



## ENVIRONMENTAL COMMISSION MOTION 20211103 002a

**Date:** November 3, 2021

**Subject:** Park 183 Buildings 6 & 7 (SP-2021-0072C)

**Motion by:** Kevin Ramberg

**Seconded by:** Perry Bedford

### **RATIONALE:**

**WHEREAS**, the Environmental Commission recognizes the applicant is requesting a variance from 25-8-342 to allow fill over four feet to seventeen feet, and

**WHEREAS**, the Environmental Commission recognizes that staff recommends these variances (with one condition) having determined the required Findings of Fact have been met.

**THEREFORE**, the Environmental Commission recommends the variance request with the following Staff Conditions:

1. Applicant will provide structural containment of fill with retaining walls.

### **VOTE 8-0**

For: Bedford, Qureshi, Scott, Barrett Bixler, Bristol, Ramberg, Guerrero, and Brimer

Against: None

Abstain: None

Recuse: None

Absent: Thompson

Approved By:

A handwritten signature in black ink that reads 'Linda Guerrero'. The signature is written in a cursive, flowing style.

Linda Guerrero, Environmental Commission Chair

**ITEM FOR ENVIRONMENTAL COMMISSION AGENDA**

<b>COMMISSION MEETING DATE:</b>	11/03/2021
<b>NAME &amp; NUMBER OF PROJECT:</b>	Park 183 Buildings 6 & 7 (SP-2021-0072C)
<b>NAME OF APPLICANT OR ORGANIZATION:</b>	Nick Brown, P.E., LDC
<b>LOCATION:</b>	4800 Distribution Drive & 7900 Industry Way
<b>COUNCIL DISTRICT:</b>	District 2
<b>ENVIRONMENTAL REVIEW STAFF:</b>	Tunde Daramola, Environmental Review Specialist Senior, DSD, 512-974-6316, Babatunde.Daramola@austintexas.gov
<b>WATERSHED:</b>	Onion Creek Watershed, Suburban, Desired Development Zone
<b>REQUEST:</b>	Variance request is as follows: Request to vary from LDC 25-8-342 to allow fill over 4 feet up to 17 feet
<b>STAFF RECOMMENDATION:</b>	Staff recommends this variance, having determined the findings of fact to have been met.
<b>STAFF CONDITION:</b>	Provide structural containment of fill with retaining walls.



Development Services Department  
Staff Recommendations Concerning Required Findings

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Project Name:	Park 183 Buildings 6 & 7
Ordinance Standard:	Watershed Protection Ordinance / Comprehensive Watershed Ordinance / Other
Variance Request:	<b>To allow for fill exceeding 4ft for building construction</b>

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Include an explanation with each applicable finding of fact.

A. Land Use Commission variance determinations from Chapter 25-8-41 of the City Code:

1. The requirement will deprive the applicant of a privilege available to owners of similarly situated property with approximately contemporaneous development subject to similar code requirements.

Yes. The variance will not be providing a special privilege to the applicant. The proposed buildings are similar in size to similarly situated property. The style of the building proposes a single finished floor building with a 4 -foot loading dock and flat truck court. In order to facilitate this type of development, significant levelling is required to enhance maneuverability into the loading docks, allowing trucks to operate safely on site.

The limits of the fill do extend beyond the building as shown in the cut/fill exhibit but is contained with retaining wall structures designed in conjunction with the building walls, so the building is supported. Prior projects in this industrial development zone had a similar situation. A prime example is Crossroads Logistics Center SP-2021-0015D. Land Use Commission variances were granted to LDC 25-8-341 and 342 to allow cut and fill up to 14.3 feet and 16.5 feet, respectively.

2. The variance:
  - a) Is not necessitated by the scale, layout, construction method, or other design decision made by the applicant, unless the design decision provides greater overall environmental protection than is achievable without the variance;

Yes. The industrial use for this project requires level loading docks, parking, and drive aisles. Effective accessibility to portions of the building would not be achievable without this variance.

- b) Is the minimum deviation from the code requirement necessary to allow a reasonable use of the property;

Yes. There is significant fall across the property which poses challenges with cut/fill for a large single finished floor building. The development requires fill beyond 4ft for an efficient and operable building and site. In order to facilitate this type of development, a minimum deviation from code to allow fill up to 17ft is necessary. Structural containment will also be provided to contain and minimize the amount of fill.

- c) Does not create a significant probability of harmful environmental consequences.

Yes. The variance does not create a significant probability of harmful consequences. The variance is a minimum deviation from code to allow for reasonable use of the property. The fill will be minimized and structurally contained with retaining walls. Retaining walls will also reduce the amount of sloping required to return to existing grade.

3. Development with the variance will result in water quality that is at least equal to the water quality achievable without the variance.

Yes. The project is served by an existing water quality/wet pond designed to treat this development. All stormwater run from this site will be captured and conveyed to the existing pond.

B. The Land Use Commission may grant a variance from a requirement of Section 25-8-422 (*Water Supply Suburban Water Quality Transition Zone*), Section 25-8-452 (*Water Supply Rural Water Quality Transition Zone*), Section 25-8-482 (*Barton Springs Zone Water Quality Transition Zone*), Section 25-8-368 (*Restrictions on Development Impacting Lake Austin, Lady Bird Lake, and Lake Walter E. Long*), or Article 7, Division 1 ( *Critical Water Quality Zone Restrictions* ), after determining that::

1. The criteria for granting a variance in Subsection (A) are met;

Yes / No [provide summary of justification for determination]

2. The requirement for which a variance is requested prevents a reasonable, economic use of the entire property;

Yes / No [provide summary of justification for determination]

3. The variance is the minimum deviation from the code requirement necessary to allow a reasonable, economic use of the entire property.

Yes / No [provide summary of justification for determination]

Staff Determination: Staff determines that the findings of fact have been met. Staff recommends the following condition:



Provide structural containment of the fill with retaining walls.

Environmental Reviewer  
(DSD)



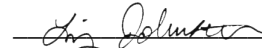
Date \_\_  
10/21/2021

Environmental Review  
Manager (DSD)

*Mike McDougal*

Date 10-22-2021

Environmental Officer  
(WPD)

  
*Liz Johnston*

Date 10-22-2021

September 24, 2021



## ENVIRONMENTAL COMMISSION VARIANCE APPLICATION FORM

August 26, 2021

Denise Lucas, Director  
Planning and Zoning Department  
City of Austin  
6310 Wilhelmina Delco Drive  
Austin, TX 78752

RE: Variance Request Letter  
Park 183 Buildings 6 & 7  
4800 Distribution Drive & 7900 Industry Way  
SP-2021-0072C  
**§25-8-342 Fill Requirements**

Dear Ms. Lucas:

Please accept the following environmental commission variance application form and supporting materials as our request to allow for fill in excess of four (4) feet for the proposed development of the Park 183 Buildings 6 & 7 site development permit (SP-2021-0072C) located at 4800 Distribution Drive and 7900 Industry Way.

The subject project is a 19.128-acre tract of land located within the City of Austin Full Purpose Jurisdiction. The project is located within the Onion Creek Watershed classified by the City of Austin as a Suburban Watershed and is currently zoned LI-CO and is not located within the Edwards Aquifer Recharge Zone.

The Park 183 Buildings 6 & 7 site development permit proposes two (2) limited warehousing and distribution facilities totaling approximately 300,000 square feet with associated loading docks, surface parking, and utility connections.

Water quality and detention is provided in the existing wet pond designed and constructed with SP-2016-0360C, Park 183 – Building 2. We have analyzed the existing pond with Atlas 14 rainfall data and have determined the 100-year storm is contained within the pond walls and does not overtop the emergency spillway.

September 24, 2021

The property is zoned LI-CO and proposes limited warehousing and distribution facilities. Projects surrounding this development, Park 183 Buildings 1, 2, 3, 5 and Park 183 Fedex, are developed with similar sized buildings ranging between 115,000 SF to 160,000 SF.

This project requires a variance for the following code section:

Division 5. – Cut, Fill, and Spoil.

### **§25-8-342 – Fill Requirements**

- (A) Fill on a tract of land may not exceed four feet of depth, except:
- (1) in an urban watershed;
  - (2) in a roadway right-of-way;
  - (3) under a foundation with sides perpendicular to the ground, or with pier and beam construction;
  - (4) for construction of a water quality control or detention facility and appurtenances for conveyance such as swales, drainage ditches, and diversion berms, if:
    - (a) the design and location of the facility within the site minimize the amount of fill over four feet;
    - (b) the fill is the minimum necessary for the appropriate functioning of the facility; and
    - (c) the fill is not located on a slope with a gradient of more than 15 percent or within 100 feet of a classified waterway;
  - (5) for utility construction or a wastewater drain field; or
  - (6) in a state-permitted sanitary landfill located in the extraterritorial jurisdiction, if:
    - (a) the fill is derived from the landfill operation;
    - (b) the fill is not placed in a critical water quality zone or a 100-year floodplain;
    - (c) the landfill operation has an erosion and restoration plan approved by the City; and
    - (d) all other applicable City Code provisions are met.
- (B) A fill area must be restored and stabilized.
- (C) Fill for a roadway must be contained within the roadway clearing width described in Section 25-8-322 (Clearing For A Roadway).

**The City of Austin Land Development Code allows Land Use Commission Variances per the following:**

Division 3. – Variances

### **§25-8-41 Land Use Commission Variances.**

- (A) It is the applicant's burden to establish that the findings described in this Section have been met. Except as provided in Subsections (B) and (C), the Land Use Commission may grant a variance from a requirement of this subchapter after determining that:
- (1) the requirement will deprive the applicant of a privilege available to owners of other similarly situated property with approximately contemporaneous development subject to similar code requirements;
  - (2) the variance:

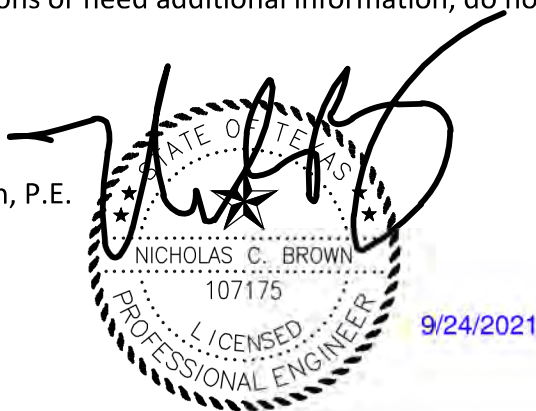
September 24, 2021

- (a) is not necessitated by the scale, layout, construction method, or other design decision made by the applicant, unless the design decision provides greater overall environmental protection than is achievable without the variance;
  - (b) is the minimum deviation from the code requirement necessary to allow a reasonable use of the property; and
  - (c) does not create a significant probability of harmful environmental consequences; and
  - (3) development with the variance will result in water quality that is at least equal to the water quality achievable without the variance.
- (B) The Land Use Commission may grant a variance from a requirement of Section 25-8-422 (Water Quality Transition Zone), Section 25-8-452 (Water Quality Transition Zone), Section 25-8-482 (Water Quality Transition Zone), Section 25-8-652 (Restrictions on Development Impacting Lake Austin, Lady Bird Lake, and Lake Walter E. Long), or Article 7, Division 1 (Critical Water Quality Zone Restrictions), after determining that:
- (1) the criteria for granting a variance in Subsection (A) are met;
  - (2) the requirement for which a variance is requested prevents a reasonable, economic use of the entire property; and
  - (3) the variance is the minimum deviation from the code requirement necessary to allow a reasonable, economic use of the entire property.
- (C) The Land Use Commission may not grant a variance from a requirement of Article 13 (Save Our Springs Initiative).
- (D) The Land Use Commission shall prepare written findings of fact to support the grant or denial of a variance request under this section.

Please accept the following findings of fact concerning the need for the variance. If you have any questions or need additional information, do not hesitate to contact our office.

Sincerely,

Nick Brown, P.E.



9/24/2021

## PROJECT DESCRIPTION

### Applicant Contact Information

Name of Applicant	LDC
Street Address	4201 W Parmer Lane, Suite C-100

September 24, 2021

City State ZIP Code	Austin, Texas 78727
Work Phone	512-872-6696
E-Mail Address	Nick.brown@ldcteams.com
<b>Variance Case Information</b>	
Case Name	Park 183 Buildings 6 & 7
Case Number	SP-2021-0072C
Address or Location	4800 Distribution Dr. & 7900 Industry Way
Environmental Reviewer Name	Babatunde Daramola
Environmental Resource Management Reviewer Name	
Applicable Ordinance	Watershed Protection Ordinance (WPO)
Watershed Name	Onion Creek
Watershed Classification	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Water Supply Suburban <input type="checkbox"/> Water Supply Rural <input type="checkbox"/> Barton Springs Zone
Edwards Aquifer Recharge Zone	<input type="checkbox"/> Barton Springs Segment <input type="checkbox"/> Northern Edwards Segment <input checked="" type="checkbox"/> Not in Edwards Aquifer Zones
Edwards Aquifer Contributing Zone	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Distance to Nearest Classified Waterway	0.25 Miles
Water and Waste Water service to be provided by	Austin Water Utility
Request	The variance request is as follows (Cite code references: <b>25-8-342</b> )

Impervious cover	Existing	Proposed
square footage:	0	666,468
acreage:	0	15.3
percentage:	0	80

Provide general description of the property (slope range, elevation range, summary of vegetation / trees, summary of the geology, CWQZ, WQTZ, CEFs, floodplain, heritage trees, any other notable or outstanding characteristics of the property)	<p>The site generally slopes from South to North ranging between +/-525 to 503. Slopes vary but do not exceed 15% in any direction except for a man-made drainage swale on the north side of the property.</p> <p>0-15% slopes; 19.13 acres</p> <p>15-25% slopes; 0 acres</p> <p>25-35% slopes; 0 acres</p> <p>Over 35% slopes; 0 acres</p> <p>Site vegetation generally consists of tall grasses, weeds, and tree cover. The tree cover is mostly hackberry, mesquite, and chinaberry less than 19-inches in diameter mixed with some dead trees.</p> <p>Soils are composed of surface clays then lean clays, sands and gravels, then Austin Group limestone</p> <p>The site does not have CWQZ, WQTZ, CEF's, or floodplain identified</p>	
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Clearly indicate in what way the proposed project does not comply with current Code (include maps and exhibits)	The site complies with all applicable code except fill exceeding 4-feet depicted on the exhibit included
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### FINDINGS OF FACT

As required in LDC Section 25-8-41, in order to grant a variance the Land Use Commission must make the following findings of fact:

Include an explanation with each applicable finding of fact.

Project:

Ordinance:

A. Land Use Commission variance determinations from Chapter 25-8-41 of the City Code:

1. The requirement will deprive the applicant of a privilege available to owners of similarly situated property with approximately contemporaneous development subject to similar code requirements.

**Yes** / No

**This project lay within an industrial park zoned LI-CO with similar warehouse buildings ranging between 115,000 SF to 160,000 SF in size. The style of building proposes a single finished floor building with a 4-foot loading dock and relatively flat truck court where semi-trucks can maneuver into loading docks. These criteria are necessary for an efficient and operable building and site.**

**Existing slopes on the property eliminate the ability to develop this property with an industrial warehouse building. As noted above, this type of development requires significant leveling to allow trucks to operate on the site.**

2. The variance:
  - a) Is not necessitated by the scale, layout, construction method, or other design decision made by the applicant, unless the design decision provides greater overall environmental protection than is achievable without the variance;

**Yes** / No

**The industrial user for this project requires level loading docks, parking, and drive aisles. Without the variance, the property would not be reasonably developed to comply with the LI-CO zoning and uses.**

**It is also noted, accessible access to portions of the building would not be achievable without this variance.**

**The structural engineer has also provided a letter stating the proposed structural system is safer and more reliable.**

- b) Is the minimum deviation from the code requirement necessary to allow a reasonable use of the property;

**Yes** / No

**The project is zoned LI-CO and the proposed use is allowed in this zoning classification. The proposed buildings are similar in size to the adjacent developments permitted in this industrial park and designed to limit the departure from the code. It is not possible to design a project with 4-foot loading docks and large single floor buildings without exceeding the allowable fill.**

**The building is supported by the structural design as well as the surrounding retaining walls. These retaining walls are designed to limit the extents of fill and reduce the limits in which fill would otherwise be required to return to existing grade.**

- c) Does not create a significant probability of harmful environmental consequences.

**Yes** / No

**The proposed design limits the amount of fill in lieu of earth slopes. By retaining the fill, this will reduce the amount of sloping required to return to existing grade and limit the fill to 8-feet or less. Please reference the previously mentioned structural letter explaining the benefit to the proposed design as support.**

3. Development with the variance will result in water quality that is at least equal to the water quality achievable without the variance.



September 24, 2021

**Yes** / No

**This development is served by an existing water quality/wet pond designed and constructed under SP-2016-0360C to treat this development. All storm water runoff from this site will be captured and conveyed to the existing pond.**

B. Additional Land Use Commission variance determinations for a requirement of Section 25-8-422 (Water Quality Transition Zone), Section 25-8-452 (Water Quality Transition Zone), Article 7, Division 1 (Critical Water Quality Zone Restrictions), or Section 25-8-368 (Restrictions on Development Impacting Lake Austin, Lady Bird Lake, and Lake Walter E. Long):

1. The criteria for granting a variance in Subsection (A) are met;

**N/A**

2. The requirement for which a variance is requested prevents a reasonable, economic use of the entire property;

**N/A**

3. The variance is the minimum deviation from the code requirement necessary to allow a reasonable, economic use of the entire property.

**N/A**

\*\*Variance approval requires all above affirmative findings.



## Exhibits for Commission Variance

- Aerial photos of the site
- Site photos
- Aerial photos of the vicinity
- Context Map—A map illustrating the subject property in relation to developments in the vicinity to include nearby major streets and waterways
- Topographic Map - A topographic map is recommended if a significant grade change on the subject site exists or if there is a significant difference in grade in relation to adjacent properties.
- For cut/fill variances, a plan sheet showing areas and depth of cut/fill with topographic elevations.
- Site plan showing existing conditions if development exists currently on the property
- Proposed Site Plan- full size electronic or at least legible 11x17 showing proposed development, include tree survey if required as part of site or subdivision plan
- Environmental Map – A map that shows pertinent features including Floodplain, CWQZ, WQTZ, CEFs, Setbacks, Recharge Zone, etc.
- An Environmental Resource Inventory pursuant to ECM 1.3.0 (*if required by 25-8-121*)
- Applicant's variance request letter



August 20, 2021

Mr. Clayton Baca  
Trammell Crow Company  
500 W. 2<sup>nd</sup> Street, Suite 1400  
Austin, TX 78701

Re: Park 183 – Phase 4 (Building B6 & B7)  
Foundation Design Considerations for Extreme Grading Conditions

Clayton:

The proposed buildings on this site will be constructed utilizing load-bearing tilt-up concrete perimeter wall panels to match the previously constructed surrounding buildings in this same business park development. Conventional tilt-up wall panel construction relies upon the lower portion of the wall panel to serve as a "retaining wall" that separates and restrains the soil beneath the building floor slab from the surrounding exterior grading conditions. Using conventional tilt-up wall panel design, there is a practical limit to the grade difference between the building finish floor elevation and the final exterior grade of about 7 to 8 feet in height. If the grade difference becomes greater than this height, the wall panels become progressively taller & heavier and it becomes difficult or impossible to safely lift and erect the individual wall panel units using commonly available mobile crane equipment. The thickness & reinforcing of the wall panel elements also start to be controlled by the lower level retaining wall forces rather than by the floor-to-roof span above that is normally the critical design criterion.

At the north & northeast portions of this site, we have a situation where the existing natural ground level grades are as much as 15 feet below the finish floor elevations for the proposed new buildings. For the above stated reasons, it is more economical, safe & construction friendly to utilize a separate system of site retaining walls to elevate & permanently support the new building pads so that conventional tilt-up wall panel design and construction can be used above. The site retaining walls must be located several feet beyond the building footprint to prevent overlapping interference between the tilt-up panel foundations (drilled concrete piers) and the separate retaining wall foundation system (relatively wide continuous strip footings). This arrangement also provides the added benefit of a perimeter band of elevated soil against the building that can accommodate sidewalk pathways to required ingress and egress doorways. We strongly recommend this method of construction at this site in order to provide a foundation system that has reliable performance characteristics without the need for unusual and/or expensive basement wall type designs.

Let us know if you have further questions or comments concerning this matter.

Best Regards,

A handwritten signature in blue ink that reads "Kent Penrod".

Kent Penrod  
Chief of Production



B-8

16 of 44



0 500' 1,000'

SCALE: 1" = 500'

PROJECT LOCATION

BURLESON RD

DISTRIBUTION DRIVE

INDUSTRY WAY

US HW 183



TBPE NO: 16384 · TBPLS NO: 10194101  
4201 W. PARKER LANE, SUITE C-100  
AUSTIN, TX 78727  
512.872.6896  
LDCTEAMS.COM

## PARK 183 BUILDINGS 6 & 7 AERIAL LOCATION MAP





0 600' 1,200'

SCALE: 1" = 600'

PARK 183 BUILDING 1

PROJECT LOCATION

BURLESON RD

PARK 183 BUILDING 2

DISTRIBUTION DRIVE

PARK 183 BUILDING 5

INDUSTRY WAY

US HW 183

PARK 183 FEDEX

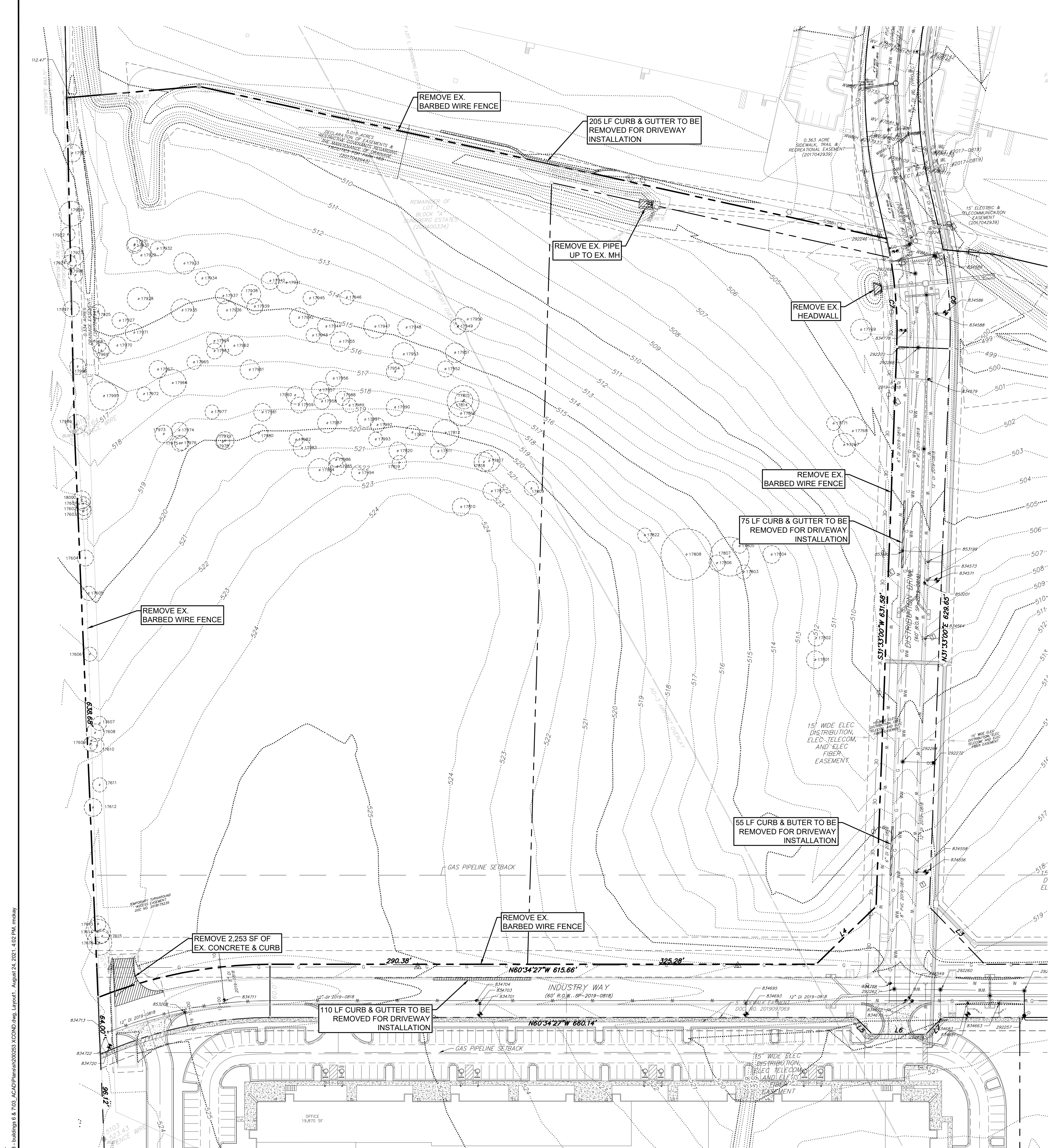
PARK 183 BUILDING 3



TBPE NO: 16384 - TBPLS NO: 10194101  
4201 W. PARKER LANE, SUITE C-100  
AUSTIN, TX 78727  
512.872.6896  
LDCTEAMS.COM

## PARK 183 BUILDINGS 6 & 7 CONTEXT MAP





POINT TABLE		
POINT	DESCRIPTION	REMOVE
17601	HB 8	X
17602	HB 8	X
17603	HB 9	X
17604	HB 9	X
17605	HB 8	X
17606	CB 8 8	X
17607	CB 8	X
17608	HB 10	X
17609	HB 8	X
17610	CB 8	X
17611	CB 8	X
17612	HB 10 9	X
17613	HB 9	X
17614	HB 14	X
17615	MSQ 8	X
17616	CB 14 10	X
17617	MSQ 8 6 5	X
17618	MSQ 11 8 5	X
17619	HB 12	X
17620	MSQ 8	X
17621	HB 10	X
17622	HB 9	X
17623	MSQ 8 DEAD	X
17624	MSQ 10	X
17625	MSQ 8 6 DEAD	X
17626	MSQ 9	X
17627	MSQ 9 9 7 6	X
17628	MSQ 9 8 6 4 4	X
17629	CB 8	X
17630	HB 10	X
17631	HB 9	X
17632	CB 15	X
17633	CB 14	X
17634	MSQ 12 8 6	X
17635	HB 10	X
17636	CDR 10	X
17637	CB 12	X
17638	CB 11 DEAD	X
17639	MSQ 8 DEAD	X
17640	HB 10	X
17641	HB 8	X
17642	CDR 8	X
17643	MSQ 10	X
17644	CB 14 11	X
17645	HB 8	X
17646	MSQ 11	X
17647	HB 8	X
17648	HB 8	X
17649	HB 8	X
17650	HB 9	X
17651	HB 9	X
17652	HB 13	X
17653	HB 11	X
17654	HB 9	X
17655	HB 9	X
17656	HB 9	X
17657	HB 10	X
17658	LO 8	X
17659	HB 8	X
17660	HB 12	X
17661	HB 8	X
17662	HB 10	X
17663	HB 8	X
17664	HB 9	X
17665	HB 13	X
17666	HB 13	X
17667	HB 11	X
17668	HB 9	X
17669	HB 9	X
17670	HB 11	X

POINT TABLE		
POINT	DESCRIPTION	REMOVE
17939	HB 9	X
17940	HB 10	X
17941	HB 12 DEAD	X
17942	HB 11	X
17943	HB 8	X
17944	HB 10	X
17945	HB 8	X
17946	HB 8	X
17947	HB 13	X
17948	HB 10	X
17949	HB 9 DEAD	X
17950	HB 14	X
17951	MSQ 11 10	X
17952	HB 9	X
17953	MSQ 13	X
17954	CB 10	X
17955	HB 11	X
17956	HB 9	X
17957	HB 10	X
17958	HB 9	X
17959	HB 9	X
17960	HB 10	X
17961	HB 11	X
17962	HB 11	X
17963	HB 9	X
17964	MSQ 9	X
17965	HB 8	X
17966	CB 15	X
17967	HB 10	X
17968	HB 8	X
17969	HB 9	X
17970	HB 10 DEAD	X
17971	HB 10	X
17972	CE 8	X
17973	HB 10	X
17974	HB 9	X
17975	HB 9	X
17976	HB 8	X
17977	HB 8	X
17978	HB 8	X
17979	HB 10 DEAD	X
17980	HB 10	X
17981	HB 10	X
17982	HB 8	X
17983	HB 10	X
17984	HB 13	X
17985	CDR 10	X
17986	HB 8	X
17987	HB 11	X
17988	HB 8	X
17989	HB 8	X
17990	HB 10	X
17991	MSQ 9	X
17992	HB 8	X
17993	HB 8	X
17994	HB 9	X
17995	CB 16	X
17996	CB 9	X
17997	HB 9	X
17998	HB 8	X

POINT TABLE		
POINT	DESCRIPTION	REMOVE
17999	HB 11	X
18000	HB 10	X

TREE INDEX

TAG NO.

514

LO

17

14

11

INDICATES MULTI TRUNK

INDIVIDUAL TRUNK DIA.  
(IN INCHES)

CRITICAL ROOT ZONES (TREE CIRCLES)  
ARE SHOWN USING THE COA FORMULA  
FOR SINGLE AND MULTI TRUNK TREES.

NOTE ABOUT DEAD TREES:  
IF THE TREE APPEARED TO BE DEAD, THEN IT  
HAS BEEN NOTED AS DEAD; HOWEVER, SUCH  
DETERMINATION IS SUBJECT TO  
VERIFICATION BY A QUALIFIED ARBORIST.

TREE SURVEY DATE: APRIL 2018

0 50' 100'

SCALE: 1" = 50'

LEGEND

834

EXISTING MINOR CONTOUR

835

EXISTING MAJOR CONTOUR

834

PROPOSED MINOR CONTOUR

835

PROPOSED MAJOR CONTOUR

BOUNDARY

BOUNDARY

EASEMENT

EASEMENT

FLOODPLAIN

FLOODPLAIN

CREEK CENTERLINE

CREEK CENTERLINE

TREE TO REMAIN

TREE TO REMAIN

EXISTING TREE TO BE REMOVED

EXISTING TREE TO BE REMOVED

RECORD INFORMATION

RECORD INFORMATION

LIGHT POLE

LIGHT POLE

GROUND LIGHT

GROUND LIGHT

POWER POLE

POWER POLE

DOWN GUY

DOWN GUY

TELEPHONE MANHOLE

TELEPHONE MANHOLE

WATER MANHOLE

WATER MANHOLE

UNDERGROUND CABLE MARKER

UNDERGROUND CABLE MARKER

UNDERGROUND GAS LINE MARKER

UNDERGROUND GAS LINE MARKER

UNDERGROUND TELEPHONE MARKER

UNDERGROUND TELEPHONE MARKER

GAS RISER

GAS RISER

TELEPHONE RISER

TELEPHONE RISER

SPRINKLER CONTROL BOX

SPRINKLER CONTROL BOX

SWITCH GEAR & PAD

SWITCH GEAR & PAD

TRANSFORMER (SIZE VARIES)

TRANSFORMER (SIZE VARIES)

FIRE HYDRANT

FIRE HYDRANT

WATER VALVE

WATER VALVE

WATER METER

WATER METER

WATER METER VAULT (SIZE VARIES)

WATER METER VAULT (SIZE VARIES)

CABLE TV RISER

CABLE TV RISER

ELECTRIC BOX

ELECTRIC BOX

ELECTRIC METER

ELECTRIC METER

GAS METER

GAS METER

GAS VALVE

GAS VALVE

TRAFFIC CONTROL BOX

TRAFFIC CONTROL BOX

TRAFFIC SIGNAL POST

TRAFFIC SIGNAL POST

GRATE INLET

GRATE INLET

CURB INLET (SIZE VARIES)

CURB INLET (SIZE VARIES)

STORMSEWER LINE

STORMSEWER LINE

WATER LINE

WATER LINE

FIRE LINE

FIRE LINE

WASTEWATER LINE

WASTEWATER LINE

SINGLE WATER SERVICE

SINGLE WATER SERVICE

GAS LINE

GAS LINE

UNDERGROUND ELECTRIC LINE

UNDERGROUND ELECTRIC LINE

OVERHEAD ELECTRIC

OVERHEAD ELECTRIC

UNDERGROUND TELEPHONE

UNDERGROUND TELEPHONE

UNDERGROUND CABLE AND INTERNET

UNDERGROUND CABLE AND INTERNET

TELECOMMUNICATIONS LINE

TELECOMMUNICATIONS LINE

ELECTRIC MANHOLE (SIZE VARIES)

ELECTRIC MANHOLE (SIZE VARIES)

WASTEWATER MANHOLE (SIZE VARIES)

WASTEWATER MANHOLE (SIZE VARIES)

STORMSEWER MANHOLE (SIZE VARIES)

STORMSEWER MANHOLE (SIZE VARIES)

TELEPHONE MANHOLE (SIZE VARIES)

TELEPHONE MANHOLE (SIZE VARIES)

WASTEWATER CLEANOUT

WASTEWATER CLEANOUT

WIRE FENCE

WIRE FENCE

WOOD FENCE

WOOD FENCE

CHAIN LINK FENCE

CHAIN LINK FENCE

CURB & GUTTER

CURB & GUTTER

EDGE OF PAVEMENT

EDGE OF PAVEMENT

CONCRETE SIDEWALKS

CONCRETE SIDEWALKS

LINE TABLE		
NO.	BEARING	DISTANCE
L1	S4°30'27"E	40.79'
L2	S70°07'39"E	58.95'
L3	N14°30'49"W	90.03'
L4	S75°29'48"W	83.86'
L5	S15°34'51"E	26.87'
L6	S80°34'12"E	60.04'
L7	N74°25'09"E	26.87'
L8	S77°35'15"E	32.98'

CURVE TABLE					
NO.	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	26.00'	469.99'	3°10'09"	S18°11'13"W	25.99'
C2	26.00'	470.00'	3°10'09"	S18°11'13"W	25.99'
C3	4.04'	109.46'	2°06'49"	N18°49'59"E	4.04'
C4	3.02'	530.00'	0°19'36"	N19°34'35"E	3.02'
C5	70.41'	470.00'	8°35'00"	N64°51'57"W	70.34'
C6	109.00'	530.00'	11°47'02"	N25°37'53"E	108.81'
C7	96.73'	470.25'	11°47'10"	S25°40'15"W	96.56'
C8	79.40'	530.00'	8°35'00"	S64°51'57"E	79.32'

**BEARING BASIS NOTE:**

THE BASIS OF BEARING OF THE SURVEY SHOWN HEREON IS TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83(96), UTILIZING WESTERN DATA SYSTEMS CONTINUALLY OPERATING REFERENCE STATION (COORS) NETWORK.

THIS IS A SURFACE DRAWING. TO CONVERT FROM SURFACE TO GRID USE A COMBINED SCALE FACTOR OF 0.999960959.

SITE PLAN APPROVAL

Sheet 6 of 46

FILE NUMBER: SP-2021-0072C APPLICATION DATE: 03/26/2021

APPROVED BY COMMISSION ON: UNDER SECTION 112 OF CHAPTER 25-5 OF THE CITY OF AUSTIN CODE.

EXPIRATION DATE (25-5-81, LDC): CASE MANAGER: S. AMLA

Director, Planning and Development Review Department

RELEASED FOR GENERAL COMPLIANCE: ZONING: U-CO

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), must also be approved prior to the Project Expiration Date.

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Know what's below.  
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LAND DEV

CONSULTING, LLC

4201 WEST PARKER LANE, SUITE C-100

AUSTIN, TX 78727

OFFICE: 512.872.6696

FIRM NO.: 16364

EXISTING CONDITIONS & DEMOLITION PLAN

PARK 183 BLDG 6 & 7

4800 DISTRIBUTION DRIVE

& 7900 INDUSTRY WAY

AUSTIN, TRAVIS COUNTY, TEXAS

DESIGNED BY: RM

DRAWN BY: AH

CHECKED BY: NB

APPROVED BY: NB

SHEET 6 OF 46

SP-2021-0072C

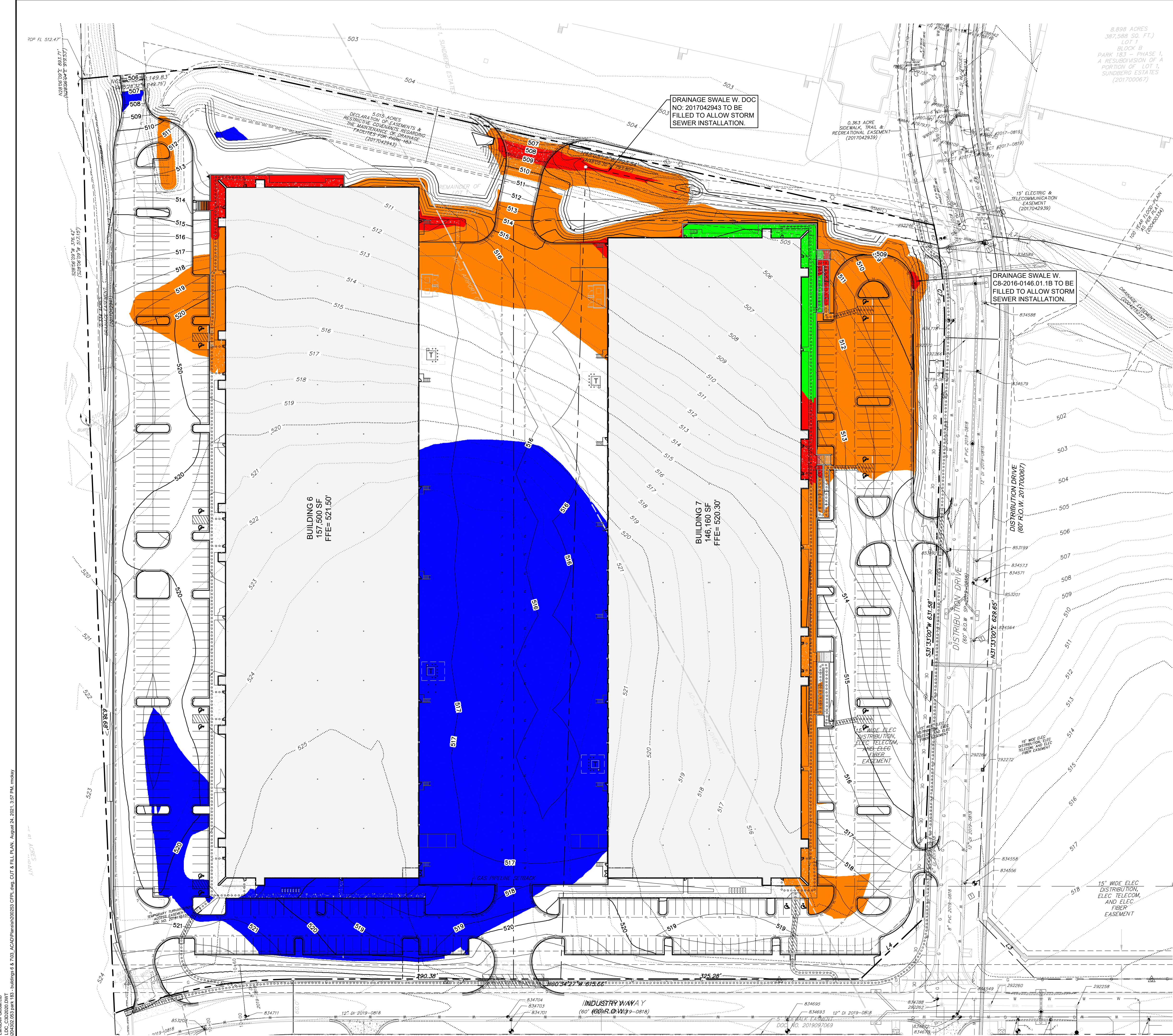
REVISION

NO.

BY

DATE





Elevations Table			
NUMBER	MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOR
1	-8.00	-4.00	Blue
2	-4.00	0.00	
3	0.00	4.00	
4	4.00	8.00	Orange
5	8.00	12.00	Red
6	12.00	16.26	Green

SITE PLAN APPROVAL Sheet 17 of 46  
FILE NUMBER: SP-2021-0072C APPLICATION DATE: 03/26/2021  
RELEASED FOR GENERAL COMPLIANCE: ZONING U-CO  
APPROVED BY COMMISSION ON UNDER SECTION 112 OF  
CHAPTER 25-5 OF THE CITY OF AUSTIN CODE.  
EXPIRATION DATE (25-5-81, LDC) CASE MANAGER R. MIA

Director, Planning and Development Review Department  
Rev. 1 Correction 1  
Rev. 2 Correction 2  
Rev. 3 Correction 3

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time of filing, and all required Building Permits and/or a notice of  
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prior to the Project Expiration Date.

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4201 WEST PARKER LANE, SUITE D-100  
AUSTIN, TX 78727  
OFFICE: 512.872.6696  
FIRM NO. 16384

NICHOLAS C. BROWN  
107175  
LICENSED  
PROFESSIONAL ENGINEER

8/24/2021

CUT & FILL PLAN

PARK 183 BLDG 6 & 7  
4800 DISTRIBUTION DRIVE  
& 7900 INDUSTRY WAY  
AUSTIN, TRAVIS COUNTY, TEXAS

DESIGNED BY: RM

DRAWN BY: AH

CHECKED BY: NB

APPROVED BY: NB

SHEET 17 OF 46

SP-2021-0072C



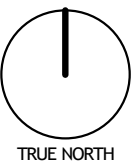


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828 West 6th Street  
Suite 300  
Austin, TX 78703  
512.899.3500

Park 183 Building 6

7900 Industry Way  
Austin, TX 78744



3 PR1 08/23/21  
0 ISSUE FOR 06/01/21  
CONSTRUCTION

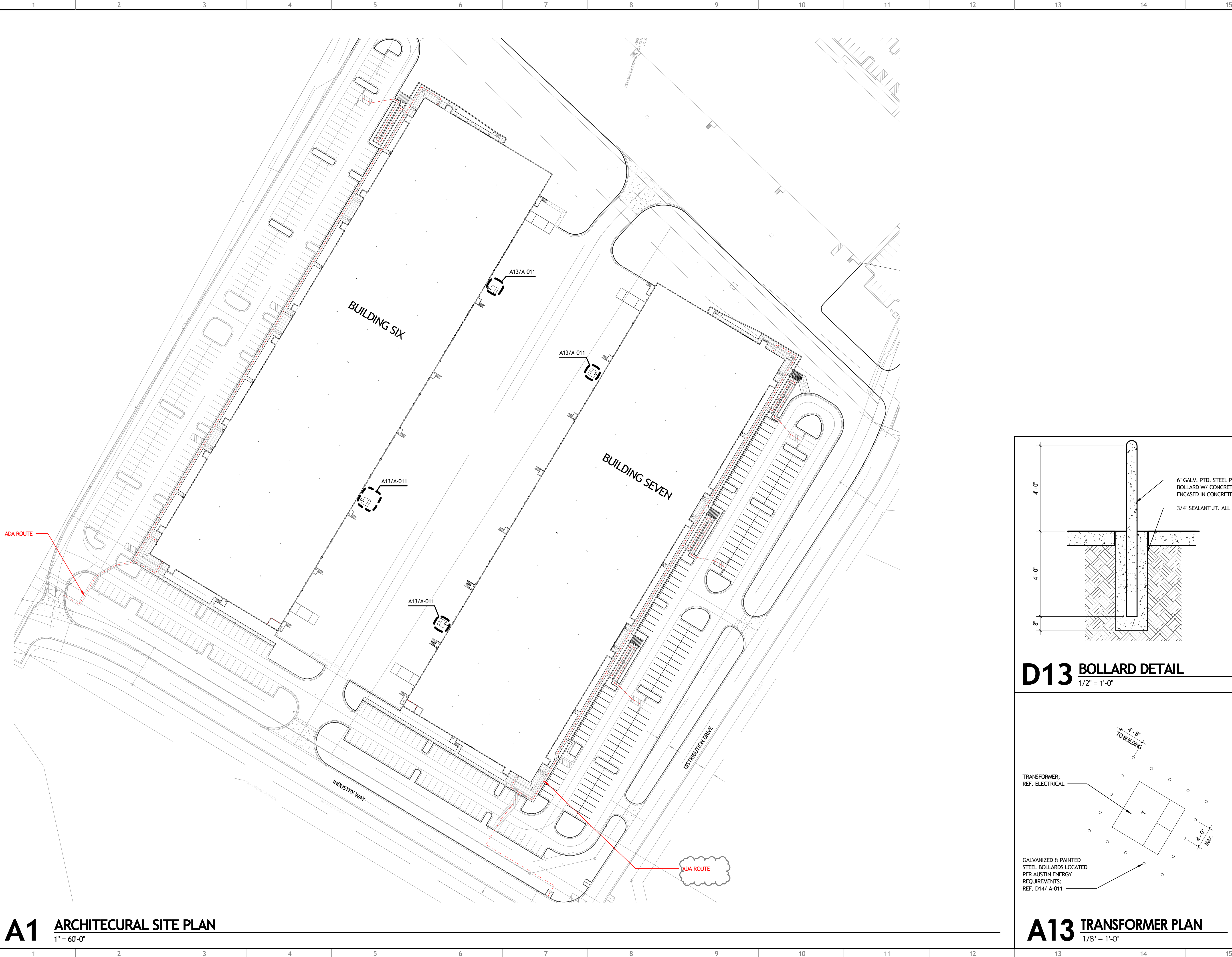
△ Issues

Project Number: 16.21242.00

Project Lead: MJ

ARCHITECTURAL SITE  
REFERENCE PLAN

A-011



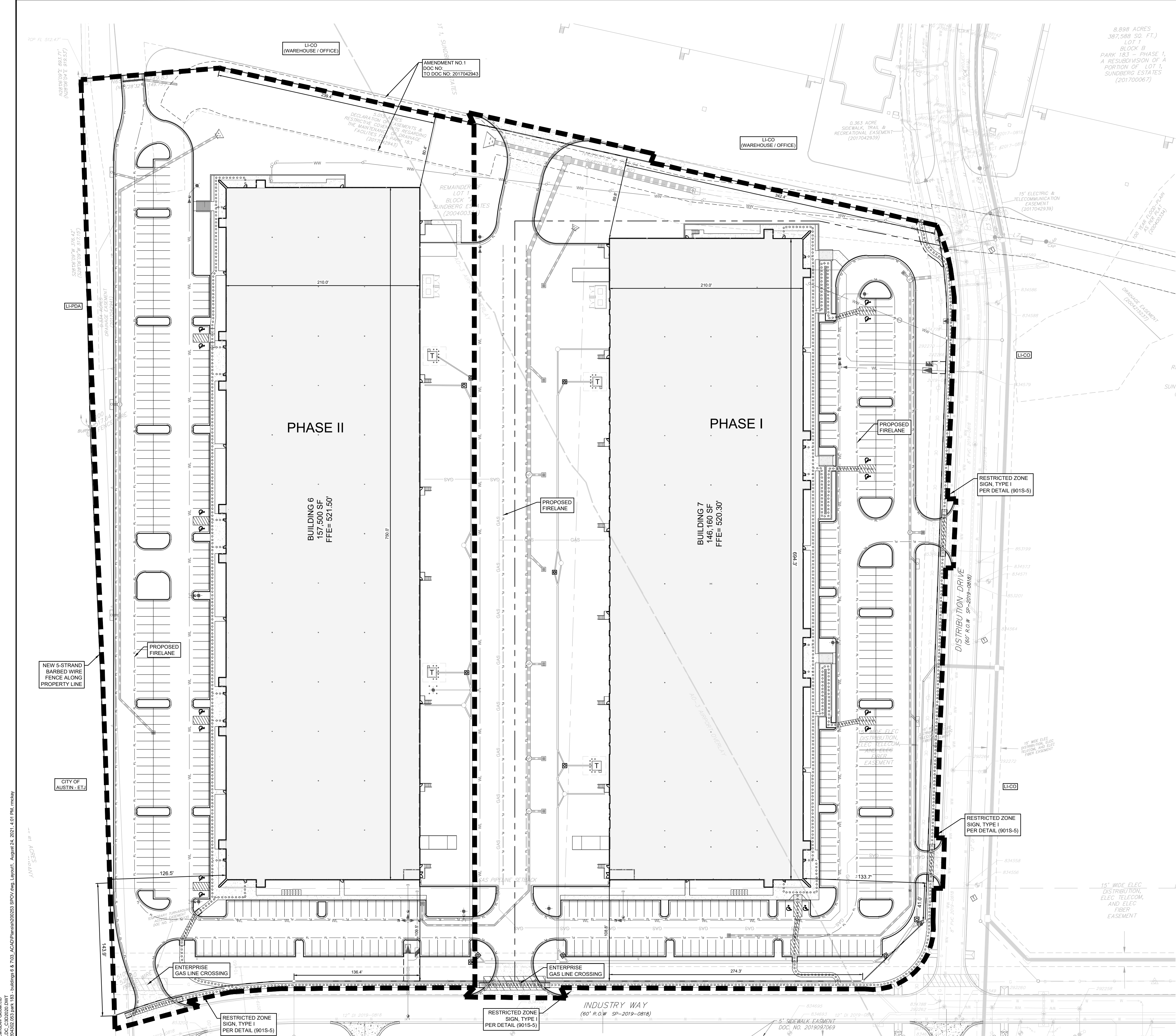
A1 ARCHITECTURAL SITE PLAN  
1" = 60'-0"

D13 BOLLARD DETAIL  
1/2" = 1'-0"

A13 TRANSFORMER PLAN  
1/8" = 1'-0"

Plot Date: 8/26/2021 11:04:20 AM  
General File Path: S:\Studio\mike.miller\new Project\440 Drawings\410 Review\New File.dwg (General 2019)  
Local File Path: C:\Users\mike.miller\Documents\STG\Revit\2019 Local Models\Park183\_Bldg\_007-AR\Central 2019.dwg





- LEGEND**
- ..... 8.34 ..... EXISTING MINOR CONTOUR
  - ..... 8.35 ..... EXISTING MAJOR CONTOUR
  - ..... 8.35 ..... PROPOSED MAJOR CONTOUR
  - ..... 8.35 ..... PROPOSED MINOR CONTOUR
  - ..... 8.35 ..... BOUNDARY
  - ..... 8.35 ..... EASEMENT
  - ..... 8.35 ..... RETAINING WALL
  - ..... 8.35 ..... CURB/EOP
  - ..... 8.35 ..... SIDEWALK (BY BUILDER)
  - ..... 8.35 ..... ADA RAMP
  - ..... 8.35 ..... STORM SEWER JUNCTION BOX
  - ..... 8.35 ..... STORM SEWER MAHNOLE
  - ..... 8.35 ..... CURB INLET
  - ..... 8.35 ..... AREA INLET
  - ..... 8.35 ..... GRATE INLET
  - ..... 8.35 ..... YARD INLET
  - ..... 8.35 ..... CONCRETE HEADWALL
  - ..... 8.35 ..... FIRE HYDRANT
  - ..... 8.35 ..... WATER VALVE
  - ..... 8.35 ..... WASTEWATER MANHOLE
  - ..... 8.35 ..... WASTEWATER CLEANOUT
  - ..... 8.35 ..... TREES TO REMAIN-HERITAGE
  - ..... 8.35 ..... PHASE LINE

**ACCESSIBILITY NOTES:**

1. SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP. (TAS 4.3.1)
2. GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT. (TAS 4.3.1)
3. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 IN. (TAS 4.3.2)
4. ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50. (TAS 4.3.1)
5. 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.

**NOTES:**

1. ALL DIMENSIONS TO CURBS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL RADI PARKING DIMENSIONS ARE 2.50' TO BACK OF CURB UNLESS OTHERWISE NOTED.
3. REFERENCE MASTER SITE & PAVING PLAN FOR SITE PLAN NOTES.
4. A TRAFFIC IMPACT ANALYSIS IS NOT REQUIRED FOR THIS SITE PER ORDINANCE NUMBER 980430-P.
5. 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.
6. COORDINATE EXACT LOCATION OF UTILITY TRANSFORMERS AND MAIN SWITCHBOARDS WITH AUSTIN ENERGY AND CITY OF AUSTIN INSPECTIONS ON SITE AND IN WRITING PRIOR TO BEGINNING OF WORK.
7. ALL EXTERIOR LIGHTING WILL BE FULL CUT-OFF AND FULLY SHIELDED IN COMPLIANCE WITH SUBCHAPTER E 2.5 AND WILL BE REVIEWED DURING BUILDING PLAN REVIEW. ANY CHANGE OR SUBSTITUTION OF LAMP/RIGHT FIXTURES SHALL BE SUBMITTED TO THE DIRECTOR FOR APPROVAL IN ACCORDANCE WITH SECTION 2.5.2.E.
8. 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.

**BEARING BASIS NOTE:**

THE BASIS OF BEARING OF THE SURVEY SHOWN HEREON IS TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83(90), UTILIZING WESTERN DATA SYSTEMS CONTINUALLY OPERATING REFERENCE STATION (CORS) NETWORK.

THIS IS A SURFACE DRAWING. TO CONVERT FROM SURFACE TO GRID USE A CORNERED SCALE FACTOR OF 0.999990089.

SITE PLAN APPROVAL Sheet 9 of 46  
FILE NUMBER: SP-2021-0072C APPLICATION DATE: 03/26/2021  
APPROVED BY COMMISSION ON: UNDER SECTION 112 OF CHAPTER 25-5 OF THE CITY OF AUSTIN CODE.  
EXPIRATION DATE (25-5-81, LDC): CASE MANAGER: R. MIA

Director, Planning and Development Review Department  
RELEASED FOR GENERAL COMPLIANCE: ZONING: U-CO

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), must also be approved prior to the Project Expiration Date.

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Know what's below.  
Call before you dig.

LAND DEV

CONSULTING, LLC  
4201 WESTERLY LANE, SUITE D-100  
AUSTIN, TX 78727  
OFFICE: 512.872.6696  
FIRM NO. 16384

STATE OF TEXAS

NICHOLAS C. BROWN  
107175  
LICENSED PROFESSIONAL ENGINEER

8/24/2021

OVERALL SITE PLAN

PARK 183 BLDG 6 & 7  
4800 DISTRIBUTION DRIVE  
& 7900 INDUSTRY WAY  
AUSTIN, TRAVIS COUNTY, TEXAS

DESIGNED BY: RM

DRAWN BY: AH

CHECKED BY: NB

APPROVED BY: NB

SHEET 9 OF 46

SP-2021-0072C



# City of Austin Environmental Resource Inventory

**~95 Acre Tract – Burleson Road  
Austin, Travis County, Texas**

April 11, 2016

Terracon Project No. 96167242



**Prepared for:**

TC Austin Industrial Development, Inc.  
Trammell Crow Company  
Austin, Texas

**Prepared by:**

Terracon Consultants, Inc.  
Austin, Texas

April 11, 2016



Mr. Neal Holdridge  
TC Austin Industrial Development, Inc.  
Trammell Crow Company  
3501 Jamboree Road, Suite 230  
Newport Beach, California 92660

Telephone: (949) 477-4719  
Email: nholdridge@trammellcrow.com

Re: City of Austin Environmental Resource Inventory (ERI)  
~95 Acre Tract – Burleson Road  
8219 Burleson Road  
Austin, Travis County, Texas  
Terracon Project No. 96167242

Dear Mr. Holdridge:

Terracon Consultants, Inc. (Terracon) is pleased to provide this critical environmental feature (CEF) and hydrogeologic portions of the City of Austin (COA) Environmental Resource Investigation (ERI) prepared for the above-referenced site.

The results of our consulting services are solely the professional opinion of Terracon based on the site conditions documented and observed at the time of the field assessment. It should be noted that some CEFs may be seasonal or ephemeral, indicating that their presence/absence and condition are dependent on various weather conditions (including rainfall) and other changes in the surrounding ecosystem. Terracon is not liable for ephemeral and/or seasonal CEFs that are exposed or created after Terracon's field assessment. Additionally, Terracon's opinion is based on the most current regulations; therefore, changes in regulations may require a re-evaluation of the findings of this report. It is recommended that if this report is not to be submitted promptly to the COA, an updated report (based on an additional field assessment) be prepared. The results of our consulting services are solely the professional opinion of Terracon based on conditions documented and observed at the time of the field investigation. We appreciate the opportunity to provide this report. Should you have any questions or require additional information, please call me at (512) 442-1122.

Sincerely,  
**Terracon Consultants, Inc.**

A blue ink signature of Arthur D. Potts, written in a cursive style.

Arthur D. Potts  
Project Environmental Scientist

A blue ink signature of Hilary D. Johns, P.G., written in a cursive style.

Hilary D. Johns, P.G.  
Manager – Environmental Services

**Environmental Resource Inventory**

For the City of Austin  
Related to LDC 25-8-121, City Code 30-5-121, ECM 1.3.0 & 1.10.0

The ERI is required for projects that meet one or more of the criteria listed in LDC 25-8-121(A), City Code 30-5-121(A).

1. SITE/PROJECT NAME: ~95 Acre Tract - Burleson Road
2. COUNTY APPRAISAL DISTRICT PROPERTY ID (#'s): 801625
3. ADDRESS/LOCATION OF PROJECT: 8219 Burleson Road
4. WATERSHED: Onion Creek
5. THIS SITE IS WITHIN THE (Check all that apply)
 

Edwards Aquifer Recharge Zone* (See note below) .....	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> No
Edwards Aquifer Contributing Zone* .....	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> No
Edwards Aquifer 1500 ft Verification Zone* .....	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> No
Barton Spring Zone* .....	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> No

\*(as defined by the City of Austin – LDC 25-8-2 or City Code 30-5-2)

**Note: If the property is over the Edwards Aquifer Recharge zone, the Hydrogeologic Report and karst surveys must be completed and signed by a Professional Geoscientist Licensed in the State of Texas.**

6. DOES THIS PROJECT PROPOSE FLOODPLAIN MODIFICATION?.....☐ YES\*\* ☒ NO  
If yes, then check all that apply:
  - ☐ (1) The floodplain modifications proposed are necessary to protect the public health and safety;
  - ☐ (2) The floodplain modifications proposed would provide a significant, demonstrable environmental benefit, as determined by a **functional assessment** of floodplain health as prescribed by the Environmental Criteria Manual (ECM), or
  - ☐ (3) The floodplain modifications proposed are necessary for development allowed in the critical water **quality zone under LDC 25-8-261 or 25-8-262, City Code 30-5-261 or 30-5-262.**
  - ☐ (4) The floodplain modifications proposed are outside of the Critical Water Quality Zone in an area determined to be in poor or fair condition by a **functional assessment** of floodplain health.

**\*\* If yes, then a functional assessment must be completed and attached to the ERI (see ECM 1.7 and Appendix X for forms and guidance) unless conditions 1 or 3 above apply.**

7. IF THE SITE IS WITHIN AN URBAN OR SUBURBAN WATERSHED, DOES THIS PROJECT PROPOSE A UTILITY LINE PARALLEL TO AND WITHIN THE CRITICAL WATER QUALITY ZONE? ..... ☐ YES\*\*\* ☒ NO

**\*\*\*If yes, then riparian restoration is required by LDC 25-8-261(E) or City Code 30-5-261(E) and a functional assessment must be completed and attached to the ERI (see ECM 1.5 and Appendix X for forms and guidance).**

8. There is a total of 2 (#s) Critical Environmental Feature(s)(CEFs) on or within 150 feet of the project site. If CEF(s) are present, attach a detailed **DESCRIPTION** of the CEF(s), color **PHOTOGRAPHS**, the **CEF WORKSHEET** and provide **DESCRIPTIONS** of the proposed CEF buffer(s) and/or wetland mitigation. Provide the number of each type of CEFs on or within 150 feet of the site (Please provide the number of CEFs):

\_\_\_\_\_ (#'s) Spring(s)/Seep(s)      \_\_\_\_\_ (#'s) Point Recharge Feature(s)      \_\_\_\_\_ (#'s) Bluff(s)  
 \_\_\_\_\_ (#'s) Canyon Rimrock(s)      2 (#'s) Wetland(s)

**Note: Standard buffers for CEFs are 150 feet, with a maximum of 300 feet for point recharge features. Except for wetlands, if the standard buffer is not provided, you must provide a written request for an administrative variance from LDC 25-8-281(C)(1) and provide written findings of fact to support your request. Request forms for administrative variances from requirements stated in LDC 25-8-281 are available from Watershed Protection Department.**

9. The following site maps are attached at the end of this report (Check all that apply and provide):

All ERI reports must include:

- ☒ **Site Specific Geologic Map with 2-ft Topography**
- ☒ **Historic Aerial Photo of the Site**
- ☒ **Site Soil Map**
- ☒ **Critical Environmental Features and Well Location Map on current Aerial Photo with 2-ft Topography**

Only if present on site (Maps can be combined):

- ☐ **Edwards Aquifer Recharge Zone with the 1500-ft Verification Zone**  
(Only if site is over or within 1500 feet the recharge zone)
- ☐ **Edwards Aquifer Contributing Zone**
- ☒ **Water Quality Transition Zone (WQTZ)**
- ☒ **Critical Water Quality Zone (CWQZ)**
- ☒ **City of Austin Fully Developed Floodplains for all water courses with up to 64-acres of drainage**

10. **HYDROGEOLOGIC REPORT** – Provide a description of site soils, topography, and site specific geology below (Attach additional sheets if needed):

**Surface Soils** on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups\*. If there is more than one soil unit on the project site, show each soil unit on the site soils map.

Soil Series Unit Names, Infiltration Characteristics & Thickness		
Soil Series Unit Name & Subgroup**	Group*	Thickness (feet)
Altoga Series - AgC2	B	0 to 2.00
Lewisville Series - LcA	B	0 to 2.42
Lewisville Series - LcB	B	0 to 2.42
Mixed Alluvial Land	D	0 to 3.67
Continued in Appendix A...		

**\*Soil Hydrologic Groups Definitions (Abbreviated)**

- A. Soils having a high infiltration rate when thoroughly wetted.
- B. Soils having a moderate infiltration rate when thoroughly wetted.
- C. Soils having a slow infiltration rate when thoroughly wetted.
- D. Soils having a very slow infiltration rate when thoroughly wetted.

\*\*Subgroup Classification – See Classification of Soil Series Table in County Soil Survey.

**Description of Site Topography and Drainage** *(Attach additional sheets if needed):*

This site is located within the Onion Creek Watershed. The site is not located within the Edwards Aquifer Recharge or Contributing Zones as mapped by the 1998 City of Austin Watershed Regulation Areas Map. Based on a review of the USGS Montopolis, Texas 7.5 minute topographic map, the site ranges from approximately 480 to 515 feet above mean sea level, with the site sloping toward the south. Onion Creek (mapped as perennial or ponded by solid blue shading) is located to the adjacent south of the site and a pond is indicated in the central portion of the site. No other potential surface waters are mapped on the site.

Continued in Appendix A...

**List surface geologic units below:**

Geologic Units Exposed at Surface		
Group	Formation	Member
Taylor	-	-

**Brief description of site geology** *(Attach additional sheets if needed):*

A review of existing literature shows that the site is entirely underlain by is underlain by the Taylor Group (Kta), which is typified as dark gray to green-gray, calcareous, montmorillonitic clay which is generally more calcareous in mid-portion of unit. The underlying formation is not known to form caves and voids suitable for usage by Terrestrial Karst Invertebrates (TKIs). No faults, fractures, caves, voids, or significant recharge features were observed during the field reconnaissance.

**Wells** – Identify all recorded and unrecorded wells on site (test holes, monitoring, water, oil, unplugged, capped and/or abandoned wells, etc.):

There are  $\frac{0}{0}$ (#) wells present on the project site and the locations are shown and labeled  
 $\frac{0}{-}$ (#s)The wells are not in use and have been properly abandoned.  
 $\frac{-}{-}$ (#s)The wells are not in use and will be properly abandoned.  
 $\frac{-}{0}$ (#s)The wells are in use and comply with 16 TAC Chapter 76.  
 There are  $\frac{0}{-}$ (#s) wells that are off-site and within 150 feet of this site.

# 11. THE VEGETATION REPORT – Provide the information requested below:

## Brief description of site plant communities *(Attach additional sheets if needed):*

The site is located within the Live Oak-Mesquite Savanna region of the Edwards Plateau physiographic province (Amos and Gehlbach, 1988). Dominant vegetation associated with this region includes Texas oak (*Quercus texana*), live oak (*Q. virginiana*), plateau live oak (*Q. fusiformis*), honey mesquite (*Prosopis glandulosa*), Indiangrass (*Sorghastrum nutans*), little bluestem (*Schizachyrium scoparium*), wild rye (*Elymus* sp.), and buffalograss (*Buchloë dactyloides*).

Continued in Appendix A...

There is woodland community on site ..... ☒ YES ☐ NO *(Check one).*

If yes, list the dominant species below:

Woodland species	
Common Name	Scientific Name
mesquite	<i>Prosopis glandulosa</i>
live oak	<i>Quercus virginiana</i>
cedar elm	<i>Ulmus crassifolia</i>
hackberry	<i>Celtis laevigata</i>
pecan	<i>Carya illinoensis</i>

There is grassland/prairie/savanna on site..... ☒ YES ☐ NO *(Check one).*

If yes, list the dominant species below:

Grassland/prairie/savanna species	
Common Name	Scientific Name
Texas wintergrass	<i>Nassella leucotricha</i>
bermudagrass	<i>Cynodon dactylon</i>
silver bluestem	<i>Lupinus texensis</i>
dewberry	<i>Rubus trivialis</i>

There is hydrophytic vegetation on site ..... ☒ YES ☐ NO *(Check one).*

If yes, list the dominant species in table below *(next page):*

Hydrophytic plant species		
Common Name	Scientific Name	Wetland Indicator Status
spikerush	Eleocharis sp.	FAC
bald cypress	Taxodium distichum	OBL
Emory's sedge	Carex emoryi	OBL
false indigo bush	Amorpha fruticosa	FACW
box elder	Acer negundo	FACW

A tree survey of all trees with a diameter of at least eight inches measured four and one-half feet above natural grade level has been completed on the site.

☐ YES ☒ NO (Check one).

**12. WASTEWATER REPORT** – Provide the information requested below.

Wastewater for the site will be treated by (Check of that Apply):

- ☐ On-site system(s)  
☒ City of Austin Centralized sewage collection system  
☐ Other Centralized collection system

*Note: All sites that receive water or wastewater service from the Austin Water Utility must comply with City Code Chapter 15-12 and wells must be registered with the City of Austin*

The site sewage collection system is designed and will be constructed to in accordance to all State, County and City standard specifications.

☒ YES ☐ NO (Check one).

Calculations of the size of the drainfield or wastewater irrigation area(s) are attached at the end of this report or shown on the site plan.

☐ YES ☐ NO ☒ Not Applicable (Check one).

Wastewater lines are proposed within the Critical Water Quality Zone?

☐ YES ☒ NO (Check one). If yes, then provide justification below:



Is the project site is over the Edwards Aquifer?

☐ YES ☒ NO (Check one).

If yes, then describe the wastewater disposal systems proposed for the site, its treatment level and effects on receiving watercourses or the Edwards Aquifer.

**13. One (1) hard copy and one (1) electronic copy of the completed assessment have been provided.**

Date(s) ERI Field Assessment was performed: April 8, 2016  
Date(s)

My signature certifies that to the best of my knowledge, the responses on this form accurately reflect all information requested.

Arthur D. Potts

(512) 442-1122

Print Name

Telephone

Potts, Arthur D

Digitally signed by Potts, Arthur D  
DN: cn=Potts, Arthur D, ou=General Users,  
email=Arthur.Potts@terracon.com  
Date: 2016.04.11 13:32:09 -05'00'

arthur.potts@terracon.com

Signature

Email Address

Terracon Consultants, Inc.

April 11, 2016

Name of Company

Date

For project sites within the Edwards Aquifer Recharge Zone, my signature and seal also certifies that I am a licensed Professional Geoscientist in the State of Texas as defined by ECM 1.12.3(A).

P.G.  
Seal

## City of Austin Environmental Resource Inventory - Critical Environmental Feature Worksheet

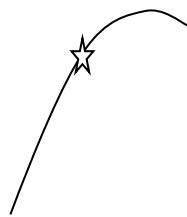
1	Project Name:	~95 Acre Site - Burleson Road
2	Project Address:	8219 Burleson Road
3	Site Visit Date:	April 8, 2016
4	Environmental Resource Inventory Date:	April 11, 2016

5	Primary Contact Name:	Arthur D. Potts
6	Phone Number:	(512) 442-1122
7	Prepared By:	Arthur D. Potts
8	Email Address:	arthur.potts@terracon.com

9	FEATURE TYPE {Wetland,Rimrock, Bluffs,Recharge Feature,Spring}	FEATURE ID (eg S-1)	FEATURE LONGITUDE (WGS 1984 in Meters)		FEATURE LATITUDE (WGS 1984 in Meters)		WETLAND DIMENSIONS (ft)		RIMROCK/BLUFF DIMENSIONS (ft)		RECHARGE FEATURE DIMENSIONS				Springs Est. Discharge cfs
			<i>coordinate</i>	<i>notation</i>	<i>coordinate</i>	<i>notation</i>	X	Y	Length	Avg Height	X	Y	Z	Trend	
	Wetland	W-1	30.179932	N	-97.695233	W	175	2700							
	Wetland	W-2	30.181285	N	-97.696307	W	155	165							

City of Austin Use Only CASE NUMBER:	
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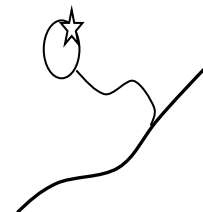
For rimrock, locate the midpoint of the segment that describes the feature.



For wetlands, locate the approximate centroid of the feature and the estimated area.



For a spring or seep, locate the source of groundwater that feeds a pool or stream.



Please state the method of coordinate data collection and the approximate precision and accuracy of the points and the unit of measurement.

Method

Accuracy

GPS ☐ sub-meter ☐

Surveyed ☐ meter ☐

Other ☐ > 1 meter ☐

Professional Geologists apply seal below

**APPENDIX A**  
**ADDITIONAL DISCUSSION**

**Description of Site Surface Soils *Continued...***

- Patrick Series – PaE: Group B; Depth: 0 to 1.83 feet
- Gravel Pits: An area mapped as Gravel Pits (GP) is mapped in the southeastern portion of the site.

**Description of Site Topography and Drainage *Continued...***

According to the National Wetland Inventory (NWI) map (prepared by the United States Fish and Wildlife Service [USFWS]), two wetlands classified as a riverine – lower perennial – unconsolidated shore – temporarily flooded (R2USA) are mapped within the Onion Creek channel to adjacent south. No other potential wetlands were indicated in the site vicinity.

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) indicates that the southern portion of the site is mapped as Zone AE (areas within the floodway), Zone A (areas within the 100-year floodplain), and as Zone X-shaded (areas within the 500-year floodplain). The eastern portion of the site is mapped as Zone X-shaded, while the remaining areas of the site are mapped as Zone X-unshaded (areas outside of the 100- or 500-year floodplain).

Review of historical aerials indicates that gravel pits appear to have operated on the southern portion of the site in the past, and a quarry was observed to the adjoining southwestern during the field investigation. Ponding was observed in this area during the site investigation; however, due to steep gradients, field delineation was not feasible. The ponding area is identified as W-2 on Exhibit 2 in Appendix B.

Additionally, Onion Creek was observed along the southern site boundary. The stream was flowing at the time of the investigation, and due to steep gradient, water depth, and abundant vegetation, the stream was unable to be fully delineated. Onion Creek is identified as W-1 on Exhibit 2 in Appendix B. The pond mapped on the USGS topographic map in the central portion of the site was not observed during the site investigation. It appears that the pond may have been previously filled in.

**Description of Site Plant Communities *Continued...***

Common species include Indiangrass (*Sorghastrum nutans*), little bluestem (*Schizachyrium scoparium*), and tall dropseed (*Sporobolus asper*).

The TPWD's Vegetation Types of Texas maps the site within the "Other Native and/or Introduced Grasses". This vegetation type is described as being a mix of native or introduced grasses and forbs on grassland sites or mixed herbaceous communities resulting from the clearing of woody vegetation. This vegetation type is also associated with the clearing of forests and may portray early stages of "Young Forest" vegetation type.

Dominant species observed on the site included mesquite (*Prosopis glandulosa*), live oak (*Quercus virginiana*), hackberry (*Celtis laevigata*), pecan (*Carya illinoensis*), Texas

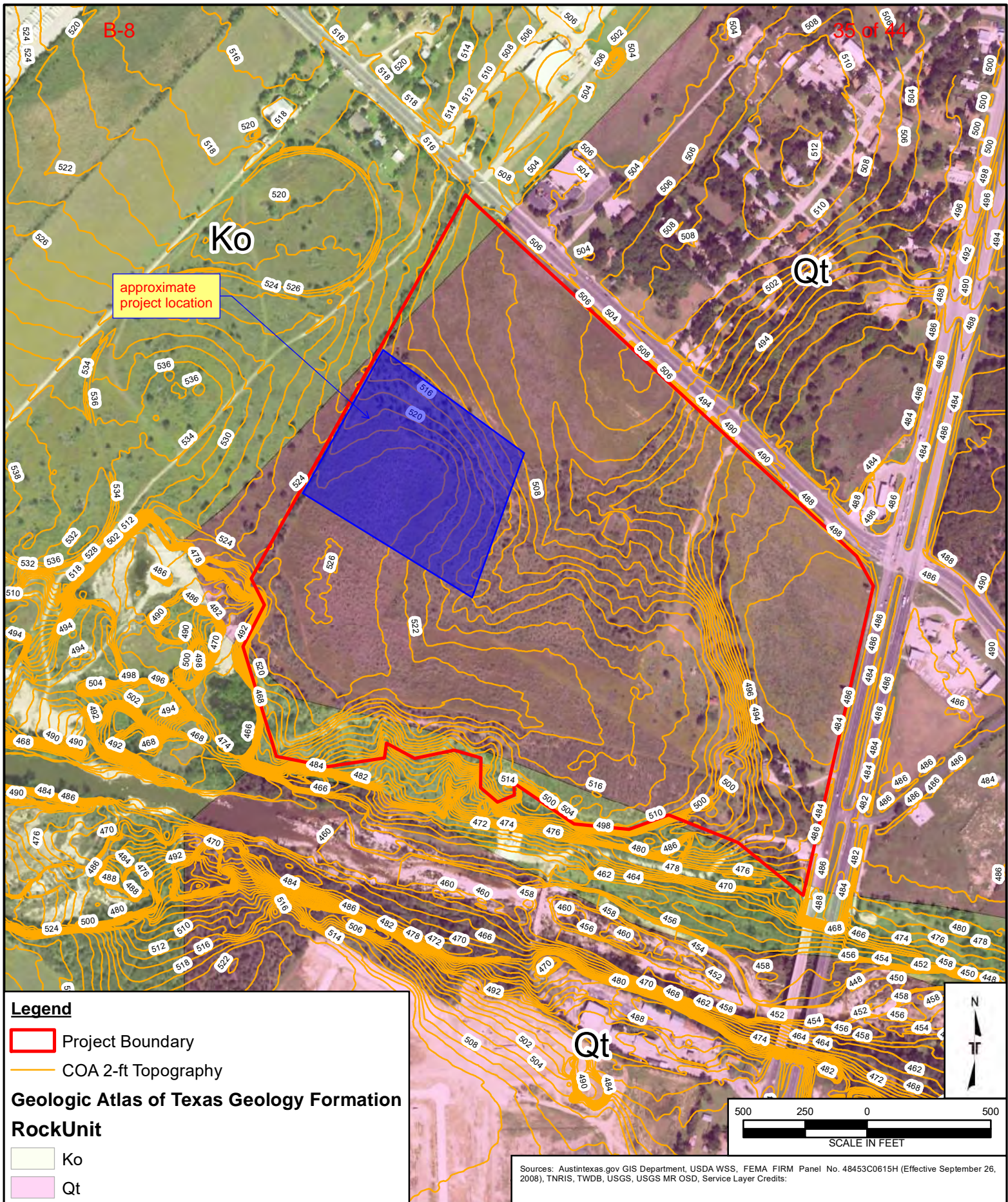
wintergrass (*Nassella leucotricha*), and bermudagrass (*Cynodon dactylon*), and bluebonnet (*Lupinus texensis*).

Additionally, hydrophytic vegetation was observed along the corridor of Onion Creek. Dominant species included bald cypress (*Taxodium distichum* - OBL), Emory's sedge (*Carex emoryi* - OBL), false indigo bush (*Amorpha fruticosa* - FACW), box elder (*Acer negundo* - FACW), and spikerush (*Eleocharis sp.* - FACW).

## **APPENDIX B**

### **EXHIBITS**





Project Mngr:	AP	Project No:	96167242
Drawn By:	JC	Scale:	AS SHOWN
Checked By:	JC	File No.:	96167242
Approved By:	HJ	Date:	Apr. 6, 2016

**Terracon**  
 Consulting Engineers & Scientists  
 5307 INDUSTRIAL OAKS BLVD. - #160 AUSTIN, TX 78735  
 PH. (512) 442-1122 FAX. (512) 442-1181

Site Specific Geologic Map with 2-ft Topography

~95 Acre Tract – Burleson Road  
 8219 Burleson Road  
 Austin, Travis County, Texas

EXHIBIT

1



approximate  
project location

W-2

W-1

### Legend

- Project Boundary
- Critical Envirometnal Feature W-1
- Critical Envirometnal Feature W-2



Sources: Austintexas.gov GIS Department, USDA WSS, FEMA FIRM Panel No. 48453C0615H (Effective September 26, 2008), TNRI, TWDB, USGS, USGS MR OSD, Service Layer Credits:

Project Mngr:	AP	Project No.	96167242
Drawn By:	JC	Scale:	AS SHOWN
Checked By:	JC	File No.:	96167242
Approved By:	HJ	Date:	Apr. 6, 2016

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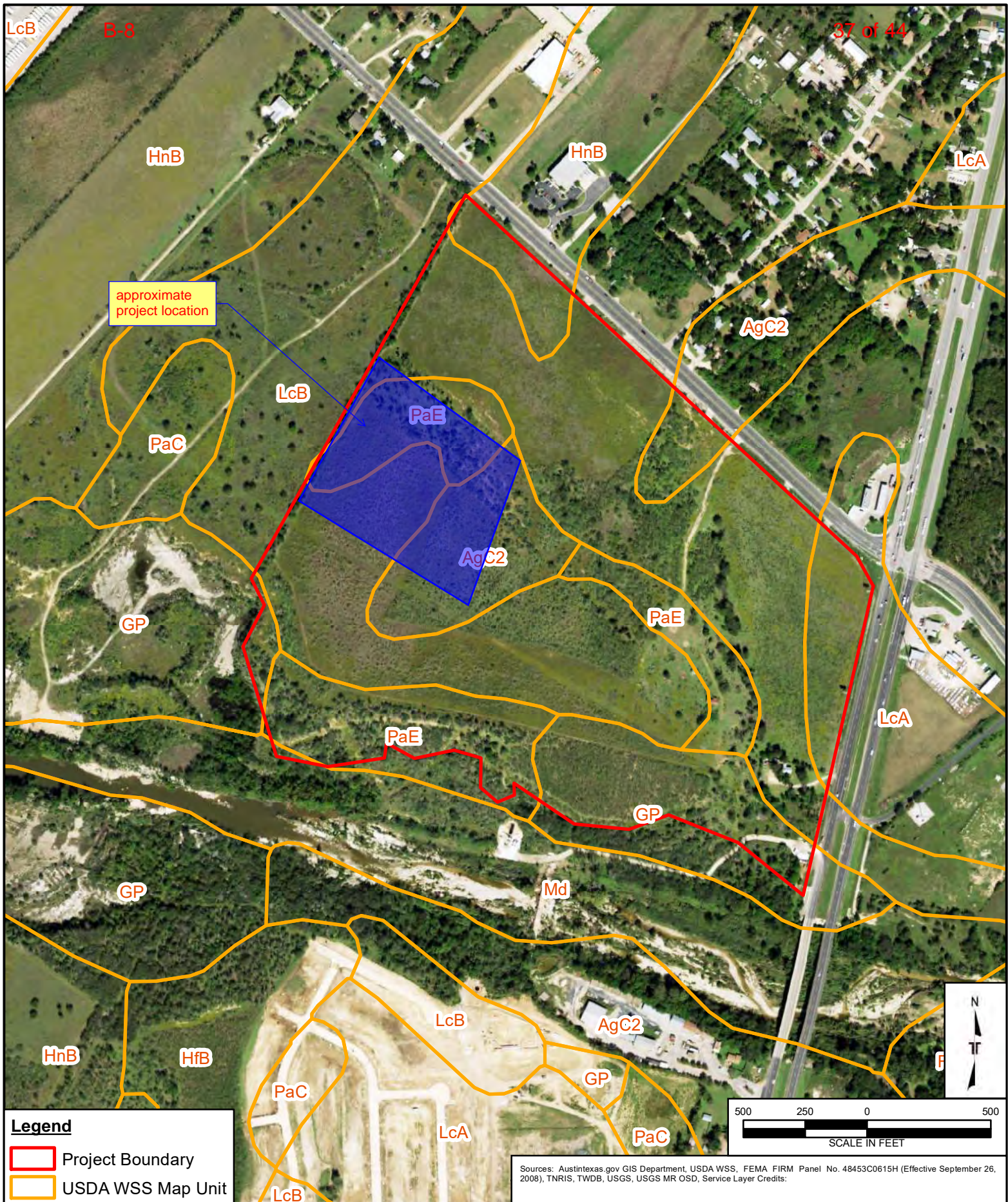
Site 2014 Historic Aerial Photo and CEFs

~95 Acre Tract – Burleson Road  
8219 Burleson Road  
Austin, Travis County, Texas

EXHIBIT

2





**Legend**

Project Boundary

USDA WSS Map Unit

Sources: Austintexas.gov GIS Department, USDA WSS, FEMA FIRM Panel No. 48453C0615H (Effective September 26, 2008), TNRIIS, TWDB, USGS, USGS MR OSD, Service Layer Credits:

Project Mngr:	AP	Project No:	96167242
Drawn By:	JC	Scale:	AS SHOWN
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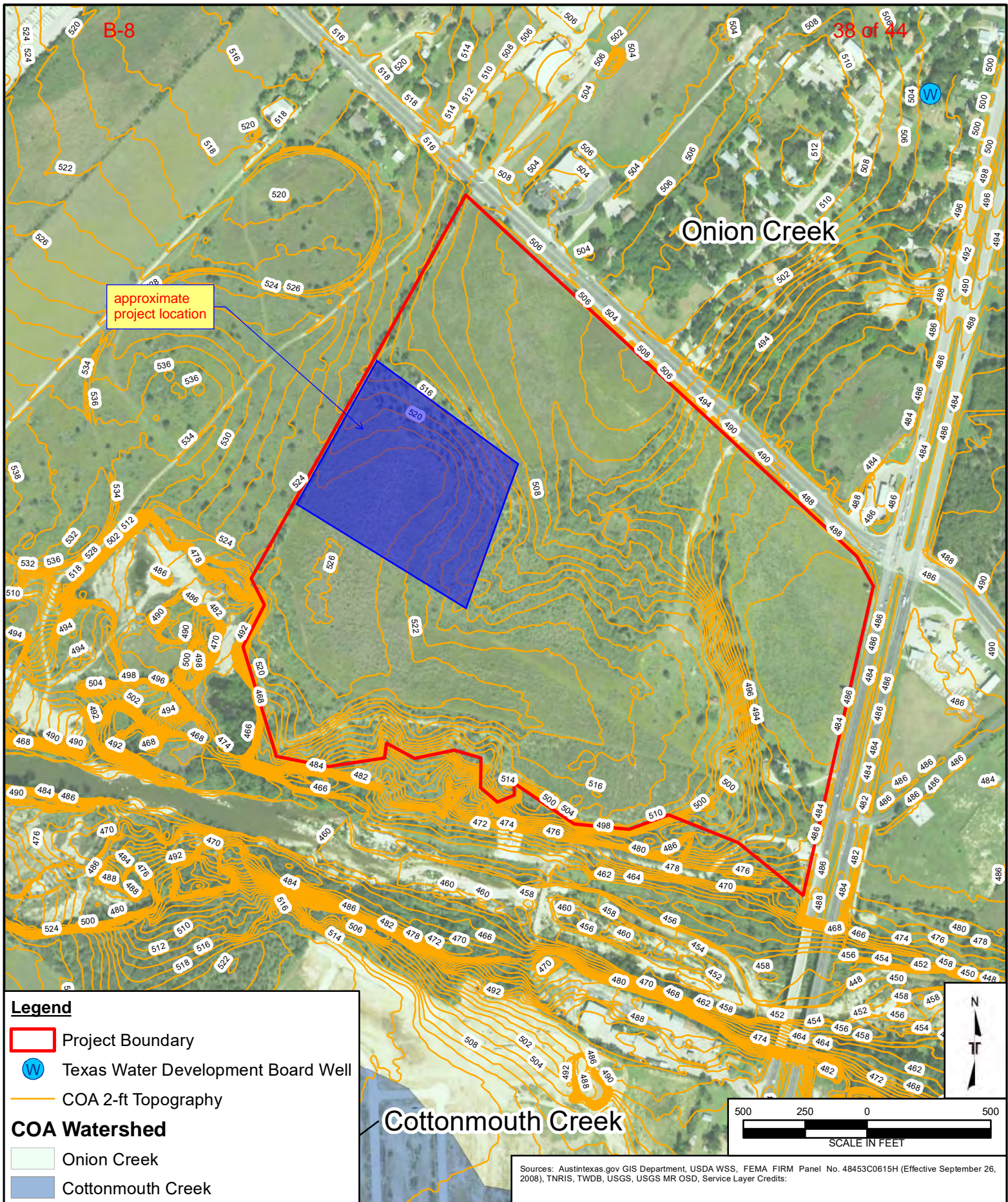
**Site Soil Map**

~95 Acre Tract – Burleson Road  
 8219 Burleson Road  
 Austin, Travis County, Texas

EXHIBIT

3





Project Mngr:	AP	Project No:	96167242
Drawn By:	JC	Scale:	AS SHOWN
Checked By:	JC	File No.:	96167242
Approved By:	HJ	Date:	Apr. 6, 2016

**Terracon**  
Consulting Engineers & Scientists  
5307 INDUSTRIAL OAKS BLVD. - #160 AUSTIN, TX 78735  
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Two Foot Topography and Wells  
~95 Acre Tract – Burleson Road  
8219 Burleson Road  
Austin, Travis County, Texas

EXHIBIT  
4



approximate  
project location

X

C

AE

AE

AE

X

C

### Legend

Project Boundary

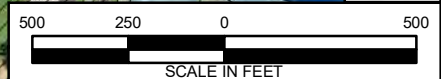
### FEMA Floodplain Zone

Floodway

100 Year

500 Year

X



Sources: Austintexas.gov GIS Department, USDA WSS, FEMA FIRM Panel No. 48453C0615H (Effective September 26, 2008), TNRIIS, TWDB, USGS, USGS MR OSD, Service Layer Credits:

Project Mngnr:	AP	Project No:	96167242
Drawn By:	JC	Scale:	AS SHOWN
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**Terracon**  
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5307 INDUSTRIAL OAKS BLVD. - #160 AUSTIN, TX 78735  
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### FEMA Floodplain Map

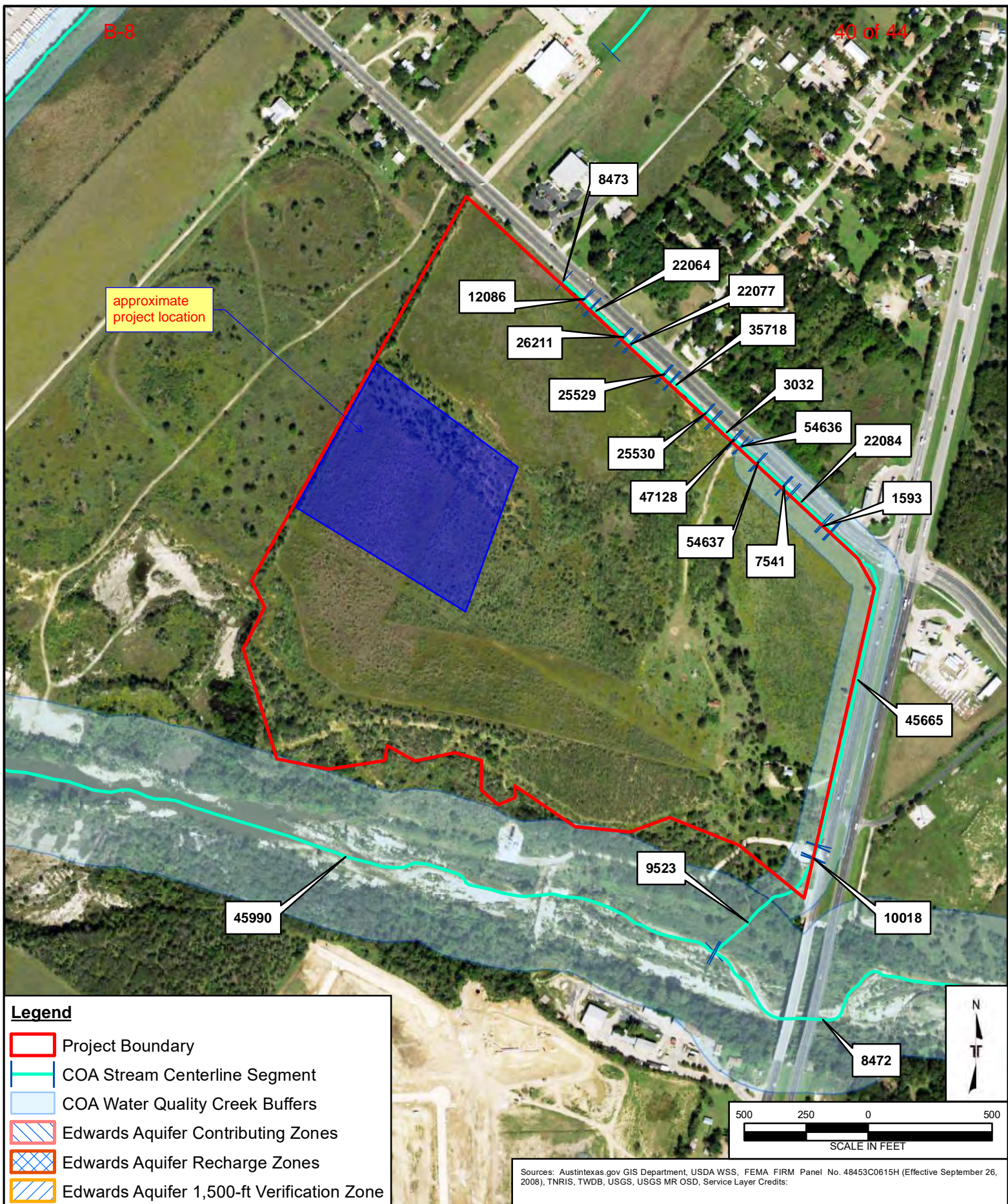
~95 Acre Tract – Burleson Road  
8219 Burleson Road  
Austin, Travis County, Texas

EXHIBIT

5



approximate  
project location



Project Mngr:	AP	Project No.	96167242
Drawn By:	JC	Scale:	AS SHOWN
Checked By:	JC	File No.:	96167242
Approved By:	HJ	Date:	Apr. 6, 2016

**Terracon**  
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Water Quality Zones	EXHIBIT
~95 Acre Tract – Burleson Road 8219 Burleson Road Austin, Travis County, Texas	6

**APPENDIX C**  
**SITE PHOTOGRAPHS**





**Photo 1** Typical site view



**Photo 2** Typical site view





**Photo 3** Onion Creek to the adjacent south (W-1)



**Photo 4** View toward ponded area in former quarry (W-2)

The City of Austin (COA) Environmental Resource Inventory (ERI) was performed in accordance with generally accepted scientific and engineering evaluation practices of this profession undertaken in similar studies at the same time and in the same geographical area. The limitations of this ERI should be recognized.

In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. The scope of this ERI was conducted in general accordance with the City of Austin's Land Development Code (LDC), Section 25-8-121 (A), and the City of Austin Title 30-5. The service's scope is not intended to be compliant or consistent with the State of Texas Edwards Aquifer Rule (30 TAC 213, Subchapter B; pertaining to Travis County, Texas) or the Texas Commission on Environmental Quality (TCEQ) Edwards Aquifer Protection Program.

Field identification of Critical Environmental Features (CEFs) as defined by the COA can be seasonally influenced. Due to seasonal changes, Terracon cannot guarantee areas to exhibit or not to exhibit CEF characteristics at all times of the year.

CEF wetlands were evaluated using the USACE 1987 Manual and Great Plains Regional Supplement. The manuals provide assistance for identifying wetlands based on the three criteria discussed. However, the manuals alone may not have provided enough information to document whether or not the three criteria were met. Various physical properties or other visual signs used to evaluate whether the three wetland identification criteria areas were satisfied may not be straightforward, especially in disturbed or problem areas. The manuals also allow the user to visually estimate certain indicators, such as the percentage of area covered by dominant species for the entire community. Terracon did not attempt to identify every possible plant species and did not classify soil types by laboratory methods.

This report is for the exclusive use of the client and any relying government entities for the project being discussed. No warranties, either expressed or implied, are intended or made.