#### Exhibit J- Proposed Plant List for Reclamation in Open Space Areas

As shown on *Exhibit I-Proposed Reclamation Guidelines*, the existing reclamation standards of the existing permits specify the application of basic plant species seed mix. The proposed plant list is more comprehensive and complex. Even the City's *Grow Green Guide* includes plants that are more suited to the arid Hill Country than the moist Bottomland Hardwoods. The following lists are tailored to the individual ecological habitats onsite to promote and enhance their natural characteristics and ecological function.

#### **BLACKLAND PRAIRIE LANDSCAPE - BLACKLAND PRAIRIE PLANT LIST**

Seed application rate: 10 pounds per acre (Source of application rate: Native American Seed Company).

Scientific Name	Common Name
Agalinis heterophylla	Prairie Agalinis
Andropogon gerardii	Big Bluestem
Andropogon virginicus	Broomsedge Bluestem
Asclepias incarnata	Rose Milkweed
Asclepias speciosa	Showy Milkweed
Asclepias tuberosa	Butterflyweed
Bothriochloa barbinodis	Cane Bluestem
Bouteloua curtipendula	Sideoats Grama
Buchloe dactyloides	Buffalograss
Callirhoe involucrata	Winecup
Callirhoe leiocarpa	Annual Winecup
Centaurea americana	American Basketflower
Chamaecrista fasciculata	Partridge Pea
Chasmanthium latifolum	Inland Seaoats
Chloris cucullata	Hooded Windmill Grass
Dalea purpurea var. purpurea	Purple Prairie Clover
Desmanthus illinoensis	Illinois Bundleflower
Dracopis amplexicaulis	Clasping Coneflower
Elymus canadensis	Prairie Wildrye
Elymus virginicus	Virginia Wildrye
Engelmannia peristenia	Cutleaf Daisy
Eragrostis trichodes	Sand Lovegrass
Eriochloa sericea	Texas Cupgrass

Scientific Name	Common Name
Eryngium yuccifolium	Rattlesnake Master
Gaillardia pulchella	Indian Blanket
Glandularia bipinnatifida var. bipinnatifida	Prairie Verbena
Helianthus annuus	Maximilian Sunflower
Ipomopsis rubra	Standing Cypress
Leptochloa dubia	Green Sprangletop
Lindheimeri texana	Texas Yellow Star
Monarda citridora	Lemon Mint
Panicum virgatum	Switchgrass
Paspalum floridanum	Florida Paspalum
Penstemon cobaea	Foxglove
Plains Bristlegrass	Plains Bristlegrass
Plains Coreopsis	Plains Coreopsis
Rudbeckia hirta	Black-eyed Susan
Salvia farinacea	Mealy Blue Sage
Schizachyrium scoparium	Little Bluestem
Silphium albiflorum	White Rosinweed
Sorghastrum nutans	Indiangrass
Sporobolus cryptandrus	Sand Dropseed
Triden albescens	White Tridens
Tridens flavus	Purpletop
Tripsacum dactyloides	Eastern Gamagrass

Exhibit J: Proposed Plant List for reclamation in Open Spaces Areas

#### **Exhibit J- Proposed Plant List for Reclamation in Open Space Areas**

#### **BLACKLAND PRAIRIE LANDSCAPE - RIPARIAN RECOVERY PLANT LIST**

Seed application rate: 9 pounds per acre (Source of application rate: Native American Seed Company).

Scientific Name	Common Name
Andropogon gerardii	Big Bluestem
Andropogon glomeratus	Bushy Bluestem
Asclepias incarnata	Rose Milkweed
Bothriochloa barbinodis	Cane Bluestem
Bouteloua curtipendula	Sideoats Grama
Chamaecrista fasciculata	Partridge Pea
Chasmanthium latifolum	Inland Seaoats
Coreopsis tinctoria	Plains Coreopsis
Desmanthus illinoensis	Illinois Bundleflower
Dracopis amplexicaulis	Clasping Coneflower
Elymus canadensis	Prairie Wildrye
Elymus virginicus	Virginia Wildrye
Engelmannia peristenia	Cutleaf Daisy
Eriochloa sericea	Texas Cupgrass
Helianthus angustifolius	Swamp Sunflower
Helianthus maximiliani	Maximilian Sunflower
Iva annua	Marsh Elder

Scientific Name	Common Name
Leptochloa dubia	Green Sprangletop
Lobelia cardinalis	Cardinal Flower
Monarda citridora	Lemon Mint
Oenothera speciosa	Pink Evening Primrose
Panicum virgatum	Switchgrass
Paspalum floridanum	Florida Paspalum
Rudbeckia hirta	Black-Eyed Susan
Salvia coccinea	Scarlet Sage
Setaria scheelei	Southwestern Bristlegrass
Setaria vulpiseta	Plains Bristlegrass
Sorghastrum nutans	Indiangrass
Sporobolus airoides	Alkali Sacaton
Sporobolus cryptandrus	Sand Dropseed
Triden albescens	White Tridens
Tripsacum dactyloides	Eastern Gamagrass
Verbesina virginica	Frostweed

#### TRANSITIONAL SAVANNA LANDSCAPE

Scientific Name	Common Name
Acer negundo	Box Elder
Carya illinoinensis	Pecan
Celtis laevigata	Sugar Hackberry
Celtis reticulate	Netleaf Hackberry
Fraxinus pennsylvanica	Green Ash
Juglans microcarpa	Little walnut
Juglans nigra	Black Walnut
Juniperus virginiana	Eastern red cedar
Maclura ponifera	Bois d'Arc
Platanus occidentalis	American Sycamore

Scientific Name	Common Name		
Populus deltoides	Eastern Cottonwood		
Quercus fusiformis	Live oak		
Quercus macrocarpa	Bur Oak		
Quercus shumardii	Shumard Oak		
Quercus stellate	Post oak		
Salix nigra	Black Willow		
Taxodium distichum	Bald Cypress		
Ulmus americana	American Elm		
Ulmus crassifolia	Cedar Elm		
Ungnadia speciosa	Mexican Buckeye		

#### Exhibit J- Proposed Plant List for Reclamation in Open Space Areas

#### **BOTTOMLAND HARDWOOD LANDSCAPE**

Scientific Name	Common Name
Acer negundo	Box Elder
Aesculus pavia	Red Buckeye
Baccharis salicina	Willow Baccharis
Carya illinoinensis	Pecan
Celtis laevigata	Sugar Hackberry
Celtis reticulate	Netleaf Hackberry
Cephalanthus occidentalis	Buttonbush
Fraxinus pennsylvanica	Green Ash
Ilex decidua	Possumhaw
Juglans microcarpa	Little walnut
Juglans nigra	Black Walnut
Juniperus virginiana	Eastern red cedar
Maclura ponifera	Bois d'Arc

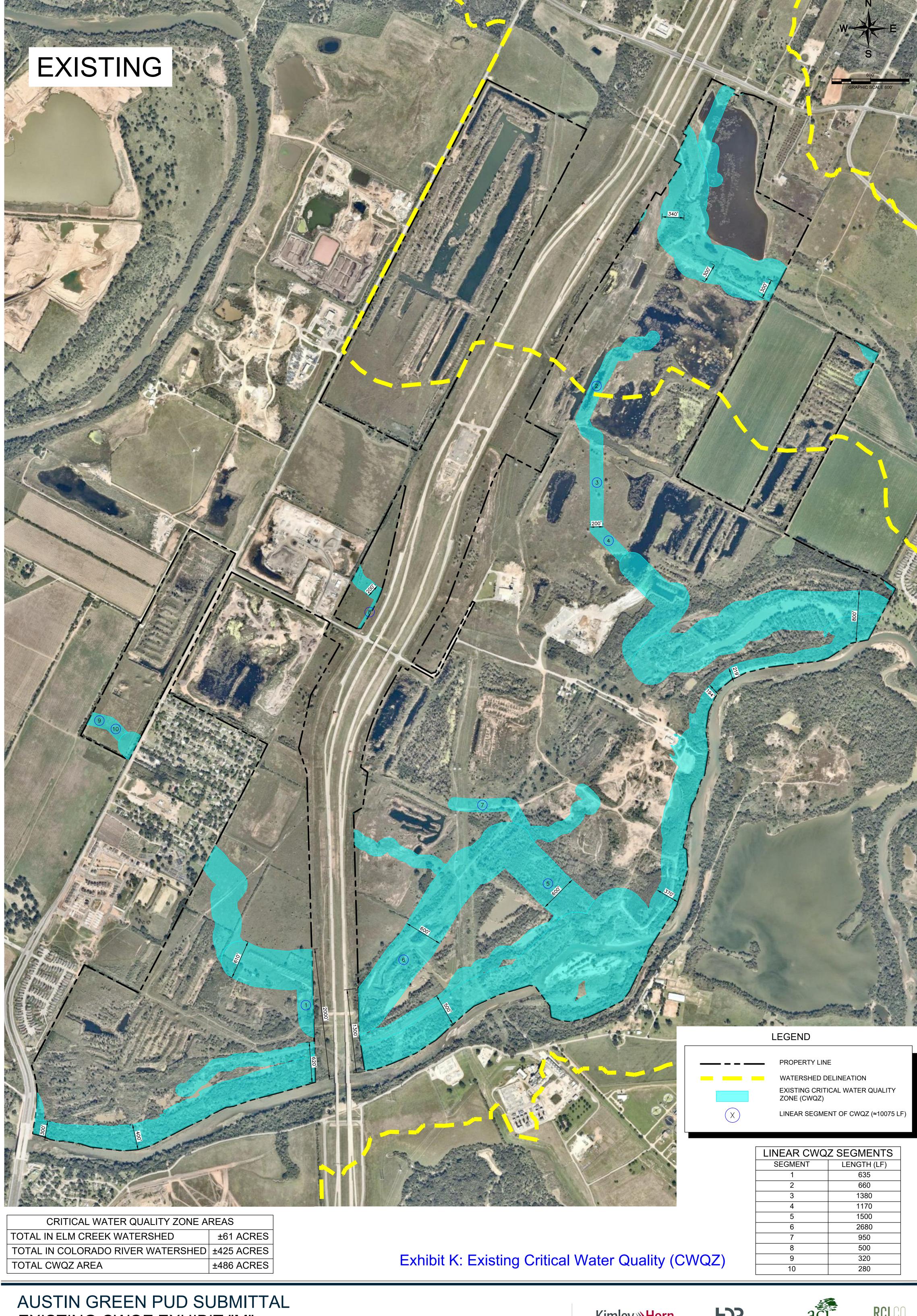
Scientific Name	Common Name		
Morella cerifera	Wax Myrtle		
Platanus occidentalis	American Sycamore		
Populus deltoides	Eastern Cottonwood		
Quercus fusiformis	Live oak		
Quercus macrocarpa	Bur Oak		
Quercus shumardii	Shumard Oak		
Quercus stellate	Post oak		
Sabal minor	Dwarf Palmetto		
Salix nigra	Black Willow		
Taxodium distichum	Bald Cypress		
Ulmus americana	American Elm		
Ulmus crassifolia	Cedar Elm		
Ungnadia speciosa	Mexican Buckeye		

#### **WETLAND PLANTS**

Seed application rate: 20 pounds per acre (Source of application rate: Native American Seed Company). Within the inundated areas of wetland benches, herbaceous planting will include individual plants from *Exhibit J-Proposed Plant List for Reclamation in Open Spaces Areas* and will be planted at 680 plants/acre. The inundated wetland benches will not include woody plantings. The wetland herbaceous plantings will be monitored to a success criteria for years 1 and 2. During year 1, wetland vegetation will include a minimum of 50% aerial cover of the wetland bench (not open water). During year 2, wetland vegetation will include a minimum of 80% aerial cover of the wetland bench (not open water). Wetland plantings densities from professional experience on USACE-approved wetland banks in North Carolina and survival percentages adapted from "Performance Standards and Monitoring Protocols for Nontidal Wetland Mitigation Banks in Maryland" (USACE 2015).

Scientific Name	Common Name
Saururus cerenuus	Lizards Tail (FACW)
Amorpha fruticose	Swamp Milkweed (FACW)
Andropogon glomeratus	Bushy bluestem (FACW)
Asclepias incarnata	Swamp milkweed (FACW)
Carex cherokeensis	Cherokee sedge (FACW)
Carya illinoinensis	Pecan (FAC)
Cephalanthus occidentalis	Buttonbush (OBL)
Chasmanthium latifolium	Indian woodoats (FACU)
Chasmanthium laxum	Slender woodoats (FAC)
Ilex decidua	Deciduous holly (FAC)
Muhlenbergia lindheimeri	Lindheimer's muhly (FACW)
Muhlenbergia rigens	Deergrass (FACU)

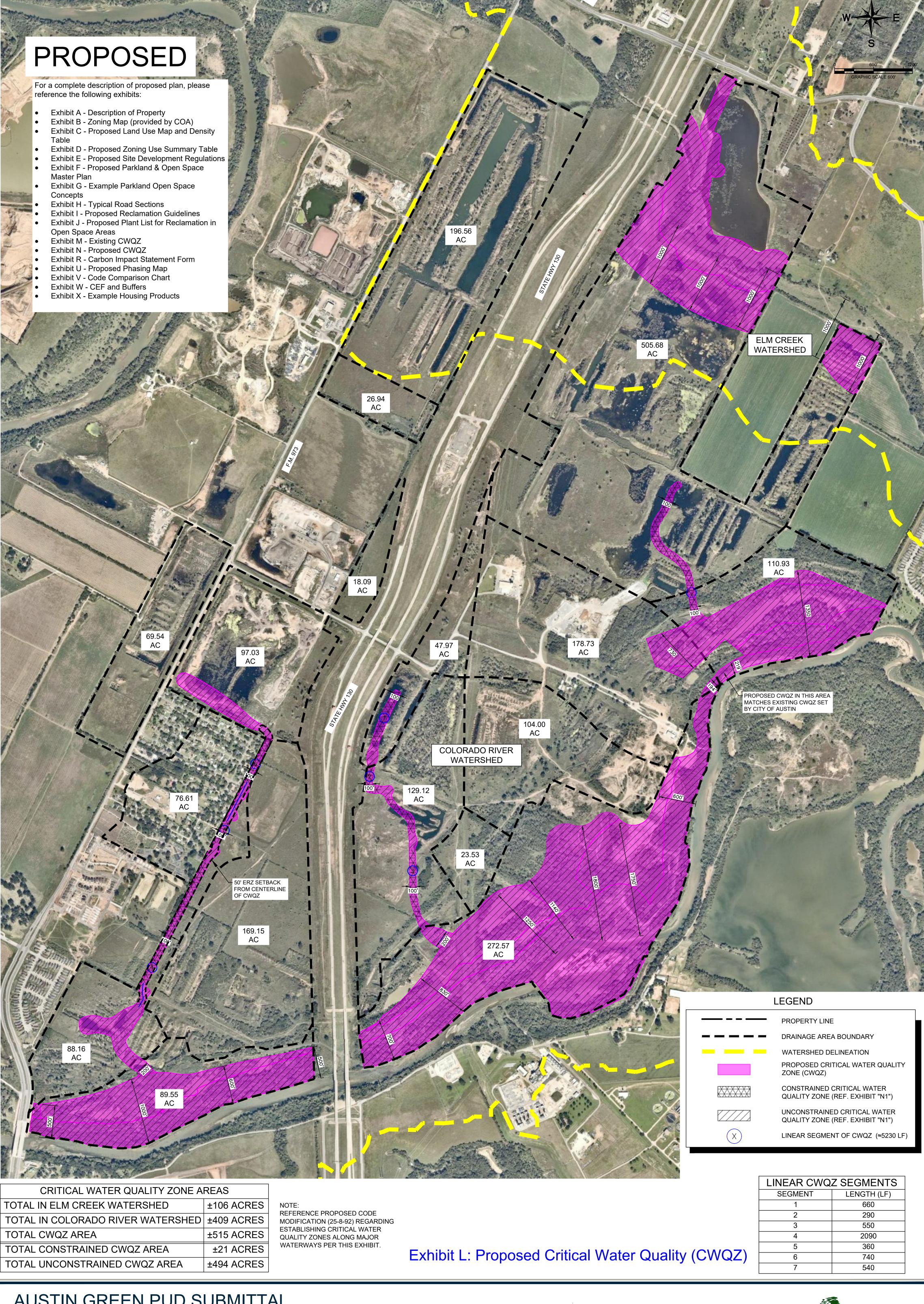
Scientific Name	Common Name
Panicum virgatum	Switchgrass (FAC)
Platanus occidentalis	American sycamore (FAC)
Populus deltoides	Eastern cottonwood (FAC)
Quercus macrocarpa	Bur oak (FACU)
Quercus muehlenbergii	Chinquapin oak (FAC)
Ranunculus abortivus	Littleleaf buttercup (FACW)
Sagittaria latifolia	Broadleaf arrowhead (OBL)
Salix nigra	Black willow (FACW)
Taxodium distichum	Bald Cypress (OBL)
Tripsacum dactyloides	Eastern gamagrass (FAC)











AUSTIN GREEN PUD SUBMITTAL PROPOSED CWQZ EXHIBIT "N" (SHEET 1 OF 2)
SUBMITTAL DATE: NOVEMBER 27, 2019

groundwork

Kimley » Horn 







# PROPOSED

For a complete description of proposed plan, please reference the following exhibits:

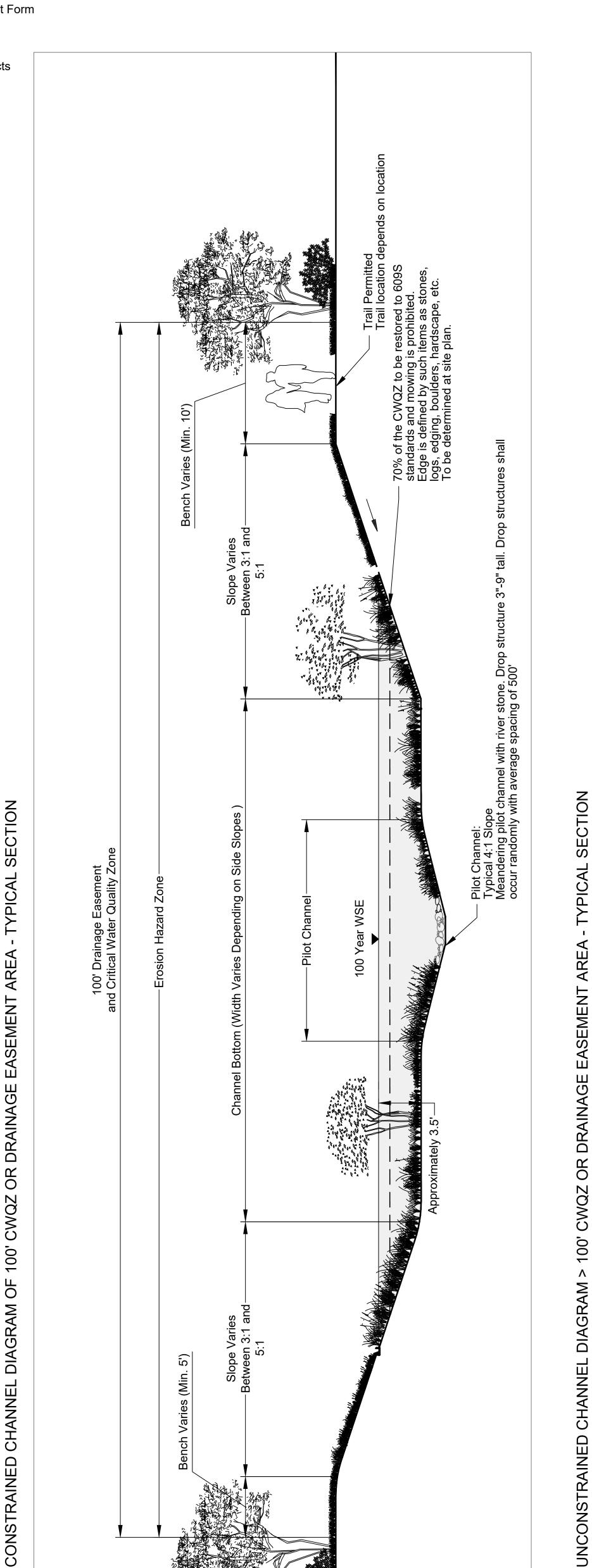
- Exhibit A Description of Property
- Exhibit B Zoning Map (provided by COA) Exhibit C - Proposed Land Use Map and Density Table
- Exhibit D Proposed Zoning Use Summary Table
- Exhibit E Proposed Site Development Regulations
- Exhibit F Proposed Parkland & Open Space
- Exhibit G Example Parkland Open Space
- Concepts
- Exhibit H Typical Road Sections
- Exhibit I Proposed Reclamation Guidelines Exhibit J - Proposed Plant List for Reclamation in
- Open Space Areas

Master Plan

- Exhibit M Existing CWQZ
- Exhibit N Proposed CWQZ
- Exhibit R Carbon Impact Statement Form
- Exhibit U Proposed Phasing Map Exhibit V - Code Comparison Chart
- Exhibit W CEF and Buffers
- Exhibit X Example Housing Products

#### **GENERAL NOTES:**

- Within 100-year WSE level, species to be from Riparian Recover mix and Blackland Prairie mix (see Exhibit J4-Proposed Plant List for Reclamation in Open Spaces Areas).
- In areas within the 100-year WSE, approximately 100' of the vegetation listed above will not be mowed.
- Vegetation varies outside of drainage easement.
- Where CEF buffers occur, no mowing allowed.
- If CWQZ is 200' or larger application rates in alignment with Exhibit I-Reclamation Standards for Open Space will apply. If CWQZ is less than 200' the application rates for 100% of the 100 year WSE will be applied.
- OS 4 shall be permitted to have up to 2 acres of mowed area as part of the village center park per Exhibit F-Proposed Parkland & Open Space Master Plan.



Bench Varies (Min. 10') Vegetation Bench (Width Varies), Slopes range from 2-20% 2% Min. 70% of the CWQZ to be restore standards and mowing is prohit Edge is defined by such items logs, edging, boulders, hardsca To be determined at site plan. Pilot Channel: Typical 4:1 Slope Meandering pilot channel with river stone. Drop structure 3"-9" tall. Drop structures shall occur randomly with average spacing of 500' Between 3:1 and 5:1 Slope Varies Drainage Easement (Width Varies) and Critical Water Quality Zone Meandering Channel Bottom (Width Varies Depending on Side Slopes) Pilot Channel Meanders Within the Channel Bottom (Width Varies) 100 Year WSE ▼ Bench Varies (Min. 5')

**AUSTIN GREEN PUD SUBMITTAL** PROPOSED CWQZ EXHIBIT "N" (SHEET 2 OF 2)
SUBMITTAL DATE: NOVEMBER 27, 2019

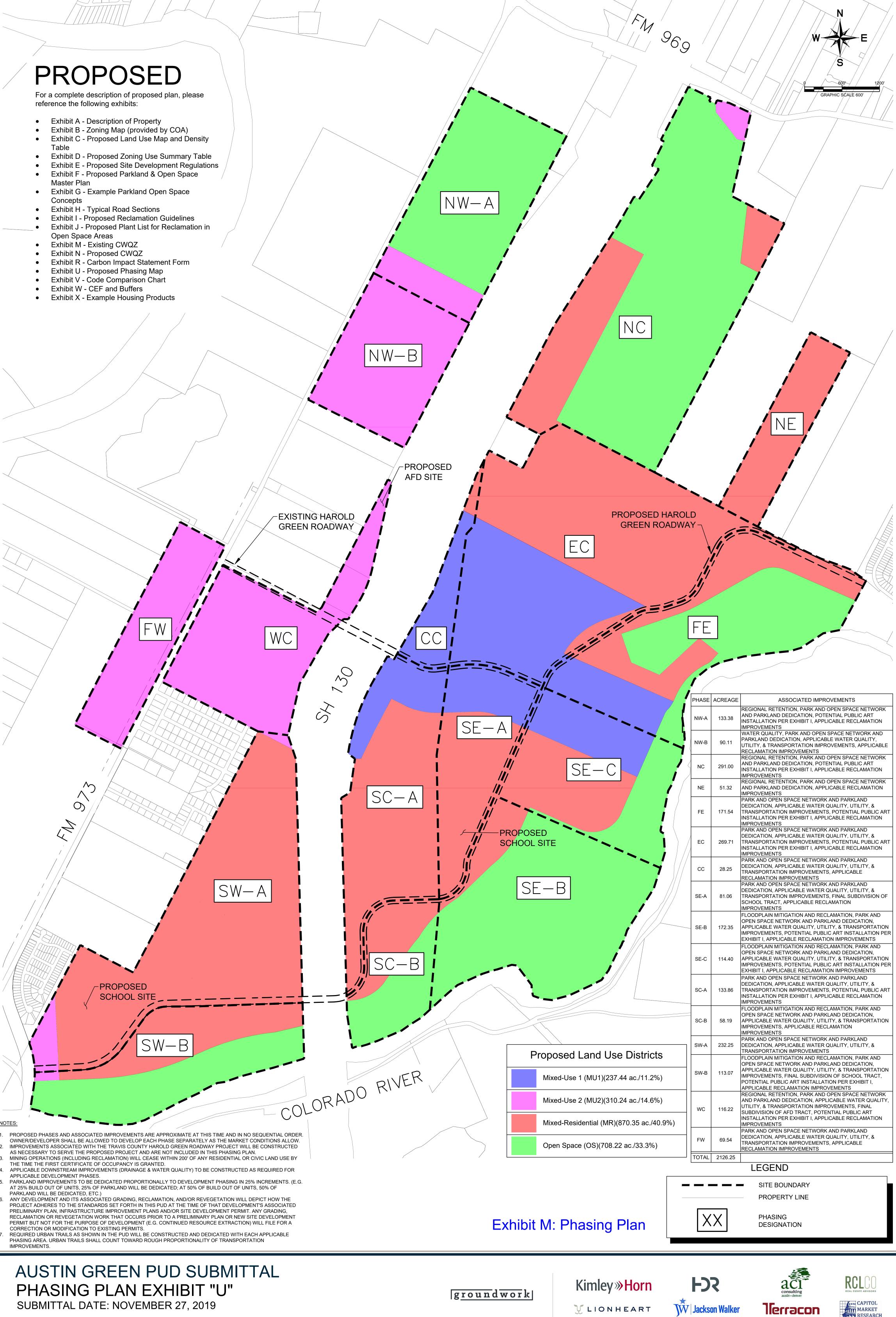
- TYPICAL SECTION













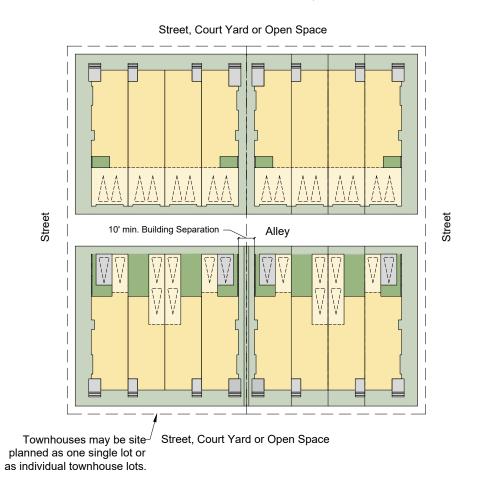
#### **Residential Detached - Common Courtyard**

# Street Alley

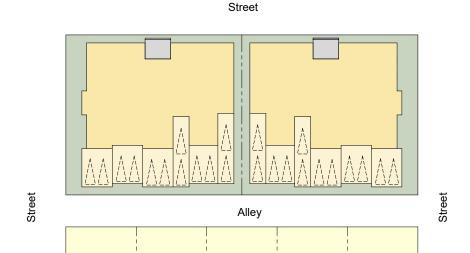
Street

20' min. courtyard

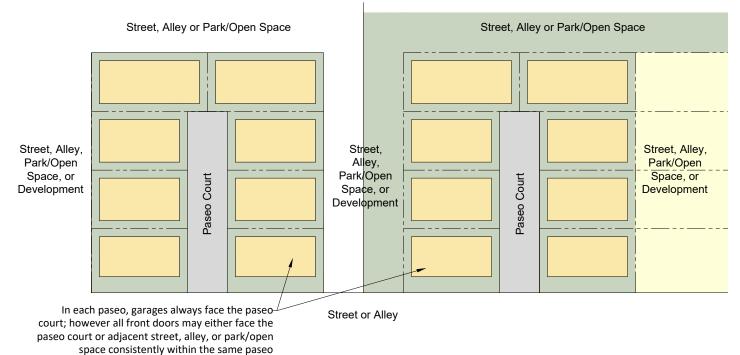
#### Residential Attached - Live/Work Unit, Townhouse



#### Residential Attached - Multi-Unit House (3 to 8 units)



#### **Residential Detached - Paseo Court**



### **PROPOSED**

For a complete description of proposed plan, please reference the following exhibits:

- Exhibit A Description of Property Exhibit B - Zoning Map (provided by
- COA) Exhibit C - Proposed Land Use Map
- and Density Table Exhibit D - Proposed Zoning Use
- Summary Table Exhibit E - Proposed Site
- Development Regulations Exhibit F - Proposed Parkland & Open • Space Master Plan

- Exhibit G Example Parkland Open Space Concepts
- Exhibit H Typical Road Sections Exhibit I - Proposed Reclamation Guidelines
- Exhibit J Proposed Plant List for Reclamation in Open Space Areas Exhibit M - Existing CWQZ
- Exhibit N Proposed CWQZ Exhibit R - Carbon Impact Statement
- Exhibit U Proposed Phasing Map Exhibit V- Code Comparison Chart
- Exhibit W CEF and Buffers Exhibit X - Example Housing Products

#### **GENERAL NOTES:**

Residential products and site layout shown are preliminary and shown for illustrative purposes only to illustrate intent of site design. Final layout, building placement and product to be determined during site plan, building permit, and/or preliminary plan.

**Exhibit N: Example Housing Products** 













#### **MEMORANDUM**

Date:

November 21, 2019

To:

Wendy Rhoades, Zoning Case Manager

CC:

Kathy Smith, P.E., PTOE, HDR Engineering, Inc.

Reference:

Austin Green - Planned Unit Development (PUD)

Transportation Impact Analysis Final Memo

C814-2018-0154

#### **Summary of the Transportation Impact Analysis (TIA):**

The Austin Transportation Department (ATD) has thoroughly reviewed the "Traffic Impact Analysis – Austin Green" dated October 4, 2019, prepared by HDR Engineering, Inc. The TIA is for a PUD zoning application currently in the Austin ETJ and is proposed to be annexed into the City's limited purpose jurisdiction through a Municipal Utility District consent agreement. Austin Green is anticipated to consist of 300,000 SF of general light industrial, 4,377 DU of single-family detached housing, 4,374 DU of multifamily housing (low-rise), 3,249 DU of multifamily housing (mid-rise), 1,500 student elementary school (two), 1,100 student middle school, 600,000 SF of general office building, 150,000 SF of medical-dental office building, and 650,000 SF of shopping center. It will be located on the east and west side of SH 130 between the Colorado River and FM 969 consisting of five tracts (Exhibit A). The development is anticipated to be completed by the year 2040.

Below is a summary of our review findings and recommendations:

- A phasing agreement shall be submitted to, reviewed, and approved by the City of Austin before the first subdivision and/or site plan application. The phasing agreement shall include the proposed phasing of the entire PUD and required transportation improvements associated with each of the phases, as included, but not limited to, in this TIA memo.
- 2. A TIA may be required with every subdivision and site plan application in this PUD, per the applicable Land Development Code. Transportation improvements to be built or funded by the Applicant should be re-analyzed with each new subdivision or site plan TIA. If the subdivision or site plan TIA requires additional mitigations beyond the list mentioned in this TIA memo, the Applicant shall be required to build or fund the additional transportation improvements at the time of subdivision or site plan.
- 3. The Applicant shall design and construct, or fund the improvements as identified in Table 2 below (Summary of Required Transportation Improvements) as part of their subdivision or site development applications. The phasing agreement shall include the required transportation improvements associated with each of the phases of the PUD. No temporary certificate of occupancy (TCO) or certificate of occupancy (CO) shall be issued until the construction of the required improvements is complete.

Attachment A

- 4. If the Applicant is responsible for funding transportation improvements for a particular phase of the PUD as established in the phasing agreement, the Applicant shall pay the transportation mitigation fee-in-lieu to the responsible authority prior to the issuance of the first subdivision or site development permit within that phase.
- 5. Please note that the cost estimates included in Table 2 are based on the opinion of probable cost of improvements from the Applicant's consultant and is included here for information only. The cost estimates included in Table 2 **shall not** be assumed to represent the maximum dollar value of improvements the Applicant may be required to construct. The cost estimate for the transportation improvements shall be reassessed at the time of site plan or subdivision application.
- 6. The Applicant shall commit to implement Transportation Demand Management (TDM) measures as part of each site plan to achieve a **minimum** 10% vehicle trip reduction as identified in the TIA scope. The Applicant shall be required to submit a Transportation Demand Management Plan at each subdivision or site plan application for staff's review and approval. Every site plan application submitted under this PUD shall try to achieve a higher TDM reduction based on the proposed land use intensities, which will be evaluated at the time of each submittal.
- 7. Development of this property should not vary from the approved uses or deviate from the approved intensities and estimated traffic generation assumptions within the finalized PUD TIA memo, including land uses, trip generation, trip distribution, other identified conditions. Applicant should consult with ATD and other responsible authority (TxDOT and/or Travis County) for driveway locations and traffic controls based on the Transportation Criteria Manual and Land Development Code in future site plan submittals. Any change in the assumptions made in the PUD TIA document shall be reviewed by ATD and may require a new or updated TIA.
- 8. The Applicant shall provide two copies of the final, updated version of the TIA within ten business days from the 3<sup>rd</sup> reading at City Council, matching Council's approved intensity recommendation.
- 9. The findings and recommendations of this TIA memorandum remain valid until five (5) years from the date of this memo, after which a revised TIA or addendum may be required at the discretion of ATD.

#### **Assumptions:**

- 1. The development is expected to be built by the year 2040.
- 2. A combined TDM and internal capture rate reduction of 10% was assumed for all residential, office, and retail land uses for tracts four and five. Internal capture was only calculated within a given parcel, and trips between different land uses on different parcels were not considered as internal capture trips.
- 3. 34% pass-by reduction for shopping center during the PM peak hour.
- 4. Considerations were made for the following background projects:
  - Interport South C14-02-0013
  - WatersEdge PUD C814-05-0069
  - Indian Hills C14-2009-0089
  - Velocity Crossing C14-2015-0117
  - Terrace at Hornsby Bend SP-2017-0395D
- 5. Travis County and TxDOT have accepted this TIA.

#### **Proposed Conditions:**

#### Trip Generation and Land Use

Based on the Institute of Transportation Engineers (ITE) Trip Generation Manual ( $10^{th}$  Edition), the development would generate approximately 123,900 unadjusted average daily vehicles trips (ADT) at full build out.

Due the significant number of vehicular trips and the anticipated traffic load on the roadway network, the Applicant has committed to a Transportation Demand Management (TDM) Plan. Table 1 shows the adjusted trip generation after applying pass-by and TDM/internal capture reductions.

Table 1: Adjusted Trip Generation				
Proposed Land Use	Size/Unit	24-Hour Two-Way Volume Trips	AM Peak Hour	PM Peak Hour
Tract 1		l		1
General Light Industrial	300,000 SF	1,195	101	79
Single-Family Detached				
Housing	500 DU	3,842	356	437
Multifamily Housing (Low-				
Rise)	500 DU	3,775	197	195
Tract 1 Total		8,812	654	711
Tract 2 Single-Family Detached Housing	282 DU	2,167	200	246
Multifamily Housing (Low-				
Rise)	281 DU	2,122	111	110
Tract 2 Total		4,289	311	356
	Ta =			
Tract 3				
Shopping Center	120,000 SF	3,289	88	264
Tract 4				
Single-Family Detached				
Housing	938 DU	6,487	600	737
Multifamily Housing (Low-Rise)	937 DU	6,368	334	329
Multifamily Housing (Mid-Rise)	750 DU	3,678	215	260
	1,000			
Elementary School	students	1,701	603	153

	1,100		ĺ	I
Middle School	students	2,109	575	169
Shopping Center	250,000 SF	6,168	166	496
Tract 4 Total		26,511	2493	2144
Tract 5				
Single-Family Detached				
Housing	2,657 DU	18,377	1700	2089
Multifamily Housing (Low-				
Rise)	2,656 DU	18,050	944	932
Multifamily Housing (Mid-Rise)	2,499 DU	12,256	718	867
Elementary School	500 students	851	302	77
General Office Building	600,000 SF	5,430	531	563
Medical-Dental Office Building	150,000 SF	5,108	288	460
Shopping Center	280,000 SF	6,908	185	556
Tract 5 Total		66,980	4668	5,544
Total		109,881	8212	9,019

#### **Transportation Demand Management (TDM)**

The Applicant has committed to a minimum TDM reduction of 10% (along with internal capture trips) to meet certain vehicle trip reduction targets. The Applicant has identified the following TDM measures that would be implemented at the time of subdivision or site plan to achieve the vehicular trip reduction:

- Contributions for Sustainable Transportation Although not yet in Cap Metro service area, the Applicant shall provide land for transit stops and park and ride facilities as identified at the time of subdivision or site plan.
- o Bicycle Parking
- o Showers and Lockers
- o Bicycle Repair Station
- o Bicycle Maintenance Station
- o Car Share Parking
- Unbundled Parking
- o Short Term Daily Parking Provision
- o Priced Parking
- Improved bicycle and pedestrian connectivity for all streets. Includes but not limited to physically separate bicycle facility, on-street bike lane or shared use path, sidewalk, and trail connections.

The Applicant shall submit a TDM plan for each subdivision / site plan to ATD for review and approval. While the Applicant committed to the broad spectrum of TDM measures, as noted above, the Applicant would have the flexibility to pick and choose other relevant TDM measures at the time of subdivision/site plan to further reduce vehicular trip generation.

<u>Table 2: Summary of Required Transportation Improvements:</u>

	Turananantatian	Responsibility	Estimated Cost	
Intersection/Roadway	Transportation  Improvements		(For Information Only)	
	Construct dual NB left-turn lanes	<b>-</b>	\$300,000	
FM 973 and FM 969	Construct SB left-turn lane	<del>-</del>	\$250,000	
	Construct channelized EB right-turn lane	subdivision or site plan	\$150,000	
	Construct WB right-turn lane		\$150,000	
	Signal modification and timing optimization		\$300,000	
	Construct SB left-turn lane	To be reassessed at the time of subdivision or	-	
SH 130 SB FR and FM 969	Construct EB right-turn lane Signal timing optimization	site plan  To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$5,000	
	Construct NB left-turn lane	To be reassessed at the	-	
-	Construct WB right-turn lane	time of subdivision or site plan	-	
SH 130 NB FR and FM 969	Signal timing optimization	To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$5,000	
,	Restripe NB and SB approaches	To be paid by the	\$10,000	
Hunters Bend Road/Delta Post Drive and FM 969	Cional timing autimization	Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision		
	Signal timing optimization	or site plan	\$5,000	
FM 973 and SH 71 WB F	Construct NB acceleration lane for RWB right turns	To be designed and constructed by the	\$10,000	

	Construct WB acceleration lane for SB right turns	Applicant at the time of subdivision or site plan	\$150,000
	Signal timing optimization		\$5,000
FM 973 and SH 71 EB FR	Signal timing optimization	To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$5,000
g = 2	Construct SB through lane	To be reassessed at the time of subdivision or site plan	-
SH 130 SB FR ad SH 71 WB FR	Signal timing optimization	To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$5,000
I D	Restripe SB approach	To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$10,000
	Construct EB right-turn lane	To be reassessed at the time of subdivision or site plan	-
SH 130 SB FR and SH 71 EB FR	Signal timing optimization	To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$5,000
SH 130 NB FR and SH 71 WB FR	Restripe NB approach	To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$10,000

1			ii .
N	1	To be reassessed at the time of subdivision or site plan	·*·
*		To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$5,000
		To be reassessed at the time of subdivision or site plan	-
SH 130 NB FR ad SH 71 EB FR	=	To be paid by the Applicant as a transportation mitigation fee-in-lieu prior to the approval of subdivision or site plan	\$5,000
FM 973 and Platt Lane	Modify for right-in/right-out	To be designed and constructed by the Applicant at the time of subdivision or site plan	\$50,000
FM 973 and Harold Green Road	Install traffic signal	To be designed and constructed by the	\$250,000
	Construct dual SB left-turn lanes Construct SB through lane	Applicant at the time of subdivision or site plan	\$200,000 ***
	Construct two NB through lanes		***
	Construct NB right-turn lane		\$150,000
	Construct dual WB left-turn lanes		**
SH 130 SB FR and Harold Green Road		To be designed and constructed by the Applicant at the time of	\$250,000
a. John Noud	lane Construct EB through lane	subdivision or site plan	\$200,000 **
	Construct channelized EB right-turn lane		\$200,000

	N		
	Construct dual WB left-turn lanes		\$250,000
	Construct WB through lane	e e	**
		To be designed and	\$250,000
	Construct channelized NB right-turn	constructed by the Applicant at the time of subdivision or site plan	\$200,000
	Construct dual EB left-turn lanes		\$250,000
	Construct EB through lane		**
	Construct WB through lane		**
	Construct channelized WB right-turn lane	•	\$150,000
FM 973 and Garden	Install traffic signal	To be designed and	\$300,000
Grove Drive/ Driveway 2B	Construct two SB through lanes		\$200,000
			***
	Construct NB left-turn lane		\$200,000
	Construct two NB through lanes		***
	Construct WB left-turn lane		\$150,000
FM 973 and Prado Ranch	Install traffic signal	To be designed and	\$300,000
Boulevard	Construct SB left-turn lane	constructed by the Applicant at the time of	\$200,000
	Construct two SB through lanes	subdivision or site plan	***
	Construct two NB through lanes		***
FM 973 and Thyone Road	Install traffic signal	To be designed and	\$300,000
	Construct two SB through lanes	constructed by the Applicant at the time of	***
	Construct two NB through lanes	subdivision or site plan	***
FM 973 and Driveway 1A	Install traffic signal	To be designed and	\$300,000
	Construct SB left-turn lane	constructed by the	\$200,000

	Construct SB through lane	Applicant at the time of subdivision or site plan	***
:	Construct NB through lane		***
	Construct NB right-turn lane		\$150,000
FM 973 and Driveway 1B	Construct SB left-turn lane	To be designed and	\$200,000
	Construct SB through lane	constructed by the Applicant at the time of	***
	Construct NB through lane	subdivision or site plan	***
FM 973 and Driveway 1C	Install traffic signal	To be designed and	\$300,000
	Construct SB left-turn lane	constructed by the Applicant at the time of	\$200,000
	Construct SB through lane	subdivision or site plan	***
	Construct NB through lane		***
11	Construct NB right-turn lane		\$150,000
FM 973 and Driveway 2A	Construct two SB through lanes	To be designed and	***
	Construct NB left-turn lane	constructed by theApplicant at the time of	\$200,000
= 1	Construct two NB through lanes	subdivision or site plan	***
Driveway 3A/Driveway 4A and Harold Green Road	Construct roundabout	To be designed and constructed by the Applicant at the time of subdivision or site plan	\$400,000
Driveway 4B and Harold	Construct EB through lane	To be designed and	**
Green Road	Construct WB left-turn lane	constructed by the Applicant at the time of subdivision or site plan	\$150,000
P	Construct WB through lane	•	***
FM 973 and Driveway 4C	Construct SB left-turn lane	To be designed and	\$200,000
	Construct two SB through lanes	constructed by the Applicant at the time of	***
	Construct two NB through lanes	subdivision or site plan	***
FM 973 and Roadway D	Install traffic signal	To be designed and	\$300,000
	Construct SB through lane	constructed by the	***

	Construct NB through lane	Applicant at the time of subdivision or site plan	***
	Construct channelized NB right-turn lane		\$200,000
Driveway 51 and FM 969	Install traffic signal	To be designed and constructed by the Applicant at the time of subdivision or site plan	\$300,000
FM 973 (b/w SH 71 and Roadway D)	Widening roadway to six lane section	To be designed and constructed by the	\$576,000
FM 973 (b/w Roadway D and	Widen roadway to six lane section	Applicant at the time of subdivision or site plan	\$7,296,000
Harold Green)		_	1,
FM 973 (b/w Harold Green and FM 969)	Widen roadway to four lane section		\$4,176,000
	<u>Total</u>		\$22,333,000

## \*\* To be constructed as part of subdivision / site plan (not considered as transportation system mitigation)

#### \*\*\* Pro-rata calculated as part of FM 973 roadway widening (see last three rows of table)

Please note that the cost estimates included in Table 2 are included here for information only. The cost estimates included in Table 2 **shall not** be assumed to represent the maximum dollar value of improvements the Applicant may be required to construct. The cost estimate for the transportation improvements shall be re-assessed at the time of site plan or subdivision application.

The phasing agreement shall include the phasing of required transportation improvements associated with each of the phases of the PUD. No temporary certificate of occupancy (TCO) or certificate of occupancy (CO) shall be issued until the construction of the required improvements is complete for each of the phases.

A TIA may be required with every subdivision and site plan application in this PUD, per the applicable Land Development Code. Transportation improvements to be built or funded by the Applicant should be re-analyzed with each new subdivision or site plan TIA. If the subdivision or site plan TIA requires additional mitigations beyond the list mentioned in this TIA memo, the Applicant shall be required to build or fund the additional transportation improvements at the time of subdivision or site plan.

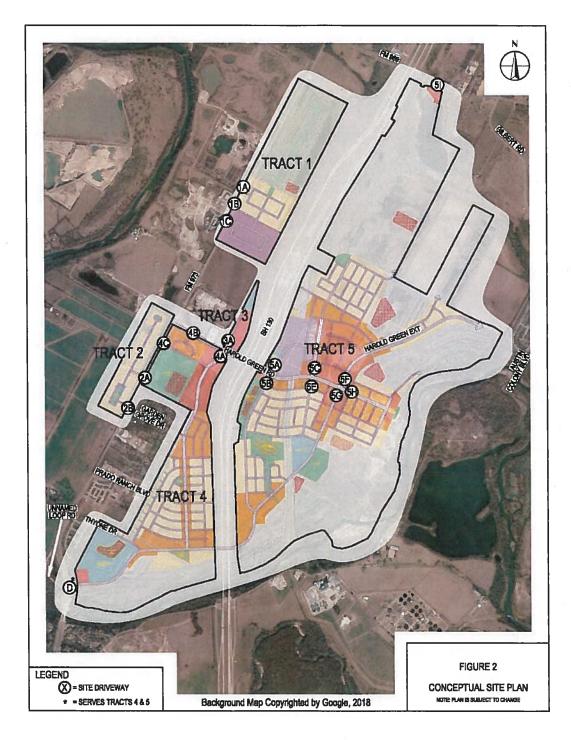
If you have any questions or require additional information, please contact me at 512-974-4073.

Nazlie Saeedi, P.E.

**Austin Transportation Department** 



#### **EXHIBIT A**



Source: HDR, Inc.



## Carbon Impact Statement Project: Austin Green

#### Scoring Guide:

1-4: Business as usual

5-8: Some positive actions

9-12: Demonstrated leadership

1	2	3	4	5	6	7	8	9	10	11	12	
---	---	---	---	---	---	---	---	---	----	----	----	--

<u>Transportation</u>	Response: Y=1, N=0	Documentation: Y/N
T1: Public Transit Connectivity	0	N
T2: Bicycle Infrastructure	1	N
T3: Walkability	1	N
T4: Utilize TDM Strategies	1	N
T5: Electric Vehicle Charging	1	N
T6: Maximize Parking Reductions	1	N
Water + Energy WE1: Onsite Renewable Energy	0	N
WE2: Reclaimed Water	1	N
Land Use LU1: Imagine Austin Activity Center	1	Y
or Corridor		
LU2: Floor-to-Area Ratio	_1	N
Food		
F1: Access to Food	0	N
<u>Materials</u>		
M1: Adaptive Reuse	0	N
<u>Total S</u>	Score: 8	

The Carbon Impact Statement calculation is a good indicator of how your individual buildings will perform in the Site Category of your Austin Energy Green Building rating.

This is for a PUD that will govern the transition of a 2,126.25-acre site from sand and gravel mining to a Major Town Center including allowable land uses such as a variety of compact housing types and commercial developments, connected street and trail improvements, accessible park and open space and other key community benefits.

Attachment C

#### Exhibit R – Carbon Impact Statement Form

T1. Is any functional entry of the project within 1/4 mile walking distance of existing or planned bus stop(s) serving at least two bus routes, or within 1/2 mile walking distance of existing or planned bus rapid transit stop(s), or rail station(s)?

No. The project is outside of current service area. Conversations are in progress to coordinate future needs with CapMetro and a dedicated site for park and ride will be a part of the project.

T2. Is there safe connectivity from the project site to an "all ages and abilities bicycle facility" as listed in the Austin Bicycle Master Plan?

Yes. The project is planning to connect an internal trail to FM 969.

T3. Is the property location "very walkable" with a minimum Walk Score of 70 (found at walkscore.com), or will the project include at least five new distinct basic services (such as a bank, restaurant, fitness center, retail store, daycare, or supermarket)?

Yes. The project envisions having a town center and village center, both with a mixture of residential and non-residential uses. We are also requiring all residential units be within a quarter mile or less walking distance from a public amenity, park or trail.

T4. Does the project utilize two or more of the following Transportation Demand Management strategies: unbundling parking costs from cost of housing/office space, providing shower facilities, providing secured and covered bicycle storage, and/or providing 2+ car sharing parking spaces for City-approved car share programs?

Yes.

T5. Will the project include at least one DC Fast Charging electric vehicle charging station? Yes.

T6. Does the project utilize existing parking reductions in code to provide 20% less than the minimum number of parking spaces required under the current land development code (or 60% less than the code's base ratios if there is no minimum parking capacity requirement)?

Yes.

WE1. Will the project include on-site renewable energy generation to offset at least 1% of building electricity consumption? Unknown at this time.

WE2. Will the project include one or more of the following reclaimed water systems: large scale cisterns, onsite grey or blackwater treatment, and reuse or utilization of Austin Water Utility's auxiliary water system to eliminate the use of potable water on landscape/irrigation?

Yes. the project will utilize/extend the City of Austin reclaimed water (purple pipe) system to reduce potable water use for landscaping areas.

LU1. Is the proposed project site located within one of the centers or corridors as defined in the Imagine Austin Comprehensive Plan Growth Concept Map?

Yes. This project is located within one of the identified Town Centers in the Imagine Austin Comp Plan.

LU2. If located in an Imagine Austin activity center or corridor, will the proposed project use at least 90% of its entitled amount of floor-to-area ratio?

Yes.

F1. Will the project include a full service grocery store onsite, or is one located within 1 mile of the project, or will the project integrate opportunities for agriculture to the scale as defined by Austin Energy Green Building?

Full service grocery stores are a permitted use within the project. The final site plan and land uses have not been determined at this time.

M1. Will the project reuse or deconstruct existing buildings on the project site?

No.

#### **PUBLIC HEARING INFORMATION**

This zoning/rezoning request will be reviewed and acted upon at two public hearings: before the Land Use Commission and the City Council. Although applicants and/or their agent(s) are expected to attend a public hearing, you are not required to attend. However, if you do attend, you have the opportunity to speak FOR or AGAINST the proposed development or change. You may also contact a neighborhood or environmental organization that has expressed an interest in an application affecting your neighborhood.

During its public hearing, the board or commission may postpone or continue an application's hearing to a later date, or may evaluate the City staff's recommendation and public input forwarding its own recommendation to the City Council. If the board or commission announces a specific date and time for a postponement or continuation that is not later than 60 days from the announcement, no further notice is required.

During its public hearing, the City Council may grant or deny a zoning request, or rezone the land to a less intensive zoning than requested but in no case will it grant a more intensive zoning.

However, in order to allow for mixed use development, the Council may add the MIXED USE (MU) COMBINING DISTRICT to certain commercial districts. The MU Combining District simply allows residential uses in addition to those uses already allowed in the seven commercial zoning districts. As a result, the MU Combining District allows the combination of office, retail, commercial, and residential uses within a single development.

For additional information on the City of Austin's land development process, visit our website: <a href="https://www.austintexas.gov/planning">www.austintexas.gov/planning</a>.

Written comments must be submitted to the board or commission (or the contact person listed on the notice) before or at a public hearing. Your comments should include the board or commission's name, the scheduled date of the public hearing, and the Case Number and the contact person listed on the notice.

Case Number: C814-2018-0154
Contact: Wendy Rhoades, 512-974-7719
Public Hearing: June 11, 2019, Planning Commission
Claren Ortiz Carroll
Your Name (please print)
2508 ELARA DR. AUTX TERRS
Your address (es) affected by this application  Lo 19
Signature Date
Daytime Telephone: 6294-2784
Comments: This appears to be a mossive
project but the Mojor concern here is the
Cutenowe Hansportation and water
Conjustion short already cooms on this under
developed access around this project area.
I am for development but the conjected heaven
Form roads take a beating w/ heavy commenced
transportation vehicles and home traffic flow
during the day time hours usually from 5-AM to 10PM
If you use this form to comment, it may be returned to:
City of Austin
Planning & Zoning Department
Wendy Rhoades

P. O. Box 1088

Austin, TX 78767-8810

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Case Number: C814-2018-0154	
Contact: Wendy Rhoades, 512-974-7719	
Public Hearing: November 26, 2019, Planning Com	ımission
SUE L. FISCHER	
Your Name (please print)	☐ I am in favor
i .	<b>▼</b> I object
1300 Watermelon Way	
Your address(es) affected by this application	
La L Fischer	11/18/19
Signature	Date
Daytime Telephone: <u>512 - 608 - 8175</u>	
Comments: Traffic is unfearal	le NOW-
With Inicased taffer on 973 an	dno
other way into our communit	7
increased proflems for sohe	
emergency wichles and police	
for supply willbe dangers	usto
an subdivisor.	
If you use this form to comment, it may be returned to:	

City of Austin
Planning & Zoning Department
Wendy Rhoades
P. O. Box 1088
Austin, TX 78767-8810

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Case Number: C814-2018-0154 Contact: Wendy Rhoades, 512-974-7719
Public Hearing: November 26, 2019, Planning Commission
Chilles Ortin Camp !
Your Name (please print)  I am in favor  I object
_ FOO ZIWA IF.
Your address (es) affected by this application
( ) alucato 11-21-19
Signature Date  Date
Daytime Telephone:
Comments: I believe city central reeds
to prepose better access roads blights
before plan is placed into ciction.
There is way borner water going
down the roads as they are. The
tot road is beginning toget congested.)
If you use this form to comment, it may be returned to:
City of Austin
Planning & Zoning Department
Wendy Rhoades
P. O. Box 1088
Austin, TX 78767-8810