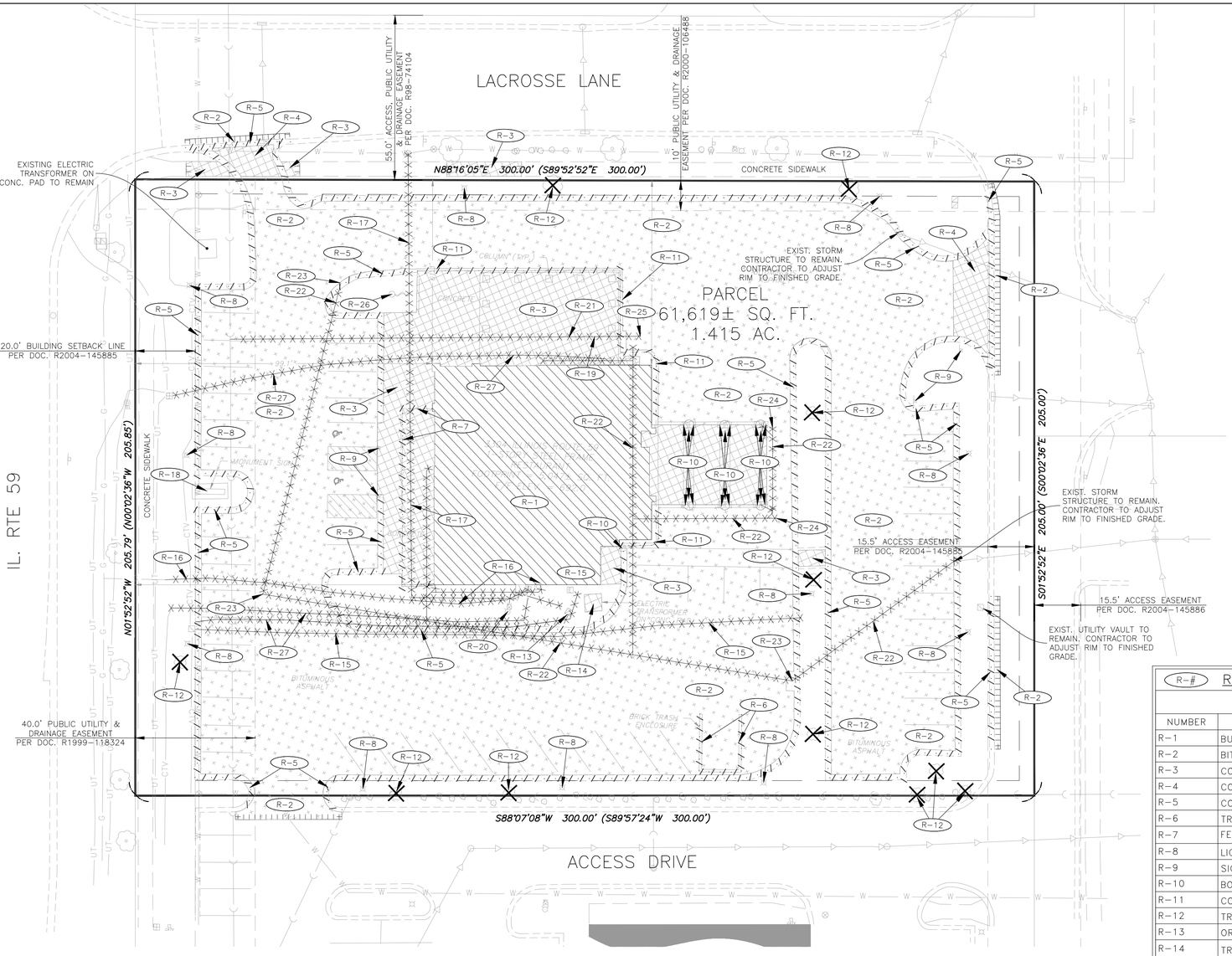


DEMOLITION LEGEND

- INDICATES FULL DEPTH SAWCUT
- INDICATES CONC. SIDEWALK/PAVEMENT REMOVAL (FULL DEPTH)
- INDICATES BIT./ASPHALT REMOVAL (FULL DEPTH)
- INDICATES BUILDING & FOUNDATION REMOVAL
- (R-#) INDICATES MISC. REMOVAL ITEMS (SEE THIS SHEET FOR SIZE AND QUANTITY)
- DENOTES EXIST. CONCRETE CURB & GUTTER/WALL AND FENCE REMOVAL
- DENOTES UTILITIES/HANDRAIL TO BE REMOVED
- INDICATES TREE AND BRUSH REMOVAL (SEE LANDSCAPING PLANS FOR SIZE AND QUANTITY)
- INDICATES TREE AND BRUSH PROTECTION (SEE LANDSCAPING PLANS FOR SIZE AND QUANTITY)

PROJECT NOTES:

- LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES, IN ADDITION TO, NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. (INCLUDING STORM WATER POLLUTION PREVENTION PLAN PER THE DEVELOPMENT CRITERIA.) SEE SHEET C-302 FOR EROSION CONTROL MEASURES)
- ALL EXISTING UTILITIES TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED IN PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
- ALL STRUCTURES & DEBRIS SHALL BE REMOVED PRIOR TO CONSTRUCTION & DISPOSED OF OFFSITE.
- ANY EXISTING FIELD DRAIN TILES ENCOUNTERED SHALL BE RECONNECTED OR CONNECTED TO THE NEAREST STORM SEWER.
- CONTRACTOR TO KEEP ACCESS DRIVE OPEN AT ALL TIMES WITH MINOR CLOSINGS ALLOWED FOR PAVING ACTIVITIES.
- THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
- ALL BITUMINOUS PAVEMENT REMOVAL AREAS SHALL BE SAWCUT.
- CONTRACTOR SHALL INSTALL CONSTRUCTION FENCING AND SIGNAGE AROUND CONSTRUCTION BOUNDARIES TO PROTECT PEDESTRIANS.

(R-#) REMOVAL TAGS

REMOVALS / RELOCATES / ADJUSTMENTS

NUMBER		REMARKS
R-1	BUILDING AND FOUNDATION	REMOVE
R-2	BITUMINOUS PAVEMENT	REMOVE
R-3	CONCRETE SIDEWALK	REMOVE
R-4	CONCRETE PAVEMENT	REMOVE
R-5	CONCRETE CURB & GUTTER	REMOVE
R-6	TRASH ENCLOSURE	REMOVE
R-7	FENCE/GATE	REMOVE
R-8	LIGHT POLE	REMOVE
R-9	SIGN	REMOVE
R-10	BOLLARD	REMOVE
R-11	CONCRETE CURB	REMOVE
R-12	TREE	REMOVE
R-13	ORDER POINT & FOUNDATION	REMOVE
R-14	TRANSFORMER & PAD	REMOVE (COORDINATE W/ UTILITY COMPANY)
R-15	ELECTRIC METER & SERVICE LINE	REMOVE (COORDINATE W/ UTILITY COMPANY)
R-16	GAS METER & SERVICE LINE	REMOVE
R-17	WATER SERVICE LINE	REMOVE
R-18	MONUMENT SIGN AND FOUNDATION	REMOVE
R-19	GREASE TRAP	REMOVE
R-20	FIRE HYDRANT & VALVE BOX	REMOVE
R-21	SANITARY SERVICE LINE	REMOVE
R-22	STORM SEWER	REMOVE
R-23	STORM STRUCTURE	REMOVE
R-24	STORM CLEANOUT	REMOVE
R-25	SANITARY CLEANOUT	REMOVE
R-26	FLAG POLE	REMOVE
R-27	TELEPHONE SERVICE LINE	REMOVE

TRAFFIC CONTROL NOTES:

- ALL APPLICABLE CITY PERMITS, INCLUDING BUT NOT LIMITED TO CLOSURE PERMITS, SHALL BE OBTAINED PRIOR TO ANY CONSTRUCTION WITHIN CITY ROW OR LANE CLOSURES.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- PERMANENT SIGNING THAT CONVEYS A MESSAGE CONTRARY TO THE MESSAGE OF TEMPORARY SIGNING AND NOT APPLICABLE TO THE WORKING CONDITIONS SHALL BE COVERED BY THE CONTRACTOR WHEN DIRECTED BY THE CITY.
- THE CONTRACTOR SHALL COORDINATE HIS TRAFFIC CONTROL WITH OTHER CONSTRUCTION PROJECTS IN THE AREA.
- SIDEWALK CLOSED SIGNS REQUIRED FOR ALL SIDEWALK CLOSURES.
- THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.

STAGING NOTES:

(STAGING SUBJECT TO CHANGES PER SITE CONTRACTORS SCHEDULE AND METHODS OF OPERATION)

1. EROSION CONTROL MEASURES AND STOCKPILE STAGING
2. CONSTRUCTION ENTRANCE
3. PLAN REMOVALS
4. PROPOSED UNDERGROUND
5. GRADING
6. PAVING

NORTH

0 20'
1" = 20'

BAR IS ONE INCH ON OFFICIAL DRAWINGS
0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY

PRELIMINARY
NOT FOR CONSTRUCTION

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

HRGreen
HRGreen.com

CHICK-FIL-A
ROUTE 59 & LACROSSE LN. (IL) DTO
3320 S. ILLINOIS ROUTE 59
NAPERVILLE, IL 60564

FSR# 05844

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	08/16/24	ISSUED FOR PERMIT

PRELIMINARY

ENGINEER'S PROJECT # 2402052
PRINTED FOR PRELIMINARY
DATE 09/16/2024
DRAWN BY: MRJ
CHECKED BY: JFV

SHEET
SITE DEMOLITION PLAN

SHEET NUMBER
C-100

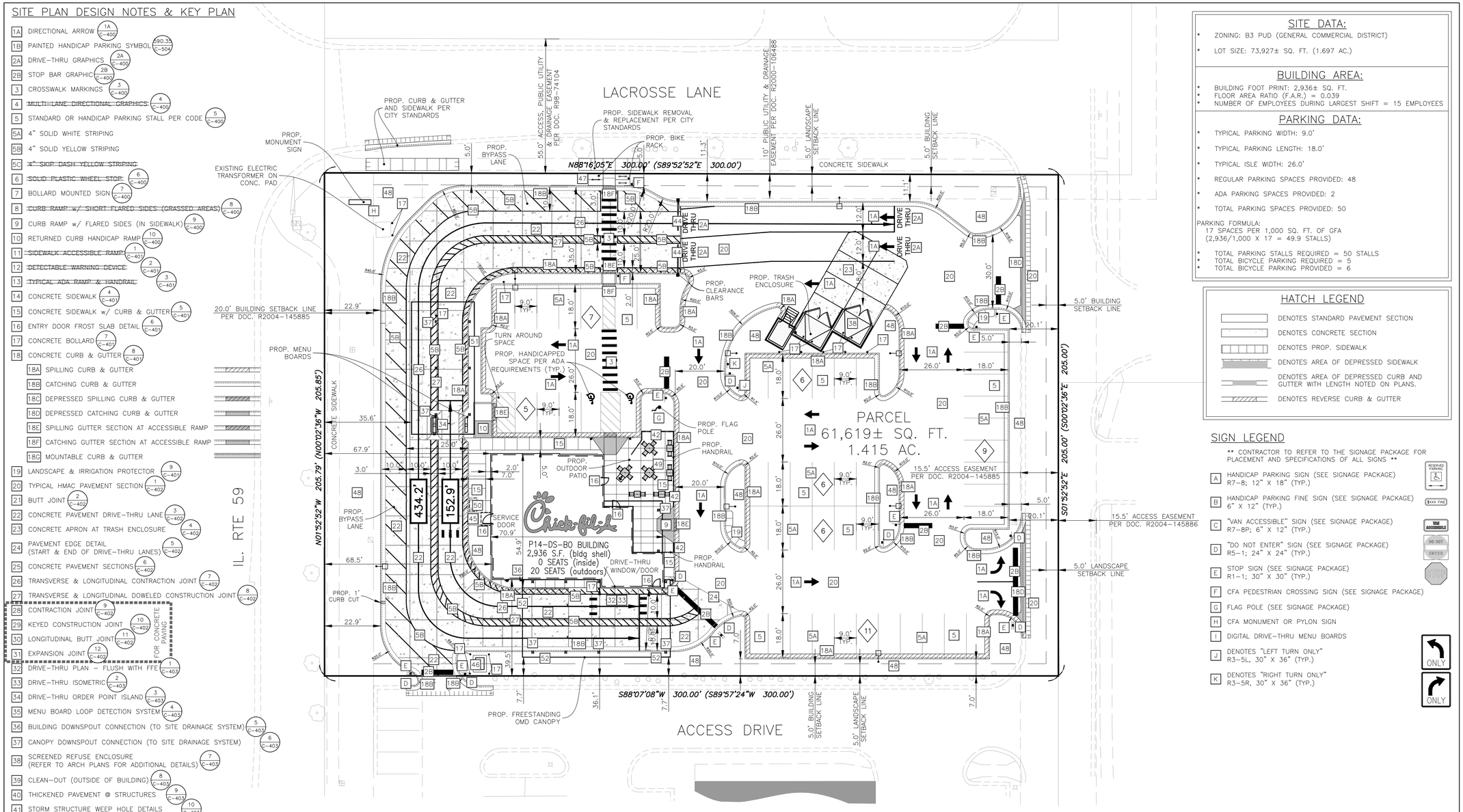
SITE PLAN DESIGN NOTES & KEY PLAN

1A DIRECTIONAL ARROW (1A C-400)
1B PAINTED HANDICAP PARKING SYMBOL (B90.3S C-504)
2A DRIVE-THRU GRAPHICS (2A C-400)
2B STOP BAR GRAPHIC (2B C-400)
3 CROSSWALK MARKINGS (3 C-400)
4 ~~MULTI-LANE DIRECTIONAL GRAPHICS~~ (4 C-400)
5 STANDARD OR HANDICAP PARKING STALL PER CODE (5 C-400)
5A 4" SOLID WHITE STRIPING
5B 4" SOLID YELLOW STRIPING
5C ~~4" SKIP DASH YELLOW STRIPING~~
6 ~~SOLID PLASTIC WHEEL STOP~~ (6 C-400)
7 BOLLARD MOUNTED SIGN (7 C-400)
8 ~~CURB RAMP w/ SHORT FLARED SIDES (GRASSED AREAS)~~ (8 C-400)
9 CURB RAMP w/ FLARED SIDES (IN SIDEWALK) (9 C-400)
10 RETURNED CURB HANDICAP RAMP (10 C-400)
11 ~~SIDEWALK ACCESSIBLE RAMP~~ (1 C-401)
12 ~~DETECTABLE WARNING DEVICE~~ (2 C-401)
13 ~~TYPICAL ADA RAMP & HANDRAIL~~ (3 C-401)
14 CONCRETE SIDEWALK (4 C-401)
15 CONCRETE SIDEWALK w/ CURB & GUTTER (5 C-401)
16 ENTRY DOOR FROST SLAB DETAIL (6 C-401)
17 CONCRETE BOLLARD (7 C-401)
18 CONCRETE CURB & GUTTER (8 C-401)
- 18A SPILLING CURB & GUTTER
- 18B CATCHING CURB & GUTTER
- 18C DEPRESSED SPILLING CURB & GUTTER
- 18D DEPRESSED CATCHING CURB & GUTTER
- 18E SPILLING GUTTER SECTION AT ACCESSIBLE RAMP
- 18F CATCHING GUTTER SECTION AT ACCESSIBLE RAMP
- 18G MOUNTABLE CURB & GUTTER

19 LANDSCAPE & IRRIGATION PROTECTOR (9 C-401)
20 TYPICAL HMAC PAVEMENT SECTION (1 C-402)
21 BUTT JOINT (2 C-402)
22 CONCRETE PAVEMENT DRIVE-THRU LANE (3 C-402)
23 CONCRETE APRON AT TRASH ENCLOSURE (4 C-402)
24 PAVEMENT EDGE DETAIL (START & END OF DRIVE-THRU LANES) (5 C-402)
25 CONCRETE PAVEMENT SECTIONS (6 C-402)
26 TRANSVERSE & LONGITUDINAL CONTRACTION JOINT (7 C-402)
27 TRANSVERSE & LONGITUDINAL DOWELED CONSTRUCTION JOINT (8 C-402)
28 CONTRACTION JOINT (9 C-402)
29 KEYED CONSTRUCTION JOINT (10 C-402)
30 LONGITUDINAL BUTT JOINT (11 C-402)
31 EXPANSION JOINT (12 C-402)

FOR CONCRETE PAVING

32 DRIVE-THRU PLAN - FLUSH WITH FFE (1 C-403)
33 DRIVE-THRU ISOMETRIC (2 C-403)
34 DRIVE-THRU ORDER POINT ISLAND (3 C-403)
35 MENU BOARD LOOP DETECTION SYSTEM (4 C-403)
36 BUILDING DOWNSPOUT CONNECTION (TO SITE DRAINAGE SYSTEM) (5 C-403)
37 CANOPY DOWNSPOUT CONNECTION (TO SITE DRAINAGE SYSTEM) (6 C-403)
38 SCREENED REFUSE ENCLOSURE (REFER TO ARCH PLANS FOR ADDITIONAL DETAILS) (7 C-403)
39 CLEAN-OUT (OUTSIDE OF BUILDING) (8 C-403)
40 THICKENED PAVEMENT @ STRUCTURES (9 C-403)
41 STORM STRUCTURE WEEP HOLE DETAILS (10 C-403)
42 ALUMINUM HANDRAIL (REFER TO ARCH PLANS)
43 OMITTED
44 DRIVE-THRU CLEARANCE BAR (REFER TO SIGNAGE PACKAGE)
45 GREASE TRAP
46 PROPOSED TRANSFORMER
47 BIKE RACK
48 LANDSCAPED AREA
49 TYPICAL LOCATION FOR OUTDOOR TABLES (REFER TO ARCH PLANS)
50 CONCRETE PAD FOR OPTIONAL CASH STATION
51 FREE-STANDING ORDER POINT CANOPY
52 FREE-STANDING OUTSIDE MEAL DELIVERY CANOPY



SITE DATA:

- ZONING: B3 PUD (GENERAL COMMERCIAL DISTRICT)
- LOT SIZE: 73,927± SQ. FT. (1.697 AC.)

BUILDING AREA:

- BUILDING FOOT PRINT: 2,936± SQ. FT.
- FLOOR AREA RATIO (F.A.R.) = 0.039
- NUMBER OF EMPLOYEES DURING LARGEST SHIFT = 15 EMPLOYEES

PARKING DATA:

- TYPICAL PARKING WIDTH: 9.0'
- TYPICAL PARKING LENGTH: 18.0'
- TYPICAL ISLE WIDTH: 26.0'
- REGULAR PARKING SPACES PROVIDED: 48
- ADA PARKING SPACES PROVIDED: 2
- TOTAL PARKING SPACES PROVIDED: 50

PARKING FORMULA:
17 SPACES PER 1,000 SQ. FT. OF GFA
(2,936/1,000 X 17 = 49.9 STALLS)

- TOTAL PARKING STALLS REQUIRED = 50 STALLS
- TOTAL BICYCLE PARKING REQUIRED = 5
- TOTAL BICYCLE PARKING PROVIDED = 6

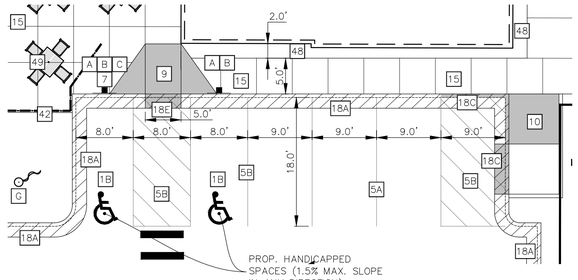
HATCH LEGEND

- DENOTES STANDARD PAVEMENT SECTION
- DENOTES CONCRETE SECTION
- DENOTES PROP. SIDEWALK
- DENOTES AREA OF DEPRESSED SIDEWALK
- DENOTES AREA OF DEPRESSED CURB AND GUTTER WITH LENGTH NOTED ON PLANS.
- DENOTES REVERSE CURB & GUTTER

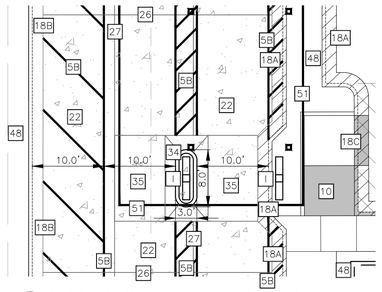
SIGN LEGEND

** CONTRACTOR TO REFER TO THE SIGNAGE PACKAGE FOR PLACEMENT AND SPECIFICATIONS OF ALL SIGNS **

A HANDICAP PARKING SIGN (SEE SIGNAGE PACKAGE) R7-8; 12" X 18" (TYP.)
B HANDICAP PARKING FINE SIGN (SEE SIGNAGE PACKAGE) 6" X 12" (TYP.)
C "VAN ACCESSIBLE" SIGN (SEE SIGNAGE PACKAGE) R7-8P; 6" X 12" (TYP.)
D "DO NOT ENTER" SIGN (SEE SIGNAGE PACKAGE) R5-1; 24" X 24" (TYP.)
E STOP SIGN (SEE SIGNAGE PACKAGE) R1-1; 30" X 30" (TYP.)
F CFA PEDESTRIAN CROSSING SIGN (SEE SIGNAGE PACKAGE)
G FLAG POLE (SEE SIGNAGE PACKAGE)
H CFA MONUMENT OR PYLON SIGN
I DIGITAL DRIVE-THRU MENU BOARDS
J DENOTES "LEFT TURN ONLY" R3-5L, 30" X 36" (TYP.)
K DENOTES "RIGHT TURN ONLY" R3-5R, 30" X 36" (TYP.)



1 C-200 ADA PARKING STALL LAYOUT DETAIL
SCALE: 1"=10'



2 C-200 ORDER CANOPY LAYOUT DETAIL
SCALE: 1"=10'

NORTH
0 20'
1" = 20'
BAR IS ONE INCH ON OFFICIAL DRAWINGS
0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY

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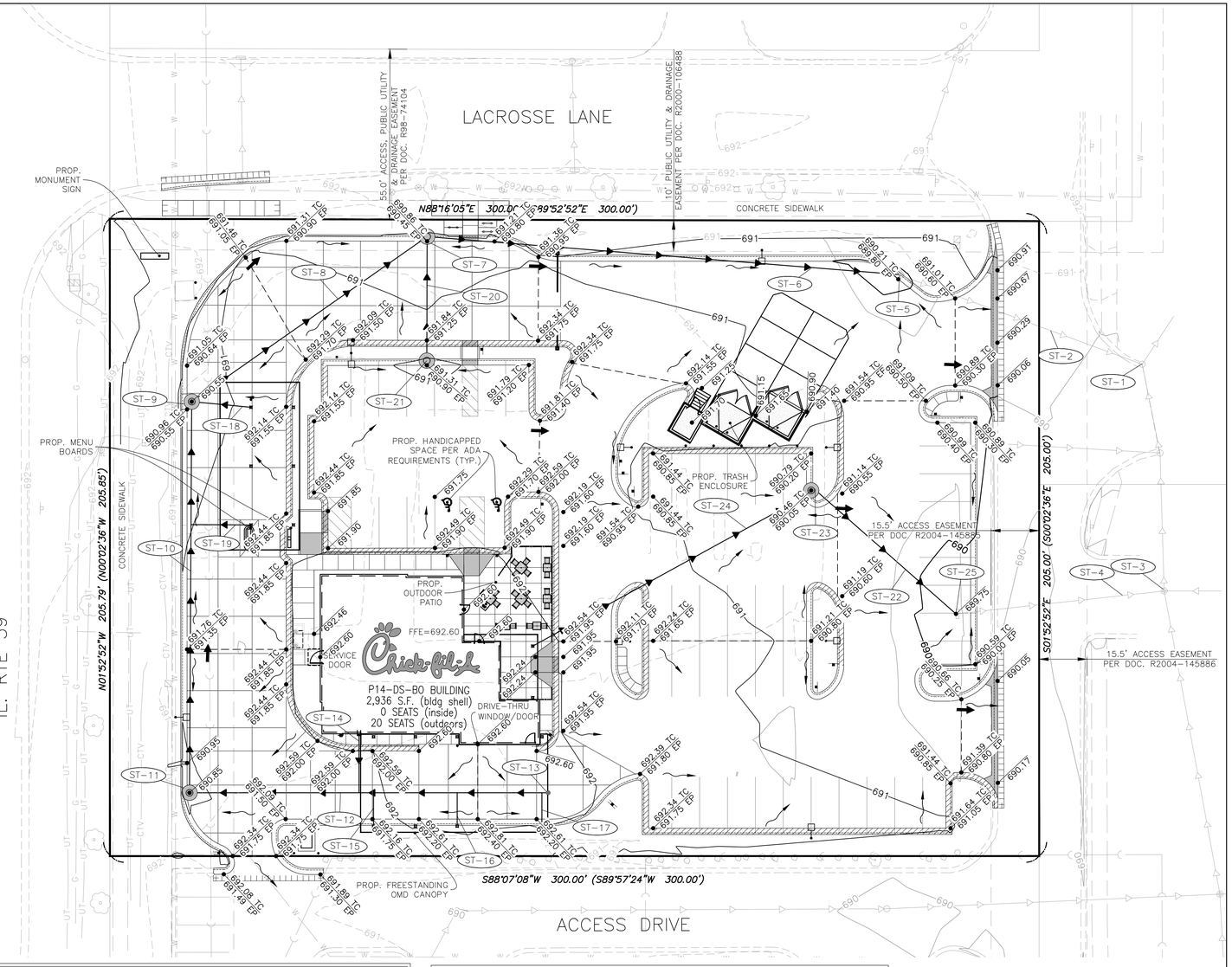
SHEET
SITE PLAN

SHEET NUMBER
C-200

GRADING & DRAINAGE NOTES

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE UTILITY SERVICE SIZES ARE TO BE DETERMINED BY THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND ENSURE PROPER DEPTHS ARE ACHIEVED. THE JURISDICTION UTILITY REQUIREMENTS SHALL ALSO BE MET, AS WELL AS COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME.
2. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL BE SUBMITTED IN COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER OR OWNER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT.
3. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION SHALL BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS.
4. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
5. PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
6. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MINIMUM SLOPE ALONG ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION.
9. IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS.
10. CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING WORK.
11. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
12. SEE EROSION CONTROL PLAN FOR EROSION CONTROL MEASURES AND NOTES.
13. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, & ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. NO ON SITE BURNING WILL BE ALLOWED
14. ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.
15. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
16. GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
17. NO PART OF THE PROPOSED PROJECT IS LOCATED WITHIN A FLOOD HAZARD AREA
18. SPOT ELEVATIONS SHOWN ARE @ EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON PLAN.
19. ALL CONCRETE CURB & GUTTER SHALL BE TYPE B-6.18 CURB UNLESS OTHERWISE NOTED ON THE PLANS.
20. ALL STORM SEWER JOINTS SHALL HAVE O-RING GASKETS.
21. MATCH EXISTING GRADES AT PROPERTY LINES AND/OR CONSTRUCTION LIMITS.
22. BACKFILL TO THE TOP OF CURBS.
23. SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS
24. ALL SIDEWALK CROSS SLOPES SHALL BE A MAXIMUM OF 1.5%.
25. DESIGNATED HANDICAP PARKING AREAS SHALL BE GRADED TO A MAXIMUM OF 1.5%
26. SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING OF PAVEMENT.
27. THE CONTRACTOR SHALL CONFINE HIS GRADING OPERATIONS TO WITHIN CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
28. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
29. ALL FIELD TILES ENCOUNTERED SHALL BE REPLACED AND/OR CONNECTED TO THE STORM SEWER SYSTEM AND LOCATED AND IDENTIFIED ON THE RECORD PLANS BY THE CONTRACTOR.
30. ALL STORM DRAINAGE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT CITY OF NAPERVILLE STANDARDS AND SPECIFICATIONS.



GENERAL NOTES:

- ACCESSIBLE PARKING, RAMPS, AND SIGNAGE SHALL COMPLY WITH ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.
- ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS, NOTHING INDICATED ON THE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
- 1 WEEK PRIOR TO CONSTRUCTION WITHIN CITY OR STATE ROW OR ANY CONNECTION TO PUBLIC SEWERS, CONTRACTOR SHALL NOTIFY THE APPROPRIATE CITY ENGINEERING DIVISION.
- CONTRACTOR TO VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS. PLACE 3/4 INCH EXPANSION JOINT BETWEEN ALL P.C.C. PAVEMENT/ SIDEWALKS AND BUILDING. PLACE 1/2 INCH EXPANSION JOINT BETWEEN SIDEWALKS AND P.C.C. PAVEMENT. CUT/TRIM EXPANSION JOINTS TO BE FLUSH WITH SURFACE.
- ALL PROPERTY PINS SHALL BF PROTECTED FROM GRADING OR OTHER OPERATIONS. ANY PINS DISTURBED SHALL BE RESET AT THE CONTRACTOR'S EXPENSE.
- DO NOT STORE CONSTRUCTION MATERIALS AND EQUIPMENT IN THE RIGHT-OF-WAY.
- THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OR MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.
- THE CONTRACTOR MAY BE REQUIRED TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME DAY, AS DIRECTED BY THE ENGINEER OR THE CITY.
- ALL CONSTRUCTION WITHIN PUBLIC ROW/EASEMENTS AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, SHALL COMPLY WITH THE CITY CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS AND LATEST EDITION OF IDOT DESIGN STANDARDS
- EXCAVATION SHALL BE IN ACCORDANCE WITH THE GEO TECHNICAL REPORT PREPARED FOR THIS PROJECT.
- CONTRACTOR TO GRADE 4" BELOW THE BACK OF CURB TO ALLOW FOR THE PLACEMENT OF TOPSOIL. A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACED IN ALL PLANTING BEDS AND ALL GRASSED AREAS. GRADED AREAS TO BE HELD DOWN TO THE APPROPRIATE ELEVATION TO ACCOUNT FOR TOPSOIL. SEE SHEET L-101 FOR DETAILS.

HATCH LEGEND

- DENOTES REVERSE (SPILLING) CURB & GUTTER
- DENOTES CONCRETE CURB & GUTTER (CATCHING)
- DENOTES AREA OF DEPRESSED SPILLING CURB & GUTTER
- DENOTES AREA OF DEPRESSED CATCHING CURB & GUTTER
- DENOTES AREA OF DEPRESSED SIDEWALK
- XXX.XX DENOTES EXISTING AND OR PROPOSED SPOT ELEVATIONS.
- DENOTES PROPOSED DRAINAGE DIRECTION ARROW.
- DENOTES PROPOSED OVERFLOW DIRECTION ARROW.

TRAFFIC CONTROL NOTES:

- ALL APPLICABLE CITY/STATE PERMITS, INCLUDING BUT NOT LIMITED TO CLOSURE PERMITS, SHALL BE OBTAINED PRIOR TO ANY CONSTRUCTION WITHIN CITY/STATE ROW OR LANE CLOSURES.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- SIDEWALK CLOSED SIGNS REQUIRED FOR ALL SIDEWALK CLOSURES.
- THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.

(ST-#) STORM TAGS

- REFER TO SHEET PS-101 FOR TAG INFO

NOTE:

- ALL STORM STRUCTURES WITHIN PAVED AREAS REQUIRE WEEP HOLES. SEE DETAIL 10 ON SHEET C-403 FOR WEEP HOLE DETAILS.

IMPERVIOUS AREA DATA:

- LOT SIZE: 61,619 SQ. FT. (1.42 AC.)
- ** EXISTING IMPERVIOUS AREA: 49,784 SQ. FT.
- ** PROPOSED IMPERVIOUS AREA: 49,799 SQ. FT.

NORTH

0 20'
1" = 20'

BAR IS ONE INCH ON OFFICIAL DRAWINGS
0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY

PRELIMINARY
NOT FOR CONSTRUCTION

Chick-fil-A
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ROUTE 59 & LACROSSE LN. (IL) DTO

3320 S. ILLINOIS ROUTE 59
NAPERVILLE, IL 60564

FSR# 05844

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	08/16/24	ISSUED FOR PERMIT

PRELIMINARY

ENGINEER'S PROJECT #	2402052
PRINTED FOR	PRELIMINARY
DATE	09/16/2024
DRAWN BY:	MRJ
CHECKED BY:	JFV

SHEET
GRADING PLAN

SHEET NUMBER
C-300

UTILITY NOTES

1. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR DUTY SERVICE SIZES AND EXACT LOCATIONS. CONTRACTOR TO CONFIRM SIZES OF ALL SERVICES PRIOR TO INSTALLATION. REFER TO ELECTRICAL PLANS FOR ELECTRIC AND TELEPHONE SERVICE CONSTRUCTION DETAILS. REFER TO MECHANICAL PLANS FOR GAS SERVICE CONSTRUCTION DETAILS.
2. FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL CONNECTIONS TO EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3. PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETE.
4. MAINTAIN A MINIMUM OF 5.0' COVER OVER ALL WATER MAINS & SERVICES.
5. MAINTAIN A MINIMUM OF 4.0' COVER OVERALL SANITARY SEWER.
6. ADJUST ALL MANHOLES AND FRAMES TO FINISHED GRADES.
7. ALL SANITARY SEWER AND WATER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH **THE REQUIREMENTS OF THE CITY OF NAPERVILLE.**
8. 12" MINIMUM VERTICAL CLEARANCE BETWEEN STORM SEWER AND SANITARY SEWER PIPES. 18" MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY/STORM SEWER AND WATER MAIN.
9. MAINTAIN A MINIMUM OF **10'** HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND PUBLIC WATER MAINS.
10. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATIONS AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY CALL **JULIE AT 1-800-892-0123** AT LEAST 72 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT.
11. LOCATION OF SITE UTILITIES SHALL BE VERIFIED WITH PROPER UTILITY COMPANY PROVIDING SERVICE.
12. ALL WATER AND SANITARY LEADS TO BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END.
13. SEE SITE SPECIFICATIONS "UNDERGROUND UTILITIES" FOR BACKFILLING AND COMPACTION REQUIREMENTS.
14. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED, AS WELL AS COST OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.
15. ELECTRICAL SERVICE TO PAD MOUNTED TRANSFORMER SHALL BE RUN UNDERGROUND, FROM **ROW** TO TRANSFORMER LOCATION. ASSOCIATED COST BY GENERAL CONTRACTOR.
16. ALL EXISTING UTILITIES TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
17. FOR EXACT LIGHT POLE LOCATIONS SEE PHOTOMETRICS PLAN.
18. MATERIAL PERMITTED FOR USE AS SANITARY SEWER PIPES SHALL BE **SDR 26 FOR 4" & 6".**
19. **NICOR** WILL FURNISH AND INSTALL THE GAS MAINS AND GAS SERVICE UP TO AND INCLUDING THE METER. CONTRACTOR TO PROVIDE (1) 4" SCHEDULE 40 PVC CONDUIT UNDER PAVED AREAS IS PAVING IS COMPLETE PRIOR TO **NICOR** INSTALLING SERVICE LINE.
20. CONTRACTOR TO FURNISH AND INSTALL (1) 4" SCHEDULE 40 PVC CONDUITS FOR TELEPHONE SERVICE FROM **ATT** PEDESTAL TO BUILDING. **ATT** TO SUPPLY, PROVIDE AND INSTALL PRIMARY TELEPHONE SERVICE. CONDUITS TO BE INSTALLED A MINIMUM 24" BELOW FINISHED GRADE.
21. **CITY OF NAPERVILLE DEPARTMENT OF PUBLIC UTILITIES** TO FURNISH AND INSTALL (2) 4" SCHEDULE 40 PVC CONDUITS WITH PULL WIRE FOR PRIMARY ELECTRIC SERVICE. **CITY OF NAPERVILLE DEPARTMENT OF PUBLIC UTILITIES** TO PROVIDE AND INSTALL PRIMARY ELECTRIC SERVICE. CONTRACTOR TO FURNISH AND INSTALL (4) 4" SCHEDULE 40 PVC CONDUITS WITH PULL WIRE FOR SECONDARY ELECTRIC SERVICE. CONDUITS SHALL HAVE A MINIMUM OF 36" OF COVER. CONTRACTOR TO PROVIDE AND INSTALL TRANSFORMER PAD AND SECONDARY SERVICE IN ACCORDANCE WITH **CITY OF NAPERVILLE DEPARTMENT OF PUBLIC UTILITIES** SPECIFICATIONS AND REQUIREMENTS. TRANSFORMER PAD SHALL BE INSTALLED TO FINAL GRADE AND LEVELED. **CONTRACTOR TO REFER TO DPUE NOTES ON SHEET PS-101.**
22. CONTRACTOR TO FURNISH AND INSTALL (1) 3" SCHEDULE 40 PVC CONDUIT WITH PULL STRING FOR ISP SERVICE FROM **ATT** MAIN TO BUILDING. **ATT** TO SUPPLY, PROVIDE AND INSTALL ISP SERVICE. CONDUIT TO BE INSTALLED MINIMUM 24" BELOW FINISHED GRADE.
23. ALL SEWER CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE **CITY OF NAPERVILLE.**
24. ALL CONNECTIONS TO PUBLIC SANITARY SEWERS SHALL BE **PER CITY OF NAPERVILLE.**
25. THE CFA FIRE SERVICE LINE SHALL BE **DUCTILE IRON CLASS 52** PIPE **WITH POLYETHYLENE WRAP PER CITY STANDARDS.**
26. ALL FIELD TILES ENCOUNTERED SHALL BE REPLACED AND/OR CONNECTED TO THE STORM SEWER SYSTEM AND LOCATED AND IDENTIFIED ON THE RECORD PLANS BY THE CONTRACTOR.
27. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
28. PROVIDE UNDERDRAINS FROM SEEPS OR SPRINGS ENCOUNTERED. EXTEND TO STORM SEWER SYSTEM OR DAYLIGHT AT THE BOTTOM OF THE FILL SLOPE.
29. ALL PROPOSED PIPE CONNECTIONS TO EXISTING OR PROPOSED MANHOLES SHALL CONFORM TO ASTM-C923.

ONSITE WATERLINE NOTES:

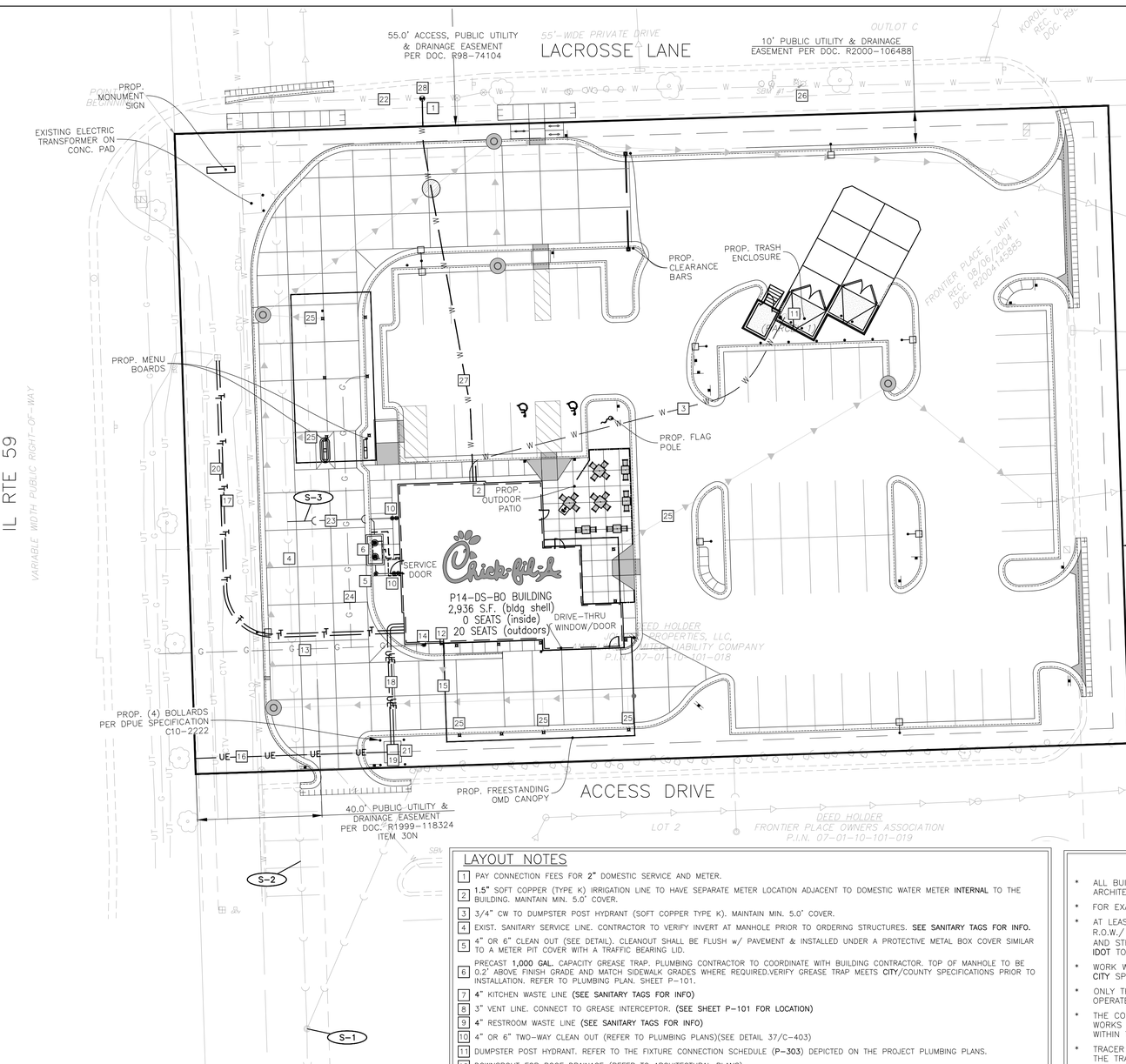
- THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, AND FIRE HYDRANTS.
- ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED AUXILIARY GATE VALVE.
- ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED BEFORE ACCEPTANCE. SEE SITE WORK SPECIFICATIONS.
- ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
- GENERAL CONTRACTOR SHALL HAVE APPROVAL OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THIS SYSTEM PRIOR TO INSTALLATION.

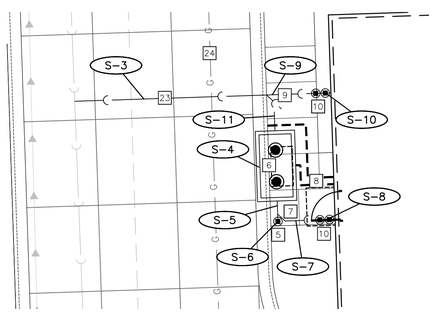
DEPARTMENT OF PUBLIC UTILITIES ELECTRIC GENERAL NOTES

- SEE UTILITY TAGS SHEET (PS-101) FOR NOTES.

DPUE NOTES:

- CONTRACTOR TO REFER TO SHEET PS-101 FOR DPUE NOTES.





1 PS-100 UTILITY LAYOUT BLOW-UP DETAIL
SCALE: 1"=10'

LAYOUT NOTES

1. PAY CONNECTION FEES FOR **2"** DOMESTIC SERVICE AND METER.
2. **1.5"** SOFT COPPER (TYPE K) IRRIGATION LINE TO HAVE SEPARATE METER LOCATION ADJACENT TO DOMESTIC WATER METER **INTERNAL** TO THE BUILDING. MAINTAIN MIN. 5.0' COVER.
3. 3/4" CW TO DUMPSTER POST HYDRANT (SOFT COPPER TYPE K). MAINTAIN MIN. 5.0' COVER.
4. EXIST. SANITARY SERVICE LINE. CONTRACTOR TO VERIFY INVERT AT MANHOLE PRIOR TO ORDERING STRUCTURES. **SEE SANITARY TAGS FOR INFO.**
5. 4" OR 6" CLEAN OUT (SEE DETAIL). CLEANOUT SHALL BE FLUSH w/ PAVEMENT & INSTALLED UNDER A PROTECTIVE METAL BOX COVER SIMILAR TO A METER PIT COVER WITH A TRAFFIC BEARING LID.
6. PRECAST **1,000 GAL.** CAPACITY GREASE TRAP. PLUMBING CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR. TOP OF MANHOLE TO BE 0.2' ABOVE FINISH GRADE AND MATCH SIDEWALK GRADES WHERE REQUIRED.VERIFY GREASE TRAP MEETS **CITY**/COUNTY SPECIFICATIONS PRIOR TO INSTALLATION. REFER TO PLUMBING PLAN, SHEET P-101.
7. **4"** KITCHEN WASTE LINE **(SEE SANITARY TAGS FOR INFO)**
8. 3" VENT LINE. CONNECT TO GREASE INTERCEPTOR. **(SEE SHEET P-101 FOR LOCATION)**
9. **4"** RESTROOM WASTE LINE **(SEE SANITARY TAGS FOR INFO)**
10. 4" OR 6" TWO-WAY CLEAN OUT (REFER TO PLUMBING PLANS)(SEE DETAIL 37/C-403)
11. DUMPSTER POST HYDRANT. REFER TO THE FIXTURE CONNECTION SCHEDULE **(P-303)** DEPICTED ON THE PROJECT PLUMBING PLANS.
12. DOWNSPOUT FOR ROOF DRAINAGE (REFER TO ARCHITECTURAL PLANS)
13. PROPOSED GAS SERVICE **(SEE NOTE 19)**
14. COORDINATE GAS METER INSTALLATION WITH GAS COMPANY.
15. 8" PVC SDR 26 ROOF DRAIN PIPE SYSTEM (CONNECT TO SITE STORM DRAIN)
16. UNDERGROUND PRIMARY ELECTRIC SERVICE. **(SEE NOTE 21)**
17. UNDERGROUND PRIMARY TELEPHONE SERVICE. **(SEE NOTE 20)**
18. UNDERGROUND SECONDARY ELECTRIC SERVICE TO BUILDING. **(SEE NOTE 21)**
19. PROPOSED PAD MOUNTED TRANSFORMER PER ELECTRIC COMPANY STANDARDS. SEE SERVICE UTILITY NOTES, THIS SHEET.
20. UNDERGROUND ISP SERVICE **(SEE NOTE 22)**
21. INSTALL TRANSFORMER PAD **(SEE NOTE 21)**
22. EXISTING 12" WATER MAIN. **CONTRACTOR TO VERFIY EXACT LOCATION & DEPTH.**
23. 6" PVC SDR-26 SANITARY SERVICE PIPE
24. 1.5" GAS SERVICE LINE TO DRIVE-THRU CANOPY
25. 6" PVC SDR 26 CANOPY DRAIN SYSTEM (CONNECT TO SITE STORM DRAIN)
26. EXIST. FIRE HYDRANT
27. 2" TYPE K COPPER DOMESTIC SERVICE LINE
28. 2" CORPORATION STOP LIVE TAP WITH VALVE & VALVE BOX

MISCELLANEOUS NOTES:

- ALL BUILDING UTILITY SERVICE LOCATIONS TO BE VERIFIED W/ ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- FOR EXACT LIGHT POLE LOCATIONS SEE PHOTOMETRICS PLAN
- AT LEAST ONE WEEK PRIOR TO ANY CONSTRUCTION WITHIN PUBLIC R.O.W./ EASEMENTS AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, THE CONTRACTOR SHALL CONTACT THE **CITY AND/OR IDOT** TO OBTAIN APPLICABLE PERMITS.
- WORK WITHIN THE ROW SHALL BE DONE IN ACCORDANCE WITH THE **CITY** SPECIFICATIONS.
- ONLY THE **CITY OF NAPERVILLE** PUBLIC WORKS DEPARTMENT MAY OPERATE EXISTING VALVES.
- THE CONTRACTOR MUST CONTACT THE **CITY OF NAPERVILLE** PUBLIC WORKS DEPARTMENT TO SCHEDULE INSPECTIONS FOR ALL WORK WITHIN THE ROW.
- TRACER WIRE ON THE WATER SERVICE SHALL BE CONNECTED TO THE TRACER WIRE ON THE WATER MAIN AND INSTALLED IN ACCORDANCE WITH THE **CITY** SPECIFICATIONS.
- **ANY WORK PERFORMED IN THE ROW SHALL BE PERFORMED BY A CITY "QUALIFIED" CONTRACTOR AND MONITORED BY PUBLIC WORKS.**

DEPARTMENT OF PUBLIC UTILITIES WATER UTILITIES GENERAL NOTES

- SEE UTILITY TAGS SHEET (PS-101) FOR NOTES.

LEGEND:

DENOTES MAINTAIN 18" VERTICAL SEPARATION PER **IEPA'S** REQUIREMENTS

S-# SANITARY SEWER TAGS

- SEE SHEET PS-101 FOR TAGS

A CONFLICT TAGS

- SEE SHEET PS-101 FOR TAGS

PRELIMINARY
NOT FOR CONSTRUCTION

NORTH
0 20'
1" = 20'
BAR IS ONE INCH ON OFFICIAL DRAWINGS
0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY

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NO.	DATE	DESCRIPTION
1	08/16/24	ISSUED FOR PERMIT

PRELIMINARY

ENGINEER'S PROJECT #	2402052
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DATE	02/21/2024
DRAWN BY:	MRJ
CHECKED BY:	JFV

SHEET
PLUMBING SITE PLAN

SHEET NUMBER
PS-100

DEPARTMENT OF PUBLIC UTILITIES – ELECTRIC GENERAL NOTES:

- THE DEVELOPER SHALL SUPPLY THE DPU-E ENGINEER WITH CATALOG CUTS FOR ALL CT/METER EQUIPMENT (INCLUDING BUT NOT LIMITED TO METER SOCKETS, PT CABINET, CT CABINET, DISCONNECT CABINET) AND TRANSFORMER PAD/VAULT. THE CATALOG CUTS SHALL BE APPROVED BY DPU-E PRIOR TO PURCHASING.
- THE CT/METER CABINET SHALL BE TOP FED.
- CT/METER EQUIPMENT ARE LONG LEAD TIME ITEMS AND DPU-E SHALL NOT BE HELD RESPONSIBLE FOR DELAYS RESULTING FROM NON-COMPLIANT CT/METER EQUIPMENT.
- ELECTRICAL CONTRACTOR TBD.
- DPUE WILL PROVIDE, INSTALL, AND MAINTAIN THE TRANSFORMERS, ALL PRIMARY (15KV) CABLE AND CONDUIT, AND THE METERS AND INSTRUMENT TRANSFORMERS. DPUE WILL ALSO MAKE THE FINAL CONNECTIONS IN THE TRANSFORMERS ONCE THE INSPECTION IS COMPLETE AND THE BUILDING IS READY TO BE ENERGIZED.
- THE DEVELOPER IS RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAINTAINING THE TRANSFORMER PAD/VAULT, ALL SERVICE LATERAL (480V) CABLE AND CONDUIT, THE SERVICE ENTRANCE EQUIPMENT INCLUDING THE CT/METER CABINET AND ALL BANKED METER SOCKETS.
- THE DEVELOPER SHALL COORDINATE SITE CONSTRUCTION WITH DPU-E TO ALLOW ELECTRIC FACILITIES TO BE INSTALLED PRIOR PAVING AND CURBING. DPU-E REQUIRES 30 WORKING DAYS ADVANCE WRITTEN NOTICE PRIOR TO PAVEMENT INSTALLATION TO ALLOW FOR THE INSTALLATION OF ELECTRIC FACILITIES. GRADE ELEVATION MUST BE WITHIN 4" OF FINAL GRADING BEFORE ELECTRIC FACILITIES CAN BE INSTALLED.
- ELECTRIC FACILITIES SHALL BE INSTALLED PURSUANT TO SECTION 8-1C-3 OF THE CITY OF NAPERVILLE MUNICIPAL CODE, WHICH REQUIRES A CONSTRUCTION FEE PAYMENT FOR INSTALLATION OF ELECTRIC FACILITIES.
- AT ALL TIMES, THE CUSTOMER SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SUITABLE APPROACH TO THE METER LOCATION, WITH NO OBSTRUCTIONS WITHIN FOUR (4) FEET OF THE FRONT AND TWO (2) FEET OF THE SIDES OF THE METER. PER NAPERVILLE SERVICE RULES AND POLICIES 22.2.F.
- CLEARANCE TO TRANSFORMER PAD SHALL BE 5 FEET FROM ALL SIDES, 10 FEET FROM FRONT, AND THE AREA ABOVE MUST BE COMPLETELY CLEAR OF OBSTRUCTION. NO TREES, SHRUBS, OR OTHER OBSTACLES WILL BE ALLOWED WITHIN THIS AREA. TRANSFORMER PAD SHALL MAINTAIN MINIMUM CLEARANCE OF 20 FEET FROM EGRESS POINTS. PER DPUE SPECIFICATIONS C10-2130 AND C30-0016.
- DPU-E REQUIRES A MINIMUM 5' OF SEPARATION BETWEEN ITS ELECTRIC FACILITIES AND ANY FIRE HYDRANTS STORM DRAINS, STORM SEWERS, WATER MAINS, GAS MAINS, ETC. THAT RUN PARALLEL TO ITS FACILITIES.
- TO HAVE AN EXISTING SERVICE DISCONNECTED CALL THE CITY DISPATCH OFFICE AT 630-420-6187. PLEASE ALLOW AT LEAST 24 HOURS NOTICE. METERS AND METER SEALS ARE TO BE REMOVED ONLY BY DPU-E PERSONNEL. THE LOCATION AND TYPE OF NEW OR REPLACEMENT METER RELATED EQUIPMENT MUST BE PRE-APPROVED IN WRITING BY DPU-E. AN ELECTRIC SERVICE MUST BE INSPECTED BY THE DEVELOPMENT SERVICES TEAM ELECTRICAL INSPECTOR PRIOR TO CONNECTION.
- APPROVAL OF METERING EQUIPMENT BY DPU-E DOES NOT REMOVE YOUR RESPONSIBILITY TO COMPLY WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF NAPERVILLE. DETERMINATION OF COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE WILL BE MADE BY THE TRANSPORTATION, ENGINEERING AND DEVELOPMENT DEPARTMENT.
- A CUSTOMER'S GROUNDING CONDUCTOR SHALL NOT BE CONNECTED TO DPU-E DISTRIBUTION EQUIPMENT.
- DUE TO SUPPLY CHAIN ISSUES DPU-E IS EXPERIENCING LONG LEAD TIMES (+900 DAYS) ON TRANSFORMERS. PLEASE TAKE THIS INTO CONSIDERATION WHEN PLANNING CONSTRUCTION.
- PLEASE IDENTIFY PREFERRED VOLTAGE LEVEL. 1-PHASE 120/240, 1-PHASE 120/208, 3-PHASE 120/208V OR, 3-PHASE 277/480V? PLEASE COMPLETED A SERVICE LOADING SPREADSHEET FOR EACH BUILDING AND RETURN TO THE DPUE ENGINEER.
- THE DEVELOPER IS RESPONSIBLE FOR THE CONSTRUCTION AND INSTALLATION OF A TRANSFORMER PAD AND VAULT. THE DPU-E ENGINEER MUST BE INFORMED PRIOR TO THE INSTALLATION OF THE AND VAULT. A MAIN DISCONNECT OR CIRCUIT BREAKER IS REQUIRED FOR DPU-E ACCESS IN CASE OF A NEED FOR SERVICE OR IN AN EMERGENCY. DPU-E SHALL MAKE THE FINAL CONNECTIONS OF THE CUSTOMER'S SERVICE TO THE TRANSFORMER TERMINALS. A MINIMUM OF EIGHT FEET OF ADDITIONAL CONDUCTOR LENGTH MUST BE LEFT ON THE CUSTOMER'S SERVICE CABLES.
- THE TRANSFORMER IS LOCATED NEAR VEHICULAR TRAFFIC. DEVELOPER IS RESPONSIBLE FOR PROVIDING AND INSTALLING 8" BOLLARDS PER DPUE SPECIFICATION C10-2222.
- THE TRANSFORMER MUST BE SHOWN ON THE SITE PLAN AND SHOULD BE LOCATED BETWEEN 8' AND 50' FROM COMMERCIAL BUILDINGS. METERS, INSTRUMENTAL TRANSFORMERS, AND MAIN DISCONNECT SHALL BE LOCATED WITHIN 50' OF THE TRANSFORMER AND SHALL BE INSTALLED ON THE EXTERIOR OF THE BUILDING. IF THE TRANSFORMER WILL BE LOCATED AT A DISTANCE GREATER THAN 50', THEN THE METERING CABINET AND MAIN DISCONNECT MUST BE FREE STANDING AND LOCATED BETWEEN 10' AND 15' OF THE TRANSFORMER. THE INSTRUMENT TRANSFORMERS AND MAIN DISCONNECT MAY BE INSTALLED INSIDE THE BUILDING IF SERVICE ENTRANCE CAPACITIES IS 1200 AMPS OR GREATER. METERS SHALL BE INSTALLED ON THE BUILDING EXTERIOR.

DEPARTMENT OF PUBLIC UTILITIES – WATER UTILITIES GENERAL NOTES:

a. New water main valves, including pressure tap valves, adjacent to an existing water main, and existing water main valves shall only be operated by the City of Naperville, Department of Public Utilities CEE/CM Division personnel with 48-hour notice (Monday-Friday). Contact Naperville TED Business Group at 630-420-6082 for scheduling.
b. Any existing utility structures requiring adjustment or reconstruction shall be completed by the contractor to the satisfaction of the utility owner. Adjustments and/or reconstructions not called for on the plans shall be considered incidental to the contract. No more than a total of 12 inches of adjusting rings and/or 2 adjusting rings shall be allowed. All structure frames shall be flush with final grade.
c. Trees shall be installed a minimum of five (5) feet horizontally from underground electrical feeders, sanitary sewers, sanitary services, water mains, and water services. Trees shall be installed a minimum of ten (10) feet horizontally from utility structures and appurtenances, including, but not limited to, manholes, valve vaults, valve boxes and fire hydrants. No trees, shrubs or obstacles will be allowed 10' in front of, 5' on the sides, and 7' to the rear of the electrical transformer.
d. All retainer glands when required to restrain valves, fittings, hydrants, and pipe joints shall be mechanical joint wedge action type MEGALUG 1100 Series as manufactured by EBBA Iron, Inc. or UNI-FLANGE BLOCKBUSTER 1400 SERIES as manufactured by Ford Meter Box Co. and shall be for use on ductile iron pipe conforming to ANSI/AWWA C151/A21.51, for nominal pipe sizes 3" through 48".
e. Existing ductile iron systems for restraining push-on pipe bells shall be MEGALUG SERIES 1100HD or FORD SERIES 1390.
f. Existing ductile iron systems requiring restraint shall be MEGALUG SERIES 1100SD (split MEGALUG) for mechanical joints.
g. Ductile iron water main to be Class 52. All ductile iron pipe is to be encased in polyethylene film Polyethylene encasement to be installed in accordance with ANSI/AWWA C105/A21.5-05.
h. A set of as-built record drawing shall be given to the City of Naperville upon completion of improvements showing the elevation and location (tied to two points) of all new and existing structures including fire hydrants, valve boxes and vaults, linestop sleeves, water service corporation stops, water main fittings/bends, manholes, sanitary service wyes (measured from downstream manhole), and abandoned water or sanitary service lines. All elevations should be referenced to the same benchmark datum as the original design plans. Horizontal ties shall be referenced to lot lines, back of curb, or property corners.
i. All sanitary sewer piping shall be PVC pipe meeting the requirements of ASTM D-2241 with joints conforming to ASTM D-3139. All sanitary sewer fittings shall be PVC meeting the following requirements: 4" to 12" shall be Injection Molded Fittings meeting ASTM D-2241. Greater than 12" shall be Fabricated Fittings meeting ASTM D-2241 or C905. Minimum pressure rating shall be 150 psi.
j. The valves less than 16" shall be standard pattern, gate valves and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letters on the valve body. Valves may be approved from one of the following manufacturers: American, Clow, Waterous or Kennedy.
k. Stainless steel nuts, bolts/T-bolts, and washers, Type 304 or better, will be required on all water main installations. This would apply to hydrants, tapping sleeves, valves, fittings, restraint, and other appurtenances buried or in valve vaults. Mechanical joints and restraint glands require 304 stainless steel T-bolts. An anti-seize compound shall be factory applied to nuts or bolts - any damage to this coating shall be repair with field applied approved anti-seize compound that is a molybdenum-base lubricant, Bostik Never-Seez or approved equal.
l. The contractor shall rotate and/or adjust any existing and/or new hydrant to the satisfaction of the Department of Public Utilities.
m. Water mains shall be subjected to a hydrostatic/leakage test in accordance with Naperville Standard Specifications. Test pressure shall be no less than 150 psi for a period of 4 hours and not vary by more than ± 5 psi. during the test. The test gauge shall be approved by the City and shall be glycerin or oil filled, with a range of not more than 200 psi and increments not greater than 5 psi, 4 " minimum dial size. Water recovery test shall be completed at the end of the testing period to show actual leaking and that the water main did not have too much trapped air in the tested section.
n. The City of Naperville Public Utilities does not guarantee that any valve or fitting in the existing water distribution system will hold against a hydrostatic/leakage test. The Contractor is solely responsible for providing and acceptable pressure test which shall include provisions around existing valves and fittings.
o. Fire hydrant should be bagged "NOT IN SERVICE" until all testing and disinfection has been completed and new water main section is service.
p. Sanitary sewer and water shall be constructed, tested, and placed into service in accordance with City of Naperville Standard Specification and Specifications for Water and Sewer Main Construction in Illinois, Latest Edition.
q. All valve boxes, vaults, hydrants, and manholes shall not be covered with construction debris and shall remain accessible to the respective utility company.
r. Water service line smaller than 3" shall be type K copper. If joints are required due to length of service, then only compression type coupling shall be permitted. No soldered or flared type joints are allowed.
s. All sanitary manholes shall be tested for leakage by vacuum testing. The manhole frame and adjusting rings shall be in place when testing. Any leaks shall be repaired from exterior of manhole - patching inside of manhole shall not be acceptable. A vacuum of 10" (254 mm) Hg shall be place on the manhole and the time shall be measured for the vacuum to drop to 9" (229 mm) Hg. The vacuum shall not drop below 9" (229 mm) Hg for the following time periods for each size of manhole:
   a) 48-inch diameter - 60 seconds
   b) 60-inch diameter - 75 seconds
   c) 72-inch diameter - 90 seconds
   d) 84-inch diameter - 105 seconds

Any manholes that fail the test shall be sealed and re-tested until acceptable.
t. The contractor shall provide internal televised inspection of all installed sanitary sewer, laterals, manholes and connections to the public system. Following completion of televising work, the contractor shall submit video recordings on DVD or flash drive along with a comprehensive televising report which will indicate the location, footages and nature of any defects. Prior to final acceptance, these defects shall be repaired to the satisfaction of the Water/Wastewater Utility and re-televised.
u. Contractor work hours are only allowed from 7:00 a.m. to 5:00 p.m., Monday through Saturday. No work shall be permitted on Sundays.
v. Sanitary pipes with less than 4 feet or more than 25 feet of cover shall be constructed of ductile iron piping (Class 50, minimum) and encased in polywrap.
w. All excavations more than 20 feet deep must be protected by a system designed by a registered professional engineer.
x. Contractor shall maintain 2' minimum clearance between existing utilities and new foundations and underground facilities. In areas where foundations and underground facilities are proposed adjacent to existing utilities, the contractor shall pot hole by vacuum excavation or hand excavation to locate the existing utility to verify minimum clearance requirement.
y. Fences shall be installed a minimum of 5 feet from any water or sanitary mains when running parallel with them. Where fences are installed crossing water or sanitary mains, the posts shall be located to have the main between them.
z. All brass components shall be certified to be lead free in compliance with NSF 61 and NSF 372 and identified with applicable markings.
aa. Sanitary Force Main - Force man shall be tested a minimum of 1 hour at 1.5 the shut off head of the pump, 2.5 times the operating pressure, or 20 psi whichever is greatest. Allowable leakage shall be in accordance with section 41-2.14C of the standard specifications for water and sewer construction.

(ST-#) STORM TAGS

ST-1 EXIST. STM SWR CURB INLET
RIM = 689.00
INV = 684.20 NE 33" RCP
INV = 685.90 NW 12" RCP
(CONTRACTOR TO VERIFY INVERT AT STRUCTURE PRIOR TO ORDERING ANY STRUCTURES. NOTIFY ENGINEER WITH ANY DISCREPANCIES)

ST-2 EXIST. 80 LIN FT SS RCP, 12"
@ 2.13%

ST-3 EXIST. STM SWR MH
RIM = 688.79
INV = 684.59 N/S 30" RCP
INV = 685.89 E 12" RCP
INV = 685.89 W 12" RCP (ESTIMATED)
CONTRACTOR TO FIELD VERIFY PIPE INVERTS AND CONTACT ENGINEER

ST-4 EXIST. 64 LIN FT SS RCP, 12"
@ 1.06%

ST-5 EXIST. STM SWR MH
EXIST. RIM = 689.60
PROP. RIM = 689.80
INV = 687.60 SE 12" RCP
INV = 687.60 W 12" RCP
CONTRACTOR TO ADJUST RIM TO FINISHED GRADE

ST-6 149 LIN FT SS RCP, 12"
@ 0.25%

ST-7 STM SWR CB 4' DIA., R-3235 TY A GRATE
T/C = 690.86
INV = 687.98 E 12" RCP
INV = 687.98 S 12" RCP
INV = 687.98 W 12" RCP

ST-8 89 LIN FT SS RCP, 12"
@ 0.25%

ST-9 STM SWR CB 4' DIA., R-2510-2 GRATE (LOW PROFILE)
RIM = 690.55
INV = 688.20 NW/S 12" RCP
INV = 688.20 E 6" PVC

ST-10 122 LIN FT SS PVC, 12" (O-RING GASKETS)
@ 0.25%

ST-11 STM SWR CB 4' DIA., R-2510-2 GRATE (LOW PROFILE)
RIM = 690.85
INV = 688.50 N 12" RCP
INV = 688.50 E 8" PVC

ST-12 116 LIN FT SS PVC, 8" SDR 26
@ 1.00%

ST-13 CLEANOUT
RIM = 692.30
INV = +/- 689.65

ST-14 19 LIN FT SS PVC ROOF DRAIN, 6" SDR 26
@ 1.00%
INV @ ST-12 = 689.05
INV @ BLDG = 689.25

ST-15 11 LIN FT SS PVC CANOPY DRAIN, 6" SDR 26
@ 1.00%
INV @ ST-12 = 689.10
INV @ COLUMN = 689.20

ST-16 11 LIN FT SS PVC CANOPY DRAIN, 6" SDR 26
@ 1.00%
INV @ ST-12 = 689.35
INV @ COLUMN = 689.45

ST-17 11 LIN FT SS PVC CANOPY DRAIN, 6" SDR 26
@ 1.00%
INV @ ST-12 = 689.60
INV @ COLUMN = 689.70

ST-18 18 LIN FT SS PVC CANOPY DRAIN, 6" SDR 26
@ 1.00%
INV @ COLUMN = 688.40

ST-19 20 LIN FT SS PVC CANOPY DRAIN, 6" SDR 26
@ 1.00%
INV @ ST-10 = 688.30
INV @ COLUMN = 688.50

ST-20 36 LIN FT SS RCP, 12"
@ 0.61%

ST-21 STM SWR CB 4' DIA., R-3235 TY A GRATE
T/C = 691.31
INV = 688.20 N 12" RCP

ST-22 58 LIN FT SS RCP, 12"
@ 0.66%

ST-23 STM SWR CB 4' DIA., R-3235 TY A GRATE
T/C = 690.46
INV = 686.95 SE 12" RCP
INV = 686.95 SW 6" PVC

ST-24 102 LIN FT SS PVC CANOPY DRAIN, 6" SDR 26
@ 1.00%
INV @ COLUMN = 688.00

ST-25 EXIST. STM SWR MH
EXIST. RIM = 689.47
PROP. RIM = 689.75
INV = 686.57 E 12" RCP
INV = 686.57 NW 12" RCP
CONTRACTOR TO ADJUST RIM TO FINISHED GRADE

NOTE:
* ALL STORM STRUCTURES WITHIN PAVED AREAS REQUIRE WEEP HOLES. SEE DETAIL 10 ON SHEET C-403 FOR WEEP HOLE DETAILS.

(S-#) SANITARY SEWER TAGS

S-1 EXIST. SAN SWR MH
EXIST. RIM = 691.05
INV = 674.90 N/S 8" PVC
INV = 676.20 NE 8" PVC

S-2 EXIST. 357 LIN FT SAN SWR MAIN, 8" PVC
@ 0.63%

S-3 33 LIN FT SAN SWR, 6" PVC
(11 LF RISER @ 1:1 SLOPE)
INV @ TOP OF RISER = 686.91
(22 LF @ 1.77%)
INV @ MAIN = 675.91

CONTRACTOR TO PLACE 6" TO 4" REDUCER AT THE END OF THE PIPE TO CONNECT TO THE BUILDING.

(CONTRACTOR TO VERFIY INVERT AT CONNECTION PRIOR TO ORDERING STRUCTURES. NOTIFY ENGINEER WITH ANY DISCREPANCIES.)

S-4 GREASE TRAP (1,000 GAL.)
SEE BUILDING PLUMBING PLAN FOR DETAILS
RIM(S) = 692.30 N, 691.90 S
INV = 687.45 (INLET)
INV = 687.30 (OUTLET)

S-5 3 LIN FT SAN SWR, 4" PVC (SDR 26)
@ 4.55%

S-6 CLEAN OUT (SEE DETAIL)
RIM = 692.20
INV = +/- 687.60

S-7 9 LIN FT SAN SWR, 4" PVC (SDR 26)
@ 4.55%
INV @ BLDG = 687.95
(VERFIY W/ ARCH)

S-8 TWO-WAY CLEAN OUT (SEE DETAIL)
RIM = 692.40
INV = +/- 687.85

S-9 9 LIN FT SAN SWR, 4" PVC (SDR 26)
@ 5.00%
INV @ BLDG = 687.70
INV @ S-3 = 687.20
(VERFIY W/ ARCH)

S-10 TWO-WAY CLEAN OUT (SEE DETAIL)
RIM = 692.40
INV = +/- 687.60

S-11 6 LIN FT SAN SWR, 4" PVC (SDR 26)
@ 1.67%
INV @ S-3 = 687.20

(A) CONFLICT TAGS

* NOT INCLUDED WITH THIS SUBMITTAL.

PRELIMINARY
NOT FOR CONSTRUCTION

Chick-fil-A
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Atlanta, Georgia
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FSR# 05844

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	08/16/24	ISSUED FOR PERMIT

PRELIMINARY

ENGINEER'S PROJECT #	2402052
PRINTED FOR	PRELIMINARY
DATE	02/21/2024
DRAWN BY:	MRJ
CHECKED BY:	JFV

SHEET
UTILITY TAGS

SHEET NUMBER
PS-101