

**ZONING CHANGE REVIEW SHEET**

CASE: C14-2021-0024 (Tech Ridge Liquor Store)

DISTRICT: 7

ZONING FROM: GR

TO: CS-1

ADDRESS: 12401 Tech Ridge Boulevard

SITE AREA: 1,625 sq. ft.

PROPERTY OWNER: Factor Real Estate LLC (Alvin Morin)

AGENT: Permit Solutions LLC (Jennifer Smith)

CASE MANAGER: Sherri Sirwaitis (512-974-3057, [sherri.sirwaitis@austintexas.gov](mailto:sherri.sirwaitis@austintexas.gov))

STAFF RECOMMENDATION:

**Staff recommends CS-1, Commercial-Liquor Sales District, zoning.**

ZONING AND PLATTING COMMISSION ACTION / RECOMMENDATION:

**April 20, 2021**

CITY COUNCIL ACTION:

ORDINANCE NUMBER:

ISSUES: N/A

CASE MANAGER COMMENTS:

The property in question is a 0.037 acre vacant parcel of land located at the southeast corner of Tech Ridge Boulevard and East Yager Lane. Surrounding land uses includes undeveloped land directly to the north and an industrial/office campus to the northeast (Dell Parmer South Campus), across Tech Ridge Boulevard. To the south, there is a developing hotel/motel use and multifamily complex (Atrium at Tech Ridge). The lot to the east contains a hotel/motel use (Townplace Suites). The tract of land to the west is undeveloped. The applicant is requesting a 1,625 sq. ft. footprint of CS-1 zoning to develop a liquor store. The property is part of a larger site with an approved site plan for a gas station/convenience store, drive in/fast food restaurant (*see SP-2018-0086C – Exhibit C*).

BASIS OF RECOMMENDATION:

1. *The proposed zoning should be consistent with the purpose statement of the district sought.*

Commercial-Liquor Sales district is intended predominately for commercial and industrial activities of a service nature which typically have operating characteristics or traffic service requirements generally incompatible with residential environments, and specifically includes liquor sales as a permitted use.

2. *The proposed zoning should allow for a reasonable use of the property.*

The CS-1 zoning district would allow for a fair and reasonable use of the site. A 1,625 sq. ft. footprint of CS-1 zoning is appropriate at this location as it will be part of a larger retail/restaurant development at the corner of a major intersection. It is consistent with surrounding land uses because of the commercial character of the area. The proposed rezoning will allow for additional retail uses to provide services to the industrial campus to the northeast and to the multifamily use to the south.

3. *Zoning should promote the policy of locating retail and more intensive zoning near the intersections of arterial roadways or at the intersections of arterials and major collectors.*

This property in question is located at the southeast intersection of two arterial roadways, Tech Ridge Boulevard and East Yager Lane.

EXISTING ZONING AND LAND USES:

	ZONING	LAND USES
<i>Site</i>	GR	Undeveloped
<i>North</i>	GR, LI-PDA	Undeveloped, Office (Dell Parmer South Campus)
<i>East</i>	GR	Hotel (Townplace Suites)
<i>South</i>	GR, MF-4	Developing Hotel, Multifamily (Atrium at Tech Ridge)
<i>West</i>	GR	Undeveloped

NEIGHBORHOOD PLANNING AREA: N/A

TIA: Deferred to the time of Site Plan

WATERSHED: Walnut Creek

NEIGHBORHOOD ORGANIZATIONS:

Austin Lost and Found Pets  
Austin Neighborhoods Council  
Friends of Austin Neighborhoods  
Friends of Copperfield Nature Trails  
Homeless Neighborhood Association  
Neighborhood Empowerment Foundation  
North Growth Corridor Alliance  
Pflugerville Independent School District  
SELTEXAS  
Sierra Club, Austin Regional Group  
Techridge Neighbors  
Yager Community

AREA CASE HISTORIES:

NUMBER	REQUEST	COMMISSION	CITY COUNCIL
C14-2020-0110 (12212 Tech Ridge Blvd.)	GR, LI, and RR to GR-MU	02/02/21: To grant GR-MU as requested, on consent (11-0); Azar- 1st, Seeger-2 <sup>nd</sup> .	3/04/21: The public hearing was conducted and approve Ordinance No. 20210304-095 for GR-MU zoning (10-0), Council Member Ellis's motion, Council Member Kitchen's second on a 10-0 vote. Mayor Pro Tem Harper-Madison was off the dais.
C14-2020-0015 Tech Ridge Hotel: 12316 Tech Ridge Boulevard and	GO, LI to GR	5/19/20: Granted GR zoning by consent (10-0); A. Denkler-1st, D. King-2nd	6/04/20: The public hearing was conducted and a motion approve Ordinance No. 20200604-029 for GR district zoning (10-0), Council Member Flannigan's motion, Council Member

211 West Canyon Ridge Drive)			Ellis'. Council Member Harper-Madison was off the dais.
C14-2019-0010 (12213 Tech Ridge)	GR to MF-4	7/10/19: Approved MF-4 zoning by consent (7-0, A. Aguirre, N. Barrera-Ramirez, J. Kiolbassa, E. Ray- Absent); D. King-1st, A. Denkler- 2 <sup>nd</sup> .	8/08/19: The public hearing was conducted and approve Ordinance No. 20190808-135 for MF-4 zoning was approved on Council Member Pool's motion, Council Member Renteria's second on an 11-0 vote.
C14-2018-0063 (12427 Tech Ridge Boulevard)	GR to CS-CO	7/17/18: Approved staff's recommendation of CS-CO zoning, with added conditions to prohibit Adult Oriented Businesses and Construction Sales and Services uses, by consent (8-0, D. Breithaupt and S. Lavani-absent, A. Tatkow-abstain); D. King-1 <sup>st</sup> , J. Duncan-2 <sup>nd</sup> .	8/23/18: The public hearing was conducted and a motion to close the public hearing and approve Ordinance No. 20180823-065 for general commercial services-conditional overlay (CS-CO) combining district zoning was approved on Council Member Casar's motion, Council Member Renteria's second on an 11-0 vote.
C14-2018-0063 (12427 Tech Ridge Boulevard)	GR to CS-CO	7/17/18: Approved staff's recommendation of CS-CO zoning, with added conditions to prohibit Adult Oriented Businesses and Construction Sales and Services uses, by consent (8-0, D. Breithaupt and S. Lavani-absent, A. Tatkow-abstain); D. King-1 <sup>st</sup> , J. Duncan-2 <sup>nd</sup> .	8/23/18: The public hearing was conducted and a motion to close the public hearing and approve Ordinance No. 20180823-065 for CS-CO district zoning was approved on Council Member Casar's motion, Council Member Renteria's second on an 11-0 vote.

RELATED CASES:

SP-2018-0086C – Site Plan Case

C8-95-0208.03, C8-95-0208.02, C8-95-0208.1A - Subdivision Cases

EXISTING STREET CHARACTERISTICS:

Name	Existing ROW	ASMP Required ROW	Pavement	ASMP Classification	Sidewalks	Bicycle Route	Capital Metro (within ¼ mile)
Yager Lane	81'	96'	69'	3	Yes	Yes	Yes
Tech Ridge Blvd	128'	120'	85'	4	Yes	Yes	Yes

OTHER STAFF COMMENTS:Comprehensive Planning

This zoning case is located on the southeast corner of Tech Ridge Boulevard and East Yager Lane and is not located within the boundaries of a neighborhood planning area. This 0.37 acre parcel is vacant and is not located along an Activity Corridor or Center. Surrounding land uses includes vacant land and a commercial gym to the north; to the south is vacant land; to the east are two hotels; and to the west is vacant land. The proposed use is a liquor store.

Connectivity

There are public sidewalks, crosswalks, bike lanes and transit stops located next to the subject property. While mobility options are good, connectivity is only fair in the area.

Imagine Austin

Based on the comparative scale of the site relative a variety of commercial uses in this area, as well as mobility strengths, this project supports the Imagine Austin Comprehensive Plan.

Environmental

The site is not located over the Edwards Aquifer Recharge Zone. The site is in the Walnut Creek Watershed of the Colorado River Basin, which is classified as a Suburban Watershed by Chapter 25-8 of the City's Land Development Code. The site is in the Desired Development Zone.

Under current watershed regulations, development or redevelopment on this site will be subject to the following impervious cover limits:

<i>Development Classification</i>	<i>% of Gross Site Area</i>	<i>% of Gross Site Area with Transfers</i>
Single-Family (minimum lot size 5750 sq. ft.)	50%	60%
Other Single-Family or Duplex	55%	60%
Multifamily	60%	70%
Commercial	80%	90%

According to floodplain maps there is no floodplain within or adjacent to the project location.

Standard landscaping and tree protection will be required in accordance with LDC 25-2 and 25-8 for all development and/or redevelopment.

At this time, site specific information is unavailable regarding vegetation, areas of steep slope, or other environmental features such as bluffs, springs, canyon rimrock, caves, sinkholes, and wetlands.

Under current watershed regulations, development or redevelopment requires water quality control with increased capture volume and control of the 2 year storm on site.

At this time, no information has been provided as to whether this property has any Is that preempt current water quality or Code requirements.

#### Fire

No comments.

#### Parks and Recreation

There are currently no parkland requirements for uses other than residential and hotel. Given that the application is for CS-1, there would not be parkland dedication requirements or parkland impacts at the time of site plan or subdivision.

#### Site Plan

Site plans will be required for any new development other than single-family or duplex residential.

Any development which occurs in an SF-6 or less restrictive zoning district which is located 540 feet or less from property in an SF-5 or more restrictive zoning district will be subject to compatibility development regulations. It doesn't appear there are any triggering uses or zoning districts within 540 feet.

Any new development is subject to Subchapter E. Design Standards and Mixed Use. Additional comments will be made when the site plan is submitted.

FYI: Additional design regulations will be enforced at the time a site plan is submitted.

FYI: The subject property is included in an approved site plan (case #s SP-2018-0086C and SP-2018-0087C) and/or subdivision case (case # C8-95-0208.03.2A and subsequent revisions (C8-95-0208.03)).

#### Transportation

The Austin Strategic Mobility Plan (ASMP), adopted 04/11/2019, identifies existing right-of-way as sufficient for Tech Ridge Boulevard and calls for 96' of right-of-way for Yager Lane. Traffic impact analysis is waived, the determination is deferred until site plan application, when land use and intensity will be finalized.

#### Water Utility

The landowner intends to serve the site with City of Austin water and wastewater utilities. The landowner, at own expense, will be responsible for providing any water and wastewater utility improvements, offsite main extensions, utility relocations and or abandonments

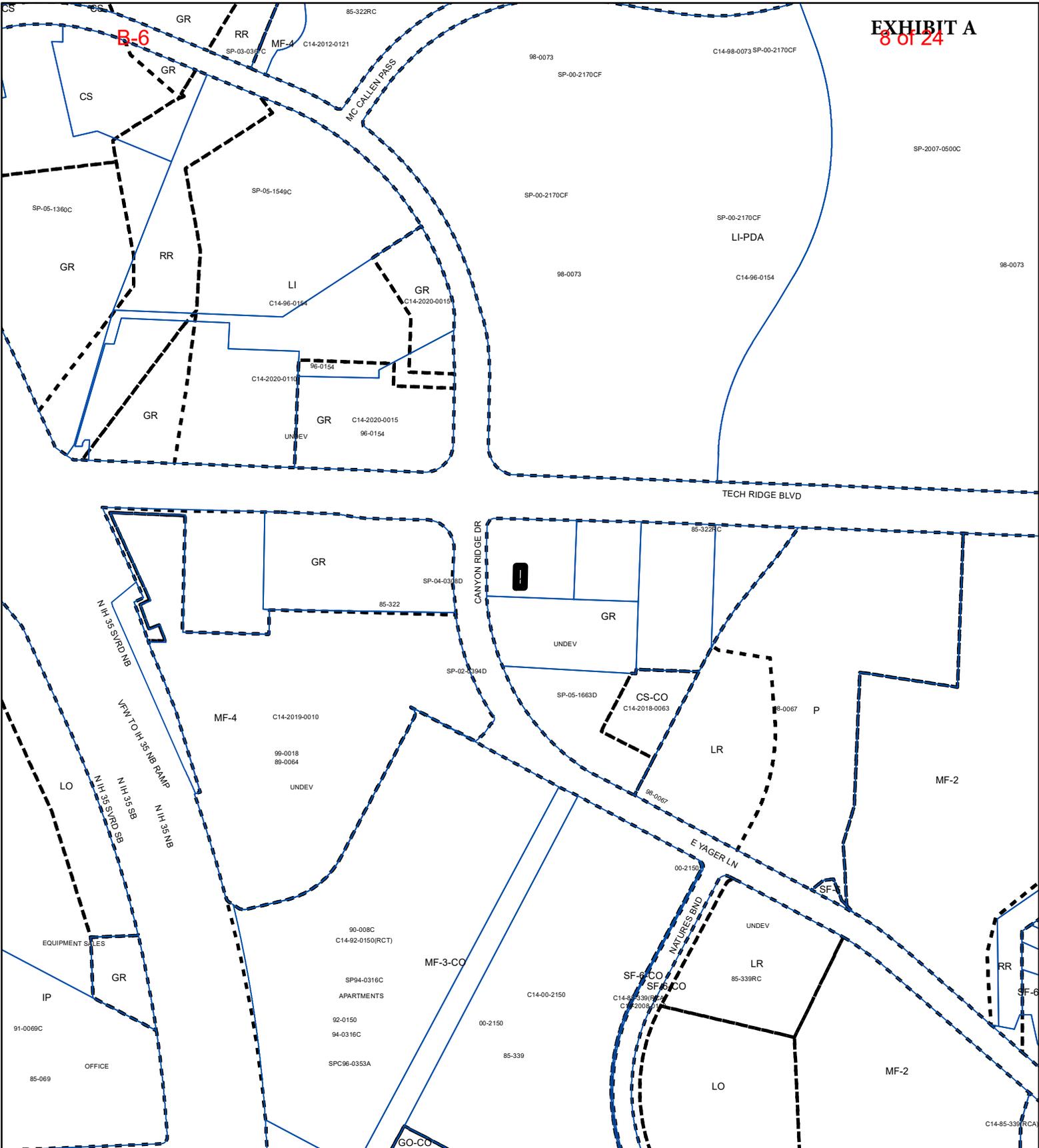
required by the land use. The water and wastewater utility plan must be reviewed and approved by Austin Water for compliance with City criteria and suitability for operation and maintenance.

Depending on the development plans submitted, water and or wastewater service extension requests may be required. All water and wastewater construction must be inspected by the City of Austin.

The landowner must pay the City inspection fee with the utility construction. The landowner must pay the tap and impact fee once the landowner makes an application for a City of Austin water and wastewater utility tap permit.

#### INDEX OF EXHIBITS TO FOLLOW

- A: Zoning Map
- B. Aerial Map
- C. Approved Site Plan



**ZONING**

ZONING CASE#: C14-2021-0024



-  SUBJECT TRACT
-  PENDING CASE
-  ZONING BOUNDARY

1" = 400'

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

This product has been produced by the Housing and Planning Department for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or



Created: 3/9/2021

B-6

EXHIBIT B

GR-MU

LI-PDA

TECH RIDGE BLVD

GR

CANYON RIDGE DR

M33

C14-2021-0024

GR

MF-4

Copyright nearmap 2015



SUBJECT TRACT



ZONING BOUNDARY



PENDING CASE



CREEK BUFFER

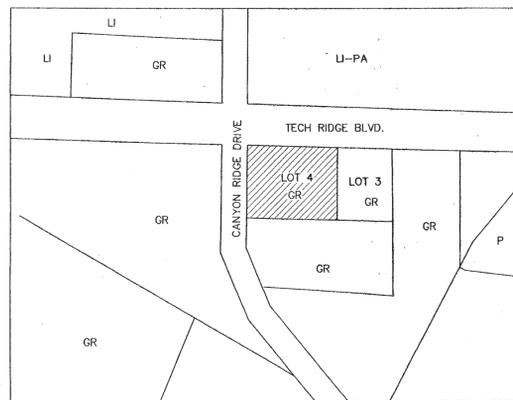
1" = 100'

### Tech Ridge Liquor Store

ZONING CASE#: C14-2021-0024  
 LOCATION: 12401 Tech Ridge Blvd.  
 SUBJECT AREA: 0.037Acres  
 GRID: M33  
 MANAGER: Sherri Sirwaitis



This map has been produced by the Communications Technology Management Dept. on behalf of the Planning Development Review Dept. for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.



ZONING / SUBDIVISION MAP

# TECH RIDGE GAS STATION

12401 TECH RIDGE BLVD,  
AUSTIN, TEXAS 78753

CLIENT  
**PACT VENTURES, LLC**  
13125 POND SPRINGS RD., STE. 101, AUSTIN, TX 78729  
(512) 563-8790

CONSULTING ENGINEERS

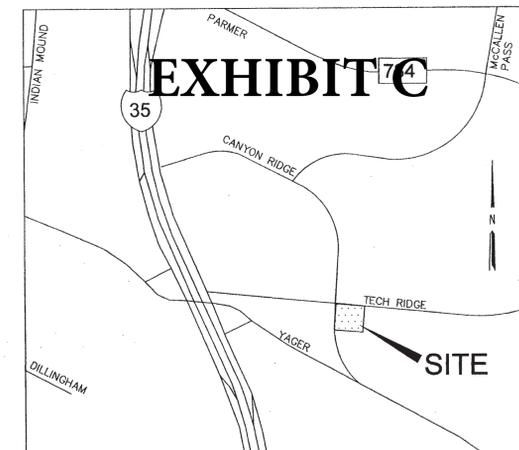
**PROFESSIONAL StruCIVIL ENGINEERS**

CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
12710 RESEARCH BLVD., SUITE 390, AUSTIN, TEXAS 78759  
(512) 238-6422 FAX (512) 258-8095



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MIRZA TAHIR BAIG, P.E., #82577 ON 04/03/2019 FIRM REGISTRATION F-4951

ENGINEER'S CERTIFICATION  
I, MIRZA TAHIR BAIG, PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THE PLANS ARE COMPLETE, ACCURATE AND IN COMPLIANCE WITH CHAPTER 25-B, SUBCHAPTER-A OF THE LAND DEVELOPMENT CODE.



**EXHIBIT C**  
SITE LOCATION MAP  
GRID M33 & MAPSCO PAGE 496H

SUBMITTAL DATE: FEBRUARY 23, 2018  
 PROJECT TITLE: TECH RIDGE GAS STATION  
 STREET ADDRESS: 12413 TECH RIDGE BLVD, AUSTIN, TX 78753  
 PROPERTY OWNER: TECH RIDGE PHASE VI LP  
 C/O MR. PAUL JUAREZ, 12212 TECH RIDGE BLVD, AUSTIN, TX 78753  
 CONTACT: SAMEER (512) 563-8790  
 DESIGN COMPANY: PROFESSIONAL STRUCIVIL ENGINEERS  
 12710 RESEARCH BLVD., SUITE 390, AUSTIN, TX 78759  
 CONTACT: MIRZA TAHIR BAIG P.E. (512) 238-6422  
 LANDSCAPE ARCHITECT: BLAIR LANDSCAPE ARCHITECTURE, LLC  
 P.O. BOX 82514, AUSTIN, TX 78708 (512) 589-7873  
 WILLIAM S. BLAIR, RPLA #2741  
 SURVEYOR: FRED L. DODD JR. SURVEYOR, INC.  
 8019 WEST GRAND PRKWAY., SUITE 1060, RICHMOND, TX 77407  
 (512) 953-5705  
 FRED L. DODD JR., RPLS #6392  
 NAME OF WATERSHED: WALNUT CREEK  
 CLASSIFICATION: SUBURBAN  
 100-YEAR FLOOD PLAIN: THIS PROPERTY IS NOT LOCATED IN 100 YEARS FLOOD PLAN AS (ZONE "X") SHOWN ON THE FEDERAL INSURANCE ADMINISTRATION FLOOD HAZARD BOUNDARY MAP, PANEL NO. 48453C0290J, AUGUST 18 2014.  
 LEGAL DESCRIPTION: LOT 4, BLOCK A, TECH RIDGE CENTER PHASE VI, DOCUMENT NO: 201800132, RECORDED IN TRAVIS COUNTY, TEXAS.  
 RECHARGE ZONE: THIS SITE IS NOT LOCATED OVER EDWARDS AQUIFER RECHARGE ZONE.  
 RELATED CASES: C14-85-322

AUSTIN FIRE DEPARTMENT	
DESIGN STANDARDS	2015 INTERNATIONAL FIRE CODE WITH CITY OF AUSTIN LOCAL AMENDMENTS
FIRE FLOW DEMAND AT 20 PSI	2,000 GPM
INTENDED USE	GAS STATION (CONVENIENCE STORE)
CONSTRUCTION CLASSIFICATION	M
BUILDING TYPE IFC	II-B
BUILDING FIRE AREA	7,962.50 SF
AUTOMATIC FIRE SPRINKLER SYSTEM	N/A
REDUCED FIRE FLOW DEMAND @ 20 PSI	N/A
FIRE HYDRANT FLOW TEST DATE	02/09/18
FIRE HYDRANT FLOW TEST LOCATION	100, CANYON RIDGE, DR
HIGH-RISE	NO
ALTERNATIVE METHOD OF COMPLIANCE	N/A

ON MINIMUM FIRE FLOW, DESIGN ENGINEER MUST INCLUDE 1500 GALLONS PER MINUTE OR REDUCED FIRE FLOW AMOUNT, WHICHEVER IS GREATER)

CITY OF AUSTIN  
WATER AND WASTEWATER UTILITY  
SPECIAL SERVICES DIVISION  
(512) 972-1060

THIS PROJECT HAS PRIVATE HYDRANTS LOCATED WITHIN THE PROPERTY. THE PROPERTY OWNER IS REQUIRED TO COMPLY WITH AUSTIN FIRE CODE. FAILURE TO COMPLY MAY RESULT IN CIVIL AND/OR CRIMINAL REMEDIES AVAILABLE TO THE CITY. THE PERFORMANCE OF THIS OBLIGATION SHALL ALWAYS REST WITH THE OWNER OF RECORD. FIRE HYDRANTS ON PRIVATE PROPERTY ARE REQUIRED TO BE SERVICED, MAINTAINED AND FLOWED ANNUALLY, USING A CONTRACTOR REGISTERED WITH THE CITY TO PROVIDE THE SERVICE. THIS PROJECT INCLUDES 1 PRIVATE HYDRANT.

RSMP NOTE:  
PARTICIPATION IN THE REGIONAL STORMWATER MANAGEMENT PROGRAM WAS GRANTED ON NOVEMBER 7, 2000 (WLN-2000-067-R & WLN-2000-237-R) BY THE CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT, OFFICE OF THE DIRECTOR.

- SITE PLAN NOTE:
- (1) THIS SITE PLAN IS SUBJECT TO SUBCHAPTER-E OF THE LAND DEVELOPMENT CODE (COMMERCIAL DESIGN STANDARDS). PRINCIPAL STREET IS TECH RIDGE BLVD.
  - (2) COMPLIANCE WITH THE COMMERCIAL AND MULTI-FAMILY RECYCLING ORDINANCE IS MANDATORY FOR MULTI-FAMILY COMPLEXES AND BUSINESSES AND OFFICE BUILDINGS.
  - (3) APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH 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
  - (4) COMPLIANCE WITH BUILDING DESIGN STANDARDS, ARTICLE 3 OF SUBCHAPTER E, IS REQUIRED, AND IS TO BE REVIEWED FOR COMPLIANCE DURING BUILDING CODE REVIEW.
  - (5) THE WATERQUALITY/2-YR DETENTION POND WILL BE PRIVATELY MAINTAINED. REFER TO THE RESTRICTIVE COVENANT DOCUMENT NO. 2019081939

TRAFFIC CONTROL PLAN NOTE:  
THIS NOTE IS BEING PLACED ON THE PLAN SET IN PLACE OF A TEMPORARY TRAFFIC CONTROL STRATEGY WITH THE FULL UNDERSTANDING THAT, AT A MINIMUM OF 6 WEEKS PRIOR TO THE START OF CONSTRUCTION, A TEMPORARY TRAFFIC CONTROL PLAN MUST BE REVIEWED AND APPROVED BY THE RIGHT OF WAY MANAGEMENT DIVISION. THE OWNER/REPRESENTATIVE FURTHER RECOGNIZES THAT A REVIEW FEE, AS PRESCRIBED BY THE MOST CURRENT VERSION OF THE CITY'S FEES ORDINANCES SHALL BE PAID EACH TIME A PLAN OR PLAN REVISION IS SUBMITTED TO THE RIGHT OF WAY MANAGEMENT DIVISION FOR REVIEW.

- THE FOLLOWING MUST BE TAKEN INTO CONSIDERATION WHEN DEVELOPING FUTURE TRAFFIC CONTROL STRATEGIES:
- 1) PEDESTRIAN AND BICYCLE TRAFFIC ACCESS MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE AUTHORIZED BY RIGHT OF WAY MANAGEMENT.
  - 2) NO LONG-TERM LANE CLOSURES WILL BE AUTHORIZED, UNLESS RIGHT OF WAY MANAGEMENT DETERMINES THAT ADEQUATE ACCOMMODATIONS HAVE BEEN MADE TO MINIMIZE TRAFFIC IMPACT.
  - 3) PROJECT SHOULD BE PHASED SO THAT UTILITY INSTALLATION MINIMALLY IMPACTS EXISTING OR TEMPORARY PEDESTRIAN FACILITIES.

PROTECTED STREETS  
THE ENGINEER OF RECORD ACKNOWLEDGES AND CONFIRMS THE PROTECTED STREETS STATUS AS DETERMINED BY THE STREET AND BRIDGE DIVISION AS OF THE DATE OF THE ENGINEER'S SIGNATURE. PROTECTED STREET STATUS IS SUBJECT TO CHANGE OVER TIME. IT IS THE OWNER'S/ENGINEER OF RECORD'S RESPONSIBILITY TO CONFIRM THE STREET STATUS PRIOR TO CONSTRUCTION AS PROTECTED STREET STATUS WILL DIRECTLY IMPACT THE CONSTRUCTION COSTS. IF PROTECTED STREETS ARE PROPOSED TO BE DISTURBED, APPROVAL OF THE STREET AND BRIDGE DIVISION IS REQUIRED.

- LIST OF DRAWINGS
1. COVER SHEET
  2. GENERAL NOTES
  3. EXISTING SURVEY
  4. DIMENSIONAL & FIRE SITE PLAN
  5. GRADING SITE PLAN
  6. EROSION/SEDIMENTATION SITE PLAN
  7. FIRE LANE SITE PLAN
  8. UTILITY SITE PLAN
  9. AUSTIN WATER GENERAL INFORMATION & CONSTRUCTION NOTES
  10. GENERAL UTILITY DETAILS
  11. GENERAL UTILITY DETAILS
  12. GENERAL DETAILS
  13. GENERAL DETAILS
  14. DRAINAGE AREA MAP
  15. WATER QUALITY & DETENTION POND DETAILS
  16. DETENTION & W.Q. POND NOTES
  17. LANDSCAPE PLAN
  18. LANDSCAPE DETAILS
  19. LANDSCAPE DETAILS
  20. HMI CALCULATIONS
  21. FINAL PLAT

Inspection Notice: Please call Development Services Department, Site & Subdivision Inspection at 512-974-6360 for arrangements for payment of inspection fees and job assignment for inspection of the public utilities to this site. Inspection fees must be paid before any Pre-construction meeting can be held

REVIEWED BY THE AUSTIN WATER UTILITY APPLIES ONLY TO FACILITIES WITHIN PUBLIC STREETS OR PUBLIC UTILITY EASEMENTS. ALL OTHER WATER AND WASTEWATER FACILITIES INSIDE PRIVATE PROPERTY ARE UNDER THE JURISDICTION OF BUILDING INSPECTION

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN DOES NOT REMOVE THESE RESPONSIBILITIES.

AUSTIN WATER UTILITY  
EXPIRATION DATE  
APR 24 2022

THIS SITE HAS BEEN GRANTED ALTERNATIVE EQUIVALENT COMPLIANCE FOR THE SUBURBAN ROADWAY SIDEWALK PLACEMENT REQUIREMENT OF SUBCHAPTER E [2.2.4.B]. AS AN ALTERNATIVE, A PEDESTRIAN SPACE WILL BE CONSTRUCTED, AS SHOWN ON SHEET 4.

### REVISIONS / CORRECTIONS

NO.	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NOS.	TOTAL NO OF SHEETS IN PLAN SET	NET CHANGE IMP. COVER SQ.FT.	TOTAL SITE IMP. COVER SQ.FT. / %	CITY OF AUSTIN APPROVAL / DATE	DATE IMAGED
C1	CANOPY CHANGED TO 6MPDS & PARKING LAYOUT REVISED	(R): 4, 5, 6, 7, 8, 17, 20	21	+850.32 sf	55,464.21 sf / 79.86%		

APPROVED BY: *[Signature]* DATE: 4/12/19  
 INDUSTRIAL WASTE

REVIEWED BY: *[Signature]* *Fo/om* DATE: 04/24/2019  
 AUSTIN WATER

REVIEWED BY: *[Signature]* DATE: 4/30/19  
 AUSTIN FIRE DEPARTMENT

APPROVED BY: *[Signature]* DATE: 7-31-19  
 FOR DIRECTOR, DEVELOPMENT SERVICES DEPARTMENT

SITE PLAN APPROVAL SHEET 1 OF 21  
 FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
 APPROVED BY: COMMISSION ON: 7-31-19 UNDER SECTION 112 OF CHAPTER 25-5 OF AUSTIN CITY CODE  
 EXPIRATION DATE(25-5-B1, LDC): 7-31-32 CASE MANAGER: JONATHAN DAVILA  
 PROJECT EXPIRATION DATE(ORD #970905-A): DWPZ DDZ  
 Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: ZONING: OR  
 REV. 1 CORRECTION 1  
 REV. 2 CORRECTION 2  
 REV. 3 CORRECTION 3

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.

CASE NO: SP-2018-0086C

ACCESSIBLE SITE PLAN NOTE:

- 1) ACCESSIBLE ROUTES WITHIN THE BOUNDARY OF THE SITE MUST BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. [IBC1104.1]
- 2) ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50. [ANSI 403.3]
- 3) OUTDOOR RAMPS AND THEIR APPROACHES MUST BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES. [ANSI 405.10]
- 4) CHANGES IN LEVEL GREATER THAN 1/2 INCH MUST BE ACCOMPLISHED BY MEANS OF A CURB RAMP, RAMP, ELEVATOR, OR PLATFORM LIFT. STAIRS SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. [ANSI 405.9]
- 5) GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT. [ANSI 302.1] SURFACE TEXTURE SHALL BE STAIRS.
- 6) PARKING ACCESS AISLES MUST BE PART OF THE ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND MUST HAVE A RUNNING SLOPE NO GREATER THAN 1:20 AND A CROSS SLOPE NO GREATER THAN 1:50. [ANSI 502.5]
- 7) PARKED VEHICLE OVERHANGS MUST NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE CIRCULATION ROUTE TO LESS THAN 36". WIDEN THE SIDEWALK TO A MINIMUM OF 5 FEET OR PROVIDE WHEEL STOPS 1.5 FEET FROM THE CURB. [ANSI 403.5, TABLE 403.5]
- 8) CURB RAMPS MUST BE PROVIDED WHERE AN ACCESSIBLE ROUTE CROSSES A CURB. [ANSI 406.1]
- 9) IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, IT MUST HAVE FLARED SIDES. IF THE LEVEL LANDING AT THE TOP OF THE RAMP IS LESS THAN 48" WIDE, THE SLOPE OF THE FLARE MAY NOT EXCEED 1:12; OTHERWISE, THE MAXIMUM SLOPE OF THE FLARE IS 1:10. CURB RAMPS WITH RETURNED CURBS MAY BE USED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. [ANSI 406.3, FIG. 406.3, TCM FIG. 4-1, 4-5]
- 10) CURB RAMPS AT MARKED CROSSINGS MUST BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.[ANSI 406.6]
- 11) EVERY ACCESSIBLE PARKING SPACE MUST BE IDENTIFIED BY A SIGN, CENTERED AT THE HEAD OF THE PARKING SPACE. THE SIGN MUST INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND STATE RESERVED, OR EQUIVALENT LANGUAGE. CHARACTERS AND SYMBOLS ON SUCH SIGNS MUST BE LOCATED 60" MINIMUM ABOVE GROUND SO THAT THEY CANNOT BE OBTURED BY A VEHICLE PARKED IN THE SPACE.
- 12) APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. COMPLIANCE WITH ACCESSIBILITY STANDARDS SUCH AS THE 2010 STANDARDS FOR ACCESSIBLE DESIGN OR THE 2012 TEXAS ACCESSIBILITY STANDARDS WAS NOT VERIFIED. THE APPLICANT IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY STANDARDS.
- 13) ALL SIDEWALK AND ACCESSIBLE ROUTE SHALL BE CONCRETE FINISH.

**GENERAL LEGEND**

- PROPERTY LINE
- LIMITS OF CONSTRUCTION
- SILT FENCE
- SILT FENCE & LOC
- PUE PUBLIC UTILITY EASEMENT
- DE DRAINAGE EASEMENT
- EE ELECTRICAL EASEMENT
- SSE SANITARY SEWER EASEMENT
- WSEL WATER SERVICE ELEVATION
- CMP CORRUGATED METAL PIPE
- ELEV. EXISTING CONTOURS
- ELEV. PROPOSED GRADING CONTOURS

**UTILITY LEGEND**

- FIRE HYDRANT
- GATE VALVE
- PLUG OR CAP
- STORM SEWER MANHOLE
- WASTEWATER MANHOLE
- WW CLEAN-OUT
- WATER LINE
- WASTEWATER LINE
- STORM SEWER LINE
- GAS LINE
- FLOW INDICATOR (SHOWN TO RIGHT)
- PROPOSED SERVICE TAP
- WATER METER
- IRRIGATION METER
- STORM SEWER INLET
- WATER SERVICE (SINGLE)
- WATER SERVICE (DOUBLE)
- UTILITY POLE
- LIGHT POLE
- OVERHEAD ELECTRIC
- WIRE FENCE
- UNDERGROUND ELECTRICAL LINE

**EROSION CONTROL LEGEND**

- TREE (EXISTING)
- TREE (TO BE REMOVED) (R)
- TREE PROTECTION

**SITE INFORMATION TABLE**

LOT AREA	69,434.64 SF	1.594 ACRES
IMPERVIOUS COVER EXISTING	0 SF	
IMPERVIOUS COVER PROPOSED	55,464.21 SF	1.273 ACRES
TOTAL IMPERVIOUS COVER	55,464.21 SF	1.273 ACRES (79.86%)
ZONING	OR	
PROPOSED USAGE	GENERAL RETAIL SALES(CONVENIENCE), RESTAURANT(LIMITED), SERVICE STATION	

**IMPERVIOUS COVER TABLE**

BUILDING	7,940.70 SF	
PARKING	43,806.75 SF	
SIDEWALK	4,716.76 SF	
TOTAL	55,464.21 SF	1.273 ACRES (79.86%)
ALLOWABLE IMPERVIOUS COVER	80%	

**BUILDING INFORMATION TABLE**

BUILDING COVERAGE	7,940.70 SF
NUMBER OF STORIES	1
TYPE OF CONSTRUCTION	II-B
MAX. BUILDING HEIGHT	28'-0"
ALLOWABLE BUILDING HEIGHT	60'-0"
ALLOWABLE F.A.R.	1:1
PROPOSED F.A.R.	1:0.114

**PARKING TABLE**

TOTAL PARKING SPACES REQUIRED	42
GENERAL RETAIL 5,962.50sf/275=22	
RESTAURANT 2,000sf/100=20	
TOTAL PARKING SPACES PROVIDED	42
PROVIDED STANDARD SPACES	31
PROVIDED COMPACT SPACES	3
PROVIDED HANDICAP VAN	1
PROVIDED STANDARD HANDICAP	1
PROVIDED LOADING SPACE	1

ELECTRIC UTILITY NOTES

1. 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.
2. 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.
3. 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 ELECTRICAL 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.
4. 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.



EXTERIOR LIGHTING NOTE: FIGURE 42

1. ALL EXTERIOR LIGHTING WILL BE FULLY CUT-OFF OR FULLY SHIELDED IN COMPLIANCE WITH SUBCHAPTER E 2.5.2. ALL SITE LIGHTING TO BE LOCATED ON THE BUILDING WILL BE IN COMPLIANCE WITH SUBCHAPTER E 2.5.2. AND WILL BE REVIEWED DURING BUILDING PLAN REVIEW. ANY CHANGE OR SUBSTITUTION OF LAMP/LIGHT FIXTURES SHALL BE SUBMITTED TO THE DIRECTOR FOR APPROVAL IN ACCORDANCE WITH SECTION 2.5.2.E
2. EXTERIOR LIGHTING ABOVE THE SECOND FLOOR IS PROHIBITED IN THE G, LR, GR, CS, OR CS-1 ZONING DISTRICTS, WHEN ADJACENT TO AN SF-5 OR MORE RESTRICTIVE ZONING DISTRICT (SECTION 25-2-2.585).

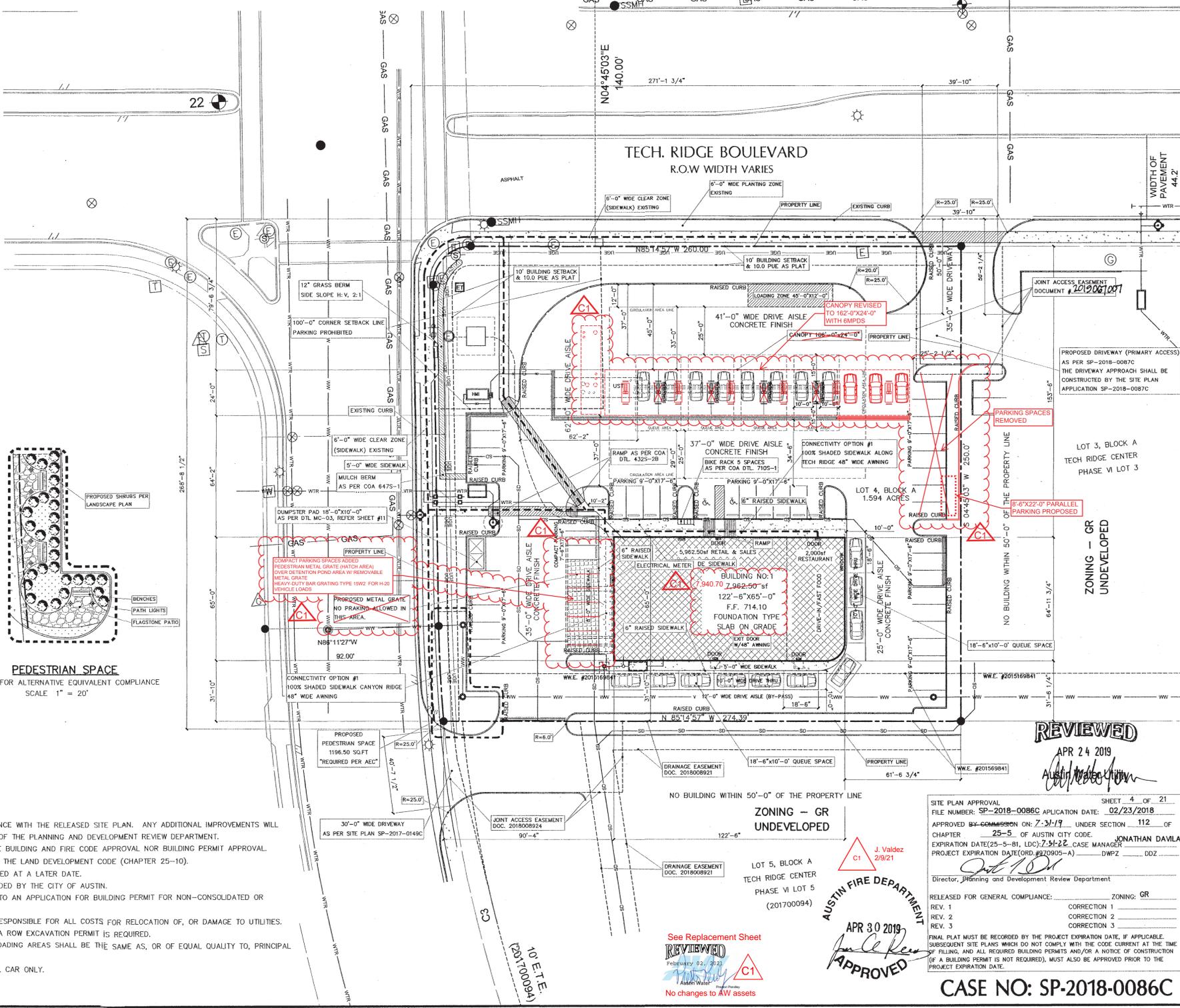
SITE PLAN NOTES:

1. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED SITE PLAN. ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE SITE PLAN AMENDMENT AND APPROVAL OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.
2. APPROVAL OF THIS SITE PLAN DOES NOT INCLUDE BUILDING AND FIRE CODE APPROVAL NOR BUILDING PERMIT APPROVAL.
3. ALL SIGNS MUST COMPLY WITH REQUIREMENTS OF THE LAND DEVELOPMENT CODE (CHAPTER 25-10).
4. ADDITIONAL ELECTRICAL EASEMENTS MAY BE REQUIRED AT A LATER DATE.
5. WATER AND WASTEWATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN.
6. A DEVELOPMENT PERMIT MUST BE ISSUED PRIOR TO AN APPLICATION FOR BUILDING PERMIT FOR NON-CONSOLIDATED OR PLANNING COMMISSION APPROVED SITE PLANS.
7. FOR DRIVEWAY CONSTRUCTION: THE OWNER IS RESPONSIBLE FOR ALL COSTS FOR RELOCATION OF, OR DAMAGE TO UTILITIES.
8. FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY, A ROW EXCAVATION PERMIT IS REQUIRED.
9. SCREENING FOR SOLID WASTE COLLECTION AND LOADING AREAS SHALL BE THE SAME AS, OR OF EQUAL QUALITY TO, PRINCIPAL BUILDING MATERIALS.
10. ALL COMPACT PARKING TO BE SIGNED FOR SMALL CAR ONLY.



SCALE 1"=30'

0 30 60 120



**PROFESSIONAL STRUCTURAL ENGINEERS, INC.**  
CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
12710 RESEARCH BLVD., SUITE 390, AUSTIN, TX 78799 TEL: 512.238.6422 FAX: 512.248.8955

**TECH RIDGE GAS STATION**  
12401 TECH RIDGE BLVD.  
AUSTIN, TEXAS 78753

**DIMENSIONAL & FIRE SITE PLAN**

PROJECT: 30204

SHEET 4 OF 21

CASE NO: SP-2018-0086C

APR 24 2019

APR 30 2019

REVIEWED

APPROVED

REVISIONS:

Rev.	Date	Description
1	04/07/19	ISSUED FOR APPROVAL
2	03/06/19	ISSUED FOR APPROVAL
3	01/24/19	ISSUED FOR APPROVAL
4	12/20/18	ISSUED FOR APPROVAL
5	02/17/18	ISSUED FOR APPROVAL

ACCESSIBLE SITE PLAN NOTE:

- 1) ACCESSIBLE ROUTES WITHIN THE BOUNDARY OF THE SITE MUST BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. [IBC1104.1]
- 2) ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50. [ANSI 403.3]
- 3) OUTDOOR RAMPS AND THEIR APPROACHES MUST BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES. [ANSI 405.10]
- 4) CHANGES IN LEVEL GREATER THAN 1/2 INCH MUST BE ACCOMPLISHED BY MEANS OF A CURB RAMP, RAMP, ELEVATOR, OR PLATFORM LIFT. STAIRS SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. [ANSI 405.9]
- 5) GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT. [ANSI 302.1] SURFACE TEXTURE SHALL BE PROVIDED.
- 6) PARKING ACCESS AISLES MUST BE PART OF THE ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND MUST HAVE A RUNNING SLOPE NO GREATER THAN 1:20 AND A CROSS SLOPE NO GREATER THAN 1:50. [ANSI 502.5]
- 7) PARKED VEHICLE OVERHANGS MUST NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE CIRCULATION ROUTE TO LESS THAN 36". WIDEN THE SIDEWALK TO A MINIMUM OF 5 FEET OR PROVIDE WHEEL STOPS 1.5 FEET FROM THE CURB. [ANSI 403.5, TABLE 403.5]
- 8) CURB RAMPS MUST BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB. [ANSI 406.1]
- 9) IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, IT MUST HAVE FLARED SIDES. IF THE LEVEL LANDING AT THE TOP OF THE RAMP IS LESS THAN 48" WIDE, THE SLOPE OF THE FLARE MAY NOT EXCEED 1:12; OTHERWISE, THE MAXIMUM SLOPE OF THE FLARE IS 1:10. CURB RAMPS WITH RETURNED CURBS MAY BE USED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. [ANSI 406.3, FIG. 406.3, TCM FIG. 4-1, 4-5]
- 10) CURB RAMPS AT MARKED CROSSINGS MUST BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.[ANSI 406.6]
- 11) EVERY ACCESSIBLE PARKING SPACE MUST BE IDENTIFIED BY A SIGN, CENTERED AT THE HEAD OF THE PARKING SPACE. THE SIGN MUST INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND STATE RESERVED, OR EQUIVALENT LANGUAGE. CHARACTERS AND SYMBOLS ON SUCH SIGNS MUST BE LOCATED 60" MINIMUM ABOVE GROUND SO THAT THEY CANNOT BE OBTURED BY A VEHICLE PARKED IN THE SPACE.
- 12) APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. COMPLIANCE WITH ACCESSIBILITY STANDARDS SUCH AS THE 2010 STANDARDS FOR ACCESSIBLE DESIGN OR THE 2012 TEXAS ACCESSIBILITY STANDARDS WAS NOT VERIFIED. THE APPLICANT IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY STANDARDS.
- 13) ALL SIDEWALK AND ACCESSIBLE ROUTE SHALL BE CONCRETE FINISH.

**GENERAL LEGEND**

- PROPERTY LINE
- LIMITS OF CONSTRUCTION
- SILT FENCE
- SILT FENCE & LOC
- PUE PUBLIC UTILITY EASEMENT
- DE DRAINAGE EASEMENT
- EE ELECTRICAL EASEMENT
- SSE SANITARY SEWER EASEMENT
- WSEL WATER SURFACE ELEVATION
- CMP CORRUGATED METAL PIPE
- ELEV. EXISTING CONTOURS
- ELEV. PROPOSED GRADING CONTOURS

**UTILITY LEGEND**

- FIRE HYDRANT
- GATE VALVE
- PLUG OR CAP
- STORM SEWER MANHOLE
- WASTEWATER MANHOLE
- WW CLEAN-OUT
- WATER LINE
- WASTEWATER LINE
- STORM SEWER LINE
- GAS LINE
- FLOW INDICATOR (SHOWN TO RIGHT)
- PROPOSED SERVICE TAP
- WATER METER
- IRRIGATION METER
- STORM SEWER INLET
- WATER SERVICE (SINGLE)
- WATER SERVICE (DOUBLE)
- UTILITY POLE
- LIGHT POLE
- OVERHEAD ELECTRIC
- WIRE FENCE
- UNDERGROUND ELECTRICAL LINE

**EROSION CONTROL LEGEND**

- TREE (EXISTING)
- TREE (TO BE REMOVED) (R)
- TREE PROTECTION

**SITE INFORMATION TABLE**

LOT AREA	69,434.64 SF	1.594 ACRES
IMPERVIOUS COVER EXISTING	0 SF	
IMPERVIOUS COVER PROPOSED	55,464.21 SF	1.273 ACRES
TOTAL IMPERVIOUS COVER	55,464.21 SF	1.273 ACRES (79.86%)
ZONING	OR	
PROPOSED USAGE	GENERAL RETAIL SALES(CONVENIENCE), RESTAURANT(LIMITED), SERVICE STATION, FOOD SALES	

**IMPERVIOUS COVER TABLE**

BUILDING	7,940.70 SF
PARKING	43,806.75 SF
SIDEWALK	3,716.76 SF
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ALLOWABLE IMPERVIOUS COVER	80%

**BUILDING INFORMATION TABLE**

BUILDING COVERAGE	7,940.70 SF
NUMBER OF STORIES	1
TYPE OF CONSTRUCTION	II-B
MAX. BUILDING HEIGHT	28'-0"
ALLOWABLE BUILDING HEIGHT	60'-0"
ALLOWABLE F.A.R.	1:1
PROPOSED F.A.R.	1:0.114

**PARKING TABLE**

TOTAL PARKING SPACES REQUIRED	42
GENERAL RETAIL 5,940.70sf/275=22	
RESTAURANT 2,000sf/100=20	
TOTAL PARKING SPACES PROVIDED	42
SUMMARY OF PARKING SPACES	
PROVIDED STANDARD SPACES	31
PROVIDED COMPACT SPACES	9
PROVIDED HANDICAP VAN	1
PROVIDED STANDARD HANDICAP	1
PROVIDED LOADING SPACE	1

ELECTRIC UTILITY NOTES

1. 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.
2. 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.
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4. 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.



EXTERIOR LIGHTING NOTE: FIGURE 42

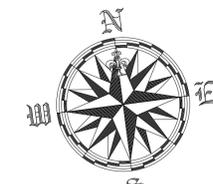
1. ALL EXTERIOR LIGHTING WILL BE FULLY CUT-OFF OR FULLY SHIELDED IN COMPLIANCE WITH SUBCHAPTER E 2.5.2. ALL SITE LIGHTING TO BE LOCATED ON THE BUILDING WILL BE IN COMPLIANCE WITH SUBCHAPTER E 2.5.2, AND WILL BE REVIEWED DURING BUILDING PLAN REVIEW. ANY CHANGE OR SUBSTITUTION OF LAMP/LIGHT FIXTURES SHALL BE SUBMITTED TO THE DIRECTOR FOR APPROVAL IN ACCORDANCE WITH SECTION 2.5.2.E
2. EXTERIOR LIGHTING ABOVE THE SECOND FLOOR IS PROHIBITED IN THE GO, LR, GR, CS, OR CS-1 ZONING DISTRICTS, WHEN ADJACENT TO AN SF-5 OR MORE RESTRICTIVE ZONING DISTRICT (SECTION 25-2-585).

IMPROVEMENTS TO ENCOURAGE CONNECTIVITY

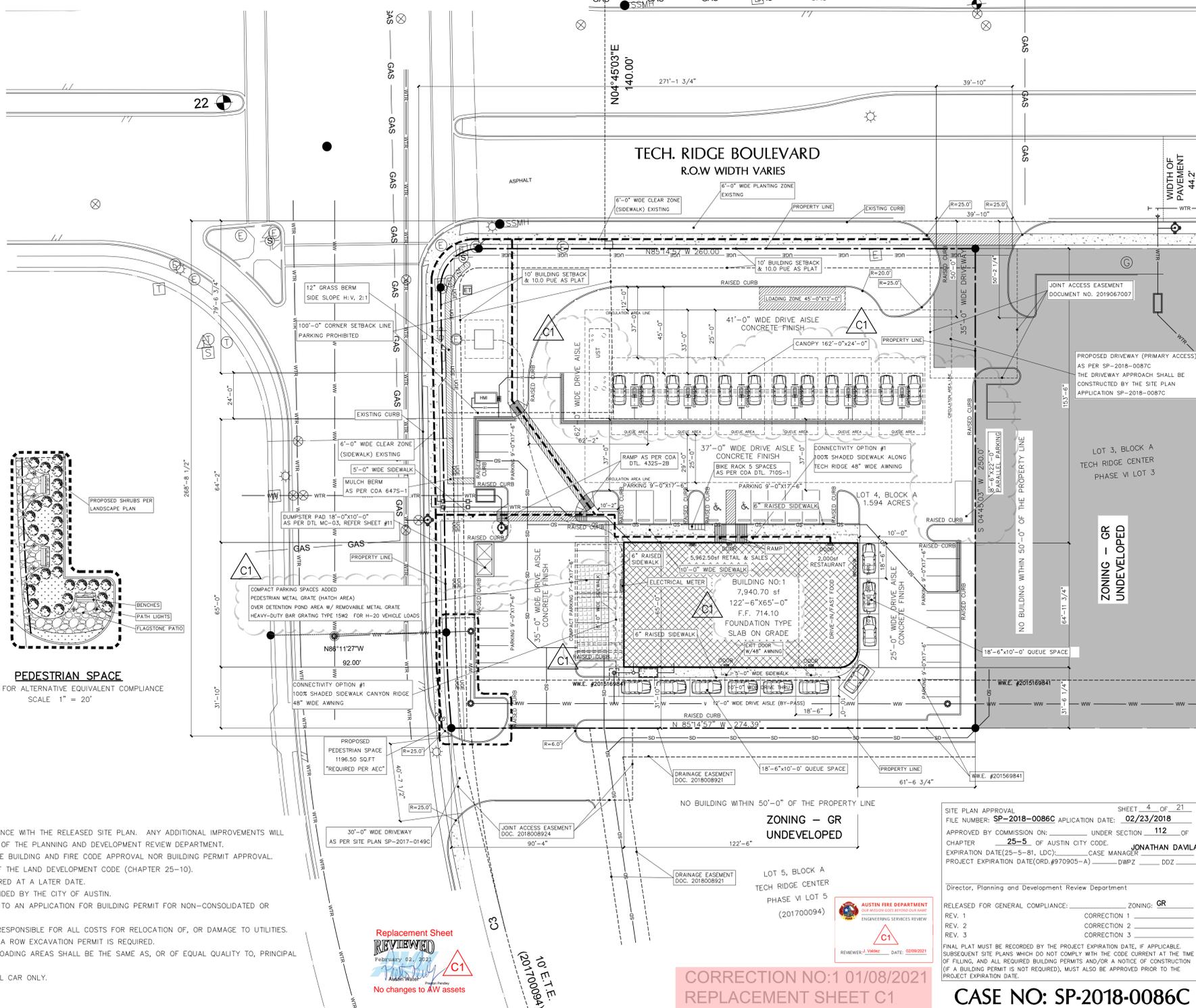
- 1) LIMIT CURB CUTS.
- 2) FOR SITES WITH A SINGLE BUILDING, PROVIDE SHADED SIDEWALKS ALONG 100% OF THE BUILDING FACADE TO THE PRINCIPAL STREET. PROVIDED SHADED SIDEWALKS ALONG 100% OF TECH RIDGE BLVD.

SITE PLAN 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 THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.
2. APPROVAL OF THIS SITE PLAN DOES NOT INCLUDE BUILDING AND FIRE CODE APPROVAL NOR BUILDING PERMIT APPROVAL.
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10. ALL COMPACT PARKING TO BE SIGNED FOR SMALL CAR ONLY.



SCALE 1" = 30'



**PEDESTRIAN SPACE**  
 REQUIRED FOR ALTERNATIVE EQUIVALENT COMPLIANCE  
 SCALE 1" = 20'

Replacement Sheet  
 REVIEWED  
 February 22, 2020  
 No changes to AW assets

CORRECTION NO:1 01/08/2021  
 REPLACEMENT SHEET C1

SITE PLAN APPROVAL  
 FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
 APPROVED BY COMMISSION ON: UNDER SECTION 112 OF CHAPTER 25-5 OF AUSTIN CITY CODE. JONATHAN DAVILA  
 EXPIRATION DATE(25-5-81, LDC): CASE MANAGER  
 PROJECT EXPIRATION DATE(ORD#079095-A) DWP DDZ

Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: ZONING: GR

REV. 1 CORRECTION 1  
 REV. 2 CORRECTION 2  
 REV. 3 CORRECTION 3

FINAL PLAN 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.

**PROFESSIONAL STRUCTURAL ENGINEERS, INC.**  
 CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
 12710 RESEARCH BLVD., SUITE 300, AUSTIN, TX 78759 | TEL: 512.238.6422 | FAX: 512.238.8095

Project: TECH RIDGE GAS STATION  
 12401 TECH RIDGE BLVD.  
 AUSTIN, TEXAS 78753

Title: DIMENSIONAL & FIRE SITE PLAN

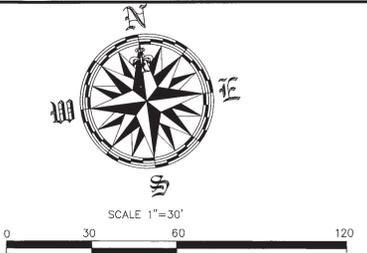
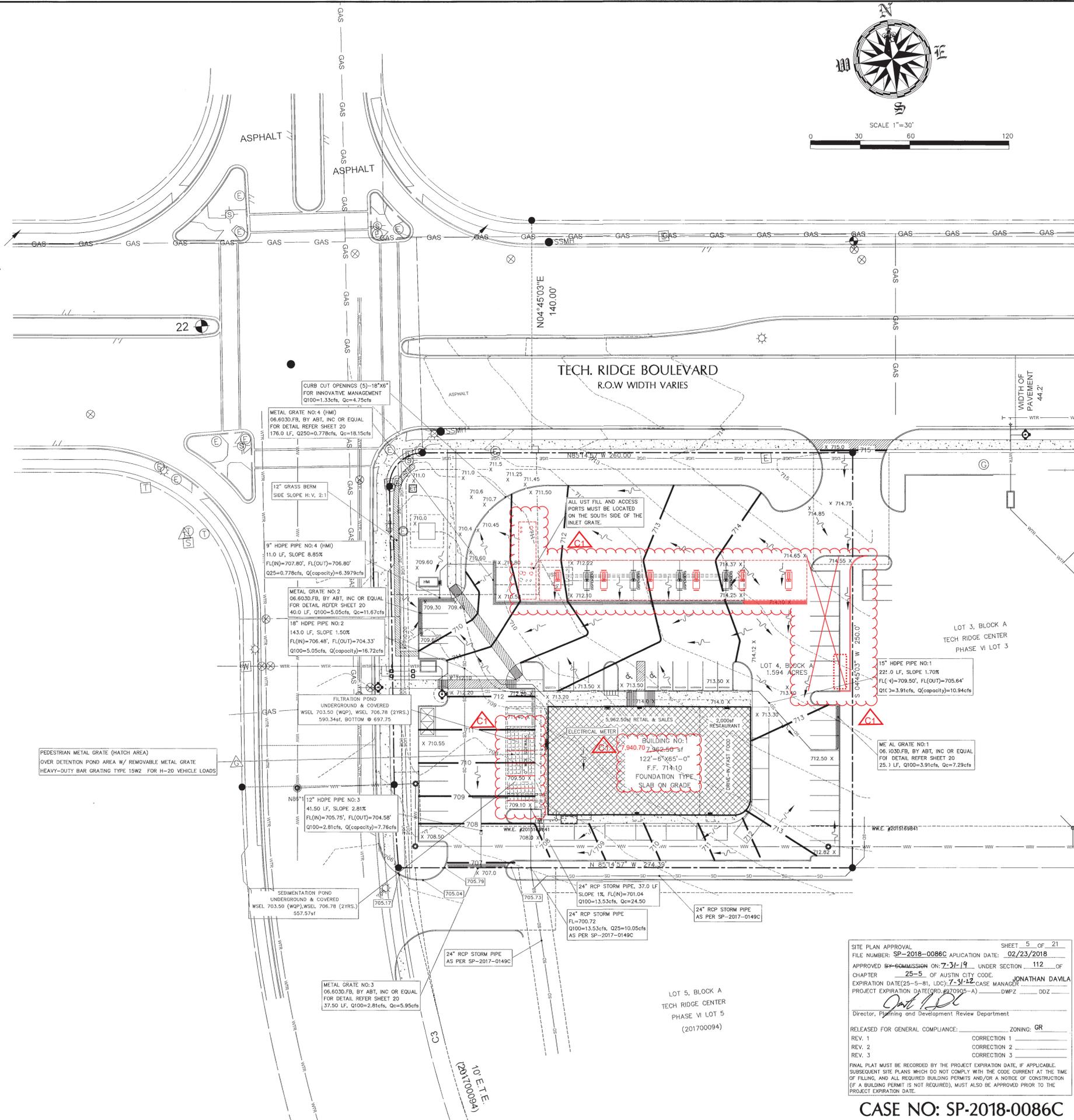
30204

SHEET 4 OF 21

DATE: 02/23/2018

REVIEWER: J. Davila DATE: 02/23/2018

GENERAL LEGEND	
---	PROPERTY LINE
---	LIMITS OF CONSTRUCTION
---	SILT FENCE
---	SILT FENCE & LOC
PUE	PUBLIC UTILITY EASEMENT
DE	DRAINAGE EASEMENT
EE	ELECTRICAL EASEMENT
SSE	SANITARY SEWER EASEMENT
WSEL	WATER SURFACE ELEVATION
CMP	CORRUGATED METAL PIPE
---	ELEV. EXISTING CONTOURS
---	ELEV. PROPOSED GRADING CONTOURS
UTILITY LEGEND	
⊙	FIRE HYDRANT
⊗	GATE VALVE
⊕	PLUG OR CAP
⊙	STORM SEWER MANHOLE
⊙	WASTEWATER MANHOLE
⊙	WW CLEAN-OUT
---	WATER LINE
---	WASTEWATER LINE
---	STORM SEWER LINE
---	GAS LINE
→	FLOW INDICATOR (SHOWN TO RIGHT)
---	PROPOSED SERVICE TAP
⊕	WATER METER
⊕	IRRIGATION METER
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⊕	WATER SERVICE (SINGLE)
⊕	WATER SERVICE (DOUBLE)
⊙	UTILITY POLE
---	LIGHT POLE
---	OVERHEAD ELECTRIC
---	WIRE FENCE
---	UNDERGROUND ELECTRICAL LINE
EROSION CONTROL LEGEND	
⊙	TREE (EXISTING)
⊙	TREE (TO BE REMOVED) (R)
---	TREE PROTECTION



Rev.	Description	Date	Drawn
6			
5			
4	ISSUED FOR APPROVAL	04/03/19	
3	ISSUED FOR APPROVAL	03/06/19	
2	ISSUED FOR APPROVAL	01/24/19	
1	ISSUED FOR APPROVAL	11/20/18	
0	ISSUED FOR APPROVAL	02/19/18	

**PROFESSIONAL STRUCTURAL ENGINEERS, INC.**  
 CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
 12710 RESEARCH BLVD., SUITE 300, AUSTIN, TX 78759 | TEL: 512.238.6421 | FAX: 512.238.8095

**TECH RIDGE GAS STATION**  
 12401 TECH RIDGE BLVD.  
 AUSTIN, TEXAS 78753

**GRADING AND DRAINAGE SITE PLAN**

SITE PLAN APPROVAL SHEET 5 OF 21  
 FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
 APPROVED BY COMMISSION ON: 7-31-19 UNDER SECTION 112 OF CHAPTER 25-5 OF AUSTIN CITY CODE. JONATHAN DAVILA  
 EXPIRATION DATE(25-5-81, LDC): 7-31-12 CASE MANAGER  
 PROJECT EXPIRATION DATE(GRD.#70905-A) DWPZ DDZ  
 Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: ZONING: GR  
 REV. 1 CORRECTION 1  
 REV. 2 CORRECTION 2  
 REV. 3 CORRECTION 3

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.

**CASE NO: SP-2018-0086C**

PROJECT: 30204  
 SHEET: 5 OF 21

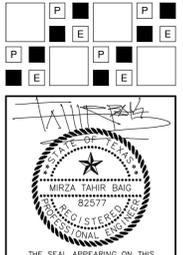
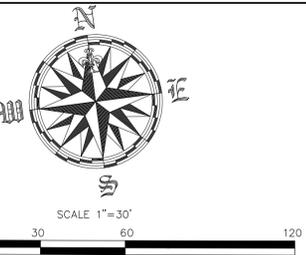
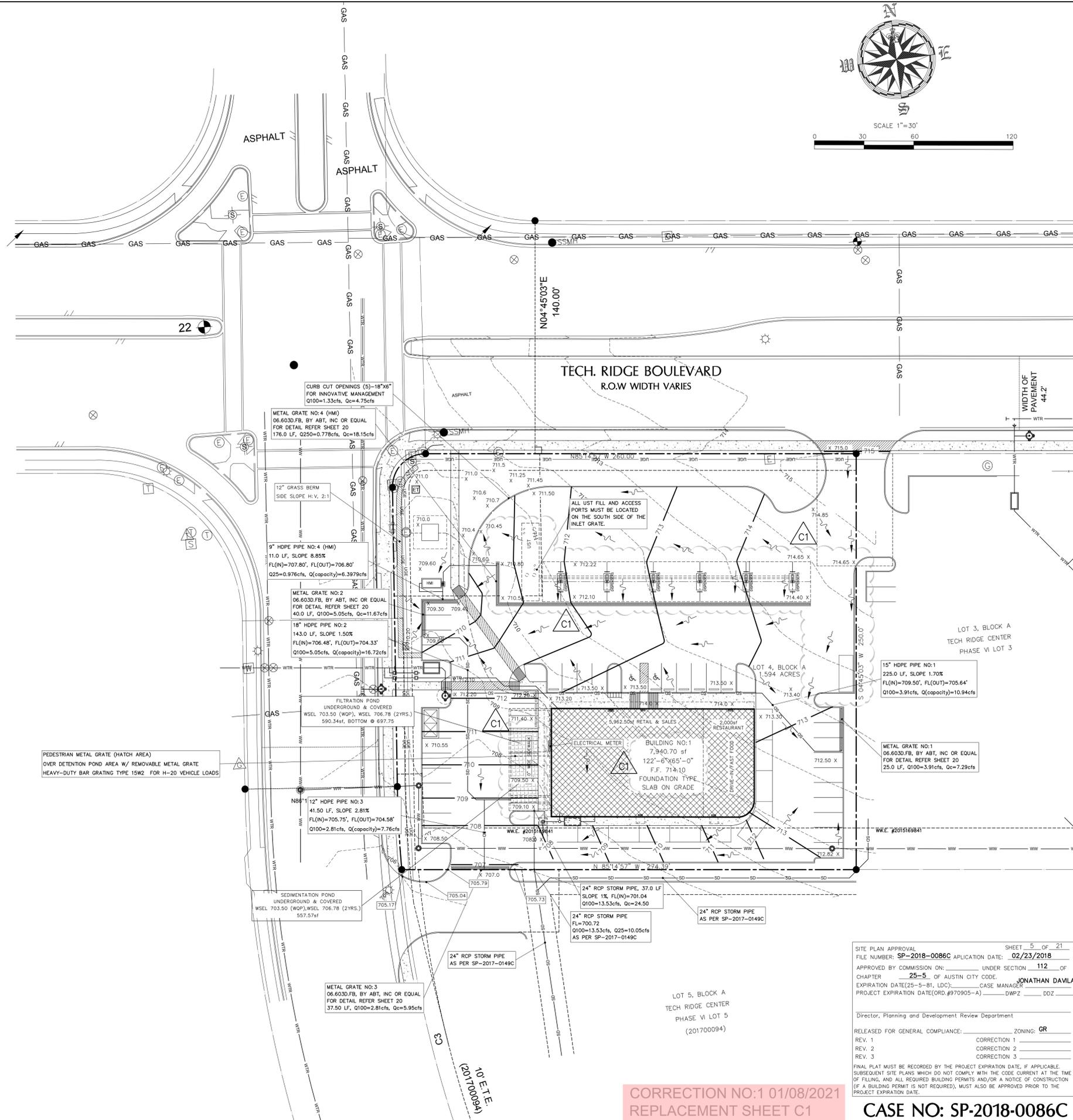
GENERAL LEGEND	
---	PROPERTY LINE
---	LIMITS OF CONSTRUCTION
---	SILT FENCE
---	SILT FENCE & LOC
PUE	PUBLIC UTILITY EASEMENT
DE	DRAINAGE EASEMENT
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SSE	SANITARY SEWER EASEMENT
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UTILITY LEGEND	
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EROSION CONTROL LEGEND	
	TREE (EXISTING)
	TREE (TO BE REMOVED) (R)
---	TREE PROTECTION



Rev.	Description	Date	Drawn
6			
5	ISSUED FOR APPROVAL	01/08/21	
4	ISSUED FOR APPROVAL	04/09/19	
3	ISSUED FOR APPROVAL	03/06/19	
2	ISSUED FOR APPROVAL	01/24/19	
1	ISSUED FOR APPROVAL	11/20/18	
0	ISSUED FOR APPROVAL	02/19/18	

**PROFESSIONAL STRUCTURAL ENGINEERS, INC.**  
 CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
 12710 RESEARCH BLVD., SUITE 300, AUSTIN, TX 78759 | TEL: 512.238.6422 | FAX: 512.238.8095

**TECH RIDGE GAS STATION**  
 12401 TECH RIDGE BLVD.  
 AUSTIN, TEXAS 78753

**GRADING AND DRAINAGE SITE PLAN**

SITE PLAN APPROVAL SHEET 5 OF 21  
 FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
 APPROVED BY COMMISSION ON: \_\_\_\_\_ UNDER SECTION 112 OF CHAPTER 255 OF AUSTIN CITY CODE.  
 EXPIRATION DATE(25-5-81, LD-C): \_\_\_\_\_ CASE MANAGER: JONATHAN DAVILA  
 PROJECT EXPIRATION DATE(ORD.#970905-A) \_\_\_\_\_ DWP: \_\_\_\_\_ DDZ: \_\_\_\_\_

Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: GR  
 REV. 1 CORRECTION 1  
 REV. 2 CORRECTION 2  
 REV. 3 CORRECTION 3

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.

**CORRECTION NO:1 01/08/2021**  
**REPLACEMENT SHEET C1**

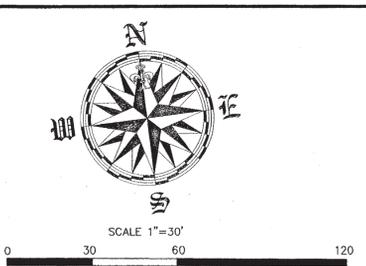
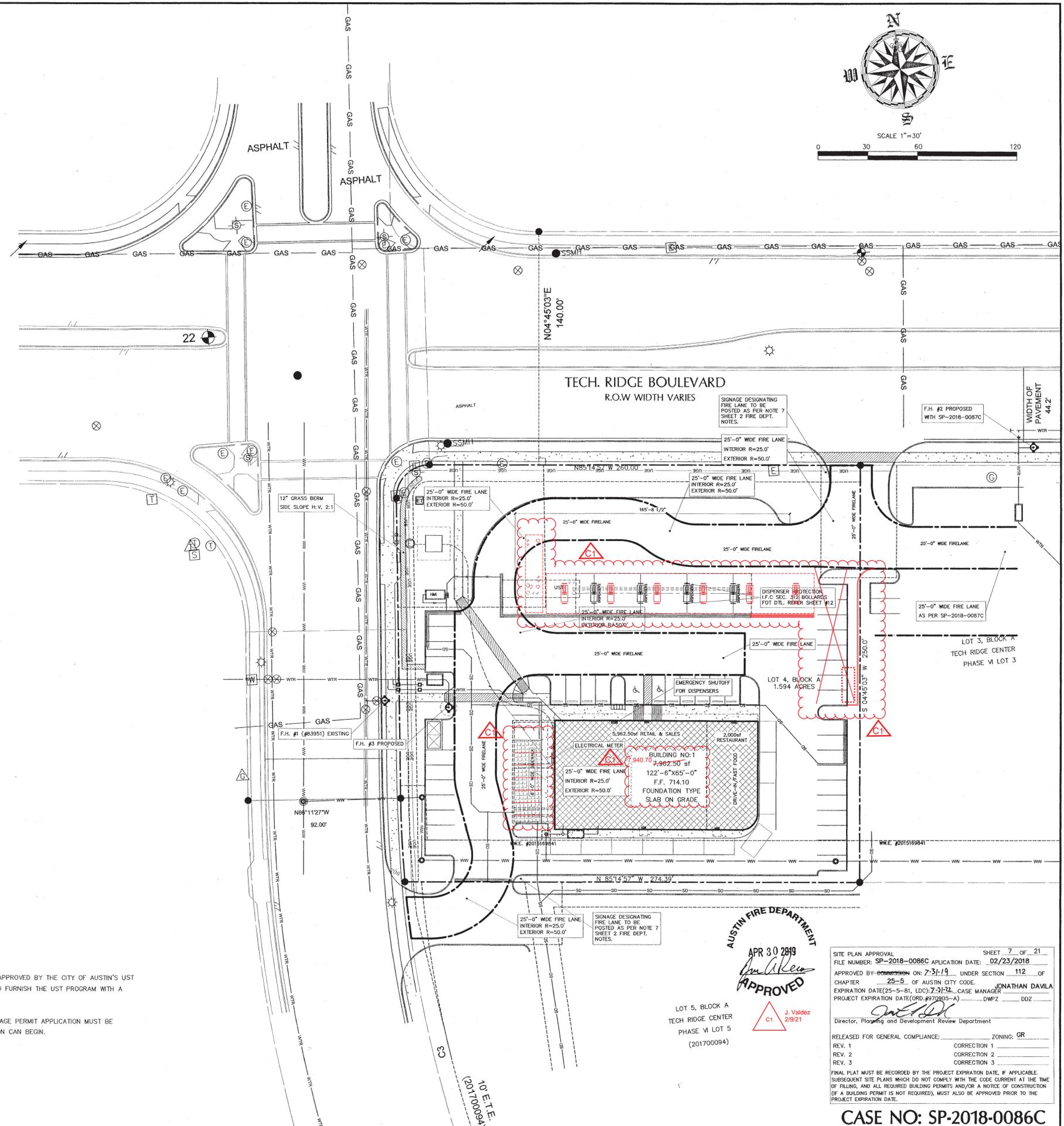
**CASE NO: SP-2018-0086C**

PROJECT	30204	SHEET	5
		OF 21	





GENERAL LEGEND	
---	PROPERTY LINE
---	LIMITS OF CONSTRUCTION
---	SILT FENCE
---	SILT FENCE & LOC
PUE	PUBLIC UTILITY EASEMENT
DE	DRAINAGE EASEMENT
EE	ELECTRICAL EASEMENT
SSE	SANITARY SEWER EASEMENT
WSEL	WATER SURFACE ELEVATION
CMP	CORRUGATED METAL PIPE
ELEV.	EXISTING CONTOURS
---	PROPOSED GRADING CONTOURS
UTILITY LEGEND	
	FIRE HYDRANT
	GATE VALVE
	PLUG OR CAP
	STORM SEWER MANHOLE
	WASTEWATER MANHOLE
	WW CLEAN-OUT
	WATER LINE
	WASTEWATER LINE
	STORM SEWER LINE
	GAS LINE
	FLOW INDICATOR (SHOWN TO RIGHT)
	PROPOSED SERVICE TAP
	WATER METER
	IRRIGATION METER
	STORM SEWER INLET
	WATER SERVICE (SINGLE)
	WATER SERVICE (DOUBLE)
UTILITY POLE	
	LIGHT POLE
	OVERHEAD ELECTRIC
	WIRE FENCE
	UNDERGROUND ELECTRICAL LINE
EROSION CONTROL LEGEND	
	TREE (EXISTING)
	TREE (TO BE REMOVED) (R)
	TREE PROTECTION



UST NOTES:

- (1) UST CONSTRUCTION PLAN REQUIREMENTS.  
A UST CONSTRUCTION APPLICATION AND UST SPECIFICATIONS MUST BE SUBMITTED IN DUPLICATE AND APPROVED BY THE CITY OF AUSTIN'S UST PROGRAM PRIOR TO BREAKING GROUND AT THE SITE. ALSO, ONCE THE SITE PLAN HAS BEEN APPROVED FURNISH THE UST PROGRAM WITH A SIGNED OFF SET.
- (2) HAZARDOUS MATERIALS STORAGE PERMIT APPLICATION.  
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**AUSTIN FIRE DEPARTMENT**  
APR 30 2019  
*J. Valdez*  
**APPROVED**

**C1**  
J. Valdez  
2/9/21

LOT 5, BLOCK A  
TECH RIDGE CENTER  
PHASE VI LOT 5  
(201700094)

SITE PLAN APPROVAL	SHEET 7 OF 21
FILE NUMBER: SP-2018-0086C	APPLICATION DATE: 02/23/2018
APPROVED BY: COMMISSION ON: 7-31-19	UNDER SECTION 112 OF CHAPTER 25-5 OF AUSTIN CITY CODE.
EXPIRATION DATE: (25-5-81, LDC): 7-31-22	CASE MANAGER: JONATHAN DAVILA
PROJECT EXPIRATION DATE: (ORD.#970805-A)	DWP#2 DDZ
Director, Planning and Development Review Department	
RELEASED FOR GENERAL COMPLIANCE:	ZONING: GR
REV. 1	CORRECTION 1
REV. 2	CORRECTION 2
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**TECH RIDGE GAS STATION**  
12401 TECH RIDGE BLVD.  
AUSTIN, TEXAS 78753

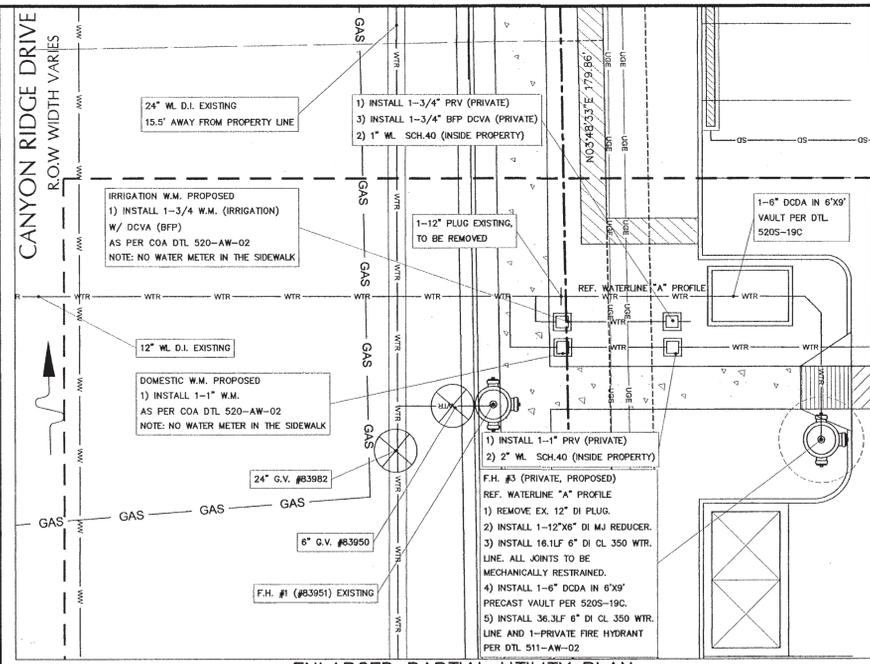
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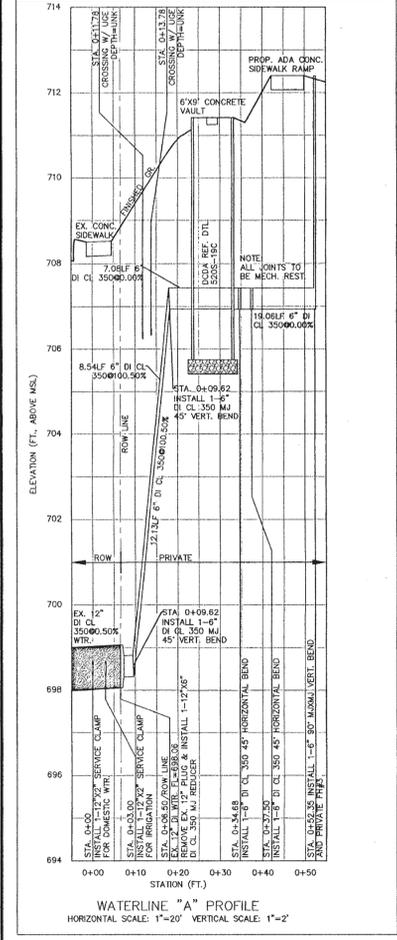
Project: **30204**

SHEET **7** OF 21





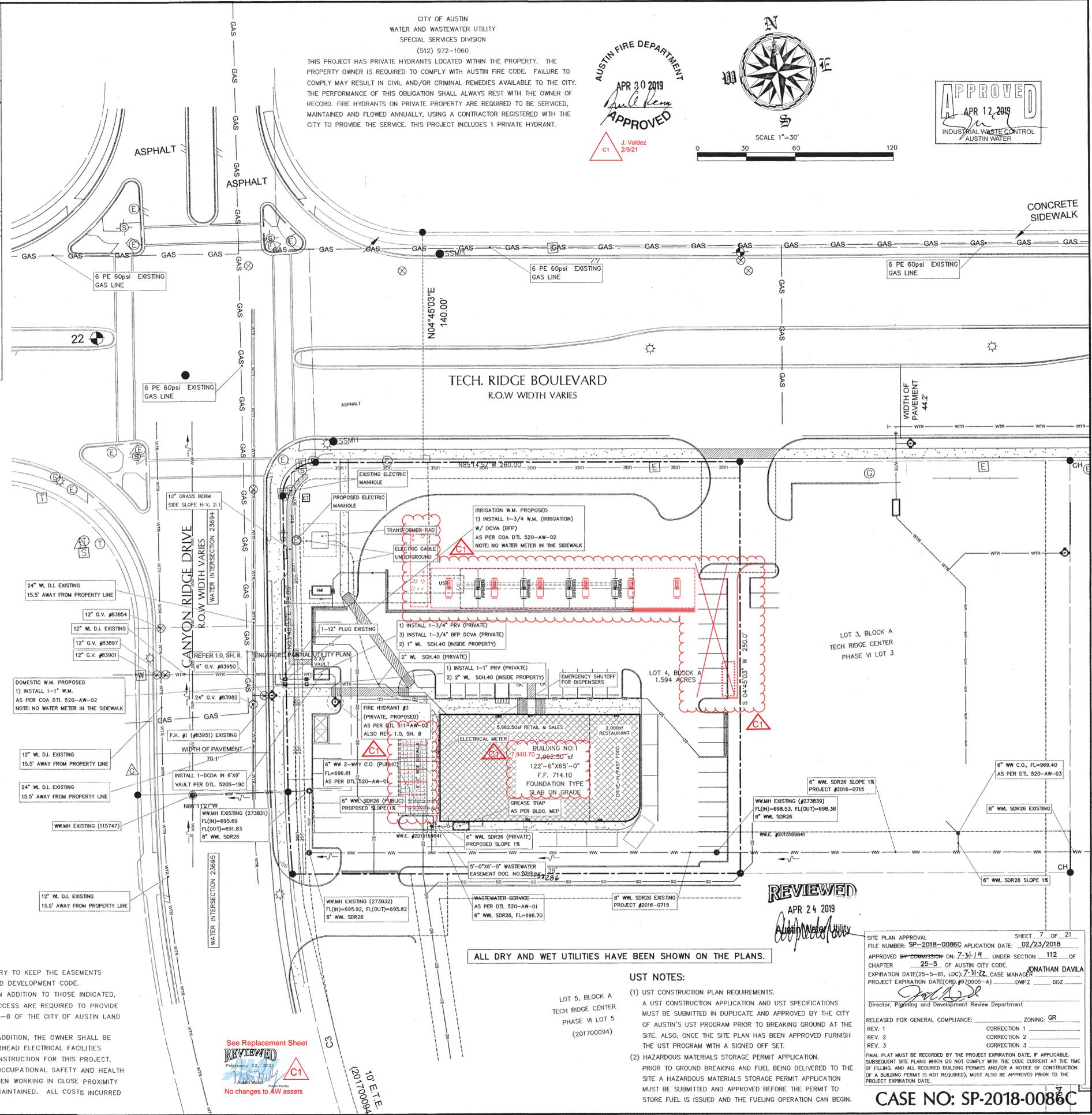
ENLARGED PARTIAL UTILITY PLAN  
SCALE 1"=10'-0"



ELECTRIC UTILITY NOTES

- 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 ELECTRICAL 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.
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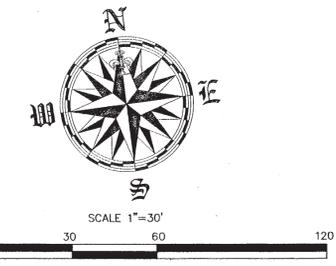
GENERAL LEGEND	
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---	OVERHEAD ELECTRIC
---	WIRE FENCE
---	UNDERGROUND ELECTRICAL LINE



CITY OF AUSTIN  
WATER AND WASTEWATER UTILITY  
SPECIAL SERVICES DIVISION  
(512) 972-1060

THIS PROJECT HAS PRIVATE HYDRANTS LOCATED WITHIN THE PROPERTY. THE PROPERTY OWNER IS REQUIRED TO COMPLY WITH AUSTIN FIRE CODE. FAILURE TO COMPLY MAY RESULT IN CIVIL AND/OR CRIMINAL REMEDIES AVAILABLE TO THE CITY. THE PERFORMANCE OF THIS OBLIGATION SHALL ALWAYS REST WITH THE OWNER OF RECORD. FIRE HYDRANTS ON PRIVATE PROPERTY ARE REQUIRED TO BE SERVICED, MAINTAINED AND FLOWED ANNUALLY, USING A CONTRACTOR REGISTERED WITH THE CITY TO PROVIDE THE SERVICE. THIS PROJECT INCLUDES 1 PRIVATE HYDRANT.

AUSTIN FIRE DEPARTMENT  
APR 30 2019  
APPROVED  
J. Valdez  
2/9/21



APPROVED  
APR 12 2019  
INDUSTRIAL WASTE CONTROL  
AUSTIN WATER



Rev.	Date	Description
6		
5		
4	04/03/19	ISSUED FOR APPROVAL
3	03/06/19	ISSUED FOR APPROVAL
2	01/24/19	ISSUED FOR APPROVAL
1	11/29/18	ISSUED FOR APPROVAL
0	02/19/18	ISSUED FOR APPROVAL

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TECH RIDGE GAS STATION  
12401 TECH RIDGE BLVD.  
AUSTIN, TEXAS 78753

UTILITY SITE PLAN

ALL DRY AND WET UTILITIES HAVE BEEN SHOWN ON THE PLANS.

LOT 5, BLOCK A  
TECH RIDGE CENTER  
PHASE VI LOT 5  
(201700094)

- UST NOTES:
- UST CONSTRUCTION PLAN REQUIREMENTS.  
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REVIEWED  
APR 24 2019  
AUSTIN ENERGY

SHEET 7 OF 21  
FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
APPROVED BY COMMISSION ON: 7-31-19 UNDER SECTION 112 OF CHAPTER 25-5 OF AUSTIN CITY CODE. JONATHAN DAVILA  
EXPIRATION DATE (25-5-81, LDC): 7-31-22, CASE MANAGER  
PROJECT EXPIRATION DATE (ORD #92905-A) DWP2 DOZ  
Director, Planning and Development Review Department

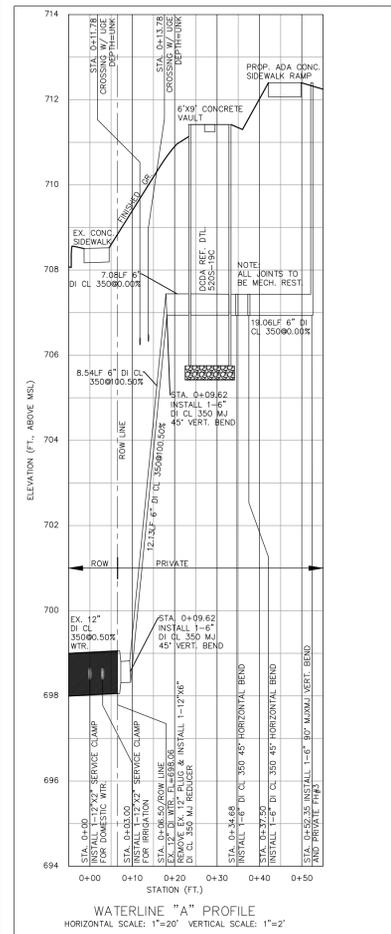
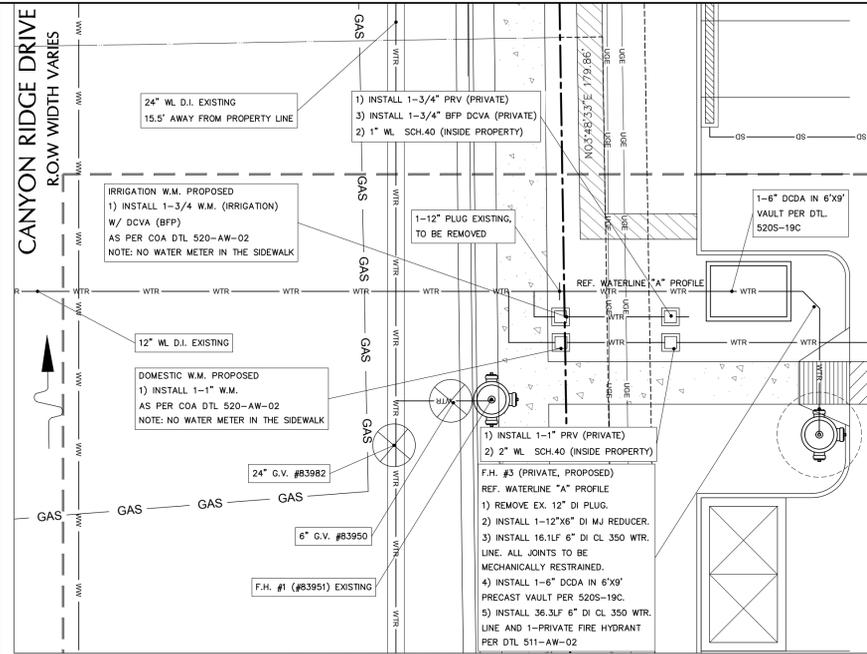
RELEASED FOR GENERAL COMPLIANCE: ZONING: GR  
REV. 1 CORRECTION 1  
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CASE NO: SP-2018-0086C

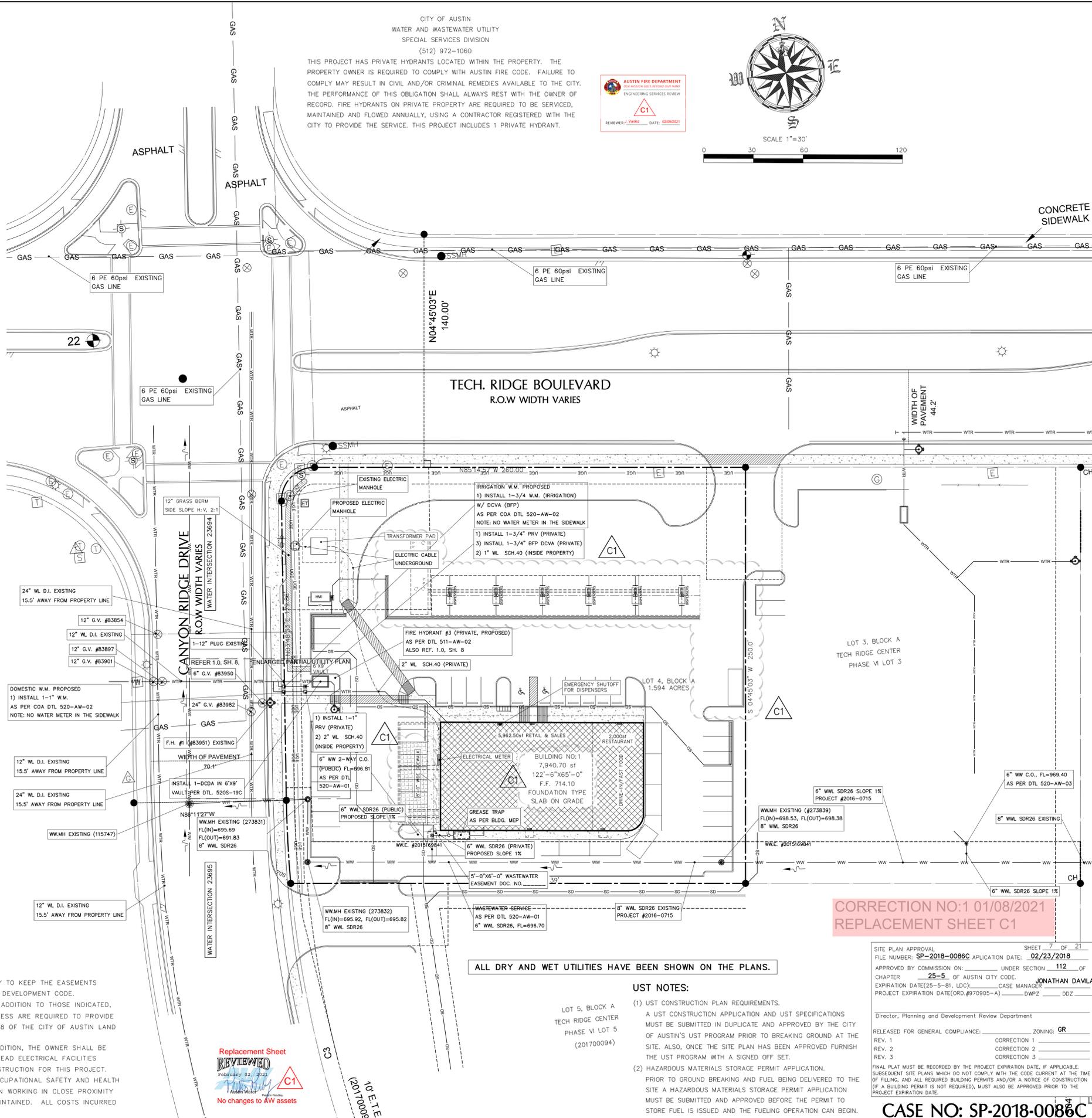
See Replacement Sheet  
REVIEWED  
February 02, 2021  
No changes to AW assets

PROJECT 30204  
SHEET 8 OF 21



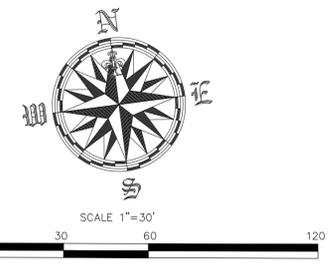
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**TECH RIDGE GAS STATION**  
12401 TECH RIDGE BLVD.  
AUSTIN, TEXAS 78753

**UTILITY SITE PLAN**

Project: TECH RIDGE GAS STATION  
12401 TECH RIDGE BLVD.  
AUSTIN, TEXAS 78753

THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE, AND SHALL REMAIN THE PROPERTY OF THE ENGINEER, INC. AND SHALL NOT BE REPRODUCED, COPIED, REPRODUCED IN ANY MANNER, OR USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER, INC. ALL RIGHTS RESERVED. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE BEFORE PROCEEDING WITH EACH PHASE OF HIS WORK AND BE RESPONSIBLE FOR SAME. NO WARRANTY, EXPRESSED OR IMPLIED, IS EITHER INTENDED OR IMPLIED BY THESE PLANS.

Rev.	Description	Date
0	ISSUED FOR APPROVAL	02/19/18
1	ISSUED FOR APPROVAL	11/20/19
2	ISSUED FOR APPROVAL	03/06/19
3	ISSUED FOR APPROVAL	04/03/19
4	ISSUED FOR APPROVAL	01/08/21
5	ISSUED FOR APPROVAL	01/08/21

**CORRECTION NO:1 01/08/2021**  
**REPLACEMENT SHEET C1**

SHEET 7 OF 21  
FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
APPROVED BY COMMISSION ON: UNDER SECTION 112 OF CHAPTER 25-5 OF AUSTIN CITY CODE. JONATHAN DAVILA  
EXPIRATION DATE(25-5-91, LDC): CASE MANAGER  
PROJECT EXPIRATION DATE(ORD.#970905-A) DWP DDZ

Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: ZONING: GR

REV. 1 CORRECTION 1  
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**CASE NO: SP-2018-0086C**

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**LANDSCAPE CALCULATIONS**

	REQUIRED	PROVIDED
TOTAL SITE AREA		69,706sf
STREET YARD		
Total Area	REQUIRED	PROVIDED
Landscaped Area	10,331sf (20%)	12,786sf (25%)
Trees	12	12
• Ex. 2" to 6"	0 X 1ea. = -- tree	
• Ex. 6" or greater 2 X 2ea. = 4 trees		
• 8 Proposed SY Trees + 4 Ex. = 12 Trees Provided		
•• (10 trees + 1 tree for every 2,500sf over 10,000sf)		

**EXISTING TREES**

TOTAL	KEPT	REMOVED	REQUIRED MITIGATION
Appendix F Trees			
• Heritage	28"	0"	-- (300%)
• 19"-Under 24"	0"	0"	0" (100%)
• 8" to 18.9"	69"	18"	25.5" (50%)
All Other Trees			
• 19" & greater	--"	--"	-- (50%)
• 8" to 18.9"	--"	--"	-- (25%)

**REPLACEMENT TREES**

Required caliper inches replaced = 25.5"

Number & Size of replacement tree total: 66" by proposed trees

- 22 trees @ 3" caliper = 66"
- Less Street Yard Tree Inches = 8 tree @ 1.5" caliper = (12)
- Less Parking Trees Inches = 6 trees @ 1.5" caliper = (9)
- Less Buffer Tree Inches = -- trees @ 1.5" caliper = --
- Total Provided = 45"

0" caliper inches of trees removed from this site are to be mitigated by payment of \$0 to the Urban Forest Replenishment Fund (i.e., private trees).

**ISLANDS, MEDIANS, OR PENINSULAS**

	REQUIRED	PROVIDED
• Street Yard (90sf per 12 stalls, 33 stalls)	247.5sf	1,745sf
• Non Street Yard (60sf per 12 stalls, 10 stalls)	50sf	89sf

**BUFFERING POINTS**

SIZE	QUANTITY	REQUIRED: 404	PROVIDED: 725
PREFERRED PTS.	OTHER PTS.		
Larger Trees	1-1.5" cal	3 ea.	1 ea.
	2-2.5" cal	6 ea.	2 ea.
	3-3.5" cal	9 ea.	3 ea.
Small Trees	1-1.5" cal	3 ea.	1 ea.
	2-2.5" cal	6 ea.	2 ea.
	3-3.5" cal	9 ea.	3 ea.
Large Shrubs	1gal	1 ea.	1/3 ea.
	5gal	3 ea.	1 ea.
Medium Shrubs	1gal	1 ea.	1/3 ea.
	5gal	3 ea.	1 ea.
Small Shrubs	1gal	3 ea.	1 ea.
	5gal	2 ea.	2/3 ea.

Decorative Wall (3' min height) --If X 3= -- pts  
 Berm (3' min. @ no greater than 4:1 slope) --If X 1= -- pts

**ALTERNATIVE COMPLIANCE - DEFICIENCIES**

• Trees within 75' of parking	-5 pts.
• Other:	
<b>Total Negative</b>	<b>-5 pts.</b>

**ALTERNATIVE COMPLIANCE - COMPENSATION**

• 50% Buffer increased above minimum	=10 pts.
<b>Total Compensation</b>	<b>+10 pts.</b>

**INNOVATIVE WATER MANAGEMENT**

Required Landscape Area = 10,331sf + 50sf = 10,381sf  
 50 Percent of Required Landscape Area = 5,190.5sf

	REQUIRED	PROVIDED
• Landscaping Receiving Stormwater Runoff	4,163sf	4,168sf
• Undisturbed Natural Areas	--sf	--sf
• Undisturbed Existing Trees	1,027.5sf	1,028sf
<b>Total</b>	<b>5,190.5sf</b>	<b>5,196sf</b>

**NOTES**

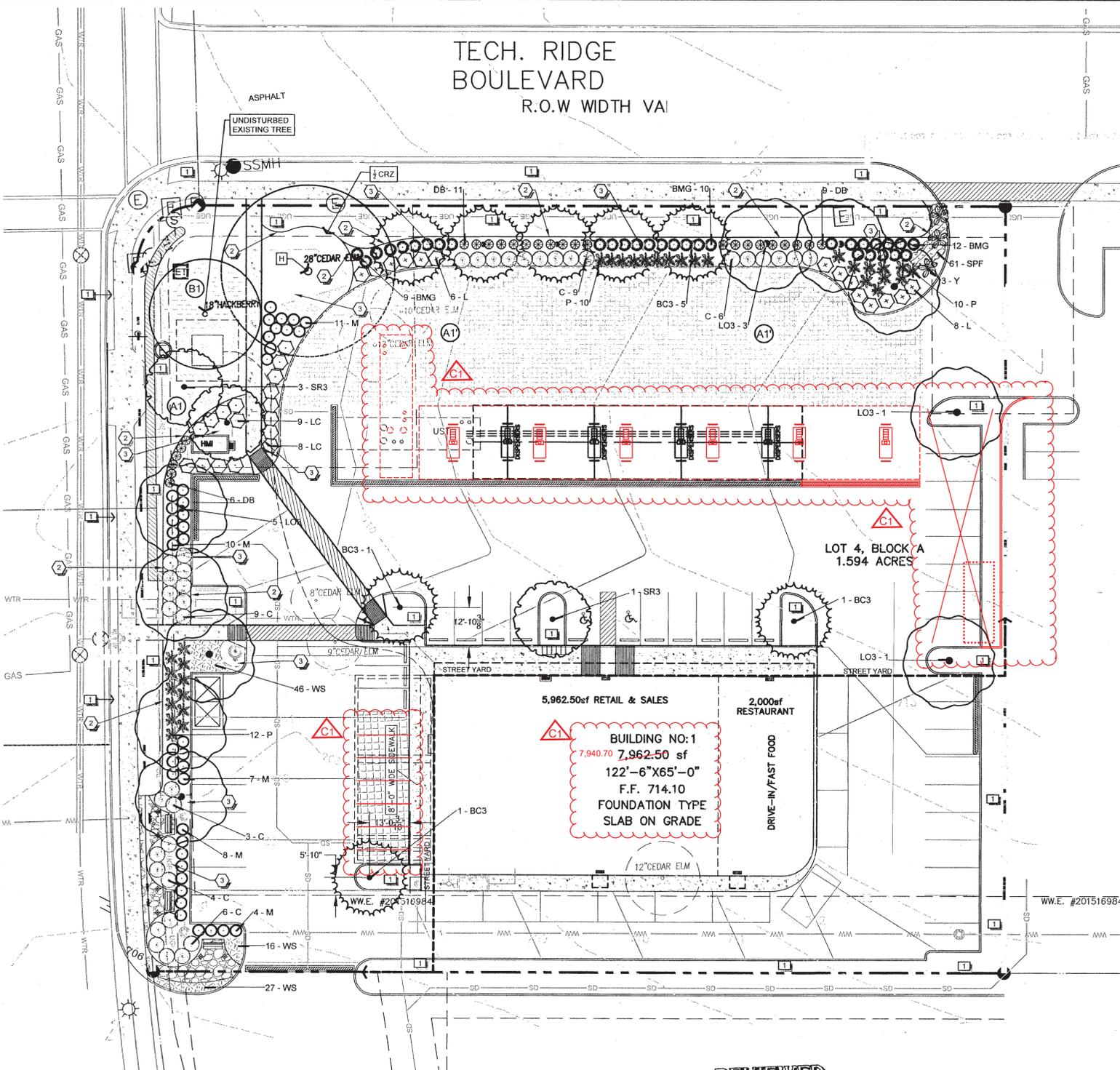
- If establishing vegetation during any stage of a drought, Section 6-4-30 may require a variance. Contact Austin Water Conservation staff at [waterusecompvar@austintexas.gov](mailto:waterusecompvar@austintexas.gov) or call (512) 974-2199.
- All landscaped areas are to be protected by 6 inch wheel curbs, wheelstops or other approved barriers as per ECM 2.4.7. [LDC 25-2-1004(A), ECM 2.4.7(A)]
- The Owner will continuously maintain the required landscaping in accordance with LDC Section 25-2-984.
- The Irrigation will comply with City Code Chapter 6-4, Article 2, Division 2 regarding the City's water conservation restrictions.
- This project meets the requirements of Chapter 25-2 Article 9 of the Land Development Code.
- Sprinklers are prohibited within 15 feet of transmission poles.
- Shrubbery shall not obstruct access to the base of the transmission structures. Climbing vegetation on electric facilities is prohibited.
- Compost and mulch are prohibited above the concrete foundation of the transmission poles.
- Provide mulch tree ring for all trees outside of beds. Install per detail #1 on specifications sheet. Provide bubbler. Mulch is in addition to quantities listed.
- Contractor is responsible for verifying all plant and material quantities.
- Irrigation sleeves shall be run to all landscaped areas prior to concrete pour.
- Drip irrigation in all beds, & spray irrigation in all lawn areas.

**INNOVATIVE WATER MANAGEMENT KEY**

- (A1) = Contributing Area: A1' Innovative Water Management Calculation
- (A1) = Landscape Area: A1 Innovative Water Management Calculation
- (B1) = Undisturbed Tree Area: B1 Innovative Water Management Calculation

**INNOVATIVE WATER MANAGEMENT TABLE**

DRAINAGE AREA DESIGNATION	DRAINAGE AREA (square feet)	LAND USE(S)	LANDSCAPE AREA (square feet)	DRAINAGE AREA TO LANDSCAPING RATIO
A1	7,662.69	drive aisle	2,610.90	2.9:1
B	N/A	Ex. Tree	1,028	N/A



**PLANT SCHEDULE**

TREES	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE	QTY
BC3	Bald Cypress	Taxodium distichum	-	3"Cal	6' H min	8
LO3	Live Oak	Quercus virginiana	-	3"Cal	6' H min	10
SR3	Shumard Red Oak	Quercus shumardii	-	3"Cal	6' H min	4
SHRUBS	COMMON NAME	BOTANICAL NAME	CONT	QTY		
BMG	Bamboo Muhly	Muhlenbergia dumosa	5 gal	31		
C	Cotoneaster, Bearberry	Cotoneaster dammeri 'Coral Beauty'	5 gal	37		
DB	Dwarf Burford Holly	Ilex cornuta 'Burfordii Nana'	5 gal	26		
L	Loropetalum, Plum Delight	Loropetalum chinense rubrum	5 gal	14		
LC	Compact Texas Ranger	Leucophyllum frutescens 'Compacta'	5 gal	17		
M	Maiden Grass	Miscanthus sinensis 'Gracillimus'	5 gal	40		
P	Dwarf Palmetto	Sabal minor	5 gal	32		
Y	Beaked Yucca, 'Blue Velvet'	Yucca rostrata 'Blue Velvet'	5 gal	3		
GROUND COVERS	COMMON NAME	BOTANICAL NAME	CONT	SPACING	QTY	
SPF	Silver Ponyfoot	Dichondra argentea	1 gal	18" o.c.	61	
WS	Webberville Sedge	Carex perdentata 'Webberville'	1 gal	18" o.c.	89	

-Available at Native Texas Nursery (512) 276-9801

**REFERENCE NOTES SCHEDULE**

- | SYMBOL | DESCRIPTION   |
|--------|---|
| 1      | Lawn, Bermuda "Latitude 36" Sod, provide 2" of topsoil tilled into existing. Top of lawn 1" below top of adjacent concrete/hardscape. Flatten sod with lawn roller. Provide spray irrigation. Temporary irrigation only within septic fields or Right of Way (R.O.W.). Pre emergent weed treatment recommended. |
| 2      | Steel edge, 3/16" x 4" landscape edging as manufactured by Ryerson, or equal, dark green and furnished with steel stakes. Install edging in smooth curves free of kinks. Final height of edging to be 1" above height of soil mat of sod.   |
| 3      | Mulch, Native Hardwood, 3" deep with 6" of "Growers Mix" soil (40% compost, 40% loam, 10% sand) tilled into existing soil in all areas of the bed. Drip irrigation. Ensure that drip line is placed above rootballs.  |

**TREE LIST**

CALIPER   SPECIES   STATUS
28" Cedar Elm(H) (Kept)
18" Hackberry (Kept)
10" Cedar Elm (Removed)
12" Cedar Elm (Removed)
8" Cedar Elm (Removed)
9" Cedar Elm (Removed)
12" Cedar Elm (Removed)

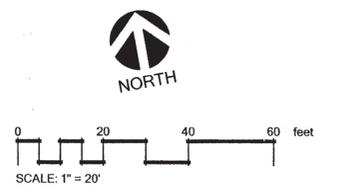
H=Heritage Tree

**TREE SUMMARY**

- Total Appendix F tree inches surveyed = 97"
- Total Appendix F tree inches removed = 51"
- Total Non-Appendix F tree inches removed = 0"
- Total Mitigation Inches Planted On Site = 24"
- Total Dead Inches removed = 0
- Total non-mitigation inches planted on site = 43.5

**REVIEWED**  
 APR 24 2019  
 Austin Water Utility

See Replacement Sheet  
**REVIEWED**  
 February 02, 2021  
 Austin Water Utility  
 No changes to AW assets



**SITE PLAN APPROVAL** SHEET 17 OF 00

FILE NUMBER SP-2018-0086C APPLICATION DATE 02/23/2018

APPROVED BY COMMISSION ON 7-31-19 UNDER SECTION 112 OF CHAPTER 25 OF THE CITY OF AUSTIN CODE.

EXPIRATION DATE (25-5-81, LDC) 7-31-22 CASE MANAGER DAVILA

PROJECT EXPIRATION DATE (ORD#20905-A) DWPZ DOZ

Director, Development Services Department  
 RELEASED FOR GENERAL COMPLIANCE ZONING

REV.	CORRECTION 1	CORRECTION 2	CORRECTION 3
REV. 1			
REV. 2			
REV. 3			

Final Plot 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).

Date	Description
07/26/18	01/26/18
01/26/18	01/26/18
03/26/18	03/26/18

Rev Description

William S. Blair  
 (512) 589-7873  
 will@blairLA.com  
 www.BlairLA.com  
 PO Box 82514  
 Austin, TX 78708

Company Name and Address

**BLAIR LANDSCAPE ARCHITECTURE, LLC**  
 QUALITY. INTEGRITY. RELIABILITY.

**BLA**

William S. Blair  
 March 5, 2019

Project Name and Address

**Tech Ridge Gas Station**  
 Tech Ridge Boulevard  
 Austin, Texas

12413

Sheet Title

**Landscape Plan**

Design By: Will Blair  
 Issue Date: 02/07/2018  
 Project Number: 1804-LP

17 OF 21



B-6  
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**LANDSCAPE CALCULATIONS**

	REQUIRED	PROVIDED
TOTAL SITE AREA		69,706sf
STREET YARD		
Total Area	REQUIRED	PROVIDED
Landscaped Area	10,331sf (20%)	12,786sf (25%)
Trees	12	12
• Ex. 2" to 6"	0 X 1ea. = -- tree	
• Ex. 6" or greater 2 X 2ea. = 4 trees		
• 8 Proposed SY Trees + 4 Ex. = 12 Trees Provided		
•• (10 trees + 1 tree for every 2,500sf over 10,000sf)		

EXISTING TREES	TOTAL	KEPT	REMOVED	REQUIRED MITIGATION
Appendix F Trees				
• Heritage	28"	28"	0"	-- (300%)
• 19"-Under 24"	0"	0"	0"	0" (100%)
• 8" to 18.9"	69"	18"	51"	25.5" (50%)
All Other Trees				
• 19" & greater	--"	--"	--"	-- (50%)
• 8" to 18.9"	--"	--"	--"	-- (25%)

TOTAL: 25.5" of Mitigation

REPLACEMENT TREES  
 Required caliper inches replaced = 25.5"  
 Number & Size of replacement tree total:  
 66" by proposed trees  
 • 22 trees @ 3" caliper = 66"  
 Less Street Yard Tree Inches  
 • 8 tree @ 1.5" caliper = (12)  
 Less Parking Trees Inches  
 • 6 trees @ 1.5" caliper = (9)  
 Less Buffer Tree Inches  
 • -- trees @ 1.5" caliper = --  
 Total Provided = 45"

0" caliper inches of trees removed from this site are to be mitigated by payment of \$0 to the Urban Forest Replenishment Fund (i.e., private trees).

ISLANDS, MEDIANS, OR PENINSULAS	REQUIRED	PROVIDED
• Street Yard (90sf per 12 stalls, 33 stalls)	247.5sf	1,745sf
• Non Street Yard (60sf per 12 stalls, 10 stalls)	50sf	89sf

BUFFERING POINTS	REQUIRED: 404	PROVIDED: 725
SIZE	PREFERRED PTS.	OTHER PTS.
Larger Trees		
1-1.5" cal	3 ea.	1 ea.
2-2.5" cal	6 ea.	2 ea.
3-3.5" cal	9 ea.	3 ea.
Small Trees		
1-1.5" cal	3 ea.	1 ea.
2-2.5" cal	6 ea.	2 ea.
3-3.5" cal	9 ea.	3 ea.
Large Shrubs		
1gal	1 ea.	1/3 ea.
5gal	3 ea.	1 ea.
Medium Shrubs		
1gal	1 ea.	1/3 ea.
5gal	3 ea.	1 ea.
Small Shrubs		
1gal	3 ea.	1 ea.
5gal	5 ea.	1/6 ea.
Decorative Wall (3' min height)	--If X 3=	-- pts
Berm (3' min. @ no greater than 4:1 slope)	--If X 1=	-- pts

ALTERNATIVE COMPLIANCE - DEFICIENCIES

• Trees within 75' of parking	-5 pts.
• Other:	
Total Negative	-5 pts.

ALTERNATIVE COMPLIANCE - COMPENSATION

• 50% Buffer increased above minimum	=10 pts.
Total Compensation	+10 pts.

INNOVATIVE WATER MANAGEMENT

Required Landscape Area = 10,331sf + 50sf = 10,381sf  
 50 Percent of Required Landscape Area = 5,190.5sf

	REQUIRED	PROVIDED
• Landscaping Receiving Stormwater Runoff	4,163sf	4,168sf
• Undisturbed Natural Areas	--sf	--sf
• Undisturbed Existing Trees	1,027.5sf	1,028sf
Total	5,190.5sf	5,196sf

**NOTES**

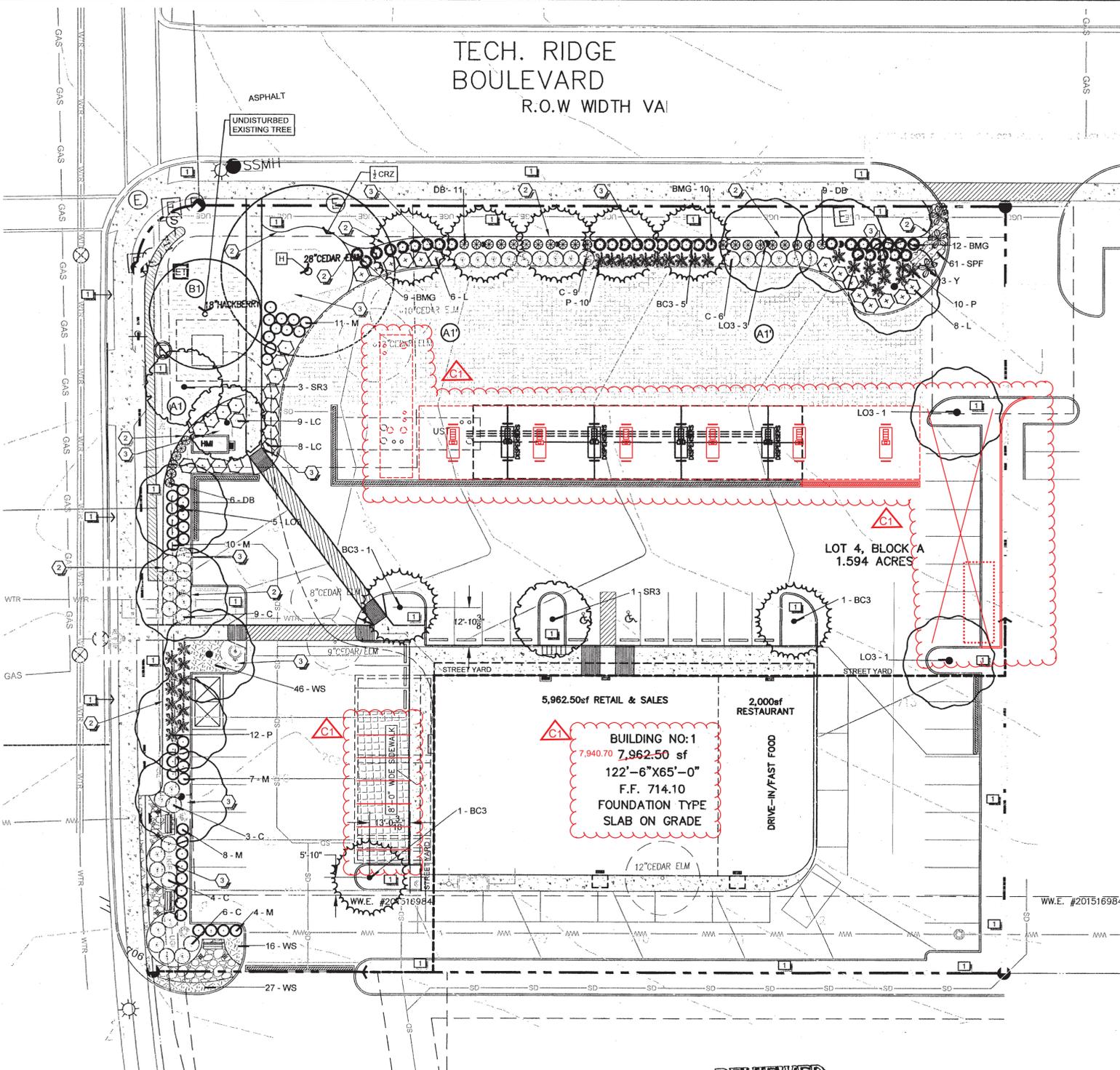
- If establishing vegetation during any stage of a drought, Section 6-4-30 may require a variance. Contact Austin Water Conservation staff at [waterusecompvar@austintexas.gov](mailto:waterusecompvar@austintexas.gov) or call (512) 974-2199.
- All landscaped areas are to be protected by 6 inch wheel curbs, wheelstops or other approved barriers as per ECM 2.4.7. [LDC 25-2-1004(A), ECM 2.4.7(A)]
- The Owner will continuously maintain the required landscaping in accordance with LDC Section 25-2-984.
- The Irrigation will comply with City Code Chapter 6-4, Article 2, Division 2 regarding the City's water conservation restrictions.
- This project meets the requirements of Chapter 25-2 Article 9 of the Land Development Code.
- Sprinklers are prohibited within 15 feet of transmission poles.
- Shrubbery shall not obstruct access to the base of the transmission structures. Climbing vegetation on electric facilities is prohibited.
- Compost and mulch are prohibited above the concrete foundation of the transmission poles.
- Provide mulch tree ring for all trees outside of beds. Install per detail #1 on specifications sheet. Provide bubbler. Mulch is in addition to quantities listed.
- Contractor is responsible for verifying all plant and material quantities.
- Irrigation sleeves shall be run to all landscaped areas prior to concrete pour.
- Drip irrigation in all beds, & spray irrigation in all lawn areas.

**INNOVATIVE WATER MANAGEMENT KEY**

- (A1) = Contributing Area: A1' Innovative Water Management Calculation
- (A1) = Landscape Area: A1 Innovative Water Management Calculation
- (B1) = Undisturbed Tree Area: B1 Innovative Water Management Calculation

**INNOVATIVE WATER MANAGEMENT TABLE**

DRAINAGE AREA DESIGNATION	DRAINAGE AREA (square feet)	LAND USE(S)	LANDSCAPE AREA (square feet)	DRAINAGE AREA TO LANDSCAPING RATIO
A1	7,662.69	drive aisle	2,610.90	2.9:1
B	N/A	Ex. Tree	1,028	N/A



**PLANT SCHEDULE**

TREES	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE	QTY
BC3	Bald Cypress	Taxodium distichum	-	3"Cal	6' H min	8
LO3	Live Oak	Quercus virginiana	-	3"Cal	6' H min	10
SR3	Shumard Red Oak	Quercus shumardii	-	3"Cal	6' H min	4
SHRUBS	COMMON NAME	BOTANICAL NAME	CONT	QTY		
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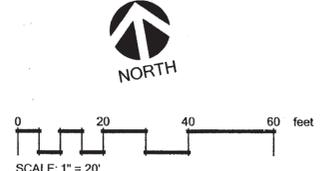
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REVIEWED  
 APR 24 2019  
 Austin Water Utility

Replacement Sheet  
 REVIEWED  
 February 02, 2021  
 Austin Water Utility  
 No changes to AW assets



SITE PLAN APPROVAL SHEET 17 OF 00

FILE NUMBER SP-2018-0086C APPLICATION DATE 02/23/2018

APPROVED BY COMMISSION ON 7-31-19 UNDER SECTION 112 OF CHAPTER 25 OF THE CITY OF AUSTIN CODE.

EXPIRATION DATE (25-5-81, LDC) 7-31-22 CASE MANAGER DAVILA

PROJECT EXPIRATION DATE (ORD#20905-A) DWPZ DOZ

Director, Development Services Department  
 RELEASED FOR GENERAL COMPLIANCE ZONING

REV. 1 CORRECTION 1  
 REV. 2 CORRECTION 2  
 REV. 3 CORRECTION 3

Final Plot 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).

Date	Description
07/28/2018	Site Plan Approval / City Commission
01/24/19	Site Plan Approval / City Commission
02/23/18	Site Plan Approval / City Commission

Rev. \_\_\_\_\_ Consultant Seal

Company Name and Address  
 William S. Blair  
 (512) 589-7873  
 Will@BlairLA.com  
 www.BlairLA.com  
 PO Box 82514  
 Austin, TX 78708

**BLAIR LANDSCAPE ARCHITECTURE, LLC**  
 QUALITY. INTEGRITY. RELIABILITY.

**BLA**

William S. Blair  
 March 5, 2019

Project Name and Address  
 Tech Ridge Gas Station  
 Tech Ridge Boulevard  
 Austin, Texas  
 12413

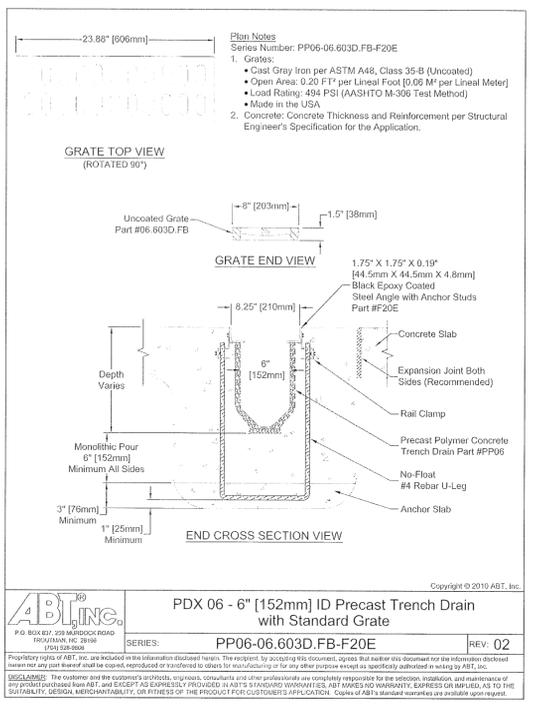
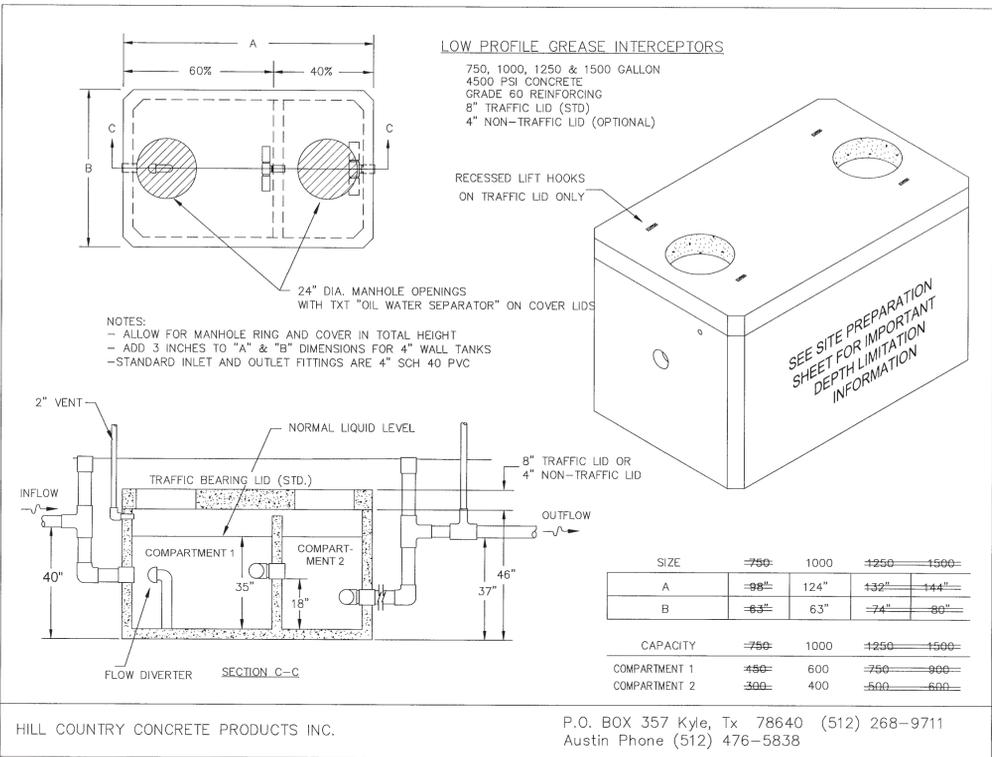
Sheet Title  
**Landscape Plan**

Design By: Will Blair  
 Issue Date: 02/07/2018  
 Project Number: 1804-LP

17 OF 21



Know what's below.  
 Call before you dig.



**OIL/GREASE TRAP DESIGN**  
 Professional Structural Engineers, Inc.  
 VERSION 1.01  
 City of Austin Guidelines

PROJECT: TECH RIDGE GAS STATION

**DRAINAGE AREA DATA**

Drainage Area to Control  $A_d := 3672.63 \text{ ft}^2$

Drainage Area Impervious Cover  $A_{di} := 3672.63 \text{ ft}^2$

Runoff Coefficient  
 6 month event  $C_{0.6} := 0.72$   
 25 year event  $C_{25} := 0.93$

Rainfall Intensity  
 6 month event  $I_{0.6} := .68 \cdot \text{in} \cdot \text{hr}^{-1}$   
 25 year event  $I_{25} := 9.84 \cdot \text{in} \cdot \text{hr}^{-1}$

Flow Rate  
 6 month event  $Q_{0.6} := C_{0.6} \cdot I_{0.6} \cdot A_d = 0.042 \text{ ft}^3 \cdot \text{sec}^{-1}$   
 26 year event  $Q_{25} := C_{25} \cdot I_{25} \cdot A_d = 0.778 \text{ ft}^3 \cdot \text{sec}^{-1}$

**OIL/GREASE/SAND TRAP DATA & CALCULATIONS**

Surface Area  $A_{\text{surface}} := 2.5 \cdot \frac{A_d}{1000} = 9.18 \text{ ft}^2$

Cross Sectional Area  $A_{\text{cross}} := 1.5 \cdot \frac{A_d}{1000} = 5.51 \text{ ft}^2$

Depth  $D_{\text{min}} := 3.0 \text{ ft}$

Width  $W_{\text{width}} := D_{\text{min}} = 3 \text{ ft}$

Length  $L_{\text{length}} := 1.5 \cdot W_{\text{width}} = 4.5 \text{ ft}$

Use 1000 Gallons HMI Surface Area  $A_{\text{HMI}} := 44.30 \cdot \text{ft}^2$

Cross Sectional Area  $A_{\text{cp}} := 13.75 \cdot \text{ft}^2$

Depth provided 3.0 ft

Width provided 4.58 ft

Length provided  $L_{\text{length}} := 9.66 \cdot \text{ft}$

**L-PIPE DATA**

Pipe Diameter  $P_d := 4 \text{ in}$

Grate Inlet Elevation  $H_{\text{inlet}} := 710.88 \text{ ft}$

6 months velocity through trap  $V_{0.6} := \frac{Q_{0.6}}{A_{\text{cp}}} = 0.182 \frac{\text{ft}}{\text{min}}$  Less than 3 fpm

4" Pipe Velocity  $V_{0.6} := \frac{Q_{0.6}}{A_{\text{pipe}}} = 0.48 \frac{\text{ft}}{\text{s}}$   $H_o := H_{\text{inlet}} - 3.0 \text{ ft} = 707.88 \text{ ft}$

$H_{0.6} := 2.9 \cdot \frac{V_{0.6}^2}{2 \cdot g} + H_o - \frac{V_{0.6}^2}{2 \cdot g} = 707.89 \text{ ft}$

Outlet Elevation  $H_o := 707.88 \text{ ft}$

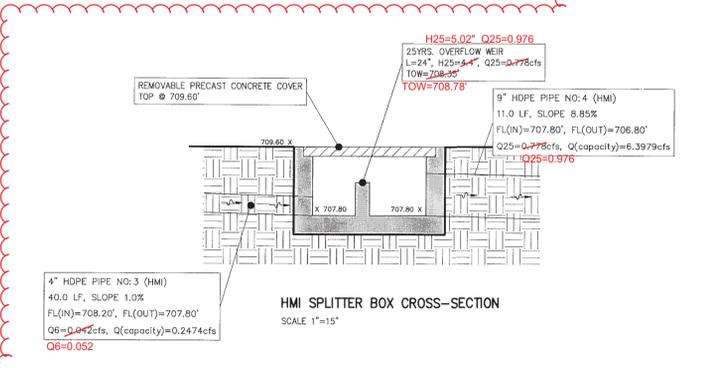
25yrs. WSEL Elevation  $H_{25} := H_o + 1.5 \cdot \text{ft} = 709.38 \text{ ft}$

6 month Elevation  $H_{0.6} := 707.89 \text{ ft}$

6 month Velocity  $V_{0.6} := 0.182 \frac{\text{ft}}{\text{min}}$  (should be less than 3-fpm)

HMI MAINTENANCE PLAN NOTES:

- THE TRAPPED LIQUID AND SEDIMENT SHALL BE REMOVED AT LEAST ONCE PER YEAR. THE SEDIMENT LEVEL SHALL BE CHECKED EVERY SIX MONTHS. IF THE SEDIMENT LEVEL EXCEEDS ONE-FOURTH THE DEPTH OF THE TRAP, THEN THE LIQUID AND SEDIMENT SHALL BE REMOVED. THE OUTLET SHOULD BE CHECKED AND CLEANED WITH EACH CLEANING OF THE TRAP.
- THE INLET SCREEN SHOULD BE CLEANED AFTER EVERY STORM. CLEANING OF THE SCREEN SHALL OCCUR MONTHLY AT A MINIMUM. DEBRIS FROM THE SCREEN SHALL BE PROPERLY DISPOSED OF WITH THE OTHER SOLID WASTE FROM THE FACILITY. THE DEBRIS FROM THE SCREEN SHALL NOT BE DISPOSED OF IN THE TRAP.
- QUARTERLY INSPECTION TO ENSURE PROPER FLOW OF THE OUTLET IS REQUIRED. THIS CAN BE ACCOMPLISHED BY INSPECTING THE INLET DURING AND JUST AFTER A SMALL STORM. IF THE OUTLET IS CLOGGED, THE WATER SURFACE WILL STAY AT OR NEAR THE BY-PASS WEIR AND WILL NOT REcede DOWN TO THE NORMAL WATER SURFACE. IF CLOGGING IS APPARENT, THEN THE OUTLET SHALL BE CLEANED OUT.
- IF A SPILL OCCURS THAT FLOWS INTO THE TRAP, THE SPILLED LIQUID SHOULD BE REMOVED AS SOON AS POSSIBLE, AND NO LATER THAN 18 HOURS AFTER THE SPILL OCCURRED.



**OVER FLOW WEIR DATA**

Length of Weir  $W_{\text{weir}} := 24 \cdot \text{in}$

$V_{0.25} := \left( 3.12 \cdot \frac{(H_{25} - H_o)}{2.9} \cdot \text{ft} \cdot \text{sec}^{-1} + 2 \cdot \left( \frac{g}{2.9} \right) (H_{25} - H_o) \right)^{0.5} = 6.18 \frac{\text{ft}}{\text{s}}$

$V_{0.25} := V_{0.25} \cdot \frac{A_{\text{pipe}}}{A_{\text{cp}}} = 2.354 \frac{\text{ft}}{\text{min}}$

25 yrs. WSEL  $H_{25} = 709.38 \text{ ft}$

25yrs. Velocity through trap  $V_{0.25} = 2.354 \frac{\text{ft}}{\text{min}}$  (should be less than 4 fpm)

**METAL GRATE 06.603D.FB PolyDrain, 6" wide BY ABT, Inc.**

Grate Length  $L_{\text{grate}} := 176.0 \text{ ft}$

Grate Perimeter  $P_{\text{grate}} := 2.0 \cdot \text{ft}$

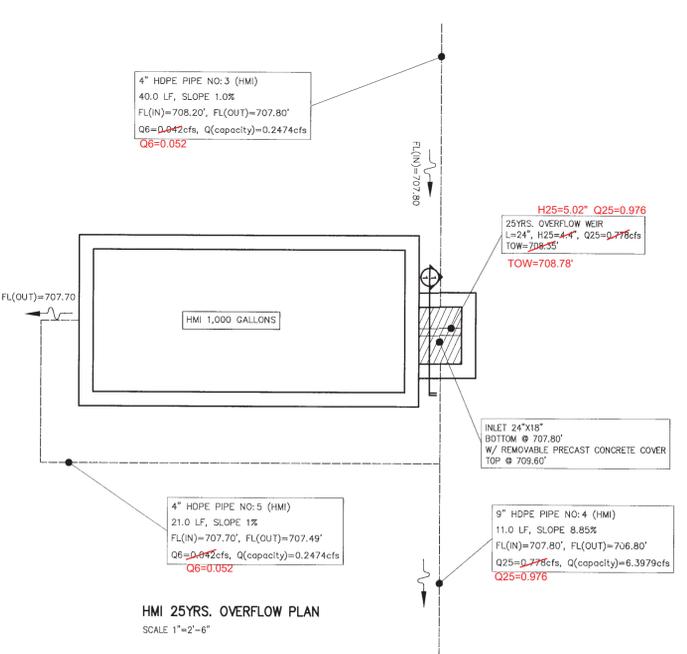
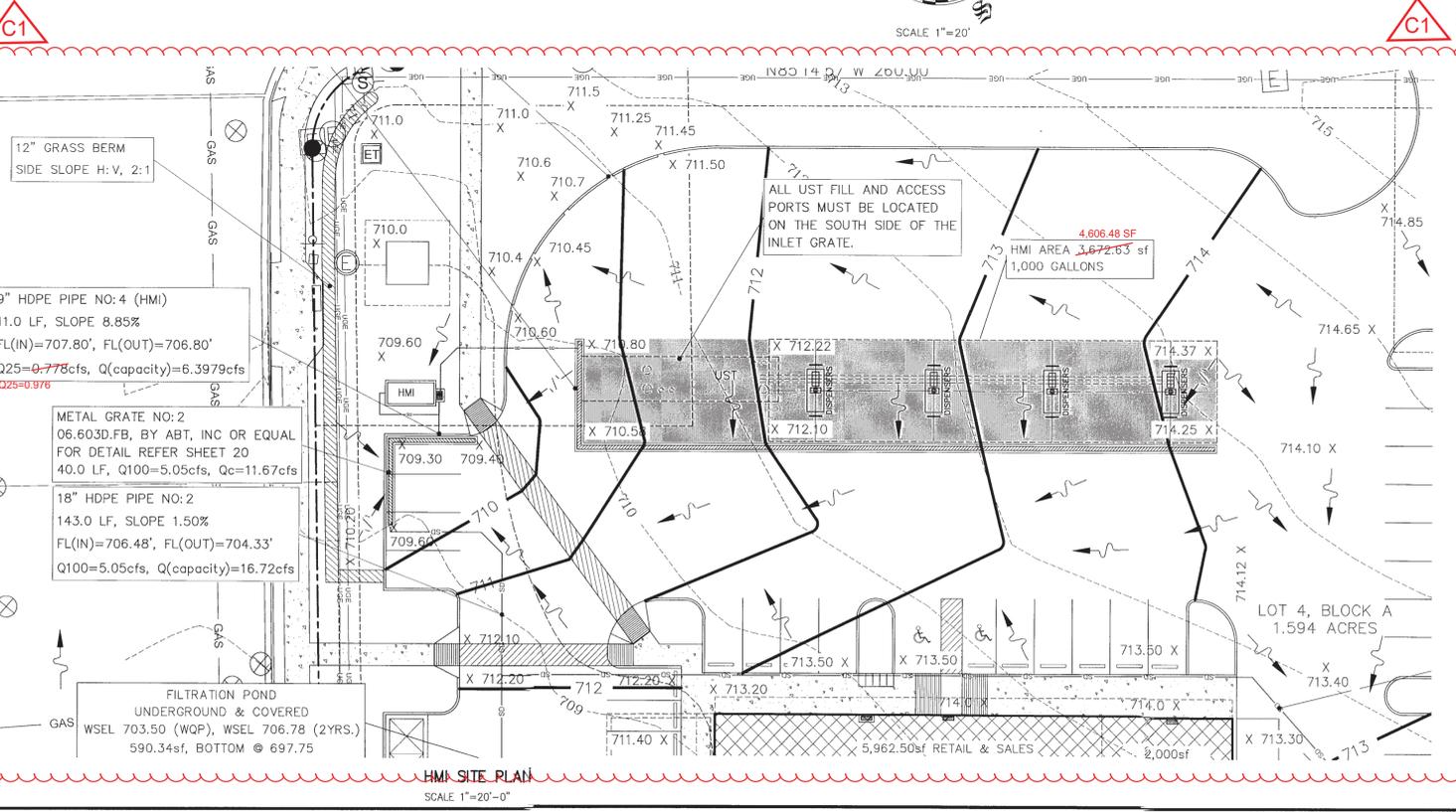
Grate Area  $A_{\text{grate}} := 0.29 \cdot \text{ft}^2$

Grate Head  $H_{\text{grate}} := 7 \cdot \text{in}$

Weir Flow Calculations  
 $Q_{\text{weir}} := 3.3 \cdot P_{\text{grate}} \cdot H_{\text{grate}}^{1.5} \cdot \text{ft}^2 \cdot \text{sec}^{-1} = 0.103 \text{ ft}^3 \cdot \text{sec}^{-1}$

Orifice Flow Calculations  
 $Q_{\text{orifice}} := 0.6 \cdot A_{\text{grate}} \cdot \sqrt{2 \cdot g \cdot H_{\text{grate}}} = 0.241 \text{ ft}^3 \cdot \text{sec}^{-1}$

Channel Capacity  
 PolyDrain Channel without PolyWalls Depth=9"  $Q_c = 1.5 \text{ cfs}$   
 PolyDrain Channel with PolyWall-I Depth=12"  $Q_c = 2.54 \text{ cfs}$   
 PolyDrain Channel with PolyWall-II Depth=15"  $Q_c = 3.26 \text{ cfs}$



SITE PLAN APPROVAL SHEET 19 OF 21  
 FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
 APPROVED BY: [Signature] UNDER SECTION 112 OF CHAPTER 25-5 OF AUSTIN CITY CODE.  
 EXPIRATION DATE(25-5-81, LDC): 2-31-22 CASE MANAGER: JONATHAN DAVILA  
 PROJECT EXPIRATION DATE(ORD.#970905-A) DWP: DDZ

Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: ZONING: GR

REV. 1 CORRECTION 1  
 REV. 2 CORRECTION 2  
 REV. 3 CORRECTION 3

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.

CASE NO: SP-2018-0086C

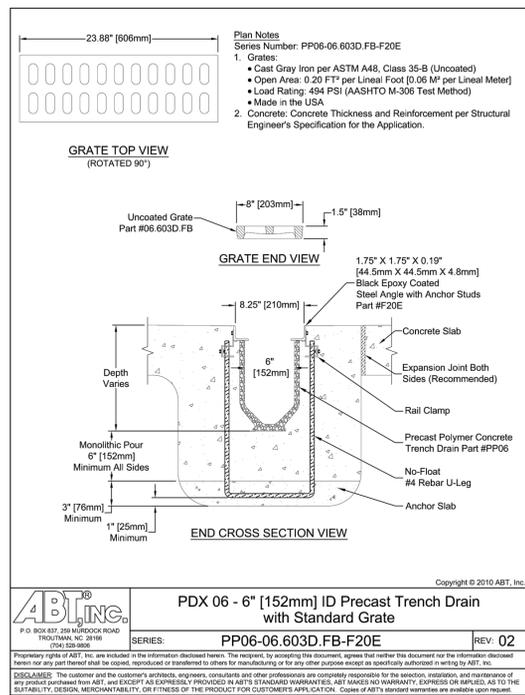
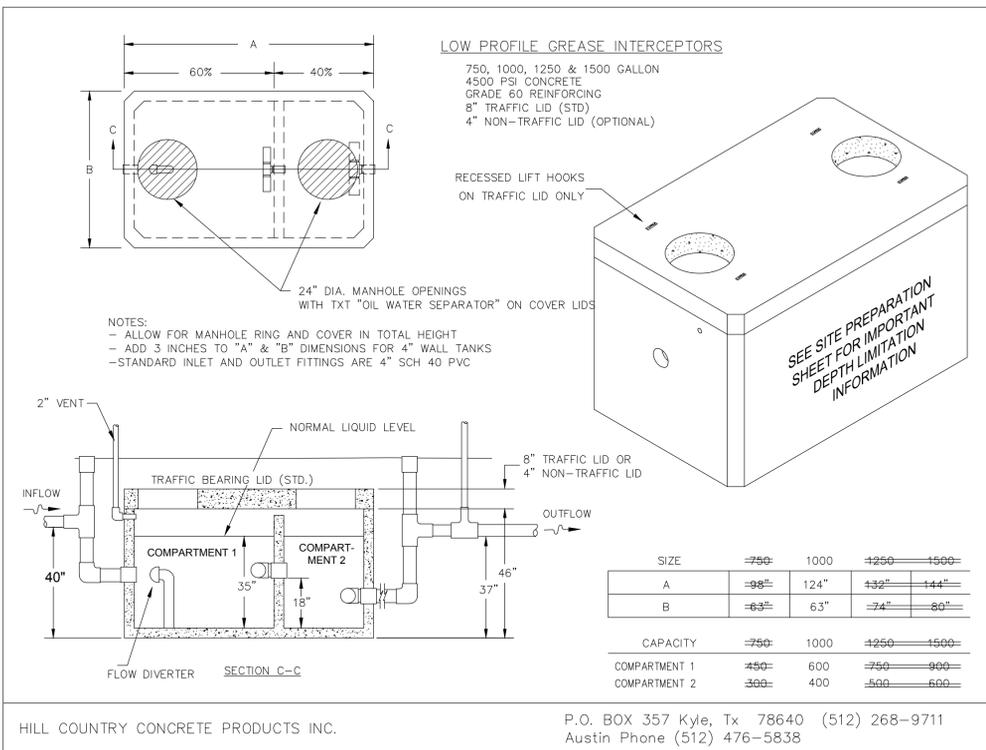
Professional Structural Engineers, Inc. CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
 12710 RESEARCH BLVD., SUITE 300, AUSTIN, TX 78759 | TEL: 512.238.6622 | FAX: 512.238.8605

Project: TECH RIDGE GAS STATION  
 12407 TECH RIDGE BLVD.  
 AUSTIN, TEXAS 78753

Title: HMI DESIGN & CALCULATIONS

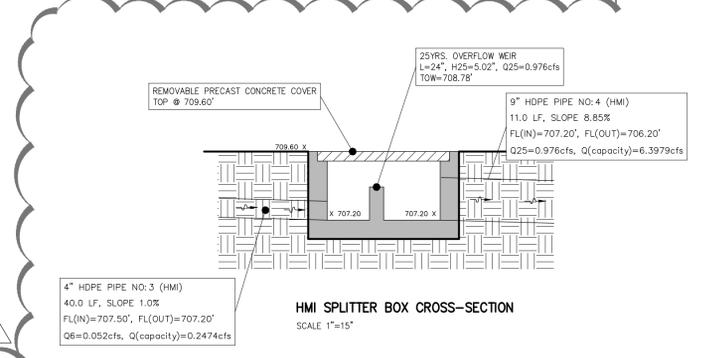
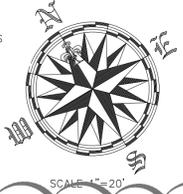
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20 OF 21



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- THE TRAPPED LIQUID AND SEDIMENT SHALL BE REMOVED AT LEAST ONCE PER YEAR. THE SEDIMENT LEVEL SHALL BE CHECKED EVERY SIX MONTHS. IF THE SEDIMENT LEVEL EXCEEDS ONE-FOURTH THE DEPTH OF THE TRAP, THEN THE LIQUID AND SEDIMENT SHALL BE REMOVED. THE OUTLET SHOULD BE CHECKED AND CLEANED WITH EACH CLEANING OF THE TRAP.
- THE INLET SCREEN SHOULD BE CLEANED AFTER EVERY STORM. CLEANING OF THE SCREEN SHALL OCCUR MONTHLY AT A MINIMUM. DEBRIS FROM THE SCREEN SHALL BE PROPERLY DISPOSED OF WITH THE OTHER SOLID WASTE FROM THE FACILITY. THE DEBRIS FROM THE SCREEN SHALL NOT BE DISPOSED OF IN THE TRAP.
- QUARTERLY INSPECTION TO ENSURE PROPER FLOW OF THE OUTLET IS REQUIRED. THIS CAN BE ACCOMPLISHED BY INSPECTING THE INLET DURING AND JUST AFTER A SMALL STORM. IF THE OUTLET IS CLOGGED, THE WATER SURFACE WILL STAY AT OR NEAR THE BY-PASS WEIR AND WILL NOT REcede DOWN TO THE NORMAL WATER SURFACE. IF CLOGGING IS APPARENT, THEN THE OUTLET SHALL BE CLEANED OUT.
- IF A SPILL OCCURS THAT FLOWS INTO THE TRAP, THE SPILLED LIQUID SHOULD BE REMOVED AS SOON AS POSSIBLE, AND NO LATER THAN 18 HOURS AFTER THE SPILL OCCURRED.



**OVER FLOW WEIR DATA**

Length of Weir  $W_{weir} = 24 \cdot in$

$$V_{25} = \left( (3.1^2) \frac{(H_{25} - H_{w})}{2.9} \cdot ft \cdot sec^{-2} + 2 \cdot \left( \frac{g}{2.9} \right) (H_{25} - H_{w}) \right)^{0.5} = 6.18 \frac{ft}{s}$$

$$V_{25} = V_{25} \cdot \frac{A_{pipe}}{A_{cp}} = 2.354 \frac{ft}{min}$$

25 yrs. WSEL  $H_{25} = 709.08 \text{ ft}$

25yrs. Velocity through trap  $V_{25} = 2.354 \frac{ft}{min}$  (should be less than 4 fpm)

**METAL GRATE 06.603D.FB PolyDrain, 6" wide BY ABT, Inc.**

Grate Length  $L_{grate} = 214 \cdot ft$   
 Grate Perimeter  $P_{grate} = 2.0 \cdot ft$   
 Grate Area  $A_{grate} = 0.20 \cdot ft^2$   
 Grate Head  $H_{grate} = .75 \cdot in$

**Weir Flow Calculations**

$$Q_{weir} = 3.3 \cdot P_{grate} \cdot H_{grate}^{1.5} \cdot ft^3 \cdot sec^{-1} = 0.103 \text{ ft}^3 \cdot sec^{-1}$$

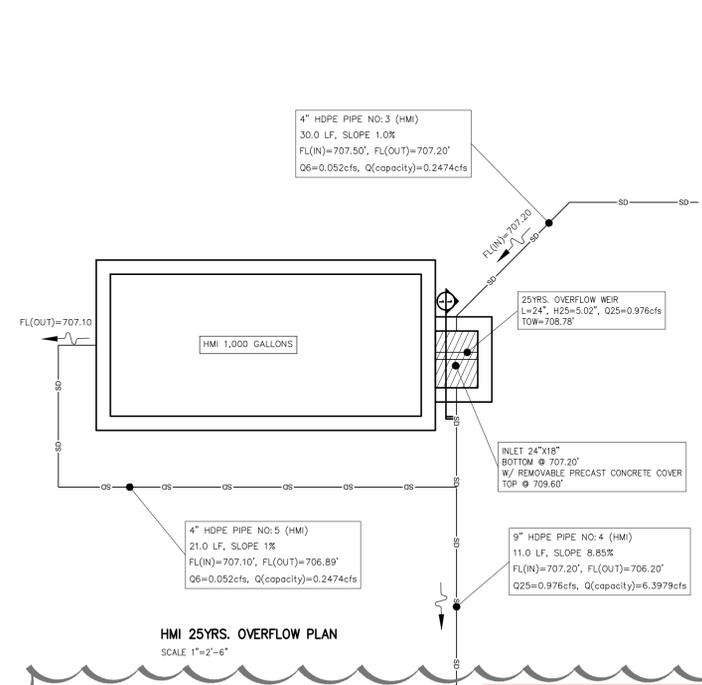
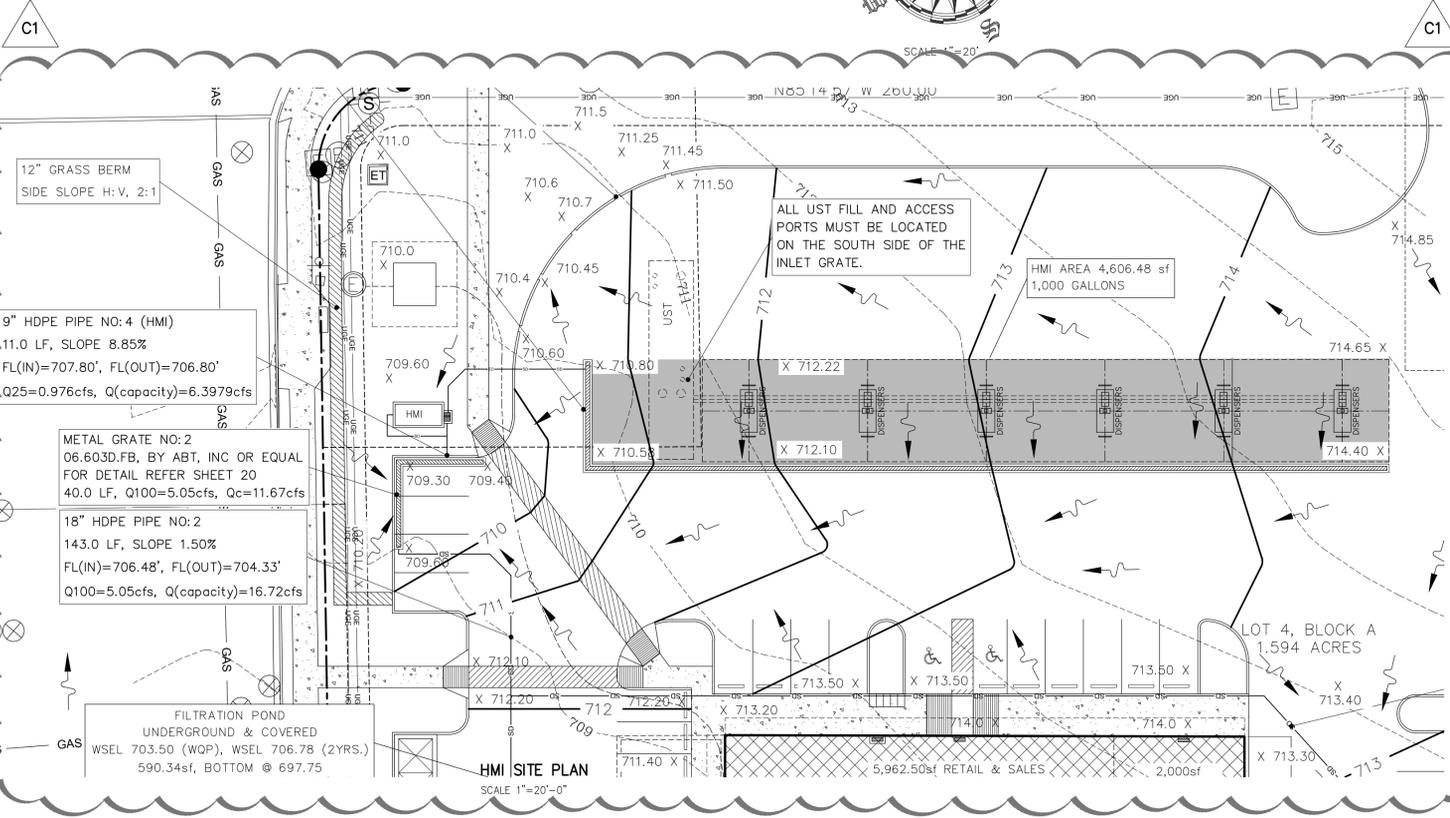
**Orifice Flow Calculations**

$$Q_{orifice} = 0.6 \cdot A_{grate} \cdot \sqrt{2 \cdot g \cdot H_{grate}} = 0.241 \text{ ft}^3 \cdot sec^{-1}$$

$$Q_{grate} = Q_{weir} \cdot L_{grate} \cdot ft^{-1} = 22.07 \text{ ft}^3 \cdot sec^{-1}$$

**Channel Capacity**

PolyDrain Channel without PolyWalls	Depth=9"	Qc=1.5cfs
PolyDrain Channel with PolyWall-I	Depth=12"	Qc=2.54cfs
PolyDrain Channel with PolyWall-II	Depth=15"	Qc=3.26cfs



CORRECTION NO:1 01/08/2021  
 REPLACEMENT SHEET C1

CASE NO: SP-2018-0086C

SITE PLAN APPROVAL SHEET 19 OF 21  
 FILE NUMBER: SP-2018-0086C APPLICATION DATE: 02/23/2018  
 APPROVED BY COMMISSION ON: UNDER SECTION 112 OF CHAPTER 255 OF AUSTIN CITY CODE. JONATHAN DAVLA  
 EXPIRATION DATE(25-5-81, LDC): CASE MANAGER  
 PROJECT EXPIRATION DATE(ORD.#970905-A) DWP DDZ

Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: ZONING: GR  
 REV. 1 CORRECTION 1  
 REV. 2 CORRECTION 2  
 REV. 3 CORRECTION 3

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.

PROFESSIONAL STRUCTURAL ENGINEERS, INC. CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
 12710 RESEARCH BLVD., SUITE 300, AUSTIN, TX 78759 | TEL: 512.238.6422 | FAX: 512.238.8095

Project: TECH RIDGE GAS STATION  
 12401 TECH RIDGE BLVD.  
 AUSTIN, TEXAS 78753

Title: HMI DESIGN & CALCULATIONS

30204

SHEET 20 OF 21

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MIRZA TAHR BAIG, P.E., #25777 ON 01/08/2021 FIRM REGISTRATION F-4951