Exhibit V Civil Plan set dated June 18, 2024

CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.

. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.

5. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.

PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MINIMUM ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.

THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY 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.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC

10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.

11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.

12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC.

13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE

FEMA FLOOD PLANE INFORMATION

<u>PROPOSED</u>

CURB AND GUTTER

BARRIER CURB

CONCRETE

ASPHALT

PROPERTY IS LOCATED IN FEMA FLOOD ZONE X PER THE FEMA NATIONAL FLOOD INSURRANCE PROGRAM RATE MAP.

LEGEND:

CURB

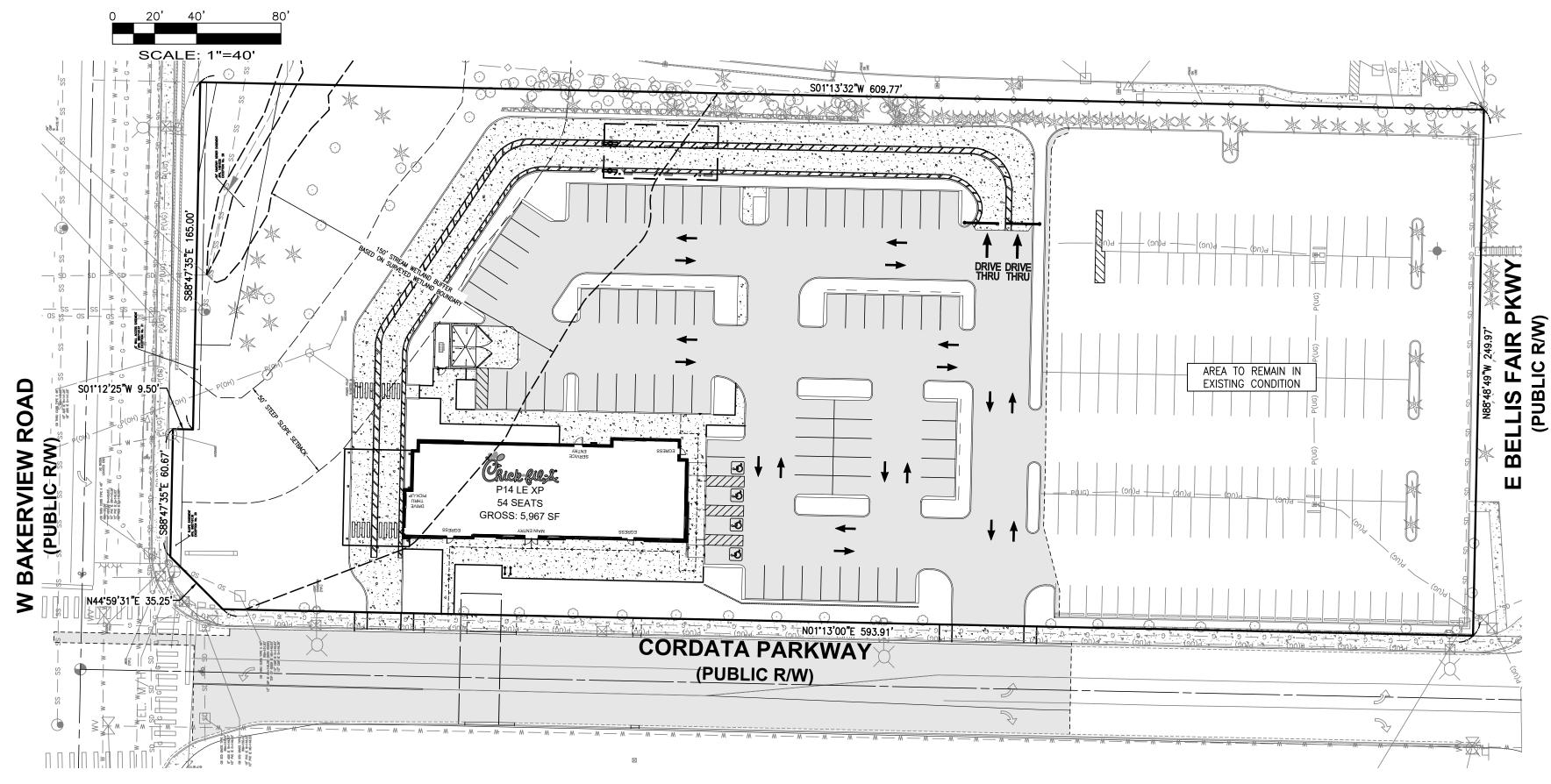
PAINT STRIPE

CONCRETE

CONTOUR

PRELIMINARY COVER SHEET CHICK-FIL-A BELLINGHAM

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA



UTILITY CONFLICT NOTE:

EXISTING

▶. ▽

—— W ——

____T(XX)____

LUMINAIRE (LUM.)

YARD LIGHT

POWER METER

POWER POLE

CONIFEROUS TREE

DECIDUOUS TREE

JUNCTION BOX (AS NOTED)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

CLIENT

CHICK-FIL-A 5200 BUFFINGTON ROAD ATLANTA, GEORGIA 30349 TEL: (404) 305-4407 CONTACT: STEVE SCHWARTZ EMAIL: STEVE.SCHWARTZ@CHICK-FIL-A.COM

ARCHITECT

WARE MALCOMB 3015 112TH AVE NE #205 BELLEVUE, WA 98004 TEL: (602) 641-7084 CONTACT: BRET RYAN EMAIL: BRYAN@WAREMALCOMB.COM

ENGINEER

BARGHAUSEN CONSULTING ENGINEERS, INC. 18215 72ND AVE. SOUTH KENT, WA 98032 TEL: (425) 251-6222 FAX: (425) 251-8782 CONTACT: JASON CAREY

LANDSCAPE ARCHITECT

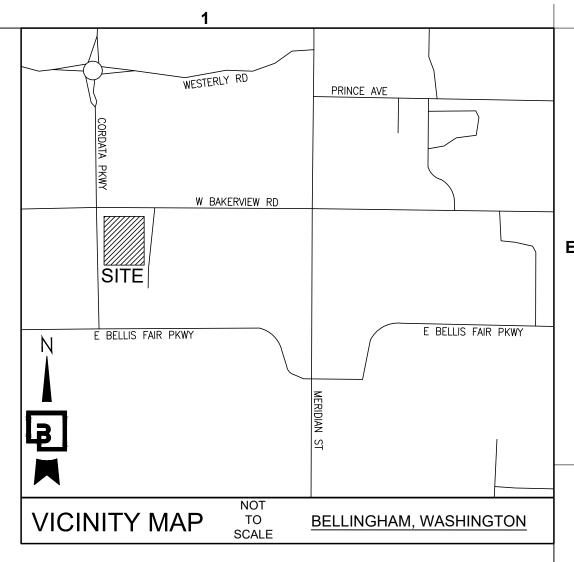
BARGHAUSEN CONSULTING ENGINEERS, INC. 18215 72ND AVE. SOUTH KENT, WA 98032 TEL: (425) 251-6222 FAX: (425) 251-8782 CONTACT: JEFF VARLEY, R.L.A.

GEOTECHNICAL

TERRACON CONSULTANTS, INC. 21905 64TH AVENUE WEST SUITE 100, MOUNTLAKE TERRACE. WA 98043 (425) 771-3304 CONTACT: TARIK H. BINOY, P.E.

SURVEY

BARGHAUSEN CONSULTING ENGINEERS, INC. 18215 72ND AVE. SOUTH KENT, WA 98032 TEL: (425) 251-6222 FAX: (425) 251-8782 CONTACT: RYAN D. LEE, P.L.S.



GEOTECHNICAL REPORT NOTES:

THE FOLLOWING GEOTECHNICAL REPORTS FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:

SOILS REPORTS: GEOTECHNICAL ENGINEERING REPORT JOB NUMBER: 81235073 DATE: OCTOBER 27, 2023

PREPARED BY: TERRACON CONSULTANTS, INC.

21905 64TH AVENUE WEST SUITE 100. MOUNTLAKE TERRACE, WA 98043

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB, AND PAVING CONSTRUCTION.

ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR DETERMINATION.

4. A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO HIS/HER SATISFACTION.

5. THE SOILS ENGINEER SHOULD BE NOTIFIED AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY SITE CLEARING OR GRADING.

	CIVIL SHEET LIST						
Sheet Number	Sheet Title						
C1.0	PRELIMINARY COVER SHEET						
C2.0	PRELIMINARY TESC AND DEMO PLAN						
C2.1	PRELIMINARY TESC AND DEMO PLAN						
C3.0	PRELIMINARY SITE PLAN						
C3.1	PRELIMINARY SITE PLAN						
C4.0	PRELIMINARY GRADING AND DRAINAGE PLAN						
C4.1	PRELIMINARY GRADING AND DRAINAGE PLAN						
C5.0	PRELIMINARY UTILITY PLAN						
C5.1	PRELIMINARY UTILITY PLAN						
C6.0	PRELIMINARY TRUCK TURN PLAN						

VERTICAL DATUM NOTE:

VERTICAL CONTROL PUBLISHED BY WSDOT, POINT "GP37005-13 AZ" WAS HELD FOR BENCHMARK ELEVATION = 135.78 USFT

HORIZONTAL DATUM NOTE:

NAD 83/11 PER WSDOT PUBLISHED MONUMENTS, WSDOT CONTROL POINT "GP37005-13 AZ" WAS HELD FOR POSITION AND A LINE BETWEEN SAID POINT "GP37005-13 AZ" AND CONTROL POINT "BM37005-1" WAS HELD FOR ROTATION, BEING NORTH 75°01'25" WEST.

LEGAL DESCRIPTION:

DISTANCE OF 1981.33 FEET;

A PORTION OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 38 NORTH, RANGE 2 EAST OF W.M., IN THE CITY OF BELLINGHAM IN WHATCOM COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 13. SAID CORNER BEING A CONCRETE MONUMENT IN CASE AT THE INTERSECTION OF GUIDE MERIDIAN STREET AND WEST MCLEOD ROAD; THENCE NORTH 01°17'06" EAST ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, A

THENCE NORTH 88'49'16" WEST, A DISTANCE OF 984.49 FEET TO THE SOUTHEAST CORNER OF LOT 2, BLOCK 1 IN THE PLAT OF BAKERVIEW ADDITION TO THE CITY OF BELLINGHAM. AS RECORDED IN VOLUME 7 OF PLATS, PAGES 40 TO 45, RECORDS OF WHATCOM COUNTY, WASHINGTON AND THE TRUE POINT OF BEGINNING THENCE NORTH 88°49'16" WEST, A DISTANCE OF 249.97 FEET TO A POINT THAT IS 84.99 FEET EAST OF THE EAST LINE OF LOT 1, BLOCK 2 OF SAID PLAT; THENCE NORTH 01°13'29" EAST, A DISTANCE OF 593.91 FEET; THENCE NORTH 45'00'00" EAST, A DISTANCE OF 51.19 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF BAKERVIEW ROAD;

THENCE SOUTH 88'48'07" EAST ALONG SAID SOUTH RIGHT-OF-WAY LINE, A DISTANCE OF 214.49 FEET THENCE SOUTH 01°13'05" WEST, A DISTANCE OF 630.78 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT ANY PORTION DEEDED AS BELLIS FAIR MALL SHORT PLAT AS RECORDED UNDER AUDITOR'S FILE NO. 1603409 AND CORRECTED UNDER AUDITOR'S FILE NO. 1606802, AND EXCEPT ANY PORTION DEEDED TO THE CITY OF BELLINGHAM UNDER AUDITOR'S FILE

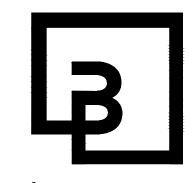
NO. 960716135. SITUATE IN WHATCOM COUNTY, WASHINGTON.



Know what's **below**. Call before you dig. **Dial 811**

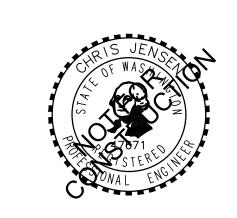


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Barghausen Consulting Engineers, Inc.

18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com



FSR#05529

BUILDING TYPE / SIZE: RELEASE:

REVISION SCHEDULE NO. DATE DESCRIPTION

CONSULTANT PROJECT #	22779
PRINTED FOR	
DATE	6/18/24
DRAWN BY	СМН

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PRELIMINARY COVER

SHEET NUMBER

C1.0 OF 10

CATCH BASIN (CB) SAWCUT -----WATER STORM MANHOLE (SDMH) CONTOUR **____432____** ---SD---STORM SANITARY SEWER MANHOLE (SSMH) WATER CLEANOUT (AS NOTED) TYPE 1 CATCH BASIN WATER METER GAS METER STORM SANITARY --SS--GAS VALVE SANITARY _____S ____ WATER VALVE (WV) SS MANHOLE GAS FIRE HYDRANT(FH) —— G —— GAS POWER ——Р —— CONNECTION(FDC) PAINT STRIPE POWER OVERHEAD ——Р (OH)— WATER METER TYPE 1 CATCH BASIN POWER UNDERGROUND ——P (UG)— TYPE 2 CATCH BASIN DIRECTIONAL ARROW GRAVEL/SAND (AS NOTED) SANITARY SEWER CLEANOUT BOLLARD ASPHALT BUILDING LINE

WATER LINE

OH/UG TEL. LINE

MONUMENT PROTECTION NOTE:

CONTRACTOR SHALL FIELD LOCATE ALL MONUMENTS WITHIN THE AREA OF DISTURBANCE PRIOR TO CONSTRUCTION AND PROTECT FROM DISTURBANCE/DESTRUCTION TO THE MAXIMUM EXTENT FEASIBLE. IF IT IS NECESSARY TO REMOVE OR REPLACE A MONUMENT DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION HAVING AUTHORITY (RCW 58.24.040) AND BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES PRIOR TO DISTURBANCE/DESTRUCTION OR RELOCATION OR REPLACEMENT (WAC 332-120). APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR AND MÀY BE OBTAINÉD FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES:

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES PUBLIC LAND SURVEY OFFICE 1111 WASHINGTON STREET S.E. P.O. BOX 47060 OLYMPIA, WASHINGTON 98504-7060 (206)902-1190

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED THAT ARE ABLE TO BE REPLACED, SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

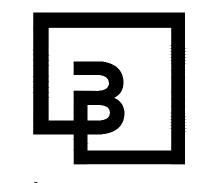
ESTIMATED EARTHWORK QUANTITIES: | CUT: 6,900 CY FILL: 1,700 CY NET: 5,200 CY (CUT) AREA TO BE DISTURBED = 1.90 AC

EARTHWORK QUANTITIES ARE APPROXIMATE AND SHALL NOT BE USED FOR BID. CONTRACTOR

IS RESPONSIBLE FOR OBTAINING AN INDEPENDENT ESTIMATE FOR BIDDING OR CONTRACTING.



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PARKWAY RVIEW RD.

CORDATA PARKWAY

W. BAKERVIEW

4030 CORDATA PARKWAY

FSR#05529

LDING TYPE / SIZE: EASE:

EVISION SCHEDULE

NO. DATE DESCRIPTION

ONSULTANT PROJECT #	22779
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ATE	6/18/24
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PRELIMINARY TESC
AND DEMO PLAN

C2.0 OF

0

PRELIMINARY TESC AND DEMO PLAN **CHICK-FIL-A BELLINGHAM**

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA

S01'13'32"W 609.77' AREA TO REMAIN IN EXISTING CONDITION CORDATA PARKWAY (PUBLIC R/W)

EROSION CONTROL CALLOUTS:

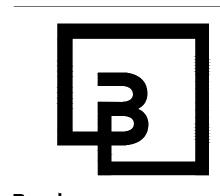
- CONTRACTOR TO INSTALL STORM DRAIN PROTECTION AT ALL EXISTING AND PROPOSED CATCH BASINS AS REQUIRED TO PREVENT SILT—LADEN WATER FROM ENTERING STORM DRAINAGE SYSTEM (TYP). COORDINATE PLACEMENT WITH PROPERTY OWNERS AND AS DIRECTED BY CITY INSPECTOR. SEE DETAIL 2 ON THIS
- TEMPORARY CONSTRUCTION FENCE (6' HIGH CHAIN LINK).
 CONTRACTOR TO FIELD VERIFY AND CONFIRM EXACT LOCATION WITH
 CHICK—FIL—A AND LANDLORD.

DEMOLITION CALLOUTS:

- 1. REMOVE EXISTING STRIPING (TYP).
- 2. PROTECT EXISTING STRIPING (TYP).
- 3. PROTECT EXISTING POWER LINE AND ASSOCIATED APPURTENANCES.

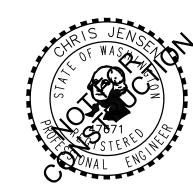
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PRELIMINARY TESC AND DEMO PLAN

SHEET NUMBER C2.1 OF 10

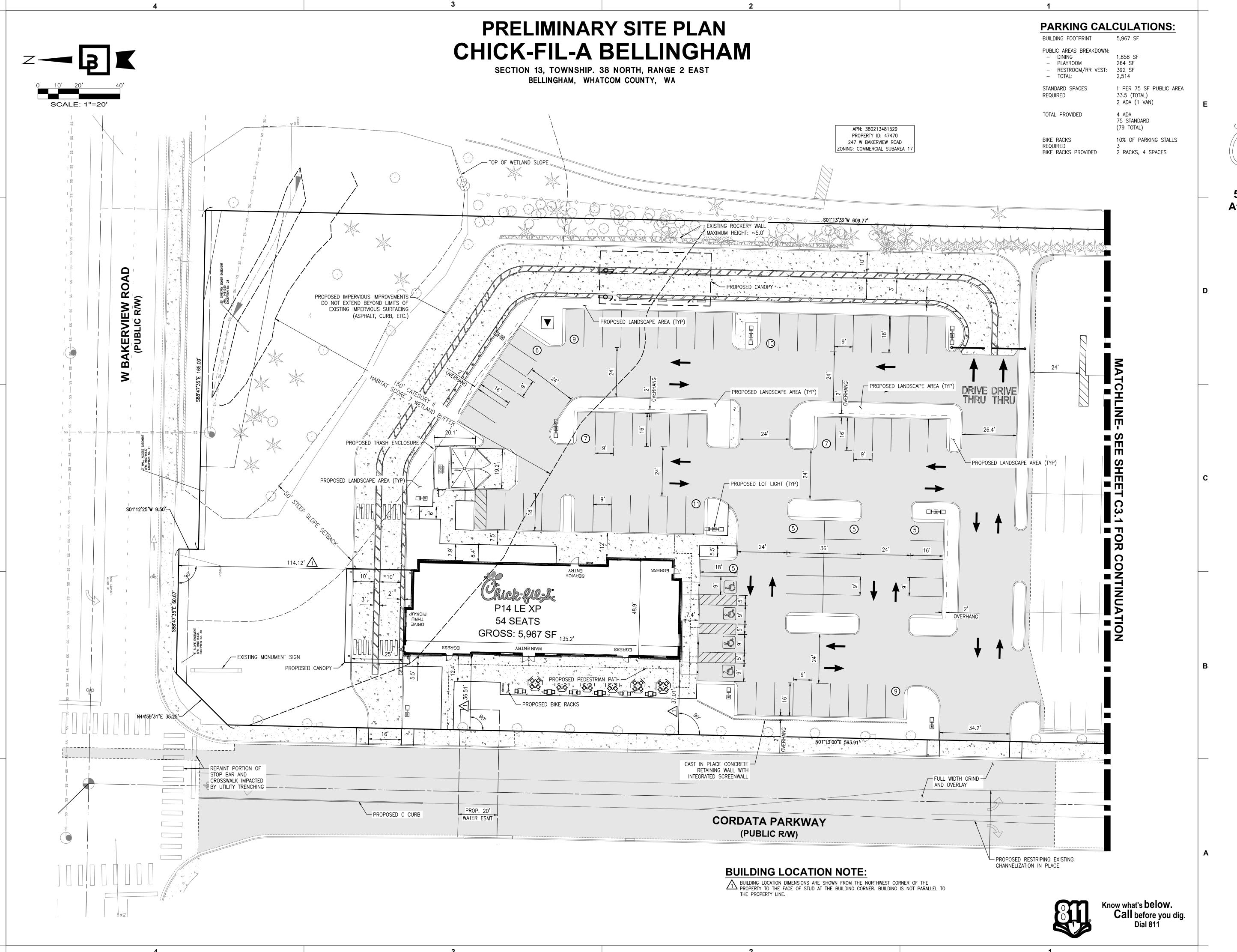
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Dial 811

TESC LEGEND: CATCH BASIN PROTECTION ◆ ◆ PERIMETER PROTECTION LIMITS OF DISTURBANCE * * * * * * TEMPORARY CONSTRUCTION FENCE

TREE TO REMAIN

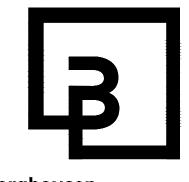
2







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CHRIS JENSON OF WAS A STATE OF THE A STATE OF THE

CHICK-FIL-A CORDATA PARKWAY W. BAKERVIEW RD. 30 CORDATA PARKWAY

FSR#05529
BUILDING TYPE / SIZE:

RELEASE:

REVISION SCHEDULE

NO DATE DESCRIPTION

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 22779

PRINTED FOR

DATE 6/18/24

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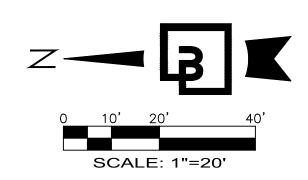
SHEET

PRELIMINARY SITE

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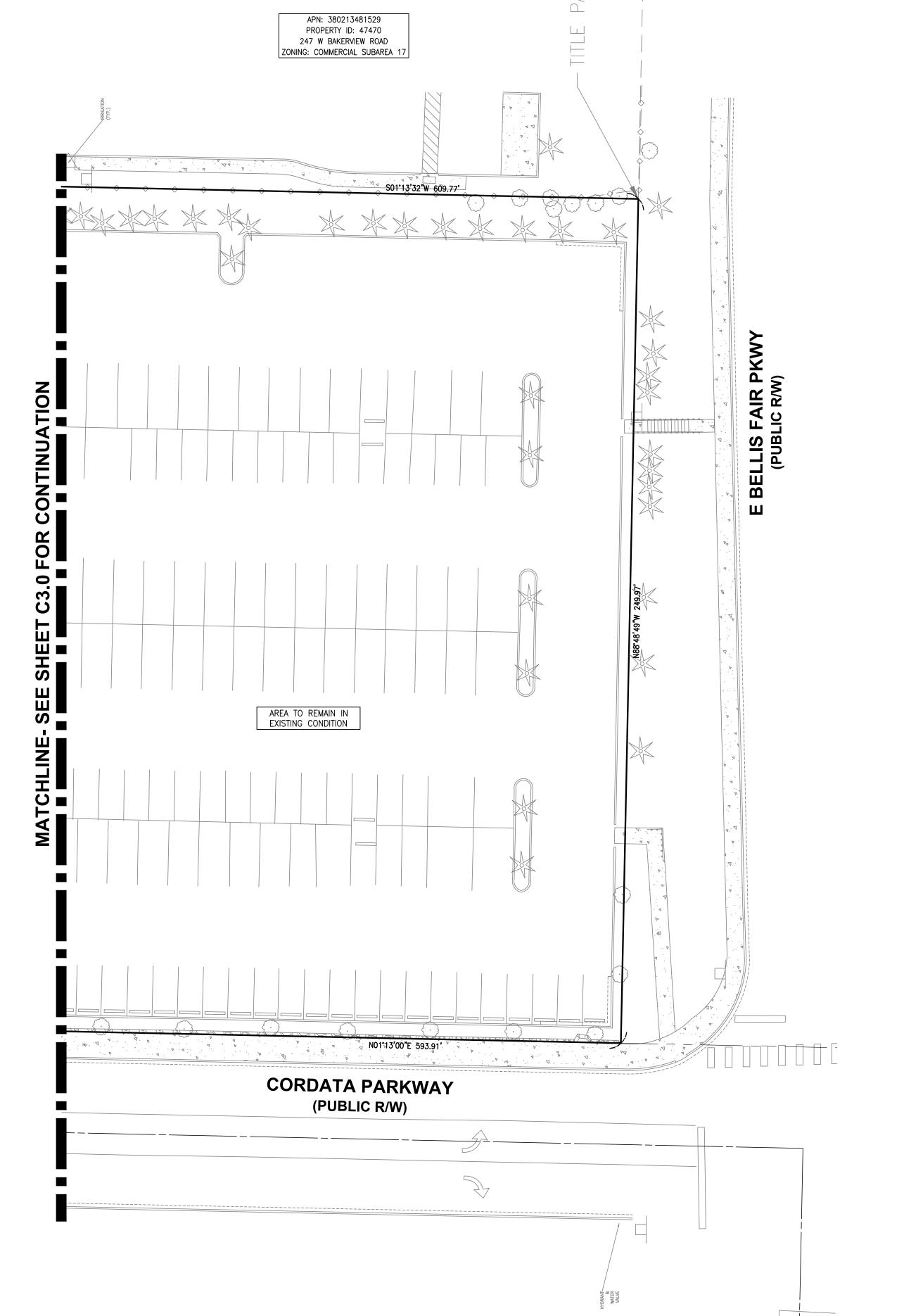
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PRELIMINARY SITE PLAN **CHICK-FIL-A BELLINGHAM**

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA





BUILDING FOOTPRINT

PUBLIC AREAS BREAKDOWN:

- DINING 1,858 SF

- PLAYROOM 264 SF

- RESTROOM/RR VEST: 392 SF

- TOTAL: 2,514

STANDARD SPACES REQUIRED

1 PER 75 SF PUBLIC AREA 33.5 (TOTAL) 2 ADA (1 VAN)

4 ADA

TOTAL PROVIDED

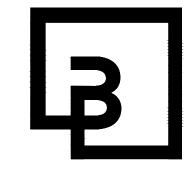
75 STANDARD (79 TOTAL)

BIKE RACKS REQUIRED BIKE RACKS PROVIDED 10% OF PARKING STALLS 3 2 RACKS, 4 SPACES



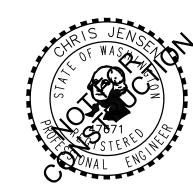


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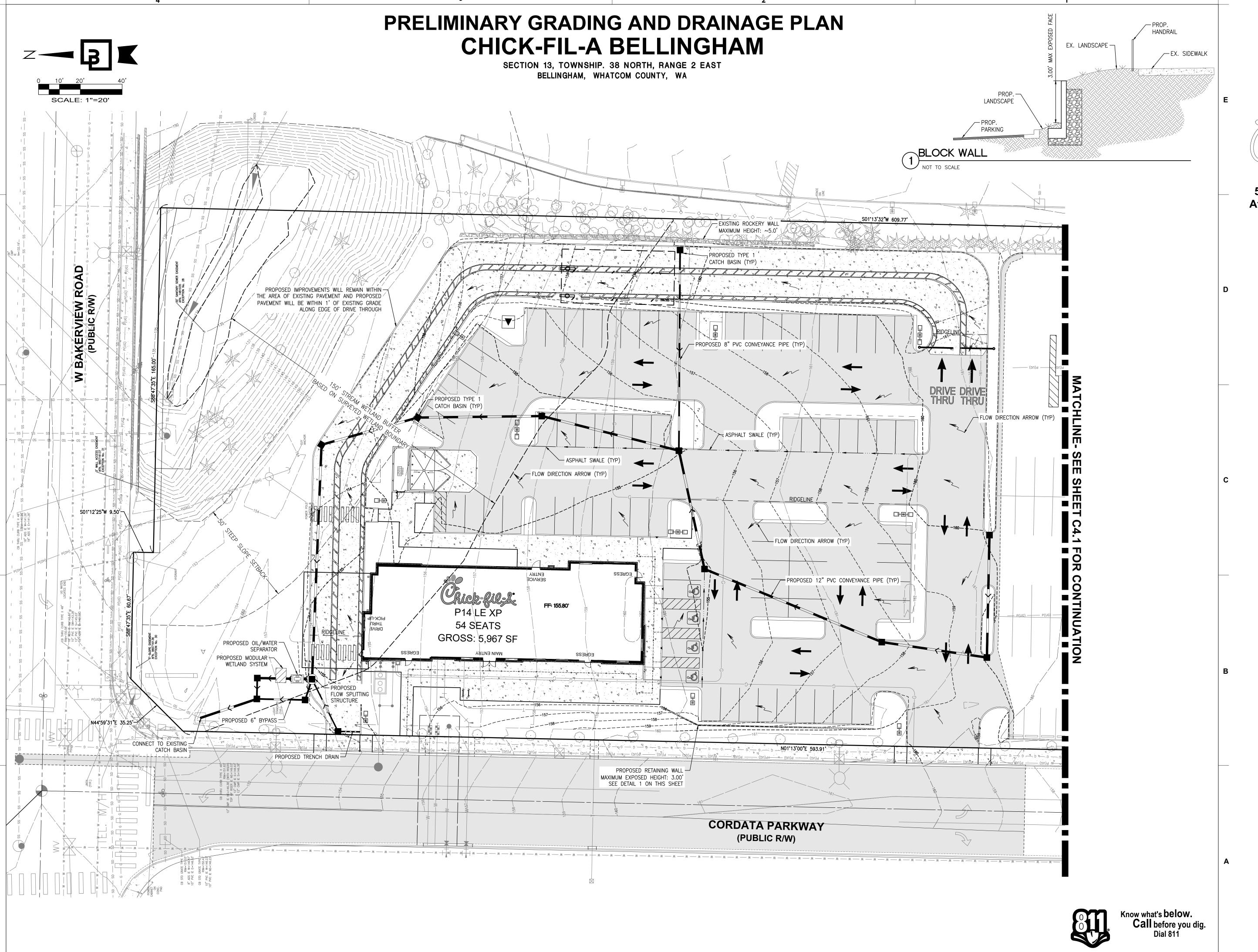
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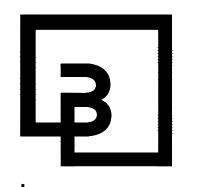


2



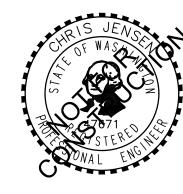


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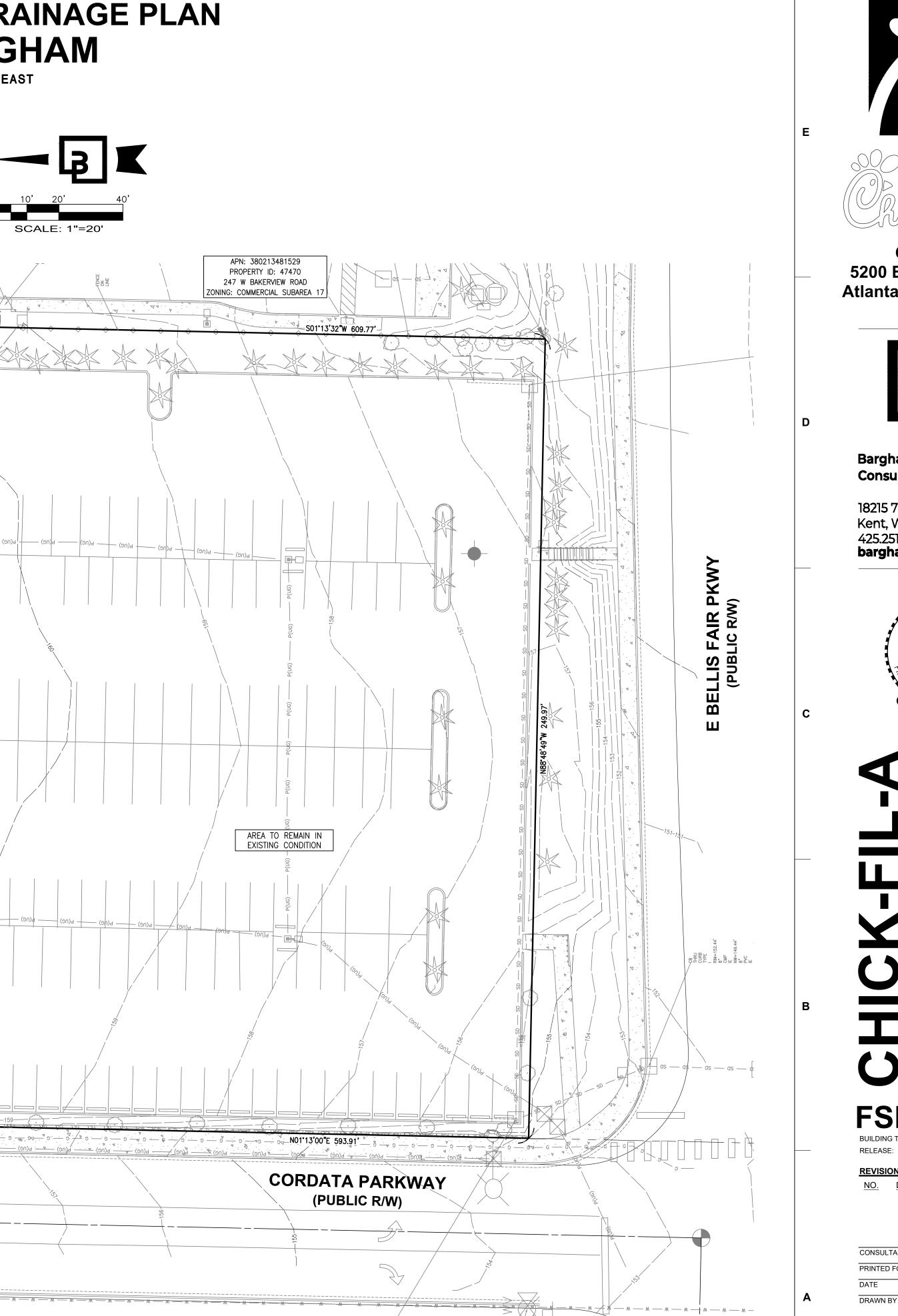
PRELIMINARY GRADING AND DRAINAGE PLAN

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C4.0 OF 10

PRELIMINARY GRADING DRAINAGE PLAN CHICK-FIL-A BELLINGHAM SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA



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Dial 811

APN: 380213481529
PROPERTY ID: 47470
247 W BAKERVIEW ROAD
ZONING: COMMERCIAL SUBAREA 17

AREA TO REMAIN IN EXISTING CONDITION

2

CORDATA PARKWAY

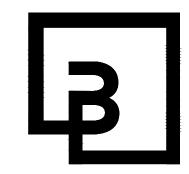
(PUBLIC R/W)

S01°13'32"W 609.77'-



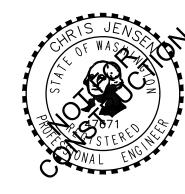


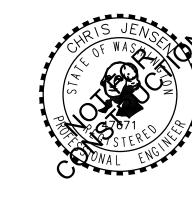
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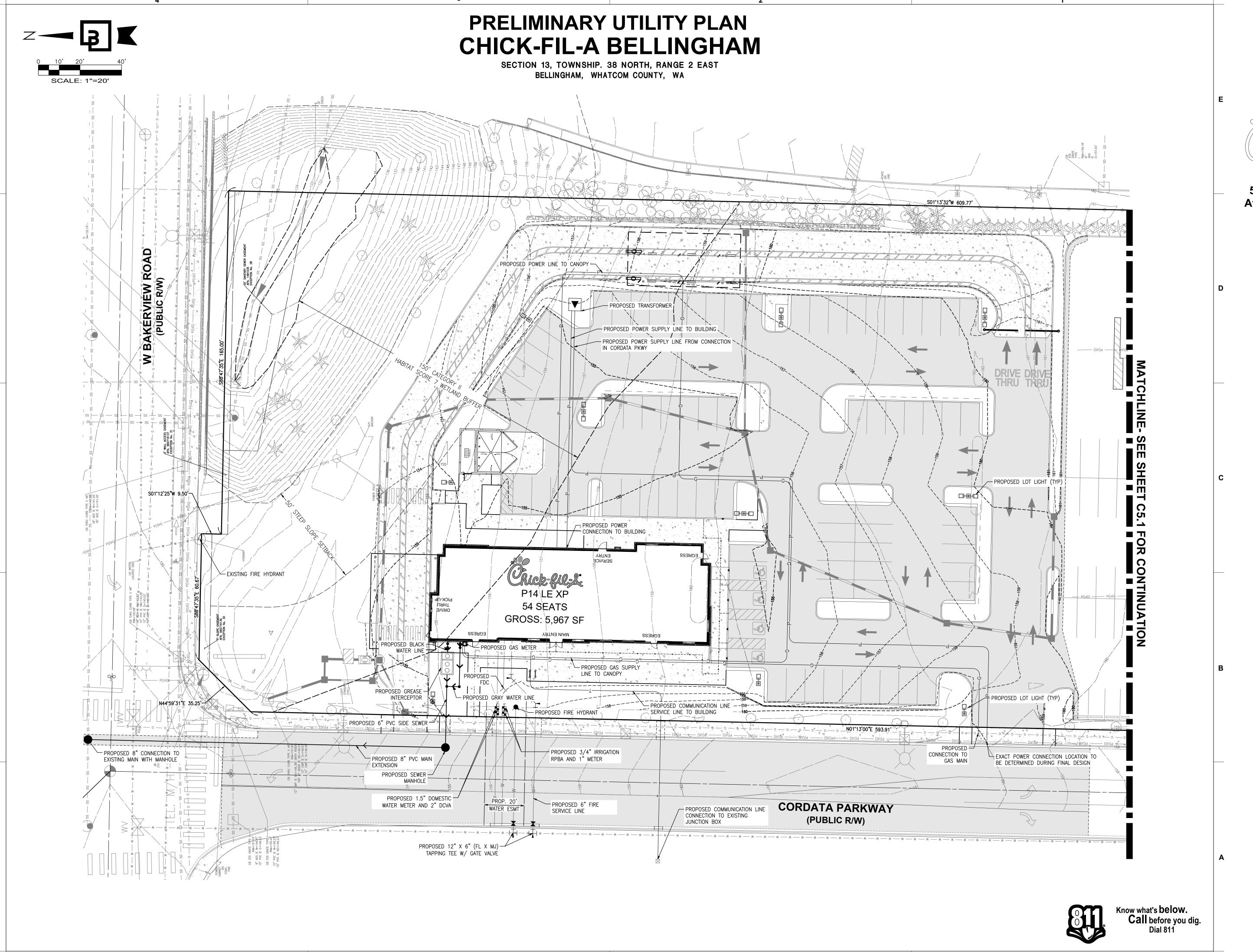
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AND DRAINAGE PLAN SHEET NUMBER

C4.1 OF 10

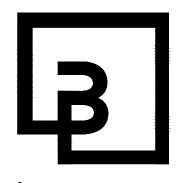


2



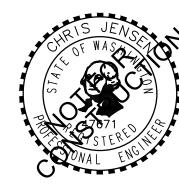


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FSR#05529

RELEASE:

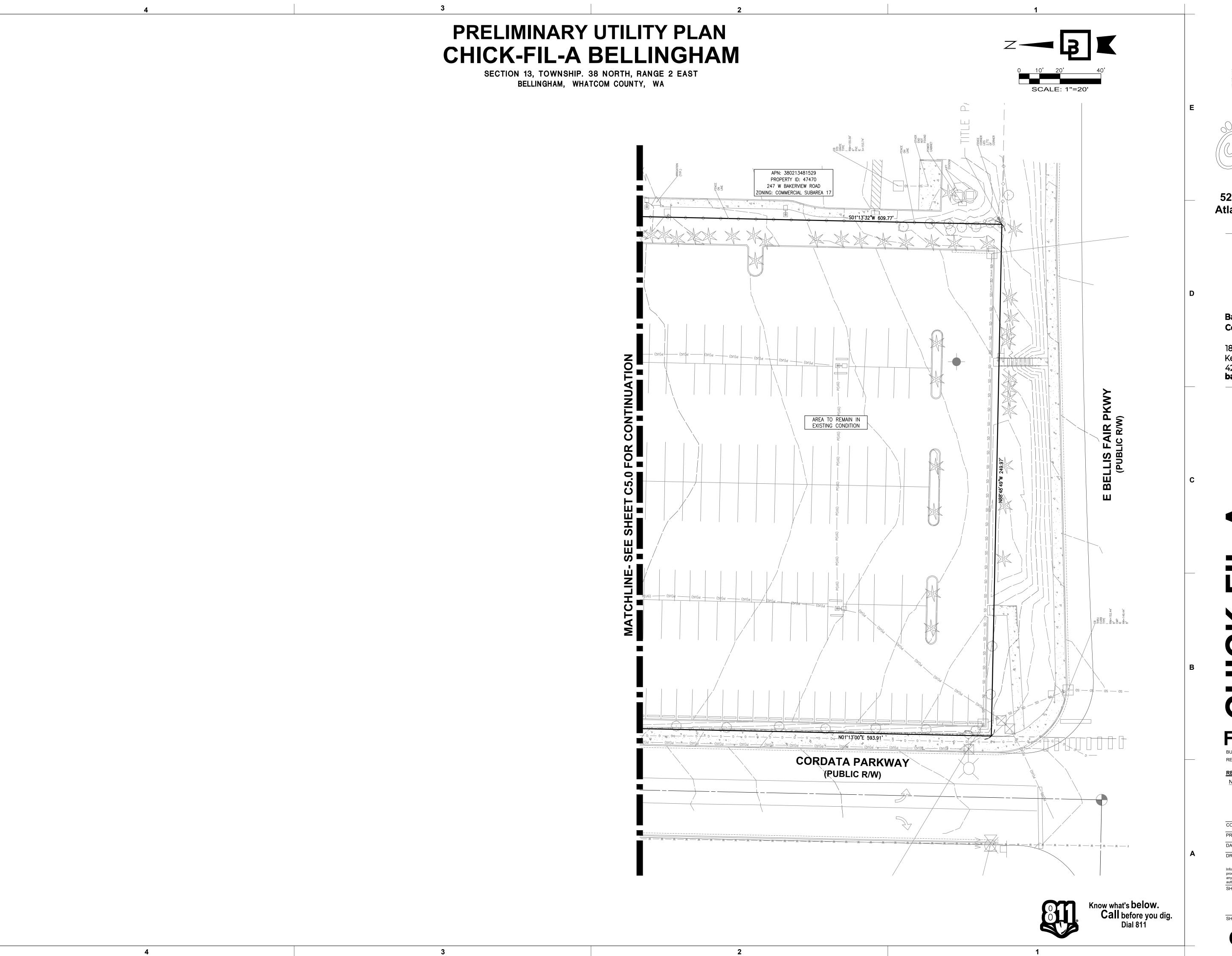
REVISION SCHEDULE NO. DATE DESCRIPTION

CONSULTANT PROJECT #	22779
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DATE	6/18/24
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PRELIMINARY UTILITY PLAN

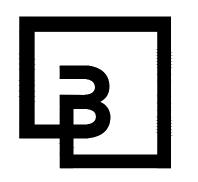
SHEET NUMBER C5.0 OF 10







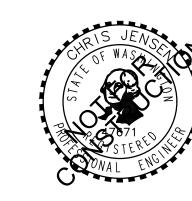
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NO. DATE DESCRIPTION

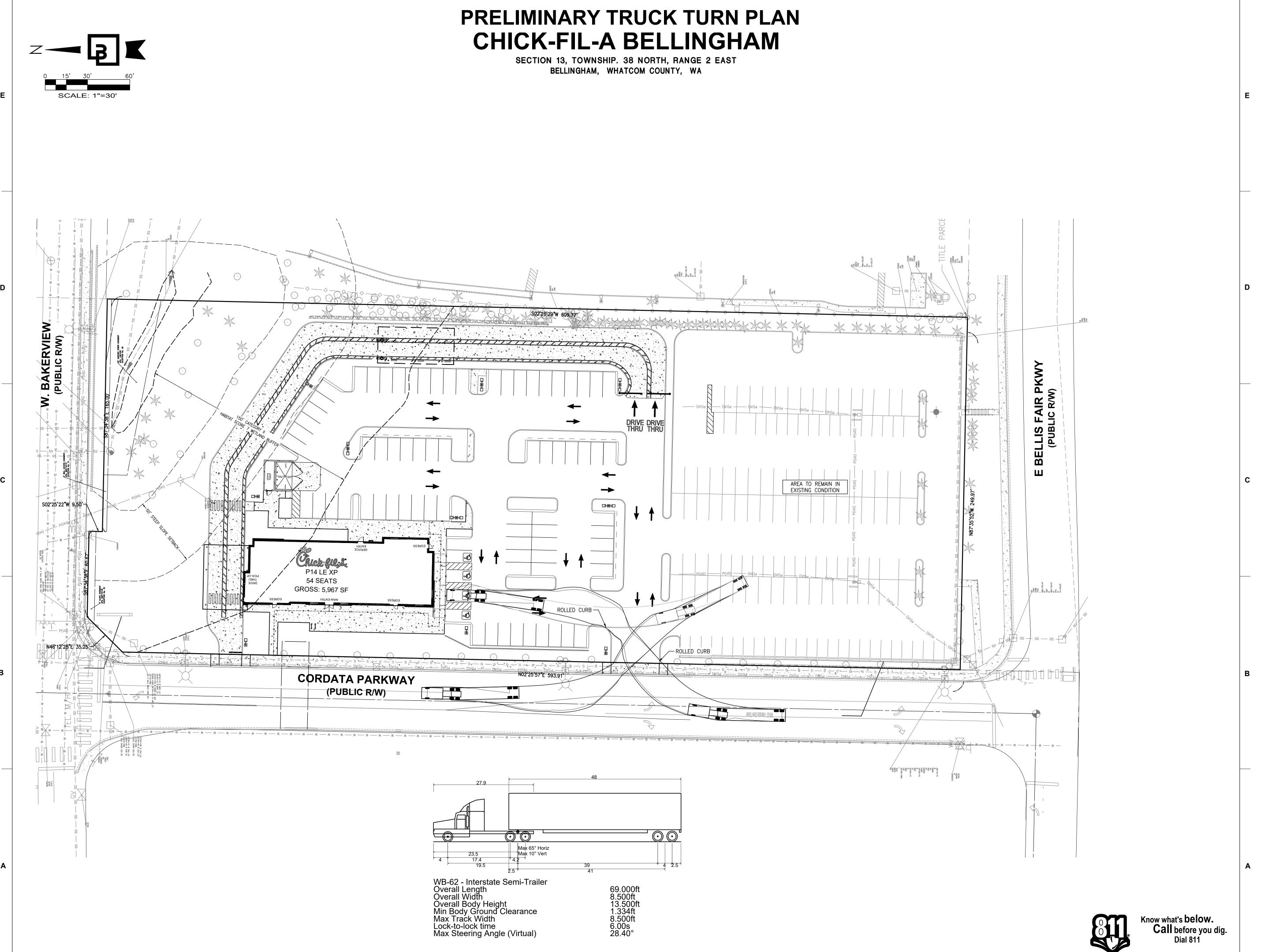
CONSULTANT PROJECT #	00770
	22779
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PRELIMINARY UTILITY PLAN

SHEET NUMBER

C5.1 OF 10

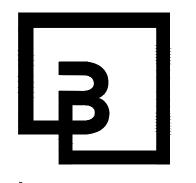


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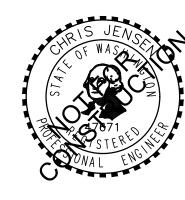


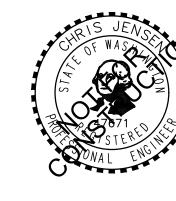
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NO. DATE DESCRIPTION

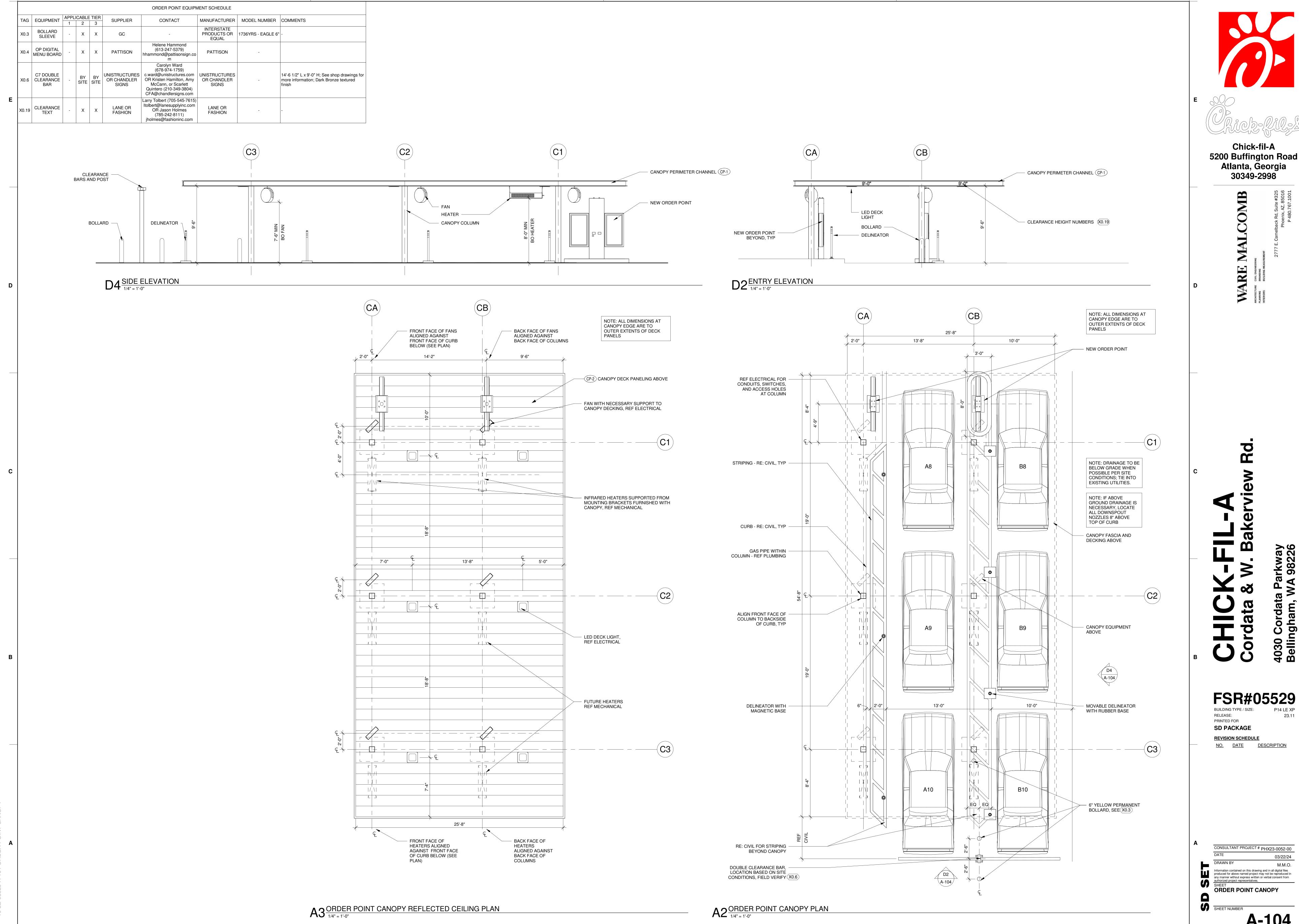
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TURN PLAN SHEET NUMBER

C6.0 OF 10

Exhibit U Architectural Plan set dated June 18, 2024



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SHEET ORDER POINT CANOPY SHEET NUMBER

A-104

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Chick-fil-A

Atlanta, Georgia

30349-2998

WARE CIVIL ENGIN

3

3'-4 1/2" 2'-7 1/2"

20'-8"

W6 M6.J

3'-9" FINISH 10'-0 1/2" FINISH TO FINISH

RAMING TO FRAMING FRAMING TO FRAMING

ABOVE R.O.

FINISH CRITICAL CLEAR DIMENSION

20'-2"

M8.BE

25'-2 7/32"

14'-6 1/4"

1/2" FURRING STRIPS

INTERIOR FINISHES

BETWEEN STUD CAVITIES

TO MAINTAIN CONTINUOUS

- 1/2" FURRING STRIPS BETWEEN STUD CAVITIES

INTERIOR FINISHES

KITCHEN

__8'-11 1/2"____

TO MAINTAIN CONTINUOUS

6'-0"

8'-6 1/2"

QUEUE

10'-0"

MIN 2" AIR SPACE ALL SIDES, TYP.

9'-5 1/4" TO FRAMING 2'-6 1/2"

9'-4 3/4" STOREFRONT

ENTRY VEST

6'-0"

CONCRETE CURB AT MOP SINK TO BE

LOCATED BENEATH

WIC 24'-3" FINISH TO FINISH

CRITICAL CL FAR DIMENSION 24'-4"

FRAMING TO FRAMING

INTERIOR PARTITION

N NORTH WOOD BOARD **FINISH** STAINLESS -STEEL FINISH 3/4" PLYWOOD SHEATHING 1/2" CEMENT — 1/2" CEMENT BOARD 3/4" CEMENT BOARD SHEATHING SHEATHING BOARD SHEATHING WALK-IN TILE BASE TILE BASE MIN. CLEARANCE, FINISH RE: FLOOR PLAN KITCHEN (HOOD) **FLOOR PLAN LEGEND:** r - - - - - 1 CT CABINET RE: ELECTRICAL L _ _ _ _ J

1. REFER TO FLOOR PLAN AND WALL SECTION SHEETS

FOR INSULATION EXTENTS AND LOCATIONS.

2. REFER TO SPECIFICATIONS FOR INSULATION

PRODUCT INFORMATION.

103'-1"

18'-9"

SERVICE

---3'-4" 8 1/2" 5'-11 1/4"

TECH CLOSET

_ _ - - - - - - - - - - - - -

1/2" FURRING STRIPS

INTERIOR FINISHES

TO MAINTAIN CONTINUOUS

9'-3 3/4"

10'-0"

TEAM MEMBER

1/2" FURRING STRIPS

INTERIOR FINISHES

- + - -4'-4" - - | - - - ¹7'-4 3/8"

A.7 REFER TO ACCESSIBILITY PLAN AND OWNER DRAWINGS FOR CONDIMENT COUNTERS

A.8 REFER TO IT WALLBOARD USER GUIDE FOR WALLBOARD INSTALLATION, IF APPLICABLE.

A.10 FREEZER AND COOLER DOORS AND HARDWARE SUPPLIED BY FREEZER/COOLER

A.9 REFER TO MILLWORK PLAN FOR RAISED CONCRETE CURB LOCATIONS.

AND TRASH RECEPTACLES.

BETWEEN STUD CAVITIES

TO MAINTAIN CONTINUOUS

6'-0"

15'-11 1/4"

6'-6 7/8"

6'-0"

19'-1 1/2"

6'-6 5/8"

MDP RE: ELECTRICAL

OWNER RE: FURNITURE PLANS FOR DIMENSIONS _ _ _ _ _ _ _

STEEL WALL BY

AND DETAILS

ITEM BY OWNER

CEILING PLAN

DRAWINGS.

ELECTRICAL

SOFFIT OR BULKHEAD

2-SIDED BRAND ICON

RE: OWNER DRAWINGS

RECESSED PIN AND SLEEVE

BOX. RE: A2/A-604 & MEP

ELECTRICAL PANEL RE:

ABOVE RE: REFLECTED

10'-10 1/2"

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Atlanta, Georgia 30349-2998

WARE CIVIL ENGIN

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SHEET NUMBER

D4 EAST EXTERIOR ELEVATION

3/16" = 1'-0"

 $C4^{\frac{WEST\ EXTERIOR\ ELEVATION}{3/16"\ =\ 1'-0"}}$

T/ HIGH PLATE 20'-10"

CONTROL JOINT 11'-3"

B/ CANOPY 9'-8"

WATER TABLE 3'-0"

C/ SCONCE 8'-0"

T/ LOW PLATE 20'-4 1/2"_

ATTACHED CANOPY SCHEDULE Overall Overall Tie Back Mounting Integral Count | Width | Depth | (Offset From Top) | Lighting | Exterior Canopy 6'-4" 1'-0 FINISH SCHEDULE - EXTERIOR Exterior Canopy 5'-4" 4'-0" 7'-4" 4'-0" Exterior Canopy 28'-4" 4'-0" MARK DESCRIPTION MANUFACTURER MODEL NAME NUMBER COLOR NOTE Exterior Canopy BR-A BRICK VENEER (PRIMARY) *SEE APPROVED BRICK ALTERNATES Grand total MODULAR DC19ST-2703 DARK BRONZE CANOPY METAL FASCIA DURA COAT OIL RUBBED BRONZE METALLIC TEXTURE PVD CANOPY METAL DECK SMOOTH WHITE, HIGH GLOSS **CANOPY NOTES:** DUROLAST / PARAPET WALL COPING MIDNIGHT BRONZE BUILDING MOUNTED CANOPIES - 8" THICK CANOPY - KYNAR FINISH OF STRUCTURE, FASCIA, & EXCEPTIONAL METALS **APPROVED BRICK ALTERNATES** PT-100 EXTERIOR PAINT SHER-CRYL HIGH PERFORMANCE SW 2807 ACRYLIC #B66-350 REFUSE ENCLOSURE. FINISH: SHERWIN WILLIAMS ROOKWOOD DECKING TO MATCH (CP-1) (SEE NATIONAL ACCOUNTS LIST FOR CONTACT INFORMATION) SEMI-GLOSS ON DOOR FRAMES, SATIN ON WALLS FINISH MANUFACTURER MORTAR PLANT LOCATION PREFERRED REGION(S) COLUMN MOUNTED CANOPIES - 10" THICK CANOPY PT-113 EXTERIOR PAINT SHER-CRYL HIGH PERFORMANCE SW DARK BRONZE FINISH: SEMI-GLOSS SHERWIN WILLIAMS - FINISH OF STRUCTURE TO BE (CP-1) - FINISH OF DECKING TO BE (CP-2) BR-A (PRIMARY BRICK) ACRYLIC #B66-350 Bronzetone BR-02 ACME BRICK PALOMA GRAY ARGOS, SAN TAN ELGIN, TX STUCCO SW-7566 FINISH: SAND MEDIUM SHERWIN WILLIAMS POWERWALL WEST HIGHLAND ARGOS, SAN TAN MICA, WA BR-18 MUTUAL MATERIALS IMPERIAL GRAY WHITE ATLANTIC, NORTHEAST, MIDWEST BR-20 GLEN-GERY KHAKI MATT ARGOS, SAN TAN CHESWICK, PA STUCCO FINISH: SAND MEDIUM GENERAL NOTES

1. ALL SIGNAGE PROVIDED BY OTHERS SHERWIN WILLIAMS POWERWALL SW-6172 HARDWARE BR-30 CHEROKEE BRICK LIGHT GRAY SMOOTH ARGOS, SAN TAN MACON, GA SOUTHEAST STOREFRONT YES 45 DARK BRONZE 2. REF FLOOR PLAN AND WINDOW LEGEND FOR STOREFRONT INFORMATION (MATTE)

2'-4" No 2'-4" No OIL EXTRACTION PORT ACCESS BOX

CO2 FILL BOX -RE: KITCHEN LIGHT FIXTURE -RE: ELECTRICAL

CT CABINET - (PT-113)

RE: ELECTRICAL

CONSULTANT PROJECT # PHX23-0052-00

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Atlanta, Georgia 30349-2998

WARE MALCOMB

ARCHITECTURE CIVIL ENGINEERING
PLANNING BRANDING
INTERIOR

VENDOR - RE: ELEC HIGHLAND WHITE #SW7566 FINISH: SAND MEDIUM SCUPPER - PT-113 SEE A2/A-503 SC-2 STUCCO SYSTEM COLOR: HARDWARE #SW6172 FINISH: SAND MEDIUM DOWNSPOUT - PT-113 PREFINISHED METAL SEE A4/A-503 COPING COLOR: MIDNIGHT BRONZE MDP - (PT-113) RE: ELECTRICAL

 $B4^{\frac{SOUTH\ EXTERIOR\ ELEVATION}{3/16"\ =\ 1'\cdot 0"}}$

CONTROL JOINT 13'-0" B/ CANOPY 9'-8" C/ SCONCE 8'-0" WATER TABLE 3'-0"

/ LOW PLATE 20'-4 1/2"

Chick-fil:&

Chick-fil-L

T/ LOW PLATE 20'-4 1/2" CONTROL JOINT 13'-0" B/ CANOPY 9'-8" WATER TABLE 3'-0"

T/ HIGH PLATE 20'-10"

B2 NORTH EXTERIOR ELEVATION
3/16" = 1'-0"

EXPANSION JOINT, BRICK VENNER SEALANT COLOR TO (BR-A) COLOR: MIDNIGHT SKY MATCH MORTAR COLOR, SIZE: MODULAR RE: SPECIFICATIONS STUCCO SYSTEM COLOR: WEST CARD READER BY SECURITY

T/ HIGH PLATE 20'-10"

CONTROL JOINT 13'-0"

B/ CANOPY 9'-8'

C/ SCONCE 8'-0'

WATER TABLE 3'-0"

TO SLAB 0"

CONTROL JOINT 1

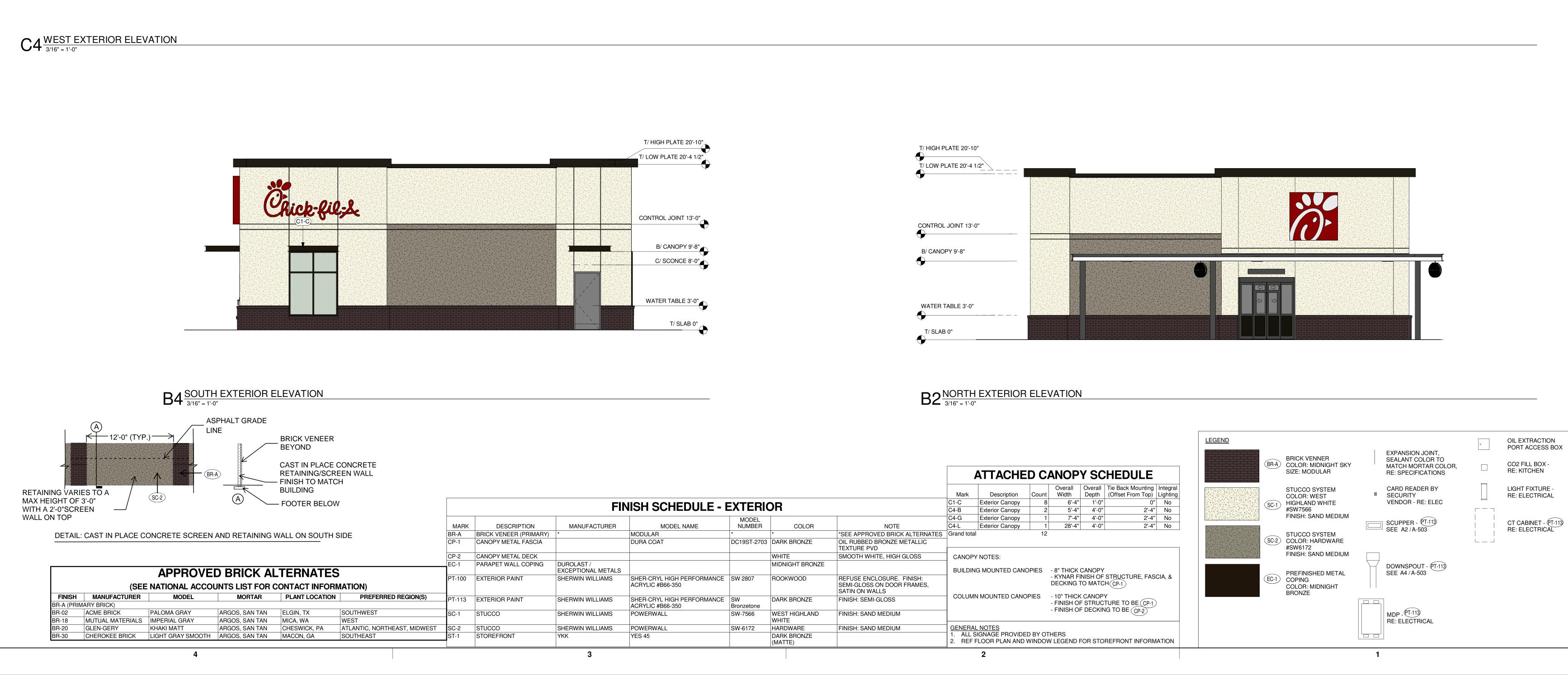
T/ LOW PLATE 20'-4 1/2

A-301

03/22/24

D4 EAST EXTERIOR ELEVATION

3/16" = 1'-0"









T/ HIGH PLATE 20'-10"

T/ LOW PLATE 20'-4 1/2

CONTROL JOINT 13'-0"

B/ CANOPY 9'-8"

C/ SCONCE 8'-0'

WATER TABLE 3'-0"

TO SLAB 0"

CONTROL JOINT 11

Chick-fil-L

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WARE MALCOMB

ARCHITECTURE CIVIL ENGINEERING
PLANNING BRANDING
INTERIORS.

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SHEET NUMBER **A-301**







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> SITE ADAPT LOGO AND ADDRESS

PROTOTYPICAL SET

NOT FOR REGULATORY APPROVAL, BIDDING, OR CONSTRUCTION

CK-FIL-A
a & W. Bakerview

SR#05529

RELEASE: 2
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PROJECT STATUS

REVISION SCHEDULE

REVISION SCHEDULE

NO. DATE DESCRIPTION

CONSULTANT PROJECT # ####

DATE MM/DD/YY

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SHEET

PERSPECTIVE VIEWS

SHEET NUMBER

TO AC-1 TMG EQUAL TO ERICO 1#6 IN 3/4" CONDUIT TO TO AC-2 34; 150A TO AC-3 TGBA24L14P BELOW DEMARQ PHONE/ISP SERVICE FOR ISP/PHONE SERVICE 28; 100A 28; 100A - GROUND PER NEC 250; 1#6 IN 3/4" CONDUIT TO PANEL MDP 1200A MCB GROUND ROD. THE GFCI BRANCH BREAKERS IN PANELS D1, D2 AND D3 ARE 65K SERIES RATED WITH AN UPSTREAM BREAKER NO LARGER THAN 250 AMP. THE 250 AMP PANELS D1, D2 AND D3 ARE 55" HIGH AND 250/3/ST 250/3/ST CANNOT BE STACKED. PANEL D3 250A MLO PANEL C 250A MLO PANEL B 250A MLO PANEL POS 100A MLO PANEL D1 250A MLO PANEL D2 250A MLO 250/3/ST 150/3 PROVIDE A JUMPER ON THE LUGS OF PANEL-POS SO 100/3 100/3 THAT BOTH PHASE BARS ARE TIED TO THE ONE 120V PHASE CONDUCTOR FROM 250/3 250/3 THE PIB TVSS — NEUTRAL BAR 20/1/M 250/3 30/3 - #4/0 MAIN **BONDING** JUMPER 1#6 IN 3/4" 1200/3 MCB CONDUIT -100% RATED 41; 250A 41; 250A 4+IG; 20A 41; 250A 41; 250A 41; 250A 41; 250A 4; 20A - GROUND BAR (BONDED TO THE ÈNCLOSURE) FIELD CONNECT SURGE ARRESTOR TO MAIN LUGS ----PROVIDE ELECTRICAL — BRANCH FEEDER MARK NUMBER WITH - INTER SYSTEM BONDING TERMINATION SERVICE PER PSE AMPERAGE, REFER TO THE CONDUIT POWER INTERFACE BOX (PIB). PROVIDE INCOMING EQUAL TO ERICO #IBTB NEXT TO REQUIREMENT AND CONDUCTORS SCHEDULE (THIS J-BOX AND OUTGOING J-BOX FLUSH IN THE WALL SERVICE ENTRANCE OUTSIDE SHEET) FOR REQUIREMENTS (TYP) -WITH FLEX CONDUIT CONNECTIONS TO THE PIB. THE CONDUCTORS ARE TO CONNECT TO THE - REFER TO THE ELECTRICAL PLAN AND/OR GROUND PER NEC 250; 1#3/0 MINIMUM IN 3/4"C TO MAIN WATER SERVICE TERMINAL BLOCKS OF THE PIB. SITE PLAN FOR ROUTING TO THE POWER PIPE WITH 1#4 FROM THE MAIN WATER SERVICE PIPE TO THE GROUNDING COMPONENTS (I.E. GROUND ROD, CONCRETE ENCASED ELECTRODE) AND COMPANY'S TRANSFORMER AND THRU A METER IF IT IS ON THE BUILDING (WITH CT A #3/0 BONDING JUMPER (PER 250.53.C AND TABLE 250.66) TO THE STEEL CABINET) OR ON THE TRANSFORMER. STRUCTURE - IF APPLICABLE.

SINGLE-LINE DIAGRAM NOTES

- 1. VERIFY SERVICE LOCATIONS AND CONFORM TO THE REQUIREMENTS OF THE POWER COMPANY AND/OR DEVELOPER. POWER COMPANY AND/OR DEVELOPER SHALL BE CONTACTED PRIOR TO BEGINNING CONSTRUCTION TO ARRANGE AND VERIFY FOR THE INSTALLATION OF THE POWER COMPANY SERVICE, METER, AND OTHER ITEMS.
- 2. GROUND ALL EQUIPMENT AND SERVICES IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LOCAL APPLICABLE CODES, AND ALSO AS INDICATED ON DRAWINGS.
- 3. MAKE NECESSARY INSPECTIONS OF EXISTING SITE AND SERVICE LOCATIONS AS REQUIRED FOR THIS WORK AND MAKE ALLOWANCE FOR EXISTING CONDITIONS BEFORE SUBMITTING BID. VERIFY WORK REQUIRED WITH POWER COMPANY AND TELEPHONE COMPANY.
- 4. CUT AND PATCH THE CONSTRUCTION WORK AS REQUIRED FOR PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL MATCH THE SURROUNDING WORK TO THE SATISFACTION OF THE ARCHITECT. ALL CONDUIT SHALL BE INSTALLED CONCEALED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT. COORDINATE SAW CUTTING WITH LANDLORD'S OR OWNER'S REPRESENTATIVE.
- 5. WIRE AND CABLE: A. CONDUCTORS SHALL BE COPPER, #12 AWG, MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE. B. CONDUCTOR #10 AWG AND SMALLER SHALL BE SOLID AND #8 AWG AND
- 6. PROVIDE ENGRAVED LAMINATED PHENOLIC BLOCK-ON-WHITE (UNLESS NOTED OTHERWISE) NAMEPLATES SECURED TO EQUIPMENT WITH ADHESIVE AND SCREWS FOR PANELBOARDS, RELAY CABINETS, TRANSFORMERS, DISTRIBUTION BOARDS, AND MAIN PANELBOARD - IDENTIFYING EQUIPMENT DESIGNATION (CORRESPONDING WITH DESIGNATION USED ON DRAWINGS) AND EQUIPMENT VOLTAGE. LETTERING SHALL BE 1/4" HIGH. PROVIDE LABELS FOR CIRCUIT BREAKERS, FUSIBLE SWITCHES AND STARTERS IN PANELBOARDS AND DISTRIBUTION BOARDS FOR EACH DEVICE IDENTIFYING EQUIPMENT

LARGER SHALL BE STRANDED. INSULATION SHALL BE 600 VOLT, THHN/THWN.

7. ALL DEVICES SHALL HAVE AN INTERRUPTING CAPACITY NOT LESS THAN THE POWER COMPANY AVAILABLE FAULT CURRENT, OR AS INDICATED ON THE

CONTROLLED. LETTERING SHALL BE 1/8" HIGH.

- 8. 120/208 VOLT BRANCH CIRCUIT PANELBOARD BREAKERS SHALL HAVE A MINIMUM U.L. SERIES RATING OF 65 KAIC WITH UP-STREAM FEEDER BREAKERS
- 9. AVAILABLE SPACE FOR MAIN PANELBOARD IS LIMITED. PANELBOARD MUST FIT IN ALLOCATED SPACE. COORDINATE WITH CONSTRUCTION AS REQUIRED.
- 10. ALL WIRING SHALL BE IN CONDUIT, E.M.T OR RIGID. FLEXIBLE CONDUIT MAY ONLY BE USED FOR FINAL CONNECTIONS AND WITH GREEN EQUIPMENT GROUNDING CONDUCTORS.

SWITCHGEAR AND CONTROL EQUIPMENT NOTES

- PURCHASE PANELBOARDS, SURGE ARRESTOR, AND TVSS FROM AN APPROVED NATIONAL ACCOUNTS VENDOR (SEE SHEET E-902 SECTION C16440, PANELBOARDS) PROVIDING SQUARE-D EQUIPMENT. NO SUBSTITUTIONS ALLOWED.
- 2. PURCHASE CONTROL PANEL 'CFA-T500' FROM SUNCOAST ENVIRONMENTAL, INC. (NO SUBSTITUTIONS ALLOWED). ALL EQUIPMENT IN THE CONTROL PANEL SHALL BE INSTALLED, WIRED AND CONNECTED AT THE FACTORY, INCLUDING AUTOMATIC LIGHTING CONTROL SYSTEM, LIGHTING RELAYS, HVAC STARTERS, POWER SUPPLIES, MISCELLANEOUS RELAYS AND CONTROLS, AND THERMOSTATS.
- 3. CONTRACTOR SHALL PROVIDE PANEL FEEDERS A, B, C, D1, D2, D3, AND POS, BRANCH CIRCUIT CONDUIT AND WIRE, AND INSTALL ALL EQUIPMENT AS REQUIRED.
- 4. ALL BREAKERS AND PANELS SHALL BE SQUARE-D.
- 5. TVSS AND SURGE ARRESTOR UNITS SHALL BE MOUNTED DIRECTLY ADJACENT TO THE SIDE OF THE MAIN DISTRIBUTION PANEL IN NEMA 3R ENCLOSURES. CLOSE NIPPLE THE UNITS TO THE SIDE OF THE PANEL. PROVIDE CONNECTION OF TVSS UNIT TO BREAKER IN PANEL. CONNECT SURGE ARRESTOR TO MAIN INCOMING LUGS OF THE PANEL. CONNECT USING MINIMUM LENGTH OF WIRE WITHOUT SHARP BENDS IN THE WIRE AND SHALL NOT BE LENGTHENED FROM WIRE LENGTH PROVIDED WITH THE TVSS OR SURGE SUPPRESSOR DEVICE.

\sim	, 005			1			DNDL									
Mark	OCP Device		uctors	Dha		onducto leutral	ors Min Eq G		No.		ceway Neutra				ies) With IG	
No.	(Amp/Poles)	Total	75d C	Qty	Size	Type	Qty/Set	Size	Sets	EMT		RIGID	PVC	EMT	IMC	PVC
1	20/1	20	-	2	_	THHN		12	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
2	20/2	20	_	3	12	THHN		12	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
3	20/3	20	_	4	12	THHN		12	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
4	25/1	30	_	2	_	THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
5	25/2	30	_	3	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
6	25/3	30	_	4		THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
7	30/1	30	_	2		THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
8	30/2	30	-	3		THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
9	30/3	30	_	4	10	THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
10	40/1	40	_	2	8	THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
11	40/2	40	_	3	8	THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
12	40/3	40	_	4	8	THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	1.0
13	45/3	55	<u> </u>	4	6	THHN		10	One	1.00	1.00	1.00	1.00	1.00	1.00	1.0
14	50/1	55	_	2	6	THHN		10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.7
15	50/1	55		3	6	THHN		10	One	0.75	0.75	0.75	0.75	1.00	1.00	1.0
16	50/2	55		4	6	THHN	1	10	One	1.00	1.00	1.00	1.00	1.00	1.00	1.0
17	60/1	70	_	2	4	THW	1	8	One	1.00	1.00	1.00	1.00	1.25	1.00	1.2
18	60/1	70		3	4	THW	1	8	One	1.25	1.00	1.25	1.25	1.25	1.25	1.2
19	60/2	70	-	4	4	THW	1	8		1.25	1.00	1.25	1.25	1.25	1.25	1.2
20	70/1	70	-	2	<u> </u>	THW	1	8	One	1.25	1.25	1.25	1.23	1.25		1.2
21	70/1	70	-	3	4	THW	1	8	One	1.00		1.00	1.00	1.25	1.00	1.2
22		70	-	-	4		1	8	One	1.25	1.00	1.25	1.25	1.25	1.25	1.2
	70/3		-	4	4	THW			One							
23	80/2	85	-	3	3	THW	1	8	One	1.25	1.25	1.25	1.25	1.25	1.25	1.2
24 25	80/3 90/2	85 95	-	3	3	THW	1	8	One	1.25 1.25	1.25 1.25	1.25 1.25	1.25 1.25	1.50 1.50	1.25 1.25	1.5
		95	-		2	THW	1		One One	1.50			1.50	1.50	1.25	1.5
26	90/3		-	3		_	1	8					_		_	_
27	100/2 100/3	110	-	-	1	THW	1	6	One	1.50	1.50	1.50	1.50 2.00	2.00	2.00	2.0
28		110	450	4	1	THW	1	6	One	2.00	2.00	2.00	-	2.00	2.00	2.0
29	110/2	-	150	3	1/0	THW	1	6	One	1.25	1.25	1.25	1.25	1.50	1.25	1.5
30	110/3	-	150	4	1/0	THW	1	6	One	1.50	1.25	1.50	1.50	1.50	1.50	1.5
31	125/2	-	150	3	1/0	THW	1	6	One	1.50	1.50	1.50	1.50	2.00	2.00	2.0
32	125/3	-	150	4	1/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00	2.0
33	150/2	-	150	3	1/0	THW	1	6	One	2.00	1.50	2.00	2.00	2.00	2.00	2.0
34	150/3	-	150	4	1/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00	2.0
35	175/2	-	175	3	2/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00	2.0
36	175/3	-	175	4	2/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.50	2.50	2.5
37	200/2	-	200	3	3/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.50	2.50	2.5
38	200/3	-	200	4	3/0	THW	1	6	One	2.50	2.50	2.50	2.50	2.50	2.50	2.5
39	225/2	-	230	3	4/0	THW	1	4	One	2.50	2.00	2.50	2.50	2.50	2.50	2.5
40	225/3	-	230	4	4/0	THW	1	4	One	2.50	2.50	2.50	2.50	2.50	3.00	3.0
41	250/3	-	255	4	250	THW	1	4	One	2.50	3.00	3.00	3.00	3.00	3.00	3.0
42A	300/3	-	285	4	300	THW	1	4	One	3.00	3.00	3.00	3.00	3.00	3.00	3.0
42B	300/3	-	310	4	350	THW	1	4	One	3.00	3.00	3.00	3.00	3.00	300	3.0
43A	350/3	-	335	4	400	THW	1	4	One	3.00	3.50	3.50	3.50	3.50	3.50	3.5
43B	350/3	-	380	4	500	THW	1	4	One	3.50	3.50	3.50	3.50	3.50	3.50	3.5
44A	400/3	-	380	4	500	THW	1	3	One	3.50	3.50	3.50	3.50	3.50	3.50	3.5
44B	400/3	-	400	4	3/0	THW	1	3	Two	2.50	2.50	2.50	2.50	2.50	2.50	2.5
45A	600/3	-	570	4	300	THW	1	1	Two	3.00	3.00	3.00	3.00	3.00	3.00	3.0
45B	600/3	-	620	4	350	THW	1	1	Two	3.00	3.00	3.00	3.00	3.00	3.00	3.5
46A	800/3	-	760	4	500	THW	1	1/0	Two	3.50	3.50	3.50	3.50	3.50	3.50	3.5
46B	800/3	-	820	4	600	THW	1	1/0	Two	4.00	4.00	4.00	4.00	4.00	4.00	4.0
47	1000/3	-	1005	4	400	THW	1	2/0	Three	3.50	3.50	3.50	3.50	3.50	3.50	3.5
48	1200/3	-	1240	4	350	THW	1	3/0	Four	3.50	3.50	3.50	3.50	3.50	3.50	4.0
49	1600/3	_	1675	4	1400	THW	1	4/0	Five	4.00	4.00	4.00	4.00	4.00	4.00	4.0

Conductors are rated at 600 volt or below and are to be copper.

NEC Table 310.15(B)(16) - formerly Table 310.16 - is used for the basis of the conductor ampacities, which is not more than three current carrying conductors in a raceway at an ambient temperature of 30 deg C with 60 deg C rated conductors and connectors per 110.14-C-1 for up to 100 amp rated and up to #1 AWG conductors for equipment terminations and 75 deg C rated conductors and termination connectors for larger than 100 amp or above #1 AWG conductors.

NEC Tables 4, 5, and Appendix C is used for the basis of the conduit sizes. Table C1 for EMT, Table C4 for IMC, Table C8 for Rigid, and Table C10 for PVC (Sch 40).

All Branch Feeders and Branch Circuits shall include a green Equipment Grounding Conductor.

Omit Grounding conductor on Service Entrance Feeders.

Omit Neutral conductor on all Delta primary transformer feeders or single-phase 2 pole loads and 3 phase loads not requiring a neutral.

The above conductors are not calculated for Voltage Drop. Any circuits that exceed 100 feet shall be calculated by the Installer to have less than a three percent voltage drop on feeders and five percent on branch circuits per the NEC.



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

WARE MALEOMB Leading Design for Commercial Real Estate

4683 Chabot Drive, Ste 300 Pleasanton, CA 94588 P 925.244.9620 F 925.244.9621

RELEASE:

REVISION SCHEDULE

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SINGLE LINE DIAGRAM

SHEET NUMBER

SINGLE LINE DIAGRAM

NTS

CONDUIT AND CONDUCTOR SCHEDULE

NTS

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CANOPY 1	+	42.6 fc	61.3 fc	11.3 fc	5.4:1	3.8:1
CANOPY 2	+	37.0 fc	50.7 fc	15.5 fc	3.3:1	2.4:1
PARKING/DRIVEWAY	+	3.3 fc	24.4 fc	1.0 fc	24.4:1	3.3:1

 $\boxed{0.1 \mid 0.1 \mid 0.0 \mid 0.0 \mid 0.1 \mid 0.1 \mid 0.0 \mid 0.0 \mid 0.1 \mid 0.$ $0.1 \ | \ 0.2 \ | \ 0.3 \ | \ 0.3 \ | \ 0.3 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1 \ | \ 0.1$ 0.3 0.4 0.5 0.6 0.8 1.0 1.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.8 1.9 1.5 1.9 1.8 1.5 1.6 1.5 1.3 1.1 0.9 0.8 0.8 0.7 0.7 0.6 0.4 0.3 0.4 0.4 0.6 0.6 0.6 0.6 0.5 0.4 0.3 0.2 0.3 0.4 0.4 0.4 0.3 0.3 0.2 0.3 0.4 0.4 0.4 0.3 0.3 0.2 0.2 0.2 0.2 0.1 0.1 0.2 0.2 0.2 $0.4 \ \ 0.6 \ \ 0.7 \ \ 0.9 \ \ 1.2 \ \ 1.5 \ \ 1.8 \ \ 2.1 \ \ 2.2 \ \ 2.4 \ \ 2.7 \ \ 2.7 \ \ 2.6 \ \ 2.4 \ \ 2.3 \ \ 2.0 \ \ 1.7 \ \ 1.4 \ \ 1.1 \ \ 0.8 \ \ 0.7 \ \ 0.5 \ \ 0.4 \ \ 0.3 \ \ 0.2 \ \ 0.1 \ \ 0.1 \ \ 0.1 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0$ 0.5 0.7 0.9 1.2 1.5 1.9 2.3 2.6 2.6 2.7 3.2 3.5 3.9 3.5 3.1 2.7 2.7 2.7 2.4 2.0 1.8 1.6 1.5 1.5 1.5 1.7 1.9 2.1 2.2 2.3 2.6 2.6 $0.6 \quad 0.8 \quad 1.0 \quad 1.2 \quad 1.5 \quad 1.8 \quad 2.1 \quad 2.4 \quad 2.4 \quad 2.7 \quad 3.3 \quad 3.7 \quad 4.2 \quad 3.6 \quad 3.1 \quad 2.6 \quad 2.5 \quad 2.5 \quad 2.3 \quad 2.1 \quad 2.0 \quad 2.0 \quad 2.1 \quad 2.2 \quad 2.3 \quad 2.5 \quad 2.8 \quad 2.9 \quad 2.8 \quad 3.1 \quad 3.6 \quad 4.7 \quad 2.0 \quad 2.0 \quad 2.1 \quad 2.2 \quad 2.3 \quad 2.5 \quad 2.8 \quad 2.9 \quad 2.8 \quad 3.1 \quad 3.6 \quad 4.7 \quad 2.0 \quad 2.0 \quad 2.1 \quad 2.2 \quad 2.3 \quad 2.5 \quad 2.8 \quad 2.9 \quad 2.8 \quad 3.1 \quad 3.6 \quad 4.7 \quad 2.0 \quad 2.0 \quad 2.1 \quad 2.2 \quad 2.3 \quad 2.5 \quad 2.8 \quad 2.9 \quad 2.8 \quad 3.1 \quad 3.6 \quad 4.7 \quad 2.0 \quad 2.0 \quad 2.1 \quad 2.2 \quad 2.3 \quad 2.5 \quad 2.8 \quad 2.9 \quad 2.8 \quad 3.1 \quad 3.6 \quad 4.7 \quad 2.0 \quad 2.0$ [0.7]ullet 0.6 ullet 0.8 ullet 1.0 ullet 1.1 ullet 1.6 ullet 2.0 ullet 2.2 ullet 2.3 ullet 2.4 ullet 2.7 ullet 3.2 ullet 3.4 ullet 3.0 ullet 2.5 ullet 4 ullet 2.2 ullet 2.1 ullet 2.0 ullet 2.1 ullet 2.2 ullet 4 ullet 2.6 ullet 2.7 ullet 3.0 ullet 3.6 ullet 4.4 ullet $\boxed{0.7 \ \ 0.9 \ \ 1.0 \ \ 1.3 \ \ 1.5 \ \ 1.9 \ \ 2.2 \ \ 2.3 \ \ 2.5 \ \ 2.9 \ \ 3.5 \ \ 4.2 \ \ 4.2 \ \ 4.0 \ \ 3.9 \ \ 3.8 \ \ 3.5 \ \ 2.9 \ \ 2.3 \ \ 1.8 \ \ 1.4 \ \ 1.1 \ \ 0.9 \ \ 0.7 \ \ 0.5 \ \ 0.4 \ \ 0.3 \ \ 0.2 \ \ 0.1 \ \ 0.1 \ \ 0.1 \ \ 0.0 \ \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \ \ 0.0 \$ ullet 0.6 ullet 0.8 ullet 0.9 ullet 1.1 ullet 1.3 ullet 1.8 ullet 2.0 ullet 2.1 ullet 2.3 ullet 2.6 ullet 3.2 ullet 3.3 ullet 3.1 ullet 2.5 ullet 2.3 ullet 2.3 ullet 2.3 ullet 3.3 ullet 3.5 ullet 3.5 ullet 3.5 ullet 3.0 ullet 2.7 ullet 3.0 ullet 3.5 ullet 3.5 ullet 3.5 ullet 3.7 ullet 3.7 ullet 3.8 ullet 3.9 ullet 3.8 ul $ar{2}.6$ _0.6_0.8_0.9_1.0_1.2_1.4_1.7_1.9_2.2_2.5_2.9_3.3_3.4_3.3_2.9_2.5_2.3_2.1_2.0_1.9_1.9_1.9_1.9_2.0_2.1_2.2_2.4_2.5_2.6_2.7_3.2_3<u>.6_3</u>.6_3.2_2.7_ _2.8 | 3.6 | 4.9 | 7 | 4 | 12.2 | 15.4 | 15.0 | 15.0 | 12.7 | 7.3 | 3.8 | 2.3 | 1.6 | 1.2 | 0.9 | 0.7 | 0.6 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 5.5 27.7 30.7 29.5 30.3 19.5 5.5 2.8 1.7 1.3 1.0 0.7 0.6 0.5 0.3 0.2 0.2 0.1 0.1 0.1 0.0 0.0 0.0 2.8 3.6 5.4 40.045.143.944.129.2 , 7.4 , 3.4 , 2.0 , 1.4 , 1.0 , 0.8 , 0.6 , 0.5 , 0.4 , 0.3 , 0.2 , 0.1 , 0.1 , 0.1 , 0.0 , 0.0 0.7 0.8 0.9 1.0 1.2 1.3 1.5 1.7 1.8 2.0 2.1 2.2 2.2 2.2 2.2 2.1 2.0 2.0 1.9 1.8 1.8 1.9 1.9 2.0 2.1 2.2 2.3 2.5 2.6 2.7 2.8 2.9 3.2 3.3 3.2 CKO2S: 2'867 SF <u>4</u>3.649.246.749.831.0 7.7 3.5 2.1 1.4 1.1 0.8 0.6 0.5 0.4 0.3 0.2 0.1 0.1 0.1 0.1 0.0 0.0 ullet 42.0 47. ullet 45.9 46.8 30 5 ullet 7.7 ullet 3.6 ullet 2.1 ullet 1.1 ullet 0.8 ullet 0.6 ullet 0.5 ullet 0.3 ullet 0.2 ullet 0.1 ullet 0.1 ullet 0.0 ullet 0.0 ullet22.4 44.4 49.6 47.0 50.7 31 0 7.6 3.5 2.1 1.4 1.0 0.8 0.6 0.5 0.3 0.3 0.2 0.1 0.1 0.1 0.1 0.0 0.0 | 0.7 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.3 | 1.4 | 1.5 | 1.5 | 1.5 | 1.8 | 2.2 | 2.3 | 2.2 | 1.8 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.8 | 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 | 2.4 | 3.0 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.21.6 41.5 46.4 45.0 46.0 29.8 7.2 3.4 2.0 1.4 1.0 0.8 0.6 0.4 0.3 0.2 0.2 0.1 0.1 0.1 0.1 0.0 0.0 _0.7_0.9_1.0 | 1.1_| 1.2_1.3_| 1.4_| 1.4_| 1.5_| 1.6_| 1.9 | 2.5_| 2.8_| 2.5_| 1.9_| 1.7_| 1.7_| 1.7_| 1.7_| 1.8_| 1.9_| 1.9_| 2.0_| 2.0_| 2.1_| 2.1_| 2.1_| 2.2_| 2.2_| 2.3_| 2.4_| 2.7_| 3.3_/ 4.5_| 4.5_| 20.5 40.3 45.0 42.8 45.6 28.3 6.6 3.0 1.8 1.2 0.9 0.7 0.5 0.4 0.3 0.2 0.2 0.1 0.1 0.1 0.1 0.0 0.0 _0.7_0.8_1.0 | 1.2_1.3_1.3_1.4_1.5_1.7_1.8_2.1_3.0_3.4_2.8_2.1_1.9_1.8_1.7_1.7_1.7_1.8_1.8_1.9_1.9_1.8_1.9_1.9_2.0_2.1_2.2_2.2_2.2_2.3_2.4_2.6_2.8_3.6_5.0_5.0 15.829.933.331.933.321.2 5.2 2.6 1.6 1.1 0.9 0.7 0.5 0.4 0.3 0.2 0.2 0.1 0.1 0.1 0.1 0.0 0.0 0.7 | 0.8 | 1.0 | 1.2 | 1.3 | 1.5 | 1.6 | 1.7 | 1.8 | 2.0 | 2.4 | 3.5 | 4.1 | 3.3 | 2.4 | 2.1 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 2.0 | 2.3 | 2.4 | 2.5 | 2.6 | 2.8 | 3.4 | 3.8 | 5.2 | 5.2 | 5.2 | **ENTRY** $oxed{0.6}$ $oxed{0.8}$ $oxed{1.0}$ $oxed{1.2}$ $oxed{1.4}$ $oxed{1.6}$ $oxed{1.7}$ $oxed{1.9}$ $oxed{2.1}$ $oxed{2.8}$ $oxed{2.8}$ $oxed{2.8}$ $oxed{4.0}$ $oxed{4.8}$ $oxed{3.7}$ $oxed{2.4}$ $oxed{2.1}$ $oxed{2.1}$ $oxed{2.0}$ $oxed{1.9}$ $oxed{1.9}$ ox10.4 13.5 13.4 13.4 11.5 6.7 | 3.5 | 2.1 | 1.4 | 1.0 | 0.8 | 0.6 | 0.4 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 ullet 0.6 | 0.8 | 1.0 | 1.2 | 1.5 | 1.8 | 2.0 | 2.1 | 2.3 | 2.6 | 3.1 | 4.2 | 5.2 | 3.9 | 3.0 | 2.6 | 2.4 | 2.2 | 2.2 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 1.7 | 2.0 | 2.3 | 2.7 | 3.0 | 3.4 | 3.4 | 3.7 | 4.5 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5. 5.3 | 5.9 | 5 9 | 5.6 | 4 9 | 3.6 | 2.5 | 1.7 | 1.2 | 0.9 | 0.7 | 0.5 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 _0.6_0.7_1.0_1.3_1.6_2.0_2.3_2.5_2.7_2.9_3.3_4.3_5.5_4.1_3.3_2.9_2.7_2.6_2.5_2.2_1.9_1.7_1.5_1.5_1.6_1.9_2.3_2.8_3.2_3.8_4.0_4.5_ 3.7 | 3.6 | 3 | 6 | 3.5 | 3 | 2 | 2.6 | 1.9 | 1.5 | 1.1 | 0.8 | 0.6 | 0.5 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 0.5 0.7 0.9 1.3 1.7 2.2 2.6 2.9 3.1 3.3 3.8 4.8 5.9 4.5 3.7 3.3 3.2 3.0 2.7 2.3 1.9 1.6 1.5 1.4 1.5 1.8 2.3 2.8 3.4 4.2 4.9 5.6 3.2 | 3.0 | 3.0 | 3.0 | 2.6 | 2.3 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 3.2 | 2.8 | 3.0 | 2.9 | 2.6 | 2.1 | 1.6 | 1.2 | 0.9 | 0.7 | 0.5 | 0.4 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 3.6 3.0 3.4 3.1 2.6 2.0 1.5 1.1 0.8 0.6 0.4 0.3 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.0 0.0 0.0 | 0.5 | 0.7 | 0.9 | 1.3 | 1.8 | 2.4 | 2.9 | 3.6 | 4.5 | 4.7 | 6.3 | 7.7 | 7.8 | 7.5 | 6.0 | 4.6 | 4.5 | 3.6 | 3.0 | 2.5 | 2.0 | 1.6 | 1.4 | 1.4 | 1.5 | 1.8 | 2.3 | 2.8 | 3.4 | 4.2 | 4.9 | 5.6 | 3.6 | 3.0 | 3.6 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0.5 | 0.7 | 0.9 | 1.2 | 1.8 | 2.4 | 3.0 | 3.8 | 4.7 | 5.1 | 6.5 | 7.2 | 8.4 | 7.2 | 6.5 | 5.0 | 4.6 | 3.7 | 3.1 | 2.5 | 2.0 | 1.6 | 1.4 | 1.4 | 1.6 | 1.9 | 2.3 | 2.8 | 3.2 | 3.8 | 4.0 | 4.5 | 5.8 5.9 4.7 4.4 4.2 3.8 3.4 3.0 2.7 2 5 2.4 2.4 2.4 2.3 2 3 2.2 2.2 2.1 2.0 1.9 1.7 1.5 1.3 0.6 | 0.7 | 0.9 | 1.3 | 1.8 | 2.4 | 3.0 | 3.7 | 4.7 | 4.8 | 6.3 | 8.2 | 8.0 | 8.1 | 6.3 | 4.8 | 4.7 | 3.8 | 3.1 | 2.6 | 2.1 | 1.7 | 1.5 | 1.5 | 1.6 | 1.9 | 2.3 | 2.7 | 3.0 | 3.4 | 3.5 | 3.7 | 4.5 | 5.8 | 5.9 | 4.7 | 4.0 | 3.8 | 3.8 | 3.6 | 3.3 | 3.1 | 2.8 | 2.7 | 2.7 | 2.8 | 2.8 | 2.9 | 2.9 | 2.8 | 2.8 | 2.6 | 2.5 | 2.2 | 1.9 | 1.6 | 1.4 | 0.6 0.8 1.0 1.4 1.9 2.4 2.9 3.5 4.1 4.2 5.5 6.8 7.4 6.6 5.2 4.3 4.2 3.6 3.1 2.6 2.2 1.8 1.7 1.7 1.7 1.9 2.2 2.5 2.8 2.9 3.1 3.3 3.9 5.3 5.3 4.1 3.6 3.5 3.4 3.4 3.3 3.1 2.9 2.8 2.9 3.1 3.2 3.4 3.5 3.5 3.4 3.1 2.9 2.5 2.1 1.8 1.5 3.4 | 2.8 | 3 | 0 | 2.9 | 2 | 4 | 1.9 | 1.4 | 1.0 | 0.7 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 0.7 | 0.8 | 1.1 | 1.5 | 1.9 | 2.4 | 2.8 | 3.2 | 3.5 | 3.6 | 4.3 | 5.4 | 6.4 | 5.1 | 4.2 | 3.7 | 3.7 | 3.4 | 3.1 | 2.7 | 2.3 | 2.0 | 1.8 | 1.8 | 2.0 | 2.2 | 2.3 | 2.4 | 2.6 | 2.8 | 3.1 | 3.8 | 5.3 | 5.3 | 5.3 | 4.0 | 3.4 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3 $\begin{bmatrix} 0.8 & 1.0 & 1.2 & 1.5 & 1.9 & 2.3 & 2.7 & 2.9 & 3.1 & 3.3 & 3.7 & 4.7 & 5.9 & 4.5 & 3.7 & 3.4 & 3.3 & 3.2 & 3.0 & 2.7 & 2.4 & 2.2 & 2.0 & 2.0 & 2.0 & 2.0 & 2.1 & 2.2 & 2.3 & 2.4 & 2.6 & 2.9 & 3.7 & 5.1 & 5.1 & 3.9 & 3.2 & 3.1 & 3.0 & 3.0 & 3.1 & 3.2 & 3.3 & 3.3 & 3.3 & 3.5 & 3.7 & 4.1 & 4.9 & 5.2 & 4.8 & 3.9 & 3.3 & 2.8 & 2.5 & 2.2 & 1/8 & 3.9 & 3.2 & 3.1 & 3.0 & 3.0 & 3.1 & 3.2 & 3.3 & 3$ 0.9 | 1.1 | 1.3 | 1.6 | 2.0 | 2.3 | 2.5 | 2.6 | 2.8 | 3.1 | 3.5 | 4.7 | 5.8 | 4.4 | 3.5 | 3.2 | 3.0 | 2.9 | 2.8 | 2.8 | 2.5 | 2.3 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.4 | 2.7 | 3.4 | 4.6 | 4.7 | 3.6 | 3.1 | 3.2 | 3.4 | 3.6 | 3.7 | 3.8 | 4.0 | 4.7 | 5.8 | 6.0 | 5.8 | 4.5 | 3.6 | 3.1 | 2.8 | 2.5 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2 *(3*.0 2.6 2.3 2.1 1.9 1/8 1.5 1.2 1.0 0.7 0.6 0.4 0.3 0.2 0.2 0.1 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 1.0 | 1.2 | 1.4 | 1.7 | 2.0 | 2.2 | 2.3 | 2.5 | 2.7 | 3.0 | 3.5 | 4.6 | 5.6 | 4.4 | 3.5 | 3.1 | 2.9 | 2.8 | 2.7 | 2.7 | 2.6 | 2.5 | 2.4 | 2.3 | 2.2 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.5 | 3.1 | 4.1 | 4.2 | 3.4 | 3.0 | 3.5 | 3.8 | 4.1 | 4.3 | 4.4 | 4.8 | 6.1 | 7.6 | 7.4 | 7.6 | 5.9 | 4.4 | 3.7 | 3.6 | 3.3 | 2.9 | 2.8 | 2.7 | 2.7 | 2.6 | 2.5 | 2.7 | 2.6 | 2.5 | 2.7 | 2.6 | 2.5 | 2.7 | 2.6 | 2.5 | 2.7 | 2.8 | 2.7 | 2.7 | 2.6 | 2.7 | 2.8 | 2.7 | 2.7 | 2.6 | 2.8 | 2.7 | 2.7 | 2.6 | 2.8 | 2.7 | 2.8 | 2.7 | 2.8 | 2.7 | 2.8 | 2.7 | 2.8 | 2.7 | 2.8 | 2.8 | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2 **/2,9** | 2.9 | 2.5 **/2,2** | 1.9 | 1.7 **/**1.5 | 1.4 | 1.2 | 0.9 | 0.7 | 0.6 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.3 | 1.5 | 1.7 | 2.0 | 2.2 | 2.3 | 2.4 | 2.6 | 2.8 | 3.3 | 4.4 | 5.2 | 4.2 | 3.3 | 3.0 | 2.9 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.4 | 2.3 | 2.3 | 2.2 | 2.3 | 2.4 | 3.0 | 3.7 | 3.7 | 3.3 | 2.9 | 3.0 | 3.2 | 3.5 | 3.9 | 4.5 | 5.2 | 5.7 | 5.8 | 5.8 | 6.2 | 7.2 | 8.2 | 6.9 | 8.1 | 7.0 | 5.8 | 5.2 | 5.0 | 4.7 | 4.1 | 3.3 | 3.0 | 2.9 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.4 | 2.3 | 2.3 | 2.2 | 2.2 | 2.3 | 2.4 | 3.0 | 3.7 | 3.7 | 3.3 | 2.9 | 3.0 | 3.2 | 3.5 | 3.9 | 4.5 | 5.2 | 5.7 | 5.8 | 5.8 | 6.2 | 7.2 | 8.2 | 6.9 | 8.1 | 7.0 | 5.8 | 5.2 | 5.0 | 4.7 | 4.1 | 3.3 | 3.0 | 2.9 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.4 | 2.3 | 2.3 | 2.2 | 2.2 | 2.3 | 2.4 | 3.0 | 3.7 | 3.7 | 3.3 | 2.9 | 3.0 | 3.2 | 3.5 | 3.9 | 4.5 | 5.2 | 5.7 | 5.8 | 5.8 | 6.2 | 7.2 | 8.2 | 6.9 | 8.1 | 7.0 | 5.8 | 5.2 | 5.0 | 4.7 | 4.1 | 3.3 | 3.0 | 2.9 | 2.7 | 2.7 | 2.6 | 2.6 | 2.8 | 2.8 | 2.8 | 3.3 | 2.2 | 2.2 | 2.3 | 2.4 | 2.6 | 2.8 | 3.3 | 2.2 | 2.2 | 2.3 | 2.4 | 2.6 | 2.8 | 3.3 | 2.9 | 3.0 | 2.9 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.4 | 2.3 | 2.3 | 2.2 | 2.3 | 2.4 | 3.0 | 3.7 | 3.7 | 3.0 | 3.2 | 3.5 | 3.9 | 4.5 | 5.2 | 5.7 | 5.8 | 5.8 | 5.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 6.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7.2 | 8.2 | 7 **1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |** 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.2 | 2.4 | 2.5 | 2.7 | 2.9 | 3.2 | 4.2 | 4.7 | 4.1 | 3.3 | 3.0 | 2.9 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 3.1 | 3.5 | 3.2 | 3.4 | 3.8 | 4.3 | 4.8 | 5.3 | 5.4 | 5.4 | 5.8 | 7.0 | 8.2 \boxed{97}/9 | 8.1 | 6.8 | 5.5 | 4.8 | 4.6 | 4.3 | 3.8 | 3.1 | 2.4 | 3.8 | 3.1 | 2.4 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | 3.8 | 3.1 | **½**.0 , 2.6 , 2.**5**/, **½**.1 , 1.8 , 1.6/, 1.3 , 1.2 , 1.1 , 1.0 , 0.8 , 0.7 , 0.6 , 0.4 , 0.3 , 0.3 , 0.2 , 0.1 , 0.1 , 0.1 , 0.1 , 0.0 , 0.0 , 0.0 , 0.0 , 0.0 , 0.0 1.0 1.3 1.5 1.8 2.0 2.3 2.5 2.7 2.9 3.1 3.4 4.2 4.5 4.1 3.3 3.1 2.9 2.7 2.6 2.5 2.5 2.5 2.5 2.5 2.6 2.6 2.7 2.8 2.9 2.9 2.9 3.0 3.1 3.4 3.5 3.5 3.3 2.9 2.9 2.9 3.0 3.1 3.3 3.6 3.9 4.1 4.1 4.6 5.7 7.2 7.1 7.2 5.6 4.2 3.5 3.3 3.1 2.6 2.2 2.0 **2.**0 2.2 2.4 2.3 2.0 1.7 1.4 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.1 0.1 0.1 0.0 0.0 0.0 0.0 0.0 $\downarrow 1.1$ $\downarrow 1.3$ $\downarrow 1.8$ $\downarrow 2.0$ $\downarrow 2.3$ $\downarrow 2.7$ $\downarrow 2.9$ $\downarrow 3.2$ $\downarrow 3.8$ $\downarrow 3.7$ $\downarrow 4.2$ $\downarrow 4.4$ $\downarrow 4.1$ $\downarrow 3.5$ $\downarrow 3.2$ $\downarrow 2.9$ $\downarrow 2.7$ $\downarrow 2.6$ $\downarrow 2.5$ $\downarrow 2.5$ $\downarrow 2.5$ $\downarrow 2.5$ $\downarrow 2.5$ $\downarrow 2.5$ $\downarrow 2.6$ $\downarrow 2.7$ $\downarrow 2.8$ $\downarrow 3.0$ $\downarrow 3.5$ $\downarrow 3.6$ $\downarrow 3.0$ $\downarrow 3.2$ $\downarrow 3.5$ $\downarrow 3.6$ $\downarrow 3.6$ $\downarrow 3.6$ $\downarrow 3.6$ $\downarrow 3.7$ $\downarrow 4.2$ $\downarrow 4.4$ $\downarrow 4.1$ $\downarrow 3.5$ $\downarrow 3.6$ $\downarrow 3.5$ $\downarrow 3.0$ $\downarrow 2.8$ $\downarrow 2.4$ $\downarrow 2.1$ $\downarrow 1.7$ √2.2 | 2.1 | 2√2 √2.1 | 1.8 | 1√6 | 1.4 | 1.2 | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | **1.2.6** 2.4 2.0 2.0 1.9 1.7 1.5 1.3 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.3 0.2 0.2 0.1 0.1 0.1 0.0 0.0 0.0 0.0 0.0 1.1 1.3 1.5 1.8 2.0 2.3 2.7 3.1 3.4 3.7 4.1 4.4 4.4 4.2 3.7 3.2 2.9 2.7 2.6 2.5 2.5 2.5 2.5 2.6 2.7 2.8 3.1 3.4 3.7 3.9 4.0 4.0 4.0 3.8 3.6 3.1 2.8 2.6 2.5 2.5 2.5 2.6 2.8 2.9 3.1 3.3 3.7 4.2 4.9 5.1 4.9 4.0 3.3 2.8 2.4 2.1 1.8 1.11 $\begin{pmatrix} 2.9 & 2.4 & 2 \end{pmatrix} 1 \begin{pmatrix} 1.9 & 1.8 & 1.6 & 1.4 & 1.2 & 1.1 & 0.9 & 0.8 & 0.7 & 0.6 & 0.6 & 0.5 & 0.4 & 0.3 & 0.3 & 0.2 & 0.2 & 0.1 & 0.1 & 0.1 & 0.1 & 0.0 &$ 1.1 1.3 1.6 1.9 2.2 2.5 2.8 3.3 3.8 4.6 5.3 5.4 5.2 4.4 3.8 3.3 3.0 2.8 2.7 2.6 2.5 2.5 2.6 2.7 2.9 3.1 3.3 3.6 4.1 4.9 5.4 5.3 4.7 4.0 3.6 3.3 3.1 2.9 2.7 2.5 2.4 2.4 2.4 2.5 2.7 3.0 3.2 3.3 3.4 3.4 3.3 3.0 2.8 2.6 2.2 1.9 1.1 | 1.3 | 1.6 | 2.0 | 2.3 | 2.7 | 3.1 | 3.3 | 3.9 | 4.6 | 5.5 | 5.7 | 5.1 | 4.3 | 3.8 | 3.5 | 3.3 | 3.0 | 2.9 | 2.7 | 2.6 | 2.6 | 2.7 | 3.0 | 3.2 | 3.4 | 3.6 | 3.9 | 4.6 | 5.7 | 6.5 | 6.0 | 5.2 | 4.3 | 3.8 | 3.6 | 3.4 | 3.2 | 2.9 | 2.7 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2 *∥*3∕6 , 3.3 , 3.0∕/ 2∕6 , 2.2 , 1.9∕/1.7 , 1.4 , 1.2 , 1.1 , 1.0 , 0.9 , 0.7 , 0.6 , 0.6 , 0.5 , 0.4 , 0.3 , 0.3 , 0.2 , 0.2 , 0.1 , 0.1 , 0.1 , 0.1 , 0.1 , 0.1 , 0.0 1.3 | 1.6 | 1.9 | 2.3 | 2.8 | 3.2 | 3.4 | 3.7 | 4.5 | 6.0 | 6.8 | 7.2 | 6.7 | 5.2 | 4.2 | 3.8 | 3.8 | 3.6 | 3.4 | 3.3 | 3.3 | 3.4 | 3.5 | 3.8 | 4.0 | 4.2 | 4.3 | 4.5 | 5.7 | 7.3 | 7.5 | 7.8 | 6.7 | 5.3 | 4.5 | 4.4 | 4.3 | 4.0 | 3.7 | 3.4 | 3.1 | 2.9 | 2.7 | 2.6 | 2.5 | 2.4 | 2.4 | 2.3 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.0 | 2/2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2 √, 3.7 _| 3.2 <u>|</u>2.8 √, 2.5 | 2.2 | 1∕√, 9 | 1.7 | 1.4 | 1.2 | 1.1 | 0.9 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 2.1 | 2.6 | 3.3 | 3.9 | 4.4 | 4.6 | 4.8 | 5.6 | 7.2 | 8.4 | 7.8 | 6.3 | 5.2 | 4.9 | 4.9 | 4.8 | 4.5 | 4.2 | 4.0 | 4.1 | 4.4 | 4.9 | 5.3 | 5.6 | 5.9 | 6.9 | 8.1 | 8.5 | 8.5 | 7.8 | 6.7 | 6.0 | 6.0 | 5.9 | 5.6 | 5.0 | 4.3 | 3.8 | 3.4 | 3.0 | 2.7 | 2.4 | 2.2 | 2.0 | 1.9 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | **4**.5 | 4.0 | 3**.2 | 2**.8 | 2.6 | 2**.3** | 2.0 | 1.7 | 1.4 | 1.2 | 1.0 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 1.8 1.7// 3.1 | 2.8 | 2.5 | 2.1 | 1.7 | 1.4 | 1.1 | 0.9 | 0.8 | 0.6 | 0.5 | 0.5 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 2.2 2.8 3.6 4.5 5.1 5.4 5.6 6.3 **7.5 6** 7.9 6.8 5.9 5.7 5.7 5.4 4.9 4.4 4.1 4.1 4.3 4.6 5.0 5.1 5.2 5.5 6.6 8.0 **8**3 8.7 7.8 6.6 6.0 6.1 6.2 6.0 5.6 5.0 4.5 4.0 3.6 3.1 2.6 2.2 1.8 1.6 1.4 4.5 | 4.3 | 3.8 | 3.7 | 3.4 | 2/9 | 2.4 | 2.0 | 1.6 | 1.3 | 1.0 | 0.8 | 0.7 | 0.5 | 0.5 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.1 | 1.3 | 1.6 | 2.0 | 2.3 | 2.6 | 3.0 | 3.4 | 4.2 | 4.9 | 5.1 3.0 2.9 2.9 2.9 2.9 3.4 3.4 2.9 2.4 1.9 1.5 1.2 0.9 0.7 0.6 0.5 0.4 0.3 0.2 0.2 0.2 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.020.7 32.4 36.9 38.6 38.8 38.7 38.2 36.8 33.4 23.9 11.3 0.8 1.0 1.2 1.5 1.7 2.0 2.4 2.8 3.3 4.0 4.4 4.4 4.2 3.7 3.2 2.8 2.5 2.3 2.1 2.0 1.9 1.9 2.0 2.1 2.2 2.5 2.8 3.3 3.4 4.2 4.5 4.8 5.4 7.5 15.7 30 5.0 50.1 55\textbf{c} 59.2 58.\textbf{b} $0.8 \quad 0.9 \quad 1.1 \quad 1.3 \quad 1.6 \quad 1.8 \quad 2.2 \quad 2.6 \quad 2.9 \quad 3.2 \quad 3.5 \quad 3.5 \quad 3.4 \quad 3.2 \quad 2.9 \quad 2.6 \quad 2.3 \quad 2.1 \quad 1.9 \quad 1.8 \quad 1.8$ $0.7 \quad 0.8 \quad 1.0 \quad 1.2 \quad 1.4 \quad 1.7 \quad 2.0 \quad 2.3 \quad 2.5 \quad 2.7 \quad 2.8 \quad 2.8 \quad 2.7 \quad 2.6 \quad 2.4 \quad 2.1 \quad 1.9 \quad 1.8 \quad 1.7 \quad 1.6 \quad 1.6 \quad 1.7 \quad 1.8 \quad 1.9 \quad 2.1 \quad 2.4 \quad 2.6 \quad 2.7 \quad 2.9 \quad 3.1 \quad 3.4 \quad 4.3 \quad 7.1 \quad 16 \quad 4.3 \quad 2.9 \quad 2.9 \quad 2.8 \quad 2.8 \quad 2.7 \quad 2.6 \quad 2.4 \quad 2.1 \quad 1.9 \quad 1.0 \quad$ 0.7 0.8 0.9 1.1 1.3 1.5 1.7 1.9 2.1 2.1 2.2 $1.8 \quad 2.1 \quad 2.7 \quad 4.1 \quad 7.8 \quad 15.3 \quad 21.2 \quad 23.8 \quad 24.4 \quad 24.0 \quad 23.9 \quad 23.4 \quad 22.5 \quad 19.3 \quad 12.8 \quad 5.7 \quad 2.5 \quad 1.3 \quad 1.1 \quad 1.2 \quad 1.3 \quad 1.2 \quad 1.3 \quad 1.2 \quad 1.3 \quad$ 0.5 0.5 0.5 0.6 0.8 0.9 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.0 $0.4 \quad 0.4 \quad 0.5 \quad 0.5 \quad 0.4 \quad 0.4 \quad 0.4 \quad 0.4 \quad 0.4 \quad 0.4 \quad 0.5 \quad 0.6 \quad 0.6$

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3





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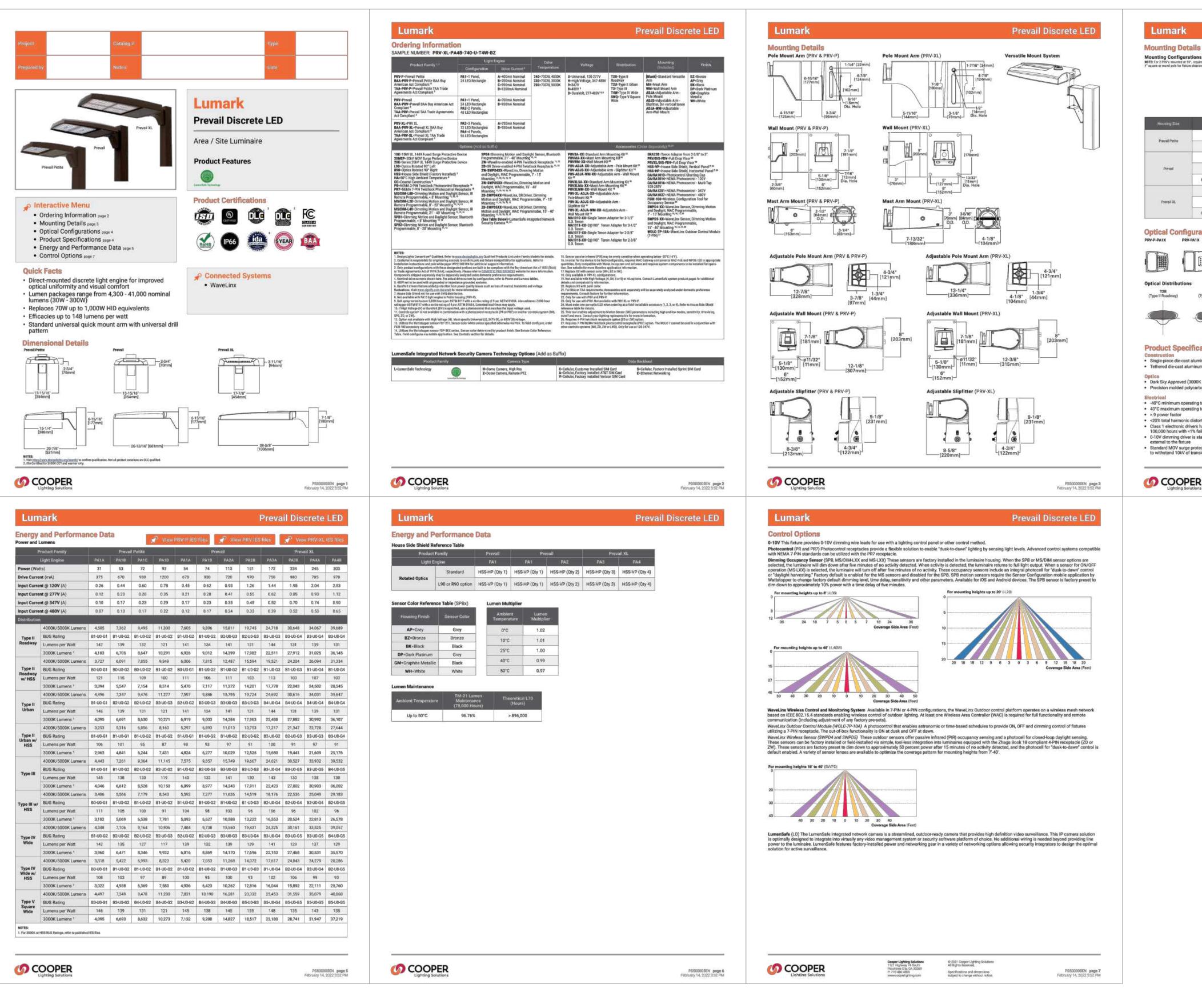
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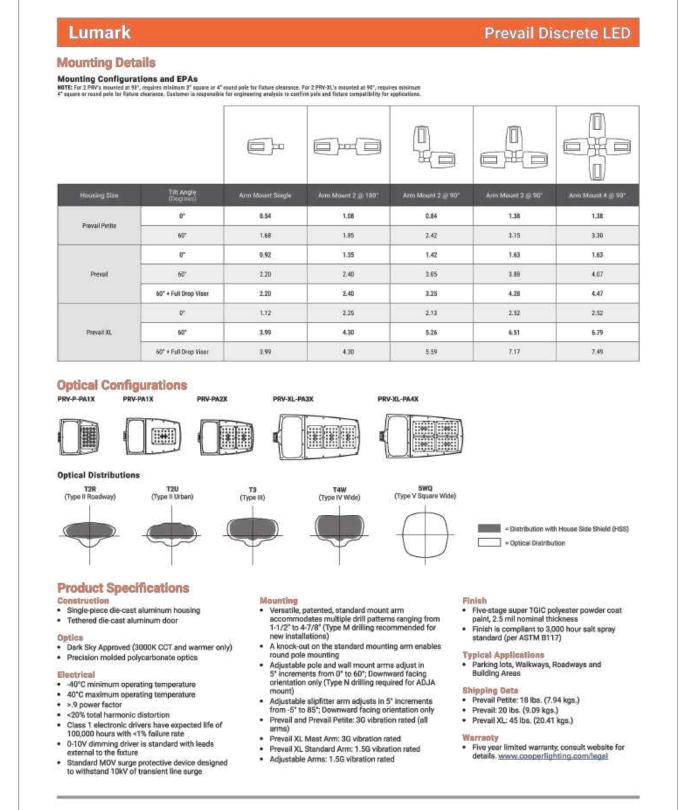
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1/16" = 1'-0"

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FSR#05529

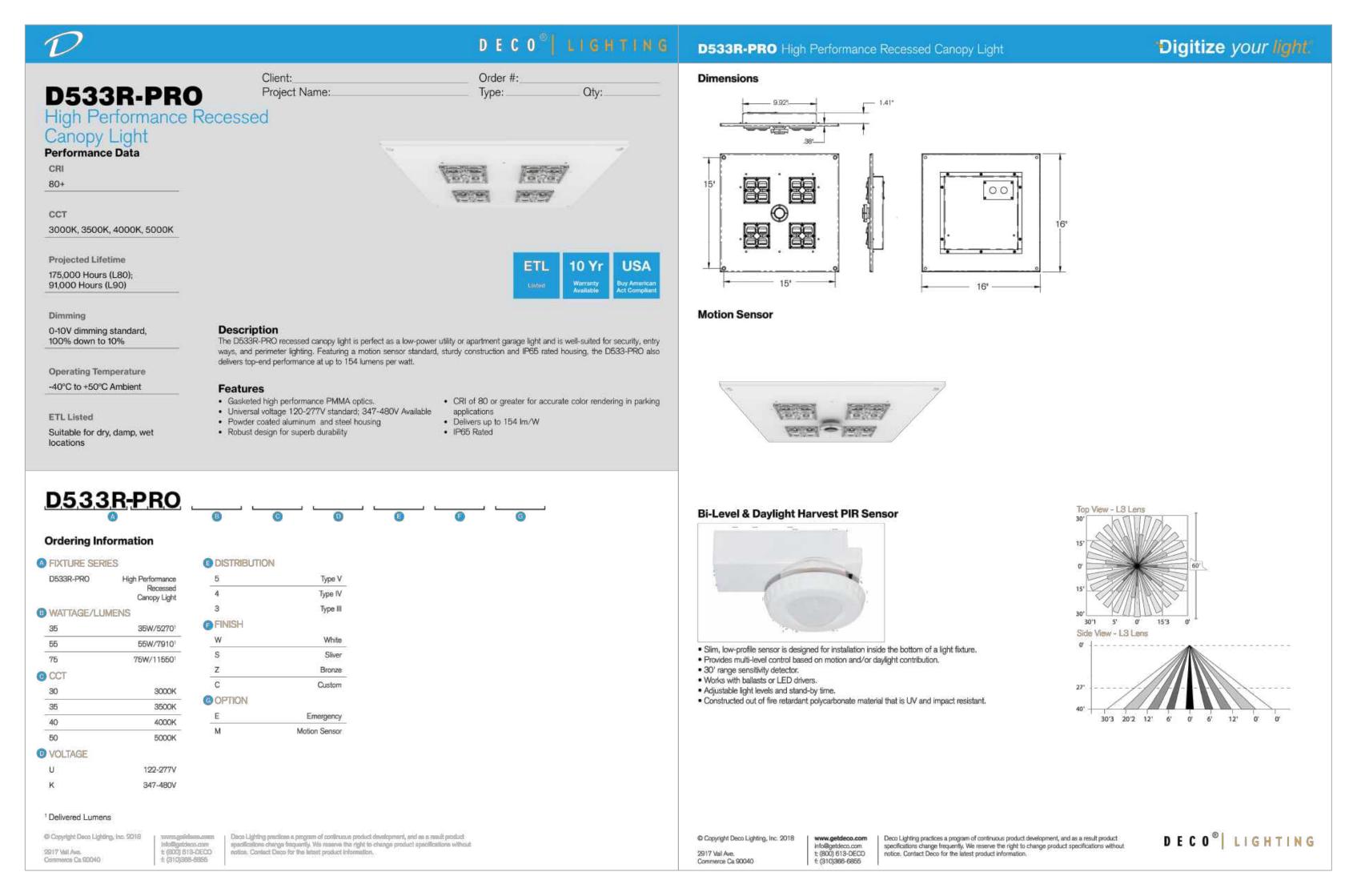
RELEASE: **REVISION SCHEDULE**

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EXTERIOR LIGHTING CUTSHEET

SHEET NUMBER

EP1.1 NTS





TYPE "B" TYPE "C"





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

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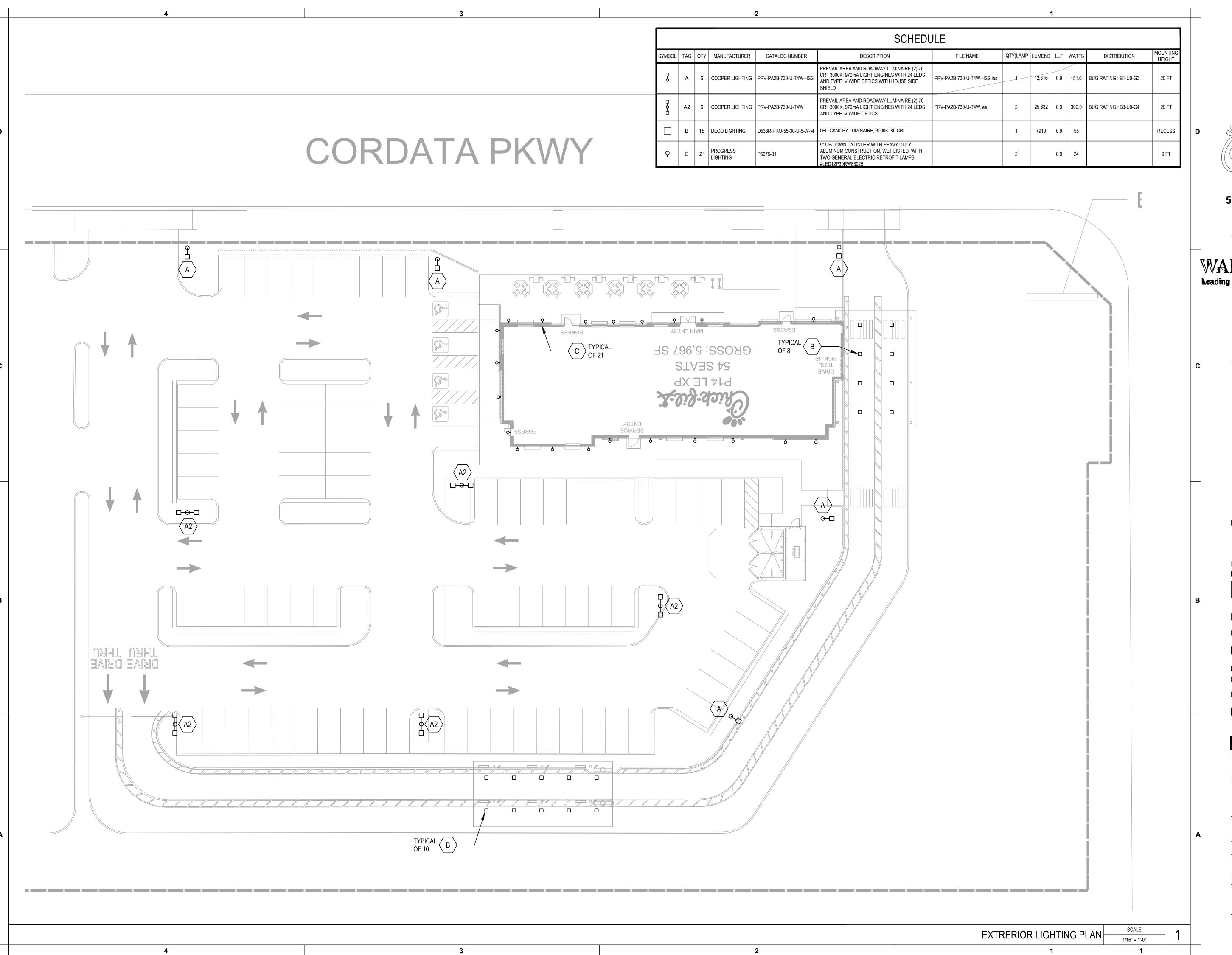
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EXTERIOR LIGHTING CUTSHEET

EXTERIOR LIGHTING CUTSHEET NTS

EP1.2







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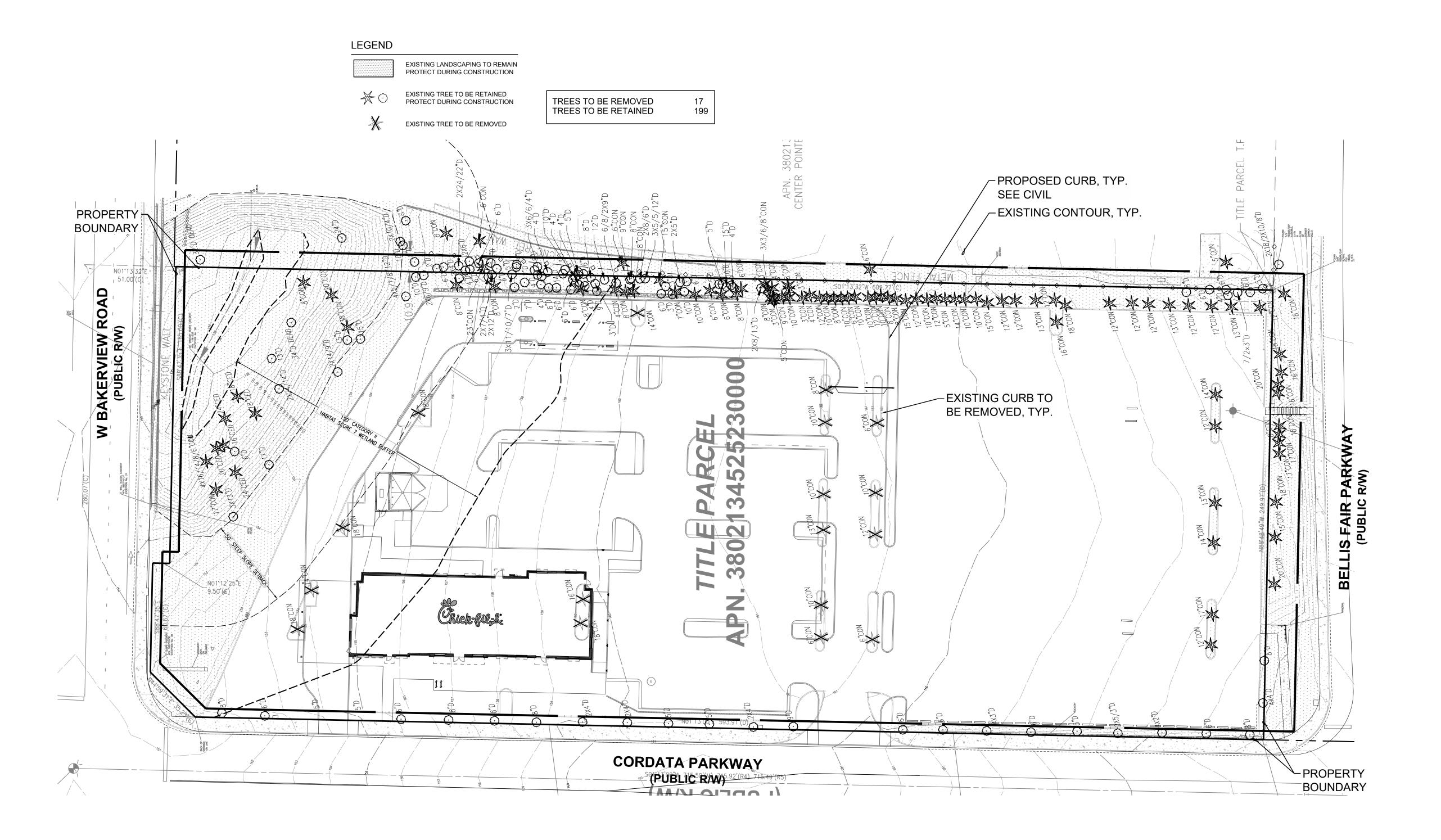
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Exhibit W Landscape & Irrigation Plan set dated June 19, 2024

SCALE: 1"=30'

TREE RETENTION PLAN **CHICK-FIL-A BELLINGHAM**

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA



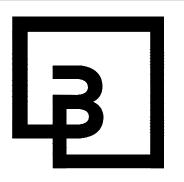
2







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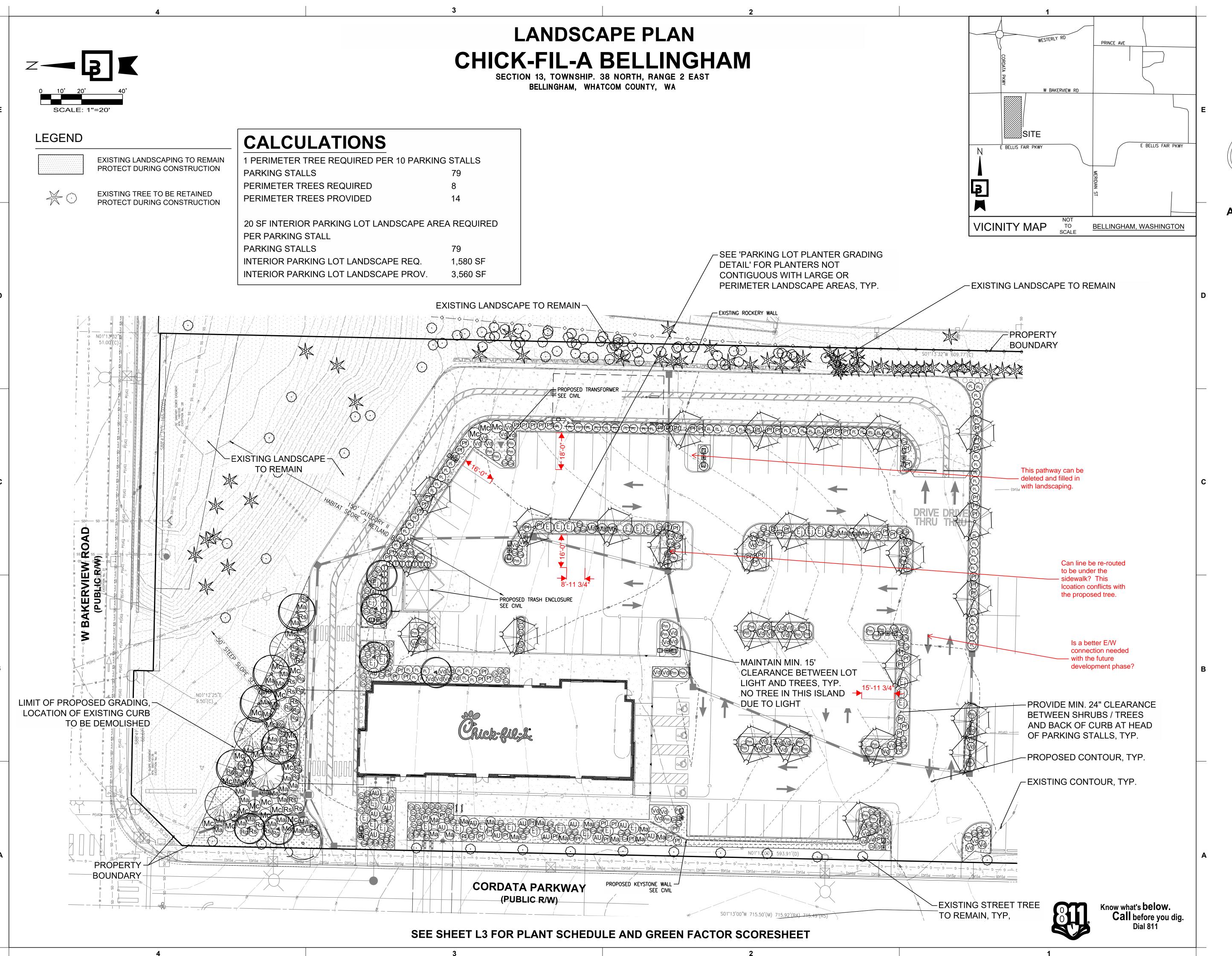
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SHEET

TREE RETENTION PLAN

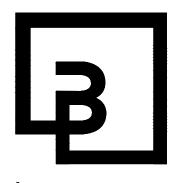
L1 OF 7







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AKMAY OF THE STANDSCAPE AND SCAPE AN

CORDATA PARKWAY

& W. BAKERVIEW RI

4030 CORDATA PARKWAY

BELLINGHAM WA

FSR#05529

BUILDING TYPE / SIZE:

REVISION SCHEDULE

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LANDSCAPE PLAN

SHEET NUMBER L2 OF 7

PLANT SCHEDULE AND GREEN FACTOR CHICK-FIL-A BELLINGHAM

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA

PLANI	SCF	HEDULE					
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT.	SIZE	WATER USE	ORIGIN	
DECIDUOL	US TRE	<u>ES</u>					
*	6	ACER CIRCINATUM / VINE MAPLE SMALL TREE. NURSERY GROWN, 2" CUMULATIVE CAL. IF MULTI-STEM. STAKE AND GUY ONE GROWING SEASON	B & B	1" CAL., 6` MIN. HT.	LOW	NATIVE	
	5	FRAXINUS LATIFOLIA / OREGON ASH LARGE TREE PER C.O.B. LIST. NURSERY GROWN, FULL TOP GROWTH. STAKE AND GUY ONE GROWING SEASON	B & B	1" CAL., 6` MIN. HT.	MEDIUM	NATIVE	
	27	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' / HONEY LOCUST LARGE TREE PER C.O.B. LIST. NURSERY GROWN FOR STREET TREE USE, BRANCHING AT 5'. STAKE AND GUY ONE GROWING SEASON	B & B	1" CAL., 6` MIN. HT.	LOW	ADAPTIVE	
VERGRE	EN TRE	EES					
	5	PSEUDOTSUGA MENZIESII / DOUGLAS-FIR LARGE TREE PER C.O.B. LIST. NURSERY GROWN, SINGLE UNCUT LEADER. STAKE AND GUY ONE GROWING SEASON.	B & B	1" CAL., 6` MIN. HT.	LOW	NATIVE	
STREET T	REES						
	1	ACER RUBRUM 'BOWHALL' / BOWHALL RED MAPLE MEDIUM TREE PER C.O.B. LIST. NURSERY GROWN FOR STREET TREE USE, BRANCHING AT 5'. STAKE AND GUY ONE GROWING SEASON	B & B	2.5" CAL, 10` MIN. HT.	LOW	ADAPTIVE	
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT.	WATER USE	ORIGIN	<u>FOLIAGE</u>	
AU	17	ARBUTUS UNEDO 'COMPACTA' / STRAWBERRY TREE DO NOT SUBSTITUTE NON-DWARF VARIETIES	2 GAL.	MEDIUM	ADAPTIVE	EVERGREEN	
Cs	85	CORNUS SERICEA 'KELSEYI' / DWARF REDTWIG DOGWOOD DO NOT SUBSTITUTE OTHER VARIETIES	1 GAL.	LOW	NATIVAR	DECIDUOUS	
(Ej)	30	EUONYMUS JAPONICUS 'AUREO-MARGINATUS' / GOLDEN EUONYMUS	2 GAL.	LOW	ADAPTIVE	EVERGREEN	
Ma	54	MAHONIA AQUIFOLIUM / OREGON GRAPE	2 GAL.	LOW	NATIVE	EVERGREEN	
Mc	24	MYRICA CALIFORNICA / PACIFIC WAXMYRTLE	2 GAL.	LOW	NATIVE	EVERGREEN	
Pm	41	PINUS MUGO 'PUMILIO' / DWARF MUGO PINE DO NOT SUBSTITUTE OTHER VARIETIES	2 GAL.	LOW	ADAPTIVE	EVERGREEN	
Pf	79	POTENTILLA FRUTICOSA 'GOLDFINGER' / BUSH CINQUEFOIL DO NOT SUBSTITUTE OTHER VARIETIES	2 GAL.	LOW	NATIVAR	DECIDUOUS	
PL	69	PRUNUS LAUROCERASUS 'MOUNT VERNON' / LOW ENGLISH LAUREL DO NOT SUBSTITUTE OTHER VARIETIES	2 GAL.	LOW	ADAPTIVE	EVERGREEN	
Rs	15	RIBES SANGUINEUM / FLOWERING REDCURRANT	2 GAL.	LOW	NATIVE	DECIDUOUS	
Rg	22	ROSA GYMNOCARPA / BALDHIP ROSE	2 GAL.	LOW	NATIVE	EVERGREEN	
	15	THUJA OCCIDENTALIS 'SMARAGD' / ARBORVITAE SYN. 'EMERALD GREEN'. DO NOT SUBSTITUTE OTHER VARIETIES	4` MIN. HT.	LOW	ADAPTIVE	EVERGREEN	
Vd	63	VIBURNUM DAVIDII / DAVID VIBURNUM	2 GAL.	LOW	ADAPTIVE	EVERGREEN	
GRASSES	<u>.</u>						
Ca	84	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / FEATHER REED GRASS	1 GAL.	LOW	ADAPTIVE	GRASS/GRASS-LIKE	
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT.	WATER USE	ORIGIN	FOLIAGE	SPACING
ROUND	COVER	<u>S</u>					
	400	ARCTOSTAPHYLOS UVA-URSI 'MASSACHUSETTS' / KINNIKINNICK	1 GAL.	LOW	NATIVE	EVERGREEN	36" o.c.
$\circ \circ $	294	FRAGARIA CHILOENSIS / BEACH STRAWBERRY	1 GAL.	LOW	NATIVE	EVERGREEN	36" o.c.

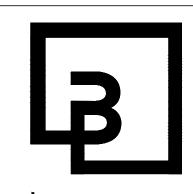
		47.0	d Score	0.3 0.3
Pro	ject Title:	Parcel Size 1529		
A	<u>Landscaped Elements**</u> Landscaped areas (select one of the following for each area)	Totals from GF worksheet	<u>Factor</u>	<u>Total</u>
1	Landscaped areas with a soil depth of less than 24"	enter sq f	0.1	
2	Landscaped areas with a soil depth of 24" or greater	enter sq fi	2233 0.8	33786
3	Bioretention facilities	enter sq fi	1.0	
В	Plantings (credit for plants in landscaped areas from Section A)	and an art of		
1	Mulch, ground covers, or other plants less than 2' tall at maturity	enter sq fi	7898 0.1	789
2	Shrubs or perennials 2'+ at maturity- calculated at 12 sq ft per plant (typically planted no closer than 18" on center)	510 enter number of plants	0.3	1
3	Tree canopy for "small trees" or equivalent (canopy spread of 8' to 15') - calculated at 75 sq ft per tree	6 enter number of plants	0.3	1
4	Tree canopy for "small/medium trees" or equivalent (canopy spread 16' to 20') - calculated at 150 sq ft per tree	0 enter number of plants	0.3	
5	Tree canopy for "medium/large trees" or equivalent (canopy spread of 21' to 25') - calculated at 250 sq ft per tree	1 enter number of plants	0.4	(
6	Tree canopy for "large trees" or equivalent (caopy spread of 26' to 30') calculated at 350 sq ft per tree	36 enter Inches DBH	0.4	14
7	Tree canopy for preservation of large existing trees with trunks 6"+ in diameter - calculated at 20 sq ft per inch in diameter	173	0.8	138
c	Green roofs			
1	Over at least 2" and less than 4" of growth medium	enter sq fi	0.4	
2	Over at least 4" of growth medium	enter sq fi	0.7	
D	Vegetated walls		0.7	
E	Approved water features	enter sq fi	0.7	
F	Permeable paving		o-	
1	Permeable paving over at least 6" and less than 24" of soil or gravel	enter sq f	0.2	
2	Permeable paving over at least	enter sq fi	0.5	
G	Structural soil systems	enter sq fi	0.2	
н	Bonuses	ter.		
1	Drought-tolerant or native plant species	enter sq fi	988 0.1	160
2	Landscaped ares where at least 50% of annual irrigation needs are met through the use of harvested rainwater	enter sq fi	0.2	
3	Landscaping visible to passersby from adjacent public right of way or public open spaces		1000 0.1	11

2





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PARKWAY ERVIEW RD.

CORDATA CORDATA & W. BAK 4030 CORDATA

FSR#05529
BUILDING TYPE / SIZE:

RELEASE:

REVISION SCHEDULE

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 22779

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DATE 06/19/24

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SHEET

PLANT SCHEDULE AND

GREEN FACTOR

L3 OF 7

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST

BELLINGHAM, WHATCOM COUNTY, WA

LANDSCAPE PLANTING NOTES AND MATERIALS

SCOPE OF WORK

FURNISH ALL MATERIALS, LABOR, EQUIPMENT AND RELATED ITEMS NECESSARY TO ACCOMPLISH TOPSOIL, TREATMENT AND PREPARATION OF SOIL, FINISH GRADING, PLACEMENT OF SPECIFIED PLANT MATERIALS, FERTILIZER, STAKING, MULCH, CLEAN-UP, DEBRIS REMOVAL, AND 30-DAY

LANDSCAPE CONTRACTOR TO BE SKILLED AND KNOWLEDGEABLE IN THE FIELD OF WORK AND HAVE A MINIMUM OF FIVE (5) YEAR'S EXPERIENCE INSTALLING SIMILAR WORK. CONTRACTOR TO BE LICENSED TO PERFORM THE WORK SPECIFIED WITHIN THE PRESIDING JURISDICTION.

JOB CONDITIONS:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE SITE AND REPORT ANY DISCREPANCIES TO THE OWNER OR THE OWNER'S REPRESENTATIVES. ALL PLANT MATERIAL AND FINISH GRADES ARE SUBJECT TO APPROVAL BY THE OWNER.

SAVE AND PROTECT ALL EXISTING PLANTINGS SHOWN TO REMAIN. DO NOT PLANT UNTIL OTHER CONSTRUCTION OPERATIONS WHICH CONFLICT HAVE BEEN COMPLETED. IF AN IRRIGATION SYSTEM IS TO BE INSTALLED DO NOT PLANT UNTIL THE SYSTEM HAS BEEN INSTALLED, TESTED. AND APPROVED BY THE OWNER. HANDLE PLANTS WITH CARE - DO NOT DAMAGE OR BREAK ROOT SYSTEM, BARK, OR BRANCHES. REPAIR AND/OR REPLACE ITEMS DAMAGED AS A RESULT OF WORK, OR WORK NOT IN COMPLIANCE WITH PLANS AND SPECIFICATIONS, AS DIRECTED BY OWNER AT NO ADDITIONAL COST TO THE OWNER.

REPAIR OF EXISTING PLANTINGS:

DURING THE COURSE OF WORK, REPAIR ALL EXISTING PLANTING AREAS BY PRUNING DEAD GROWTH, RE-ESTABLISHING FINISH GRADE AND RE-MULCHING TO SPECIFIED DEPTH.

GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THE JOB BY OWNER.

30-DAY MAINTENANCE:

CONTRACTOR TO PROVIDE OWNER WITH A SCOPE OF WORK AT TIME OF INITIAL PROJECT BID TO PROVIDE LANDSCAPE AND IRRIGATION MAINTENANCE FOR 30 DAYS FOLLOWING STORE OPENING. WORK TO INCLUDE MAINTENANCE AS DESCRIBED BELOW, IN PLANTING AND IRRIGATION MAINTENANCE.

SUBMIT THE FOLLOWING TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO

- THE START OF ANY WORK: A) DOCUMENTATION THAT ALL PLANT MATERIAL HAS BEEN ORDERED.
- B) TOPSOIL ANALYSIS AND RECOMMENDED AMENDMENTS.
- C) TREE STAKING AND GUYING MATERIALS D) ONE (1) QUART SIZE OF TOPSOIL AND MULCH.
- E) PLANTING SCHEDULE INCLUDING DATES AND TIMES. F) MAINTENANCE INSTRUCTIONS FOR ONE (1) FULL YEAR.

MATERIALS:

PLANT MATERIALS TO BE GRADE NO. 1, SIZED IN ACCORDANCE WITH (AAN) AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1-2004). PRUNE PLANTS RECEIVED FROM THE NURSERY ONLY UPON AUTHORIZATION BY THE LANDSCAPE ARCHITECT. "B & B" INDICATES BALLED AND BURLAPPED: "CONT." INDICATES CONTAINER: "BR" INDICATES BARE ROOT: "CAL" INDICATES CALIPER AT 6" ABOVE SOIL LINE; "GAL" INDICATES GALLON.

- A) SPECIFIED PLANT CANOPY SIZE OR CALIPER IS THE MINIMUM ACCEPTABLE CONTAINER OR BALL SIZE AND ESTABLISHES MINIMUM PLANT CONDITION TO BE PROVIDED.
- B) QUALITY: PLANT MATERIAL TO COMPLY WITH STATE AND FEDERAL LAWS FOR DISEASE
- INSPECTION, PLANTS TO BE FULLY LIVE, VIGOROUS, WELL FORMED, WITH WELL DEVELOPED FIBROUS ROOT SYSTEMS. ROOT BALLS OF PLANTS TO BE SOLID AND FIRMLY HELD TOGETHER, SECURELY CONTAINED AND PROTECTED FROM INJURY AND DESICCATION. PLANTS DETERMINED BY LANDSCAPE ARCHITECT TO HAVE BEEN DAMAGED; HAVE DEFORMITIES OF STEM, BRANCHES, OR ROOTS; LACK SYMMETRY, HAVE MULTIPLE LEADERS OR "Y" CROTCHES LESS THAN 30 DEGREES IN TREES, OR DO NOT MEET SIZE OR ANSI STANDARDS WILL BE REJECTED. PLANT MATERIAL TO BE FROM A SINGLE NURSERY SOURCE FOR EACH SPECIFIED SPECIES/HYBRID. NURSERY
- SOURCES TO BE THOSE LOCATED IN THE SAME REGION AS THE JOB SITE. C) SUBSTITUTION: NO SUBSTITUTION OF PLANT MATERIAL, SPECIES OR VARIETY, WILL BE PERMITTED UNLESS WRITTEN EVIDENCE IS SUBMITTED TO THE OWNER FROM TWO QUALIFIED PLANT BROKERAGE OFFICES. SUBSTITUTIONS WHICH ARE PERMITTED TO BE IN WRITING FROM THE OWNER AND LANDSCAPE ARCHITECT. THE SPECIFIED SIZE, SPECIES AND NEAREST VARIETY, AS APPROVED, TO BE FURNISHED. SUBSTITUTIONS MAY REQUIRE
- SUBMITTAL TO REVISED LANDSCAPE PLAN TO CITY FOR APPROVAL D) LABEL AT LEAST ONE (1) TREE, SHRUB, AND GROUNDCOVER OF EACH VARIETY WITH A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL AND COMMON NAMES.
- E) DELIVER PLANT MATERIAL AFTER PREPARATION OF PLANTING AREAS HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN SIX (6) HOURS AFTER DELIVERY, SET MATERIAL IN SHADE, PROTECT FOR WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOT BALLS MOIST BY COVERING WITH MULCH, BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.

SOIL PREPARATION:

TOPSOIL, AMENDMENT, AND BACKFILL, ARE GENERAL REQUIREMENTS FOR ALL LANDSCAPE AREAS, UNLESS NOTED OTHERWISE ON THE PLANS. SOIL AMENDMENTS AND FERTILIZER NOTED BELOW ARE TO BE USED FOR BID PRICE BASIS ONLY. SPECIFIC AMENDMENTS AND FERTILIZERS WILL BE MADE AFTER SOIL SAMPLES ARE LABORATORY TESTED BY THE CONTRACTOR. PROVIDE CHANGE ORDER FOR ADDITIONAL OR REDUCTION OF MATERIALS REQUIRED OR NOT REQUIRED BY THE SOILS REPORT.

SOIL FERTILITY AND AGRICULTURAL SUITABILITY ANALYSIS:

AFTER ROUGH GRADING AND PRIOR TO SOIL PREPARATION, CONTRACTOR TO OBTAIN TWO REPRESENTATIVE SOIL SAMPLES, FROM LOCATIONS AS DIRECTED BY THE LANDSCAPE ARCHITECT, TO A SOIL TESTING LABORATORY. SUBMIT RESULTS TO LANDSCAPE ARCHITECT FOR REVIEW. TESTS TO INCLUDE FERTILITY AND SUITABILITY ANALYSIS WITH WRITTEN RECOMMENDATIONS FOR SOIL AMENDMENT, FERTILIZER, CONDITIONERS, APPLICATION RATES, AND POST-CONSTRUCTION MAINTENANCE PROGRAM. TESTS TO BE CONTRACTED WITH AND PAID FOR BY THE CONTRACTOR.

A) TOPSOIL:

- CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL TOPSOIL AND FOR DETERMINING THE VOLUME OF TOPSOIL REQUIRED PER THE INFORMATION ON PLANS AND NOTED HERE-IN. CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY WEED CONTROL RESULTING FROM CONTAMINATED OFF SITE SOURCES.
- B) TOPSOIL TO CONSIST OF 1/3 BY VOLUME SANDY LOAM, 1/3 BY VOLUME COMPOSTED GARDEN MULCH, AND 1/3 BY VOLUME COARSE WASHED SAND OR EQUIVALENT.

C) TOPSOIL PREPARATION AND INSTALLATION: 1. VERIFY SUBGRADES TO -9 INCHES IN LANDSCAPE AREAS OR AS INDICATED ON PLANS.

- THIS ACCOMMODATES, TOPSOIL, AMENDMENTS, AND MULCH. 6" IMPORTED TOPSOIL FOR LANDSCAPE BEDS.
- 2. ERADICATE ANY SURFACE VEGETATION ROOTED IN THE SUB-GRADE PRIOR TO SUB-GRADE **PRFPARATION**
- 3. REMOVE SOIL LUMPS, ROCK, VEGETATION AND/OR DEBRIS LARGER THAN 2 INCHES FROM ALL SUB-GRADE PRIOR TO PLACEMENT OF SPECIFIED TOPSOIL.
- 4. REMOVE ANY ASPHALT EXTENDING BEYOND 6 INCHES FROM CURBS INTO ADJACENT LANDSCAPE AREAS.

PROVIDE A TOTAL FINISH COURSE OF 4 INCHES OF TOPSOIL FOR LANDSCAPE AREAS. 2. PLACE ADDITIONAL TOPSOIL AND SOIL MIX AS REQUIRED TO MEET FINISH ELEVATIONS.

MULCH (TOPDRESSING): ONE-HALF-INCH (1/2") SIZE, TO ONE-QUARTER (1/4"), HEMLOCK/FIR BARK. FINE TEXTURED AND

DARK BROWN IN COLOR.

2-INCH DIAMETER BY 8-FOOT MINIMUM LODGEPOLE PINE STAKES.

1-INCH WIDE POLYETHYLENE CHAIN LOCK TYPE TIES; OR, 3/8" DIAMETER RUBBER. NO WIRE.

EXECUTION:

CONTAMINANTS VERIFY THAT ALL SOIL CONTAMINANTS (E.G., PAINT, SEALANTS, SOLVENTS, OILS, GREASES,

CONCRETE/ASPHALT SPOILS, ETC.) HAVE BEEN SATISFACTORY REMOVED FROM ALL PLANTING AREAS. DO NOT BEGIN WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED

FINE GRADE AND REMOVE ROCKS, DEBRIS, AND FOREIGN OBJECTS OVER 2 INCHES DIAMETER FROM TOP SURFACE OF PREPARED LANDSCAPE AREAS. FINISH ELEVATIONS TO BE DEFINED AS 3 INCHES BELOW CURBS, WALKS AND/OR OTHER ADJACENT HARDSCAPE FOR ALL PLANTING BED AREAS AND 1-INCH BELOW CURBS, WALKS AND/OR OTHER ADJACENT HARDSCAPE FOR ALL LAWN AREAS. FINISH GRADE REFER TO GRADES PRIOR TO INSTALLATION OF MULCH OR LAWN. ALL FINISH GRADES TO BE SMOOTH EVEN GRADES, LIGHTLY COMPACTED, AS SHOWN ON THE PLAN AND DETAILED. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES. SITE CIVIL DRAWINGS IDENTIFY FINAL ELEVATIONS. MOISTEN PREPARED AREAS BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.

ARRANGE TREES AND SHRUBS ON SITE IN PROPOSED LOCATIONS PER DRAWINGS. EXCAVATE PIT PLANT AND STAKE OR GUY, AS CALLED OUT AND DETAILED. ALL TREES, SHRUBS, AND SUPPORTS TO STAND VERTICAL. BACKFILL SHALL BE PIT SPOILS. SETTLE BACKFILL USING WATER ONLY. NO MECHANICAL COMPACTION.

EXCAVATE PITS TO A MINIMUM OF 3 INCHES BELOW, AND TWICE THE ROOT BALL DIAMETER. WATER THOROUGHLY AND TAKE CARE TO ENSURE THAT ROOT CROWN IS AT PROPER GRADE, AS DETAILED.

MULCH ALL LANDSCAPE AREAS. MATCH DEPTH OF EXISTING MULCH. AT A MINIMUM, APPLY SUFFICIENT QUANTITY TO PROVIDE A 4-INCH DEPTH.

FIELD ADJUST PLANT LOCATIONS FOR 8-FOOT SEPARATION OF TREES/SHRUBS AND 2-FOOT SEPARATION FOR GROUNDCOVER FROM FIRE HYDRANTS AND UTILITY VAULTS.

CLEANUP AND PROTECTION:

OVER ALL TOPSOIL DEPTH OF 3 FEET -

BERM HEIGHT 6" MIN.

REMOVE EXCESS GRAVEL-

COARSE TRANSITION FROM TOPSOIL-

TO LOOSEN COMPACTED SUBBASE

OVER EXCAVATE PARKING LOT PLANTERS

PARKING LOT PLANTER GRADING DETAIL

SOIL. TOP OF FINISH GRADE AND DEPTH OF MULCH STILL APPLIES

DEDUCT ALT #1: IF LANDSCAPE CONTRACTOR CAN DEMONSTRATE THAT PLANTER ISLANDS ARE

NOT FULL OF NON-SOIL MATERIALS (CONCRETE WASTE, LUMBER, ROAD BASE, GRAVEL), FULL

EXCAVATION AND REPLACE WITH 18"-21" OF TOPSOIL CAN BE ELIMINATED AND IN ITS PLACE, 6" OF COMPOST CAN BE PLACED ON SUB-GRADE AND CULTIVATED INTO TOP 12" OF EXISTING

SOIL LINE: 3

IN MULCH,

IN LAWN

SUBGRADE

AND PAVING

TO SUBSOIL

DURING LANDSCAPE WORK, KEEP ALL PAVEMENT CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE PERIOD. TREAT, REPAIR, OR REPLACE DAMAGE LANDSCAPE WORK AS DIRECTED BY THE OWNER.

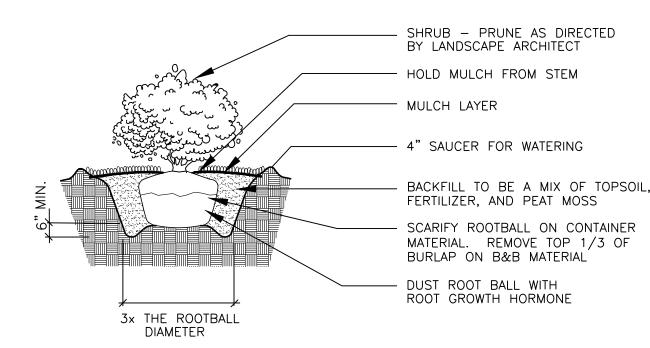
PLANTING MAINTENANCE:

PROVIDE FULL MAINTENANCE BY SKILLED EMPLOYEES OF LANDSCAPE INSTALLERS. CONTRACTOR TO MAINTAIN PLANTINGS THROUGH COMPLETED INSTALLATION, AND UNTIL ACCEPTANCE OF LANDSCAPE INSTALLATION. PLANTING MAINTENANCE TO INCLUDE WATERING, WEEDING, CULTIVATING, TIGHTENING AND REPAIRING OF TREE GUYS, RESETTING PLANTS TO PROPER GRADES OR POSITION, RE-ESTABLISHING SETTLED GRADES; AND MOWING LAWNS WEEKLY AFTER LAWN ESTABLISHMENT. HERBICIDE IS NOT RECOMMENDED FOR ONE YEAR FOLLOWING LANDSCAPE INSTALLATION. INCLUDED IS REPLACEMENT OF DEAD PLANTS AND PLANTS SHOWING LOSS OF 40 PERCENT OR MORE OF

PRUNE DAMAGED TWIGS AFTER PLANTING PLACE IN VERT. POSITION: DOUBLE LEADERS WILL BE REJECTED -KEEP ROOTBALL MOIST AND PROTECTED AT ALL TIMES. HOLD CROWN OF ROOTBALL AT OR JUST ABOVE FINISH GRADE PROTECT TRUNK AND LIMBS FROM INJURY. BACKFILL TO BE SETTLED USING WATER ONLY - NO MECHANICAL COMPACTION. REMOVE ALL WRAP, TIES & CONTAINERS, REGARDLESS OF MATERIAL. (2) LODGEPOLE STAKES, PLUMB WITH ELASTIC CHAIN-LOCK — TYPE OR RUBBER GUYS TIED IN FIGURE EIGHT; REMOVE AFTER ONE GROWING SEASON PROTECTIVE WRAPPING DURING SHIPMENT TO SITE AND INSTALLATION REMOVE AT COMPLETION OF PLANTING LAWN PLANTING; PROVIDE 3' Ø "NO GRASS" TREE RING AND -2" DEEP MULCH LAYER IN WELL. HOLD BACK FROM TRUNK 8" TO 10" FINISH GRADE PREPARE PLANTING BED PER SPEC'S; AT MIN., LOOSEN - AND MIX SOIL TO 18" OR DEPTH OF ROOTBALL AND 2 TIMES BALL DIAMETER REMOVE ALL WRAP, TIES, AND CONTAINERS SCORE ROOTBALL AND WORK NURSERY SOIL AWAY FROM PERIMETER ROOTS SET BALL ON UNDISTURBED BASE OR COMPACTED MOUND UNDER BALL

DECIDUOUS TREE PLANTING/STAKING DETAIL

PENETRATION TO SUBBASE (+) 24" -



APPLY ADDITIONAL 4 OZ. 8-32-16 FERTILIZER INTO TOP

2" OF PLANTING MIX.

PLANT SHRUB HIGH ENOUGH TO ALLOW POSITIVE DRAINAGE AWAY FROM ROOTBALL. ROUGHEN ALL SURFACES OF PIT. CUT AND REMOVE BURLAP FROM ROOT BALL

SHRUB PLANTING DETAIL

NOT TO SCALE

TOPSOIL SETTLED

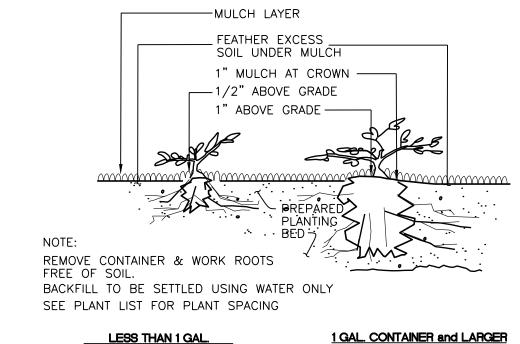
—1−1/2" DRAIN AT LOW

MAXIMUM

POINTS & 10' SPACING

— PAVING (SEE CIVIL PLANS)

(COMPACTED CONDITION)

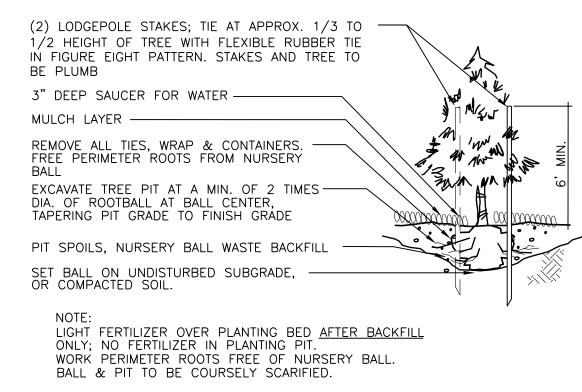


(PLANTED BEFORE MULCH)

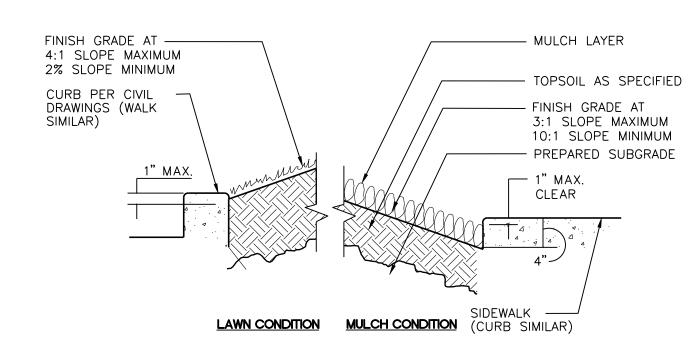
GROUNDCOVER PLANTING DETAIL

2

(PLANTED BEFORE MULCH)

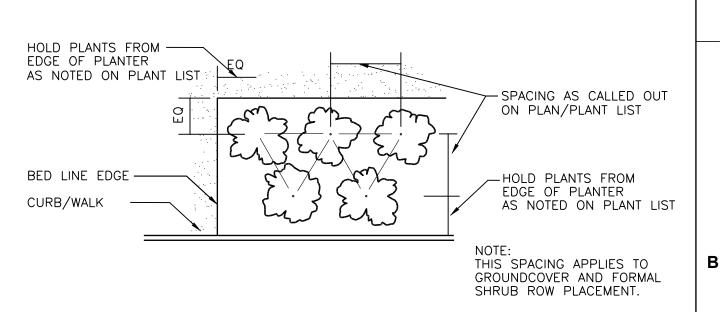


EVERGREEN TREE PLANTING/STAKING DETAIL



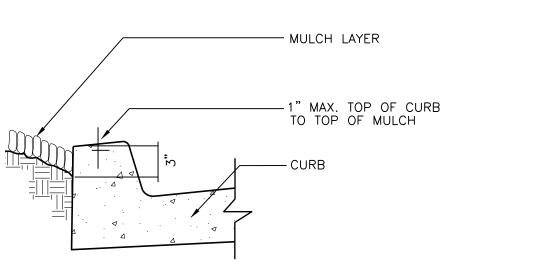
PLANTER SECTION DETAIL

NOT TO SCALE



PLANT MATERIAL SPACING DETAIL

NOT TO SCALE



MULCH AT CURB DETAIL NOT TO SCALE

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BUILDING TYPE / SIZE:

REVISION SCHEDULE

NO. DATE

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Chick-fil-A

5200 Buffington Road

Atlanta, Georgia 30349-

2998

FSR#05529

22779

06/19/24

IRRIGATION PLAN CHICK-FIL-A BELLINGHAM

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST

BELLINGHAM, WHATCOM COUNTY, WA

IRRIGATION SCHEDULE

DESCRIPTION

DRIP IRRIGATION:

HUNTER LANDSCAPE DRIPLINE COMPONENTS

HDL-06-12-250-CV SUB-SURFACE DRIPLINE TUBING 0.6 GPH PRESSURE COMPENSATING EMITTERS WITH CHECK VALVE AT 12" ON-CENTER SPACING - ALL TUBING SHALL BE INSTALLED ON GRADE W/ 9" WIRE STAKES FOUR (4) FEET ON-CENTER; VERIFY THE LAYOUT AND 18" ON-CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK. INSTALL ALL COMPONENTS PER MANUF. SPECIFICATIONS.

USE HUNTER PLD-LOC FITTINGS FOR CONNECTION BETWEEN PVC LATERAL LINES AND INLINE DRIP TUBING

DRIP IRRIGATION: ICZ-101/151-XL REMOTE CONTROL DRIP ZONE KIT WITH FILTER AND PRESSURE REGULATOR MAXIMUM 2 VALVES PER BOX

HUNTER SOLAR SYNC WIRE RAIN SENSOR COMBO

HUNTER PRO-C CONTROLLER 3 TO 15 STATIONS, (HARDWIRE CONNECTION); PROVIDE GROUND AND BATTERIES PER MANUFACTURER'S SPECIFICATIONS

WILKINS 950 XLT- 1" DOUBLE CHECK VALVE (STATE APPROVED); TEST AND CERTIFICATION BY LICENSED BACKFLOW TESTER

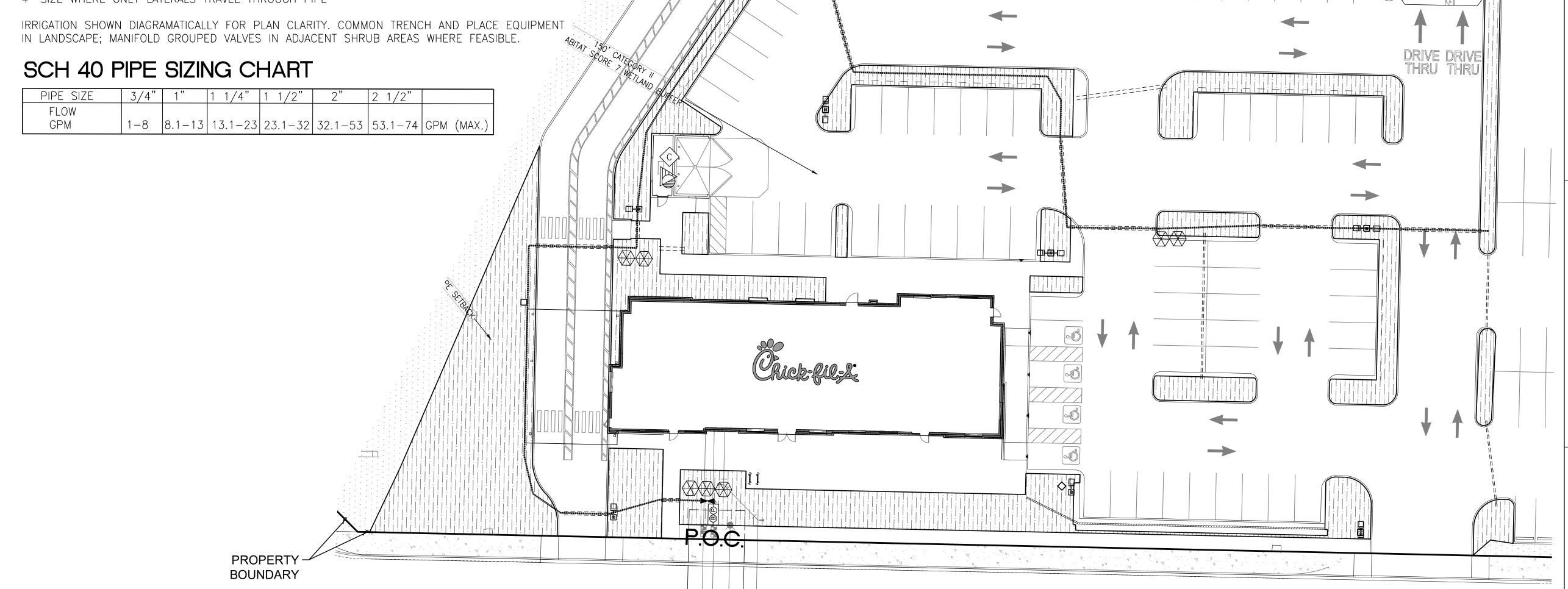
WILKINS 850 — BALL VALVE, SIZE TO MATCH PIPE CARSON INDUSTRIES #1730 (TWO AT P.O.C.) GRADE LEVEL VAULT WITH BOLT LOCK LID

PLASTIC BALL VALVE, MATCH LINE SIZE, IN VALVE BOX

HUNTER HQ-33DLRC 3/4" QUICK COUPLING VALVE, IN VALVE BOX, PROVIDE TWO KEYS AND SWIVELS

MAINLINE - SCH 40 PVC (18" COVER); SIZE PER PLAN, 1-1/2" SIZE MINIMUM

- LATERAL - SCH 40 PVC (12" COVER); SIZE PER PLAN, 3/4" SIZE MINIMUM



2

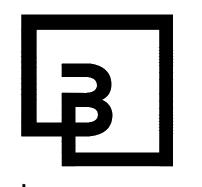
CORDATA PARKWAY

(PUBLIC R/W)





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



Barghausen
Consulting Engineers, Inc.

SCALE: 1"=20'

BOUNDARY

18215 72nd Avenue South Kent, W▲ 98032 425.251.6222 **barghausen.com**



AMA AMDSCAPE AREA AMDSCAPE AMDSCA

CORDATA PARKWAY
W. BAKERVIEW F
1030 CORDATA PARKWAY

FSR#05529

LEASE:

REVISION SCHEDULE

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 22779

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SHEET

IRRIGATION PLAN

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L5 OF 7

- . GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR TO COORDINATE:
- A) INSTALLATION OF 110V ELECTRICAL SERVICE FROM ELECTRICAL SOURCE TO AUTOMATIC CONTROLLER, INCLUDING WIRE HOOK-UP INTO MOUNTED CONTROLLER. IRRIGATION CONTRACTOR WILL MOUNT CONTROLLER PER DESIGN AND COORDINATE WITH GENERAL CONTRACTOR.
- B) INSTALLATION OF IRRIGATION/SERVICE METER AND STUB TO IRRIGATION POINT OF CONNECTION, PER UTILITY PLAN(S). PROVIDE STANDARD THREADED STUB-OUT WITH THREADED CAP ON DISCHARGE SIDE OF METER. STUB-OUT TO BE INSTALLED APPROXIMATELY 18 INCHES BELOW
- VERIFICATION OF STATIC WATER PRESSURE AT POINT-OF-CONNECTION (P.O.C.) CONTRACTOR SHALL NOTIFY OWNER AND BARGHAUSEN CONSULTING ENGINEERS, INC., OF ANY VARIATION IN STATIC PRESSURE OVER 5 PSI GREATER/LESS THAN DESIGN PRESSURE
- D) INSTALLATION OF SLEEVING.
- PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS AND/OR NOTES. PROVIDE A ONE (1) YEAR WARRANTY/GUARANTEE FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIALS, EQUIPMENT, AND WORKMANSHIP.
- COORDINATE IRRIGATION INSTALLATION WITH GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, LANDSCAPE CONTRACTOR, OWNER, ARCHITECT, AND LANDSCAPE ARCHITECT.
- LANDSCAPE CONTRACTOR TO TEST AVAILABLE WATER PRESSURE PRIOR TO BEGINNING ANY WORK. PROVIDE LANDSCAPE ARCHITECT WITH WRITTEN PSI RESULTS.
- ALL WORK PER LOCAL CODE. INSTALLATION PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
- 6. CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, FEES, AND REQUIRED CITY INSPECTIONS. SUBMITTALS:
 - A) SUBMIT EACH ITEM LISTED BELOW FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL,
 - B) PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED,

 - C) CONTROL WIRING PATH DIAGRAM,

D) "AS-BUILT" DRAWINGS.

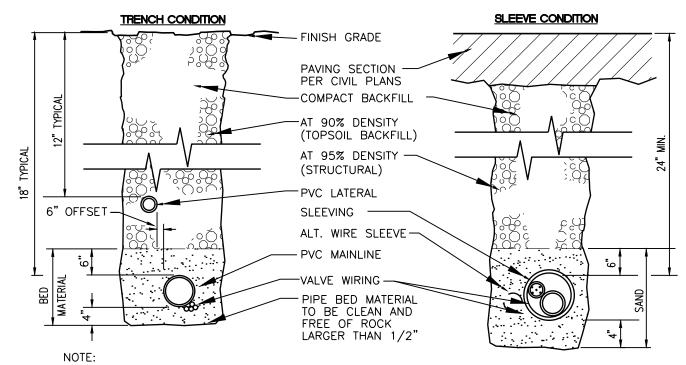
- E) OPERATION AND MAINTENANCE MANUALS.
- PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH ARE TO BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS AND NOTES AND EXACT "AS-BUILT" LOCATIONS, SIZES AND KIND OF EQUIPMENT. THIS SET OF DRAWINGS. ARE TO BE KEPT ON SITE AND ARE TO BE USED ONLY AS THE RECORD SET. ALL WORK IS TO BE NEAT AND LEGIBLE ANNOTATIONS THEREON DAILY AS THE WORK PROCEEDS, SHOWING WORK AS ACTUALLY INSTALLED. DIMENSION FORM TWO (2) PERMANENT POINTS OF REFERENCE, BUILDING CORNERS, WALKS, OR

ROAD INTERSECTIONS, ETC., THE LOCATION OF THE FOLLOWING:

- A) CONNECTION TO WATER LINES (P.O.C.),
- B) CONNECTIONS TO ELECTRICAL POWER,
- C) GATE VALVE, QUICK COUPLERS, AND REMOTE CONTROL VALVE,
- D) ROUTING OF MAINLINE (DIMENSION MAXIMUM 100' ALONG ROUTING),
- E) ROUTING OF CONTROL WIRING,
- F) OTHER RELATED EQUIPMENT AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- PREPARE AND PROVIDE PRIOR TO COMPLETION OF CONSTRUCTION, A THREE RING BINDER CONTAINING THE FOLLOWING INFORMATION:
 - A) INDEX SHEET STATING CONTRACTOR'S ADDRESS, TELEPHONE NUMBER, FAX, E-MAIL AND A, LIST OF EQUIPMENT WITH NAME AND ADDRESS OF LOCAL MANUFACTURER'S REPRESENTATIVES,
 - B) CATALOG AND PARTS SHEETS ON EVERY MATERIAL AND EQUIPMENT INSTALLED UNDER THIS, CONTRACT.
- C) GUARANTEE STATEMENT,
 - D) COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.
 - E) CONSTRUCTION DETAILS FROM THE PROJECT,
 - F) COMPLETE TROUBLE-SHOOTING GUIDE TO COMMON IRRIGATION PROBLEMS,
 - G) WINTERIZATION AND SPRING START-UP PROCEDURES,
 - H) CHART OF APPROXIMATE WATERING TIMES FOR SPRING, SUMMER, AND FALL,
 - A COPY OF THE "AS-BUILT" DRAWINGS AND CONTROLLER CHART.
- 10. ALL VALVES TO BE PLACED IN "CARSON" GRADE LEVEL BOXES WITH BOLT-LOCK LIDS (OR APPROVED EQUIVALENT). SET BOXES 2 INCHES HIGHER THAN FINISH GRADE IN MULCH AREAS AND FLUSH WITH FINISH GRADE IN LAWN AREAS. JUMBO BOX FOR CHECK VALVE, 10" ROUND BOX FOR GATE/QUICK COUPLER/WIRE SPLICES, AND 12" STANDARD FOR CONTROL VALVES. PROVIDE BOX EXTENSIONS AS REQUIRED.
- MAINLINE PIPE TO BE BURIED 18 INCHES, LATERALS 12 INCHES, AND SLEEVES 24" INCHES BELOW FINISH GRADE. NO ROCK OR DEBRIS TO BE BACKFILLED OVER PIPE.
- 12. HEAD AND LINE POSITIONING IS DIAGRAMMATIC ON PLAN. ADJUST IN FIELD AS NECESSARY FOR 100 PERCENT COVERAGE. VALVES TO BE POSITIONED ADJACENT TO PAVEMENT/CURBS, IN SHRUB BEDS WHERE POSSIBLE.
- 13. FAMILIARIZE OWNERS FACILITY OPERATOR WITH IRRIGATION SYSTEM FUNCTION. CONTROLLER PROGRAMMING, SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS.
- 14. SPRINKLERS ON RISERS WILL NOT BE ALLOWED UNLESS NOTED ON PLANS.
- RADIUS REDUCTION TO BE MADE BY USE OF PRESSURE ADJUSTMENT, SCREENS, AND/OR ALTERNATE NOZZLES. IN-NOZZLE ADJUSTMENT IS LIMITED TO 10 PERCENT FOR SPRAY HEADS AND PER MANUFACTURER'S LIMITS FOR OTHER SPRINKLERS. SPRINKLER SPACING NOT EXCEED 60% OF THE DIAMETER OF THE PUBLISHED DATA.
- 16. ALL CONTROL WIRE SPLICES TO BE MADE AT VALVE BOXES WITH WATER TIGHT ELECTRICAL SPLICES, 3M, SCOTT'S LOCK SEAL TACK 3576-78, OR EQUIVALENT.
- 17. EACH VALVE BOX TO CONTAIN A MINIMUM OF TWO (2) SPARE ORANGE CONTROL WIRES FOR JACKETED WIRE. ROUTE SPARE WIRES FROM THE CONTROLLER TO THE LAST VALVE OF EACH MAINLINE BRANCH. COMMON WIRE TO BE WHITE. SINGLE STRAND WIRE TO BE A MINIMUM OF 14 GAUGE.
- 18. ALL ELECTRICAL EQUIPMENT TO BE U.L. TESTED AND APPROVED, AND BEAR THE U.L. LABEL.
- 19. CROSS CONNECTION PROTECTION INSPECTION REQUIRED. THE BACKFLOW DEVICE TO BE TESTED UPON THE ORIGINAL INSTALLATION. THE TESTING TO BE PERFORMED BY A PERSON HOLDING A CURRENT CERTIFICATE AS A BACKFLOW TESTER. THE TEST REPORT TO BE SUBMITTED TO THE LOCAL WATER DISTRICT, OR PURVEYOR, AND OWNER WITH A COPY TO BARGHAUSEN CONSULTING ENGINEERS, INC. CONTRACTOR TO INCLUDE TESTING IN THE SCOPE OF WORK. OWNER IS RESPONSIBLE FOR ANNUAL INSPECTIONS AFTER THE INTIAL INSPECTION.
- 20. CONTRACTOR TO PROVIDE SYSTEM WINTERIZATION/SPRING SERVICE WHEN INSTALLATION HAS BEEN COMPLETED WITHIN 90 DAYS OF NOVEMBER 1 FOR WINTERIZATION, OR MAY 15 FOR SPRING SERVICE. SERVICE TO BE PERFORMED AS NEAR AS PRACTICAL

IRRIGATION NOTES AND DETAILS CHICK-FIL-A BELLINGHAM

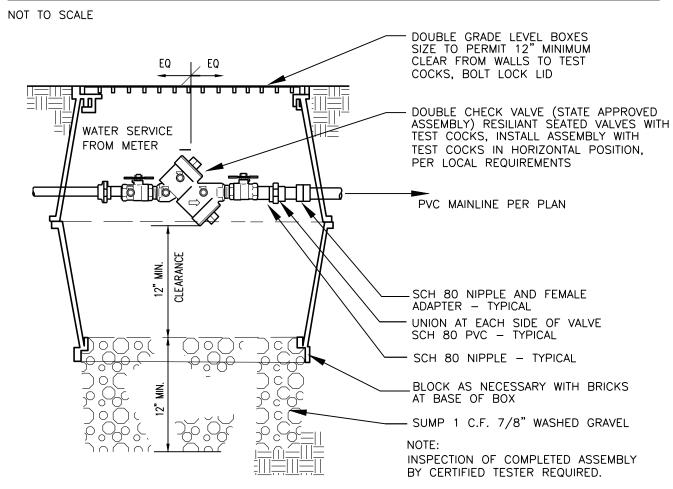
> SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA



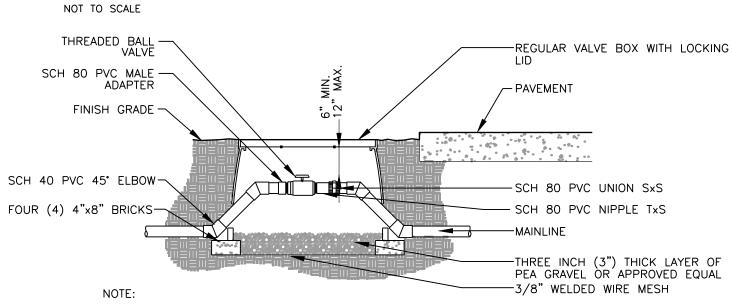
SLEEVING MATERIAL SHALL BE PVC SCH. 40. DIMENSIONS ARE MIN. CLEARANCES.

ALL IRRIGATION SLEEVING TRENCH BACKFILL MATERIAL SHALL BE CLASS "B" OR BETTER (MAX. OF 10% PASSING NO.40 SCREEN) AND BE COMPACTED TO MIN. 95% OPTIMUM DENSITY PER ASTM D-1557-70 (MODIFIED PROCTOR)

SLEEVE/TRENCHING DETAIL



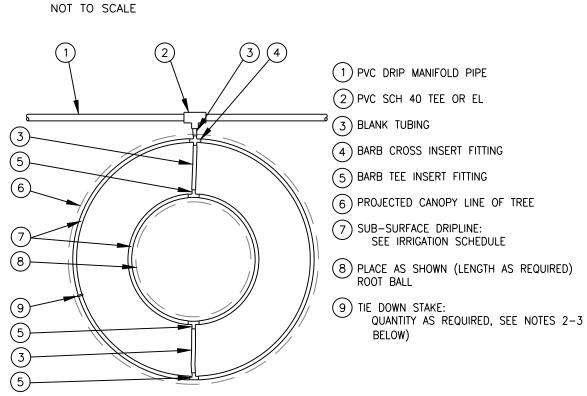
CHECK VALVE ASSEMBLY DETAIL



1. LOCATE VALVE BOXES IN PLANTING AREAS. 2. WRAP VALVE BOX WITH A MINIMUM OF 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.

3. ALL THREADED CONNECTIONS TO BE MADE USING TEFLON TAPE. 4. ALL CHANGES IN ELEVATION SHALL BE MADE USING SCH 40

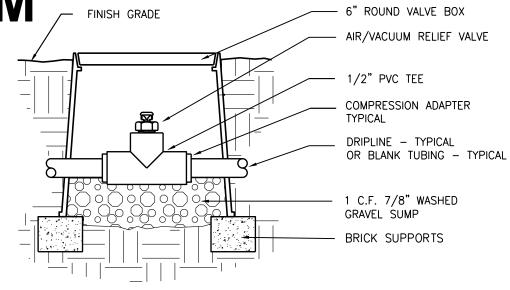
BALL VALVE DETAIL



1. DISTANCE BETWEEN LATERAL RINGS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, AND TREE CANOPY. SEE MANUFACTURER DRIPLINE INSTALLATION GUIDE FOR SUGGESTED

- SPACINGS. 2. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN
- 3. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

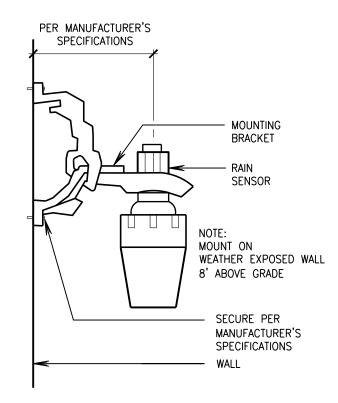
DRIPLINE AROUND TREE



AIR/VACUUM RELIEF VALVE CANNOT BE CONNECTED LOWER THAN DRIPLINE LATERALS. FOR USE ON ZONES OF 7 GPM OR LESS ONLY (PLUMBED TO TUBING).

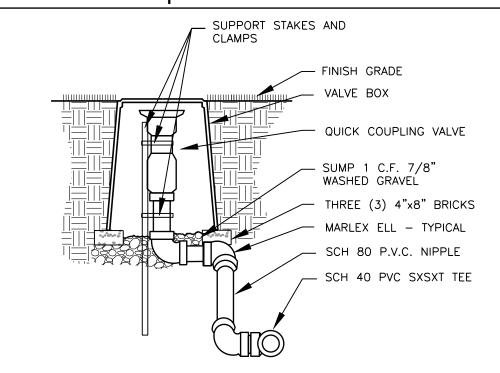
1/2" AIR/VACUUM RELIEF VALVE DETAIL

NOT TO SCALE

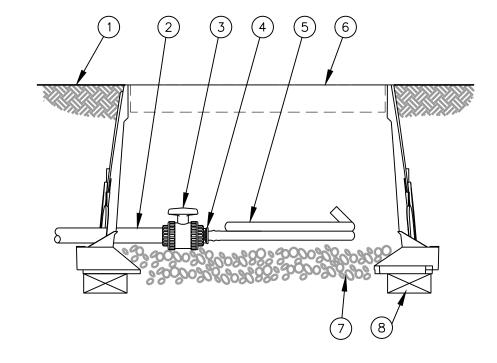


RAIN SENSOR DETAIL

NOT TO SCALE



QUICK COUPLING VALVE DETAIL



(1) FINISH GRADE (2) PVC DRIP MANIFOLD PIPE (3) PVC 1" X 3/4" TRUE UNION

ADAPTER

(5) SUB-SURFACE DRIPLINE:

BALL VALVE (4) EASY FIT MALE X BARB

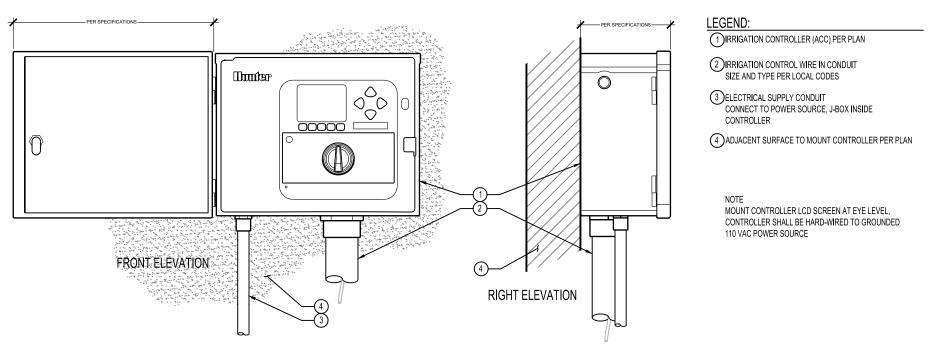
6 12-INCH VALVE BOX WITH (7) 3-INCH MINIMUM DEPTH

8 BRICK (1 OF 2)

OF 3/4" WASHED GRAVEL

FLUSH POINT WITH BALL VALVE

NOT TO SCALE



IRRIGATION CONTROLLER, WALL MOUNT

NOT TO SCALE

(1) FINISH GRADE

(2) STANDARD VALVE BOX WITH COVER:

RAIN BIRD VB-STD WATERPROOF CONNECTION:

RAIN BIRD DB SERIES VALVE ID TAG

(5) 30-INCH LINEAR LENGTH OF WIRE, COILED

1" X 34" REDUCING COUPLING (INCLUDED IN XCZ-LF-100-PRF KIT) PRESSURE REGULATING FILTER: RAIN BIRD PRF-100-RBY (INCLUDED IN

XCZ-LF-100-PRF KIT) (8) LATERAL PIPE

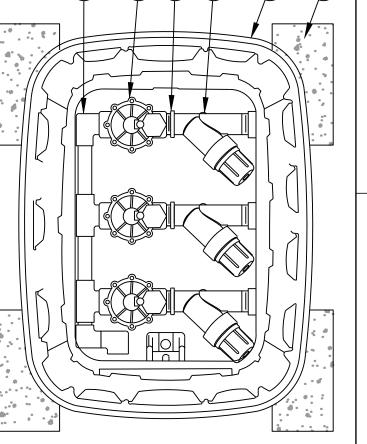
(9) PVC SCH 40 FEMALE ADAPTOR OR REDUCER

(10) REMOTE CONTROL VALVE:

RAIN BIRD LFV-100 (INCLUDED IN XCZ-LF-100-PRF KIT) (11) PVC SCH 40 TEE OR ELL TO MANIFOLD

3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL (13) MANIFOLD PIPE AND FITTINGS

(14) MINIMUM FOUR (4) 4"x8" BRICKS



TOP VIEW



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FSR#05529 **BUILDING TYPE / SIZE:**

RELEASE: **REVISION SCHEDULE** NO. DATE DESCRIPTION

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IRRIGATION NOTES AND

DETAILS

L6 OF 7

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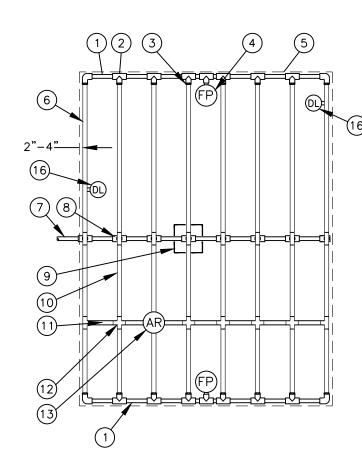
SIDE VIEW

NOT TO SCALE

DRIP IRRIGATION VALVE

IRRIGATION DETAILS CHICK-FIL-A BELLINGHAM

SECTION 13, TOWNSHIP. 38 NORTH, RANGE 2 EAST BELLINGHAM, WHATCOM COUNTY, WA



1) PVC EXHAUST HEADER (2) PVC SCH 40 TEE OR EL (TYPICAL) (3) BARB X MALE FITTING (4) FLUSH POINT (TYPICAL)

(5) PERIMETER OF AREA (6) PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA LATERAL FLOW DEMAND) (8) PVC SUPPLY MANIFOLD

(9) CONNECTION FROM SUPPLY MANIFOLD TO DRIPLINE (TYPICAL)-

7 PVC SUPPLY PIPE FROM CONTROL ZONE KIT (SIZED TO MEET 15 3/4" PVC NIPPLE, LENGTH AS NECESSARY (16) DRIPLINE INDICATOR. SEE DETAIL FOR ADDITIONAL INFORMATION Dripline Maximum Lateral Lengths (Feet)

(10) SUB-SURFACE DRIPLINE

(13) ½" AIR RELIEF VALVE

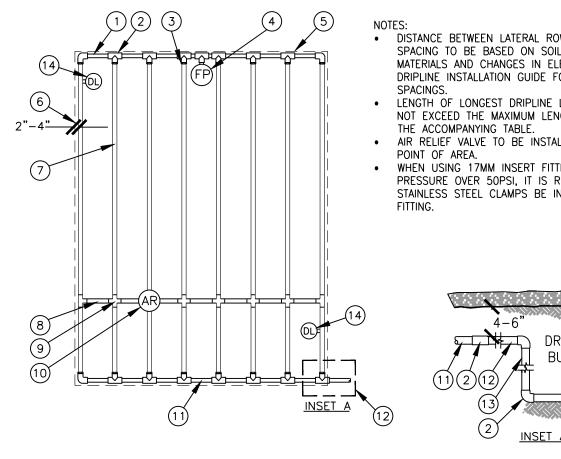
(14) BARB X FEMALE FITTING:

(12) BARB X BARB INSERT TEE OR CROSS:

(11) BLANK TUBING

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE IRRIGATION SCHEDULE FOR SPACING. 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE 3. AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA. 4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON

DRIPLINE CENTER FEED LAYOUT



 DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE DRIPLINE INSTALLATION GUIDE FOR SUGGESTED LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN AIR RELIEF VALVE TO BE INSTALLED AT HIGH

 WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH

1) PVC EXHAUST HEADER 2)PVC SCH 40 TEE OR EL (TYPICAL) (3) BARB X MALE FITTING: (4) FLUSH POINT (TYPICAL) SEE RAIN BÌRD DETAIL 'FLUSH POINT WITH BALL VALVE' (5) PERIMETER OF AREA 6 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER 7 SUB-SURFACE DRIPLINE (8) BLANK TUBING (9) BARB X BARB INSERT TEE OR CROSS: (10) 1/2" AIR RELIEF VALVE

(11) PVC SUPPLY HEADER

(12) PVC DRIP MANIFOLD FROM CONTROL ZONE VALVE KIT (SIZED TO MEET LATERAL FLOW DEMAND)

(13) PVC SCH 40 RISER PIPE (14) DRIPLINE INDICATOR. SEE DETAIL FOR ADDT'L INFO

DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND

WHEN ELEVATION CHANGE EXCEEDS 8 FEET IT IS RECOMMENDED THAT A NEW DRIPLINE ZONE BE CREATED.

WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS

LATERAL FLOW DEMAND)

SEE IRRIGATION SCHEDULE

(8) ½" AIR RELIEF VALVE: RSEE DETAIL

(2) BARB X MALE FITTING

4-6" 4) PVC SCH 40 TEE OR EL (TYPICAL)

(6) FLUSH POINT: SEE DETAIL

(5) SUB-SURFACE DRIPLINE:

(7) PVC FLUSH HEADER

(3) PVC SUPPLY HEADER

INSTALL AIR RELIEF VALVE AT HIGH POINTS IN DRIP LATERAL.

STEEL CLAMPS BE INSTALLED ON EACH FITTING.

DRIP MANIFOLD

INSET A

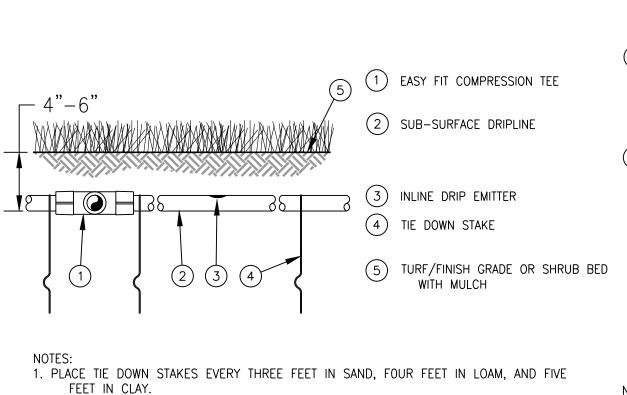
BURIAL DEPTH

CHANGES IN ELEVATION. DISTANCE BETWEEN LATERAL ROWS FOR BOTTOM 1/3 OF SLOPE TO BE SPACED GREATER THAN OPTIMAL ROW DISTANCE. SEE MANUFACTURER DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACING. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING

1) PVC DRIP MANIFOLD FROM CONTROL ZONE VALVE KIT (SIZED TO MEET

(9) DRIPLINE INDICATOR. SEE DETAIL FOR ADDITIONAL INFORMATION

D	ripline M	aximum l	Lateral L	engths (F	eet)	
	12" S	pacing	18" S	pacing	24" S	pacing
Inlet Pressure psi	Nominal Flow (gph)		Nominal Flow (gph)		Nominal Flow (g	
	0.6	0.9	0.6	0.9	0.6	0.
15	273	155	314	250	424	32
20	318	169	353	294	508	36
30	360	230	413	350	586	41
40	395	255	465	402	652	47
50	417	285	528	420	720	48
60	460	290	596	455	780	51



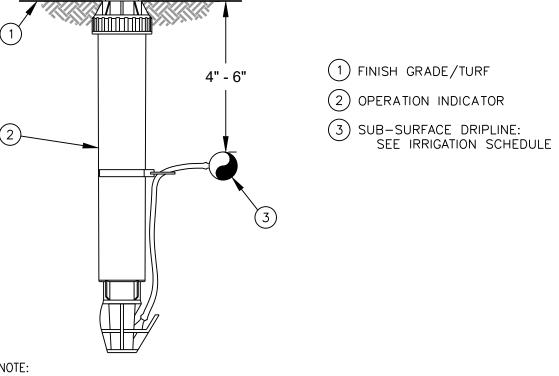
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION. 3. INSERTION PLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.

DRIPLINE BURIAL

DRIPLINE ODD CURVES LAYOUT

NOT TO SCALE

NOT TO SCALE



1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING. 2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 1/4 PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

(8) ARB X BARB INSERT TEE

(10) PVC FLUSH HEADER

SEE DETAIL

(12) PVC RISER PIPE

(13) TURF OR MULCH

(15) 1/2" AIR RELIEF VALVE: SEE DETAIL

(16) DRIPLINE INDICATOR. SEE DETAIL FOR ADDT'L INFO

(14) FINISH GRADE

(11) FLUSH POINT:

(9) TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT

EXCEED LENGTH SHOWN IN TABLE

DRIP IRRIGATION DRIPLINE INDICATOR

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN

2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL

1) PVC SUPPLY PIPE FROM RAIN BIRD CONTROL

(3) PERIMETER DRIPLINE PIPE TO BE INSTALLED

2"-4" FROM PERIMETER OF AREA

(5) PVC SCH 40 TEE OR EL (TYPICAL)

SEE IRRIGATION SCHEDULE

ZONE KIT (SIZED TO MEET LATERAL FLOW

NOT TO SCALE

ELEVATION. SEE INSTALLATION SPECIFICATIONS FOR SPACING

2 PERIMETER OF AREA

(4) PVC SUPPLY MANIFOLD

(6) BARB X MALE FITTING

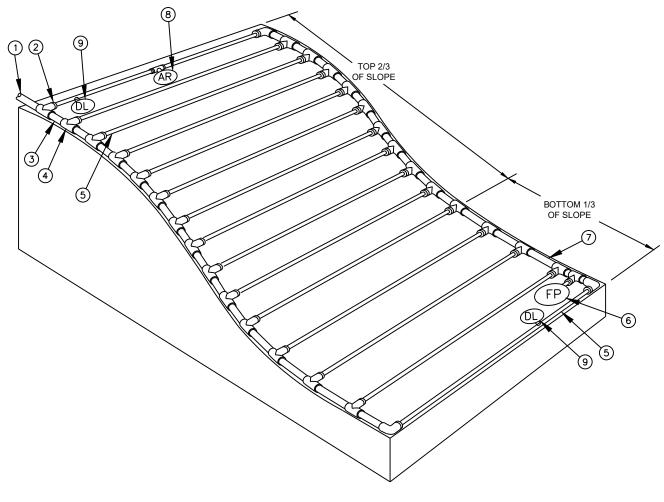
(7) SUB-SURFACE DRIPLINE:

3. INSTALL AIR RELIEF VALVE AT HIGH POINTS IN DRIP LATERAL.

CLAMPS BE INSTALLED ON EACH FITTING.

DRIP MANIFOLD

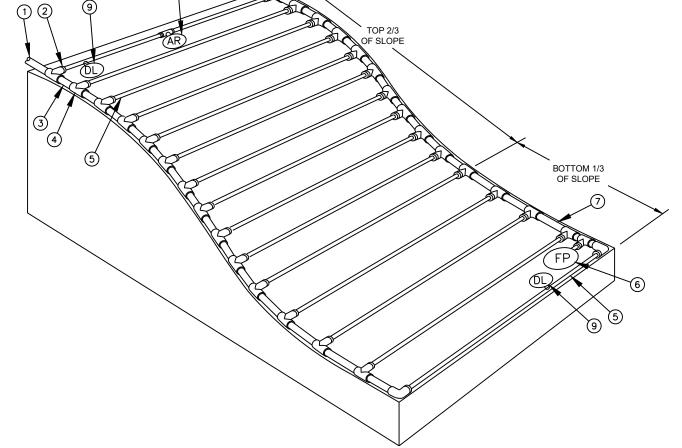
BURIAL DEPTH



DRIPLINE END FEED LAYOUT

NOT TO SCALE

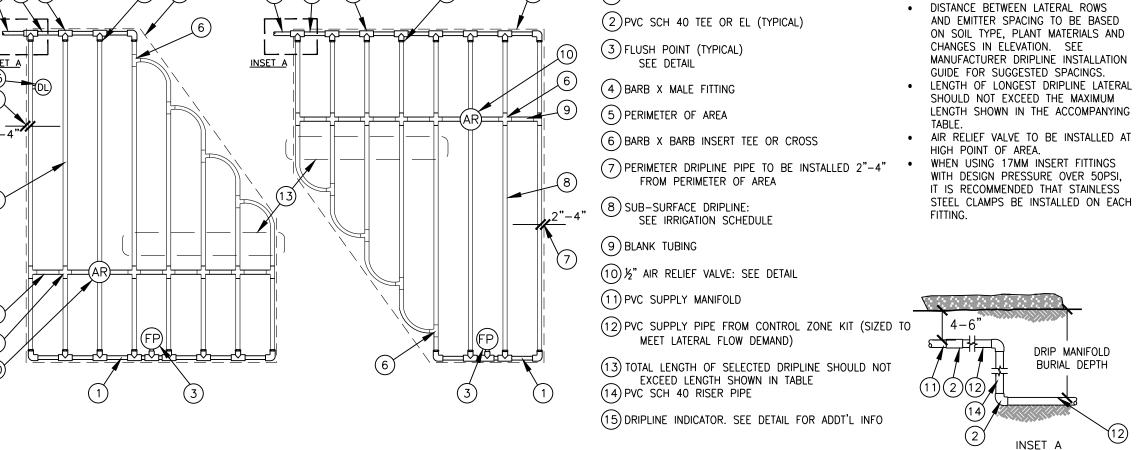
DRIPLINE SLOPED LAYOUT



(1) PVC EXHAUST HEADER

DRIP MANIFOLD BURIAL DEPTH <u>INSET A</u>

NOT TO SCALE



2

DRIPLINE IRREGULAR SHAPED LAYOUT

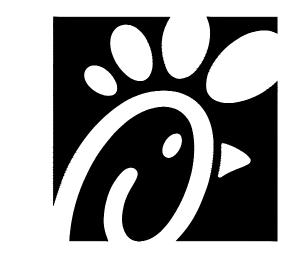


Know what's **below**. Call before you dig. **Dial 811**

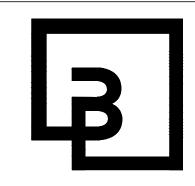
(10) PVC RISER PIPE

(11) TURF OR MULCH

12) FINISH GRADE



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FSR#05529

BUILDING TYPE / SIZE:

RELEASE:

REVISION SCHEDULE NO. DATE

CONSULTANT PROJECT # 22779 06/19/24 DRAWN BY

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IRRIGATION DETAILS

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