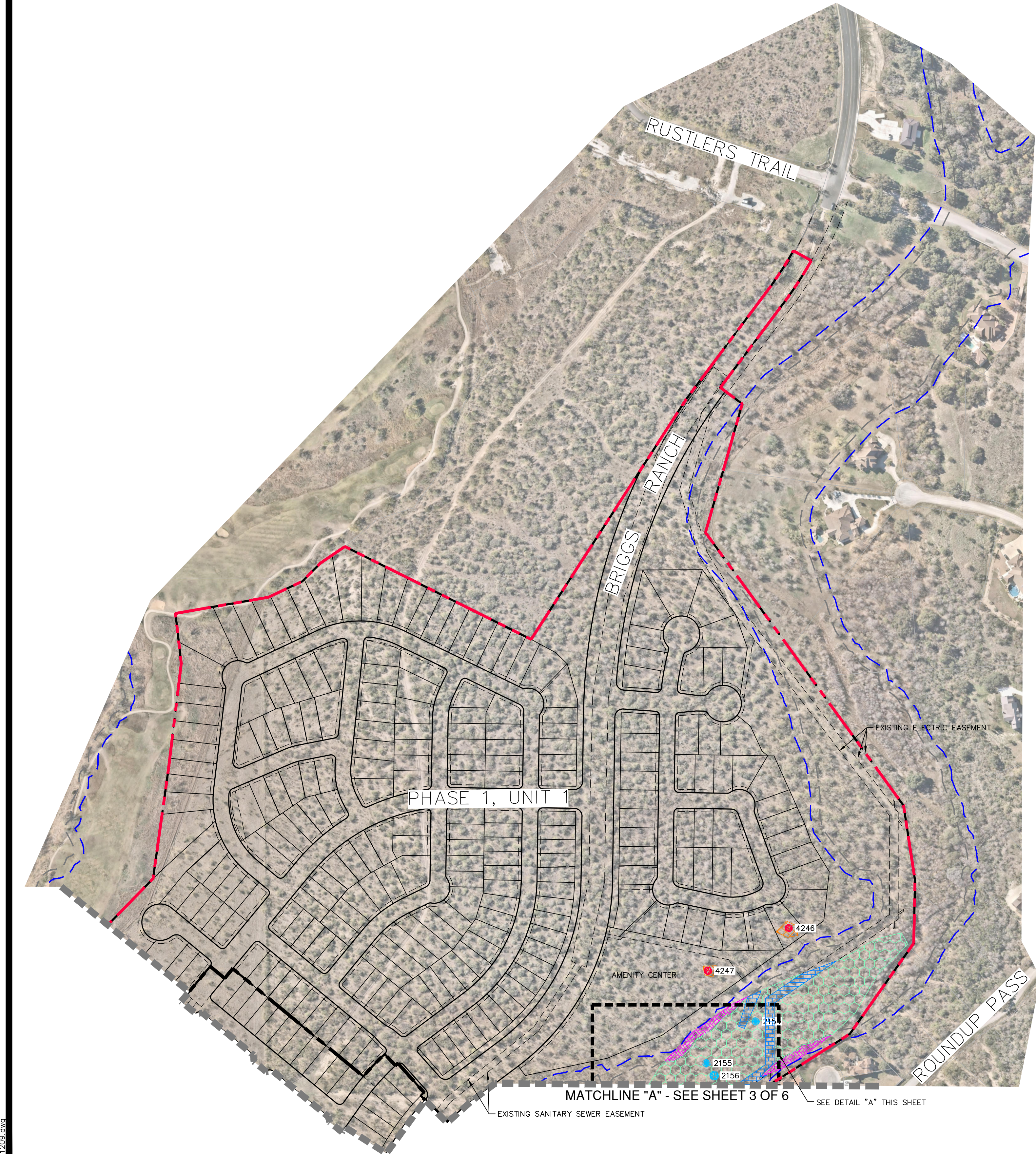


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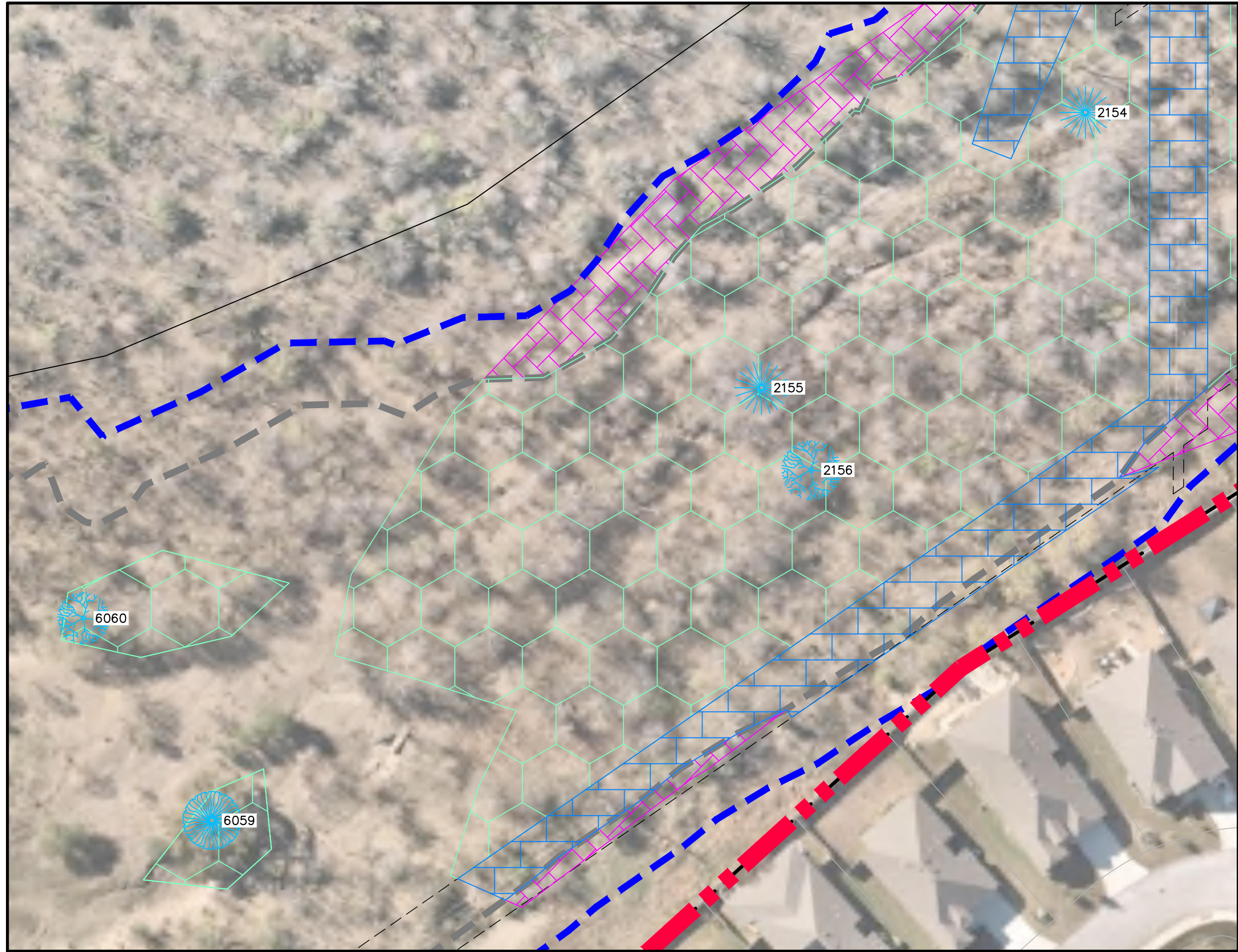
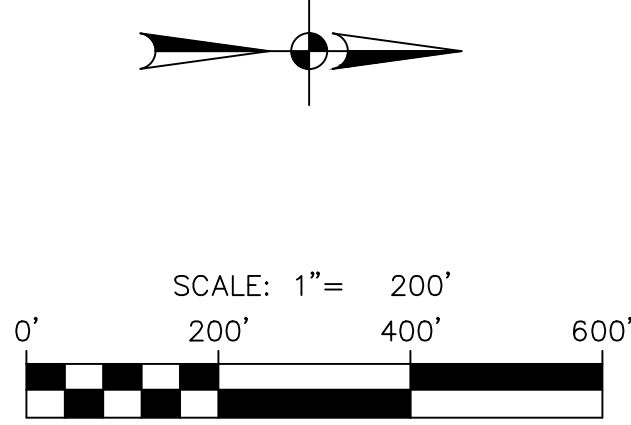


LEGEND

- EXEMPT & REMOVED TREES (NOT COUNTED)
- HERITAGE & REMOVED TREES
- EXEMPT BUT SAVED TREES (NOT COUNTED)
- HERITAGE & SAVED TREES

- HERITAGE AND EXEMPT TREES
- PROPERTY BOUNDARY
- UNIT/PHASE LINE
- MATCHLINE
- FLOODPLAIN BUFFER
- 100-YEAR FEMA FLOODPLAIN
- ENVIRONMENTALLY SENSITIVE AREA - STEEP SLOPES

- EXISTING TREE CANOPY TO BE PRESERVED
- EXISTING TREE CANOPY AND STEEP SLOPE CANOPY TO BE REMOVED
- EXISTING FLOODPLAIN BUFFER CANOPY TO BE PRESERVED
- EXISTING FLOODPLAIN BUFFER CANOPY TO BE REMOVED
- EXISTING FLOODPLAIN CANOPY TO BE PRESERVED
- EXISTING FLOODPLAIN CANOPY TO BE REMOVED
- EXISTING STEEP SLOPE CANOPY TO BE PRESERVED



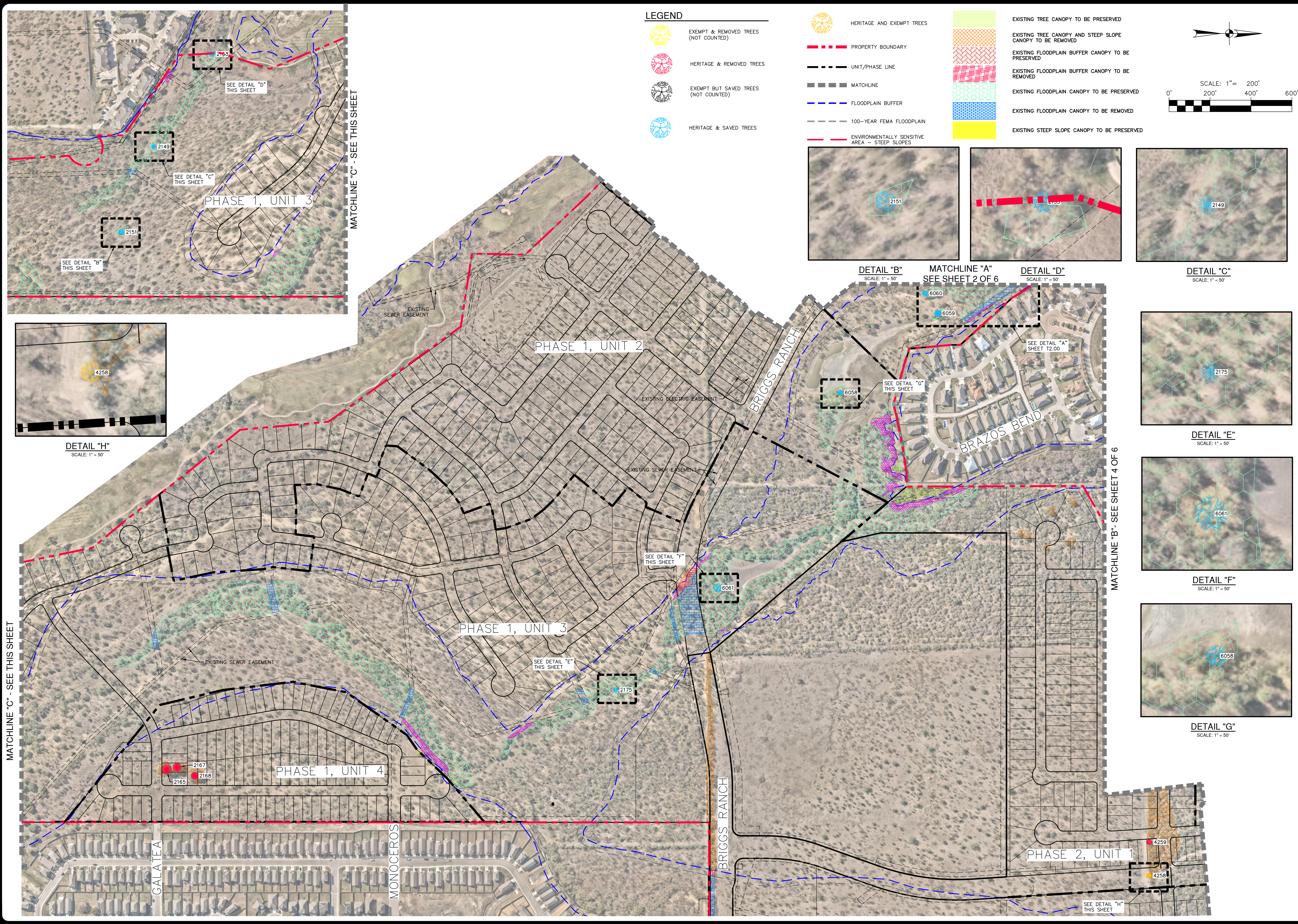
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

BRIGGS RANCH EAST 804 AC TRACT
SAN ANTONIO, TEXAS
TREE PRESERVATION DETAIL
SHEET 2 OF 8

PLAT NO. N/A
JOB NO. 11412-09
DATE JANUARY 2024
DESIGNER CLL
CHECKED SSC DRAWN NA
SHEET T2.00

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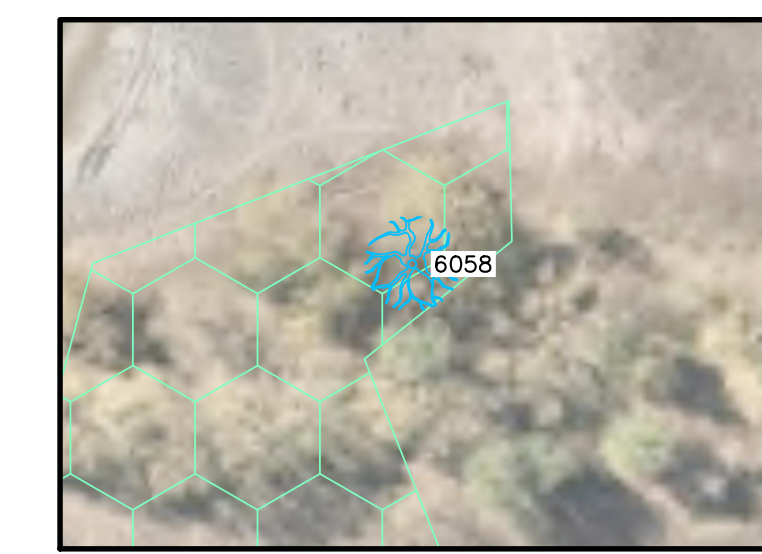
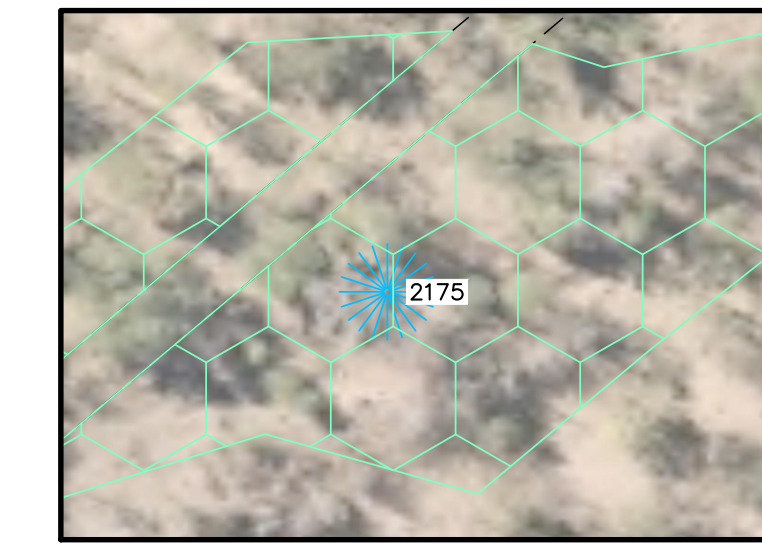
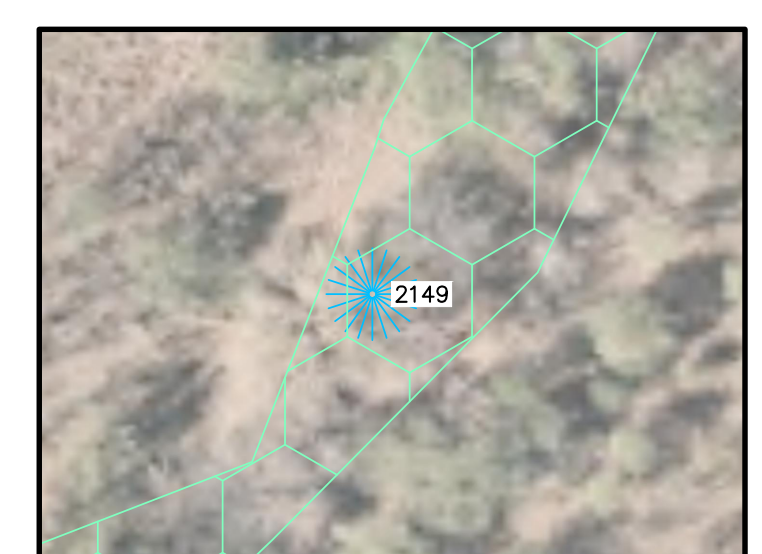
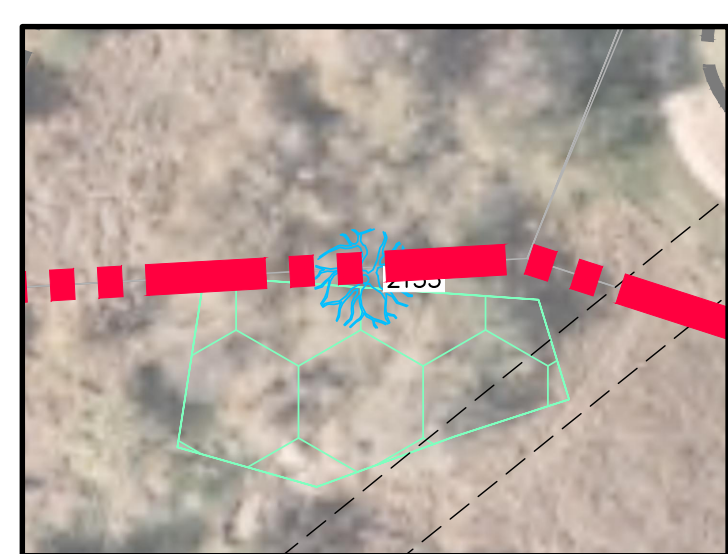
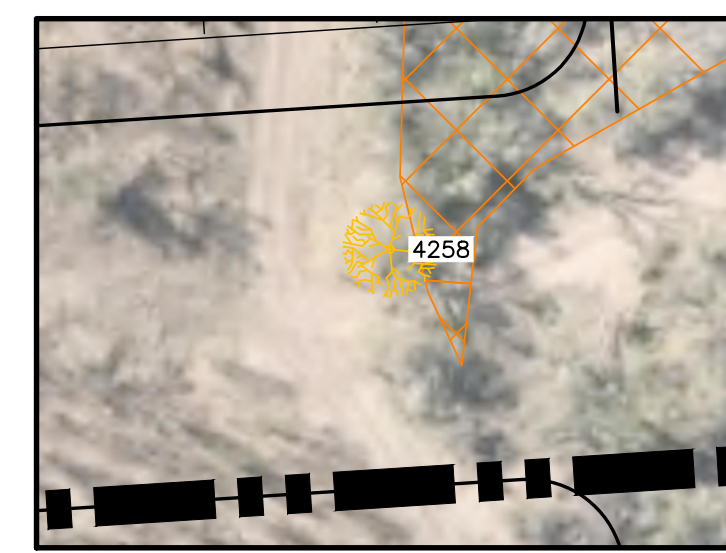
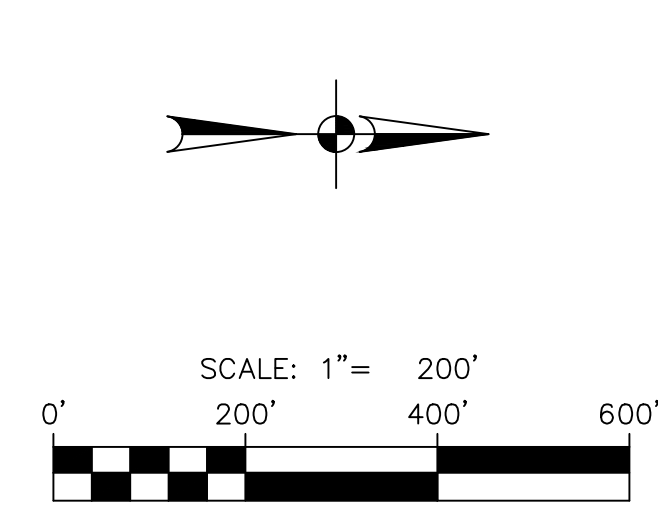


LEGEND

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DATE

NO. REVISION

PAPE-DAWSON
ENGINEERS

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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

BRIGGS RANCH EAST 804 AC TRACT
SAN ANTONIO, TEXAS

TREE PRESERVATION DETAIL
SHEET 3 OF 8

PLAT NO. **N/A**

JOB NO. **11412-09**

DATE **JANUARY 2024**

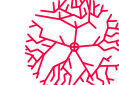
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CHECKED **SSC** DRAWN **NA**

SHEET **T3.00**



EXEMPT & REMOVED TREES
(NOT COUNTED)



HERITAGE & REMOVED TREES



EXEMPT BUT SAVED TREES
(NOT COUNTED)



HERITAGE & SAVED TREES

HERITAGE AND EXEMPT TREES
(ROW ONLY)

PROPERTY BOUNDARY



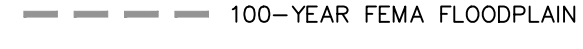
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MATCHLINE



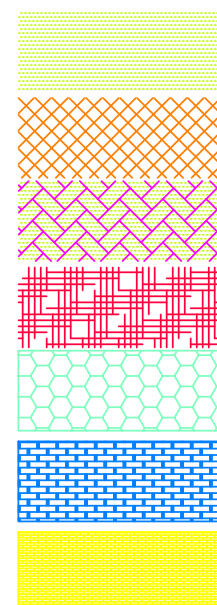
FLOODPLAIN BUFFER



100-YEAR FEMA FLOODPLAIN



ENVIRONMENTALLY SENSITIVE
AREA - STEEP SLOPES



EXISTING TREE CANOPY TO BE PRESERVED

EXISTING TREE CANOPY AND STEEP
SLOPE CANOPY TO BE REMOVED

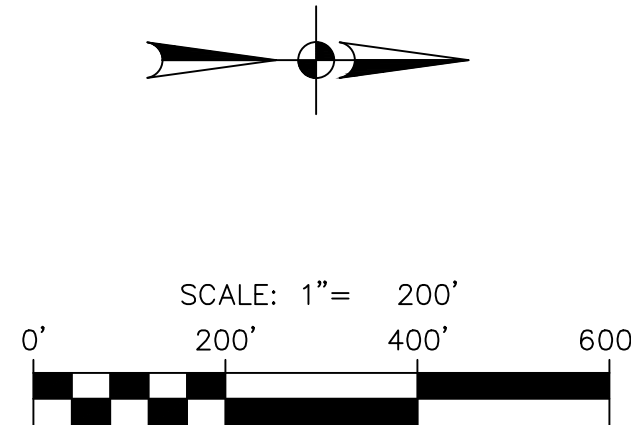
EXISTING FLOODPLAIN BUFFER CANOPY
TO BE PRESERVED

EXISTING FLOODPLAIN BUFFER CANOPY
TO BE REMOVED

EXISTING FLOODPLAIN CANOPY TO BE PRESERVED

EXISTING FLOODPLAIN CANOPY TO BE
REMOVED

EXISTING STEEP SLOPE CANOPY TO BE PRESERVED

[illegible]

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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

BRIGGS RANCH EAST 804 AC TRACT
SAN ANTONIO, TEXAS

TREE PRESERVATION DETAIL
SHEET 4 OF 8

PLAT NO. N/A
JOB NO. 11412-09
DATE JANUARY 2024
DESIGNER CLL
CHECKED SSC DRAWN NA
SHEET T4.00

POINTS										
POINT #	NORTHING	EASTING	SPECIES	SIZE	MULTI-TRUNK	ORDINANCE	SIZE CLASS	LOCATION CLASS	CONDITION	
6084	13695696.96	2049056.54	LIVE OAK	26.5	YES	2010	HERITAGE	NON-EXEMPT	REMOVED	
6085	13696096.85	2048839.33	LIVE OAK	29.5	YES	2010	HERITAGE	NON-EXEMPT	REMOVED	
6086	13695379.80	2048479.32	LIVE OAK	26	YES	2010	HERITAGE	NON-EXEMPT	REMOVED	
6087	13695460.12	2048635.40	LIVE OAK	24.5	NO	2010	HERITAGE	NON-EXEMPT	REMOVED	
6088	13695773.54	2048392.63	LIVE OAK	24	NO	2010	HERITAGE	NON-EXEMPT	REMOVED	
6101	13699187.84	2048840.73	LIVE OAK	27.5	YES	2010	HERITAGE	NON-EXEMPT	SAVED	
6102	13699147.59	2048855.29	LIVE OAK	34	NO	2010	HERITAGE	NON-EXEMPT	SAVED	
6103	13699173.80	2048904.02	LIVE OAK	43	NO	2010	HERITAGE	NON-EXEMPT	SAVED	
6104	13698978.28	2048925.35	LIVE OAK	25	NO	2010	HERITAGE	NON-EXEMPT	SAVED	
6105	13698983.04	2049105.06	LIVE OAK	31	NO	2010	HERITAGE	NON-EXEMPT	SAVED	
6106	13698861.61	2049215.86	LIVE OAK	40	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6107	13698806.57	2049183.56	LIVE OAK	27.5	NO	2010	HERITAGE	NON-EXEMPT	SAVED	
6108	13698771.58	2049289.01	LIVE OAK	38	NO	2010	HERITAGE	FLOOD PLAIN BUFFER	SAVED	
6109	13698677.92	2050412.05	CEDAR ELM	30.5	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6110	13698677.63	2050373.69	CEDAR ELM	28	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6111	13698418.89	2050665.97	PECAN	34	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6112	13698342.23	2050746.93	CEDAR ELM	32	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6113	13698198.19	2050814.79	CEDAR ELM	30	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6114	13698409.85	2051320.55	HACKBERRY	33.5	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6115	13698464.47	2051585.32	PECAN	40	NO	2010	HERITAGE	FLOOD PLAIN	SAVED	
6116	13698106.08	2049905.69	LIVE OAK	34.5	NO	2010	HERITAGE	EXEMPT	REMOVED	
6117	13698209.25	2049914.20	LIVE OAK	45	NO	2010	HERITAGE	EXEMPT	REMOVED	
6118	13698223.79	2049837.51	LIVE OAK	27	YES	2010	HERITAGE	NON-EXEMPT	REMOVED	
6119	13698229.04	2049849.59	LIVE OAK	37	YES	2010	HERITAGE	NON-EXEMPT	REMOVED	
6120	13698310.45	2049674.47	LIVE OAK	33	NO	2010	HERITAGE	EXEMPT	REMOVED	
6122	13699259.51	2049088.37	LIVE OAK	42	NO	2010	HERITAGE	NON-EXEMPT	SAVED	

POINTS										
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ENGINEERS**
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10026800

TREE PRESERVATION DETAIL
SHEET 6 OF 8

N/A

11412-09

JANUARY 2024

CLL

SSC DRAWN NA

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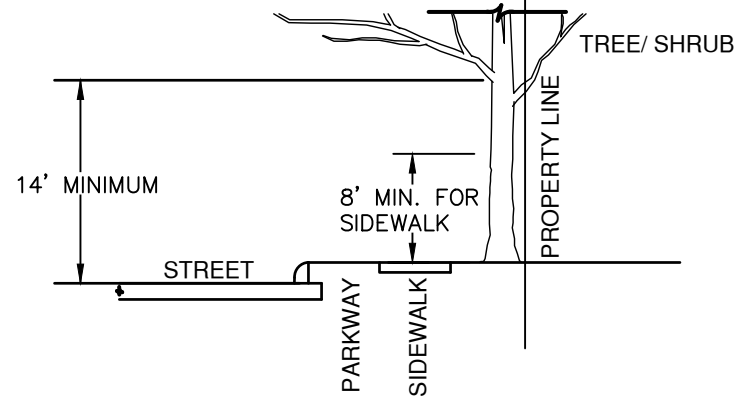
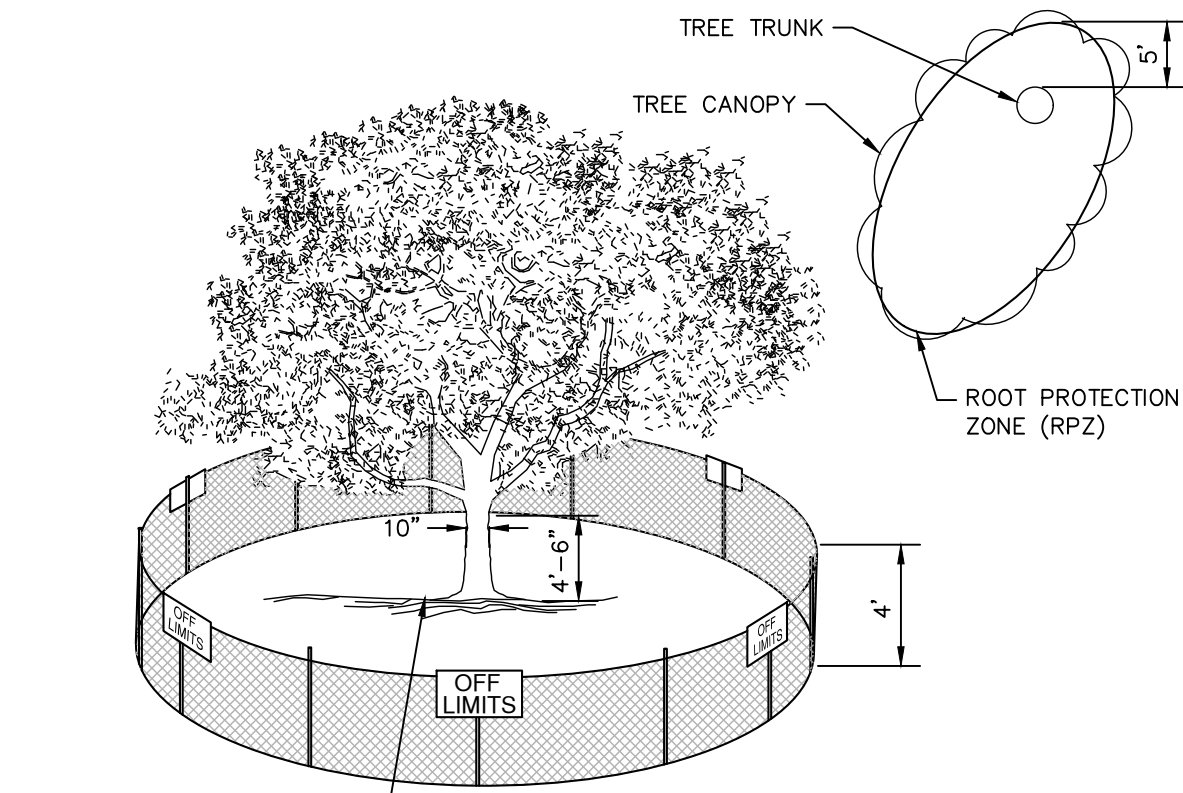


FIGURE NO. 2
A MINIMUM BRANCH CLEARANCE OF 14 FEET ABOVE STREET ELEVATION MUST BE MAINTAINED FROM THE PROPERTY LINE TO THE CURB LINE AS PRESCRIBED BY PROJECT MANAGER.

BRANCH CLEARANCE DETAIL

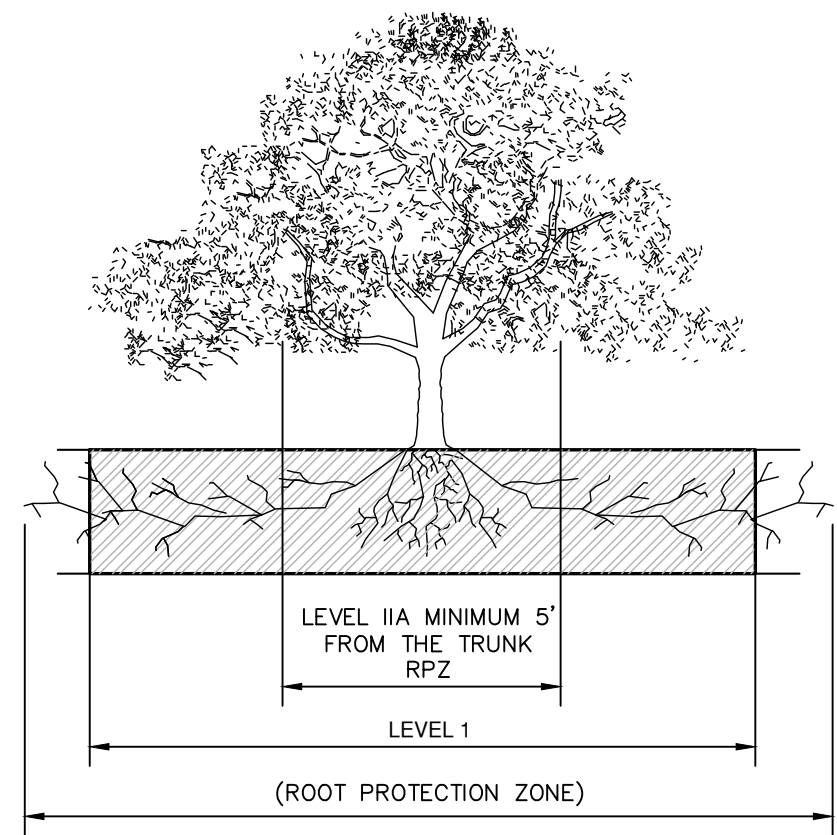
NOT TO SCALE



6" MULCH INSIDE RPZ WHEN THERE IS NO EXISTING UNDERSTORY OR TURF
NOTE:
1. THE FENCING SHOWN ABOVE IS DIAGRAMATIC ONLY, WILL CONFORM TO THE DRIP LINE AND IS LIMITED TO PROJECT BOUNDARY.
2. FOR ACCEPTABLE FENCING MATERIALS SEE SPECS.

TREE PROTECTION ZONE

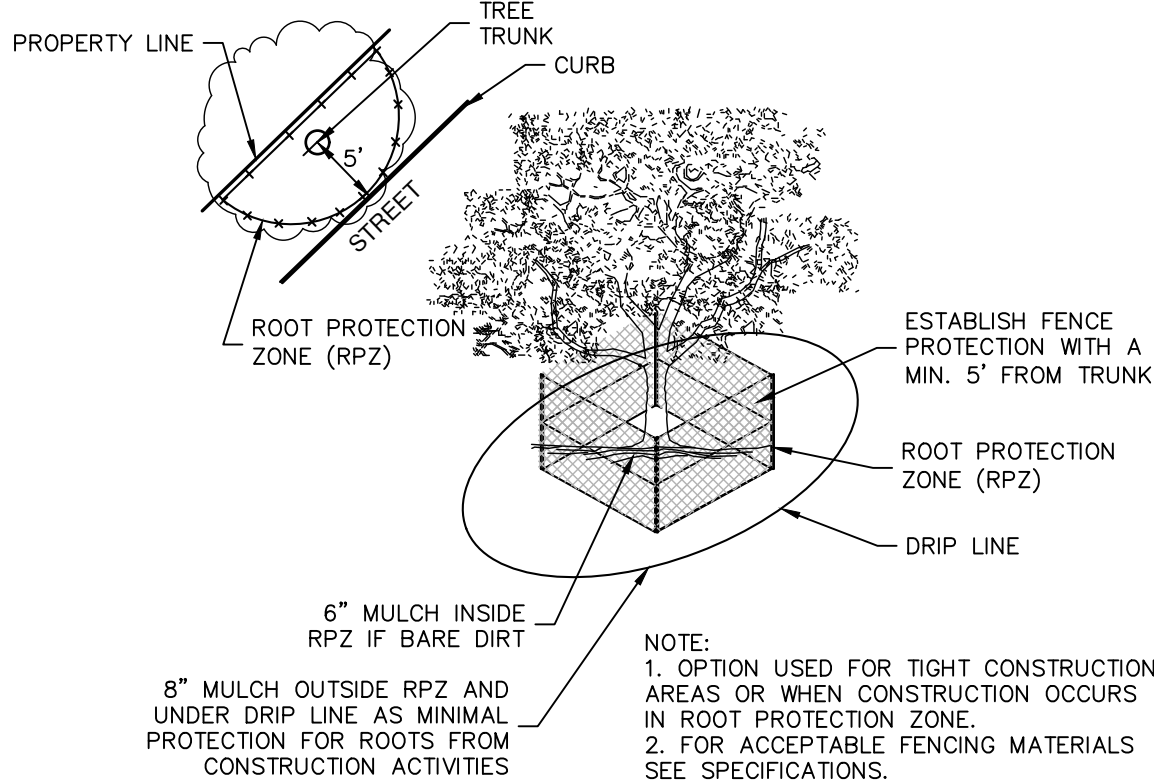
NOT TO SCALE



ROOT PROTECTION ZONE--THE ROOT PROTECTION ZONE IS A CIRCULAR AREA AROUND A TREE THAT IS BASED ON THE DIAMETER OF THE TREE. EACH 1 INCH DIAMETER OF THE TREE EQUALS 1 FOOT RADIUS FOR ROOT PROTECTION ZONE.

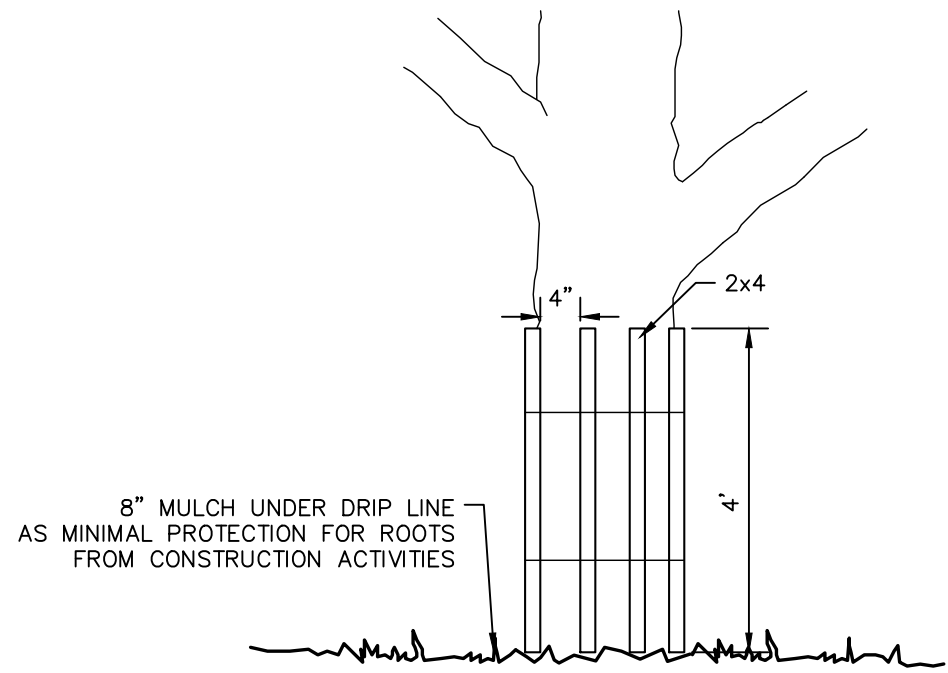
ELEVATION

NOT TO SCALE



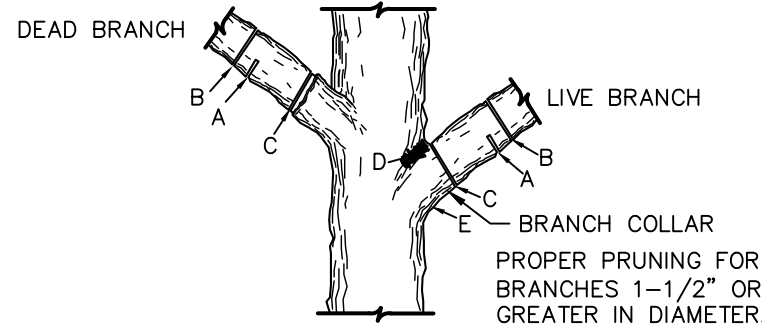
LEVEL II A FENCE PROTECTION

NOT TO SCALE



LEVEL II B FENCE PROTECTION

NOT TO SCALE

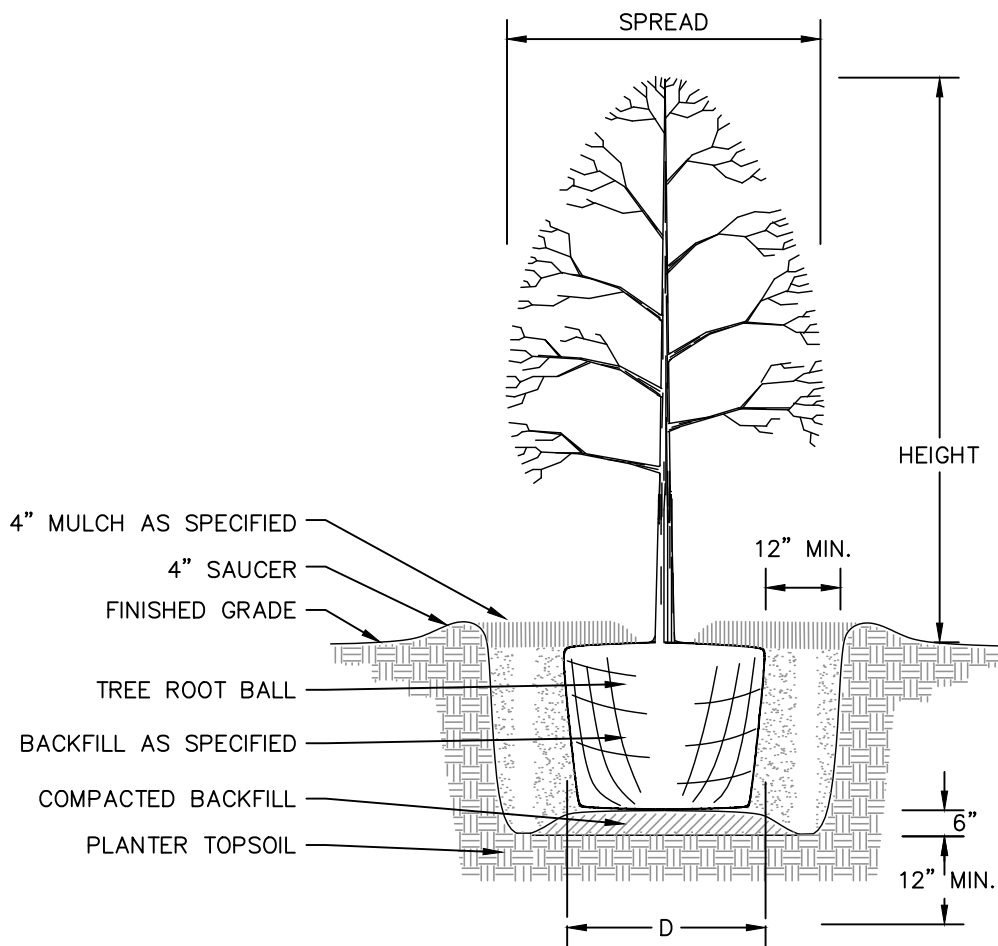


NOTE:
DO NOT CUT FROM D TO E.
A. FIRST CUT -- TO PREVENT THE BARK FROM BEING PEELED WHEN THE BRANCH FALLS.
B. SECOND CUT -- TO REDUCE THE WEIGHT OF BRANCH.
C. FINAL CUT -- ALLOW FOR HEALING COLLAR BUT NO STUBS

FOR OAKS ONLY:
PAINT ALL WOUNDS OR CUTS WITH PRUNING PAINT WITHIN 20 MIN TO PREVENT THE SPREAD OF OAK WILT.

BRANCH PRUNING

NOT TO SCALE



NEW TREE PLANTING DETAIL

NOT TO SCALE

COSA GENERAL NOTES

- ALL THE TREES WITH A DIAMETER GREATER THAN 3 INCHES AFFECTED BY CONSTRUCTION SHALL HAVE THE LIMBS AND ROOTS TRIMMED AND PRUNED ACCORDING TO ITEM NO. 802. TREE PRUNING, SOIL AMENDING AND FERTILIZATION, UNLESS SPECIFIED TREES SHALL RECEIVE LEVEL 2 PROTECTION AS PER ITEM NO. 802. TREES TO RECEIVE LEVEL 1 PROTECTION AS PER ITEM NO. 802 ARE SHOWN ON TREE PROTECTION TABLE ON THIS SHEET.
- ALL TREES SHALL REMAIN UNLESS NOTED ON THE PLANS.
- NO SITE PREPARATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
- TREE PROTECTION FENCING SHALL BE REQUIRED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION.
- THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN THREE INCHES IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR.
- THE ROOT PROTECTION ZONE IS THAT AREA SURROUNDING A TREE, AS MEASURED BY A RADIUS FROM THE TREE TRUNK, IN WHICH NO EQUIPMENT, VEHICLES OR MATERIALS MAY OPERATE OR BE STORED. THE REQUIRED RADIUS LENGTH IS 1 FOOT PER DIAMETER INCH OF THE TREE. FOR EXAMPLE, A 10-INCH DIAMETER TREE WOULD HAVE A 5-FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES THAT ARE IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. LIVE OAK WOUNDS SHALL BE PAINTED OVER, WITHIN 20 MINUTES TO PREVENT OAK WILT.
- ACCESS TO FENCED AREAS WILL BE PERMITTED ONLY WITH THE APPROVAL OF THE ENGINEER OR CITY INSPECTOR.
- GRADING, IF REQUIRED, SHALL BE LIMITED TO A 3 INCH CUT OR FILL WITHIN THE FENCED ROOT ZONE AREAS.
- TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS SHALL BE REMOVED BY HAND AS DIRECTED BY THE PROJECT MANAGER OR CITY INSPECTOR.
- TREES DAMAGED OR LOST DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE ENGINEER'S SATISFACTION.
- EXPOSED ROOTS SHALL BE COVERED AT THE END OF EACH DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH OR WET BURLAP.
- ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST PRIOR TO ITS REMOVAL.

PAPE-DAWSON
ENGINEERS

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BRIGGS RANCH EAST 804 AC TRACT
SAN ANTONIO, TEXAS

TREE PRESERVATION DETAIL
SHEET 7 OF 8

PLAT NO. N/A
JOB NO. 11412-09
DATE JANUARY 2024
DESIGNER CLL
CHECKED SSC DRAWN NA
SHEET T7.00

