ZONING AND PLATTING COMMISSION SITE PLAN COMPATIBILITY WAIVER REVIEW SHEET

CASE NUMBER: SP-2022-0364C ZAP DATE: March 5, 2024

PROJECT NAME: Rich Industrial Park

ADDRESS: 130 Ralph Ablanedo Drive

COUNCIL DISTRICT: 2

APPLICANT: 130 Ralph Ablanedo, LLC

1112 West 9th Street Austin, Texas 78703

AGENT: Austin Civil Engineering, Inc., Calvin Weiman (512) 306-0018

9501-B Menchaca Road, Suite 220

Austin, Texas 78748

CASE MANAGER: Heather Chaffin (512) 974-2140

Heather.chaffin@austintexas.gov

PROPOSED DEVELOPMENT:

The property is zoned LI-CO and is currently developed with administrative office, limited warehousing & distribution, and retail land uses. The site currently contains 46,380 square feet of building space; the applicant proposes adding 23,800 additional square feet of building for the same uses. The site plan includes related parking, drainage and water quality features and other related improvements are proposed.

WAIVER REQUEST:

The applicant is a waiver of compatibility standards for building setbacks adjacent to property zoned SF-5 or more restrictive. Instead of the Code required 25-foot setback, the applicant requests a 5-foot setback for buildings along the northern property line, a 22-foot setback for parking along the northern property line and a 22-foot setback for drainage and water quality structures along the eastern and northern property lines.

COMPATIBILITY:

Section 25-2-1051 states that Article 10 Compatibility Standards apply if a use in a SF-6 or less restrictive zoning district is located on a property across the street from or adjoining a property on which is zoned SF-5 or more restrictive or a use is permitted in a SF-5 or more restrictive zoning district is located. Section 25-2-1063 establishes setback requirements.

§ 25-2-1063 - HEIGHT LIMITATIONS AND SETBACKS FOR LARGE SITES

- (A) This section applies to a site that has:
- (1) an area that exceeds 20,000 square feet; or
- (2) a street frontage that exceeds 100 feet.
- (B) In this section, the term "structure" excludes a rain garden using no concrete that is designed in accordance with the Environmental Criteria Manual. A person may not construct a structure 25 feet or less from property:
- (1) in an urban family residence (SF-5) or more restrictive zoning district; or
- (2) on which a use permitted in an SF-5 or more restrictive zoning district is located.

SUMMARY STAFF RECOMMENDATION:

Staff recommends approval of the compatibility setback waiver request. The site complies with all other compatibility standard requirements, such as lighting, screening, etc.

PROJECT INFORMATION

SITE AREA: 7.716 acres EXISTING ZONING: LI-CO

ALLOWED F.A.R.: 1:1 PROPOSED F.A.R.: 0.8:1

MAX. BLDG. COVERAGE: 75% PROPOSED BLDG. COVER: 20.9%

MAX. IMPERVIOUS COVER: 80% PROPOSED IMPERVIOUS COVER: 62.2%

SURROUNDING CONDITIONS:

Zoning/ Land Use

North: MF-4-CO, Multifamily

East: LI-CO, Limited warehousing & distribution, Administrative offices

South: GR-MU, Single family residential West: SF-4-CO, Single family residential

NEIGHBORHOOD ORGNIZATIONS:

Austin Independent School District

Austin Lost and Found Pets

Austin Neighborhoods Council

Friends of Austin Neighborhoods

Homeless Neighborhood Association

Neighborhood Empowerment Foundation

Onion Creek Homeowners Association

Parkridge Gardens HOA

Peaceful Hill Preservation Association Preservation Austin SELTexas

Sierra Club, Austin Regional Group

South Austin Neighborhood Alliance (SANA)

South Boggy Creek Neighborhood Association



February 27, 2024

Attn: Heather Chaffin City of Austin Development Services Dept – Land Use Review P.O. Box 1088 Austin, TX 78767

RE: Case Number SP-2022-0364C; Rich Industrial Park - Compatibility Waiver Request

Heather,

Please accept this request for a waiver for the project known as Rich Industrial Park from the requirements of LDC 25-2-60, specifically the requirement for a minimum 25 foot rear yard setback.

We are requesting this waiver due to the limited site space to create a feasible project that can appropriately site the required infrastructure.

The following setbacks have been provided:

- Buildings are setback at 5′ from the northern property line.
- Parking is setback 22' from the northern property line.
- The detention/WQ facility is setback 22' and 24' feet from the eastern and northern property line.

Also, the adjacent property is buffered with an additional 55 feet that consists of a setback, parking stalls and a driveway. Therefore, we believe the intent of the minimum rear yard setback is being met has intended by Section 25-2-60.

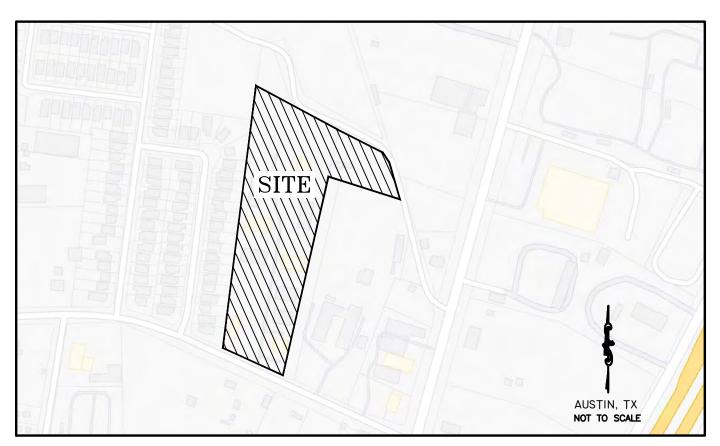
Let us know if additional information or materials are required to approve this waiver. Thank you kindly for your review and assistance. Please contact us with any questions.

Sincerely,

CALVY J. WEIMAN
141995
SONAL E

Calvin Weiman, P.E.
Project Manager
Austin Civil Engineering, Inc.
cw@austincivil.com

VICINITY MAP



CITY OF AUSTIN GRID #: G14, MAPSCO PG #: 674 J, 674 N

OWNER

130 RALPH ABLANEDO LLC 1112 W 9TH STREET **AUSTIN, TX. 78703** PHONE: (512) 496-5839

CONSULTANTS

CIVIL ENGINEER

AUSTIN CIVIL ENGINEERING, INC 9501-B MENCHACA ROAD, SUITE 220 AUSTIN, TEXAS 78748 PHONE: (512) 306-0018

ARCHITECT

GKZ INC FRANK GOMILLION 215 WEST SAN ANTONIO STREET SAN MARCOS, TX 78666 PHONE: (512) 353-3339

LANDSCAPE

BLAIR LANDSCAPE ARCHITECTURE, LLC WILL BLAIR 100 CONGRESS AVE, SUITE 2000 **AUSTIN, TX 78701** PHONE: (512) 522-8979 x 101

SURVEYOR

HOLT CARSON INC HOLT CARSON 1904 FORTVIEW ROAD, AUSTIN, TX 78704 PHONE: (512) 442-0990

SITE PLAN FOR RICH INDUSTRIAL PARK 130 RALPH ABLANEDO DR AUSTIN, TEXAS 78748

CASE NUMBER: SP-2022-0364C SUBMITTAL DATE: JULY 12, 2022

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STATE OF TEXAS

COUNTY OF TRAVIS I DO HEREBY CERTIFY THAT THE ENGINEERING WORK BEING SUBMITTED HEREIN COMPLIES WITH ALL PROVISIONS OF TEXAS ENGINEERING PRACTICES ACT, INCLUDING SECTION 131.152(e). I HEREBY ACKNOWLEDGE THAT ANY MISREPRESENTATION REGARDING THIS CERTIFICATION CONSTITUTES A VIOLATION OF THE ACT AND MAY RESULT IN CRIMINAL. CIVIL AND/OR ADMINISTRATIVE PENALTIES AGAINST ME. AS AUTHORIZED BY ACT.







PROJECT DATA

PREVIOUS CASE NO: SP-99-213C , SP-2004-0180C , SP-2009-0133C

ACREAGE: 6.74 - ACRES, AND 0.976 ACRES

LEGAL DESCRIPTION: 6.74 ACRES OF LAND OUT OF THE WILLIAM CANNON LEAGUE, ABSTRACT NO. 6 IN TRAVIS COUNTY, TEXAS, BEING AL THAT CERTAIN (6.74 ACRE) TRACT OF LAND AS CONVEYED TO 130 RALPH ABLANEDO, LLC, BY GENERAL WARRANTY DEED RECORDED IN DOC NO: 2020115774 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS, SAME BEING A PORTION OF THAT CERTAIN (7.7256 ACRE TRACT OF LAND AS CONVEYED TO MICKEY RICH PLUMBING AND HEATING, INC. BY WARRANTY DEED RECORDED IN VOL. 8855 PG. 975 OF THE REAL PROPERTY RECORDS OF TRAVIS COUNTY, TEXAS.

> 0.976 ACRE OF LAND OUT OF THE WILLIAM CANNON LEAGUE, ABSTRACT NO. 6 IN TRAVIS COUNTY, TEXAS, BEING ALL OF THAT CERTAIN (0.976 ACRE) TRACT OF LAND CONVEYED TO JEFFERY WAYNE RICH BY SPECIAL WARRANTY DEED RECORDED IN DOC NO: 2007166060 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS, AND HAVING BEEN PREVIOUSLY DESCRIBED IN WARRANTY DEED RECORDED IN VOL. 530 PG. 630 OF THE DEED RECORDS OF TRAVIS COUNTY, TEXAS.

LAND STATUS DETERMINATION: C8I-2008-0130

PROJECT ADDRESS: 130 RALPH ABLANEDO DR AUSTIN, TEXAS 78748

ZONING: LI - CO

LAND USE SUMMARY: WAREHOUSING, SINGLE FAMILY

SUBMITTAL DATE: JULY 12, 2022

GENERAL NOTES

- THIS SITE IS NOT LOCATED WITHIN THE EDWARD'S AQUIFER ZONE.
- THIS PROJECT IS LOCATED IN THE SOUTH BOGGY CREEK WATERSHED, AND ONION CREEK WATERSHED, WHICH IS CLASSIFIED AS SUBURBAN WATERSHEDS.
- THIS TRACT IS WITHIN THE ZONE "X" (AREAS OUTSIDE THE 100 YEAR FLOODPLAIN) AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S (FEMA) FLOOD INSURANCE RATE MAP PANEL NO. 48453C0595 K REVISED DATE JANUARY 22, 2020 FOR TRAVIS COUNTY, TEXAS. 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 / CIVIL ENGINEER.
- ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN ACCEPTING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
- WATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN.
- WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN.
- * CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION
- THIS SITE IS COMPLIANT WITH SUBCHAPTER E, DESIGN STANDARDS
- THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR MAINTAINING CLEARANCES REQUIRED BY THE NATIONAL ELECTRIC SAFETY CODE, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, CITY OF AUSTIN RULES AND REGULATIONS AND TEXAS STATE LAWS PERTAINING TO CLEARANCES WHEN WORKING IN CLOSE PROXIMITY TO OVERHEAD POWER LINES AND EQUIPMENT. AUSTIN ENERGY WILL NOT RENDER ELECTRIC SERVICE UNLESS REQUIRED CLEARANCES ARE MAINTAINED. ALL COSTS INCURRED BECAUSE OF FAILURE TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED TO THE OWNER
- 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
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAS BEEN BASED UPON RECORD INFORMATION ONLY AND MAY NOT MATCH. LOCATIONS AS CONSTRUCTED (THE SURVEYOR/ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES, ONLY THE VISIBLE ABOVE GROUND UTILITY STRUCTURES.) THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 811, OR THE OWNER OF EACH INDIVIDUAL UTILITY, FOR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF UTILITY CROSSING PRIOR TO BEGINNING CONSTRUCTION.
- THE SIZE AND LOCATION OF UTILITY STRUCTURES, (IF SHOWN), MAY BE EXAGGERATED FOR GRAPHICAL CLARITY
- ALL TREES ARE TO BE PROTECTED DURING CONSTRUCTION,
- APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH THE APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.
- ANY RELOCATION OF ELECTRIC FACILITIES SHALL BE AT LANDOWNER'S / DEVELOPER'S EXPENSE.
- IF AT ANY TIME DURING CONSTRUCTION OF THIS PROJECT AN UNDERGROUND STORAGE TANK (UST) IS FOUND, CONSTRUCTION IN THAT AREA MUST STOP UNTIL A CITY OF AUSTIN UST CONSTRUCTION PERMIT IS APPLIED FOR AND APPROVED. ANY UST REMOVAL WORK MUST BE CONDUCTED BY A UST CONTRACTOR THAT IS REGISTERED WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). CONTACT ELIZABETH SIMMONS AT ELIZABETH.SIMMONS@AUSTINTEXAS.GOV IF YOU HAVE ANY QUESTIONS. [COA TITLE 6]".
- COMPLIANCE WITH THE UNIVERSAL RECYCLING ORDINANCE IS MANDATORY FOR MULTI-FAMILY COMPLEXES, BUSINESSES AND OFFICE
- THE SITE IS COMPOSED OF 2 LOTS/TRACTS. IT HAS BEEN APPROVED AS ONE COHESIVE DEVELOPMENT. IF PORTIONS OF THE LOTS/TRACTS ARE SOLD, APPLICATION FOR SUBDIVISION AND SITE PLAN APPROVAL MAY BE REQUIRED. UDA #
- DEVELOPMENT OF STRUCTURES THAT REQUIRE A BUILDING PERMIT WITHIN THIS SITE PLAN. OR REVISIONS THEREOF. ARE REQUIRED TO COMPLY WITH THE CITY OF AUSTIN STREET, IMPACT FEE ORDINANCES, AS APPLICABLE, AND MUST BE PAID UPON COMPLETION OF THE BUILDING PERMIT PLAN REVIEW FOR EACH BUILDING.
- AN ADMINISTRATIVE ENVIRONMENTAL VARIANCE HAS BEEN GRANTED TO ALLOW CUT UP TO 8 FEET 25-8-341.
- AN ADMINISTRATIVE ENVIRONMENTAL VARIANCE HAS BEEN GRANTED TO ALLOW FILL UP TO 8 FEET 25-8-342

TRAFFIC CONTROL PLAN NOTE:

ACCEPTED FOR CONSTRUCTION:

THIS NOTE IS BEING PLACED ON THE PLAN SET IN THE ABSENCE OF A TEMPORARY TRAFFIC CONTROL PLAN (TCP) WITH THE FULL UNDERSTANDING THAT AN ENGINEERED TCP SHALL BE REVIEWED AND APPROVED BY THE RIGHT OF WAY MANAGEMENT DIVISION. FURTHERMORE, A TCP SHALL BE SUBMITTED TO TCPREVIEW@AUSTINTEXAS.GOV FOR REVIEW A MINIMUM OF 6 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT/PROJECT REPRESENTATIVE FURTHER RECOGNIZES THAT A TCP REVIEW FEE IS REQUIRED FOR THE INITIAL REVIEW AND ALL RE-REVIEWS, AS PRESCRIBED BY THE MOST CURRENT VERSION OF THE CITY'S FEE

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



NUMBER	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NO.'S	TOTAL # SHEETS IN PLAN SET	NET CHANGE IMP. COVER (SQ. FT.)	TOTAL SITE IMP. COVER (SQ. FT.)/%	CITY OF AUSTIN APPROVAL- DATE

REVIEWED BY:		
		SP-2022-0364C
FOR DIRECTOR, DEVELOPMENT SERVICES DEPARTMENT	DATE	SITE PLAN APPROVAL SHEET 1 OF 30 FILE NUMBER: SP-2022-0364C APPLICATION DATE: 07/12/2022 APPROVED BY COMMISSION ON: N/A UNDER SECTION 112 OF CHAPTER 25-5 OF THE CITY OF AUSTIN CODE. EXPIRATION DATE (25-5-81, LDC) CASE MANAGER HEATHER CHAFFIN
AUSTIN WATER	DATE	PROJECT EXPIRATION DATE (ORD.#970905-A): DWPZDDZ_100%_
		Director, Development Services Department RELEASE FOR GENERAL COMPLIANCE:ZONING:ZONING:
AUSTIN FIRE DEPARTMENT	DATE	Rev. 1
		Rev. 3 Correction 3:
INDUSTRIAL WASTE	DATE	Final plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

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		APPROVED BY			
	REVISIONS	DESCRIPTION			
		REV. DATE			

JOB: 21-036 | DATE: 1/22/24 D: DA/MM CHK'D BY: CW VIGINEER: HS CHK'D BY:

COVER SHEET

SITE PLAN RELEASE NOTES

- 1. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED SITE PLAN. ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE SITE PLAN AMENDMENT AND APPROVAL OF DEVELOPMENT SERVICES DEPARTMENT
- . ALL SIGNS MUST COMPLY WITH THE REQUIREMENTS OF THE SIGN AND LAND DEVELOPMENT CODE. A DRIVEWAY PERMIT IS REQUIRED PRIOR TO CONSTRUCTION OF ALL APPROACHES. LITHE OWNER IS RESPONSIBLE FOR ALL COST OF RELOCATION OR DAMAGE TO LITH ITIES.
- 5. ADDITIONAL ELECTRIC EASEMENTS MAY BE REQUIRED AT A LATER DATE 5. PARKING DIMENSIONAL AND DESIGN REGULATIONS
- PARKING WILL CONFORM TO THE FOLLOWING MINIMUM DIMENSIONAL

STANDARDS IN DESIGNING PARKING AREAS:					
IF ANGLE OF PARKING IS	WIDTH OF PARKING SPACE	DEPTH OF PARKING SPACE	WIDTH OF AISLE		
STANDARD 61° TO 90°	9.0' (VARIES)	17.5'	25.0'		

7. ALL BEARINGS. DISTANCES AND EASEMENTS SHALL MATCH THOSE ON THE SUBDIVISION PLAT 3. APPROVAL OF THIS SITE PLAN <u>DOES NOT INCLUDE</u> BUILDING AND FIRE CODE APPROVAL NOR BUILDING PERMIT APPROVAL

9. WATER AND WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY. A CONCRETE PERMIT IS REQUIRED.

5. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

 ALL EXISTING STRUCTURES TO BE REMOVED WILL REQUIRE A DEMOLITION PERMIT FROM THE CITY OF AUSTIN DEVELOPMENT SERVICES DEPARTMENT 2. A DEVELOPMENT PERMIT MUST BE ISSUED PRIOR TO AN APPLICATION FOR BUILDING PERMIT FOR NON-CONSOLIDATED OR PLANNING COMMISSION APPROVED SITE PLANS.

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION". CITY OF AUSTIN.

2. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED, REVEGETATED, AND GRADED TO DRAIN. 3. ALL DEBRIS AND EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE IN A MANNER NOT TO DAMAGE THE SITE PRIOR TO ACCEPTANCE OF THE PROJECT. 4. ALL FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE ENGINEER OR OWNER PRIOR TO PLACING AND COMPACTING. THE PLASTICITY INDEX MUST BE LESS THAN 15.

6. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 40. 7. LAP ALL BAR SPLICES 24 BAR DIAMETERS OR 24 INCHES.

3. ALL CONCRETE SURFACES SHALL RECEIVE A HEAVY BROOM FINISH 9. CONCRETE RIP RAP TO BE A MINIMUM 4 1/2 " THICK CONCRETE WITH #3'S @ 12" O.C.E.W. OR FIBER MESH

0. PROVIDE CONCRETE EXPANSION JOINTS AT 40 FEET O.C. ON ALL RIP RAP. . PROVIDE A MINIMUM CLEARANCE OF 2" BETWEEN OUTSIDE OF STEEL AND FACE OF CONCRETE. 2. ALL CONCRETE WORK SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF ACI 301-72. 3. ALL EXPOSED CORNERS FOR CONCRETE WORK SHALL BE HAND TOOLED. 4. THE INFORMATION CONTAINED ON THESE DRAWINGS IN REGARDS TO EXISTING UTILITIES, TOPOGRAPHY, CONTOURS, HYDROGRAPHY, OR SUBSURFACE CONDITIONS IS FURNISHED SOLELY AS THE BEST INFORMATION AVAILABLE AT THIS TIME. ITS ACCURACY IS NOT GUARANTEED AND ITS USE IN NO WAY RELIEVES THE CONTRACTOR OF ANY RESPONSIBILITY FOR LOSSES DUE TO ANY INACCURACIES. 15. ALL REQUIRED RELOCATION'S OR ALTERATIONS OF TELEPHONE POLES, UNDERGROUND CONDUIT, POWER POLES, AND ANY OTHER FACILITIES SHALL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS AND UTILITY COMPANIES SO AS NOT TO DELAY THE PROJECT 16. THE CONTRACTOR SHALL NOTIFY THE CITY BUILDING INSPECTOR BEFORE BEGINNING ANY UTILITY

CONSTRUCTION IN PUBLIC R.O.W. OR PUBLIC EASEMENT. NO PIPE SHALL BE LAID UNTIL THE ASSIGNED INSPECTOR HAS MET WITH THE CONTRACTOR OR HIS REPRESENTATIVE AT THE PROJECT SITE. 7. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES FOR EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION 18. ALL TRASH COLLECTION FOR THIS SITE WILL BE PERFORMED BY PRIVATE CONTRACTOR HIRED BY THE

CONTRACTOR 19 THE GEOTECHNICAL REPORT FOR THE SITE SHALL GOVERN ALL CONSTRUCTION MATERIALS AND METHODS RELATED TO: PAVEMENT, BASE, FILL AND EXCAVATION, AND COMPACTION AND TREATMENT OF ON SITE SOILS 20. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS ONE SQUARE FOOT IN TOTAL AREA, BLOWS AIR FROM WITHIN THE SUBSTRATE, AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY

CONTACT A CITY OF AUSTIN ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION. 1. PURSUANT TO 15-12-131 OF THE CITY CODE, THE CONTRACTOR MAY NOT BLOCK, DIRECT, IMPEDE OR REROUTE PEDESTRIAN AND VEHICULAR TRAFFIC NOR PLACE A BARRICADE OR OTHER TRAFFIC CONTROL DEVICE IN A RIGHT-OF-WAY, WITHOUT FIRST OBTAINING A TEMPORARY USE OF RIGHT-OF-WAY PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

TREE AND NATURAL AREA PROTECTION STANDARD NOTES

IATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED PER ECM

TREE PROTECTION SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE WORK, INCLUDING DEMOLITION OR SITE PREPARATION, REFER TO ECM 3.6.1.A.

FENCING FOR TREE PROTECTION SHALL BE CHAIN-LINK MESH WITH A MINIMUM HEIGHT OF 5 FEET AND SHALL BE INSTALLED AROUND OR BEYOND THE CRITICAL ROOT ZONE EXCEPT AS ALLOWED IN ECM

UNFENCED SECTIONS OF THE CRITICAL ROOT ZONE SHALL BE COVERED WITH MULCH AT A MINIMUM DEPTH OF 8 INCHES AND A MAXIMUM DEPTH OF 12 INCHES PER ECM 3.6.1.C.

WHERE FENCING IS LOCATED 5 FEET OR LESS FROM THE TRUNK OF A PRESERVED TREE, TRUNK

EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AND MAINTAINED SO AS NOT TO CAUSE IMPACTS THAT EXCEED PRESERVATION CRITERIA LISTED IN ECM 3.5.3.D.

REES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER THAT DOES NOT EXCEED PRESERVATION CRITERIA FOR THE TREES TO REMAIN. REFER TO ECM 3.5.2 A.

FENCING MAY NOT BE TEMPORARILY MOVED OR REMOVED DURING DEVELOPMENT WITHOUT PRIOR AUTHORIZATION. THE FENCED CRITICAL ROOT ZONE SHALL NOT BE USED FOR TOOL OR MATERIAL

STORAGE OF ANY KIND AND SHALL BE KEPT FREE OF LITTER. REFER TO ECM 3.6.1.B.3. PRUNING SHALL BE IN COMPLIANCE WITH THE CURRENT ANSI A300 STANDARD FOR TREE CARE.

REE PROTECTION SHALL BE REMOVED AT THE END OF THE PROJECT AFTER ALL CONSTRUCTION AND

FINAL GRADING IS COMPLETE, BUT BEFORE FINAL INSPECTION. REFER TO ECM 3.6.1.A.

LANDSCAPE INSTALLATION WITHIN THE CRZ OF PRESERVED TREES. INCLUDING IRRIGATION, SOIL AND PLANTINGS. SHALL NOT EXCEED PRESERVATION CRITERIA LISTED IN ECM 3.5.2.

DOCUMENTATION OF TREE WORK PERFORMED MUST BE PROVIDED TO INSPECTOR PER ECM APPENDIX P-6.

SPECIAL CONSTRUCTION TECHNIQUES ECM 3.5.4(D IN CONJUNCTION WITH REMEDIAL CARE, MITIGATION FOR TREES REMOVED MAY INCLUDE SPECIAL CONSTRUCTION TECHNIQUES NOT NORMALLY REQUIRED IN STANDARD SPECIFICATIONS. SOME OF THESE

- TECHNIQUES INCLUDE THE FOLLOWING: PRIOR TO EXCAVATION WITHIN TREE DRIPLINES OR THE REMOVAL OF TREES ADJACENT TO OTHER TREES. THAT ARE TO REMAIN. MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR FOLIPMENT TO MINIMIZE ROOT DAMAGE
- IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION WITH FENCING AND WHERE HEAVY VEHICULAR TRAFFIC IS ANTICIPATED, COVER THOSE AREAS WITH A MINIMUM OF 12 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION. IN AREAS WITH HIGH SOIL PLASTICITY GEOTEXTILE FABRIC, PER STANDARD SPECIFICATION 620S. SHOULD BE PLACED UNDER THE MULCH TO PREVENT EXCESSIVE MIXING OF THE SOIL AND MULCH, ADDITIONALLY, MATERIAL SUCH AS PLYWOOD AND METAL SHEETS, COULD BE REQUIRED BY THE CITY ARBORIST TO MINIMIZE ROOT IMPACTS FROM HEAVY EQUIPMENT. ONCE THE PROJECT IS COMPLETED, ALL MATERIALS SHOULD BE REMOVED, AND THE MULCH SHOULD BE
- REDUCED TO A DEPTH OF 3 INCHES. · PERFORM ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
- WATER ALL TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER, SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST • 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.

FILL PLACEMENT & COMPACTION

THE BORROW SOILS INCORPORATED INTO THE EMBANKMENT SHOULD BE PLACED IN LIFTS SUCH THAT ALL LIFTS ARE BONDED TOGETHER, THE SPECIFIC DENSITIES ARE MET THROUGHOUT EACH LIFT, THE MOISTURE CONTENT IS UNIFORM THROUGHOUT THE FILL AND CLODS ARE BROKEN DOWN AND BONDED INTO THE REST OF THE LIFT THICKNESS SHOULD WITHOUT NESTING AND VOIDS. THE MAXIMUM LOOSE LIFT THICKNESS SHOULD BE ABOUT 8 INCHES AND COMPACTED TO 95% OF TXDOT TEST METHOD TEX-113-E MOISTURE CONTENTS SHOULD BE MAINTAINED WITH THE RANGE OF -1% TO +3% OF OPTIMUM MOISTURE CONTENT, BORROW SOILS MORE THAN ABOUT 3% DRY OF OPTIMUM SHOULD BE PRE WETTED IN THE BORROW AREA. AND SHOULD NOT BE PLACED ON THE FILL UNTIL THEIR MOISTURE CONTENTS HAVE EQUILIBRATED. THE EXISTING SLOPES SHOULD BE BENCHED TO ALLOW THE EMBANKMENT MATERIAL TO BE PLACED IN HORIZONTAL LIFTS, RATHER THAN PLATING THE EXITING SLOPES.

GENERAL CONSTRUCTION NOTES

. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

2. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.

3. CONTRACTOR SHALL NOTIFY THE CITY OF AUSTIN - SITE & SUBDIVISION DIVISION TO SUBMIT REQUIRED. DOCUMENTATION, PAY CONSTRUCTION INSPECTION FEES, AND TO SCHEDULE THE REQUIRED SITE AND SUBDIVISION PRE-CONSTRUCTION MEETING. THIS MEETING MUST BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN THE R.O.W. OR PUBLIC EASEMENTS. PLEASE VISIT HTTP://AUSTINTEXAS.GOV/PAGE/COMMERCIAL-SITE-AND-SUBDIVISION-INSPECTIONS FOR A LIST OF SUBMITTAL REQUIREMENTS, INFORMATION CONCERNING FEES, AND CONTACT INFORMATION.

4. FOR SLOPES OR TRENCHES GREATER THAN FIVE FEET IN DEPTH, A NOTE MUST BE ADDED STATING: "ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION." (OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 EAST 6TH STREET, AUSTIN TEXAS.)

5. ALL SITE WORK MUST ALSO COMPLY WITH ENVIRONMENTAL REQUIREMENTS.

6. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS AND PRIOR TO THE FOLLOWING, THE ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DRAINAGE, FILTRATION AND DETENTION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS

RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT (INSIDE THE CITY LIMITS): OR

INSTALLATION OF AN ELECTRIC OR WATER METER (IN THE FIVE-MILE ETJ)

DEVELOPER INFORMATION

PHONE # **OWNER ADDRESS** OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS PHONE # PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION PHONE # CONTROL MAINTENANCE

FIRE PREVENTION

PROTECTION MAINTENANCE

PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA

THE AUSTIN FIRE DEPARTMENT REQUIRES ASPHALT OR CONCRETE PAVEMENT PRIOR TO CONSTRUCTION AS AN 'ALL-WEATHER' DRIVING SURFACE HYDRANTS MUST BE INSTALLED WITH THE CENTER OF THE 4-INCH OPENING AT LEAST EIGHTEEN (18) INCHES ABOVE FINISHED GRADE. THE 4-INCH OPENING MUST FACE THE DRIVEWAY OR STREET WITH A 3'-6' FOOT SETBACK FROM CURBLINE(S), NO OBSTRUCTION IS ALLOWED WITHIN THREE (3) FEET OF ANY HYDRANT AND

PHONE #

THE 4-INCH OPENING MUST BE TOTALLY UNOBSTRUCTED FROM THE STREET. ALL PERVIOUS/DECORATIVE PAVING SHALL BE ENGINEERED AND INSTALLED FOR 80,000 LB. LIVE VEHICLE LOADS. ANY PERVIOUS/DECORATIVE PAVING WITHIN 100' OF ANY BUILDING MUST BE APPROVED BY THE FIRE

. COMMERCIAL DUMPSTERS AND CONTAINERS WITH AN INDIVIDUAL CAPACITY OF 1.5 CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN TEN (10) FEET OF OPENINGS, COMBUSTIBLE WALLS, OR

TIMING OF INSTALLATION: WHEN FIRE PROTECTION FACILITIES ARE INSTALLED BY THE DEVELOPER, SUCH FACILITIES SHALL INCLUDE ALL SURFACE ACCESS ROADS WHICH SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION. WHERE ALTERNATIVE METHODS OF PROTECTIONS, AS APPROVED BY THE FIRE CHIEF, ARE PROVIDED, THE ABOVE MUST BE MODIFIED OR WAIVED. . FIRE LANES DESIGNATED ON THE SITE PLAN SHALL BE REGISTERED WITH CITY OF AUSTIN FIRE MARSHAL'S OFFICE AND INSPECTED FOR FINAL APPROVAL. VERTICAL CLEARANCE REQUIRED FOR FIRE APPARATUS IS 14 FEET, FOR FULL WIDTH OF ACCESS DRIVE

TRENCH SAFETY NOTES

I. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH AND UNSTABLE SOIL SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED. TRENCH SAFETY SYSTEMS TO BE UTILIZED FOR THIS PROJECT SHALL BE SUPPLIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE TRENCH SAFETY PLAN REVIEWED, SIGNED, AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS. 2. IN ACCORDANCE WITH THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, WHEN EMPLOYEES ARE REQUIRED TO BE IN TRENCHES 4 FEET DEEP OR MORE, ADEQUATE MEANS OF EXIT, SUCH AS A LADDER OR STEPS. MUST BE PROVIDED AND LOCATED SO AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL 3. IF TRENCH SAFETY SYSTEM DETAILS WERE NOT PROVIDED TO THE ENGINEER FOR REVIEW BECAUSE TRENCHES WERE ANTICIPATED TO BE LESS THAN 5 FEET IN DEPTH AND DURING CONSTRUCTION IT IS FOUND THAT TRENCHES

ARE IN FACT 5 FEET OR MORE IN DEPTH OR TRENCHES LESS THAT 5 FEET IN DEPTH ARE IN AN AREA WHERE HAZARDOUS GROUND MOVEMENT IS EXPECTED, ALL CONSTRUCTION SHALL CEASE, THE TRENCHED AREA SHALL BE BARRICADED AND THE ENGINEER NOTIFIED IMMEDIATELY. CONSTRUCTION SHALL NOT RESUME UNTIL APPROPRIATE TRENCH SAFETY SYSTEM DETAILS, AS DESIGNED BY A PROFESSIONAL ENGINEER, ARE SUBMITTED TO AND ACCEPTED BY THE CITY OF AUSTIN.

EROSION & SEDIMENTATION CONTROL

. EROSION CONTROL MEASURES, SITE WORK AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN EROSION AND SEDIMENTATION CONTROL ORDINANCE. 2. ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS, GRASS MIXTURE OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED. 3. SILT FENCES, ROCK BERMS, SEDIMENTATION BASINS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. SUCH INSTALLATION SHALL BE REGULARLY INSPECTED BY THE CITY OF AUSTIN FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CITY ENGINEER. THEY ARE WARRANTED

4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE ENGINEER AND THE CITY ENVIRONMENTAL INSPECTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.

APPENDIX P-1 - EROSION CONTROL NOTES

THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE ENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION). THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE

IVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. THE COA ESC PLAN SHALL BE CONSULTED AND USED AS THE BASIS FOR A TPDES REQUIRED SWPPP. IF A SWPPP IS REQUIRED, IT SHALL BE AVAILABLE FOR REVIEW BY THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR AT ALL IMES DURING CONSTRUCTION, INCLUDING AT THE PRE-CONSTRUCTION MEETING. THE CHECKLIST BELOW CONTAINS THE BASIC ELEMENTS THAT SHALL BE REVIEWED FOR PERMIT APPROVAL BY COA EV PLAN REVIEWERS AS WELL AS COA EV INSPECTORS.

- PLAN SHEETS SUBMITTED TO THE CITY OF AUSTIN MUST SHOW THE FOLLOWING: DIRECTION OF FLOW DURING GRADING OPERATIONS.

LOCATION AND DESCRIPTION OF TEMPORARY STABILIZATION MEASURES

LOCATION, DESCRIPTION, AND CALCULATIONS FOR OFF-SITE FLOW DIVERSION STRUCTURES. AREAS THAT WILL NOT BE DISTURBED; NATURAL FEATURES TO BE PRESERVED. DELINEATION OF CONTRIBUTING DRAINAGE AREA TO EACH PROPOSED BMP (E.G., SILT FENCE, SEDIMENT BASIN,

LOCATION AND TYPE OF E&S BMPS FOR EACH PHASE OF DISTURBANCE. CALCULATIONS FOR BMPS AS REQUIRED.

/ LOCATION OF ON-SITE SPOILS, DESCRIPTION OF HANDLING AND DISPOSAL OF BORROW MATERIALS, AND DESCRIPTION OF ON-SITE PERMANENT SPOILS DISPOSAL AREAS, INCLUDING SIZE, DEPTH OF FILL AND REVEGETATION PROCEDURES. DESCRIBE SEQUENCE OF CONSTRUCTION AS IT PERTAINS TO ESC INCLUDING THE FOLLOWING ELEMENTS:

I.INSTALLATION SEQUENCE OF CONTROLS (E.G. PERIMETER CONTROLS, THEN SEDIMENT BASINS, THEN

TEMPORARY STABILIZATION, THEN PERMANENT, ETC.) 2.PROJECT PHASING IF REQUIRED (LOC GREATER THAN 25 ACRES) 3.SEQUENCE OF GRADING OPERATIONS AND NOTATION OF TEMPORARY STABILIZATION MEASURES TO BE USED 4.SCHEDULE FOR CONVERTING TEMPORARY BASINS TO PERMANENT WO CONTROLS

5.SCHEDULE FOR REMOVAL OF TEMPORARY CONTROLS 6 ANTICIPATED MAINTENANCE SCHEDULE FOR TEMPORARY CONTROLS — CATEGORIZE EACH BMP UNDER ONE OF THE FOLLOWING AREAS OF BMP ACTIVITY AS DESCRIBED BELOW:

3.1 MINIMIZE DISTURBED AREA AND PROTECT NATURAL FEATURES AND SOIL 3.2 CONTROL STORMWATER FLOWING ONTO AND THROUGH THE PROJECT

3.3 STABILIZE SOILS 3.4 PROTECT SLOPES 3.5 PROTECT STORM DRAIN INLETS

3.6 ESTABLISH PERIMETER CONTROLS AND SEDIMENT BARRIERS 3.7 RETAIN SEDIMENT ON-SITE AND CONTROL DEWATERING PRACTICES

3.8 ESTABLISH STABILIZED CONSTRUCTION EXITS 3.9 ANY ADDITIONAL BMPS

 NOTE THE LOCATION OF EACH BMP ON YOUR SITE MAP(S). — FOR ANY STRUCTURAL BMPS, YOU SHOULD PROVIDE DESIGN SPECIFICATIONS AND DETAILS AND REFER TO

- FOR MORE INFORMATION, SEE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL 1.4.

3.THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND

4.A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE LANNING AND DEVELOPMENT REVIEW DEPARTMENT, 974-2278, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE. COA APPROVED ESC PLAN AND TPDES SWPPP (IF REQUIRED) SHOULD BE REVIEWED BY COA EV INSPECTOR

5.ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, NVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY AUTHORIZED COA STAFE MINOR CHANGES TO BE MADE AS FIFI D REVISIONS TO THE FROSION AND EDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE

OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES. THE CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED INSPECTOR WITH EITHER A CERTIFIED PROFESSIONAL. N FROSION AND SEDIMENT CONTROL (CPESC), CERTIFIED FROSION, SEDIMENT AND STORMWATER- INSPECTOR (CESSWI) OR CERTIFIED INSPECTOR OF SEDIMENTATION AND FROSION CONTROLS (CISEC) CERTIFICATION TO SPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO NSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR EMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS HALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS; ONE SQUARE FOOT IN

TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY AIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY OF AUSTIN ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED.

A. ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF

TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 601S.3(A)]. DO NOT ADD TOPSOIL WITHIN THE CRITICAL

TOPSOIL SALVAGED FROM THE EXISTING SITE IS ENCOURAGED FOR USE, BUT IT SHOULD MEET THE STANDARD

SET FORTH IN 601S. AN OWNER/ENGINEER MAY PROPOSE USE OF ONSITE SALVAGED TOPSOIL WHICH DOES NOT MEET THE CRITERIA OF STANDARD SPECIFICATION 601S BY PROVIDING A SOIL ANALYSIS AND A WRITTEN STATEMENT FROM A QUALIFIED PROFESSIONAL IN SOILS, LANDSCAPE ARCHITECTURE, OR AGRONOMY INDICATING THE ONSITE

SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ONSITE TOPSOIL WITH A DISC OR TILLER TO CREATE

OPSOIL WILL PROVIDE AN EQUIVALENT GROWTH MEDIA AND SPECIFYING WHAT, IF ANY, SOIL AMENDMENTS ARE

A WELL-BLENDED MATERIAL.

HE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS: EMPORARY VEGETATIVE STABILIZATION:

ROOT ZONE OF EXISTING TREES.

FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH OR INCLUDE A COOL SEASON COVER CROP: (WESTERN WHEATGRASS (PASCOPYRUM SMITHII) AT 5.6 POUNDS PER ACRE, OATS (AVENA SATIVA) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRAIN (SECALE CEREALE) AT 45 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY ED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT UTILIZE ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) OR PERENNIAL RYEGRASS (LOLIUM PERENNE). COOL SEASON COVER CROPS ARE NOT PERMANENT ROSION CONTROL FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER

ACRE OR A NATIVE PLANT SEED MIX CONFORMING TO ITEMS 604S OR 609S. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST AND SHALL CONFORM TO ITEM NO. 606S, FERTILIZER. FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SLOW PLANT GROWTH OR DORMANCY. CHEMICAL FERTILIZER MAY NOT BE APPLIED IN THE CRITICAL WATER

QUALITY ZONE. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 11/2 INCHES HIGH WITH A MINIMUM OF 95% TOTAL COVERAGE SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR TEMPORARY STABILIZATION ARE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.

WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, AND STANDARD SPECIFICATIONS 604S OR 609S.

TABLE 1: HYDROMULCHING FOR TEMPORARY VEGETATIVE STABILIZATION

Material	Description	Longevity	Typical Applications	Application rates
mulch shall exceed 30%	70% or greater Wood/Straw 30% or less Paper or Natural Fibers	0-3 months	Moderate slopes; from flat to 3:1	1,500 to 2,000 lbs per acre

ERMANENT VEGETATIVE STABILIZATION:

FROM SEPTEMBER 15 TO MARCH 1, SEEDING IS CONSIDERED TO BE TEMPORARY STABILIZATION ONLY. IF COOL SEASON COVER CROPS EXIST WHERE PERMANENT VEGETATIVE STABILIZATION IS DESIRED, THE GRASSES SHALL BE MOWED TO A HEIGHT OF LESS THAN ONE-HALF (1/2) INCH AND THE AREA SHALL BE RE-SEEDED IN ACCORDANCE WITH TABLE 2 BELOW. ALTERNATIVELY, THE COOL SEASON COVER CROP CAN BE MIXED WITH BERMUDAGRASS OR NATIVE SEED AND INSTALLED TOGETHER, UNDERSTANDING THAT GERMINATION OF WARM-SEASON SEED YPICALLY REQUIRES SOIL TEMPERATURES OF 60 TO 70 DEGREES.

FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE WITH A PURITY OF 95% AND A MINIMUM PURE LIVE SEED (PLS) OF 0.83. BERMUDA GRASS IS A WARM EASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL. PERMANENT VEGETATIVE STABILIZATION AN ALSO BE ACCOMPLISHED WITH A NATIVE PLANT SEED MIX CONFORMING TO ITEMS 604S OR 609S. FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST. SEE ITEM 606S, FERTILIZER.

APPLICATIONS OF FERTILIZER (AND PESTICIDE) ON CITY-OWNED AND MANAGED PROPERTY REQUIRES THE YEARLY SUBMITTAL OF A PESTICIDE AND FERTILIZER APPLICATION RECORD, ALONG WITH A CURRENT COPY OF THE APPLICATOR'S LICENSE. FOR CURRENT COPY OF THE RECORD TEMPLATE CONTACT THE CITY OF AUSTIN'S IPM COORDINATOR

HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.

ENVIRONMENTAL CRITERIA MANUAL ITEMS 604S AND 609S

WATER THE SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE GERMINATION AND A HEALTHY STAND OF PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SEEDBED IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH. ALL WATERING SHALL COMPLY WITH CITY CODE CHAPTER 6-4 (WATER CONSERVATION), AT RATES AND FREQUENCIES DETERMINED BY A LICENSED IRRIGATOR OR OTHER QUALIFIED PROFESSIONAL, AND AS ALLOWED BY THE AUSTIN WATER UTILITY AND CURRENT WATER RESTRICTIONS AND WATER CONSERVATION INITIATIVES.

PERMANENT FROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 11/2 INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX. AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 16 SOUARE FEET. WHEN REQUIRED. NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN

TABLE 2: HYDROMULCHING FOR PERMANENT VEGETATIVE STABILIZATION

Material	Description	Longevity	Typical Applications	Application rates
Bonded Fiber Matrix (BFM)	80% Organic defibrated fibers			
10% tackifier	6 months	on slopes up to 2:1 and erosive soil conditions	2,500 to 4,000 lbs per acre (see manufacturers recommendations)	
Fiber Reinforced Matrix (FRM)	65% Organic defibrated fibers 25% Reinforcing Fibers or less 10% Tackifier	Up to 12 months	On slopes up to 1:1 and erosive soil conditions	3000 to 4500 lbs per acre (see manufactures recommendations)

10.DEVELOPER INFORMATION: OWNER 130 RALPH ABLANEDO LL PHONE # (512) 496-5839

ADDRESS 1112 WEST 9TH STREET AUSTIN, TX. 78703 OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:

PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE:

PHONE # PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE: PHONF #

11.THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT AT 974-2278 AT LEAST 48 HOURS PRIOR WITH THE LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL

STANDARD CONSTRUCTION NOTES October 1, 2021

THE CITY STANDARD CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL COVER MATERIALS AND METHODS USED TO DO THIS WORK. CONTRACTOR MUST OBTAIN A ROW PERMIT FROM AUSTIN TRANSPORTATION DEPT, RIGHT OF WAY MANAGEMENT DIVISION BEFORE BEGINNING CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF A PUBLIC STREET OR ALLEY, ACTIVITY WITHIN RIGHT-OF-WAY SHALL COMPLY WITH APPROVED TCP 3. AT LEAST 48 HOURS PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION ACTIVITY IN PUBLIC ROW OR PUBLIC EASEMENT, THE CONTRACTOR SHALL NOTIFY THE APPLICABLE CITY OF AUSTIN INSPECTION GROUP (AUSTIN TRANSPORTATION, DEVELOPMENT SERVICES, OR PUBLIC WORKS). SEE CURRENT

NOTIFICATION REQUIREMENTS AT WWW.AUSTINTEXAS.GOV. 4. THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 FOR EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE CITY OF AUSTIN WATER AND WASTEWATER MAINTENANCE RESPONSIBILITY ENDS AT R.O.W./EASEMENT LINES. 5. NO OTHER UTILITY SERVICE/APPURTENANCES SHALL BE PLACED NEAR THE PROPERTY LINE, OR

OTHER ASSIGNED LOCATION DESIGNATED FOR WATER AND WASTEWATER UTILITY SERVICE THAT WOULD INTERFERE WITH THE WATER AND WASTEWATER SERVICES. MINIMUM TRENCH SAFETY MEASURES SHALL BE PROVIDED. AS REQUIRED BY OSHA. CITY SPECIFICATION 509S. AND CITY/COUNTY CONSTRUCTION INSPECTORS. . ALL MATERIALS TESTS ORDERED BY THE OWNER FOR QUALITY ASSURANCE PURPOSES. SHALL BE

CITY STANDARD SPECIFICATION ITEM 1804S.04. PRESSURE TAPS SHALL BE ALLOWED ON A CASE BY CASE BASIS. AS DETERMINED BY THE DIRECTOR'S DESIGNEE. NORMALLY PRESSURE TAPS 4 INCHES AND LARGER SHALL BE ALLOWED IN THI FOLLOWING CASES: A) A TEST SHUT OUT INDICATES AN ADEQUATE SHUT OUT TO PERFORM THE WORK IS NOT FEASIBLE B) MORE THAN 30 CUSTOMERS OR A SINGLE CRITICAL CUSTOMER (AS DEFINED BY AUSTIN WATER) WOULD BE IMPACTED BY THE SHUT OUT OR C) THE EXISTING WATER LINE WARRANTS I). WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEMS 510.3 (27)-(29). FORCE MAIN PRESSURE TESTING SHALL BE CONDUCTED AND FALL UNDER THE SPECIFICATIONS AS WATER LINES (PRESSURE PIPE) OR AT THE

CONDUCTED BY AN INDEPENDENT LABORATORY AND FUNDED BY THE OWNER IN ACCORDANCE WITH

PRESSURES SHOWN ON THE APPROVED PLANS 10. ALL MATERIAL USED ON THIS PROJECT MUST BE LISTED ON THE STANDARD PRODUCTS LISTING. ANY MATERIAL NOT LISTED HAS TO GO THROUGH THE REVIEW OF THE STANDARDS COMMITTEE FOR REVIEW AND APPROVAL PRIOR TO START OF PROJECT. TESTING AND EVALUATION OF PRODUCTS ARE REQUIRED BEFORE APPROVAL WILL BE GIVEN ANY CONSIDERATION WHEN WATER SERVICES ARE DAMAGED AND THE SERVICE MATERIAL IS POLYETHYLENE (PE). THI

LINE SHALL BE REPAIRED ONLY BY HEAT FUSION WELD. AT BRASS FITTINGS. OR THE FULL LENGTH SHALL BE REPLACED PER CURRENT STANDARD DETAIL(S). WHEN POLYBUTYLENE (PB) TUBING IS DAMAGED OR TAMPERED WITH IN ANY WAY. THE FULL LENGTH OF SERVICE LINE SHALL BE REPLACED (NOTE: FULL LENGTH IS FROM THE CORPORATION STOP TO THE METER.) REPAIR COUPLINGS ARE NO ALLOWED FOR ANY WATER OR WASTEWATER SERVICE LINE REPAIR, RECONNECT, OR REPLACEMENT 12. WHEN AN EXISTING WATERLINE SHUT OUT IS NECESSARY AND POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR WHO WILL THEN NOTIFY AUSTIN WATER DISPATCH AND THE AFFECTED CUSTOMERS A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE. AUSTIN WATER AT 972-0000 AT A MINIMUM OF 72 HOURS PRIOR TO RELOCATING ANY DOMESTIC OR FIRE DEMAND WATER METERS. THE CONTRACTOR SHALL CAREFULLY REMOVE ALL METERS AND METERS BOXES THAT ARE INDICATED TO BE RELOCATED OR SALVAGED. THE CONTRACTOR SHALL INSTALL THE

REMOVED METER OR CITY PROVIDED METER AT THE NEW LOCATION INDICATED ON THE CONSTRUCTION 14. THE CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES, BELOW GROUND AND OVERHEAD, PRIOR TO STARTING ONSITE UTILITY WORK. 15. ALL WATER, WASTEWATER, AND RECLAIMED MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE SEPARATION DISTANCES INDICATED ON THE PLANS. PER UTILITY CRITERIA MANUAL AND TCEQ CHAPTERS 210 217 AND 290

16. PROJECT-SPECIFIC SHOP DRAWINGS SHALL BE SUBMITTED FOR AW APPROVAL FOR PRE-CAST CIRCULAR VERTICAL MANHOLE SECTIONS LARGER THAN 48" DIAMETER. THE SHOP DRAWINGS SHALL INCLUDE THE FLOWLINE ELEVATION OF ALL CONNECTING PIPES: ELEVATIONS OF TRANSITIONS FROM LARGE DIAMETER SECTIONS TO 48" DIAMETER SECTIONS: TOP OF MANHOLE AND SURROUNDING GROUND ELEVATIONS: AND DETAILS OF SPECIAL CONSTRUCTION CONSIDERATIONS SPECIFIED IN THE CONTRACT DOCUMENTS.

AND RETURNED TO AUSTIN WATER. NOTICE SHOULD BE GIVEN 48 HOURS PRIOR, TO PIPELINE

WHEN CONCRETE MANHOLES LARGER THAN 48 INCH DIAMETER ARE USED. DRAWINGS THAT ARE SEALED BY A PROFESSIONAL ENGINEER SHALL BE SUBMITTED FOR BASE SLABS, FLAT TOP LIDS (IF USED), AND FLAT TYPE CONCRETE PIECES USED TO TRANSITION FROM LARGER TO SMALLER DIAMETER MANHOLE SECTIONS. 18. ALL FIRE HYDRANTS AND VALVES THAT ARE TO BE ABANDONED SHALL BE REMOVED, SALVAGED

OPERATIONS DISTRIBUTION SYSTEM -VALVES AND HYDRANT SERVICES SUPERVISOR AT 512-972-1280. 9. ALL EXISTING WATER METERS IDENTIFIED TO BE RELOCATED OR ABANDONED AT THE DEVELOPMENT SHALL BE REMOVED FROM THE METER BOX PRIOR TO CONSTRUCTION AND GIVEN IMMEDIATELY TO THE CITY OF AUSTIN INSPECTOR. 20. THE ENGINEER SHALL CALL OUT THE SIZE, TYPE AND USE (DOMESTIC OR IRRIGATION) OF ALL EXISTING WATER METERS TO BE RELOCATED OR REPURPOSED. WATER METER NUMBERS WILL NOT BE REQUIRED TO BE PLACED ON THE PLAN SHEET. A SEPARATE AUSTIN WATER TAPS OFFICE FORM WILL

BE USED TO PROVIDE RELEVANT DATA FOR THE EXISTING INFORMATION ON EXISTING METERS TO RECEIVE APPROPRIATE CREDITS. THIS FORM SHALL BE DIRECTLY SUBMITTED TO AUSTIN WATER TAPS OFFICE FOR REVIEW AND PROCESSING. 21. NO CONNECTION MAY BE MADE BETWEEN THE PRIVATE PLUMBING AND AUSTIN WATER INFRASTRUCTURE UNTIL A CITY APPROVED WATER METER HAS BEEN INSTALLED.

22. METER BOXES AND CLEAN OUTS SHALL NOT BE LOCATED WITHIN PAVED AREAS SUCH AS

DRIVEWAYS AND SIDEWALKS.

APPENDIX P-4: - STANDARD SEQUENCE OF CONSTRUCTION

TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN OR SUBDIVISION CONSTRUCTION PLAN AND IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION. INITIATE TREE MITIGATION MEASURES AND CONDUCT "PRE - CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE)

THE ENVIRONMENTAL PROJECT MANAGER OR SITE SUPERVISOR MUST CONTACT THE DEVELOPMENT SERVICES DEPARTMENT, ENVIRONMENTAL INSPECTION, AT 512-974-2278, 72 HOURS PRIOR TO THE SCHEDULED DATE OF THE REQUIRED ON-SITE PRECONSTRUCTION MEETING

THE ENVIRONMENTAL PROJECT MANAGER, AND/OR SITE SUPERVISOR, AND/OR DESIGNATED RESPONSIBLE PARTY, AND THE GENERAL CONTRACTOR WILL FOLLOW THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WIL BE REVISED. IF NEEDED, TO COMPLY WITH CITY INSPECTORS' DIRECTIVES, AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER QUALITY PLAN REQUIREMENTS AND THE EROSION PLAN

PONDS SHOULD BE GRADED AT 100% OF THE PROPOSED CAPACITY (5.324 SEDIMENTATION & FILTRATION POND AND 9,424 DETENTION POND). EITHER THE PERMANENT OUTLET STRUCTURE OR A TEMPORARY OUTLET MUST BE CONSTRUCTED PRIOR TO DEVELOPMENT OF EMBANKMENT OR EXCAVATION THAT LEADS TO PONDING CONDITIONS. THE OUTLET SYSTEM MUST CONSIST OF A SUMP PIT OUTLIFT AND AN EMERGENCY SPILL WAY MEETING THE REQUIREMENTS OF THE DRAINAGE CRITERIA MANUAL AND/OR THE ENVIRONMENTAL CRITERIA MANUAL, AS REQUIRED. THE OUTLET SYSTEM SHALL BE PROTECTED FROM EROSION AND SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION UNTIL

TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED

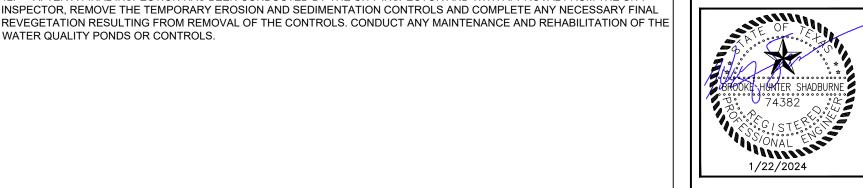
BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES IN THE BARTON SPRINGS ZONE. THE ENVIRONMENTAL PROJECT MANAGER OR SITE SUPERVISOR WILL SCHEDULE A

MID-CONSTRUCTION CONFERENCE TO COORDINATE CHANGES IN THE CONSTRUCTION SCHEDULE AND EVALUATE EFFECTIVENESS OF THE EROSION CONTROL PLAN AFTER POSSIBLE CONSTRUCTION ALTERATIONS TO THE SITE. PARTICIPANTS SHALL INCLUDE THE CITY INSPECTOR, PROJECT ENGINEER, GENERAL CONTRACTOR AND ENVIRONMENTAL PROJECT MANAGER OR SITE SUPERVISOR. THE ANTICIPATED COMPLETION DATE AND FINAL CONSTRUCTION SEQUENCE AND INSPECTION SCHEDULE WILL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR PERMANENT WATER QUALITY PONDS OR CONTROLS WILL BE CLEANED OUT AND FILTER MEDIA WILL BE INSTALLED

PRIOR TO/CONCURRENTLY WITH REVEGETATION OF SITE. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING. UPON COMPLETION OF THE SITE CONSTRUCTION AND REVEGETATION OF A PROJECT SITE. THE DESIGN ENGINEER

SHALL SUBMIT AN ENGINEER'S LETTER OF CONCURRENCE BEARING THE ENGINEER'S SEAL, SIGNATURE, AND DATE TO THE DEVELOPMENT SERVICES DEPARTMENT INDICATING THAT CONSTRUCTION, INCLUDING REVEGETATION, IS COMPLETE AND IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER. A FINAL INSPECTION WILL BE SCHEDULED BY THE APPROPRIATE CITY INSPECTOR

1. UPON COMPLETION OF LANDSCAPE INSTALLATION OF A PROJECT SITE, THE LANDSCAPE ARCHITECT SHALL SUBMIT A LETTER OF CONCURRENCE TO THE DEVELOPMENT SERVICES DEPARTMENT INDICATING THAT THE REQUIRED LANDSCAPING S COMPLETE AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE APPROPRIATE CITY INSPECTOR. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE CITY



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AUSTIN ENERGY STANDARD NOTES

WATER QUALITY PONDS OR CONTROLS.

CONSTRUCTION.

NSTALLATION OF THE PERMANENT WATER QUALITY POND(S).

AUSTIN ENERGY HAS THE RIGHT TO PRUNE AND/OR REMOVE TREES, SHRUBBERY AND OTHER OBSTRUCTIONS TO THE EXTENT NECESSARY TO KEEP THE EASEMENTS CLEAR. AUSTIN ENERGY WILL PERFORM ALL TREE WORK IN COMPLIANCE WITH CHAPTER 25-8, SUBCHAPTER B OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.

THE OWNER/DEVELOPER OF THIS SUBDIVISION/LOT SHALL PROVIDE AUSTIN ENERGY WITH ANY EASEMENT AND/OR ACCESS REQUIRED. IN ADDITION TO THOSE INDICATED, FOR THE INSTALLATION AND ONGOING MAINTENANCE OF OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES. THESE EASEMENTS AND/OR ACCESS ARE REQUIRED TO PROVIDE ELECTRIC SERVICE TO THE BUILDING AND WILL NOT BE LOCATED SO AS TO CAUSE THE SITE TO BE OUT OF COMPLIANCE WITH CHAPTER 25-8 OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.

THE OWNER SHALL BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY EROSION CONTROL, REVEGETATION AND TREE PROTECTION IN ADDITION THE OWNER SHALL BE RESPONSIBLE FOR ANY INITIAL TREE PRUNING AND TREE REMOVAL THAT IS WITHIN TEN FEET OF THE CENTER LINE OF THE PROPOSED OVERHEAD FLECTRICAL FACILITIES DESIGNED TO PROVIDE ELECTRIC SERVICE TO THIS PROJECT. THE OWNER SHALL INCLUDE AUSTIN ENERGY'S WORK WITHIN THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.

THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR MAINTAINING CLEARANCES REQUIRED BY THE NATIONAL ELECTRIC SAFETY CODE, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, CITY OF AUSTIN RULES AND REGULATIONS AND TEXAS STATE LAWS PERTAINING TO CLEARANCES WHEN WORKING IN CLOS PROXIMITY TO OVERHEAD POWER LINES AND EQUIPMENT. AUSTIN ENERGY WILL NOT RENDER ELECTRIC SERVICE UNLESS REQUIRED CLEARANCES ARE MAINTAINED. ALL COSTS INCURRED BECAUSE OF FAILURE TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED TO THE OWNER

APPENDIX P-6 - REMEDIAL TREE CARE NOTES AERATION AND SUPPLEMENTAL NUTRIENT REQUIREMENTS FOR TREES WITHIN

AS A COMPONENT OF AN EFFECTIVE REMEDIAL TREE CARE PROGRAM PER ENVIRONMENTAL CRITERIA MANUAL SECTION 3.5.4, PRESERVED TREES WITHIN THE LIMITS OF CONSTRUCTION MAY REQUIRE SOIL AERATION AND SUPPLEMENTAL NUTRIENTS. SOIL AND/OR FOLIAR ANALYSIS SHOULD BE USED TO DETERMINE THE NEED FOR SUPPLEMENTAL NUTRIENTS. THE CITY ARBORIST MAY REQUIRE THESE ANALYSES AS PART OF A COMPREHENSIVE TREE CARE PLAN. SOIL PH SHALL BE CONSIDERED WHEN DETERMINING THE FERTILIZATION COMPOSITION AS SOIL PH INFLUENCES THE TREE'S ABILITY TO UPTAKE NUTRIENTS FROM THE SOIL. IF ANALYSES INDICATE THE NEED FOR SUPPLEMENTAL NUTRIENTS, THEN HUMATE/NUTRIENT SOLUTIONS WITH MYCORRHIZAE COMPONENTS ARE HIGHLY RECOMMENDED. IN ADDITION, SOIL ANALYSIS MAY BE NEEDED TO DETERMINE IF ORGANIC MATERIAL OR BENEFICIAL MICROORGANISMS ARE NEEDED TO IMPROVE SOIL HEALTH. MATERIALS AND METHODS ARE TO BE APPROVED BY THE CITY ARBORIST (512-974-1876) PRIOR TO APPLICATION. THE OWNER OR GENERAL CONTRACTOR SHALL SELECT A FERTILIZATION CONTRACTOR AND IENSURE COORDINATION WITH THE CITY ARBORIST

PRE-CONSTRUCTION TREATMENT SHOULD BE APPLIED IN THE APPROPRIATE SEASON, IDEALLY THE SEASON PRECEDING THE PROPOSED CONSTRUCTION, MINIMALLY, AREAS TO BE TREATED INCLUDE THE ENTIRE CRITICAL ROOT ZONE OF TREES AS DEPICTED ON THE CITY APPROVED PLANS, TREATMENT SHOULD INCLUDE, BUT NOT LIMITED TO, FERTILIZATION, SOIL TREATMENT MUI CHING AND PROPER PRUNING

POST-CONSTRUCTION TREATMENT SHOULD OCCUR DURING FINAL REVEGETATION OR AS DETERMINED BY A QUALIFIED. ARBORIST AFTER CONSTRUCTION CONSTRUCTION ACTIVITIES OFTEN RESULT IN A REDUCTION IN SOIL MACRO AND MICRO. PORES AND AN INCREASE IN SOIL BUILK DENSITY TO AMELIORATE THE DEGRADED SOIL CONDITIONS. AFRATION VIA WATER AND/OR AIR INJECTED INTO THE SOIL IS NEEDED OR BY OTHER METHODS AS APPROVED BY THE CITY ARBORIST. THE PROPOSED NUTRIENT MIX SPECIFICATIONS AND SOIL AND/OR FOLIAR ANALYSIS RESULTS NEED TO BE PROVIDED TO AND APPROVED BY THE CITY ARBORIST PRIOR TO APPLICATION (FAX # 512-974-3010). CONSTRUCTION WHICH WILL BE COMPLETED IN LESS THAN 90 DAYS MAY USE MATERIALS AT 1/2 RECOMMENDED RATES, ALTERNATIVE ORGANIC FERTILIZER MATERIALS ARE ACCEPTABLE WHEN APPROVED BY THE CITY ARBORIST, WITHIN 7 DAYS AFTER FERTILIZATION IS PERFORMED. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF THE WORK PERFORMED TO THE CITY ARBORIST, DEVELOPMENT SERVICES DEPARTMENT. P.O. BOX 1088, AUSTIN, TX 78767. THIS NOTE SHOULD BE REFERENCED AS ITEM #1 IN THE SEQUENCE OF

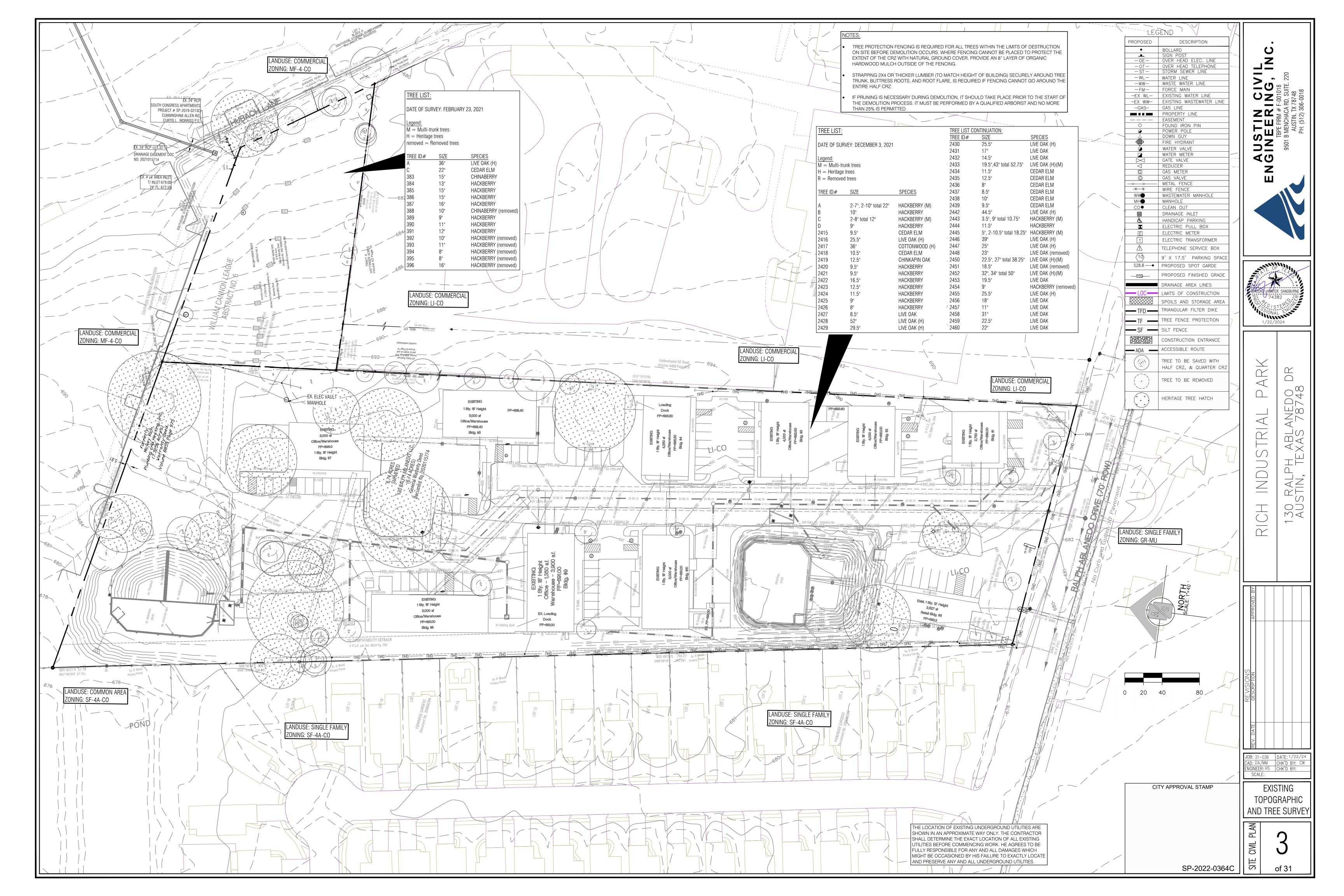
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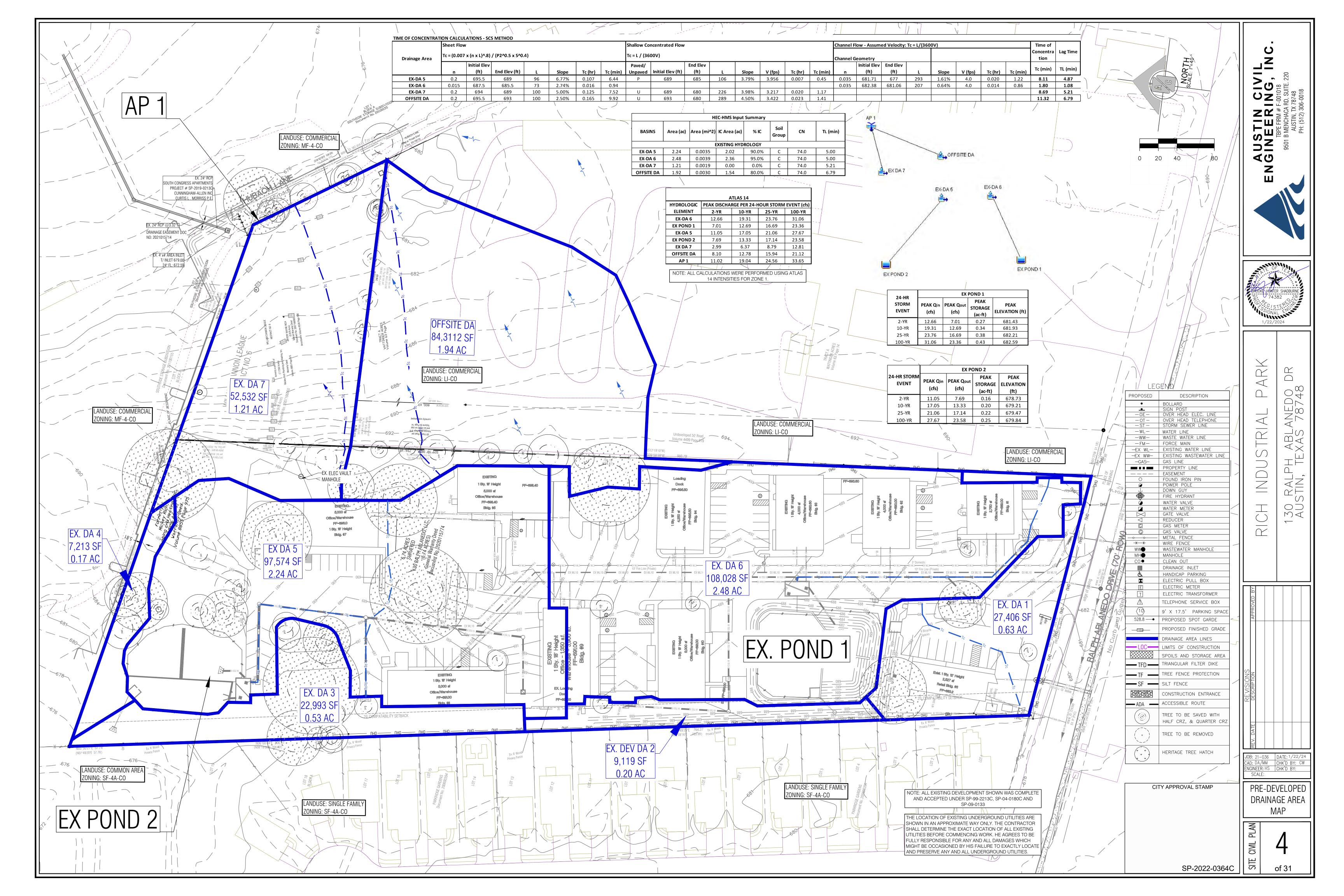
CITY APPROVAL STAMP

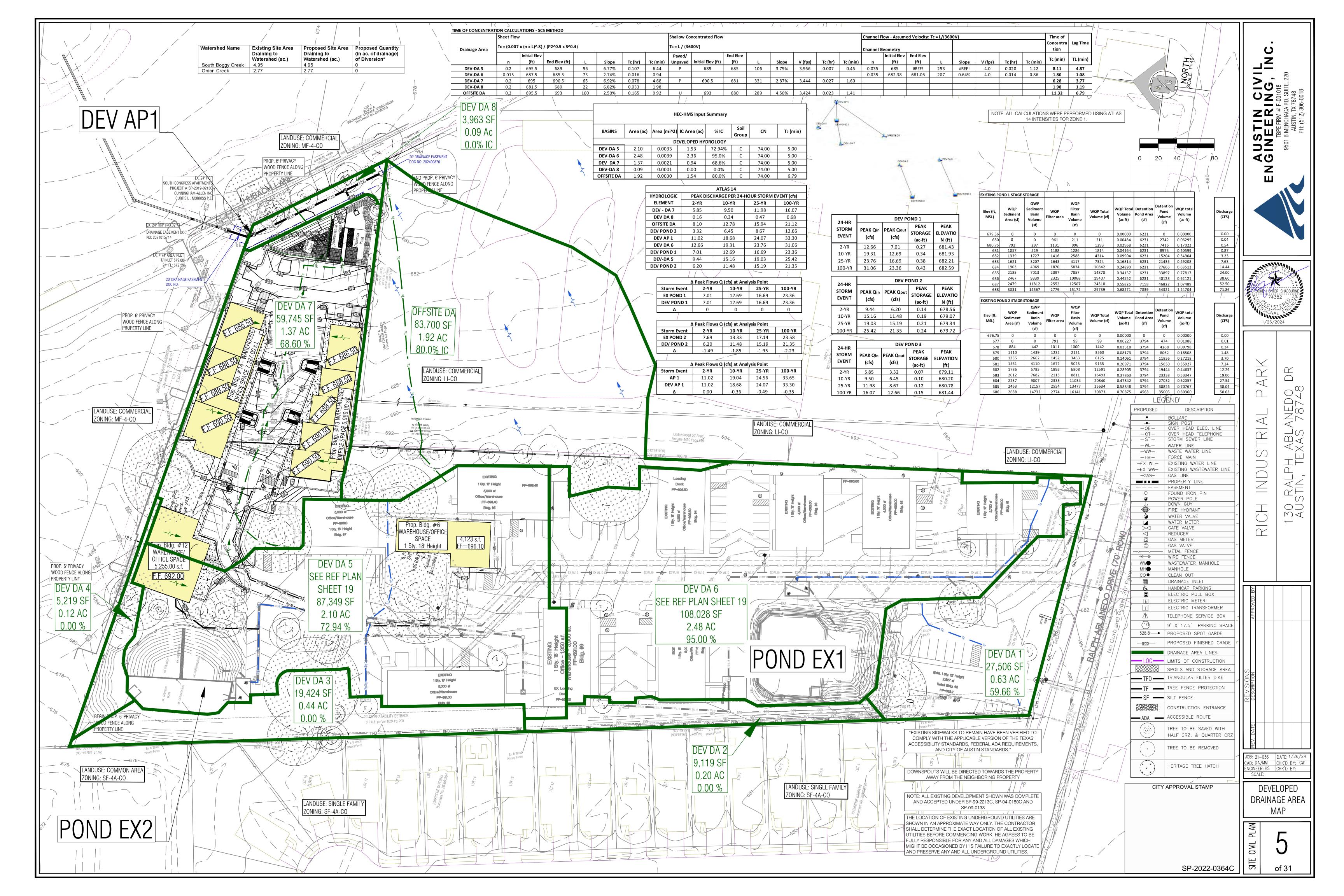
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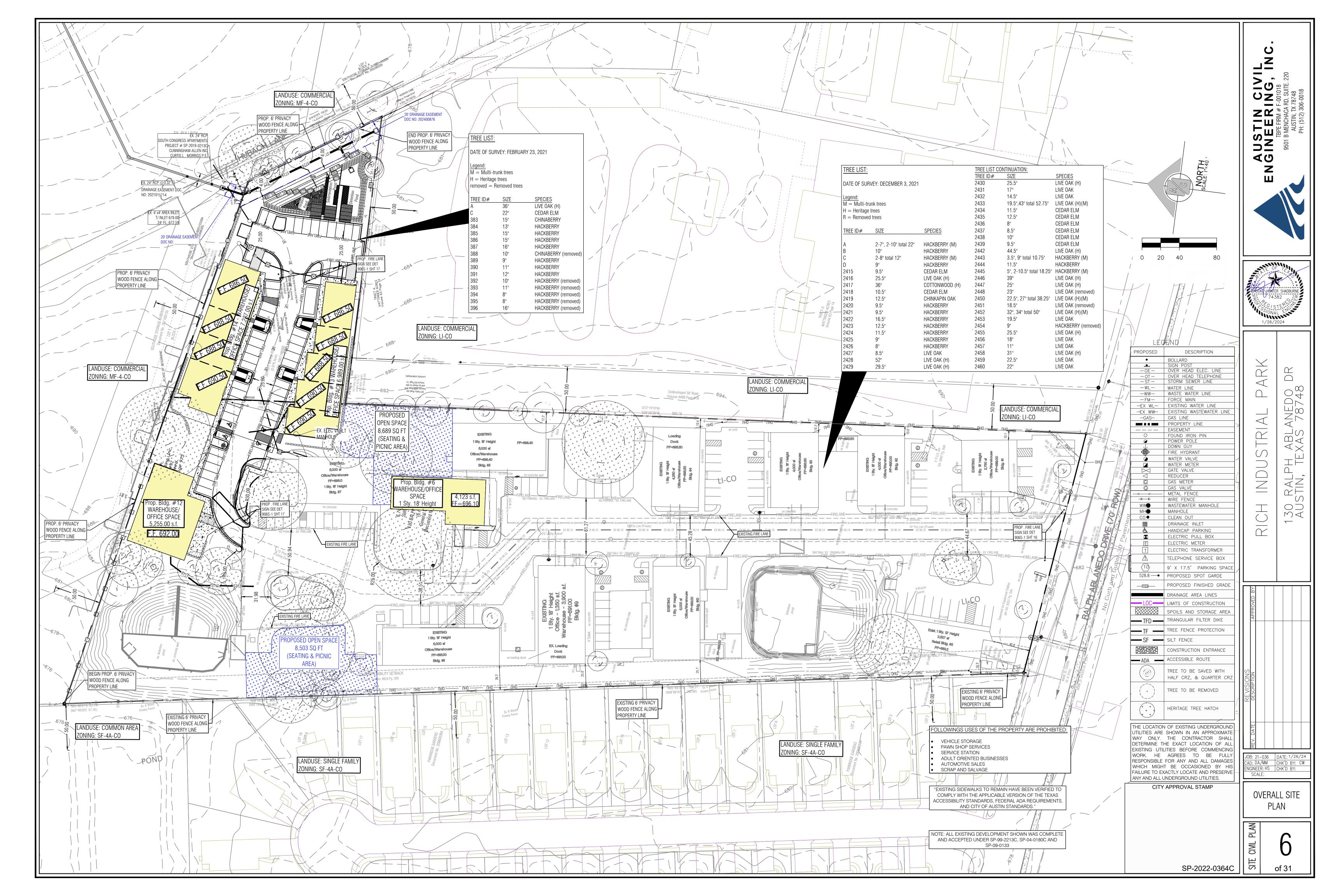
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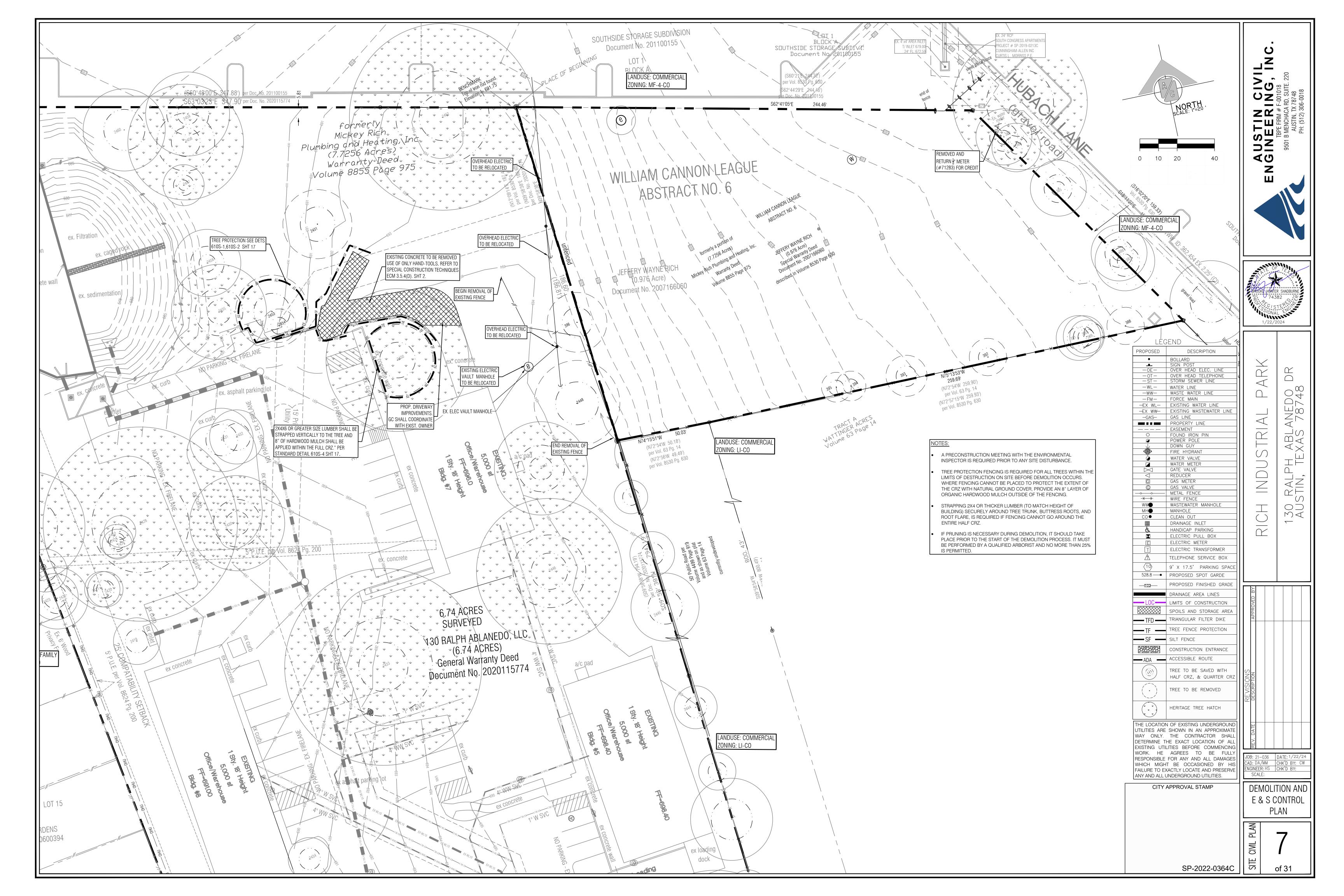
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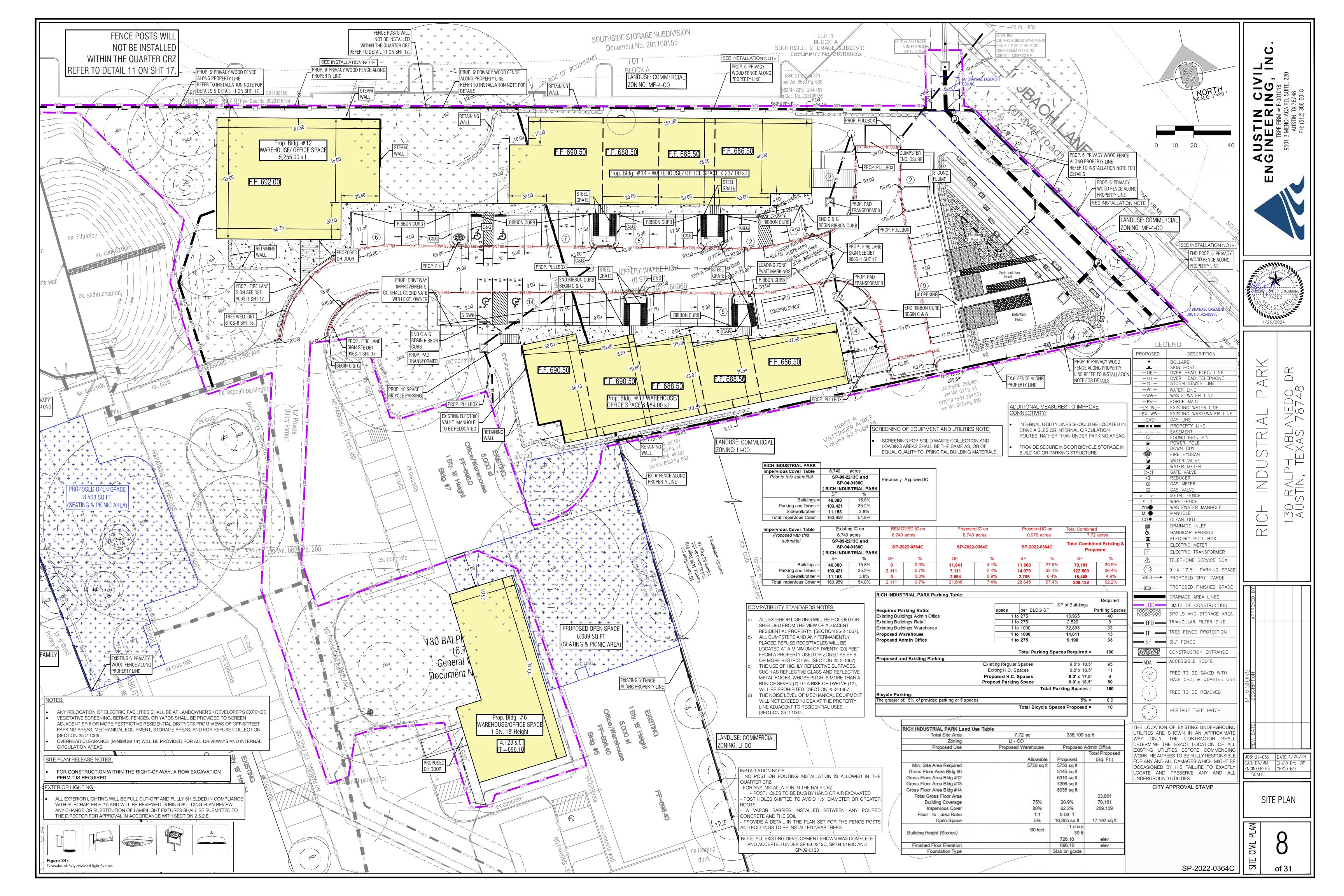


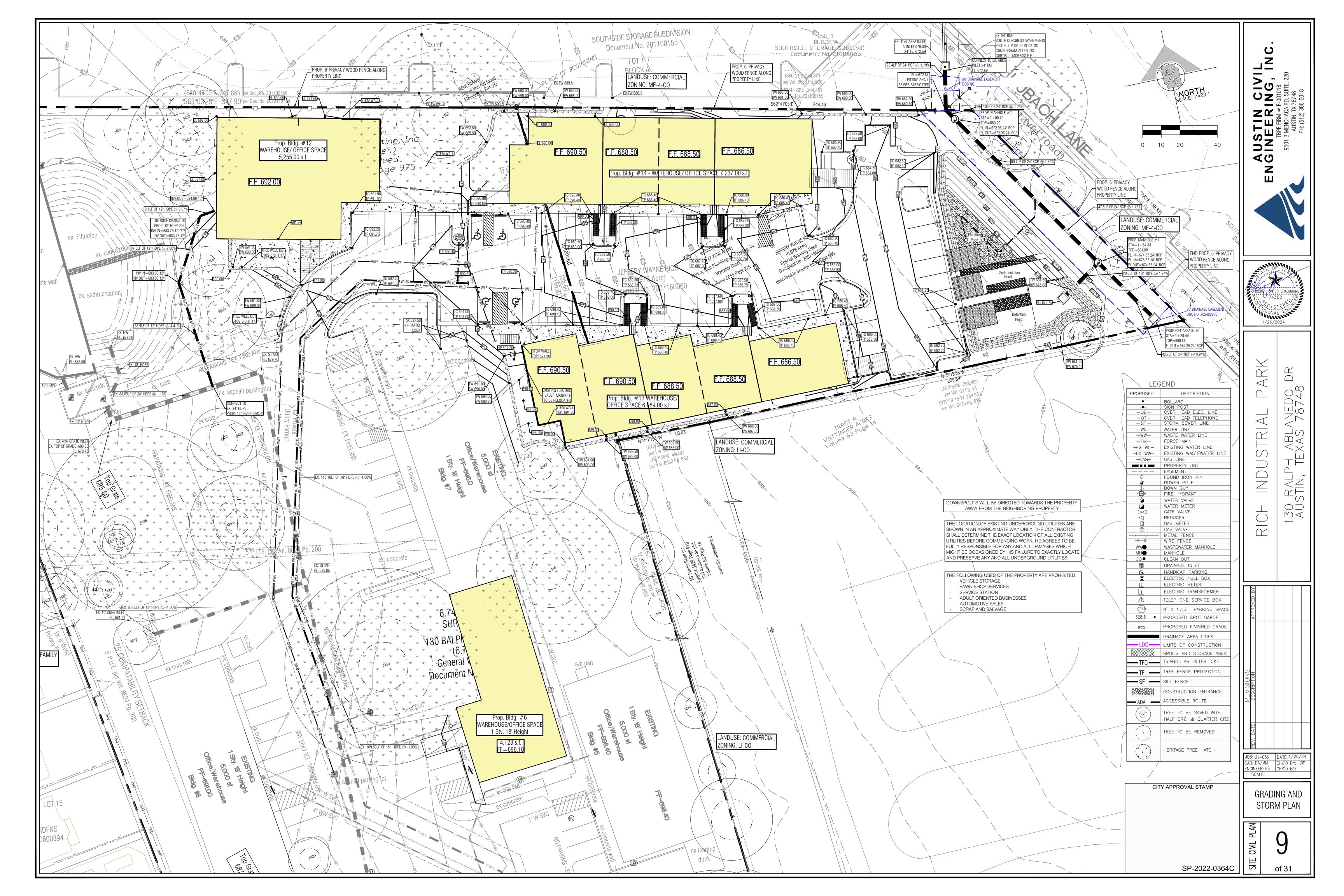


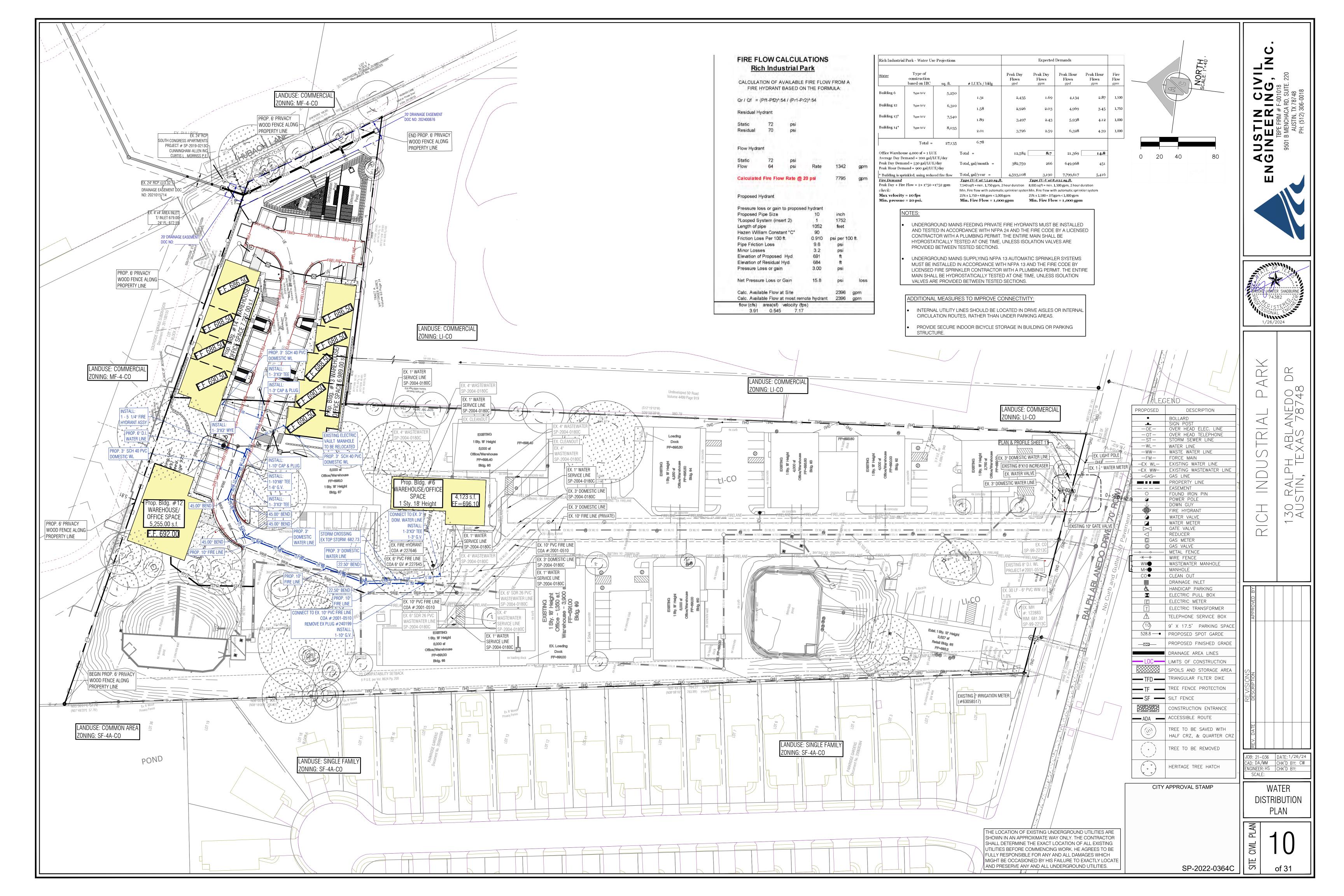


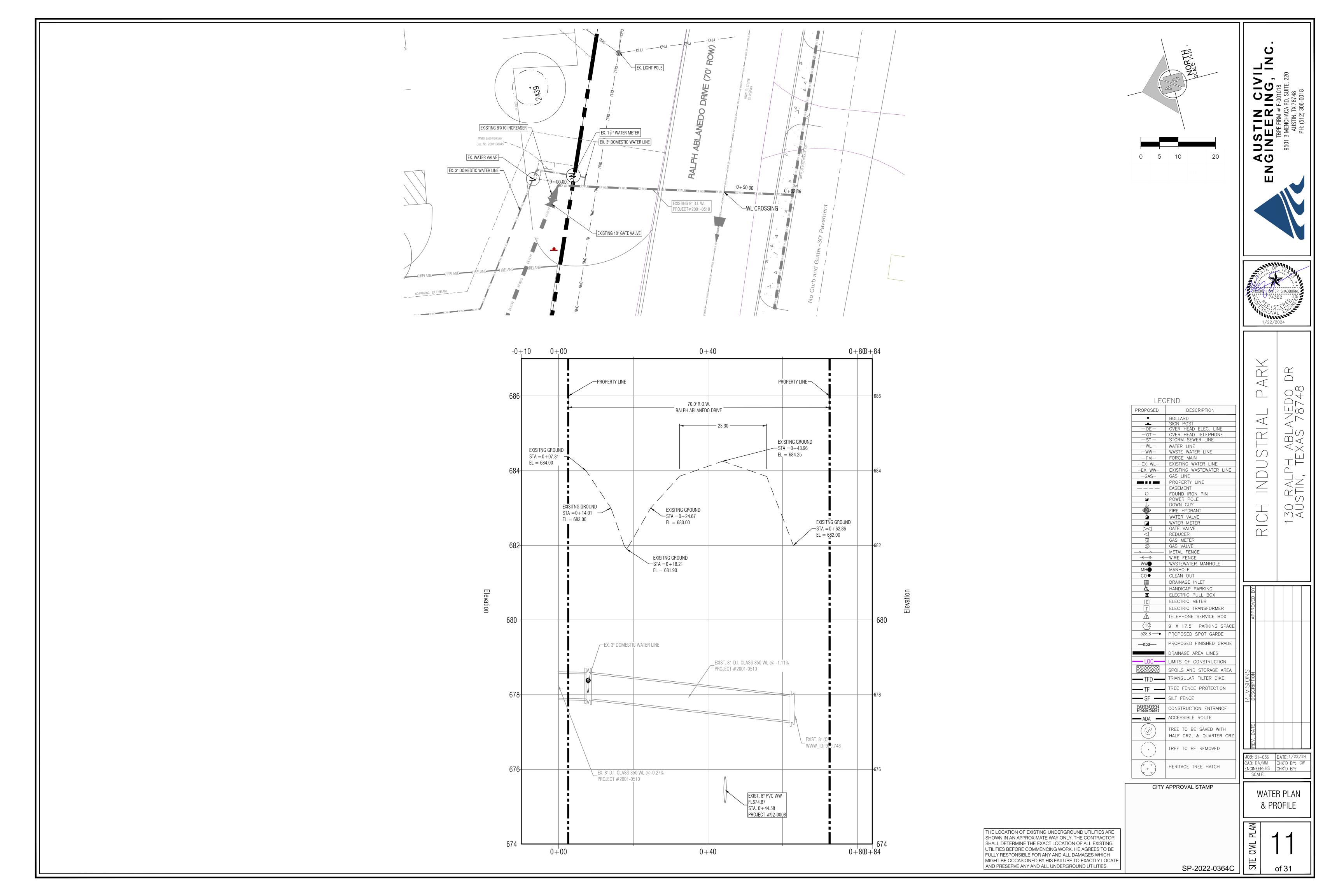


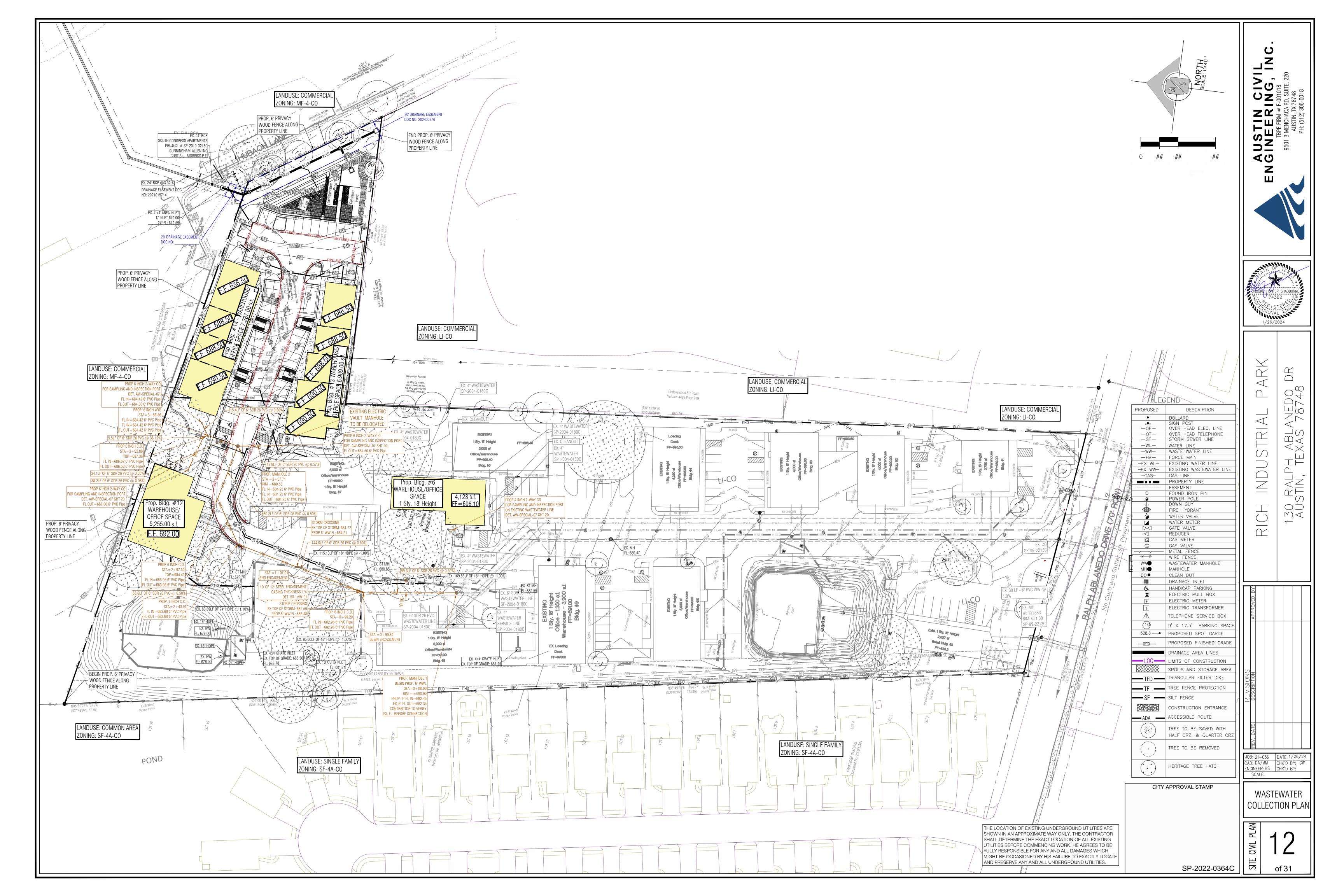


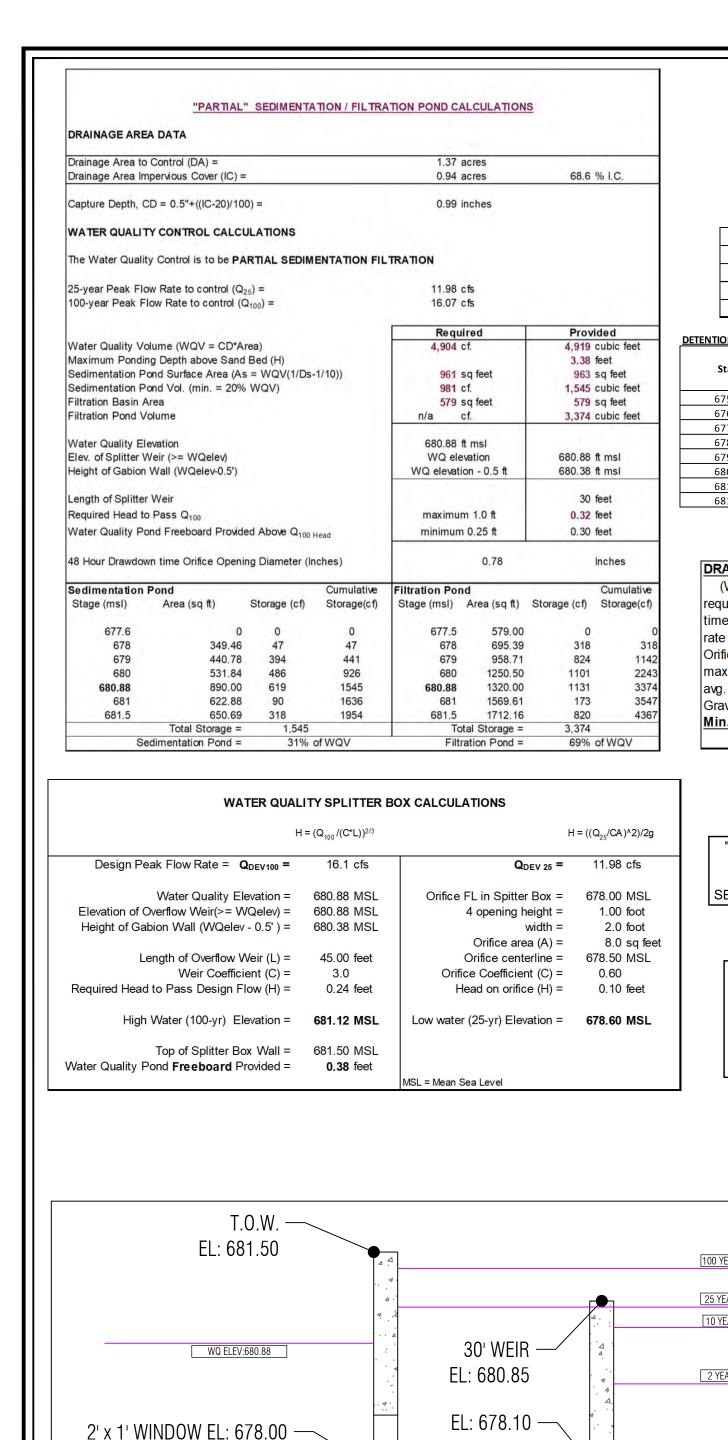


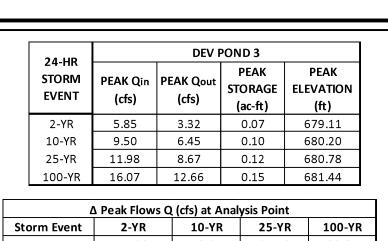












X. 4' x4' AREA INLET

24" FL: 672.59

23.4LF OF 24" RCP @ 1.19% +

FITTING SHAL

BE PRE-FABRICATE

T/ INLET 679.00

SOUTH CONGRESS APARTMENTS

PROJECT # SP-2019-0213C

	\ Peak Flows Q	(cfs) at Anal	ysis Point	
Storm Event	2-YR	10-YR	25-YR	100-YR
AP 1	11.02	19.04	24.56	33.65
DEV AP 1	11.02	18.68	24.07	33.30
Δ	0.00	-0.36	-0.49	-0.35

L		1 Cak Hows Q	(CIS) at Allai	yoio i Oilit	
	Storm Event	2-YR	10-YR	25-YR	100-YR
	AP 1	11.02	19.04	24.56	33.65
	DEV AP 1	11.02	18.68	24.07	33.30
	Δ	0.00	-0.36	-0.49	-0.35
<u>ΓΙ</u>	ON STAGE-STORAGE				

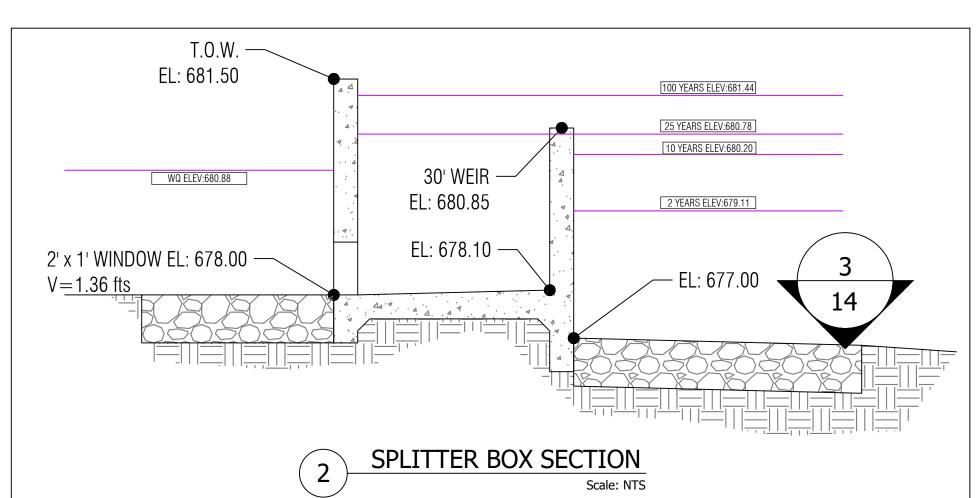
Stage	Area (sf)	Area (ac)	Incremental Storage (cf)	Cumulative Storage (cf)	Cumulative Storage (ac-f
675.75	0	0.000	0	0	0.00
676.00	438	0.010	55	55	0.00
677.00	959	0.022	698	753	0.02
678.00	1,107	0.025	1,033	1,786	0.04
679.00	1,259	0.029	1,183	2,969	0.07
680.00	1,416	0.033	1,338	4,307	0.10
681.00	1,578	0.036	1,497	5,804	0.13
681.50	1,642	0.038	805	6,609	0.15

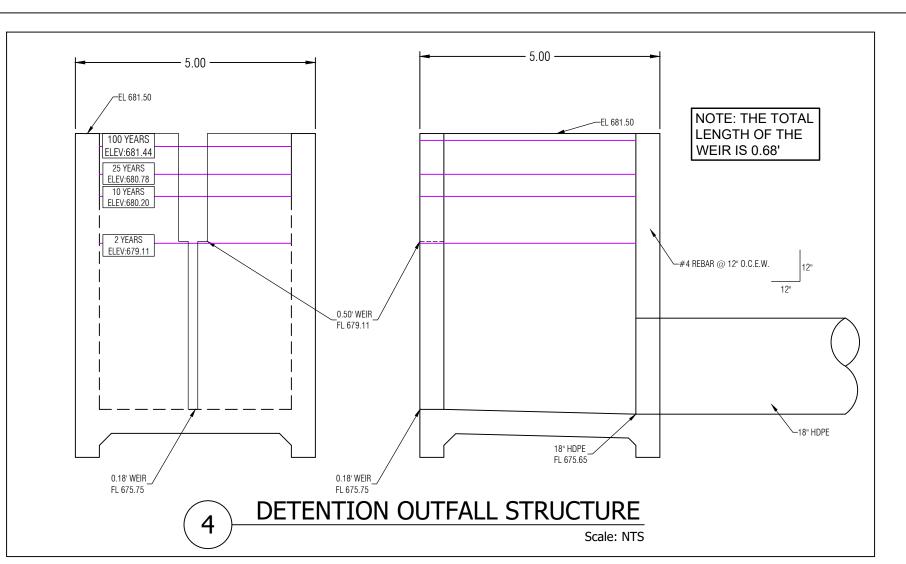
(WQ Pond to filt. Pond)	
required volume =	4904 cft
time period =	48 hours
rate =	0.028 cfs
Orifice Elevation	674.50 ft
max water surface =	680.88 ft
avg. water head =	3.19 ft
Gravity=	32.2 ft/s/s
Min. orifice size =	0.78 in

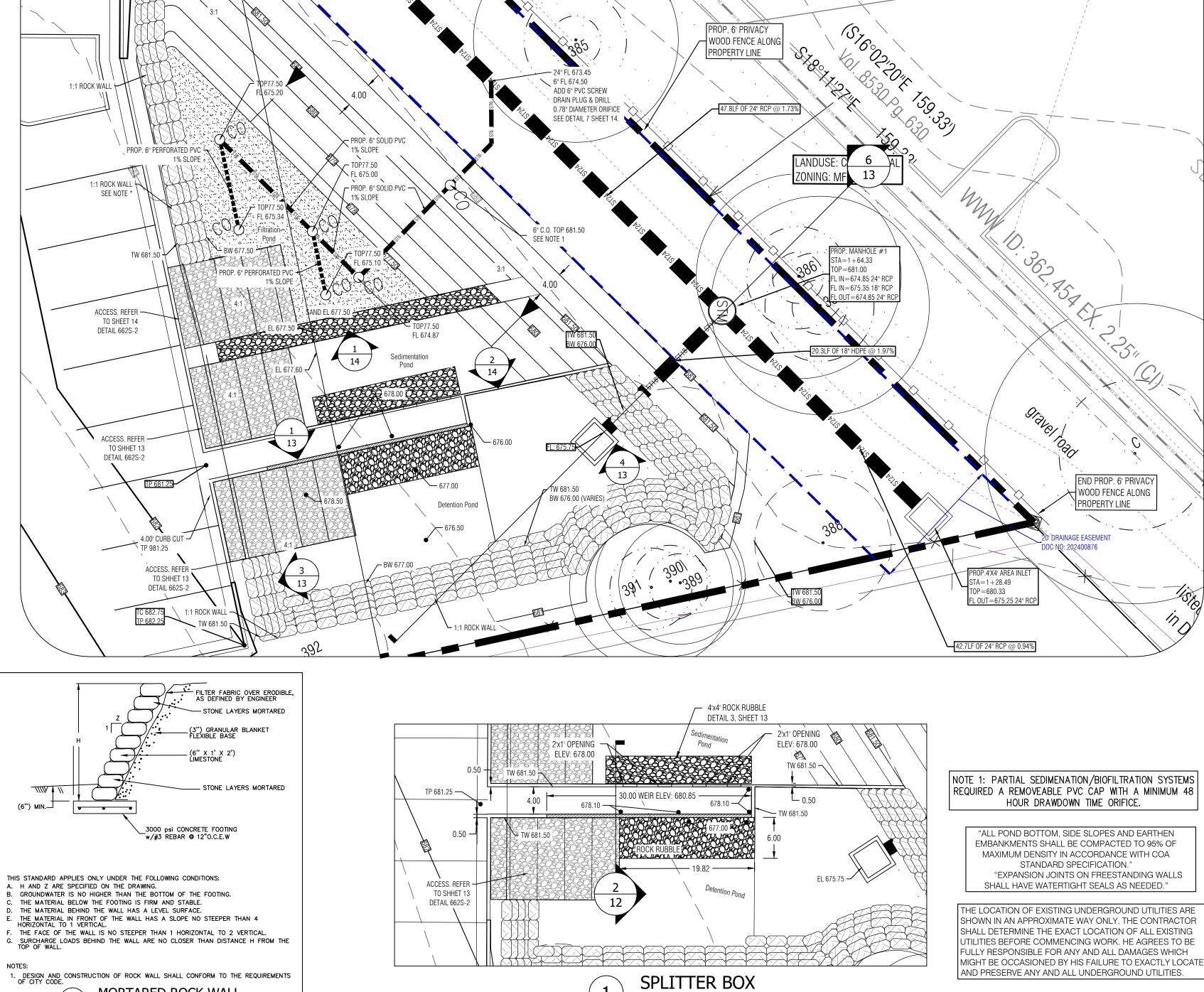
"TOPS OF ALL CLEANOUTS TO BE FLUSH WITH TOP OF
THE SAND BEND"

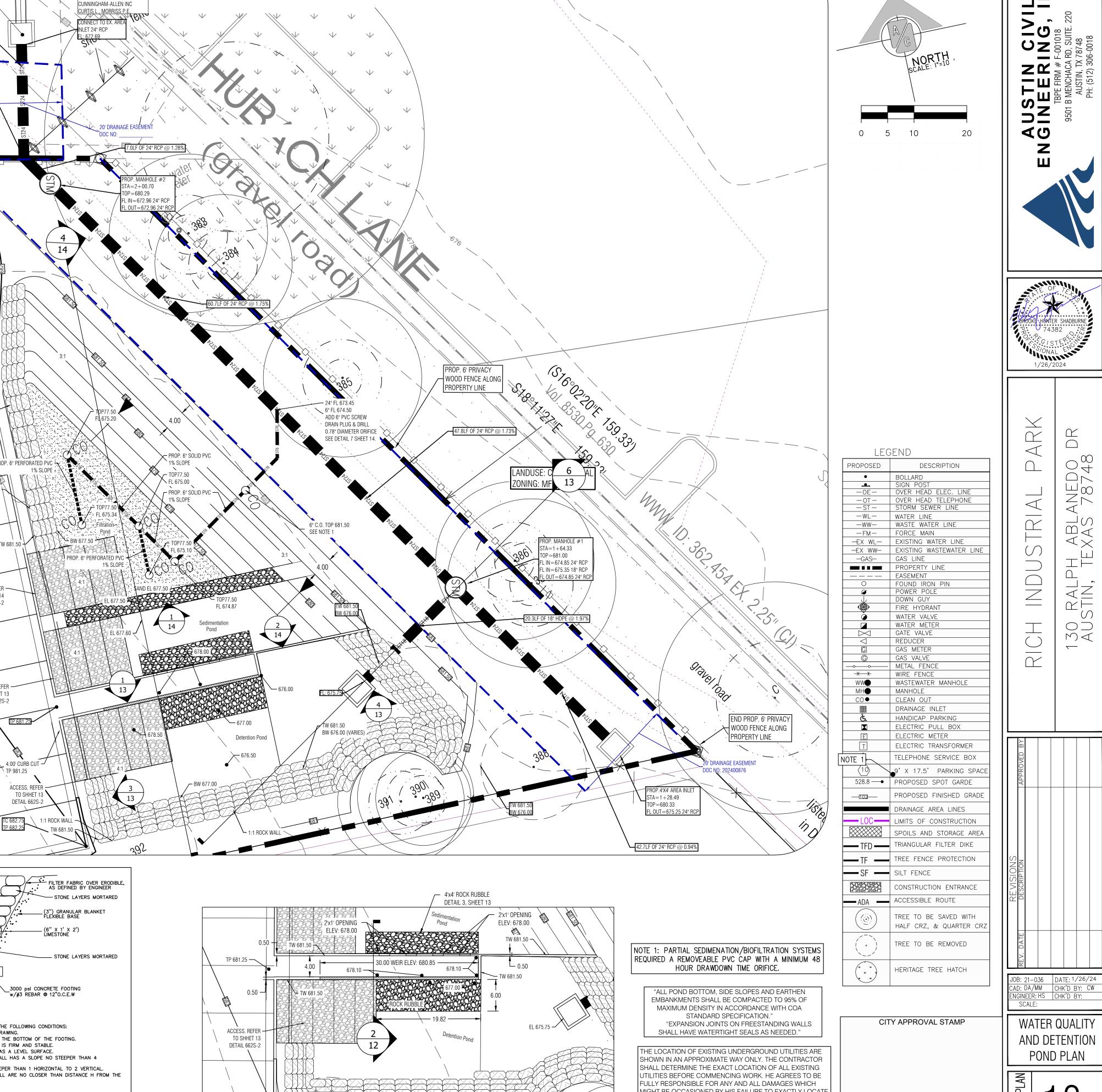
SEE MAJOR MAINTENANCE REQUIREMENTS ON SHEET 14

E.C.M. 1.6.3. B.(7) - GROUTED ROCK WALLS -GROUTED ROCK WALLS ARE ACCEPTABLE ONLY IF THE DESIGN INCLUDES AN IMPERMEABLE BARRIER SUCH AS AN APPROVED GEOMEMBRANE LINER OR REINFORCED CONCRETE RETAINING WALL. FREE STANDING DRY STACKED ROCK WALLS ARE NOT ACCEPTABLE IN ANY SCM.









SP-2022-0364C