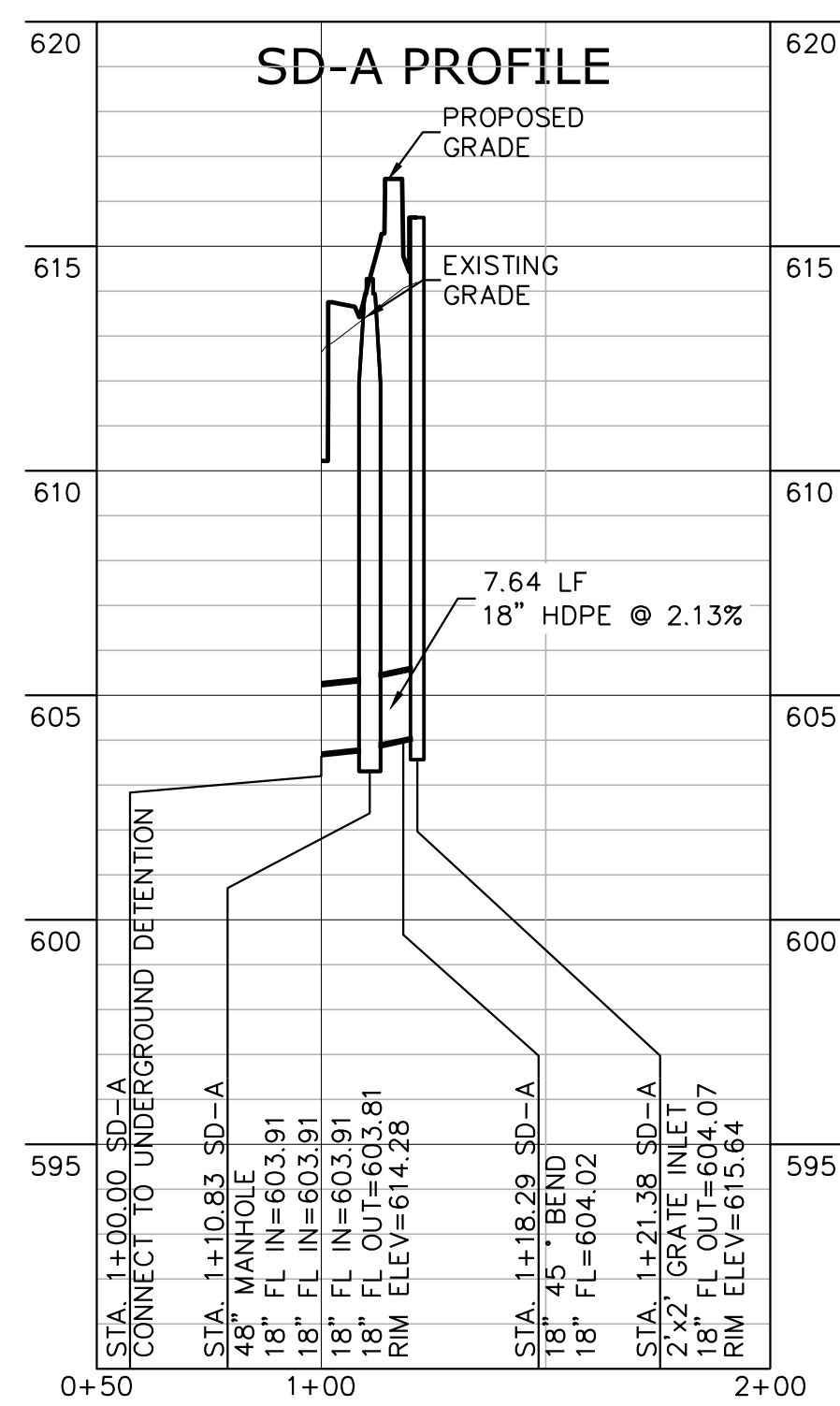
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JOB NO: 863-01

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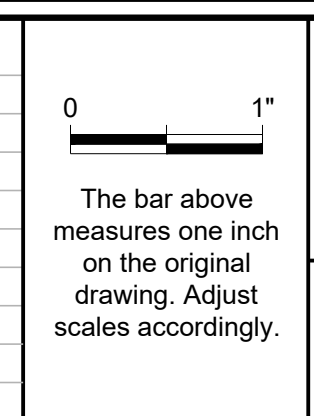
16 OF 26

File: Y:\B63-01_WH_Athletic_Club\CAD\Sheets\541_Detention Pond Plan.dwg 22x34



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 TBPLS FIRM REGISTRATION NO.: 10065600

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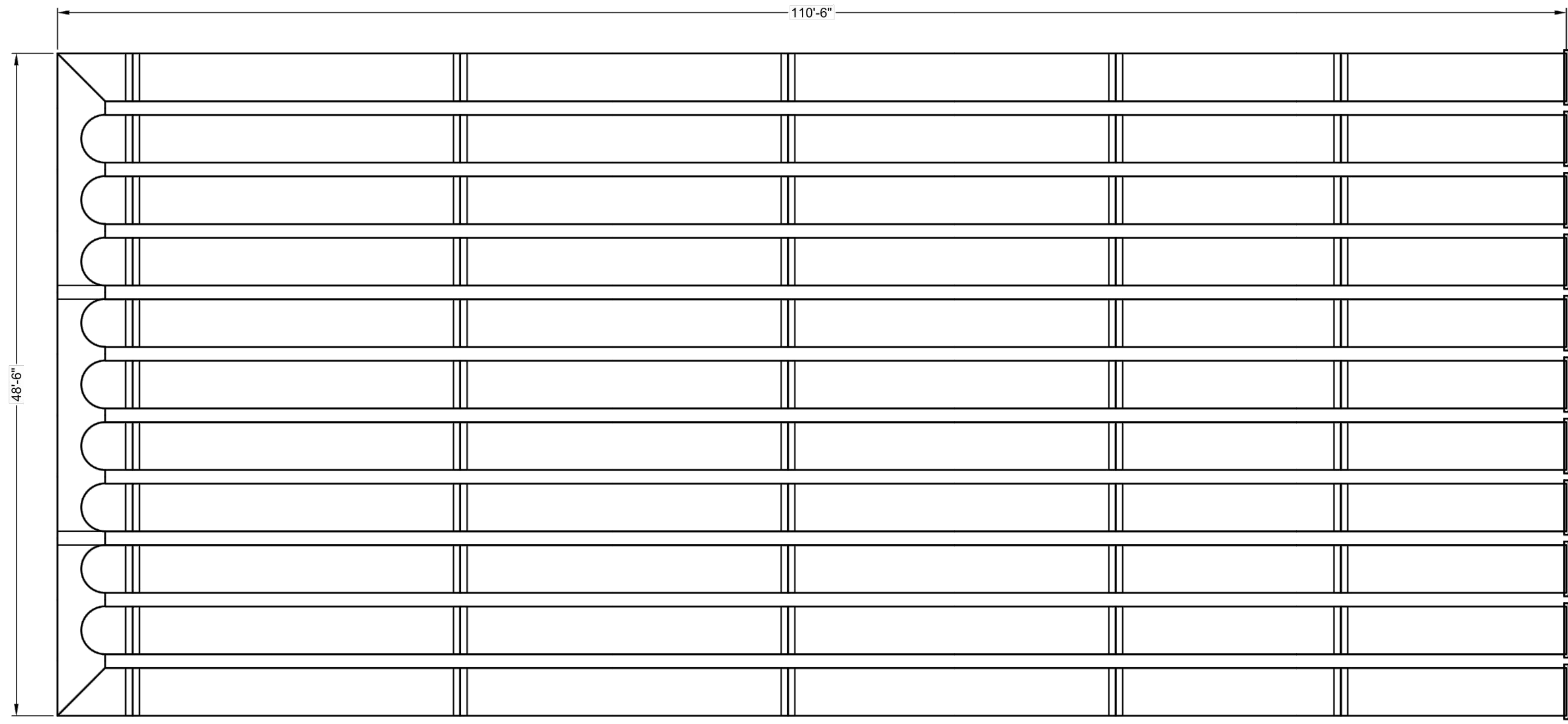
DETENTION POND PLAN

Western Hills Athletic Club
 4801 Rollingwood Drive
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 JOB NO: 863-01

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ASSEMBLY
SCALE: 1" = 10'

PROJECT SUMMARY			
CALCULATION DETAILS • LENGTH PER BARREL = 107 FT • LENGTH PER HEADER = 48.50 FT • LOADING = H20 & H25 • APPROX. CMP FOOTAGE = 1,226 FT	STORAGE SUMMARY • STORAGE VOLUME REQUIRED 15,000 CF • PIPE STORAGE = 11,790 CF • STRUCTURAL BACKFILL STORAGE = 3,280 CF • TOTAL STORAGE PROVIDED = 15,070 CF	PIPE DETAILS • DIAMETER = 42 IN • CORRUGATION = 2-2/3" X 1/2" • GAGE = 16 • COATING = ALUMINIZED STEEL TYPE 2 (ALT2) • WALL TYPE = PERFORATED • BARREL SPACING = 12 IN	BACKFILL DETAILS • WIDTH AT ENDS = 12 IN • ABOVE PIPE = 6 IN • WIDTH AT SIDES = 12 IN • BELOW PIPE = 0 IN

- NOTES**
- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
 - ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
 - ALL RISERS AND STUBS ARE 2 1/2" x 1/2" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
 - RISERS TO BE FIELD TRIMMED TO GRADE.
 - QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
 - THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN. QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.

NOTE:
THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

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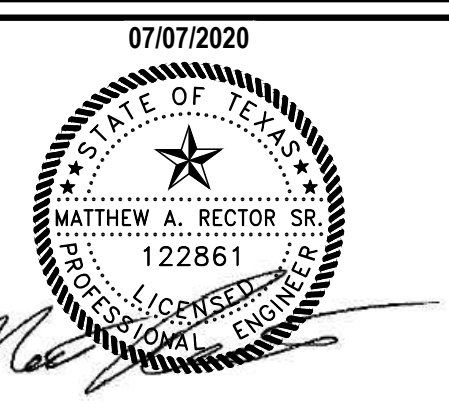
MARK	DATE	REVISION DESCRIPTION	BY

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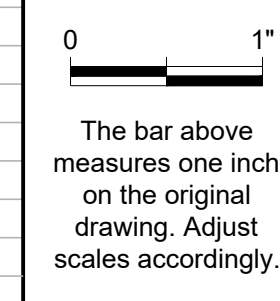
DYODS - 14673-1-0
PROJECT NAME: Western Hills Athletic Club
Austin, TX
DESCRIPTION: UDS

PROJECT No.: 14673-1	SEQ. No.: 0	DATE: 4/7/2020
DESIGNED: DYODS	DRAWN: DYODS	
CHECKED:	APPROVED:	
SHEET No.: D1		



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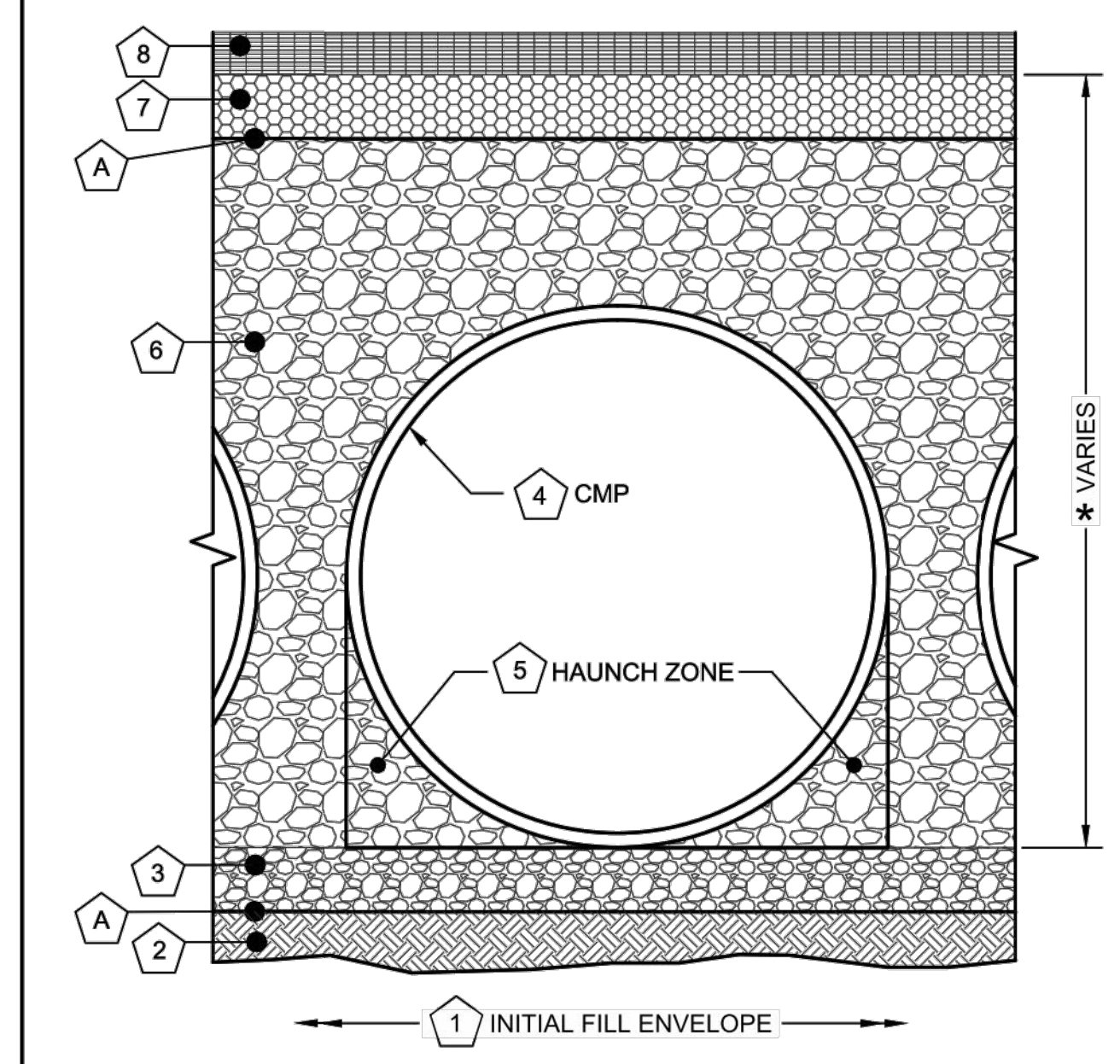
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DETENTION POND DETAILS

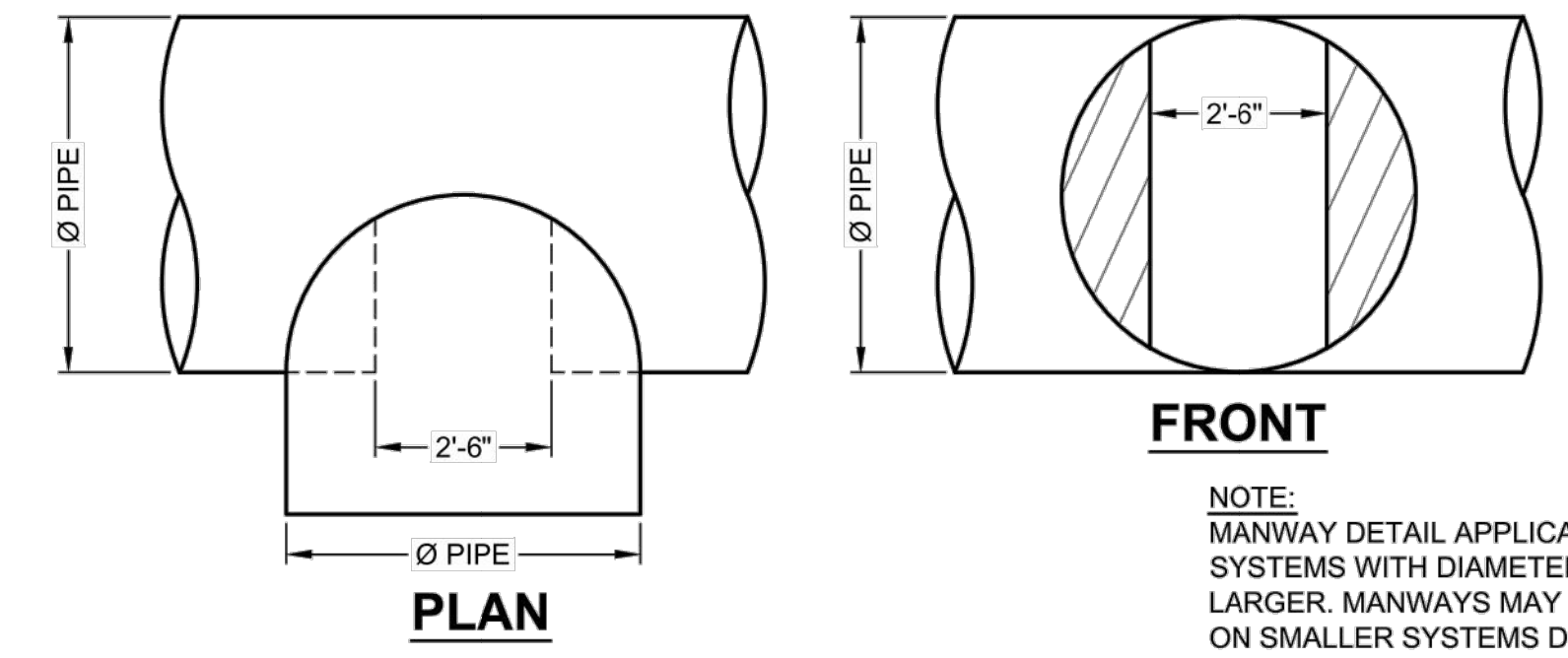
Western Hills Athletic Club
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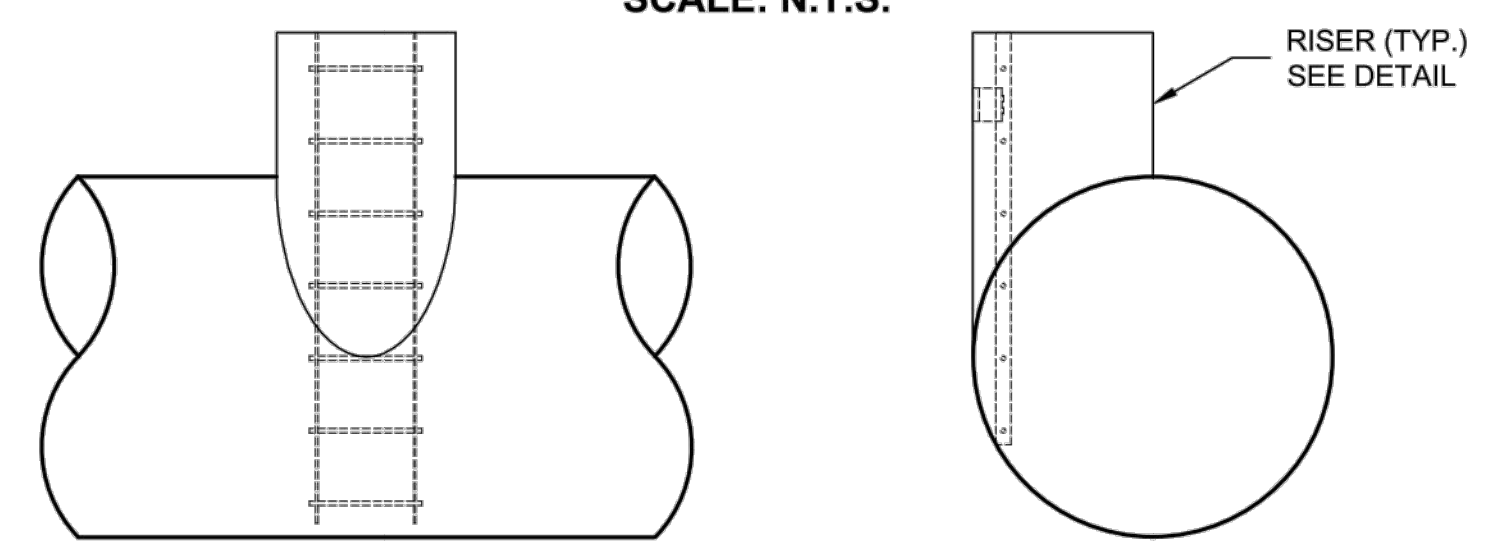
Infiltration Systems - CMP Infiltration & CMP Perforated Drainage Pipe			
Material Location	Description	Material Designation	Designation
8	Rigid or Flexible Pavement (if applicable)		
7	Road Base (if applicable)		
A	Geotextile Layer	Non-Woven Geotextile CONTECH C-40 or C-45	Engineer Decision for consideration to prevent soil migration into varying soil types. Wrap the trench only.
6	Backfill	Infiltration pipe systems have a pipe perforation sized of 3/8" diameter. An open graded, free draining stone, with a particle size of 1/2" - 2 1/2" diameter is recommended. AASHTO M 145-A-1 or AASHTO M 43 - 3, 4	Material shall be worked into the pipe haunches by means of shovel-slicing, rodding, air-tamper, vibratory rod, or other effective methods. Compaction of all placed fill material is necessary and shall be considered adequate when no further yielding of the material is observed under the compactor, or under foot, and the Project Engineer or his representative is satisfied with the level of compaction.
3	Bedding Stone	Well graded granular bedding material w/maximum particle size of 3" AASHTO M43 - 3, 357, 4, 467, 5, 56, 57	For soil aggregates larger than 3/8" a dedicated bedding layer is not required for CMP. Pipe may be placed on the trench bottom comprised of native suitable well graded & granular material. For Arch pipes it is recommended to be shaped to a relatively flat bottom or fine-grade the foundation to a slight v-shape. Soil aggregates less than 3/8" and unsuitable material should be over-excavated and re-placed with a 4"-6" layer of well graded & granular stone per the material designation.
A	Geotextile Layer	None	Contech does not recommend geotextiles be placed under the invert of infiltration systems due to the propensity for geotextiles to clog over time.

* Note: The listed AASHTO designations are for gradation only. The stone must also be angular and clean.



TYPICAL MANWAY DETAIL
SCALE: N.T.S.

NOTE: MANWAY DETAIL APPLICABLE FOR CMP SYSTEMS WITH DIAMETERS 48" AND LARGER. MANWAYS MAY BE REQUIRED ON SMALLER SYSTEMS DEPENDING ON ACTUAL SITE SPECIFIC CONDITIONS.



TYPICAL RISER DETAIL
SCALE: N.T.S.

NOTE: LADDERS ARE OPTIONAL AND ARE NOT REQUIRED FOR ALL SYSTEMS.

1 MINIMUM WIDTH DEPENDS ON SITE CONDITIONS AND ENGINEERING JUDGEMENT.

FOUNDATION/BEDDING PREPARATION

2 PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER.

5 HAUNCH ZONE MATERIAL SHALL BE PLACED AND UNIFORMLY COMPACTED WITHOUT SOFT SPOTS.

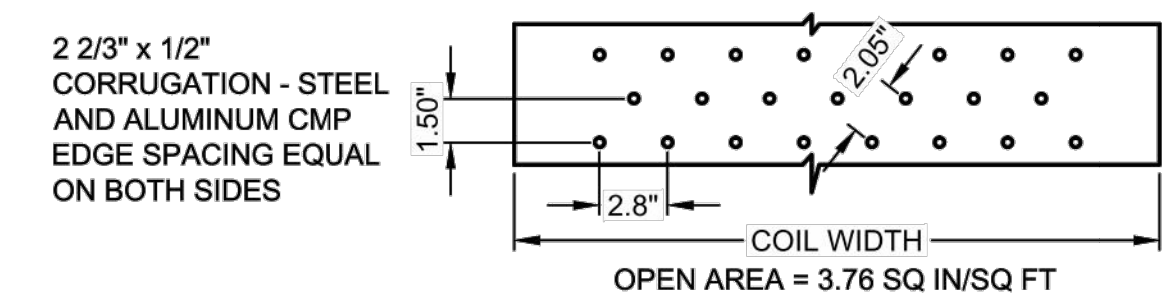
BACKFILL

MATERIAL SHALL BE PLACED IN 8"-10" MAXIMUM LIFTS. INADEQUATE COMPACTION CAN LEAD TO EXCESSIVE DEFLECTIONS WITHIN THE SYSTEM AND SETTLEMENT OF THE SOILS OVER THE SYSTEM. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO-LIFT DIFFERENTIAL BETWEEN THE SIDES OF ANY PIPE IN THE SYSTEM AT ALL TIMES DURING THE BACKFILL PROCESS. BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON ANY PIPES IN THE SYSTEM.

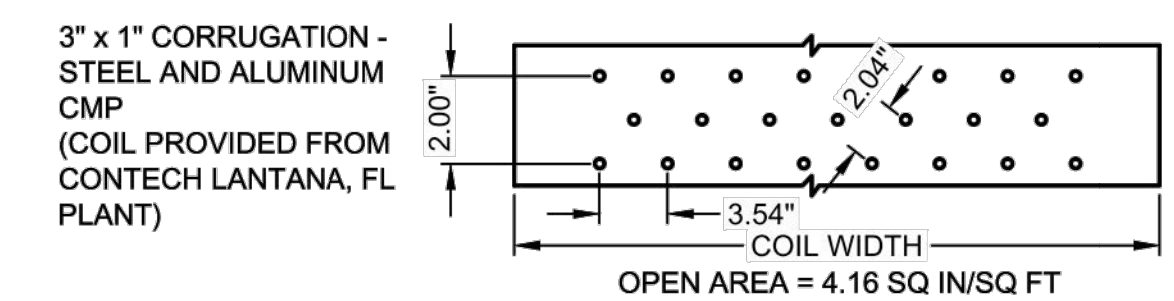
EQUIPMENT USED TO PLACE AND COMPACT THE BACKFILL SHALL BE OF A SIZE AND TYPE SO AS NOT TO DISTORT, DAMAGE, OR DISPLACE THE PIPE. ATTENTION MUST BE GIVEN TO PROVIDING ADEQUATE MINIMUM COVER FOR SUCH EQUIPMENT. MAINTAIN BALANCED LOADING ON ALL PIPES IN THE SYSTEM DURING ALL SUCH OPERATIONS.

OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS. REFER TO TYPICAL BACKFILL DETAIL FOR MATERIAL REQUIRED.

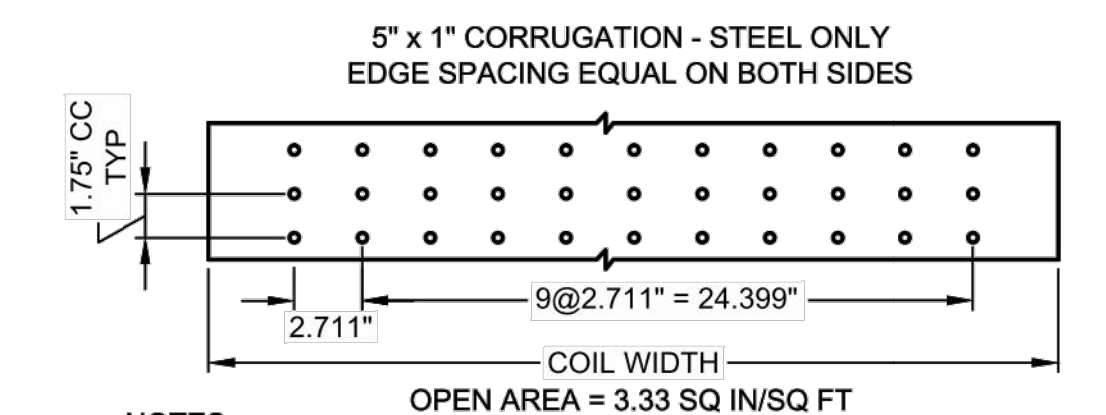
BACKFILL DETAIL
SCALE: N.T.S.



TYPICAL PERFORATION DETAIL
SCALE: N.T.S.



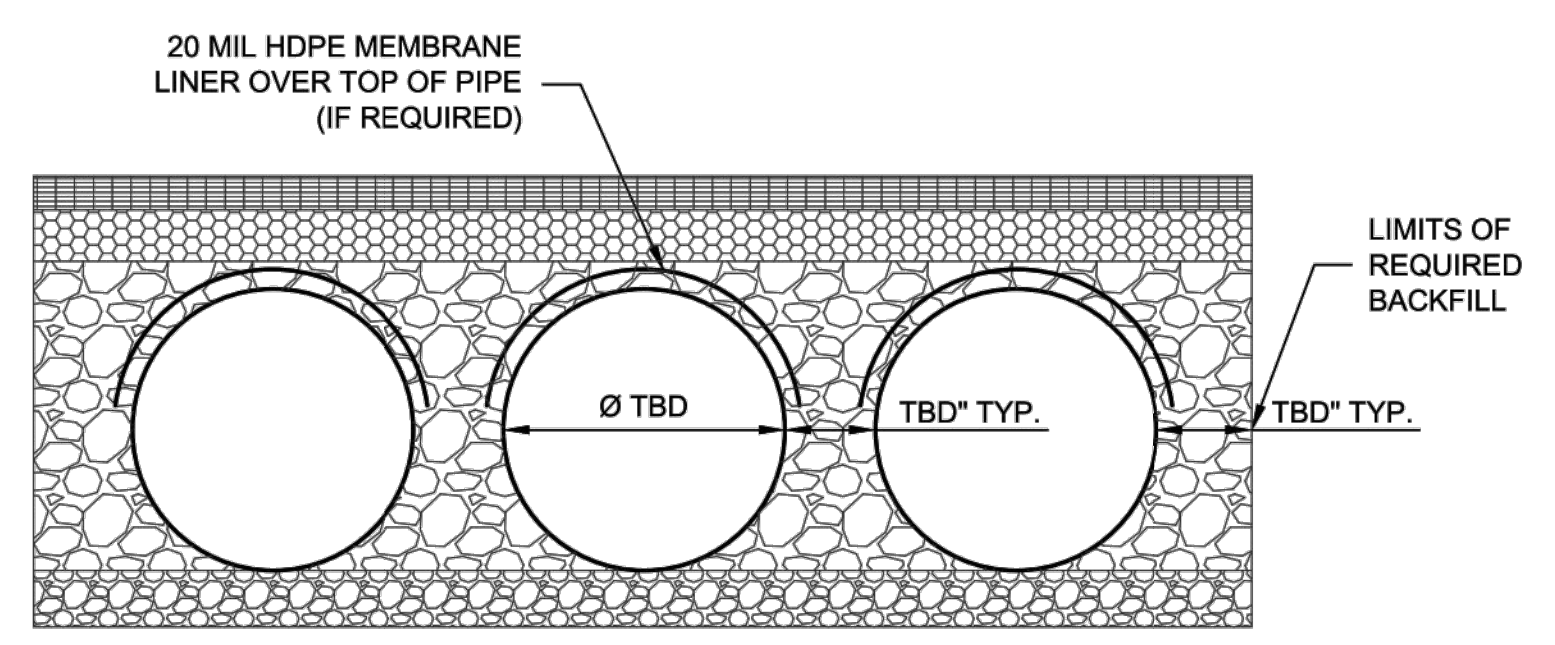
TYPICAL PERFORATION DETAIL
SCALE: N.T.S.



TYPICAL PERFORATION DETAIL
SCALE: N.T.S.

- NOTES:
1. PERFORATIONS MEET AASHTO AND ASTM SPECIFICATIONS.
 2. PERFORATION OPEN AREA PER SQUARE FOOT OF PIPE IS BASED ON THE NOMINAL DIAMETER AND LENGTH OF PIPE.
 3. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
 4. ALL HOLES Ø3/8".

TYPICAL PERFORATION DETAIL
SCALE: N.T.S.



TYPICAL SECTION VIEW
LINER OVER ROWS
SCALE: N.T.S.

NOTE: IF SALTING AGENTS FOR SNOW AND ICE REMOVAL ARE USED ON OR NEAR THE PROJECT, AN HDPE MEMBRANE LINER IS RECOMMENDED WITH THE SYSTEM. THE IMPERMEABLE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM A CHANGE IN THE SURROUNDING ENVIRONMENT OVER A PERIOD OF TIME. PLEASE REFER TO THE CORRUGATED METAL PIPE DETENTION DESIGN GUIDE FOR ADDITIONAL INFORMATION.

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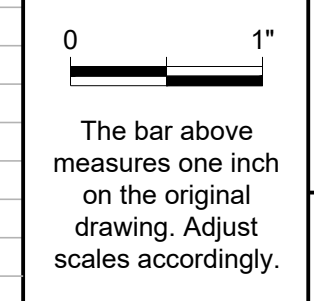
DYODS - 14673-1-0
PROJECT NAME: Western Hills Athletic Club
Austin, TX
DESCRIPTION: UDS

PROJECT No.: 14673-1	SEQ. No.: 0	DATE: 4/7/2020
DESIGNED: DYODS	DRAWN: DYODS	
CHECKED:	APPROVED:	
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mwm
Design Group
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
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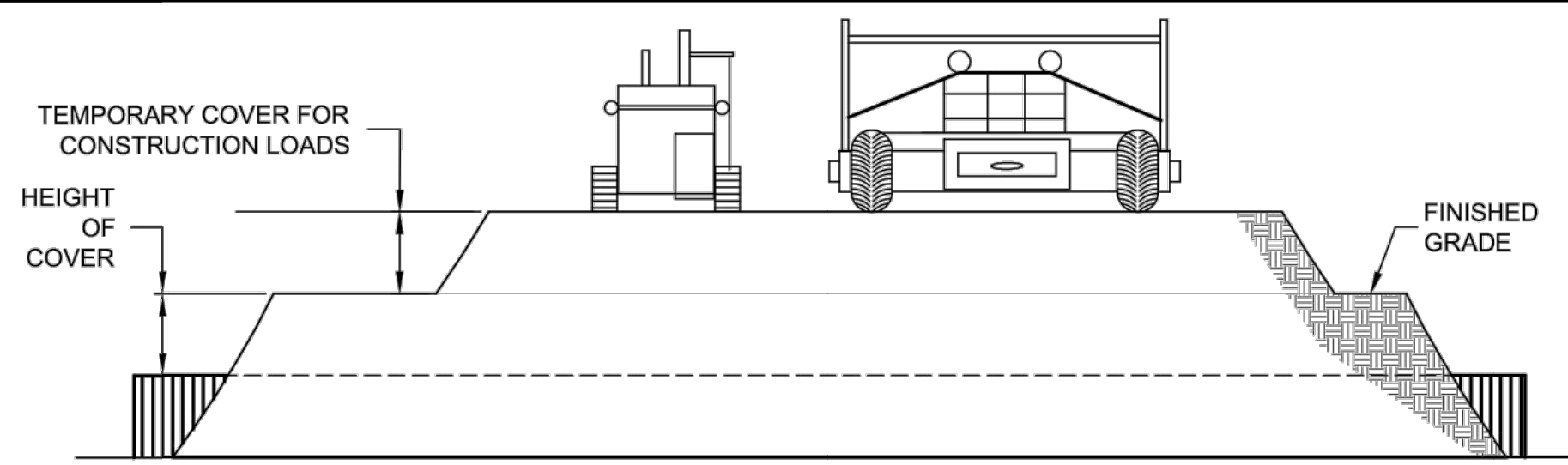


DETENTION POND DETAILS

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01
544
19 OF 26

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CONSTRUCTION LOADS

FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

PIPE SPAN, INCHES	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM
SCALE: N.T.S.

SPECIFICATION FOR DESIGNED DETENTION SYSTEM:

SCOPE
THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE DESIGNED DETENTION SYSTEM DETAILED IN THE PROJECT PLANS.

MATERIAL
THE MATERIAL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-274 OR ASTM A-92.

THE GALVANIZED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-218 OR ASTM A-929.

THE POLYMER COATED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-246 OR ASTM A-742.

THE ALUMINUM COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-197 OR ASTM B-744.

CONSTRUCTION LOADS
CONSTRUCTION LOADS MAY BE HIGHER THAN FINAL LOADS. FOLLOW THE MANUFACTURER'S OR NCSPA GUIDELINES.

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PIPE
THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2: AASHTO M-36 OR ASTM A-760

GALVANIZED: AASHTO M-36 OR ASTM A-760

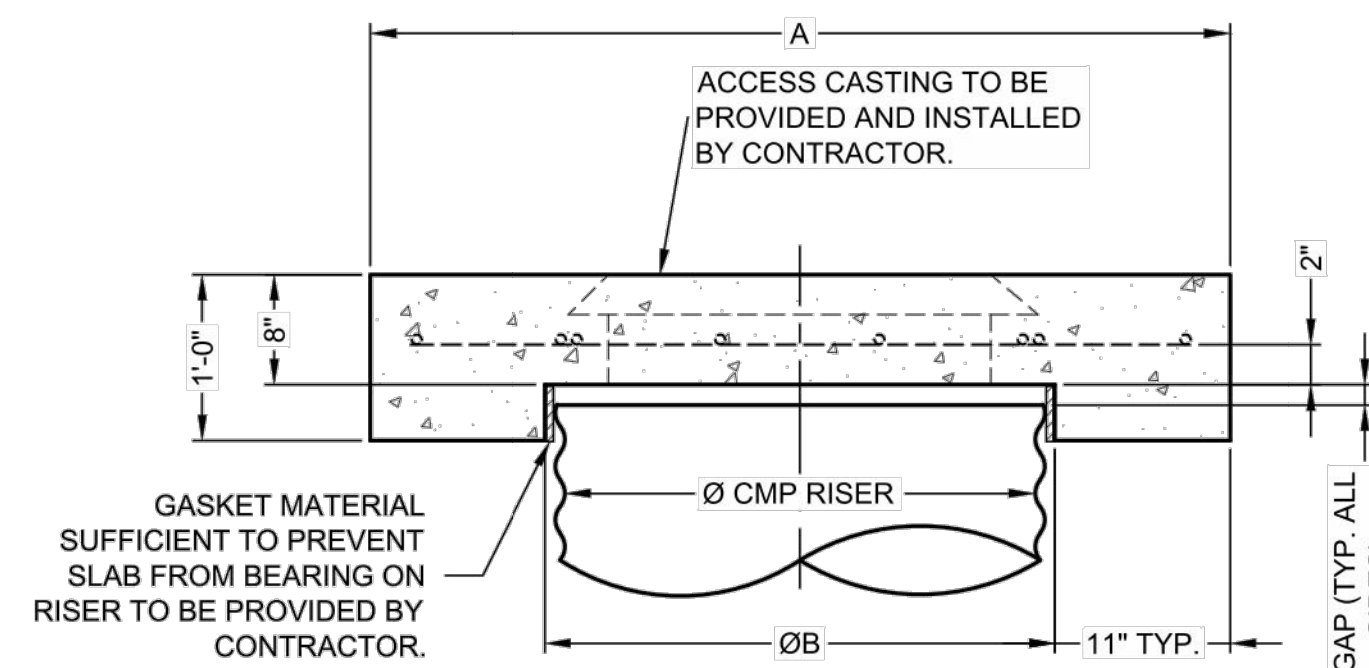
POLYMER COATED: AASHTO M-245 OR ASTM A-762

ALUMINUM: AASHTO M-196 OR ASTM B-745

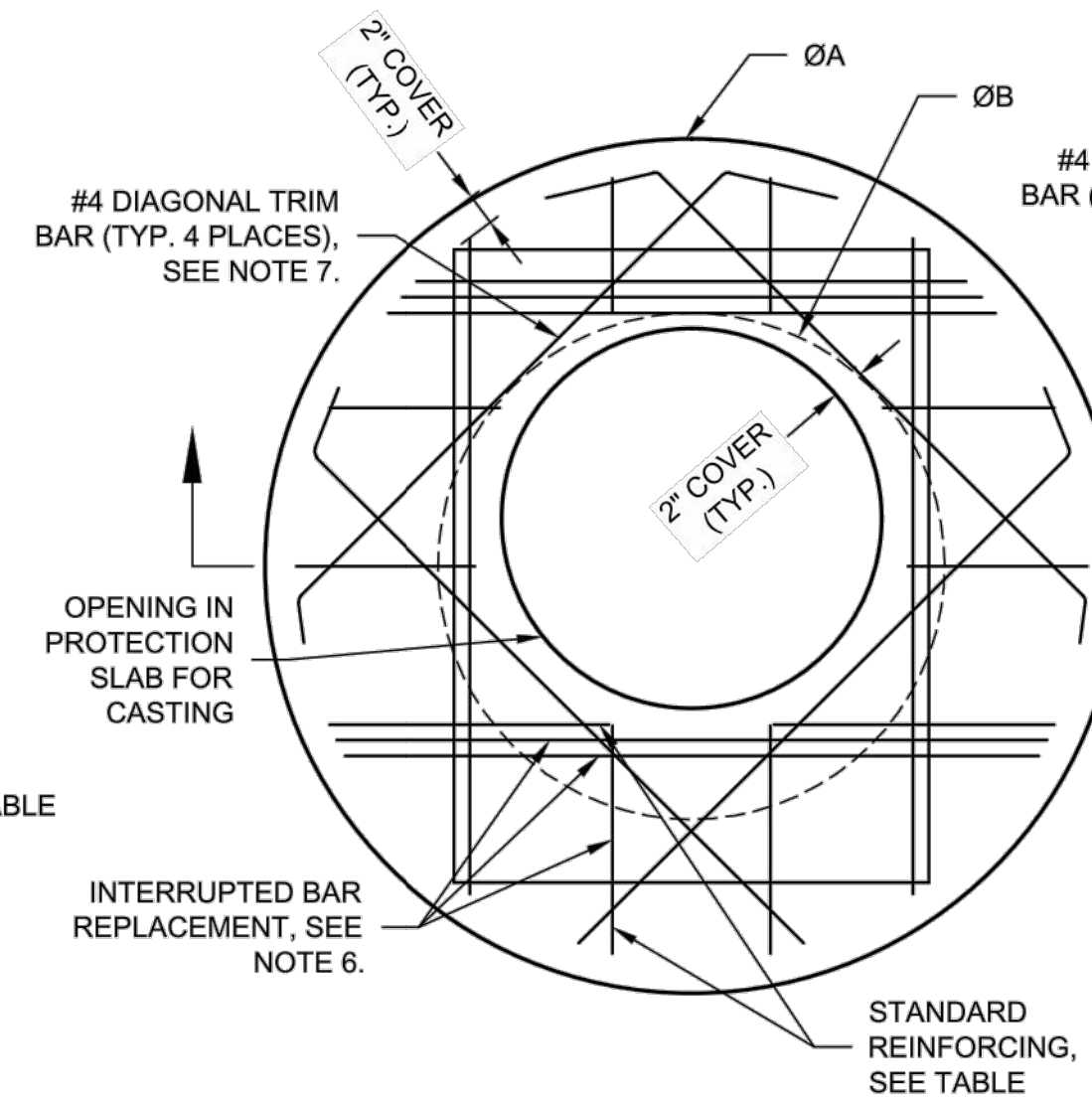
HANDLING AND ASSEMBLY
SHALL BE IN ACCORDANCE WITH NCSP'S (NATIONAL CORRUGATED STEEL PIPE ASSOCIATION) FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL. SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR ALUMINUM PIPE.

INSTALLATION
SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II DIVISION II OR ASTM A-798 (FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL) OR ASTM B-788 (FOR ALUMINUM PIPE) AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE SITE ENGINEER.

IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.



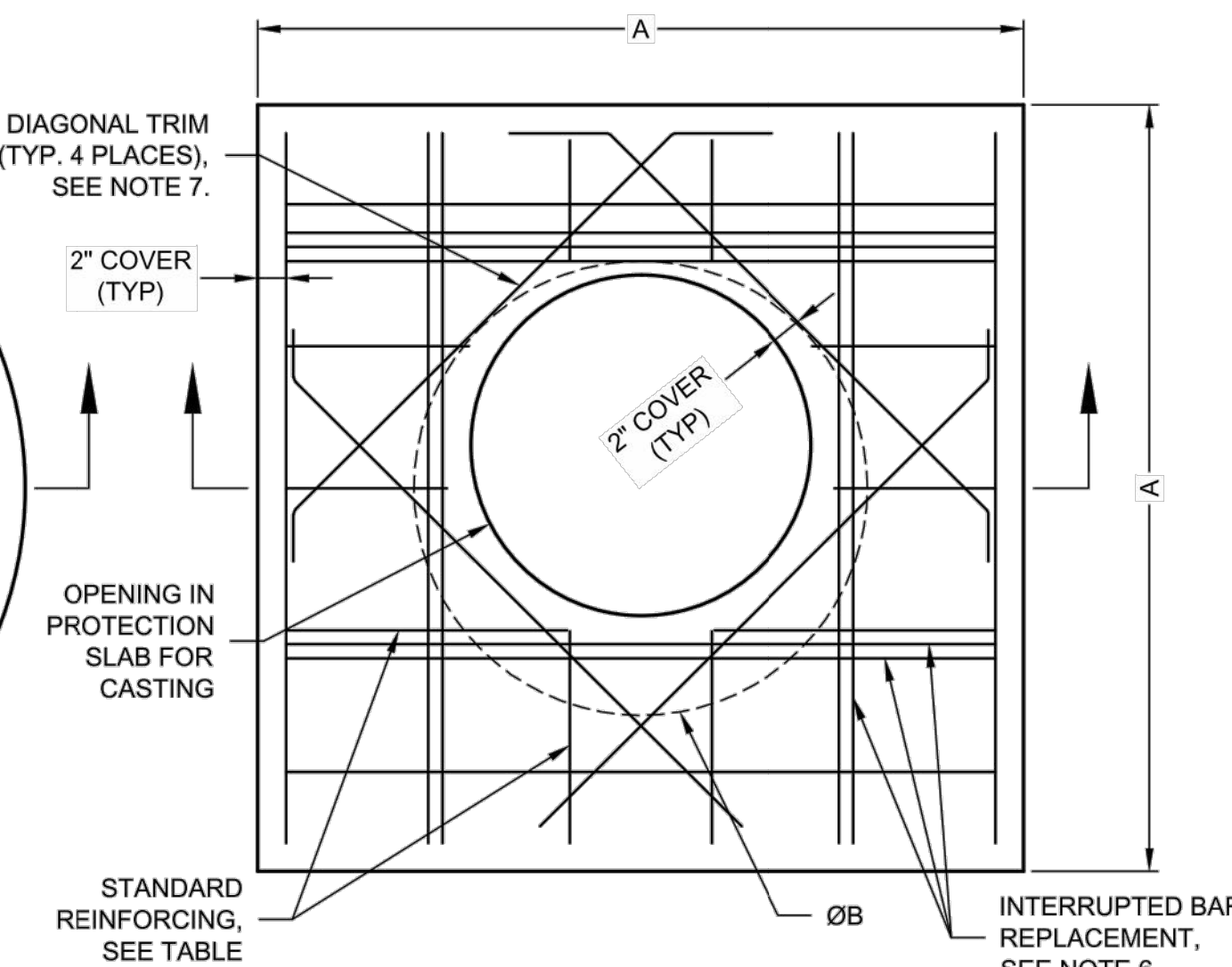
SECTION VIEW



ROUND OPTION PLAN VIEW

REINFORCING TABLE				
Ø CMP RISER	A	Ø B	REINFORCING	**BEARING PRESSURE (PSF)
24"	Ø 4' 4'X4'	26"	#5 @ 12" OCEW #5 @ 12" OCEW	2,410 1,780
30"	Ø 4'-6" 4'-6" X 4'-6"	32"	#5 @ 12" OCEW #5 @ 12" OCEW	2,120 1,530
36"	Ø 5' 5' X 5'	38"	#5 @ 10" OCEW #5 @ 10" OCEW	1,890 1,350
42"	Ø 5'-6" 5'-6" X 5'-6"	44"	#5 @ 10" OCEW #5 @ 9" OCEW	1,720 1,210
48"	Ø 6' 6' X 6'	50"	#5 @ 9" OCEW #5 @ 8" OCEW	1,600 1,100

** ASSUMED SOIL BEARING CAPACITY



SQUARE OPTION PLAN VIEW

NOTES:

- DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION.
- DESIGN LOAD HS25.
- EARTH COVER = 1' MAX.
- CONCRETE STRENGTH = 3,500 psi
- REINFORCING STEEL = ASTM A615, GRADE 60.
- PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.
- TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
- PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- DETAIL DESIGN BY DELTA ENGINEERING, BINGHAMTON, NY.

MANHOLE CAP DETAIL
SCALE: N.T.S.



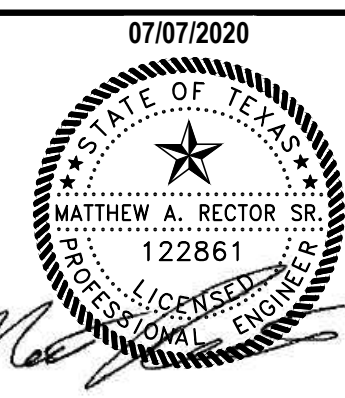
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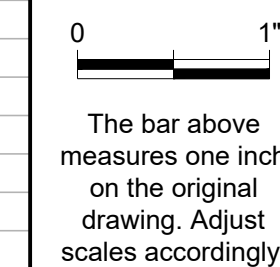
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305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
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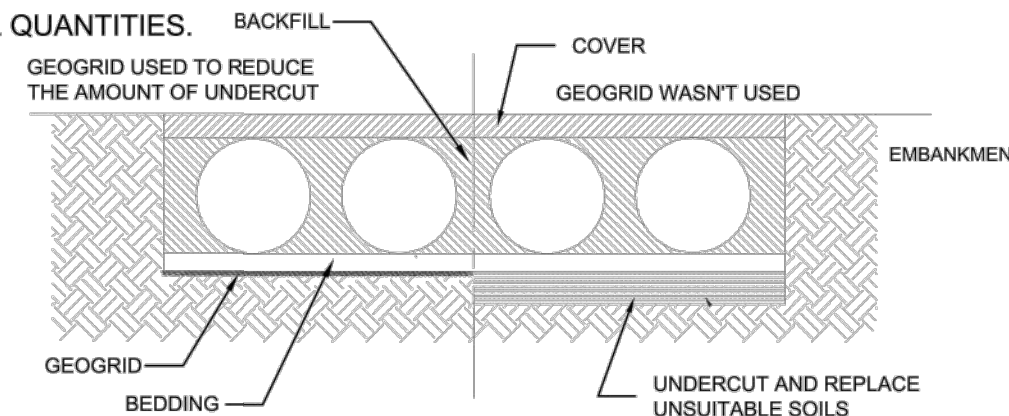
CMP DETENTION INSTALLATION GUIDE

PROPER INSTALLATION OF A FLEXIBLE UNDERGROUND DETENTION SYSTEM WILL ENSURE LONG-TERM PERFORMANCE. THE CONFIGURATION OF THESE SYSTEMS OFTEN REQUIRES SPECIAL CONSTRUCTION PRACTICES THAT DIFFER FROM CONVENTIONAL FLEXIBLE PIPE CONSTRUCTION. CONTECH ENGINEERED SOLUTIONS STRONGLY SUGGESTS SCHEDULING A PRE-CONSTRUCTION MEETING WITH YOUR LOCAL SALES ENGINEER TO DETERMINE IF ADDITIONAL MEASURES, NOT COVERED IN THIS GUIDE, ARE APPROPRIATE FOR YOUR SITE.

FOUNDATION

CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN ITS INTEGRITY DURING CONSTRUCTION.

IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE APPROPRIATE ELEVATION WITH A COMPETENT BACKFILL MATERIAL. THE STRUCTURAL FILL MATERIAL GRADATION SHOULD NOT ALLOW THE MIGRATION OF FINES, WHICH CAN CAUSE SETTLEMENT OF THE DETENTION SYSTEM OR PAVEMENT ABOVE. IF THE STRUCTURAL FILL MATERIAL IS NOT COMPATIBLE WITH THE UNDERLYING SOILS AN ENGINEERING FABRIC SHOULD BE USED AS A SEPARATOR. IN SOME CASES, USING A STIFF REINFORCING GEOGRID REDUCES OVER EXCAVATION AND REPLACEMENT FILL QUANTITIES.

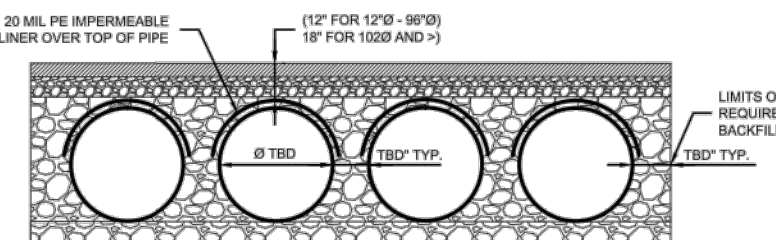


GRADE THE FOUNDATION SUBGRADE TO A UNIFORM OR SLIGHTLY SLOPING GRADE. IF THE SUBGRADE IS CLAY OR RELATIVELY NON-POROUS AND THE CONSTRUCTION SEQUENCE WILL LAST FOR AN EXTENDED PERIOD OF TIME, IT IS BEST TO SLOPE THE GRADE TO ONE END OF THE SYSTEM. THIS WILL ALLOW EXCESS WATER TO DRAIN QUICKLY, PREVENTING SATURATION OF THE SUBGRADE.

GEOMEMBRANE BARRIER

A SITE'S RESISTIVITY MAY CHANGE OVER TIME WHEN VARIOUS TYPES OF SALTING AGENTS ARE USED, SUCH AS ROAD SALTS FOR DEICING AGENTS. IF SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE, A GEOMEMBRANE BARRIER IS RECOMMENDED WITH THE SYSTEM. THE GEOMEMBRANE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM THE USE OF SUCH AGENTS INCLUDING PREMATURE CORROSION AND REDUCED ACTUAL SERVICE LIFE.

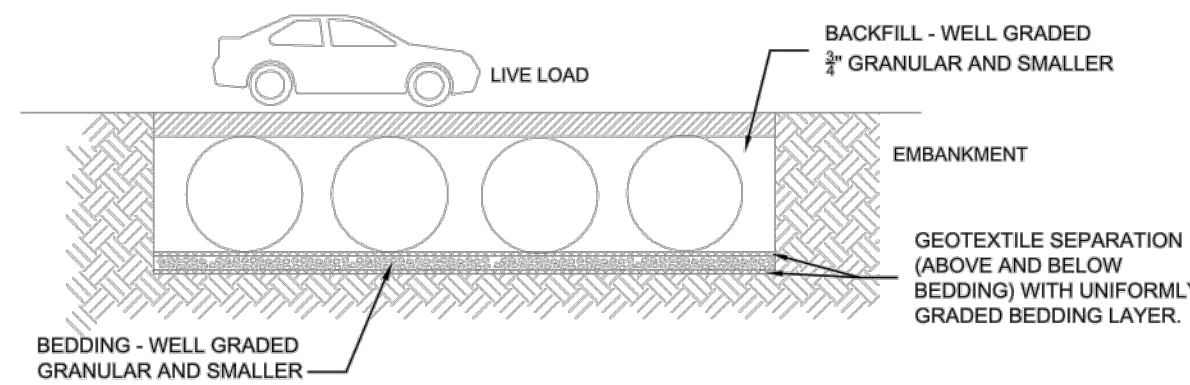
THE PROJECT'S ENGINEER OF RECORD IS TO EVALUATE WHETHER SALTING AGENTS WILL BE USED ON OR NEAR THE PROJECT SITE, AND USE HIS/HER BEST JUDGEMENT TO DETERMINE IF ANY ADDITIONAL PROTECTIVE MEASURES ARE REQUIRED. BELOW IS A TYPICAL DETAIL SHOWING THE PLACEMENT OF A GEOMEMBRANE BARRIER FOR PROJECTS WHERE SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE.



IN-SITU TRENCH WALL

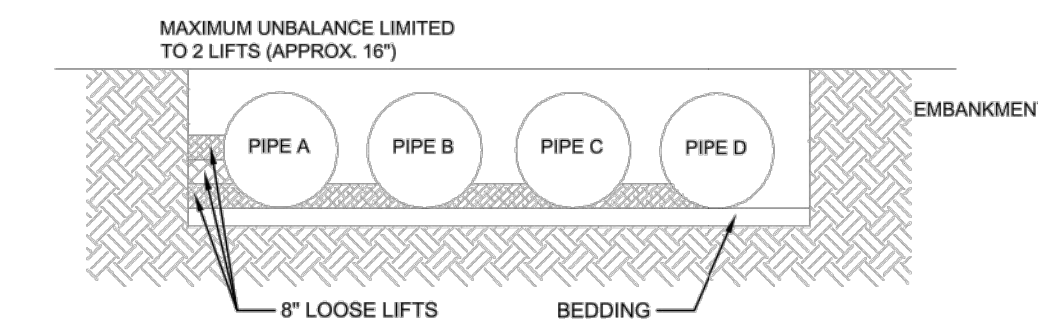
IF EXCAVATION IS REQUIRED, THE TRENCH WALL NEEDS TO BE CAPABLE OF SUPPORTING THE LOAD THAT THE PIPE SHEDS AS THE SYSTEM IS LOADED. IF SOILS ARE NOT CAPABLE OF SUPPORTING THESE LOADS, THE PIPE CAN DEFLECT. PERFORM A SIMPLE SOIL PRESSURE CHECK USING THE APPLIED LOADS TO DETERMINE THE LIMITS OF EXCAVATION BEYOND THE SPRING LINE OF THE OUTER MOST PIPES.

IN MOST CASES THE REQUIREMENTS FOR A SAFE WORK ENVIRONMENT AND PROPER BACKFILL PLACEMENT AND COMPACTION TAKE CARE OF THIS CONCERN.



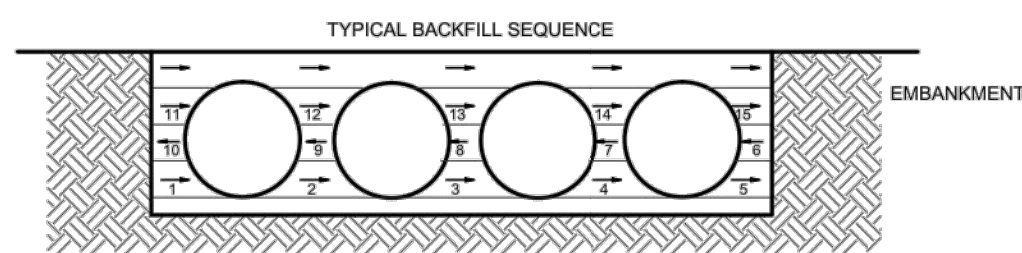
BACKFILL PLACEMENT

MATERIAL SHALL BE WORKED INTO THE PIPE HAUNCHES BY MEANS OF SHOVEL-SLICING, RODDING, AIR TAMPER, VIBRATORY ROD, OR OTHER EFFECTIVE METHODS.

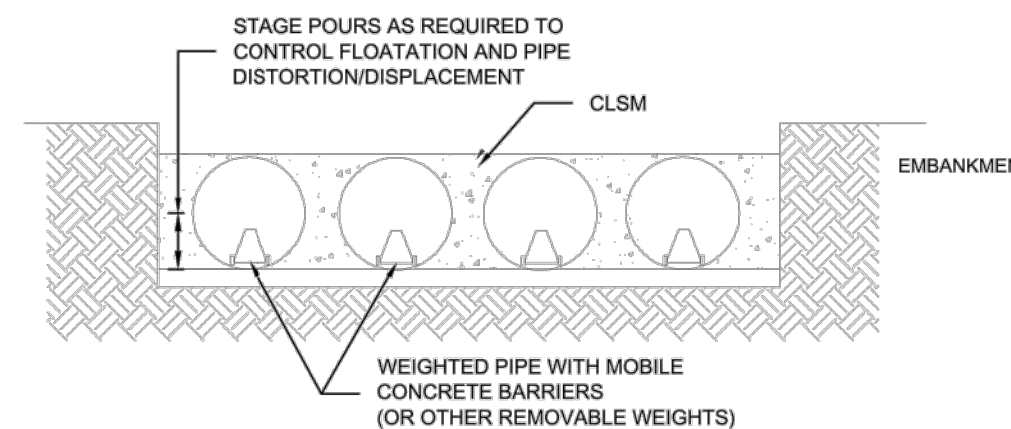


IF AASHTO T99 PROCEDURES ARE DETERMINED INFEASIBLE BY THE GEOTECHNICAL ENGINEER OF RECORD, COMPACTION IS CONSIDERED ADEQUATE WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR, OR UNDER FOOT, AND THE GEOTECHNICAL ENGINEER OF RECORD (OR REPRESENTATIVE THEREOF) IS SATISFIED WITH THE LEVEL OF COMPACTION.

FOR LARGE SYSTEMS, CONVEYOR SYSTEMS, BACKHOES WITH LONG REACHES OR DRAGLINES WITH STONE BUCKETS MAY BE USED TO PLACE BACKFILL. ONCE MINIMUM COVER FOR CONSTRUCTION LOADING ACROSS THE ENTIRE WIDTH OF THE SYSTEM IS REACHED, ADVANCE THE EQUIPMENT TO THE END OF THE RECENTLY PLACED FILL, AND BEGIN THE SEQUENCE AGAIN UNTIL THE SYSTEM IS COMPLETELY BACKFILLED. THIS TYPE OF CONSTRUCTION SEQUENCE PROVIDES ROOM FOR STOCKPILED BACKFILL DIRECTLY BEHIND THE BACKHOE, AS WELL AS THE MOVEMENT OF CONSTRUCTION TRAFFIC. MATERIAL STOCKPILES ON TOP OF THE BACKFILLED DETENTION SYSTEM SHOULD BE LIMITED TO 8- TO 10- FEET HIGH AND MUST PROVIDE BALANCED LOADING ACROSS ALL BARRELS. TO DETERMINE THE PROPER COVER OVER THE PIPES TO ALLOW THE MOVEMENT OF CONSTRUCTION EQUIPMENT SEE TABLE 1, OR CONTACT YOUR LOCAL CONTECH SALES ENGINEER.



WHEN FLOWABLE FILL IS USED, YOU MUST PREVENT PIPE FLOATATION. TYPICALLY, SMALL LIFTS ARE PLACED BETWEEN THE PIPES AND THEN ALLOWED TO SET-UP PRIOR TO THE PLACEMENT OF THE NEXT LIFT. THE ALLOWABLE THICKNESS OF THE CLSM LIFT IS A FUNCTION OF A PROPER BALANCE BETWEEN THE UPLIFT FORCE OF THE CLSM, THE OPPOSING WEIGHT OF THE PIPE, AND THE EFFECT OF OTHER RESTRAINING MEASURES. THE PIPE CAN CARRY LIMITED FLUID PRESSURE WITHOUT PIPE DISTORTION OR DISPLACEMENT, WHICH ALSO AFFECTS THE CLSM LIFT THICKNESS. YOUR LOCAL CONTECH SALES ENGINEER CAN HELP DETERMINE THE PROPER LIFT THICKNESS.

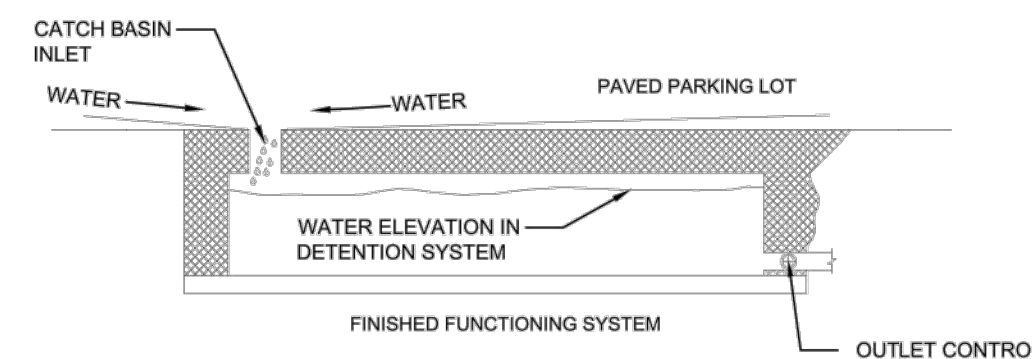


CONSTRUCTION LOADING

TYPICALLY, THE MINIMUM COVER SPECIFIED FOR A PROJECT ASSUMES H-20 LIVE LOAD. BECAUSE CONSTRUCTION LOADS OFTEN EXCEED DESIGN LIVE LOADS, INCREASED TEMPORARY MINIMUM COVER REQUIREMENTS ARE NECESSARY. SINCE CONSTRUCTION EQUIPMENT VARIES FROM JOB TO JOB, IT IS BEST TO ADDRESS EQUIPMENT SPECIFIC MINIMUM COVER REQUIREMENTS WITH YOUR LOCAL CONTECH SALES ENGINEER DURING YOUR PRE-CONSTRUCTION MEETING.

ADDITIONAL CONSIDERATIONS

BECAUSE MOST SYSTEMS ARE CONSTRUCTED BELOW-GRADE, RAINFALL CAN RAPIDLY FILL THE EXCAVATION; POTENTIALLY CAUSING FLOATATION AND MOVEMENT OF THE PREVIOUSLY PLACED PIPES. TO HELP MITIGATE POTENTIAL PROBLEMS, IT IS BEST TO START THE INSTALLATION AT THE DOWNSTREAM END WITH THE OUTLET ALREADY CONSTRUCTED TO ALLOW A ROUTE FOR THE WATER TO ESCAPE. TEMPORARY DIVERSION MEASURES MAY BE REQUIRED FOR HIGH FLOWS DUE TO THE RESTRICTED NATURE OF THE OUTLET PIPE.



CMP DETENTION SYSTEM INSPECTION AND MAINTENANCE

UNDERGROUND STORMWATER DETENTION AND INFILTRATION SYSTEMS MUST BE INSPECTED AND MAINTAINED AT REGULAR INTERVALS FOR PURPOSES OF PERFORMANCE AND LONGEVITY.

INSPECTION

INSPECTION IS THE KEY TO EFFECTIVE MAINTENANCE OF CMP DETENTION SYSTEMS AND IS EASILY PERFORMED. CONTECH RECOMMENDS ONGOING, QUARTERLY INSPECTIONS. THE RATE AT WHICH THE SYSTEM COLLECTS POLLUTANTS WILL DEPEND MORE ON SITE SPECIFIC ACTIVITIES RATHER THAN THE SIZE OR CONFIGURATION OF THE SYSTEM.

INSPECTIONS SHOULD BE PERFORMED MORE OFTEN IN EQUIPMENT WASHDOWN AREAS, IN CLIMATES WHERE SANDING AND/OR SALTING OPERATIONS TAKE PLACE, AND IN OTHER VARIOUS INSTANCES IN WHICH ONE WOULD EXPECT HIGHER ACCUMULATIONS OF SEDIMENT OR ABRASIVE/ CORROSIVE CONDITIONS. A RECORD OF EACH INSPECTION IS TO BE MAINTAINED FOR THE LIFE OF THE SYSTEM

MAINTENANCE

CMP DETENTION SYSTEMS SHOULD BE CLEANED WHEN AN INSPECTION REVEALS ACCUMULATED SEDIMENT OR TRASH IS CLOGGING THE DISCHARGE ORIFICE.

ACCUMULATED SEDIMENT AND TRASH CAN TYPICALLY BE EVACUATED THROUGH THE MANHOLE OVER THE OUTLET ORIFICE. IF MAINTENANCE IS NOT PERFORMED AS RECOMMENDED, SEDIMENT AND TRASH MAY ACCUMULATE IN FRONT OF THE OUTLET ORIFICE. MANHOLE COVERS SHOULD BE SECURELY SEATED FOLLOWING CLEANING ACTIVITIES. CONTECH SUGGESTS THAT ALL SYSTEMS BE DESIGNED WITH AN ACCESS/INSPECTION MANHOLE SITUATED AT OR NEAR THE INLET AND THE OUTLET ORIFICE. SHOULD IT BE NECESSARY TO GET INSIDE THE SYSTEM TO PERFORM MAINTENANCE ACTIVITIES, ALL APPROPRIATE PRECAUTIONS REGARDING CONFINED SPACE ENTRY AND OSHA REGULATIONS SHOULD BE FOLLOWED.

ANNUAL INSPECTIONS ARE BEST PRACTICE FOR ALL UNDERGROUND SYSTEMS. DURING THIS INSPECTION, IF EVIDENCE OF SALTING/DE-ICING AGENTS IS OBSERVED WITHIN THE SYSTEM, IT IS BEST PRACTICE FOR THE SYSTEM TO BE RINSED, INCLUDING ABOVE THE SPRING LINE SOON AFTER THE SPRING THAW AS PART OF THE MAINTENANCE PROGRAM FOR THE SYSTEM.

MAINTAINING AN UNDERGROUND DETENTION OR INFILTRATION SYSTEM IS EASIEST WHEN THERE IS NO FLOW ENTERING THE SYSTEM. FOR THIS REASON, IT IS A GOOD IDEA TO SCHEDULE THE CLEANOUT DURING DRY WEATHER.

THE FOREGOING INSPECTION AND MAINTENANCE EFFORTS HELP ENSURE UNDERGROUND PIPE SYSTEMS USED FOR STORMWATER STORAGE CONTINUE TO FUNCTION AS INTENDED BY IDENTIFYING RECOMMENDED REGULAR INSPECTION AND MAINTENANCE PRACTICES. INSPECTION AND MAINTENANCE RELATED TO THE STRUCTURAL INTEGRITY OF THE PIPE OR THE SOUNDNESS OF PIPE JOINT CONNECTIONS IS BEYOND THE SCOPE OF THIS GUIDE.

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www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
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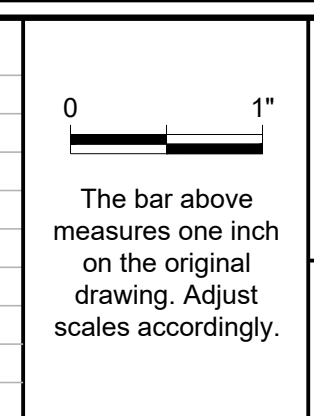
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mwm Design Group
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
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LANDSCAPE NOTES

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL OVERHEAD AND UNDERGROUND UTILITIES (INCLUDING THOSE PROPOSED WITH THIS PROJECT, I.E. IRRIGATION, WASTEWATER, WATER, STORM SEWER, GAS, TELECOM, FIBER OPTIC, ELECTRIC, ETC.) PRIOR TO STARTING WORK.
2. INFORMATION PROVIDED ON THIS PLAN IS GENERAL IN NATURE; DIMENSIONS, AREAS, AND DISTANCES ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO BIDDING. DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.
3. THE CONTRACTOR IS TO THOROUGHLY FAMILIARIZE HIM/HERSELF WITH ALL PLANS, SPECIFICATIONS AND THE SITE PRIOR TO BIDDING. FAILURE TO DO SO WILL NOT REDUCE THE CONTRACTOR'S OBLIGATION TO PERFORM THE WORK AS DESCRIBED FOR THE PRICE BID.
4. QUANTITIES SHOWN ARE INTENDED TO ASSIST CONTRACTORS IN EVALUATING THEIR OWN TAKE OFFS AND ARE NOT GUARANTEED AS ACCURATE REPRESENTATIONS OF REQUIRED MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS BID QUANTITIES AND IS REQUIRED TO REFLECT THE DESIGN INTENT.
5. ALL PLANT MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, OR EQUIVALENT
6. NO SUBSTITUTIONS OF PLANT MATERIAL LOCATIONS, SPECIES OR SIZE WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT. ALL PLANT MATERIALS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. AS PART OF THE BASE BID, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL LANDSCAPE MAINTENANCE AS INDICATED IN THE PROJECT SPECIFICATIONS (INCLUDING, BUT NOT LIMITED TO MOWING, WATERING, REPLACEMENT OF UNACCEPTABLE, DISEASED OR DEAD PLANTS, ETC.) AND WEED CONTROL UNTIL FINAL ACCEPTANCE BY OWNER.
8. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL TO BE ALIVE AND BE IN A HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION OF THE ENTIRE PROJECT OR OTHER DATE(S) ESTABLISHED BY THE LANDSCAPE ARCHITECT, OR OWNER, EXCEPT AS MAY RESULT FROM NEGLIGENCE OR DAMAGE BY THE OWNER, DAMAGE BY OTHERS OR UNUSUAL PHENOMENA BEYOND THE CONTRACTOR'S CONTROL.
9. CONTRACTOR SHALL REPLACE ALL DEAD, AND/OR UNHEALTHY PLANT MATERIALS AND/OR PLANT MATERIALS THAT HAVE PARTIALLY DIED PURSUANT TO THE CONDITION OF THE WARRANTY AT NO EXPENSE TO THE OWNER. DEAD MATERIALS MUST BE REPLACED WITHIN 10 BUSINESS DAYS PER TECHNICAL PROVISIONS. RE-WARRANT REPLACEMENT PLANTS FOR AN ADDITIONAL ONE YEAR UNDER THE SAME TERMS AS THE ORIGINAL WARRANTY. PLANT MATERIALS USED FOR REPLACEMENT SHALL BE THE SAME SPECIES, SIZE AND SHAPE.
10. ALL PLANTS SHALL BE HEALTHY, VIGOROUS AND REPRESENTATIVE OF THE SPECIES SPECIFIED. ALL PLANTS SHALL BE WELL BRANCHED, PROPORTIONED, AND FREE OF ALL INSECTS, DISEASES, BARK BRUISES, SCRAPES, CRACKED BRANCHES AND PHYSICAL DAMAGE. PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO PLANT MATERIALS WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL SHALL BE REMOVED AT TIME OF PLANTING, AS SHOWN ON DETAILS.
11. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
12. ALL PLANTS AND STAKES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED.
13. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
14. INSTALLATION OF LANDSCAPE SHALL BE PERFORMED BY A QUALIFIED LANDSCAPE INSTALLER WITH A MINIMUM OF FIVE YEARS CONTINUOUS EXPERIENCE OF INSTALLING LANDSCAPE PLANTINGS OF SIMILAR SIZE AND SCOPE.
15. CONTRACTOR SHALL PROVIDE MAINTENANCE FOR LANDSCAPE & IRRIGATION SYSTEM FOR 12 MONTHS FOLLOWING FINAL ACCEPTANCE OF ENTIRE PROJECT.
16. LANDSCAPE MATERIALS SHALL BE LOCATED SO AS NOT TO OBSTRUCT VISUAL OR PHYSICAL ACCESS TO FIRE HYDRANTS. ALL LANDSCAPE MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH UTILITY COMPANY REQUIREMENTS AT TRANSFORMERS, METERS, OVERHEAD LINES, ETC. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
17. EXECUTE ALL LANDSCAPING AND REVEGETATION PRIOR TO REQUEST FOR CERTIFICATE OF OCCUPANCY, FINAL INSPECTION OR AS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER. HOWEVER, NO PLANT MATERIALS SHALL BE INSTALLED BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE LANDSCAPE ARCHITECT, OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. FULLY PREPARE ALL LANDSCAPE BEDS (INCLUDING IRRIGATION) PRIOR TO INSTALLATION OF LANDSCAPE PLANTS.
18. SITE STOCKPILED TOPSOIL MAY BE USED IF IT HAS BEEN DEEMED ACCEPTABLE IN QUALITY AND APPROVED BY LANDSCAPE ARCHITECT.
19. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
20. THE LANDSCAPE CONTRACTOR SHALL PROVIDE AN IRRIGATION SYSTEM FULLY COMPLIANT WITH TCEQ REQUIREMENTS AND COMPLIANT WITH THE LANDSCAPE IRRIGATION NOTES AND CONTRACT SPECIFICATIONS.

LANDSCAPE IRRIGATION NOTES

- AUTOMATIC IRRIGATION SYSTEMS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS. THESE REQUIREMENTS SHALL BE NOTED ON THE SITE DEVELOPMENT PERMIT AND SHALL BE IMPLEMENTED AS PART OF THE LANDSCAPE INSPECTION:
1. A NEW COMMERCIAL AND MULTI-FAMILY IRRIGATION SYSTEM MUST BE DESIGNED AND INSTALLED SO THAT:
 - (A) THERE IS NOT DIRECT OVERSPRAY ONTO NON-IRRIGATED AREAS;
 - (B) THE SYSTEM DOES NOT INCLUDE SPRAY IRRIGATION ON AREAS LESS THAN SIX (6) FEET WIDE (SUCH AS MEDIANS, BUFFER STRIPS, AND PARKING LOT ISLANDS)
 - (C) ABOVE-GROUND IRRIGATION EMISSION DEVICES ARE SET BACK AT LEAST SIX (6) INCHES FROM IMPERVIOUS SURFACES;
 - (D) THE IRRIGATION SYSTEM HAS A MASTER VALVE;
 - (E) CIRCUIT REMOTE CONTROL VALVES HAVE ADJUSTABLE FLOW CONTROLS;
 - (F) SERVICEABLE IN-HEAD CHECK VALVES ARE ADJACENT TO PAVED AREAS WHERE ELEVATION DIFFERENCES MAY CAUSE LOW HEAD DRAINAGE;
 - (G) THE IRRIGATION SYSTEM HAS A CITY- APPROVED WEATHER BASED CONTROLLER;
 - (H) AN AUTOMATIC RAIN SHUT-OFF DEVICE SHUTS OFF THE IRRIGATION SYSTEM AUTOMATICALLY AFTER NOT MORE THAN A ONE-HALF INCH (1/2") RAINFALL;
 - (I) ZONE VALVES AND CIRCUITS ARE SEPARATED BASED ON PLANT WATER REQUIREMENTS;
 - (J) AN IRRIGATION EMISSION DEVICE (SUCH AS SPRAY, ROTOR, OR DRIP EMITTER) DOES NOT EXCEED THE MANUFACTURER'S RECOMMENDED OPERATING PRESSURE; AND
 - (K) NO COMPONENT OF THE IRRIGATION SYSTEM DEVIATES FROM THE MANUFACTURER'S RECOMMENDED USE OF THE PRODUCT.
 2. THE MAXIMUM SPACING BETWEEN SPRAY OR ROTARY SPRINKLER HEADS MUST NOT EXCEED THE RADIUS OF THROW OF THE HEAD UNLESS MANUFACTURER OF THE SPRINKLER HEAD SPECIFICALLY RECOMMENDS A GREATER SPACING. THE RADIUS OF THROW IS DETERMINED BY REFERENCE TO THE MANUFACTURER'S SPECIFICATIONS FOR A SPECIFIC NOZZLE AT A SPECIFIC OPERATING PRESSURE.
 3. THE IRRIGATION INSTALLER SHALL DEVELOP AND PROVIDE AN AS-BUILT DESIGN PLAN AND WATER BUDGET TO THE CITY AT THE TIME THE FINAL PLUMBING INSPECTION IS PERFORMED. THE WATER BUDGET SHALL INCLUDE:
 - (A) A CHART CONTAINING ZONE NUMBERS, PRECIPITATION RATE, AND GALLONS PER MINUTE; AND
 - (B) THE LOCATION OF THE EMERGENCY IRRIGATION SYSTEM SHUT-OFF VALVE. A LAMINATED COPY OF THE WATER BUDGET SHALL BE PERMANENTLY INSTALLED INSIDE THE IRRIGATION CONTROLLER DOOR.
 4. IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT PLAN TO OWNER, OR OWNER'S DESIGNATED REPRESENTATIVE SHOWING ALL IRRIGATION COMPONENTS AND SIZE OF COMPONENTS, INCLUDING WATER PRESSURE, MAIN LINE, LATERAL LINES, VALVES, HEADS, BACKFLOW DEVICE, CONTROLLER, QUICK COUPLERS, ETC.
 5. COMPLY WITH ALL APPLICABLE TCEQ IRRIGATION RULES AND REGULATIONS.
 6. CONTRACTOR IS TO VERIFY PRESSURE AND WATER SUPPLY CHARACTERISTICS ARE ADEQUATE FOR THIS INSTALLATION. ANY DISCREPANCIES OR INADEQUACIES SHALL BE REPORTED TO THE OWNER IMMEDIATELY, BEFORE STARTING CONSTRUCTION. DESIGN PRESSURE IS 65 PSI AT 45 GMP.
 7. CONTRACTOR SHALL OBTAIN ALL PERMITS AND HANDLE ALL INSPECTIONS FOR THIS WORK AS REQUIRED BY LOCAL REGULATIONS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE PERMIT(S).
 8. VERIFY LOCATION OF CONTROLLER, WATER SUPPLY; SITE CONDITIONS MAY VARY. OPERABLE IRRIGATION EQUIPMENT (VALVES, QUICK COUPLERS, BFP, ETC.) SHALL BE INSTALLED SEPARATELY IN VALVE BOXES.
 9. ALL HEADS SHALL BE INSTALLED ON TRIPLE SWING JOINTS. HEADS SHALL BE NOT BE LOCATED CLOSER THAN 6" FROM PAVEMENT.
 10. ADJUST RADI AND SPRAY PATTERNS TO ELIMINATE OVERSPRAY ONTO BUILDINGS, SIDEWALKS, FENCES, DRIVEWAYS, ROADWAYS, ETC.
 11. ALL PAVEMENT CROSSINGS (LATERALS, WIRING, MAINLINE, ETC.) SHALL OCCUR WITHIN SLEEVES. INCLUDING SIDEWALKS, DRIVEWAYS, TRAILS, BIKE WAYS, ROADWAYS, ETC.
 12. PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL UTILITY COMPANIES THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES. IMMEDIATELY REPORT ANY BREAKAGES TO THE APPROPRIATE UTILITY COMPANY.
 13. THE CONTRACTOR IS TO INSTALL ALL SLEEVES IN SEQUENCE WITH OTHER CONSTRUCTION ACTIVITIES, AND WILL BE RESPONSIBLE FOR COORDINATING WITH OTHER SITE CONTRACTORS FOR THIS WORK. ADEQUATELY MARK THE LOCATIONS OF ALL SLEEVES AND PIPE CONNECTION POINTS TO EXISTING LINES.
 14. INSTALL THE MAIN LINE A MINIMUM OF 15" DEEP AND LATERAL LINES MIN. 12" DEEP.
 15. PROVIDE A NEW WATER PROOF TAG WITH CONTRACTOR'S NAME AND TELEPHONE NUMBER CLEARLY SHOWN AND SECURELY ATTACHED TO THE INSIDE OF THE CONTROLLER DOOR.

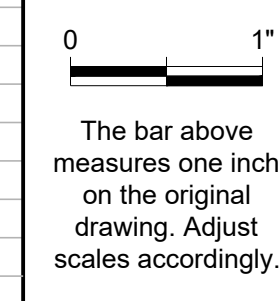
TREE MITIGATION/REPLACEMENT LIST											
TREE TAG	TREE TYPE	SIZE (INCHES)				TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT TREE TYPE	PROPOSED TREE CALIPER (INCHES)
16910	Chinaberry	9.00				9.0	0%	-	Invasive		
16912	Ligustrum	8.00	6.0			11.0	0%	-	Invasive		
20033	Chinaberry	9.00				9.0	0%	-	Invasive		
20038	Chinaberry	15.00				15.0	0%	-	Invasive		
20047	Live Oak	12.00				12.0	25%	3.00	Construction	MEXICAN SYCAMORE	4.00
20088	Live Oak	14.00				14.0	25%	3.50	Construction	MEXICAN SYCAMORE	4.00
20089	Live Oak	11.00				11.0	0%	-	Construction		
20093	Live Oak	18.00				18.0	25%	4.50	Construction	CEDAR ELM	6.00
20094	Live Oak	12.00				12.0	25%	3.00	Construction	MEXICAN SYCAMORE	4.00
20095	Live Oak	10.00				10.0	0%	-	Construction		
20096	Live Oak	11.00				11.0	0%	-	Construction		
20097	Live Oak	9.00				9.0	0%	-	Construction		
20098	Live Oak	12.00				12.0	25%	3.00	Construction	MEXICAN SYCAMORE	4.00
20099	Live Oak	15.00				15.0	25%	3.75	Construction	TEXAS ASH	4.00
20100	Live Oak	12.00				12.0	25%	3.00	Construction	TEXAS ASH	4.00
20101	Live Oak	13.00				13.0	25%	3.25	Construction	TEXAS ASH	4.00
20102	Live Oak*	19.00	17.0			27.5	25%	6.00	Construction	CEDAR ELM	6.00
20103	Live Oak	20.00				20.0	25%	5.00	Construction	CEDAR ELM	6.00
20105	Cedar Elm	15.00				15.0	25%	3.75	Construction	CEDAR ELM	4.00
20106	Live Oak	10.00				10.0	0%	-	Construction		
20107	Live Oak	12.00				12.0	25%	3.00	Construction	CEDAR ELM	4.00
20108	Live Oak	7.00				7.0	0%	-	Construction		
20109	Live Oak	12.00				12.0	25%	3.00	Construction	TEXAS ASH	4.00
						TOTAL INCHES REMOVED	296.50	TOTAL REPLACEMENT INCHES REQUIRED	33.75	TOTAL REPLACEMENT INCHES PROVIDED	40.00

* Only replacing 6" maximum, as allowed by code

NOTE: TOTAL CALIPER OF REPLACEMENT INCHES MUST EQUAL REQUIRED INCHES AS MEASURED AT DBH.

PLANT LIST			
COMMON NAME	BOTANICAL NAME	SIZE	COMMENT
CEDAR ELM	ULMUS CRASSIFOLIA	6" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
CEDAR ELM	ULMUS CRASSIFOLIA	4" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
MEXICAN SYCAMORE	PLATANUS MEXICANA	4" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
TEXAS ASH	FRAXINUS TEXENSIS	4" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
BLUE MISTFLOWER	CONOCLINIUM COELESTINUM	1 GAL	EQUAL SPACING
BIG MUHLY	MUHLENBERGIA LINDHEIMERI	1 GAL	EQUAL SPACING
OBEDIENT PLANT	PHYSOSTEGIA VIRGINIANA	1 GAL	EQUAL SPACING
BERMUDA SOD	CYNODON DACTYLON	SOD	AS SHOWN

NO.	DATE	DESCRIPTION	BY

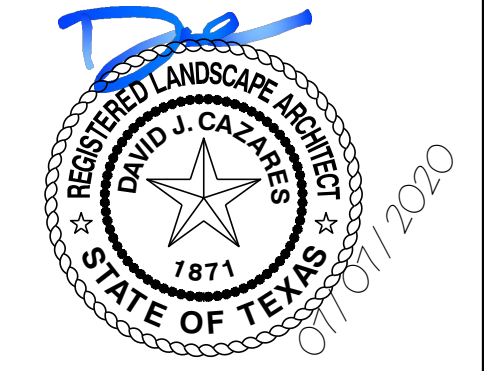


LANDSCAPE NOTES & CALCULATIONS

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

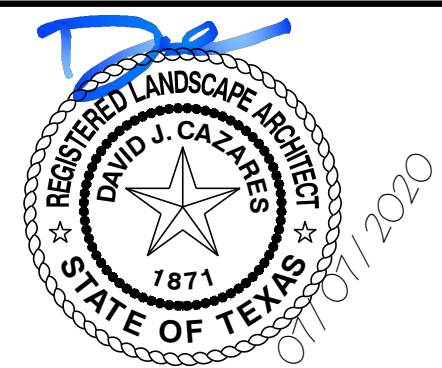
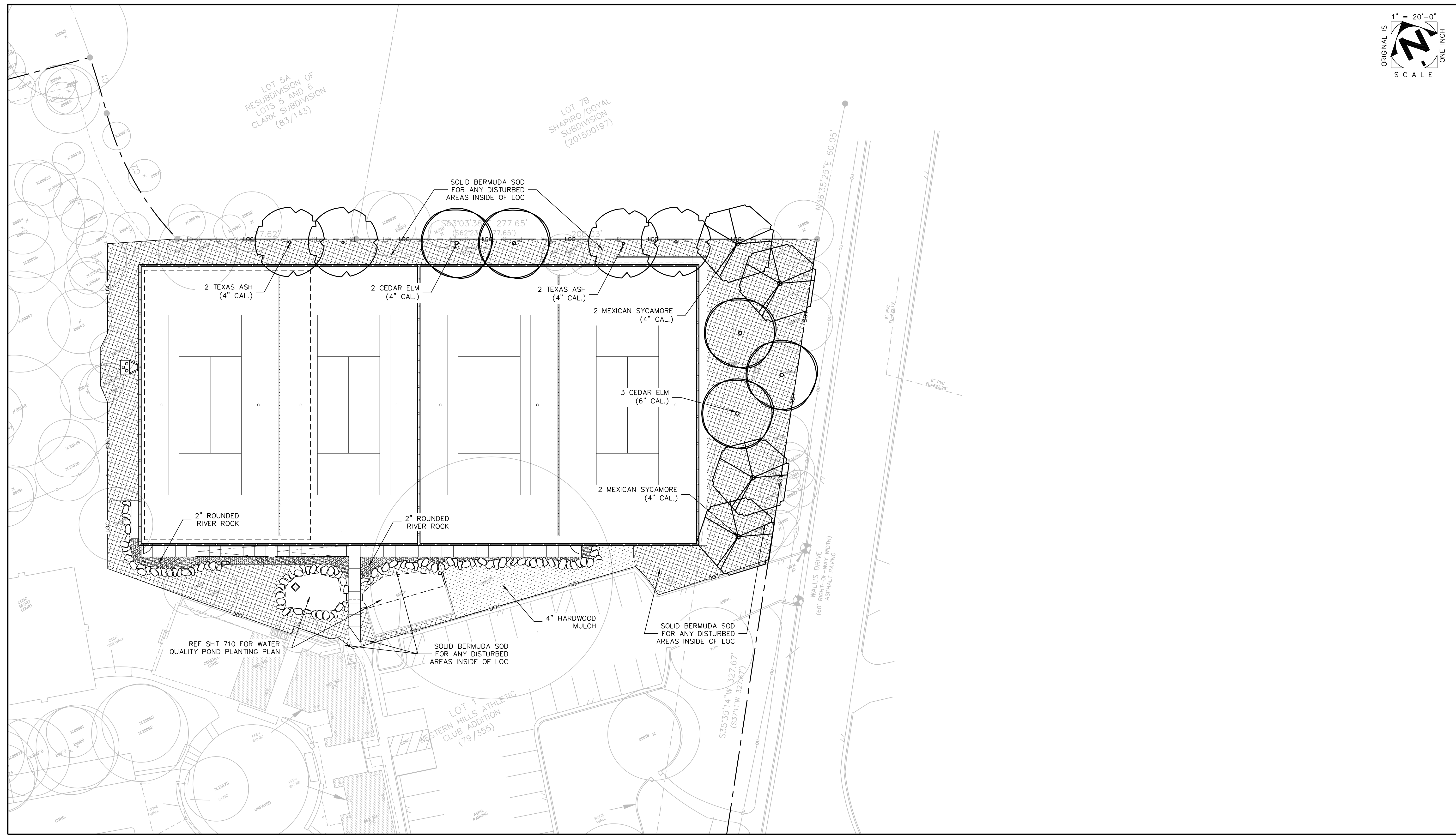
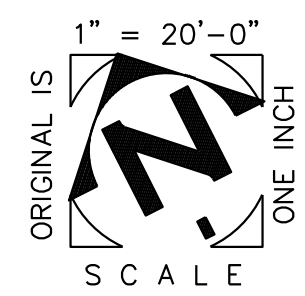
700
22 OF 26



mwm Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBEF FIRM REGISTRATION NO.: F-1416
TBLPS FIRM REGISTRATION NO.: 10065600

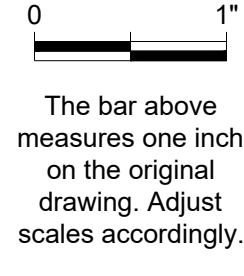


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TBRF FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



LANDSCAPE PLAN

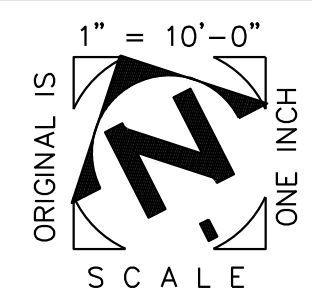
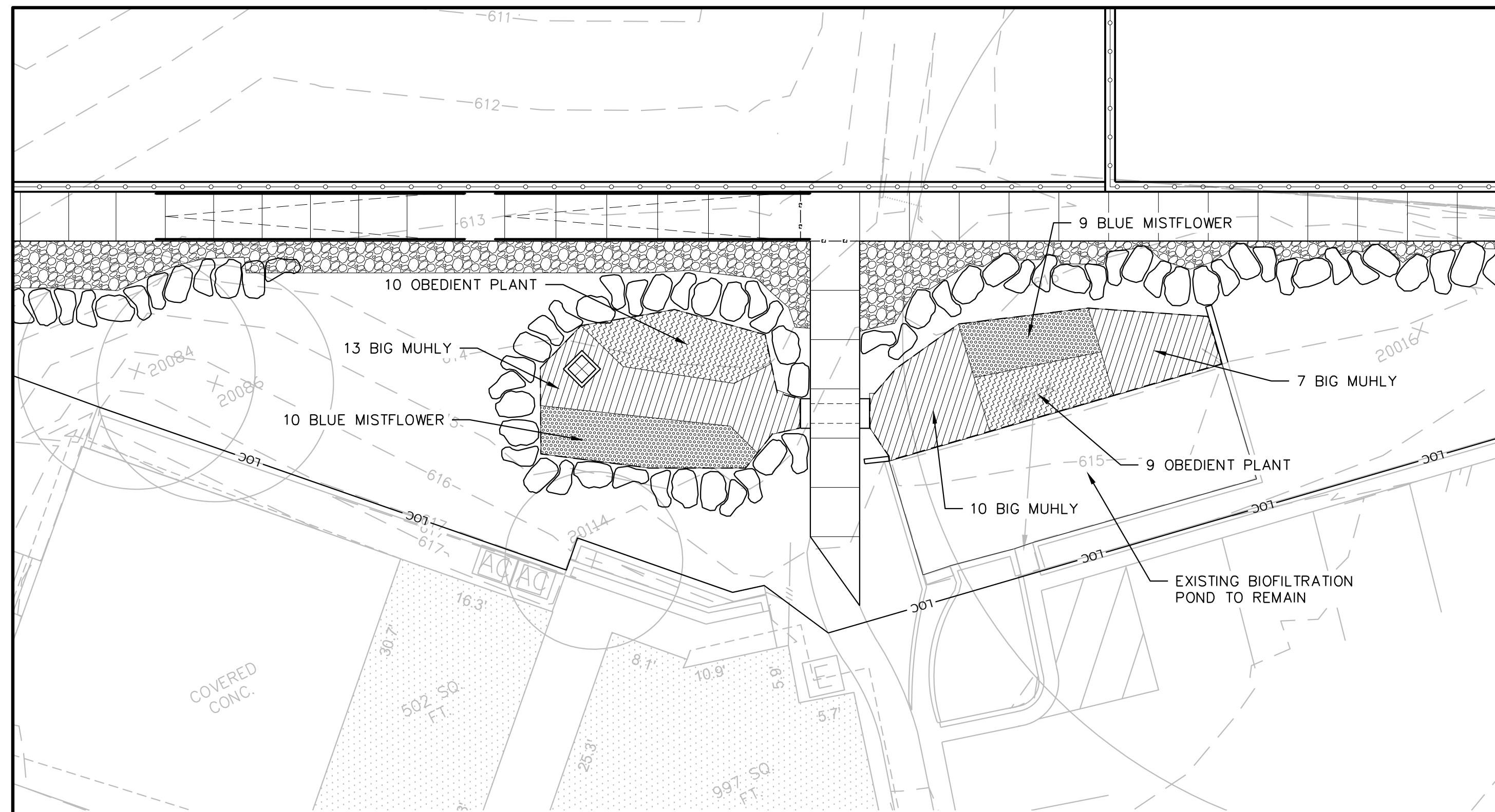
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

701

23 OF 26

File: Y:\863-01_WHP_Athletic_Club\CAD_Sheets\701_Landscape_Plan.dwg 22x34



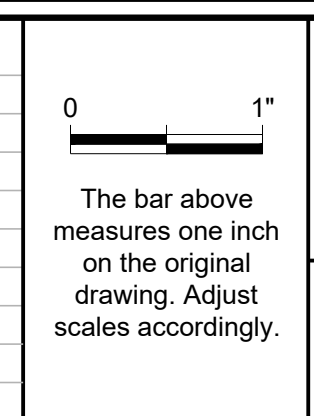
RAIN GARDEN CALCULATIONS			6-Apr-20
Biofiltration Pond Bottom	660	sf	
Biofiltration Pond Landscape		Size	Quantity
Obedient Plant		1 Gallon	19
Blue Mistflower		1 Gallon	19
Big Muhly		1 Gallon	30
			68

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Design Group

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TBAE FIRM REGISTRATION NO.: 1452
TBRE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



WATER QUALITY POND PLANTING PLAN

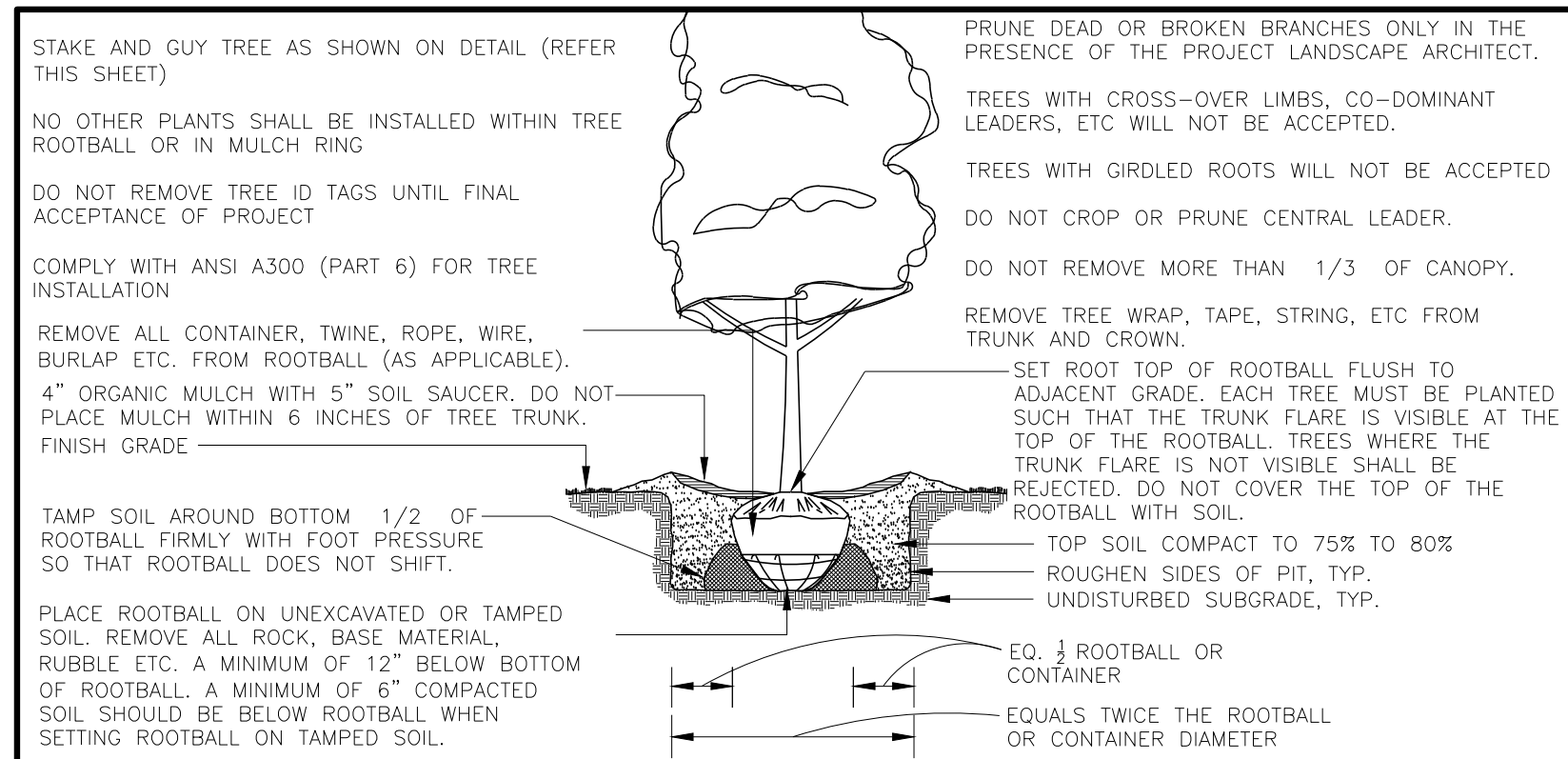
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

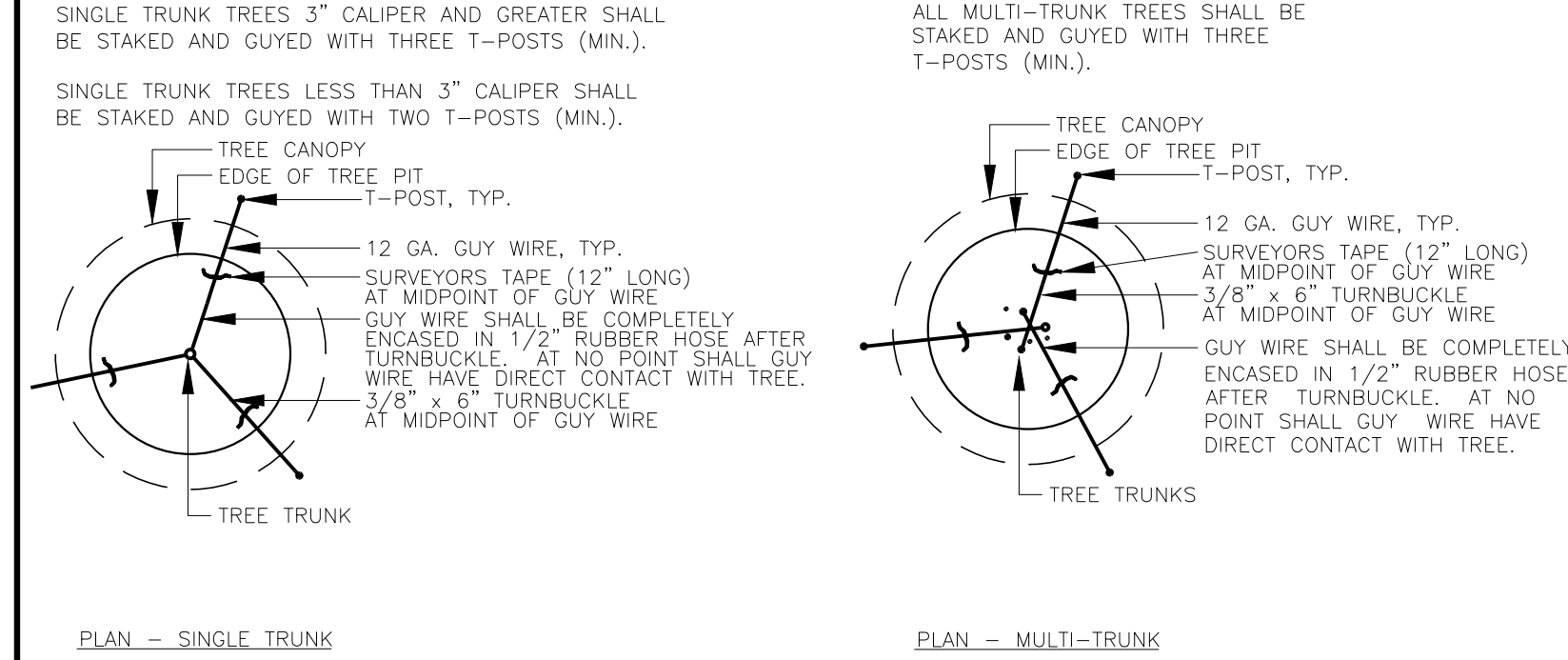
710

24 OF 26

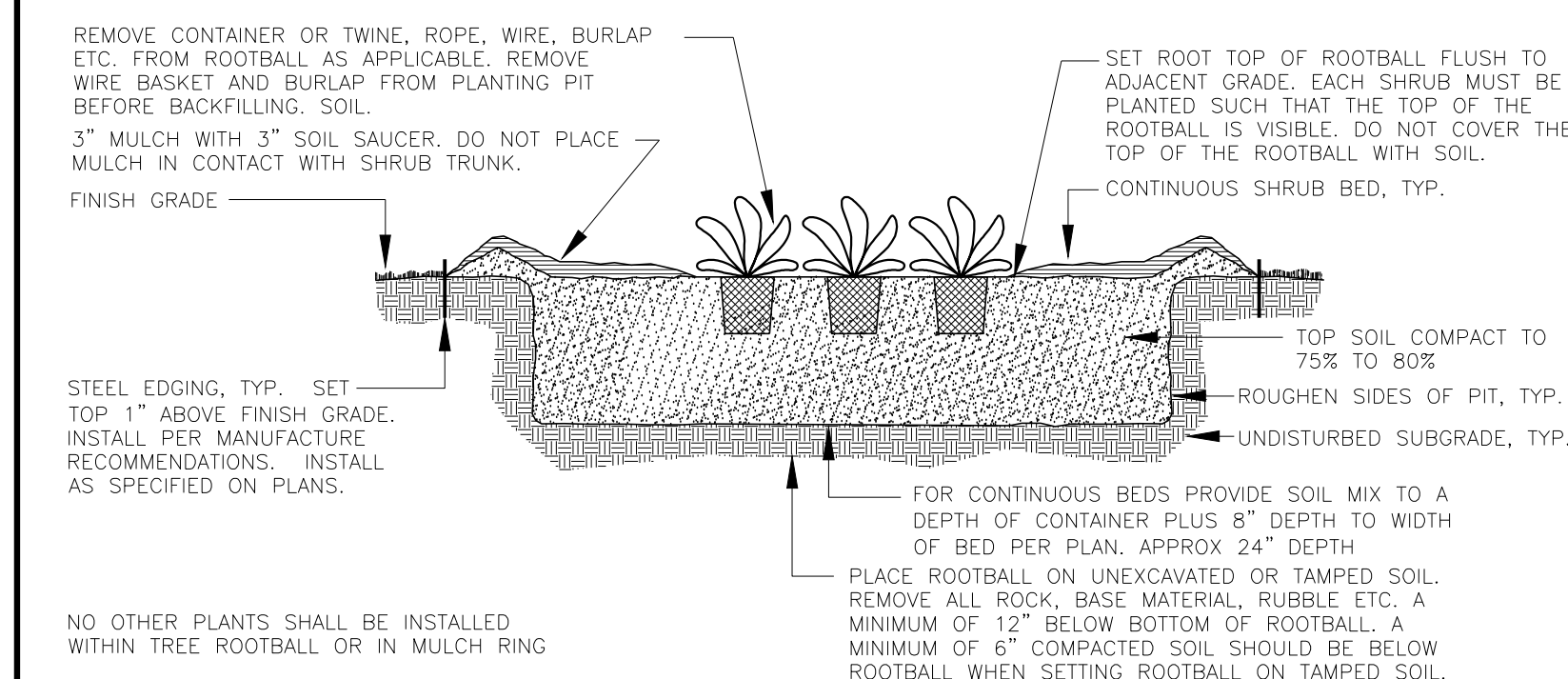
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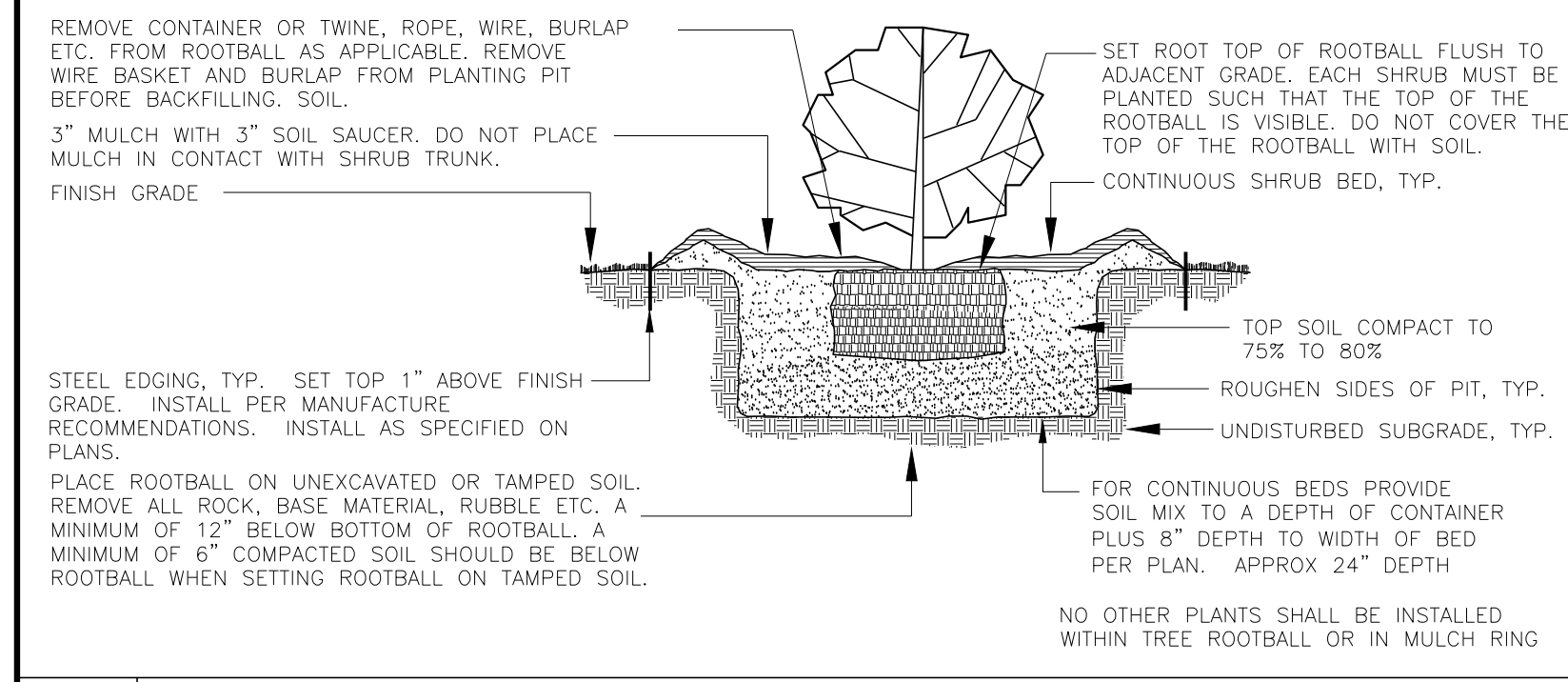
1 TREE PLANTING DETAIL (SINGLE TRUNK) GREATER THAN 3" CALIPER NO SCALE



2 TREE STAKING DETAIL NO SCALE



3 PERENNIAL / GROUNDCOVER PLANTING DETAIL NO SCALE



4 SHRUB PLANTING DETAIL NO SCALE

	<p>305 East Huntland Drive Suite 200 Austin, Texas 78752 p: 512.453.0767 f: 512.453.1734</p> <p>TBAE FIRM REGISTRATION NO.: 1452 TBE FIRM REGISTRATION NO.: F-14116 TBLPS FIRM REGISTRATION NO.: 10065000</p>	NO.	DATE	DESCRIPTION	BY	<p>The bar above measures one inch on the original drawing. Adjust scales accordingly.</p>	<h1>LANDSCAPE DETAILS</h1> <p>Western Hills Athletic Club 4801 Rollingwood Drive Austin, TX 78746</p>	PLOTTED: 7/7/2020 JOB NO: 863-01
		<h1 style="text-align: center;">791</h1> <p style="text-align: center;">25 OF 26</p>						

File: Y:\863-01_WHP_Athletic_Club\CAD\Sheets\791 Landscape Details.dwg 22x34

OWNER:
WESTERN HILLS ATHLETIC CLUB
4801 ROLLINGWOOD DR
AUSTIN, TEXAS 78746

LANDSCAPE ARCHITECT:
MWM DESIGN GROUP, INC.
305 E HUNTLAND DR, STE #200
AUSTIN, TEXAS 78752

CONTACT:
CATHERINE SCOTT, PRESIDENT
(512) 327-6373

CONTACT:
DAVID CAZARES, ASLA, LEED AP
(512) 453-0767

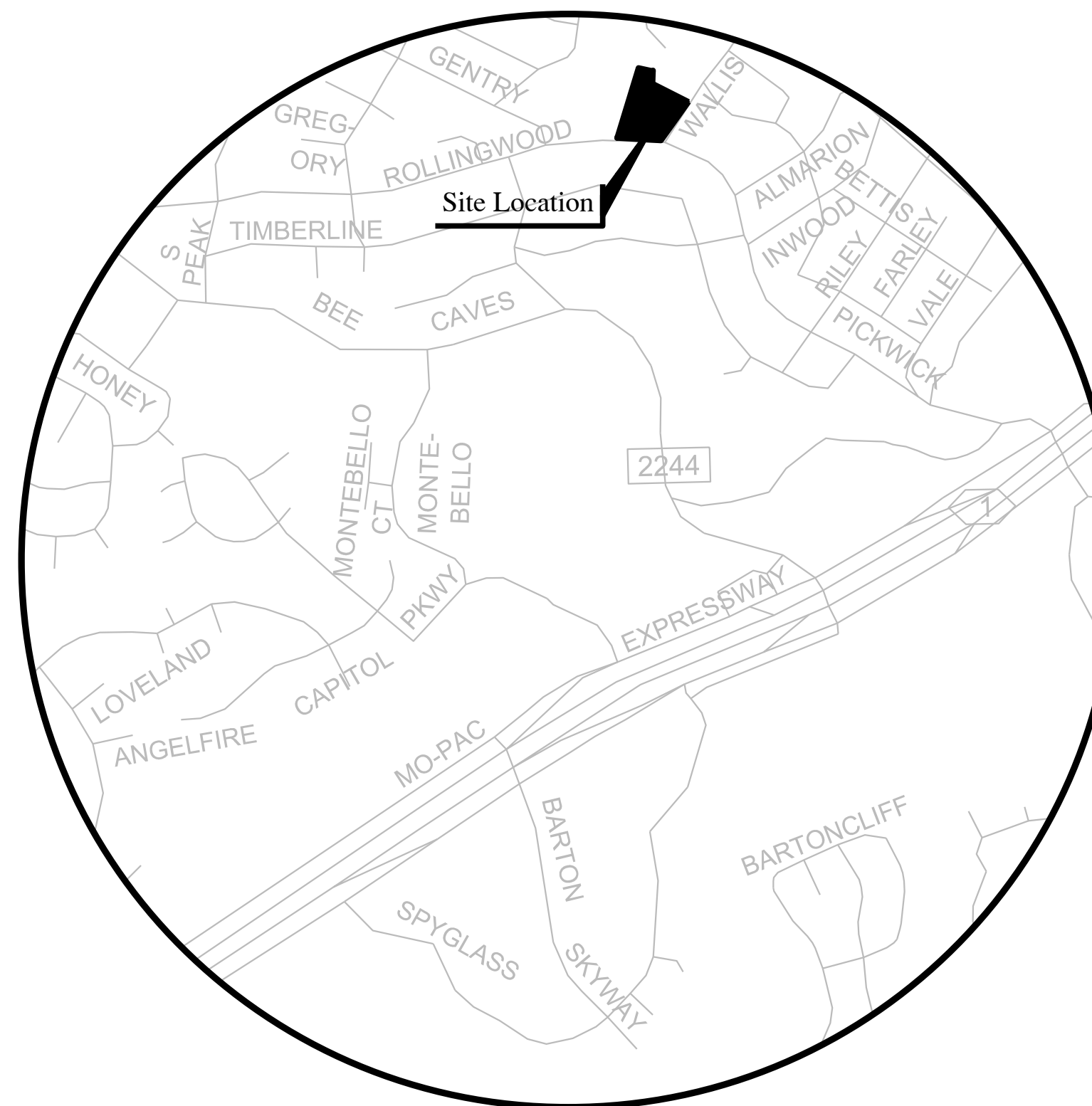
CIVIL ENGINEER / AGENT:
MWM DESIGN GROUP, INC.
305 E HUNTLAND DR, STE #200
AUSTIN, TEXAS 78752

CONTACT:
MATTHEW RECTOR, P.E., CFM
(512) 453-0767

Western Hills Athletic Club

4801 Rollingwood Drive
Austin, Texas 78746

SUBMITTAL DATE
DATE: APRIL 24, 2020



LOCATION MAP

LEGAL DESCRIPTION: LOT 1, WESTERN HILLS ATHLETIC CLUB ADDITION
 ZONED: PARK ZONING DISTRICT (P)
 PROPOSED IMPERVIOUS COVER: 68186.17 SF, 50%
 WATERSHED: LADY BIRD LAKE & EANES CREEK CLASSIFICATION: SUBURBAN

NOTES:

1. THIS SITE LIES WITHIN THE ROLLINGWOOD FULL PURPOSE JURISDICTION.
2. NO PORTION OF THIS SITE IS WITHIN THE 100 YEAR FLOODPLAIN AS PER FEMA FIRM PANEL #48453C0445K, DATED JANUARY 22, 2020.
3. NO CRITICAL ENVIRONMENTAL FEATURES ARE KNOWN TO EXIST WITHIN 150' OF THE PROJECT SITE.
4. THIS SITE IS LOCATED OVER THE EDWARD'S AQUIFER RECHARGE ZONE.
5. TREES GREATER THAN 8" IN DIAMETER ARE KNOWN TO EXIST ON THIS SITE.
6. AS PART OF THE SITE PLAN, THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO BE ON SITE AT ALL TIMES.

Sheet List		
Sheet Index	Sheet Number	Sheet Name
1	000	COVER SHEET
2	001	GENERAL NOTES
3	010	EXISTING CONDITIONS
4	101	SITE PLAN
5	181	SITE DETAILS
6	191	SITE DETAILS
7	201	DEMOLITION PLAN
8	231	EROSION/SEDIMENTATION CONTROL & TREE PROTECTION PLAN
9	281	EROSION / SEDIMENTATION CONTROL & TREE PROTECTION DETAILS
10	301	GRADING PLAN
11	501	EXISTING DRAINAGE AREA MAP
12	502	EXISTING DRAINAGE AREA CALCULATIONS
13	503	PROPOSED DRAINAGE AREA MAP
14	504	PROPOSED DRAINAGE AREA CALCULATIONS
15	531	WATER QUALITY POND PLAN
16	541	DETENTION POND PLAN
17	542	DETENTION POND PLAN
18	543	DETENTION POND DETAILS
19	544	DETENTION POND DETAILS
20	545	DETENTION POND DETAILS
21	546	DETENTION POND DETAILS
22	700	LANDSCAPE NOTES & CALCULATIONS
23	701	LANDSCAPE PLAN
24	710	WATER QUALITY POND PLANTING PLAN
25	791	LANDSCAPE DETAILS
26	801	IRRIGATION PLAN

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

SUBMITTED BY:

 MATTHEW RECTOR, P.E., CFM DATE
 MWM DESIGN GROUP
 305 E HUNTLAND DRIVE, SUITE 200
 AUSTIN, TX. 78752
 (512)453-0767

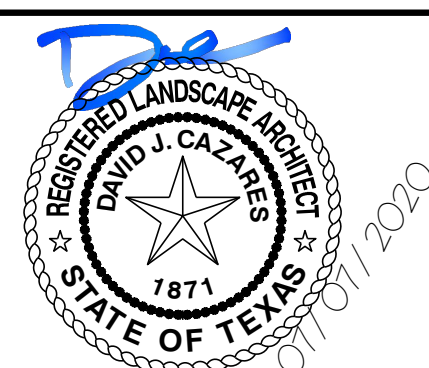
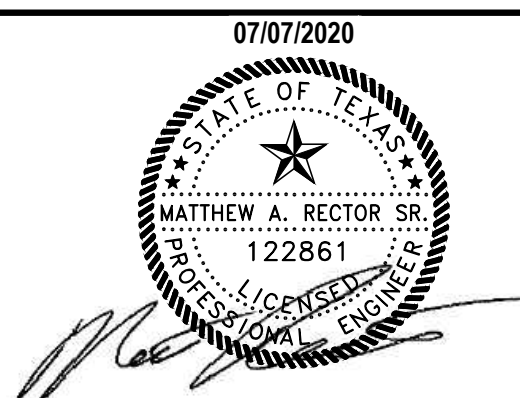
APPROVED BY: _____ DATE
 FOR DIRECTOR OF PLANNING AND
 DEVELOPMENT REVIEW DEPARTMENT

 SITE DEVELOPMENT PERMIT NUMBER

PERMIT DOCUMENTS

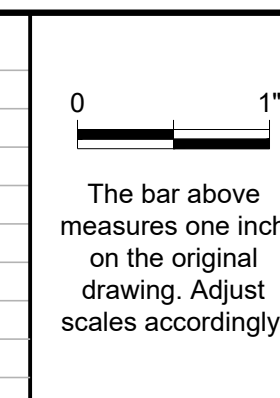
These plans have been reviewed by AHS Engineers, Inspectors and Surveyors for code compliance and adopted jurisdictional ordinances. This stamp of review in no way alleviates the responsibility of the owner or contractor to comply with all codes, ordinances, State and Federal laws. Copy of plans bearing this stamp shall be available on the jobsite at all times.

**THIS SET TO
REMAIN
ON-SITE**



305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734
 TBAE FIRM REGISTRATION NO.: 1452
 TBPE FIRM REGISTRATION NO.: F-1416
 TBPLS FIRM REGISTRATION NO.: 10065600

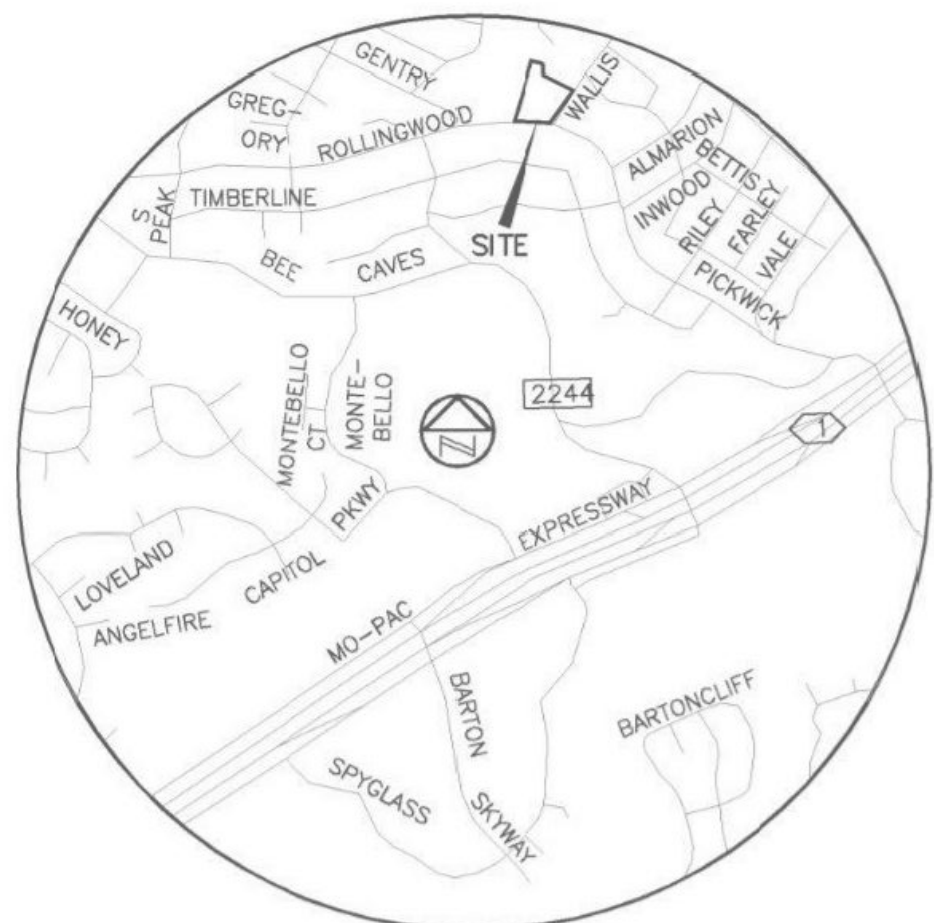
NO.	DATE	DESCRIPTION	BY



COVER SHEET

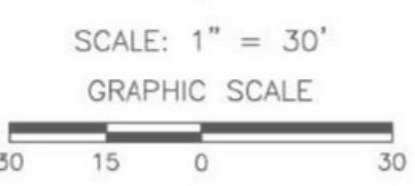
Western Hills Athletic Club
 4801 Rollingwood Drive
 Austin, TX 78746

PLOTTED: 7/7/2020
 JOB NO: 863-01
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 1 OF 26



A SURVEY OF ALL OF LOT 1, WESTERN HILLS ATHLETIC CLUB ADDITION, A SUBDIVISION OF RECORD IN TRAVIS COUNTY, TEXAS ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 79, PAGE 355 OF THE THE PLAT RECORDS OF TRAVIS COUNTY, TEXAS, SAVE AND EXCEPT A 2,411 SQUARE FEET TRACT DESCRIBED IN VOLUME 11901, PAGE 1260 OF THE REAL PROPERTY RECORDS OF TRAVIS COUNTY, TEXAS.

LOCATION MAP NOT TO SCALE

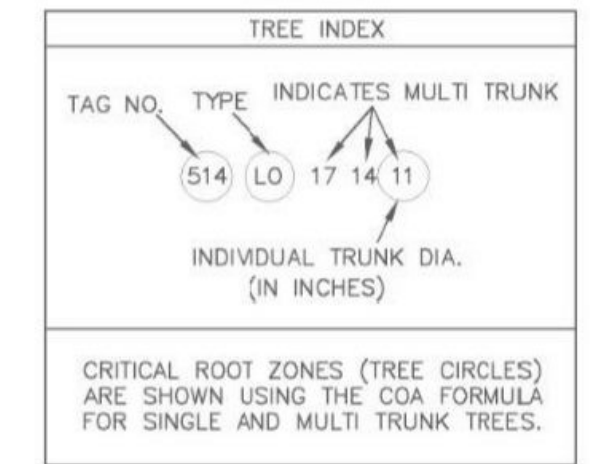


TREE LIST				
16901 HB 7 4	20027 CE 8	20055 LO 8 7	20082 LO 21	20118 CDR 7
16902 CE 6 4	20028 CE 9	20056 CDR 13	20083 LO 17	20119 CDR 9
16903 LO 9	20029 CB 14	20057 LO 16 12	20084 LO 12	20120 CDR 7
16904 LO 7	20030 CB 14	20058 CDR 14	20086 LO 12	20121 LO 7
16905 LO 9	20032 HB 13	20059 LO 13	20088 LO 14	20122 CDR 6
16906 LO 8	20033 CB 9	20060 CDR 7	20089 LO 11	20123 CDR 8
16907 CE 7 4	20034 CB 11 7 5	20061 CE 6	20090 LO 16	20124 CDR 6
16908 LO 13	20035 CB 7	20062 CDR 8	20125 LO 13	20126 LO 10
16909 LO 7	20036 CB 8	20063 LO 17	20126 LO 9	20127 LO 8
16910 CB 9	20038 CB 15	20064 CDR 10	20128 LO 11	20128 LO 8
16911 CB 7	20039 CDR 10	20065 PO 19 16	20129 CDR 12	20129 CDR 6
16912 LIC 8 6	20040 CE 8	20066 CDR 6 9	20130 CDR 7	20130 CDR 7
16913 BE 8	20041 CE 13	20067 LO 7	20131 CDR 7	20131 CDR 7
16914 BE 6	20042 CE 12	20068 LO 10	20132 CDR 7	20132 CDR 7
16915 BE 6	20043 CE 10 8	20069 LO 11 8	20133 CE 9	20133 CE 9
16916 WLNT 7	20044 LO 10	20070 CDR 7	20134 CE 10	20134 CE 10
16917 WLNT 6	20045 LO 8	20071 CE 6	20135 LO 13 10	20135 LO 13 10
16918 WLNT 6	20046 LO 13	20072 CB 7	20136 HB 6	20136 HB 6
20018 LO 20	20049 HB 8	20073 LO 15	20137 CDR 6	20137 CDR 6
20021 LO 19	20050 CE 10	20074 LO 15	20138 CE 8	20138 CE 8
20023 PEC 17	20051 LO 11	20075 LO 18	20139 CDR 8	20139 CDR 8
20024 LO 18	20052 LO 12	20076 LO 15	20140 HB 9	20140 HB 9
20025 LO 13	20053 LO 10	20077 LO 17	20141 PEC 11	20141 PEC 11
20026 LO 8 5	20054 LO 17 16	20078 LO 17	20142 PEC 10	20142 PEC 10
		20081 LO 11	20143 CDR 6	20143 CDR 6

TREE LEGEND	
BE	BOX ELDER
CB	CHINA BERRY
CDR	CEDAR
CE	CEDAR ELM
HB	HACKBERRY
LIG	LIGUSTRUM
LO	LIVE OAK
PEC	PECAN
WLNT	WALNUT

BENCHMARK NOTE:
 B.M. #1 - SQUARE CUT ON B.O.C., NORTH SIDE OF ROLLINGWOOD DR. +/-105 FEET WEST OF WALLIS DR. ELEV.=628.77'
 B.M. #3 - SQUARE CUT ON B.O.C. ON THE WEST SIDE OF WALLIS DR. +/-190 FEET NORTH OF ROLLINGWOOD DR. ELEV.=631.07'

MANHOLE AND INLET NOTE:
 THIS SURVEY SHOWS FIELD MEASURED SIZES AND DEPTHS AS OBSERVED FROM GROUND LEVEL OPENINGS. EXACT MEASUREMENTS AND DEPTHS PARTICULARLY IN CRITICAL AREAS, SHOULD BE VERIFIED WITH UTILITY RECORD MAPS AND/OR FIELD VERIFICATION PRIOR TO FINAL PLANNING OR CONSTRUCTION.



PERMIT DOCUMENTS

LEGEND	
●	1/2" REBAR FOUND
△	CALCULATED POINT
⊙	3/4" IRON PIPE FOUND
▲	NAIL FOUND
✱	COTTON SPINDLE FOUND
⊕	BENCHMARK LOCATION
⊠	WATER METER
⊗	WATER VALVE
⊕	FIRE HYDRANT
⊗	SPRINKLER CONTROL VALVE
⊗	UTILITY POLE
—	GUY WIRE
—	OVERHEAD UTILITIES
⊗	LIGHT POLE
⊗	WASTEWATER CLEANOUT
⊗	WASTEWATER MANHOLE
⊗	STORMSEWER MANHOLE
⊗	HANDICAP PARKING SPACE
⊗	AC PAD
⊗	GAS UTILITY
⊗	ELECTRIC UTILITY
—	SIGN
—	EDGE OF PAVEMENT
—	WROUGHT IRON FENCE
—	CHAIN LINK FENCE
⊗	PUMP BOX
⊗	PUMP

FLOOD—PLAIN NOTE:
 The tract shown hereon lies within Zone "X" (areas determined to be outside 500-year flood-plain), as identified by the Federal Emergency Management Agency, Federal Insurance Administration, as shown on map no. 484500045A, dated January 08, 2016, for Travis County, Texas and incorporated areas. If this site is not within an identified special flood hazard area, this flood statement does not imply that the property and/or the structures thereon will be free from flooding or flood damage. This flood statement shall not create liability on the part of the surveyor.

TITLE COMMITMENT NOTE:
 This Survey was prepared without the benefit of a Commitment for Title, and may be subject to additional easements or restrictions not shown hereon. No additional easement research was done for the purpose of this survey.

NOTE FROM PREVIOUS SURVEY (9/26/07):
 The Travis CAD map 01_0909 (01/04/2006) shows what appears to be additional R.O.W. for Rollingwood Drive and Wallis Drive. There was no monumented evidence in the field of a R.O.W. dedication along the north line of Rollingwood Drive. After researching Travis CAD and the Travis County Clerk records, we were not able to locate any documents reflecting additional street frontage conveyed to the City of Rollingwood. Since no title research was provided by the client, there was not enough data to accurately determine the position of the intersection of the north R.O.W. of Rollingwood Drive and the west R.O.W. of Wallis Drive, so the position is represented on the map by a calculated point for the purposes of this survey.

SURVEYOR'S CERTIFICATE:
 CERTIFIED TO:
 Julie Martinez
 Western Hills Athletic Club

PROPERTY ADDRESS: Rollingwood Drive @ Wallis Drive

DATE OF SURVEY: 09/28/07; Topographic and Tree Survey Updated 09/20/17, Updated 4/27/18

BEARING BASIS: Grid azimuth for Texas Central Zone state plane coordinates, based on GPS solutions from The National Geodetic Survey (NGS) On-line Positioning User Service (OPUS).

ATTACHMENTS: none

I hereby certify that a survey of the property shown hereon was actually made upon the ground under my direction and supervision on the date shown, and that to the best of my professional knowledge and belief there are no apparent encroachments, overlapping of improvements, discrepancies, deed line conflicts, visible utility lines or roads in place, except as shown hereon, and that this property abuts or adjoins a dedicated road right-of-way or access easement, unless noted hereon.

Robert C. Watts, Jr. Date
 Registered Professional Land Surveyor
 State of Texas No. 4995

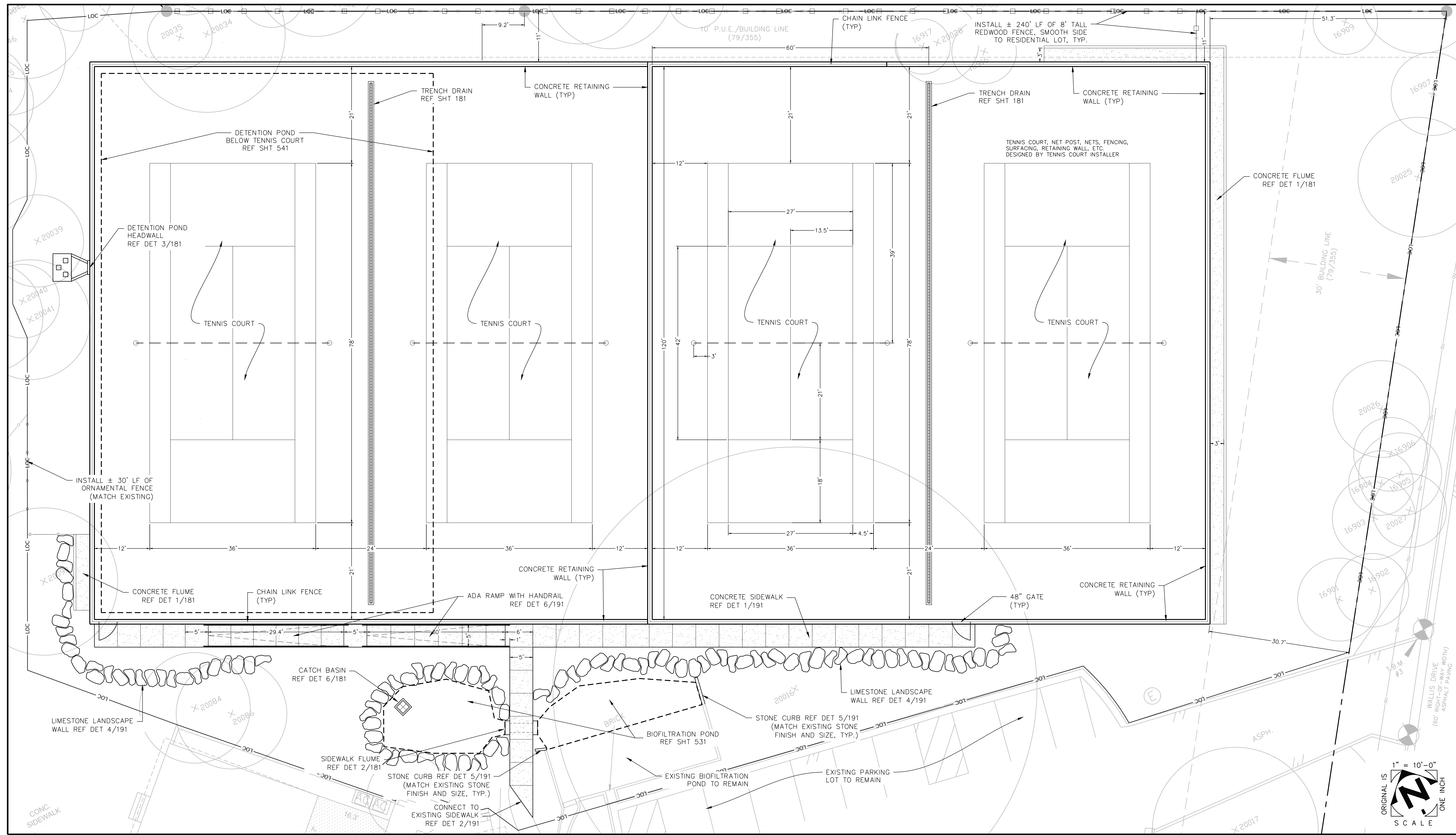
Professional Land Surveying, Inc.
 Surveying and Mapping
 3500 McCall Lane
 Austin, Texas 78744
 512-443-1724
 Firm No. 10124500

PROJECT NO.: 585-001
 DRAWING NO.: 585-001-BASE
 PLOT DATE: 05/10/18
 PLOT SCALE: 1"=30'
 DRAWN BY: RGH/MAW/EBD
 SHEET 01 OF 01

CURVE TABLE						
NO.	DELTA	RADIUS	TAN	ARC	CHORD	BEARING (RECORD CHORD)
C1	4°35'35"	315.81'	12.67'	25.32'	25.31'	S10°15'58"W (S11°47'W 25.26')
C2	29°33'56"	122.57'	32.34'	63.25'	62.55'	S02°21'10"E (S00°43'E 62.57')



2,411 SQ. FT. (DESCRIBED IN 11901/1260)
 [THIS PORTION OF LOT 1, WESTERN HILLS ATHLETIC CLUB ADDITION, WAS INCORPORATED INTO LOT 1, HATLEY PARK SUB.]



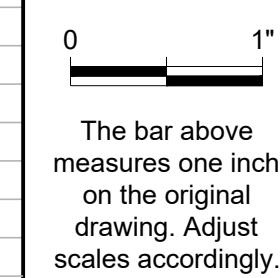
These plans have been reviewed by ATIS Engineers, Inspectors and Surveyors for code compliance and adopted jurisdictional ordinances. This stamp of review in no way alleviates the responsibility of the owner or contractor to comply with all codes, ordinances, State and Federal laws. Copy of plans bearing this stamp shall be available on the jobsite at all times.

[Signature]



305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TSPRE FIRM REGISTRATION NO.: F-14116
TBLPS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



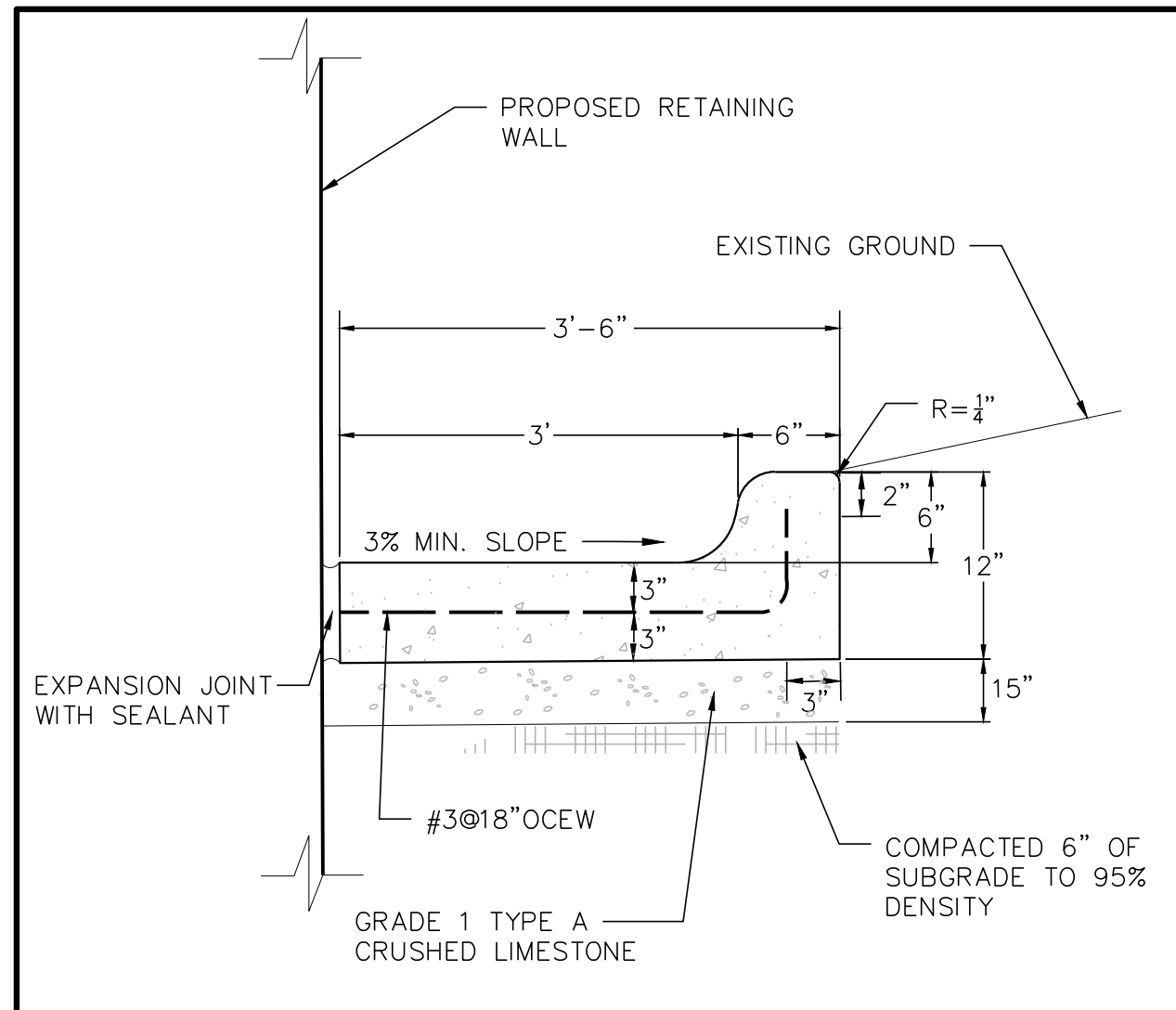
SITE PLAN

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

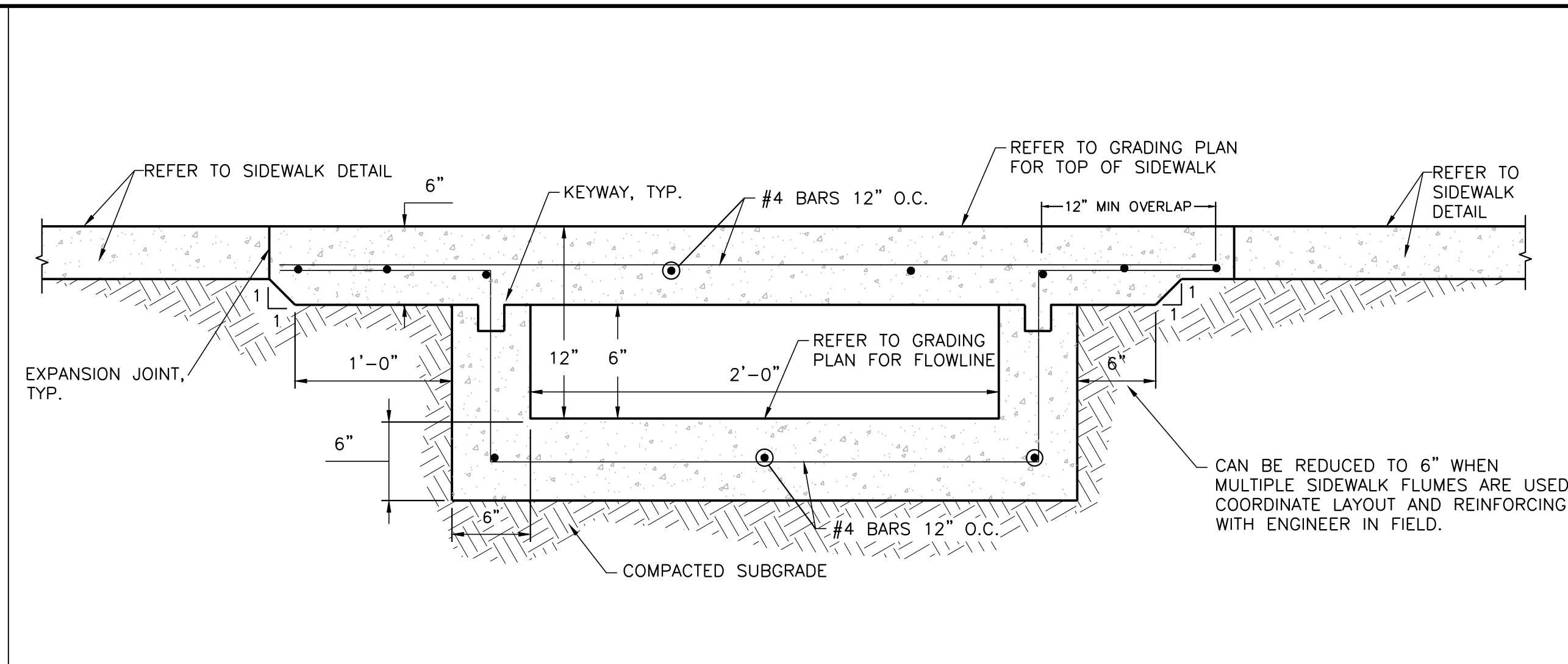
PLOTTED: 7/7/2020
JOB NO: 863-01

101

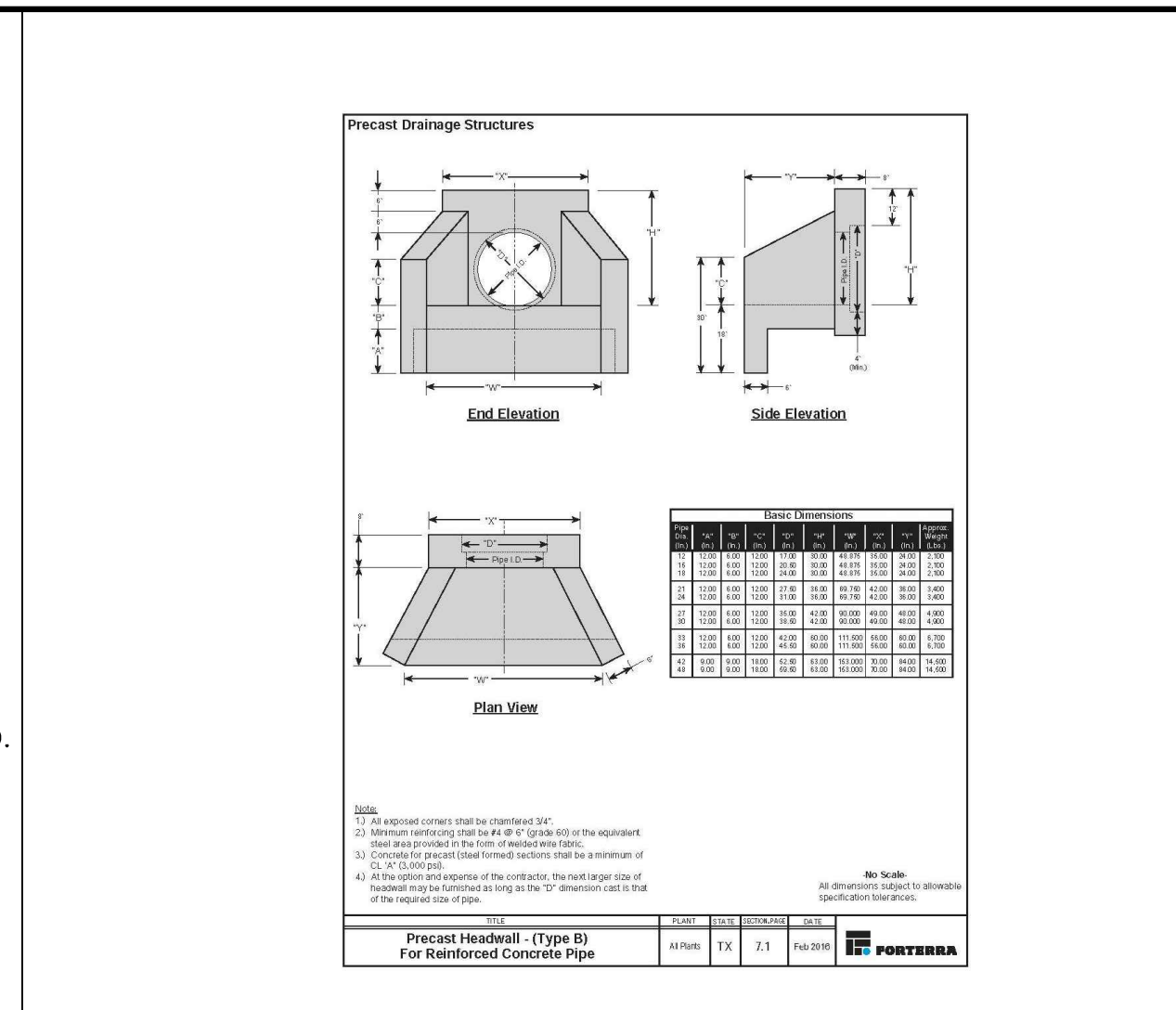
4 OF 26



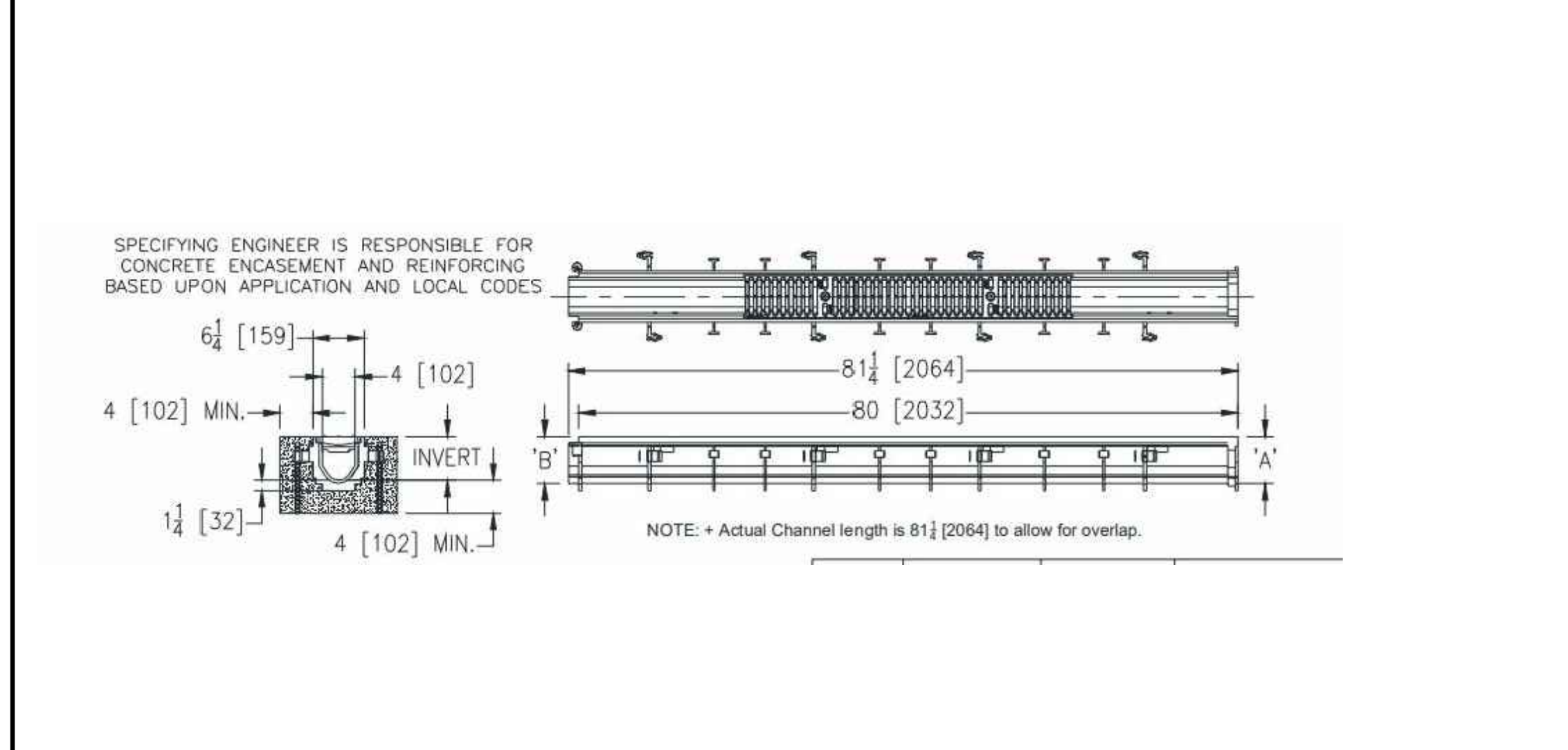
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SCALE: NTS



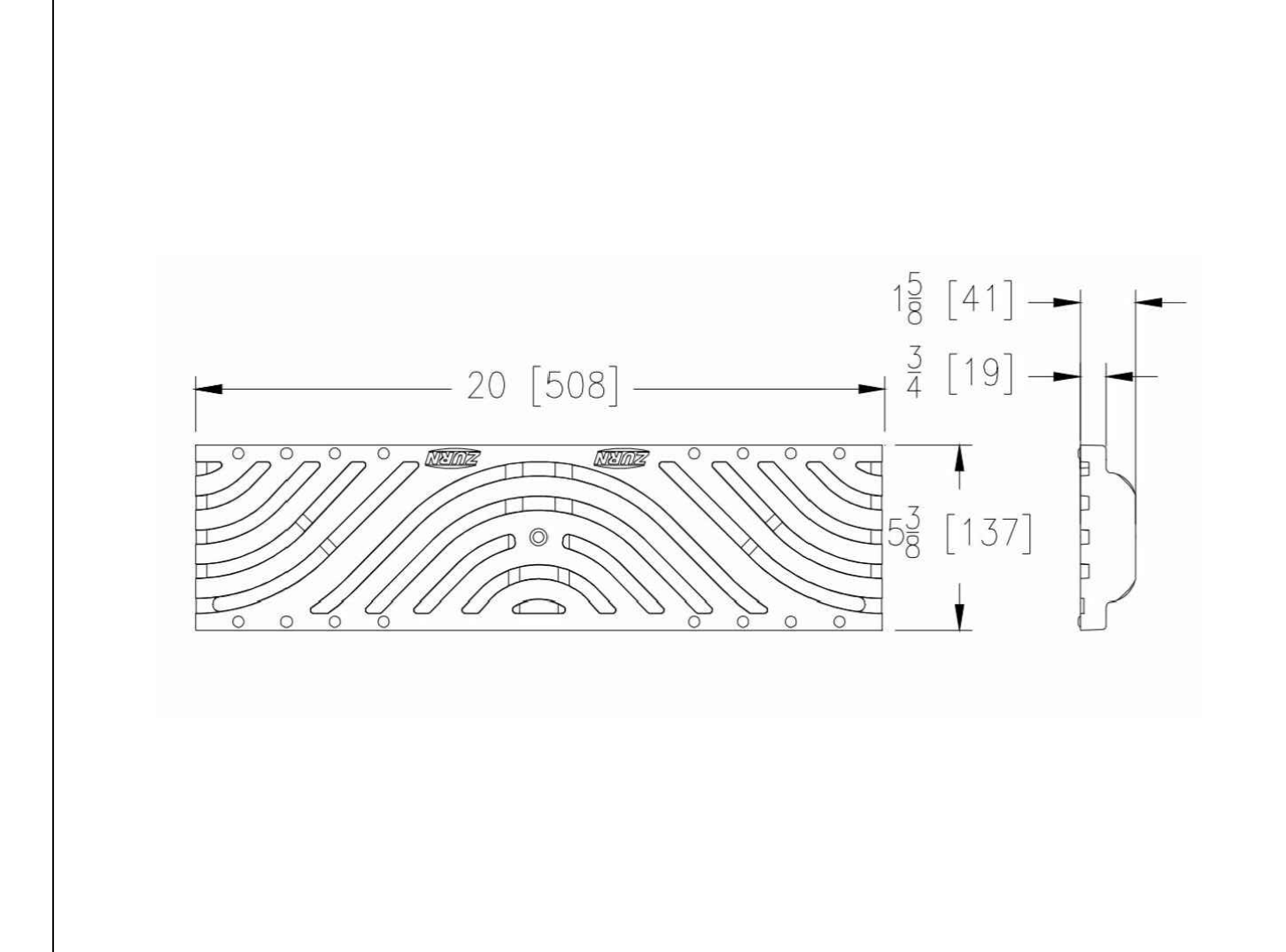
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SCALE: NTS



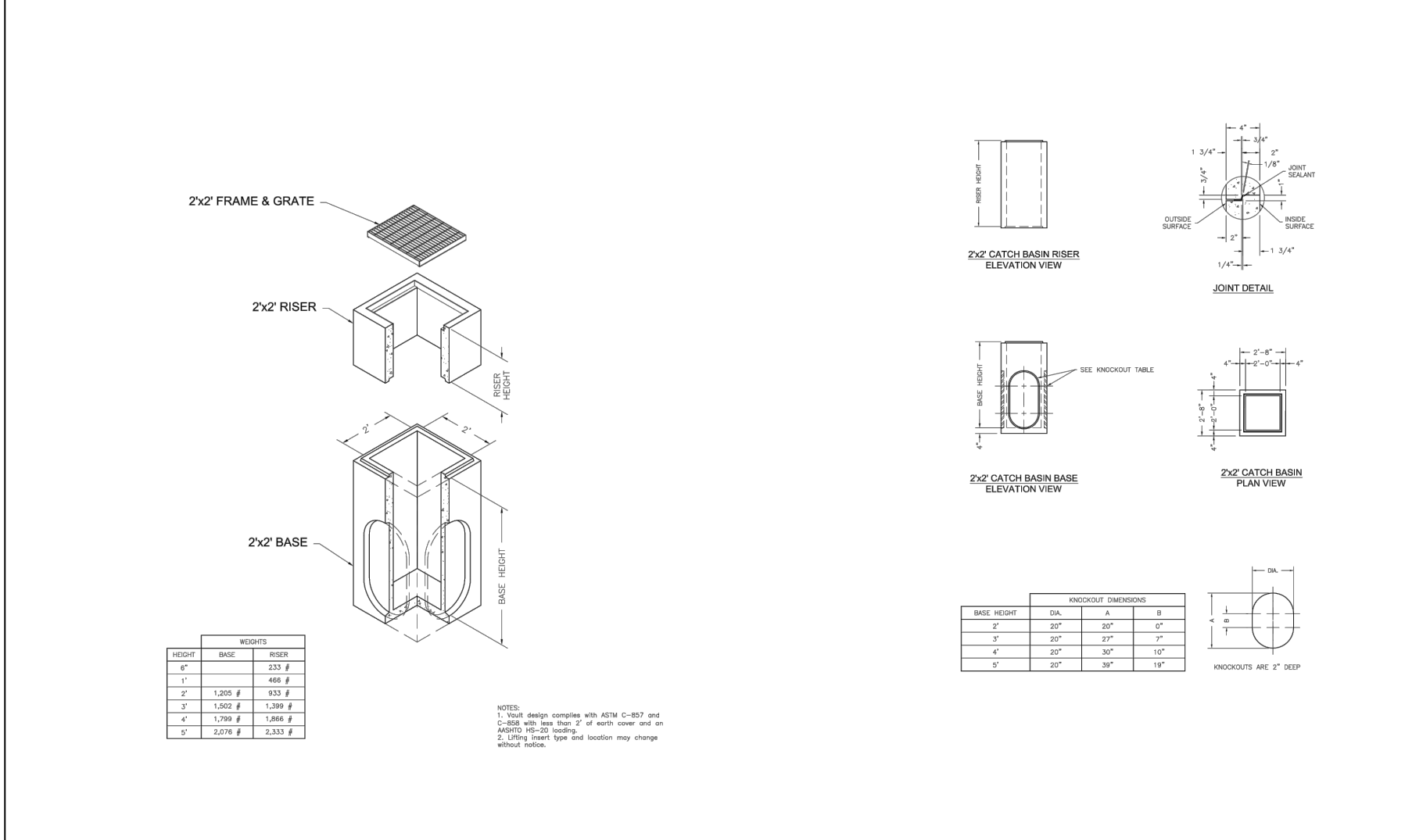
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SCALE: NTS



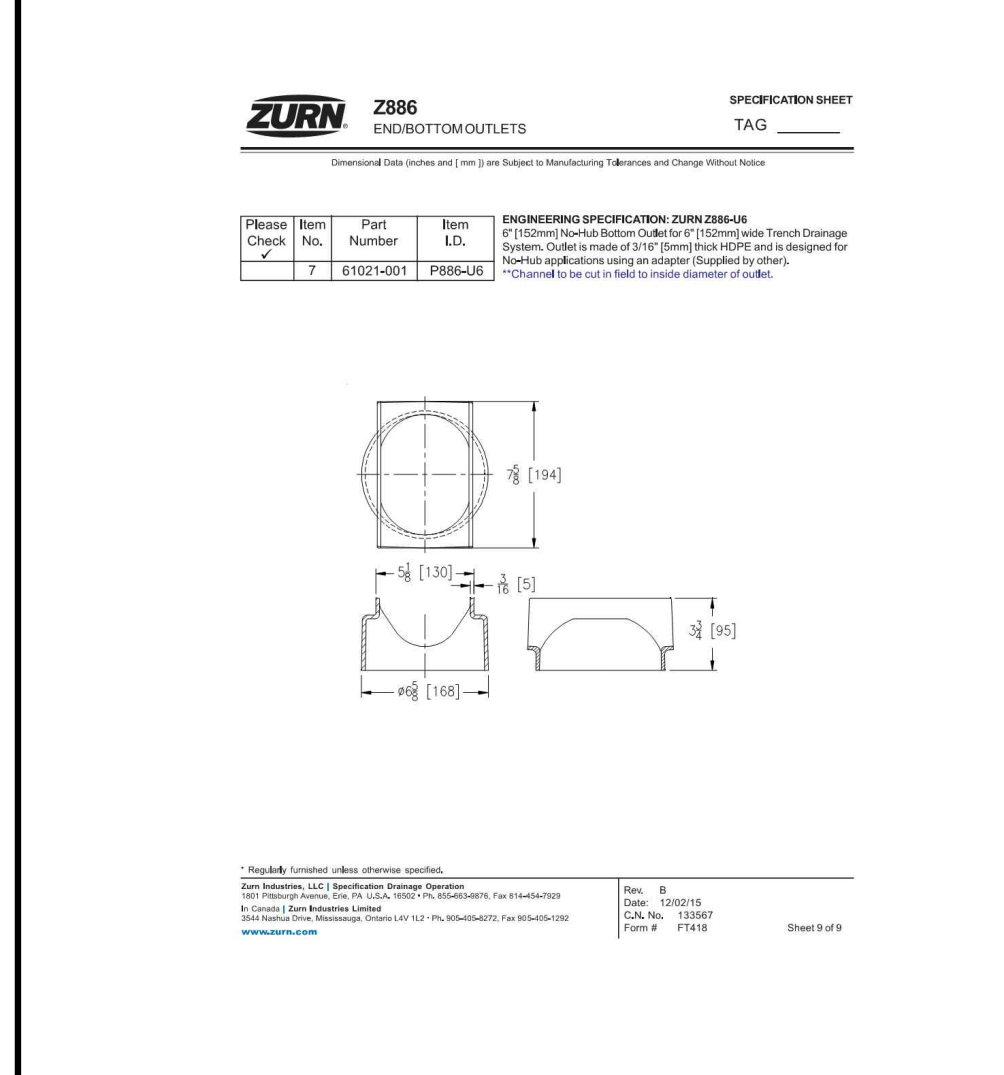
4 TRENCH DRAIN
SCALE: NTS



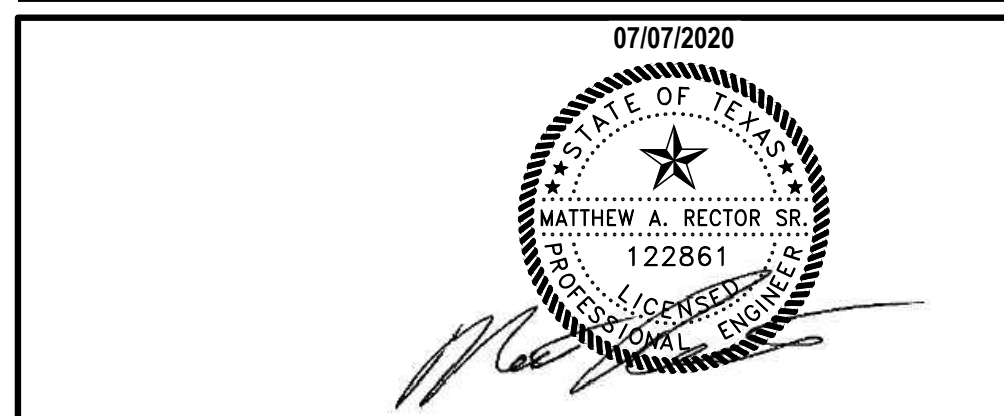
5 DRAINAGE COVER
SCALE: NTS



6 2'x2' CATCH BASIN
SCALE: NTS



7 U6-BOTTOM OUTLET
SCALE: NTS

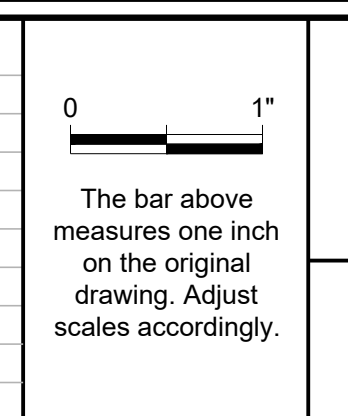


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305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

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TSPRE FIRM REGISTRATION NO.: F-14116
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



SITE DETAILS

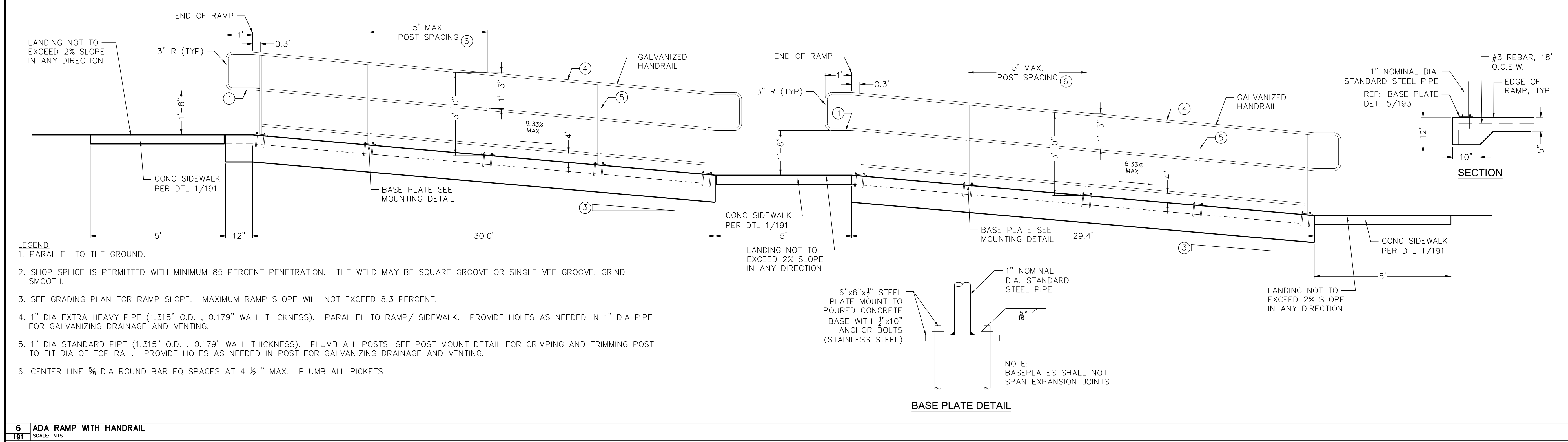
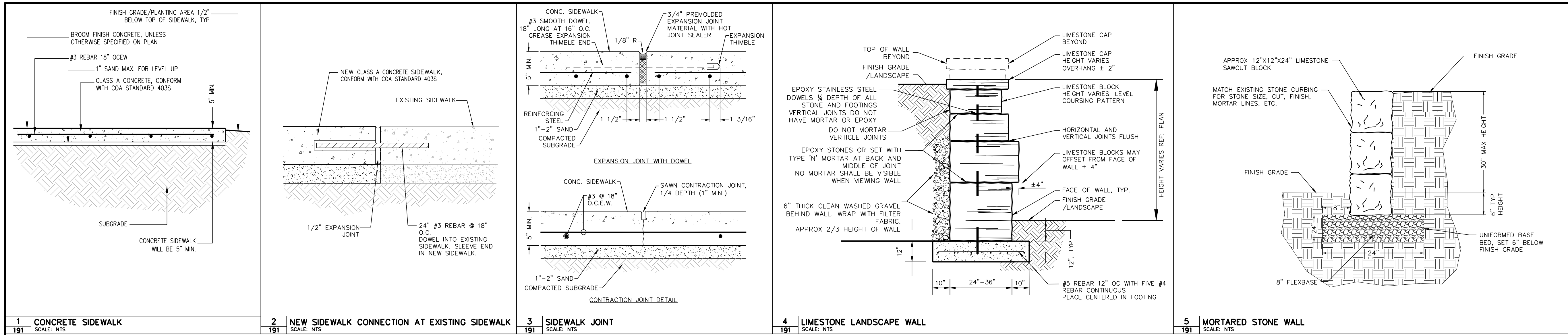
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

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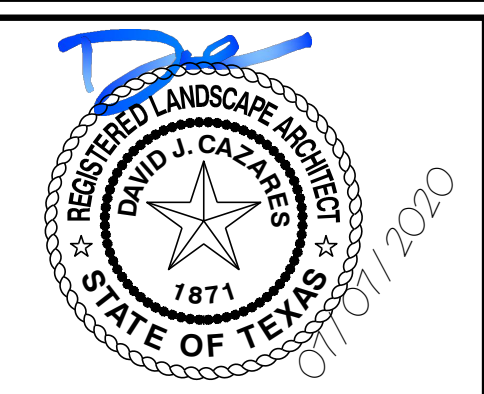
5 OF 26

PERMIT DOCUMENTS



These plans have been reviewed by AT&S Engineers, Inspectors and Surveyors for code compliance and adopted jurisdictional ordinances. This stamp of review in no way allocates the responsibility of the owner or contractor to comply with all codes, ordinances, State and Federal laws. Copy of plan bearing this stamp shall be available on the jobsite at all times.

[Signature]

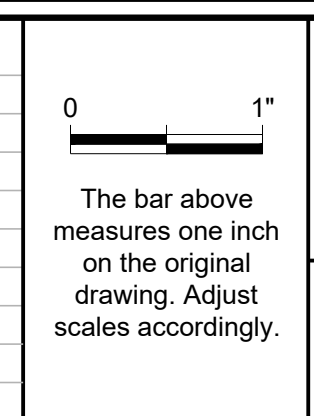


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p: 512.453.0767
f: 512.453.1734

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TBPLS FIRM REGISTRATION NO.: 10065000

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SITE DETAILS

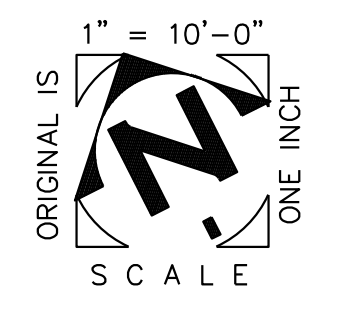
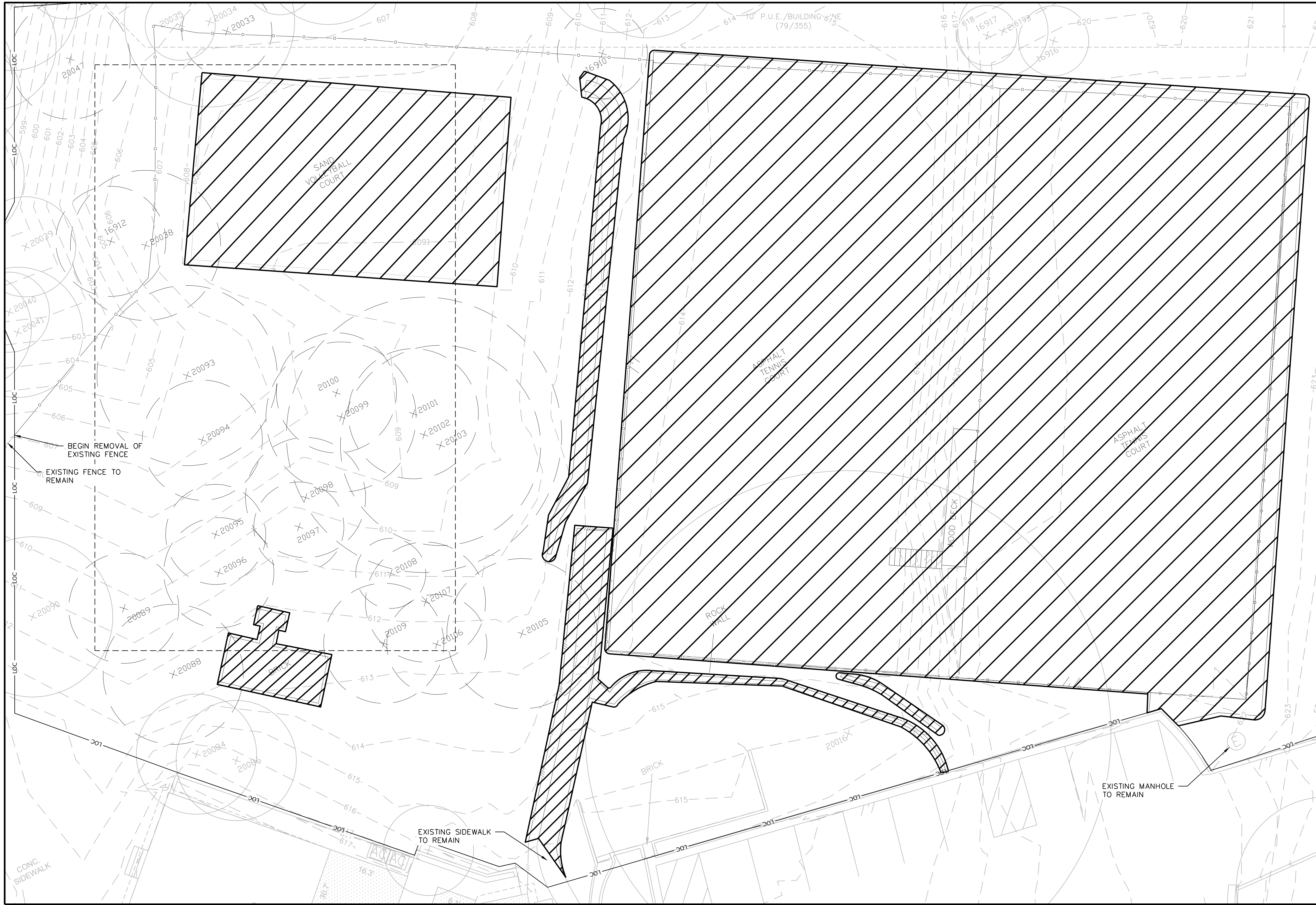
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JOB NO: 863-01

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File: Y:\863-01_WHP_Athletic_Club\CAD\Sheets\191_Site_Details.dwg 22x34



- DEMO LEGEND**
- EXIST. IMPROVEMENTS (TO BE REMOVED)
 - EXISTING FENCE (TO BE REMOVED)
 - EXIST. TREE (TO BE REMOVED)

- NOTES:**
1. CONTRACTOR TO VERIFY CLEARANCE OF OVERHEAD LINES. MINIMUM MUST BE 14 FEET. IF NOT, CONTRACTOR TO CONTACT UTILITY TO HAVE RAISED.
 2. DEMOLITION WASTE - COORDINATE WITH AMANDA HOWE, 512-327-6373.
 3. SALVAGE - COORDINATE WITH AMANDA HOWE, 512-327-6373.
 4. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED UNLESS OTHERWISE NOTED.
 5. ALL SIDEWALKS, CURBS, DRIVEWAYS, UTILITY APPURTENANCES, ETC. SHALL BE PROTECTED FROM DAMAGE OR RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE UNLESS SPECIFICALLY INDICATED TO BE REMOVED.
 6. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF SITE DURING CONSTRUCTION.
 7. KNOWN EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND DEPICTED USING RECORD DOCUMENTS. CONTRACTOR TO VERIFY LOCATION IN FIELD BEFORE STARTING CONSTRUCTION.

PERMIT DOCUMENTS

TREE REMOVAL LIST			
TREE TAG	TREE TYPE	SIZE (INCHES)	REASON FOR REMOVAL/MITIGATION
16910	Chinaberry	9.00	Invasive
16912	Ligustrum	11.00	Invasive
20033	Chinaberry	9.00	Invasive
20038	Chinaberry	15.00	Invasive
20047	Live Oak	12.00	Construction
20088	Live Oak	14.00	Construction
20089	Live Oak	11.00	Construction
20093	Live Oak	18.00	Construction
20094	Live Oak	12.00	Construction
20095	Live Oak	10.00	Construction
20096	Live Oak	11.00	Construction
20097	Live Oak	9.00	Construction
20098	Live Oak	12.00	Construction
20099	Live Oak	15.00	Construction
20100	Live Oak	12.00	Construction
20101	Live Oak	13.00	Construction
20102	Live Oak	27.50	Construction
20103	Live Oak	20.00	Construction
20105	Cedar Elm	15.00	Construction
20106	Live Oak	10.00	Construction
20107	Live Oak	12.00	Construction
20108	Live Oak	7.00	Construction
20109	Live Oak	12.00	Construction
TOTAL INCHES REMOVED		296.50	

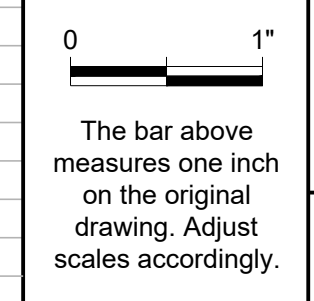


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TBPLS FIRM REGISTRATION NO.: 10065600

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DEMOLITION PLAN

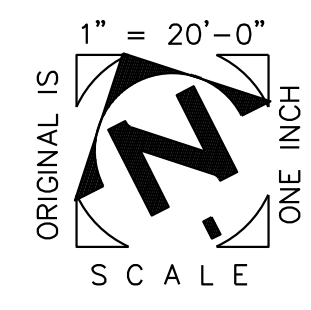
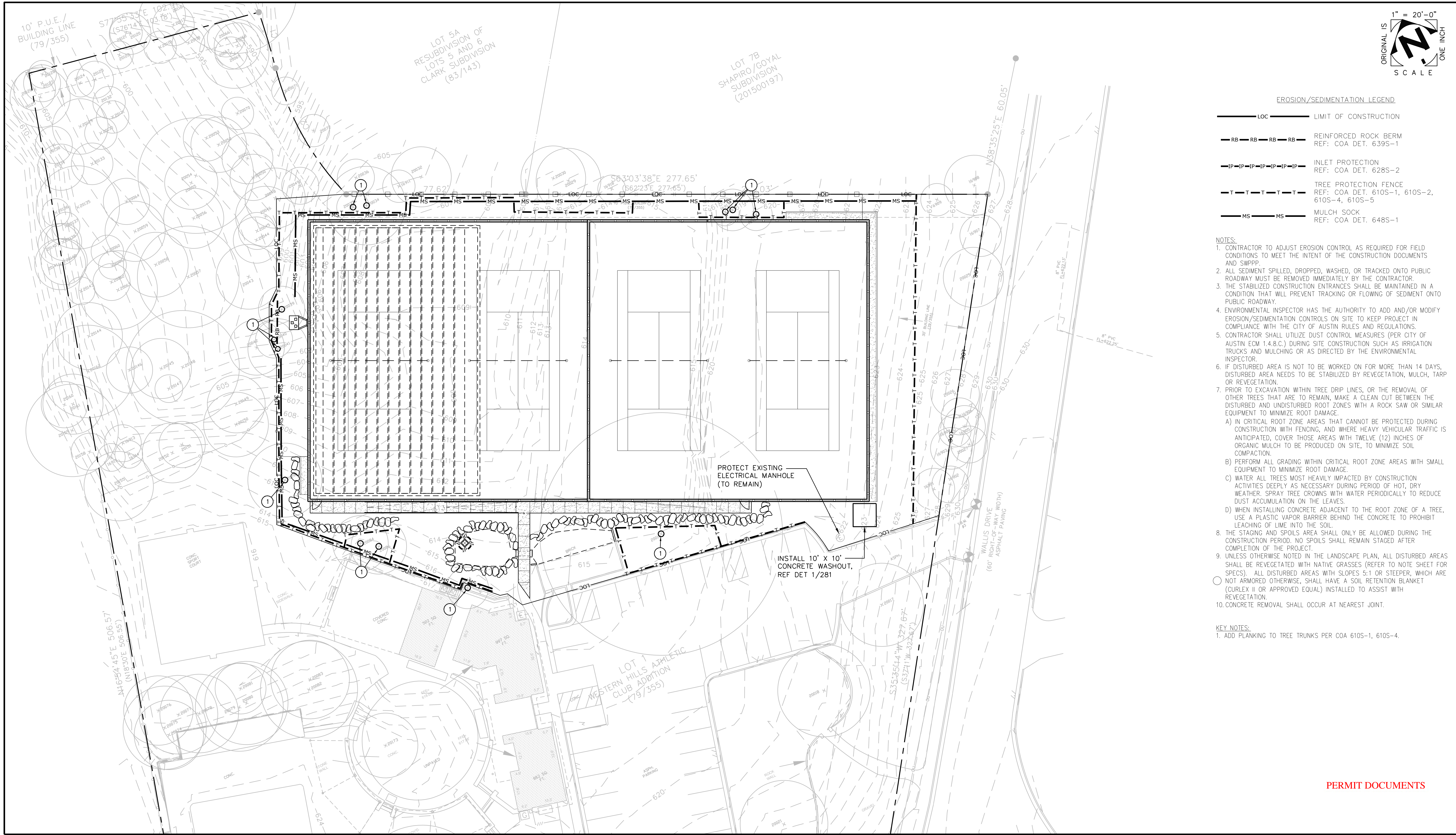
Western Hills Athletic Club
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PLOTTED: 7/7/2020
JOB NO: 863-01

201

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EROSION/SEDIMENTATION LEGEND

- LOC** ———— **LIMIT OF CONSTRUCTION**
- RB** ———— **REINFORCED ROCK BERM**
REF: COA DET. 639S-1
- IP** ———— **INLET PROTECTION**
REF: COA DET. 628S-2
- T** ———— **TREE PROTECTION FENCE**
REF: COA DET. 610S-1, 610S-2, 610S-4, 610S-5
- MS** ———— **MULCH SOCK**
REF: COA DET. 648S-1

- NOTES:**
1. CONTRACTOR TO ADJUST EROSION CONTROL AS REQUIRED FOR FIELD CONDITIONS TO MEET THE INTENT OF THE CONSTRUCTION DOCUMENTS AND SWPPP.
 2. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
 3. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY.
 4. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS.
 5. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES (PER CITY OF AUSTIN ECM 1.4.8.C) DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 6. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION.
 7. PRIOR TO EXCAVATION WITHIN TREE DRIP LINES, OR THE REMOVAL OF OTHER TREES THAT ARE TO REMAIN, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE ROOT DAMAGE.
 - A) IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION WITH FENCING, AND WHERE HEAVY VEHICULAR TRAFFIC IS ANTICIPATED, COVER THOSE AREAS WITH TWELVE (12) INCHES OF ORGANIC MULCH TO BE PRODUCED ON SITE, TO MINIMIZE SOIL COMPACTION.
 - B) PERFORM ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
 - C) WATER ALL TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES DEEPLY AS NECESSARY DURING PERIOD OF HOT, DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
 - D) WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.
 8. THE STAGING AND SPOILS AREA SHALL ONLY BE ALLOWED DURING THE CONSTRUCTION PERIOD. NO SPOILS SHALL REMAIN STAGED AFTER COMPLETION OF THE PROJECT.
 9. UNLESS OTHERWISE NOTED IN THE LANDSCAPE PLAN, ALL DISTURBED AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES (REFER TO SHEET FOR SPECS). ALL DISTURBED AREAS WITH SLOPES 5:1 OR STEEPER, WHICH ARE NOT ARMORED OTHERWISE, SHALL HAVE A SOIL RETENTION BLANKET (CURLX II OR APPROVED EQUAL) INSTALLED TO ASSIST WITH REVEGETATION.
 10. CONCRETE REMOVAL SHALL OCCUR AT NEAREST JOINT.

- KEY NOTES:**
1. ADD PLANKING TO TREE TRUNKS PER COA 610S-1, 610S-4.

PERMIT DOCUMENTS

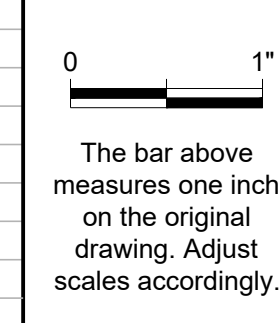


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TBEF FIRM REGISTRATION NO.: F-14116
TBPLS FIRM REGISTRATION NO.: 10065600

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EROSION/SEDIMENTATION CONTROL & TREE PROTECTION PLAN

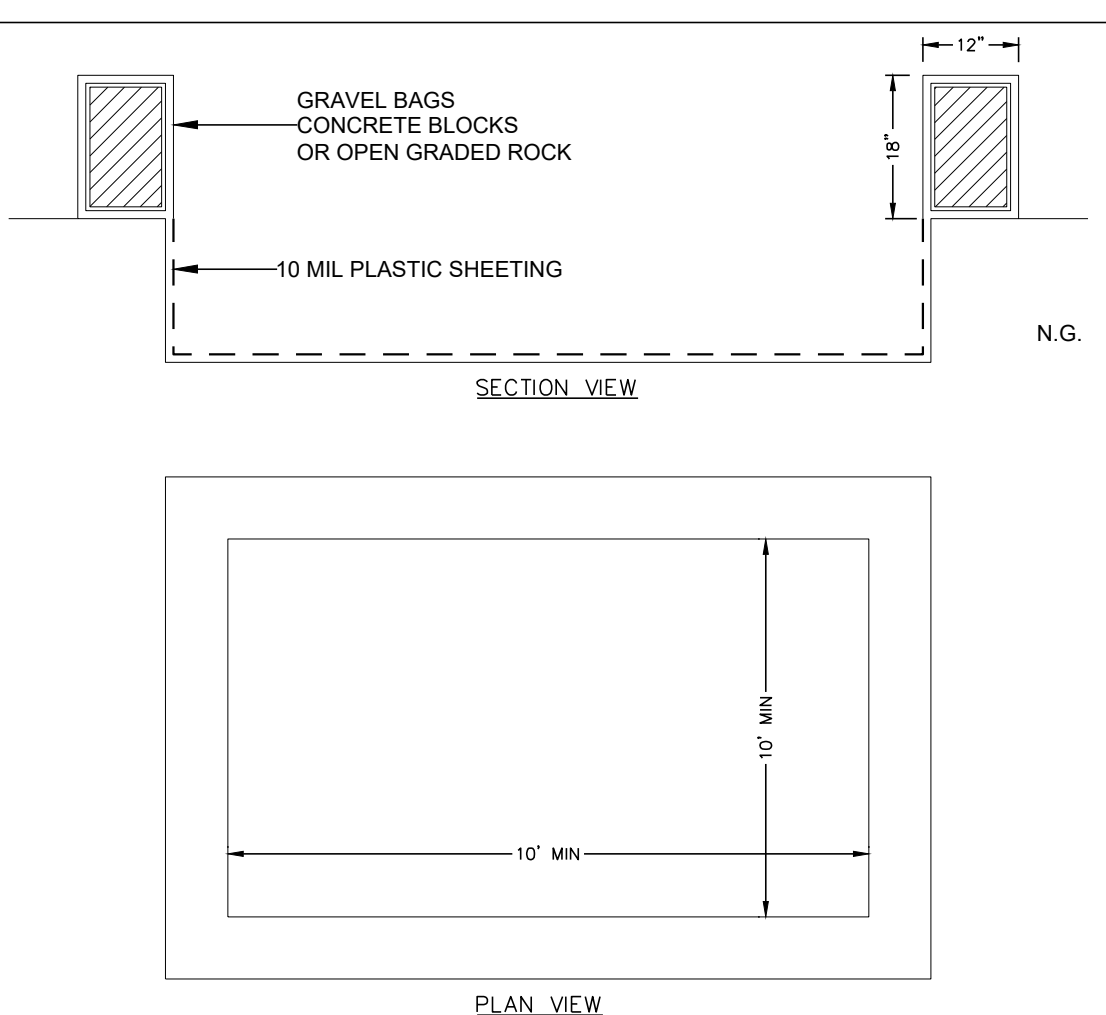
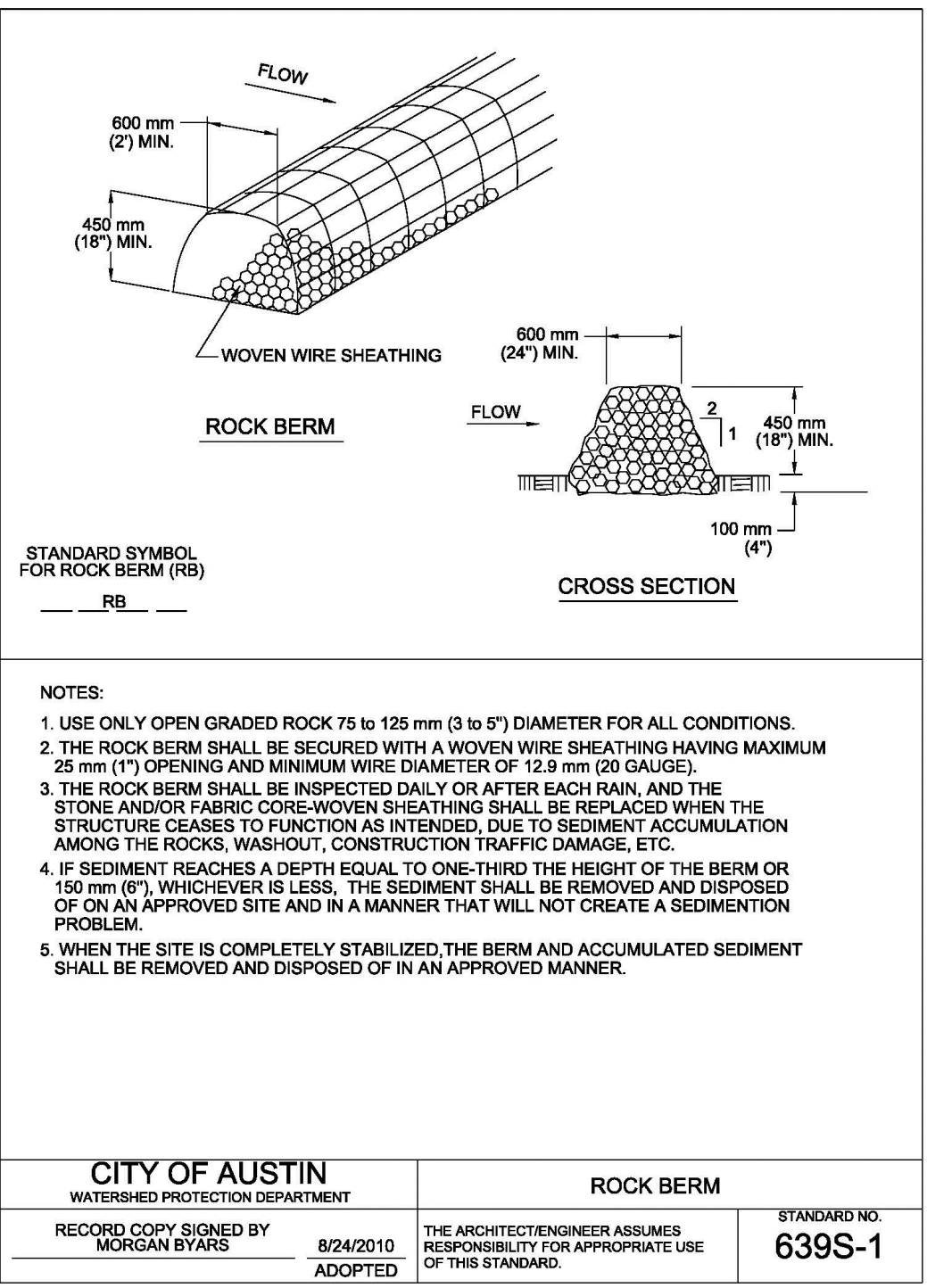
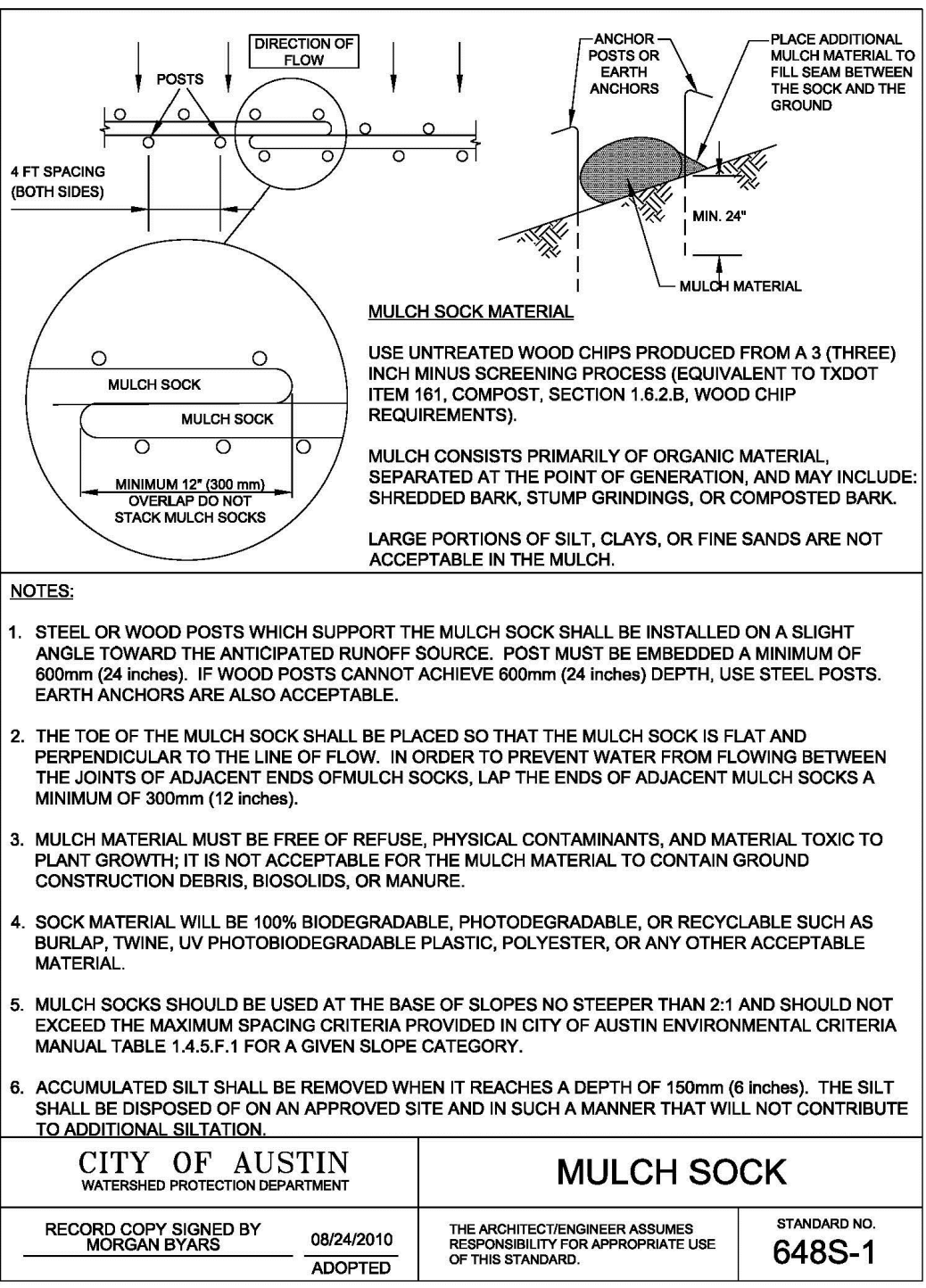
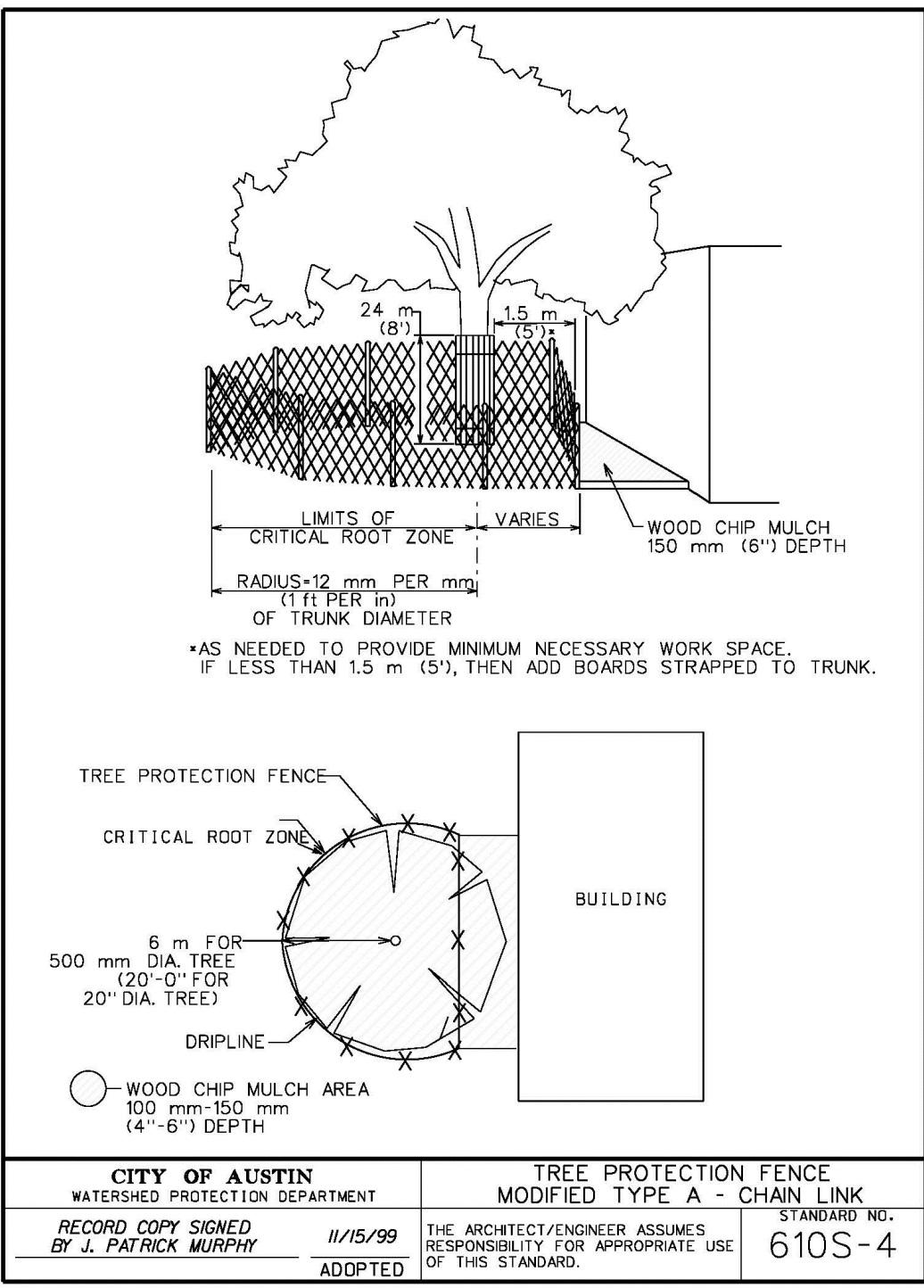
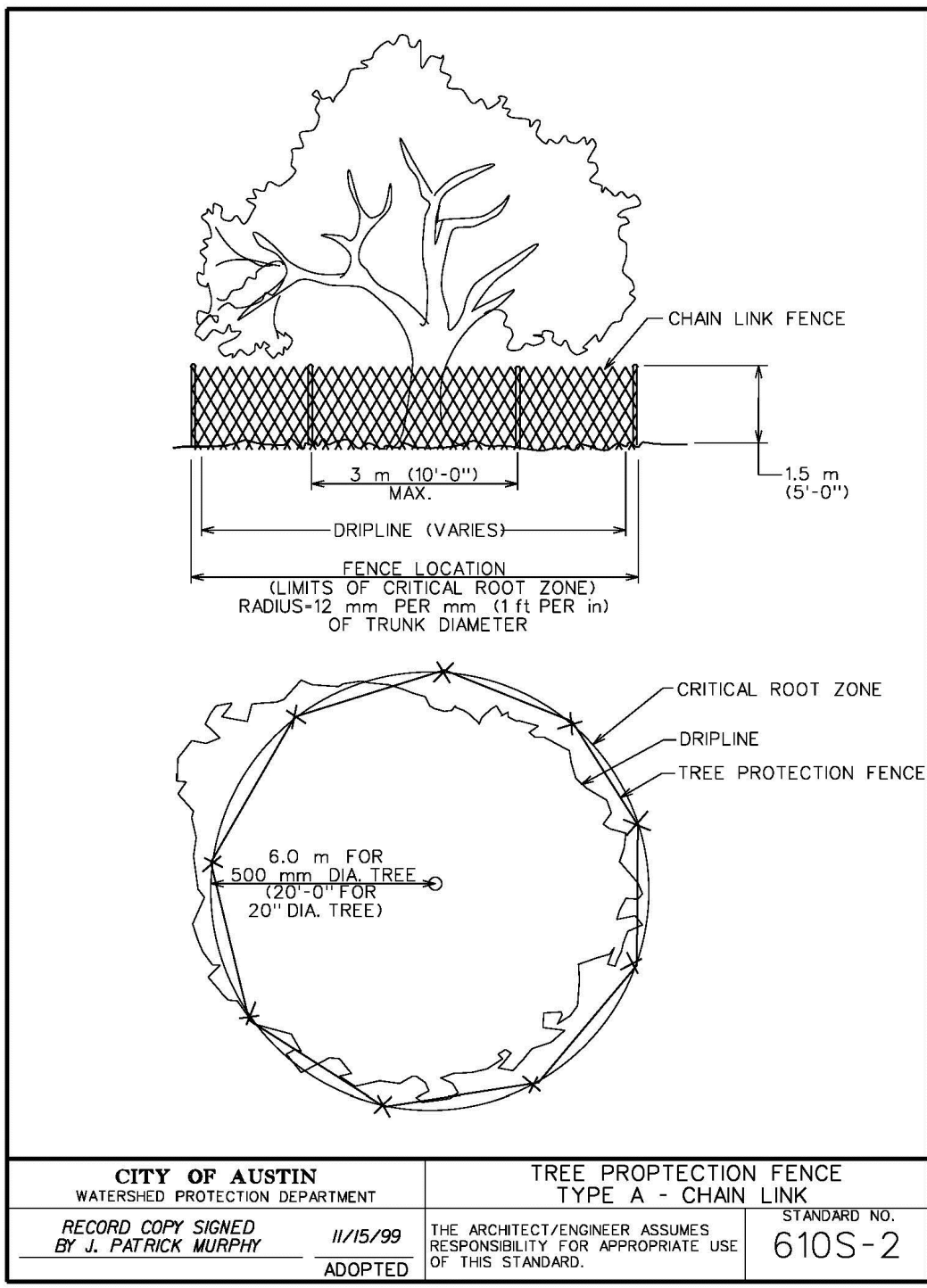
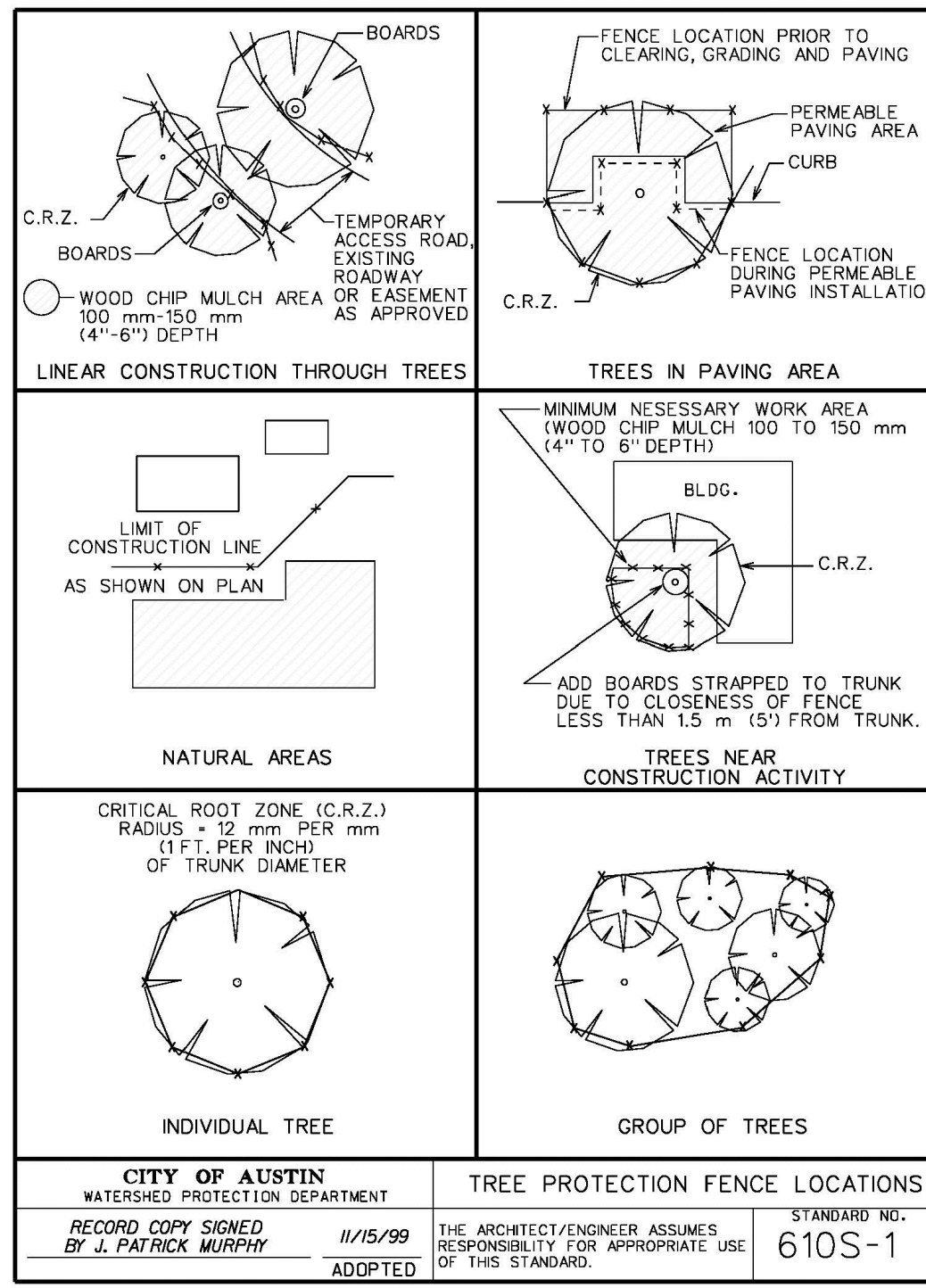
Western Hills Athletic Club
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Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

231

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File: Y:\863-01_WHL_Athletic_Club\CAD\Sheets\231 E-S Control & TP.dwg 22x34



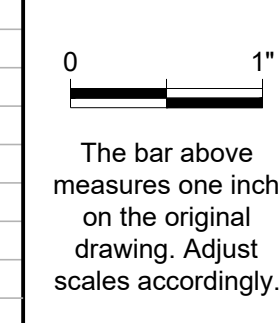
1. THE EXCAVATION FOR THE CONCRETE TRUCK WASHOUT SHALL BE A MINIMUM OF 10 FEET WIDE AND OF SUFFICIENT LENGTH AND DEPTH TO ACCOMMODATE 7 GALLONS OF WASHOUT WATER AND CONCRETE PER TRUCK PER DAY AND/OR 50 GALLONS OF WASHOUT WATER AND CONCRETE PER PUMP TRUCK PER DAY.
2. IN THE EVENT THAT THE CONCRETE TRUCK WASHOUT IS CONSTRUCTED ABOVE GROUND, IT SHALL BE 10 FEET WIDE AND 10 FEET LONG WITH THE SAME REQUIREMENTS FOR CONTAINMENT AS DESCRIBED IN ITEM 1.
3. THE CONTAINMENT AREA SHALL BE LINED WITH 10 MIL PLASTIC SHEETING WITHOUT HOLES OR TEARS, WHERE THERE ARE SEAMS, THESE SHALL BE SECURED ACCORDING TO MANUFACTURERS DIRECTIONS.
4. THE BERM CONSISTING OF GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK SHALL BE NO LESS THAN 18 INCHES HIGH AND NO LESS THAN 12 INCHES WIDE.
5. THE PLASTIC SHEETING SHALL BE OF SUFFICIENT SIZE SO THAT IT WILL OVERLAP THE TOP OF THE CONTAINMENT AREA AND BE WRAPPED AROUND THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK AT LEAST 2 TIMES.
6. THE GRAVEL BAGS OR CONCRETE BLOCKS SHALL BE PLACED ABUTTING EACH OTHER TO FORM A CONTINUOUS BERM AROUND THE OUTER PERIMETER OF THE CONTAINMENT AREA.
7. THE WASHOUT MATERIAL IN THE CONTAINMENT AREA SHALL NOT EXCEED 50% OF CAPACITY AT ANY ONE TIME.
8. SOLIDS SHALL BE REMOVED FROM CONTAINMENT AREA AND DISPOSED OF PROPERLY, ANY DAMAGE TO THE PLASTIC SHEETING SHALL BE REPAIRED OR SHEETING REPLACED BEFORE THE NEXT USE.

1 10' x 10' CONCRETE WASHOUT
281 SCALE: NTS

PERMIT DOCUMENTS



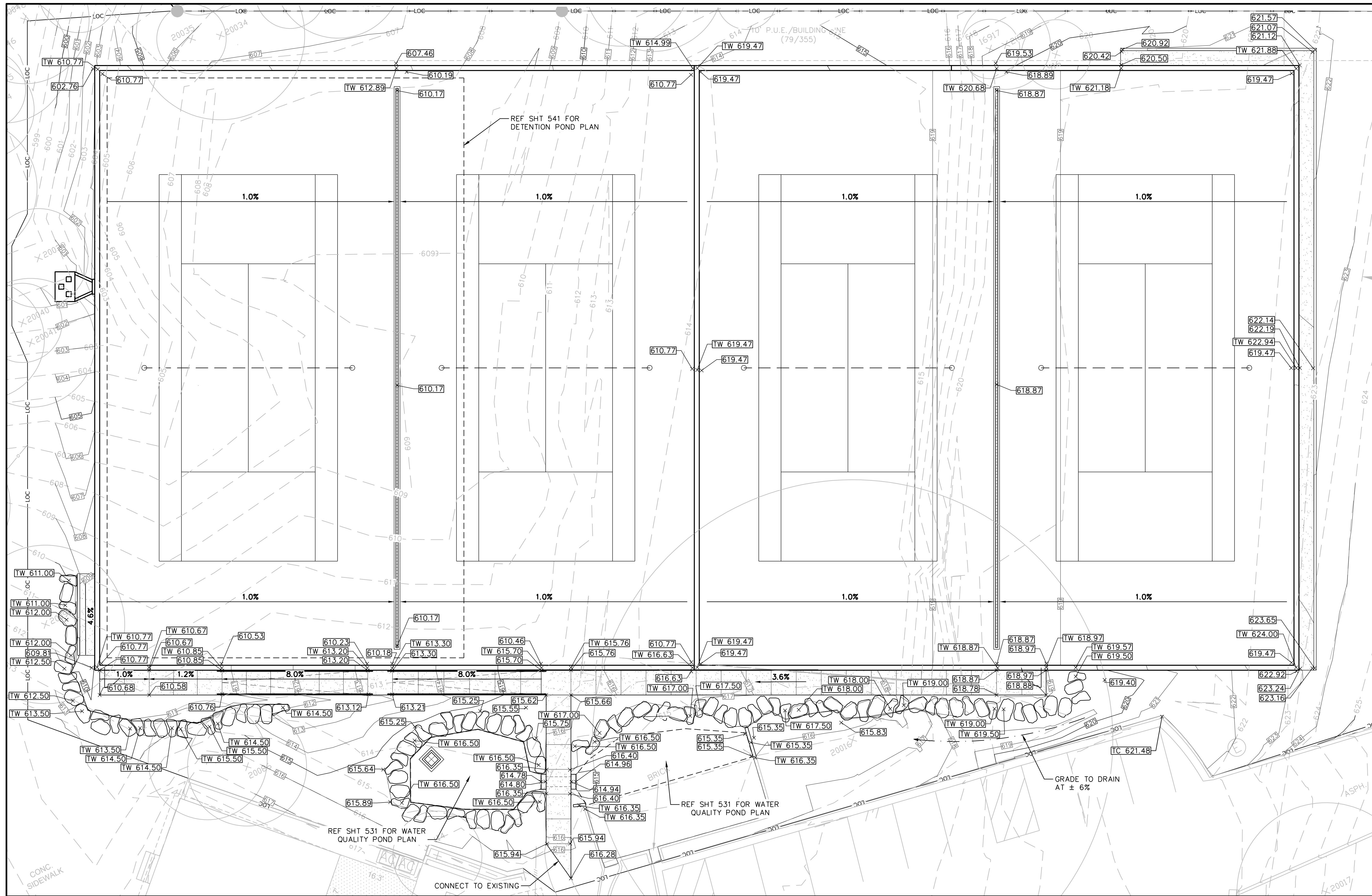
NO.	DATE	DESCRIPTION	BY



EROSION / SEDIMENTATION CONTROL & TREE PROTECTION DETAILS

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01
281
9 OF 26

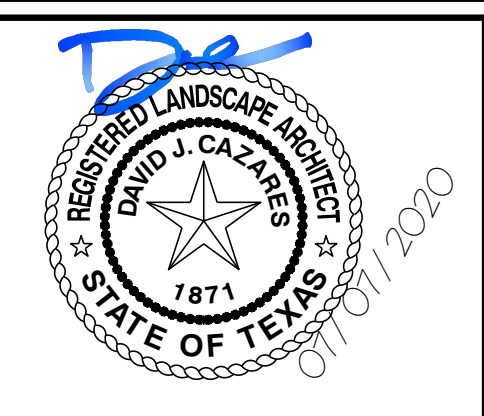


- GRADING LEGEND**
- PROP. CONTOUR
 - ADA ROUTE
 - EXISTING SPOT ELEVATION
 - SPOT ELEVATION
 - TOP OF WALL ELEVATION

- NOTES:**
1. NEW PAVEMENT SHALL ALIGN WITH EXISTING PAVEMENT, VERTICALLY AND HORIZONTALLY. PONDING AT JOINTS IS NOT ACCEPTABLE.
 2. ALL ACCESSIBLE PARKING SPACES, ROUTES, CURB RAMPS, SIGNAGE, ETC. SHALL FULLY COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE TEXAS ACCESSIBILITY STANDARDS AND ADA.
 3. REFER TO EXISTING SURVEY FOR HORIZONTAL & VERTICAL CONTROL.
 4. ELEVATIONS SHOWN ARE TO TOP OF SURFACE. CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING SUBGRADE ELEVATIONS FOR PAVEMENT AND LANDSCAPE AREAS.
 5. ALL SIDEWALKS SHALL NOT EXCEED MORE THAN 2% GROSS SLOPE (IN THE DIRECTION OF SURFACE DRAINAGE) OR 5% RUNNING SLOPE EXCEPT AS NOTED. RUNNING SLOPES MAY EXCEED 5% ADJACENT TO EXISTING STREETS UP TO THE SLOPE OF THE STREET.
 6. FFE OF EXISTING BUILDINGS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

These plans have been reviewed by ATX Engineers, Inspectors and Surveyors for code compliance and adopted jurisdictional ordinances. This stamp of review in no way allocates the responsibility of the reviewer or contractor to comply with all codes, ordinances, State and Federal laws. Copy of plans bearing this stamp shall be available on the jobsite at all times.

[Signature]

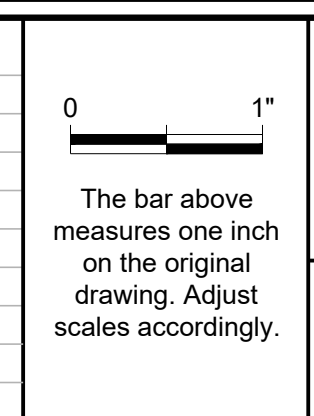


mwm Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TSPRE FIRM REGISTRATION NO.: F-14116
TBLPS FIRM REGISTRATION NO.: 10065000

NO.	DATE	DESCRIPTION	BY



GRADING PLAN

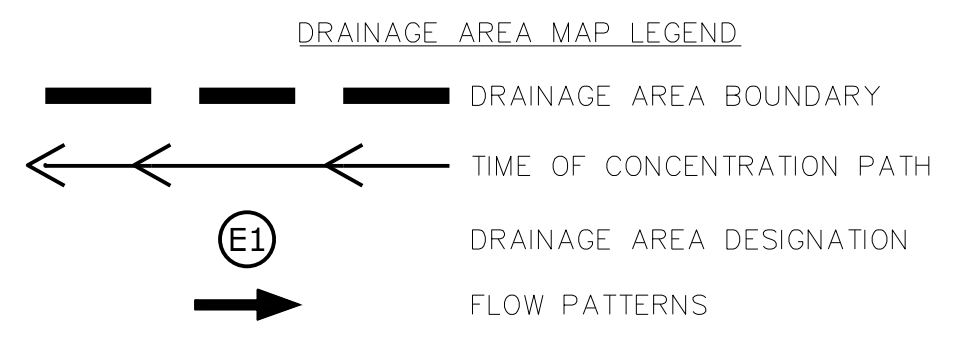
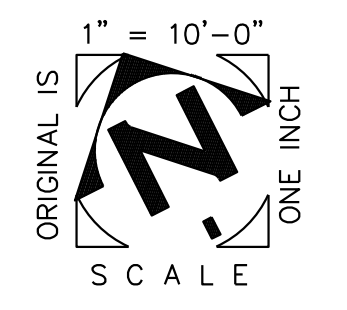
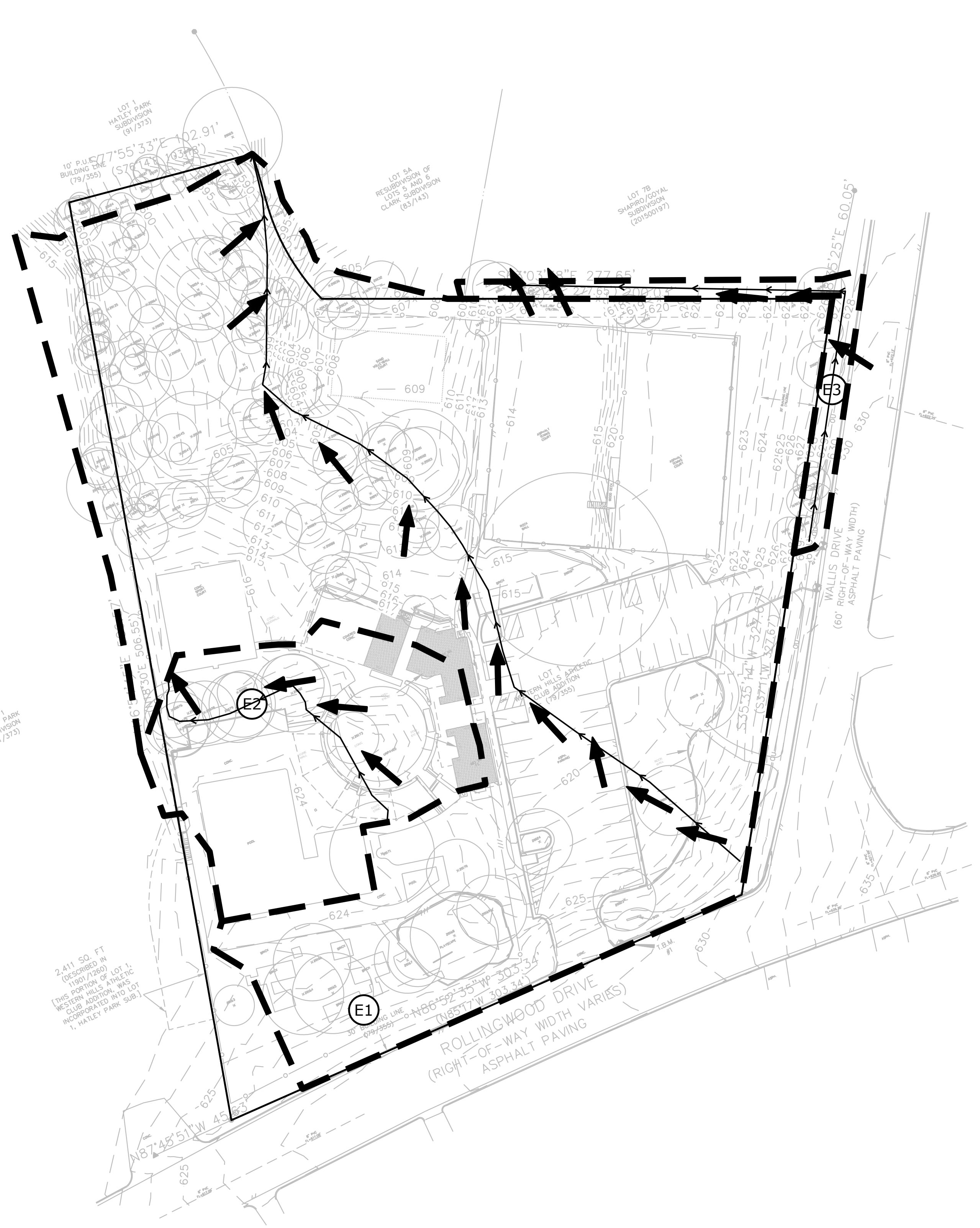
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

301

10 OF 26

File: Y:\863-01_WHL_Athletic_Club\CAD\Sheets\301_Grading_Plan.dwg 22-34



PERMIT DOCUMENTS

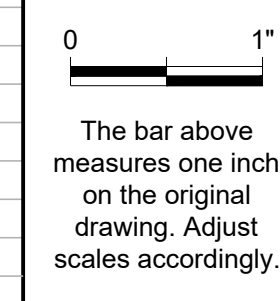


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Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-14116
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



EXISTING DRAINAGE AREA MAP

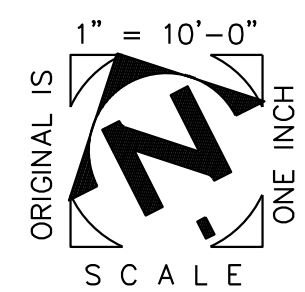
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

501

11 OF 26

File: Y:\863-01_WHP_Athletic_Club\CAD\Sheets\501_Existing_DAM.dwg 22x34



COVER TYPE	HYDROLOGIC CONDITION	CURVE NUMBERS FOR HYDROLOGIC SOIL GROUP				DRAINAGE AREA			COMPOSITE CURVE NUMBER		
		A	B	C	D	1	2	3	1	2	3
Fully developed urban areas (vegetation established)									0	0	0
Open space (lawns, parks, golf courses, cemeteries, etc.)									0	0	0
Poor condition (grass cover 50%)		68	79	86	89				0	0	0
Fair condition (grass cover 50% to 75%)		49	69	79	84				0	0	0
Good condition (grass cover 75%)		39	61	74	80	70853.43	11579.51	4361.65	5668274.4	926360.8	348932
Impervious areas:									0	0	0
Paved parking lots, roofs, driveways, etc. (excluding right of way)		98	98	98	98	44958.42	8107.42	0.00	4405925.16	794527.16	0
Streets and roads:									0	0	0
Paved; curbs and storm drains (excluding right of way)		98	98	98	98				0	0	0
Paved; open ditches (including right of way)		83	89	92	93				0	0	0
Gravel (including right of way)		76	85	89	91				0	0	0
Dirt (including right of way)		72	82	87	89				0	0	0
Developing urban area									0	0	0
Newly graded areas (pervious areas only, no vegetation)		77	86	91	94				0	0	0
Agricultural lands									0	0	0
Grassland, or range-continuous forage for grazing	Poor	68	79	86	89				0	0	0
	Fair	49	69	79	84				0	0	0
	Good	39	61	74	80				0	0	0
Meadow-continuous grass, protected from grazing and generally mowed for hay		30	58	71	78				0	0	0
Brush - brush-weed-grass mixture with brush the major element	Poor	48	67	77	83				0	0	0
	Fair	35	56	70	77				0	0	0
	Good	30	48	65	73				0	0	0
Woods - grass combination (orchard or tree farm)	Poor	57	73	82	86				0	0	0
	Fair	43	65	76	79				0	0	0
	Good	32	58	72	79				0	0	0
Woods - grass combination (orchard or tree farm)	Poor	45	66	77	83				0	0	0
	Fair	36	60	73	79				0	0	0
	Good	30	55	70	77				0	0	0
Farmstead - buildings, lanes, driveways and surrounding lots		59	74	82	86				0	0	0
						SF	115811.85	19686.93	4361.65	87	87
						AC	2.66	0.45	0.10		
						SM	0.004154171	0.00070617	0.000156452		
						% Imp	39%	41%	0%		

E1	
Start Station	0.00 ft
End Station	85.00 ft
Length (L)	85 ft
Manning's n	0.15
2-year 24-hour rain	3.44 inches
Start Elev	629.88 ft
End Elev	620.21 ft
Slope (S)	0.114 ft/ft
T _t	4 minutes
Sheet Flow	
Start Station	85.00 ft
End Station	505.00 ft
Length	420 ft
Start Elev	620.21 ft
End Elev	586.05 ft
Slope (S)	0.081 ft/ft
Surface	UnPaved
T _t	2 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	0.25 sf
Wetted Perimeter (P)	2.00 ft
Hydraulic Radius (r)	0.125 ft
Start Elev	586.05 ft
End Elev	586.05 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	0.00 ft
T _t	0.00 minutes
Channel or Storm Drain Flow	

E2	
Start Station	0.00 ft
End Station	100.00 ft
Length (L)	100 ft
Manning's n	0.15
2-year 24-hour rain	3.44 inches
Start Elev	623.981 ft
End Elev	618.12 ft
Slope (S)	0.059 ft/ft
T _t	6 minutes
Sheet Flow	
Start Station	100.00 ft
End Station	184.00 ft
Length	84 ft
Start Elev	618.12 ft
End Elev	616.38 ft
Slope (S)	0.021 ft/ft
Surface	Paved
T _t	0.5 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	4.91 sf
Wetted Perimeter (P)	7.85 ft
Hydraulic Radius (r)	0.625 ft
Start Elev	616.382 ft
End Elev	586.362 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	ft
T _t	0.00 minutes
Channel or Storm Drain Flow	

E3	
Start Station	0.00 ft
End Station	100.00 ft
Length (L)	100 ft
Manning's n	0.24
2-year 24-hour rain	3.44 inches
Start Elev	629.896 ft
End Elev	628.13 ft
Slope (S)	0.018 ft/ft
T _t	14 minutes
Sheet Flow	
Start Station	100.00 ft
End Station	322.65 ft
Length	223 ft
Start Elev	628.13 ft
End Elev	611.19 ft
Slope (S)	0.076 ft/ft
Surface	Unpaved
T _t	1 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	4.91 sf
Wetted Perimeter (P)	7.85 ft
Hydraulic Radius (r)	0.625 ft
Start Elev	611.192 ft
End Elev	586.362 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	ft
T _t	0.00 minutes
Channel or Storm Drain Flow	

Time of Concentration	6	0.09534
Lag Time	3	

Time of Concentration	6.5	0.108982
Lag Time	4	

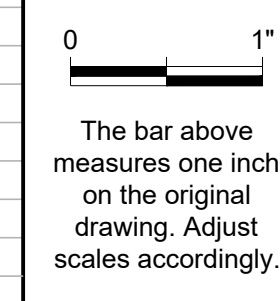
Time of Concentration	15	0.254832
Lag Time	9	

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 305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734
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 TBE FIRM REGISTRATION NO.: F-1416
 TPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



EXISTING DRAINAGE AREA CALCULATIONS

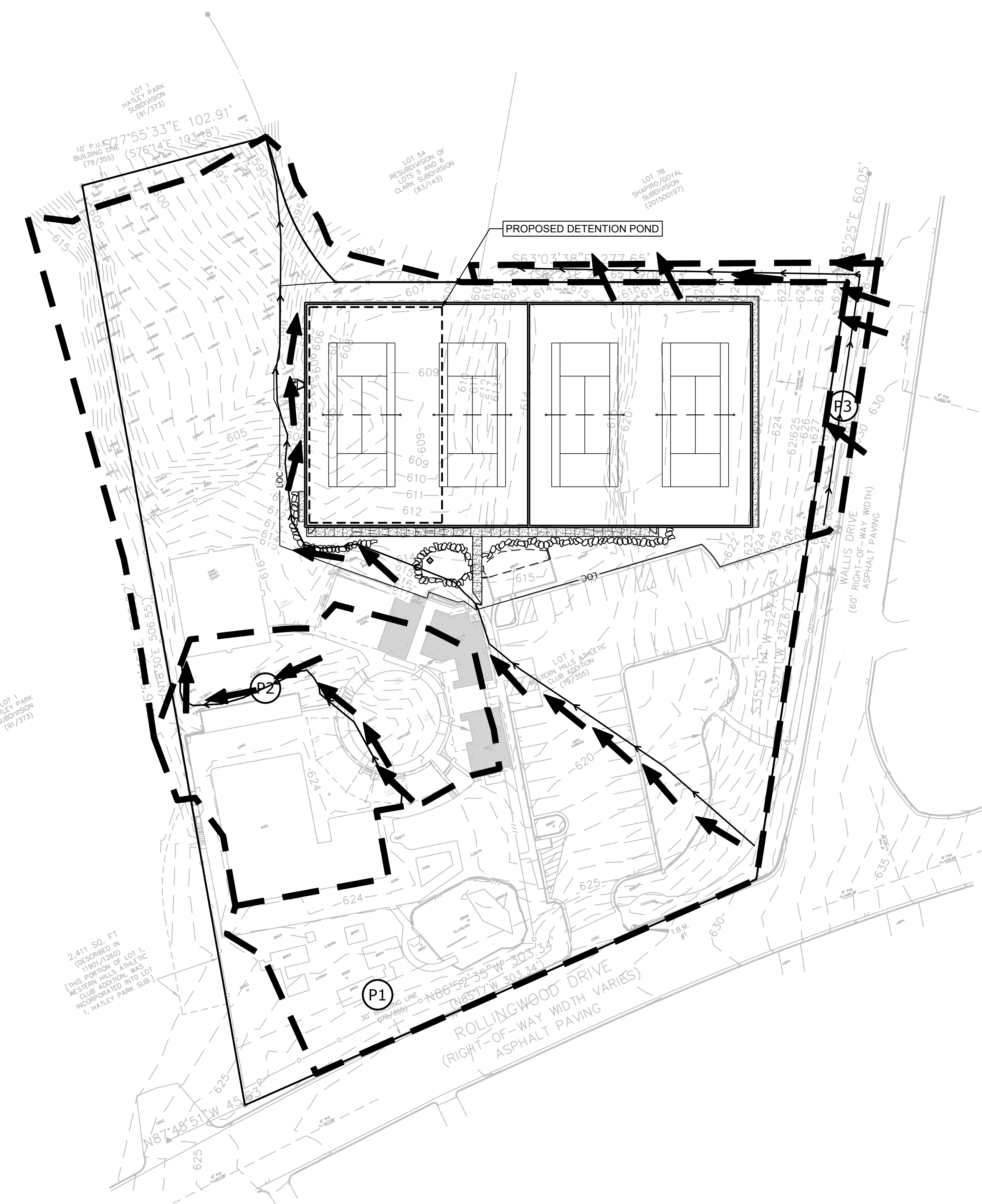
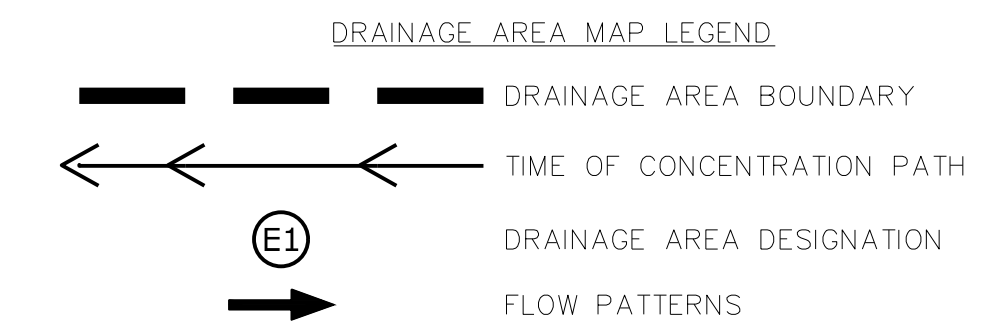
Western Hills Athletic Club
 4801 Rollingwood Drive
 Austin, TX 78746

PLOTTED: 7/7/2020
 JOB NO: 863-01

502

 12 OF 26

ORIGINAL IS
 1" = 10'-0"
 ONE INCH
 SCALE



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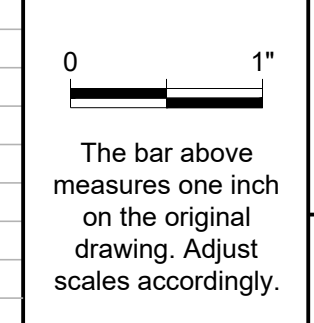


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305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
 TBPE FIRM REGISTRATION NO.: F-14116
 TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



PROPOSED DRAINAGE AREA MAP

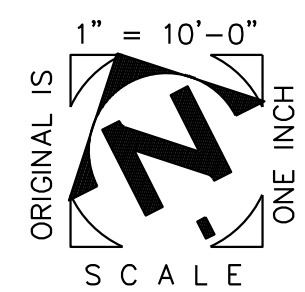
Western Hills Athletic Club
 4801 Rollingwood Drive
 Austin, TX 78746

PLOTTED: 7/7/2020
 JOB NO: 863-01

503

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File: Y:\863-01_WH_Athletic_Club\CAD\Sheets\503_Proposed DAM.dwg 22x34



P1	
Start Station	0.00 ft
End Station	85.00 ft
Length (L)	85 ft
Manning's n	0.15
2-year 24-hour rain	3.44 inches
Start Elev	629.88 ft
End Elev	620.24 ft
Slope (S)	0.113 ft/ft
T _t	4 minutes
Sheet Flow	
Start Station	85.00 ft
End Station	616.00 ft
Length	531 ft
Start Elev	620.24 ft
End Elev	586.40 ft
Slope (S)	0.064 ft/ft
Surface	Paved
T _t	2 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	0.25 sf
Wetted Perimeter (P)	2.00 ft
Hydraulic Radius (r)	0.125 ft
Start Elev	586.40 ft
End Elev	623.71 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	ft
T _t	0.00 minutes
Channel or Storm Drain Flow	
Time of Concentration	6 0.098812705
Lag Time	4

P2	
Start Station	0 ft
End Station	100 ft
Length (L)	100 ft
Manning's n	0.15
2-year 24-hour rain	3.44 inches
Start Elev	623.98 ft
End Elev	618.12 ft
Slope (S)	0.059 ft/ft
T _t	6 minutes
Sheet Flow	
Start Station	100 ft
End Station	184 ft
Length	84 ft
Start Elev	618.12 ft
End Elev	616.38 ft
Slope (S)	0.021 ft/ft
Surface	Unpaved
T _t	1 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	1.7671459 sf
Wetted Perimeter (P)	4.712389 ft
Hydraulic Radius (r)	0.375 ft
Start Elev	616.38 ft
End Elev	687.926 ft
Slope (S)	0.02 ft/ft
Manning's n	0.013
Velocity (V)	8.43 fps
Start Station	ft
End Station	ft
Length (L)	ft
T _t	0.00 minutes
Channel or Storm Drain Flow	
Time of Concentration	7 0.11104
Lag Time	4

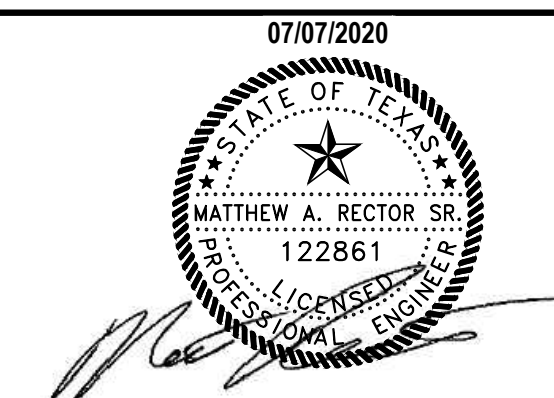
P3	
Start Station	0.00 ft
End Station	100.00 ft
Length (L)	100 ft
Manning's n	0.24
2-year 24-hour rain	3.44 inches
Start Elev	629.896 ft
End Elev	628.13 ft
Slope (S)	0.018 ft/ft
T _t	14 minutes
Sheet Flow	
Start Station	100.00 ft
End Station	322.65 ft
Length	223 ft
Start Elev	628.13 ft
End Elev	611.19 ft
Slope (S)	0.076 ft/ft
Surface	Unpaved
T _t	1 minutes
Shallow Concentrated Flow	
Cross Sectional Area (A)	4.91 sf
Wetted Perimeter (P)	7.85 ft
Hydraulic Radius (r)	0.625 ft
Start Elev	611.192 ft
End Elev	586.362 ft
Slope (S)	0.00 ft/ft
Manning's n	0.013
Velocity (V)	0.00 fps
Start Station	ft
End Station	ft
Length (L)	ft
T _t	0.00 minutes
Channel or Storm Drain Flow	
Time of Concentration	15 0.2548
Lag Time	9

RUNOFF SUMMARY HMS						
Point of Analysis	Storm Event	Existing Flow (cfs)	Proposed Without Detention	Proposed flow with detention	Net Change W/O Detention (cfs) (Proposed-Exist)	NetChange W/ Detention (cfs) (Propose-Exist)
E1/P1	2 Year	6.4	6.6	2.8	0.2	-3.6
E1/P1	5 Year	9.9	10	5.4	0.1	-4.5
E1/P1	10 Year	12.4	12.5	6.6	0.1	-5.8
E1/P1	25 Year	15.9	15.8	8.1	-0.1	-7.8
E1/P1	50 Year	18.7	18.5	9.2	-0.2	-9.5
E1/P1	100 Year	21.7	21.4	10.2	-0.3	-11.5
E1/P1	250 Year	25.7	25.3	11.5	-0.4	-14.2
E1/P1	500 Year	29	28.5	13.7	-0.5	-15.3
E2/P2	2 Year	1.1	1.1	0	0	-1.1
E2/P2	5 Year	1.6	1.6	0	0	-1.6
E2/P2	10 Year	2.1	2.1	0	0	-2.1
E2/P2	25 Year	2.6	2.6	0	0	-2.6
E2/P2	50 Year	3.1	3.1	0	0	-3.1
E2/P2	100 Year	3.6	3.6	0	0	-3.6
E2/P2	250 Year	4.3	4.3	0	0	-4.3
E2/P2	500 Year	4.8	4.8	0	0	-4.8
E3/P3	2 Year	0.1	0.1	0	0	-0.1
E3/P3	5 Year	0.2	0.2	0	0	-0.2
E3/P3	10 Year	0.3	0.3	0	0	-0.3
E3/P3	25 Year	0.4	0.4	0	0	-0.4
E3/P3	50 Year	0.5	0.5	0	0	-0.5
E3/P3	100 Year	0.6	0.6	0	0	-0.6
E3/P3	250 Year	0.7	0.7	0	0	-0.7
E3/P3	500 Year	0.8	0.8	0	0	-0.8

For both proposed and existing conditions, drainage area 2 and 3 do not flow through the project area. Hence the flow is considered as an offsite flow for this project.

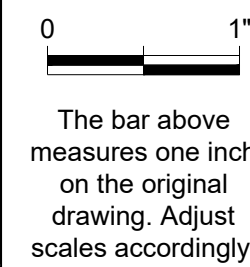
COVER TYPE	HYDROLOGIC CONDITION	CURVE NUMBERS FOR HYDROLOGIC SOIL GROUP				DRAINAGE AREA			COMPOSITE CURVE NUMBER		
		A	B	C	D	P1	P2	P3	P1	P2	P3
Fully developed urban areas (vegetation established)									0	0	0
Open space (lawns, parks, golf courses, cemeteries, etc.)									0	0	0
Poor condition (grass cover 50%)		68	79	86	89				0	0	0
Fair condition (grass cover 50% to 75%)		49	69	79	84				0	0	0
Good condition (grass cover 75%)		39	61	74	80	55733.08	11579.53	4361.65	4458646.4	926362.4	348932
Impervious areas:									0	0	0
Paved parking lots, roofs, driveways, etc. (excluding right of way)		98	98	98	98	60078.72	8107.45	0.00	5887714.6	794530.1	0
Streets and roads:									0	0	0
Paved; curbs and storm drains (excluding right of way)		98	98	98	98				0	0	0
Paved; open ditches (including right of way)		83	89	92	93				0	0	0
Gravel (including right of way)		76	85	89	91				0	0	0
Dirt (including right of way)		72	82	87	89				0	0	0
Developing urban area									0	0	0
Newly graded areas (pervious areas only, no vegetation)		77	86	91	94				0	0	0
Agricultural lands									0	0	0
Grassland, or range-continuous forage for grazing	Poor	68	79	86	89				0	0	0
	Fair	49	69	79	84				0	0	0
	Good	39	61	74	80				0	0	0
Meadow-continuous grass, protected from grazing and generally mowed for hay	Poor	30	58	71	78				0	0	0
	Fair	48	67	77	83				0	0	0
Brush - brush-weed-grass mixture with brush the major element	Fair	35	56	70	77				0	0	0
	Good	30	48	65	73				0	0	0
Woods - grass combination (orchard or tree farm)	Poor	57	73	82	86				0	0	0
	Fair	43	65	76	79				0	0	0
	Good	32	58	72	79				0	0	0
Woods - grass combination (orchard or tree farm)	Poor	45	66	77	83				0	0	0
	Fair	36	60	73	79				0	0	0
	Good	30	55	70	77				0	0	0
Farmstead - buildings, lanes, driveways and surrounding lots		59	74	82	86				0	0	0
									0	0	0
					SF	115811.8	19686.98	4361.65	89	87	80
					AC	2.66	0.45	0.10			
					SM	0.004154169	0.000706172	0.000156452			
					% Imp	52%	41%	0%			

PERMIT DOCUMENTS



305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TBE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



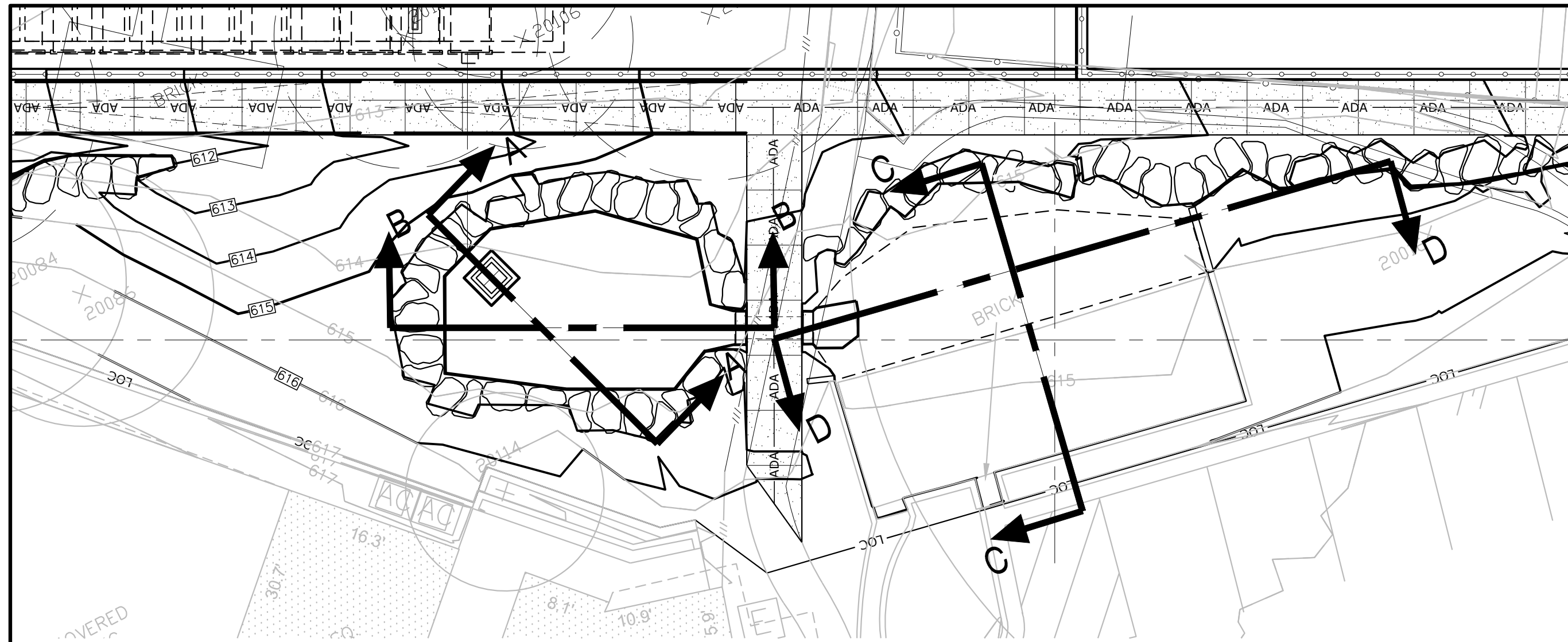
PROPOSED DRAINAGE AREA CALCULATIONS

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

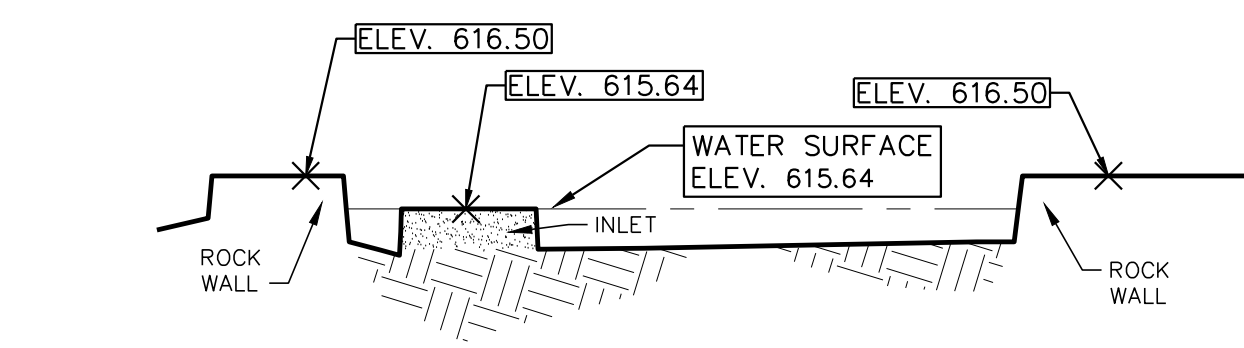
504

14 OF 26

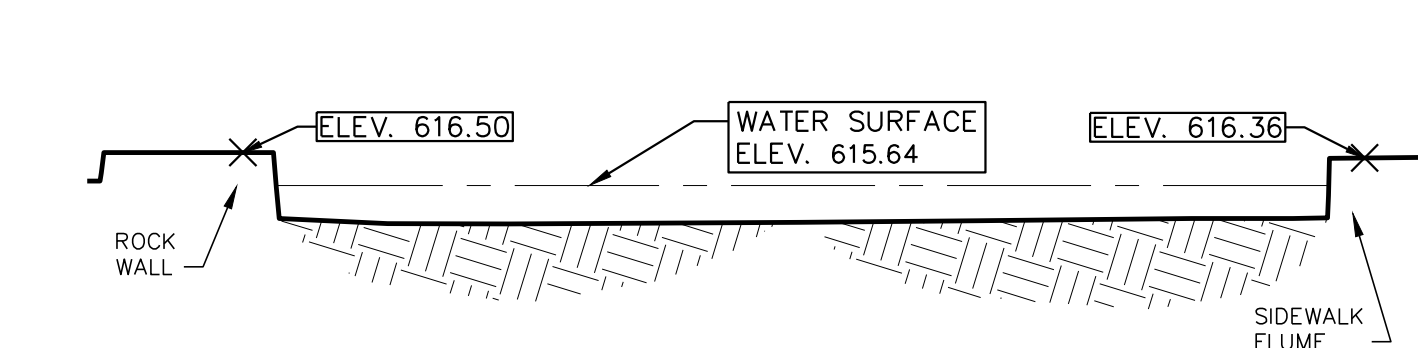


STAGE STORAGE TABLE

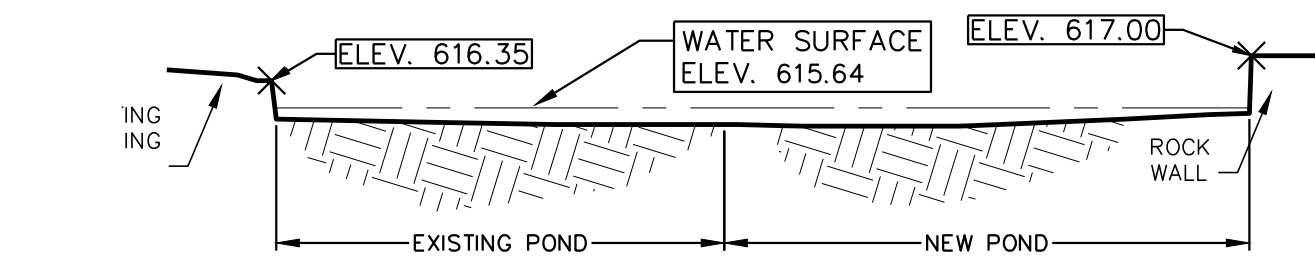
Elevation Area	Depth	Volume
615	341.3957	0
615.64		462.5
616	1109.3625	1 725.3791



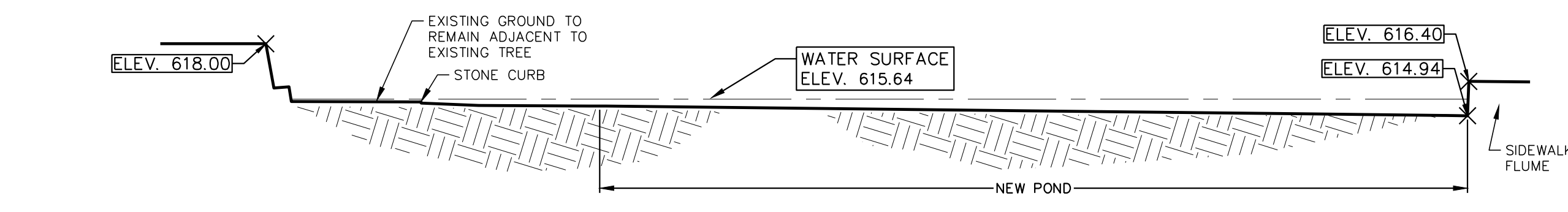
A POND - SECTION A
SCALE: 1" = 5'



B POND - SECTION B
SCALE: 1" = 5'



C POND - SECTION C
SCALE: 1" = 5'



D POND - SECTION D
SCALE: 1" = 5'

Texas Commission on Environmental Quality
TSS Removal Calculations 04-20-2009
 Project Name: **WESTERN HILLS ATHLETIC CENTER**
 Date Prepared: **2/24/2020**

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
 Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
 Characters shown in red are data entry fields.
 Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_d = 27.2(A_p \times P)$

where: L_d TOTAL PROJECT = Required TSS removal resulting from the proposed development = 80% of increased load
 A_p = Net increase in impervious area for the project
 P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project
 County = **Travis**
 Total project area included in plan = **3.21** acres
 Predevelopment impervious area within the limits of the plan = **1.22** acres
 Total post-development impervious area within the limits of the plan = **1.57** acres
 Total post-development impervious cover fraction = **0.49**
 P = **32** inches

L_d TOTAL PROJECT = **305** lbs.
 * The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = **1**

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = **1**
 Total drainage basin/outfall area = **2.66** acres
 Predevelopment impervious area within drainage basin/outfall area = **1.03** acres
 Post-development impervious area within drainage basin/outfall area = **1.38** acres
 Post-development impervious fraction within drainage basin/outfall area = **0.62**
 L_d THIS BASIN = **305** lbs.

3. Indicate the proposed BMP Code for this basin.
 Proposed BMP = **Bioretention**
 Removal efficiency = **89** percent

4. Calculate Maximum TSS Load Removed (L_d) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_d = (BMP \text{ efficiency}) \times P \times (A_i \times 34.6 + A_p \times 0.54)$

where:
 A_i = Total On-Site drainage area in the BMP catchment area
 A_p = Impervious area proposed in the BMP catchment area
 A_p = Pervious area remaining in the BMP catchment area
 L_d = TSS Load removed from this catchment area by the proposed BMP

A_i = **1.03** acres
 A_p = **0.60** acres
 A_p = **0.43** acres
 L_d = **598** lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired L_d THIS BASIN = **139** lbs.
 F = **0.23**

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth = **0.14** inches
 Post Development Runoff Coefficient = **0.41**
 On-site Water Quality Volume = **207** cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = **0.00** acres
 Off-site impervious cover draining to BMP = **0.00** acres
 Impervious fraction of off-site area = **0**
 Off-site Runoff Coefficient = **0.00**
 Off-site Water Quality Volume = **0** cubic feet

Storage for Sediment = **41**
Total Capture Volume (required water quality volume(s) x 1.20) = 248 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.
 The values for BMP Types not selected in cell C45 will show NA.

10. Bioretention System Designed as Required in RG-348 Pages 3-63 to 3-65

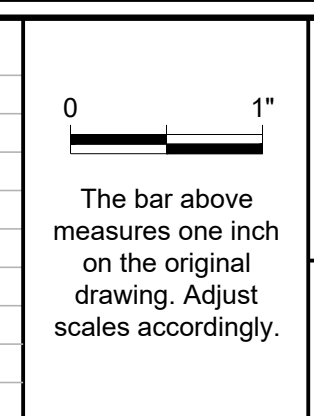
Required Water Quality Volume for Bioretention Basin = **248** cubic feet

PERMIT DOCUMENTS

07/07/2020
 STATE OF TEXAS
 MATTHEW A. RECTOR SR.
 122861
 PROFESSIONAL ENGINEER

mwm
 Design Group
 305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734
 TBAE FIRM REGISTRATION NO.: 1452
 TPRE FIRM REGISTRATION NO.: F-14316
 TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY

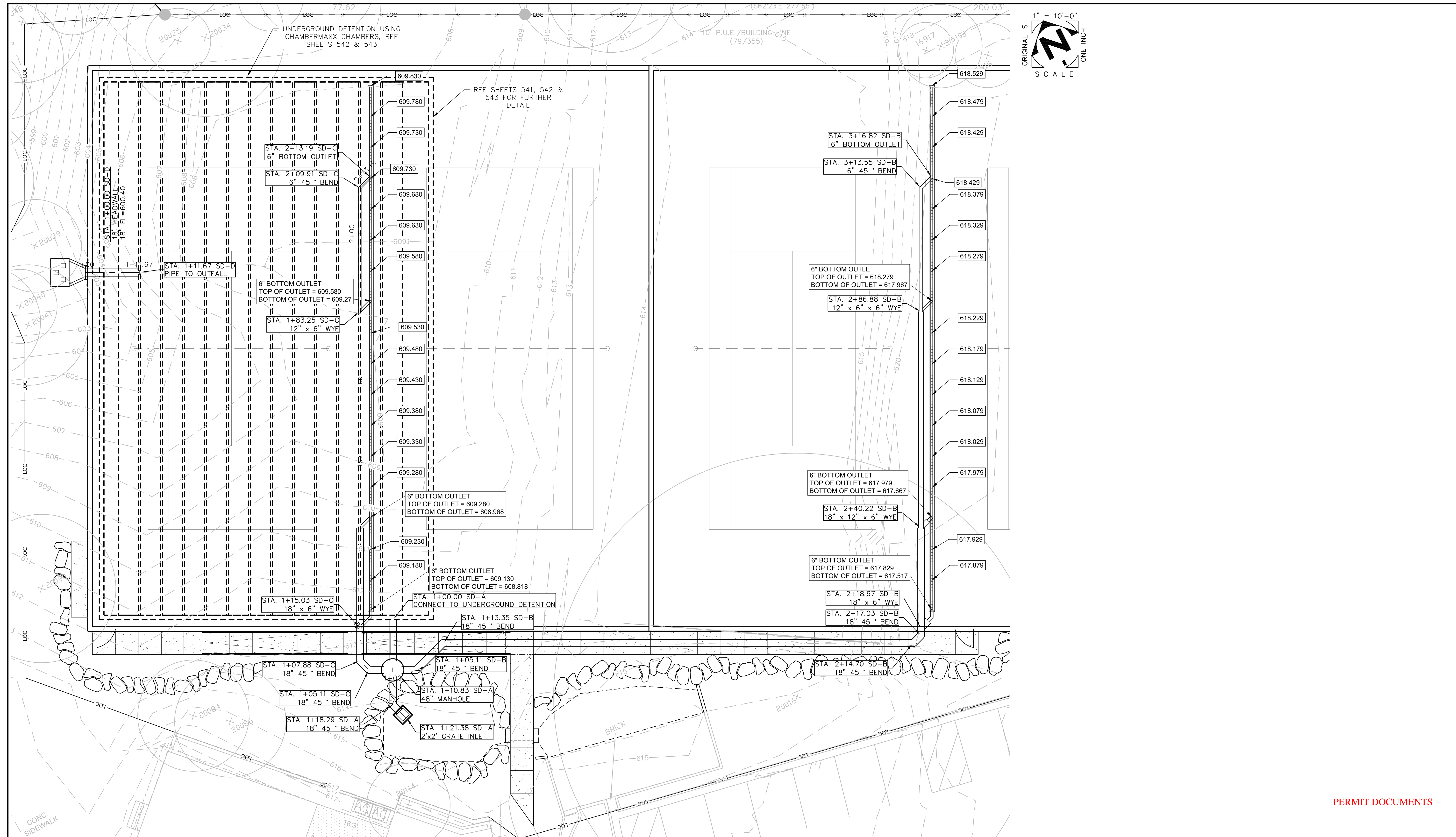


WATER QUALITY POND PLAN

Western Hills Athletic Club
 4801 Rollingwood Drive
 Austin, TX 78746

PLOTTED: 7/7/2020
 JOB NO: 863-01
531
 15 OF 26

File: Y:\B63-01_WHP_Athletic_Club\CAD\Sheets\531 Water Quality Pond Plan.dwg 2/24/20



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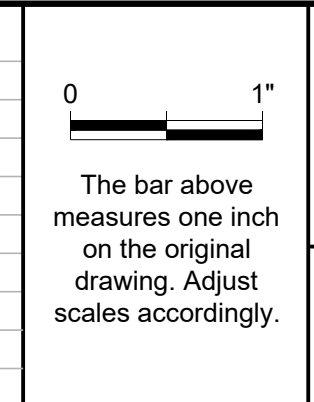


mwm
Design Group

305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

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TBE FIRM REGISTRATION NO.: F-1416
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DETENTION POND PLAN

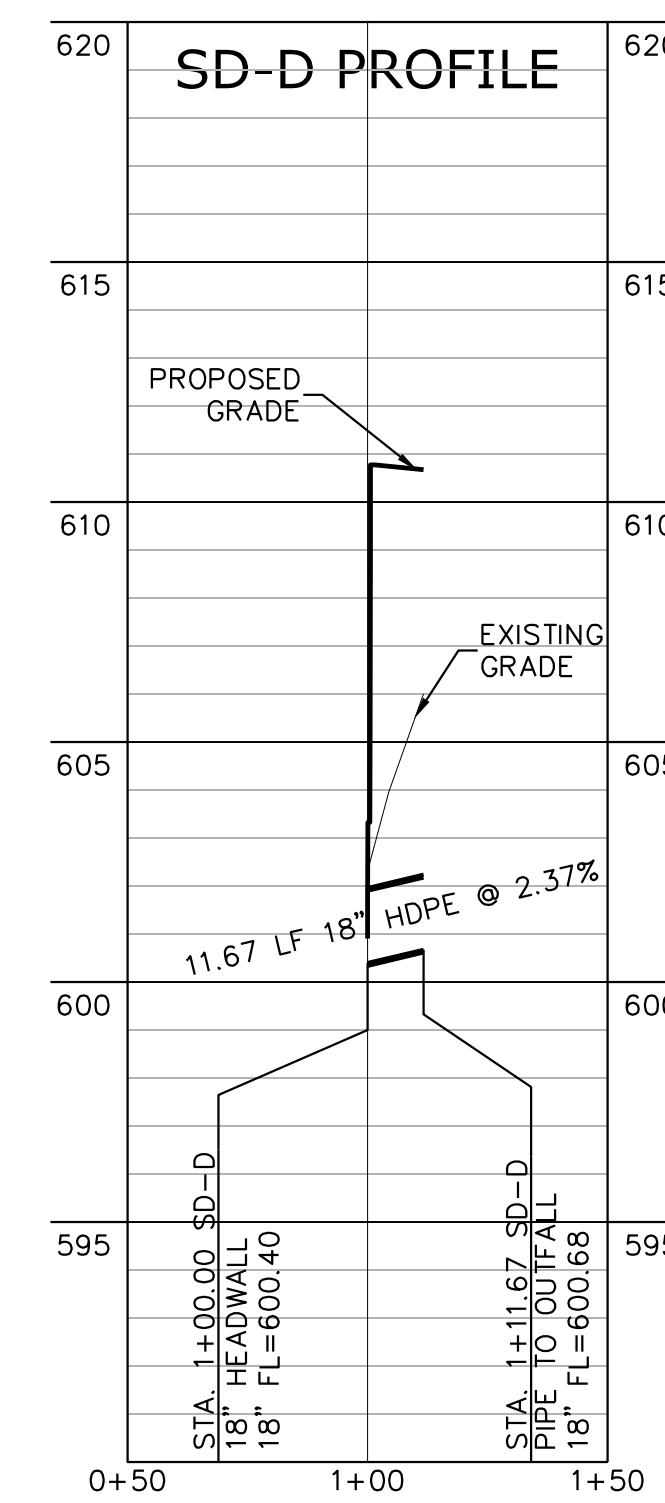
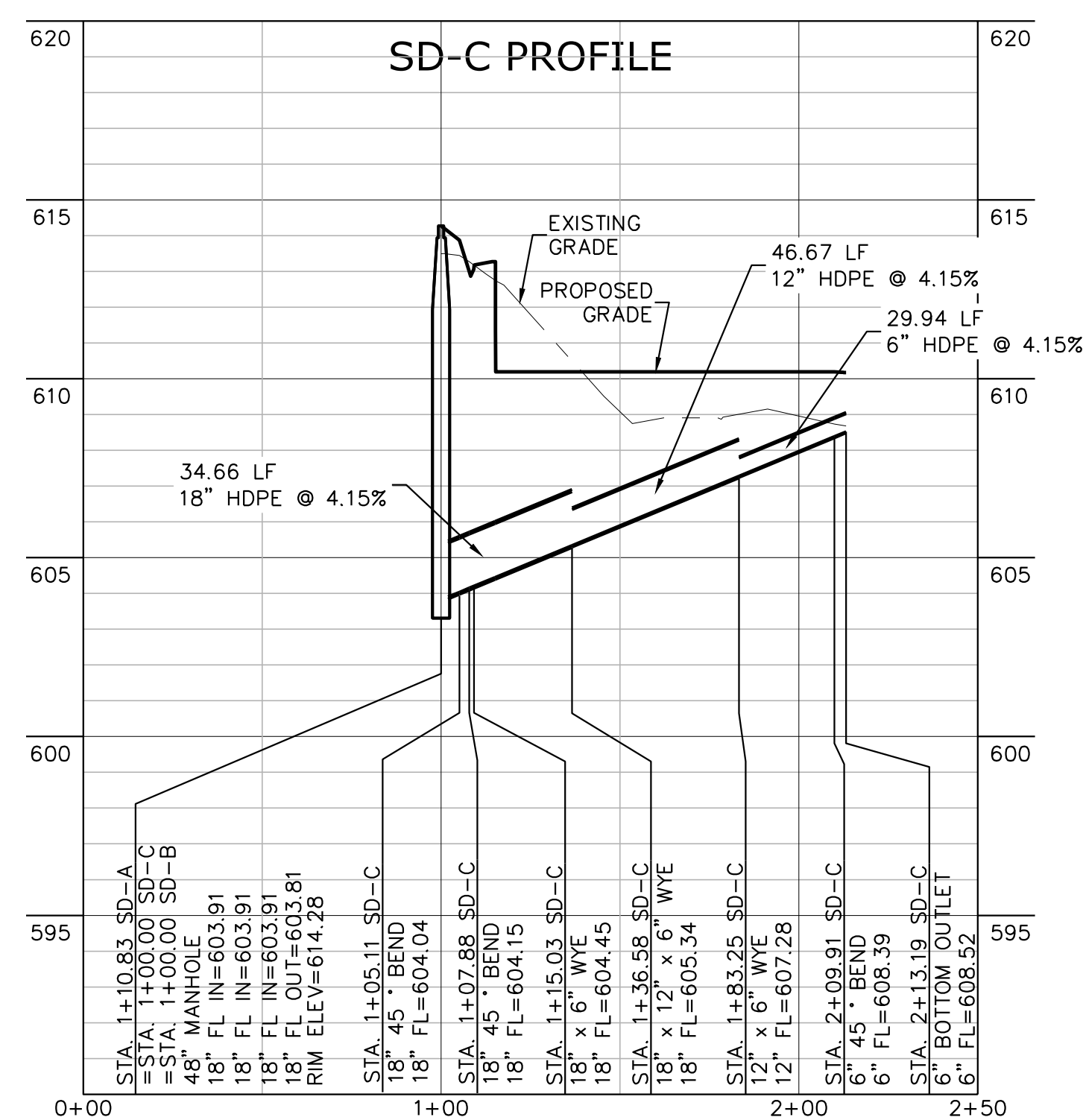
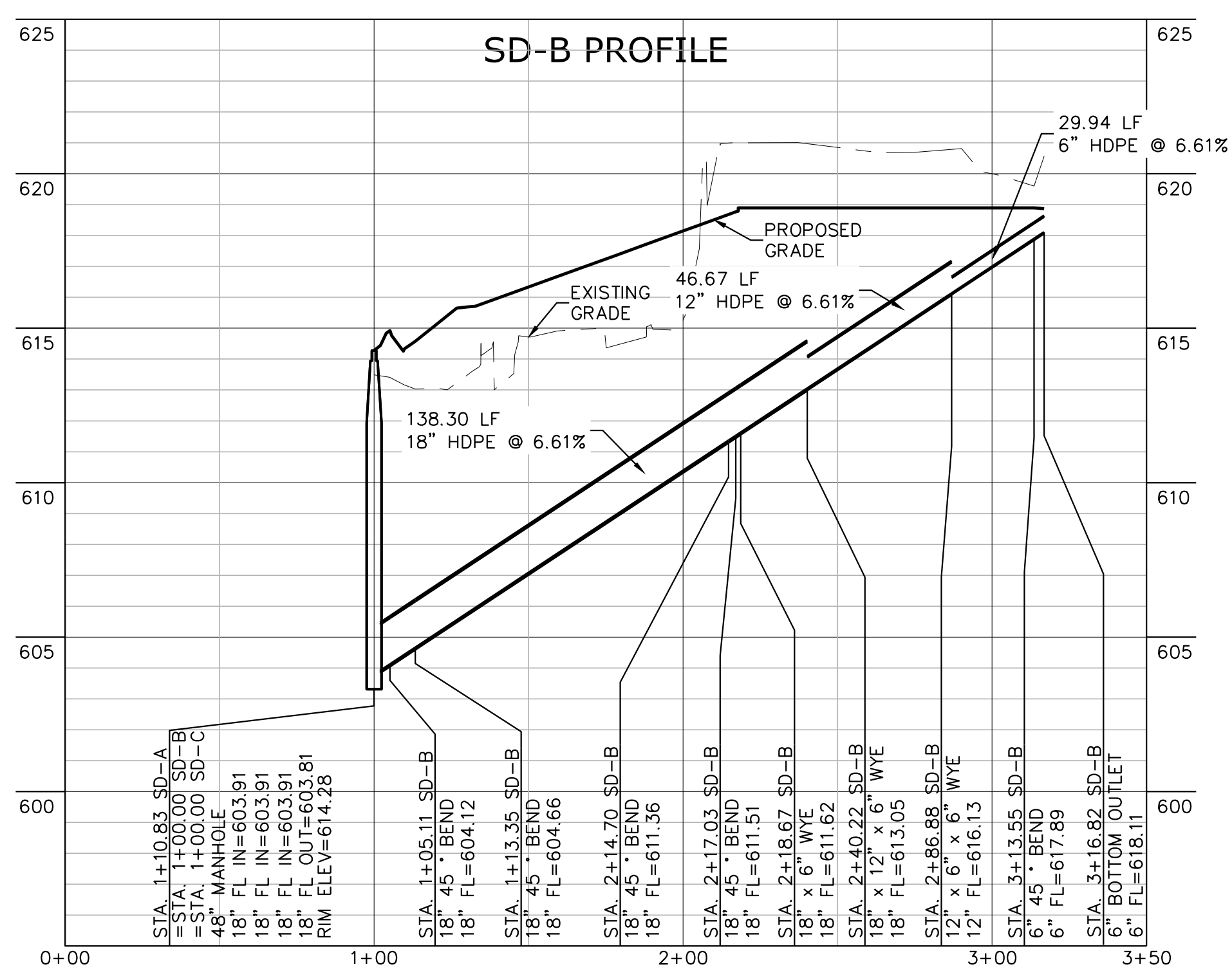
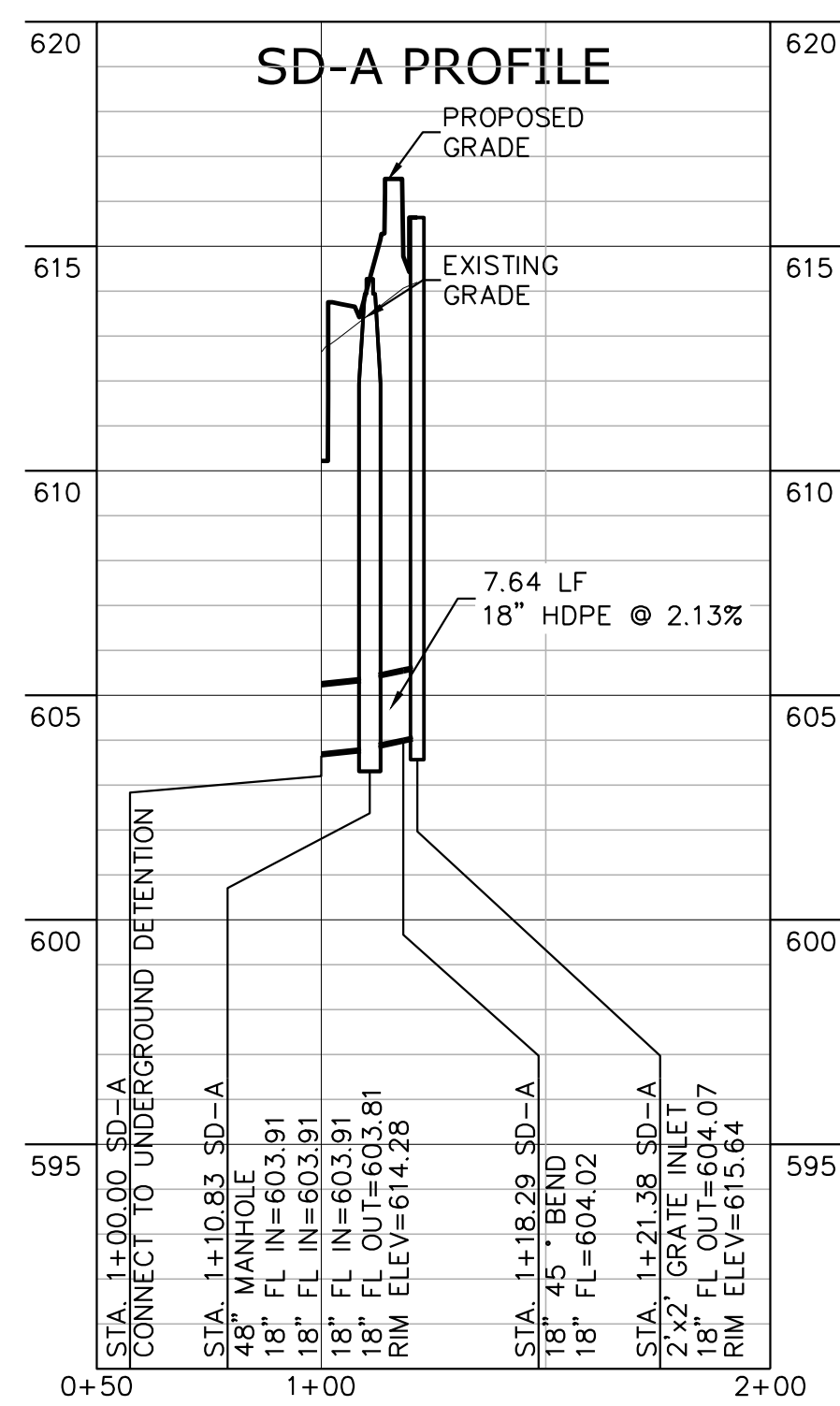
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

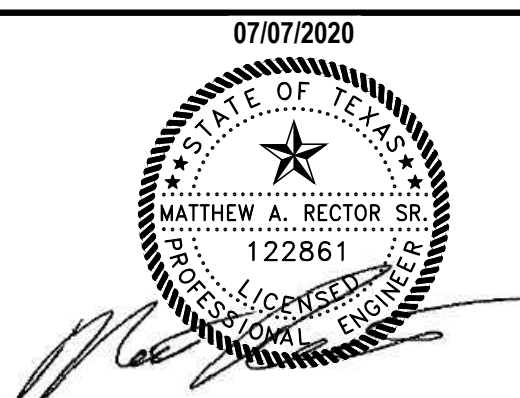
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16 OF 26

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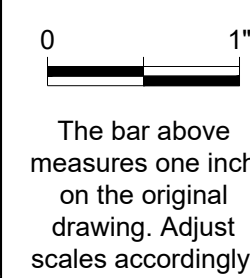
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Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

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TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



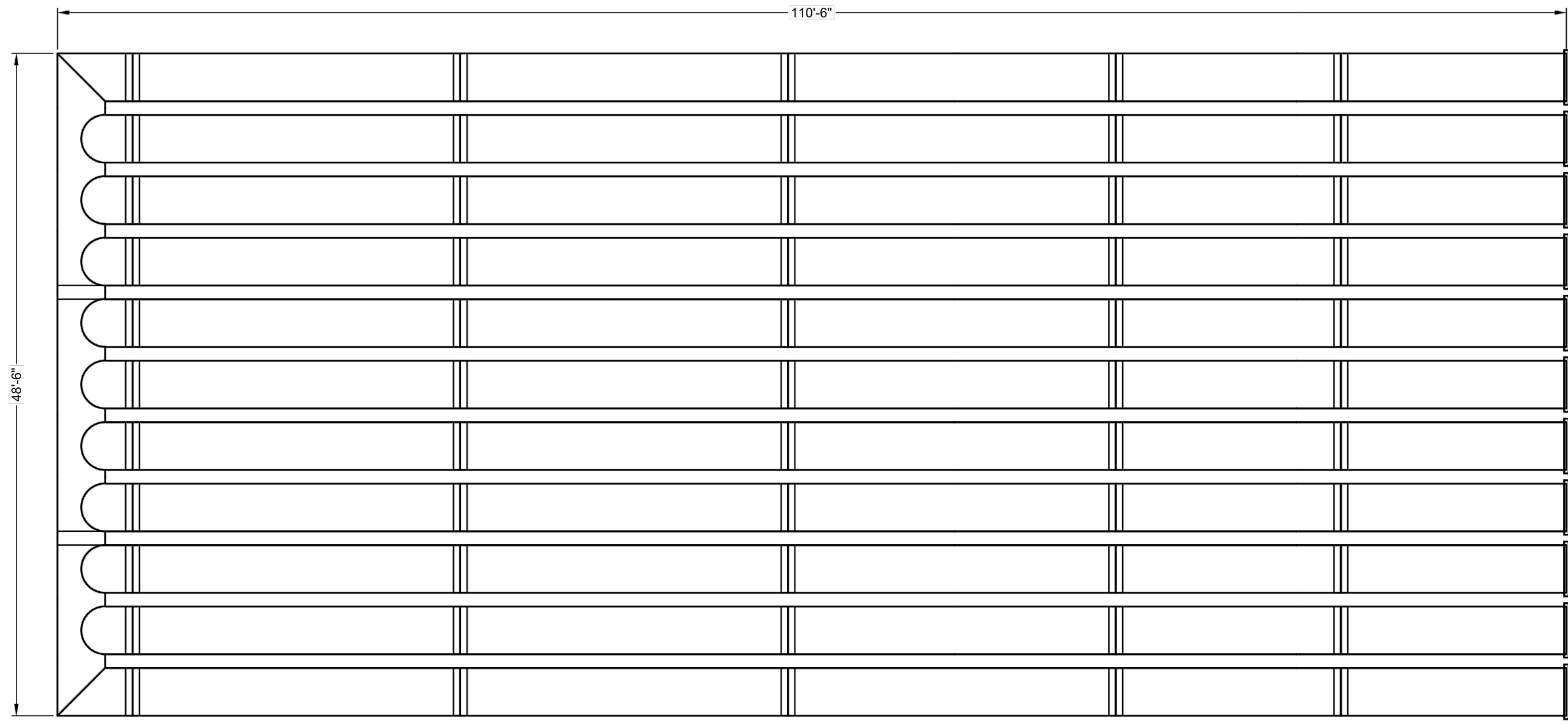
DETENTION POND PLAN

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

542

17 OF 26



ASSEMBLY
SCALE: 1" = 10'

PERMIT DOCUMENTS

PROJECT SUMMARY			
CALCULATION DETAILS	STORAGE SUMMARY	PIPE DETAILS	BACKFILL DETAILS
<ul style="list-style-type: none"> LENGTH PER BARREL = 107 FT LENGTH PER HEADER = 48.50 FT LOADING = H20 & H25 APPROX. CMP FOOTAGE = 1,226 FT 	<ul style="list-style-type: none"> STORAGE VOLUME REQUIRED 15,000 CF PIPE STORAGE = 11,790 CF STRUCTURAL BACKFILL STORAGE = 3,280 CF TOTAL STORAGE PROVIDED = 15,070 CF 	<ul style="list-style-type: none"> DIAMETER = 42 IN CORRUGATION = 2-2/3" X 1/2" GAGE = 16 COATING = ALUMINIZED STEEL TYPE 2 (ALT2) WALL TYPE = PERFORATED BARREL SPACING = 12 IN 	<ul style="list-style-type: none"> WIDTH AT ENDS = 12 IN ABOVE PIPE = 6 IN WIDTH AT SIDES = 12 IN BELOW PIPE = 0 IN

- NOTES**
- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
 - ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
 - ALL RISERS AND STUBS ARE 2 1/2" x 1/2" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
 - RISERS TO BE FIELD TRIMMED TO GRADE.
 - QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
 - THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN. QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.

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ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH
CMP DETENTION SYSTEMS
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DYODS
DRAWING

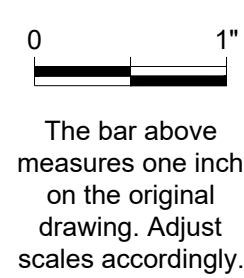
DYODS - 14673-1-0
PROJECT NAME: Western Hills Athletic Club
Austin, TX
DESCRIPTION: UDS

PROJECT No.: 14673-1	SEQ. No.: 0	DATE: 4/7/2020
DESIGNED: DYODS	DRAWN: DYODS	
CHECKED:	APPROVED:	
SHEET No.: D1		



mwm
Design Group
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TBEF FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



DETENTION POND DETAILS

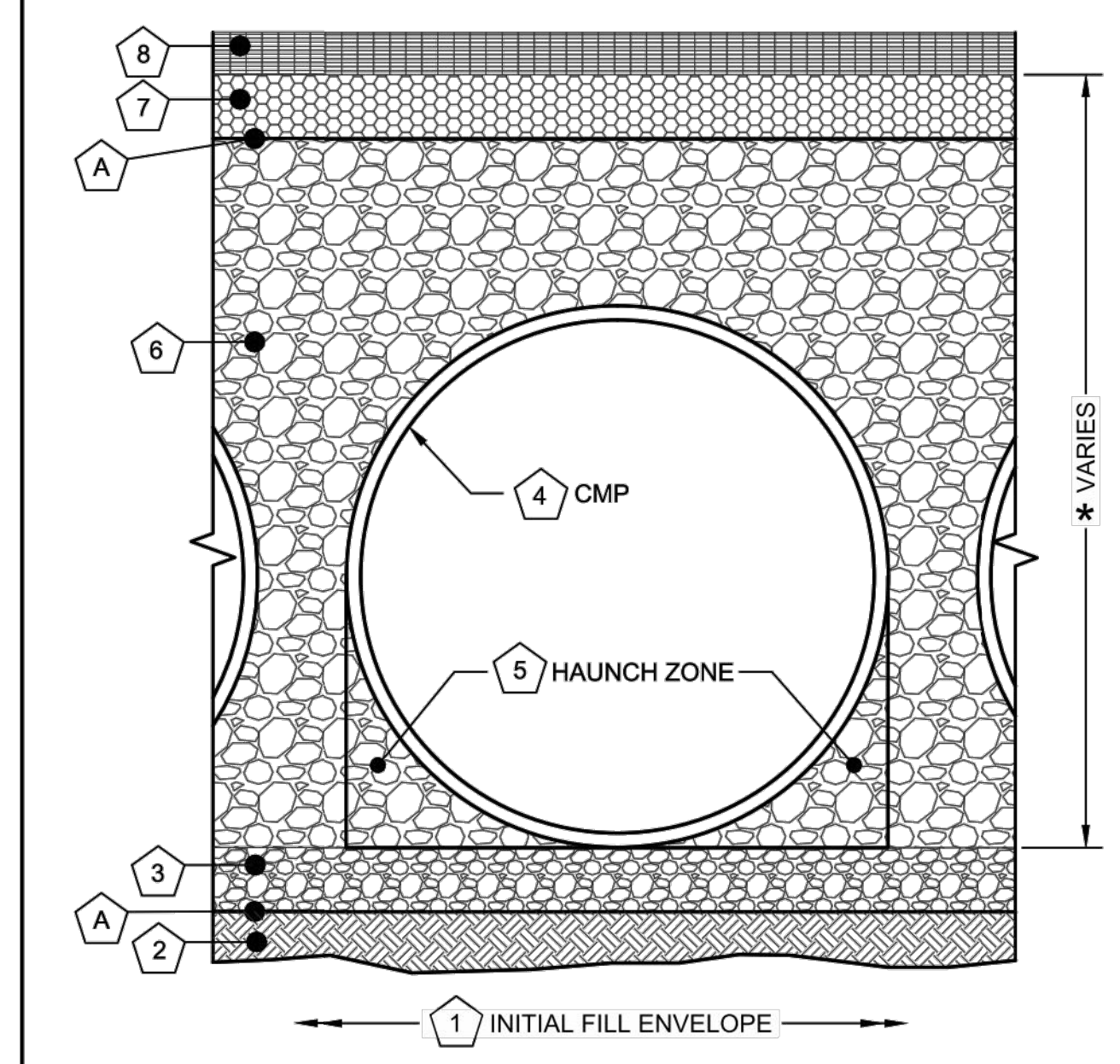
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

543

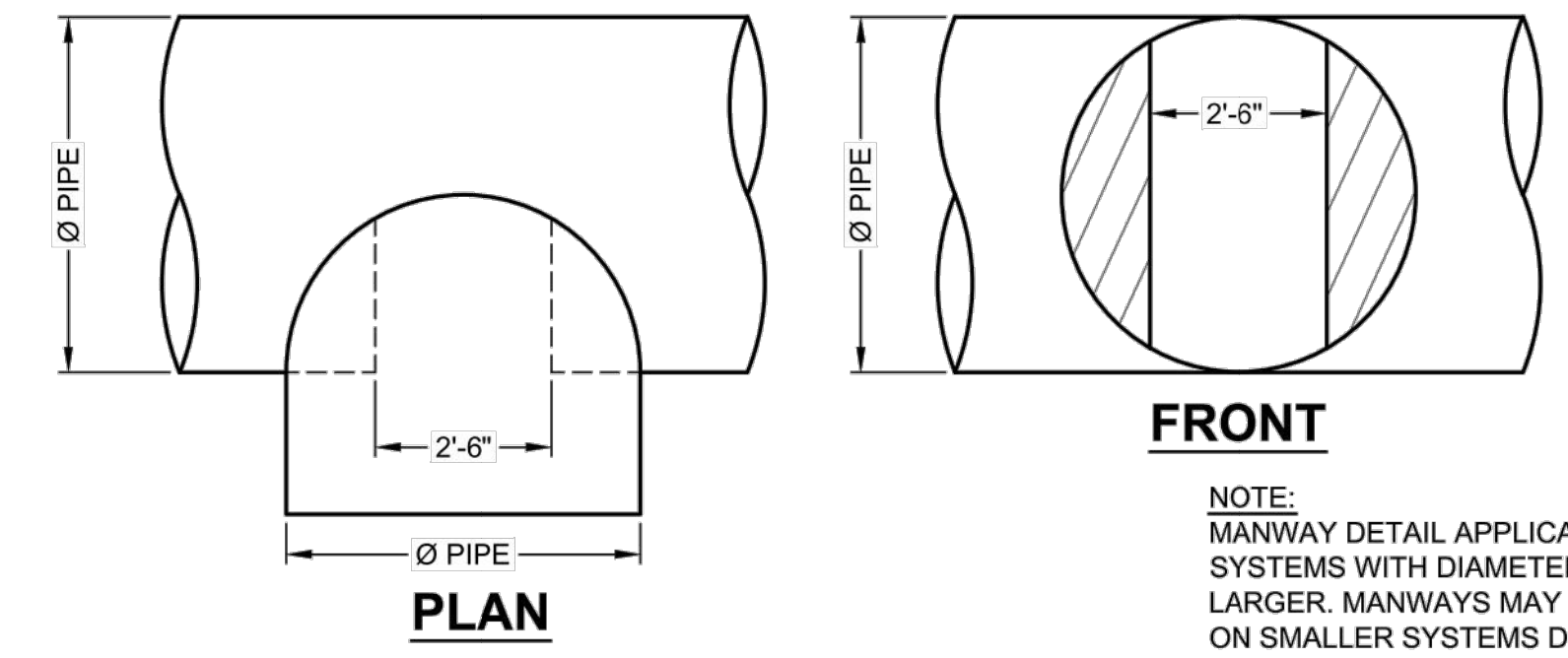
18 OF 26

File: Y:\863-01_WHF_Athletic_Club\CAD_Sheets\042 Detention Pond Details.dwg 22,34



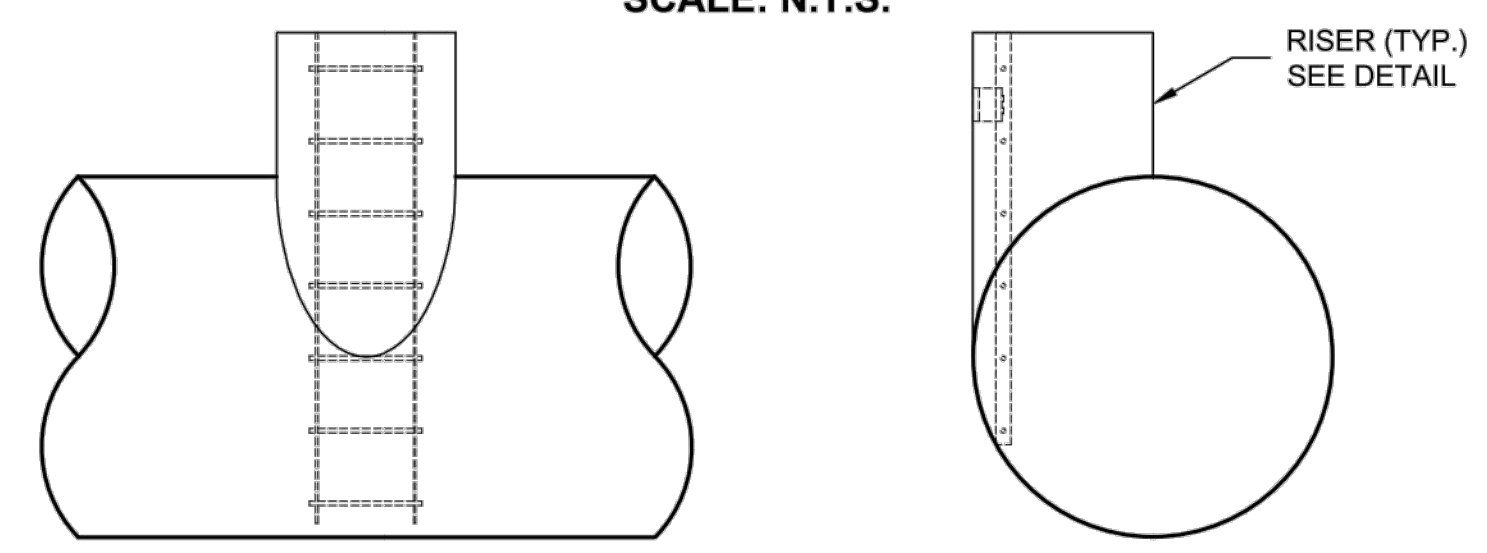
Infiltration Systems - CMP Infiltration & CMP Perforated Drainage Pipe			
Material Location	Description	Material Designation	Designation
8	Rigid or Flexible Pavement (if applicable)		
7	Road Base (if applicable)		
6	Geotextile Layer	Non-Woven Geotextile CONTECH C-40 or C-45	Engineer Decision for consideration to prevent soil migration into varying soil types. Wrap the trench only.
5	Backfill	Infiltration pipe systems have a pipe perforation sized of 3/8" diameter. An open graded, free draining stone, with a particle size of 1/2" - 2 1/2" diameter is recommended. AASHTO M 145-A-1 or AASHTO M 43 - 3, 4	Material shall be worked into the pipe haunches by means of shovel-slicing, rodding, air-tamper, vibratory rod, or other effective methods. Compaction of all placed fill material is necessary and shall be considered adequate when no further yielding of the material is observed under the compactor, or under foot, and the Project Engineer or his representative is satisfied with the level of compaction.
3	Bedding Stone	Well graded granular bedding material w/maximum particle size of 3" AASHTO M43 - 3, 357, 4, 467, 5, 56, 57	For soil aggregates larger than 3/8" a dedicated bedding layer is not required for CMP. Pipe may be placed on the trench bottom comprised of native suitable well graded & granular material. For Arch pipes it is recommended to be shaped to a relatively flat bottom or fine-grade the foundation to a slight v-shape. Soil aggregates less than 3/8" and unsuitable material should be over-excavated and re-placed with a 4"-6" layer of well graded & granular stone per the material designation.
2	Geotextile Layer	None	Contech does not recommend geotextiles be placed under the invert of infiltration systems due to the propensity for geotextiles to clog over time.

* Note: The listed AASHTO designations are for gradation only. The stone must also be angular and clean.



TYPICAL MANWAY DETAIL
SCALE: N.T.S.

NOTE: MANWAY DETAIL APPLICABLE FOR CMP SYSTEMS WITH DIAMETERS 48" AND LARGER. MANWAYS MAY BE REQUIRED ON SMALLER SYSTEMS DEPENDING ON ACTUAL SITE SPECIFIC CONDITIONS.



TYPICAL RISER DETAIL
SCALE: N.T.S.

NOTE: LADDERS ARE OPTIONAL AND ARE NOT REQUIRED FOR ALL SYSTEMS.

1 MINIMUM WIDTH DEPENDS ON SITE CONDITIONS AND ENGINEERING JUDGEMENT.

FOUNDATION/BEDDING PREPARATION

2 PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER.

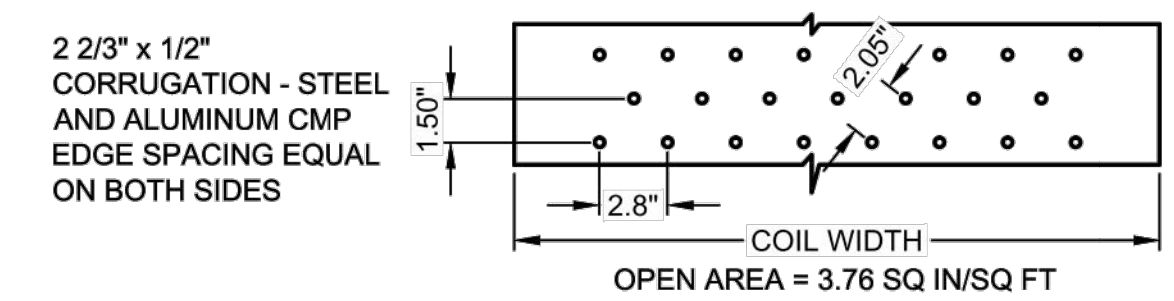
5 HAUNCH ZONE MATERIAL SHALL BE PLACED AND UNIFORMLY COMPACTED WITHOUT SOFT SPOTS.

BACKFILL
MATERIAL SHALL BE PLACED IN 8"-10" MAXIMUM LIFTS. INADEQUATE COMPACTION CAN LEAD TO EXCESSIVE DEFLECTIONS WITHIN THE SYSTEM AND SETTLEMENT OF THE SOILS OVER THE SYSTEM. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO-LIFT DIFFERENTIAL BETWEEN THE SIDES OF ANY PIPE IN THE SYSTEM AT ALL TIMES DURING THE BACKFILL PROCESS. BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON ANY PIPES IN THE SYSTEM.

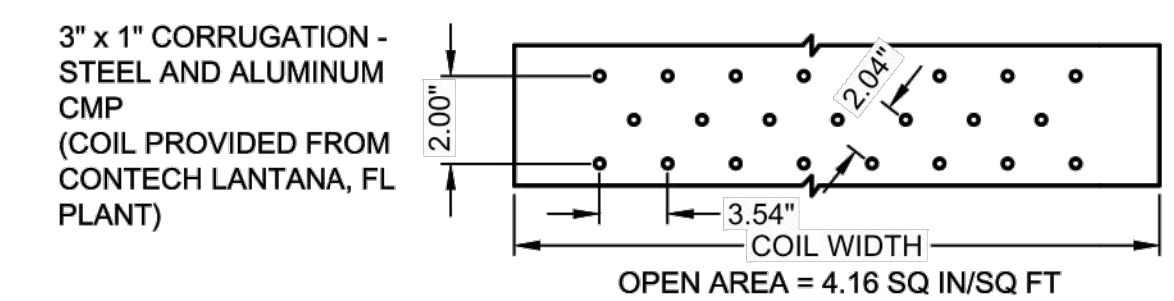
EQUIPMENT USED TO PLACE AND COMPACT THE BACKFILL SHALL BE OF A SIZE AND TYPE SO AS NOT TO DISTORT, DAMAGE, OR DISPLACE THE PIPE. ATTENTION MUST BE GIVEN TO PROVIDING ADEQUATE MINIMUM COVER FOR SUCH EQUIPMENT. MAINTAIN BALANCED LOADING ON ALL PIPES IN THE SYSTEM DURING ALL SUCH OPERATIONS.

OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS. REFER TO TYPICAL BACKFILL DETAIL FOR MATERIAL REQUIRED.

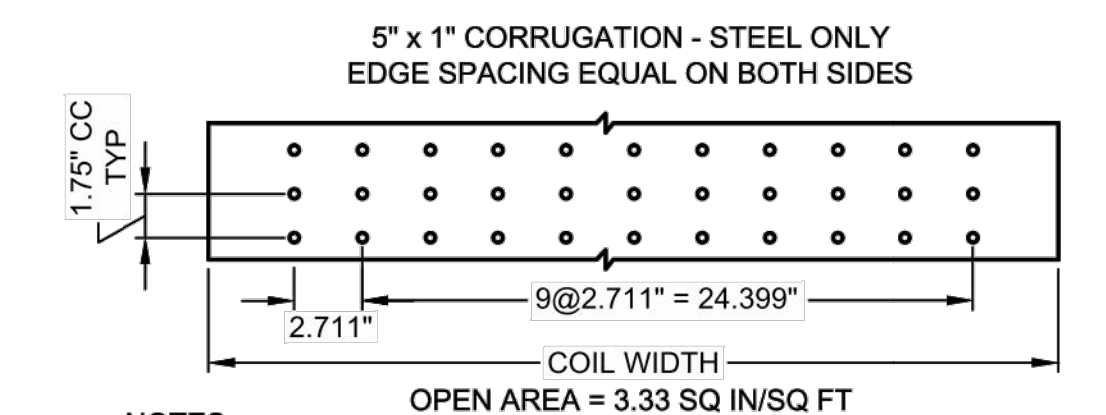
BACKFILL DETAIL
SCALE: N.T.S.



TYPICAL PERFORATION DETAIL
SCALE: N.T.S.



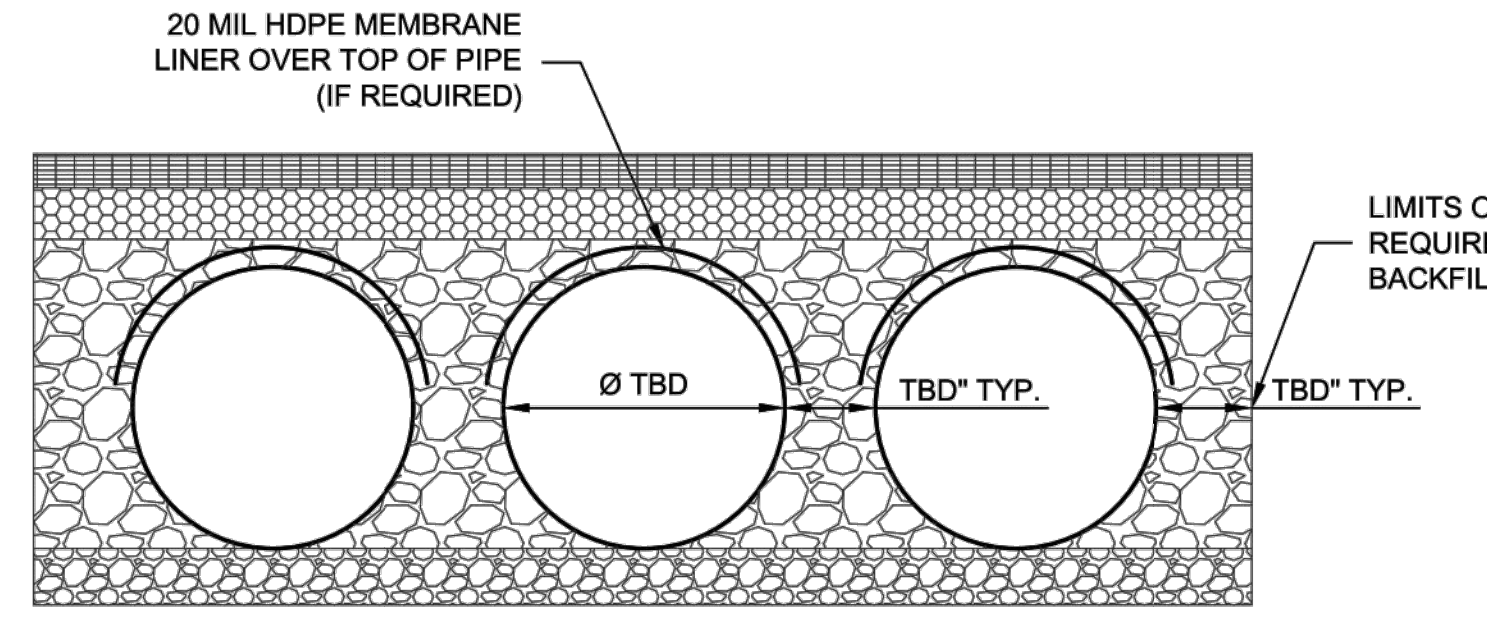
TYPICAL PERFORATION DETAIL
SCALE: N.T.S.



TYPICAL PERFORATION DETAIL
SCALE: N.T.S.

- NOTES:
1. PERFORATIONS MEET AASHTO AND ASTM SPECIFICATIONS.
 2. PERFORATION OPEN AREA PER SQUARE FOOT OF PIPE IS BASED ON THE NOMINAL DIAMETER AND LENGTH OF PIPE.
 3. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
 4. ALL HOLES Ø3/8".

TYPICAL PERFORATION DETAIL
SCALE: N.T.S.



TYPICAL SECTION VIEW
LINER OVER ROWS
SCALE: N.T.S.

NOTE: IF SALTING AGENTS FOR SNOW AND ICE REMOVAL ARE USED ON OR NEAR THE PROJECT, AN HDPE MEMBRANE LINER IS RECOMMENDED WITH THE SYSTEM. THE IMPERMEABLE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM A CHANGE IN THE SURROUNDING ENVIRONMENT OVER A PERIOD OF TIME. PLEASE REFER TO THE CORRUGATED METAL PIPE DETENTION DESIGN GUIDE FOR ADDITIONAL INFORMATION.

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DYODS - 14673-1-0
PROJECT NAME: Western Hills Athletic Club
Austin, TX
DESCRIPTION: UDS

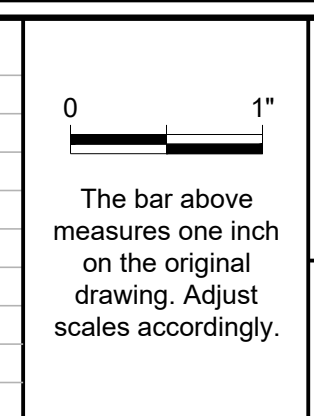
PROJECT No.: 14673-1	SEQ. No.: 0	DATE: 4/7/2020
DESIGNED: DYODS	DRAWN: DYODS	
CHECKED:	APPROVED:	
SHEET NO.: D2		

PERMIT DOCUMENTS



mwm
Design Group
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TSPRE FIRM REGISTRATION NO.: F-14116
TBLPS FIRM REGISTRATION NO.: 10065600

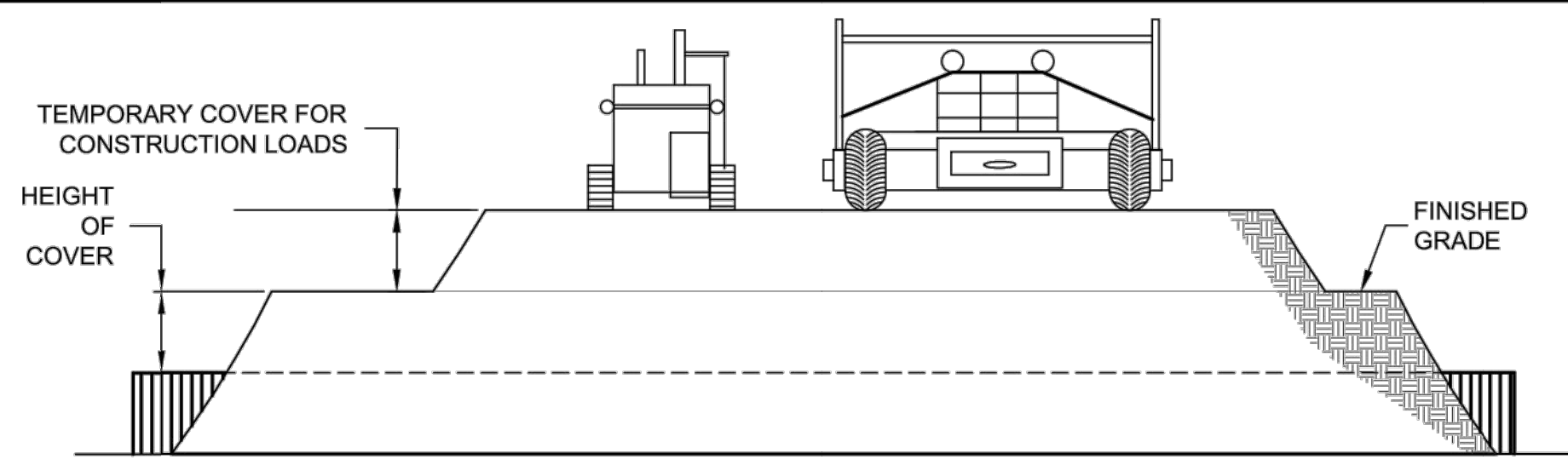
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DETENTION POND DETAILS

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01
544
19 OF 26



FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

PIPE SPAN, INCHES	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM
SCALE: N.T.S.

SPECIFICATION FOR DESIGNED DETENTION SYSTEM:

SCOPE
THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE DESIGNED DETENTION SYSTEM DETAILED IN THE PROJECT PLANS.

MATERIAL
THE MATERIAL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-274 OR ASTM A-92.

THE GALVANIZED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-218 OR ASTM A-929.

THE POLYMER COATED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-246 OR ASTM A-742.

THE ALUMINUM COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-197 OR ASTM B-744.

CONSTRUCTION LOADS
CONSTRUCTION LOADS MAY BE HIGHER THAN FINAL LOADS. FOLLOW THE MANUFACTURER'S OR NCSA GUIDELINES.

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PIPE
THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2: AASHTO M-36 OR ASTM A-760

GALVANIZED: AASHTO M-36 OR ASTM A-760

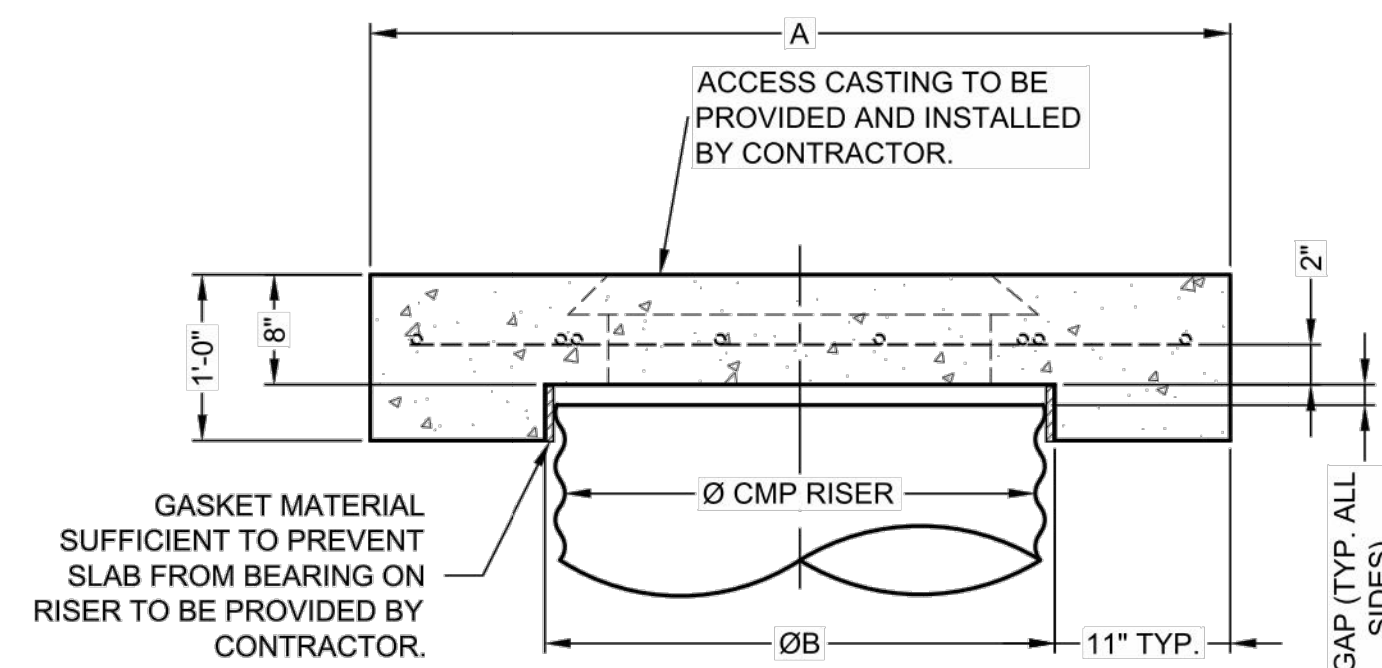
POLYMER COATED: AASHTO M-245 OR ASTM A-762

ALUMINUM: AASHTO M-196 OR ASTM B-745

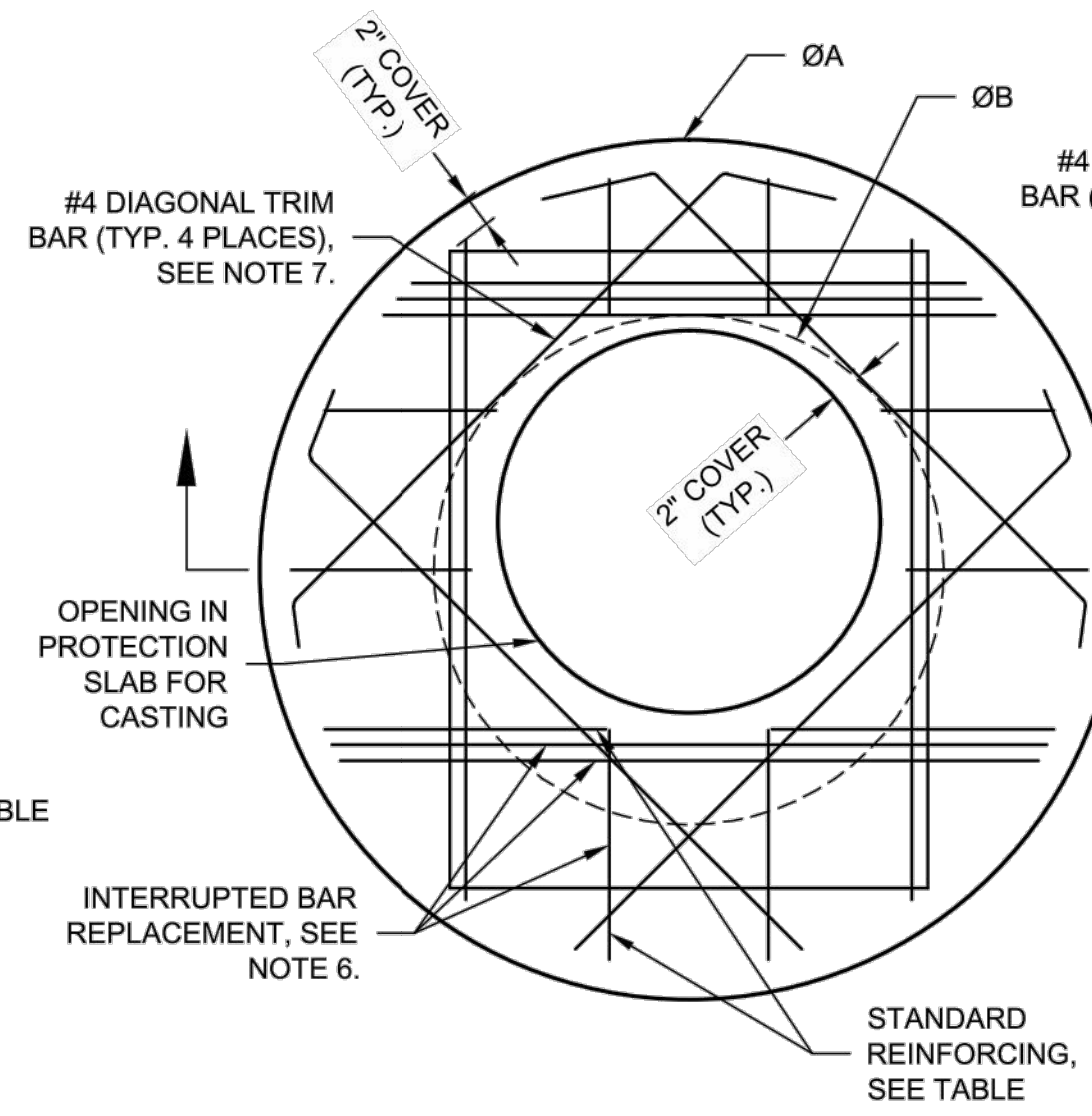
HANDLING AND ASSEMBLY
SHALL BE IN ACCORDANCE WITH NCSP'S (NATIONAL CORRUGATED STEEL PIPE ASSOCIATION) FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL. SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR ALUMINUM PIPE.

INSTALLATION
SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II DIVISION II OR ASTM A-798 (FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL) OR ASTM B-788 (FOR ALUMINUM PIPE) AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE SITE ENGINEER.

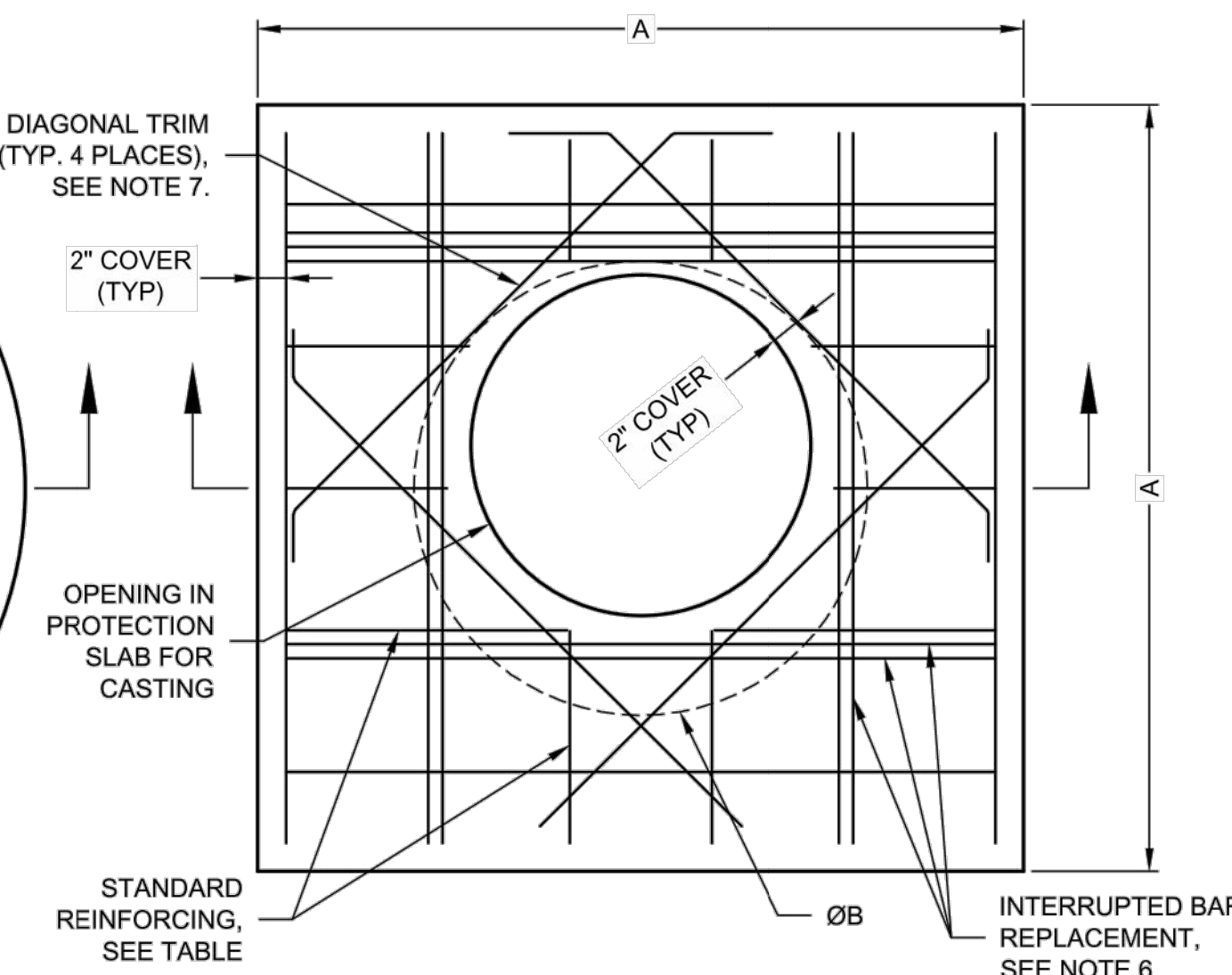
IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.



SECTION VIEW



ROUND OPTION PLAN VIEW



SQUARE OPTION PLAN VIEW

NOTES:

- DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION.
- DESIGN LOAD HS25.
- EARTH COVER = 1' MAX.
- CONCRETE STRENGTH = 3,500 psi
- REINFORCING STEEL = ASTM A615, GRADE 60.
- PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.
- TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
- PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- DETAIL DESIGN BY DELTA ENGINEERING, BINGHAMTON, NY.

MANHOLE CAP DETAIL
SCALE: N.T.S.

REINFORCING TABLE				
Ø CMP RISER	A	Ø B	REINFORCING	**BEARING PRESSURE (PSF)
24"	Ø 4' 4" X 4"	26"	#5 @ 12" OCEW #5 @ 12" OCEW	2,410 1,780
30"	Ø 4'-6" 4'-6" X 4'-6"	32"	#5 @ 12" OCEW #5 @ 12" OCEW	2,120 1,530
36"	Ø 5' 5' X 5'	38"	#5 @ 10" OCEW #5 @ 10" OCEW	1,890 1,350
42"	Ø 5'-6" 5'-6" X 5'-6"	44"	#5 @ 10" OCEW #5 @ 9" OCEW	1,720 1,210
48"	Ø 6' 6' X 6'	50"	#5 @ 9" OCEW #5 @ 8" OCEW	1,600 1,100

** ASSUMED SOIL BEARING CAPACITY



9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

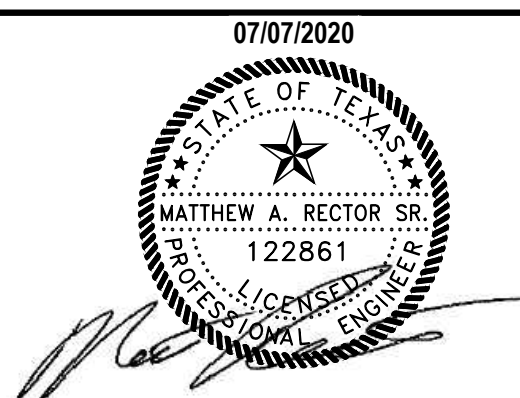


CONTECH DYODS DRAWING

DYODS - 14673-1-0
PROJECT NAME: Western Hills Athletic Club
Austin, TX
DESCRIPTION: UDS

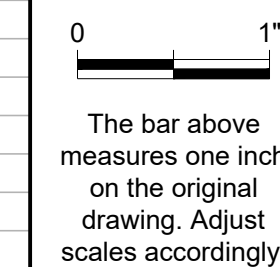
PROJECT No.: 14673-1	SEQ. No.: 0	DATE: 4/7/2020
DESIGNED: DYODS	DRAWN: DYODS	
CHECKED:	APPROVED:	
SHEET NO.: D3		

PERMIT DOCUMENTS



305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TSPR FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



DETENTION POND DETAILS

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

545

20 OF 26

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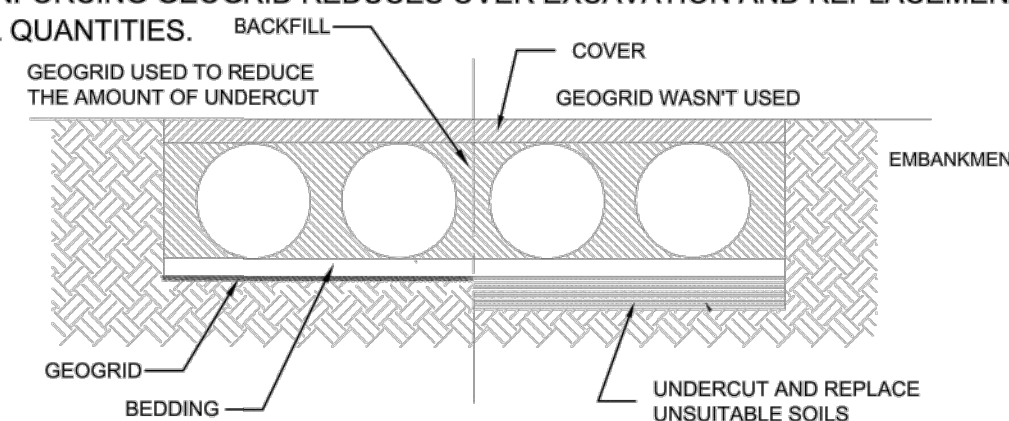
CMP DETENTION INSTALLATION GUIDE

PROPER INSTALLATION OF A FLEXIBLE UNDERGROUND DETENTION SYSTEM WILL ENSURE LONG-TERM PERFORMANCE. THE CONFIGURATION OF THESE SYSTEMS OFTEN REQUIRES SPECIAL CONSTRUCTION PRACTICES THAT DIFFER FROM CONVENTIONAL FLEXIBLE PIPE CONSTRUCTION. CONTECH ENGINEERED SOLUTIONS STRONGLY SUGGESTS SCHEDULING A PRE-CONSTRUCTION MEETING WITH YOUR LOCAL SALES ENGINEER TO DETERMINE IF ADDITIONAL MEASURES, NOT COVERED IN THIS GUIDE, ARE APPROPRIATE FOR YOUR SITE.

FOUNDATION

CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN ITS INTEGRITY DURING CONSTRUCTION.

IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE APPROPRIATE ELEVATION WITH A COMPETENT BACKFILL MATERIAL. THE STRUCTURAL FILL MATERIAL GRADATION SHOULD NOT ALLOW THE MIGRATION OF FINES, WHICH CAN CAUSE SETTLEMENT OF THE DETENTION SYSTEM OR PAVEMENT ABOVE. IF THE STRUCTURAL FILL MATERIAL IS NOT COMPATIBLE WITH THE UNDERLYING SOILS AN ENGINEERING FABRIC SHOULD BE USED AS A SEPARATOR. IN SOME CASES, USING A STIFF REINFORCING GEOGRID REDUCES OVER EXCAVATION AND REPLACEMENT FILL QUANTITIES.

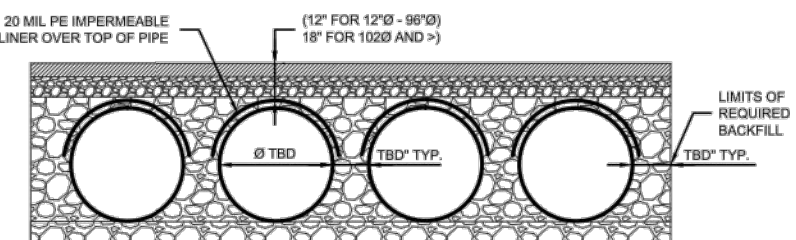


GRADE THE FOUNDATION SUBGRADE TO A UNIFORM OR SLIGHTLY SLOPING GRADE. IF THE SUBGRADE IS CLAY OR RELATIVELY NON-POROUS AND THE CONSTRUCTION SEQUENCE WILL LAST FOR AN EXTENDED PERIOD OF TIME, IT IS BEST TO SLOPE THE GRADE TO ONE END OF THE SYSTEM. THIS WILL ALLOW EXCESS WATER TO DRAIN QUICKLY, PREVENTING SATURATION OF THE SUBGRADE.

GEOMEMBRANE BARRIER

A SITE'S RESISTIVITY MAY CHANGE OVER TIME WHEN VARIOUS TYPES OF SALTING AGENTS ARE USED, SUCH AS ROAD SALTS FOR DEICING AGENTS. IF SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE, A GEOMEMBRANE BARRIER IS RECOMMENDED WITH THE SYSTEM. THE GEOMEMBRANE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM THE USE OF SUCH AGENTS INCLUDING PREMATURE CORROSION AND REDUCED ACTUAL SERVICE LIFE.

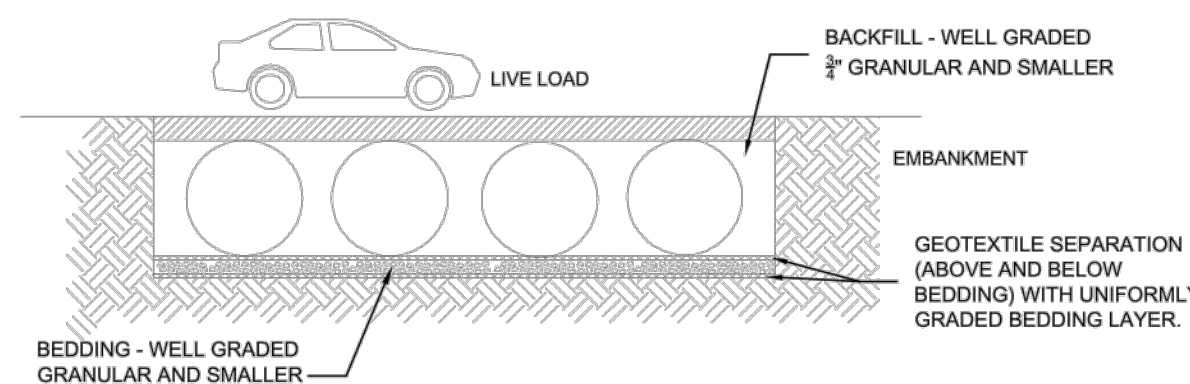
THE PROJECT'S ENGINEER OF RECORD IS TO EVALUATE WHETHER SALTING AGENTS WILL BE USED ON OR NEAR THE PROJECT SITE, AND USE HIS/HER BEST JUDGEMENT TO DETERMINE IF ANY ADDITIONAL PROTECTIVE MEASURES ARE REQUIRED. BELOW IS A TYPICAL DETAIL SHOWING THE PLACEMENT OF A GEOMEMBRANE BARRIER FOR PROJECTS WHERE SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE.



IN-SITU TRENCH WALL

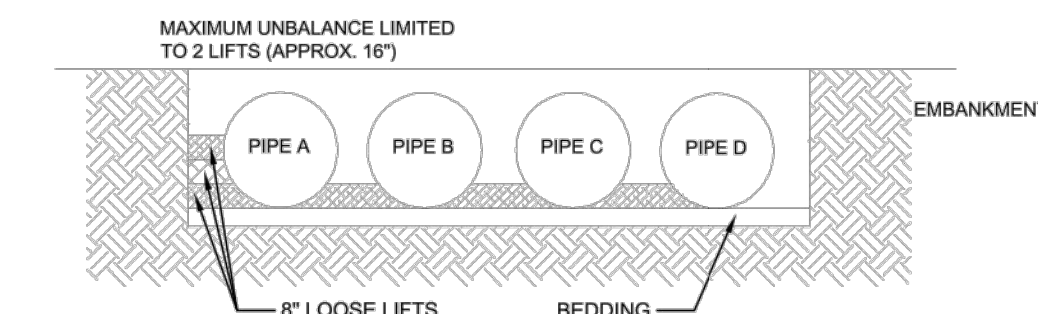
IF EXCAVATION IS REQUIRED, THE TRENCH WALL NEEDS TO BE CAPABLE OF SUPPORTING THE LOAD THAT THE PIPE SHEDS AS THE SYSTEM IS LOADED. IF SOILS ARE NOT CAPABLE OF SUPPORTING THESE LOADS, THE PIPE CAN DEFLECT. PERFORM A SIMPLE SOIL PRESSURE CHECK USING THE APPLIED LOADS TO DETERMINE THE LIMITS OF EXCAVATION BEYOND THE SPRING LINE OF THE OUTER MOST PIPES.

IN MOST CASES THE REQUIREMENTS FOR A SAFE WORK ENVIRONMENT AND PROPER BACKFILL PLACEMENT AND COMPACTION TAKE CARE OF THIS CONCERN.



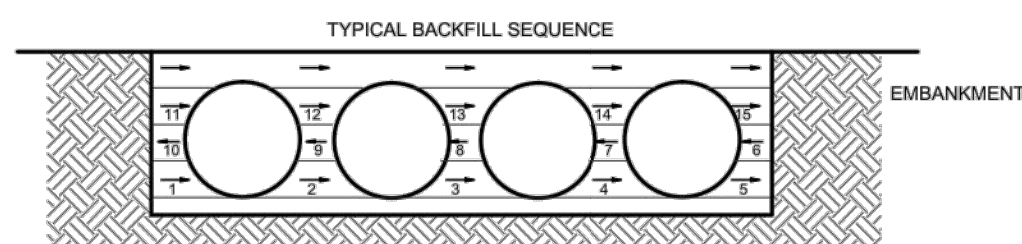
BACKFILL PLACEMENT

MATERIAL SHALL BE WORKED INTO THE PIPE HAUNCHES BY MEANS OF SHOVEL-SLICING, RODDING, AIR TAMPER, VIBRATORY ROD, OR OTHER EFFECTIVE METHODS.

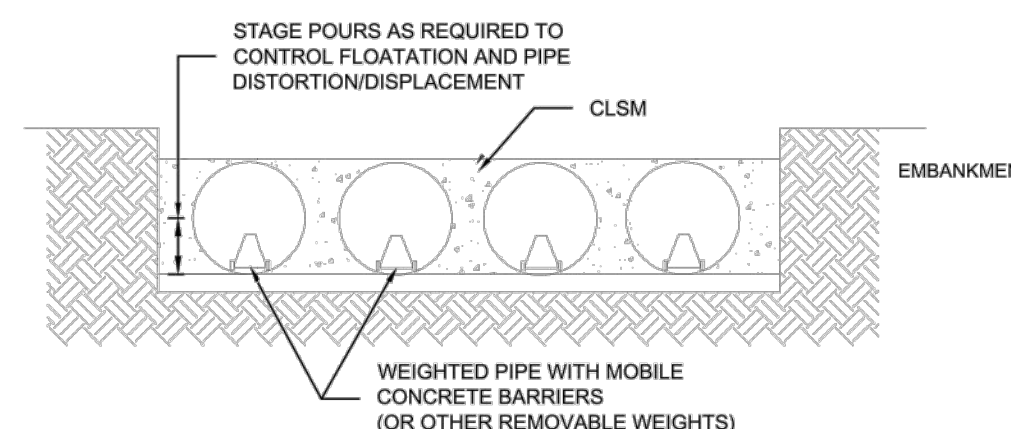


IF AASHTO T99 PROCEDURES ARE DETERMINED INFEASIBLE BY THE GEOTECHNICAL ENGINEER OF RECORD, COMPACTION IS CONSIDERED ADEQUATE WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR, OR UNDER FOOT, AND THE GEOTECHNICAL ENGINEER OF RECORD (OR REPRESENTATIVE THEREOF) IS SATISFIED WITH THE LEVEL OF COMPACTION.

FOR LARGE SYSTEMS, CONVEYOR SYSTEMS, BACKHOES WITH LONG REACHES OR DRAGLINES WITH STONE BUCKETS MAY BE USED TO PLACE BACKFILL. ONCE MINIMUM COVER FOR CONSTRUCTION LOADING ACROSS THE ENTIRE WIDTH OF THE SYSTEM IS REACHED, ADVANCE THE EQUIPMENT TO THE END OF THE RECENTLY PLACED FILL, AND BEGIN THE SEQUENCE AGAIN UNTIL THE SYSTEM IS COMPLETELY BACKFILLED. THIS TYPE OF CONSTRUCTION SEQUENCE PROVIDES ROOM FOR STOCKPILED BACKFILL DIRECTLY BEHIND THE BACKHOE, AS WELL AS THE MOVEMENT OF CONSTRUCTION TRAFFIC. MATERIAL STOCKPILES ON TOP OF THE BACKFILLED DETENTION SYSTEM SHOULD BE LIMITED TO 8- TO 10- FEET HIGH AND MUST PROVIDE BALANCED LOADING ACROSS ALL BARRELS. TO DETERMINE THE PROPER COVER OVER THE PIPES TO ALLOW THE MOVEMENT OF CONSTRUCTION EQUIPMENT SEE TABLE 1, OR CONTACT YOUR LOCAL CONTECH SALES ENGINEER.



WHEN FLOWABLE FILL IS USED, YOU MUST PREVENT PIPE FLOATATION. TYPICALLY, SMALL LIFTS ARE PLACED BETWEEN THE PIPES AND THEN ALLOWED TO SET-UP PRIOR TO THE PLACEMENT OF THE NEXT LIFT. THE ALLOWABLE THICKNESS OF THE CLSM LIFT IS A FUNCTION OF A PROPER BALANCE BETWEEN THE UPLIFT FORCE OF THE CLSM, THE OPPOSING WEIGHT OF THE PIPE, AND THE EFFECT OF OTHER RESTRAINING MEASURES. THE PIPE CAN CARRY LIMITED FLUID PRESSURE WITHOUT PIPE DISTORTION OR DISPLACEMENT, WHICH ALSO AFFECTS THE CLSM LIFT THICKNESS. YOUR LOCAL CONTECH SALES ENGINEER CAN HELP DETERMINE THE PROPER LIFT THICKNESS.

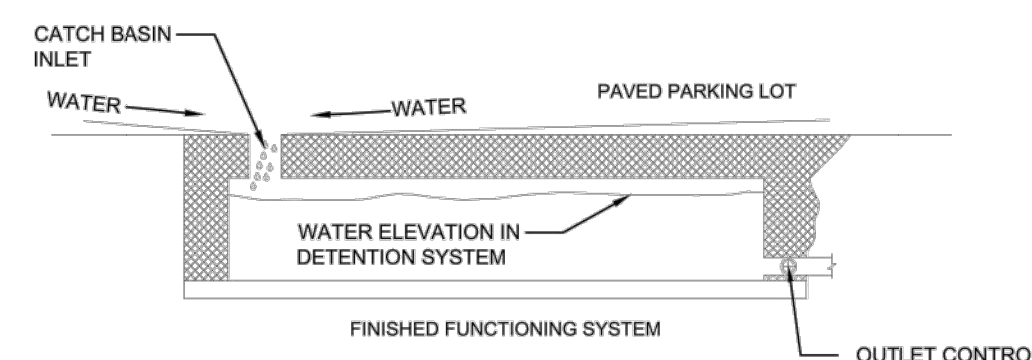


CONSTRUCTION LOADING

TYPICALLY, THE MINIMUM COVER SPECIFIED FOR A PROJECT ASSUMES H-20 LIVE LOAD. BECAUSE CONSTRUCTION LOADS OFTEN EXCEED DESIGN LIVE LOADS, INCREASED TEMPORARY MINIMUM COVER REQUIREMENTS ARE NECESSARY. SINCE CONSTRUCTION EQUIPMENT VARIES FROM JOB TO JOB, IT IS BEST TO ADDRESS EQUIPMENT SPECIFIC MINIMUM COVER REQUIREMENTS WITH YOUR LOCAL CONTECH SALES ENGINEER DURING YOUR PRE-CONSTRUCTION MEETING.

ADDITIONAL CONSIDERATIONS

BECAUSE MOST SYSTEMS ARE CONSTRUCTED BELOW-GRADE, RAINFALL CAN RAPIDLY FILL THE EXCAVATION; POTENTIALLY CAUSING FLOATATION AND MOVEMENT OF THE PREVIOUSLY PLACED PIPES. TO HELP MITIGATE POTENTIAL PROBLEMS, IT IS BEST TO START THE INSTALLATION AT THE DOWNSTREAM END WITH THE OUTLET ALREADY CONSTRUCTED TO ALLOW A ROUTE FOR THE WATER TO ESCAPE. TEMPORARY DIVERSION MEASURES MAY BE REQUIRED FOR HIGH FLOWS DUE TO THE RESTRICTED NATURE OF THE OUTLET PIPE.



CMP DETENTION SYSTEM INSPECTION AND MAINTENANCE

UNDERGROUND STORMWATER DETENTION AND INFILTRATION SYSTEMS MUST BE INSPECTED AND MAINTAINED AT REGULAR INTERVALS FOR PURPOSES OF PERFORMANCE AND LONGEVITY.

INSPECTION

INSPECTION IS THE KEY TO EFFECTIVE MAINTENANCE OF CMP DETENTION SYSTEMS AND IS EASILY PERFORMED. CONTECH RECOMMENDS ONGOING, QUARTERLY INSPECTIONS. THE RATE AT WHICH THE SYSTEM COLLECTS POLLUTANTS WILL DEPEND MORE ON SITE SPECIFIC ACTIVITIES RATHER THAN THE SIZE OR CONFIGURATION OF THE SYSTEM.

INSPECTIONS SHOULD BE PERFORMED MORE OFTEN IN EQUIPMENT WASHDOWN AREAS, IN CLIMATES WHERE SANDING AND/OR SALTING OPERATIONS TAKE PLACE, AND IN OTHER VARIOUS INSTANCES IN WHICH ONE WOULD EXPECT HIGHER ACCUMULATIONS OF SEDIMENT OR ABRASIVE/ CORROSIVE CONDITIONS. A RECORD OF EACH INSPECTION IS TO BE MAINTAINED FOR THE LIFE OF THE SYSTEM

MAINTENANCE

CMP DETENTION SYSTEMS SHOULD BE CLEANED WHEN AN INSPECTION REVEALS ACCUMULATED SEDIMENT OR TRASH IS CLOGGING THE DISCHARGE ORIFICE.

ACCUMULATED SEDIMENT AND TRASH CAN TYPICALLY BE EVACUATED THROUGH THE MANHOLE OVER THE OUTLET ORIFICE. IF MAINTENANCE IS NOT PERFORMED AS RECOMMENDED, SEDIMENT AND TRASH MAY ACCUMULATE IN FRONT OF THE OUTLET ORIFICE. MANHOLE COVERS SHOULD BE SECURELY SEATED FOLLOWING CLEANING ACTIVITIES. CONTECH SUGGESTS THAT ALL SYSTEMS BE DESIGNED WITH AN ACCESS/INSPECTION MANHOLE SITUATED AT OR NEAR THE INLET AND THE OUTLET ORIFICE. SHOULD IT BE NECESSARY TO GET INSIDE THE SYSTEM TO PERFORM MAINTENANCE ACTIVITIES, ALL APPROPRIATE PRECAUTIONS REGARDING CONFINED SPACE ENTRY AND OSHA REGULATIONS SHOULD BE FOLLOWED.

ANNUAL INSPECTIONS ARE BEST PRACTICE FOR ALL UNDERGROUND SYSTEMS. DURING THIS INSPECTION, IF EVIDENCE OF SALTING/DE-ICING AGENTS IS OBSERVED WITHIN THE SYSTEM, IT IS BEST PRACTICE FOR THE SYSTEM TO BE RINSED, INCLUDING ABOVE THE SPRING LINE SOON AFTER THE SPRING THAW AS PART OF THE MAINTENANCE PROGRAM FOR THE SYSTEM.

MAINTAINING AN UNDERGROUND DETENTION OR INFILTRATION SYSTEM IS EASIEST WHEN THERE IS NO FLOW ENTERING THE SYSTEM. FOR THIS REASON, IT IS A GOOD IDEA TO SCHEDULE THE CLEANOUT DURING DRY WEATHER.

THE FOREGOING INSPECTION AND MAINTENANCE EFFORTS HELP ENSURE UNDERGROUND PIPE SYSTEMS USED FOR STORMWATER STORAGE CONTINUE TO FUNCTION AS INTENDED BY IDENTIFYING RECOMMENDED REGULAR INSPECTION AND MAINTENANCE PRACTICES. INSPECTION AND MAINTENANCE RELATED TO THE STRUCTURAL INTEGRITY OF THE PIPE OR THE SOUNDNESS OF PIPE JOINT CONNECTIONS IS BEYOND THE SCOPE OF THIS GUIDE.

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CONTECH
ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH
CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYODS - 14673-1-0
PROJECT NAME: Western Hills Athletic Club
Austin, TX
DESCRIPTION: UDS

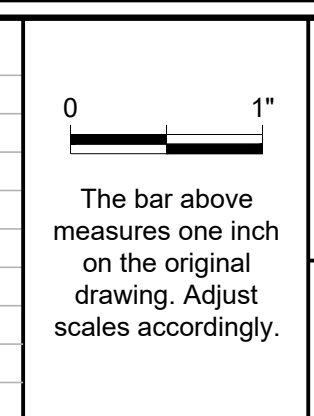
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DESIGNED: DYODS	DRAWN: DYODS	
CHECKED:	APPROVED:	
SHEET No.: D4		

PERMIT DOCUMENTS



mwm Design Group
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TSRE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

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DETENTION POND DETAILS

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01
546
21 OF 26

File: Y:\863-01_WHL_Athletic_Club\CAD_Sheets\542 Detention Pond Details.dwg 22:34

LANDSCAPE NOTES

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL OVERHEAD AND UNDERGROUND UTILITIES (INCLUDING THOSE PROPOSED WITH THIS PROJECT, I.E. IRRIGATION, WASTEWATER, WATER, STORM SEWER, GAS, TELECOM, FIBER OPTIC, ELECTRIC, ETC.) PRIOR TO STARTING WORK.
2. INFORMATION PROVIDED ON THIS PLAN IS GENERAL IN NATURE; DIMENSIONS, AREAS, AND DISTANCES ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO BIDDING. DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.
3. THE CONTRACTOR IS TO THOROUGHLY FAMILIARIZE HIM/HERSELF WITH ALL PLANS, SPECIFICATIONS AND THE SITE PRIOR TO BIDDING. FAILURE TO DO SO WILL NOT REDUCE THE CONTRACTOR'S OBLIGATION TO PERFORM THE WORK AS DESCRIBED FOR THE PRICE BID.
4. QUANTITIES SHOWN ARE INTENDED TO ASSIST CONTRACTORS IN EVALUATING THEIR OWN TAKE OFFS AND ARE NOT GUARANTEED AS ACCURATE REPRESENTATIONS OF REQUIRED MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS BID QUANTITIES AND IS REQUIRED TO REFLECT THE DESIGN INTENT.
5. ALL PLANT MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, OR EQUIVALENT
6. NO SUBSTITUTIONS OF PLANT MATERIAL LOCATIONS, SPECIES OR SIZE WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT. ALL PLANT MATERIALS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. AS PART OF THE BASE BID, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL LANDSCAPE MAINTENANCE AS INDICATED IN THE PROJECT SPECIFICATIONS (INCLUDING, BUT NOT LIMITED TO MOWING, WATERING, REPLACEMENT OF UNACCEPTABLE, DISEASED OR DEAD PLANTS, ETC.) AND WEED CONTROL UNTIL FINAL ACCEPTANCE BY OWNER.
8. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL TO BE ALIVE AND BE IN A HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION OF THE ENTIRE PROJECT OR OTHER DATE(S) ESTABLISHED BY THE LANDSCAPE ARCHITECT, OR OWNER, EXCEPT AS MAY RESULT FROM NEGLIGENCE OR DAMAGE BY THE OWNER, DAMAGE BY OTHERS OR UNUSUAL PHENOMENA BEYOND THE CONTRACTOR'S CONTROL.
9. CONTRACTOR SHALL REPLACE ALL DEAD, AND/OR UNHEALTHY PLANT MATERIALS AND/OR PLANT MATERIALS THAT HAVE PARTIALLY DIED PURSUANT TO THE CONDITION OF THE WARRANTY AT NO EXPENSE TO THE OWNER. DEAD MATERIALS MUST BE REPLACED WITHIN 10 BUSINESS DAYS PER TECHNICAL PROVISIONS. RE-WARRANT REPLACEMENT PLANTS FOR AN ADDITIONAL ONE YEAR UNDER THE SAME TERMS AS THE ORIGINAL WARRANTY. PLANT MATERIALS USED FOR REPLACEMENT SHALL BE THE SAME SPECIES, SIZE AND SHAPE.
10. ALL PLANTS SHALL BE HEALTHY, VIGOROUS AND REPRESENTATIVE OF THE SPECIES SPECIFIED. ALL PLANTS SHALL BE WELL BRANCHED, PROPORTIONED, AND FREE OF ALL INSECTS, DISEASES, BARK BRUISES, SCRAPES, CRACKED BRANCHES AND PHYSICAL DAMAGE. PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO PLANT MATERIALS WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL SHALL BE REMOVED AT TIME OF PLANTING, AS SHOWN ON DETAILS.
11. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
12. ALL PLANTS AND STAKES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED.
13. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
14. INSTALLATION OF LANDSCAPE SHALL BE PERFORMED BY A QUALIFIED LANDSCAPE INSTALLER WITH A MINIMUM OF FIVE YEARS CONTINUOUS EXPERIENCE OF INSTALLING LANDSCAPE PLANTINGS OF SIMILAR SIZE AND SCOPE.
15. CONTRACTOR SHALL PROVIDE MAINTENANCE FOR LANDSCAPE & IRRIGATION SYSTEM FOR 12 MONTHS FOLLOWING FINAL ACCEPTANCE OF ENTIRE PROJECT.
16. LANDSCAPE MATERIALS SHALL BE LOCATED SO AS NOT TO OBSTRUCT VISUAL OR PHYSICAL ACCESS TO FIRE HYDRANTS. ALL LANDSCAPE MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH UTILITY COMPANY REQUIREMENTS AT TRANSFORMERS, METERS, OVERHEAD LINES, ETC. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
17. EXECUTE ALL LANDSCAPING AND REVEGETATION PRIOR TO REQUEST FOR CERTIFICATE OF OCCUPANCY, FINAL INSPECTION OR AS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER. HOWEVER, NO PLANT MATERIALS SHALL BE INSTALLED BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE LANDSCAPE ARCHITECT, OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. FULLY PREPARE ALL LANDSCAPE BEDS (INCLUDING IRRIGATION) PRIOR TO INSTALLATION OF LANDSCAPE PLANTS.
18. SITE STOCKPILED TOPSOIL MAY BE USED IF IT HAS BEEN DEEMED ACCEPTABLE IN QUALITY AND APPROVED BY LANDSCAPE ARCHITECT.
19. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
20. THE LANDSCAPE CONTRACTOR SHALL PROVIDE AN IRRIGATION SYSTEM FULLY COMPLIANT WITH TCEQ REQUIREMENTS AND COMPLIANT WITH THE LANDSCAPE IRRIGATION NOTES AND CONTRACT SPECIFICATIONS.

LANDSCAPE IRRIGATION NOTES

- AUTOMATIC IRRIGATION SYSTEMS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS. THESE REQUIREMENTS SHALL BE NOTED ON THE SITE DEVELOPMENT PERMIT AND SHALL BE IMPLEMENTED AS PART OF THE LANDSCAPE INSPECTION:
1. A NEW COMMERCIAL AND MULTI-FAMILY IRRIGATION SYSTEM MUST BE DESIGNED AND INSTALLED SO THAT:
 - (A) THERE IS NOT DIRECT OVERSPRAY ONTO NON-IRRIGATED AREAS;
 - (B) THE SYSTEM DOES NOT INCLUDE SPRAY IRRIGATION ON AREAS LESS THAN SIX (6) FEET WIDE (SUCH AS MEDIANS, BUFFER STRIPS, AND PARKING LOT ISLANDS)
 - (C) ABOVE-GROUND IRRIGATION EMISSION DEVICES ARE SET BACK AT LEAST SIX (6) INCHES FROM IMPERVIOUS SURFACES;
 - (D) THE IRRIGATION SYSTEM HAS A MASTER VALVE;
 - (E) CIRCUIT REMOTE CONTROL VALVES HAVE ADJUSTABLE FLOW CONTROLS;
 - (F) SERVICEABLE IN-HEAD CHECK VALVES ARE ADJACENT TO PAVED AREAS WHERE ELEVATION DIFFERENCES MAY CAUSE LOW HEAD DRAINAGE;
 - (G) THE IRRIGATION SYSTEM HAS A CITY- APPROVED WEATHER BASED CONTROLLER;
 - (H) AN AUTOMATIC RAIN SHUT-OFF DEVICE SHUTS OFF THE IRRIGATION SYSTEM AUTOMATICALLY AFTER NOT MORE THAN A ONE-HALF INCH (1/2") RAINFALL;
 - (I) ZONE VALVES AND CIRCUITS ARE SEPARATED BASED ON PLANT WATER REQUIREMENTS;
 - (J) AN IRRIGATION EMISSION DEVICE (SUCH AS SPRAY, ROTOR, OR DRIP EMITTER) DOES NOT EXCEED THE MANUFACTURER'S RECOMMENDED OPERATING PRESSURE; AND
 - (K) NO COMPONENT OF THE IRRIGATION SYSTEM DEVIATES FROM THE MANUFACTURER'S RECOMMENDED USE OF THE PRODUCT.
 2. THE MAXIMUM SPACING BETWEEN SPRAY OR ROTARY SPRINKLER HEADS MUST NOT EXCEED THE RADIUS OF THROW OF THE HEAD UNLESS MANUFACTURER OF THE SPRINKLER HEAD SPECIFICALLY RECOMMENDS A GREATER SPACING. THE RADIUS OF THROW IS DETERMINED BY REFERENCE TO THE MANUFACTURER'S SPECIFICATIONS FOR A SPECIFIC NOZZLE AT A SPECIFIC OPERATING PRESSURE.
 3. THE IRRIGATION INSTALLER SHALL DEVELOP AND PROVIDE AN AS-BUILT DESIGN PLAN AND WATER BUDGET TO THE CITY AT THE TIME THE FINAL PLUMBING INSPECTION IS PERFORMED. THE WATER BUDGET SHALL INCLUDE:
 - (A) A CHART CONTAINING ZONE NUMBERS, PRECIPITATION RATE, AND GALLONS PER MINUTE; AND
 - (B) THE LOCATION OF THE EMERGENCY IRRIGATION SYSTEM SHUT-OFF VALVE. A LAMINATED COPY OF THE WATER BUDGET SHALL BE PERMANENTLY INSTALLED INSIDE THE IRRIGATION CONTROLLER DOOR.
 4. IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT PLAN TO OWNER, OR OWNER'S DESIGNATED REPRESENTATIVE SHOWING ALL IRRIGATION COMPONENTS AND SIZE OF COMPONENTS, INCLUDING WATER PRESSURE, MAIN LINE, LATERAL LINES, VALVES, HEADS, BACKFLOW DEVICE, CONTROLLER, QUICK COUPLERS, ETC.
 5. COMPLY WITH ALL APPLICABLE TCEQ IRRIGATION RULES AND REGULATIONS.
 6. CONTRACTOR IS TO VERIFY PRESSURE AND WATER SUPPLY CHARACTERISTICS ARE ADEQUATE FOR THIS INSTALLATION. ANY DISCREPANCIES OR INADEQUACIES SHALL BE REPORTED TO THE OWNER IMMEDIATELY, BEFORE STARTING CONSTRUCTION. DESIGN PRESSURE IS 65 PSI AT 45 GMP.
 7. CONTRACTOR SHALL OBTAIN ALL PERMITS AND HANDLE ALL INSPECTIONS FOR THIS WORK AS REQUIRED BY LOCAL REGULATIONS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE PERMIT(S).
 8. VERIFY LOCATION OF CONTROLLER, WATER SUPPLY; SITE CONDITIONS MAY VARY. OPERABLE IRRIGATION EQUIPMENT (VALVES, QUICK COUPLERS, BFP, ETC.) SHALL BE INSTALLED SEPARATELY IN VALVE BOXES.
 9. ALL HEADS SHALL BE INSTALLED ON TRIPLE SWING JOINTS. HEADS SHALL BE NOT BE LOCATED CLOSER THAN 6" FROM PAVEMENT.
 10. ADJUST RADI AND SPRAY PATTERNS TO ELIMINATE OVERSPRAY ONTO BUILDINGS, SIDEWALKS, FENCES, DRIVEWAYS, ROADWAYS, ETC.
 11. ALL PAVEMENT CROSSINGS (LATERALS, WIRING, MAINLINE, ETC.) SHALL OCCUR WITHIN SLEEVES. INCLUDING SIDEWALKS, DRIVEWAYS, TRAILS, BIKE WAYS, ROADWAYS, ETC.
 12. PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL UTILITY COMPANIES THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES. IMMEDIATELY REPORT ANY BREAKAGES TO THE APPROPRIATE UTILITY COMPANY.
 13. THE CONTRACTOR IS TO INSTALL ALL SLEEVES IN SEQUENCE WITH OTHER CONSTRUCTION ACTIVITIES, AND WILL BE RESPONSIBLE FOR COORDINATING WITH OTHER SITE CONTRACTORS FOR THIS WORK. ADEQUATELY MARK THE LOCATIONS OF ALL SLEEVES AND PIPE CONNECTION POINTS TO EXISTING LINES.
 14. INSTALL THE MAIN LINE A MINIMUM OF 15" DEEP AND LATERAL LINES MIN. 12" DEEP.
 15. PROVIDE A NEW WATER PROOF TAG WITH CONTRACTOR'S NAME AND TELEPHONE NUMBER CLEARLY SHOWN AND SECURELY ATTACHED TO THE INSIDE OF THE CONTROLLER DOOR.

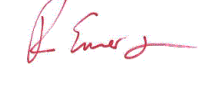
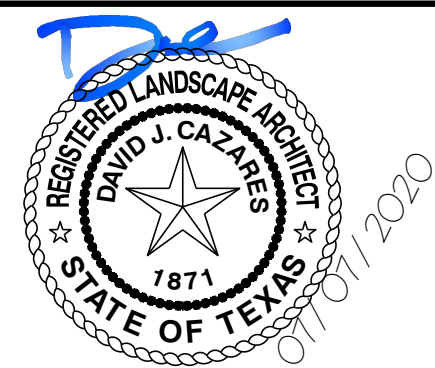
TREE MITIGATION/REPLACEMENT LIST											
TREE TAG	TREE TYPE	SIZE (INCHES)				TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT TREE TYPE	PROPOSED TREE CALIPER (INCHES)
16910	Chinaberry	9.00				9.0	0%	-	Invasive		
16912	Ligustrum	8.00	6.0			11.0	0%	-	Invasive		
20033	Chinaberry	9.00				9.0	0%	-	Invasive		
20038	Chinaberry	15.00				15.0	0%	-	Invasive		
20047	Live Oak	12.00				12.0	25%	3.00	Construction	MEXICAN SYCAMORE	4.00
20088	Live Oak	14.00				14.0	25%	3.50	Construction	MEXICAN SYCAMORE	4.00
20089	Live Oak	11.00				11.0	0%	-	Construction		
20093	Live Oak	18.00				18.0	25%	4.50	Construction	CEDAR ELM	6.00
20094	Live Oak	12.00				12.0	25%	3.00	Construction	MEXICAN SYCAMORE	4.00
20095	Live Oak	10.00				10.0	0%	-	Construction		
20096	Live Oak	11.00				11.0	0%	-	Construction		
20097	Live Oak	9.00				9.0	0%	-	Construction		
20098	Live Oak	12.00				12.0	25%	3.00	Construction	MEXICAN SYCAMORE	4.00
20099	Live Oak	15.00				15.0	25%	3.75	Construction	TEXAS ASH	4.00
20100	Live Oak	12.00				12.0	25%	3.00	Construction	TEXAS ASH	4.00
20101	Live Oak	13.00				13.0	25%	3.25	Construction	TEXAS ASH	4.00
20102	Live Oak*	19.00	17.0			27.5	25%	6.00	Construction	CEDAR ELM	6.00
20103	Live Oak	20.00				20.0	25%	5.00	Construction	CEDAR ELM	6.00
20105	Cedar Elm	15.00				15.0	25%	3.75	Construction	CEDAR ELM	4.00
20106	Live Oak	10.00				10.0	0%	-	Construction		
20107	Live Oak	12.00				12.0	25%	3.00	Construction	CEDAR ELM	4.00
20108	Live Oak	7.00				7.0	0%	-	Construction		
20109	Live Oak	12.00				12.0	25%	3.00	Construction	TEXAS ASH	4.00
						TOTAL INCHES REMOVED	296.50	TOTAL REPLACEMENT INCHES REQUIRED	33.75	TOTAL REPLACEMENT INCHES PROVIDED	40.00

* Only replacing 6" maximum, as allowed by code

NOTE: TOTAL CALIPER OF REPLACEMENT INCHES MUST EQUAL REQUIRED INCHES AS MEASURED AT DBH.

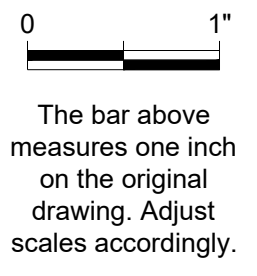
PLANT LIST			
COMMON NAME	BOTANICAL NAME	SIZE	COMMENT
CEDAR ELM	ULMUS CRASSIFOLIA	6" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
CEDAR ELM	ULMUS CRASSIFOLIA	4" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
MEXICAN SYCAMORE	PLATANUS MEXICANA	4" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
TEXAS ASH	FRAXINUS TEXENSIS	4" CALIPER	12' HT., SINGLE TRUNK, B&B OR CONTAINER/BOX
BLUE MISTFLOWER	CONOCLINIUM COELESTINUM	1 GAL	EQUAL SPACING
BIG MUHLY	MUHLENBERGIA LINDHEIMERI	1 GAL	EQUAL SPACING
OBEDIENT PLANT	PHYSOSTEGIA VIRGINIANA	1 GAL	EQUAL SPACING
BERMUDA SOD	CYNODON DACTYLON	SOD	AS SHOWN

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mwm Design Group
 305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734
 TBAE FIRM REGISTRATION NO.: 1452
 TBRE FIRM REGISTRATION NO.: F-14316
 TBLPS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



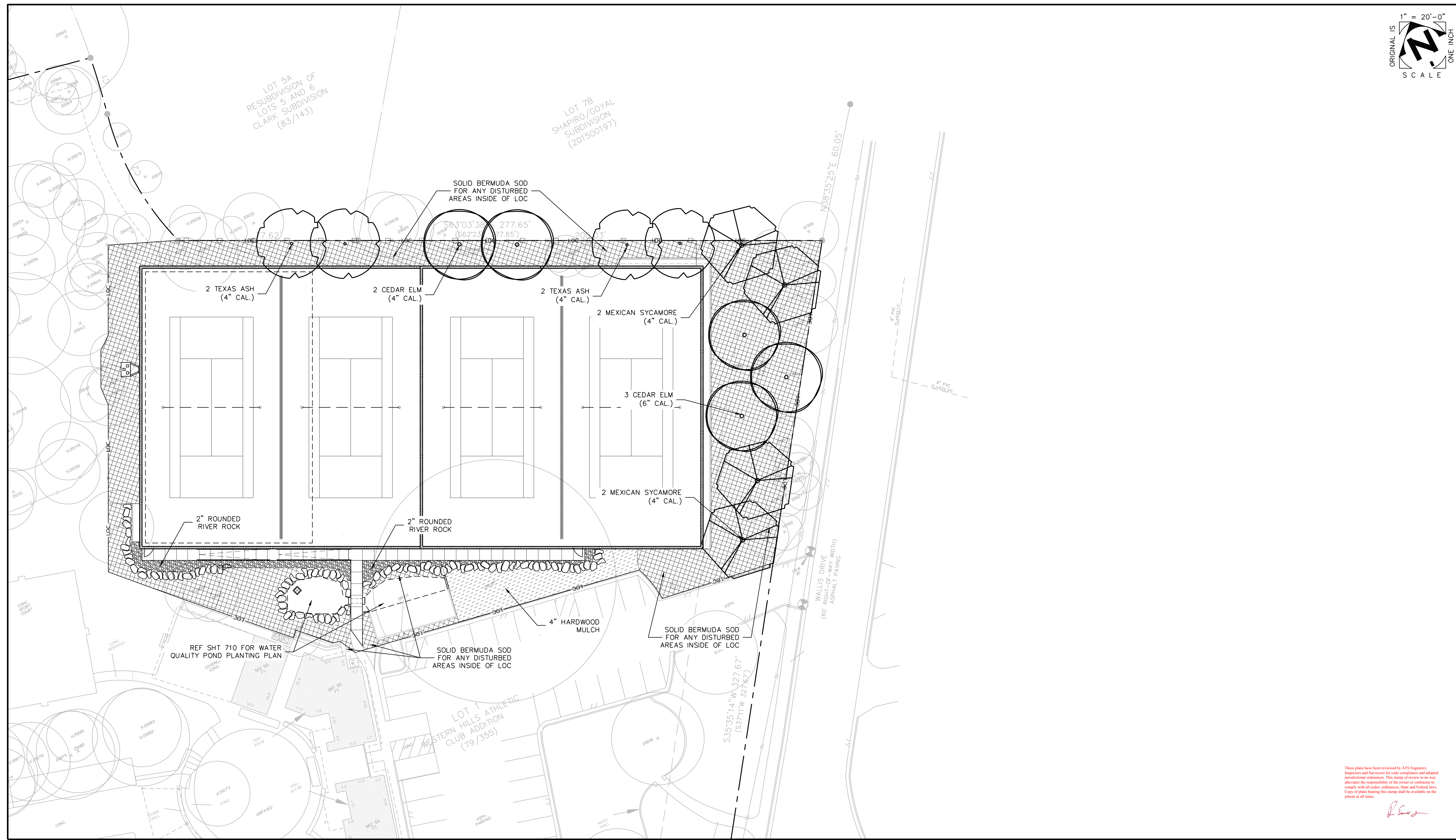
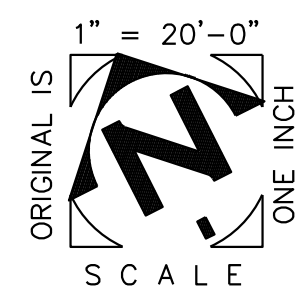
LANDSCAPE NOTES & CALCULATIONS

Western Hills Athletic Club
 4801 Rollingwood Drive
 Austin, TX 78746

PLOTTED: 7/7/2020
 JOB NO: 863-01

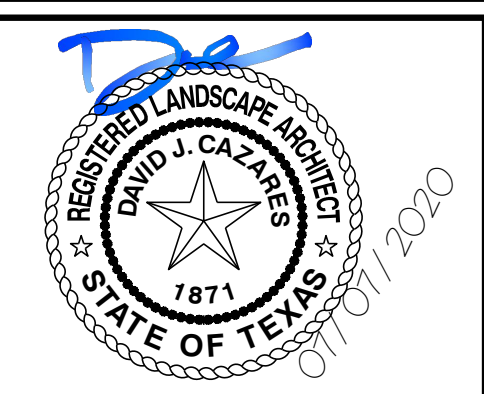
700

22 OF 26



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[Signature]

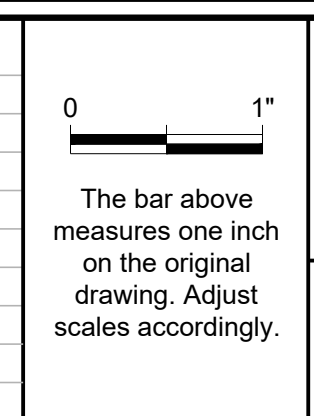


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TBAE FIRM REGISTRATION NO.: 1452
TBRF FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



LANDSCAPE PLAN

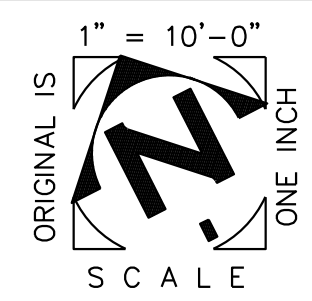
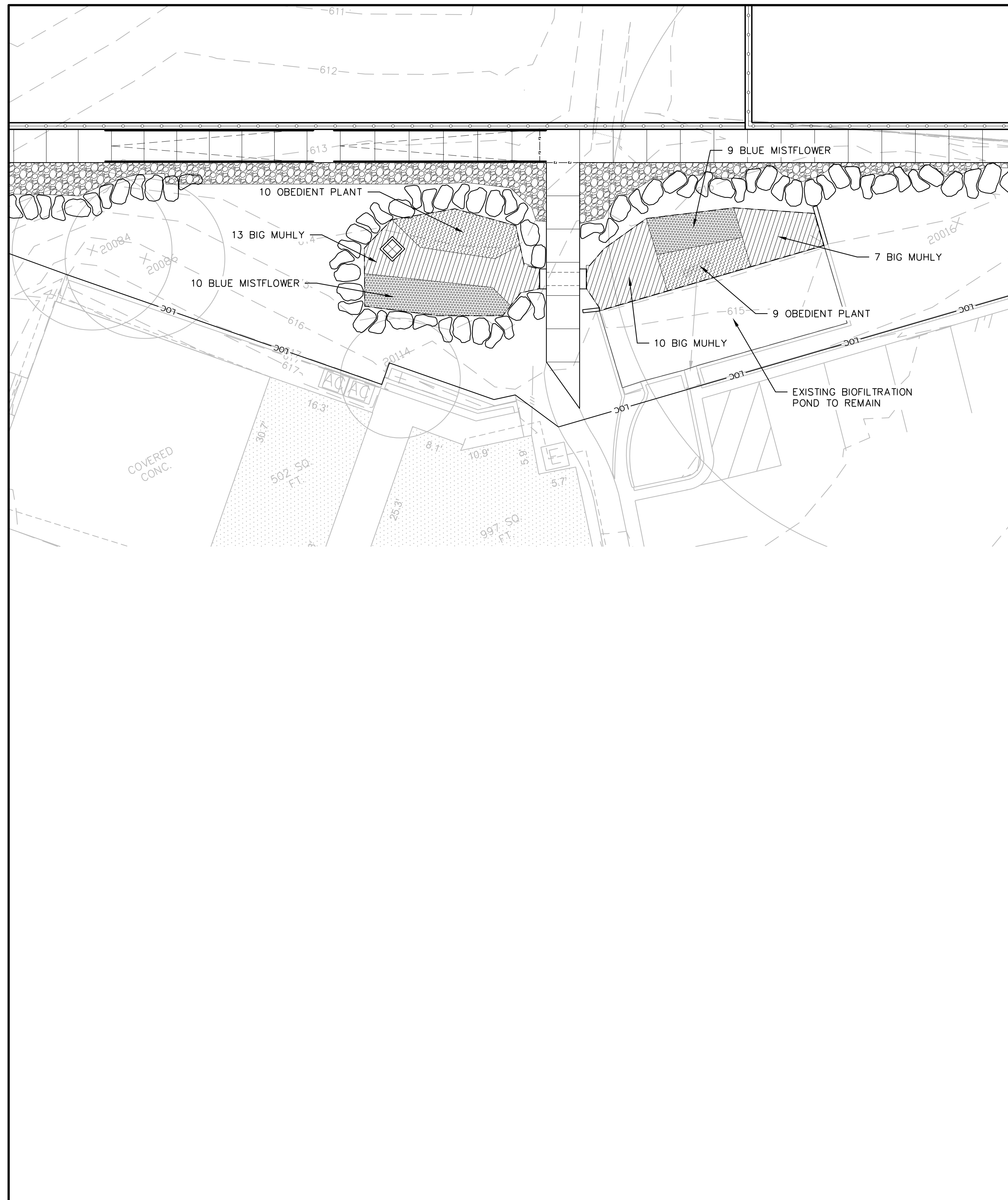
Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

701

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File: Y:\863-01_WHP_Athletic_Club\CAD\Sheets\701_Landscape_Plan.dwg 22.34



RAIN GARDEN CALCULATIONS			6-Apr-20
Biofiltration Pond Bottom	660	sf	
Biofiltration Pond Landscape		Size	Quantity
Obedient Plant		1 Gallon	19
Blue Mistflower		1 Gallon	19
Big Muhly		1 Gallon	30
			68

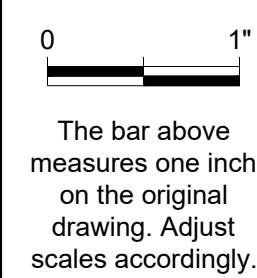
These plans have been reviewed by ATS Engineers, Inc. for compliance with applicable codes and standards. This stamp of review in no way alleviates the responsibility of the owner or contractor to comply with all codes, ordinances, State and Federal laws. Copy of plans bearing this stamp shall be available on the jobsite at all times.

[Signature]



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TBAE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



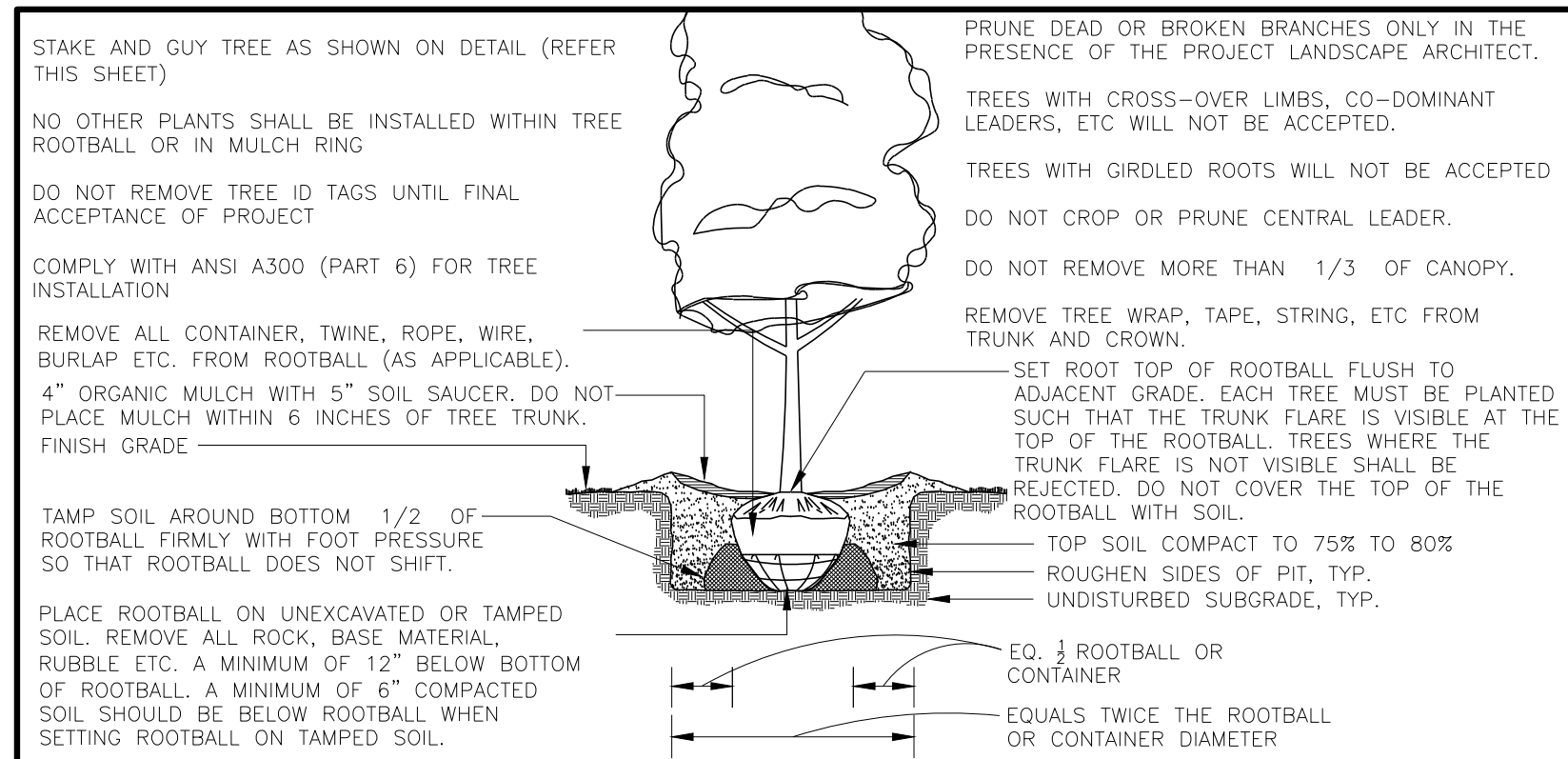
WATER QUALITY POND PLANTING PLAN

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

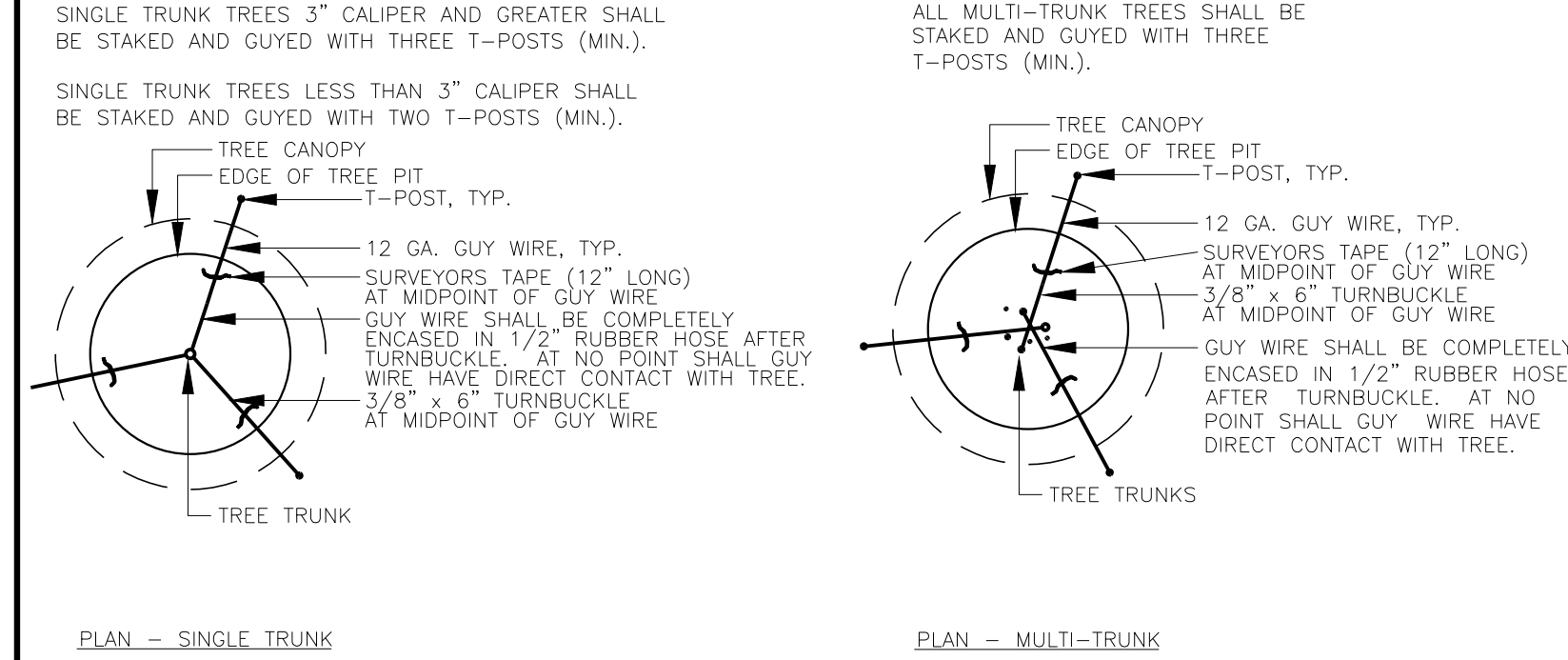
PLOTTED: 7/7/2020
JOB NO: 863-01

710

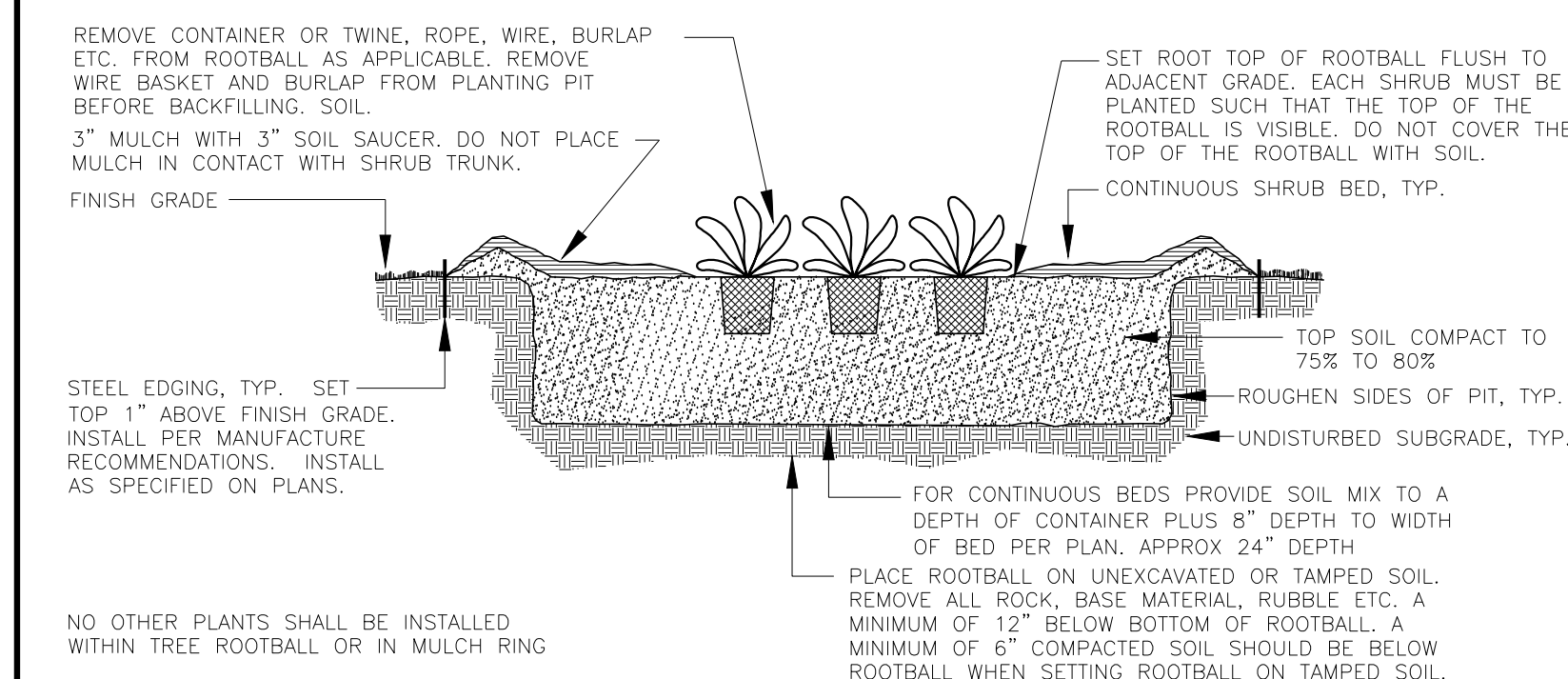
24 OF 26



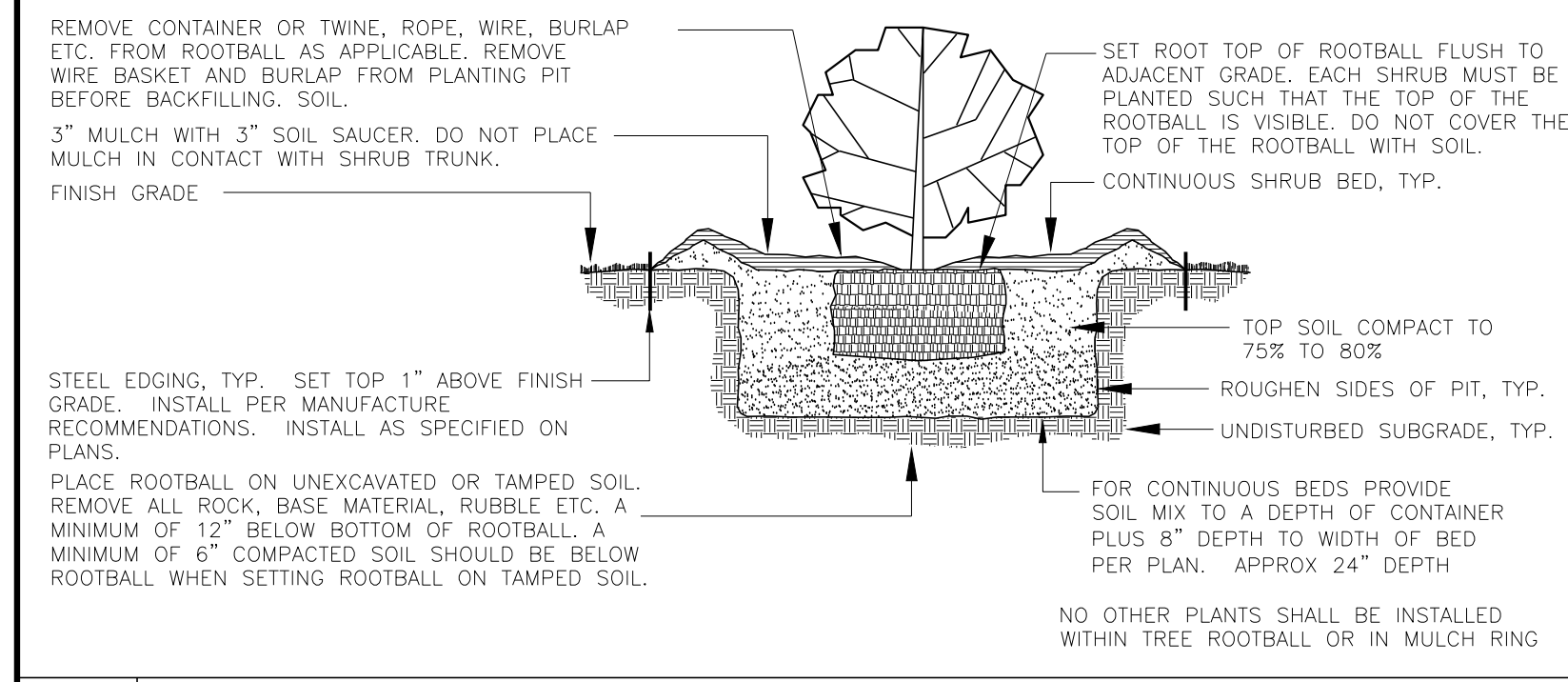
1 TREE PLANTING DETAIL (SINGLE TRUNK) GREATER THAN 3" CALIPER NO SCALE



2 TREE STAKING DETAIL NO SCALE



3 PERENNIAL / GROUNDCOVER PLANTING DETAIL NO SCALE



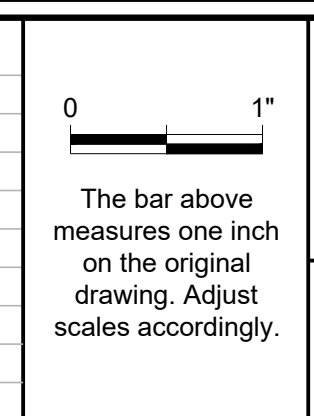
4 SHRUB PLANTING DETAIL NO SCALE

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 p: 512.453.0767
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TBAE FIRM REGISTRATION NO.: 1452
 TBRE FIRM REGISTRATION NO.: F-14116
 TBPLS FIRM REGISTRATION NO.: 10065000

NO.	DATE	DESCRIPTION	BY



LANDSCAPE DETAILS

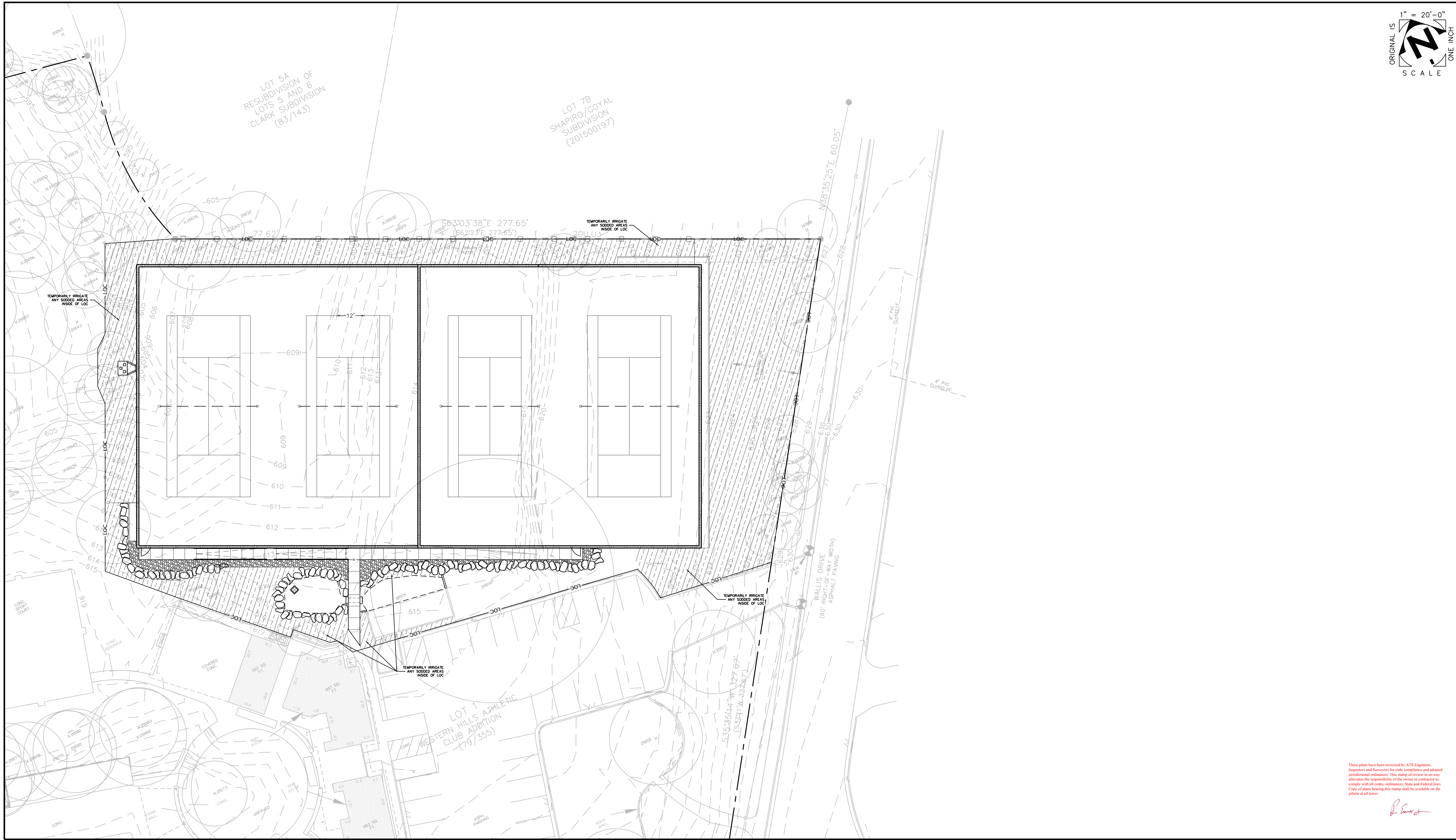
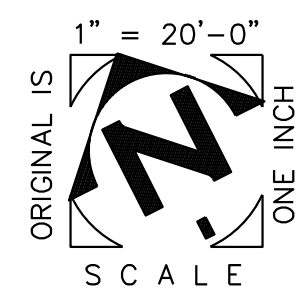
Western Hills Athletic Club
 4801 Rollingwood Drive
 Austin, TX 78746

PLOTTED: 7/7/2020
 JOB NO: 863-01

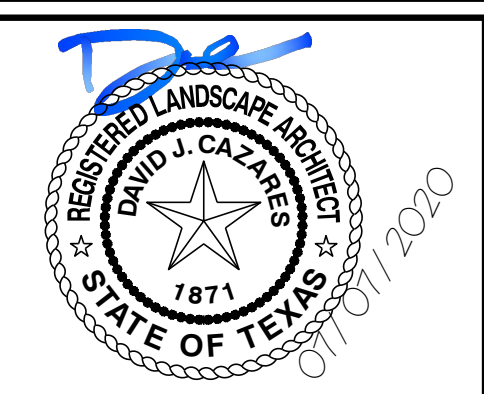
791

25 OF 26

File: Y:\863-01_WHL_Athletic_Club\CAD\Sheets\791_Landscape_Details.dwg 22x34



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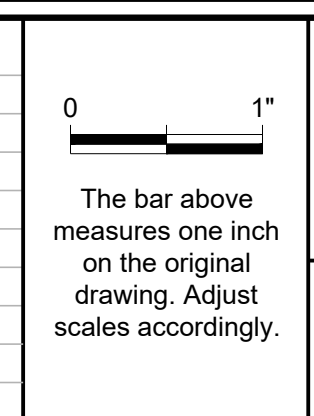


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Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TSRE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

NO.	DATE	DESCRIPTION	BY



IRRIGATION PLAN

Western Hills Athletic Club
4801 Rollingwood Drive
Austin, TX 78746

PLOTTED: 7/7/2020
JOB NO: 863-01

801

26 OF 26

File: Y:\863-01_WHP_Athletic_Club\CAD\Sheets\801_Irrigation_Plan.dwg 22x34

DIVISION 2. - ETHICS

Sec. 2-151. - Definitions.

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

City board or commission means a city commission, committee, board, task force, or other city body, the members of which are appointed by the city council.

Conference means a conference, seminar, educational gathering, meeting to discuss city business or other fact-finding meeting authorized under this division.

Employee means any person employed by the city, including individuals employed on a part-time basis, but does not include any independent contractor hired by the city.

Official or city official means the mayor, members of the city council, the city secretary, the head of any city department, members of city boards or commissions, and any other person appointed or authorized by the city council to represent or act on behalf of the city in any capacity, whether such person is salaried, hired, appointed or elected.

Region means the geographic area designated as Region 10 by the Texas Municipal League.

Sec. 2-152. - Purpose.

This division is adopted to establish guidelines for high ethical standards in official conduct by city officials and employees and to instill a high level of public confidence in the professionalism, integrity and commitment to the public interest of those in the public service of the city.

Sec. 2-153. - Policy.

It is the policy of the city that all city officials and employees conduct themselves in a manner consistent with sound business and ethical practices, that the public interest is always considered in conducting city business, and that the appearance of impropriety must be avoided to ensure public confidence.

Sec. 2-154. - Conflicts of interest prohibited.

- (a) ~~All Officials of the City are required to comply the requirements of Texas Local Government Code Chapter 171 and any amendments or successors thereto. No city official or employee may transact any business in his official capacity with or participate in any discussion, vote or decision affecting any person with whom he has a personal business relationship or business entity in which he has any personal pecuniary interest, whether direct or indirect; provided, however, that participation involving a nonprofit organization, entity or other charitable association will not constitute a conflict of interest under this provision.~~
- (b) No city official or employee may utilize information obtained in his official capacity for his personal pecuniary benefit, whether direct or indirect.
- (c) No city official or employee may represent, directly or indirectly, ~~himself or~~ any other person, business entity, group or interest before the body of which he is a member, ~~except in matters of purely public concern and when doing so without compensation.~~
- (d) ~~An employee must notify his supervisor in writing of any personal pecuniary interest that he has in a matter that would be affected by an exercise of discretionary authority by the employee. Upon receipt of such notice, his supervisor will reassign the matter. An official or employee may not participate in discussions, a vote or a decision on a matter in which he has a personal pecuniary interest, whether direct or indirect, or when his participation is prohibited by law.~~

~~Sec. 2-155. —Disclosure of conflicts required.~~

Commented [CZ1]: May delete if you move the reimbursement section.

Commented [CZ2]: Shouldn't these individuals be classified as City Employees?

Commented [CZ3]: What does this mean? Isn't everything that comes before the city a "public concern".

- ~~(a) The city may not contract for the purchase of services or property with an entity in which a city official has a substantial interest, except as provided by law.~~
- ~~(b) Each city official has a continuing duty to disclose the existence of any personal pecuniary interest which he has or subsequently obtains in any matter that would be affected by a vote or decision of the body of which he is a member. In the event of a conflict of interest, a city official must, prior to any vote or decision on the matter:

 - ~~(1) File an affidavit with the city secretary stating the nature and extent of his conflict of interest;~~
 - ~~(2) Leave the dais and abstain from participation in the discussion of the matter in which he has a conflict of interest; and~~
 - ~~(3) If the matter is discussed in executive session, he may not be physically present for the discussion.~~~~
- ~~(c) An employee must notify his supervisor in writing of any personal pecuniary interest that he has in a matter that would be affected by an exercise of discretionary authority by the employee. Upon receipt of such notice, his supervisor will reassign the matter.~~

Sec. 2-156. - Gifts.

A city official or employee may not accept a benefit, as defined in V.T.C.A., Penal Code § 36.01, from any person or entity if acceptance of the benefit is prohibited by V.T.C.A., Penal Code § 36.08 or other state statute; provided, however, that nothing in this section will be deemed to prohibit an official or employee from accepting a benefit permitted under V.T.C.A., Penal Code § 36.10.

Commented [CZ4]: TLGC Section 21.031 provides automatic removal for conviction.

Sec. 2-157. - Bribery.

A city official or employee may not intentionally or knowingly offer, confer or agree to confer, or solicit, accept or agree to accept any benefit, as defined in V.T.C.A., Penal Code § 36.01, as consideration, when to do so is prohibited by V.T.C.A., Penal Code § 36.02 or other state statute.

Commented [CZ5]: TLGC Section 21.031 provides automatic removal for conviction.

Sec. 2-158. - Prohibition against serving as surety.

No city official or employee may serve as a surety on any official bond required of an official or employee of the city, or as a surety for any person or entity doing business with the city.

Sec. 2-159. - Travel and expense policy.

Commented [CZ6]: Not an ethics issue. Should be moved to another location in the Code.

- (a) *Purpose.* The city council wishes to establish an equitable and reasonable policy to cover the reimbursement of officials and employees for necessary and reasonable expenses incurred in the conduct of authorized city business. All requests for reimbursement will be subject to requirements of documentation and reasonableness.
- (b) *Verified statement of expenditures.* Any official or employee desiring reimbursement for travel or other business expenses must present a verified statement of the expenses to the city secretary, together with supporting receipts and invoices.
- (c) *Travel within region.* All reasonable and necessary travel by officials and employees for conduct of city business including travel for attendance at conferences within the region or which costs less than \$50.00 per person is authorized, subject to compliance with applicable city policies and procedures. Reimbursement for the use of private automobiles by officials and employees will be made monthly upon submission to the city secretary of a verified statement of expenditures in accordance with subsection (b) of this section. Mileage will be reimbursed at the maximum nontaxable rate allowed by the Internal Revenue Service at the time the mileage is incurred. Officials and employees will report the shortest distance between destinations for all travel.
- (d) *Travel out of region.* Travel out of the region by officials and employees for conduct of city business, including attendance at conferences, is permissible if the travel is authorized in advance by the city council and does not exceed applicable budgetary limitations. Reimbursement for out-of-region travel

will be based on the most economical means reasonably available. When private automobiles are used for out-of-region travel, reimbursement will be made on the basis of actual mileage traveled or tourist-class airfare, whichever is less. If no air service is available to the authorized destination, actual mileage will be allowed. Mileage will be reimbursed at the maximum nontaxable rate allowed by the Internal Revenue Service at the time the mileage is incurred. The difference in cost between first-class air accommodations and tourist-class air accommodations will not be eligible for reimbursement, except when tourist-class air accommodations are not reasonably available. If a rental car is used for city business, officials and employees must choose the optional insurance coverage, and the city will pay for the insurance cost.

- (e) *Registration, hotel and meals expenses.* Registration expenses for approved conferences will be reimbursed in full. Costs of a hotel room for all conferences, not exceeding the official conference rate, if available, will be eligible for reimbursement, including the cost of the room the night before the commencement of the conference and the night of the final meeting day of the conference. Reasonable costs of meals on travel dates and meals that are not provided by the conference will be reimbursed for the official or employee only.
- (f) *Other expenses.* Officials and employees engaged in necessary and authorized travel in the conduct of city business will be reimbursed for the actual cost of reasonable, necessary and documented expenses, including the cost of telephone, parking, tolls, taxis, and reasonable gratuities.
- (g) *Limitations.* The following items of travel-related expenses will not be reimbursed:
 - (1) Any item of a personal nature;
 - (2) Entertainment;
 - (3) Social activities;
 - (4) Alcoholic beverages;
 - (5) Expenses of a spouse, children, or guests; and
 - (6) Laundry and valet service.
- (h) *Report to council.* All members of the city council who participate in a conference must submit a written report to the council summarizing the information obtained by the member at the next city council meeting following the date the member returns from the conference.

Sec. 2-160. - Complaint procedure.

- (a) All complaints or allegations of a violation of this article against an official or employee must be in writing, sworn to before a notary public, and filed of record with the mayor, or, if the complaint is against the mayor, with any councilmember. A complaint must describe in detail the acts complained of and the specific sections of this article alleged to have been violated. Neither general complaints lacking in specific detail nor anonymous complaints will be sufficient to invoke the procedures set forth in this article.
- (b) Complaints under this division will be filed, heard and considered in accordance with the procedures set forth in V.T.C.A., Local Government Code § 21.021 et seq.
- (c) The council may consider a complaint in executive session subject to the individual's right under the Texas Open Meetings Act to a public hearing, but any final action, decision, or vote with regard to about any matter will be made in a meeting that is open to the public.

Sec. 2-161. - Violations.

- (a) By councilmembers. The failure of any city councilmember to comply with one or more of the applicable standards of conduct set forth in this article will constitute grounds for reprimand or removal from office in accordance with V.T.C.A., Local Government Code § 21.021 et seq. Any reprimand or removal will require the affirmative vote of three city councilmembers. ~~Any city~~

Commented [CZ7]: Who determines this? Seems pretty subjective to me.

Commented [CZ8]: This section of the TLG is only applicable to the removal of a Council Member from Office.

Commented [CZ9]: This isn't necessary as it is a recitation of the laws. However, if you want to keep it in the ordinance, I recommend adding the underlined language.

Commented [CZ10]: How does this work with violations of the stated criminal codes?

Commented [CZ11]: This needs to be completely rewritten with direction from City Council. Only a District Judge may remove a Council Member.

~~councilmember removed from office because of violations of this article will be ineligible to hold city office or employment for two years after removal, in addition to any other penalty provided by law.~~

(b) *By other officials and employees.*

- (1) The failure of a city official, other than a councilmember, to comply with one or more of the standards of conduct set forth in this article will constitute grounds for expulsion, reprimand, or removal from office to the extent allowed by law.
- (2) The failure of a city employee to comply with one or more of the standards of conduct set forth in this article will constitute grounds for reprimand, suspension or termination to the extent allowed by law. All disciplinary action and any appeals therefrom will be in conformity with applicable procedures established in the personnel policies of the city and state law.
- (3) Any city official other than a councilmember removed from office or employee dismissed from employment because of violation of this article will be ineligible to hold city office or employment for two years after removal, in addition to any other penalty provided by law.

~~Sec. 2-162. -- City attorney opinions.~~

~~Any councilmember may request that the city attorney issue an opinion with regard to whether a specific interest or relationship constitutes a conflict of interest under this division. Any councilmember or city official acting in reasonable reliance on any such city attorney opinion will not be construed to have violated this division due to such interest or relationship.~~

Commented [CZ12]: I add this as a reminder that certain individuals have rights under the Texas Government Code as it relates to their removal. See Tex. Loc. Gov't Code Sections 22.071 and 22.077.

LOCAL GOVERNMENT CODE

TITLE 5. MATTERS AFFECTING PUBLIC OFFICERS AND EMPLOYEES

SUBTITLE C. MATTERS AFFECTING PUBLIC OFFICERS AND EMPLOYEES OF MORE THAN
ONE TYPE OF LOCAL GOVERNMENTCHAPTER 171. REGULATION OF CONFLICTS OF INTEREST OF OFFICERS OF
MUNICIPALITIES, COUNTIES, AND CERTAIN OTHER LOCAL GOVERNMENTS

Sec. 171.001. DEFINITIONS. In this chapter:

(1) "Local public official" means a member of the governing body or another officer, whether elected, appointed, paid, or unpaid, of any district (including a school district), county, municipality, precinct, central appraisal district, transit authority or district, or other local governmental entity who exercises responsibilities beyond those that are advisory in nature.

(2) "Business entity" means a sole proprietorship, partnership, firm, corporation, holding company, joint-stock company, receivership, trust, or any other entity recognized by law.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987.

Sec. 171.002. SUBSTANTIAL INTEREST IN BUSINESS ENTITY. (a) For purposes of this chapter, a person has a substantial interest in a business entity if:

(1) the person owns 10 percent or more of the voting stock or shares of the business entity or owns either 10 percent or more or \$15,000 or more of the fair market value of the business entity; or

(2) funds received by the person from the business entity exceed 10 percent of the person's gross income for the previous year.

(b) A person has a substantial interest in real property if the interest is an equitable or legal ownership with a fair market value of \$2,500 or more.

(c) A local public official is considered to have a substantial interest under this section if a person related to the official in the first degree by consanguinity or affinity, as determined under Chapter 573, Government Code, has a substantial interest under this section.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Amended by Acts 1989, 71st Leg., ch. 1, Sec. 40(a), eff. Aug. 28, 1989; Acts 1991, 72nd

ch. 561, Sec. 37, eff. Aug. 26, 1991; Acts 1995, 74th Leg., ch. 76, Sec. 5.95(27), eff. Sept. 1, 1995; Acts 1997, 75th Leg., ch. 849, Sec. 1, eff. Sept. 1, 1997.

Sec. 171.0025. APPLICATION OF CHAPTER TO MEMBER OF HIGHER EDUCATION AUTHORITY. This chapter does not apply to a board member of a higher education authority created under Chapter 53, Education Code, unless a vote, act, or other participation by the board member in the affairs of the higher education authority would provide a financial benefit to a financial institution, school, college, or university that is:

- (1) a source of income to the board member; or
- (2) a business entity in which the board member has an interest distinguishable from a financial benefit available to any other similar financial institution or other school, college, or university whose students are eligible for a student loan available under Chapter 53, Education Code.

Added by Acts 1989, 71st Leg., ch. 1, Sec. 41(a), eff. Aug. 28, 1989.

Sec. 171.003. PROHIBITED ACTS; PENALTY. (a) A local public official commits an offense if the official knowingly:

- (1) violates Section 171.004;
- (2) acts as surety for a business entity that has work, business, or a contract with the governmental entity; or
- (3) acts as surety on any official bond required of an officer of the governmental entity.

(b) An offense under this section is a Class A misdemeanor.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Amended by Acts 1989, 71st Leg., ch. 1, Sec. 40(a), eff. Aug. 28, 1989.

Sec. 171.004. AFFIDAVIT AND ABSTENTION FROM VOTING REQUIRED. (a) If a local public official has a substantial interest in a business entity or in real property, the official shall file, before a vote or decision on any matter involving the business entity or the real property, an affidavit stating the nature and extent of the interest and shall abstain from further participation in the matter if:

- (1) in the case of a substantial interest in a business entity the action on the matter will have a special economic effect on the business entity that is distinguishable from the effect on the public; or

(2) in the case of a substantial interest in real property, it reasonably foreseeable that an action on the matter will have a special economic effect on the value of the property, distinguishable from its effect on the public.

(b) The affidavit must be filed with the official record keeper of the governmental entity.

(c) If a local public official is required to file and does file an affidavit under Subsection (a), the official is not required to abstain from further participation in the matter requiring the affidavit if a majority of the members of the governmental entity of which the official is a member is composed of persons who are likewise required to file and who do file affidavits of similar interests on the same official action.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Amended by Acts 1989, 71st Leg., ch. 1, Sec. 40(a), eff. Aug. 28, 1989.

Sec. 171.005. VOTING ON BUDGET. (a) The governing body of a governmental entity shall take a separate vote on any budget item specifically dedicated to a contract with a business entity in which a member of the governing body has a substantial interest.

(b) Except as provided by Section 171.004(c), the affected member may not participate in that separate vote. The member may vote on a final budget if:

- (1) the member has complied with this chapter; and
- (2) the matter in which the member is concerned has been

resolved.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Renumbered from Sec. 171.006 and amended by Acts 1989, 71st Leg., ch. 1, Sec. 40(a), eff. Aug. 28, 1989.

Sec. 171.006. EFFECT OF VIOLATION OF CHAPTER. The finding by a court of a violation under this chapter does not render an action of the governing body voidable unless the measure that was the subject of an action involving a conflict of interest would not have passed the governing body without the vote of the person who violated the chapter.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Renumbered from Sec. 171.008 by Acts 1989, 71st Leg., ch. 1, Sec. 40(a), eff. Aug. 28, 1989.

Sec. 171.007. COMMON LAW PREEMPTED; CUMULATIVE OF MUNICIPAL PROVISIONS. (a) This chapter preempts the common law of conflict of interests as applied to local public officials.

(b) This chapter is cumulative of municipal charter provisions and municipal ordinances defining and prohibiting conflicts of interests.

Amended by Acts 1989, 71st Leg., ch. 1, Sec. 40(a), eff. Aug. 28, 1989.

Sec. 171.009. SERVICE ON BOARD OF CORPORATION FOR NO COMPENSATION. It shall be lawful for a local public official to serve as a member of the board of directors of private, nonprofit corporations when such officials receive no compensation or other remuneration from the nonprofit corporation or other nonprofit entity.

Added by Acts 1989, 71st Leg., ch. 475, Sec. 2, eff. Aug. 28, 1989.

Sec. 171.010. PRACTICE OF LAW. (a) For purposes of this chapter, a county judge or county commissioner engaged in the private practice of law has a substantial interest in a business entity if the official has entered a court appearance or signed court pleadings in a matter relating to that business entity.

(b) A county judge or county commissioner that has a substantial interest in a business entity as described by Subsection (a) must comply with this chapter.

(c) A judge of a constitutional county court may not enter a court appearance or sign court pleadings as an attorney in any matter before:

- (1) the court over which the judge presides; or
- (2) any court in this state over which the judge's court exercises appellate jurisdiction.

(d) Upon compliance with this chapter, a county judge or commissioner may practice law in the courts located in the county where the county judge or commissioner serves.

Added by Acts 2003, 78th Leg., ch. 227, Sec. 21, eff. Sept. 1, 2003; Acts 2003, 78th Leg., ch. 1206, Sec. 3, eff. June 20, 2003.

Sec. 2-57. - Presiding officer; mayor pro tempore; council liaisons.

(a) The mayor shall be the presiding officer of the city council and shall conduct all meetings of the city council to permit full and free discussion by the members of the council and the public in accordance with the rules established by this article.

(b) At the first meeting following each regular city election, or as soon thereafter as practicable, the city council shall elect one councilmember to serve as mayor pro tempore for a term of one year and to perform the duties of the mayor in the event of the mayor's failure, inability or refusal to act. If the mayor and the mayor pro tempore are absent, any councilmember may be appointed to preside at a meeting.

(c) The mayor shall not have the power to ~~veto or modify any ordinance adopted by the city council and may not, in any way, neutralize or~~ negate any action of the city council except as otherwise authorized by Texas Local Government Code Chapter 53. The mayor may not bind or obligate the city in any way without prior authorization from the city council. The mayor may not vote on any motion considered by the council, unless necessary to break a tie.

(d) At the first meeting following each regular council election, or as soon thereafter as practicable, the city council shall elect at least one and no more than two councilmembers, which may be the mayor, to serve as council liaison for each of the following:

- (1) Police and courts;
- (2) Utility commission;
- (3) Streets and roadways;
- (4) Park commission;
- (5) Personnel;
- (6) Budget;
- (7) Planning and zoning commission;
- (8) Board of adjustment; and
- (9) Rollingwood Community Development Corporation.

Each council liaison shall serve, at the council's pleasure, as the council's representative for negotiations ~~on~~ and formulation of council approved policies, ~~for council action~~, in connection with their assigned issue or subject. No council liaison may bind or obligate the city in any way, in reference to the assigned subject matter, without prior authorization from the city council.



City of Rollingwood, Texas

Policy for Waiving or Reducing of Fees and/or Requirements in Conjunction with the Removal of Diseased, Dead, or Immediately Dangerous Protected Trees

Purpose:

According to Subdivision 2 of the City's Code of Ordinances, Section 107-375 the city arborist has the authority to waive or reduce the fees and/or requirements for removal of a protected tree that is diseased, dead or poses an imminent or immediate threat to persons or property due to natural causes only.

Code Sections:

Sec. 107-375. – Conditions for approval

- (e) -If the city arborist determines that an applicant provides sufficient documentation from a certified arborist that a protected tree is diseased, dead, or poses an imminent or immediate threat to persons or property due to natural causes only, and also not as a result of intentional bleaching, root cutting, or pruning more than 25% of the canopy, and that the certified arborist has documented at least two prior actions performed by the certified arborist within the previous three years to mitigate the condition, the city arborist may reduce or waive the replacement tree requirement for the protected tree and reduce or waive the tree replacement application fee.
- (f) -If a protected tree is required to be removed under section 18-209, the city arborist may reduce or waive the replacement tree requirement for the protected tree and reduce or waive the tree replacement application fee.

Sec. 18-209. - Abatement required; abatement by city.

- (a) It is unlawful for any person within the city to permit any nuisance tree as defined in section 22-208 to remain on their property within the city, and any such person must, within 30 calendar days after being notified of the presence of a nuisance tree on their property, remove and properly dispose of the tree or provide treatment to control the disease afflicting the tree that constitutes a public nuisance. If any person, after notice given under section 22-216, fails to remove and properly dispose of any tree that constitutes a public nuisance, the city may do the work necessary to abate the nuisance, or may pay for the work to be done, and may charge the expenses to the owner of the property. These charges will be a personal liability of the owner. In addition, the city council may assess all expenses incurred by the city against the real property on which the work is done.



(b) If any work mentioned in subsection (a) of this section is done by the city, a statement of the expenses incurred in doing the work will be completed, certified and filed with the county clerk, stating the description of the property upon which such work was done, the character of work and the name of the owners of the property, whereupon the city shall have a lien upon the land or premises upon which the work was done for the amount of the expenditures, together with interest on that amount at the rate of ten percent per annum from the date the expenses were incurred until paid.

(c) To recover these expenditures and interest, suit may be instituted and a personal judgment obtained against the owner of the property and recovery and foreclosure may be had in the name of the city against the owner in any court having jurisdiction. The statement of expenditures made and filed, or a certified copy, will be prima facie proof of the amount expended.

Policy:

If a property owner demonstrates that they have taken steps to save a diseased tree by the following methods, a variance to the replacement policy as outlined under the Residential Tree Canopy ~~Protection Management~~ Ordinance shall be considered.

- 1. At least two (2) documented treatment or protocol actions performed by a certified arborist within the last three (3) years;
- 2. Documentation that a protected tree is diseased, dead, or poses an imminent or immediate threat to persons or property due to natural causes only, and also not as a result of intentional bleaching, root cutting, or pruning more than 25% of the canopy;
- ~~2-3. _____~~ Receipt or statement showing proof of services rendered by a certified arborist; and/or
- ~~3. Documentation that the tree was declared a nuisance and ordered to be abated by the City.~~

The variance options are as follows:

- 1. Upon demonstration of the requirements, the ~~cCity aArborist or City staff~~ may reduce the tree removal fee to \$35.00 per tree, and cap the required replacement diameter at 2".
- 2. If the requestor adheres to the 6-inch replacement requirement, the City Arborist may waive the tree removal fee.
- _____
- _____
- _____If the requestor has already paid the removal fee for the current calendar year, the ~~cCity aArborist~~ may waive the tree removal fee.
- 3. _____
- _____If the property owner has documentation that the tree was declared a nuisance and ordered to be abated by the city, they do not need to provide the required documentation listed above and the

If the tree was deemed a nuisance and abatement was required by the City, the ~~Ccity aArborist~~ may waive the tree removal fee.

CITY OF ROLLINGWOOD
STANDARD PROFESSIONAL SERVICES AGREEMENT

THE STATE OF TEXAS §
 §
TRAVIS COUNTY §

This Professional Services Agreement (“Agreement”) is made and entered by and between the City of Rollingwood, Texas, (the “City”) a general law municipality organized and existing under the laws of the State of Texas, and Sean Garretson of Pegasus Planning.

Section 1. Duration. This Agreement shall become effective upon execution by the City and shall remain in effect until satisfactory completion of the Scope of Work unless terminated as provided for in this Agreement.

Section 2. Scope of Work.

(A) Professional shall perform the Services as more particularly described in the Scope of Work attached hereto as Exhibit “A”. The work as described in the Scope of Work constitutes the “Project”. Unless otherwise provided in the Scope of Work, the anticipated submittal of all Project deliverables is immediately upon completion of the Project.

(B) The Quality of Services provided under this Agreement shall be performed with the professional skill and care ordinarily provided by competent Professionals practicing in the same or similar locality and under the same or similar circumstances and professional license, and as expeditiously as is prudent considering the ordinary professional skill and care of a competent Professional holding the same professional license.

(C) The Professional shall perform its Services for the Project in compliance with all statutory, regulatory and contractual requirements now or hereafter in effect as may be applicable to the rights and obligations set forth in the Agreement.

(D) The Professional may rely upon the accuracy of reports and surveys provided to it by the City except when defects should have been apparent to a reasonably competent professional or when it has actual notice of any defects in the reports and surveys.

Section 3. Compensation.

(A) The Professional shall be paid in the manner set forth in Exhibit “B” and as provided herein.

(B) *Billing Period:* The Professional may submit monthly, or less frequently, an invoice for payment based on the estimated completion of the described tasks and approved work schedule. Subject to Chapter 2251, Texas Government Code (the “Prompt Payment Act”), payment is due

within thirty (30) days of the City's receipt of the Professional's invoice. Interest on overdue payments shall be calculated in accordance with the Prompt Payment Act.

(C) *Reimbursable Expenses*: Any and all reimbursable expenses related to the Project shall be included in the scope of services (Exhibit A) and accounted for in the total contract amount in Exhibit "B". If these items are not specifically accounted for in Exhibit A they shall be considered subsidiary to the total contract amount.

Section 4. Changes to the Project Work; Additional Work.

(A) *Changes to Work*: Professional shall make such revisions to any work that has been completed as are necessary to correct any errors or omissions as may appear in such work. If the City finds it necessary to make changes to previously satisfactorily completed work or parts thereof, the Professional shall make such revisions if requested and as directed by the City and such services will be considered as additional work and paid for as specified under following paragraph.

(B) *Additional Work*: The City retains the right to make changes to the Scope of Work at any time by a written order. Work that is clearly not within the general description of the Scope of Work and does not otherwise constitute special services under this Agreement must be approved in writing by the City by supplemental agreement before the additional work is undertaken by the Professional. If the Professional is of the opinion that any work is beyond that contemplated in this Agreement and the Scope of Work governing the project and therefore constitutes additional work, the Professional shall promptly notify the City of that opinion, in writing. If the City agrees that such work does constitute additional work, then the City and the Professional shall execute a supplemental agreement for the additional work and the City shall compensate the Professional for the additional work on the basis of the rates contained in the Scope of Work. If the changes deduct from the extent of the Scope of Work, the contract sum shall be adjusted accordingly. All such changes shall be executed under the conditions of the original Agreement. Any work undertaken by Professional not previously approved as additional work shall be at risk of the Professional.

Section 5. Time of Completion.

The prompt completion of the services under the Scope of Work is critical to the City. Unnecessary delays in providing services under a Scope of Work shall be grounds for dismissal of the Professional and termination of this Agreement without any or further liability to the City other than a prorated payment for necessary, timely, and conforming work done by Professional prior to the time of termination. The Scope of Work shall provide, in either calendar days or by providing a final date, a time of completion prior to which the Professional shall have completed all tasks and services described in the Scope of Work.

Section 6. Insurance.

Before commencing work under this Agreement, Professional shall obtain and maintain the liability insurance provided for in attached Exhibit C throughout the term of this Agreement and thereafter as required herein.

In addition to the insurance provided for in Exhibit C, Professional shall maintain the following limits and types of insurance:

Professional Liability Insurance: professional errors and omissions liability insurance with limits of liability not less than \$1,000,000 per occurrence covering all work performed by the Professional, its employees, sub-contractors, or independent contractors. If this coverage can only be obtained on a “claims made” basis, the certificate of insurance must clearly state coverage is on a “claims made” basis and coverage must remain in effect for at least two years after final payment with the Professional continuing to furnish the City certificates of insurance.

Workers Compensation Insurance: The Professional shall carry and maintain during the term of this Agreement, workers compensation and employers liability insurance meeting the requirements of the State of Texas on all the Professional’s employees carrying out the work involved in this contract.

General Liability Insurance: The Professional shall carry and maintain during the term of this Agreement, general liability insurance on a per occurrence basis with limits of liability not less than \$1,000,000 for each occurrence and for fire damage. For Bodily Injury and Property Damage, coverage shall be no less than \$1,000,000. As a minimum, coverage for Premises, Operations, Products and Completed Operations shall be \$1,000,000. This coverage shall protect the public or any person from injury or property damages sustained by reason of the Professional or its employees carrying out the work involved in this Agreement. The general aggregate shall be no less than \$1,000,000.

Automobile Liability Insurance: Professional shall carry and maintain during the term of this Agreement, automobile liability insurance with either a combined limit of at least \$1,000,000 per occurrence for bodily injury and property damage or split limits of at least \$1,000,000 for bodily injury per person per occurrence and \$1,000,000 for property damage per occurrence. Coverage shall include all owned, hired, and non-owned motor vehicles used in the performance of this contract by the Professional or its employees.

Subcontractor: In the case of any work sublet, the Professional shall require subcontractor and independent contractors working under the direction of either the Professional or a subcontractor to carry and maintain the same workers compensation and liability insurance required of the Professional.

Qualifying Insurance: The insurance required by this Agreement shall be written by non-assessable insurance company licensed to do business in the State of Texas and currently rated "B+" or better by the A.M. Best Companies. All policies shall be written on a “per occurrence basis” and not a “claims made” form. Evidence of such insurance shall be attached as Exhibit “C”.

Section 7. Miscellaneous Provisions.

(A) *Subletting.* The Professional shall not sublet or transfer any portion of the work under this Agreement or any Scope of Work issued pursuant to this Agreement unless specifically approved in writing by the City, which approval shall not be unreasonably withheld. Subcontractors shall comply with all provisions of this Agreement and the applicable Scope of Work. The approval or acquiescence of the City in the subletting of any work shall not relieve the Professional of any responsibility for work done by such subcontractor.

(B) *Ownership of Documents.* Upon completion or termination of this Agreement, all documents prepared by the Professional or furnished to the Professional by the City shall be delivered to and become the property of the City. All drawings, charts, calculations, plans, specifications and other data, including electronic files and raw data, prepared under or pursuant to this Agreement shall be made available, upon request, to the City without restriction or limitation on the further use of such materials PROVIDED, HOWEVER, THAT SUCH MATERIALS ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY THE CITY OR OTHERS. ANY REUSE WITHOUT PRIOR VERIFICATION OR ADAPTATION BY THE PROFESSIONAL FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT THE CITY'S SOLE RISK AND WITHOUT LIABILITY TO THE PROFESSIONAL. Where applicable, Professional shall retain all pre-existing proprietary rights in the materials provided to the City but shall grant to the City a non-exclusive, perpetual, royalty-free license to use such proprietary information solely for the purposes for which the information was provided. The Professional may, at Professional's expense, have copies made of the documents or any other data furnished to the City under or pursuant to this Agreement. The Professional may utilize all of its work product and deliverables for archival, marketing and promotional purposes.

(C) *Professional's Seal.* To the extent that the Professional has a professional seal it shall be placed on all documents and data furnished by the Professional to the City and shall remain as placed in all iterations and uses of the documents and data. All work and services provided under this Agreement will be performed in a good and workmanlike fashion and shall conform to the accepted standards and practices of the Professional's industry. The plans, specifications and data provided by Professional shall be adequate and sufficient to enable those performing the actual work to perform the work as and within the time contemplated by the City and Professional. The City acknowledges that Professional has no control over the methods or means of work nor the costs of labor, materials or equipment. Unless otherwise agreed in writing, any estimates of costs by the Professional are for informational purposes only and are not guarantees.

(D) *Compliance with Laws.* The Professional shall comply with all federal, state and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts, administrative, or regulatory bodies in any matter affecting the performance of this Agreement, including, without limitation, worker's compensation laws, minimum and maximum salary and wage statutes and regulations, and licensing laws and regulations. When required, the Professional shall furnish the

City with satisfactory proof of compliance.

(E) *Independent Contractor*. Professional acknowledges that Professional is an independent contractor of the City and is not an employee, agent, official or representative of the City. Professional shall not represent, either expressly or through implication, that Professional is an employee, agent, official or representative of the City. Income taxes, self-employment taxes, social security taxes and the like are the sole responsibility of the Professional.

(F) *Non-Collusion*. Professional represents and warrants that Professional has not given, made, promised or paid, nor offered to give, make, promise or pay any gift, bonus, commission, money or other consideration to any person as an inducement to or in order to obtain the work to be provided to the City under this Agreement. Professional further agrees that Professional shall not accept any gift, bonus, commission, money, or other consideration from any person (other than from the City pursuant to this Agreement) for any of the services performed by Professional under or related to this Agreement. If any such gift, bonus, commission, money, or other consideration is received by or offered to Professional, Professional shall immediately report that fact to the City and, at the sole option of the City, the City may elect to accept the consideration for itself or to take the value of such consideration as a credit against the compensation otherwise owing to Professional under or pursuant to this Agreement.

(G) *Force Majeure*. If the performance of any covenant or obligation to be performed hereunder by any party is delayed as a result of circumstances which are beyond the reasonable control of such party (which circumstances may include, without limitation, pending litigation, acts of God, war, acts of civil disobedience, fire or other casualty, shortage of materials, adverse weather conditions [such as, by way of illustration and not of limitation, severe rain storms or below freezing temperatures, or tornados] labor action, strikes or similar acts, moratoriums or regulations or actions by governmental authorities), the time for such performance shall be extended by the amount of time of such delay, but no longer than the amount of time reasonably occasioned by the delay. The party claiming delay of performance as a result of any of the foregoing force majeure events shall deliver written notice of the commencement of any such delay resulting from such force majeure event not later than seven (7) days after the claiming party becomes aware of the same, and if the claiming party fails to so notify the other party of the occurrence of a force majeure event causing such delay and the other party shall not otherwise be aware of such force majeure event, the claiming party shall not be entitled to avail itself of the provisions for the extension of performance contained in this subsection.

(H) In the case of any conflicts between the terms of this Agreement and wording contained within the Scope of Services, this Agreement shall govern. The Scope of Services is intended to detail the technical scope of services, fee schedule, and contract time only and shall not dictate Agreement terms.

Section 8. Termination.

(A) This Agreement may be terminated:

(1) By the mutual agreement and consent of both Professional and City;

(2) By either party, upon the failure of the other party to fulfill its obligations as set forth in either this Agreement or a Scope of Work issued under this Agreement;

(3) By the City, immediately upon notice in writing to the Professional, as consequence of the failure of Professional to perform the services contemplated by this Agreement in a timely or satisfactory manner;

(4) By the City, at will and without cause upon not less than thirty (30) days written notice to the Professional.

(B) If the City terminates this Agreement pursuant to Section 5 or subsection 8(A)(2) or (3), above, the Professional shall not be entitled to any fees or reimbursable expenses other than the fees and reimbursable expenses then due and payable as of the time of termination and only then for those services that have been timely and adequately performed by the Professional considering the actual costs incurred by the Professional in performing work to date of termination, the value of the work that is nonetheless usable to the City, the cost to the City of employing another Professional to complete the work required and the time required to do so, and other factors that affect the value to the City of the work performed at time of termination. In the event of termination that is not the fault of the Professional, the Professional shall be compensated for all basic, special, and additional services actually performed prior to termination, together with any reimbursable expenses then due.

Section 9. Indemnification. Professional shall indemnify, defend and hold harmless the City of Rollingwood, Texas and its officials, employees and agents (collectively referred to as “Indemnitees”) and each of them from and against all loss, costs, penalties, fines, damages, claims, expenses (including reasonable attorney’s fees) or liabilities (collectively referred to as “Liabilities”) by reason of any injury to or death of any person or damage to or destruction or loss of any property arising out of, resulting from, or in connection with (i) the performance or non-performance of Services contemplated by this Agreement but only to the extent caused by the negligent acts, errors or omissions, intentional torts, intellectual property infringement, or a failure to pay a sub-contractor or supplier committed by Professional or Professional’s agent, consultant under contract, or another entity over which Professional exercises control (whether active or passive) of Professional or its employees, agents or sub-contractors (collectively referred to as “Professional”) (ii) the failure of Professional to comply with any of the paragraphs herein or the failure of Professional to conform to statutes, ordinances, or other regulations or requirements of any governmental authority, federal, state or local, in connection with the performance of this Agreement. Professional expressly agrees to indemnify and hold harmless the Indemnitees, or any one of them, from and against all liabilities which may be asserted by an employee or former employee of Professional, or any of its sub-contractors, as provided above, for which Professional’s liability to such employee or former employee would otherwise be limited to payments under State Workers’ Compensation or similar laws. Nothing herein shall require Professional to indemnify, defend, or hold

harmless any Indemnitee for the Indemnitee's own negligence or willful misconduct. Any and all indemnity provided for in this Agreement shall survive the expiration of this Agreement and the discharge of all other obligations owed by the parties to each other hereunder and shall apply prospectively not only during the term of this Agreement but thereafter so long as any liability could be asserted in regard to any acts or omissions of Professional in performing Services under this Agreement.

For Professional Liability Claims, Professional shall be liable for reasonable defense costs incurred by Indemnitees but only after final adjudication and to the extent and percent that Professional or Professional's agents are found negligent or otherwise at fault. As used in this Agreement, final adjudication includes any negotiated settlement and release of claims, without limitation as to when a negotiated settlement and release of claims occurs.

Section 10. Notices. Any notice required or desired to be given from one party to the other party to this Agreement shall be in writing and shall be given and shall be deemed to have been served and received (whether actually received or not) if (i) delivered in person to the address set forth below; (ii) deposited in an official depository under the regular care and custody of the United States Postal Service located within the confines of the United States of America and sent by certified mail, return receipt requested, and addressed to such party at the address hereinafter specified; or (iii) delivered to such party by courier receipted delivery. Either party may designate another address within the confines of the continental United States of America for notice, but until written notice of such change is actually received by the other party, the last address of such party designated for notice shall remain such party's address for notice.

Section 11. No Assignment. Neither party shall have the right to assign that party's interest in this Agreement without the prior written consent of the other party.

Section 12. Severability. If any term or provision of this Agreement is held to be illegal, invalid or unenforceable, the legality, validity or enforceability of the remaining terms or provisions of this Agreement shall not be affected thereby, and in lieu of each such illegal, invalid or unenforceable term or provision, there shall be added automatically to this Agreement a legal, valid or enforceable term or provision as similar as possible to the term or provision declared illegal, invalid or unenforceable.

Section 13. Waiver. Either City or the Professional shall have the right to waive any requirement contained in this Agreement that is intended for the waiving party's benefit, but, except as otherwise provided herein, such waiver shall be effective only if in writing executed by the party for whose benefit such requirement is intended. No waiver of any breach or violation of any term of this Agreement shall be deemed or construed to constitute a waiver of any other breach or violation, whether concurrent or subsequent, and whether of the same or of a different type of breach or violation.

Section 14. Governing Law; Venue. This Agreement and all of the transactions contemplated

herein shall be governed by and construed in accordance with the laws of the State of Texas. The provisions and obligations of this Agreement are performable in Travis County, Texas such that exclusive venue for any action arising out of this Agreement shall be in Travis County, Texas.

Section 15. Paragraph Headings; Construction. The paragraph headings contained in this Agreement are for convenience only and shall in no way enlarge or limit the scope or meaning of the various and several paragraphs hereof. Both parties have participated in the negotiation and preparation of this Agreement and this Agreement shall not be construed either more or less strongly against or for either party.

Section 16. Binding Effect. Except as limited herein, the terms and provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, devisees, personal and legal representatives, successors and assigns.

Section 17. Gender. Within this Agreement, words of any gender shall be held and construed to include any other gender, and words in the singular number shall be held and construed to include the plural, unless the context otherwise requires.

Section 18. Counterparts. This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, and all of which shall constitute but one and the same instrument.

Section 19. Exhibits. All exhibits to this Agreement are incorporated herein by reference for all purposes wherever reference is made to the same.

Section 20. Entire Agreement. It is understood and agreed that this Agreement contains the entire agreement between the parties and supersedes any and all prior agreements, arrangements or understandings between the parties relating to the subject matter. No oral understandings, statements, promises or inducements contrary to the terms of this Agreement exist. This Agreement cannot be changed or terminated orally.

Section 21. Relationship of Parties. Nothing contained in this Agreement shall be deemed or construed by the parties hereto or by any third party to create the relationship of principal and agent or of partnership or of joint venture or of any association whatsoever between the parties, it being expressly understood and agreed that no provision contained in this Agreement nor any act or acts of the parties hereto shall be deemed to create any relationship between the parties other than the relationship of independent parties contracting with each other solely for the purpose of effecting the provisions of this Agreement.

Section 22. Right To Audit. City shall have the right to examine and audit the books and records of Professional with regards to the work described in Exhibit A, or any subsequent changes, at any reasonable time upon reasonable notice. Such books and records will be maintained in accordance with generally accepted principles of accounting and will be adequate to enable determination of: (1) the substantiation and accuracy of any payments required to be made under this Agreement; and (2)

compliance with the provisions of this Agreement.

23. Dispute Resolution. In accordance with the provisions of Subchapter I, Chapter 271, TEX. LOCAL GOV'T CODE, the parties agree that, prior to instituting any lawsuit or other proceeding arising from a dispute under this agreement, the parties will first attempt to resolve the dispute by taking the following steps: (1) A written notice substantially describing the nature of the dispute shall be delivered by the dissatisfied party to the other party, which notice shall request a written response to be delivered to the dissatisfied party not less than 5 days after receipt of the notice of dispute. (2) If the response does not reasonably resolve the dispute, in the opinion of the dissatisfied party, the dissatisfied party shall give notice to that effect to the other party whereupon each party shall appoint a person having authority over the activities of the respective parties who shall promptly meet, in person, in an effort to resolve the dispute. (3) If those persons cannot or do not resolve the dispute, then the parties shall each appoint a person from the highest tier of managerial responsibility within each respective party, who shall then promptly meet, in person, in an effort to resolve the dispute.

24. Disclosure of Business Relationships/Affiliations; Conflict of Interest Questionnaire. Professional represents that it is in compliance with the applicable filing and disclosure requirements of Chapter 176 of the Texas Local Government Code and Chapter 2252 of the Texas Government Code.

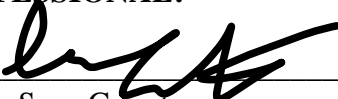
25. Certificate of Interested Parties (TEC Form 1295). For contracts needing City Council approval, or any subsequent changes thereto requiring City Council approval, the City may not accept or enter into a contract until it has received from the Consultant a completed, signed, and notarized TEC Form 1295 complete with a certificate number assigned by the Texas Ethics Commission (“TEC”), pursuant to Texas Government Code § 2252.908 and the rules promulgated thereunder by the TEC. The Consultant understands that failure to provide said form complete with a certificate number assigned by the TEC may prohibit the City from entering into this Agreement. Pursuant to the rules prescribed by the TEC, the TEC Form 1295 must be completed online through the TEC’s website, assigned a certificate number, printed, signed and notarized, and provided to the City. The TEC Form 1295 must be provided to the City prior to the award of the contract. The City does not have the ability to verify the information included in a TEC Form 1295, and does not have an obligation or undertake responsibility for advising Consultant with respect to the proper completion of the TEC Form 1295.

EXECUTED, by the City on this the 8th day of June, 2020.

CITY:

By: Michael R. Dyson
 Name: Michael R. Dyson
 Title: Mayor, City of Rollingwood

PROFESSIONAL:

By: 
 Name: Sean Garretson
 Title: President, Pegasus

ADDRESS FOR NOTICE:

CITY

City of Rollingwood
 Attn: City Administrator
 403 Nixon Drive
 Rollingwood, TX 78746

PROFESSIONAL

Pegasus Planning and Development
 Attn: Sean Garretson
 5501a Balcones Blvd, #222
 Austin, TX 78731

with a copy to:

Denton Navarro Rocha Bernal & Zech, P.C.
 Attn: Rollingwood City Attorney
 2500 W. William Cannon Dr., Suite 609
 Austin, Texas 78745-5320

Exhibit "A"
Scope of Services

Exhibit A: Scope of Work

The project will be carried out over five phases and six months (24 weeks) which are detailed below and on the preliminary project schedule:

- Phase One - Discovery: Work Planning (2 weeks)
- Phase Two - Learning: Listening and Input (6 weeks)
- Phase Three - Synthesis: Findings, Implications, Planning (6 weeks)
- Phase Four - Consensus: Strategy and Implementation (4 weeks)
- Phase Five - Land Development Code Modification (6 weeks)

The primary area for proposed modifications of the Future Land Use Map within Rollingwood will be along the main commercial corridor – FM 2244 or Bee Caves Road. This will be where Pegasus will prepare various scenarios of redevelopment potential and demonstrate the fiscal impacts of these changes. Pegasus will examine other areas where the community seeks minor code modifications, and solicit feedback.

Phase One - Discovery: Work Planning (2 weeks)

This short two-week phase is primarily focused on finalizing contracts between Pegasus and the City of Rollingwood, including finalizing the scope of work, project schedule, and community input opportunities.

Deliverables: Final contract, Scope of Work, and Project Schedule

Phase Two - Learning: Listening and Input (6 weeks)

This six-week phase is focused on obtaining community and stakeholder input. Pegasus shall prepare initial presentations which will include (among other items), the Fiscal Analysis of the current Zoning Map/Code. This phase will include a heavy focus on educating stakeholders on the current fiscal health, having conversations about what this means, and how the City will grow to a point of full build out. At this time, we do not know what type of “social distancing” is going to be in place during this phase of the project. Pegasus is therefore prepared to do all community input sessions via tele-conferencing and through online polling/surveying.

Deliverables: PowerPoint Presentation, memo to Council summarizing community input, Fiscal Analysis and areas of concern/consideration

Phase Three - Synthesis: Findings, Implications, Planning (6 weeks)

This six-week phase of the project consists of creating the draft Comprehensive Plan including the creation of the Future Land Use Map and analyzing the fiscal impacts of the FLUM. Pegasus will prepare two scenarios and then do one final scenario of the FLUM. Pegasus will hold a work session with the Planning Commission and then another with Council.

Deliverables: PowerPoint Presentation to Planning Commission, draft of the Comprehensive Plan presented to Council and Planning Commission

Phase Four - Consensus: Strategy and Implementation (4 weeks)

This four-week phase is about getting the Comprehensive Plan and FLUM adopted. Pegasus will have one final presentation to Planning Commission who can recommend to Council for approval. We will hold the 1st reading with Council and solicit any further community feedback. We will edit the Comprehensive Plan before presenting it for a 2nd reading and adoption by City Council.

Deliverables: PowerPoint Presentation, final Comprehensive Plan and FLUM adopted

Phase Five - Land Development Code Modification (6 weeks)

The six-week phase of the project will focus on modifying Rollingwood's land development code (specifically the Zoning Map and Code). Pegasus will prepare an initial Zoning Map and Code that reflects the Comprehensive Plan. This will be presented to City staff and then the Planning Commission for their review and recommendation to Council. Pegasus will present the Code to Council for 1st reading, make any adjustments, then prepare the final Zoning Code for adoption at 2nd reading.

Deliverables: PowerPoint Presentation, memo to Council summarizing community input, Fiscal Analysis and areas of concern/consideration

Project Schedule

The scope of work described above will be accomplished over a 6-month period, including the final presentation and the acceptance of the Comprehensive Plan and Zoning Code Update by the City of Rollingwood. The following table illustrates the overall project schedule, which assumes a June 1st 2020 start date.

Rollingwood Comprehensive Plan		<i>Preliminary -- Subject to change based on Phase ONE Scoping</i>																								
PHASE	WEEKS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
ONE - Discovery: Work Planning																										
	Notification of selection																									
	Contract negotiation																									
	Identification of data + document needs																									
	"Notice to Proceed"																									
	Organizing teleconference to prepare for Trip 1																									
	Preliminary upload of data + documents from RW																									
	Trip 1: Kick-off sessions with RW staff					X																				
	Assessment / review of documents + data																									
	Phase ONE "Memo to Management" Report					X																				
	Adjust / finalize Scope, Timelines, Budget, Contract as warranted (based on defined Stakeholder plan)																									
TWO - Learning: Listening and Input																										
	Collaborate with RW on Stakeholder schedule																									
	Prepare Fiscal Analysis of Current Zoning Code						X																			
	Trip 2: Planning Commission Workshop and additional staff meetings							X																		
	Mobilize for, conduct electronic survey																									
	Community-wide discussions (In-Person or Virtual, depending on social distancing)																									
	Supplemental T=telephone interviews as needed																									
	Phase TWO "Memo to Client" Report									X																
THREE - Synthesis: Findings, Implications, Options																										
	Organize / synthesize Stakeholder input																									
	Prepare Preliminary Future Land Use Map (FLUM) & Plan																									
	Review Fiscal Analysis of FLUM																									
	Deliver Draft Plan & FLUM w/Fiscal Analysis										X															
	Trip 3: Work session with RW staff / Plan Commission											X														
	Trip 4: Workshop with RW Council													X												
	Phase THREE "DRAFT Comprehensive Plan"														X											
FOUR - Consensus: Strategy & Implementation																										
	Prepare Final Comprehensive Plan																									
	Delivery Final Comprehensive Plan Draft for Client Internal Review																X									
	Work session / (Recommend to Council) with Planning Commission on Final Comprehensive Plan																X									
	Prepare initial draft of full plan document																									
	Deliver Final Comprehensive Plan to City Council - 1st reading																	X								
	Final editing of Comprehensive Plan																									
	Deliver Final Comprehensive Plan to City Council - 2nd reading / Adoption																		X							
	Plan Adoption by RW Council																				X					
FIVE - Land Development Code Modification																										
	Review Zoning Map and Code																									
	Delivery Proposed Recommendations for Modifying Zoning Map and Ordinance to Reflect the FLUM (for Client Internal Review)																				X					
	Work session / (Recommend to Council) with Planning Commission on Final Zoning Code																				X					
	Prepare initial draft of Revised Zoning Code document																									
	Deliver Final Zoning Map to City Council - 1st reading																							X		
	Final editing of Comprehensive Plan																									
	Deliver Final Map and Code to City Council - 2nd reading / Adoption																								X	
	Zoning Code and Map Adopted by RW Council																									X
Legend																										
	RW = City of Rollingwood																									
	X = Deliverables																									
	X = Trips/Meetings																									

Exhibit "B"

Compensation

Compensation shall be \$60,000.00 including expenses. Further requested iterations of the FLUM (Future Land Use Map) by the City shall not exceed \$5000.00 per iteration.

Exhibit "C"
Evidence of Insurance

What Is A Comprehensive Plan?

Like every city in Central Texas, the City of Rollingwood is evolving. It is important that as we grow, we preserve what we love about our community now and in the future. The purpose of a Comprehensive Plan is to provide a long-range plan for how we will develop our community. It includes looking at our future land use, transportation, parks, trails, drainage, infrastructure, facilities, fiscal health, and other areas. The plan is based on community input, interests, market drivers, and the physical layout of our City.

Why Do We Need a Comprehensive Plan?

The adoption of a Comprehensive Plan allows for both current and future City leaders to have a guide and reference document to help inform the decision-making process. It is based on our community values and aspirations. The Comprehensive Plan combines community input with the inventory of City resources. It specifies the way residents envision our community in the future and spells out strategies to accomplish our goals. The comprehensive plan maps out how the City will meet its needs for years to come.

Putting It All Together

Pegasus Planning and Development was hired in May 2020 to prepare the City of Rollingwood’s first Comprehensive Plan. The City has various studies and assessments that we have undertaken through the years, which consist of a series of documents with considerable detail on each element of the plan. The comprehensive planning document will help the City to tie a string around those documents and put them all together in one place for future decision making. To view our past reports, visit our comprehensive planning page at www.rollingwoodtx.gov/cp or give the staff a call.

Areas of interest and planning include:

- Infrastructure Improvements Plan - (Drainage)
- Capital Improvement Plan - (Water and Streets)
- Rollingwood Needs Assessment - (Facilities)
- Park Master Plan - (Parks & Recreation)
- Commercial Corridor Study - (Land Use)
- Retail Market Analysis - (Market Analysis)
- Traffic Calming Study - (Traffic)
- City Branding Initiative – (Identity)
- Financial Planning – (Credit & Budgeting)
- Land Development Code Modification (Building & Zoning)

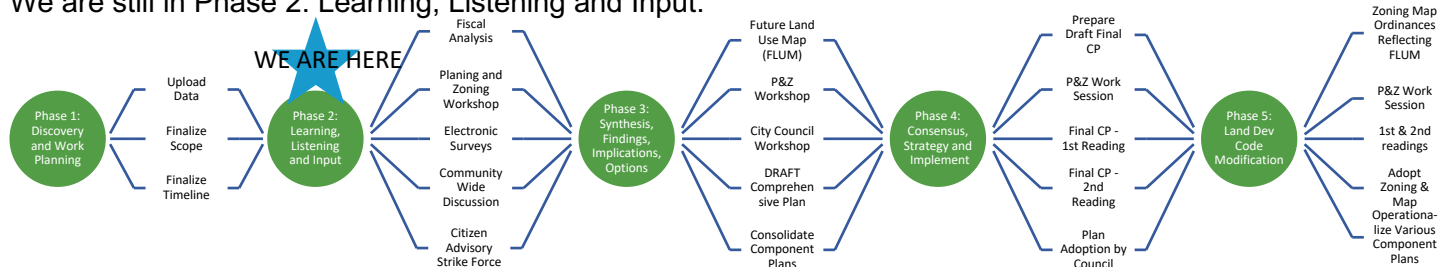
Why Is There Concern?

July 28, 2020, Pegasus held a “kick-off” meeting which was a joint work session with the City Council, Planning & Zoning, and Rollingwood Community Development Corporation. This work session had a heavy focus on fiscal analysis of the City’s commercial district. The analysis included three different informational scenarios, ranging from do nothing, up to allowing much greater residential density, commercial use and building heights. The consultant’s fiscal analysis showed the increased property and sales tax revenue forecasted with each scenario and described how those funds could be used to offset the City’s growing property tax assessments as well as pay for maintenance and operation efforts.

The way the fiscal analysis was presented as three different “scenarios” which the City might adopt as “plans”, caused residents’ confusion and concerns over the process, especially homeowners bordering the City’s commercial district. There were concerns expressed that there had not been sufficient public participation opportunities and that the consultant’s survey questions did not match up with the information presented. This was never the intent and City Council is now taking steps to alleviate concerns.

Where Are We Now?

We are still in Phase 2: Learning, Listening and Input.



What Happens Next?

Your City Council paused the Comprehensive Planning process after the kick-off work session in July. Multiple agenda items were added to the August and September Council meetings, where the Council had the opportunity to discuss and take action on specific issues that had been raised regarding the Comprehensive Plan work-session, and formal motions were made to solidify with Pegasus that we want a community-driven planning process, direction that the Council had already given to Pegasus in the past.

By unanimous votes, the council agreed we want to review the City's commercial tracts on Bee Cave Road, lot-by-lot, and to not increase building height limits on those commercial tracts on the road's north side and adjacent to single family homes. There was also unanimous agreement to create the Comprehensive Plan Strike Force, to act as a sounding board for the consultant and ensure our planning process is community-driven and aligns with our community values.

As we move forward with the planning and drafting of the Comprehensive Plan, City leaders will continually seek feedback from citizens regarding ideas and visions for the future of the City through a variety of means including: surveys, small group meetings, a citizen advisory Strike Force, community forums, and other stakeholder and public meetings.

How Can I Listen to Past Meetings?

All upcoming and past City meeting information is available at:

www.rollingwoodtx.gov/meetings

Joint City Council, P&Z, RCDC; Work-Session

July 28, 2020

www.rollingwoodtx.gov/cpworksession

City Council Meeting

August 26, 2020

www.rollingwoodtx.gov/cc8-26-20

(The Comprehensive Plan Agenda Item Starts at 3:12)

City Council Meeting

September 16, 2020

www.rollingwoodtx.gov/cc9-16-20

(The Comprehensive Plan Agenda Items start at 5:10)

Strike Force

The City Council has formed a 13-member Strike Force to act as a sounding board for the City consultants and ensure effective mechanisms are in place for gathering public input on various issues. Strike Force duties include: Designated contact group for consultants; Provide recommendations on public engagement process & future surveys; Assist with identification of issues and needs; Read, review and provide recommendations as to the strategic direction of the Comprehensive Plan; Assist with priority setting; Final plan recommendation; Identify values over policies.

Strike Force Deliverable: The Chair will report on the rationale of majority viewpoint, and any votes that occur. An opportunity for minority viewpoint may be provided via report, if desired. More info on members Strike Force and future meeting dates visit: www.rollingwoodtx.gov/strikeforce.

How Can I Stay Informed?

- **Visit the Comprehensive Plan Webpage:** www.rollingwoodtx.gov/cp
- **Watch City Meetings:** www.rollingwoodtx.gov/meetings
- **Like Us on Facebook:** www.facebook.com/rollingwoodtexas
- **Sign Up for City Alerts:** Text **SWIFT 911** to **99538** to download Alert App or visit www.rollingwoodtx.gov/alerts to subscribe
- **Call or E-mail City Staff:** 512-327-1838 eacosta@rollingwoodtx.gov

Thank you for sharing your thoughts, comments, concerns and input!





Date: December 12, 2020
To: Mayor and Council Members of the City of Rollingwood
From: Amber Lewis, City Administrator
Subject: City Administrator's Report

Financials – Highlights of the financials for the month of October 2020:

- As of November 30, 2020, 17 % of the Fiscal Year has passed.
- Property taxes collected were down 71% from the amount collected in the same period in FY 19-20.
- Sales taxes collected were slightly down compared to the same period in FY 19-20.
- The Water Fund balance is currently at \$579,526. The General Fund balance is at \$1,078,232.

We are taking it day by day with regard to returning to City Hall. Public Works employees are on site, but working separately and wearing masks. Chief and the on-duty officer are on site. All vehicles and the offices are being sanitized today. We do not yet have test results for the 3 employees who were tested.

Travis County notified us that the city has received approval to be reimbursed for the city's entire CARES Act Funding allocation (\$86,735)! I am so proud of all the hard work that our team put in to complete the lengthy application and reimbursement process.

Justin White, our new Public Works Superintendent, started work on Monday, December 14. We are so happy to have him joining our team!

The 65th Virtual Birthday Party is scheduled for Thursday, December 17 and the Spirit of Rollingwood Citizenship Awards will be announced and honored by the Mayor at the Virtual Birthday Party. Please register to attend and join us! Happy birthday, Rollingwood!

Trail of Lights is well underway and to date there have been no major complaints. The traffic plan and resident passes seem to be working well.

We met with K. Friese for a progress update on Nixon/Pleasant. They will be sending an update to the property owners and working to schedule rights of entries for surveying. Staff is working on providing them with existing surveys, permits that may have an impact on the project, and as-builts of culverts in the drainage way.

We met with Municode to begin indexing the meeting videos. The user will see an agenda with the related time stamp that will let people know when action was taken for that particular item and they can go directly to that part of the meeting. The plan is to start immediately on future meetings and then work through the past meetings, with a focus on City Council and working newest to oldest. We are excited about this service as we believe it will provide even more transparency and accessibility for citizens.

We continue to assist the Strike Force in setting agendas, providing them with information, distributing emails, and fulfilling public information requests.

I've attached a report from David regarding ongoing Public Works projects.

I am available by email and cell phone, 512-647-0637. Please let me know if you have any questions or concerns.



THE CITY OF ROLLINGWOOD

Phone +1 (512) 327-1838

403 Nixon Dr, Rollingwood, TX 78746-5512

www.rollingwoodtx.gov

Utility Commission meeting 12/1 updates

1. Fire hydrant flows report- capital hydrants report and AWRs report of progress and completion. Now that the valves are open in the Timberline area Capital Hydrant will come back out and re-test the flows and give us a report with the new pressures. Once all the work has been completed they will paint all the hydrants. The required flow rate is 1000 gpm at 20 psi. We show there are a few still below that range. Capital Hydrants are scheduling to come back out the second week of December. We are getting a bid to replace one frozen hydrant at 406 Riley Road.
2. Looking to purchase GPS device which has blue tooth capabilities to enable Public Works the ability to map out water meter locations, water valves, manholes, sewer and water main lines and sign locations throughout Rollingwood.
3. AWR to dig up a valve at Timberline and Inwood. The valve has been covered up with concrete 5-6 feet below the road.
4. AWR is giving a bid to replace a faulty 3 inch water meter that is 6 feet below grade and supplies water to the medical center at 3003 Bee Cave Road. Looking at replacing the meter with a new digital meter.
5. City engineer to review video of sewer lines and smoke report from 2009 and 2013 to determine where we want to start our inspections again. Inspections are to be done every 5 years.
6. New public works employee Justin White to start on 12/14- supervisor at crossroads worked there 7 years. Has Class C water operators and Class 2 Collection operator's license. Experience in lift stations operations and maintenance also experience on hydrants maintenance and valve maintenance
7. Nate Hart studying for class D Water operator's license. David studying for Class 2 Collection operator's license
8. Met with city engineer, AWR and Chris Mahaney , third party contractor to come up with a plan on replacing water valves in strategic positions and to isolate the city water supply in 4 sections. Currently our water valves are 50 years old and do not close all the way. We need to have a system that can be isolated when an emergency repair is needed. We also have 50 water meters in back yards along Rollingwood and Timberline. Looking at options for putting the meters in the front yards.
9. Investigating the size of a water main at Inwood and Bettis Blvd, city map shows 5 inch line, parts are not available for that size. City engineer to look up as builds from 2012 to check if specifications exist.
10. K. Friese reviewed the ARV (Air Release Valve) plans created by LNV. They disagree with some of the plans LNV had made and offered alternative approaches. Will work through those first.

Municipal Court

City of Rollingwood Monthly Stats

Municipal Court

Violations Filed by Date													
	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Traffic	27	30											57
State Law	3	1											4
City Ordinance	1	1											2
Parking	2	0											2
Total Violations	33	32											65

Completed Cases													
Paid Fine	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Traffic	3	5											8
State Law	0	0											0
City Ordinance	1	0											1
Parking	0	0											0
Total Paid Fines	4	5											9
Before Judge	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Traffic	3	1											4
State Law	0	0											0
City Ordinance	0	0											0
Parking	0	0											0
Total Before Judge	3	1											4
By Jury	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Total	0	0											0
	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Total Completed	7	6											13

Other Completed													
Dismissed DSC. Sec. 2	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Traffic	3	2											5
State Law	0	0											0
City Ordinance	0	0											0
Parking	0	0											0
Total	3	2											5
Dismissed After Deferred Disp.	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Traffic	1	1											2
State Law	0	0											0
City Ordinance	0	0											0
Parking	0	0											0
Total	1	1											2
Dismissed By Presenting Insurance	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total

Police Department Report - November 2020

Staffing	
Authorized Staff:	9
Current Staff:	8
Acquired Comp Hours:	20.5
Comp Hours Spent:	0
Vacation Hours Spent:	32.5
Sick Hours Spent:	0
Acquired Holiday Hours:	24
Holiday Hours Spent :	32
Acquired Overtime Hours:	0
Total Hours Worked:	903.5

Possible Liabilities (PD Employees Only)	
Comp Pool Liability (Dollars):	\$ 7,681
Vacation Pool Liability (Dollars):	\$ 38,265
Total Sick Pool Liability (Dollars):	\$ 49,757
Total Possible Liabilities:	\$ 95,704

Fleet	
Vehicles Authorized:	4
Vehicles Operational:	4
Gasoline Used (gal):	392.2
Total Miles Driven:	3554

Police Activity	
Calls for Service	
Calls Dispatched:	87
Self Assigned Calls:	35
Total Calls for Service:	122
Agency Assists:	41
Criminal Offense Reports:	3
Theft/Burglary Reports:	0
Arrests	
Misdemeanor Arrests:	1
Felony Arrests:	0
Total Arrests:	1
Proactive Citizen Contacts:	20
Vehicle Accidents	
Minor Accidents:	1
Major Accidents:	1
Total Vehicle Accidents:	2

Ordinance Violations	
Construction:	16
Solicitation:	0
Noise:	0
Tree Related:	0
Animal Related:	0
All Others:	0
Total Ordinance Violations:	16

Traffic Initiatives	
School Zone	
Time spent (hours):	9
Citations/Warnings issued at this Location:	0
Park Zone	
Time spent (hours):	9.5
Citations/Warnings Issued at this Location:	6
Bee Caves	
Time spent (hours):	0
Citations/Warnings Issued at this Location:	30
Total time spent on traffic initiatives (hours):	18.5
Total Citations/Warnings issued during traffic initiatives:	36

Traffic Enforcement	
Total Citations issued:	26
Total Warnings issued:	36
Total Citations and Warnings:	62
Type of Violations:	
Parking Violations:	0
Moving Violations:	59
Equipment Violations:	3
Total Violations:	62
Location of Traffic Stops	
City Roadways:	32
Bee Caves Road:	30
Total Traffic Stops:	62

Chief's Blotter	
Staffing: We are receiving applications for our vacancy and are reviewing them for suitability.	
Property Room: Our audit of evidence and property is complete. Bar coding is now in place. An order of destruction was granted for items and drugs that were no longer of evidentiary value. Narcotics were incinerated at the Lake Way Police Department on Nov. 20th. We also began a new practice to send every firearm that we take into our possession for ballistic testing and entry into the National Integrated Ballistic Information Network database.	
Special Events: Trail of Lights is proceeding with minimal disruption to our city. The current traffic flow plan is sufficient thus far. We continue to monitor.	
Criminal Activity: An arrest was made for an intoxicated and belligerent subject at a Rollingwood restaurant. RPD responded to a hit and run accident on Bee Caves Rd where a bicyclist suffered major injuries. Investigation revealed a suspect was identified, and a felony warrant was issued from our agency and has been executed.	

Minor Accidents:	1	1	2		1	1	1	1	
Major Accidents:								1	
Total Vehicle Accidents:	1	1	2		1	1	1	2	

Ordinance Violations:									
	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Construction:	12	11	1			10	4	16	
Solicitation:		3	2						
Noise:			1	1					
Tree Related:	3								
Animal Related:	11			1			1		
All Others:	7	2		2		2	3		
Total Ordinance Violations:	33	16	4	4		12	8	16	

Traffic Initiatives:									
	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Total time spent on traffic initiatives (hours):		21	32	22.75	25.15	35	61.5	18.5	
Total Citations/Warnings issued during traffic initiatives:		7	23	30	16	29	66	36	

Traffic Enforcement:									
	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Total Citations issued:	1	6	17	14	10	24	29	26	
Total Warnings issued:		7	11	20	90	60	44	36	
Total Citations and Warnings:	1	13	28	34	100	84	73	62	
Type of Violations									
Total Parking Violations:				9		4	2		
Moving Violations:		13	28	21	10	62	51	59	
Equipment Violations:				1		12	20	3	
Total Violations:		13	28	31	10	78	73	62	
Location of Traffic Stops									
City Roadways:		5	24	15		54	26	32	
Bee Caves Road:		8	4	18		30	47	30	
Total Traffic Stops:		13	28	33		84	73	62	



engineers | architects | surveyors

**CITY OF ROLLINGWOOD
ENGINEER'S MONTHLY REPORT
LNV, INC.
DECEMBER 9, 2020**

Includes Activities and Services from November 11 to December 9, 2020

1. Site Development Plan (Drainage) and RSDP Review

A. Drainage Plan Review

- 2502 Bettis Blvd – Provided comments 6/16/20
- 2801 Hubbard Circle – Provided comments 10/23/20
- 402 Inwood Rd – Approved 11/24/20
- 409 Vale – Approved 12/4/20
- 2 S Peak – Provided comments 11/11/20
- 3306 Park Hills Dr – Provided comments 11/9/20
- 4801 Rollingwood Dr – Provided comments 11/24/20
- 4830 Rollingwood Dr – Waiting on updated plans
- 5012 Timberline Dr – In review

B. Residential Stormwater Discharge Permit (RSDP) – No Activity

C. Drainage Plan Inspection

- 2514 Timberline – Failed Inspection. Engineer to provide revised drawings

2. Cul-De-Sac Waterline Improvement Project – Tabled, On-Hold

Task Order No. 21: Includes waterline improvements at the following cul-de-sacs:

- A. Westgate Circle
- B. Ewing Circle
- C. Michele Circle
- D. Jeffery Cove
- E. South Crest Drive

LNv provided final plans to the City 6/14/18. LNv has prepared updated construction cost estimates (4/17/19) with 2019 unit cost and added mobilization and a 20% contingency.

3. Water Distribution System Support

LNv will continue to provide assistance with the City's water distribution system support as requested.

4. Wastewater System Support

LNv will continue to provide assistance with wastewater system support as requested.

Submitted By:



Jay Campbell, PE, CFM, CPESC
Project Manager

CITY OF ROLLINGWOOD MONTHLY STATS
Top Water Users

FY 2020-2021 Top Water Users												
October	Nov	Dec	Jan	Feb	March	April	May	June	July	August	Sept	
99	84											
89	83											
89	79											
74	79											
73	73											
71	72											
66	70											
65	66											
63	65											
62	60											
Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage
75.1	73.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

FY 2019-2020 Top Water Users												
October	Nov	Dec	Jan	Feb	March	April	May	June	July	August	Sept	
117	84	59	63	83	111	62	236	165	171	196	158	
88	65	56	53	52	89	49	140	82	102	194	146	
85	59	48	48	46	59	49	124	73	87	105	121	
82	58	47	45	39	56	46	81	68	84	87	116	
70	56	45	41	34	54	40	77	63	77	86	114	
65	53	45	41	32	45	39	59	62	65	75	112	
61	49	44	41	30	41	37	56	61	65	72	105	
57	47	38	33	29	40	36	54	59	59	71	99	
57	46	37	32	29	40	35	53	56	59	70	91	
56	46	37	32	28	40	34	52	56	56	66	81	
Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage
73.8	56.3	45.6	42.9	40.2	57.5	42.7	93.2	74.5	82.5	102.2	114.3	

**CITY OF ROLLINGWOOD MONTHLY STATS
Top Water Users**

FY 2018-2019 Top Water Users												
October	Nov	Dec	Jan	Feb	March	April	May	June	July	August	Sept	
66	43	139	170	55	52	72	43	142	82	129	148	
62	39	87	120	41	39	64	43	43	74	115	145	
58	37	58	97	38	33	56	42	43	64	104	129	
41	34	54	40	36	30	53	38	42	59	90	125	
40	34	52	40	35	28	46	37	38	58	89	117	
38	34	45	38	35	27	43	34	37	56	86	90	
36	33	44	37	34	27	42	30	34	53	84	87	
35	33	37	36	34	27	41	30	30	52	79	82	
33	31	36	31	34	26	40	30	30	50	77	80	
31	28	35	28	32	26	40	30	30	48	76	76	
Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage	Avg Usage
44	34.6	58.7	63.7	37.4	31.5	49.7	35.7	46.9	59.6	92.9	107.9	

Sales Tax Revenue

FY 2020-2021	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total	Current Average
		70,776.65	74,920.30											145,697

FY 2019-2020	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Total	12 Month Average
		91,077.01	74,497.13	81,277.56	83,216.81	100,946.34	83,922.34	69,958.41	96,980.29	52,200	65,591.18	76,475.35	86,963.31	963,106

Comparison by Month	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Total To Date
Total Increase or Decrease	-20,300	423	-81,278	-83,217	-100,946	-83,922	-69,958	-96,980	-52,200	-65,591	-76,475	-86,963	-\$817,409
Total % Increase or Decrease	-22.29%	0.57%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-113.71%	-189.65%

Sales Tax Revenues FY 2018-2019 Total: **\$78,894** 12 Mo. Avg.

Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
67,571	73,123	77,158	71,452	80,971	72,136	96,237	79,896	91,090	72,701	87,223	77,169

Sales Tax Revenues FY 2017-2018 Total: **\$660,679** 12 Mo. Avg. **\$55,057**

Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
70,733	72,033	70,289	55,644	57,445	57,218	60,690	58,942	82,731	131,881	71,529	70,733

Sales Tax Revenues FY 2016-2017 Total: **\$660,679** 12 Mo. Avg. **\$55,057**

Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17
60,763	52,993	50,776	58,251	58,466	48,582	57,935	53,949	50,885	53,050	58,131	56,898

Sales Tax Revenues FY 2015-2016 Total: **\$652,419** 12 Mo. Avg. **\$54,368**

Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	April-16	May-16	June-16	July-16	Aug-16	Sept-16
47,352	60,770	52,993	50,776	58,251	58,466	48,582	57,935	53,949	50,885	53,050	58,131

Sales Tax Revenues FY 2014-2015 Total: **\$652,419** 12 Mo. Avg. **\$54,368**

Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	April-15	May-15	June-15	July-15	Aug-15	Sept-15
52,711	53,417	60,449	55,382	70,179	60,870	43,543	51,854	60,473	48,865	51,030	43,645

Sales Tax Revenues FY 2013-2014 Total: **\$640,482** 12 Mo. Avg. **\$53,373**

Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	June-14	July-14	Aug-14	Sept-14
55,277	49,054	61,523	58,436	62,246	49,770	48,155	52,803	50,076	50,043	50,828	52,271

Sales Tax Revenues FY 2012-2013 Total: **\$582,213** 12 Mo. Avg. **\$48,518**

Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	April-13	May-13	June-13	July-13	Aug-13	Sept-11
43,066	36,155	45,606	36,037	60,951	46,029	50,569	52,451	62,850	47,677	51,672	49,150

CITY OF ROLLINGWOOD, TEXAS

PAYMENT AUTHORIZATION

Date: 11/6/2020

Budget Code: See Below

Vendor: K Friese & Associates, Inc.
1120 South Capital of Texas Hwy
City View 2, Suite 100
Austin, TX 78746

Invoice No. See Below
Invoice Date See Below
Acct No. City of Rollingwood

Vendor Code: K Friese

Nature of Expense/Expenditure: Engineering Services

Justification of Expense/Expenditure: _____

Description		Quantity	Unit Cost	Extended Cos
Inv #2010033	RLWD Infrastructure Improve. Plan	1	\$ 625.00	\$ 625.00
Inv #2007026	Rollingwood MS4	1	\$ -	\$ -
Inv #2008029	Zoning Reviews 9/2/2020	1	\$ -	\$ -
	RLWD Infrastructure Improve. Plan 100/5332/10			
	Rollingwood MS4 702/5485/35			
	Zoning Reviews 100/5252/15			
			Total	\$ 625.00

Received By: _____ Date: _____

City Secretary: Awayman Date: 11/10/2020

Finance Dept: _____ Date: 11/6/2020

City Administrator: aap Date: 11.13.2020



K Friese & Associates, Inc.
1120 South Capital of Texas Highway
CityView 2, Suite 100
Austin, Texas 78746
(512) 338-1704

November 3, 2020
 Project No: 0676
 Invoice No: 2010033

Amber Lewis
 City of Rollingwood
 403 Nixon
 Rollingwood, TX 78746

Project 0676 Rollingwood Development Reviews

Professional Services from October 1, 2020 to October 31, 2020

Task 100 General Services

Professional Personnel

	Hours	Rate	Amount	
Winek, Lauren	5.00	125.00	625.00	
Totals	5.00		625.00	
Total Labor				625.00
				Total this Task \$625.00
				Total this Invoice \$625.00

	Current	Prior	Total
Billings to Date	625.00	33,858.74	34,483.74

Abel Campos

From: K Friese Accounting <accounting@kfriese.com>
Sent: Thursday, November 5, 2020 10:20 AM
To: Ashley Wayman; Abel Campos
Cc: Lauren Winek-Morin; K Friese Accounting
Subject: RE: Rollingwood Development Reviews - KFA 0676 Invoice 2010033
Attachments: Rollingwood Development Reviews - KFA 0676 Invoice 2010033.pdf

Hello:

Please find attached your current invoice for **Rollingwood Development Reviews**.

Thank you,

Brandon Reed
Billing Specialist

K FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING

AUSTIN | WILLIAMSON COUNTY | SAN ANTONIO

1120 S. Capital of Texas Highway, CityView 2, Suite 100, Austin, Texas 78746
P 512.338.1704 F 512.338.1784
www.kfriese.com



CITY OF ROLLINGWOOD
PAYMENT AUTHORIZATION

Date: 11/3/2020 Budget Code: See below
 Vendor: ATS Engineers/Inspectors/Surveyors Invoice #: See below
4910 West Hwy 290 Invoice Date: See below
Austin, TX 78735 Account No. Rollingwood
 Vendor ID: ATS

Nature of expense/expenditure: _____
 Justification of expense/expenditure: _____

Description	Quantity	Extended Cost
Inv #361878 100/5200/15 Building Plan Reviews 10/7/2020	1	\$290.00 \$290.00
Inv #1-908806 100/5251/15 Inspections 10/30/2020	1	\$2,625.00 \$2,625.00
	1	\$0.00 \$0.00
	1	\$0.00 \$0.00
	1	\$0.00 \$0.00
	1	\$0.00 \$0.00
		0
TOTAL COST		\$2,915.00

Approved by: _____

Department Supervisor: _____
 Finance Dept: _____
 City Secretary: AWayman
 City Administrator: aal

Date: _____
 Date: 11/03/20
 Date: 11/16/2020
 Date: 11.13.2020



DATE	INVOICE
10/7/2020	361878

City of Rollingwood
 Attn: City Administrator
 403 Nixon Drive
 Rollingwood, TX 78746

P.O. #:	DUE DATE
	11/30/2020

DESCRIPTION	AMOUNT
Commercial Plan Review Western Hills Athletic Club Improvements 4801 Rollingwood Drive 2hrs @ 95/hr 10/7/20	190.00
Residential Plan Review Pool & Spa 3306 Park Hills Drive 10/27/20	100.00
Sales Tax	0.00
	Payments/Credits \$0.00
We accept cash, checks, Visa, Master Card, American Express, and Discover. You may call 512.328.6995 to charge by phone. A late fee will be added to the invoice total for \$15.00 or 10% of the invoice balance, whichever the greater, if payment is not received by	
Balance Due	\$290.00

Abel Campos

From: Carrie Caylor
Sent: Monday, November 2, 2020 1:19 PM
To: Abel Campos
Subject: Fwd: Plan Review Invoice
Attachments: image001.jpg; ATT00001.htm; image002.jpg; ATT00002.htm; 361878 - RW.pdf; ATT00003.htm

Kind Regards,

Carrie Caylor

Sent from my iPhone

Begin forwarded message:

From: Jaime Lanka <Jaime_Lanka@ats-engineers.com>
Date: November 2, 2020 at 1:16:29 PM CST
To: Carrie Caylor <ccaylor@rollingwoodtx.gov>
Subject: Plan Review Invoice

Hi Carrie, please see attached for October.

Thanks,

Jaime Lanka

City Services Coordinator
Certified Residential Plans Examiner
ATS Engineers, Inspectors and Surveyors
4910 West Hwy. 290
Austin, TX 78735
737.346.8246 mobile
512.328.6995 ext. 160
512.328.6996 fax
TBPE Firm Reg. #2487
TBPLS Firm Reg. #10126000
www.ats-engineers.com



DATE	INVOICE
10/30/2020	I-908806

City of Rollingwood
 Attn: City Administrator
 403 Nixon Drive
 Rollingwood, TX 78746

P.O. #:	DUE DATE
	11/29/2020

DESCRIPTION	AMOUNT
Wallboard Reinspection (Passed - 10/1/2020) at 103 Vale, Rollingwood	65.00
Water-Sewer Inspection (Passed - 10/15/2020) at 19 Treemont Drive, Rollingwood	65.00
Frame-Mechanical-Electrical-Plumbing Inspection (Passed - 10/15/2020) at 19 Treemont Drive, Rollingwood	65.00
Insulation Inspection (Reinspect required - 10/26/2020) at 19 Treemont Drive, Rollingwood	65.00
Electrical Rough Inspection (Passed - 10/26/2020) at 200 Almarion Way, Rollingwood	65.00
Underground Water Inspection (Passed - 10/20/2020) at 205 Almarion Way, Rollingwood	65.00
Plumbing Rough Inspection (Passed - 10/7/2020) at 205 Almarion Way, Rollingwood	65.00
Plumbing Topout Inspection (Failed - 10/23/2020) at 210 Ashworth, Rollingwood	65.00
Layout Inspection (Failed - 10/7/2020) at 2405 Rollingwood Dr., Rollingwood	65.00
Foundation Pre-pour Inspection - AD (Failed - 10/7/2020) at 2405 Rollingwood Dr., Rollingwood	65.00
Foundation Pre-pour Reinspection - AD (Partial Passed - 10/8/2020) at 2405 Rollingwood Dr., Rollingwood	65.00
Foundation Pre-pour Reinspection - AD (Passed - 10/20/2020) at 2405 Rollingwood Dr., Rollingwood	65.00
Foundation Pre-pour Inspection - AD (Passed - 10/20/2020) at 2405 Rollingwood Dr., Rollingwood	65.00
	Payments/Credits

Balance Due



DATE	INVOICE
10/30/2020	I-908806

City of Rollingwood
 Attn: City Administrator
 403 Nixon Drive
 Rollingwood, TX 78746

P.O. #:	DUE DATE
	11/29/2020

DESCRIPTION	AMOUNT
Driveway Inspection (Passed - 10/16/2020) at 2500 Hatley Drive, Rollingwood	65.00
Final Inspection (Passed - 10/5/2020) at 2500 Ste 300 Bee Caves Rd, Rollingwood	75.00
Wallboard Inspection (Partial Passed - 10/8/2020) at 2700 Bee Caves Rd, Rollingwood	75.00
Frame-Electrical Inspection (Passed - 10/14/2020) at 2700 Bee Caves Rd, Rollingwood	75.00
Wallboard Inspection (Passed - 10/29/2020) at 2700 Bee Caves Rd, Rollingwood	75.00
Mechanical, Electrical and/or Plumbing Inspection (Passed - 10/26/2020) at 2700 Bee Caves Rd, Rollingwood	75.00
Electrical Rough Inspection (Passed - 10/29/2020) at 2700 Bee Caves Rd, Rollingwood	75.00
Pre-Demo Inspection (Passed - 10/23/2020) at 304 Almarion Way, Rollingwood	65.00
Water-Sewer Inspection (Passed - 10/7/2020) at 3200 Park Hills, Rollingwood	65.00
Foundation Pre-pour Inspection - AD (Passed - 10/30/2020) at 3306 Park Hills Drive, Rollingwood	65.00
Foundation Inspection (Passed - 10/30/2020) at 3306 Park Hills Drive, Rollingwood	65.00
Final Inspection (Partial Passed - 10/15/2020) at 4 Randolph Pl, Rollingwood	65.00
Pool Bonding Inspection (Passed - 10/30/2020) at 4 Randolph Pl, Rollingwood	65.00
Yardline Inspection (Passed - 10/15/2020) at 406 Riley Road, Rollingwood	65.00
	Payments/Credits

Balance Due

Abel Campos

From: Elaine Acosta
Sent: Tuesday, November 3, 2020 8:24 AM
To: Abel Campos
Subject: FW: Invoice I-908806 from ATS Engineers, Inspectors, & Surveyors
Attachments: Inv_I908806_from_ATS_Engineers_Inspectors__Surveyors_56448.pdf

From: Lupita Garcia <Lupita_Garcia@ats-engineers.com>
Sent: Tuesday, November 3, 2020 8:20 AM
To: Elaine Acosta <eacosta@rollingwoodtx.gov>
Subject: Invoice I-908806 from ATS Engineers, Inspectors, & Surveyors

ATS Engineers, Inspectors, & Surveyors

Invoice <small>Due: 11/29/2020</small> I-908806	Amount Due: \$2,625.00
---	-------------------------------

Dear Customer:

Your invoice-I-908806 for 2,625.00 is attached. Please remit payment at your earliest convenience.

Thank you for your business - we appreciate it very much.

Sincerely,
 ATS Engineers, Inspectors, & Surveyors

512-328-6995
 ATS-Engineers.com

View & Pay Invoice

2020-2021

CITY OF ROLLINGWOOD
MONTHLY FINANCIAL ANALYSIS

NOTE: YTD ACTUAL AS OF 11/30/2020; 16.67% OF FISCAL YEAR

REVENUE STATUS & COMPARISON TO PRIOR YEAR

	CURRENT YEAR:			PRIOR YEAR:		CURRENT YR COMPARED TO PY YR
	EST. REVENUE	YTD	PERCENT	YTD		
CURRENT PROPERTY TAXES	\$ 1,319,671	\$ 16,621	1%	\$ 56,448		29%
TELECOM TAXES	\$ 71,600	\$ 6,612	9%	\$ 14,098		47%
4-B SALES TAX	\$ 120,000	\$ 25,689	21%	\$ 25,936		99%
CITY SALES TAX	\$ 500,000	\$ 102,830	21%	\$ 103,902		99%
ELECTRIC UTILITY FRANCHISE FEE	\$ 98,000	\$ -	0%	\$ 30,002		0%
BUILDING PERMIT FEES	\$ 154,150	\$ 27,029	18%	\$ 52,078		52%
COURT FINES	\$ 35,000	\$ 2,065	6%	\$ 8,159		25%
WATER SALES	\$ 800,000	\$ 255,174	32%	\$ 203,526		125%
STREET SALES TAX	\$ 120,000	\$ 25,689	21%	\$ 25,936		99%
PROPERTY TAX-DEBT SERVICE 2014	\$ 199,550	\$ 2,522	1%	\$ 9,071		28%
PROPERTY TAX-DEBT SERVICE 2012	\$ 317,520	\$ 4,033	1%	\$ 14,958		27%
PROPERTY TAX-DEBT SERVICE 2019	\$ 408,850	\$ 5,148	1%	\$ 18,512		28%
PROPERTY TAX-DEBT SERVICE 2020	\$ 317,065	\$ 3,770	1%	\$ -		#DIV/0!
WASTEWATER REVENUES	\$ 540,000	\$ 93,029	17%	\$ 94,062		99%
PUD SURCHARGE	\$ 98,160	\$ 16,359	17%	\$ 16,359		100%

BUDGET STATUS & COMPARISON TO PRIOR YEAR

	CURRENT YEAR:			PRIOR YEAR:		CURRENT YR COMPARED TO PY YR
	BUDGET	YTD	PERCENT	YTD		
GENERAL FUND:						
REVENUE	\$ 2,584,386	\$ 211,597	8%	\$ 328,245		64%
EXPENDITURES	\$ 2,578,154	\$ 363,877	14%	\$ 439,192		83%
WATER FUND:						
REVENUE	\$ 804,600	\$ 255,636	32%	\$ 205,098		125%
EXPENDITURES	\$ 1,040,770	\$ 126,191	12%	\$ 126,183		100%
STREET MAINTENANCE FUND:						
REVENUE	\$ 120,050	\$ 25,700	21%	\$ 25,940		99%
EXPENDITURES	\$ 88,465	\$ 24,271	27%	\$ 27,568		88%
COURT SECURITY FUND:						
REVENUE	\$ 1,200	\$ 137	11%	\$ 219		63%
EXPENDITURES	\$ 1,000	\$ -	0%	\$ -		#DIV/0!
COURT TECHNOLOGY FUND:						
REVENUE	\$ 1,500	\$ 113	8%	\$ 291		39%
EXPENDITURES	\$ 4,000	\$ 1	0%	\$ 59		2%
COURT EFFICIENCY FUND:						
REVENUE	\$ 100	\$ -	0%	\$ -		#DIV/0!
EXPENDITURES	\$ 100	\$ -	0%	\$ -		#DIV/0!
DEBT SERVICE FUND - 2014:						
REVENUE	\$ 200,250	\$ 2,566	1%	\$ 9,084		28%
EXPENDITURES	\$ 199,950	\$ -	0%	\$ -		#DIV/0!
DEBT SERVICE FUND - 2012:						
REVENUE	\$ 318,920	\$ 4,000	1%	\$ 14,990		27%
EXPENDITURES	\$ 317,920	\$ -	0%	\$ -		#DIV/0!
DEBT SERVICE FUND - 2019:						
REVENUE	\$ 410,650	\$ 5,227	1%	\$ 18,530		28%
EXPENDITURES	\$ 409,250	\$ -	0%	\$ -		#DIV/0!
DEBT SERVICE FUND - 2020:						
REVENUE	\$ 317,565	\$ 3,771	1%	\$ -		#DIV/0!
EXPENDITURES	\$ 317,465	\$ -	0%	\$ -		#DIV/0!
DRAINAGE FUND:						
REVENUE	\$ 30,000	\$ 5,500	18%	\$ -		#DIV/0!
EXPENDITURES	\$ 135,000	\$ 3,135	2%	\$ 8,316		38%
WASTE WATER FUND:						
REVENUE	\$ 654,760	\$ 55,818	9%	\$ 113,170		49%
EXPENDITURES	\$ 738,220	\$ 23,587	3%	\$ 77,302		31%

City of Rollingwood, Texas

Statement of Revenues and Expenditures
100 - General Fund
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Administration	92,443.74	157,762.73	2,293,171.00	(2,135,408.27)	6.87%
Development Services	18,558.78	27,028.53	154,150.00	(127,121.47)	17.53%
Streets	12,486.72	24,271.03	88,465.00	(64,193.97)	27.43%
Police	120.00	205.00	1,750.00	(1,545.00)	11.71%
Court	1,325.31	2,065.01	46,350.00	(44,284.99)	4.45%
Park Department	0.00	265.00	400.00	(135.00)	66.25%
Total REVENUES	<u>124,934.55</u>	<u>211,597.30</u>	<u>2,584,286.00</u>	<u>(2,372,688.70)</u>	<u>8.19%</u>
EXPENDITURES					
Administration	75,510.93	116,368.79	744,541.00	628,172.21	15.62%
Development Services	10,290.21	17,859.22	220,469.00	202,609.78	8.10%
Sanitation	11,514.59	11,514.59	126,000.00	114,485.41	9.13%
Streets	5,604.77	11,850.59	88,465.00	76,614.41	13.39%
Police	73,457.66	178,228.25	1,192,015.00	1,013,786.75	14.95%
Court	5,372.78	10,580.82	104,594.00	94,013.18	10.11%
Park Department	8,938.71	15,291.92	85,520.00	70,228.08	17.88%
Public Works	1,737.66	2,182.44	16,550.00	14,367.56	13.18%
Total EXPENDITURES	<u>192,427.31</u>	<u>363,876.62</u>	<u>2,578,154.00</u>	<u>2,214,277.38</u>	<u>14.11%</u>
Excess Revenues Over (Under) Expenses	<u>(67,492.76)</u>	<u>(152,279.32)</u>	<u>6,132.00</u>	<u>(158,411.32)</u>	<u>(2,483.35)%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
200 - Water Fund
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Non-Departmental	<u>127,861.36</u>	<u>255,636.20</u>	<u>804,600.00</u>	<u>(548,963.80)</u>	<u>31.77%</u>
Total REVENUES	<u>127,861.36</u>	<u>255,636.20</u>	<u>804,600.00</u>	<u>(548,963.80)</u>	<u>31.77%</u>
EXPENDITURES					
Non-Departmental	<u>104,711.46</u>	<u>126,190.78</u>	<u>1,040,770.00</u>	<u>914,579.22</u>	<u>12.12%</u>
Total EXPENDITURES	<u>104,711.46</u>	<u>126,190.78</u>	<u>1,040,770.00</u>	<u>914,579.22</u>	<u>12.12%</u>
Excess Revenues Over (Under) Expenses	<u>23,149.90</u>	<u>129,445.42</u>	<u>(236,170.00)</u>	<u>365,615.42</u>	<u>(54.81)%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
301 - Street Maintenance Fund
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Non-Departmental	13,220.12	25,700.26	120,050.00	(94,349.74)	21.40%
Total REVENUES	<u>13,220.12</u>	<u>25,700.26</u>	<u>120,050.00</u>	<u>(94,349.74)</u>	<u>21.41%</u>
EXPENDITURES					
Non-Departmental	12,486.72	24,271.03	88,465.00	64,193.97	27.43%
Total EXPENDITURES	<u>12,486.72</u>	<u>24,271.03</u>	<u>88,465.00</u>	<u>64,193.97</u>	<u>27.44%</u>
Excess Revenues Over (Under) Expenses	<u>733.40</u>	<u>1,429.23</u>	<u>31,585.00</u>	<u>(30,155.77)</u>	<u>4.52%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
310 - Court Security Fund
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Court	<u>73.75</u>	<u>137.13</u>	<u>1,200.00</u>	<u>(1,062.87)</u>	<u>11.42%</u>
Total REVENUES	<u>73.75</u>	<u>137.13</u>	<u>1,200.00</u>	<u>(1,062.87)</u>	<u>11.43%</u>
EXPENDITURES					
Court	<u>0.00</u>	<u>0.00</u>	<u>1,000.00</u>	<u>1,000.00</u>	<u>0.00%</u>
Total EXPENDITURES	<u>0.00</u>	<u>0.00</u>	<u>1,000.00</u>	<u>1,000.00</u>	<u>0.00%</u>
Excess Revenues Over (Under) Expenses	<u>73.75</u>	<u>137.13</u>	<u>200.00</u>	<u>(62.87)</u>	<u>68.56%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
320 - Court Technology Fund
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Court	<u>61.00</u>	<u>112.74</u>	<u>1,600.00</u>	<u>(1,487.26)</u>	<u>7.04%</u>
Total REVENUES	<u>61.00</u>	<u>112.74</u>	<u>1,600.00</u>	<u>(1,487.26)</u>	<u>7.05%</u>
EXPENDITURES					
Court	<u>1.40</u>	<u>1.40</u>	<u>4,000.00</u>	<u>3,998.60</u>	<u>0.03%</u>
Total EXPENDITURES	<u>1.40</u>	<u>1.40</u>	<u>4,000.00</u>	<u>3,998.60</u>	<u>0.03%</u>
Excess Revenues Over (Under) Expenses	<u>59.60</u>	<u>111.34</u>	<u>(2,400.00)</u>	<u>2,511.34</u>	<u>(4.63)%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
330 - Court Efficiency Fund
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Court	<u>0.00</u>	<u>0.00</u>	<u>100.00</u>	<u>(100.00)</u>	<u>0.00%</u>
Total REVENUES	<u>0.00</u>	<u>0.00</u>	<u>100.00</u>	<u>(100.00)</u>	<u>0.00%</u>
EXPENDITURES					
Court	<u>0.00</u>	<u>0.00</u>	<u>100.00</u>	<u>100.00</u>	<u>0.00%</u>
Total EXPENDITURES	<u>0.00</u>	<u>0.00</u>	<u>100.00</u>	<u>100.00</u>	<u>0.00%</u>
Excess Revenues Over (Under) Expenses	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
430 - Debt Service Fund Series 2014
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Non-Departmental	<u>2,332.80</u>	<u>2,566.05</u>	<u>200,250.00</u>	<u>(197,683.95)</u>	<u>1.28%</u>
Total REVENUES	<u>2,332.80</u>	<u>2,566.05</u>	<u>200,250.00</u>	<u>(197,683.95)</u>	<u>1.28%</u>
EXPENDITURES					
Non-Departmental	<u>0.00</u>	<u>0.00</u>	<u>199,950.00</u>	<u>199,950.00</u>	<u>0.00%</u>
Total EXPENDITURES	<u>0.00</u>	<u>0.00</u>	<u>199,950.00</u>	<u>199,950.00</u>	<u>0.00%</u>
Excess Revenues Over (Under) Expenses	<u>2,332.80</u>	<u>2,566.05</u>	<u>300.00</u>	<u>2,266.05</u>	<u>855.35%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
440 - Debt Service Fund Series 2012
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Non-Departmental	<u>3,723.63</u>	<u>4,111.16</u>	<u>318,920.00</u>	<u>(314,808.84)</u>	<u>1.28%</u>
Total REVENUES	<u>3,723.63</u>	<u>4,111.16</u>	<u>318,920.00</u>	<u>(314,808.84)</u>	<u>1.29%</u>
EXPENDITURES					
Non-Departmental	<u>0.00</u>	<u>0.00</u>	<u>317,920.00</u>	<u>317,920.00</u>	<u>0.00%</u>
Total EXPENDITURES	<u>0.00</u>	<u>0.00</u>	<u>317,920.00</u>	<u>317,920.00</u>	<u>0.00%</u>
Excess Revenues Over (Under) Expenses	<u>3,723.63</u>	<u>4,111.16</u>	<u>1,000.00</u>	<u>3,111.16</u>	<u>411.11%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
450 - Debt Service Fund Series 2019
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Non-Departmental	<u>4,764.33</u>	<u>5,226.85</u>	<u>410,250.00</u>	<u>(405,023.15)</u>	<u>1.27%</u>
Total REVENUES	<u>4,764.33</u>	<u>5,226.85</u>	<u>410,250.00</u>	<u>(405,023.15)</u>	<u>1.27%</u>
EXPENDITURES					
Non-Departmental	<u>0.00</u>	<u>0.00</u>	<u>409,250.00</u>	<u>409,250.00</u>	<u>0.00%</u>
Total EXPENDITURES	<u>0.00</u>	<u>0.00</u>	<u>409,250.00</u>	<u>409,250.00</u>	<u>0.00%</u>
Excess Revenues Over (Under) Expenses	<u>4,764.33</u>	<u>5,226.85</u>	<u>1,000.00</u>	<u>4,226.85</u>	<u>522.68%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures

460 - Debt Service Fd Series 2020

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Non-Departmental	<u>3,771.13</u>	<u>3,771.13</u>	<u>317,965.00</u>	<u>(314,193.87)</u>	<u>1.18%</u>
Total REVENUES	<u>3,771.13</u>	<u>3,771.13</u>	<u>317,965.00</u>	<u>(314,193.87)</u>	<u>1.19%</u>
EXPENDITURES					
Non-Departmental	<u>0.00</u>	<u>0.00</u>	<u>317,465.00</u>	<u>317,465.00</u>	<u>0.00%</u>
Total EXPENDITURES	<u>0.00</u>	<u>0.00</u>	<u>317,465.00</u>	<u>317,465.00</u>	<u>0.00%</u>
Excess Revenues Over (Under) Expenses	<u>3,771.13</u>	<u>3,771.13</u>	<u>500.00</u>	<u>3,271.13</u>	<u>754.22%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures

702 - Drainage Fund

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Capital Improvements	<u>5,500.00</u>	<u>5,500.00</u>	<u>30,000.00</u>	<u>(24,500.00)</u>	<u>18.33%</u>
Total REVENUES	<u>5,500.00</u>	<u>5,500.00</u>	<u>30,000.00</u>	<u>(24,500.00)</u>	<u>18.33%</u>
EXPENDITURES					
Capital Improvements	<u>3,135.00</u>	<u>3,135.00</u>	<u>135,000.00</u>	<u>131,865.00</u>	<u>2.32%</u>
Total EXPENDITURES	<u>3,135.00</u>	<u>3,135.00</u>	<u>135,000.00</u>	<u>131,865.00</u>	<u>2.32%</u>
Excess Revenues Over (Under) Expenses	<u>2,365.00</u>	<u>2,365.00</u>	<u>(105,000.00)</u>	<u>107,365.00</u>	<u>(2.25)%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures
800 - Waste Water Fund
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Non-Departmental	<u>55,497.67</u>	<u>111,315.99</u>	<u>654,760.00</u>	<u>(543,444.01)</u>	<u>17.00%</u>
Total REVENUES	<u>55,497.67</u>	<u>111,315.99</u>	<u>654,760.00</u>	<u>(543,444.01)</u>	<u>17.00%</u>
EXPENDITURES					
Non-Departmental	<u>52,612.28</u>	<u>76,199.60</u>	<u>738,220.00</u>	<u>662,020.40</u>	<u>10.32%</u>
Total EXPENDITURES	<u>52,612.28</u>	<u>76,199.60</u>	<u>738,220.00</u>	<u>662,020.40</u>	<u>10.32%</u>
Excess Revenues Over (Under) Expenses	<u>2,885.39</u>	<u>35,116.39</u>	<u>(83,460.00)</u>	<u>118,576.39</u>	<u>(42.07)%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

10 - Administration

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget	
REVENUES						
Taxes						
4000	Current Property Taxes	15,396.32	16,621.03	1,319,671.00	(1,303,049.97)	1.25%
4020	Penalty & Int on Taxes	41.25	269.72	2,000.00	(1,730.28)	13.48%
4030	Gross Receipts Tax (Gas)	3,520.56	3,520.56	13,000.00	(9,479.44)	27.08%
4035	Telecommunication Tax	6,595.09	6,611.80	71,600.00	(64,988.20)	9.23%
4036	Mixed Beverage Tax	0.00	672.92	5,000.00	(4,327.08)	13.45%
4037	4-B Sales Tax	13,214.42	25,688.65	120,000.00	(94,311.35)	21.40%
4040	City Sales Tax	52,857.67	102,829.51	500,000.00	(397,170.49)	20.56%
4050	Franchise Tax (Cable TV)	728.18	1,227.52	5,000.00	(3,772.48)	24.55%
4051	Electric Utility Franchise Fee	0.00	0.00	98,000.00	(98,000.00)	0.00%
	Total Taxes	92,353.49	157,441.71	2,134,271.00	(1,976,829.29)	7.38%
Charges for Services						
4209	RCDC Administration Fees	0.00	0.00	88,000.00	(88,000.00)	0.00%
	Total Charges for Services	0.00	0.00	88,000.00	(88,000.00)	0.00%
Licenses & Permits						
4516	Solicitation Permit Fees	0.00	0.00	100.00	(100.00)	0.00%
	Total Licenses & Permits	0.00	0.00	100.00	(100.00)	0.00%
Interest Income						
4400	Interest Income	17.60	37.30	2,000.00	(1,962.70)	1.86%
4401	Interest Income - Checking	23.25	51.28	100.00	(48.72)	51.28%
4405	Interest Income - Tax Notes	49.40	100.44	200.00	(99.56)	50.22%
	Total Interest Income	90.25	189.02	2,300.00	(2,110.98)	8.22%
Revenues						
4540	Miscellaneous Receipts	0.00	132.00	500.00	(368.00)	26.40%
4736	Water Fund Administrative Fee	0.00	0.00	40,000.00	(40,000.00)	0.00%
4737	Wastewater Fd Admin Fee	0.00	0.00	28,000.00	(28,000.00)	0.00%
	Total Revenues	0.00	132.00	68,500.00	(68,368.00)	0.19%
	Total REVENUES	92,443.74	157,762.73	2,293,171.00	(2,135,408.27)	6.88%
EXPENDITURES						
Personnel Expenses						
5000	Salary	7,823.99	15,576.40	101,233.00	85,656.60	15.38%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

10 - Administration

From 11/1/2020 Through 11/30/2020

		Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
5002	Holiday Compensation	0.00	0.00	5,000.00	5,000.00	0.00%
5009	Retirement Payout Reserve	0.00	0.00	10,000.00	10,000.00	0.00%
5010	Training	115.00	115.00	8,000.00	7,885.00	1.43%
5020	Health Insurance	659.32	1,006.54	8,193.00	7,186.46	12.28%
5030	Workers Comp. Insurance	0.00	1,496.77	1,500.00	3.23	99.78%
5035	Social Security/Medicare Tax	598.53	1,191.59	7,305.00	6,113.41	16.31%
5040	Unemployment Comp. Insurance	0.00	0.00	132.00	132.00	0.00%
5050	Tx Mun Retire Systm Exp	3,285.28	6,530.81	11,628.00	5,097.19	56.16%
	Total Personnel Expenses	12,482.12	25,917.11	152,991.00	127,073.89	16.94%
	Supplies & Operations Expenses					
5101	Fax / Copier	0.00	0.00	3,500.00	3,500.00	0.00%
5103	Printing & Reproduction	450.00	1,992.78	3,000.00	1,007.22	66.42%
5110	Postage	300.00	300.00	1,200.00	900.00	25.00%
5114	COVID-19	31,138.42	33,168.26	0.00	(33,168.26)	0.00%
5120	Subscriptions & Memberships	70.99	1,094.99	4,700.00	3,605.01	23.29%
5125	Travel	0.00	0.00	2,000.00	2,000.00	0.00%
5140	Telephone	204.15	204.15	5,000.00	4,795.85	4.08%
5157	Records Management	215.13	215.13	7,500.00	7,284.87	2.86%
5158	Office Supplies	1,210.69	1,210.69	8,000.00	6,789.31	15.13%
5331	Advertising	0.00	0.00	4,000.00	4,000.00	0.00%
	Total Supplies & Operations Expenses	33,589.38	38,186.00	38,900.00	714.00	98.16%
	Contractual Services					
5188	Legal Services-PPIA	0.00	0.00	7,500.00	7,500.00	0.00%
5204	Legal Services-MoPac	0.00	0.00	40,000.00	40,000.00	0.00%
5207	Legal Services-Code Review	0.00	0.00	5,000.00	5,000.00	0.00%
5210	Legal Services	0.00	0.00	90,000.00	90,000.00	0.00%
5214	Emergency Notification System	1,275.00	1,275.00	2,400.00	1,125.00	53.12%
5217	Payroll Services	354.15	354.15	4,500.00	4,145.85	7.87%
5226	Drug Testing	0.00	0.00	100.00	100.00	0.00%
5230	Audit	0.00	0.00	20,000.00	20,000.00	0.00%
5231	Health Fee/Travis County	0.00	0.00	1,500.00	1,500.00	0.00%
5236	Communications and Outreach	373.75	373.75	25,000.00	24,626.25	1.49%
5237	Tax Assessment/Collection	0.00	0.00	2,000.00	2,000.00	0.00%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

10 - Administration

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
5240 Insurance - Prop & Gen Liab	0.00	6,724.76	8,500.00	1,775.24	79.11%
5250 Insurance - Official Liability	0.00	3,372.18	5,200.00	1,827.82	64.84%
5260 Appraisal District - T/C	0.00	0.00	9,500.00	9,500.00	0.00%
5270 Engineering Services	<u>5,430.66</u>	<u>5,430.66</u>	<u>30,000.00</u>	<u>24,569.34</u>	<u>18.10%</u>
Total Contractual Services	7,433.56	17,530.50	251,200.00	233,669.50	6.98%
Miscellaneous/Other Expenses					
5300 Computer Software & Support	3,812.93	3,812.93	20,000.00	16,187.07	19.06%
5301 Public Meetings Technology	4,140.17	4,140.17	10,000.00	5,859.83	41.40%
5302 Website Support	500.00	800.00	5,000.00	4,200.00	16.00%
5309 Incode Software	0.00	0.00	80,100.00	80,100.00	0.00%
5325 Election Services	0.00	0.00	2,000.00	2,000.00	0.00%
5330 Election, Public Notice	0.00	0.00	1,000.00	1,000.00	0.00%
5332 Comprehensive Long Range Plan	625.00	1,270.00	30,000.00	28,730.00	4.23%
5340 Miscellaneous	121.04	121.04	0.00	(121.04)	0.00%
5341 Zilker Clubhouse	<u>0.00</u>	<u>0.00</u>	<u>1,350.00</u>	<u>1,350.00</u>	<u>0.00%</u>
Total Miscellaneous/Other Expenses	9,199.14	10,144.14	149,450.00	139,305.86	6.79%
Capital Outlays					
5413 Furniture	0.00	0.00	1,000.00	1,000.00	0.00%
5414 Computers	<u>332.50</u>	<u>332.50</u>	<u>1,000.00</u>	<u>667.50</u>	<u>33.25%</u>
Total Capital Outlays	332.50	332.50	2,000.00	1,667.50	16.63%
Non-Departmental Expenses					
5525 4B Sales Tax Allocation	<u>12,474.23</u>	<u>24,258.54</u>	<u>150,000.00</u>	<u>125,741.46</u>	<u>16.17%</u>
Total Non-Departmental Expenses	12,474.23	24,258.54	150,000.00	125,741.46	16.17%
Total EXPENDITURES	<u>75,510.93</u>	<u>116,368.79</u>	<u>744,541.00</u>	<u>628,172.21</u>	<u>15.63%</u>
Excess Revenues Over (Under) Expenses	<u>16,932.81</u>	<u>41,393.94</u>	<u>1,548,630.00</u>	<u>(1,507,236.06)</u>	<u>2.67%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

15 - Development Services

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
REVENUES					
Charges for Services					
4510	0.00	300.00	0.00	300.00	0.00%
	0.00	300.00	0.00	300.00	0.00%
Licenses & Permits					
4210	1,500.00	1,500.00	2,000.00	(500.00)	75.00%
4301	1,240.00	1,240.00	500.00	740.00	248.00%
4302	3,000.00	4,125.00	60,000.00	(55,875.00)	6.87%
4303	12,743.78	19,788.53	90,000.00	(70,211.47)	21.98%
4305	75.00	75.00	1,000.00	(925.00)	7.50%
4306	0.00	0.00	150.00	(150.00)	0.00%
4311	0.00	0.00	500.00	(500.00)	0.00%
	18,558.78	26,728.53	154,150.00	(127,421.47)	17.34%
	18,558.78	27,028.53	154,150.00	(127,121.47)	17.53%
EXPENDITURES					
Personnel Expenses					
5000	5,388.58	10,667.89	85,583.00	74,915.11	12.46%
5010	250.00	250.00	3,000.00	2,750.00	8.33%
5020	602.63	898.56	9,422.00	8,523.44	9.53%
5030	0.00	947.95	950.00	2.05	99.78%
5035	412.22	816.08	6,547.00	5,730.92	12.46%
5040	0.00	0.00	152.00	152.00	0.00%
5050	655.26	1,297.22	10,015.00	8,717.78	12.95%
	7,308.69	14,877.70	115,669.00	100,791.30	12.86%
Supplies & Operations Expenses					
5101	0.00	0.00	100.00	100.00	0.00%
5103	0.00	0.00	100.00	100.00	0.00%
5110	0.00	0.00	500.00	500.00	0.00%
5120	0.00	0.00	500.00	500.00	0.00%
5125	0.00	0.00	1,000.00	1,000.00	0.00%
5140	62.14	62.14	1,000.00	937.86	6.21%
5158	4.38	4.38	100.00	95.62	4.38%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes
100 - General Fund
15 - Development Services
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
5331 Advertising	0.00	0.00	1,000.00	1,000.00	0.00%
Total Supplies & Operations Expenses	66.52	66.52	4,300.00	4,233.48	1.55%
Contractual Services					
5200 Building Inspection Service	290.00	290.00	50,000.00	49,710.00	0.58%
5251 Building Plan Reviews	2,625.00	2,625.00	15,000.00	12,375.00	17.50%
5252 Zoning Reviews	0.00	0.00	30,000.00	30,000.00	0.00%
5253 Arborist Reviews	0.00	0.00	1,500.00	1,500.00	0.00%
5257 My Permit Now	0.00	0.00	2,000.00	2,000.00	0.00%
Total Contractual Services	2,915.00	2,915.00	98,500.00	95,585.00	2.96%
Miscellaneous/Other Expenses					
5300 Computer Software & Support	0.00	0.00	2,000.00	2,000.00	0.00%
Total Miscellaneous/Other Expenses	0.00	0.00	2,000.00	2,000.00	0.00%
Total EXPENDITURES	10,290.21	17,859.22	220,469.00	202,609.78	8.10%
Excess Revenues Over (Under) Expenses	8,268.57	9,169.31	(66,319.00)	75,488.31	(13.82)%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

20 - Sanitation

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>	
EXPENDITURES						
Miscellaneous/Other Expenses						
5286	Spring Clean-Up	0.00	0.00	1,000.00	1,000.00	0.00%
5370	Waste & Disposal Service	11,514.59	11,514.59	125,000.00	113,485.41	9.21%
	Total Miscellaneous/Other Expenses	11,514.59	11,514.59	126,000.00	114,485.41	9.14%
	Total EXPENDITURES	11,514.59	11,514.59	126,000.00	114,485.41	9.14%
	Excess Revenues Over (Under) Expenses	(11,514.59)	(11,514.59)	(126,000.00)	114,485.41	9.13%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

30 - Streets

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
REVENUES					
Other Revenues					
4721	12,486.72	24,271.03	88,465.00	(64,193.97)	27.43%
	12,486.72	24,271.03	88,465.00	(64,193.97)	27.44%
	12,486.72	24,271.03	88,465.00	(64,193.97)	27.44%
EXPENDITURES					
Personnel Expenses					
5000	3,901.28	7,773.41	49,381.00	41,607.59	15.74%
5020	384.43	683.66	5,735.00	5,051.34	11.92%
5030	0.00	698.49	700.00	1.51	99.78%
5035	298.45	594.67	3,778.00	3,183.33	15.74%
5040	2.50	8.91	92.00	83.09	9.68%
5050	474.59	945.45	5,779.00	4,833.55	16.36%
	5,061.25	10,704.59	65,465.00	54,760.41	16.35%
Supplies & Operations Expenses					
5130	202.17	202.17	1,800.00	1,597.83	11.23%
5140	79.89	79.89	500.00	420.11	15.97%
5145	0.00	0.00	400.00	400.00	0.00%
5161	0.00	0.00	1,500.00	1,500.00	0.00%
5180	0.00	148.75	2,000.00	1,851.25	7.43%
5181	0.00	0.00	1,000.00	1,000.00	0.00%
5190	0.00	0.00	1,000.00	1,000.00	0.00%
5195	156.26	156.26	2,500.00	2,343.74	6.25%
5196	0.00	27.15	500.00	472.85	5.43%
5255	0.00	426.58	600.00	173.42	71.09%
5350	0.00	0.00	1,000.00	1,000.00	0.00%
5355	105.20	105.20	10,000.00	9,894.80	1.05%
	543.52	1,146.00	22,800.00	21,654.00	5.03%
Contractual Services					
5276	0.00	0.00	200.00	200.00	0.00%
	0.00	0.00	200.00	200.00	0.00%
	5,604.77	11,850.59	88,465.00	76,614.41	13.40%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes
100 - General Fund
30 - Streets
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
Excess Revenues Over (Under) Expenses	<u>6,881.95</u>	<u>12,420.44</u>	<u>0.00</u>	<u>12,420.44</u>	<u>0.00%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

40 - Police

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget	
REVENUES						
Revenues						
4542	Police Miscellaneous Revenue	0.00	5.00	250.00	(245.00)	2.00%
4558	Vehicle Operations	120.00	200.00	500.00	(300.00)	40.00%
4567	LEOSE Funds	0.00	0.00	1,000.00	(1,000.00)	0.00%
	Total Revenues	120.00	205.00	1,750.00	(1,545.00)	11.71%
	Total REVENUES	120.00	205.00	1,750.00	(1,545.00)	11.71%
EXPENDITURES						
Personnel Expenses						
5000	Salary	50,716.13	106,620.95	729,655.00	623,034.05	14.61%
5006	Overtime	100.58	100.58	10,000.00	9,899.42	1.00%
5007	Stipends	950.00	950.00	13,560.00	12,610.00	7.00%
5009	Retirement Payout Reserve	0.00	0.00	10,000.00	10,000.00	0.00%
5010	Training	(340.00)	(340.00)	7,000.00	7,340.00	(4.85)%
5011	Reserve Officer Pay	962.00	2,860.00	31,200.00	28,340.00	9.16%
5020	Health Insurance	5,672.87	8,588.35	76,602.00	68,013.65	11.21%
5030	Workers Comp. Insurance	0.00	10,776.72	10,800.00	23.28	99.78%
5035	Social Security/Medicare Tax	3,744.88	7,912.75	55,819.00	47,906.25	14.17%
5040	Unemployment Comp. Insurance	0.00	0.00	1,234.00	1,234.00	0.00%
5050	Tx Mun Retire System Exp	3,209.80	6,857.24	84,275.00	77,417.76	8.13%
5070	Police Professional Liability	0.00	5,490.94	8,500.00	3,009.06	64.59%
	Total Personnel Expenses	65,016.26	149,817.53	1,038,645.00	888,827.47	14.42%
Supplies & Operations Expenses						
5103	Printing & Reproduction	0.00	0.00	500.00	500.00	0.00%
5106	Ticket Writer Fees	0.00	0.00	2,000.00	2,000.00	0.00%
5107	Police Qualification	0.00	0.00	2,500.00	2,500.00	0.00%
5109	Bicycle Maintenance	0.00	0.00	250.00	250.00	0.00%
5110	Postage	19.01	19.01	250.00	230.99	7.60%
5140	Telephone	292.93	292.93	7,300.00	7,007.07	4.01%
5143	Police Car & Accessories	0.00	0.00	5,000.00	5,000.00	0.00%
5144	Police Supplies	0.00	0.00	5,000.00	5,000.00	0.00%
5145	Uniforms & Accessories	0.00	0.00	8,500.00	8,500.00	0.00%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes
 100 - General Fund
 40 - Police
 From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget	
5157	Records Management	0.00	0.00	5,700.00	5,700.00	0.00%
5158	Office Supplies	19.89	19.89	1,000.00	980.11	1.98%
5159	National Night Out Supplies	92.99	92.99	2,500.00	2,407.01	3.71%
5185	Communication Equipment Maint	0.00	0.00	1,000.00	1,000.00	0.00%
5186	Radar Certification	0.00	0.00	250.00	250.00	0.00%
5195	Vehicle Operations	1,048.61	1,048.61	10,000.00	8,951.39	10.48%
5196	Vehicle Maintenance & Repairs	0.00	2,548.60	10,000.00	7,451.40	25.48%
5255	Vehicle Insurance	0.00	3,590.39	5,050.00	1,459.61	71.09%
	Total Supplies & Operations Expenses	1,473.43	7,612.42	66,800.00	59,187.58	11.40%
	Contractual Services					
5211	Radio Services	4,304.52	4,304.52	5,870.00	1,565.48	73.33%
5216	Dispatch Services	0.00	0.00	23,000.00	23,000.00	0.00%
5226	Drug Testing	0.00	0.00	200.00	200.00	0.00%
5238	Temporary Building Expenses	9.05	9.05	300.00	290.95	3.01%
5239	Laboratory Services	0.00	0.00	1,000.00	1,000.00	0.00%
	Total Contractual Services	4,313.57	4,313.57	30,370.00	26,056.43	14.20%
	Miscellaneous/Other Expenses					
5300	Computer Software & Support	2,154.40	4,241.60	30,200.00	25,958.40	14.04%
	Total Miscellaneous/Other Expenses	2,154.40	4,241.60	30,200.00	25,958.40	14.05%
	Capital Outlays					
5411	Video Cameras/Microphones	0.00	0.00	1,000.00	1,000.00	0.00%
5414	Computers	0.00	0.00	13,000.00	13,000.00	0.00%
5495	New Vehicle and Outfitting	500.00	12,243.13	12,000.00	(243.13)	102.02%
	Total Capital Outlays	500.00	12,243.13	26,000.00	13,756.87	47.09%
	Total EXPENDITURES	73,457.66	178,228.25	1,192,015.00	1,013,786.75	14.95%
	Excess Revenues Over (Under) Expenses	(73,337.66)	(178,023.25)	(1,190,265.00)	1,012,241.75	14.95%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

50 - Court

From 11/1/2020 Through 11/30/2020

		<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES						
Fines/Forfeitures & Penalties						
4100	Court Fines	722.80	1,016.79	35,000.00	(33,983.21)	2.90%
4101	Collection Agency Fees	38.85	38.85	2,000.00	(1,961.15)	1.94%
4527	Drivers Safety Course Adm fee	0.00	0.00	100.00	(100.00)	0.00%
4528	Truancy Prevention Fund	0.00	0.00	500.00	(500.00)	0.00%
	Total Fines/Forfeitures & Penalties	<u>761.65</u>	<u>1,055.64</u>	<u>37,600.00</u>	<u>(36,544.36)</u>	<u>2.81%</u>
Revenues						
4055	Child Safety Revenue	144.83	298.61	2,000.00	(1,701.39)	14.93%
4490	Truancy Prevention and Diversi	73.72	138.40	200.00	(61.60)	69.20%
4492	Municipal Jury Fund	1.46	2.75	50.00	(47.25)	5.50%
4500	Administrative Court Fees	272.54	438.05	5,000.00	(4,561.95)	8.76%
4526	Credit-Debit Card Fees	71.11	131.56	1,500.00	(1,368.44)	8.77%
	Total Revenues	<u>563.66</u>	<u>1,009.37</u>	<u>8,750.00</u>	<u>(7,740.63)</u>	<u>11.54%</u>
	Total REVENUES	<u>1,325.31</u>	<u>2,065.01</u>	<u>46,350.00</u>	<u>(44,284.99)</u>	<u>4.46%</u>
EXPENDITURES						
Personnel Expenses						
5000	Salary	2,552.32	5,073.99	41,688.00	36,614.01	12.17%
5010	Training	0.00	0.00	500.00	500.00	0.00%
5020	Health Insurance	67.56	101.04	986.00	884.96	10.24%
5030	Workers Comp. Insurance	0.00	997.84	1,000.00	2.16	99.78%
5035	Social Security/Medicare Tax	310.01	560.29	4,566.00	4,005.71	12.27%
5040	Unemployment Comp. Insurance	0.00	0.00	100.00	100.00	0.00%
5050	Tx Mun Retire Systm Exp	310.35	616.97	4,879.00	4,262.03	12.64%
	Total Personnel Expenses	<u>3,240.24</u>	<u>7,350.13</u>	<u>53,719.00</u>	<u>46,368.87</u>	<u>13.68%</u>
Supplies & Operations Expenses						
5103	Printing & Reproduction	0.00	0.00	625.00	625.00	0.00%
5110	Postage	0.00	0.00	250.00	250.00	0.00%
5120	Subscriptions & Memberships	55.00	55.00	100.00	45.00	55.00%
5125	Travel	0.00	0.00	50.00	50.00	0.00%
5140	Telephone	159.78	159.78	1,000.00	840.22	15.97%
5158	Office Supplies	185.71	185.71	250.00	64.29	74.28%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

50 - Court

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
Total Supplies & Operations Expenses	<u>400.49</u>	<u>400.49</u>	<u>2,275.00</u>	<u>1,874.51</u>	<u>17.60%</u>
Contractual Services					
5201 Collection Agency Fees	0.00	0.00	1,000.00	1,000.00	0.00%
5206 Incode Online Pmt Processing	211.05	559.20	9,000.00	8,440.80	6.21%
5210 Legal Services	0.00	0.00	20,000.00	20,000.00	0.00%
5212 Presiding Judge Expense	1,500.00	2,250.00	18,000.00	15,750.00	12.50%
5213 Interpreter Fees	<u>0.00</u>	<u>0.00</u>	<u>600.00</u>	<u>600.00</u>	<u>0.00%</u>
Total Contractual Services	1,711.05	2,809.20	48,600.00	45,790.80	5.78%
Miscellaneous/Other Expenses					
5300 Computer Software & Support	<u>21.00</u>	<u>21.00</u>	<u>0.00</u>	<u>(21.00)</u>	<u>0.00%</u>
Total Miscellaneous/Other Expenses	<u>21.00</u>	<u>21.00</u>	<u>0.00</u>	<u>(21.00)</u>	<u>0.00%</u>
Total EXPENDITURES	<u>5,372.78</u>	<u>10,580.82</u>	<u>104,594.00</u>	<u>94,013.18</u>	<u>10.12%</u>
Excess Revenues Over (Under) Expenses	<u>(4,047.47)</u>	<u>(8,515.81)</u>	<u>(58,244.00)</u>	<u>49,728.19</u>	<u>14.62%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes
 100 - General Fund
 55 - Park Department
 From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
REVENUES					
Revenues					
4355	0.00	10.00	100.00	(90.00)	10.00%
4519	0.00	255.00	200.00	55.00	127.50%
4523	0.00	0.00	100.00	(100.00)	0.00%
	<u>0.00</u>	<u>265.00</u>	<u>400.00</u>	<u>(135.00)</u>	<u>66.25%</u>
Total REVENUES	<u>0.00</u>	<u>265.00</u>	<u>400.00</u>	<u>(135.00)</u>	<u>66.25%</u>
EXPENDITURES					
Personnel Expenses					
5000	3,383.92	6,759.11	37,556.00	30,796.89	17.99%
5010	250.00	250.00	0.00	(250.00)	0.00%
5020	400.51	600.93	4,096.00	3,495.07	14.67%
5030	0.00	498.92	500.00	1.08	99.78%
5035	258.87	517.07	2,873.00	2,355.93	17.99%
5040	2.49	5.69	57.00	51.31	9.98%
5050	1,160.86	2,309.21	4,338.00	2,028.79	53.23%
	<u>5,456.65</u>	<u>10,940.93</u>	<u>49,420.00</u>	<u>38,479.07</u>	<u>22.14%</u>
Supplies & Operations Expenses					
5103	0.00	0.00	500.00	500.00	0.00%
5130	1,797.37	1,871.55	500.00	(1,371.55)	374.31%
5140	4.63	4.63	0.00	(4.63)	0.00%
5158	136.35	136.35	100.00	(36.35)	136.35%
5164	0.00	34.75	1,000.00	965.25	3.47%
5171	0.00	0.00	3,500.00	3,500.00	0.00%
5190	547.75	547.75	3,000.00	2,452.25	18.25%
5191	234.56	234.56	2,500.00	2,265.44	9.38%
5195	0.00	0.00	1,500.00	1,500.00	0.00%
5196	0.00	0.00	1,000.00	1,000.00	0.00%
5198	0.00	0.00	8,500.00	8,500.00	0.00%
5255	0.00	0.00	1,500.00	1,500.00	0.00%
	<u>2,720.66</u>	<u>2,829.59</u>	<u>23,600.00</u>	<u>20,770.41</u>	<u>11.99%</u>
Miscellaneous/Other Expenses					

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes
100 - General Fund
55 - Park Department
From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>	
5300	Computer Software & Support	1.40	1.40	500.00	498.60	0.28%
	Total Miscellaneous/Other Expenses	1.40	1.40	500.00	498.60	0.28%
	Capital Outlays					
5455	Improvements to Exist Park Asset	0.00	0.00	5,000.00	5,000.00	0.00%
5456	Plants for Walking Trail	0.00	0.00	2,000.00	2,000.00	0.00%
5512	Playground Mulching & Maintena	0.00	0.00	5,000.00	5,000.00	0.00%
	Total Capital Outlays	0.00	0.00	12,000.00	12,000.00	0.00%
	Non-Departmental Expenses					
5515	Maintenance Building	760.00	1,520.00	0.00	(1,520.00)	0.00%
	Total Non-Departmental Expenses	760.00	1,520.00	0.00	(1,520.00)	0.00%
	Total EXPENDITURES	8,938.71	15,291.92	85,520.00	70,228.08	17.88%
	Excess Revenues Over (Under) Expenses	(8,938.71)	(15,026.92)	(85,120.00)	70,093.08	17.65%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

65 - Public Works

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
EXPENDITURES					
Supplies & Operations Expenses					
5130	386.39	826.63	6,000.00	5,173.37	13.77%
5140	4.25	4.25	300.00	295.75	1.41%
5158	19.89	19.89	1,000.00	980.11	1.98%
	<u>410.53</u>	<u>850.77</u>	<u>7,300.00</u>	<u>6,449.23</u>	<u>11.65%</u>
Miscellaneous/Other Expenses					
5381	0.00	0.00	250.00	250.00	0.00%
	<u>0.00</u>	<u>0.00</u>	<u>250.00</u>	<u>250.00</u>	<u>0.00%</u>
Non-Departmental Expenses					
5515	1,327.13	1,331.67	9,000.00	7,668.33	14.79%
	<u>1,327.13</u>	<u>1,331.67</u>	<u>9,000.00</u>	<u>7,668.33</u>	<u>14.80%</u>
	<u>1,737.66</u>	<u>2,182.44</u>	<u>16,550.00</u>	<u>14,367.56</u>	<u>13.19%</u>
	<u>(1,737.66)</u>	<u>(2,182.44)</u>	<u>(16,550.00)</u>	<u>14,367.56</u>	<u>13.18%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

200 - Water Fund

60 - Non-Departmental

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Interest Income					
4400	6.10	12.92	500.00	(487.08)	2.58%
4401	11.46	21.98	100.00	(78.02)	21.98%
	17.56	34.90	600.00	(565.10)	5.82%
Revenues					
4600	127,417.71	255,174.21	800,000.00	(544,825.79)	31.89%
4610	426.09	427.09	3,000.00	(2,572.91)	14.23%
4628	0.00	0.00	1,000.00	(1,000.00)	0.00%
	127,843.80	255,601.30	804,000.00	(548,398.70)	31.79%
	127,861.36	255,636.20	804,600.00	(548,963.80)	31.77%
EXPENDITURES					
Personnel Expenses					
5000	14,730.77	29,351.15	222,840.00	193,488.85	13.17%
5010	485.00	485.00	2,500.00	2,015.00	19.40%
5020	1,588.52	2,370.27	25,398.00	23,027.73	9.33%
5030	0.00	2,295.04	2,300.00	4.96	99.78%
5035	1,126.90	2,245.36	17,047.00	14,801.64	13.17%
5040	22.46	65.71	307.00	241.29	21.40%
5050	1,792.03	3,569.87	26,078.00	22,508.13	13.68%
	19,745.68	40,382.40	296,470.00	256,087.60	13.62%
Supplies & Operations Expenses					
5103	0.00	0.00	250.00	250.00	0.00%
5105	0.00	0.00	2,500.00	2,500.00	0.00%
5110	0.00	0.00	100.00	100.00	0.00%
5125	0.00	0.00	1,000.00	1,000.00	0.00%
5140	78.49	78.49	500.00	421.51	15.69%
5145	0.00	0.00	1,000.00	1,000.00	0.00%
5153	0.00	0.00	100.00	100.00	0.00%
5158	8.75	8.75	300.00	291.25	2.91%
5166	161.21	221.74	25,000.00	24,778.26	0.88%
5171	0.00	0.00	1,500.00	1,500.00	0.00%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

200 - Water Fund

60 - Non-Departmental

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
5181	0.00	0.00	500.00	500.00	0.00%
5190	0.00	0.00	1,500.00	1,500.00	0.00%
5193	(250.00)	(250.00)	6,000.00	6,250.00	(4.16)%
5195	156.26	156.26	2,500.00	2,343.74	6.25%
5196	0.00	0.00	500.00	500.00	0.00%
5255	0.00	782.07	1,100.00	317.93	71.09%
	<u>154.71</u>	<u>997.31</u>	<u>44,350.00</u>	<u>43,352.69</u>	<u>2.25%</u>
	Contractual Services				
5167	0.00	0.00	35,000.00	35,000.00	0.00%
5210	0.00	0.00	10,000.00	10,000.00	0.00%
5219	6,671.87	6,671.87	72,000.00	65,328.13	9.26%
5232	617.92	617.92	20,000.00	19,382.08	3.08%
5270	0.00	0.00	5,000.00	5,000.00	0.00%
5271	0.00	0.00	4,000.00	4,000.00	0.00%
5276	0.00	0.00	200.00	200.00	0.00%
5280	77,519.88	77,519.88	550,000.00	472,480.12	14.09%
5296	0.00	0.00	3,000.00	3,000.00	0.00%
	<u>84,809.67</u>	<u>84,809.67</u>	<u>699,200.00</u>	<u>614,390.33</u>	<u>12.13%</u>
	Miscellaneous/Other Expenses				
5300	1.40	1.40	750.00	748.60	0.18%
	<u>1.40</u>	<u>1.40</u>	<u>750.00</u>	<u>748.60</u>	<u>0.19%</u>
	<u>104,711.46</u>	<u>126,190.78</u>	<u>1,040,770.00</u>	<u>914,579.22</u>	<u>12.12%</u>
	Total EXPENDITURES				
	<u>23,149.90</u>	<u>129,445.42</u>	<u>(236,170.00)</u>	<u>365,615.42</u>	<u>(54.81)%</u>
	Excess Revenues Over (Under) Expenses				

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

301 - Street Maintenance Fund

60 - Non-Departmental

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Taxes					
4039	13,214.42	25,688.65	120,000.00	(94,311.35)	21.40%
	13,214.42	25,688.65	120,000.00	(94,311.35)	21.41%
Interest Income					
4400	5.70	11.61	50.00	(38.39)	23.22%
	5.70	11.61	50.00	(38.39)	23.22%
	<u>13,220.12</u>	<u>25,700.26</u>	<u>120,050.00</u>	<u>(94,349.74)</u>	<u>21.41%</u>
EXPENDITURES					
Capital Outlays					
5469	12,486.72	24,271.03	88,465.00	64,193.97	27.43%
	12,486.72	24,271.03	88,465.00	64,193.97	27.44%
	<u>12,486.72</u>	<u>24,271.03</u>	<u>88,465.00</u>	<u>64,193.97</u>	<u>27.44%</u>
	<u>733.40</u>	<u>1,429.23</u>	<u>31,585.00</u>	<u>(30,155.77)</u>	<u>4.52%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

310 - Court Security Fund

50 - Court

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>
REVENUES					
Revenues					
4504	1.53	1.53	1,000.00	(998.47)	0.15%
4505	72.22	135.60	200.00	(64.40)	67.80%
	<u>73.75</u>	<u>137.13</u>	<u>1,200.00</u>	<u>(1,062.87)</u>	<u>11.43%</u>
	<u>73.75</u>	<u>137.13</u>	<u>1,200.00</u>	<u>(1,062.87)</u>	<u>11.43%</u>
EXPENDITURES					
Miscellaneous/Other Expenses					
5311	0.00	0.00	1,000.00	1,000.00	0.00%
	<u>0.00</u>	<u>0.00</u>	<u>1,000.00</u>	<u>1,000.00</u>	<u>0.00%</u>
	<u>0.00</u>	<u>0.00</u>	<u>1,000.00</u>	<u>1,000.00</u>	<u>0.00%</u>
	<u>73.75</u>	<u>137.13</u>	<u>200.00</u>	<u>(62.87)</u>	<u>68.56%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

320 - Court Technology Fund

50 - Court

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
REVENUES					
Revenues					
4491	30.04	81.78	100.00	(18.22)	81.78%
4502	30.96	30.96	1,500.00	(1,469.04)	2.06%
	<u>61.00</u>	<u>112.74</u>	<u>1,600.00</u>	<u>(1,487.26)</u>	<u>7.05%</u>
	Total REVENUES	112.74	1,600.00	(1,487.26)	7.05%
EXPENDITURES					
Miscellaneous/Other Expenses					
5300	1.40	1.40	2,500.00	2,498.60	0.05%
	<u>1.40</u>	<u>1.40</u>	<u>2,500.00</u>	<u>2,498.60</u>	<u>0.06%</u>
	Total Miscellaneous/Other Expenses	1.40	2,500.00	2,498.60	0.06%
Capital Outlays					
5414	0.00	0.00	1,500.00	1,500.00	0.00%
	<u>0.00</u>	<u>0.00</u>	<u>1,500.00</u>	<u>1,500.00</u>	<u>0.00%</u>
	Total CAPITAL OUTLAYS	0.00	1,500.00	1,500.00	0.00%
	Total EXPENDITURES	1.40	4,000.00	3,998.60	0.03%
	<u>59.60</u>	<u>111.34</u>	<u>(2,400.00)</u>	<u>2,511.34</u>	<u>(4.63)%</u>
	Excess Revenues Over (Under) Expenses	111.34	(2,400.00)	2,511.34	(4.63)%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

330 - Court Efficiency Fund

50 - Court

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>	
REVENUES						
Revenues						
4500						
	Administrative Court Fees	0.00	0.00	100.00	(100.00)	0.00%
	Total Revenues	0.00	0.00	100.00	(100.00)	0.00%
	Total REVENUES	0.00	0.00	100.00	(100.00)	0.00%
EXPENDITURES						
Supplies & Operations Expenses						
5158						
	Office Supplies	0.00	0.00	100.00	100.00	0.00%
	Total Supplies & Operations Expenses	0.00	0.00	100.00	100.00	0.00%
	Total EXPENDITURES	0.00	0.00	100.00	100.00	0.00%
	Excess Revenues Over (Under) Expenses	0.00	0.00	0.00	0.00	0.00%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes
 430 - Debt Service Fund Series 2014
 60 - Non-Departmental
 From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget	
REVENUES						
Taxes						
4020	Penalty & Int on Taxes	6.81	43.60	300.00	(256.40)	14.53%
	Total Taxes	6.81	43.60	300.00	(256.40)	14.53%
Interest Income						
4031	Property Tax-Debt Service Fund	2,325.99	2,522.45	199,550.00	(197,027.55)	1.26%
	Total Interest Income	2,325.99	2,522.45	199,550.00	(197,027.55)	1.26%
Other Revenues						
4577	Trf From Streets-Paying Agent	0.00	0.00	400.00	(400.00)	0.00%
	Total Other Revenues	0.00	0.00	400.00	(400.00)	0.00%
	Total REVENUES	2,332.80	2,566.05	200,250.00	(197,683.95)	1.28%
EXPENDITURES						
Contractual Services						
5276	Paying Agent Fees	0.00	0.00	400.00	400.00	0.00%
5298	Bond Principal - Series 2014	0.00	0.00	125,000.00	125,000.00	0.00%
5299	Bond Interest - Series 2014	0.00	0.00	74,550.00	74,550.00	0.00%
	Total Contractual Services	0.00	0.00	199,950.00	199,950.00	0.00%
	Total EXPENDITURES	0.00	0.00	199,950.00	199,950.00	0.00%
	Excess Revenues Over (Under) Expenses	2,332.80	2,566.05	300.00	2,266.05	855.35%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

440 - Debt Service Fund Series 2012

60 - Non-Departmental

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
REVENUES					
Taxes					
4020	15.14	78.33	1,000.00	(921.67)	7.83%
	15.14	78.33	1,000.00	(921.67)	7.83%
Interest Income					
4031	3,708.49	4,032.83	317,520.00	(313,487.17)	1.27%
	3,708.49	4,032.83	317,520.00	(313,487.17)	1.27%
Other Revenues					
4573	0.00	0.00	400.00	(400.00)	0.00%
	0.00	0.00	400.00	(400.00)	0.00%
	<u>3,723.63</u>	<u>4,111.16</u>	<u>318,920.00</u>	<u>(314,808.84)</u>	<u>1.29%</u>
EXPENDITURES					
Contractual Services					
5276	0.00	0.00	400.00	400.00	0.00%
5342	0.00	0.00	22,520.00	22,520.00	0.00%
5343	0.00	0.00	295,000.00	295,000.00	0.00%
	0.00	0.00	317,920.00	317,920.00	0.00%
	<u>0.00</u>	<u>0.00</u>	<u>317,920.00</u>	<u>317,920.00</u>	<u>0.00%</u>
	<u>3,723.63</u>	<u>4,111.16</u>	<u>1,000.00</u>	<u>3,111.16</u>	<u>411.11%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

450 - Debt Service Fund Series 2019

60 - Non-Departmental

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
REVENUES					
Taxes					
4020	8.75	79.16	1,000.00	(920.84)	7.91%
	8.75	79.16	1,000.00	(920.84)	7.92%
Interest Income					
4031	4,755.58	5,147.69	408,850.00	(403,702.31)	1.25%
	4,755.58	5,147.69	408,850.00	(403,702.31)	1.26%
Other Revenues					
4573	0.00	0.00	400.00	(400.00)	0.00%
	0.00	0.00	400.00	(400.00)	0.00%
	4,764.33	5,226.85	410,250.00	(405,023.15)	1.27%
EXPENDITURES					
Contractual Services					
5276	0.00	0.00	400.00	400.00	0.00%
5307	0.00	0.00	408,850.00	408,850.00	0.00%
	0.00	0.00	409,250.00	409,250.00	0.00%
	0.00	0.00	409,250.00	409,250.00	0.00%
	4,764.33	5,226.85	1,000.00	4,226.85	522.68%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes
 460 - Debt Service Fd Series 2020
 60 - Non-Departmental
 From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget	
REVENUES						
Taxes						
4020	Penalty & Int on Taxes	1.31	1.31	500.00	(498.69)	0.26%
	Total Taxes	1.31	1.31	500.00	(498.69)	0.26%
Interest Income						
4031	Property Tax-Debt Service Fund	3,769.82	3,769.82	317,065.00	(313,295.18)	1.18%
	Total Interest Income	3,769.82	3,769.82	317,065.00	(313,295.18)	1.19%
Other Revenues						
4573	Trf From Wastewater-Pay Agent	0.00	0.00	400.00	(400.00)	0.00%
	Total Other Revenues	0.00	0.00	400.00	(400.00)	0.00%
	Total REVENUES	3,771.13	3,771.13	317,965.00	(314,193.87)	1.19%
EXPENDITURES						
Contractual Services						
5276	Paying Agent Fees	0.00	0.00	400.00	400.00	0.00%
5348	Debt Svc Interest Tax Notes	0.00	0.00	37,065.00	37,065.00	0.00%
5349	Debt Svc Principal Tax Notes	0.00	0.00	280,000.00	280,000.00	0.00%
	Total Contractual Services	0.00	0.00	317,465.00	317,465.00	0.00%
	Total EXPENDITURES	0.00	0.00	317,465.00	317,465.00	0.00%
	Excess Revenues Over (Under) Expenses	3,771.13	3,771.13	500.00	3,271.13	754.22%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

702 - Drainage Fund

35 - Capital Improvements

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>	
REVENUES						
Licenses & Permits						
4222	RSDP Revenue - Zone 1	3,500.00	3,500.00	0.00	3,500.00	0.00%
4660	Drainage Review Revenue	2,000.00	2,000.00	30,000.00	(28,000.00)	6.66%
	Total Licenses & Permits	5,500.00	5,500.00	30,000.00	(24,500.00)	18.33%
	Total REVENUES	5,500.00	5,500.00	30,000.00	(24,500.00)	18.33%
EXPENDITURES						
Contractual Services						
5270	Engineering Services	3,135.00	3,135.00	50,000.00	46,865.00	6.27%
	Total Contractual Services	3,135.00	3,135.00	50,000.00	46,865.00	6.27%
Capital Outlays						
5485	MS-4 Expenditures	0.00	0.00	3,000.00	3,000.00	0.00%
5507	Drainage Expenditures-Zone 7	0.00	0.00	82,000.00	82,000.00	0.00%
	Total Capital Outlays	0.00	0.00	85,000.00	85,000.00	0.00%
	Total EXPENDITURES	3,135.00	3,135.00	135,000.00	131,865.00	2.32%
	Excess Revenues Over (Under) Expenses	2,365.00	2,365.00	(105,000.00)	107,365.00	(2.25)%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

800 - Waste Water Fund

60 - Non-Departmental

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
REVENUES					
Interest Income					
4400	30.56	64.77	2,000.00	(1,935.23)	3.23%
4401	10.08	20.82	100.00	(79.18)	20.82%
	40.64	85.59	2,100.00	(2,014.41)	4.08%
Revenues					
4620	46,356.18	93,028.70	540,000.00	(446,971.30)	17.22%
4628	0.00	0.00	3,500.00	(3,500.00)	0.00%
	46,356.18	93,028.70	543,500.00	(450,471.30)	17.12%
Other Revenues					
4706	921.33	1,842.66	11,000.00	(9,157.34)	16.75%
4709	8,179.52	16,359.04	98,160.00	(81,800.96)	16.66%
	9,100.85	18,201.70	109,160.00	(90,958.30)	16.67%
	55,497.67	111,315.99	654,760.00	(543,444.01)	17.00%
EXPENDITURES					
Personnel Expenses					
5000	14,730.77	29,351.15	222,840.00	193,488.85	13.17%
5010	675.00	675.00	1,000.00	325.00	67.50%
5020	1,588.52	2,370.27	25,398.00	23,027.73	9.33%
5030	0.00	2,344.94	2,350.00	5.06	99.78%
5035	1,126.91	2,245.38	17,047.00	14,801.62	13.17%
5040	22.46	65.71	307.00	241.29	21.40%
5050	1,792.03	3,569.87	26,078.00	22,508.13	13.68%
	19,935.69	40,622.32	295,020.00	254,397.68	13.77%
Supplies & Operations Expenses					
5103	0.00	0.00	100.00	100.00	0.00%
5125	0.00	0.00	500.00	500.00	0.00%
5145	0.00	0.00	1,000.00	1,000.00	0.00%
5163	0.00	0.00	3,000.00	3,000.00	0.00%
5166	1,712.34	3,405.64	35,000.00	31,594.36	9.73%
5195	156.27	156.27	2,000.00	1,843.73	7.81%
5255	0.00	782.07	1,100.00	317.93	71.09%

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

800 - Waste Water Fund

60 - Non-Departmental

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget
Total Supplies & Operations Expenses	1,868.61	4,343.98	42,700.00	38,356.02	10.17%
Contractual Services					
5167 Administrative Fees	0.00	0.00	28,000.00	28,000.00	0.00%
5210 Legal Services	0.00	0.00	10,000.00	10,000.00	0.00%
5211 Radio Services	4,225.00	4,225.00	0.00	(4,225.00)	0.00%
5218 Annual Televising/Smoke Testin	0.00	0.00	18,500.00	18,500.00	0.00%
5219 Utility Billing/Collection	0.00	0.00	36,000.00	36,000.00	0.00%
5232 Utility Billing-Collect Add'l	3,326.90	3,326.90	60,000.00	56,673.10	5.54%
5240 Insurance - Prop & Gen Liab	0.00	425.32	500.00	74.68	85.06%
5270 Engineering Services	0.00	0.00	2,500.00	2,500.00	0.00%
5290 Wastewater Fees	22,330.45	22,330.45	230,000.00	207,669.55	9.70%
5292 Industrial Waste Surcharges	921.33	921.33	12,000.00	11,078.67	7.67%
Total Contractual Services	30,803.68	31,229.00	397,500.00	366,271.00	7.86%
Miscellaneous/Other Expenses					
5300 Computer Software & Support	4.30	4.30	3,000.00	2,995.70	0.14%
Total Miscellaneous/Other Expenses	4.30	4.30	3,000.00	2,995.70	0.14%
Total EXPENDITURES	52,612.28	76,199.60	738,220.00	662,020.40	10.32%
Excess Revenues Over (Under) Expenses	2,885.39	35,116.39	(83,460.00)	118,576.39	(42.07)%

City of Rollingwood, Texas
Balance Sheet
As of 11/30/2020

	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total	
ASSETS															
Current Assets															
1000	Operating Cash	904,371.37	519,307.94	235,420.06	0.00	421,043.50	14,991.90	8,494.82	114.31	(1,458.27)	(8,101.58)	(21,317.72)	(673.59)	3,771.13	2,073,963.87
1004	Police Fund Cash	0.00	0.00	0.00	3,315.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,315.13
1005	Cash - Cap Proj SR2014GO Streets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1007	Cash-DS SR2014 GO Streets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1.34)	0.00	0.00	0.00	0.00	0.00	(1.34)
1009	Cash-DS SR2014 Water Improv	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00	0.00	1.34
1011	Refy Cash - Court	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250.00
1014	Cash - Tax Notes	2,003,305.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,003,305.07
1016	Merchant Acct Cash	1,126.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,126.57
1018	Cash - Development Svcs	69,782.63	250.00	0.00	0.00	1,631.93	0.00	0.00	0.00	0.00	700.00	0.00	0.00	0.00	72,364.56
1030	Tax-Pool	173,860.97	60,217.72	0.00	0.00	301,874.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	535,952.91
1131	Net Pension Asset	0.00	(35,780.08)	0.00	0.00	(35,780.08)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(111,560.16)
1141	Deferred Outflows of Resources	0.00	28,973.64	0.00	0.00	28,973.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57,947.28
1142	Deferred Outflows - OPEB	0.00	667.80	0.00	0.00	667.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,335.60

City of Rollingwood, Texas
Balance Sheet
As of 11/30/2020

	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total
1200	Accounts Receivable	827,41	156,528.69	0.00	0.00	83,533.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	240,890.03
1205	Allows for Uncollectibles	0.00	(7,300.00)	0.00	0.00	(9,000.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(16,300.00)
1207	Grants Receivable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1213	Live Oak Mtra Visa PUD	0.00	0.00	0.00	0.00	805.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	805.97
1215	Other Receivables (Varen)	0.00	0.00	0.00	0.00	(611.26)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(611.26)
1216	Mtra Visa PUD Receivable	0.00	0.00	0.00	0.00	2,087.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,087.90
1217	Carcor PUD Receivable	0.01	0.00	0.00	0.00	(0.06)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.05)
1218	Endavor PUD Receivable	0.00	0.00	0.00	0.00	8,071.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,071.42
1219	Restitition Receivable	0.00	0.00	0.00	0.00	921.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	921.33
1230	Taxes Receivable - General	22,116.86	0.00	0.00	0.00	0.00	0.00	0.00	16,934.71	0.00	0.00	0.00	0.00	39,051.57
1250	Allowance For Losses	0.00	(4,500.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(4,500.00)
1350	Sales Tax Receivable	54,039.17	0.00	13,127.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67,166.37
1370	Prepaid Expense Item	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Current Assets	3,229,680.06	698,365.71	248,547.26	3,315.13	784,220.24	14,991.90	8,494.82	114.31	15,476.44	(8,101.58)	(20,617.72)	(673.59)	3,771.13
														4,977,584.11

City of Rollingwood, Texas
Balance Sheet
As of 11/30/2020

	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total
Plant & Equipment														
1600	Water Systems	0.00	1,885,140.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,885,140.74
1601	Water Line Improvements	0.00	1,799,149.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,799,149.92
1605	W/W/W Imp BCR	0.00	561,036.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	561,036.56
1606	Cap Imp Backflow	0.00	92,420.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92,420.00
1610	Accum Depreciation	0.00	(1,709,116.58)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1,709,116.58)
1614	Construction In Progress	0.00	0.00	0.00	0.00	43,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43,000.00
1615	Water Line Improvements	0.00	0.00	0.00	0.00	194,039.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194,039.50
1616	Wastewater System Equipment	0.00	0.00	0.00	0.00	12,262,665.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12,262,665.58
1620	Equipment	0.00	27,951.36	0.00	0.00	99,957.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127,908.58
1621	Equipment-Computer	0.00	1,726.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,726.00
1628	Accum Deprec - Maint & Office	0.00	(37,361.43)	0.00	0.00	(1,302,796.11)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1,340,157.54)
1630	Accum Deprec - Equipment	0.00	0.00	0.00	0.00	(1,126,880.80)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1,126,880.80)
	Total Plant & Equipment	0.00	2,620,946.57	0.00	0.00	19,169,985.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12,799,931.96
	Total ASSETS	3,229,680.06	3,319,312.28	248,547.26	3,315.13	10,954,205.63	14,991.90	8,494.82	114.31	15,476.44	(8,101.58)	(20,617.72)	(673.59)	17,768,516.07

LIABILITIES & RESERVES
Current Liabilities

City of Rollingwood, Texas
Balance Sheet
As of 11/30/2020

	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total
2000	Accounts Payable	(85.65)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(85.65)
2003	Accounts Payable - Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	Accounts Payable Other	9,575.14	(377.65)	0.00	0.00	(2,301.32)	23.33	0.00	0.00	0.00	1,965.00	0.00	0.00	8,884.50
2010	Health Insurance	(12,255.90)	(4,012.79)	0.00	0.00	(4,121.38)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(20,390.07)
2012	Aflac Insurance	(12.57)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(12.57)
2015	Economic Development Sales Tax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	457 BE Proxus	9,110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,110.00
2020	Federal W/H Tax	209.47	0.00	0.00	0.00	(2.99)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	207.38
2030	Unemployment Tax Liability	(1,239.39)	(194.89)	0.00	0.00	(530.24)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1,964.72)
2035	Social Security/Medicare Tax	676.67	(408.72)	0.00	0.00	(71.11)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.84
2050	Appearance Bond Reserve	(738.54)	0.00	0.00	0.00	(9.00)	(16.00)	0.00	0.00	0.00	0.00	0.00	0.00	(763.54)
2055	Omnibus Vendor Reserve	(4.37)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(4.37)
2060	Traffic Fine Reserve	10,292.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,292.21
2070	Deferred Revenues	12,646.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12,646.02

City of Rollingwood, Texas
Balance Sheet
As of 11/30/2020

	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total
2080	TMRs Retirement W/Field	11,407.56	322.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12,505.36
2090	Deferred Revenue-Paving Assess	0.00	0.00	0.00	323.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	323.48
2100	Meter Service Deposits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2110	Compensated Absence Pay	163.00	10,449.66	0.00	10,449.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21,062.32
2115	Salaries Payable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2117	Unclaimed Property	153.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.97
2119	Residual Gov Arround 2805 Pickwi	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,500.00
2120	Bonds Payable-SR2014 Water Imp	0.00	(146,934.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(146,934.00)
2121	Bond Premium-SR2014 Water Imp	0.00	911,635.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	911,635.76
2122	Accrued Interest Payable	0.00	4,166.19	0.00	66,050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70,216.19
2124	Bonds Payable-SR2012A	0.00	0.00	0.00	1,190,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,190,000.00
2129	Friends of the Park	2,966.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,966.01
2131	RWC-Donation	(603.28)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(603.28)
2132	My Park Day	1,209.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,209.30

City of Rollingwood, Texas
Balance Sheet
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	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total
2133	Artinal Waste Station	97.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.77
2134	Bicycle Rack	760.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	760.00
2135	Bonds Payable-2019 Refunding	0.00	0.00	0.00	9,295,568.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,295,568.23
2136	Bond Premium-2019 Refunding	0.00	0.00	0.00	588,635.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	588,635.30
2137	Park Pat Pavers	(287.34)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(287.34)
2138	Tax Notes Payable-SR 2020	2,065,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,065,000.00
2139	Deferred Revenue - LROSE Funds	1,116.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,116.22
2140	Deferred Inflows of Resources	0.00	3,546.72	0.00	0.00	3,546.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,093.44
2141	Res Storm Dischd Permi-Zone 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131,199.75	0.00	0.00	131,199.75
2142	Res Storm Dischd Permi-Zone 8	0.00	299.28	0.00	0.00	299.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	598.56
2143	Res Storm Dischd Permi-Zone 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,500.00	0.00	0.00	3,500.00

City of Rollingwood, Texas
Balance Sheet
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	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total
2144	Res Stern Discho Permit-Zone 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37,384.00	0.00	0.00	37,384.00
2145	OPRB Liability	0.00	5,196.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,393.92
2250	Deferred Tax Rev-Delinquent Tx	22,116.86	0.00	0.00	0.00	0.00	0.00	0.00	16,934.71	0.00	0.00	0.00	0.00	39,051.57
2400	Liab Pay from Rest Assets	0.00	160,380.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160,380.79
2425	Blgd & Misc Deposits	3,500.00	1,750.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,250.00
	Total Current Liabilities	2,138,272.96	945,820.13	0.00	11,153,818.47	(9,000)	7.33	0.00	16,934.71	0.00	174,048.75	0.00	0.00	14,428,893.35
	Total LIABILITIES & RESERVES	2,138,272.96	945,820.13	0.00	11,153,818.47	(9,000)	7.33	0.00	16,934.71	0.00	174,048.75	0.00	0.00	14,428,893.35
	FUND EQUITY													
3000	Unapprop Fund Balance	2,533,161.32	873,071.56	247,118.03	16,657.51	3,685.92	0.00	0.00	(4,024.32)	(12,212.74)	(197,031.47)	(5,900.44)	0.00	3,411,087.28
3030	Amounts Tr Bg Provided For	(1,289,474.90)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1,394,474.90)
3450	Reserve for Court Technology	0.00	0.00	0.00	(13,342.38)	(4,143.00)	8,376.15	0.00	0.00	0.00	0.00	0.00	0.00	(9,109.23)
3451	Reserve for Court Security	0.00	0.00	0.00	0.00	15,320.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(207,853.29)

City of Rollingwood, Texas
Balance Sheet
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	General Fund	Water Fund	Street Maintenance Fund	POLICE FUND	Waste Water Fund	Court Security Fund	Court Technology Fund	Court Efficiency Fund	Debt Service Fund Series 2014	Debt Service Fund Series 2012	Drainage Fund	Debt Service Fund Series 2019	Debt Service Fund Series 2020	Total
3452 Reserve for Court Efficiency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.31	0.00	0.00	0.00	0.00	0.00	114.31
3600 Invest in FA Not Related Debt	0.00	1,370,975.17	0.00	0.00	136,933.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,507,908.17
Other	(152,279.32)	129,445.42	1,429.23	0.00	35,116.39	137.13	111.34	0.00	2,566.05	4,111.16	2,365.00	5,226.85	3,771.13	32,090.38
Total FUND EQUITY	<u>1,091,407.10</u>	<u>2,373,492.15</u>	<u>248,547.26</u>	<u>3,315.13</u>	<u>(199,612.84)</u>	<u>15,000.90</u>	<u>8,487.49</u>	<u>114.31</u>	<u>(1,458.27)</u>	<u>(8,101.58)</u>	<u>(194,666.47)</u>	<u>(673.59)</u>	<u>3,771.13</u>	<u>3,339,622.72</u>
TOTAL LIABILITIES & FUND BALANCE	<u>(3,229,680.06)</u>	<u>(3,319,312.28)</u>	<u>(248,547.26)</u>	<u>(3,315.13)</u>	<u>(10,954,205.63)</u>	<u>(14,991.90)</u>	<u>(8,494.82)</u>	<u>(114.31)</u>	<u>(15,476.44)</u>	<u>8,101.58</u>	<u>20,617.72</u>	<u>673.59</u>	<u>(3,771.13)</u>	<u>(17,768,516.07)</u>

Friends of the Park - Donations
(My Park Day)

CITY OF ROLLINGWOOD
RECAP

Last updated:
12/11/2020

	<u>ACCOUNT</u>	<u>100/2132</u>
DONATIONS:	\$	2,725.00
	\$	<u>500.00</u>
	\$	3,225.00

LESS EXPENDITURES:

		<u>DATE</u>
\$ 628.40	SECOND NATURE LANDSCAPES	10/24/2016
\$ 311.00	JOANNE PARKER REIMBURSEMENT: IT'S MY PARK DAY	9/28/2016
\$ 222.00	JOANNE PARKER REIMBURSEMENT: IT'S MY PARK DAY	10/17/2016
\$ 96.00	JOANNE PARKER REIMBURSEMENT: IT'S MY PARK DAY	10/24/2016
\$ 7.36	QUIK PRINT	10/31/2016
\$ 46.25	JOANNE PARKER REIMBURSEMENT: IT'S MY PARK DAY	11/7/2016
\$ 18.93	QUIK PRINT	11/15/2016
\$ 120.00	STOKES SIGN CO	3/9/2017
\$ 63.26	JOANNE PARKER REIMBURSEMENT: IT'S MY PARK DAY	12/18/2017
\$ 75.00	SECOND NATURE LANDSCAPE	1/2/2018
\$ 325.95	JOANNE PARKER REIMBURSEMENT	3/26/2018
\$ 101.55	ANNETTE HUDSON REIMBURSEMENT: MORNING IN THE PARK	5/7/2018

	\$	<u>2,015.70</u>
BALANCE	\$	1,209.30

Friends of the Park - Donations
(PAVERS)

CITY OF ROLLINGWOOD
ENGRAVED PAVER

Last updated:
12/11/2020

ACCOUNT 100/2129

DONATIONS	\$	3,250.00	
LESS EXPENDITURES:	\$	(283.99)	BRICK & STONE
	\$	<u>2,966.01</u>	

Financial Summary 2020-2021

ROLLINGWOOD COMMUNITY DEVELOPMENT CORPORATION
NOVEMBER, 2020

<u>DEPARTMENT</u>	YTD REVENUE	YTD EXPENDITURES	DIFFERENCE
ECONOMIC DEVELOPMENT	\$ -	\$ -	\$ -
NON-PROJECT RELATED	\$ 25,688.65	\$ -	\$ 25,688.65
	<u>\$ 25,688.65</u>	<u>\$ -</u>	<u>\$ 25,688.65</u>

RCDC
MONTHLY FINANCIAL ANALYSIS

NOTE: YTD ACTUAL AS OF 11/30/2020; 16.67% OF FISCAL YEAR

REVENUE STATUS & COMPARISON TO PRIOR YEAR

	CURRENT YEAR:			PRIOR YEAR:		CURRENT YR COMPARED TO PY YR
	EST. REVENUE	YTD	PERCENT	YTD		
SALES TAX REVENUE	\$ 100,000	\$ 25,689	26%	\$ 25,936		99%

BUDGET STATUS & COMPARISON TO PRIOR YEAR

	CURRENT YEAR:			PRIOR YEAR:		CURRENT YR COMPARED TO PY YR
	BUDGET	YTD	PERCENT	YTD		
ECONOMIC DEVELOPMENT:						
REVENUE	\$ -	\$ -	#DIV/0!	\$ -		#DIV/0!
EXPENDITURES	\$ 10,000	\$ -	0%	\$ -		#DIV/0!
NON-PROJECTED RELATED:						
REVENUE	\$ 100,000	\$ 26,337	26%	\$ 26,337		100%
EXPENDITURES	\$ 88,000	\$ -	0%	\$ 300		0%

RECAP:	CURRENT YEAR:			PRIOR YEAR:		CURRENT YR COMPARED TO PY YR
	BUDGET	YTD	PERCENT	YTD		
REVENUE	\$ 100,000	\$ 26,337	26%	\$ 26,337		100%
EXPENDITURES	\$ 98,000	\$ -	0%	\$ 300		0

Rollingwood Community Development Corporation
Balance Sheet - Balance Sheet
As of 11/30/2020

		<u>RCDC Fund</u>	<u>Total</u>
Assets			
Operating Cash	1000	212,202.69	212,202.69
Texpool	1005	126,448.09	126,448.09
Due from City	1100	391.53	391.53
Sales Tax Receivable	1350	0.00	0.00
Total Assets		<u><u>339,042.31</u></u>	<u><u>339,042.31</u></u>
Liabilities			
Accounts Payable	2000	0.00	0.00
Accts Payable Yr End	2001	0.00	0.00
xxAccts Payable to City	2020	0.00	0.00
Payable to City	2030	0.00	0.00
Total Liabilities		<u><u>0.00</u></u>	<u><u>0.00</u></u>
Fund Balance			
Fund Balance	3000	313,321.06	313,321.06
xxFund Balance	3001	0.00	0.00
Other		25,721.25	25,721.25
Total Fund Balance		<u><u>339,042.31</u></u>	<u><u>339,042.31</u></u>
Liability & Fund Balance		<u><u>339,042.31</u></u>	<u><u>339,042.31</u></u>

Rollingwood Community Development Corporation
Statement of Revenues and Expenditures - Rev and Expend by Project - With Codes
500 - RCDC Fund
80 - Economic Development
From 11/1/2020 Through 11/30/2020

		<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Total Budget Variance - Revised</u>	<u>Percent Total Budget</u>
Expenditures						
Rollingwood Bus. Promotion&...	5524	0.00	0.00	10,000.00	10,000.00	0.00%
Total Expenditures		<u>0.00</u>	<u>0.00</u>	<u>10,000.00</u>	<u>10,000.00</u>	<u>0.00%</u>
Excess Revenues Over(Under) Expenditures		0.00	0.00	(10,000.00)	10,000.00	0.00%

Rollingwood Community Development Corporation
Statement of Revenues and Expenditures - Rev and Expend by Project - With Codes
500 - RCDC Fund
90 - Non-Project Related
From 11/1/2020 Through 11/30/2020

		<u>Current Period Actual</u>	<u>Current Year Actual</u>	<u>Total Budget - Revised</u>	<u>Total Budget Variance - Revised</u>	<u>Percent Total Budget</u>
Revenues						
Sales Tax Revenue	4000	13,214.42	25,688.65	100,000.00	(74,311.35)	25.68%
Interest Revenue	4050	13.50	27.84	0.00	27.84	0.00%
Interest Revenue - Checking	4051	2.39	4.76	0.00	4.76	0.00%
Total Revenues		<u>13,230.31</u>	<u>25,721.25</u>	<u>100,000.00</u>	<u>(74,278.75)</u>	<u>25.72%</u>
Expenditures						
Admin Services Agreement	5575	0.00	0.00	88,000.00	88,000.00	0.00%
Total Expenditures		<u>0.00</u>	<u>0.00</u>	<u>88,000.00</u>	<u>88,000.00</u>	<u>0.00%</u>
Excess Revenues Over(Under) Expenditures		<u>13,230.31</u>	<u>25,721.25</u>	<u>12,000.00</u>	<u>13,721.25</u>	<u>214.34%</u>

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

55 - Park Department

From 11/1/2020 Through 11/30/2020

	Current Period Actual	Y-T-D Actual	Total Budget - Revised	Budget Balance Remaining	Percent Total Budget	
REVENUES						
Revenues						
4355	Donations - Park	0.00	10.00	100.00	(90.00)	10.00%
4519	Commercial Park Permits	0.00	255.00	200.00	55.00	127.50%
4523	Donations-Community Educ Garde	0.00	0.00	100.00	(100.00)	0.00%
	Total Revenues	<u>0.00</u>	<u>265.00</u>	<u>400.00</u>	<u>(135.00)</u>	<u>66.25%</u>
	Total REVENUES	<u>0.00</u>	<u>265.00</u>	<u>400.00</u>	<u>(135.00)</u>	<u>66.25%</u>
EXPENDITURES						
Personnel Expenses						
5000	Salary	3,383.92	6,759.11	37,556.00	30,796.89	17.99%
5010	Training	250.00	250.00	0.00	(250.00)	0.00%
5020	Health Insurance	400.51	600.93	4,096.00	3,495.07	14.67%
5030	Workers Comp. Insurance	0.00	498.92	500.00	1.08	99.78%
5035	Social Security/Medicare Tax	258.87	517.07	2,873.00	2,355.93	17.99%
5040	Unemployment Comp. Insurance	2.49	5.69	57.00	51.31	9.98%
5050	Tx Mun Retire System Exp	1,160.86	2,309.21	4,338.00	2,028.79	53.23%
	Total Personnel Expenses	<u>5,456.65</u>	<u>10,940.93</u>	<u>49,420.00</u>	<u>38,479.07</u>	<u>22.14%</u>
Supplies & Operations Expenses						
5103	Printing & Reproduction	0.00	0.00	500.00	500.00	0.00%
5130	Utilities	1,797.37	1,871.55	500.00	(1,371.55)	374.31%
5140	Telephone	4.63	4.63	0.00	(4.63)	0.00%
5158	Office Supplies	136.35	136.35	100.00	(36.35)	136.35%
5164	Equipment Maint & Repairs	0.00	34.75	1,000.00	965.25	3.47%
5171	Equipment	0.00	0.00	3,500.00	3,500.00	0.00%
5190	Materials	547.75	547.75	3,000.00	2,452.25	18.25%
5191	Maintenance	234.56	234.56	2,500.00	2,265.44	9.38%
5195	Vehicle Operations	0.00	0.00	1,500.00	1,500.00	0.00%
5196	Vehicle Maintenance & Repairs	0.00	0.00	1,000.00	1,000.00	0.00%
5198	Fieldhouse Supplies & Maintena	0.00	0.00	8,500.00	8,500.00	0.00%
5255	Vehicle Insurance	0.00	0.00	1,500.00	1,500.00	0.00%
	Total Supplies & Operations Expenses	<u>2,720.66</u>	<u>2,829.59</u>	<u>23,600.00</u>	<u>20,770.41</u>	<u>11.99%</u>
Miscellaneous/Other Expenses						

City of Rollingwood, Texas

Statement of Revenues and Expenditures - with codes

100 - General Fund

55 - Park Department

From 11/1/2020 Through 11/30/2020

	<u>Current Period Actual</u>	<u>Y-T-D Actual</u>	<u>Total Budget - Revised</u>	<u>Budget Balance Remaining</u>	<u>Percent Total Budget</u>	
5300	Computer Software & Support	1.40	1.40	500.00	498.60	0.28%
	Total Miscellaneous/Other Expenses	1.40	1.40	500.00	498.60	0.28%
	Capital Outlays					
5455	Improvements to Exist Park Asset	0.00	0.00	5,000.00	5,000.00	0.00%
5456	Plants for Walking Trail	0.00	0.00	2,000.00	2,000.00	0.00%
5512	Playground Mulching & Maintena	0.00	0.00	5,000.00	5,000.00	0.00%
	Total Capital Outlays	0.00	0.00	12,000.00	12,000.00	0.00%
	Non-Departmental Expenses					
5515	Maintenance Building	760.00	1,520.00	0.00	(1,520.00)	0.00%
	Total Non-Departmental Expenses	760.00	1,520.00	0.00	(1,520.00)	0.00%
	Total EXPENDITURES	8,938.71	15,291.92	85,520.00	70,228.08	17.88%
	Excess Revenues Over (Under) Expenses	(8,938.71)	(15,026.92)	(85,120.00)	70,093.08	17.65%

TRAVIS CENTRAL APPRAISAL DISTRICT

BOARD OFFICERS

JAMES VALADEZ
 CHAIRPERSON
 BRUCE GRUBE
 VICE CHAIRPERSON
 THERESA BASTIAN
 SECRETARY/TREASURER



MARYA CRIGLER
 CHIEF APPRAISER

BOARD MEMBERS

TOM BUCKLE
 BRUCE ELFANT
 ANTHONY NGUYEN
 ELEANOR POWELL
 RYAN STEGLICH
 FELIPE ULLOA
 BLANCA ZAMORA-GARCIA

AMBER LEWIS, CITY ADMINISTRATOR
 CITY OF ROLLINGWOOD
 403 NIXON DRIVE
 ROLLINGWOOD, TX 78746

December 4, 2020

COURTESY COPY
ORIGINAL MAILED TO
PRESIDING OFFICER

I would like to thank all of the nominees for participating in the election for the Western Travis County board of director position for Travis Central Appraisal District. It is nice in these times to see such active desire to serve one's community. The ballots were counted on December 4, 2020 with the following results:

Tom Buckle	5 votes
John Havenstrite	4 votes
Randy Strader	2 votes

Mr. Tom Buckle will serve as the Western District Board Member for the upcoming term which expires December 31, 2022. Once again, I thank everyone for their participation, and let me know if you have any further questions.

Sincerely,

Marya Crigler
 Chief Appraiser
 Travis Central Appraisal District



December 2, 2020

City of Rollingwood
 403 Nixon Drive
 Rollingwood, Texas 78746

Honorable Mayor and Members of the City Council:

Pursuant to the Cost of Gas Clause currently in effect for Central Texas service area, the following is the determination of the cost of gas to be used for billings in December 2020:

1.	Cost of Purchased Gas @ 14.73 PSIA.....	\$3.6631
2.	Cost of Purchased Gas @ 14.65 PSIA.....	\$3.6432
3.	Purchase/Sales Ratio.....	1.0103
4.	Commodity Cost (Line 2 x Line 3).....	\$3.6807
5.	Reconciliation Factor.....	(\$0.1350)
6.	Other Cost.....	\$0.0000
7.	Subtotal (Line 4 + Line 5 + Line 6).....	\$3.5457
8.	Revenue-associated Fees and Taxes.....	\$0.0000
9.	Cost of Gas (Line 7 + Line 8).....	<u>\$3.5457 / Mcf</u>
		<u>\$0.3546 / Ccf</u>

Billings using the cost of gas as determined above will begin with meters read on and after November 25, 2020 and end with meters read on and after December 30, 2020.

Sincerely,

Lisa Wattinger

Lisa Wattinger, Manager
 Gas Supply



1301 South Mopac; Suite 400
 Austin, TX 78746-6918
 800-700-2443 • texasgasservice.com

December 1, 2020

The City Secretaries and/or City Managers of the following Texas cities:
 Austin, Bee Cave, Cedar Park, Cuero, Dripping Springs, Gonzales, Kyle, Lakeway, Lockhart,
 Luling, Nixon, Rollingwood, Shiner, Sunset Valley, West Lake Hills, Yoakum, Galveston, Bayou
 Vista, Jamaica Beach, Groves, Nederland, Port Neches, Port Arthur, and Beaumont, Texas

Dear City Secretary and/or City Manager:

In accordance with Texas Gas Service Company’s Weather Normalization Clause (WNA) tariff, this report is being provided for the month of October 2020.

The Central Gulf Service Area experienced warmer than normal weather during October that resulted in the following WNA activity:

Customer Class	Amount Collected or Refunded	Average Weather Rate	Average Bill Impact	% Bill Impact
Residential	\$39,849	\$0.0111	\$0.16	0.6%
Commercial	\$516	\$0.0003	\$0.08	0.0%
Public Authority	\$196	\$0.0013	\$0.47	0.2%

If you have any questions, please do not hesitate to contact me at (512) 370-8275.

Sincerely,

Emily Igunbor
 Rates Analyst
 Rates and Regulatory Affairs



Utility Management
& Operations

Manager's Report

City of Rollingwood

December 9, 2020



Utility Billing:

599 customers billed

12 finals/transfers

Please note the utility billing uncollected arrears accounts as of November 2020 below.

- 60-Days Delinquent \$8,048.80
- 90-Days Delinquent \$1,766.50
- **Excess of 120-Days Delinquent** \$22,478.92 (includes payment plans)

Electronic Meter Test Program:

AWR has installed all 15 electronic meters. All customers were sent instructions on how to sign up and use EyeOnWater, (EOW), system for viewing their water usage electronically. At this time, 5 customers have registered for the EOW application.

Water System:

All fire hydrants have been actuated and pressures determined. Hydrants are now being pressure washed in preparation for painting. A report with each fire hydrant's pressure and any repairs needed will be provided.

Lift Station Monitoring:

All lift stations were checked five days per week. Any necessary repairs were made.

Grinder Pump Repairs:

1. 4828 Rollingwood Dr – Responded to afterhours grinder pump alarm. Pumped tank down for the night and informed customer the pump and breaker needed to be replaced. Replaced and is now functioning properly.

Special Projects:

1. Replaced fire hydrant at 406 Riley.
2. We are coordinating with the medical center at 3003 Bee Cave to schedule the replacement of the non-functioning 3" meter with electronic meter.

Current combined storage level in Lakes Travis and Buchanan is 1.519 million acre-feet, or 76% of total capacity. Lake Travis is currently at 69% of total capacity, or 780,037 acre-feet.

“Stage I Watering Restrictions”, commonly referred to as once-per-week yard watering in accordance with the City of Austin’s watering restrictions, are currently in effect in the City.

Covid19 Response Plan:

We continue to watch the status of the virus. Most importantly we want to ensure our clients know AWR is committed to providing continuous professional essential operations and maintenance of your facilities, and response to water and wastewater system and customer emergencies as needed. We are currently in Stage I of AWR’s Coronavirus (COVID-19) Response Plan. A summary of Stage I Precautions is below:

1. AWR’s offices are temporarily closed to the public
2. Disinfection procedures are in effect.
3. All persons are required to wash their hands with soap and water for at least 20 seconds as recommended by the Centers for Disease Control prior to engaging with persons in the office.
4. We ask customers to pay online, and should they decline to pay online (credit card or ACH), to please place their payment in the mail or simply call and we can process their payment over the phone.
5. AWR Personnel are observing CDC guidelines and have masks and gloves.

Estimated Water Loss: 2%

City of Rollingwood
Monthly Billing & Collections Report
November 2020

11/1/2020 - 11/30/2020

October Payment Distribution

Penalty:	\$	-
Water Collections:	\$	128,690.33
Wastewater Collections:	\$	45,682.08
Water Demand Fee	\$	17,426.22
Residential Irrigation	\$	99.00
Park Donation	\$	-
Deposits Collected	\$	4,000.00
Misc./Returned Check Fee	\$	(30.00)
Undistributed Overpayments	\$	456.09

<u>Total Collections:</u>	\$	<u>196,323.72</u>
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Current Month Billing Period: November 2020

Penalty	\$	-
Water:	\$	107,689.87
Wastewater:	\$	46,356.18
Water Demand Fee:	\$	17,068.00
Residential Irrigation:	\$	163.00
Park Donation	\$	-
Deposits/Misc	\$	-

<u>Total Current Billing:</u>	\$	<u>171,277.05</u>
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Security Deposit:

Balance Forward:	\$	152,120.00
Deposits Billed	\$	3,500.00
Deposits Applied/Billed	\$	<u>(2,500.00)</u>

<u>Current Balance:</u>	\$	153,120.00
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City of Rollingwood
Arrears Listing Totals
November 2020

<u>*60 Days</u>	\$	8,048.80	
<u>*90 Days</u>	\$	1,766.50	
<u>*120 Days+</u>	\$	<u>22,478.92</u>	Payment Plans/Pending Adjustments
	\$	32,294.22	
Overpayments/Credit Balances:	\$	(1,897.73)	

*Note: Total arrears include balances from uncollected final accounts.

Current Month Billing Period: November 2020