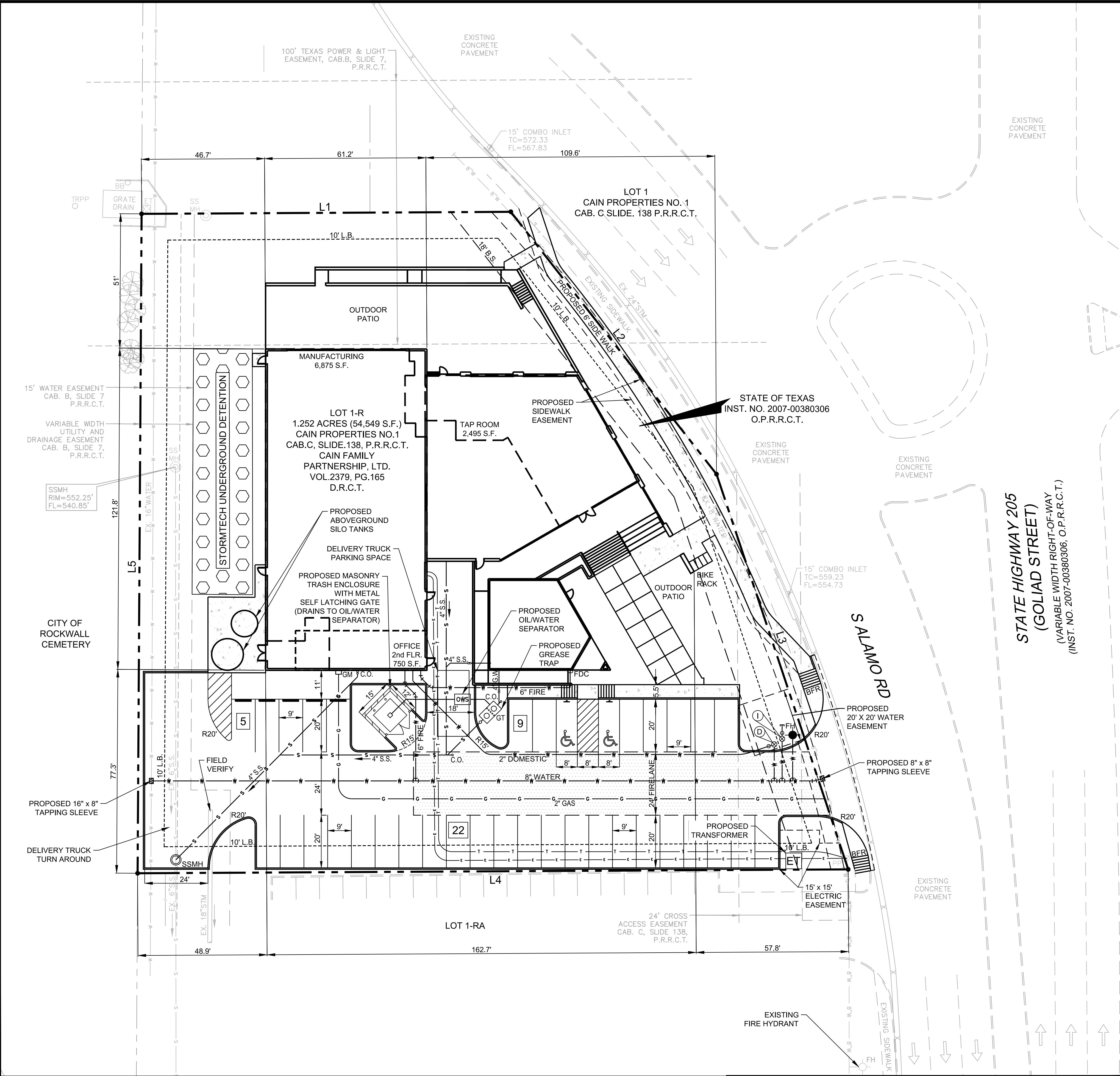


LEGEND	
	PROPERTY LINE
	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING SANITARY SEWER LINE
	PROP. SANITARY SEWER LINE
	PROPOSED STORM SEWER
	PROPOSED FIRE HYDRANT
	PROPOSED FIRE CONNECTION
	PROPOSED WATER METERS
	PROPOSED BACK FLOW PREVENTER
	PEDESTRIAN SIGN & VISIBILITY EASEMENT
	UTILITY EASEMENT
	WATER EASEMENT
	SANITARY SEWER EASEMENT
	DRAINAGE EASEMENT
	FIRE LANE, PUBLIC ACCESS & WATER EASEMENT
	VISIBILITY EASEMENT
	PROPOSED FIRE LANE
	FRONT SET BACK
	LANDSCAPE SET BACK
	BARRIER FREE RAMP
	EXISTING STORM SEWER
	EXISTING PAVEMENT/CURB
	EXISTING SEWER MANHOLE
	PROPOSED HANDICAP PARKING SPACE
	EXISTING POWER POLE
	EXISTING STORM INLETS
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	PROPOSED BOLLARDS
	PROPOSED CAR STACKING
	PROP. 6' HIGH WROUGHT IRON FENCE
	EXISTING TREE
	TRANSFORMER
	FIRE LANE, PUBLIC ACCESS & UTILITY EASEMENT
	GREASE TRAP
	SAMPLING WELL
	SINGLE CLEAN OUT
	DOUBLE CLEAN OUT
	MONUMENT/POLE SIGN
	PROPOSED WHEEL STOP
	PROPOSED HANDICAP SIGN

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE STANDARDS OF THE CITY OF ROCKWALL.
- A PERMIT IS REQUIRED TO CUT A CITY STREET OR WORK WITHIN THE RIGHT-OF-WAY. THE PERMIT IS ISSUED BY THE PUBLIC WORKS DEPARTMENT.
- THE LOCATION OF UNDERGROUND UTILITIES INDICATED ON THE PLANS IS TAKEN FROM PUBLIC RECORDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND UTILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND UTILITIES. IF EXISTING UNDERGROUND UTILITIES ARE DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRING THE UTILITY.
- WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
- ALL EXCAVATIONS, TRENCHING AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE U. S. DEPARTMENT OF LABOR, OSHA, "CONST. SAFETY AND HEALTH REGULATIONS", VOL. 29, SUBPART P. PG. 128 - 137, AND ANY AMENDMENTS THERETO.
- ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION OR BETTER.
- THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS.
- ANY CHANGES NEEDED AFTER CONSTRUCTION PLANS HAVE BEEN RELEASED, SHALL BE APPROVED BY THE CITY ENGINEER. THESE CHANGES MUST BE RECEIVED IN WRITING FROM THE DESIGN ENGINEER. THE DIRECTOR OF PUBLIC WORKS SHALL APPROVE ANY DEVIATIONS FROM STATE REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE "RED LINED" MARKED PRINTS TO THE ENGINEER PRIOR TO FINAL INSPECTION INDICATING ALL CONSTRUCTION WHICH DEVIATED FROM THE PLANS OR WAS CONSTRUCTED IN ADDITION TO THAT INDICATED ON THE PLANS.



BOUNDARY LINE DATA		
LINE NO.	BEARING	DISTANCE
L1	N 89°41'09" E	140.00'
L2	S 38°05'53" E	126.41'
L3	S 18°25'49" E	157.96'
L4	S 89°41'12" W	269.46'
L5	N 00°20'48" E	250.05'

LEGEND		
UTILITY EASEMENT	U.E.	
SANITARY SEWER EASEMENT	S.S.E.	
DETENTION & DRAINAGE EASEMENT	D.D.E.	
WATERLINE EASEMENT	W.E.	
VISIBILITY EASEMENT	V.E.	
SIDEWALK EASEMENT	S.E.	
ELECTRICAL EASEMENT	E.E.	
CLEAN OUT	C.O.	
GAS METER	GM	
ELECTRICAL VAULT	EV	
LIGHT POLE	LP	
TRAFFIC SIGN	TS	
ELECTRICAL TRANSFORMER	ET	
FIRE HYDRANT	FH	
SANITARY SEWER MANHOLE	SSMH	
STORM SEWER MANHOLE	STMMH	
BUILDING SET BACK	B.S.	
LANDSCAPE BUFFER	L.B.	
PRESSURE REDUCING VALVE	PRV	
FIRE DEPARTMENT CONNECTION	F.D.C.	
SCREENING WALL & LANDSCAPE EASEMENT	S.W.L.E.	
BARRIER FREE RAMP	BFR	
VISIBILITY EASEMENT	V.E.	
VISIBILITY CLIP		

SITE DATA SUMMARY TABLE	
PHYSICAL ADDRESS	S. ALAMO ROAD
GROSS SITE AREA	1.252 ACRES (54,549 S.F.)
NET AREA	1.252 ACRES (54,549 S.F.)
ZONING	DT - DOWNTOWN
CURRENT USE	VACANT
PROPOSED USE	BREWERY
LOT COVERAGE DATA	
BREW HOUSE COVERAGE	6,875 S.F. (12.60%)
TAP ROOM COVERAGE	2,495 S.F. (4.57%)
OFFICE/ADMIN. COVERAGE (2ND LEVEL)	750 S.F. (1.37%)
BUILDING FOOTPRINT	11,931 S.F. (21.87%)
TOTAL BUILDING AREA	13,781 S.F. (25.26%)
IMPERVIOUS COVERAGE	23,053 S.F. (42.26%)
PERVIOUS COVERAGE	31,496 S.F. (57.74%)
PARKING SUMMARY	
PARKING SPACE REQUIREMENTS	
MANUFACTURING - 1 PER 1,000 S.F. (7)	
TAP ROOM - 1 PER 100 S.F. (25)	
OFFICE - 1 PER 300 S.F. (3)	
FOOD TRUCK PARKING (1)	
TOTAL PARKING SPACES REQUIRED =	36
TOTAL PARKING SPACES PROVIDED =	36
BUILDING DATA	
BUILDING	1
PEAK HEIGHT	34'-0"
TOTAL SQUARE FOOTAGE	13,781 S.F.

**DETENTION NOTE**

1. ONSITE DETENTION WILL BE PROVIDED.

WATER METER & SANITARY SEWER SCHEDULE				
ID	TYPE	SIZE	NO.	SAN. SEW.
(D)	DOM.	2"	1	4"
(I)	IRR.	1"	1	N/A

CASE # SP2018-038

**REDESIGNED SITE PLAN**

ROCKWALL BREWERY

310 SOUTH GOLIAD STREET

CITY OF ROCKWALL

ROCKWALL COUNTY, TEXAS

T: 214.609.9271 F: 469.359.6709 | E: kpatel@triangle-engr.com  
W: triangle-engr.com | O: 1333 McDermott Drive, Suite 200, Allen, TX 75013

Planning | Civil Engineering | Construction Management

DESIGN	DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	11/15/18	1"=20'	003-18	3

TX PE FIRM #11525

DEVELOPER	ENGINEER	SURVEYOR	ARCHITECT
COOPER GENERAL CONTRACTORS 2560 TECHNOLOGY DRIVE, SUITE 100 PLANO, TEXAS 75074 CONTACT: DOUG GALLOWAY TEL: (972) 245-7960	TRIANGLE ENGINEERING LLC 1784 McDERMOTT DRIVE, SUITE 110 ALLEN, TEXAS 75013 CONTACT: KARTAVYA PATEL TEL: (214) 609-9271	A&W SURVEYORS INC. P.O. BOX 870029 MESQUITE, TEXAS 75157 CONTACT: JOHN TURNER, R.P.L.S. TEL: (972) 881-4975	MUNN HARRIS ARCHITECTS, PLLC 5646 MILTON STREET, SUITE 437 DALLAS, TEXAS 75206 CONTACT: JOHN MUNN TEL: (214) 564-5343

NO.	DATE	DESCRIPTION	BY
1	10/26/2018	1st SITE PLAN SUBMITTAL	KP
2	11/30/2018	2nd SITE PLAN SUBMITTAL	KP





ALAMO STREET ELEVATION (EAST)



SOUTH ELEVATION

**SIREN ROCK BREWING CO.**

ROCKWALL, TEXAS

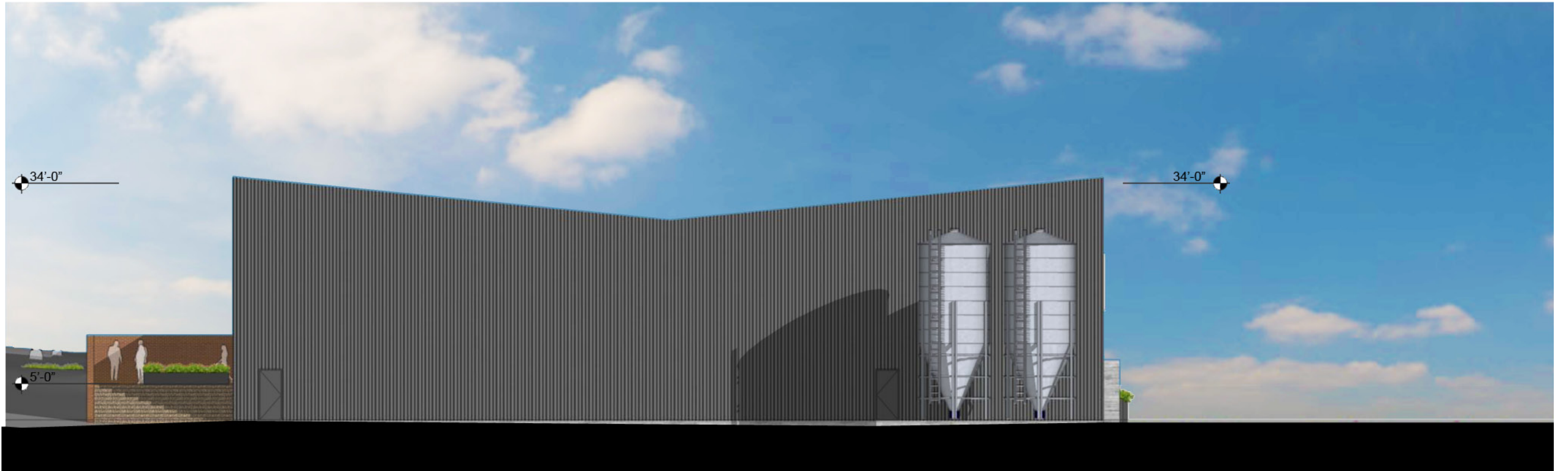
11.27.2018

**SP2018-038**

**MUNN HARRIS**  
 ARCHITECTS  
 5646 MILTON STREET  
 STE. 437, DALLAS, TX 75206  
 P.214.841.9090  
 WWW.MUNNHARRIS.COM



NORTH ELEVATION



WEST ELEVATION

**SIREN ROCK BREWING CO.**

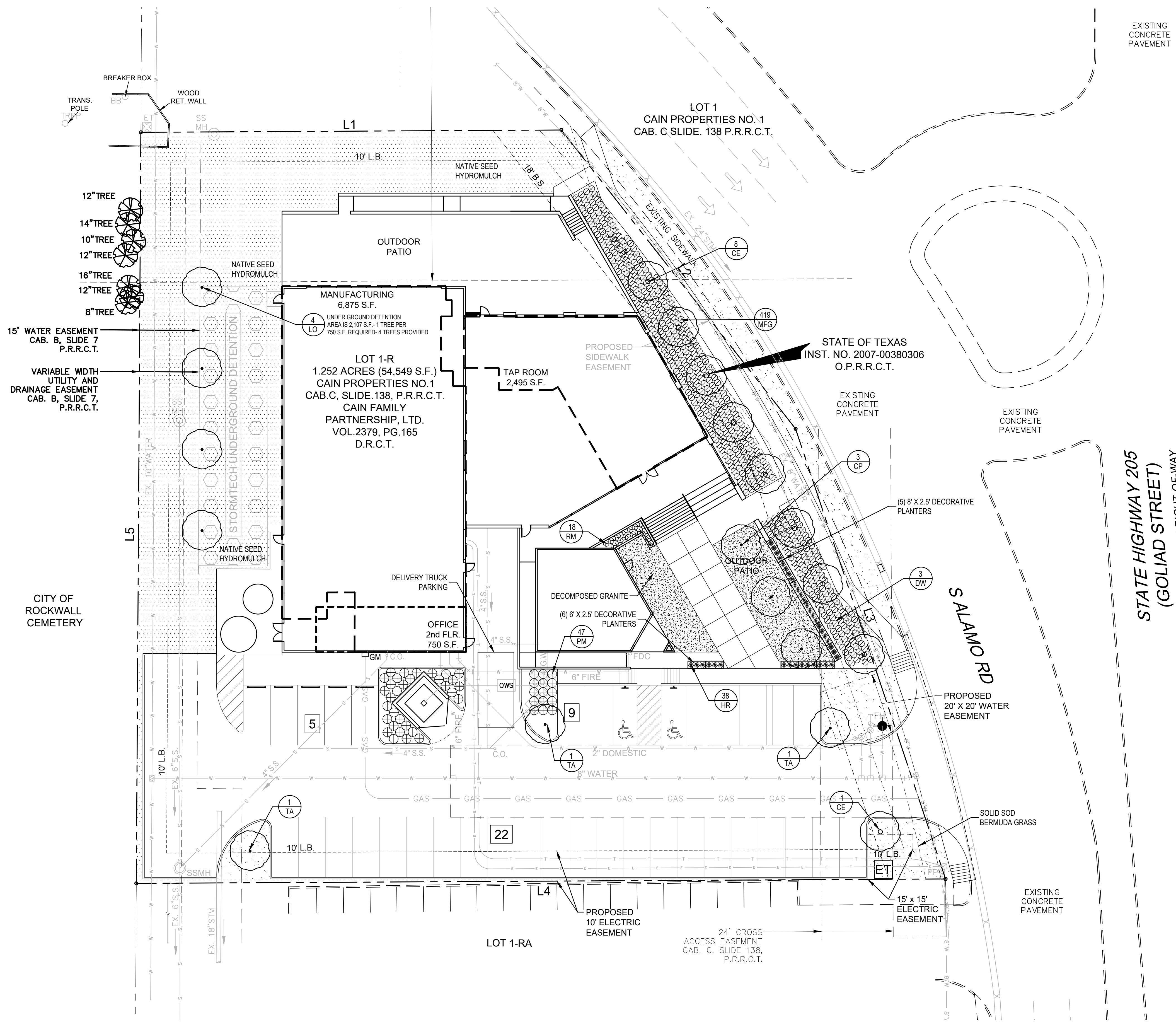
ROCKWALL, TEXAS

11.27.2018

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 STE.437, DALLAS, TX 75206  
 P.214.841.9090  
 WWW.MUNNHARRIS.COM





**GENERAL LAWN NOTES**

1. FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS INDICATED ON CIVIL PLANS.
2. ADJUST CONTOURS TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PROVIDE UNIFORM ROUNDING AT TOP AND BOTTOM OF SLOPES AND OTHER BREAKS IN GRADE. CORRECT IRREGULARITIES AND AREAS WHERE WATER MAY STAND.
3. ALL LAWN AREAS TO RECEIVE SOLID SOD SHALL BE LEFT IN A MAXIMUM OF 1" BELOW FINAL FINISH GRADE. CONTRACTOR TO COORDINATE OPERATIONS WITH ON-SITE CONSTRUCTION MANAGER.
4. IMPORTED TOPSOIL SHALL BE NATURAL, FRIABLE SOIL FROM THE REGION, KNOWN AS BOTTOM AND SOIL, FREE FROM LUMPS, CLAY, TOXIC SUBSTANCES, ROOTS, DEBRIS, VEGETATION, STONES, CONTAINING NO SALT AND BLACK TO BROWN IN COLOR.
5. ALL LAWN AREAS TO BE FINE GRADED, IRRIGATION TRENCHES COMPLETELY SETTLED, AND FINISH GRADE APPROVED BY THE OWNER'S CONSTRUCTION MANAGER OR ARCHITECT PRIOR TO INSTALLATION.
6. ALL ROCKS 34" DIAMETER AND LARGER, DIRT CLODS, STICKS, CONCRETE SPOOLS, ETC. SHALL BE REMOVED PRIOR TO PLACING TOPSOIL AND ANY LAWN INSTALLATION.
7. CONTRACTOR SHALL PROVIDE (1") ONE INCH OF IMPORTED TOPSOIL ON ALL AREAS TO RECEIVE LAWN.

**LANDSCAPE NOTES**

1. CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED SITE ELEMENTS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. SURVEY DATA OF EXISTING CONDITIONS WAS SUPPLIED BY OTHERS.
2. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND NOTIFY ARCHITECT OF ANY CONFLICTS. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF UNDERGROUND UTILITIES.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPE AND IRRIGATION PERMITS.
4. CONTRACTOR TO PROVIDE A MINIMUM 2% SLOPE AWAY FROM ALL STRUCTURES.
5. ALL PLANTING BEDS AND LAWN AREAS TO BE SEPARATED BY STEEL EDGING. NO STEEL TO BE INSTALLED ADJACENT TO SIDEWALKS OR CURBS.
6. ALL LANDSCAPE AREAS TO BE 100% IRRIGATED WITH AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM AND SHALL INCLUDE RAIN AND FREEZE SENSORS.
7. ALL LAWN AREAS TO BE SOLID SOD BERMUDAGRASS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

**SOLID SOD NOTES**

1. FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS INDICATED. LEAVE AREAS TO RECEIVE TOPSOIL 3" BELOW FINAL DESIRED GRADE IN PLANTING AREAS AND 1" BELOW FINAL GRADE IN TURF AREAS.
2. ADJUST CONTOURS TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PROVIDE UNIFORM ROUNDING AT TOP AND BOTTOM OF SLOPES AND OTHER BREAKS IN GRADE. CORRECT IRREGULARITIES AND AREAS WHERE WATER MAY STAND.
3. ALL LAWN AREAS TO RECEIVE SOLID SOD SHALL BE LEFT IN A MAXIMUM OF 1" BELOW FINAL FINISH GRADE. CONTRACTOR TO COORDINATE OPERATIONS WITH ON-SITE CONSTRUCTION MANAGER.
4. CONTRACTOR TO COORDINATE WITH ON-SITE CONSTRUCTION MANAGER FOR AVAILABILITY OF EXISTING TOPSOIL.
5. PLANT SOD BY HAND TO COVER INDICATED AREA COMPLETELY. INSURE EDGES OF SOD ARE TOUCHING. TOP DRESS JOINTS BY HAND WITH TOPSOIL TO FILL VOIDS.
6. ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE, FREE FROM UNNATURAL UNDULATIONS.
7. WATER SOD THOROUGHLY AS SOD OPERATION PROGRESSES.
8. CONTRACTOR SHALL MAINTAIN ALL LAWN AREAS UNTIL FINAL ACCEPTANCE. THIS SHALL INCLUDE, BUT NOT LIMITED TO: MOWING, WATERING, WEEDING, CULTIVATING, CLEANING AND REPLACING DEAD OR BARE AREAS TO KEEP PLANTS IN A VIGOROUS, HEALTHY CONDITION.
9. CONTRACTOR SHALL GUARANTEE ESTABLISHMENT OF AN ACCEPTABLE TURF AREA AND SHALL PROVIDE REPLACEMENT FROM LOCAL SUPPLY IF NECESSARY.
10. IF INSTALLATION OCCURS BETWEEN SEPTEMBER 1 AND MARCH 1, ALL SOD AREAS TO BE OVER-SEED WITH WINTER RYEGRASS, AT A RATE OF (4) POUNDS PER ONE THOUSAND (1000) SQUARE FEET.

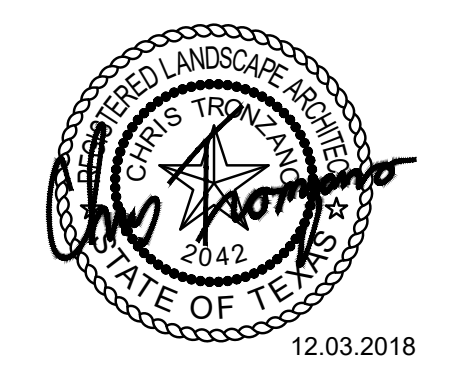
**PLANT MATERIAL SCHEDULE**

TREES					
TYPE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
CE	9	Cedar Elm	<i>Ulmus crassifolia</i>	3" cal.	B&B, 13' ht., 5' spread min., 5' clear trunk
CP	3	Chinese Pistache	<i>Chinese pistache</i>	5" cal.	B&B, 15' ht., 6' spread, 6' clear trunk
DW	3	Desert Willow	<i>Chilopsis linearis</i>	8' ht.	container 3 or 5 trucks, tree form
LO	4	Live Oak	<i>Quercus virginiana</i>	3" cal.	container, 12' ht., 4' spread, 5' clear straight trunk
TA	3	Texas Ash	<i>Fraxinus albicans</i>	3" cal.	container, 12' ht., 4' spread, 5' clear straight trunk
SHRUBS					
TYPE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
HR	38	Horestail Reed	<i>Equisetum hyemale</i>	3 gal.	container full, well rooted
MFG	419	Mexican Feather Grass	<i>Nassella tenuissima</i>	3 gal.	container full, well rooted
PM	47	Pink Muhly Grass	<i>Muhlenbergia capillaris</i>	3 gal.	container full, well rooted
RM	18	Prostrate Rosemary	<i>Rosmarinus officinalis 'Prostratus'</i>	3 gal.	container, 12" ht., 18" spread
GROUNDCOVERS					
TYPE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
		'419' Bermudagrass	<i>Cynodon dactylon '419'</i>		Solid Sod refer to notes

NOTE: Plant list is an aid to bidders only. Contractor shall verify all quantities on plan. All heights and spreads are minimums. All plant material shall meet or exceed remarks as indicated. All trees to have straight trunks and be matching within varieties.

NO TREE TO BE PLANTED WITHIN 5 FEET OF ANY UTILITY LINE

LANDSCAPE ARCHITECT  
STUDIO GREEN SPOT, INC.  
1784 W. McDERMOTT DR.  
SUITE 110  
ALLEN, TEXAS 75013  
(469) 369-4448  
CHRIS@STUDIOGREENSPOT.COM



SIREN ROCK BREWING CO.

ROCKWALL, TEXAS

CASE# SP2018-038

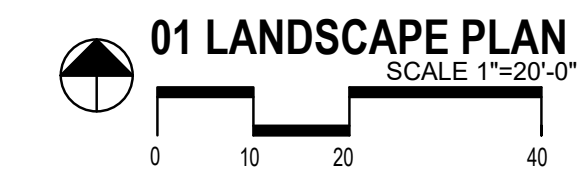
ISSUE:  
FOR REVIEW 11.14.2018  
CITY COMMENTS 12.03.2018

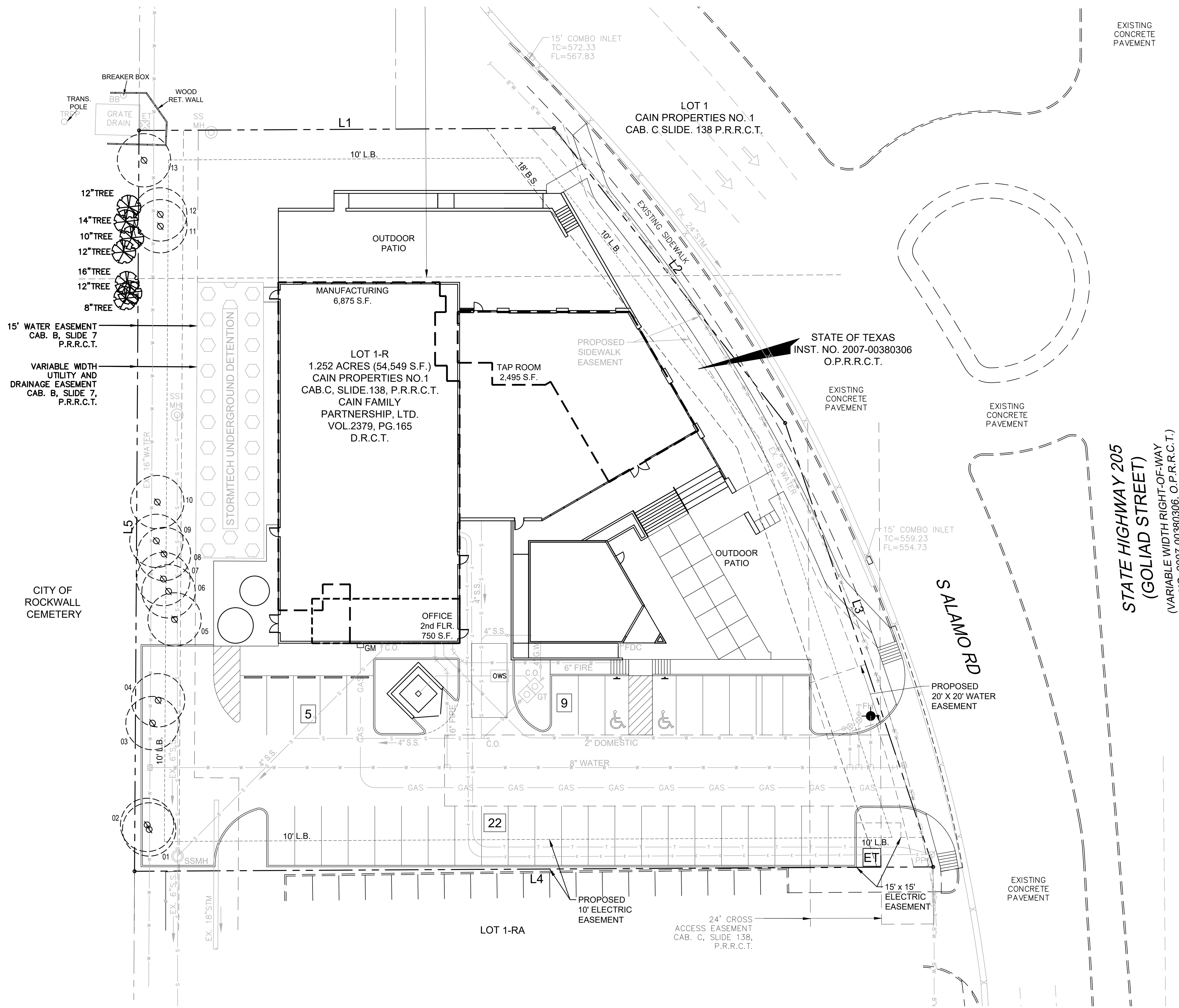
DATE:  
12.03.2018

SHEET NAME:  
LANDSCAPE PLAN

SHEET NUMBER:

L.2





**EXISTING TREE NOTES**

- Existing trees to remain shall be protected during construction from tree structure damage and compaction of soil under and around dripline (canopy) of tree.
- If any root structure is damaged during adjacent excavation/construction, notify the Architect immediately. It is recommended that a licensed Arborist be secured for the treatment of any possible tree wounds.
- No disturbance of the soil greater than 4" shall be located closer to the tree trunk than 1/2 the distance of the drip line to the tree trunk. A minimum of 75% of the drip line and root zone shall be preserved at natural grade.
- Any fine grading done within the critical root zones of the protected trees must be done with light machinery such as a bobcat or light tractor. No earth moving equipment with tracks is allowed within the critical root zone of the trees.
- 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 dripline of any tree.
- Equipment Cleaning/Liquid Disposal: No equipment may be cleaned, toxic solutions, or other liquid chemicals shall be deposited within the limits of the dripline of a tree. This would include but not be limited to paint, oil, solvents, asphalt, concrete, mortar, primers, etc.
- Tree Attachments: No signs, wires or other attachments, other than those of a protective nature shall be attached to any tree.
- Vehicular Traffic: No vehicular and construction equipment traffic or parking is allowed within the limits of the dripline of trees.
- Boring of Utilities: May be permitted under protected trees in certain circumstances. The minimum length of the bore shall be the width of the tree's canopy and shall be a minimum depth of forty-eight (48") inches.
- Trenching: Any irrigation trenching which must be done within the critical root zone of a tree shall be dug by hand and enter the area in a radial manner.
- Tree Flagging: All trees to be removed from the site shall be flagged by the Contractor with bright red vinyl tape (3" width) wrapped around the main trunk at a height of four (4) feet above grade. Flagging shall be approved by Landscape Architect prior to any tree removal. Contractor shall contact Landscape Architect with 72 hour notice to schedule on-site meeting.
- Protective Fencing: All trees to remain, as noted on drawings, shall have protective fencing located at the tree's dripline. The protective fencing may be comprised of snow fencing, orange vinyl construction fencing, chain link fence or other similar fencing with a four (4) foot approximate height. The protective fencing will be located as indicated on the Tree Protection Detail(s).
- Bark Protection: In situations where a tree remains in the immediate area of intended construction, the tree shall be protected by enclosing the entire circumference of the tree's trunk with lumber encircled with wire or other means that does not damage the tree. Refer to Tree Protection Detail(s).
- Construction Pruning: In a case where a low hanging limb is broken during the course of construction, the Contractor shall notify the Landscape Architect immediately. In no instance shall the Contractor prune any portion of the damaged tree without the prior approval by the Landscape Architect.

**TREE SURVEY FIELD DATA**

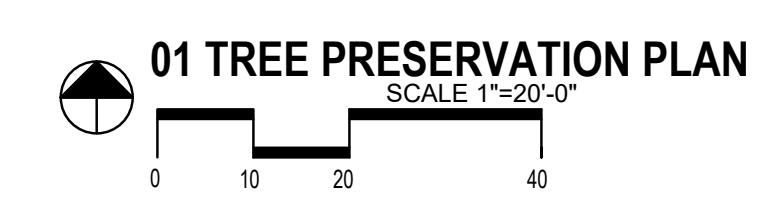
NO.	DIA. INCHES	SPECIES (COMMON NAME)	REMARKS
1	20	ELM	PROTECTED TO BE REMOVED
2	14	ELM	PROTECTED TO BE REMOVED
3	14	HACKBERRY	PROTECTED TO BE REMOVED
4	20	ELM	PROTECTED TO BE REMOVED
5	14	HACKBERRY	TO BE REMOVED
6	16	HACKBERRY	TO BE REMOVED
7	6	HACKBERRY	TO BE REMOVED
8	10	ELM	PROTECTED TO BE REMOVED
9	12	HACKBERRY	TO BE REMOVED
10	12	ELM	PROTECTED TO BE REMOVED
11	14	HACKBERRY	TO BE REMOVED
12	6	HACKBERRY	TO BE REMOVED
13	6	HACKBERRY	TO BE REMOVED

99 CALIPER INCHES OF TREES TO BE REMOVED  
 63 CALIPER INCHES TO BE PLANTED BACK ON SITE AN ADDITIONAL 31 CALIPER INCHES  
 WILL BE PLANTED OR PAID INTO THE CITY FUND (36 X \$100.00=\$3,600)

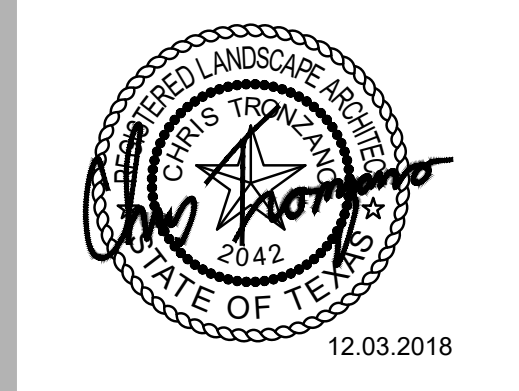
**NO TREE TO BE PLANTED WITHIN  
 5 FEET OF ANY UTILITY LINE**

**EXISTING TREE LEGEND**

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION FENCING TO REMAIN DURING CONSTRUCTION REFER TO 01/L.00



LANDSCAPE ARCHITECT  
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**SIREN ROCK BREWING CO.**  
 ROCKWALL, TEXAS

CASE# SP2018-038  
 ISSUE:  
 FOR REVIEW 11.15.2018  
 CITY COMMENTS 12.03.2018  
 DATE:  
 12.03.2018  
 SHEET NAME:  
 TREE PRESERVATION PLAN  
 SHEET NUMBER:

**L.1**



CONSULTANTS

CIVIL ENGINEERING:  
 Kevin Patel, P.E.  
 Triangle Engineering, LLC  
 1784 W. McDermott Dr., Ste. 110  
 Allen, Texas 75013  
 409.331.8566

STRUCTURAL ENGINEERING:  
 Cory W. Potts, P.E.  
 Lobsing & Potts Engineering, INC  
 1723 E. Southlake Blvd., Ste. 200  
 Southlake, Texas 76092  
 817.488.9933

MEP ENGINEERING:  
 George Hammons  
 T. Tabor Consulting, PLLC  
 1301 East Debbie Lane  
 Suite 102-152  
 Mansfield, Texas 76063  
 817.229.1839

BREWING EQUIPMENT SUPPLIER:  
 Brad Perkinson  
 American Beer Equipment  
 2001 SW 6th Street  
 Lincoln, Nebraska 68522  
 402.441.4784



Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
■	SB	3	Lithonia Lighting	DSXW1 LED 10C 530 40K T2M MVOLT	DSXW1 LED WITH (1) 10 LED LIGHT ENGINES. TYPE T2M OPTIC, 4000K, @ 530mA	LED	1	Type SB3_DSXW1_LED_10C_530_40K_T2M_MV OLT.ies	2102	0.9	19.1
○	SC	13	Lithonia Lighting	LDN6 35/05 LW6AR LSS	6IN LDN WALLWASH, 3500K, 500LM, CLEAR, SEMI-SPECULAR REFLECTOR	LED	1	Type SC3_LDN6_35_05_LW6AR_LSS.ies	598	0.9	7.65
■	SA	2	Lithonia Lighting	CSX1 LED 60C 700 40K T4M	CONTOUR SERIES LED AREA LUMINAIRE WITH 60 4000K LEDS OPERATED AT 700mA AND PRECISION MOLDED ACRYLIC TYPE IV LENS	LED	1	Type SA7_CSX1_LED_60C_700_40K_T4M.ies	16478	0.9	134
▭	SD	29	BEGA Converted by LUMCat V 04 08 2015 / M.S.	33023K3		LED 4.1W	1	Type SES_33023.ies	301	0.9	6
●	SE	8	Lithonia Lighting	OLLWU	OUTDOOR LED WALL UPLIGHT AND DOWNLIGHT CYLINDER WITH 4000K LEDS AND POLYCARBONATE LENSES	LED	1	Type SE_OLLWU.ies	491	0.9	14.3
●	SF	4	Lithonia Lighting	OLVTWM	OUTDOOR LED VAPOR TIGHT WALL MOUNT WITH 4000K LEDS WITH CAST ALUMINUM HOUSING	LED	1	Type SF_OLVTWM.ies	588	0.9	15.4
●	SG	3	Luminis Canada Inc.	SR135-L1W18r1-R2	Scirocco SR135	(1 Bridgelux BXRC-40E4000-F Round LED Array) White 18W SSL c/w Inventronics Driver LED40W-036-C700-M-D @ 120.00V	1	Type SG_SR135-L1W18r1-R2.ies	2619	0.9	18.5

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	Label	0.5 fc	15.4 fc	0.0 fc	N/A	N/A
Calc Zone #2		5.6 fc	15.6 fc	0.2 fc	78.0:1	28.0:1
Calc Zone #3		3.2 fc	4.2 fc	2.2 fc	1.9:1	1.5:1
Calc Zone #4		3.2 fc	7.7 fc	0.1 fc	77.0:1	32.0:1
Calc Zone #5		0.3 fc	4.3 fc	0.0 fc	N/A	N/A
Calc Zone #6		0.3 fc	3.3 fc	0.0 fc	N/A	N/A

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, OR BIDDING PURPOSES AND WAS PREPARED BY T. TABOR CONSULTING, PLLC (5279) UNDER TOMMY D. TABOR, TEXAS P.E. NO.57248 AUTHORIZATION

**TTC**  
 FIRM LD # 5279  
 T. TABOR CONSULTING, PLLC  
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REVISION

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CONTENTS: PHOTOMETRIC LIGHTING PLAN

SHEET NO: **MEP2.1**