

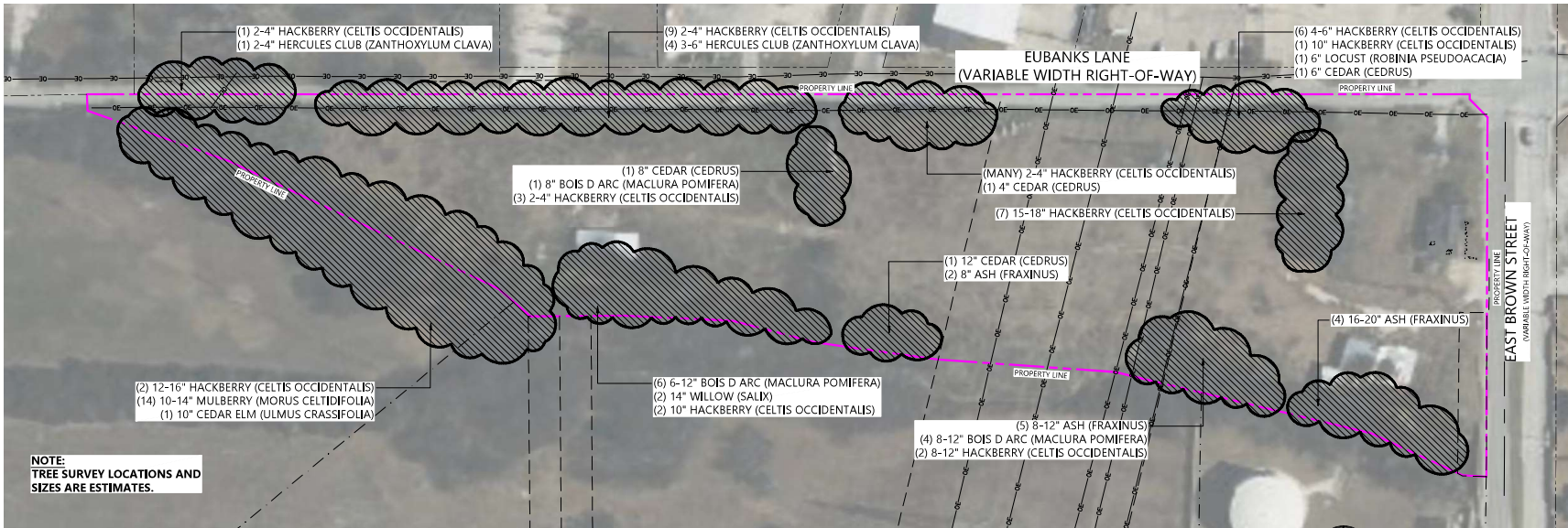


FILED FOR:



425 Houston Street, Ste 400
 Fort Worth, TX 76102

REVISIONS:	#	DATE	COMMENT



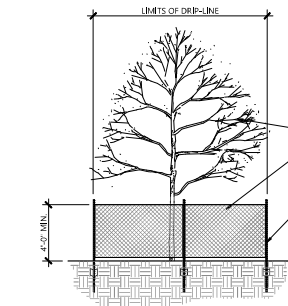
1 OVERALL TREE INVENTORY PLAN
 1" = 60'-0"

TREE MITIGATION NOTES

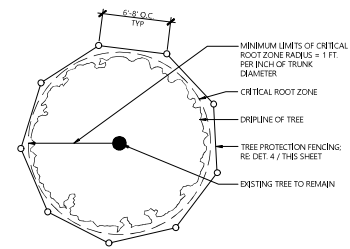
- PROCEDURES REQUIRED PRIOR TO CONSTRUCTION. THE FOLLOWING PROCEDURES SHALL BE FOLLOWED ON ALL TYPES OF CONSTRUCTION PROJECTS.
 - DURING PRE-CONSTRUCTION, TREES TO BE REMOVED SHOULD BE REMOVED FROM THE SITE IN A MANNER TO AVOID INJURY TO REMAINING TREES, INCLUDING THE REMOVAL OF STUMPS AND/OR ROOT SYSTEMS. HEAVY EQUIPMENT SHALL NOT ENDOUGH ON THE ROOT SYSTEMS OF TREES TO BE RETAINED OR OTHER TREES OF HIGH VALUE. IF NECESSARY, TREES SHOULD BE REMOVED MANUALLY WITH CHAIN SAWS, AND STUMPS SHOULD BE GROUND OUT INSTEAD OF USING HEAVY EQUIPMENT.
 - CRITICAL ROOT ZONES SHALL BE ESTABLISHED AND MAINTAINED FOR ALL TREES TO BE CONSERVED ON A CONSTRUCTION SITE. THIS AREA MAY BE ADJUSTED FOR EXISTING BUILDINGS, WALKWAYS, AND ROADS BY PERMISSION OF OWNER. BARRICADES SHALL BE 4 FOOT HIGH ORANGE VINYL CONSTRUCTION FENCE, SIGNS IN ENGLISH AND SPANISH SHALL BE PLACED VISIBLE FROM ALL DIRECTIONS ALONG THE FENCE TO INFORM WORKERS OF THE PURPOSE OF THE BOUNDARY. THE BARRIER AND PROPER SIGNAGE SHALL BE INSTALLED PRIOR TO ANY SITE PREPARATION AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILDUP WITHIN THE TREE DRIP LINE. APPLY 4 INCHES OF COARSE MULCH WITHIN PROTECTION AREAS TO HELP REDUCE MOISTURE STRESS AND REDUCE MAINTENANCE.
 - WHERE EXCAVATIONS ARE PERFORMED WITHIN THE ROOT ZONE OF TREES, TRENCHING SHOULD BE PERFORMED MANUALLY, OR BY USING A VIBRATORY FLOW, DIRECTIONAL BORER, OR BY AIR SPADING. BACKFILLS SHALL NOT BE USED TO RIP ROOTS AT CONSIDERABLE DISTANCES FROM THE POINT OF EXCAVATION WHEN TRENCHING OR MODIFICATION OF THE ROOT ZONE ENCLOSED HEAVILY ONTO ESTABLISHED TREES. A ROOT PRUNING METHOD SHOULD BE EMPLOYED WHERE THE ROOTS ARE EXPOSED AND TRIMMED WITH PROPER PRUNING TOOLS SEVERAL INCHES TO THE SIDE OF THE TRENCH BORDERING THE TRUNK OF THE AFFECTED TREE. TEARING OF ROOTS IS TO BE AVOIDED. SUPPLEMENTAL IRRIGATION SHALL START IF NEEDED. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH TO THE SOIL AND SEALED USING LAC-BALSAM BACKFILL. ROOT AREAS WITH GOOD QUALITY TOP SOIL, AS SOON AS POSSIBLE (I.E. WITHIN THE SAME WORKDAY), IF ROOTS ARE NOT BACKFILLED WITHIN THIS TIME, THEY SHALL BE COVERED WITH ORGANIC MATERIAL SUCH AS COMPOSTED MULCH TO A DEPTH OF 4 INCHES, WHICH WILL REDUCE TEMPERATURE AND MINIMIZE WATER LOSS DUE TO EVAPORATION.
 - ALL TREES DIRECTLY ADJACENT TO BUILDINGS SHOULD BE PRUNED FOR CANOPY RAISING TO PROVIDE A MINIMUM OF 4 TO 6 FEET OF CLEARANCE OVER THE BUILDINGS AS WELL AS CANOPY REDUCTION PRUNING TO PROVIDE A MINIMUM OF 2 FEET CLEARANCE AWAY FROM THE SIDES OF BUILDINGS.

- THE FOLLOWING ACTIVITIES ARE PROHIBITED WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF ANY PROTECTED TREE SUBJECT TO THE REQUIREMENTS OF THE CITY ORDINANCE.
 - MATERIAL STORAGE: NO MATERIALS INTENDED FOR USE IN CONSTRUCTION OR WASTE MATERIALS ACCUMULATED DUE TO EXCAVATION OR DEMOLITION SHALL BE PLACED WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF ANY PROTECTED TREE.
 - EQUIPMENT CLEANING/LIQUID DISPOSAL: NO EQUIPMENT SHALL BE CLEANED OR OTHER LIQUIDS DEPOSITED OR ALLOWED TO FLOW OVERLAND WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF A PROTECTED TREE. THIS INCLUDES WITHOUT LIMITATION, PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR OR SIMILAR MATERIALS.
 - TREE ATTACHMENTS: NO SIGNS, WIRES OR OTHER ATTACHMENTS, OTHER THAN THOSE A PROTECTIVE NATURE, SHALL BE ATTACHED TO ANY PROTECTED TREE.
 - GRADE CHANGES: NO GRADE CHANGES SHALL BE ALLOWED WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF ANY PROTECTED TREE UNLESS ADEQUATE CONSTRUCTION METHODS ARE APPROVED BY THE LANDSCAPE ARCHITECT.
 - IMPERVIOUS PAVING: NO PAVING WITH ASPHALT, CONCRETE OR OTHER IMPERVIOUS MATERIALS THAT MAY REASONABLY BE EXPECTED TO KILL A TREE SHALL BE PLACED WITHIN THE LIMITS OF CRITICAL ROOT ZONE OF A PROTECTED TREE EXCEPT AS OTHERWISE ALLOWED IN THE CITY ORDINANCE.
 - PROHIBITED ACTIVITIES IN DRIP-LINE: NO HEAVY EQUIPMENT, INCLUDING BUT NOT LIMITED TO TRUCKS, TRACTORS, TRAILERS, BULLDOZERS, BOBCAT TRACTORS, TRENCHERS, COMPRESSORS, AND HOISTS, SHALL BE ALLOWED INSIDE THE DRIP-LINE OF ANY PROTECTED TREE ON ANY CONSTRUCTION SITE WITHOUT THE SPECIFIC APPROVAL OF THE LANDSCAPE ARCHITECT.
 - TREES THAT WERE PREVIOUSLY IRRIGATED SHALL BE IRRIGATED DURING CONSTRUCTION. THEY SHALL RECEIVE A MIN. OF ONE INCH OF WATER PER WEEK FROM THE COMBINATION OF RAINFALL AND IRRIGATION. TREES WITH ROOT-DAMAGE SHALL RECEIVE TWO INCHES OF WATER PER WEEK FROM COMBINATION OF RAINFALL AND IRRIGATION.
 - CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO TREES THAT ARE TO REMAIN. CONTRACTOR TO INSTALL NEW TREE OF EQUIVALENT SIZE IF DAMAGED DURING CONSTRUCTION.

TREE MITIGATION DETAILS



1 TREE PROTECTION FENCING
 1/2" = 1'-0"



2 TREE PROTECTION FENCING- PLAN VIEW
 N.T.S.

Bufflehead BESS Project

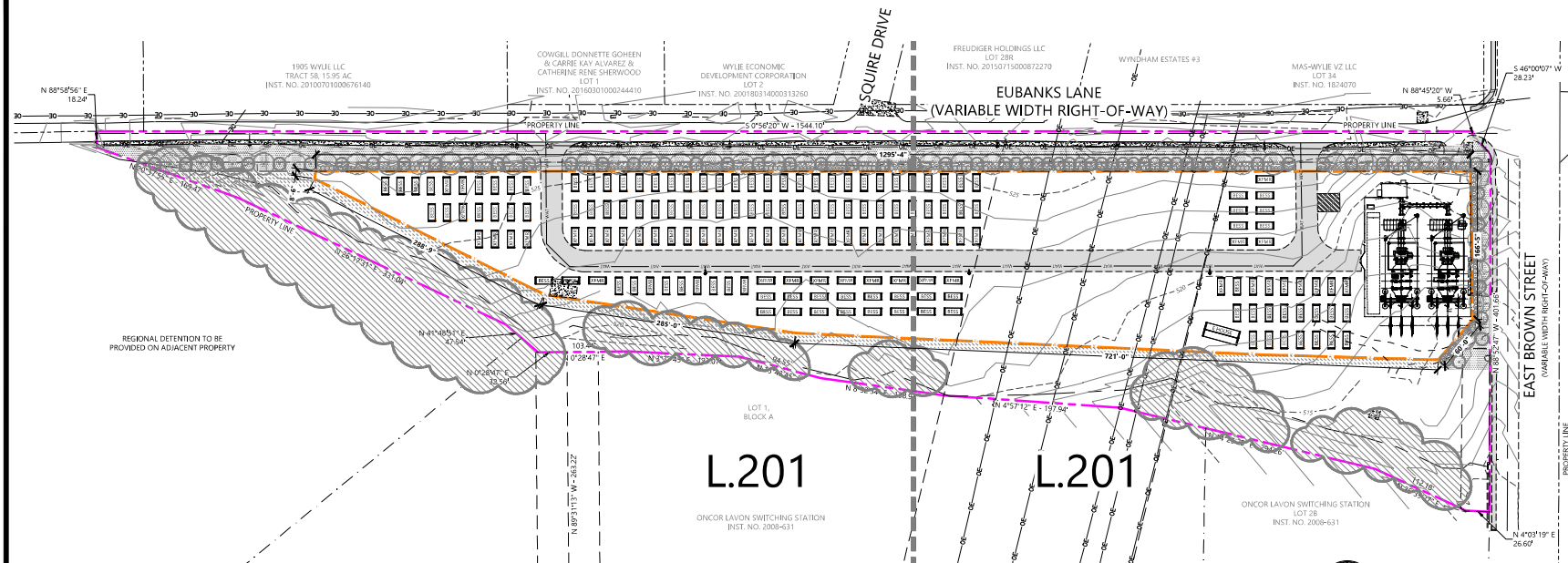
Collin County, Texas

Overall Tree Inventory Plan

NOT FOR CONSTRUCTION

DATE: 07/19/2023

SHEET: L.100



1 OVERALL LANDSCAPE PLAN

1" = 60'-0"

LANDSCAPING DESIGN REQUIREMENTS - CITY OF WYLIE, TEXAS

SITE DESCRIPTION				
ZONING DISTRICT: L1 (LIGHT INDUSTRIAL)				
TOTAL LOT SIZE: 8.86 ACRES (380,583 SQ. FT.)				
LANDSCAPING IN REQUIRED YARDS	REQUIRED	PROVIDED	DESIRABLE DESIGN ATTRIBUTE	OBTAINED
AT LEAST 10% OF THE SITE SHALL BE LANDSCAPED	100,000 SQ. Y. TOTAL - 30,000 SQ. Y.	10,000 SQ. Y.	(1) 1.00% OF THE SITE SHALL BE LANDSCAPED	YES
LANDSCAPING IS REQUIRED IN THE FRONT YARD	YES	YES	(2) PROVIDE THE FOLLOWING LANDSCAPE CONDITIONS IN THE SIDE AND REAR YARDS: NOT OTHERWISE REQUIRED BECAUSE OF RESIDENTIAL ADJACENCY.	EXISTING VEGETATION ALONG REAR AND SIDE PROPERTY LINE TO PROVIDE SCREENING
LANDSCAPING IS REQUIRED IN SIDE AND REAR YARDS ADJACENT TO OR ACROSS THE STREET FROM RESIDENTIAL	NO	YES	(A) THE LANDSCAPE AREA IS AT LEAST 10 FEET IN WIDTH (B) THE LANDSCAPE AREA HAS A BUFFER OF AT LEAST 3 FEET IN WIDTH WITHIN THE LANDSCAPE STRIP (C) THE LANDSCAPE AREA CONTAINS AT LEAST ONE FLOWERING TREE FOR EVERY 20 LINEAR FEET OF PLANTING AREA	REFERENCE TREE SURVEY PLAN
LANDSCAPING OF PARKING LOTS	REQUIRED	PROVIDED	DESIRABLE DESIGN ATTRIBUTE	OBTAINED
SITE PLANS REQUIRING MORE THAN 12 SPACES REQUIRED TO HAVE 50 SQ. FT. OF LANDSCAPING PER SPACE	N/A	N/A	** NO PROPOSED PARKING ON SITE **	N/A
NO PARKING SPACE FURTHER THAN 60' FROM LANDSCAPED AREA ON SITE	N/A	N/A		N/A
PARKING ROWS 12 SPACES OR LONGER SHALL HAVE LANDSCAPED ISLANDS AT END	N/A	N/A		N/A
ALL PARKING ROWS SHALL HAVE LANDSCAPED AREAS AT LEAST EVERY 12 SPACES	N/A	N/A		N/A
VISUAL SCREENING	REQUIRED	PROVIDED	DESIRABLE DESIGN ATTRIBUTE	OBTAINED
THE SERVICE AREA SHALL BE BORDERED BY A LANDSCAPED STRIP AT LEAST 5 FEET IN WIDTH	YES	YES	NONE PROVIDED IN CODE REQUIREMENTS	N/A
THE STRIP SHALL BE AT LEAST 3 FEET IN HEIGHT WHEN PLANTED AND WITHIN THE LANDSCAPE STRIP	YES	YES		N/A
THE SCREENING SHALL INCLUDE AT LEAST ONE FLOWERING TREE FOR EVERY 20 LINEAR FEET OF LANDSCAPE AREA	62 TREES	63 TREES		N/A
	11 TREES	11 TREES		N/A
LANDSCAPING OF STREET FRONTAGES	REQUIRED	PROVIDED	DESIRABLE DESIGN ATTRIBUTE	OBTAINED
AT LEAST 50% OF REQUIRED FRONT YARD DEVELOPED AS LANDSCAPED BUFFER, AT LEAST 10' IN WIDTH	5,327 SF X 50% = 2,664 SF	2,664 SF	(1) UTILIZE LOW-RISK WALLE OR OTHER NATURAL LANDSCAPE FEATURES, FLOWERING SHRUBS AND SEASONAL FLOWERS WITHIN THE LANDSCAPE	YES
TREES REQUIRED IN BUFFER, IN GROVES OR BELTS ON A 30-40' SPACING	YES	YES (35' O.C.)	(2) INCREASE MINIMUM WIDTH OF THE LANDSCAPED BUFFER BY 20 PERCENT	YES (12' BUFFER PROVIDED)
REQUIRED TREES AT LEAST 3" IN CALIPER	YES	YES	(3) PROVIDE SPECIAL BECHES, LIGHTING, OR OTHER STREETSCAPE AMENITIES ALONG THE WALKWAY	NO
AT LEAST 4' MEANDERING CONCRETE WALKWAY ON PERIMETER WHEN ADJACENT TO THOROUGHFARE	YES	YES		
NOTE: ALL PLANTING TO BE IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM PER CITY OF WYLIE REQUIREMENTS.				

PLANTING SCHEDULE

	<u>TREES</u>	<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE/COND.</u>	<u>REMARKS</u>
	Q5	22	QUERCUS SHUMARDII SHUMARD RED OAK	CONT	3" CAL. SINGLE, STRAIGHT LEADER, MATCHING	
	QH	17	QUERCUS VIRGINIANA 'HIGH RISE' HIGH RISE LIVE OAK	CONT	3" CAL. SINGLE, STRAIGHT LEADER, MATCHING	
	<u>ORNAMENTAL TREES</u>	<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE/COND.</u>	<u>REMARKS</u>
	LN	73	LAGERSTROEMIA X 'NATCHEZ' CRAPE MYRTLE	30 GAL	3" CAL. MULTI-TRUNK, FULL, MATCHING	
	<u>SHRUBS</u>	<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>SPACING</u> <u>REMARKS</u>
	ID	192	ILEX CORNUTA 'DWARF BURFORD' DWARF BURFORD HOLLY	5 GAL	48" o.c.	FULL, MATCHING, 3' HT AT TIME OF PLANTING
	LFG	143	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD' TM GREEN CLOUD TEXAS RANGER	5 GAL	60" o.c.	FULL, MATCHING, 3' HT AT TIME OF PLANTING
	<u>GROUND COVERS</u>	<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>SPACING</u> <u>REMARKS</u>
	LM	1,582	LIRIOPE MUSCARIF 'BIG BLUE' LILY TURF	4" POT	18" o.c.	FULL, MATCHING
	NH	101,807 SF	NATIVE SEED MIX-HYDROSEED	HYDROSEED		
	TRA	3,311	TRACHELOSPERMUM ASIATICUM ASIAN JASMINE	1 GAL	12" o.c.	FULL, MATCHING
	<u>SOD/SEED</u>	<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>SPACING</u> <u>REMARKS</u>
	CD	31,091 SF	CYNODON DACTYLON BERMUDA GRASS	SOD		SOLID, ROLLED TIGHT, SAND FILLED JOINTS, 100% WEED, PEST AND DISEASE FREE

Westwood

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Ft. Worth, TX 76102
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Email: info@westwoodpa.com
Westwood Professional Services, Inc.

INTERIM REVIEW

THIS PROJECT IS IN THE INTERIM REVIEW PHASE. ANY CHANGES TO THE PROJECT MUST BE APPROVED BY THE CITY OF WYLIE.

PREPARED FOR:



425 Houston Street, Ste 400
Fort Worth, TX 76102

REVISIONS:

#	DATE	COMMENT

Bufflehead BESS Project

Collin County, Texas

Overall Landscape Plan

NOT FOR CONSTRUCTION

DATE: 07/19/2023

SHEET: L.200

INTERIM REVIEW

THIS DOCUMENT HAS BEEN PREPARED FOR THE INTERIM REVIEW OF THE PROJECT. IT IS NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES TO THE PROJECT MUST BE APPROVED BY THE PROJECT MANAGER. WESTWOOD PROFESSIONAL SERVICES, INC. TEXAS REGISTRATION NUMBER 0803

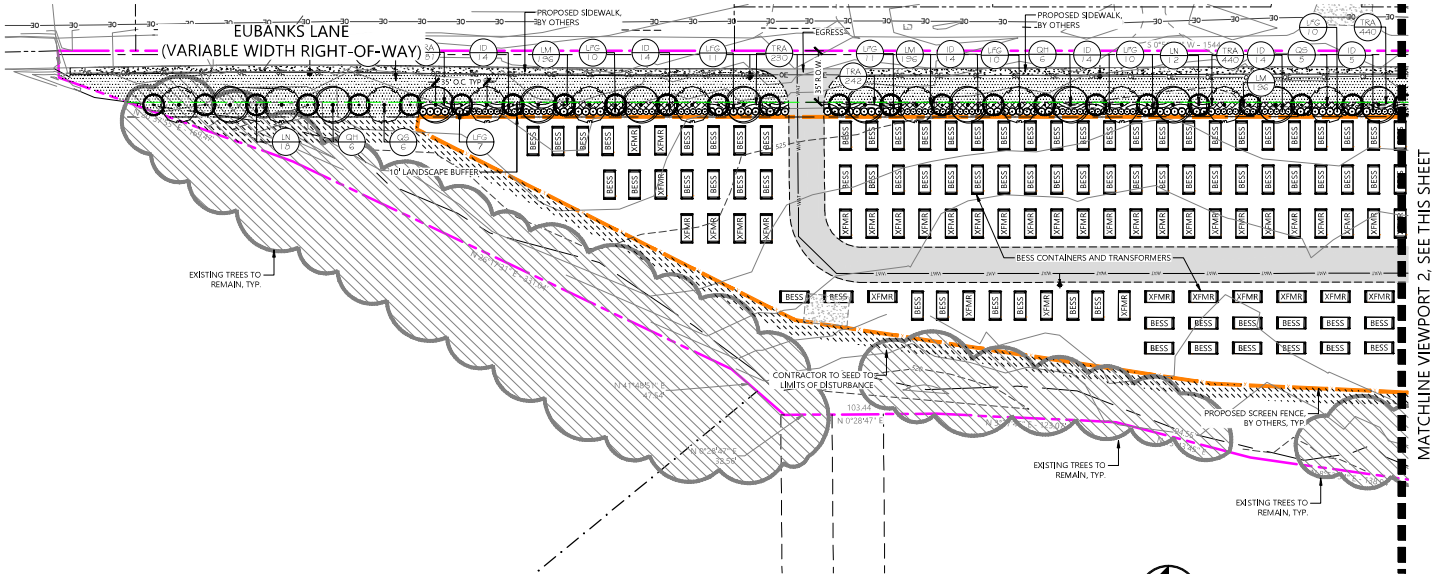
PREPARED FOR:



425 Houston Street, Ste 400
 Fort Worth, TX 76102

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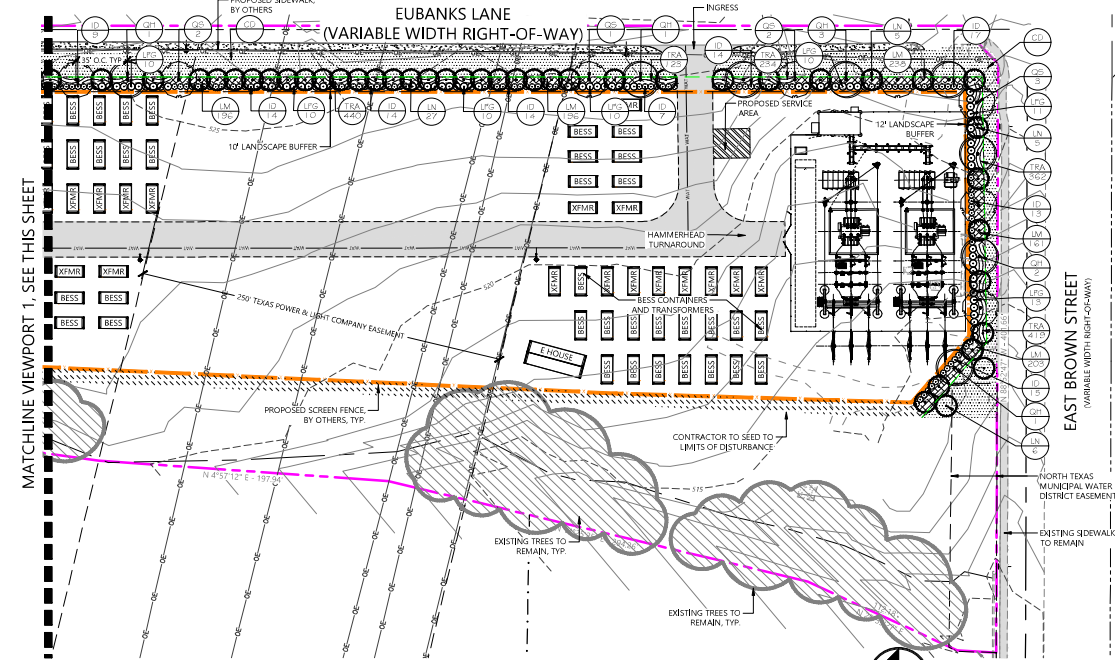


1 LANDSCAPE PLAN

1" = 40'-0"



0 20 40 80 120
 GRAPHIC SCALE IN FEET



2 LANDSCAPE PLAN

1" = 40'-0"



0 20 40 80 120
 GRAPHIC SCALE IN FEET

PLANTING KEY

TREES	CODE	QTY	BOTANICAL / COMMON NAME
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	TRA	3,311	TRACHELOSPERMUM ASIATICUM ASIAN JASMINE
SOD/SEED	CODE	QTY	BOTANICAL / COMMON NAME
	CD	31,091 SF	CYNODON DACTYLON BERMUDA GRASS

Bufflehead BESS Project

Collin County, Texas

Landscape Plan

NOT FOR CONSTRUCTION

DATE: 07/19/2023

SHEET: L.201

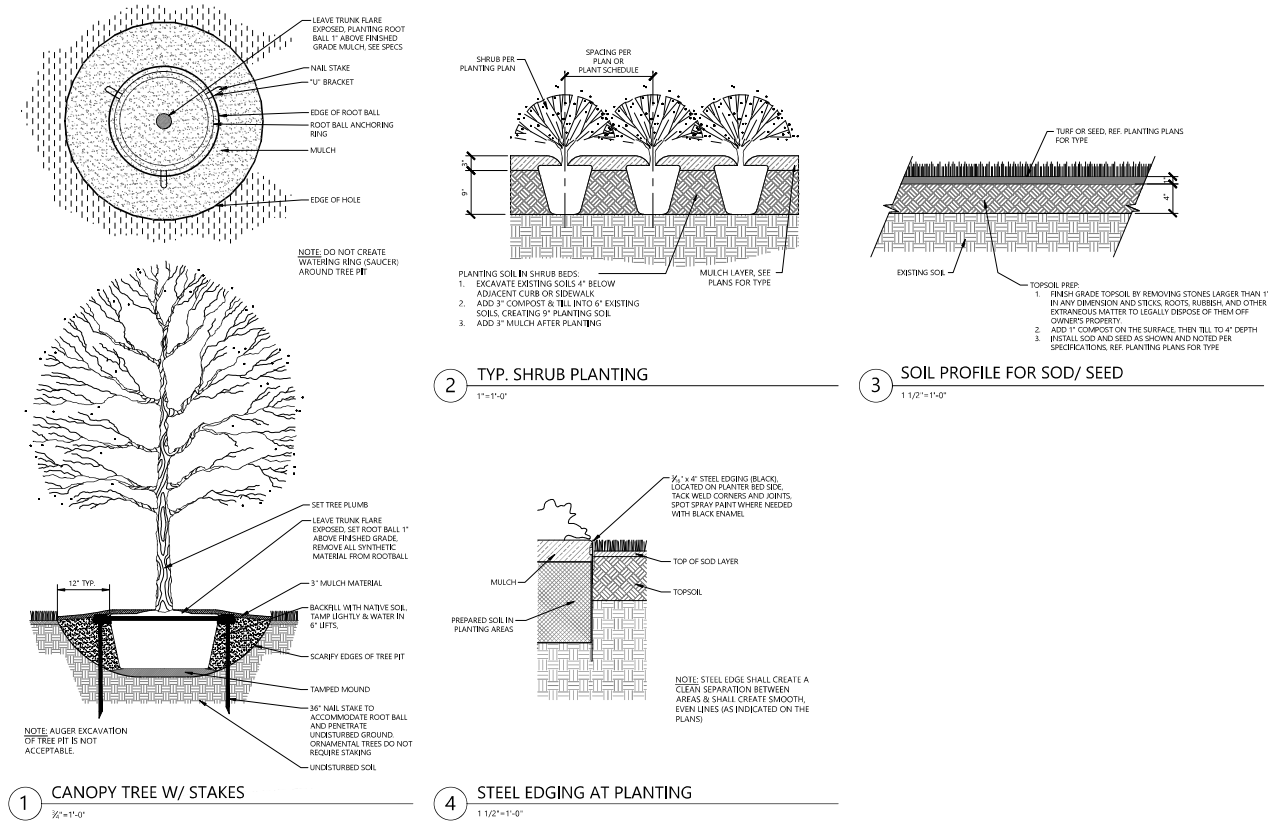
PLANTING NOTES

1. ALL PLANTS SHALL BE SET OUT FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
2. FINE GRADING SHALL BE PERFORMED IN ALL AREAS TO BE LANDSCAPED. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE AND INSURE POSITIVE DRAINAGE IN ALL AREAS.
3. THE CONTRACTOR SHALL LOCATE ALL UTILITIES AND EASEMENTS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES DURING THE COURSE OF CONSTRUCTION.
4. WRITTEN DIMENSIONS SHALL GOVERN OVER SCALED DIMENSIONS.
5. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS ASSOCIATED WITH THE LANDSCAPE AND ACCESSORIES.
6. ALL PLANT MATERIALS SHALL MEET ANSI Z60.1 STANDARDS FOR CALIPER, HEIGHT AND ROOT BALL SIZE. ANY MATERIALS THAT DO NOT MEET OR EXCEED SUCH STANDARDS SHALL BE REJECTED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
7. BALLED AND BURLAPPED TREES SHALL HAVE THE TOP HALF OF THE WIRE BASKET REMOVED. THE BURLAP SHALL BE REMOVED TO THE GREATEST EXTENT POSSIBLE, USING A KNIFE TO CUT AND REMOVE THE BOTTOM HALF UNDER THE WIRE BASKET THAT REMAINS.
8. QUANTITIES ARE SHOWN FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES.

PLANT MATERIAL



PLANTING DETAILS



Westwood

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Sales: (817) 335-1101 westwoodpl.com
Westwood Professional Services, Inc.

INTERIM REVIEW

THIS DOCUMENT HAS BEEN REVIEWED FOR
THE PRESENCE OF 1) ALL INFORMATION
NECESSARY FOR THE PROPER CONSTRUCTION,
AND 2) ALL INFORMATION NECESSARY FOR THE
PROPER MAINTENANCE OF THE PROJECT.
DATE: 07/19/2023
DRAWING NUMBER: 1002

PREPARED FOR:



425 Houston Street, Ste 400
Fort Worth, TX 76102

REVISIONS		
#	DATE	COMMENT

Bufflehead BESS Project

Collin County, Texas

Landscape Notes & Details

NOT FOR CONSTRUCTION

DATE: 07/19/2023

SHEET: L.202