I-470 BUSINESS & TECHNOLOGY CENTER, LOT 7 **ISSUED FOR PERMIT**

•

Ε

D

•

GENERAL NOTES:

1. THE CONTRACTOR SHALL SECURE AND PAY FOR GOVERNMENT LICENSES, INSPECTIONS, TESTING, TEMPORARY UTILITIES AND PERMITS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS AND/OR REGULATORY BODY HAVING AUTHORITY.

G

- 2. CONTRACTORS SHALL VISIT THE SITE WHILE BIDDING AND SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE PROJECT AND CONSTRUCTION DOCUMENTS PRIOR TO DEVELOPING THEIR BID, FABRICATION / CONSTRUCTION, AND PURCHASING. MATERIAL QUANTITIES SHALL BE BASED ON ACTUAL FIELD CONDITIONS AND MEASUREMENTS. DO NOT RELY ON SCALING DRAWINGS FOR ACCURATE DIMENSIONS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS DISCOVERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTIONS AND/OR REPAIRS REQUIRED FOR FAILING TO DO SO.
- 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL CONSTRUCTION DOCUMENTS TO THEIR SUBCONTRACTORS AS REQUIRED FOR THEM TO DEVELOP A COMPLETE BID FOR THEIR WORK AND TO HAVE A COMPLETE UNDERSTANDING OF COORDINATION NEEDED WITH OTHER SUBCONTRACTORS FOR RELATED HIDDEN OR EXPOSED WORK TO ENSURE EFFICIENT AND ORDERLY INSTALLATION.
- 4. THE ARCHITECT ASSUMES NO LIABILITY FOR THE SERVICES AND/OR CONSTRUCTION DOCUMENTS OF DESIGN SUB-CONSULTANTS COMPILED INTO THE SET OF DOCUMENTS ISSUED BY THE ARCHITECT. THESE DESIGN SERVICES MAY INCLUDE, BUT ARE NOT LIMITED TO, CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, PRE-ENGINEERED METAL BUILDING DESIGN, TILT-UP DESIGN, TRUSS SYSTEM DESIGN, AUTOMATIC FIRE SPRINKLER AND/OR ALARM SYSTEMS, LOW-VOLTAGE ELECTRICAL TELECOMMUNICATION AND SECURITY SYSTEMS AND GUTTER / DOWNSPOUT DESIGN.
- 5. UNLESS SPECIFICALLY NOTED OTHERWISE, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, MACHINERY, SCAFFOLDING, SHORING, TOOLS, LAYOUT, ON-SITE DIMENSIONING, TRANSPORTATION, UTILITIES, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS. THIS SHALL ALSO INCLUDE NECESSARY CUTTING, PATCHING AND REPAIRING OF EXISTING CONSTRUCTION MATERIALS IN PLACE. ALL WORK AND MATERIAL SHALL COMPLY WITH THE APPLICABLE GOVERNING CODES LISTED.
- 6. WHERE DETAILS AND DESIGN INTENT ARE NOT CLEAR, THE CONTRACTOR SHALL CONSULT THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.
- 7. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL MODIFICATIONS, INSTALLATIONS AND ERECTION.
- 8. CONTRACTORS SHALL TAKE CARE TO PROTECT ADJACENT AREAS FROM DUST AND DAMAGE DURING THE CONSTRUCTION PROCESS AND SHALL CLEAN UP AFTER THEMSELVES AT THE END OF EACH WORKING DAY. ANY DAMAGE DONE TO ADJACENT AREAS MUST BE REPAIRED TO MATCH ORIGINAL CONDITIONS OR TO THE OWNER'S SATISFACTION. REPAIRS ARE TO BE PAID FOR BY THE CONTRACTOR RESPONSIBLE.
- 9. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ADDITIONAL WORK OR REVISIONS REQUIRED DUE TO SITE CONDITIONS OR ADDITIONAL REQUIREMENTS OF ANY REGULATORY BODIES HAVING AUTHORITY.
- 10. FOR THE DURATION OF THE PROJECT AND AT ALL TIMES OF EACH DAY, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE CONDITIONS, SECURITY AND SAFETY FOR WORKERS AND THE GENERAL PUBLIC, AS REQUIRED BY THE REGULATORY BODY HAVING AUTHORITY.
- 11. THE GENERAL CONTRACTOR SHALL PURCHASE AND MAINTAIN INSURANCE COVERAGE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER. VERIFY AND COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR ANY ADDITIONAL REQUIREMENTS
- 12. THE OWNER OR THE OWNER'S SUBCONTRACTORS MAY OCCUPY PORTIONS OF THE PROJECT DURING THE FINAL STAGE OF CONSTRUCTION. COORDINATE AND COOPERATE WITH THE OWNER TO MINIMIZE CONFLICT AND FACILITATE THE OWNER'S OPERATION.
- 13. THE CONTRACTOR SHALL PROVIDE SECURITY OF THE WORK, INCLUDING TOOLS AND UNINSTALLED MATERIALS. PROTECT THE WORK, STORED PRODUCTS, CONSTRUCTION EQUIPMENT, AND OWNER'S PROPERTY FROM THEFT AND VANDALISM, AND PROTECT THE PREMISES FROM ENTRY BY UNAUTHORIZED PERSONNEL UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 14. CONTRACTOR SHALL COORDINATE STAGING AREAS AS REQUIRED BY THE LANDLORD / OWNER.

•

Н

- 15. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES. 16. THE STRUCTURAL ENGINEER AND ARCHITECT MUST BE NOTIFIED AND MUST GIVE APPROVAL PRIOR TO ANY STRUCTURAL MEMBER(S) BEING CUT OR MODIFIED TO ACCOMMODATE THE INSTALLATION OF ANY PIPES, DUCTS OR OTHER CONSTRUCTION.
- 17. THE STRUCTURAL ENGINEER AND ARCHITECT MUST BE NOTIFIED AND MUST GIVE APPROVAL PRIOR TO ANY MODIFICATION TO THE ROOF SYSTEM OR ADDING ANY ADDITIONAL ROOF-MOUNTED EQUIPMENT.

G

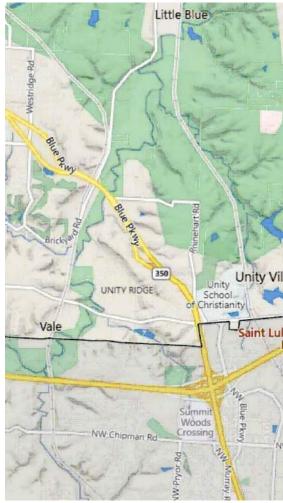
•

CONSTRUCTION NOTES:

- 1. PERFORM ALL WORK IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICE TO ENSURE THE HIGHEST QUALITY FINISHED PRODUCT - EXPRESSED OR IMPLIED. PERFORM ALL WORK BY SKILLED MECHANICS IN ACCORDANCE WITH

- APPLY TO ALL WORK
 - INTENDED.
 - BLEMISHES.
- ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.

DISCLAIMER:



С

•

•



SHEET INDEX

GENERAL: G-100 COVER SHEET

••••	
C100	CIVIL PLANS COVER SHEET
C200	FINAL DEVELOPMENT PLAN
C201	SITE LANDSCAPING PLAN
C210	SITE DETAILS
C300	SITE GRADING PLAN
C301	SITE ESC PHASE 1 AND 2 PLAN
C302	SITE ESC DETAILS
C400	PUBLIC STORM IMPROVEMENT PLAN
C401	SITE STORM DRAINAGE PLAN AND CALCULATIONS
C102	STODM LINES 1 8 2

- C402 STORM LINES 1 & 2 STORM LINE DETAILS C403
- C700 SITE UTILITY PLAN

С

ARCHITECTURAL A-001 LIFE SAFETY PLAN AND CODE INFORMATION A-002 DOOR, WINDOW, & FINISH SCHEDULES AND TYP. DETAILS A-100 OVERALL MAIN LEVEL PLAN, ENCLOSURE DETAILS A-110 ENLARGED MAIN LEVEL PLAN - SOUTH, PARTITION TYPES A-111 ENLARGED MAIN LEVEL PLAN - NORTH, PARTITION TYPES A-200 EXTERIOR ELEVATIONS A-300 WALL SECTIONS AND PLAN DETAIL A-410 CEILING PLAN - SOUTH A-411 CEILING PLAN - NORTH, ROOF ACCESS

ESTABLISHED STANDARDS OF WORKMANSHIP IN EACH OF THE VARIOUS TRADES.

2. WHEN THE PROJECT REQUIREMENTS REQUIRE THAT THE INSTALLATION OF WORK SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS, PERFORM THE WORK IN STRICT ACCORDANCE WITH THE MOST CURRENT WRITTEN MANUFACTURER'S INSTRUCTIONS.

3. ALL PRODUCTS AND EQUIPMENT SHALL BE DELIVERED IN UNDAMAGED CONDITION AND STORED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO AVOID DISRUPTION OF THE WORK OR DAMAGE TO THE ITEMS. REPLACE DAMAGED OR UNFIT MATERIALS, AT NO COST TO THE OWNER.

4. COORDINATE BLOCKING REQUIREMENTS WITH ADJACENT OR RELATED TRADES, ACCESSORIES, EQUIPMENT AND FIXTURES. INSTALL REQUIRED BLOCKING AT NO ADDITIONAL COST TO THE CONTRACT.

5. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER. EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF. 6. REPAIR PROPERTY DAMAGE BY THE INSTALLERS TO A LIKE NEW CONDITION, OR REPLACE DAMAGED SURFACES

AND MATERIALS OF THE PREVIOUSLY INSTALLED WORK BY OTHER TRADES, INSTALLERS, AND SUBCONTRACTORS. 7. ALLOWABLE TOLERANCES - UNLESS OTHERWISE NOTED OR INDICATED, THE FOLLOWING TOLERANCES SHALL

g. ALL VERTICAL SURFACES SHALL BE PLUMB OR CONSTRUCTED TO THE EXACT SLOPES OR ANGLES INDICATED. h. ALL HORIZONTAL SURFACES SHALL BE LEVEL OR CONSTRUCTED TO THE EXACT ANGLE INDICATED OR

i. WALL AND SOFFIT INTERSECTIONS SHALL BE 90° OR THE EXACT ANGLE INDICATED OR INTENDED. j. ALL CORNERS AND EDGES SHALL BE STRAIGHT AND TRUE WITHOUT DENTS, WAVES, BULGES OR OTHER k. ALL JOINTS SHALL BE TIGHT, STRAIGHT, EVEN, AND SMOOTH.

I. ALL OPERABLE ITEMS SHALL OPERATE SMOOTHLY WITHOUT STICKING OR BINDING AND WITHOUT EXCESSIVE 8. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE WORK IS SUBSTANTIALLY COMPLETE AND READY FOR INSPECTION. UPON INSPECTION, PROVIDE WRITTEN OPERATION AND MAINTENANCE INSTRUCTIONS AND GUARANTEES FOR ALL EQUIPMENT AND MATERIALS INSTALLED. PROVIDE WRITTEN GUARANTEES FOR A PERIOD OF

•

THESE DRAWINGS ARE CONSIDERED A "BUILDER'S SET", AND BY BEGINNING CONSTRUCTION, THE CONTRACTOR GUARANTEES TO THE ARCHITECT, THAT THE CONTRACTOR HAS THE COMPETENCE AND SKILL IN CONSTRUCTION NECESSARY TO BUILD THE PROJECT WITH THESE DRAWINGS. THE CONTRACTOR WILL BE REQUIRED TO ADAPT THE DRAWINGS TO ACTUAL FIELD CONDITIONS AND MAKE LOGICAL ADJUSTMENTS IN FIT, FORM, DIMENSION AND QUANTITY. IN THE EVENT ADDITIONAL DETAIL OR GUIDANCE IS NEEDED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT. FAILURE TO GIVE NOTICE SHALL RELIEVE THE ARCHITECT OF RESPONSIBILITY FOR ANY RESULTANT EXPENSES, REPAIRS OR ADDITIONAL WORK. IT IS UNDERSTOOD AND AGREED THAT IF THE ARCHITECT IS NOT HIRED TO DO CONSTRUCTION OBSERVATION OR ANY OTHER CONSTRUCTION PHASE SERVICES, THAT THE ARCHITECT IS NOT LIABLE FOR ANY CLAIMS THAT MAY BE IN ANY WAY CONNECTED THERETO.

Ε

•

D

•

PRCOM20224906

Architect

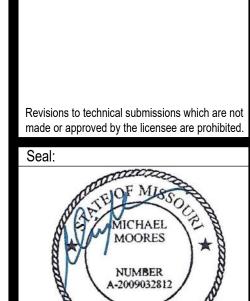
IIDWEST ARCHITECTS 120 NW Eagle Ridge Blvd Grain Valley, Missouri 64029 : (816) 229-8115

Client[.]

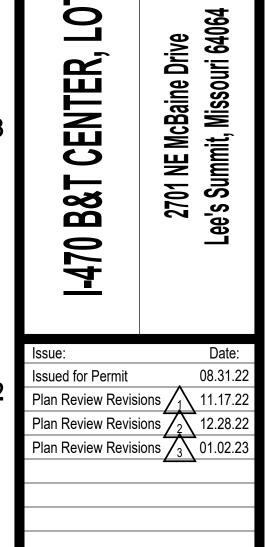
Nard Development 120 NW Eagle Ridge Blvd. Grain Valley, Missouri 64029 t: (816) 229-8115

Consultants:

- Civil Engineering Quist Engineering, Inc 821 NE Columbus St. Lee's Summit, Missouri 6406 t: (816) 550-5675
- Structural Engineerir Structura Logica 18901 E. 299th Street Harrisonville, MO 64701 : (816) 872-4883
- MEP Engineering JSC Engineers 1925 Central Street, Suite 201 Kansas City, MO 64108 t: (816) 272-5289



RCHITE lichael Moores. MO Architect #2009032812 Project Number: Project Type: NEW CONSTRUCTION Project Name and Address:



Sheet Title:

COVER SHEE

AUGUST 31, 2022

STRUCTURAL NOTES AND DETAILS S1.0 FOUNDATION PLAN

MECHANICAL / PLUMBING: MP-001 MECHANICAL AND PLUMBING SPECIFICATIONS AND SYMBOLS

MP-002 MECHANICAL AND PLUMBING SCHEDULES AND DETAILS

PROJECT LOCATION

MECHANICAL: M-101 MECHANICAL PLAN

- E-001 ELECTRICAL SPECIFICATIONS AND SYMBOLS E-002 PHOTOMETRIC PLAN
- E-003 PHOTOMETRIC PLAN E-101 ELECTRICAL PLAN
- - E-201 ELECTRICAL EQUIPMENT POWER PLAN E-301 ELECTRICAL SCHEDULES AND DIAGRAMS
 - E-302 ELECTRICAL SCHEDULES

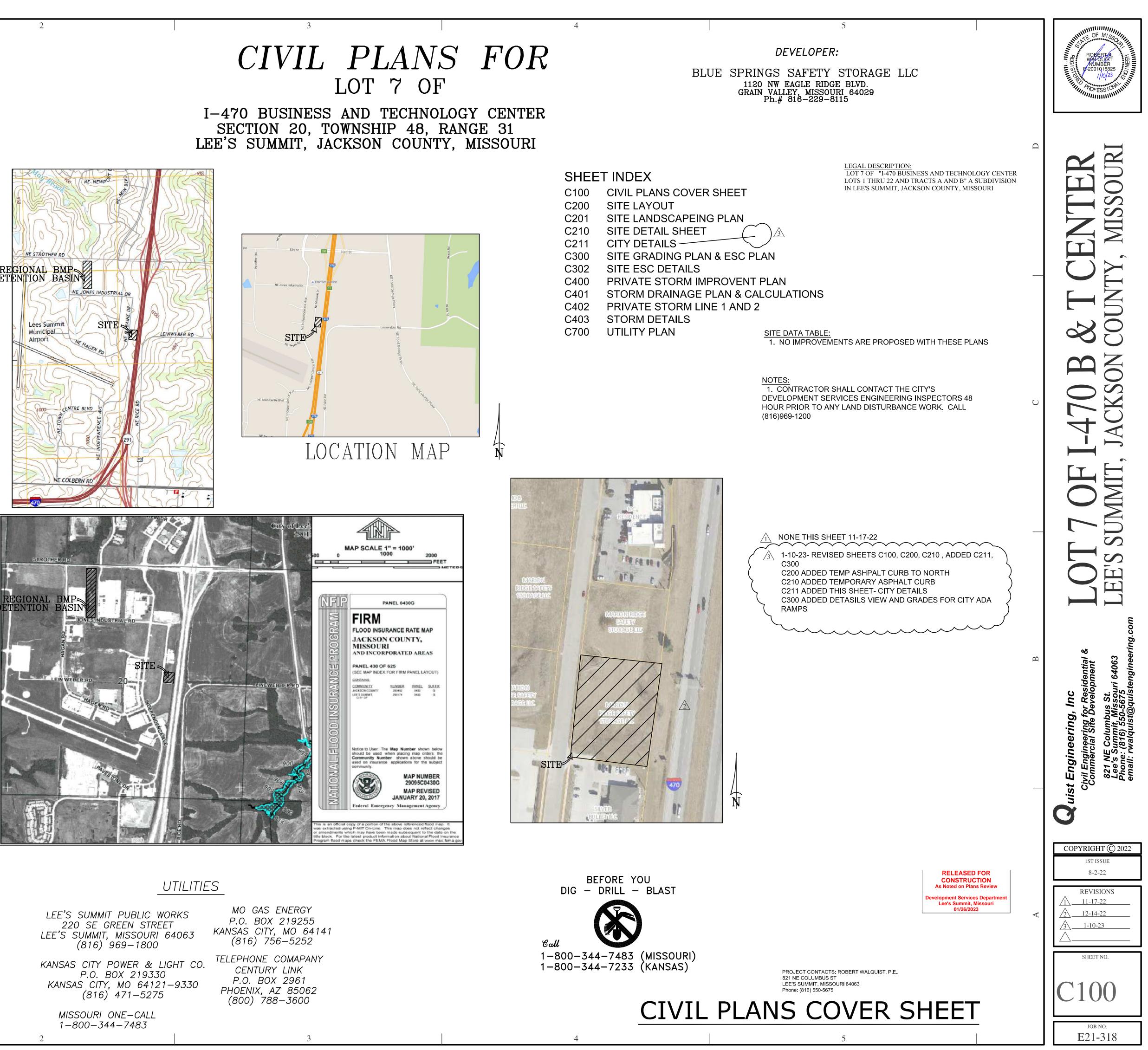
RELEASED FOR CONSTRUCTION As Noted on Plans Review opment Services Departn Lee's Summit, Missouri 01/26/2023

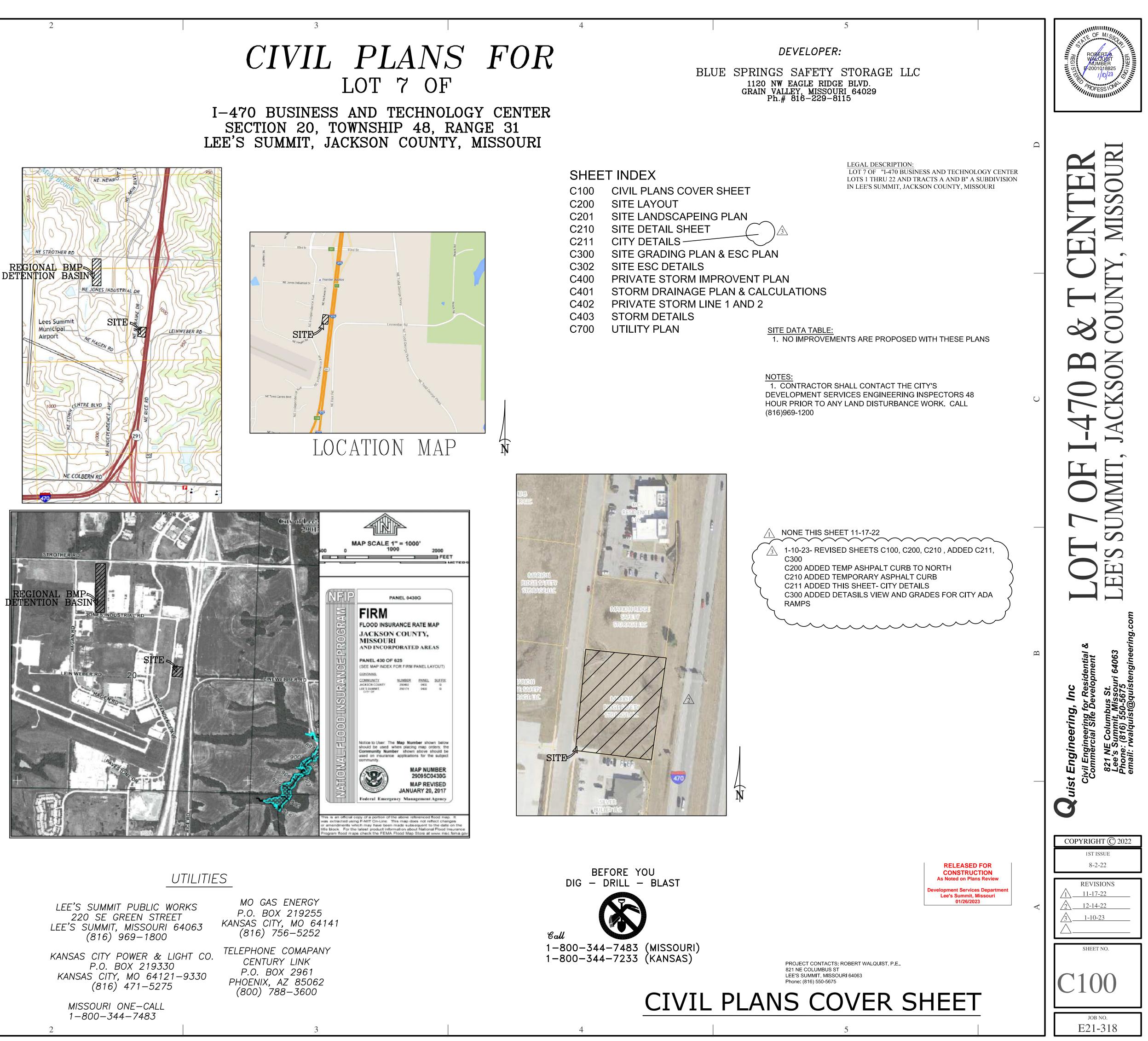
<u>GENERAL</u>

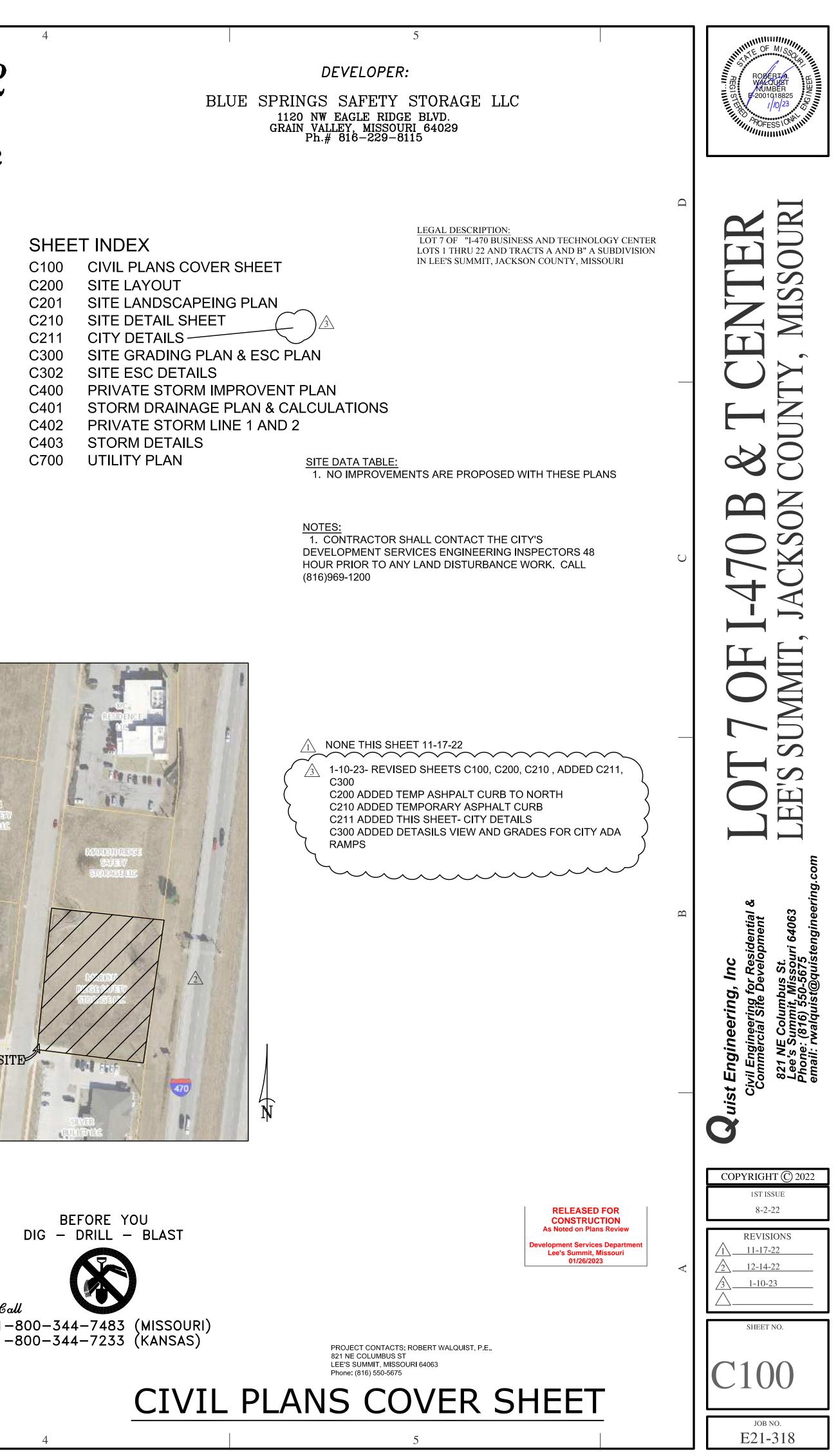
- 1. Lineal foot measurements shown on the plans are horizontal measurements, not slope measurements. All payments shall be made on horizontal measurements.
- 2. No geological information is shown on these plans.
- 3. The utility locations shown on these plans are taken from utility company records and are approximate only. They do not constitute actual field locations. The contractor shall verify the location and depth of all utilities prior to construction.
- 4. The contractor shall adhere to the provisions of the Senate Bill Number 583,78th General Assembly of the State of Missouri. The bill requires that any person of firm doing excavation on public right-of-way do so only after giving notice to, and obtaining information from, utility companies. State law requires 48 hours advance notice. The names and telephone numbers of utility companies, even if only remotely involved with this project are provided. Prior to commencement of work, the contractor shall notify all those companies which have facilities in the near vicinity of the construction to be performed.
- 5. All waste material resulting from the project shall be disposed of off-site by the contractor.
- 6. All excavation shall be unclassified. No separate payment will be made for rock excavation.
- 7. The contractor shall control the erosion and siltation during all phases construction, and he shall keep the streets clean of mud and debris.
- 8. All manholes, catch basins, utility valves and meter pits to be adjusted or rebuilt to grade as required. All existing utilities shall be adjusted as required.
- 9. Subgrade soil for all concrete structures, regardless of the type or location, shall be firm, dense and thoroughly compacted and consolidated: shall be free from muck and mud; and shall be sufficiently stable to remain firm and intact under the feet of the
- 10. workmen or machinery engaged in subgrade surfacing, laying reinforcing steel, and depositing concrete thereon. In all cases where subsoil is mucky or works into mud or muck during such operation, a seal course of either concrete or rock shall be placed below subgrade to provide a firm base for working and for placing the floor slab.
- 11. The contractor is responsible for providing all surveying that may be required.
- 12. Easements indicated on these drawings will be provided for on the final plat and properly dimensions. Easements outside the platted area will be provided for by separate documents prior to issuance of a construction permit.
- STREETS & STORM SEWER

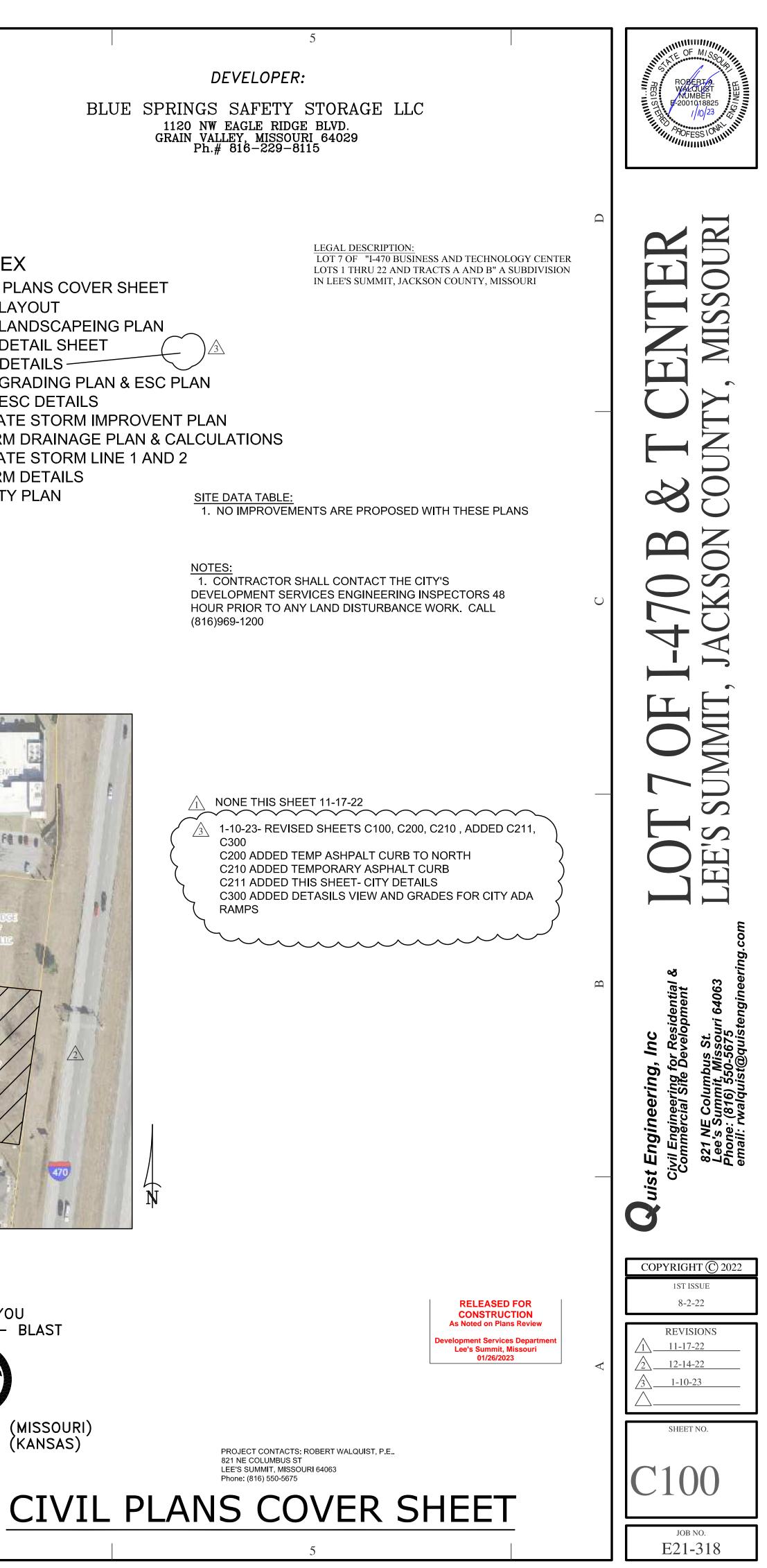
 \mathbf{O}

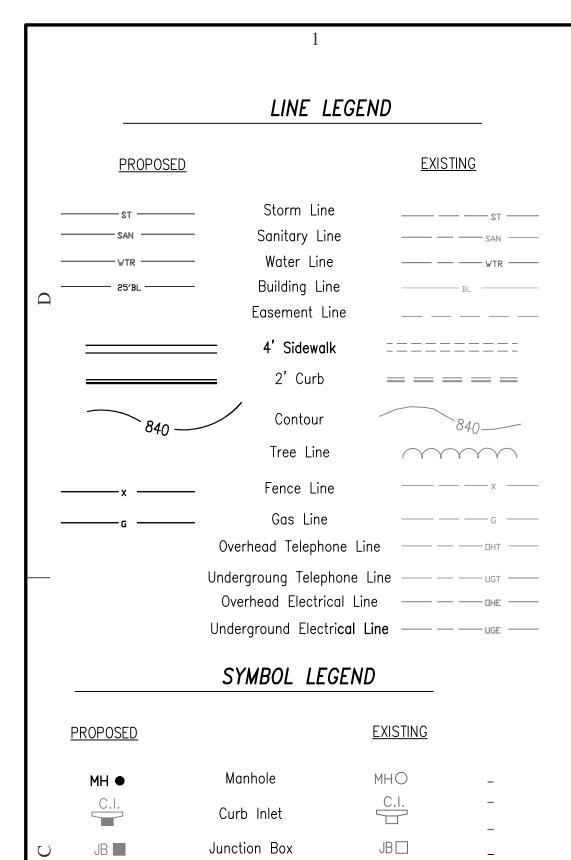
1. All construction shall follow the City of Lee's Summit Design and Construction Manual as adopted by Ordinace 5813.











Field Inlet

Flared End Section

Fire Hydrant

Blow Off

Water Valve

Water Meter

Straddle

Utility Pole

Guy Wire

Electric Transformer

FI

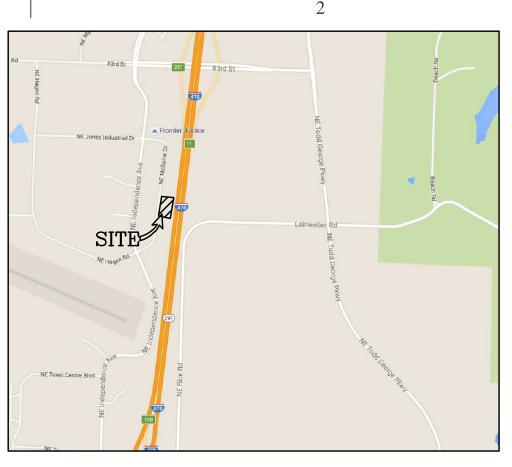
FES 🔺

FH 👄

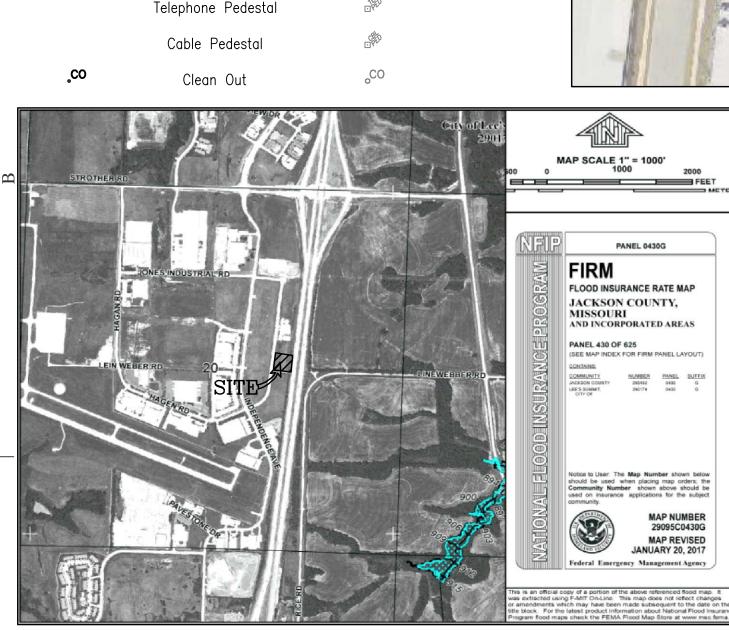
B0 🗪

WV●

WMO



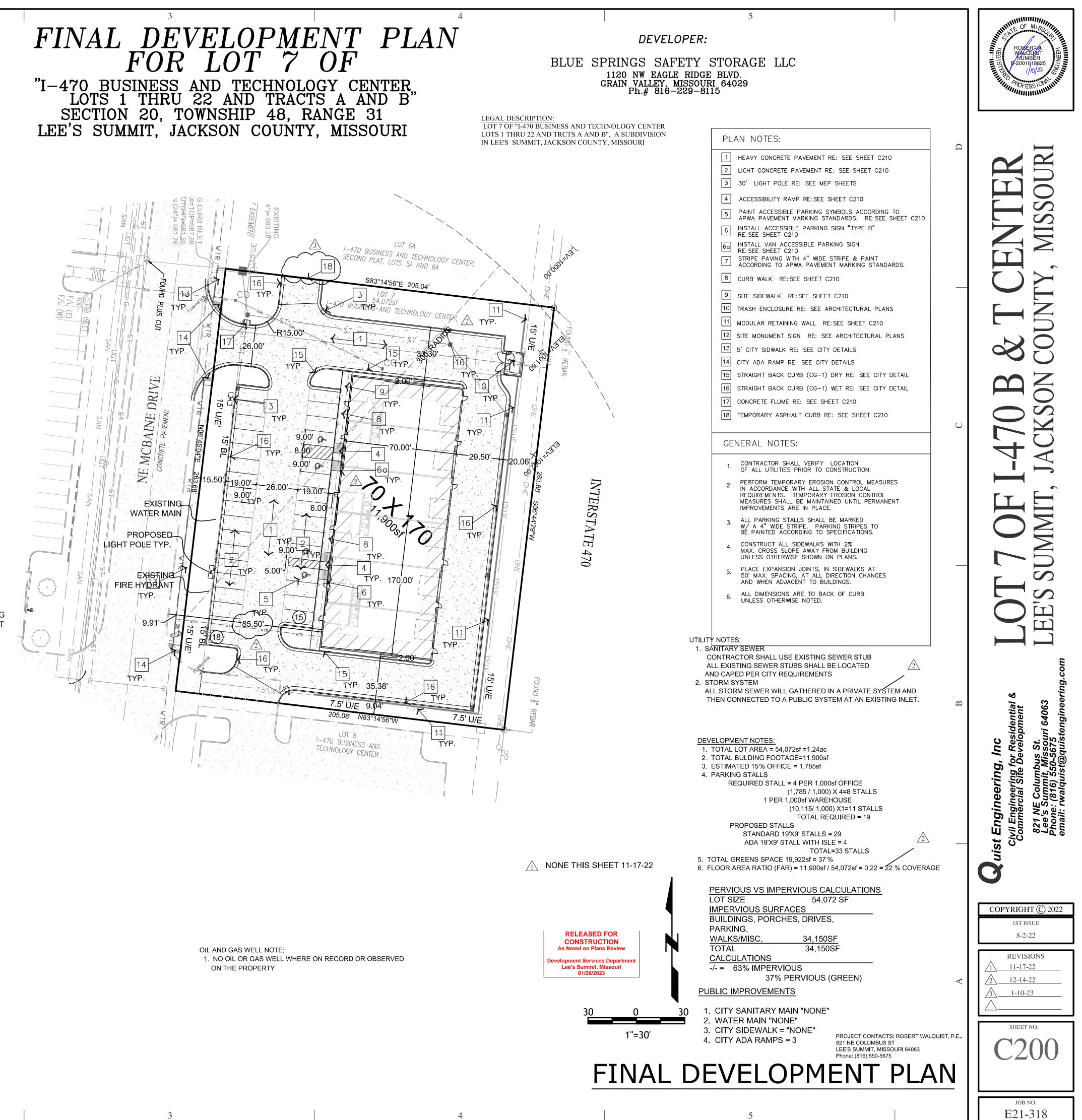




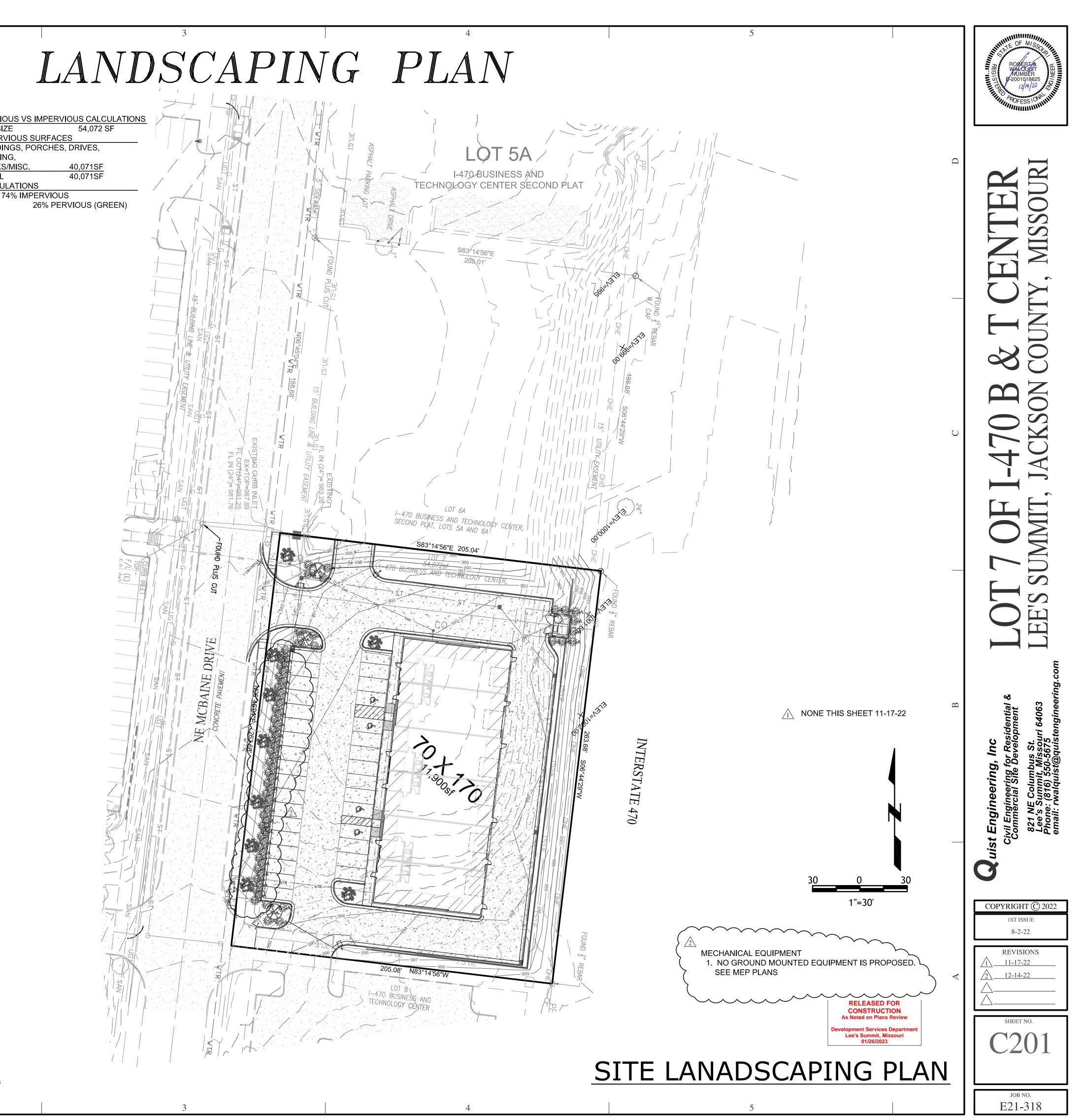
FI 🗖

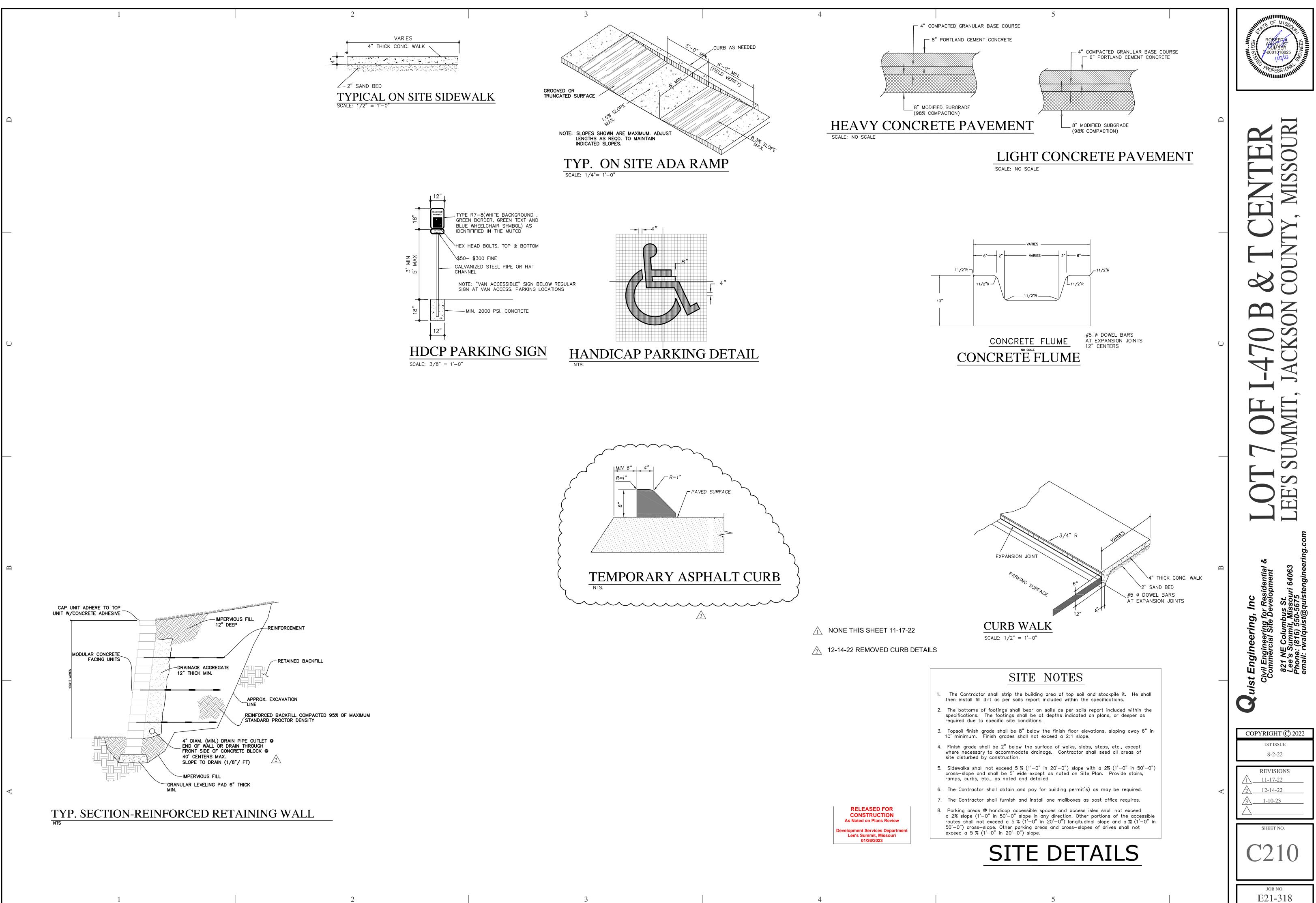
 \bigcirc

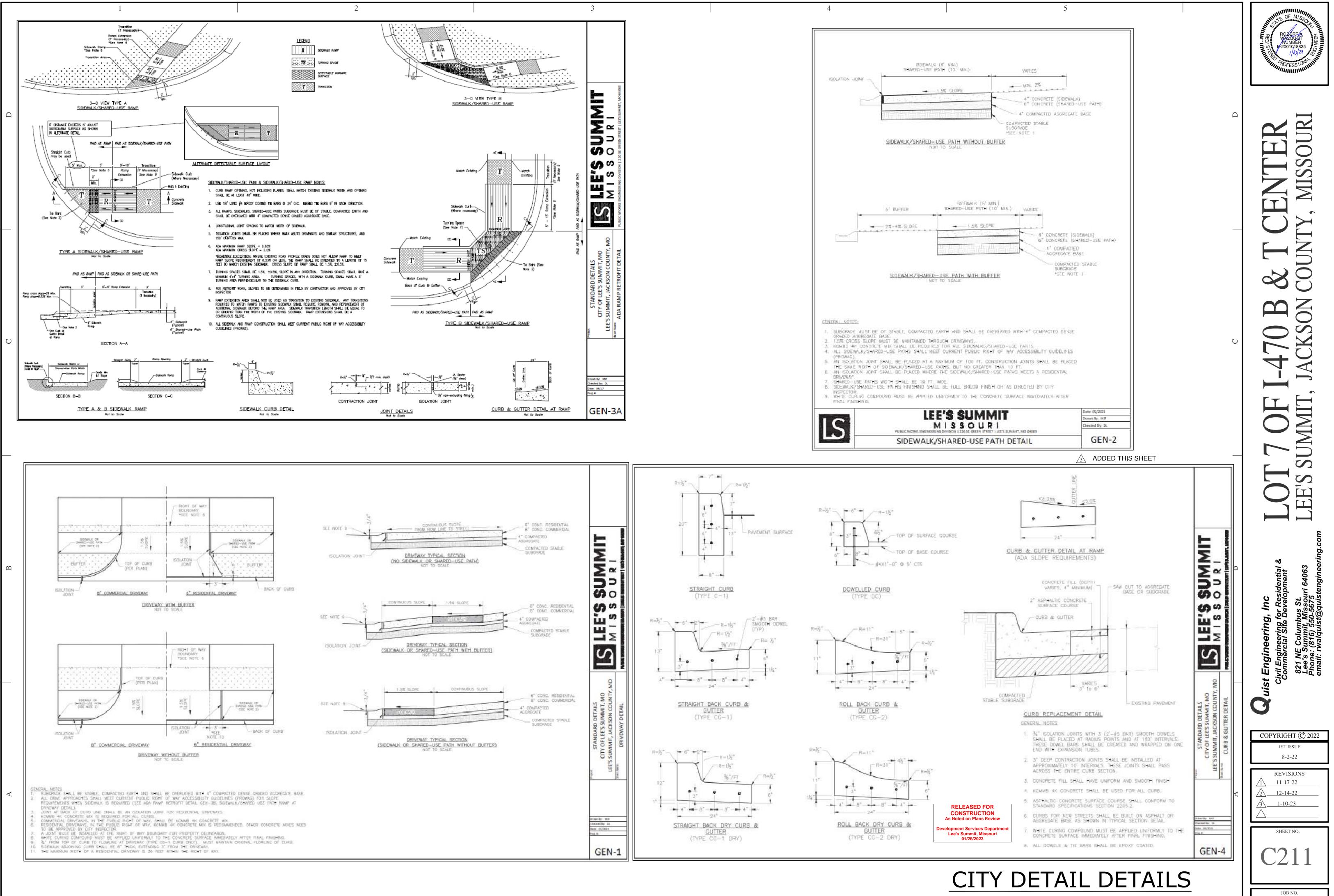
FES∆



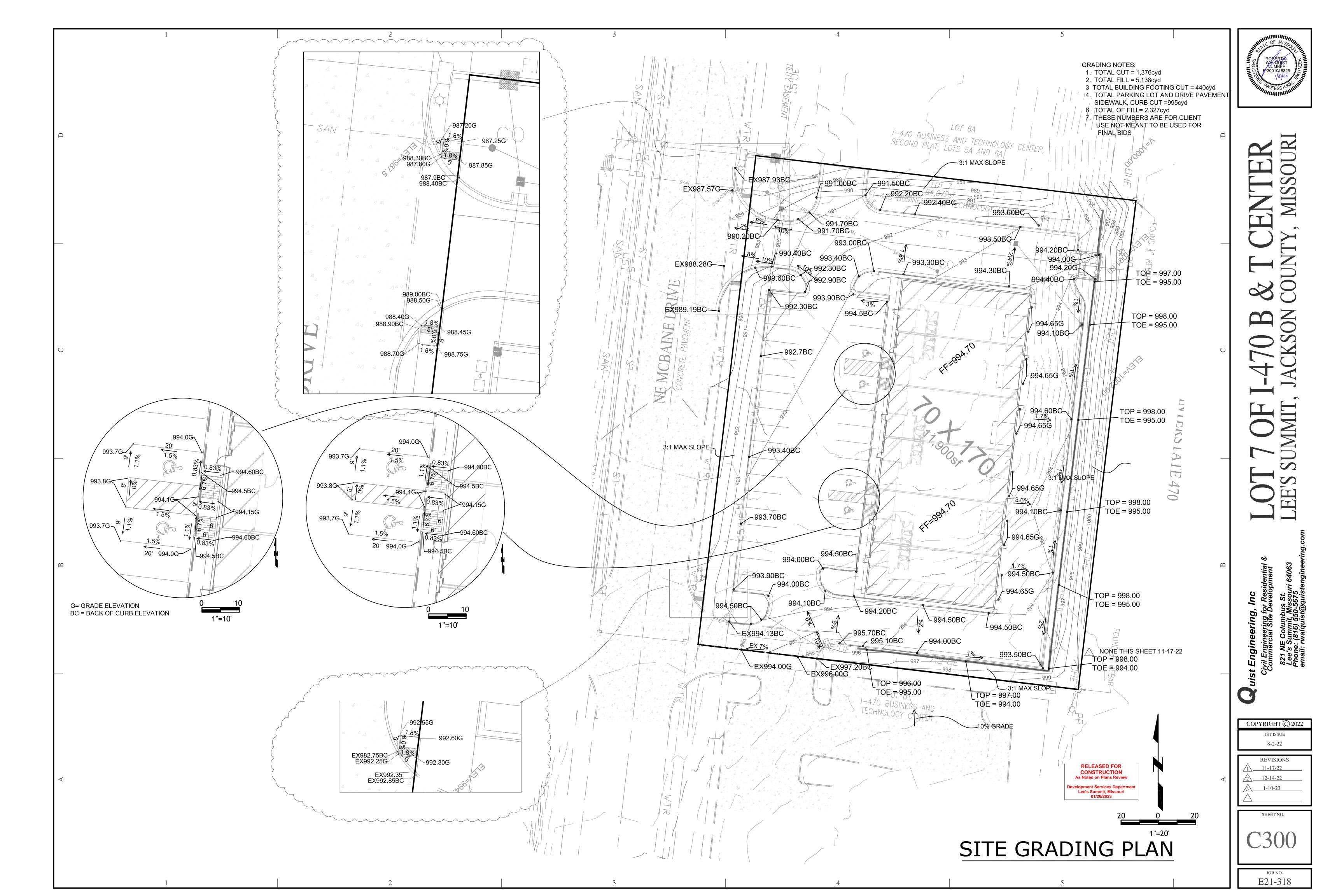
		1	i i i i i i i i i i i i i i i i i i i	2	
	Section 1	l 1 070 Installation of plant	materiale	2	
	Plant mate specified o	n the approved landscaping a twelve (12)-month period	materials provisions of this Article, shall be insigned buffer plan. The Director may allo of in which the installation of plant	ow one (1) plant	ing
	Buffers, if where the	required, shall be installed b	efore a certificate of occupancy permit planting and <mark>es</mark> crow provisions are ma		
D	Section 1	4.080. Maintenance of req	uired plant materials		
	28 - 102102-1-1-1-1	and the second	, if any, shall be jointly responsible for t	he maintenance	
		dscaping, buffer or tree repl	als used to meet the minimum requirem lanting. The plant materials shall be ke		cie
	with a	plant of a species or variety	ing condition or are dead shall be reme as determined by the Director.		
		and debris.	be maintained in proper repair and sha	all de kept clear	of
	A. TREE B. BUFF C. STRE 1. 2. D. OPEN 1.	PROTECTION: THIS SITE HAS ERS: WE HAVE SHOWN A 15' L/ ET TREES & SHRUBS: THIS SIT REQUIRED TREES 264 / 30 =9 REQUIED SHRUBS 264 / 20 = 13 YARD AREA: (TOTAL REMAINI	ANDSCAPING BUFFER ON CITY STREET FR TE HAS A TOTAL OF 264 L.F. OF CITY ROW I B NG YARD AFTER FULL DEVLOPMENT =14,00 REA = 54,072sf) 10sf OF REMAINING YARD = 3	ONTAGE. FRONTAGE	
	TOTAL L	ANDSCAPING REQUIRED			
C		TREES =12 SHRUBS = 19			
-		OSED TREES & SHRUBS:			
	1	. TREES ALONG THE ROW McE (ORNAMENTAL TREE	ES) =7		
		тс	EES =3 DTAL=10		
			THE PARKING SCREENING REQUIREMENTS	6"	
	4	 OTHER PROPOSED TREES = OTHER PROPOSED ORNAME 	ENTAL TREES =2		
		5. OTHER PROPOSED SHRUBS TION 8. PARKING LOT SCREEN			
		O TO THE GRADES OF THIS SIT SCREENING	TE WE INTEND TO USE PLANITNG ONLY AS	OUT	
	1.	REQUIRED 12 18" TALL SHRUB ENTRANCES AND SIGHT TRIAN	S PER 40' OF PARKING AREA LEES DRIVE IGLES.		
	TOTAL LAN	DSCAPING REQUIRED			
		 PARKING LOT ALONG I REQUIERED SHRUBS = 			
		ED SHRUBS:			
		SHRUBS ALONG THE ROW McB TOTAL SHRUBS =49			
	- L	TOTAL TREES = 12			
m PLA	یک ANTING SCHEDUL	TOTAL SHRUBS = 56			
S-A		COMMON NAME STATE STREET MAPLE	SCIENTIFIC NAME	CALIPER TOT 3" CAL.	
S-B	(Star)	PACIFIC SUNSET MAPLE	ACER TRUNCATUM 'PACIFICSUNSET'	3" CAL.	3 0
S-C		AUTUMN BLAZE MAPLE	ACER X 'AUTUMN BLAZE'	3" CAL.	0
S-D	TAK	SHAWNEE BRAVE BALD CYPRE	SS TAXODIUM DISTICHUM 'SHAWNEE BRAVE	3" CAL.	0
S-E	Yay .	VALLEY FORGE ELM	ULMUS AMERICANA 'VALLEY FORGE'	3" CAL.	0
	-				
S-F	+u_a.	SWAMP WHITE OAK	QUERCUS BICOLOR	3" CAL.	0
	NAMENTAL TREE		QUERCUS BICOLOR	3" CAL.	0 TOTAL PROPOSED =3
				3" CAL. 3" CAL.	U U
0 <u>R</u>	A part	<u>S</u>			TOTAL PROPOSED =3
0 <u>R</u> — 0-A	A particular	S ROYAL RAINDROPS CRABAPPL	E MALUS 'ROYAL RAINDROPS'	3" CAL.	TOTAL PROPOSED =3
0 <u>R</u> — 0-A 0-E		S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS'	3" CAL. 3" CAL.	TOTAL PROPOSED =3 0 9
0 <u>R</u> — 0-A 0-E 0-C		S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK'	3" CAL. 3" CAL. 3" CAL.	TOTAL PROPOSED =3 0 9 0
0 <u>R</u> — 0-A 0-E 0-C		S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS	3" CAL. 3" CAL. 3" CAL. 3" CAL.	TOTAL PROPOSED =3 0 9 0 0 0
O <u>R</u> — 0-A 0-E 0-C 0-E 0-F		S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD SPRING FLURRY SERVICEEBER	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS CORNUS CONTROVERSA 'JUNE SNOW'	3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL.	TOTAL PROPOSED =3 0 9 0 0 0 0 0 0 0 0 0 0 0 0
O <u>R</u> O-A O-E O-C O-E O-F	A PA B C QA E PA E PA ERGREEN TREES	S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD SPRING FLURRY SERVICEEBER	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS CORNUS CONTROVERSA 'JUNE SNOW' RRY AMELNCHIER LAEVIS 'SPRING FLURRY'	3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL.	TOTAL PROPOSED =3 0 9 0 0 0 0 TOTAL PROPOSED = 9
O <u>R</u> O-A O-E O-C O-E O-F O-F E-A	A RANGER TREES	S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD SPRING FLURRY SERVICEEBER	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS CORNUS CONTROVERSA 'JUNE SNOW' RRY AMELNCHIER LAEVIS 'SPRING FLURRY'	3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL.	TOTAL PROPOSED =3 0 9 0 0 0 0 0 TOTAL PROPOSED = 9
O <u>R</u> 0-A 0-E 0-C 0-E 0-F 0-F E-A E-B	A A B C Q D E ERGREEN TREES	S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD SPRING FLURRY SERVICEEBER	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS CORNUS CONTROVERSA 'JUNE SNOW' RRY AMELNCHIER LAEVIS 'SPRING FLURRY'	3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 8' HT.	TOTAL PROPOSED =3 0 9 0 0 0 0 TOTAL PROPOSED = 9 9 0
O <u>R</u> O-A O-E O-C O-E O-F O-F E-A	A PA B C QA D QA E PA E PA ERGREEN TREES	S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD SPRING FLURRY SERVICEEBER	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS CORNUS CONTROVERSA 'JUNE SNOW' RRY AMELNCHIER LAEVIS 'SPRING FLURRY'	3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL.	TOTAL PROPOSED =3 0 9 0 0 0 0 0 TOTAL PROPOSED = 9
O <u>R</u> O-A O-E O-C O-E O-F O-F E-A E-B E-C	A A B C Q D E ERGREEN TREES	S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD SPRING FLURRY SERVICEEBER	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS CORNUS CONTROVERSA 'JUNE SNOW' RRY AMELNCHIER LAEVIS 'SPRING FLURRY'	3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 8' HT.	TOTAL PROPOSED =3 0 9 0 0 0 0 TOTAL PROPOSED = 9 9 0
O <u>R</u> O-A O-E O-C O-C O-E O-F E-A E-B E-C	A A B C A D A E E RGREEN TREES A A B C A B C A C A C C C C C C C C C C C C C C C C	S ROYAL RAINDROPS CRABAPPL HOT WINGS MAPLE IVORY SILK TREE LILAC REDBUD JUNE SNOW DOGWOOD SPRING FLURRY SERVICEEBER	E MALUS 'ROYAL RAINDROPS' ACER TATARICUM 'HOT WINGS' SYRINGA RETICULATA 'IVORY SILK' CERCIS CANADENSIS CORNUS CONTROVERSA 'JUNE SNOW' RRY AMELNCHIER LAEVIS 'SPRING FLURRY'	3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 3" CAL. 8' HT.	TOTAL PROPOSED =3 0 9 0 0 0 0 TOTAL PROPOSED = 9 9 0

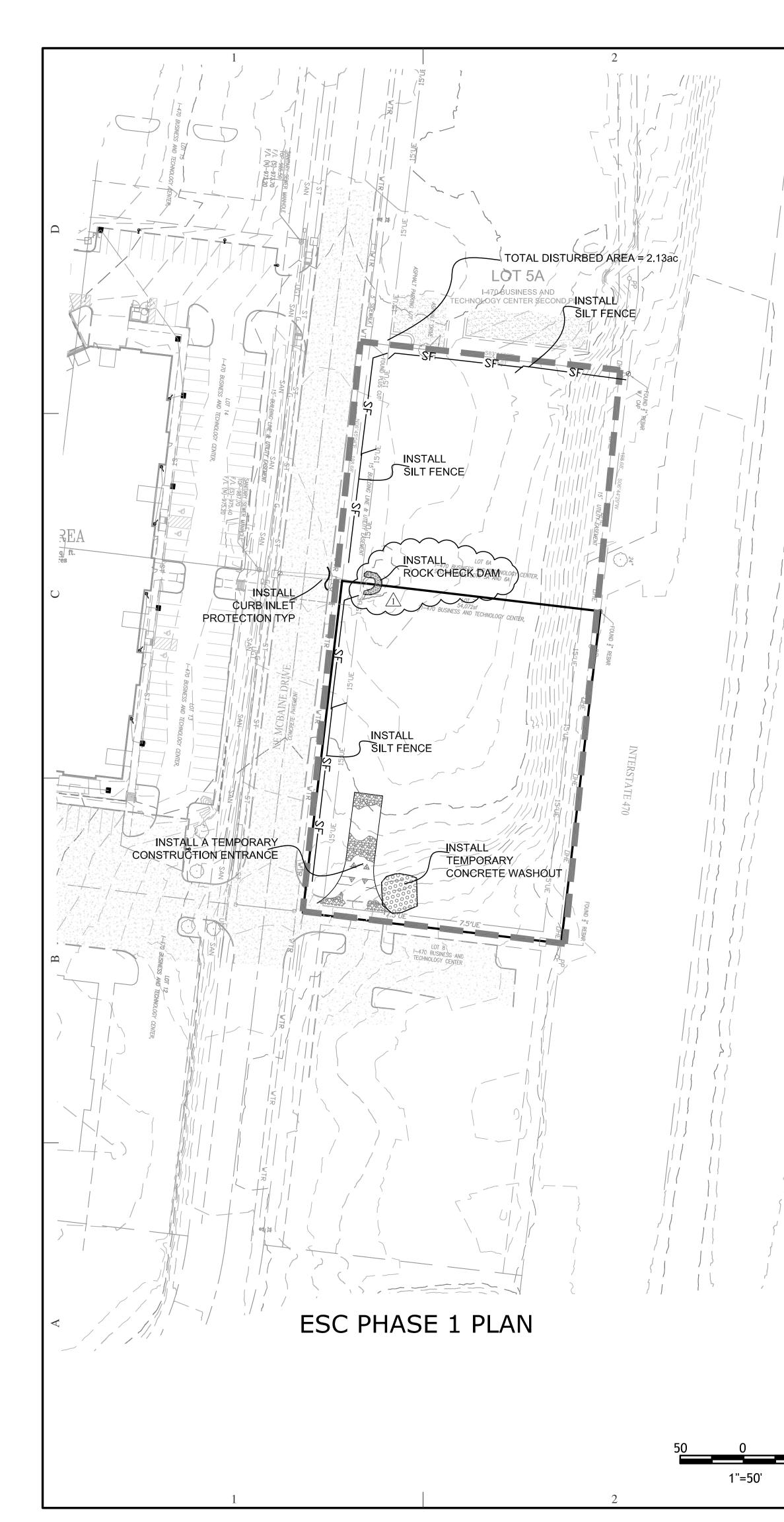


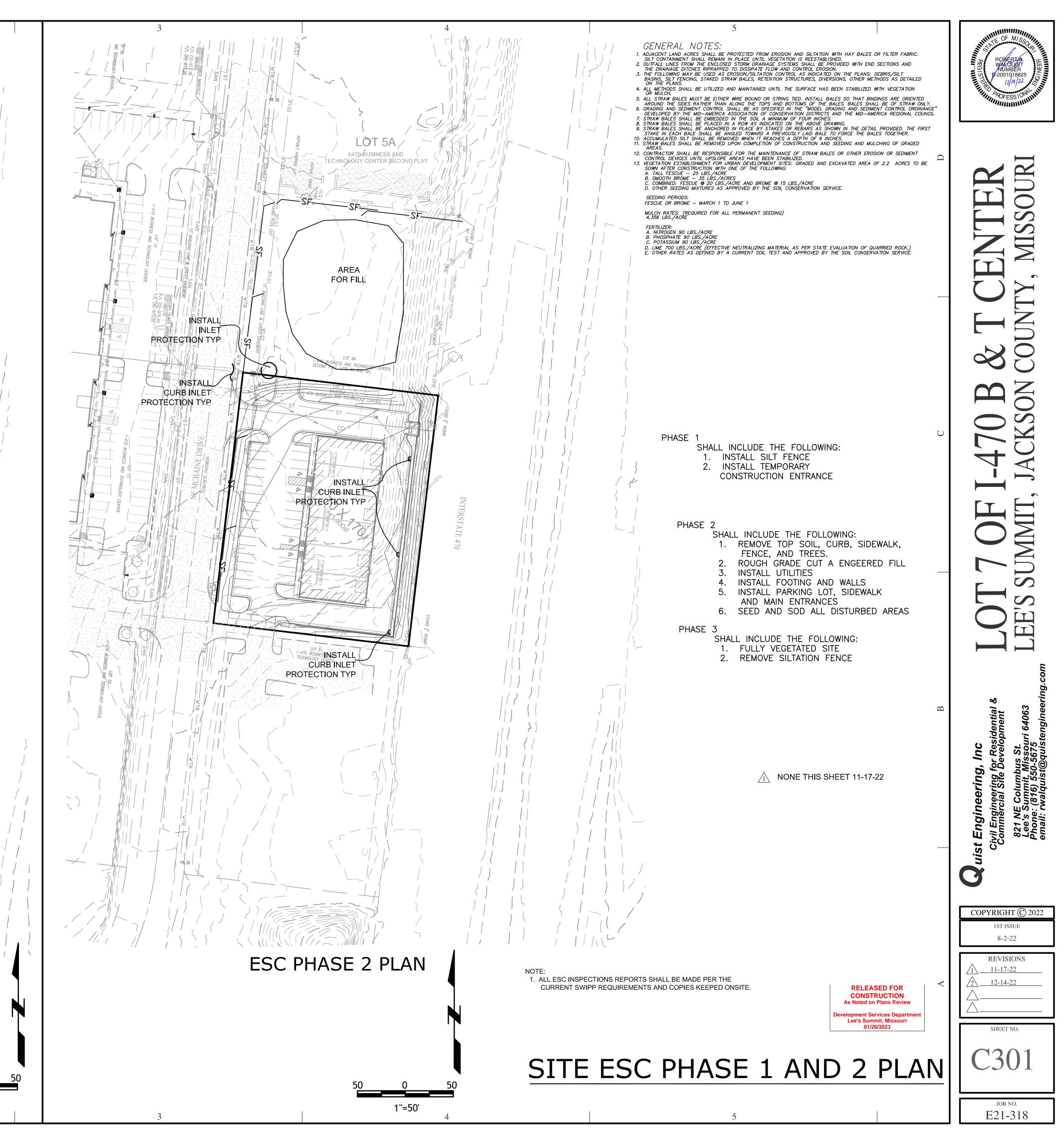


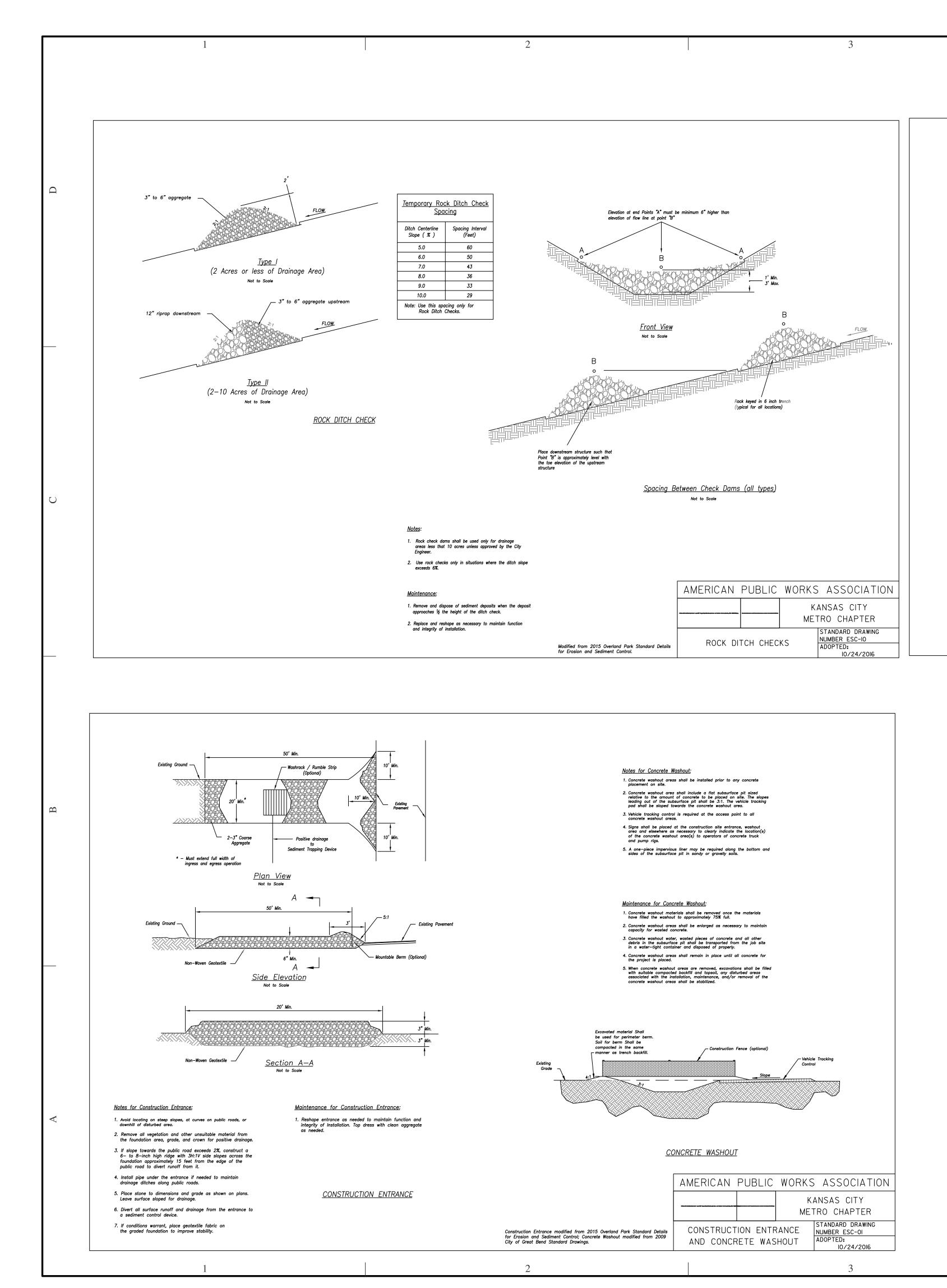


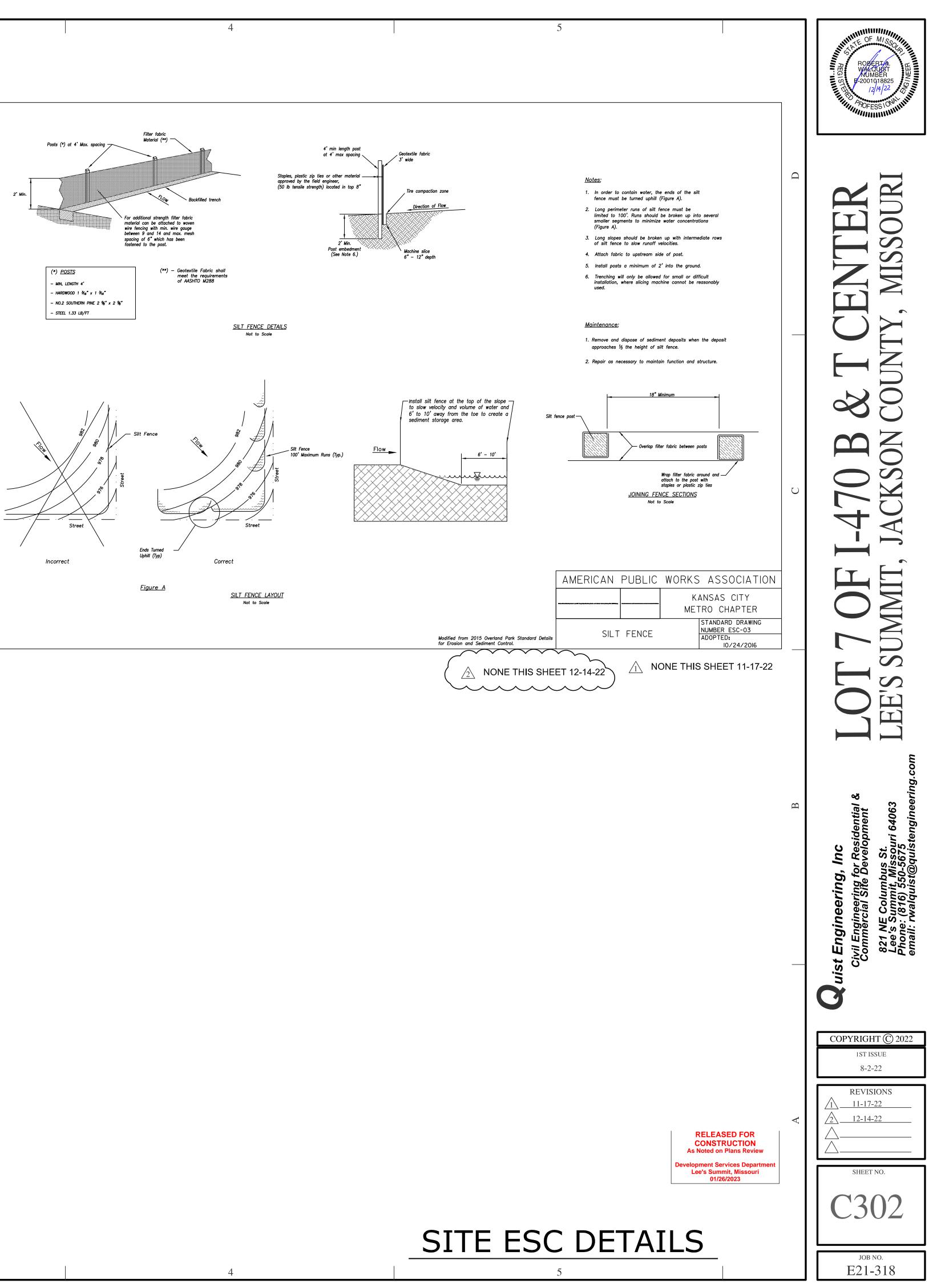
E21-318

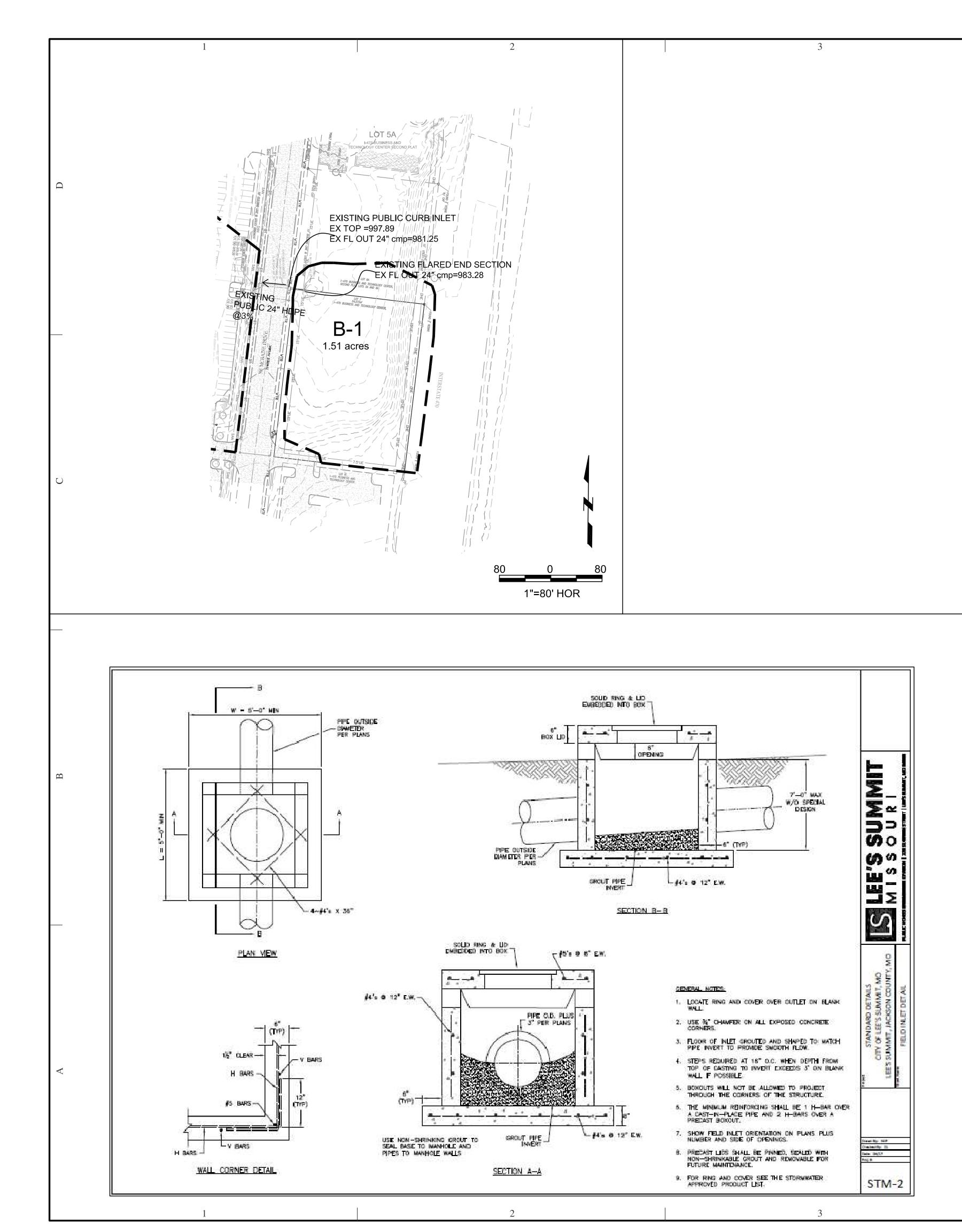


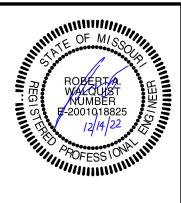


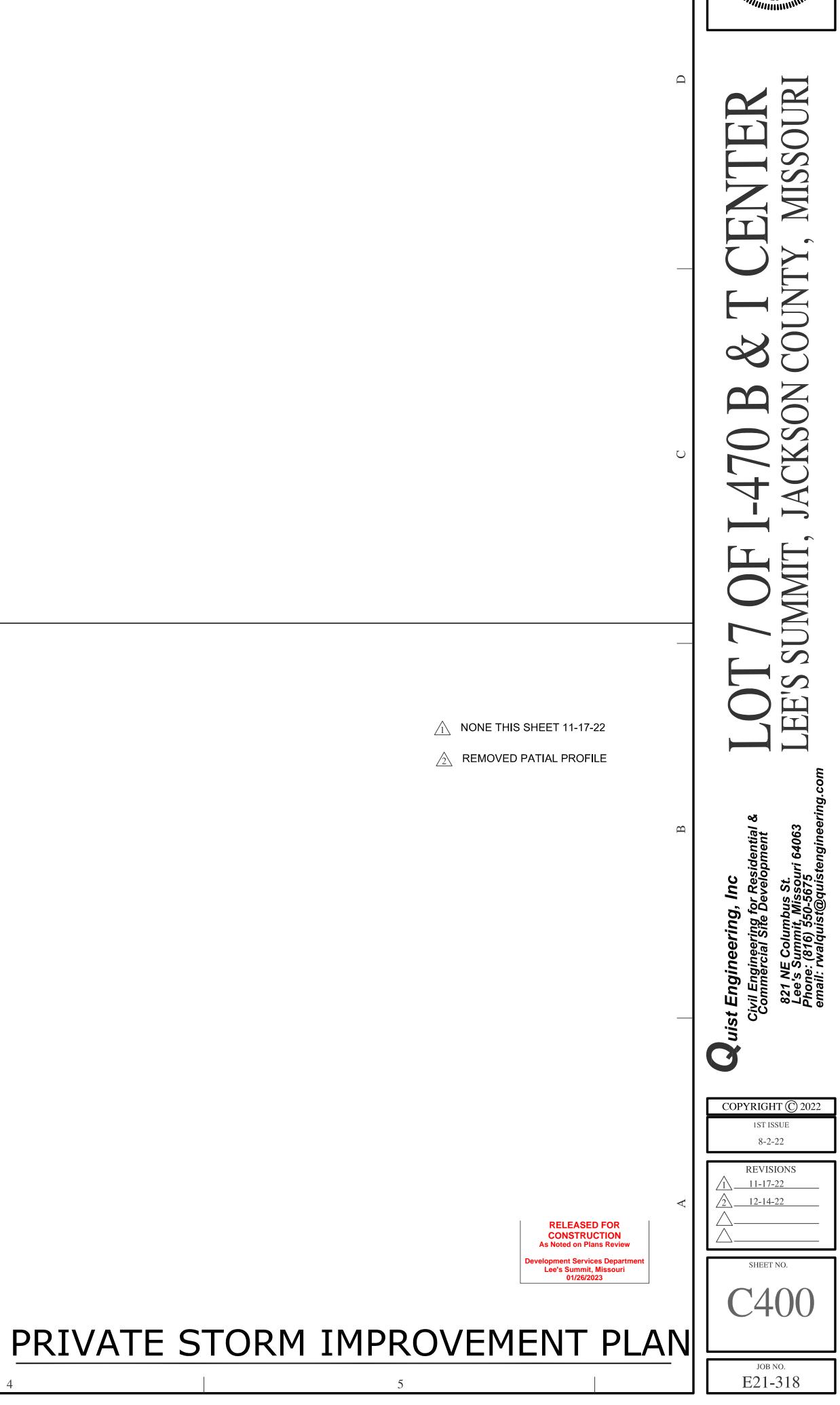








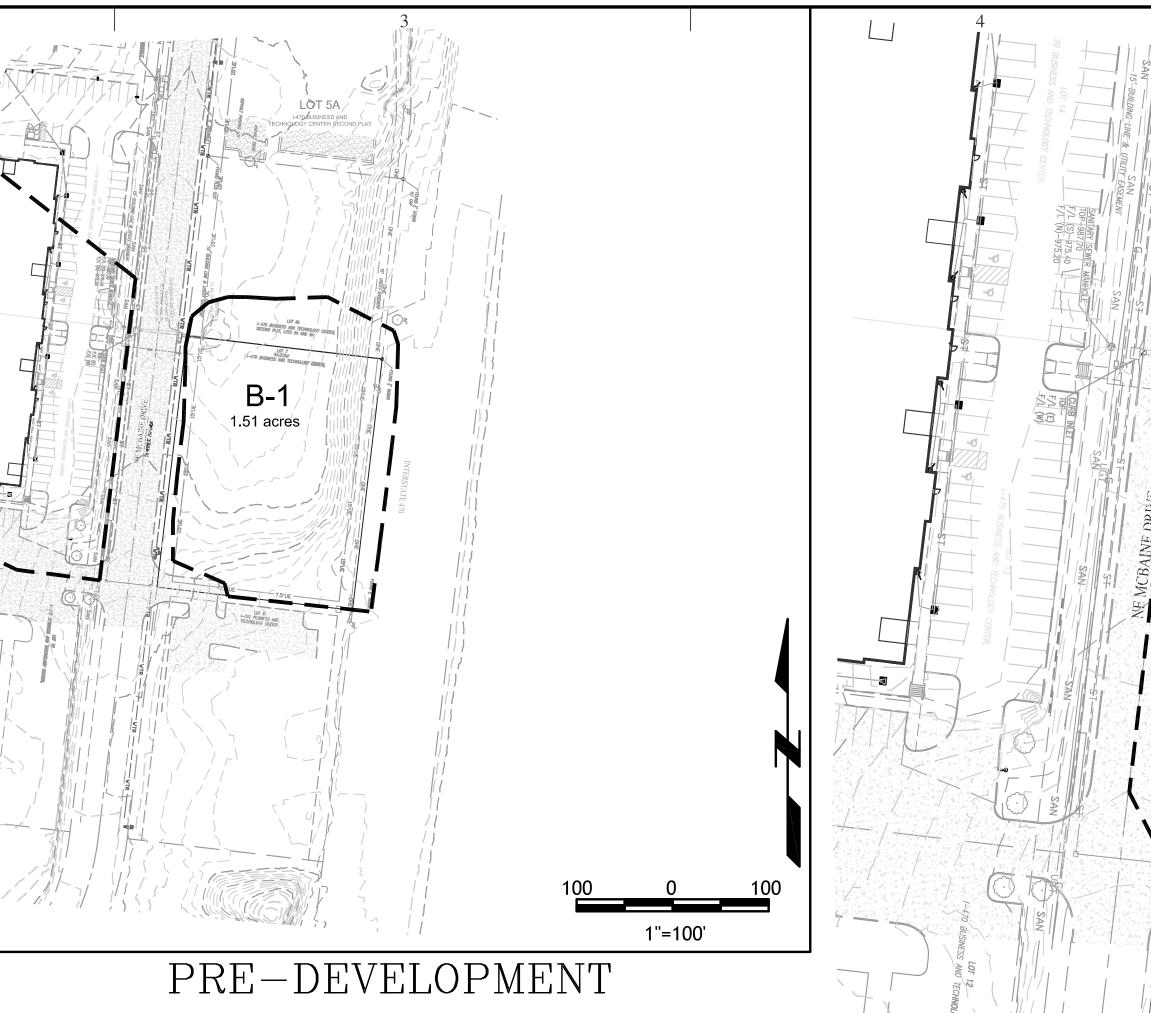




														STORM SI	EWER CA	LCULATIO	NS TABLE						(
Sewer Location Drainage Area to Inlet Time of Flow									Rainfall Runo	off Flow					Elevation								
	Line	From	То	Designation	Area	Coef	T _C	I100 Intensity	I25 Intensity	I10 Intensity	Inlet 100yr K*I*C*A	Inlet 25yr K*I*C*A	Inlet 10yr K*I*C*A	Additional Flow Lines	Additional cfs	In-pipe 100yr K*I*ΣC*A	In-pipe 25yr K*I*ΣC*A	In-pipe 10yr K*I*ΣC*A	Inlet	Тор	Coverage	Pipe Size (in)	} FLin
								meensieg	meensny		КІСА	RICA	KICH	FIOW LINES	CIS					elevation			8
2	LINE 1	CI-1-3	CI-1-2	A-1	0.17	0.88	5.00	10.32	8.53	7.35	1.93	1.40	1.10			1.93	1.40	1.10	CI-1-3	elevation 993.50	2.00	12.00	990.5
2	LINE 1	CI-1-3 CI-1-2	CI-1-2 CI-1-1	A-1 A-2	0.17 0.20	0.88	5.00 5.00	-	-	7.35 7.35									CI-1-3 CI-1-2				×
<u>/2</u>	LINE 1							10.32	8.53		1.93	1.40	1.10			1.93	1.40	1.10		993.50	2.00	12.00	990.5
	LINE 1	CI-1-2 CI-1-1 JB-1-1	CI-1-1 JB-1-1 AI-1-1	A-2	0.20	0.88	5.00 5.00 5.00	10.32 10.32	8.53 8.53	7.35 7.35 7.35	1.93 2.27	1.40 1.65	1.10 1.29			1.93 4.20	1.40 3.05	1.10 2.39	CI-1-2 CI-1-1 JB-1-1	993.50 994.10 994.10 993.30	2.00 3.55 4.75 4.50	12.00 15.00 15.00 18.00	990.50 989.30
	LINE 1	CI-1-2 CI-1-1 JB-1-1 AI-1-1	CI-1-1 JB-1-1 AI-1-1 FI-1-1	A-2 A-3 NA A-5	0.20 0.15 0.00 0.06	0.88 0.88 0.88 0.88	5.00 5.00 5.00 5.00	10.32 10.32 10.32 10.32 10.32 10.32	8.53 8.53 8.53 8.53 8.53 8.53	7.35 7.35 7.35 7.35 7.35	1.93 2.27 1.70 0.00 0.68	1.40 1.65 1.24 0.00 0.50	1.10 1.29 0.97 0.00 0.39	LINE-2	3.22	1.93 4.20 5.90 5.90 9.81	1.40 3.05 4.29 4.29 8.01	1.10 2.39 3.36 3.36 6.97	CI-1-2 CI-1-1 JB-1-1 AI-1-1	993.50 994.10 994.10 993.30 989.00	2.00 3.55 4.75 4.50 2.70	12.00 15.00 15.00 18.00 18.00	990.50 989.30 988.10 987.30 984.80
	LINE 1	CI-1-2 CI-1-1 JB-1-1	CI-1-1 JB-1-1 AI-1-1	A-2 A-3 NA	0.20 0.15 0.00	0.88 0.88 0.88	5.00 5.00 5.00	10.32 10.32 10.32 10.32	8.53 8.53 8.53 8.53 8.53	7.35 7.35 7.35	1.93 2.27 1.70 0.00	1.40 1.65 1.24 0.00	1.10 1.29 0.97 0.00			1.93 4.20 5.90 5.90	1.40 3.05 4.29 4.29	1.10 2.39 3.36 3.36	CI-1-2 CI-1-1 JB-1-1	993.50 994.10 994.10 993.30	2.00 3.55 4.75 4.50	12.00 15.00 15.00 18.00	990.50 989.30 988.10 987.30 984.80 982.73
✓2		CI-1-2 CI-1-1 JB-1-1 AI-1-1	CI-1-1 JB-1-1 AI-1-1 FI-1-1	A-2 A-3 NA A-5	0.20 0.15 0.00 0.06	0.88 0.88 0.88 0.88	5.00 5.00 5.00 5.00	10.32 10.32 10.32 10.32 10.32 10.32	8.53 8.53 8.53 8.53 8.53 8.53	7.35 7.35 7.35 7.35 7.35	1.93 2.27 1.70 0.00 0.68	1.40 1.65 1.24 0.00 0.50	1.10 1.29 0.97 0.00 0.39			1.93 4.20 5.90 5.90 9.81	1.40 3.05 4.29 4.29 8.01	1.10 2.39 3.36 3.36 6.97	CI-1-2 CI-1-1 JB-1-1 AI-1-1	993.50 994.10 994.10 993.30 989.00	2.00 3.55 4.75 4.50 2.70	12.00 15.00 15.00 18.00 18.00	990.50 989.30 988.10 987.30 984.80

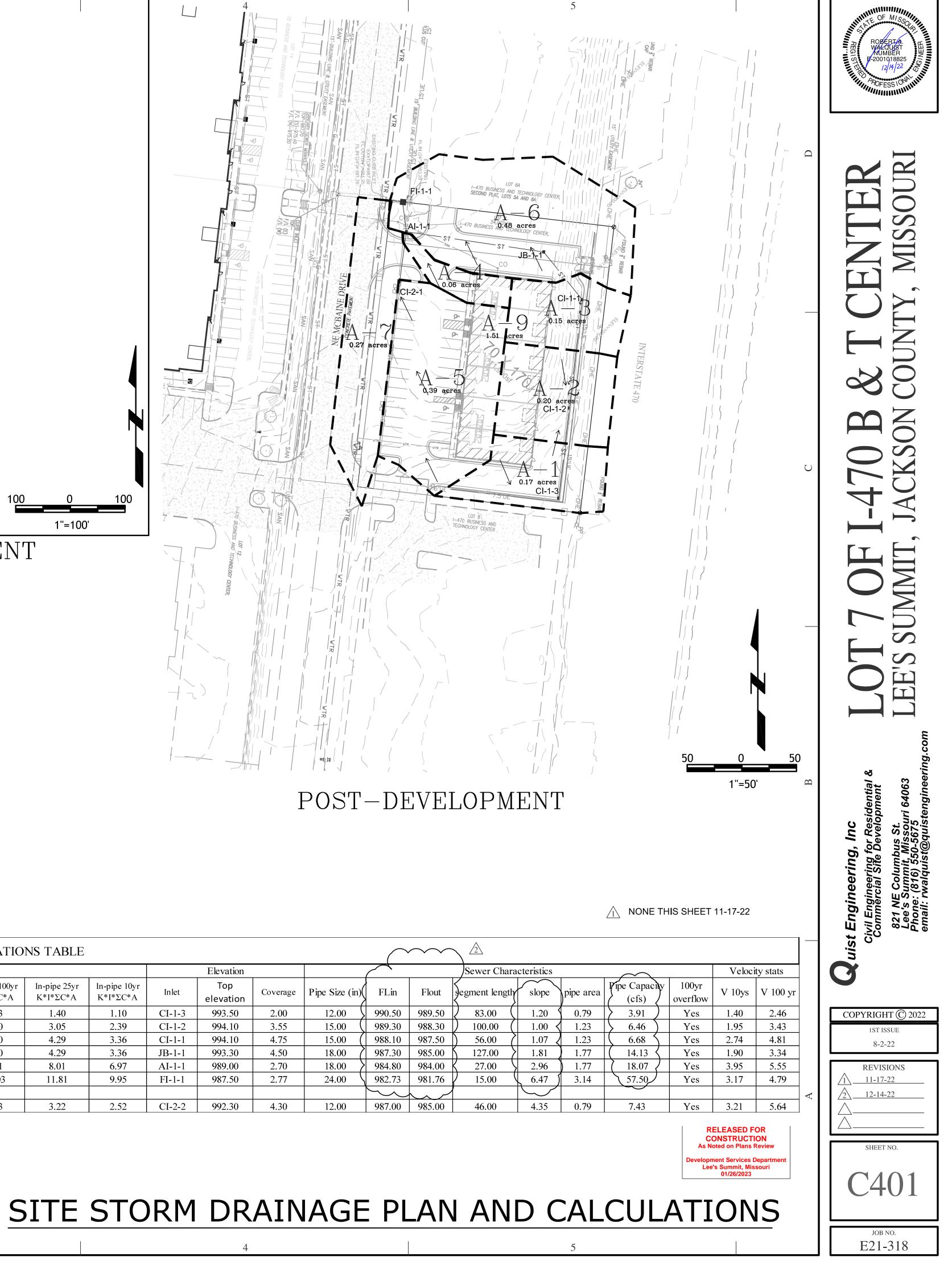
EA

В



OS 12

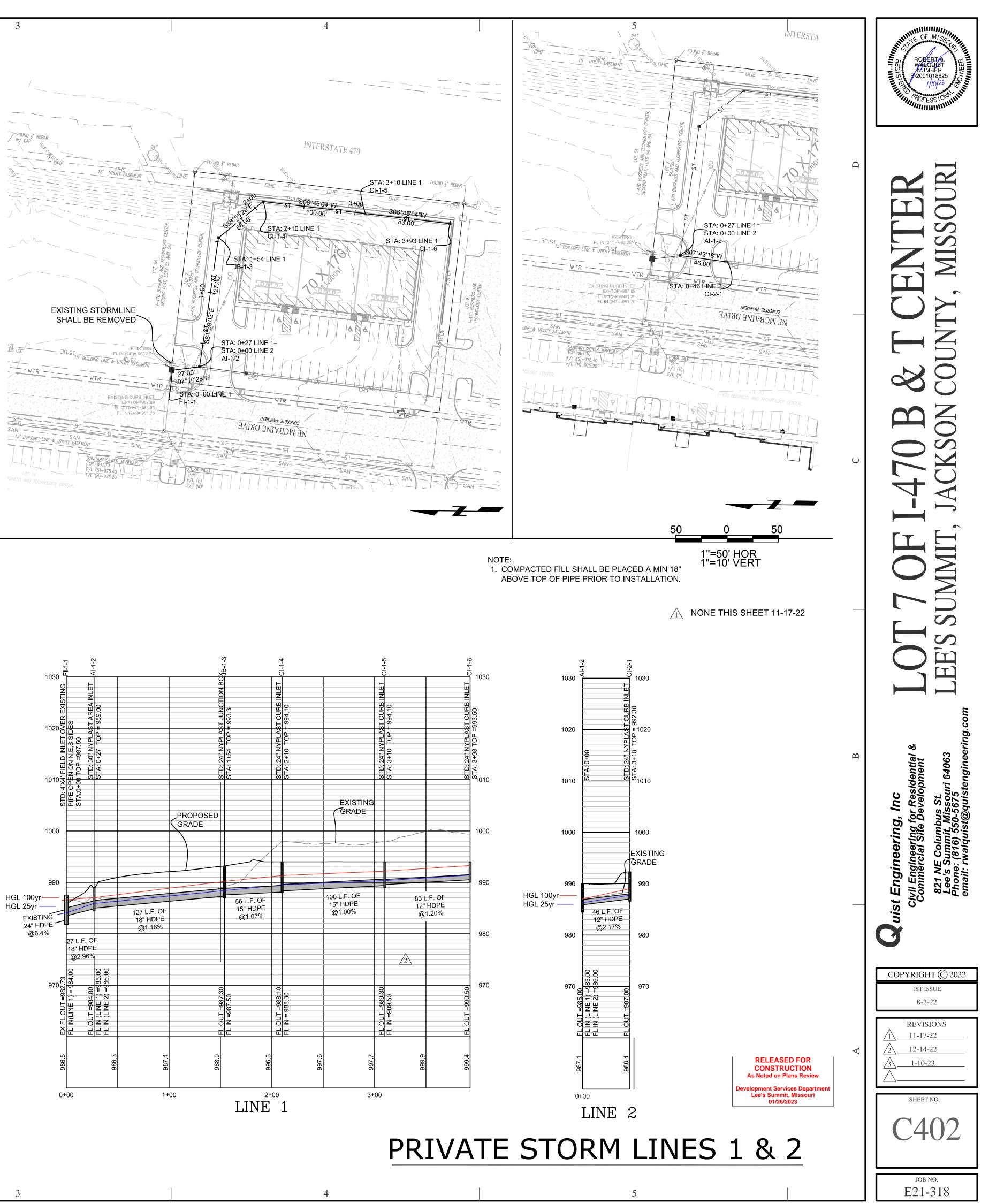
STORM SEWER CALCULATIONS TABLE

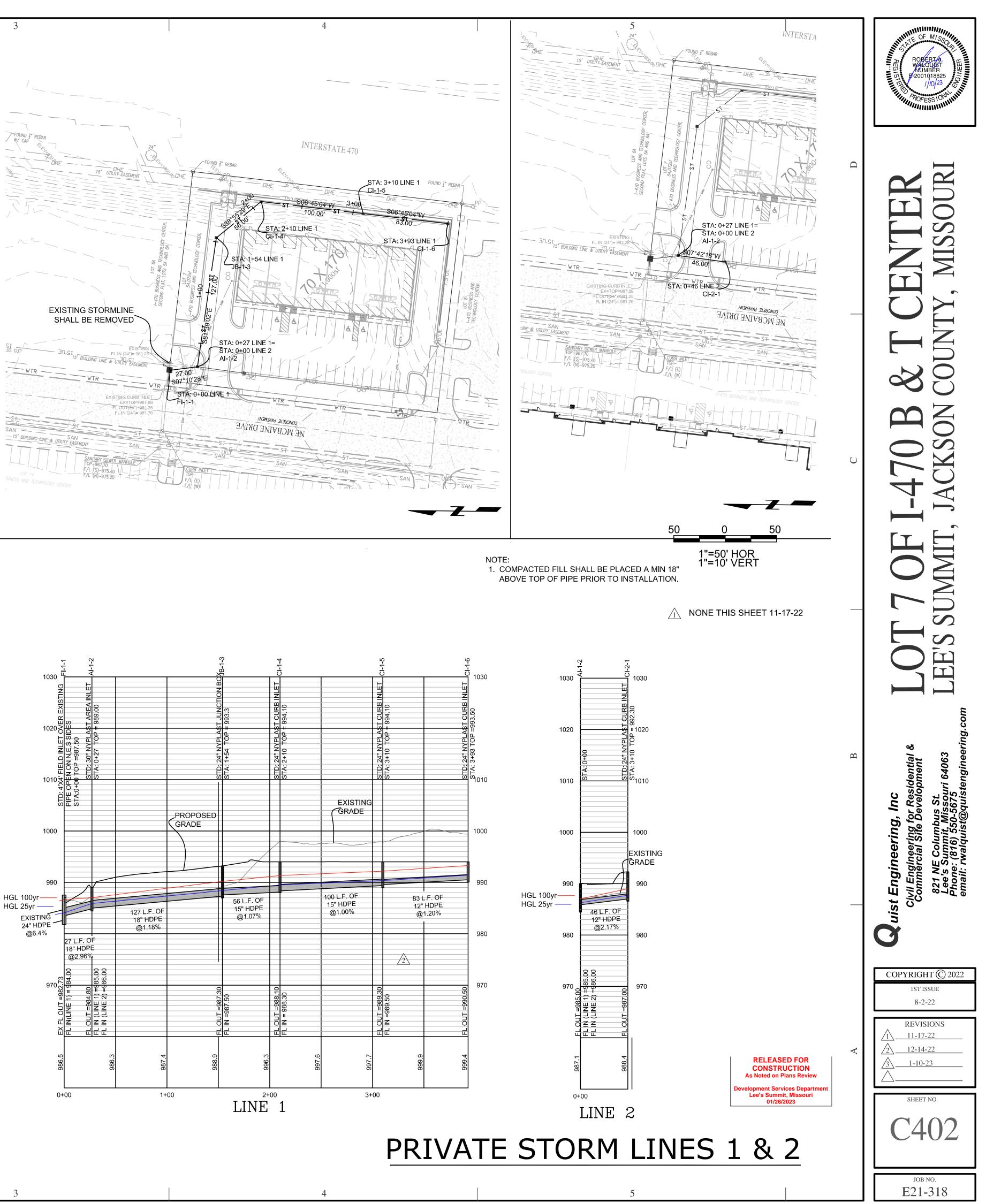


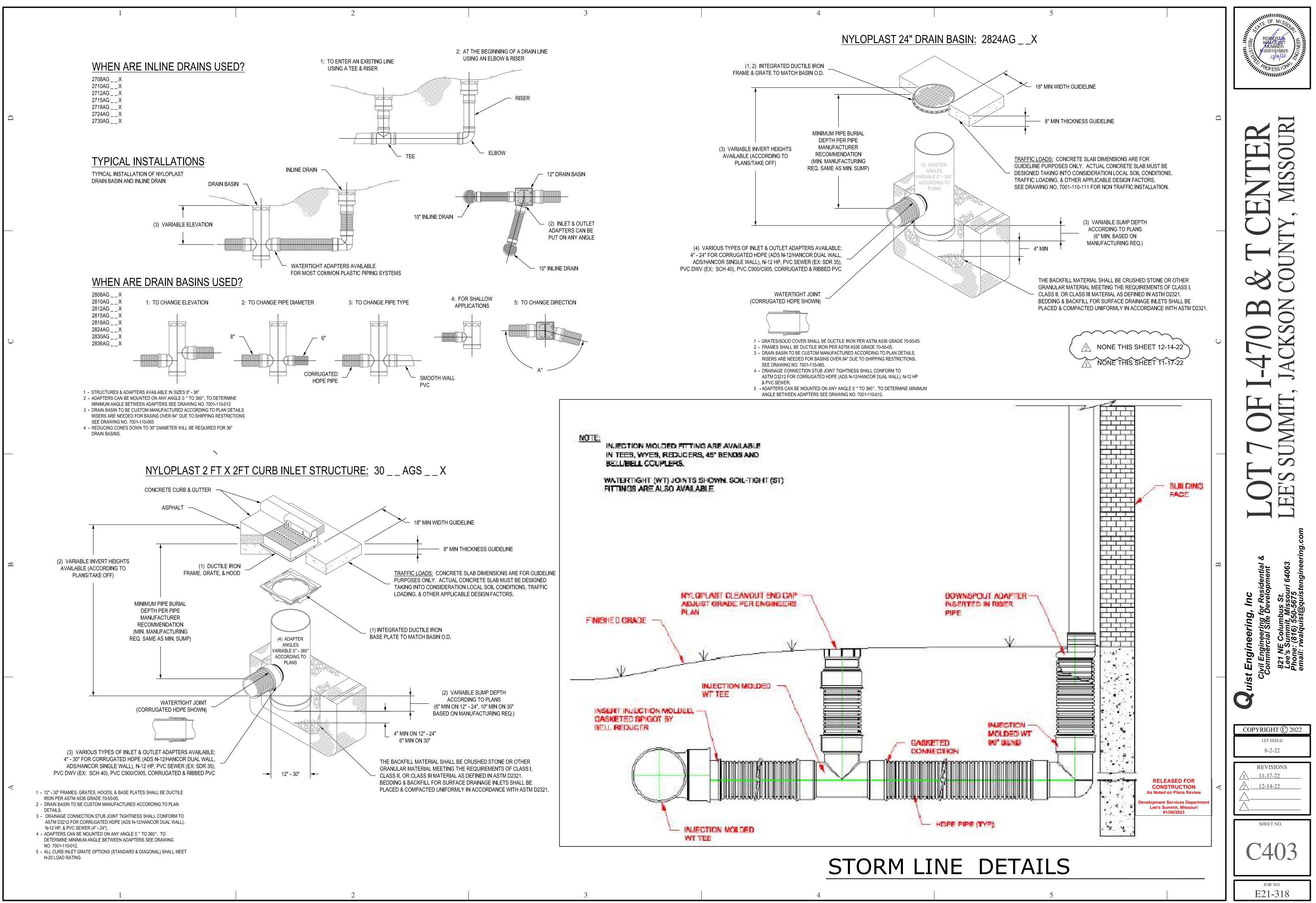
2

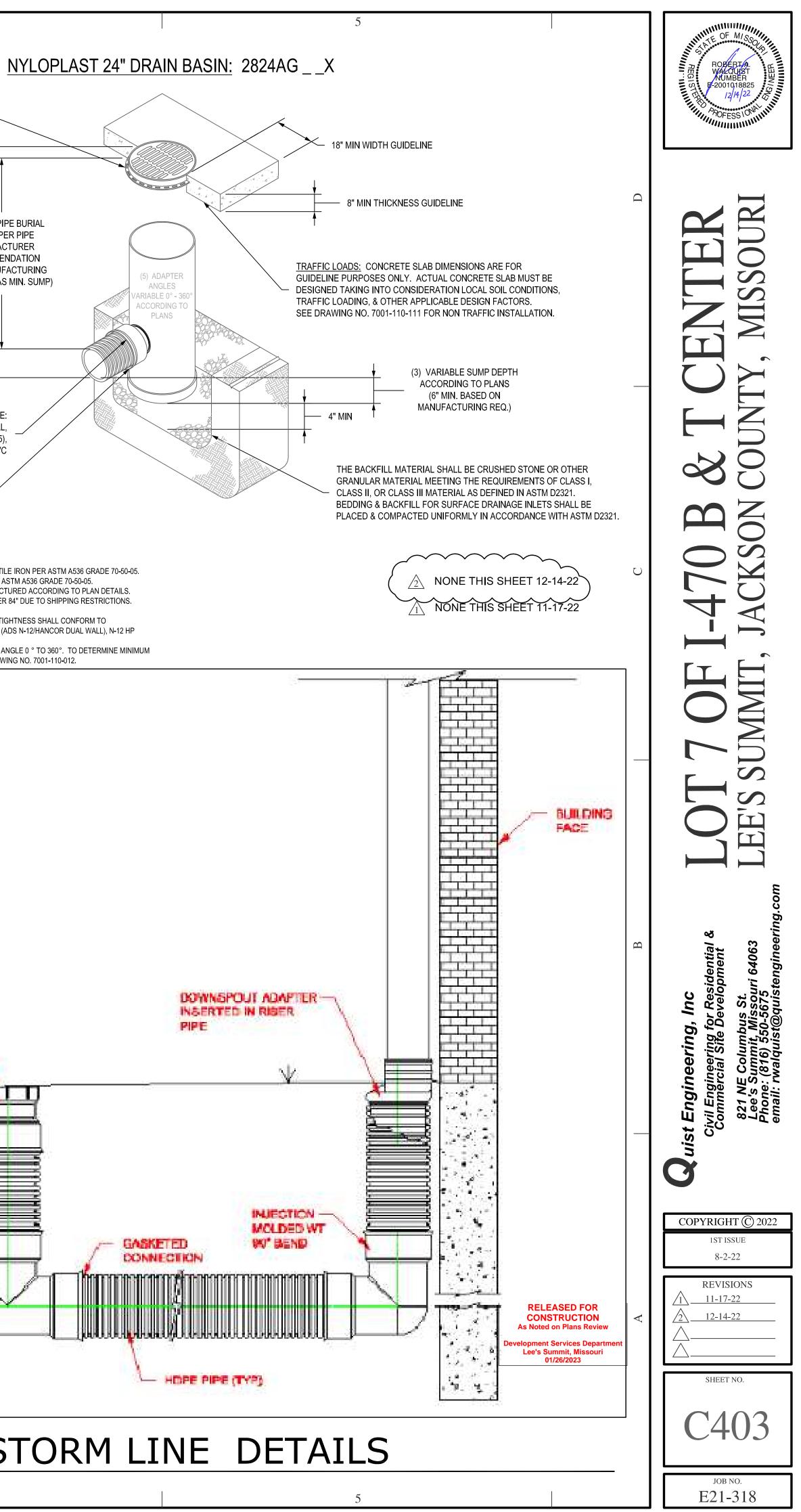
Ξ

 \mathbf{A}

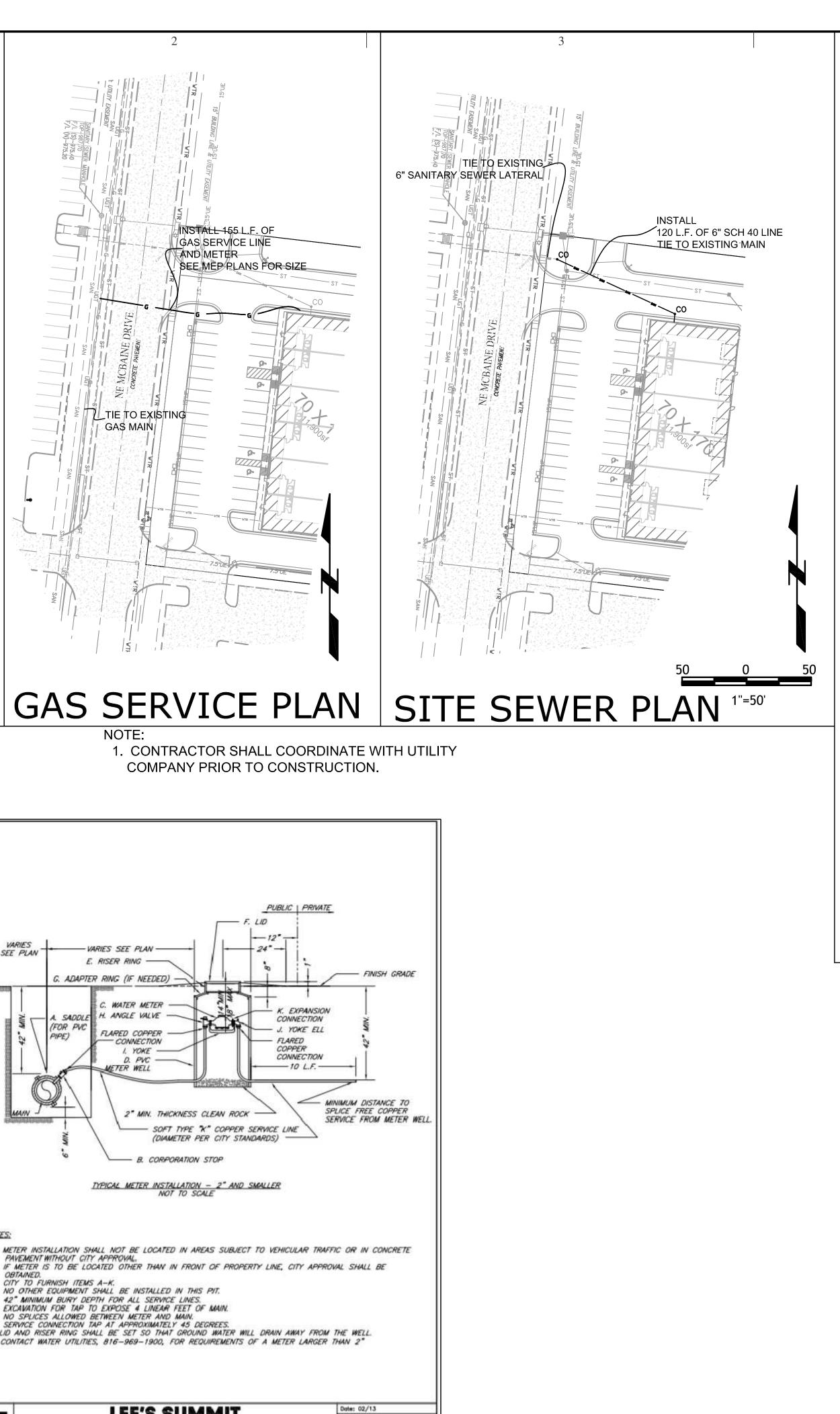








INSTALL 155 L.F. OF GAS SERVICE LINE 5 L.F. OF ³" COPPER SERVICE AND METER LINE SEE MEP PLANS FOR SIZE <u>ONE 34</u>" METERS IRRAGATION SYSTEM SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION EXISTING INSTALL WATER MAIN 90 L.F OF # COPPER DOMESTIC SERVICE LINE EXISTING FIRE HYDRANT TIE TO EXISTING NOTE 1. ALL TAPS SHALL BE PER CITY DETAIL 2. IRRIGATION LINE SHALL COME OFF THE DOMESTIC LINE PRIOIR TO THE PROPOSED METER SITE WATER PLAN NOTE: 1. CONTRACTOR SHALL COORDINATE WITH UTILITY ADDED LINE MATERIAL 12-14-22 COMPANY PRIOR TO CONSTRUCTION. REMOVED FIRE LINE 11-17-22 PUBLIC PRIVATE LID -VARIES SEE PLAN -- 24 \mathbf{m} E. RISER RING -ADAPTER RING (IF NEEDED) -WATER METER EXPANSION H. ANGLE VALVE SADDLE CONNECTION (FOR PVC - J. YOKE ELL FLARED COPPER - FLARED COPPER' CONNECTION PIPE) - CONNECTION I. YOKE . D. PVC LEGEND -10 L.F.-TER WELL ${f ar V}$ fire hydrant 📈 water valve " MIN. THICKNESS CLEAN ROCK WATER METER SOFT TYPE "K" COPPER SERVICE LINE (DIAMETER PER CITY STANDARDS) ----GAS METER - B. CORPORATION STOP \mathbf{Y} gas marker MANHOLE TYPICAL METER INSTALLATION - 2" AND SMALLER NOT TO SCALE └──● STREET LIGHT 🔆 YARD LIGHT NOTES: 1. METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL. 2. IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE ▲ CABLE TV PEDESTAL 2. IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PR OBTAINED. 3. CITY TO FURNISH ITEMS A-K. 4. NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT. 5. 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES. 6. EXCAVATION FOR TAP TO EXPOSE 4 LINEAR FEET OF MAIN. \bigotimes electric transformer T TELEPHONE BOX NO SPLICES ALLOWED BETWEEN METER AND MAIN. - POWER POLE 3. SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES. \checkmark 9 LID AND RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL. 10. CONTACT WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2" -D- POWER POLE W/TEL. 🛛 ELETRICAL PULL BOX - POWER POLE W/STREET LIGHT LEE'S SUMMIT S MISSOURI \triangle eletrical pull box PUBLIC WORKS I 🕁 GROUND FLOOD LIGHT SERVICE CONNECTION/METER WELL ╺ TRAFFIC SIGN



Drawn By: JN

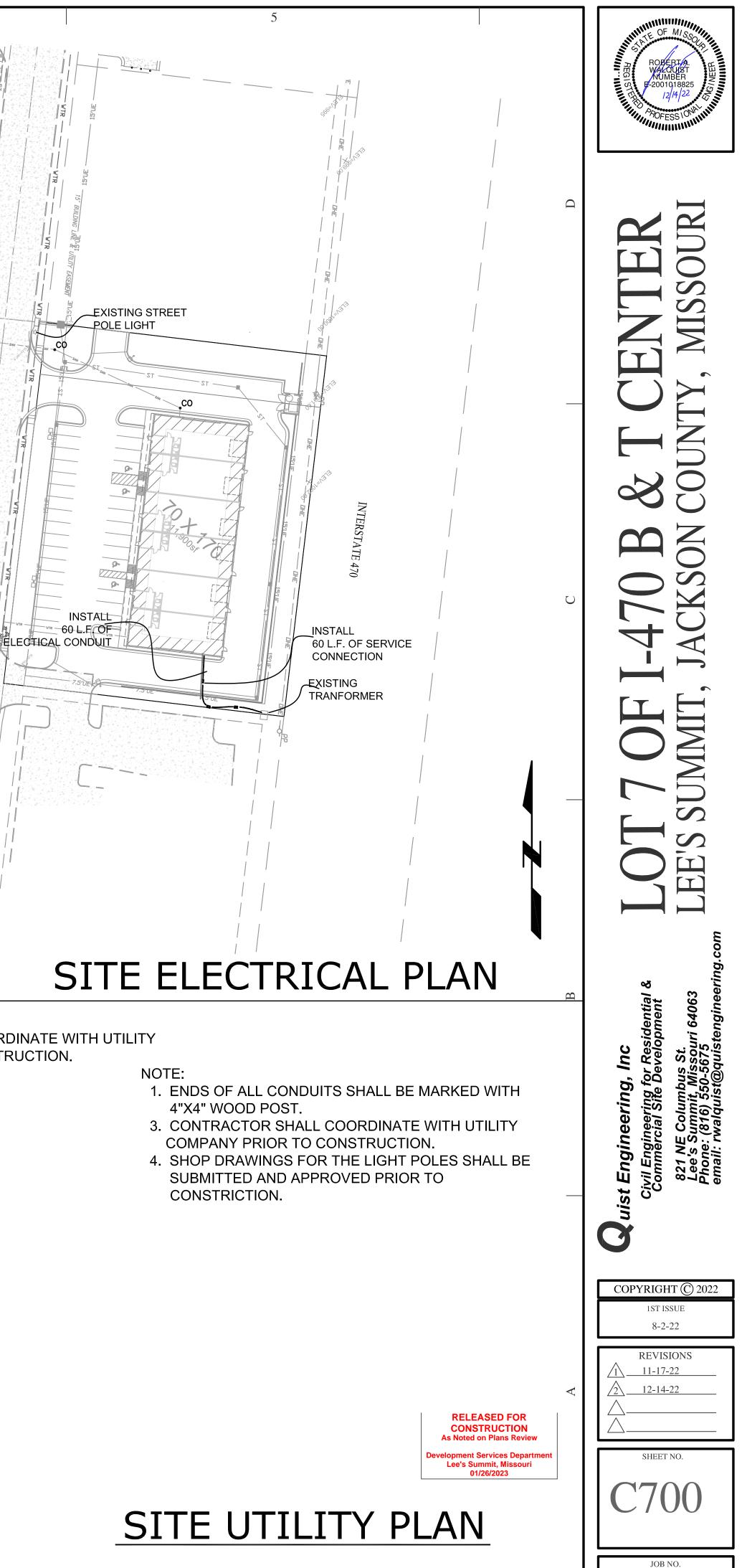
Checked By: DL

FILE: WAT-11

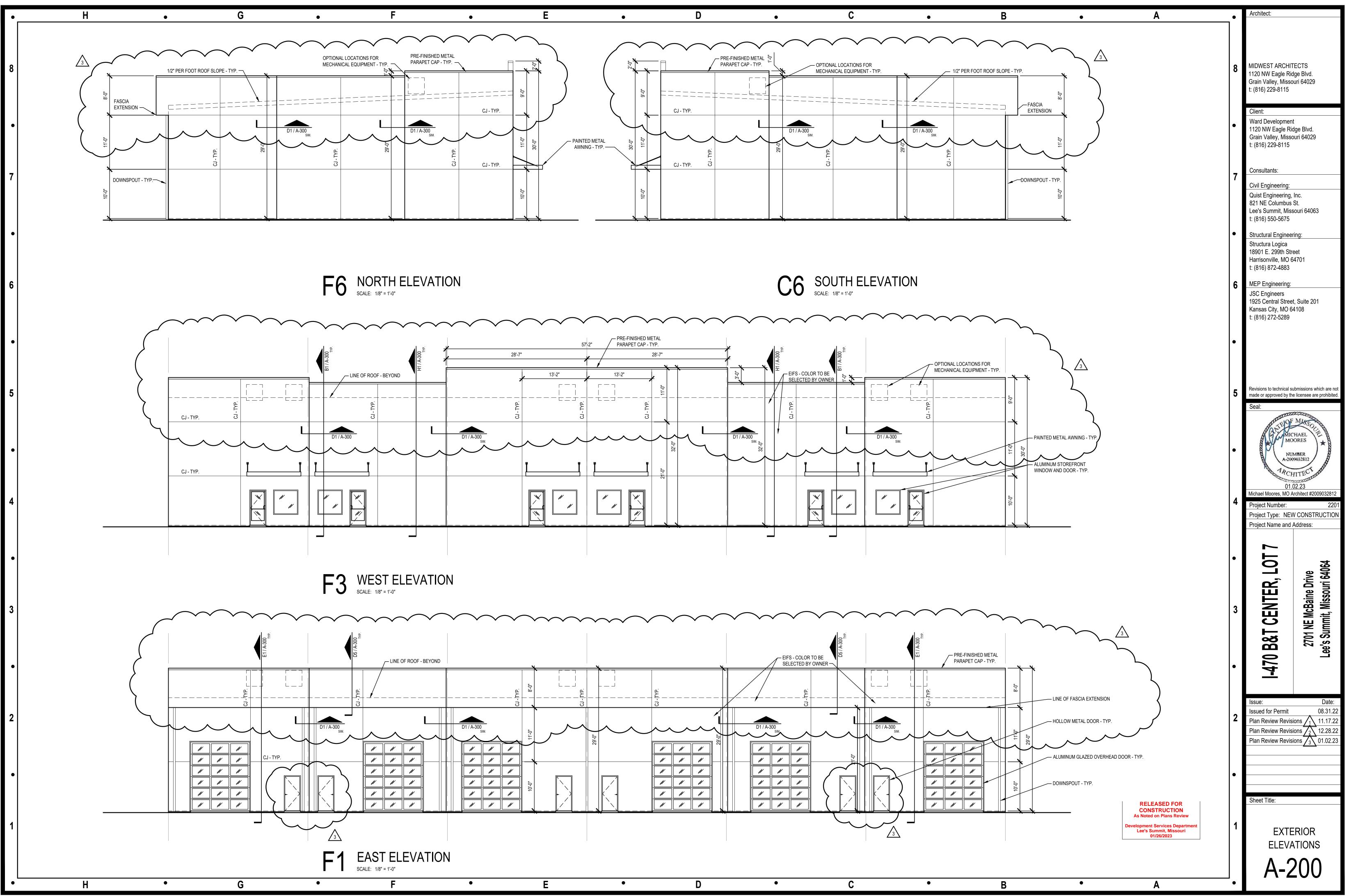
Rev: 1/14

NOTE:

1. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY PRIOR TO CONSTRUCTION.



E21-318



	Н	•	G	•	F	
					ELEC	CTRICAL
PAR	RT I – GENERAL			[1.	B. SHOP DRAWINGS AND APPROV THE ITEMS SPECIFIED HEREIN	
<u>A. (</u> 1.	A. LIGHTING FIXTURES AS INDIC	PLETELY WIRED AND OPERATION EIN, INCLUDING BUT NOT LIMITE CATED AND SPECIFIED ON THE F CE, CONDUIT, WIRING, ETC., FOR	D TO, THESE MAJOR ITEMS. PLANS.		MATERIALS OF EQUAL QUALIT FOR THE MATERIALS SPECIFIE OR TYPE OF EQUIPMENT, PRIC ENGINEER DETERMINING EQUAL THE CONTRACTOR SHALL SUB	Y AND AESTHETIC V D. NO APPROVAL V DR TO BIDDING. AF L MATERIALS WILL B
2.	C. TELEPHONE, TELEVISION, AN OBTAIN AND REVIEW ALL OTHE	ID FIRE ALARM. OUTLETS AND C R DRAWINGS INCLUDING REFLEC S AND ALL MILL WORK DRAWING	CONDUIT AS INDICATED.	AND EXTERIOR	FOLLOWING ITEMS: A. LIGHTING FIXTURE CUTS AN B. OUTLINE DRAWINGS AND D. PANELS. C. OUTLINE DRAWINGS OF ALL	ND PERFORMANCE DA ATA SHEETS OF EAC
3. 4.	OBTAIN SUBMITTAL AND SHOP INSTALLATION ACCORDINGLY.	DRAWINGS FROM OTHER TRADE		3.	D. WIRING DEVICES AND COVE E. ALL CIRCUIT BREAKERS INS SUBMIT ITEMS AT ONE TIME IN PARTIAL SUBMITTALS WILL NO	RPLATES. STALLED IN PANELBO N A NEAT AND ORDI
5.	JURISDICTION. FIRE ALARM SYSTEM, IF REQUI			<u>C.</u> 1.	<u>SYSTEM GROUNDING</u> GROUNDING SHALL COMPLY W METALLIC PARTS OF ELECTRIC	
0.	CONTRACTOR. DESIGN SHALL B SUBMIT STAMPED DRAWINGS TO RESPONSIBLE FOR TESTING ANI	BE IN ACCORDANCE WITH NFPA O AHJ FOR REVIEW AND APPRO D VERIFYING THAT THE AUDIBILI MBIENT NOISE LEVELS. ADD HOR	72. FIRE ALARM CONTRACTOR VAL. FIRE ALARM CONTRACTO ITY OF THE FIRE ALARM SYST	SHALL DR IS EM MEETS A 2.	GROUNDING CONDUCTOR OF N RACEWAYS, AND GROUNDED C	NONMETALLIC SHEATH CONDUCTORS OF THE ITRAL) OF THE WIRIN A SINGLE PLACE IN I
6.	PROVIDE FIRE STOP ON ALL PI WALL RATING. REFER TO ARCH CONTRACTOR SHALL PROVIDE F	IPING THAT PENETRATES RATED ITECTURAL DRAWINGS FOR LOCA FIRE RATED ENCLOSURES AROUI ATED WALLS AND SHALL FIRE C	ATION OF FIRE RATED WALLS. IND ALL ROUGH-IN BOXES, PA	THIS NELS, ETC. 3	CONDUCTOR (NEUTRAL) TO TH ENCLOSURE FOR THE SYSTEM PLANS OR SPECIFICATIONS. A GROUND BUS SEPARATE FR	HE GROUNDING CONI 'S OVERCURRENT PF ROM THE NEUTRAL E
<u>B. f</u> 1.	RELATED WORK BY OTHERS THE ELECTRICAL CONTRACTOR ENTRANCE FROM THE MAIN SEI		NCH, AND BACKFILL FOR ELECT ECTRICAL SERVICE. ELECTRICA	TRICAL SERVICE 4.	THOSE PROVIDED IN ANY EQU AS SPECIFIED ABOVE FOR THE) ENERGIZING EQUIPI L BUSES IN ALL DIS IIPMENT SHALL BE II E SERVICE ENTRANC
2.	SERVING UTILITY COMPANY. THE ELECTRICAL CONTRACTOR AND CATV SERVICE FROM THE		NCH, AND BACKFILL FOR PRIMA OR CABINET TO THE PHONE C	ARY PHONE	WHEN INDICATED ON THE DRA THE GROUND BUS IN THE DIS WHERE THEY ARE PROVIDED. SHALL BE CONNECTED TO EQ REMOVAL OF THE RECEPTACLI	TRIBUTION EQUIPMEN WHERE LUGS ARE UIPMENT ENCLOSURE
<u>C. (</u> 1.		DARDS PLY WITH APPLICABLE LOCAL A EST EDITION OF THE NATIONAL , TELEPHONE, AND CATV COMP/	ELECTRIC CODE AND WITH TH	e o this 7.	BUSING SHALL NOT AFFECT T RACEWAYS MAY NOT BE USED CONDUIT SHALL HAVE SEPARA INSURE A CONTINUOUS GROUT IN INACCESSIBLE LOCATIONS,	HE GROUND SYSTEM D AS A GROUNDING ATE CODE SIZED GR NDING PATH. MAKE CONNECTIONS
2.	THE LATEST EDITIONS OF THE MINIMUM REQUIREMENTS: A. THE NATIONAL ELECTRICAL B. THE NATIONAL ELECTRICAL	MANUFACTURER'S ASSOCIATION CODE, INCLUDING LOCAL AMEND	N STANDARDS.	es are 8. <u>D.</u>	IN ACCESSIBLE LOCATIONS, CO SOLDERLESS BRONZE GROUND <u>WIRE</u> CONDUCTOR SIZES SHOWN ON	ONNECTIONS SHALL DING DEVICES.
<u>D. 1</u>	C. UNDERWRITER LABORATORIES D. AMERICAN NATIONAL STAND E. INTERNATIONAL BUILDING CO	ARDS INSTITUTE. DDE.		2.	SPECIFIED, ALL WIRE SHALL B AWG, TYPE THHN/THWN INSUL BRANCH CIRCUIT WIRING SHAL ALUMINUM CONDUCTORS MAY SHALL BE ALUMINUM ALLOW	BE TYPE XHHW OR S LATION FOR FEEDER LL BE COPPER. BE UTILIZED FOR S
1. 2.) SHALL THOROUGHLY ACQUAIN NCOUNTERED, ETC. ALLOWANCE IDDING.	T HIMSELF WITH EXISTING UTIL E WILL NOT BE MADE FOR NO	ITIES, AND ^{3.}	THE WIRES SHALL BE MARKEE REQUIRED BY LOCAL ORDINAN 120V-WHITE, AND LIVE WIRES AND BLUE (PHASE C). CIRCU ALL CONDUCTORS SHALL BE) WITH COLOR TO S ICES GROUND WIRES 208Y/120V AND 1: JIT SHALL BE LABEL
<u>Е.</u> 1.	OR STORAGE. CONTRACTOR S	PMENT TO THE PROJECT IN THE CT AGAINST MOISTURE, TAMPER HALL PROTECT AND BE RESPON	RING, OR DAMAGE FROM IMPRONSIBLE FOR ANY DAMAGE TO	5. UNOPENED, PPER HANDLING WORK OR 6.	SPLICES IN EXTERIOR PULL BO SPLICE KIT OR APPROVED EQU APPROVED EQUAL. PROVIDE SOLID CONDUCTOR F	OXES AND MANHOLE UAL. SEAL ENDS C OR 12 AWG AND SM
2. 3.	OWNER, ANY DAMAGE OR LOSS ARRANGE FOR TIMELY DELIVER THE LENGTH OF TIME BETWEEN COVER AND PROTECT ANY MAT	I DELIVERY AND INSTALLATION. TERIAL WHICH MAY BE AFFECTE	IIS PERIOD. NT TO THE JOB SITE IN ORDEF ED BY THE WEATHER WHILE IN	R TO MINIMIZE 8. TRANSIT OR	NO WIRE SHALL BE INSTALLEE MINERALAC NO. 100 OR EQUIN CONDUCTORS IN THE CONDUIT MC CABLE WITH COPPER CON	VALENT AS A LUBRI T SYSTEM.
	WITH THE CONTRACT DOCUMEN <u>CLEANUP</u> KEEP THE PREMISES FREE FRO		ENGINEER. IATERIALS, OR RUBBISH CAUSE	1. ID BY	CONDUIT ALL WIRING SHALL BE INSTAL SECTIONS. RGS, WITH A 20 I BE USED IN INDOOR LOCATION LOCATIONS NOT IN CONTACT	MIL PVC COATING W NS NOT IN CONTACT WITH EARTH, NOT IN
<u>G.</u> 1.	REMOVE ALL SURPLUS MATERIA EXCAVATION, CUTTING, AND FITTI PERFORM ALL EXCAVATION ANI	D BACK FILLING REQUIRED FOR	THE PREMISES BROOM-CLEAN. WORK PERFORMED UNDER TH	IS DIVISION OF 2.	DAMAGE. PVC MAY BE USED CONDUIT SHALL BE USED FOR 72". LIQUID-TIGHT FLEXIBLE EQUIPMENT NOT TO EXCEED 4 WHERE CONDUIT ENTERS OUT	R INDOOR FINAL CON STEEL CONDUIT SH, 48". LET BOXES, FIXTURE
2.			D FINISHING OF THE WORK NEW WEVER, NO CUTTING OF THE N	CESSARY FOR NORK OF	COMPRESSION CONNECTORS, (OR INSULATED THROAT CONNI EXPOSED CONDUIT PARALLEL T & B OR APPLETON, OR EQU COVER METALLIC CONDUIT IN	ECTORS. FIRMLY FA TO THE BUILDING L UAL). CONTACT WITH EAR
<u>H.</u> 1.	DRAWINGS THE DRAWINGS INDICATE THE O PRESENTED ON THESE DRAWING	GENERAL ARRANGEMENT AND LO GS ARE AS ACCURATE AS PLAN NNS, LOCATIONS, LEVELS, ETC.,	NNING CAN DETERMINE, BUT F	IELD 4.	LAPPED TO PROVIDE 20 MIL. NOT UNDER BUILDINGS AND F COMPOUND TO BE WATERTIGH SCHEDULE 40 PVC CONDUIT S APPROVED AND CEMENTED JO	EEDER DUCTS SHAL IT. SHALL BE PERMITTEI DINTS. PENETRATION
	REVIEW ALL ARCHITECTURAL, S THE REQUIREMENTS OF CONDIT OVER ALL OTHER DRAWINGS. SPECIFICATIONS, OR REGULATIC	STRUCTURAL, AND MECHANICAL STRUCTURAL, AND MECHANICAL TONS SHOWN. THE ARCHITECTU DISCREPANCIES BETWEEN DIFFEI ONS AND CODES GOVERNING THI IN WRITING BEFORE THE DATE C	DRAWINGS AND ADJUST ALL N JRAL DRAWINGS SHALL TAKE F RENT PLANS, OR BETWEEN DR IE INSTALLATION SHALL BE BR	WORK TO MEET 5. PRECEDENCE 6. AWINGS AND 7. OUGHT TO THE 7.	22° SHALL BE WRAPPED RIGID FITTINGS AND CONDUIT BODIE: CONDUIT SIZES SHALL BE AS ALL EMPTY CONDUIT SYSTEMS INSTALLATION OF FUTURE WIR	S SHALL BE STEEL. REQUIRED BY CODE S SHALL HAVE A 20 E.
	NOT REPORTED, THE CONTRAC APPROPRIATE ADJUSTMENTS W RESPONSIBLE TO FIELD MEASU	TOR SHALL BID THE GREATER G ILL BE MADE AFTER CONTRACT RE AND CONFIRM MOUNTING HE COUNTERS, RADIATION, ETC. D	QUANTITY OR BETTER QUALITY, AWARD. CONTRACTOR SHALL EIGHTS AND LOCATION OF ELEC	, AND 8. BE CTRICAL 9.	WIRING, CONDUITS, AND OUTLI CERTAIN MOTOR AND LIGHTING INDICATED ON THE DRAWINGS. CONDUIT PENETRATION THROU FLASHING SLEEVE. INSTALLA	G FEEDER CONDUITS JGH ROOF SHALL HA TION SHALL BE WAT
<u>l.</u> 1.	COOPERATION WITH OTHER CONTR COOPERATE WITH THE OTHER EQUIPMENT WILL BE PROPERLY LOCATIONS SHALL BE VERIFIED	RACTORS TRADES SO THAT THE INSTALLA COORDINATED. CONDUIT, LIGH WITH OTHER TRADES TO AVOID	ITING FIXTURES, AND OTHER E	QUIPMENT 1.	CONDUITS SHALL BE ROUTED OUTLET, PULL, AND JUNCTION BO ALL JUNCTION AND OUTLET B BOXES INSTALLED IN POURED WATERTIGHT GASKETED COVEF	<u>DXES</u> IOXES CONCEALED II CEMENT FLOORS S
2. 3.	STEEL, BEAMS, OR OTHER OBS CAREFULLY VERIFY THE LOCA BEEN DISTURBED DURING THE COORDINATE THE LOCATION OF SERVICES WITH THE GENERAL (TRUCTIONS. ATIONS OF THE OUTLET BOXES INSTALLATION OF MATERIALS OF THE TRENCHES AND CONDUITS CONTRACTOR.	AND DETERMINE THAT THEY F F OTHER TRADES. S FOR ELECTRICAL AND TELEP	HAVE NOT 3. HONE UTILITY 4.	COVERING, COVERS SHALL BE	OF THE RECESSED LARM, COMPUTER, /
4. <u>J.</u> 1.	COORDINATE HVAC AND PLUME CONTRACTORS. <u>RECORD DRAWINGS</u> THE ELECTRICAL CONTRACTOR EXCLUSIVE PURPOSE OF MAINT FROM THE WORK INDICATED ON	SHALL MAINTAIN A SET OF DRA AINING A RECORD OF ALL WORI	AWINGS AT THE JOB SITE FOR	<u>G V</u> THE 1.	<u>MIRING DEVICES (COMMERCIAL)</u> WALL SWITCHES SHALL BE SP RECEPTACLES SHALL BE SPEC GROUNDED TYPE. SPECIAL AP	CIFICATION GRADE, D
2. <u>Par</u>	AT THE COMPLETION OF THE P	PROJECT, ONE SET OF REPRODU RED TO THE OWNER FOR ACCEP			GROUND DOWN. DEVICE PLATES SHALL BE EQ WHITE, UNLESS OTHERWISE NO RECEPTACLES IN OUTDOOR AN COVER/ENCLOSURE CLEARLY	UAL TO SIERRA SMO DTED. ND WET LOCATIONS
1.		R'S LABORATORIES APPROVAL (WHICH THEY H.	EQUAL TO TAYMAC SPECIFICA SERVICE ENTRANCE SECTION THE SERVICE ENTRANCE EQUI	TION GRADE.

CAL SPECIFICATIONS

RAWINGS ARE USED AS A STANDARD OF QUALITY. ANY THETIC VALUE WILL BE GIVEN CONSIDERATION AS A SUBSTITUTE PROVAL WILL BE GIVEN TO A SPECIFIC CATALOG NUMBER, MODEL, NG. AFTER BIDDING, THE DECISION OF THE ARCHITECT AND/OR S WILL BE FINAL. (7) IDENTICAL BOUND SETS OF SHOP DRAWINGS ON THE

Ε

ANCE DATA. S OF EACH PANELBOARD, LOAD CENTERS, AND DISTRIBUTION EAR COMPONENTS.

PANELBOARDS, LOAD CENTERS, AND DISTRIBUTION PANELS. AND ORDERLY MANNER WITHIN 15 DAYS OF AWARD OF CONTRACT. PTABLE.

EMENTS OF ARTICLE 250. ALL EXPOSED NONCURRENT CARRYING ENT, METALLIC RACEWAY SYSTEMS, METALLIC CABLE ARMOR, SHEATHED CABLES, GROUNDING CONDUCTOR IN NONMETALLIC S OF THE WIRING SYSTEM SHALL BE GROUNDED.

THE WIRING SYSTEM SHALL BE CONNECTED TO THE SYSTEM ACE IN EACH SYSTEM BY REMOVABLE BONDING JUMPERS, SIZED ONS OF THE NATIONAL ELECTRICAL CODE. THE GROUNDED ING CONDUCTOR CONNECTION SHALL BE LOCATED IN THE RENT PROTECTION OR WHERE OTHERWISE INDICATED ON THE

UTRAL BUS SHALL BE PROVIDED IN ALL DISTRIBUTION PANELS GROUND BUS SHALL BE VERIFIED, PER MANUFACTURER'S GEQUIPMENT.

ALL DISTRIBUTION PANELS, LOAD CENTERS, PANELBOARDS, AND ALL BE ISOLATED EXCEPT WHERE REQUIRED TO BE CONNECTED ENTRANCE

JIPMENT GROUNDING CONDUCTORS SHALL BE EXTENDED FROM EQUIPMENT TO THE RECEPTACLE, FIXTURE OR DEVICE LUGS GS ARE NOT PROVIDED, EQUIPMENT GROUNDING CONDUCTORS CLOSURES. THE CONNECTIONS SHALL BE ARRANGED SUCH THAT NT GROUND CONDUCTORS, OR GROUND JUMPERS FROM GROUND SYSTEM.

DUNDING CONDUCTOR FOR POWER AND LIGHTING CIRCUITS. ALL SIZED GREEN GROUND WIRE INSTALLED IN THE CONDUIT TO

NECTIONS BY EXOTHERMIC WELD PROCESS. S SHALL BE MADE WITH BOLTED THROUGH, APPROVED

INGS ARE BASED ON COPPER WIRE. UNLESS OTHERWISE HW OR SE FOR FEEDERS OR BRANCH CIRCUITS LARGER THAN 4 FEEDERS AND BRANCH CIRCUITS 4 AWG AND SMALLER. ALL

) FOR SERVICE ENTRANCE AND PANEL FEEDERS. CONDUCTORS ERIES. OR TO SIMPLIFY CIRCUIT IDENTIFICATION. UNLESS OTHERWISE ND WIRES SHALL BE GREEN, NEUTRAL WIRES SHALL BE 'AND 120/240 SHALL BE BLACK (PHASE A), RED (PHASE B), E LABELED IN EACH J-BOX.

VOLT. MANHOLES SHALL BE WEATHERPROOF USING "SCOTCHCAST" ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR

AND SMALLER. ONDUIT SYSTEM UNTIL THE CONDUIT SYSTEM IS COMPLETE. USE A LUBRICANT TO FACILITATE THE INSTALLATION OF THE

AND GROUND WIRE MAY BE USED WHERE PERMITTED.

TED METALLIC CONDUIT EXCEPT AS PERMITTED IN OTHER ATING WILL BE USED WHEN IN CONTACT WITH EARTH. IMC MAY CONTACT WITH THE EARTH. EMT MAY BE USED IN INDOOR , NOT IN CONCRETE SLABS OR WALLS AND NOT SUBJECT TO OW CONCRETE AND DIRECT BURIED IN EARTH. FLEXIBLE STEEL INAL CONNECTIONS TO EQUIPMENT IN LENGTHS NOT TO EXCEED IDUIT SHALL BE FOR OUTDOOR FINAL CONNECTIONS TO

FIXTURES OR CABINETS, FIRMLY FASTEN WITH STEEL SET SCREW, LOCKNUTS FOR GRC. ALL CONNECTIONS SHALL HAVE BUSHINGS IRMLY FASTEN CONDUIT TO THE BUILDING CONSTRUCTION. RUN ILDING LINES, SUPPORTED BY APPROPRIATE HANGERS (UNISTRUT,

MITH EARTH WITH POLYETHYLENE TAPED SPIRAL WRAPPED, 1/2 TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS CTS SHALL BE INSTALLED PER N.E.C. 300-5. MAKE JOINTS WITH

ERMITTED UNDERGROUND WITH PROPER FITTINGS, ALL UL ETRATIONS THROUGH FLOOR SLABS AND BENDS GREATER THAN ED STEEL ELBOWS. STEEL. DIECAST FITTINGS ARE NOT ACCEPTABLE.

BY CODE AND AS INDICATED OR SPECIFIED. AVE A 200 LB. TEST NYLON PULL STRING TO FACILITATE

BE CONCEALED WITH THE BUILDING STRUCTURE, EXCEPT THAT CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREAS AS

HALL HAVE ROOF FLASHING WITH CAULK TYPE COUNTER BE WATERTIGHT. AND PERPENDICULAR TO THE STRUCTURE.

EALED IN WALLS SHALL BE STEEL. OORS SHALL BE FLUSH TYPE CAST IRON OR STEEL WITH BOXES ARE INSTALLED IN FLOORS WITH TILE OR CARPET FLOOR ECESSED TYPE TO ACCOMMODATE THE FLOOR COVERING.

PUTER, AND SECURITY SYSTEM SHALL BE PROVIDED WITH , FIRE ALARM, SECURITY, AND SIMILAR SYSTEMS SHALL BE

I GRADE AC SILENT TYPE SWITCHES, 20A 120/277 VOLT.

GRADE, DUPLEX TYPE. NEMA5-20R, 20 AMPERE, 120VOLT RECEPTACLES SHALL BE INDICATED ON PLANS. MOUNT WITH THE

RRA SMOOTH-LINE PLASTIC WALL PLATES. COLOR SHALL BE CATIONS SHALL BE INSTALLED WITH A HINGED OUTLET ND U.L. LISTED SUITABLE FOR WET LOCATIONS WHILE IN USE,

L BE AS INDICATED ON THE DRAWINGS. EQUIPMENT SHALL FORM TO THE POWER COMPANY REGULATIONS. PROVIDED WITH A FULLY RATED COPPER OR ALUMINUM BUS.

Ε

J. PANEL BOARDS 1. CIRCUIT BREAKER TYPE AS INDICATED ON DRAWINGS. UNLESS INDICATED OTHERWISE, ALL PANELS SHALL HAVE PANEL HAVE PANEL BOARD TYPE CONSTRUCTION WITH BOLT-ON CIRCUIT BREAKERS FOR 30 PANELS

•

- MANUFACTURERS SHALL BE GENERAL ELECTRIC, SQUARE D, SEIMENS, CUTLER-HAMMER WITH VOLTAGE, 2. SIZES, AND RATINGS AS INDICATED ON DRAWINGS. THE CIRCUIT BREAKERS SHALL BE OPERABLE IN ANY POSITION AND BE REMOVABLE FROM THE FRONT OF
- THE PANEL BOARD WITHOUT DISTURBING THE ADJACENT UNITS. BRANCH BREAKERS SHALL BE OF SUCH DESIGN THAT COMBINATION OF SINGLE-POLE, DOUBLE-POLE, AND THREE-POLE BREAKERS CAN BE ASSEMBLED ON THE SAME PANEL. EACH BRANCH CIRCUIT SHALL BE CLEARLY NUMBERED. BRANCH AND MAN TERMINALS SHALL BE SOLDERLESS TYPE. HANDLE TIES TO FORM MULTI-POLE BREAKERS NOT ACCEPTABLE.
- L. LIGHTING FIXTURES 1.

•

- PROVIDE ALL LIGHTING FIXTURES, WIRED AND CONNECTED. THE DRAWINGS INDICATE THE FIXTURES FOR EACH LOCATION. PROVIDE LAMPS FOR ALL FIXTURES. THE LAMPS SHALL BE BY THE SAME MANUFACTURER. VERIFY CEILING CONSTRUCTION BEFORE ORDERING RECESSED UNITS. PROVIDE PLASTER FRAMES AND HANGERS AS REQUIRED. CEILING CONSTRUCTION, ARCHITECTURAL ACCESSORIES, VOLTAGE, AND BALLASTS TO MEET THE EXISTING CEILING CONDITION.
- M. LIGHTING CONTROL
- FURNISH AND INSTALL TIME SWITCHES, PHOTOCELLS, CONTRACTORS AND FULL LIGHTING CONTROL SYSTEMS AS REQUIRED FOR LIGHTING CONTROLS INDICATED ON THE DRAWINGS. TIME SWITCHES SHALL BE EQUAL TO PARAGON, GENERAL ELECTRIC, TORK, OR INTERMATIC AND SHALL
- HAVE SIZE AND NUMBER OF POLES AS REQUIRED. 3. PHOTOCELLS SHALL BE EQUAL TO TORK OR INTERMATIC WITH VOLTAGE AS INDICATED.
- N. TELEPHONE AND CABLE TELEVISION SYSTEMS

D

- 1. TELEPHONE WALL OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE.
- CABLE TELEVISION OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR 2. UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE.
- O. GUARANTEE 1. GUARANTEE ALL MATERIAL FURNISHED AND ALL WORKMANSHIP PERFORMED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIAL FURNISHED AS A PART OF THIS SECTION OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE MADE GOOD AT NO EXPENSE TO THE OWNER.

۲

D

•

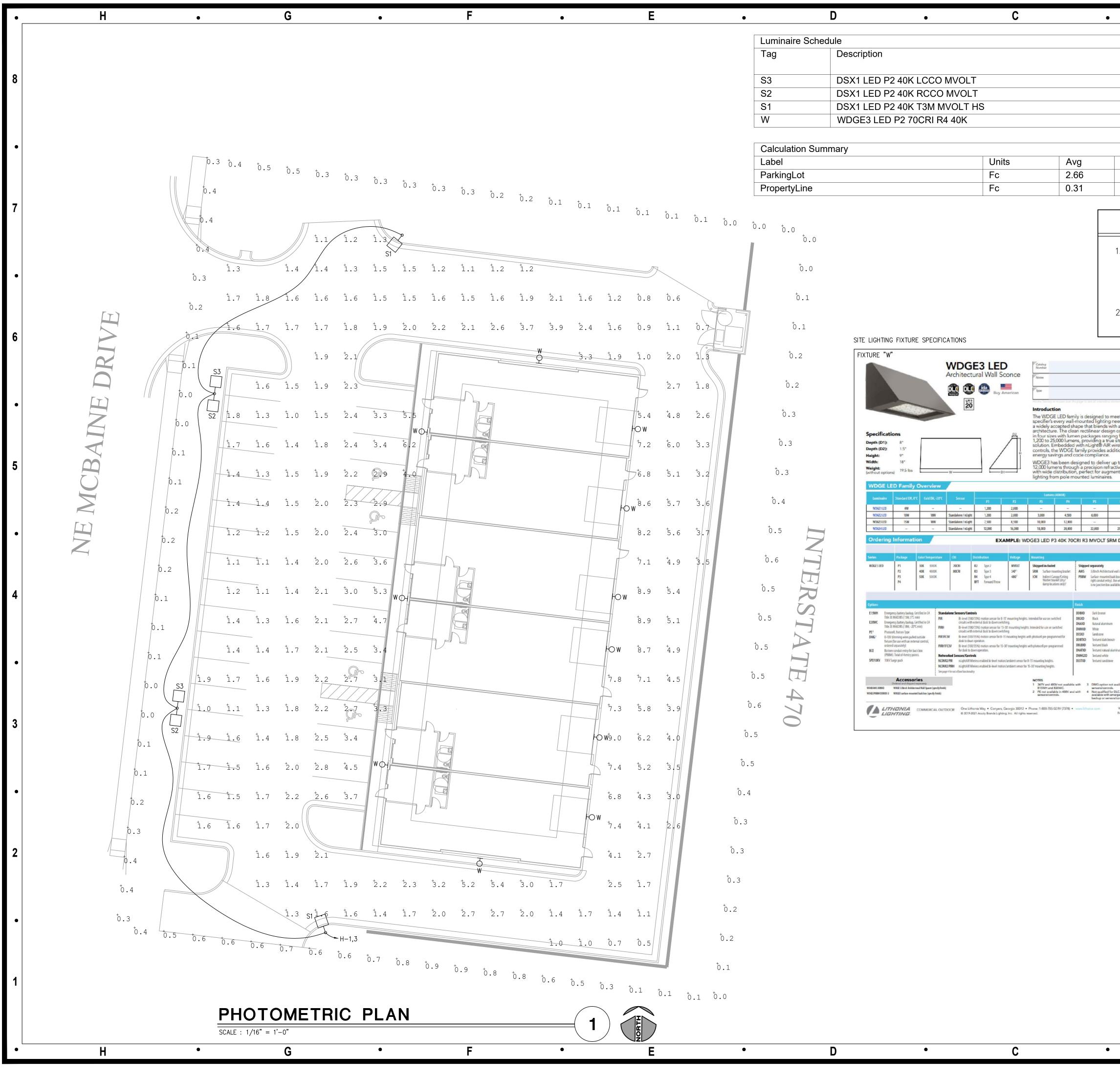
С



С

L		
L		
L		
L		
L		
L		
L		
L		
L		
L		
L		
L		
L		

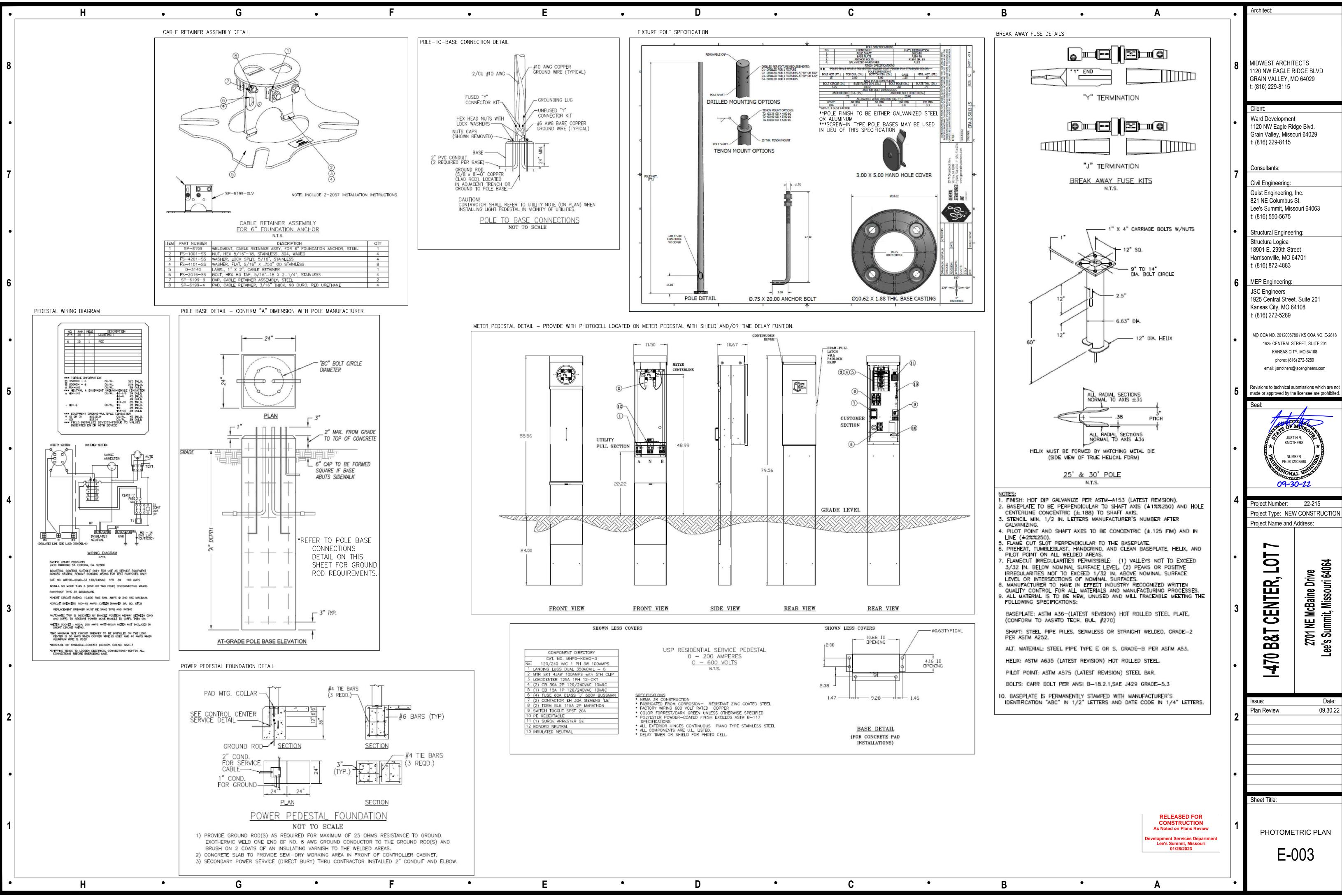
•	В •	Α	•	Architect:
	SYMBOLS LEGEN	ID		
	NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYN ARE NECESSARILY USED ON THE DRAWINGS		8	MIDWEST ARCHITECTS
LIGHTING I	FIXTURES - SYMBOL/LETTER INDICATES LIGHT FIXTURE AS INDICAT			1120 NW EAGLE RIDGE BLVD GRAIN VALLEY, MO 64029
	LED FIXTURE (SEE LIGHTING FIXTURE SCHEDULE)			t: (816) 229-8115 Client:
	FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT		•	Ward Development 1120 NW Eagle Ridge Blvd.
0 0 0 0 0 0 0 0 0 0 0	TRACK LIGHT DOWNLIGHT FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT WALL MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT			Grain Valley, Missouri 64029 t: (816) 229-8115
Ø O	PENDANT MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER U	JNIT	7	Consultants:
о Д	WALL MOUNTED FIXTURE PENDANT MOUNTED FIXTURE			Civil Engineering: Quist Engineering, Inc.
lacksquare	WALL WASHER			821 NE Columbus St. Lee's Summit, Missouri 64063
⊗ ⊗	SINGLE FACE EXIT SIGN — UNIVERSAL MOUNTED SINGLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS — UNIVERSAL MTD			t: (816) 550-5675
	DOUBLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS - UNIVERSAL MTD		•	Structural Engineering: Structura Logica
	DUAL HEADED EMERGENCY UNIT COMBO DUAL HEADED EMERGENCY AND EXIT SIGN UNIT			18901 E. 299th Street Harrisonville, MO 64701
LIGHTING				t: (816) 872-4883
S	SINGLE POLE SWITCH @ +48" UNLESS NOTED		6	MEP Engineering: JSC Engineers
Sabc S3	SWITCH BANK @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED. 3-WAY SWITCH @ +48" UNLESS NOTED			1925 Central Street, Suite 201 Kansas City, MO 64108
S4	4-WAY SWITCH @ +48" UNLESS NOTED			t: (816) 272-5289
Sd Sm	DIMMER SWITCH – SIZE AS REQUIRED @ +48" UNLESS NOTED MANUAL MOTOR STARTER			MO COA NO. 2012006786 / KS COA NO. E-2818
Sos	WALL SWITCH WITH OCCUPANCY SENSOR. DIGITAL LOW VOLTAGE +48" UNLESS NOTED.	WALL SWITCH. SWITCH @		1925 CENTRAL STREET, SUITE 201 KANSAS CITY, MO 64108
Slv	TWO BUTTON DIGITAL LOW VOLTAGE WALL SWITCH. PROVIDES ON @ +48" UNLESS NOTED. PROVIDE EXTRA CONTROL CABLES NEED			phone: (816) 272-5289 email: jsmothers@jscengineers.com
(05) (PP)	LIGHTING CONTROLS CEILING MOUNT OCCUPANCY SENSOR LIGHTING CONTROLS POWER PACK		5	Revisions to technical submissions which are not made or approved by the licensee are prohibited.
PC	PHOTOCELL			Seal:
	TIMECLOCK <u>STRIBUTION</u>			Auto to a
	SWITCHBOARD, MOTOR CONTROL CENTER OR DISTRIBUTION BOARD)		JUSTIN R.
	277/480V, 3 PHASE, 4 WIRE PANELBOARD, UNO 120/208V, 3 PHASE, 4 WIRE PANELBOARD, UNO		•	
	120/240V, 1 PHASE, 3 WIRE PANELBOARD, UNO			PE-2012003568
T POWER DE				09-30-22
	SPECIAL HEAVY DUTY RECEPTACLE – SIZE AS NOTED.		4	Project Number: 22-215
æ	© +18" UNLESS NOTED 1/2 SWITCHED RECEPTACLE © +18" UNLESS NOTED			Project Type: NEW CONSTRUCTION
\odot	FIRE RATED POKE THRU WITH TYPE INDICATED			Project Name and Address:
\bullet	FLUSH FLOOR BOX WITH TYPE INDICATED SINGLE RECEPTACLE @ +18" UNLESS NOTED			
⊕	DUPLEX RECEPTACLE @ +18" UNLESS NOTED DOUBLE DUPLEX RECEPTACLE @ +18" UNLESS NOTED		•	01 01
\$ =	DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP			R , L Drive
GFI GFI	GFCI-RATED DUPLEX RECEPTACLE			TEI aine l
⊂ AF ⊖= TR	TAMPER RESISTANT RATED DUPLEX RECEPTACLE		3	3&T CENTER, LOT 7 2701 NE McBaine Drive 's Summit, Missouri 64064
⊕ ₩P	DUPLEX RECEPTACLE WITH WEATHERPROOF COVERPLATE © 18" UNLESS NOTED			
\bigcirc	JUNCTION BOX			B&T CENTER, LO 2701 NE McBaine Drive ee's Summit, Missouri 64064
⊠ L	DISCONNECT SWITCH - SIZE AND TYPE NOTED COMBINATION FUSED STARTER DISCONNECT SWITCH FUSE SIZE AS	S INDICATED, STARTER SIZE '1'		-470 B&T (2701 NI Lee's Sum
	SYSTEMS			
EF 1	MECHANICAL EQUIP. CONNECTION, SEE SCHED. ON MECH. PLAN			
	TELEPHONE OUTLET@ +18" UNLESS NOTED		2	Issue:Date:Plan Review09.30.22
ightarrow	DATA OUTLET @ +18" UNLESS NOTED COMBINATION TELEPHONE/DATA OUTLET @ +18" UNLESS NOTED		4	
Т	TELEVISION OUTLET @ +60" UNLESS NOTED			
	SMOKE DETECTOR HEAT DETECTOR			
)	DUCT SMOKE DETECTOR		•	
RI	REMOTE TEST STATION WITH INDICATING LIGHT. MOUNT AT 48" A	RELEASED FOR		Shoot Title:
<u>GENERAL</u>	AUXILIARY SYSTEM TERMINAL CABINET	CONSTRUCTION As Noted on Plans Review		Sheet Title:
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING	Development Services Department Lee's Summit, Missouri 01/26/2023	1	ELECTRICAL
	CONDUIT RUN BELOW FLOOR OR GRADE			SPECIFICATIONS AND SYMBOLS
P1-3,5,7	HOMERUN TO PANELBOARD, INFORMATION AT ARROWS ARE CIRCU FOR TERMINATION. REFER TO ASSOCIATED NOTE FOR BRANCH CIP DENOTES EXISTING ITEM /FOURPMENT TO REMAIN			E-001
UN EIK:	DENOTES EXISTING ITEM/EQUIPMENT TO REMAIN			
•	В •	Α	•	

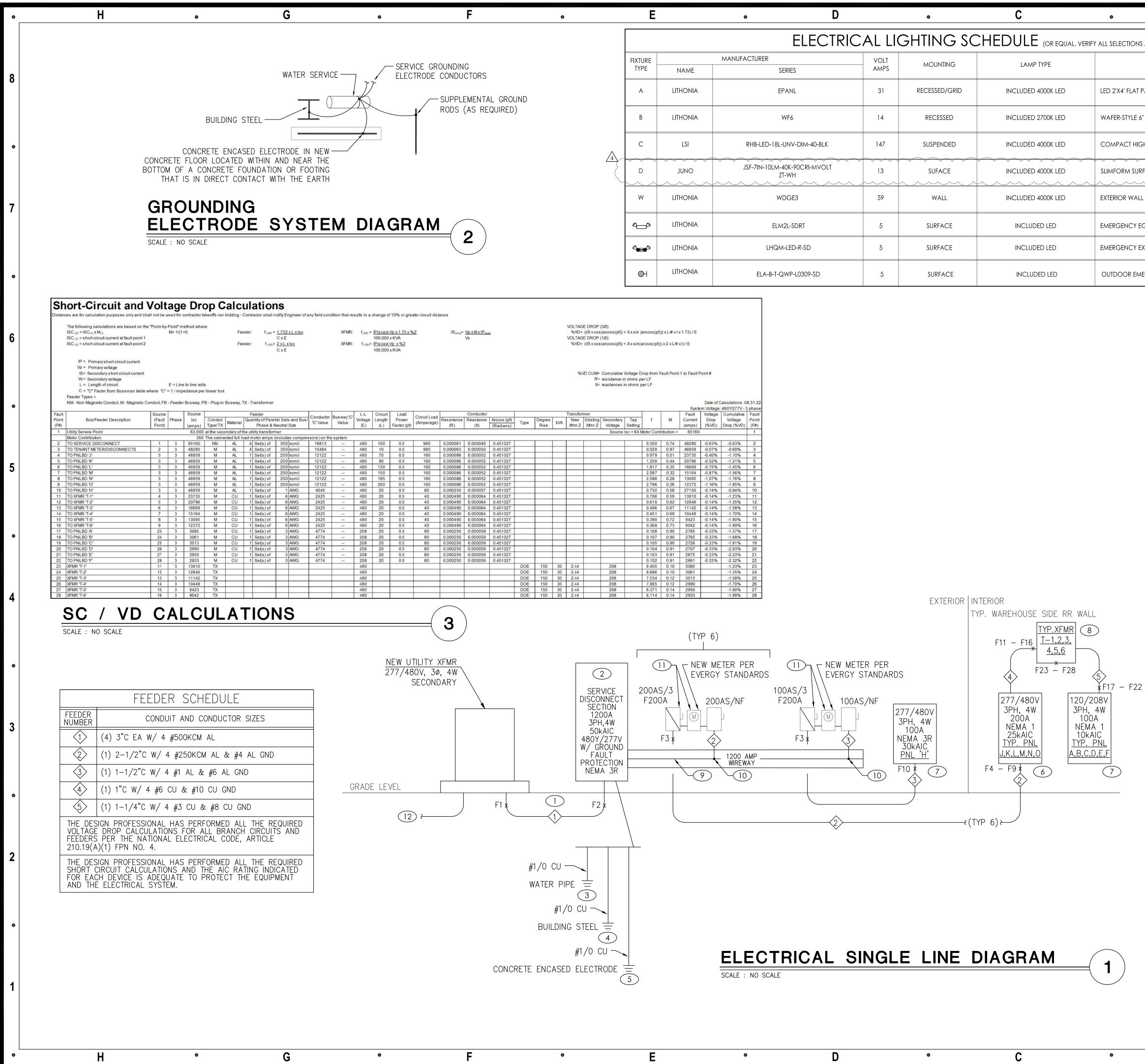


Calculation	Summary
-------------	---------

	D		0					Δ		Architect:	
	D	•	C	•	В	•		Α	•		
Luminaire Scheo						LLF	Luminoiro	Luminaire			
Tag	Description						Luminaire Lumens	Luminaire Watts			
S3	DSX1 LED P2 40K					0.800	5429	70	8	MIDWEST ARCHIT 1120 NW EAGLE R	NDGE BLVD
S2 S1	DSX1 LED P2 40K		}			0.800	5429 7002	70 70		GRAIN VALLEY, M t: (816) 229-8115	
W	WDGE3 LED P2 7					0.800	8779	59.2761			
						· · · · · · · · · · · · · · · · · · ·				Client: Ward Developmen	
Calculation Sum	mary		Units	Avg Max	Min	Max/Min				1120 NW Eagle Rid Grain Valley, Misso	dge Blvd. ouri 64029
ParkingLot			Fc	2.66 9.0	0.5	18.00				t: (816) 229-8115	
PropertyLine			Fc	0.31 0.9	0.0	N.A.				Consultants:	
					C				7	Civil Engineering:	
[•] 0.0 [•] 0.0 [•] 0.0					0		NUILS			Quist Engineering, 821 NE Columbus	
					LL WORK SHALL COM)F	Lee's Summit, Miss t: (816) 550-5675	
⁺ 0.0				A	ANSAS CITY METROP SSOCIATION, CONSTRU	JCTION & MATERIAL	_ SPECIFICATION,	THE SECTION 5800 -		Structural Engineer	ina [.]
[†] 0.1					TREET LIGHTING OF T PPLICABLE LEE'S SUN			N CRITERIA, AND ALI		Structura Logica 18901 E. 299th Stru	
U.1					LL ELECTRICAL/COND			BACKFILLED WITH		Harrisonville, MO 6	
[†] 0.1					B-3 OR FLOWABLE F					t: (816) 872-4883	
t	SITE LIGHTING FIXTUR	RE SPECIFICATIONS			•	- <i>"</i>			6	MEP Engineering: JSC Engineers	
⁺ 0.2	FIXTURE "W"	WDGE3			FIXTURES "S1/S2/S	D-Series	Size 1 Inter			1925 Central Stree Kansas City, MO 6	
⁺ 0.2		Architectural	- Notina			LED Area Lur				t: (816) 272-5289	
+		20	Introduc		d*series			ethograp to us ad interesting piecents.	•	MO COA NO. 20120067 1925 CENTRAL S	86 / KS COA NO. E-2818 IREET, SUITE 201
0.3				GE LED family is designed to meet 's every wall-mounted lighting need in accepted shape that blends with any ure. The clean rectilinear design comes	Specifications		Introducti The modern yet unabtru:	on a styling of the D-Series is striking sive - making a bold, progressive ven as it blends seamlessly with its			Y, MO 64108
0.3	Specifications Depth (D1): 8" Depth (D2): 1.5"		architečti in four siz 1,200 to 2 solution.	ure. The clean rectilinear design comes zes with lumen packages ranging from 25,000 lumens, providing a true site-wide Embedded with nLight® AIR wireless the WDGE family provides additional avings and code compliance.	EPA: 1.01 ft ² (still er) Length: 33*		environmen of the latest	ven as it blends seamlessly with its t. The D-Series distills the benefits in LED technology into a high e, high efficacy, long-life luminaire.)jscengineers.com
	Height: 9* Width: 18*		WDGE3	the WDGE family provides additional avings and code compliance. has been designed to deliver up to mens through a precision refractive lens e distribution, perfect for augmenting the	Width: 13" (1.5 m) (1.5 m) Height H1: 7-1/2" (1.5 m) (1.5 m)		The outstan	ding photometric performance as with excellent uniformity, greater	5		ubmissions which are not e licensee are prohibited.
⁺ 0.3	Weight: (without options) 19.5 lbs WDGE LED Family		D1 12,000 lu with wide lighting f	mens through a precision retractive tens e distribution, perfect for augmenting the from pole mounted luminaires.	Height H2: 3-1/2* Weight (max): 27 lbs 0121g		ideal for rep pedestrian a typical energy	g and lower power density. It is lacing up to 750W metal halide in and area lighting applications with gy savings of 65% and expected of over 100,000 hours.		made or approved by the Seal:	
⁺ 0.4	Luminaire Standard EM.	, O"C Cald EN, -20"C Sensor	P1 P2 P3	ens (400010) P4 P5 P5			service life o	n over 100,000 hours.		Autos	
	WDGE1 LED 4W WDGE2 LED 10W WDGE3 LED 15W	18W Standalone/nLight	1,200 2,000 1,200 2,000 3,000 7,500 8,500 10,000	 4.500 6.000 12,000	Ordering Informat	tion EXAI	MPLE: DSX1 LED P7 40K T3M N	IVOLT SPA NLTAIR2 PIRHN DDBXD		JUST	IN R.
[†] 0.5	WDGE41ED - Ordering Informa	- Stanšalone/nLight	12,000 16,000 18,000	20,000 22,000 25,000 P3 40K 70CRI R3 MVOLT SRM DDBXD	Series LEDs DSX1 LED Forward optics	Cofor temperature Distribution 30K 3000 K TIS lypelshort	Voltage TSVS TypeV very short ¹ MVOLT ¹	Mounting Shipped included	•	SMOT)**
[†] 0.6	Series Package	Color Temperature CRI Distribu				P7* 40X 40X0 K (Automotive) P8 50K 5000 K T25 Type II short P9* T2M Type II short T35 Type II short	TSS Type V short ¹ XVOIT TSM Type V medium ¹ (2777V-486VY) ⁴⁻⁽³⁴) TSW Type V wide ¹ 120 ¹⁰ BLC Backlight control ¹⁰ 208 ¹⁰	SPA Square pole mounting BPA Round pole mounting WBA Wall bracket ¹¹ Spurse pole universal mounting adaptor ¹¹		PE-2012	003568
R	WDGE31ED P1 P2 P3	50K 5000K 84	Type 3 347* SRM Surface Type 4 480* TOW Indirect	emounting bracket AWS 1/Binch Architectural wall spacer t Caropy/Keiling PBBW Surface-mounted back box (top, left,	P10 ¹ P12 ¹ P11 ³ P13 ¹¹	T3M Type II medium	LCC0 Left romer cutoff * 280 * 277 * 277 * 347 * 347 * 480 *	RPUNBA Round pole universal mounting adaptor * Shipped separately KMAB DOBUD U Mait am meunting bracket adaptor (acedity finish) ¹¹		09-3	LEESE .
[†] 0.5	N	I III		rbacket (by)/ locations cm/y/ is no junction box available.			I I		4	Project Number:	22-215
[†] 0.5	Options E1SWH Emergency battery backup Title 20 MAEDBS (1SW, ST		ation sensor for R-15' mounting heights, intended for use on	Finish D0B/D Dark browe switched DBU/D Black	Control options Shipped installed NLTNIR2 rLgitt AIR generation 2 end	bled ⁽¹⁾ ambient serv		nstalled DD6XD Dark bronze se-side shield ²⁷ DBLXD Black		Project Type: NEV	V CONSTRUCTION
	E20WC Emergency barrery backup Title 20 MAEDBS (18W, -2 PE ² Photocell, Button Type	(p, Certified in CA circuits with external 20°C min) PIBH B-level (100/15%) m circuits with external	seen server no a -12 meaning neights, intended for use on dask to dawnswitching, dask to dawnswitching, dash of the server of the second of the second dask to dawnswitching oteo senser for i8-15 mounting heights with photocell per-pro	n switched DNAXD Natural aluminum DWHXD White DSXD Sandstone	PERS Five-pin receptacle only (con	antisent see anty (controls ordered separate) ¹¹ PIRTFCIV Heb/low, m antibient see antisent see	sor enabled at Str ^{2,07} otion/anbient sensor, 8-15'mounting height, sor enabled at 1k ^{-3,07}	gle fise (178), 277, 367Y)* DNAXID Natural aluminum bble fixe (208, 240, 480V)* DWHKD White rotated optics ¹ D087XD Textured dark bronze it incased optics ² DBLEXD Textured Mark		Project Name and	Address:
[†] 0.5	DMG ¹ 0-107 dimming wires put finiture (for use with an es ordered separately) BCE Bottom randuit entry for (PBBN). Total of 4 entry p	sternal control, dusk to dawn operatio PIRH1FC3V B-level (100/15%) m t back box for dusk to dawn oper	n. otion sensor for 15-30' mounting heights with photocell pre-pr	DOBIXO Textured dark bronze		foutside foture (for use with an ambient serv	sor enabled at 1k ^{abi} HA 50 th blie outpun ^{abit} BAA Buy Shipped s	Cambient operations ¹ DNATXD Textured valuata America (n) Act Compliant eparately DWHGXD Textured white			
	SPD10KV 10kV Surge pack	NETAIR2 PIR rEightAIR Wheless era	bied bi-level mation/ambient sensor for 8-15 maunting heigh bied bi-level mation/ambient sensor for 15-30 mounting heig	its. DSSTXD Textured sanditione			ES Bird EGS Enri	spikes ** mai glae shekd	•	LOT	64
0.5	Accesse Colored and shape WDEEXES DOEXD WDEE X0mb Arbit WDEEXERD DOEXD U WDEE pream DOEXD U	end separately sitectoral Walt Spacer (specify finish)	E15WH ar	450V not available with 3 DMG option not available with sensors/comtrols. allobis in 459V and with 4 Not qualified for DLC. Not							irive i 64064
⁵ .6		COMMERCIAL OUTDOOR One Lithonia W	semiors/cc ey • Conyers, Georgie 30012 • Phone: 1-800-70	nitrols. available with emergiancy battery backup or sensors/controls DSSERV (7378) • vessilshonia.com WDGE31ED		One Lithonia Way • Conyers, Georgia 30012 © 2011-2021 Acuty Branck Lighting, Inc. All right	Phone: 1-800-705-SERV (7378) www.lithonia. s rearved.	DSX1-LED Rex. 07/19/21		CENTER,	McBaine Drive it, Missouri 64
0^{r}	LIGHTING	© 2019-2021 Acu	ty Brands Lighting, Inc. All rights reserved.	Rev. 06/31/21	COMMERCIAL OUTDOOR	a to receive any grant of the first first second		Pege tof8	3		AcBa t, Mis
).5											01 NE Mc Summit,
.5										Ser La	2701 NE 9's Summ
											27 Lee's
4									•	I-470 B&T	
										Issue:	Date:
									2	Plan Review	09.30.22
									•		
										Sheet Title:	
								RELEASED FOR CONSTRUCTION			
								As Noted on Plans Review Development Services Departme	ent 1	РНОТОМЕ	TRIC PLAN
								Lee's Summit, Missouri 01/26/2023			
										E-()02
	-										
	D	•	C	•	В	•		Α	•		







	E		• D		•	C	٩	В	۹	Α				
		ELECTRICAL LIGHTING SCHEDULE (OR EQUAL. VERIFY ALL SELECTIONS AND FINISHES WITH OWNER AND ARCHITECT PRIOR TO ORDERING).												
	FIXTURE TYPE	NAME	MANUFACTURER	VOLT AMPS	MOUNTING	LAMP TYPE			REMARKS	VOLT				
	A	LITHONIA	EPANL	31	RECESSED/GRID	INCLUDED 4000K LED	LED 2'X4' FLAT PAN	EL - 4000LM OUTPUT HIGH EFFICIEN	NCY	MVOLT				
	В	LITHONIA	WF6	14	RECESSED	INCLUDED 2700K LED	WAFER-STYLE 6" LEE	'AFER-STYLE 6'' LED DOWNLIGHT						
4	С	LSI	RHB-LED-18L-UNV-DIM-40-BLK	147	SUSPENDED	INCLUDED 4000K LED	COMPACT HIGH-BAY LED WAREHOUSE FIXTURE - 18000 LUMEN OUTPUT							
	D		JSF-7IN-10LM-40K-90CRI-MVOLT ZT-WH	13	SUFACE	INCLUDED 4000K LED	SLIMFORM SURFAC	E MOUNT 7" LED DOWNLIGHT		MVOLT	\rangle			
	W	LITHONIA	WDGE3	59	WALL	INCLUDED 4000K LED	EXTERIOR WALL PA	CK - P2 PACKAGE - PROVIDE WITH	I 'PE' PHOTOCELL OPTION	MVOLT				
		LITHONIA	ELM2L-SDRT	5	SURFACE	INCLUDED LED	EMERGENCY EGRE	ss lighting unit with 90 min. Ba	TTERY PACK	120				
		LITHONIA	LHQM-LED-R-SD	5	SURFACE	INCLUDED LED	EMERGENCY EXIT EGRESS COMBO LIGHTING UNIT WITH RED FACE EXIT SIGN AND 90 MIN. BATTERY PACK							
	ØH	LITHONIA	ELA-B-T-QWP-L0309-SD	5	SURFACE	INCLUDED LED	OUTDOOR EMERG	ENCY REMOTE EGRESS LIGHTING I	JNIT	120				

Faul	Cumulative	Voltage	Fault			Transformer						
Point (F#)	Voltage Drop (%VD)	Drop (%VD)	Current (amps)	М	f	Tap Setting	Secondary Voltage	Existing Xfmr Z	New Xfmr Z	kVA	Degree Rise	
1			65160	ibution =	otor Contr	sc + 6X M	Source					
2	-0.63%	-0.63%	48280	0.74	0.350							Ī
3	-0.69%	-0.07%	46959	0.97	0.028				1			
4	-1.10%	-0.40%	23735	0.51	0.979							
5	-1.21%	-0.52%	20796	0.44	1.258		ĺ.	1	Ĵ.	i i		
6	-1.45%	-0.75%	16669	0.35	1.817				1			ļ
7	-1.56%	-0.87%	15164	0.32	2.097							
8	-1.76%	-1.07%	13095	0.28	2.586		ĺ ĺ	<u> </u>	Ĩ.	i i		
9	-1.85%	-1.16%	12372	0.26	2.796							
10	-0.84%	-0.14%	27150	0.58	0.730							
11	-1.23%	-0.14%	13910	0.59	0.706							
12	-1.35%	-0.14%	12846	0.62	0.619				j.			
13	-1.58%	-0.14%	11142	0.67	0.496							
14	-1.70%	-0.14%	10449	0.69	0.451							
15	-1.90%	-0.14%	9423	0.72	0.390		(Ĵ.	l l		
16	-1.99%	-0.14%	9042	0.73	0.368							
17	-1.57%	-0.33%	2785	0.90	0.108	9			1			
18	-1.68%	-0.33%	2765	0.90	0.107							
19	-1.91%	-0.33%	2726	0.90	0.105				1	[]		
20	-2.03%	-0.33%	2707	0.91	0.104							
21	-2.23%	-0.33%	2675	0.91	0.103				1			
22	-2.32%	-0.33%	2661	0.91	0.102			· · · · · · · · · · · · · · · · · · ·	<u></u>]		
23	-1.23%		3085	0.10	9.405	· · · · · · · · · · · · · · · · · · ·	208		2.44	30	150	
24	-1.35%	1	3061	0.10	8.686		208		2.44	30	150	
25	-1.58%		3013	0.12	7.534		208		2.44	30	150	
26	-1.70%	1	2990	0.12	7.065		208		2.44	30	150	
27	-1.90%		2950	0.14	6.371		208		2.44	30	150	
28	-1.99%		2933	0.14	6.114		208		2.44	30	150	

(#) KEYED SLD NOTES

	VERIFY EXACT LOCATION AND REQUIREMENTS WITH UTILITY PRIOR TO ROUGH-IN.
2.	NEW DISCONNECT WITH GROUND FAULT PROTECTION PER UTILITY REQUIREMENTS.
3.	PROVIDE NEW GROUND PER NEC 250.52(A)(1).
4.	PROVIDE NEW GROUND PER NEC 250.52(A)(2).
5.	PROVIDE NEW GROUND PER NEC 250.52(A)(3).
6.	NEW 120/208V PANELBOARD. SEE PANELBOARD SCHEDULES ON SHEET E-302 FOR MORE INFORMATION.
7.	NEW 277/480V PANELBOARD. SEE PANELBOARD SCHEDULES ON SHEET E-302 FOR MORE INFORMATION.
8.	NEW 277/480V PRIMARY, 208/120V SECONDARY, 30KVA, NEMA 1 RATED TRANSFORMER.
0	

PROVIDE NEW CONDUIT AND CONDUCTORS TO UTILITY SOURCE.

- 9. (4) SETS 4#500MCM AL, #4/OG AL EACH.
- 10. WHEN TAPPING WIREWAY FEEDER, PROVIDE TAP ALL PARALLEL SETS.
- 11. MOUNT ON FREE-STANDING UNI-STRUT RACK. COORDINATE EXACT LOCATION WITH UTILITY PRIOR TO ROUGH-IN.
- 12. ROUTE (1) 4" CONDUIT UNDERGROUND FOR PRIMARY CONDUCTOR ROUTING BY UTILITY. COORDINATE EXACT ROUTING WITH UTILITY PRIOR TO CONSTRUCTION.

•

RELEASED FOR CONSTRUCTION As Noted on Plans Review elopment Services Departm Lee's Summit, Missouri 01/26/2023

Α

