INSECTS

a Katydid Dichopetala catinata

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: GNR State Rank: SNR

a Katydid Dichopetala seeversi

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: GNR State Rank: SNR

American bumblebee Bombus pensylvanicus

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: G3G4 State Rank: SNR

Helotes mold beetle Batrisodes venyivi

Small, eyeless mold beetle; karst features in northwestern Bexar County and northeastern Medina County

Federal Status: LE State Status: SGCN: Y

Endemic: Y Global Rank: G1 State Rank: S1

Manfreda giant-skipper Stallingsia maculosus

Most skippers are small and stout-bodied; name derives from fast, erratic flight; at rest most skippers hold front and hind wings at different angles; skipper larvae are smooth, with the head and neck constricted; skipper larvae usually feed inside a leaf shelter and pupate in a cocoon made of leaves fastened together with silk

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G1 State Rank: S1

No accepted common name Bombus variabilis

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: G1G2 State Rank: SNR

No accepted common name Megachile parksi

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: GH State Rank: SNR

DISCLAIMER

INSECTS

No accepted common name Pygarctia lorula

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G2G3 State Rank: S2?

No accepted common name Cotinis boylei

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: GNR State Rank: SNR

No accepted common name Rhadine bullis

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: GNR State Rank: SNR

No accepted common name Lymantes nadineae

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: GNR State Rank: SNR

No accepted common name Cotalpa conclamara

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y

Endemic: Global Rank: GNR State Rank: SNR

MAMMALS

American badger Taxidea taxus

Generalist. Prefers areas with soft soils that sustain ground squirrels for food. When inactive, occupies underground burrow. Young are born in

underground burrows.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S5

big brown bat Eptesicus fuscus

Any wooded areas or woodlands except south Texas. Riparian areas in west Texas.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S5

DISCLAIMER

MAMMALS

big free-tailed bat Nyctinomops macrotis

Habitat data sparse but records indicate that species prefers to roost in crevices and cracks in high canyon walls, but will use buildings, as well; reproduction data sparse, gives birth to single offspring late June-early July; females gather in nursery colonies; winter habits undetermined, but may hibernate in the Trans-Pecos; opportunistic insectivore

Federal Status: State Status: SGCN: Y
Endemic: Global Rank: G5 State Rank: S3

black bear Ursus americanus

Generalist. Historically found throughout Texas. In Chisos, prefers higher elevations where pinyon-oaks predominate; also occasionally sighted in desert scrub of Trans-Pecos (Black Gap Wildlife Management Area) and Edwards Plateau in juniper-oak habitat. For ssp. luteolus, bottomland hardwoods, floodplain forests, upland hardwoods with mixed pine; marsh. Bottomland hardwoods and large tracts of inaccessible forested areas.

Federal Status: State Status: T SGCN: Y
Endemic: N Global Rank: G5 State Rank: S3

black-tailed prairie dog Cynomys ludovicianus

Dry, flat, short grasslands with low, relatively sparse vegetation, including areas overgrazed by cattle; live in large family groups

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G4 State Rank: S3

cave myotis bat Myotis velifer

Colonial and cave-dwelling; also roosts in rock crevices, old buildings, carports, under bridges, and even in abandoned Cliff Swallow (Hirundo pyrrhonota) nests; roosts in clusters of up to thousands of individuals; hibernates in limestone caves of Edwards Plateau and gypsum cave of Panhandle during winter; opportunistic insectivore.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G4G5 State Rank: S4

eastern red bat Lasiurus borealis

Found in a variety of habitats in Texas. Usually associated with wooded areas. Found in towns especially during migration.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G3G4 State Rank: S4

eastern spotted skunk Spilogale putorius

Generalist; open fields prairies, croplands, fence rows, farmyards, forest edges & Degrammer, woodlands. Prefer woodled, brushy areas & Degrammer, tallgrass prairies. S.p. ssp. interrupta found in woodled areas and tallgrass prairies, preferring rocky canyons and outcrops when such sites are available.

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G4 State Rank: S1S3

DISCLAIMER

MAMMALS

hoary bat Lasiurus cinereus

Known from montane and riparian woodland in Trans-Pecos, forests and woods in east and central Texas.

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G3G4 State Rank: S4

long-tailed weasel Mustela frenata

Includes brushlands, fence rows, upland woods and bottomland hardwoods, forest edges & rocky desert scrub. Usually live close to water.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S5

Mexican free-tailed bat Tadarida brasiliensis

Roosts in buildings in east Texas. Largest maternity roosts are in limestone caves on the Edwards Plateau. Found in all habitats, forest to desert.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S5

mink Neovison vison

Intimately associated with water; coastal swamps & marshes, wooded riparian zones, edges of lakes. Prefer floodplains.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S4

mountain lion Puma concolor

Generalist; found in a wide range of habitats statewide. Found most frequently in rugged mountains & amp; riparian zones.

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G5 State Rank: S2S3

plains spotted skunk Spilogale putorius interrupta

Generalist; open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands; prefers wooded, brushy areas and tallgrass

prairie

Federal Status: SGCN: N

Endemic: N Global Rank: G4T4 State Rank: S1S3

swamp rabbit Sylvilagus aquaticus

Primarily found in lowland areas near water including: cypress bogs and marshes, floodplains, creeks and rivers.

Federal Status: SGCN: Y

Endemic: N Global Rank: G5 State Rank: S5

DISCLAIMER

MAMMALS

thirteen-lined ground squirrel Ictidomys tridecemlineatus

Prefers short grass prairies with deep soils for burrowing. Frequently found in grazed ranchland, mowed pastures, and golf courses.

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G5 State Rank: S5

tricolored bat Perimyotis subflavus

Forest, woodland and riparian areas are important. Caves are very important to this species.

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G2G3 State Rank: S3S4

western hog-nosed skunk Conepatus leuconotus

Habitats include woodlands, grasslands & amp; deserts, to 7200 feet, most common in rugged, rocky canyon country; little is known about the

habitat of the ssp. telmalestes

Federal Status: SGCN: Y

Endemic: N Global Rank: G4 State Rank: S4

western spotted skunk Spilogale gracilis

Brushy canyons, rocky outcrops (rimrock) on hillsides and walls of canyons. In semi-arid brushlands in U.S., in wet tropical forests in Mexico.

When inactive or bearing young, occupies den in rocks, burrow, hollow log, brush pile, or under building.

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G5 State Rank: S5

white-nosed coati Nasua narica

Woodlands, riparian corridors and canyons. Most individuals in Texas probably transients from Mexico; diurnal and crepuscular; very sociable;

forages on ground and in trees; omnivorous; may be susceptible to hunting, trapping, and pet trade

Federal Status: State Status: T SGCN: Y

Endemic: N Global Rank: G5 State Rank: S1

MOLLUSKS

golden orb Ouadrula aurea

Sand and gravel in some locations and mud at others; found in lentic and lotic; Guadalupe, San Antonio, Lower San Marcos, and Nueces River

basins

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G1 State Rank: S2

DISCLAIMER

MOLLUSKS

Guadalupe orb Cyclonaias necki

Species' distribution is limited to the Guadalupe River basin. Occurs in both mainstem and tributary habitats. Often found in substrates composed of sand, gravel, and cobble, including mud-silt or gravel-filled cracks in bedrock slabs. Considered intolerant of reservoirs, but are known to occur in them (Howells 2010m; Randklev et al. 2017b). [Mussels of Texas 2019]

Federal Status: State Status: T SGCN: N
Endemic: Y Global Rank: GNR State Rank: S2

mimic cavesnail Phreatodrobia imitata

Subaquatic; only known from two wells penetrating the Edwards Aquifer

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G1 State Rank: S1

No accepted common name Phreatodrobia conica

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G1 State Rank: S2

REPTILES

Cagle's map turtle Graptemys caglei

Aquatic: shallow water with swift to moderate flow and gravel or cobble bottom, connected by deeper pools with a slower flow rate and a silt or mud bottom; gravel bar riffles and transition areas between riffles and pools especially important in providing insect prey items; nests on gently sloping sand banks within ca. 30 feet of waters edge.

Federal Status: State Status: T SGCN: Y
Endemic: Y Global Rank: G3 State Rank: S1

eastern box turtle Terrapene carolina

Terrestrial: Eastern box turtles inhabit forests, fields, forest-brush, and forest-field ecotones. In some areas they move seasonally from fields in spring to forest in summer. They commonly enters pools of shallow water in summer. For shelter, they burrow into loose soil, debris, mud, old stump holes, or under leaf litter. They can successfully hibernate in sites that may experience subfreezing temperatures.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S3

keeled earless lizard Holbrookia propingua

Terrestrial: Habitats include coastal dunes, barrier islands, and other sandy areas (Axtell 1983). Although it occurs well inland, this species is most abundant on coastal dunes, were it seeks shelter in the burrows of small mammals or crabs (Bartlett and Bartlett 1999).

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G4 State Rank: S3

DISCLAIMER

REPTILES

plateau spot-tailed earless lizard Holbrookia lacerata

Terrestrial: Habitats include moderately open prairie-brushland regions, particularly fairly flat areas free of vegetation or other obstructions (e.g., open meadows, old and new fields, graded roadways, cleared and disturbed areas, prairie savanna, and active agriculture including row crops); also, oak-juniper woodlands and mesquite-prickly pear associations (Axtell 1968, Bartlett and Bartlett 1999).

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: GNR State Rank: S2

slender glass lizard Ophisaurus attenuatus

Terrestrial: Habitats include open grassland, prairie, woodland edge, open woodland, oak savannas, longleaf pine flatwoods, scrubby areas,

fallow fields, and areas near streams and ponds, often in habitats with sandy soil.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S3

Tamaulipan spot-tailed earless Holbrookia subcaudalis

lizard

Terrestrial: Habitats include moderately open prairie-brushland regions, particularly fairly flat areas free of vegetation or other obstructions (e.g., open meadows, old and new fields, graded roadways, cleared and disturbed areas, prairie savanna, and active agriculture including row crops); also, oak-juniper woodlands and mesquite-prickly pear associations (Axtell 1968, Bartlett and Bartlett 1999).

Federal Status: State Status: SGCN: Y
Endemic: Global Rank: GNR State Rank: S2

Texas garter snake Thamnophis sirtalis annectens

Terrestrial and aquatic: Habitats used include the grasslands and modified open areas in the vicinity of aquatic features, such as ponds, streams or marshes. Damp soils and debris for cover are thought to be critical.

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G5T4 State Rank: S1

Texas horned lizard Phrynosoma cornutum

Terrestrial: Open habitats with sparse vegetation, including grass, prairie, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive. Occurs to 6000 feet, but largely limited below the pinyon-juniper zone on mountains in the Big Bend area.

Federal Status: State Status: T SGCN: Y
Endemic: N Global Rank: G4G5 State Rank: S3

Texas indigo snake Drymarchon melanurus erebennus

Terrestrial: Thornbush-chaparral woodland of south Texas, in particular dense riparian corridors. Can do well in suburban and irrigated croplands

Requires moist microhabitats, such as rodent burrows, for shelter.

Federal Status: State Status: SGCN: Y
Endemic: Global Rank: G5T4 State Rank: S4

Texas tortoise Gopherus berlandieri

DISCLAIMER

REPTILES

Terrestrial: Open scrub woods, arid brush, lomas, grass-cactus association; often in areas with sandy well-drained soils. When inactive occupies shallow depressions dug at base of bush or cactus; sometimes in underground burrow or under object. Eggs are laid in nests dug in soil near or under bushes.

Federal Status: State Status: T SGCN: Y
Endemic: N Global Rank: G4 State Rank: S2

timber (canebrake) rattlesnake Crotalus horridus

Terrestrial: Swamps, floodplains, upland pine and deciduous woodland, riparian zones, abandoned farmland. Limestone bluffs, sandy soil or

black clay. Prefers dense ground cover, i.e. grapevines, palmetto.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G4 State Rank: S4

western box turtle Terrapene ornata

Terrestrial: Ornate or western box trutles inhabit prairie grassland, pasture, fields, sandhills, and open woodland. They are essentially terrestrial but sometimes enter slow, shallow streams and creek pools. For shelter, they burrow into soil (e.g., under plants such as yucca) (Converse et al.

2002) or enter burrows made by other species.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S3

western hognose snake Heterodon nasicus

Terrestrial: Shortgrass or mixed grass prairie, with gravel or sandy soils. Often found associated with draws, floodplains, and more mesic

habitats within the arid landscape. Frequently occurs in shrub encroached grasslands.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S4

western rattlesnake Crotalus viridis

Terrestrial: Dry desert and prairie grasslands, shrub desert rocky hillsides; edges of arid and semi-arid river breaks.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G5 State Rank: S5

PLANTS

awnless leastdaisy Chaetopappa imberbis

In woodlands on lomas of Carrizo sand (TEX-LL specimens Carr 23875, 12507). Mar- May.

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G3 State Rank: S3

DISCLAIMER

PLANTS

big red sage Salvia pentstemonoides

Moist to seasonally wet, steep limestone outcrops on seeps within canyons or along creek banks; occasionally on clayey to silty soils of creek banks and terraces, in partial shade to full sun; basal leaves conspicuous for much of the year; flowering June-October

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G1 State Rank: S1

bigflower cornsalad Valerianella stenocarpa

Usually along creekbeds or in vernally moist grassy open areas (Carr 2015).

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G3 State Rank: S3

bracted twistflower Streptanthus bracteatus

Shallow, well-drained gravelly clays and clay loams over limestone in oak juniper woodlands and associated openings, on steep to moderate slopes and in canyon bottoms; several known soils include Tarrant, Brackett, or Speck over Edwards, Glen Rose, and Walnut geologic formations; populations fluctuate widely from year to year, depending on winter rainfall; flowering mid April-late May, fruit matures and foliage withers by early summer

Federal Status: C State Status: SGCN: Y
Endemic: Y Global Rank: G1 State Rank: S1

bristle nailwort Paronychia setacea

Flowering vascular plant endemic to eastern southcentral Texas, occurring in sandy soils

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G3 State Rank: S2

Buckley tridens Tridens buckleyanus

Occurs in juniper-oak woodlands on rocky limestone slopes; Perennial; Flowering/Fruiting April-Nov

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3G4 State Rank: S3S4

Burridge greenthread Thelesperma burridgeanum

Sandy open areas; Annual; Flowering March-Nov; Fruiting March-June

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G3 State Rank: S3

Correll's false dragon-head Physostegia correllii

Wet, silty clay loams on streamsides, in creek beds, irrigation channels and roadside drainage ditches; or seepy, mucky, sometimes gravelly soils along riverbanks or small islands in the Rio Grande; or underlain by Austin Chalk limestone along gently flowing spring-fed creek in central Texas; flowering May-September

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G2 State Rank: S2

DISCLAIMER

PLANTS

Elmendorf's onion Allium elmendorfii

Grassland openings in oak woodlands on deep, loose, well-drained sands; in Coastal Bend, on Pleistocene barrier island ridges and Holocene Sand Sheet that support live oak woodlands; to the north it occurs in post oak-black hickory-live oak woodlands over Queen City and similar Eocene formations; one anomalous specimen found on Llano Uplift in wet pockets of granitic loam; Perennial; Flowering March-April, May

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G2 State Rank: S2

Glass Mountains coral-root Hexalectris nitida

Apparently rare in mixed woodlands in canyons in the mountains of the Brewster County, but encountered with regularity, albeit in small numbers, under Juniperus ashei in woodlands over limestone on the Edwards Plateau, Callahan Divide and Lampasas Cutplain; Perennial;

Flowering June-Sept; Fruiting July-Sept

Federal Status: State Status: SGCN: Y Endemic: N Global Rank: G3 State Rank: S3

gravelbar brickellbush Brickellia dentata

Essentially restricted to frequently-scoured gravelly alluvial beds in creek and river bottoms; Perennial; Flowering June-Nov; Fruiting June-Oct

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3G4 State Rank: S3S4

hairy sycamore-leaf snowbell Styrax platanifolius ssp. stellatus

Rare throughout range, in habitats similar to those of var. platanifolius - usually in oak-juniper woodlands on steep rocky banks and ledges along intermittent or perennial streams, rarely far from some reliable source of moisture; Perennial; Flowering April-Oct; Fruiting May-Sept

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3T3 State Rank: S3

Heller's marbleseed Onosmodium helleri

Occurs in loamy calcareous soils in oak-juniper woodlands on rocky limestone slopes, often in more mesic portions of canyons; Perennial;

Flowering March-May

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3 State Rank: S3

Hill Country wild-mercury Argythamnia aphoroides

Mostly in bluestem-grama grasslands associated with plateau live oak woodlands on shallow to moderately deep clays and clay loams over limestone on rolling uplands, also in partial shade of oak-juniper woodlands in gravelly soils on rocky limestone slopes; Perennial; Flowering

April-May with fruit persisting until midsummer

Federal Status: SGCN: Y State Status: Endemic: Y Global Rank: G2G3 State Rank: S3

DISCLAIMER

PLANTS

low spurge Euphorbia peplidion

Occurs in a variety of vernally-moist situations in a number of natural regions; Annual; Flowering Feb-April; Fruiting March-April

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3 State Rank: S3

narrowleaf brickellbush Brickellia eupatorioides var. gracillima

Moist to dry gravelly alluvial soils along riverbanks but also on limestone slopes; Perennial; Flowering/Fruiting April-Nov

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G5T3 State Rank: S3

net-leaf bundleflower Desmanthus reticulatus

Mostly on clay prairies of the coastal plain of central and south Texas; Perennial; Flowering April-July; Fruiting April-Oct

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G3 State Rank: S3

Osage Plains false foxglove Agalinis densiflora

Most records are from grasslands on shallow, gravelly, well drained, calcareous soils; Prairies, dry limestone soils; Annual; Flowering Aug-Oct

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G3 State Rank: S2

Parks' jointweed Polygonella parksii

Mostly found on deep, loose, whitish sand blowouts (unstable, deep, xeric, sandhill barrens) in Post Oak Savanna landscapes over the Carrizo and Sparta formations; also occurs in early successional grasslands, along right-of-ways, and on mechanically disturbed areas; flowering Junelate October or September-November

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G2 State Rank: S2

Plateau loosestrife Lythrum ovalifolium

Banks and gravelly beds of perennial (or strong intermittent) streams on the Edwards Plateau, Llano Uplift and Lampasas Cutplain; Perennial;

Flowering/Fruiting April-Nov

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G3G4 State Rank: S3S4

plateau milkvine Matelea edwardsensis

Occurs in various types of juniper-oak and oak-juniper woodlands; Perennial; Flowering March-Oct; Fruiting May-June

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G3 State Rank: S3

DISCLAIMER

PLANTS

sandhill woolywhite Hymenopappus carrizoanus

Disturbed or open areas in grasslands and post oak woodlands on deep sands derived from the Carrizo Sand and similar Eocene formations;

flowering April-June

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G2 State Rank: S2

Siler's huaco Manfreda sileri

Rare in a variety of grasslands and shrublands on dry sites; Perennial; Flowering April-July; Fruiting June-July
Federal Status:

SGCN: Y

Endemic: N

Global Rank: G3

State Rank: S3

South Texas rushpea Caesalpinia phyllanthoides

Tamaulipan thorn shrublands or grasslands on very shallow sandy to clayey soils over calcareous sandstone and caliche; flowering in spring,

sometimes later in growing season, perhaps in response to rainfall

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G2? State Rank: S1

spreading leastdaisy Chaetopappa effusa

Limestone cliffs, ledges, bluffs, steep hillsides, sometimes in seepy areas, oak-juniper, oak, or mixed deciduous woods, 300-500 m elevation;

Perennial; Flowering (May) July-Oct

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3G4 State Rank: S3S4

sycamore-leaf snowbell Styrax platanifolius ssp. platanifolius

Rare throughout range, usually in oak-juniper woodlands on steep rocky banks and ledges along intermittent or perennial streams, rarely far from

some reliable source of moisture; Perennial; Flowering April-May; Fruiting May-Aug.

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G3T3 State Rank: S3

Texas almond Prunus minutiflora

Wide-ranging but scarce, in a variety of grassland and shrubland situations, mostly on calcareous soils underlain by limestone but occasionally in

sandier neutral soils underlain by granite; Perennial; Flowering Feb-May and Oct; Fruiting Feb-Sept

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3G4 State Rank: S3S4

Texas amorpha Amorpha roemeriana

Juniper-oak woodlands or shrublands on rocky limestone slopes, sometimes on dry shelves above creeks; Perennial; Flowering May-June;

Fruiting June-Oct

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G3 State Rank: S3

DISCLAIMER

PLANTS

Texas fescue Festuca versuta

Occurs in mesic woodlands on limestone-derived soils on stream terraces and canyon slopes; Perennial; Flowering/Fruiting April-June

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G3 State Rank: S3

Texas peachbush Prunus texana

Occurs at scattered sites in various well drained sandy situations; deep sand, plains and sand hills, grasslands, oak woods, 0-200 m elevation;

Perennial; Flowering Feb-Mar; Fruiting Apr-Jun

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3G4 State Rank: S3S4

Texas seymeria Seymeria texana

Found primarily in grassy openings in juniper-oak woodlands on dry rocky slopes but sometimes on rock outcrops in shaded canyons; Annual;

Flowering May-Nov; Fruiting July-Nov

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3 State Rank: S3

threeflower penstemon Penstemon triflorus ssp. triflorus

Occurs sparingly on rock outcrops and in grasslands associated with juniper-oak woodlands (Carr 2015).

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3T3 State Rank: S3

tree dodder Cuscuta exaltata

Parasitic on various Quercus, Juglans, Rhus, Vitis, Ulmus, and Diospyros species as well as Acacia berlandieri and other woody plants; Annual;

Flowering May-Oct; Fruiting July-Oct

Federal Status: State Status: SGCN: Y

Endemic: N Global Rank: G3 State Rank: S3

turnip-root scurfpea Pediomelum cyphocalyx

Grasslands and openings in juniper-oak woodlands on limestone substrates on the Edwards Plateau and in north-central Texas (Carr 2015).

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3G4 State Rank: S2S3

woolly butterfly-weed Gaura villosa ssp. parksii

Flats and hills of red sand of Rio Grande Plains (Raven and Gregory 1972). April-Oct.

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G5T3 State Rank: S3

DISCLAIMER

PLANTS

Wright's milkvetch Astragalus wrightii

On sandy or gravelly soils; April (Diggs et al. 1999).

Federal Status: State Status: SGCN: Y

Endemic: Y Global Rank: G3 State Rank: S3

ATTACHMENT F - ENDANGERED SPECIES

- **USFWS Threatened and Endangered Species List**
- TPWD Threatened and Endangered Species List



- Karst Features Survey Report
 - Species Impact Table
 - **Endangered Species Memo**



Project MEND - Wurzbach Rd and Crystal Run

San Antonio, Bexar County, Texas 78238

March 2020

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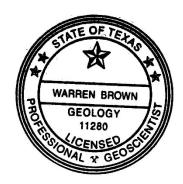
CITY OF SAN ANTONIO
NEIGHBORHOOD & HOUSING SERVICES
DEPARTMENT
DIVISION OF GRANTS MONITORING AND
ADMINISTRATION

Geologist Certification

Karst Features Survey Report: Project MEND development site - 3.4 acre lot located at the northeast corner of the intersection of Wurzbach Road and Crystal Run in San Antonio Bexar County, Texas

In accordance with the Texas Board of Professional Geologists rules at 22 Texas Administrative Code, Part 39, Chapter 851, Subchapter C, §851.156, this report is signed and sealed on the title page to assure the user that the work has been performed by or directly supervised by the following professional geologist who takes full responsibility for this work.

The computer-generated seal appearing on this document was authorized by Warren T. Brown, P.G. 11280, on March 23, 2020.



March 23, 2020

Warren T. Brown, Texas Professional Geoscientist No. 11280 Poznecki-Camarillo, Inc. Engineering Firm No. F-483

1. Jun J. Mars

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ACRONYMS AND ABBREVIATIONS

amsl Above mean sea level

AuC Austin silty clay, 2 to 5 percent slopes CDBG Community Development Block Grant

CoSA City of San Antonio

ESA Endangered Species Act

HUD Housing and Urban Development

KpgPecan Gap Chalk formationPCIPoznecki-Camarillo, Inc.USFWSU.S. Fish and Wildlife Service

USGS U.S. Geological Survey

1. Introduction

Project MEND is proposing to utilize U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant (CDBG) funds for construction of a new headquarters located at the northeast corner of the intersection of Wurzbach Road and Crystal Run in San Antonio, Bexar County Texas, 78238 in Council District 7. This facility will serve individuals living with disabilities, especially those who are low income, by providing access to services, equipment and training at a single facility. **Appendix A, Exhibit 1** provides a project location map.

The purpose of this survey is to conduct a preliminary evaluation of caves and karst features that may provide habitat to the nine federally-listed endangered karst invertebrate species currently known as endemic to Bexar County within the project limits.

In accordance with the U.S. Fish and Wildlife Service (USFWS), Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys for Endangered Karst Invertebrates in Central Texas (USFWS, 2015), a karst features survey was conducted for the project area. Poznecki-Camarillo, Inc. (PCI) performed this study under contract to the City of San Antonio, Neighborhood and Housing Services Department. The fieldwork was conducted on February 25, 2020.

2. Background Information

Karst feature survey protocols were developed pursuant to the USFWS' Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys for Endangered Karst Invertebrates in Central Texas (USFWS, 2015). As documented herein, the first step in assessing whether karst features of concern are present involves the performance of a karst feature survey.

Nine cave-dwelling invertebrates have been listed as endangered in Bexar County by USFWS (USFWS, 2000). These invertebrates have been reported in karst features (generally caves) in central, north, and northwest Bexar County. They include six arachnids: Madla's Cave Meshweaver (*Cicurina madla*), Robber Baron Cave meshweaver (*Cicurina baronia*), Bracken Bat Cave meshweaver (*Cicurina venii*), Government Canyon Bat Cave meshweaver (*Cicurina vespera*), Government Canyon Bat Cave spider (*Neoleptoneta microps*), and Cokendolpher Cave harvestman (*Texella cokendolpheri*). Also included are three insects: two unnamed ground beetles (*Rhadine exilis* and *R. infernalis*) and Helotes mold beetle (*Batrisodes venyivi*).

The Endangered Species Act (ESA) protects species listed by the USFWS and a "take" of threatened or endangered species is illegal. A "take" is defined as "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct." Thus, the removal of species habitat is considered a "take" and would violate the ESA. Threats considered to be potentially endangering to these species include the following: (1) destruction and/or deterioration of habitat by commercial, residential, and road construction; (2) filling of caves; (3) loss of permeable cover; (4) contamination from anthropogenic

sources such as septic effluent, sewage leaks, stormwater runoff, and pesticides; (5) predation by competition with non-native fire ants; and (6) vandalism.

Habitat requirements for the nine endangered invertebrate species include subsurface void spaces in permanent darkness, sufficient moisture to maintain high humidity conditions, and a source of organic (i.e. nutrient) material from the surface. Organic material can be washed into karst openings by stormwater runoff or infiltration, or brought in by small animals or other trogloxene species including non-endangered cave crickets and spiders. A trogloxene is defined as an organism that regularly or accidentally enters a cave but must return to the surface to maintain its existence. Karst features that can host these organisms include caves, sinkholes, enlarged rock joints, and other solution openings (i.e. solution cavities).

In 2002, the USFWS commissioned a study of the delineation of hydrogeologic areas and zones of endangered karst invertebrate species in Bexar County, Texas. As a result of the study, five karst zone types were delineated based on the ability to provide suitable habitat for karst invertebrates. Of primary significance for purposes of zone delineation was documented cave development (or cave development potential) within predominantly limestone formations of Bexar County including the Edwards Limestone, Glen Rose, Austin Chalk, and Pecan Gap Marl. These zones were defined as follows:

- **Zone 1 –** Areas known to contain listed invertebrate karst species.
- **Zone 2** Areas having a high probability of containing suitable habitat for listed invertebrate karst species.
- Zone 3 Areas that probably do not contain listed invertebrate karst species.
- Zone 4 Areas which require further research but are generally equivalent to Zone 3, although they may include sections which could be classified as Zone 2 or Zone 5 as more information becomes available.
- Zone 5 Areas which do not contain listed invertebrate karst species.

In accordance with the USFWS' Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys for Endangered Karst Invertebrates in Central Texas (USFWS, 2015), a karst features survey is required for projects located in Zones 1, 2, 3, and 4 in Bexar County. Based upon review of official USFWS karst zone maps (Veni and Associates, 2002), the project area is located entirely within Karst Zone 3, generally defined as areas that probably do not contain listed invertebrate species (Appendix A, Exhibit 2).

3. Site Description

For purposes of this karst feature survey, the "SITE" is defined as a 3.4-acre lot that contains no structures. The approximate street address of the SITE is 5001 Wurzbach Road in San Antonio, Bexar County, Texas 78238. The karst feature survey limits are depicted on **Appendix A, Exhibit 2**.

3.1 Soils

According to the Web Soil Survey of Bexar County, Texas, one soil type exists at the SITE (**Appendix A**, **Exhibit 3**). This soil type is described below in **Table 1**.

Table 1: Soil Map Unit

Soil Map Unit	Name	Acres within SITE	Description
AuC	Austin silty clay, 2 to 5 percent slopes	3.4	Residuum weathered from chalk, clay loam to silty clay; well drained; moderately-low permeability; does not meet hydric criteria

3.2 Geology

Stratigraphy

Information pertaining to geologic units present at the SITE was obtained from the *Geologic Atlas of Texas* – *San Antonio Sheet* (Bureau of Economic Geology, 1982) and other published references available through the U.S. Geological Survey (USGS) and other agencies. A map depicting geological units present within the SITE is provided in **Appendix A**, **Exhibit 4**.

As depicted in **Appendix A**, **Exhibit 4**, the SITE is underlain by one geological formation: the Pecan Gap Chalk (Kpg). The Pecan Gap Chalk formation is generally described as a glauconitic limestone with alternating intervals of soft, light to medium olive-gray limesand and hard, granular, dark bluish-gray limestone. The primary rock type is limestone and the secondary rock type is sand. Other rock types include clay or mud. The Pecan Gap Chalk is not generally considered to be a major cave-forming unit or a unit in which caves form. As a result, official karst zone maps indicate areas underlain by the Pecan Gap Chalk to be Karst Zone 3.

A review of published geological references including *The Caves of Bexar County, Second Edition* (Veni, 1988) indicates that there are no known karst features (caves) with documented occurrence of threatened or endangered karst invertebrate species located within the SITE. The closest known caves are located approximately 2 miles to the northwest of the SITE, near the intersection of E Lullwood Avenue and Gillespie Street. Further, according to the Probability Map for New Cave Discoveries in Bexar County, the SITE is located in an area mapped as "poor" (Veni, 1988).

Structure

One normal fault zone is mapped outside SITE boundaries, approximately 0.68-mile to the northwest as shown in **Appendix A**, **Exhibit 4**. This fault zone is oriented along the dominant northeast/southwest structural trend known as the Balcones Fault Zone (USGS Data Series #170).

3.3 Topography and Stormwater Drainage

According to the USGS topographic map of the SITE (**Appendix A**, **Exhibit 5**), the surface elevation at the SITE ranges from approximately 836 to 854 feet above mean sea level (amsl). In general, the SITE flows towards the west; stormwater drainage appears to follow the nearest topographic trends.

3.4 Surface Water

No surface water is present at the SITE. Huebner Creek is the nearest surface water body, which is located approximately 0.57-mile to the west.

4. Methodology

PCI conducted the karst features survey in accordance with USFWS' Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys for Endangered Karst Invertebrates in Central Texas (USFWS, 2015). The scope of this survey was to locate and provide preliminary field evaluations of karst and potential karst features that might contain suitable habitat for listed invertebrates. Published data on caves in the surrounding area were examined for their potential significance to the SITE.

The scope of this assessment did not include an evaluation of the structural development, subgrade extent, or the biological content (i.e. presence/absence of endangered cave invertebrate species) of potential karst features. Tasks included a review of available existing information on regional caves, topography, and geology of the project area; a walking survey to identify karst features; and a description and assessment of identified features.

Specific survey activities conducted by PCI in support of project objectives are summarized below:

- As discussed previously, available geologic references for the region were reviewed prior to conducting the field survey. References were consulted to collect and evaluate information pertaining to regional stratigraphy and lithologic units, and the occurrence of faults, fractures, sinkholes, caves, etc., within the SITE.
- Transects were walked in a general northeast-southwest orientation through the SITE at a maximum spacing of 10 meters (32.8 feet).

Following collection and review of background information, PCI conducted a site reconnaissance survey of the SITE to locate and describe karst features that could be potential suitable habitat for endangered species. The survey was conducted on February 25, 2020 by geologist Warren Brown, P.G. A total of two hours was spent searching for karst features. The ground survey was performed by walking parallel transects within the SITE. Closer spacing was used where vegetation obscured a clear view of the ground surface. Field staff also visually surveyed the portions of adjacent properties that were visible. Ground

visibility was very good throughout the project area, with the minor exception of the drainage easements being slightly over-grown. Field staff carefully surveyed for potential karst features, including depressions, holes, and animal burrows. Photographs of the reconnaissance are provided in **Appendix B**.

5. Conclusions

Based on PCI's results of the karst features survey as documented herein, no karst features were identified within the SITE. Therefore, PCI has concluded that there is a low level of environmental risk associated with the proposed project concerning endangered cave invertebrates. If a void is encountered during construction, excavation should stop immediately, and a qualified karst geologist/biologist should be contacted to perform an inspection/evaluation of the voids.

6. Definitions and Limitations

PCI makes no warranty, expressed or implied, as to the accuracy or completeness of the information provided by the various referenced information sources used during this survey. If any hidden or subsurface conditions are subsequently discovered, salient information should be forwarded to this office for possible reevaluation of the opinions and conclusions documented herein.

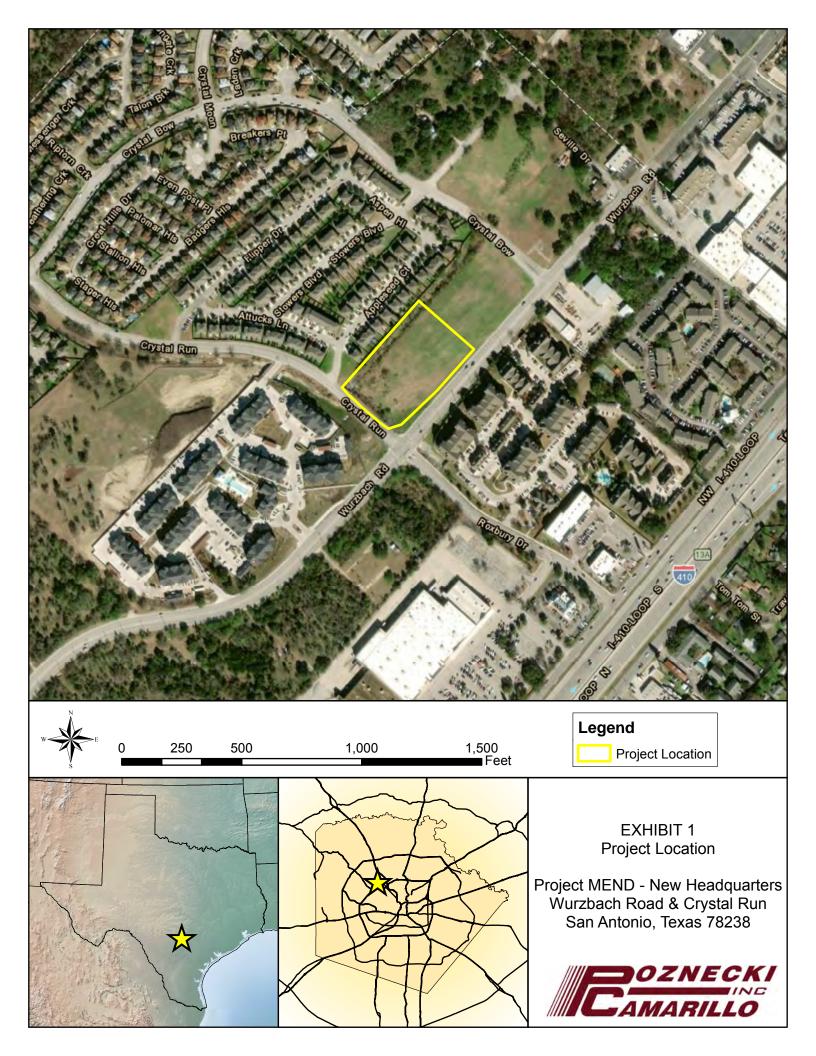
7. References Cited

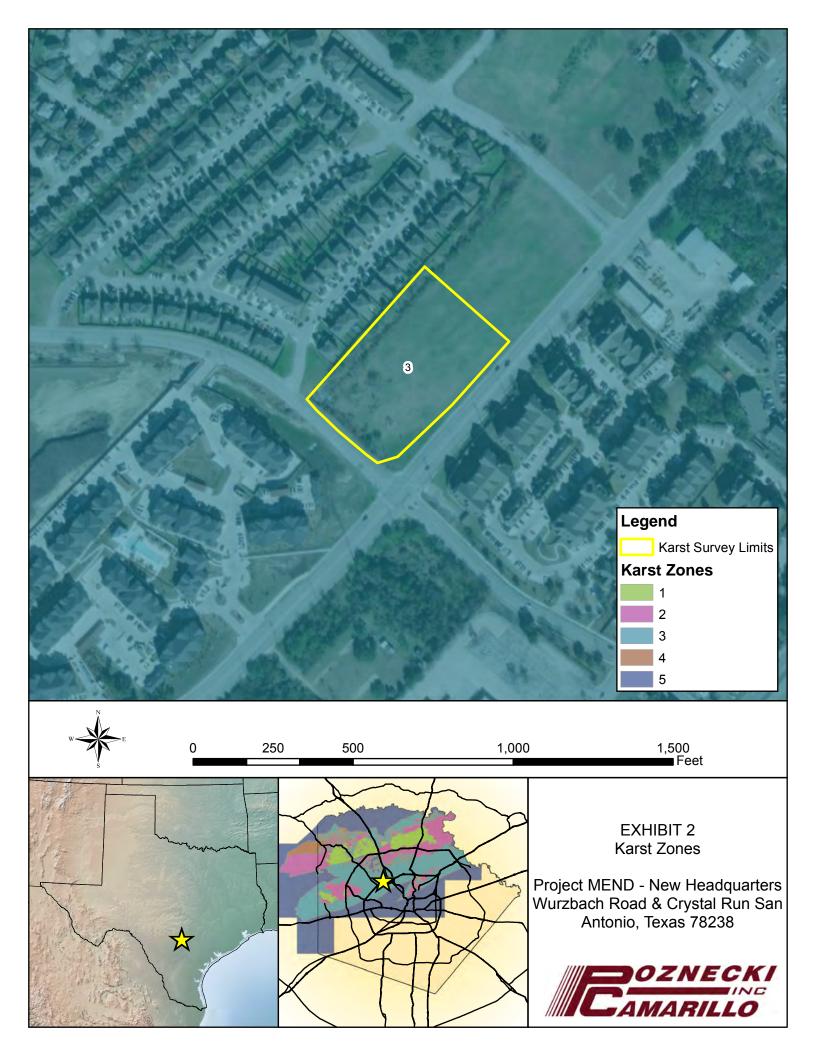
- Federal Register Volume 65, Number 248. Endangered and Threatened Wildlife and Plants; Final Rule to List Nine Bexar County, Texas Invertebrate Species as Endangered. December 26, 2000.
- George Veni & Associates. 2002. *Delineation of Hydrogeologic Areas and Zones for the Management and Recovery of Endangered Karst Invertebrate Species in Bexar County, Texas.* Prepared for U.S. Fish and Wildlife Service. December 23, 2002.
- University of Texas, Bureau of Economic Geology. 1982. *Geologic Atlas of Texas, San Antonio Sheet.* Revised 1982.
- U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS). *Web Soil Survey*. Accessed on March 20, 2020 at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm
- U.S. Fish and Wildlife Service (USFWS). 2015. United States Fish and Wildlife Service, Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys for Endangered Karst Invertebrates in Central Texas. USFWS, Austin Ecological Services Field Office. Revised May 21, 2015.
- U.S. Geological Survey (USGS). 2018. San Antonio West Quadrangle, Texas-Bexar Co., 7.5-Minute Series.

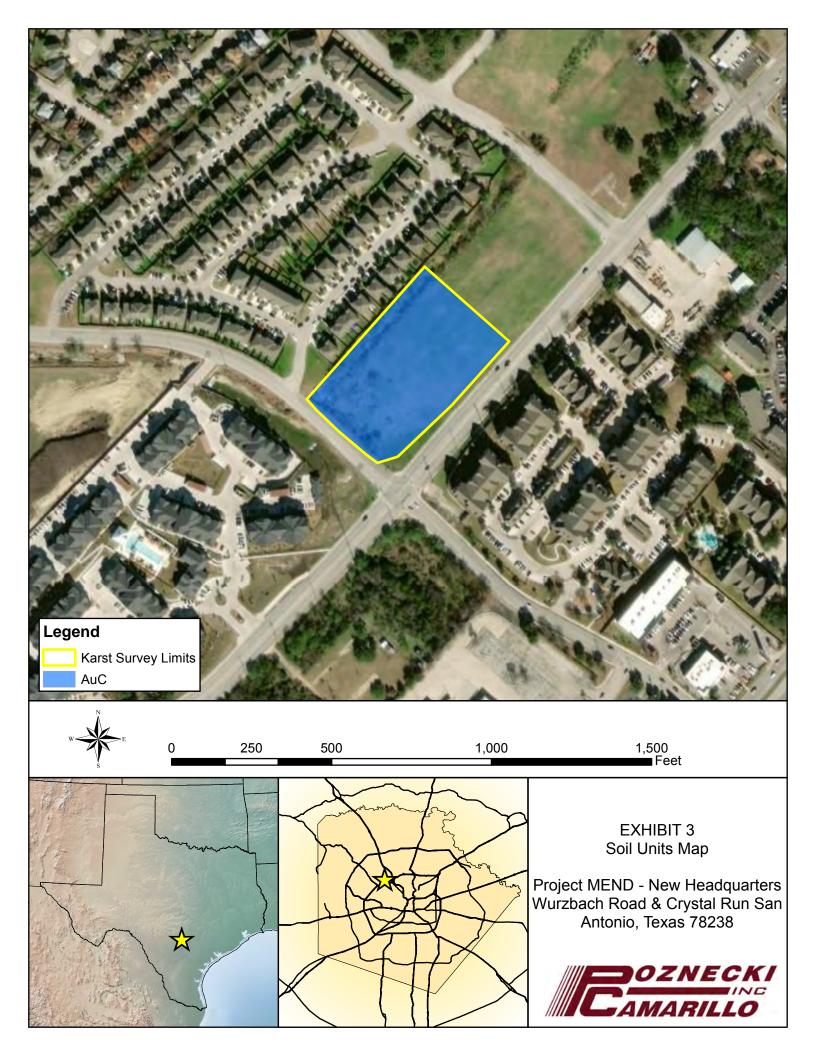
- Stoeser, D.B., Shock, Nancy, Green, G.N., Dumonceaux, G. M., and Heran, W.D., in press, A Digital Geologic Map Database for the State of Texas: U.S. Geological Survey Data Series number 170.
- Veni, George. 1988. *The Caves of Bexar County.* Texas Memorial Museum, University of Texas at Austin. 2nd Edition.

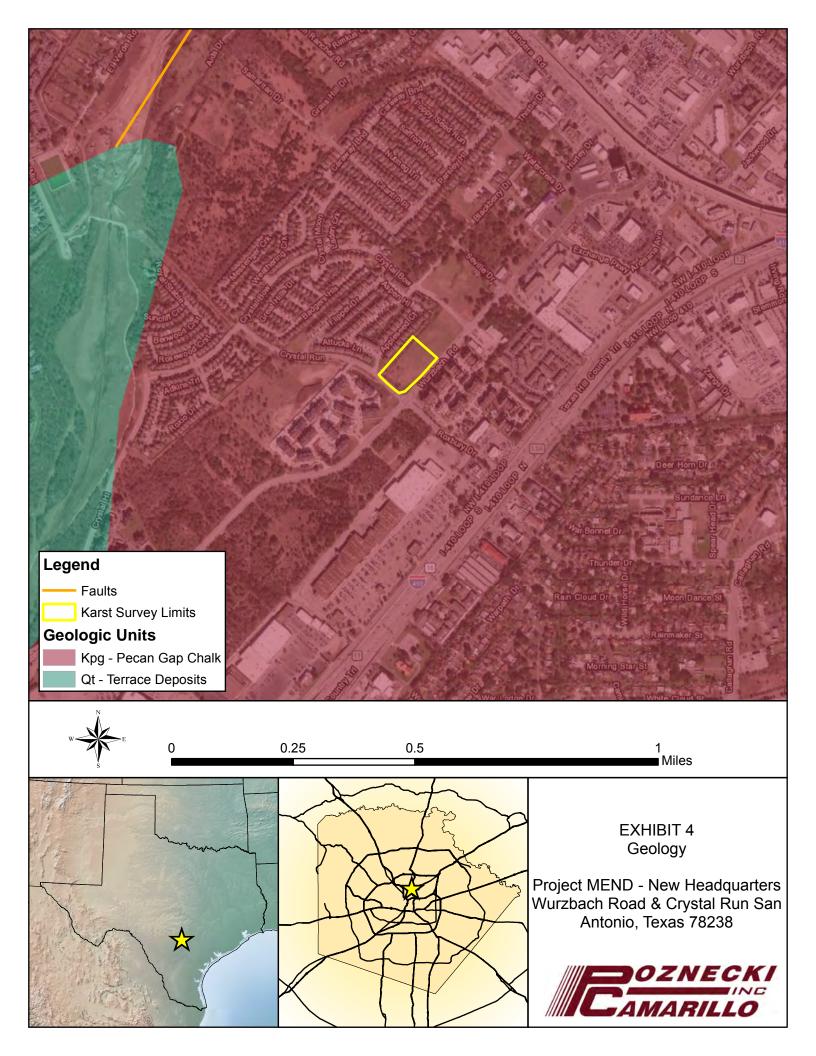
Appendix A

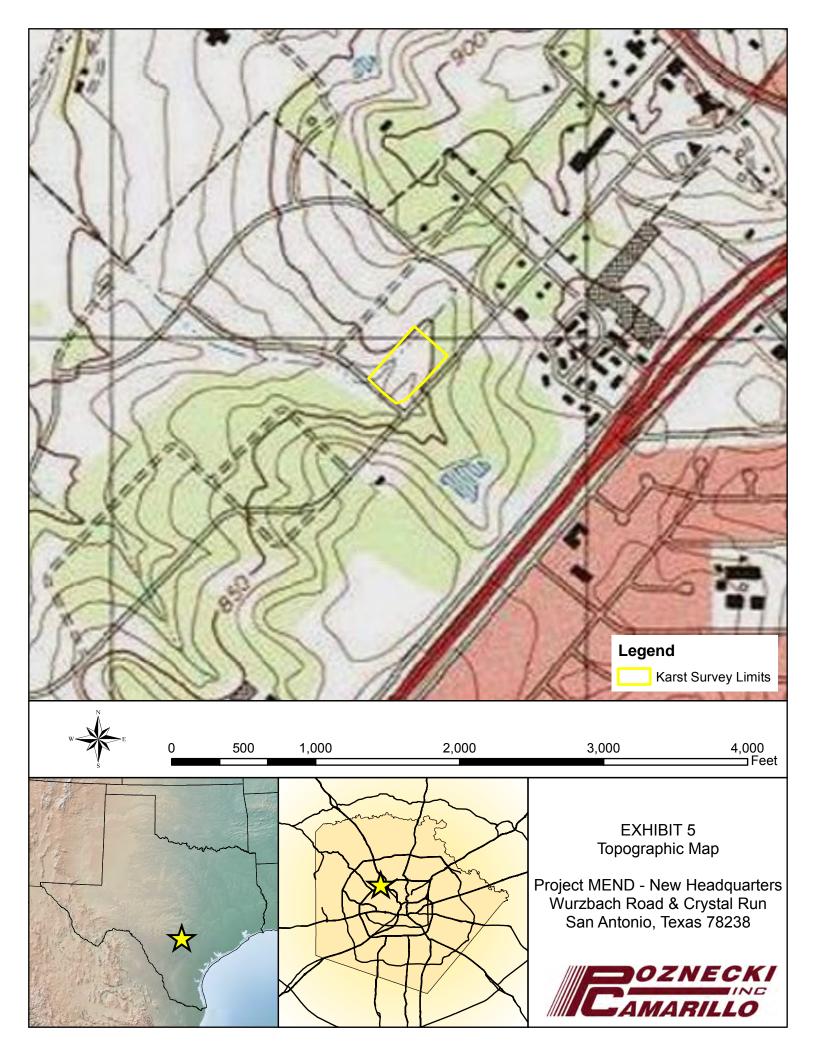
Exhibits











Appendix B
Site Photographs

CAMARILLO

PHOTOGRAPHIC LOG

Client Name: CoSA-Neighborhood & Housing

Site Location: Project MEND – Wurzbach Rd

& Crystal Run, San Antonio, TX

Project No.: 17012-57

Photo No.: 1
Date: 2/25/2020
Direction: north
Description: Street
view of the site:

overgrown drainage on the left, and pile of concrete and rebar on

the right.



Photo No.: 2

Date: 2/25/2020

Direction: east

Description: View of open portion of the site.



CAMARILLO

PHOTOGRAPHIC LOG

Client Name: CoSA-Neighborhood & Housing

Site Location: Project MEND – Wurzbach Rd & Crystal Run, San Antonio, TX

Project No.: 17012-57

Photo No.: 3
Date: 2/25/2020
Direction: west

Description: View of drainage easement along the northern border of

the Site.



Photo No.: 4 Date: 2/25/2020

Direction: west
Description: View of

drainage confluence at the western corner of the

Site.



ATTACHMENT F - ENDANGERED SPECIES

- USFWS Threatened and Endangered Species List
- TPWD Threatened and Endangered Species List
 - Karst Features Survey Report
 - Species Impact Table
 - Endangered Species Memo

Species Impact Table Project MEND Facility Development

Species	Federal Status	State Status	Preferred Habitat	Habitat Present?	Species Effect	Justification				
AMPHIBIANS										
San Marcos Salamander Eurycea nana	LT		Clear, flowing spring water coming from the headwaters of the San Marcos River	No	No effect	This species is only found in the San Marcos River, in Hays County, Texas.				
Texas Blind Salamander Typhlomolge rathbuni	LE		Water-filled caves of the Edwards Aquifer near San Marcos, Texas	No	No effect	The proposed project is not located near San Marcos.				
			ARACHNIDS	•						
Braken Bat Cave Meshweaver Cicurina venii	LE		Small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.				
Cokendolpher Cave Harvestman Texella cokendolpheri	LE		Small, eyeless harvestman; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.				
Government Canyon Bat Cave Meshweaver Cicurina vespera	LE		Small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.				
Government Canyon Bat Cave Spider Neoleptoneta microps	LE		Small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.				

Species	Federal Status	State Status	Preferred Habitat	Habitat Present?	Species Effect	Justification
Madla's Cave Meshweaver Cicurina madla	LE		Small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.
Robber Baron Cave Meshweaver Cicurina baronia	LE		Small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.
			BIRDS			
Golden-Cheeked Warbler Dendroica chrysoparia	LE	Е	Juniper-oak woodlands; dependent on Ashe juniper (also known as cedar) for long fine bark strips, only available from mature trees, used in nest construction; nests are placed in various trees other than Ashe juniper; only a few mature junipers or nearby cedar brakes can provide the necessary nest material; forage for insects in broad-leaved trees and shrubs; nesting late March-early summer	No	No effect	The project area does not contain oakjuniper woodlands.
Interior Least Tern Sterna antillarum athalassos	LE	E	Subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also known to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc.); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony	No	No effect	According to the USFWS IPaC Resource Report for the project area, this species only needs to be considered for wind energy projects.
Piping Plover Charadrius melodus	LT	Т	Usually nest above the high tide line on coastal beaches, sand flats at the ends of sandpits and barrier islands, gently sloping fore dunes, blowout areas behind primary dunes, sparsely vegetated dunes, and wash over areas cut into or between dunes; feeding areas include inter-tidal portions of ocean beaches, wash over areas, mudflats, sand flats, wrack lines, and shorelines of coastal ponds, lagoons, or salt marshes; wintering plovers on the Atlantic Coast are generally found at accreting ends of barrier islands, along sandy peninsulas, and near coastal inlets	No	No Effect	According to the USFWS IPaC Resource Report for the project area, this species only needs to be considered for wind energy projects.

Species	Federal Status	State Status	Preferred Habitat	Habitat Present?	Species Effect	Justification
Red Knot Calidris canutus rufa	LT		Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. A small plump-bodied, short-necked shorebird that in breeding plumage, typically held from May through August, is a distinctive and unique pottery orange color. Its bill is dark, straight and, relative to other shorebirds, short-to-medium in length. After molting in late summer, this species is in a drab gray-and-white non-breeding plumage, typically held from September through April. In the non-breeding plumage, the knot might be confused with the omnipresent Sanderling. During this plumage, look for the knot's prominent pale eyebrow and whitish flanks with dark barring. The Red Knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Primary prey items include coquina clam (<i>Donax spp.</i>) on beaches and dwarf surf clam (<i>Mulinia lateralis</i>) in bays, at least in the Laguna Madre. Wintering Range includes-Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kennedy, Kleberg, Matagorda, Nueces, San Patricio, and Willacy. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetlands, and Tidal flat/shore.	No	No effect	According to the USFWS IPaC Resource Report for the project area, this species only needs to be considered for wind energy projects.
Whooping Crane Grus americana	LE	E	Potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	No	No effect	The project area is not located within the breeding or wintering range of this species. During migration, this species typically utilizes marshes, shallow lakes, lagoons, salt flats, grain and stubble fields, an barrier islands, none of which exist in the project area.
Golden Orb Quadrula aurea	С	Т	Sand and gravel in some locations and mud at others; found in lentic and lotic; Guadalupe, San Antonio, Lower San Marcos, and Nueces River basins	No	No effect	No suitable water features are located within the project area.

Species	Federal Status	State Status	Preferred Habitat	Habitat Present?	Species Effect	Justification
Texas Fatmucket Lampsilis bracteata	С		Streams and rivers on sand, mud, and gravel substrates; intolerant of impoundment; broken bedrock and course gravel or sand in moderately flowing water; Colorado and Guadalupe River Basins	No	No effect	No streams or rivers are located within the project area.
Texas Pimpleback Quadrula petrina	С		Mud, gravel, and sand substrates, generally in areas with slow flow rates; Colorado and Guadalupe river basins	No	No effect	No suitable water features are located within the project area.
			CRUSTACEANS			
Peck's Cave Amphipod (Stygobromus pecki)	LE		Subterranean; Edwards Aquifer springs with steady spring flows and clean water	No	No effect	No springs are located within the project area.
			FISHES			
Fountain Darter (Etheostoma fonticola)	LE		Clean, spring-fed waters with bottom vegetation.	No	No effect	No spring-fed waters are located within the project area.
			INSECTS			
Comal Springs Dryopid Beetle (Stygoparnus comalensis)	LE		Subterranean, aquatic obligate; collected in several outlets of Comal Springs	No	No effect	Comal Springs is not located within the project area.
Comal Springs Riffle Beetle (Heterelmis comalensis)	LE		Gravel substrates and shallow riffles in spring runs; headwater springs on hard-packed gravel substrate	No	No effect	Springs or spring runs are not located within the project area.
[Unnamed] Ground Beetle (Rhadine exilis)	LE		Small, essentially eyeless ground beetle; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.
[Unnamed] Ground Beetle (Rhadine infernalis)	LE		Small, essentially eyeless ground beetle; karst features in north and northwest Bexar County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to endangered karst invertebrate species as suitable habitat is not present.
Helotes Mold Beetle (Batrisodes venyivi)	LE		Small, eyeless mold beetle; karst features in northwestern Bexar County and northeastern Medina County	No	No effect	An initial karst features survey was conducted of the project area, which did not identify any karst features. Therefore, there would be no effect to

Species	Federal Status	State Status	Preferred Habitat	Habitat Present?	Species Effect	Justification
						endangered karst invertebrate species as suitable habitat is not present.
			PLANTS			
Bracted Twistflower (Streptanthus bracteatus)	С		Texas endemic; shallow, well-drained gravelly clays and clay loams over limestone in oak juniper woodlands and associated openings, on steep to moderate slopes and in canyon bottoms; several known soils include Tarrant, Brackett, or Speck over Edwards, Glen Rose, and Walnut geologic formations; populations fluctuate widely from year to year, depending on winter rainfall; flowering mid-April-late May, fruit matures and foliage withers by early summer	No	No effect	Oak-juniper woodlands are not located within the project area.
Texas Wild-Rice (Zizania texana)	LE		Clear, flowing waters of spring origin with relatively constant year-round temperature of 21 to 25 degrees C.	No	No effect	Suitable water features are not located within the project area.

ATTACHMENT F - ENDANGERED SPECIES

- USFWS Threatened and Endangered Species List
- TPWD Threatened and Endangered Species List
 - Karst Features Survey Report
 - Species Impact Table



Endangered Species Memo

Intradepartmental Correspondence

Environmental Review Record TO:

Laura Salinas-Martinez, Certifying Officer Laura Salinas-Martinez Date: 2020.05.07 1223:32 -05'00' FROM:

Endangered Species Determination - Project MEND Facility Development, Wurzbach and SUBJECT:

Crystal Run., San Antonio, Texas 78238

DATE: May 7, 2020

The purpose of this memo is to document the "No Effect" Determination for Endangered Species in the Environmental Review Record.

Project MEND is proposing to utilize U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant (CDBG) funds for the new construction of a combined warehouse and administrative building located at Wurzbach Road and Crystal Run in, San Antonio, Texas 78238. The proposed combined warehouse and administrative building would be constructed on a 3,3-acre parcel that is currently undeveloped. The proposed project would provide a facility where individuals living with disabilities, especially those who are low-income, would be able to access all services, equipment, and training at a single facility. The new facility would also include space to provide program services to clients, a medical equipment warehouse, and repair center.

According to the U.S. Fish and Wildlife Service (USFWS) and Texas Parks and Wildlife Department (TPWD), there are 25 species (2 amphibians, 6 arachnids, 5 birds, 3 clams, 1 crustacean, 1 fish, 2 flowering plants, and 5 insects) that are federally listed as threatened, endangered, or candidate species that have the potential to occur in the project area. However, the proposed project would not occur within suitable habitat for any listed species. Therefore, the project is likely to have "No Effect" on federally protected species.

According to the USFWS, the project area is not located within 1.5 miles of a critical habitat unit. The project area is located within Karst Zone 3, which is defined as areas that probably do not contain endangered karst invertebrate species. An initial karst features survey was conducted of the project area in March 2020; no karst features were identified within the project area. Therefore, the proposed project is likely to have "No Effect" on endangered invertebrate species or on critical habitat.

Based on the statements above, it is the determination of the City of San Antonio that the activities are likely to have "No Effect" on federally protected species. Thus, informal consultation with the USFWS or the National Marine Fisheries Service (Services) is not necessary.

¹ The USFWS' threatened and endangered species list for the project area was accessed on April 15, 2020.

ATTACHMENT G – EXPLOSIVE AND FLAMMABLE HAZARDS

TCEQ Central Registry Search

• Acceptable Separation Distance Calculations



ABOVEGROUND STORAGE TANKS

Central Registry Query Results

(as of April 21, 2020)

The Central Registry Query was searched for registered and unregistered, active or planned Petroleum Storage Tank facilities with aboveground storage tanks within one-mile of the proposed Project MEND project.

Ancira Winton Cheverlet (located 0.6 mile northeast of Project MEND)		
RN Number	RN100646678	
Primary Business	No primary business on file	
Street Address	6111 Bandera Rd., San Antonio, TX 78238	
County	Bexar	
Nearest City	San Antonio	
State	TX	
Near Zip Code	78238	
Physical Location	No physical location description on file	

Active or Planned Aboveground Storage Tanks (Petroleum Storage Tank Registration #75920)

Tank #	1
Capacity	4,000 gallons
Status	In use
Date Installed	March 28, 2003
Date Registered	July 14, 2003
Out of Use	
Substance Stored	Gasoline
Material of Construction	Steel
Containment	
Vapor Recovery	Stage 1: Two Point System 3/28/2003

Cavender Toyota (located 0.5 mile east of Project MEND)		
RN Number	RN100644582	
Primary Business	No primary business description on file	
Street Address	5730 NW Loop 410, San Antonio, TX 78238	
County	Bexar	
Nearest City	San Antonio	
State	TX	
Near Zip Code	78238	
Physical Location	No physical location description on file	

Active or Planned Aboveground Storage Tanks (Petroleum Storage Tank Registration #73733)

Tank #	1
Capacity	4,000 gallons
Status	In use
Date Installed	November 3, 2000
Date Registered	December 29, 2000
Out of Use	
Substance Stored	Gasoline
Material of Construction	Steel
Containment	
Vapor Recovery	Stage 1: Not reported

RSC Equipment Rental 691 (located 0.1 mile northeast of Project MEND)		
RN Number	RN102385614	
Primary Business	No primary business description on file	
Street Address	5120 Wurzbach Rd., San Antonio, TX 78238	
County	Bexar	
Nearest City	San Antonio	
State	TX	
Near Zip Code	78238	
Physical Location	No physical location description on file	

Active or Planned Aboveground Storage Tanks (Petroleum Storage Tank Registration #73733)

Tank #	1
Capacity	2,000 gallons
Status	In use
Date Installed	April 1, 1996
Date Registered	November 6, 1997
Out of Use	
Substance Stored	Diesel
	Gasoline

Material of Construction	Steel
Containment	
Vapor Recovery	Stage 1: Exempt by TCEQ Rule

ATTACHMENT G – EXPLOSIVE AND FLAMMABLE HAZARDS

• TCEQ Central Registry Search

Acceptable Separation Distance Calculations

Home (/) > Programs (/programs/) > Environmental Review (/programs/environmental-review/) > ASD Calculator

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft² - hr - people and 10,000 BTU/ft² - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	Yes: ☑ No: □
Is the container under pressure?	Yes: ☐ No: ☑
Does the container hold a cryogenic liquified gas?	Yes: No:
Is the container diked?	Yes: ☐ No: ☑
What is the volume (gal) of the container?	4000
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	492.74
ASD for Thermal Radiation for Buildings (ASDBPU)	95.44
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options (/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us** (https://www.hudexchange.info/contact-us/) form.

Related Information

- ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tooluser-guide/)
- ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)

The proposed project is located approximately 3,488-feet away from Ancira Winton Cheverlet and is at an ASD to the AST.

Home (/) > Programs (/programs/) > Environmental Review (/programs/environmental-review/) > ASD Calculator

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft² - hr - people and 10,000 BTU/ft² - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

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Acceptable Separation Distance Assessment Tool

Is the container above ground?	Yes: ☑ No: □
Is the container under pressure?	Yes: ☐ No: ☑
Does the container hold a cryogenic liquified gas?	Yes: No:
Is the container diked?	Yes: ☐ No: ☑
What is the volume (gal) of the container?	4000
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	492.74
ASD for Thermal Radiation for Buildings (ASDBPU)	95.44
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options (/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)

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Related Information

- ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tooluser-guide/)
- ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)

The proposed project is located approximately 3,723-feet away from Cavender Toyota and is at an ASD to the AST.

Home (/) > Programs (/programs/) > Environmental Review (/programs/environmental-review/) > ASD Calculator

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft² - hr - people and 10,000 BTU/ft² - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	Yes: ☑ No: □
Is the container under pressure?	Yes: ☐ No: ☑
Does the container hold a cryogenic liquified gas?	Yes: No:
Is the container diked?	Yes: ☐ No: ☑
What is the volume (gal) of the container?	2000
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	369.16
ASD for Thermal Radiation for Buildings (ASDBPU)	69.27
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options (/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

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Related Information

- ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tooluser-guide/)
- ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)

The proposed project is located approximately 610-feet away from RSC Equipment Rental 691 and is at an ASD to the AST.

ATTACHMENT H – HISTORIC PRESERVATION

- Tribal Coordination Letters
- Coushatta Tribe of Louisiana Response
 - Tribal Consultation Memo
- THC Coordination for Historic Resources
- THC Concurrence for Historic Resources



February 11, 2020

Bryant Celestine, Tribal Historic Preservation Officer Alabama-Coushatta Tribe of Texas 571 State Park Road 56 Livingston, TX 77351

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Mr. Celestine,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of San Antonio is conducting a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. The City would respectfully invite the tribe to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to the tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

If the tribe would like to be a consulting party on this project, to meet project timeframes, please let us know of the tribe's interest within 30 days. If there are initial concerns with impacts of the project on religious or cultural properties, please note them in your response.

The project consists of the following scope of work: CDBG funds will be used to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit. Enclosed aremaps and an artist rendering of the project area.

HUD's process for tribal consultation under Section 106 is described in HUD Notice CPD-12-006. HUD Notice CPD-12-006 can be viewed at this web address:

http://portal.hud.gov/hudportal/documents/huddoc?id=env notice tribe con.pdf

For more information on the Section 106 review process the following link is available: https://www.onecpd.info/resource/2813/historic-preservation-basics/

If the tribe does not wish to consult on this project, please feel free to contact my office via email at GMAERR@sanantonio.gov or by letter. If the tribe does wish to consult, the City respectfully requests a written response including the name and contact information for the tribe's principal representative for the consultation.

The City of San Antonio values the tribe's assistance and looks forward to consulting further if there are historic properties of religious and cultural significance that may be affected by this project.

Sincerely,

Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

Attachments



Date: February 6, 2020

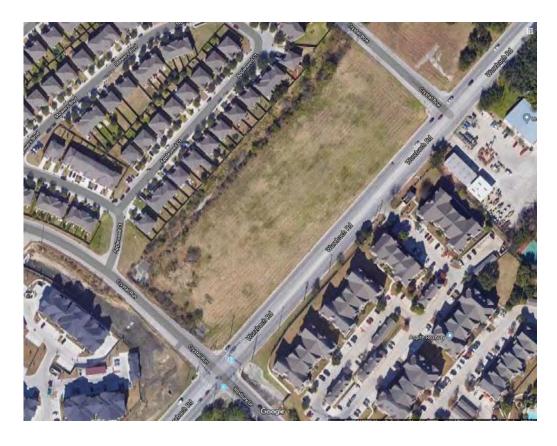
Project: Facility Improvement

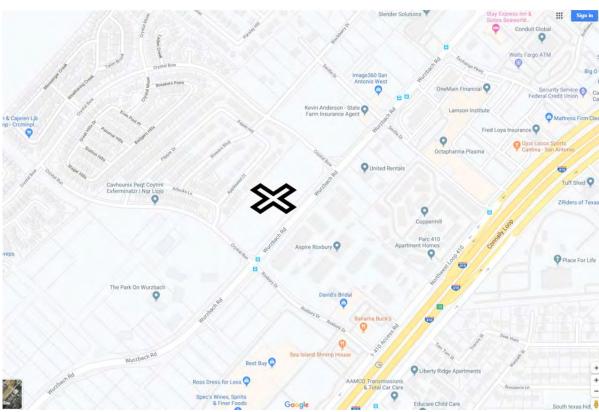
Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

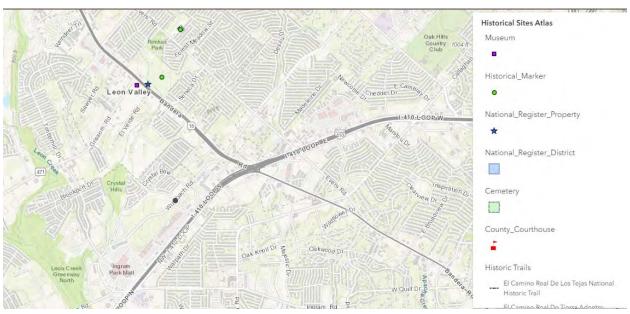
Project Description

Project Mend is requesting \$250,000 in CDBG funds to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit.













February 11, 2020

Nita Battise, Chairperson Alabama-Coushatta Tribe of Texas 571 State Park Road 56 Livingston, TX 77351

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Ms. Battise,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of San Antonio is conducting a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. The City would respectfully invite the tribe to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to the tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

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The project consists of the following scope of work: CDBG funds will be used to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit. Enclosed aremaps and an artist rendering of the project area.

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If the tribe does not wish to consult on this project, please feel free to contact my office via email at GMAERR@sanantonio.gov or by letter. If the tribe does wish to consult, the City respectfully requests a written response including the name and contact information for the tribe's principal representative for the consultation.

The City of San Antonio values the tribe's assistance and looks forward to consulting further if there are historic properties of religious and cultural significance that may be affected by this project.

Sincerely,

Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

Attachments



Date: February 6, 2020

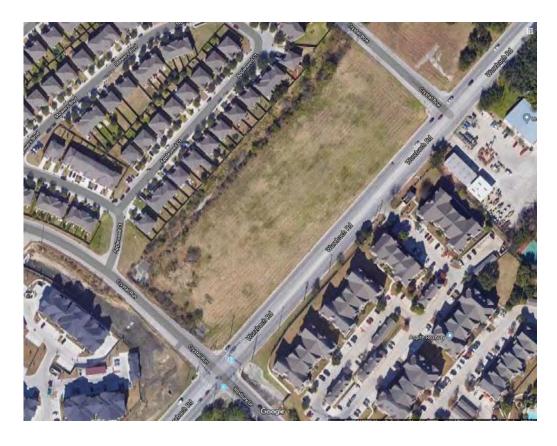
Project: Facility Improvement

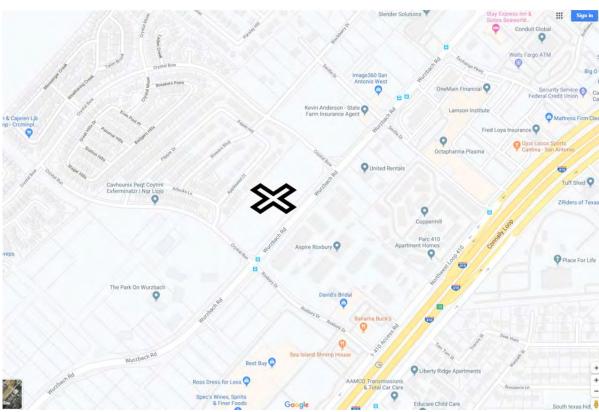
Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

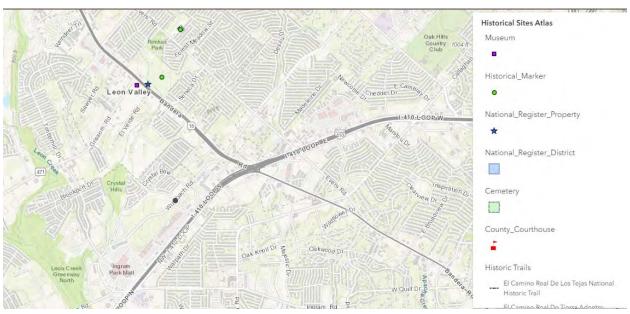
Project Description

Project Mend is requesting \$250,000 in CDBG funds to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit.













February 11, 2020

Bob Komardley, Chairman Apache Tribe of Oklahoma PO Box 1330 Anadarko, OK 73005

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Mr. Komardley,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of San Antonio is conducting a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. The City would respectfully invite the tribe to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to the tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

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For more information on the Section 106 review process the following link is available: https://www.onecpd.info/resource/2813/historic-preservation-basics/

If the tribe does not wish to consult on this project, please feel free to contact my office via email at GMAERR@sanantonio.gov or by letter. If the tribe does wish to consult, the City respectfully requests a written response including the name and contact information for the tribe's principal representative for the consultation.

The City of San Antonio values the tribe's assistance and looks forward to consulting further if there are historic properties of religious and cultural significance that may be affected by this project.

Sincerely,

Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

Attachments



Date: February 6, 2020

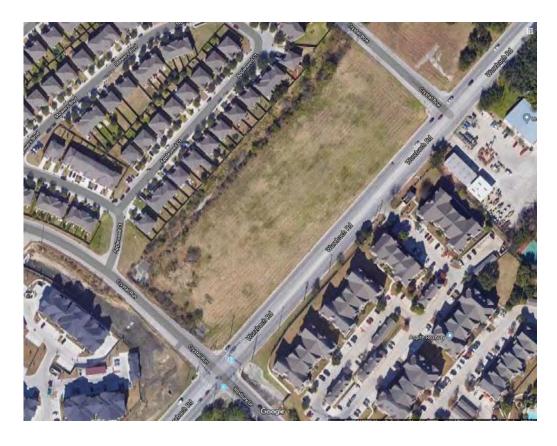
Project: Facility Improvement

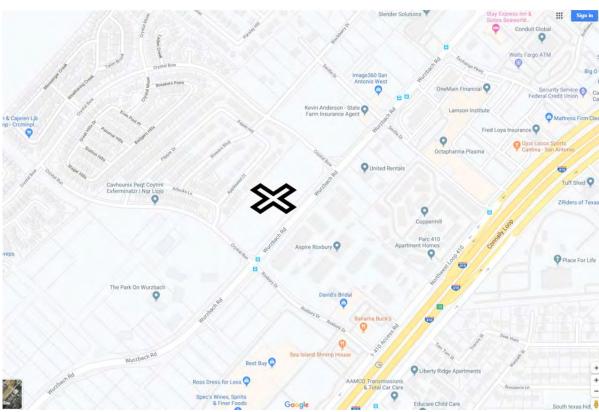
Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

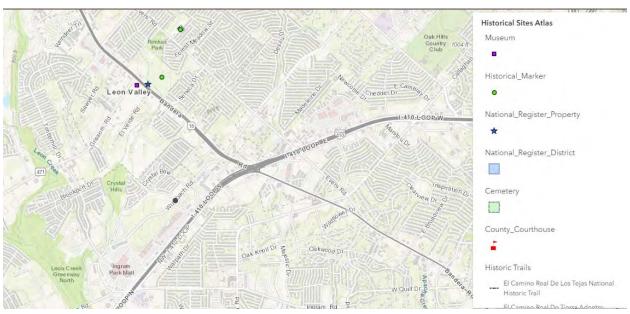
Project Description

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February 11, 2020

Martina Callahan, Tribal Historic Preservation Officer Comanche Nation, Oklahoma 6 SW D Avenue Lawton, OK 73502

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Ms. Callahan,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of San Antonio is conducting a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. The City would respectfully invite the tribe to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to the tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

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The City of San Antonio values the tribe's assistance and looks forward to consulting further if there are historic properties of religious and cultural significance that may be affected by this project.

Sincerely,

Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

Attachments



Date: February 6, 2020

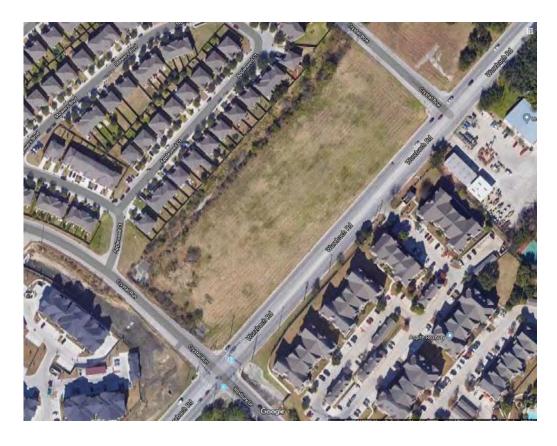
Project: Facility Improvement

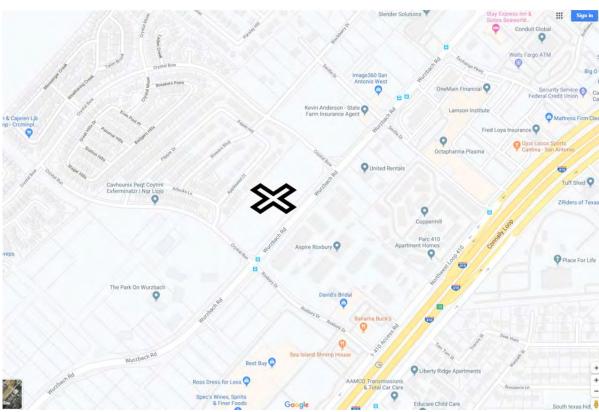
Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

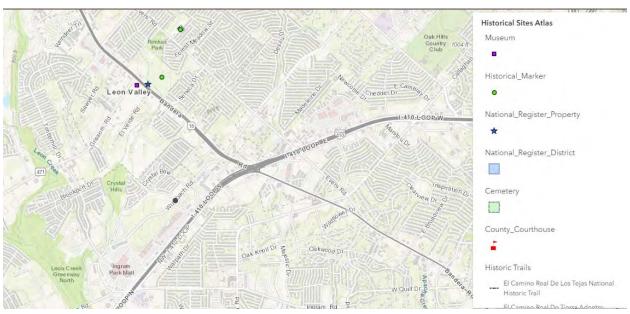
Project Description

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William Nelson, Chairman Comanche Nation, Oklahoma PO Box 908 Lawton, OK 73502

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Mr. Nelson,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of San Antonio is conducting a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. The City would respectfully invite the tribe to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to the tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

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The City of San Antonio values the tribe's assistance and looks forward to consulting further if there are historic properties of religious and cultural significance that may be affected by this project.

Sincerely,

Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

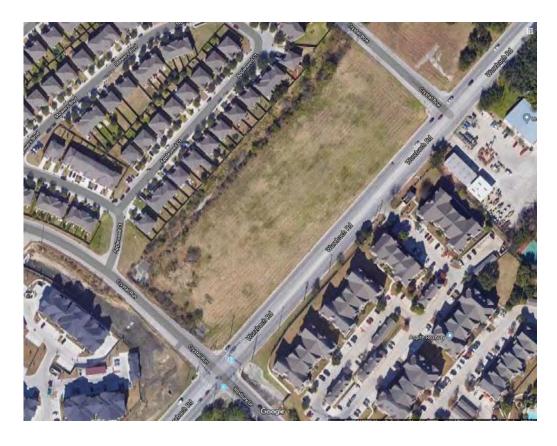


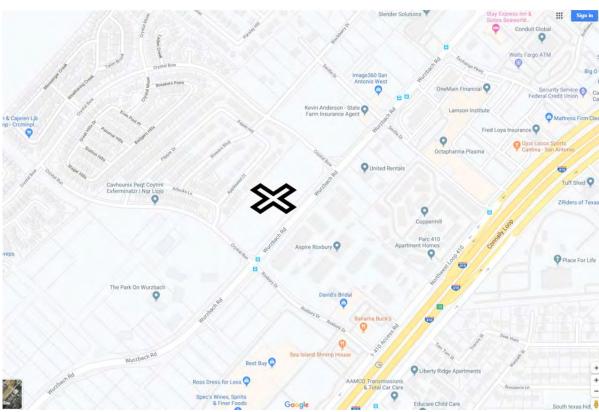
Project: Facility Improvement

Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

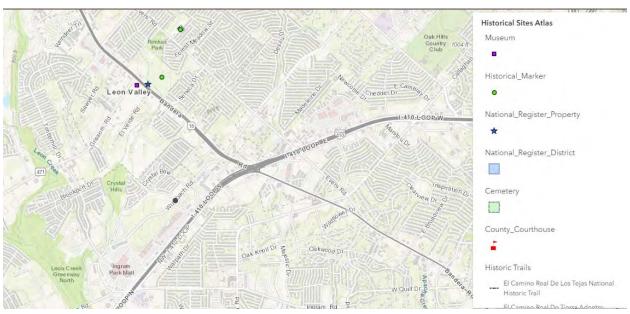
HUD Funds: CDBG Funds

Project Description













Linda Langley, Tribal Historic Preservation Officer Coushatta Tribe of Louisiana PO Box 10 Elton, LA 70532

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Ms. Langley,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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The project consists of the following scope of work: CDBG funds will be used to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit. Enclosed aremaps and an artist rendering of the project area.

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The City of San Antonio values the tribe's assistance and looks forward to consulting further if there are historic properties of religious and cultural significance that may be affected by this project.

Sincerely,

Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

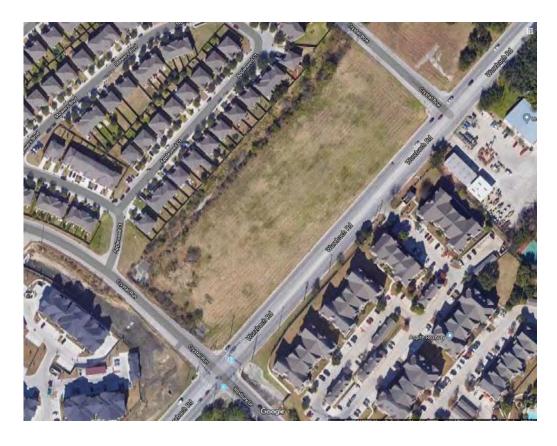


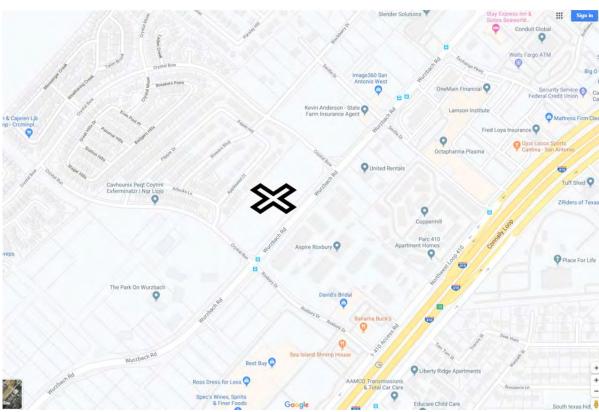
Project: Facility Improvement

Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

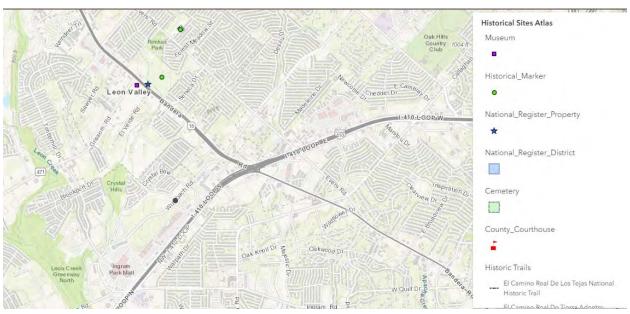
HUD Funds: CDBG Funds

Project Description













David Sickey, Chairman Coushatta Tribe of Louisiana PO Box 818 Elton, LA 70532

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Mr. Sickey,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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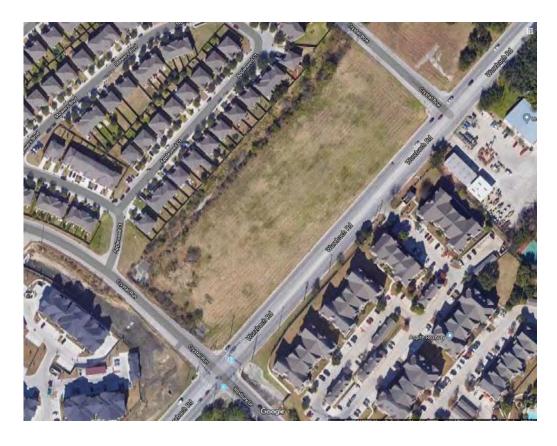


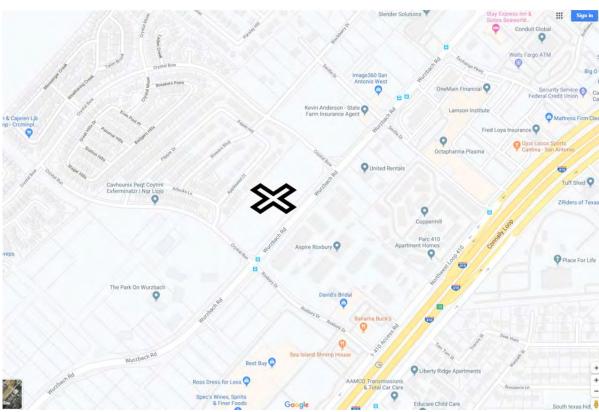
Project: Facility Improvement

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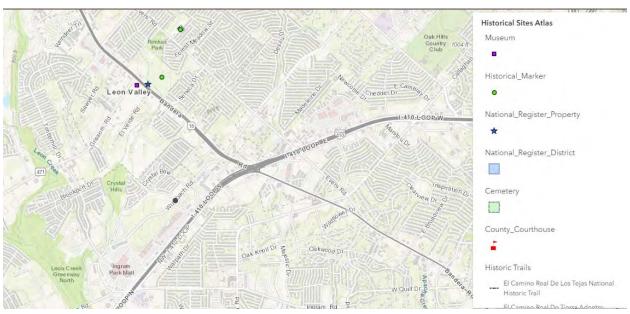
HUD Funds: CDBG Funds

Project Description













Danny Breuninger, President Mescalero Apache Tribe of the Mescalero Reservation, New Mexico **PO Box 227** Mescalero, NM 88340-0227

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Mr. Breuninger,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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San Antonio Certifying Officer

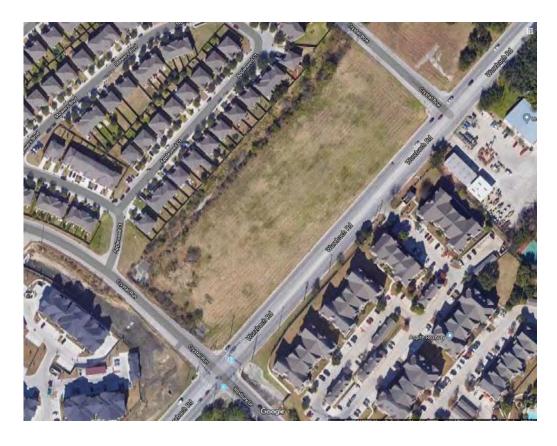


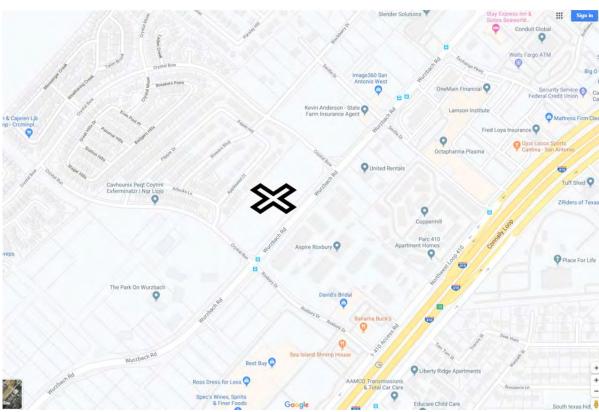
Project: Facility Improvement

Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

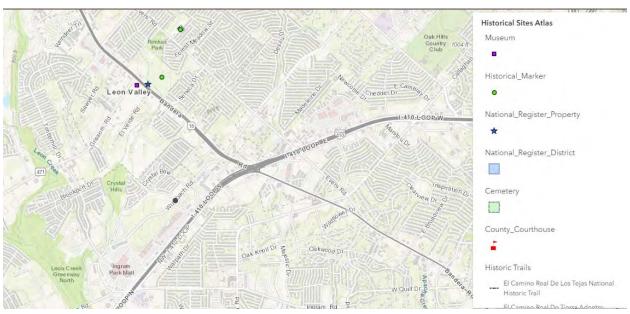
HUD Funds: CDBG Funds

Project Description













Holly Houghten, Tribal Historic Preservation Officer Mescalero Apache Tribe of the Mescalero Reservation, New Mexico **PO Box 227** Mescalero, NM 88340

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Ms. Houghten,

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San Antonio Certifying Officer

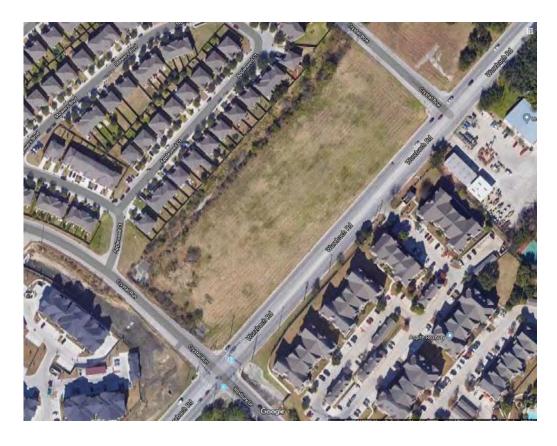


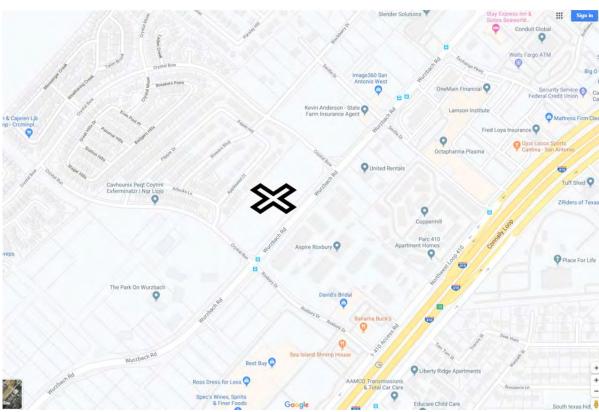
Project: Facility Improvement

Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

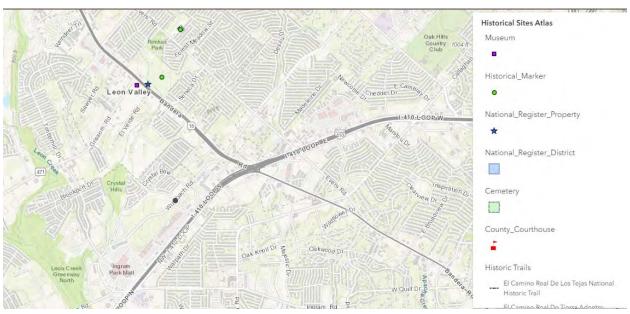
HUD Funds: CDBG Funds

Project Description













Lauren Norman-Brown, Tribal Historic Preservation Officer Tonkawa Tribe of Indians of Oklahoma 1 Rush Buffalo Road Tonkawa, OK 74653

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Ms. Norman-Brown,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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San Antonio Certifying Officer

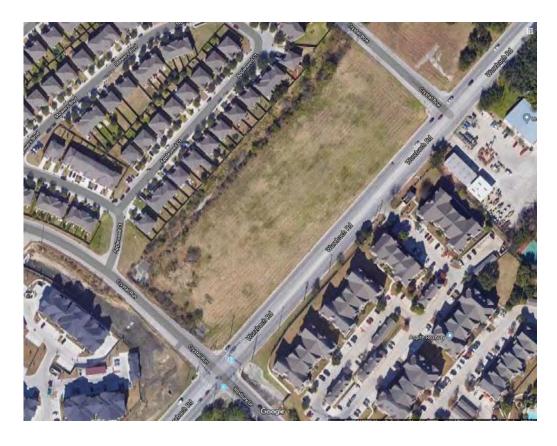


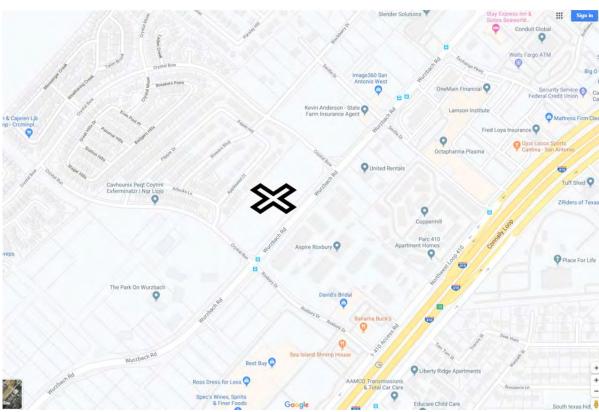
Project: Facility Improvement

Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

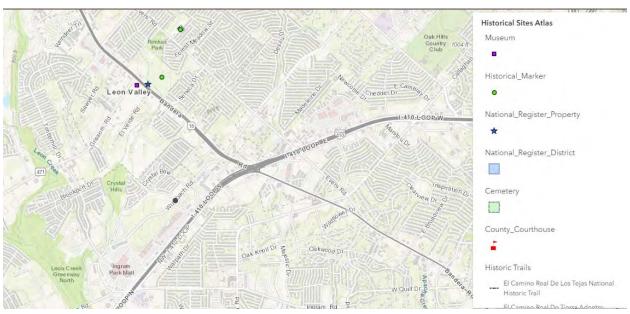
HUD Funds: CDBG Funds

Project Description













Russell Martin, President Tonkawa Tribe of Indians of Oklahoma 1 Rush Buffalo Road Tonkawa, OK 74653

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Mr. Martin,

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Grants Administrator
San Antonio Certifying Officer



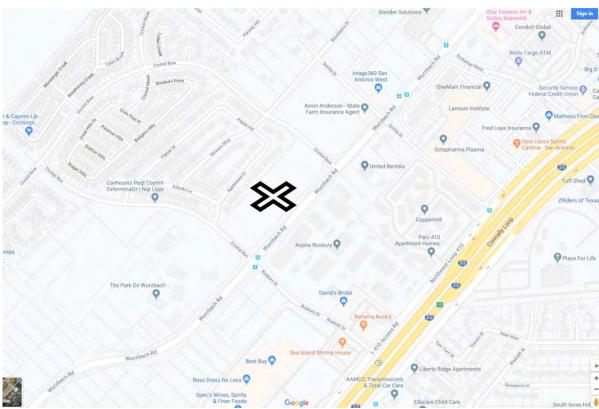
Project: Facility Improvement

Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

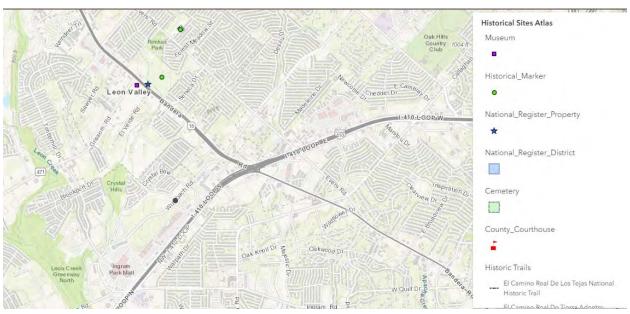
HUD Funds: CDBG Funds

Project Description













February 11, 2020

Terri Parton, President Wichita and Affiliated Tribes (Wichita, Keechi, Waco & Tawakonie), Oklahoma PO Box 729 Anadarko, OK 73005

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Ms. Parton,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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http://portal.hud.gov/hudportal/documents/huddoc?id=env notice tribe con.pdf

For more information on the Section 106 review process the following link is available: https://www.onecpd.info/resource/2813/historic-preservation-basics/

If the tribe does not wish to consult on this project, please feel free to contact my office via email at GMAERR@sanantonio.gov or by letter. If the tribe does wish to consult, the City respectfully requests a written response including the name and contact information for the tribe's principal representative for the consultation.

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Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

Attachments



Date: February 6, 2020

Project: Facility Improvement

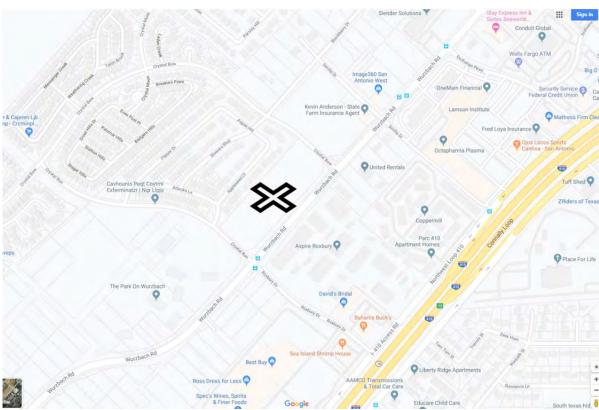
Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

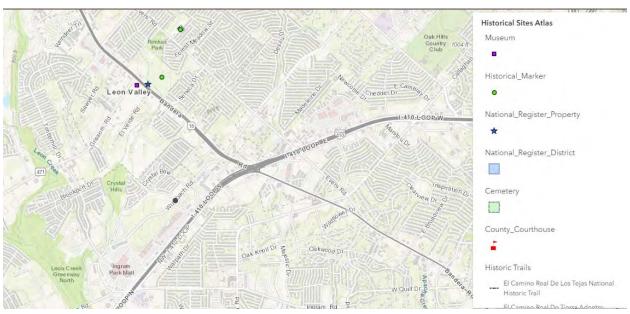
Project Description

Project Mend is requesting \$250,000 in CDBG funds to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit.













February 11, 2020

Gary McAdams, Tribal Historic Preservation Officer Wichita and Affiliated Tribes (Wichita, Keechi, Waco & Tawakonie), Oklahoma PO Box 729 Anadarko, OK 73005

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Mr. McAdams,

The City of San Antonio is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of San Antonio has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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Grants Administrator
San Antonio Certifying Officer

Attachments



Date: February 6, 2020

Project: Facility Improvement

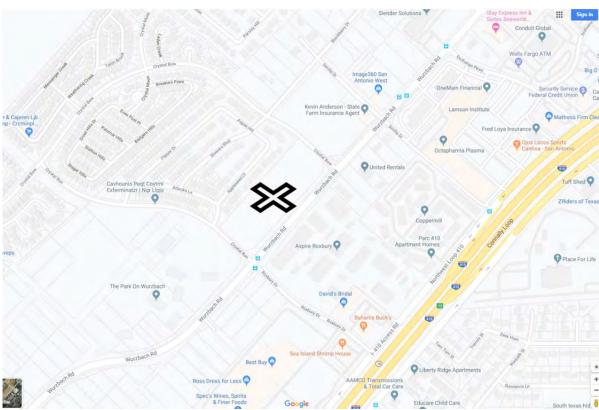
Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

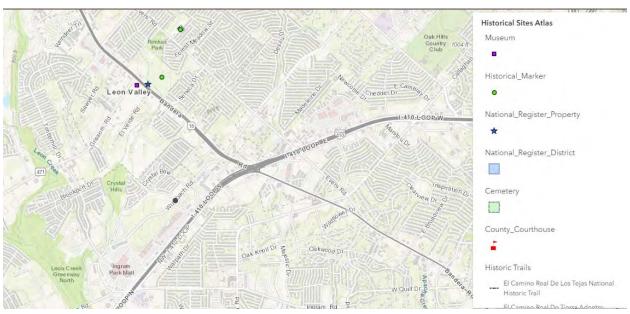
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February 11, 2020

Raynella Fontenot, Department of Cultural, Historical, and Natural Resources, Director Coushatta Tribe of Louisiana PO Box 10 Elton, LA 70532

Re: Wuzbach & Crystal Run; BCAD Property ID 1304197

Dear Ms. Fontenot,

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For more information on the Section 106 review process the following link is available: https://www.onecpd.info/resource/2813/historic-preservation-basics/

If the tribe does not wish to consult on this project, please feel free to contact my office via email at GMAERR@sanantonio.gov or by letter. If the tribe does wish to consult, the City respectfully requests a written response including the name and contact information for the tribe's principal representative for the consultation.

The City of San Antonio values the tribe's assistance and looks forward to consulting further if there are historic properties of religious and cultural significance that may be affected by this project.

Sincerely,

Laura Salinas Martinez

Grants Administrator
San Antonio Certifying Officer

Attachments



Date: February 6, 2020

Project: Facility Improvement

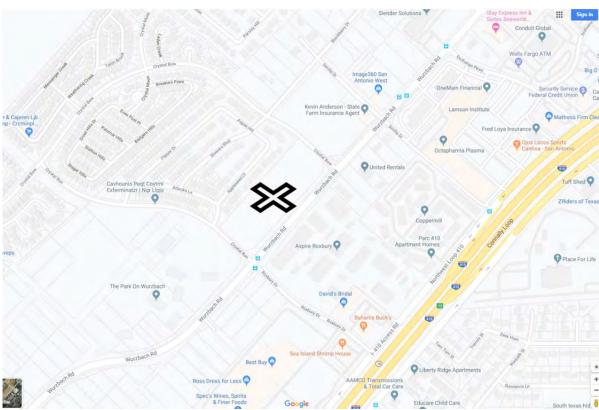
Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

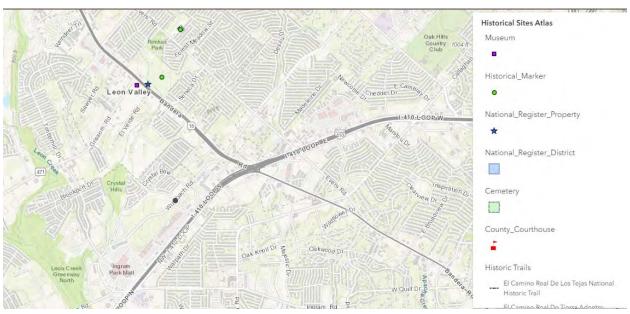
Project Description

Project Mend is requesting \$250,000 in CDBG funds to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit.











ATTACHMENT H – HISTORIC PRESERVATION

• Tribal Coordination Letters

Coushatta Tribe of Louisiana Response

• Tribal Consultation Memo

• THC Coordination for Historic Resources

• THC Concurrence for Historic Resources

From: <u>Denise Resendez (NHSD)</u> on behalf of <u>GMA ERR - NHSD</u>

To: <u>Jackie Lopez</u>

Subject: FW: [EXTERNAL] CDBG- Wurzbach and Crystal Run; BCAD Property ID 1304197

Date: Friday, February 28, 2020 2:42:18 PM

Attachments: <u>image001.png</u>

Jackie,

Please see below tribal response.

Best,

Denise E. Resendez

Senior Management Analyst

Neighborhood and Housing Services Department Division of Grants Monitoring & Administration

1400 South Flores Street • San Antonio, TX 78204 P: 210.207.5475



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From: Kassie Dawsey [mailto:KDawsey@coushatta.org]

Sent: Friday, February 28, 2020 2:32 PM

To: GMA ERR - NHSD

Subject: [EXTERNAL] CDBG- Wurzbach and Crystal Run; BCAD Property ID 1304197

Thank you for requesting our 106/EA determination. Based on the information provided, I do not believe that this project will have a negative impact on any archaeological, historic or cultural resources of the Coushatta people. Accordingly, we do not wish to consult further on this project. If any inadvertent discoveries are made in the course of this project, we expect to be contacted immediately and reserve the right to consult with you at that time.

Aliilamo (thank you),

Kassie Dawsey
Department of Cultural, Historical, and Natural Resources
Coushatta Tribe of Louisiana
P.O. Box 10
Elton, LA 70532
337-584-1585

THIS EMAIL IS FROM AN EXTERNAL SENDER OUTSIDE OF THE CITY.

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ATTACHMENT H – HISTORIC PRESERVATION

- Tribal Coordination Letters
- Coushatta Tribe of Louisiana Response
- Tribal Consultation Memo
- THC Coordination for Historic Resources
- THC Concurrence for Historic Resources



Interdepartmental Correspondence

TO: Project MEND Facility Improvement Project File

Laura Salinas-Martinez, Certifying Officer Laura Salinas-Martinez FROM:

COPIES TO: Patricia Santa Cruz

SUBJECT: Tribal Consultation

DATE: March 18, 2020

The purpose of this memorandum is to document the consultation with seven tribal entities in accordance with the National Environmental Policy Act (NEPA) regulations.

On February 11, 2020, the Neighborhood and Housing Services Department's Division of Grants Monitoring and Administration (GMA) submitted letters to the following tribes regarding an invitation to consult on the facility improvement project located at Wurzbach & Crystal Run. These letters are included in the NEPA Environmental Review for the Project MEND Facility Improvement project:

- Alabama-Coushatta Tribe of Texas
- 2. Apache Tribe of Oklahoma
- 3. Comanche Nation
- 4. Coushatta Tribe of Louisiana
- Mescalero Apache Tribe of the Mescalero Reservation
- 6. Tonkawa Tribe of Indians of Oklahoma
- Wichita and Affiliated Tribes (Wichita, Keechi, Waco, and Tawakonie)

As of the date of this memorandum, the City received one response from the seven tribes (see attached). The Coushatta Tribe of Louisiana indicated that they do not believe that this project will have a negative impact on any archaeological, historic or cultural resources of the Coushatta people. However, if any inadvertent discoveries are made in the course of this project, the Tribe expects to be contacted immediately and reserves the right to consult at that time. The six other tribes did not provide a response. Per HUD's Notice CPD-12-006, "If a tribe does not respond to the invitation to consult within 30 days, the RE should document the invitation and lack of response in the ERR; further consultation is not required." The City of San Antonio considers the lack of response from the six other tribes to be indicative that they have no desire to be a consulting party in relation to the Project MEND Facility Improvement project.

Therefore, the City of San Antonio has fully complied with Tribal Notification as required in the Environmental Review process and shall not seek further consultation on the Project MEND Facility Improvement project with any of these tribes.

ATTACHMENT H – HISTORIC PRESERVATION

- Tribal Coordination Letters
- Coushatta Tribe of Louisiana Response
 - Tribal Consultation Memo



- THC Coordination for Historic Resources
- THC Concurrence for Historic Resources



February 17, 2020

Mr. Charles M. Peveto, Historian **Texas Historical Commission** P.O. Box 12276 Austin, TX 78711-2276

RE: SHPO Consultation - Wurzbach & Crystal Run, San Antonio, Texas 78238 **Project Mend Facility Improvement**

Dear Mr. Peveto:

The City of San Antonio respectfully requests a SHPO consultation on the attached project.

Sincerely, Denise E. Resendez Senior Management Analyst

Attachments: OHP Response

Project Description

Maps

Artist Rendering



February 14, 2020

Mr. Charles M. Peveto, Historian Texas Historical Commission P.O. Box 12276 Austin, TX 78711-2276

Re: Historic significance of Property ID 1304197 at Wurzbach and Crystal Run, San Antonio, Bexar Co., TX
City of San Antonio Neighborhood & Housing Services Department
Division of Grants Monitoring and Administration

Dear Mr. Peveto:

The above referenced property at Wurzbach and Crystal Run, San Antonio, TX, does not include any standing structures. Therefore, the Office of Historic Preservation finds nothing eligible for designation.

Sincerely,

jenny hay, Ph.D.

Senior Management Analyst Office of Historic Preservation



City of San Antonio Neighborhood & Housing Services Department Division of Grants Monitoring and Administration

Date: February 6, 2020

Project: Facility Improvement

Project Location: Wurzbach and Crystal Run; BCAD Property ID 1304197

HUD Funds: CDBG Funds

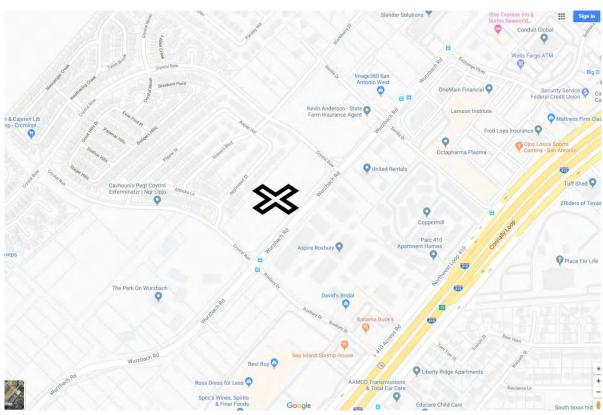
Project Description

Project Mend is requesting \$250,000 in CDBG funds to build a new headquarters located on Wurzbach and Crystal Run, San Antonio, TX 78238 in Council District 7 where individuals living with disabilities, especially those who are low income, will now be able to access all services, equipment and training at a single facility. The new facility will include space to provide program services to clients, a medical equipment warehouse and repair center. Project MEND serves an average of 1500 clients per year, and approximately 90% or 1350, of those clients have income at or below 80% HUD Area Median Income limit.





City of San Antonio Neighborhood & Housing Services Department Division of Grants Monitoring and Administration









HOME (/) ATLAS MAP (/MAP) ADVANCED SEARCH ABOUT ATLAS DOWNLOADS
(/ADVANCEDSEARCH) (/ABOUT) (/DATA/DATADOWNLOAD)





https://atlas.thc.texas.gov/Map#

ATTACHMENT H – HISTORIC PRESERVATION

- Tribal Coordination Letters
- Coushatta Tribe of Louisiana Response
 - Tribal Consultation Memo
- THC Coordination for Historic Resources



From: <u>Denise Resendez (NHSD)</u> on behalf of <u>GMA ERR - NHSD</u>

To: <u>Jackie Lopez</u>

Cc: Angelica Garcia (NHSD); Charles Nelson (NHSD); Patricia Santa Cruz (NHSD); William Taylor (NHSD); Alyssa

Frausto (NHSD)

Subject: FW: [EXTERNAL] Project Review: 202007232

Date: Friday, February 28, 2020 2:48:29 PM

Attachments: <u>image001.png</u>

Jackie.

Please see below THC response.

Best,

Denise E. Resendez

Senior Management Analyst

Neighborhood and Housing Services Department Division of Grants Monitoring & Administration

1400 South Flores Street • San Antonio, TX 78204

P: 210.207.5475



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From: noreply@thc.state.tx.us [mailto:noreply@thc.state.tx.us]

Sent: Friday, February 28, 2020 12:03 PM
To: GMA ERR - NHSD; reviews@thc.state.tx.us
Subject: [EXTERNAL] Project Review: 202007232



Re: Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas

THC Tracking #202007232

Project Mend Facility Improvement

Wurzbach & Crystal Run San Antonio, TX 78238

Dear Denise E. Resendez:

Thank you for your submittal regarding the above-referenced project. This response represents the comments of the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission (THC), pursuant to review under Section 106 of the National Historic Preservation Act.

The review staff led by Emily Dylla and Charles Peveto has completed its review and has made the following determinations based on the information submitted for review:

Above-Ground Resources

• No historic properties are present or affected by the project as proposed. However, if historic properties are discovered or unanticipated effects on historic properties are found, work should cease in the immediate area; work can continue where no historic properties are present. Please contact the THC's History Programs Division at 512-463-5853 to consult on further actions that may be necessary to protect historic properties.

Archeology Comments

• No historic properties present or affected. However, if buried cultural materials are encountered during construction or disturbance activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your efforts to preserve the irreplaceable heritage of Texas. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: emily.dylla@thc.texas.gov, charles.peveto@thc.texas.gov

This response has been sent through the electronic THC review and compliance system(eTRAC). Submitting your project via eTRAC eliminates mailing delays and allows you to check the status of the review, receive an electronic response, and generate reports on your submissions. For more information, visit http://thc.texas.gov/etrac-system.

Sincerely,



For Mark Wolfe, State Historic Preservation Officer Executive Director, Texas Historical Commission

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ATTACHMENT I – LAND DEVELOPMENT

NRCS Web Soil Survey



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

Special Point Features

Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow Marsh or swamp





Mine or Quarry Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot

Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot

Spoil Area



Stony Spot



Very Stony Spot



Wet Spot Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bexar County, Texas Survey Area Data: Version 23, Sep 12, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 22, 2018—Jan 4. 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AuC	Austin silty clay, 2 to 5 percent slopes, moderately eroded	3.3	100.0%
Totals for Area of Interest		3.3	100.0%

ATTACHMENT J – SOCIOECONOMIC FACTORS



• Demographic Characteristics





// Search / Tables / DP05

ACS DEMOGRAPHIC AND HOUSING ESTIMATES

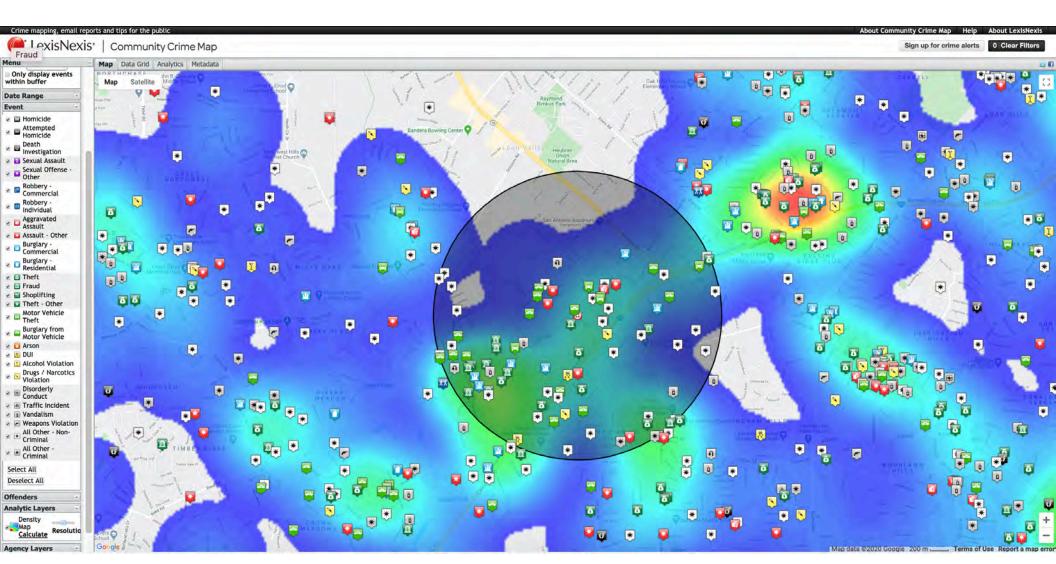
Survey/Program: American Community Survey TableID: DP05 Product: 2018: ACS 5-Year Estimates Data Profiles 💉

	Census Tract 1817.05, Bexar County, Texas	
	Estimate	Percent
TOTAL POPULATION		
Total Population	5,780	-
Male	2,571	44.5%
Female	3,209	55.5%
Under 5 years	570	9.9%
5 to 9 years	339	5.9%
10 to 14 years	412	7.1%
15 to 19 years	307	5.3%
20 to 24 years	441	7.6%
25 to 34 years	1,152	19.9%
35 to 44 years	949	16.4%
45 to 54 years	699	12.1%
55 to 59 years	179	3.1%
60 to 64 years	230	4.0%
65 to 74 years	202	3.5%
75 to 84 years	209	3.6%
85 years and over	91	1.6%
Median age (years)	31.5	-
RACE		
Hispanic or Latino (any race)	3,087	52.5%
Not Hispanic or Latino	2,743	47.5%
White	1,512	26.2%
Black or African American	593	10.3%
American Indian and Alaska Native	0	0.0%
Asian	553	9.6%
Native Hawaiian and Pacific Islander	0	0.0%
Some other race	0	0.0%
Two or more races	85	1.5%

ATTACHMENT K – COMMUNITY FACILITIES AND SERVICES



- Crime Density Map
- MS4 Boundaries Map
- Alamo Area MPO Transportation Facilities Map



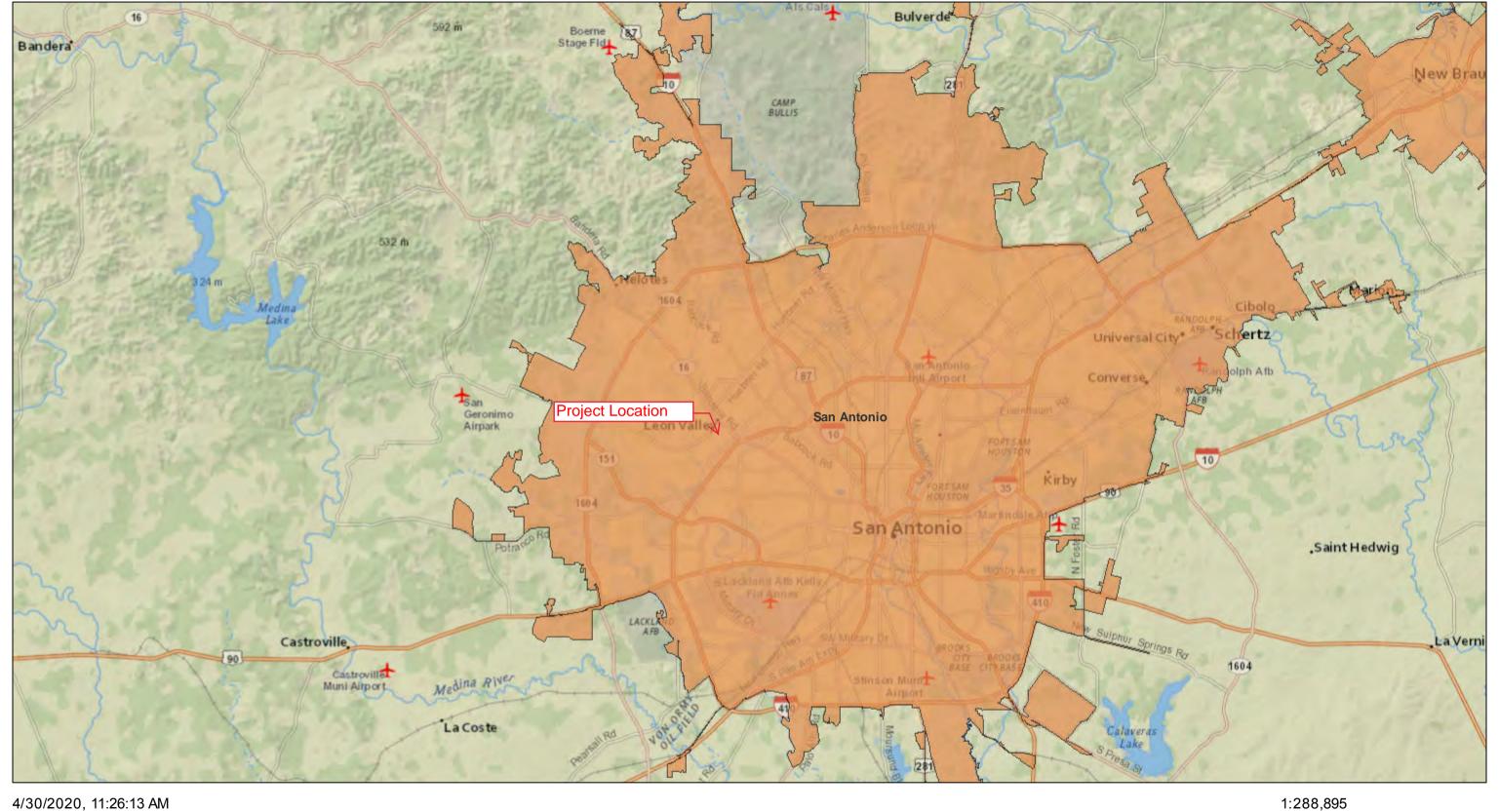
ATTACHMENT K – COMMUNITY FACILITIES AND SERVICES

• Crime Density Map

• MS4 Boundaries Map

• Alamo Area MPO Transportation Facilities Map

Project MEND Facility Development - MS4



Stormwater_NOI_Areas

TxDOT Districts

0 3.5 7 14 mi

National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

ATTACHMENT K – COMMUNITY FACILITIES AND SERVICES

- Crime Density Map
- MS4 Boundaries Map



• Alamo Area MPO Transportation Facilities Map

Project MEND Facility Development

