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US 290 / SH 71
SCHEMATIC EXHIBIT

TEXAS DEPARTMENT OF TRANSPORTATION

SCHEMATIC LAYOUT

ROADWAY: US290 / SH71 WEST

TRAVIS COUNTY

LIMITS : RM1826 TO SL1 (MOPAC) + TRANSITION TO CIRCLE DRIVE

OFFICE OF DISTRICT ENGINEER
AUSTIN DISTRICT

CURRENT ADT:
US 290 = 65,203
SH71 = 27,290

PROJECTED ADT:
US 290 MAINLANES TRAFFIC (2040) = 104,850
SH71 DIRECT CONNECTORS (2040) = 25,700

PROJECTED ADT:
US 290 FRONTAGE RD. TRAFFIC (2040) = 50,670
SH71 FRONTAGE RD. TRAFFIC (2040) = 35,030

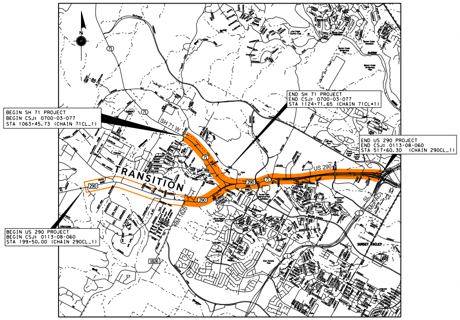
FUNCTIONAL CLASSIFICATION:
MAINLANES = URBAN PRINCIPAL ARTERIAL (FREEWAY)
FRONTAGE RDS. = URBAN PRINCIPAL ARTERIAL
WILLIAM CANNON DR. = URBAN MINOR ARTERIAL
CROSS STREETS = URBAN MAJOR COLLECTOR

E(MAX) = 6%

DESIGN STANDARDS / REFERENCE MANUALS:
TXDOT ROADWAY DESIGN MANUAL
AASHTO ROADSIDE DESIGN GUIDE
TEXAS MUTCD
AASHTO GUIDE FOR DEVELOPMENT OF BICYCLE FACILITIES
CITY OF AUSTIN DESIGN GUIDE

DESIGN SPEED:
MAINLANES - 60 MPH
FRONTAGE ROADS - 45 MPH
RAMPS - 45 MPH
DIRECT CONNECTORS - 45 MPH
SPUI (INTERSECTION) - 20 MPH
CROSS STREETS - 30 MPH (MIN.)

LOCATION MAP


N
BEGIN SH 71 PROJECT
BEGIN CSJ: 0700-03-077
STA 1063+45.73 (CHAIN 71CL_1)
END SH 71 PROJECT
END CSJ: 0700-03-077
STA 1124+71.65 (CHAIN 71CL*1)
END US 290 PROJECT
END CSJ: 0113-08-060
STA 517+60.30 (CHAIN 290CL_1)
BEGIN US 290 PROJECT
BEGIN CSJ: 0113-08-060
STA 199+50.00 (CHAIN 290CL_1)
SH 71 W
71
TRANSITION
290
US 290
RM 1826
1826
SL 1 (MoPAC)
1
SUNSET VALLEY

NOT TO SCALE

NOT A BIDDING DOCUMENT

OAK HILL
PARKWAY

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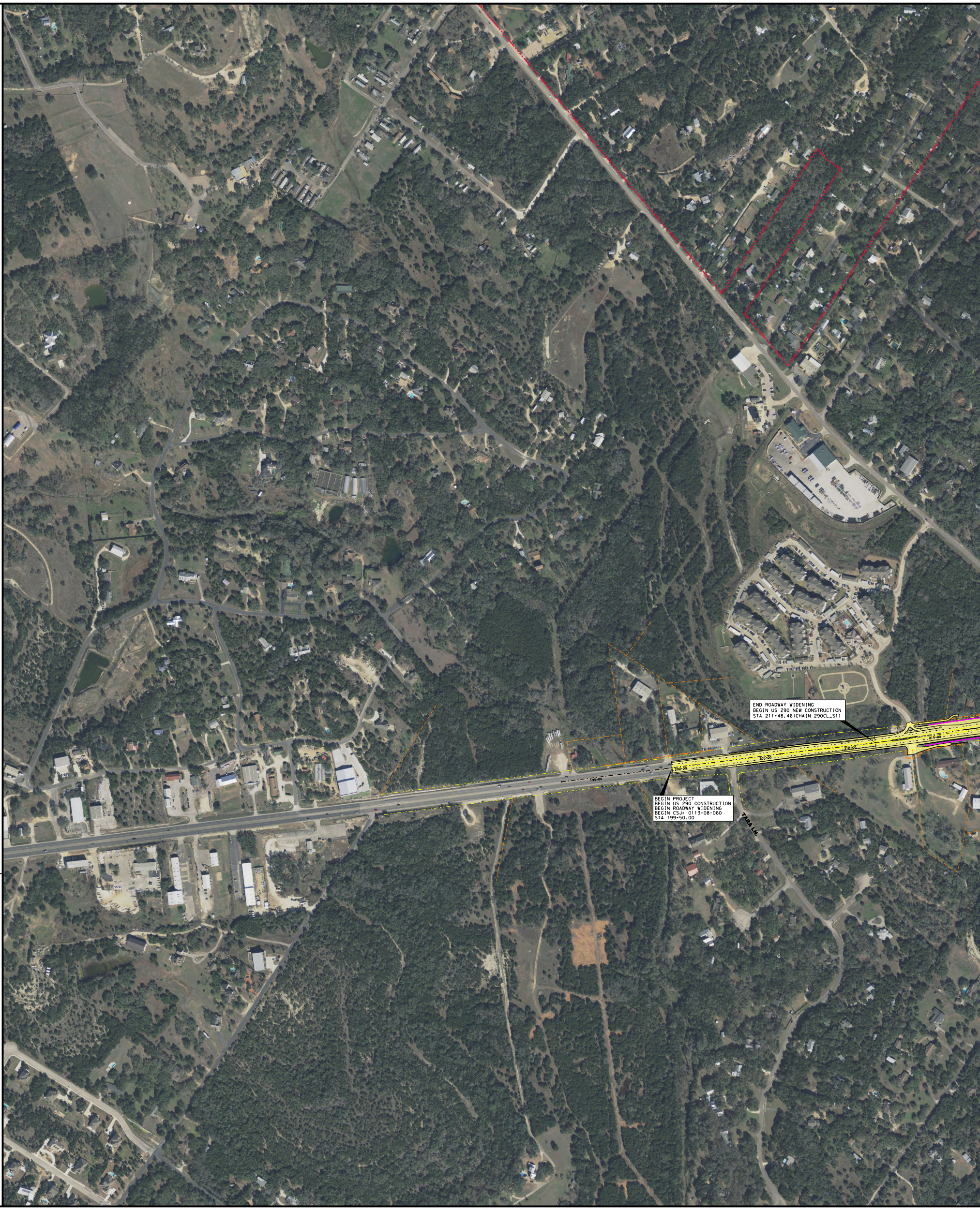
LEGEND

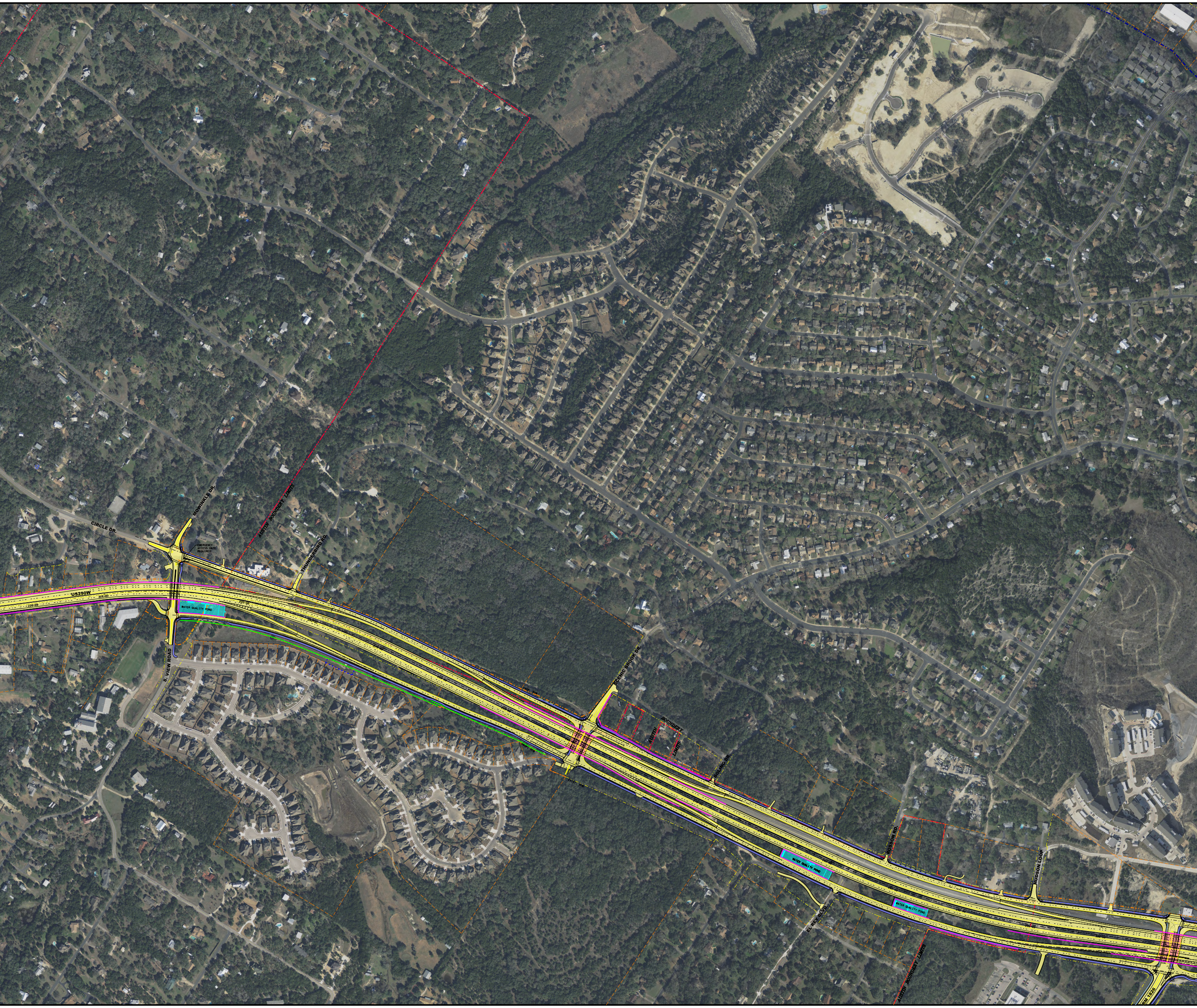
🟨	PROPOSED PAVEMENT/ OVERLAYED EXISTING PAVEMENT	-·-·-	PROPOSED ROW
🟥	PROPOSED BRIDGE STRUCTURE	-·-·-	EXISTING ROW
🟪	PROPOSED SHARED USE PATHS	-·-·-	AUSTIN BOUNDARY LIMITS
🟦	PROPOSED SIDEWALKS	- - -	DRAINAGE EASEMENT
🟦	WATER QUALITY POND	- - -	PARCEL BOUNDARY
—	RETAINING WALL		
—	SOUND WALL		
- - -	PEDESTRIAN RAILING		

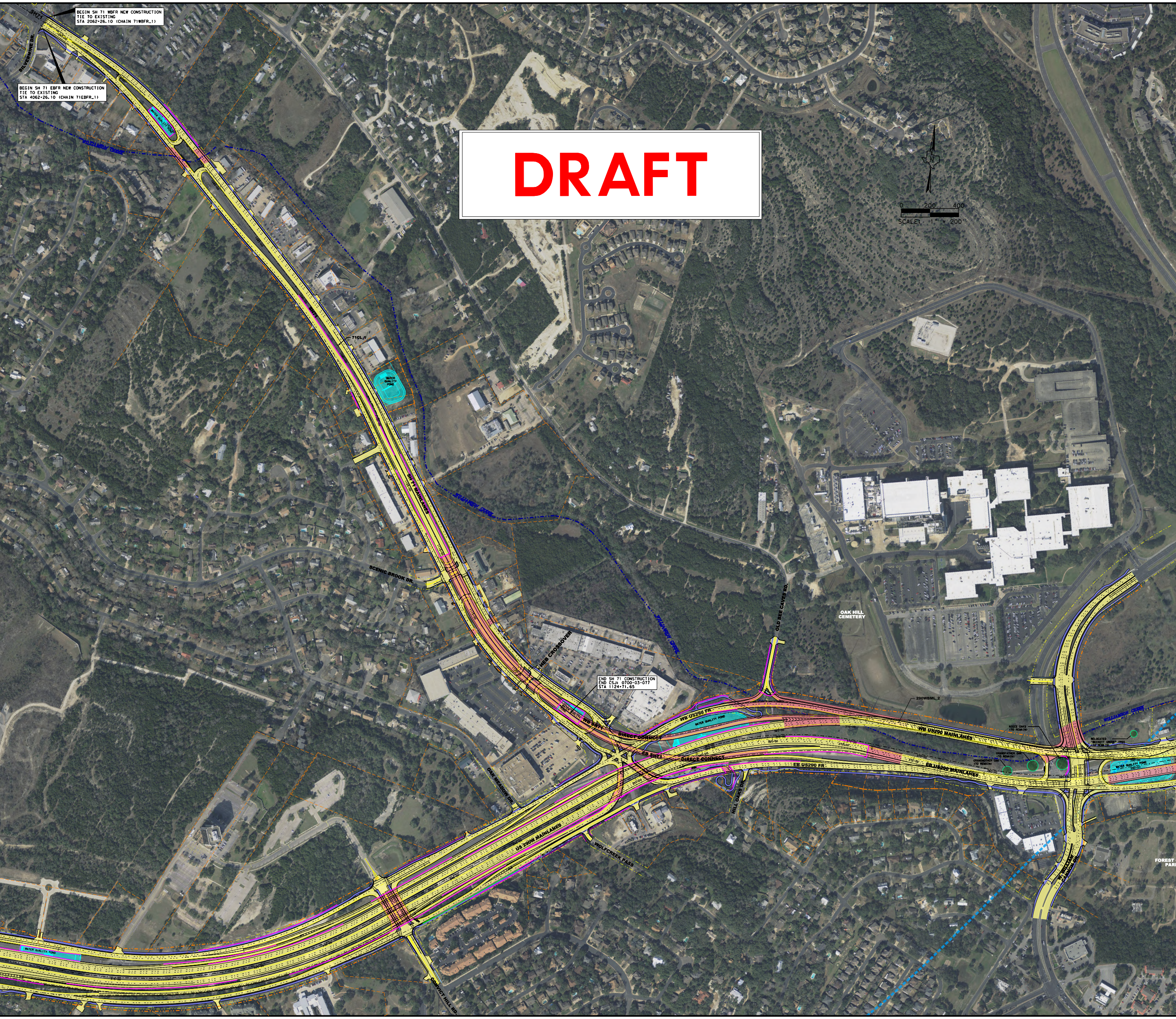
NOTES:
1. AERIAL PHOTOGRAPHY YEAR: 2017
2. ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83(93 (HARN)). ALL COORDINATES SHOWN HEREON ARE ADJUSTED TO SURFACE BY MULTIPLYING BY A COMBINED ADJUSTMENT FACTOR OF 1.000065048. UNITS: U.S. SURVEY FEET.

1
1

1/17/2022
us290_SPSR_Schem_200 scale_12152021.dgn


END ROADWAY WIDENING
BEGIN US 290 NEW CONSTRUCTION
STA 211+48.46(CHAIN 290CL_S1)
BEGIN PROJECT
BEGIN US 290 CONSTRUCTION
BEGIN ROADWAY WIDENING
BEGIN CSJ: 0113-08-060
STA 199+50.00
200+00
205+00
210+00
215+00
TARA LN.


CIRCLE DR.
MOWINKLE DR.
EMERGENCY ACCESS GATE REQUIRED
AUSTIN BOUNDERY LIMITS
THUNDERBIRD RD.
US290W
225+00
235+00
240+00
WATER QUALITY POND
S. VIEW ROAD
SCENIC BROOK DR.
AUSTIN BOUNDERY LIMITS
BOLING DR.
EXIST. ROW
265+00
270+00
275+00
ROSSON RD.
280+00
WATER QUALITY POND
285+00
EL REY BLVD.
WATER QUALITY POND
HUDSON LOOP
290+00
295+00
AUSTIN BOUNDERY LIMITS
300+00
RM 1826


SH71
SILVERMINE DR.
1065+00
1070+00
1075+00
WATER QUALITY POND
WILLIAMSON CREEK
71CL_1
1100+00
1105+00
1110+00
1115+00
1120+00
SH 71 MAINLANES
SCENIC BROOK DR.
HEB CROSSOVER
OLD BEE CAVES RD.
OAK HILL CEMETERY
WB SH71
DIRECT CONNECT
EB SH71
WB US290 FR
EB US290 FR
WB US290 MAINLANES
EB US290 MAINLANES
290WBML_2
365+00
370+00
375+00
380+00
385+00
390+00
HILL OAKS DR.
OAK MEADOW DR.
WOLFCREEK PASS
US 290W MAINLANES
CONVICT HILL RD.
W. WILLIAM CANNON DR.
FOREST
PARK
N
0
200
400

BEGIN SH 71 WBFR NEW CONSTRUCTION
TIE TO EXISTING
STA 2062+26.10 (CHAIN 71WBFR_1)

BEGIN SH 71 EBFR NEW CONSTRUCTION
TIE TO EXISTING
STA 4062+26.10 (CHAIN 71EBFR_1)

END SH 71 CONSTRUCTION
END CSJ: 0700-03-077
STA 1124+71.65

NIECE OAKS
(TO REMAIN)

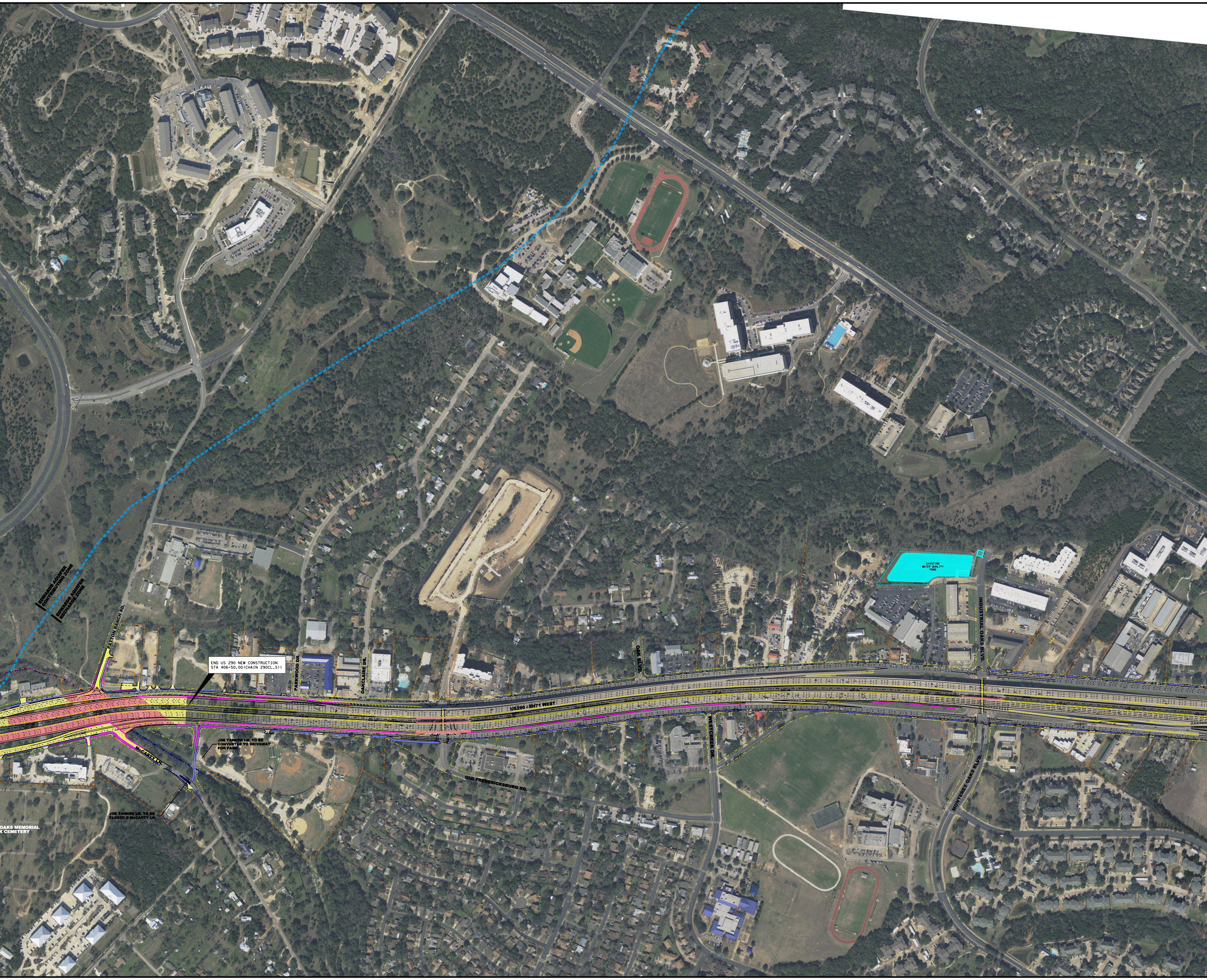
RELOCATED
"BECKETT GROVE" TREE
(TO REMAIN)

GRANDFATHER OAK
(TO REMAIN)

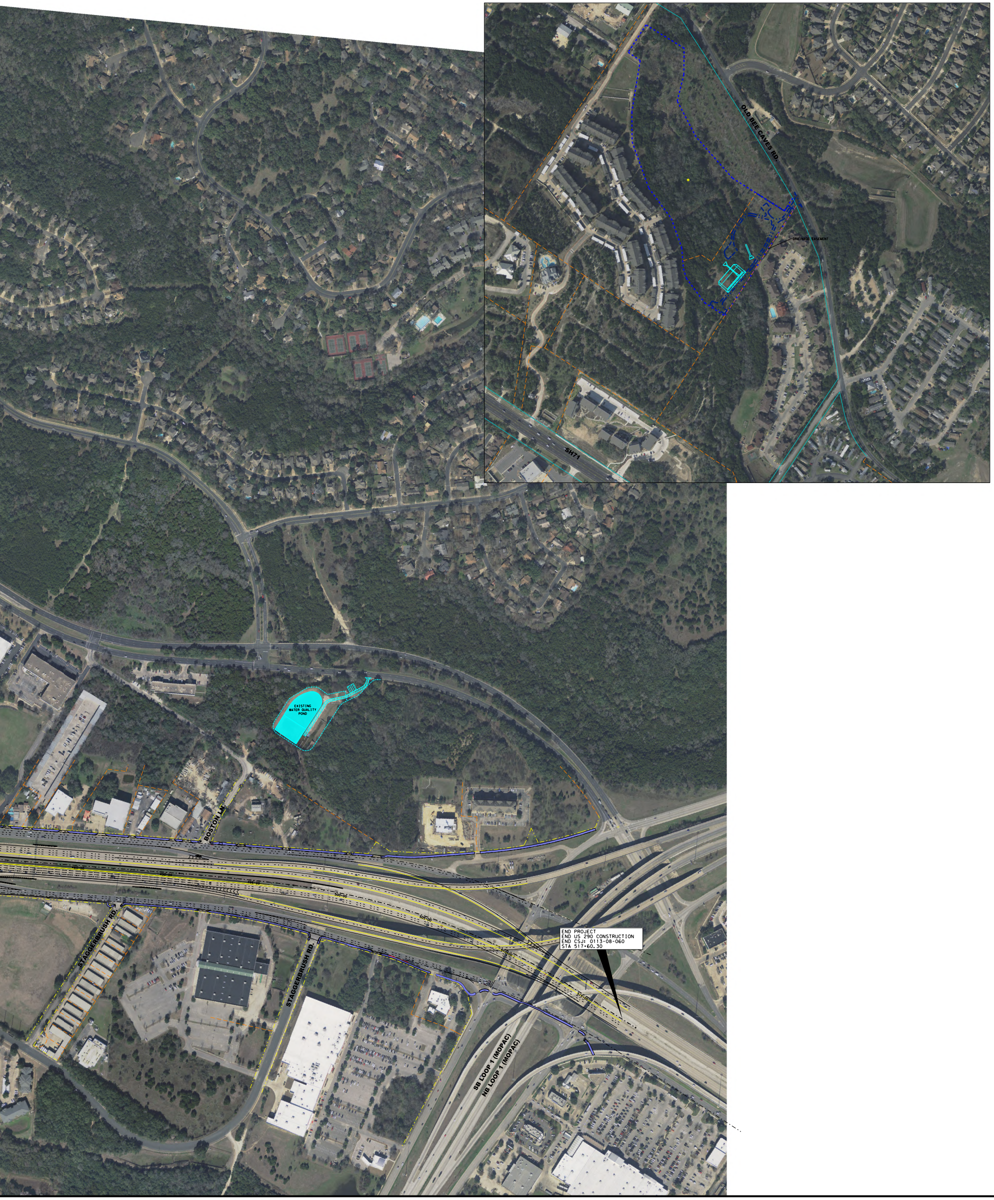
GRANDMOTHER OAK
(TO REMAIN)

SCALE: 1" = 200'

DRAFT


EDWARDS AQUIFER CONTRIBUTING ZONE
EDWARDS AQUIFER RECHARGE ZONE
PATTON RANCH RD.
END US 290 NEW CONSTRUCTION
STA 406+50.00(CHAIN 290CL_S1)
PARKWOOD DR.
OAKCLAIRE DR.
OAK BLVD.
EXISTING
WATER QUALITY
POND
INDUSTRIAL OAKS BLVD.
US290 / SH71 WEST
McCARTY LN.
JOE TANNER LN. TO BE
CONVERTED TO DRIVEWAY
FOR PARK.
JOE TANNER LN. TO BE
CLOSED @ McCARTY LN.
OAKS MEMORIAL
K CEMETERY
OLD FREDERICKSBURG RD.
WESTCREEK DR.
MONTEREY OAKS BLVD.

PROPOSED OFFSITE DETENTION POND


OLD BEE CAVES RD
DRAINAGE EASEMENT
SH71
EXISTING WATER QUALITY POND
BOSTON LN
STAGGERBRUSH RD
STAGGERBRUSH RD.
END PROJECT
END US 290 CONSTRUCTION
END CSJ: 0113-08-060
STA 517+60.30
515+00
SB LOOP 1 (MOPAC)
NB LOOP 1 (MOPAC)

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