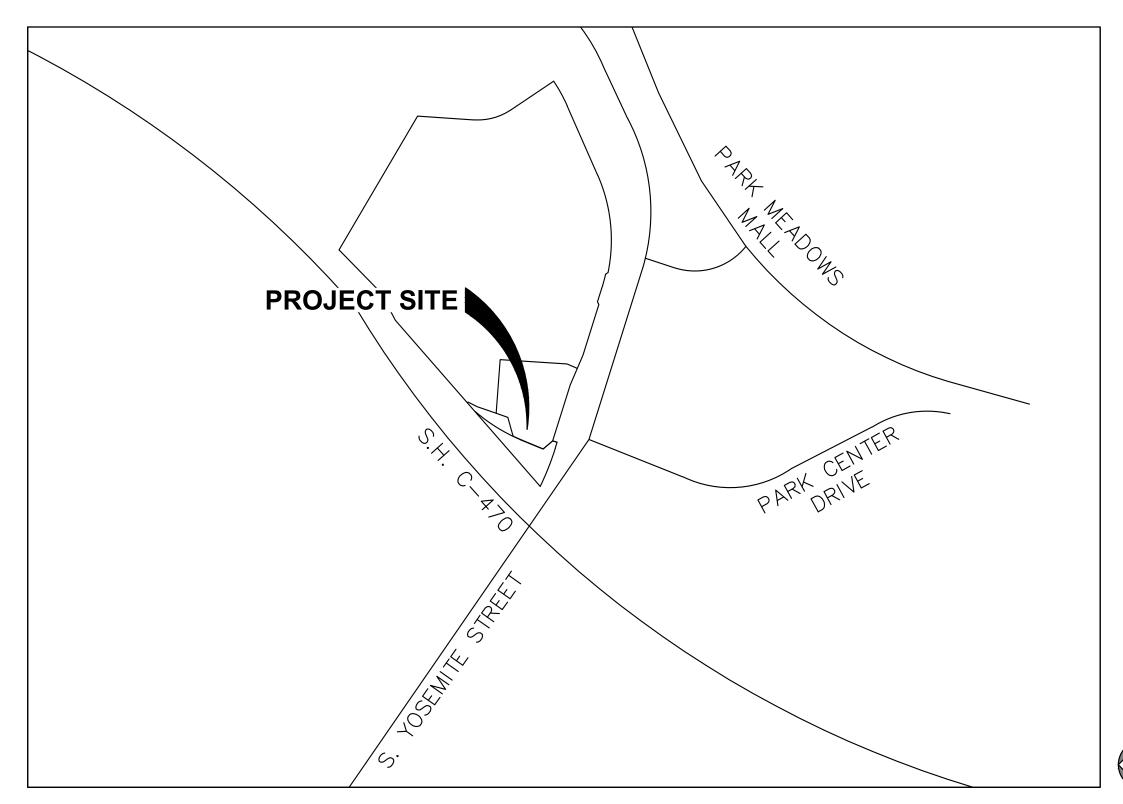
A PORTION OF LOT A1, BLOCK 2 PARKWAY SUBDIVISION FILING NO. 3, 4TH AMENDMENT LOCATED IN THE WEST HALF OF SECTION 3 TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE 6TH P.M. CITY OF LONE TREE, COUNTY OF DOUGLAS, STATE OF COLORADO. **1.33 ACRES** 



# VICINITY MAP

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**ELECTRIC** XCEL ENERGY

2655 NORTH 63RD STREET

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PHONE: (303) 519-7206

DEVELOPER CHICK-FIL-A, INC.

**CIVIL ENGINEER** 

LUMEN (PREVIOUSLY CENTURY LINK)

EMAIL: TRAVIS.YOUNG@LUMEN.COM

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PHONE: 720-610-2509

BOULDER, CO 80301

### PROJECT CONTACTS

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SOUTHGATE WATER AND SANITATION 3722 EAST ORCHARD ROAD

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STORM DRAINAGE

CENTENNIAL, CO 80121

CITY OF LONE TREE PUBLIC WORKS 9220 KIMMER DR, SUITE 100 LONE TREE, CO 80124 CONTACT: JACOB JAMES PHONE: 720-509-1240

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MERRICK & COMPANY 5970 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO 80111 CONTACT: MR. KELLAN BLACK PHONE: (303) 353-3590 EMAIL: KELLAN.BLACK@MERRICK.COM

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**GESC DETAIL 3** 

80

C10.7

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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

EX TREE EX IRRIGATION VALVE

LEGEND:

PROPERTY LINE

IRRIGATION METER

SINGLE CLEANOUT

TRANSFORMER

STORM MANHOLE

PROPOSED TRAFFIC SIGN

PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

EX STORM MANHOLE

EX STORM INLET

EX LIGHT POLE

EX GAS SERVICE

EX WATER LINE

EX STORM SEWER

EX FIRE HYDRANT

EX TRAFFIC SIGN

EX MAJOR CONTOUR

EX MINOR CONTOUR

EX SANITARY SEWER

EX TELEPHONE SERVICE

EX SANITARY MANHOLE

EX ELECTRIC SERVICE

PAVEMENT STRIPING

PARKING COUNT

ELECTRIC SERVICE

STORM SWALE

STORM SEWER

GAS LINE

— *- 5555* – —

— - *5555* – —

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E

STORM INLET

LIGHT POLE

TWO-WAY CLEANOUT

GREASE INTERCEPTOR

WATER METER

EX WATER VALVE EX ELECTRIC BOX CONCRETE PAVEMENT

ACCESSIBLE PATH

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

REVISION SCHEDULE

NO. DATE DESCRIPTION

CONSULTANT PROJECT #

65121141

PRINTED FOR FOR CONSTRUCTION

COVER

SHEET NUMBER

Know what's below. Call before you dig.

BASIS OF BEARING:

THE FOUND MONUMENTS SHOWN HEREON.

**ORIGIN BENCHMARK:** 

**LEGAL DESCRIPTION:** 

CITY OF LONE TREE, COUNTY OF DOUGLAS, STATE OF COLORADO

8813 88S 89E" ELEVATION = 5757.30

PRINCIPAL MERIDIAN

A BRASS CAP LOCATED IN THE MEDIAN OF COUNTY LINE ROAD, EAST OF

A REPLAT OF LOT A1, BLOCK 2, PARKWAY SUBDIVISION FILING NO. 3 - 4TH AMENDMENT

YOSEMITE STREET. CAP STAMPED "APAPAHOE COUNTY ENGINEERING, B.M. C

LOCATED IN THE WEST HALF OF SECTION 3, TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE SIXTH

BEARINGS ARE ARE BASED UPON THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, AS BEARING N02°13'40"W A DISTANCE OF 2699.17 FEET BETWEEN

ENGINEERING DIVISION ACCEPTANCE BLOCK

CITY OF LONE TREE

THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY.

CITY OF LONE TREE APPROVAL

THE CITY OF LONE TREE ENGINEER'S SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THE ENGINEERING DIVISION HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL CONFORMANCE WITH THE CITY OF LONE TREE SUBDIVISION RESOLUTION OR APPROVED VARIANCES TO THOSE REGULATIONS. THE CITY OF LONE TREE ENGINEER, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY, OTHER THAN STATED ABOVE, FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS. THE OWNER AND ENGINEER UNDERSTAND THAT THE RESPONSIBILITY FOR THE ENGINEERING ADEQUACY OF THE FACILITIES DEPICTED IN THIS DOCUMENT LIES SOLELY WITH THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE IS AFFIXED TO THIS DOCUMENT.

ALL ROADWAY CONSTRUCTION SHALL CONFORM TO CURRENT DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS.

ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION. THE CITY RESERVES

THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS. 5. THE CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE PUBLIC WORKS, INSPECTION SECTION, (303) 662-8112, A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO STARTING CONSTRUCTION, AND/OR BEFORE RESTARTING CONSTRUCTION AFTER A SHUTDOWN OF MORE THAN 10

LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION, CONTACT: UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT (800) 922-1987 OR 811.

THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY (SIGNED BY BOTH DESIGN ENGINEER AND CITY OF LONE TREE) OF THE CONSTRUCTION PLANS AND GESC REPORT AND PLAN, AND ONE (1) COPY OF THE DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS AT THE JOB SITE AT ALL TIMES.

8. ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER, OR OTHER PURPOSES ARE LISTED AND REFERENCED

ASPHALT & CURB CUT FOR DOMESTIC WATER SERVICE ON SOUTH YOSEMITE STREET.

ASPHALT & CURB CUT FOR FIRE SERVICE ON SOUTH YOSEMITE STREET.

ASPHALT & CURB CUT FOR SANITARY SEWER SERVICE ON SOUTH YOSEMITE STREET.

ASHPALT CUT FOR SANITARY SEWER MAIN ON SOUTH YOSEMITE STREET.

A ROW/CONSTRUCTION PERMIT MUST BE OBTAINED BEFORE ANY WORK WITHIN EXISTING OR PROPOSED PUBLIC ROW. THE PERMIT APPLICATION MUST BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR REVIEW/PROCESSING A MINIMUM OF 7 DAYS PRIOR TO REQUESTED START FOR THE WORK IN THE ROW.

10. A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR ACCEPTANCE WITH THE PERMIT APPLICATION. AN EXCAVATION OR PUBLIC IMPROVEMENTS CONSTRUCTION PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION.

11. THE CONSTRUCTION PLANS SHALL BE CONSIDERED VALID FOR TWO (2) YEARS FROM THE DATE OF CITY OF LONE TREE ACCEPTANCE/APPROVAL. IF APPLICABLE CONSTRUCTION PERMITS HAVE NOT BEEN OBTAINED, AND CONSTRUCTION STARTED WITHIN THAT TIME, THESE PLANS SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY THE CITY OF LONE TREE.

12. CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE ENGINEER INSPECTOR WHEN WORKING OUTSIDE OF THE PUBLIC RIGHT-OF-WAY ON ANY FACILITY WHICH WILL BE CONVEYED TO THE CITY, URBAN DRAINAGE AND FLOOD CONTROL DISTRICT, OR OTHER SPECIAL DISTRICT FOR MAINTENANCE (STORM SEWER, ENERGY DISSIPATERS, DETENTION OUTLET STRUCTURES, OR OTHER DRAINAGE INFRASTRUCTURES). FAILURE TO NOTIFY ENGINEERING INSPECTOR TO ALLOW THEM TO INSPECT THE CONSTRUCTION MAY RESULT IN NON-ACCEPTANCE OF THE FACILITIES/INFRASTRUCTURE BY CITY AND/OR URBAN DRAINAGE.

### SIGNAGE AND STRIPING NOTES:

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT VERSION OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE "COLORADO SUPPLEMENTAL MUTCD" AND THE DOUGLAS COUNTY "ROAD AND CONSTRUCTION STANDARDS MANUAL". FURTHER SPECIFICATIONS AND ILLUSTRATIONS ARE LOCATED IN THE COLORADO DIVISION OF HIGHWAYS "M AND S STANDARDS".

2. DELINEATION OF ROADWAYS SHALL BE AS SPECIFIED IN THE COLORADO "M AND S MANUAL".

SPECIAL CARE SHALL BE TAKEN IN SIGN LOCATION TO ENSURE AN UNOBSTRUCTED VIEW OF EACH SIGN. STREET NAME SIGNS SHALL BE MOUNTED SO THAT THEY CAN BE SEEN FROM ALL DIRECTIONS OF TRAVEL.

INSTALLATION OF SIGNS SHALL CONFORM TO THE MUTCD MOUNTING HEIGHT REQUIREMENTS, INCLUDING A 7-FOOT MINIMUM HEIGHT FROM THE BOTTOM OF THE LOWEST SIGN PANEL TO THE TOP GRADE OF SIDEWALK.

ALL NEWLY INSTALLED TRAFFIC SIGNS SHALL MEET THE MINIMUM RETRO-REFLECTIVITY AND ILLUMINATION STANDARDS AS SET FORTH BY THE MUTCD (LATEST EDITION). THESE MINIMUM REQUIREMENTS SHALL FALL UNDER THE REQUIREMENTS OF THE TWO (2) YEAR WARRANTY PERIOD FOR NEW CONSTRUCTION.

6. DIAMOND GRADE MATERIAL SHALL BE USED ON ALL STOP SIGNS.

THE CONTRACTOR INSTALLING SIGNS IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES. LONE TREE PUBLIC WORKS SHALL BE CONTACTED A MINIMUM OF 72 HOURS PRIOR TO INSTALLATION AT 303-662-8112.

FOLLOWING INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE PUBLIC WORKS DEPARTMENT, 303-662-8112. A FIELD INSPECTION OF LOCATION AND INSTALLATION OF ALL SIGNS SHALL BE PERFORMED BY PUBLIC WORKS. ALL DISCREPANCIES IDENTIFIED DURING THE FIELD INSPECTION MUST BE CORRECTED BEFORE THE TWO-YEAR WARRANTY PERIOD WILL BEGIN.

SIGNAGE AND STRIPING HAS BEEN DETERMINED BY INFORMATION AVAILABLE AT THE TIME OF REVIEW. PRIOR TO INITIATION OF THE WARRANTY PERIOD, LONE TREE RESERVES THE RIGHT TO REQUIRE MODIFICATIONS TO EXISTING OR INSTALLATION OF ADDITIONAL SIGNAGE AND/OR STRIPING IF THEY DETERMINE THAT AN UNFORESEEN CONDITION WARRANTS SUCH MODIFICATION ACCORDING TO THE MUTCD OR THE CDOT M AND S STANDARDS. ALL SIGNAGE AND STRIPING SHALL FALL UNDER THE REQUIREMENTS OF THE TWO (2) YEAR WARRANTY PERIOD FOR NEW CONSTRUCTION, UPDATED 03-1-12

FINAL STRIPING AND CROSSWALK LAYOUT TO BE APPROVED BY THE CITY OF LONE TREE PRIOR TO INSTALLATION. LONE TREE PUBLIC WORKS SHALL BE CONTACTED A MINIMUM OF 72 HOURS PRIOR TO INSTALLATION AT 303-662-8112.

CROSSWALKS SHALL:

BE CONSTRUCTED USING 125 MIL PREFORMED THERMOPLASTIC. LINE UP WITH THE HANDICAP RAMPS AT BOTH ENDS. BE CENTERED ON LANE LINES SO AS TO BE STRADDLED BY VEHICLES.

12. ALL PAVEMENT MARKINGS SHALL BE AS FOLLOWS: FOR CONCRETE SURFACE: METHYL METHACRYLATE OR EPOXY PAINT. FOR ASPHALT SURFACE: PAINT, 90 MIL PREFORMED THERMOPLASTIC, INLAID MARKING TAPE, METHYL METHACRYLATE, OR EPOXY PAINT. TURN ARROWS AND ONLYS: 125 MIL PREFORMED THERMOPLASTIC.

13. ALL PAVEMENT MARKING SHALL BE PRECEDED BY THE APPROPRIATE SURFACE PREPARATION.

14. ANY SIGNAGE AND/OR OTHER TRAFFIC CONTROL DEVICES REMOVED SHALL BE RETURNED TO THE CITY OF LONE TREE.

TYPE III LIGHTED BARRICADES SHALL BE SET AT ENDS OF ROADWAYS, SEPARATING FINISHED AND UNFINISHED CONSTRUCTION AREAS AND WILL BE MAINTAINED BY THE CONTRACTOR/DEVELOPER.

> NOTE: ALSO SEE CITY OF LONE TREE "STREET SIGN DETAILS" FOR ADDITIONAL INTERSECTION STREET SIGNAGE REQUIREMENTS.

## R.O.W. IMPROVEMENT NOTES:

CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLAN TO THE CITY OF LONE TREE. TRAFFIC CONTROL PLAN MUST BE APPROVED BY THE CITY PRIOR TO COMMENCEMENT OF ANY AND ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY. TRAFFIC CONTROL PLAN AND CONSTRUCTION PHASING SHALL ENSURE THAT ONE LANE OF TRAFFIC REMAIN OPEN AT ALL TIMES IN BOTH DIRECTIONS.



**GENERAL NOTES** 

1. BENCHMARK: ELEVATIONS ARE BASED UPON THE NGS BENCHMARK UNBEWUST, A BRASS DISK STAMPED "UNBEWUST 1992" AND SET IN THE NORTHWEST CORNER OF A 24'X16' ROCK OUTCROP, LOCATED 0.2 MILE SOUTHWEST ALONG A PAVED ROAD FROM EXIT 191 OFF INTERSTATE 25 AND 22.5' EAST OF CENTERLINE, 123' NORTH OF THE OUTLET OF A 3' CORRUGATED METAL CULVERT AND APPROXIMATELY 350' WEST OF THE WEST EDGE OF ASPHALT OF SOUTHBOUND INTERSTATE 25. ELEVATION = 6125.32 NAVD88 / DOUGLAS COUNTY DATUM.

2. PROJECT COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL ZONE COORDINATES. THE COMBINED FACTOR USED TO MODIFY COORDINATES WAS XXXX.

SANITARY FACILITIES SHALL BE PROVIDED AND MAINTAINED ON THE SITE AT ALL TIMES BY THE CONTRACTOR.

4. THE APPROPRIATE AUTHORITIES SHALL BE CONTACTED FOR ALL NECESSARY INSPECTIONS WITH AT LEAST 48 HOURS ADVANCE NOTICE.

5. DUST SHALL BE PROPERLY CONTROLLED BY THE CONTRACTOR AT ALL TIMES.

6. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR UNDERGROUND UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND PROTECTING THEM DURING CONSTRUCTION.

7. THE CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SAFETY INCLUDING BUT NOT LIMITED TO SAFETY DURING TRENCH EXCAVATION AND SHORING, TRAFFIC CONTROL, AND SECURITY.

8. THE CONTRACTOR MUST SECURE ALL REQUIRED PERMITS PRIOR TO THE START OF CONSTRUCTION.

9. THE CONTRACT DOCUMENTS AND SPECIFICATIONS THAT ARE SPECIFIC TO THIS PROJECT SHALL CONTROL ALL WORK EXCEPT WHEN STANDARDS AND SPECIFICATIONS OF DOUGLAS COUNTY CONFLICT OR OVERRIDE.

### **MERRICK GENERAL NOTES:**

THE OWNER SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE LOCAL ENTITY'S INSPECTOR AT ALL TIMES.

THE PROJECT PLANS AND SPECIFICATIONS AS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, FOR AND ON BEHALF OF MERRICK AND COMPANY, REPRESENT THE FINAL CONSTRUCTION DOCUMENTS FOR THIS PROJECT, THE USE OF ANY ELECTRONIC OR OTHER MEDIA PURPORTING TO REPRESENT THE FINAL CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL NOT BE RELIED UPON AS FINAL CONSTRUCTION DOCUMENTS. SHOULD THERE BE A CONFLICT BETWEEN SEALED DRAWINGS AND ELECTRONIC OR OTHER MEDIA FILES. THE SEALED DRAWINGS SHALL GOVERN. EACH USER OF ANY ELECTRONIC OR OTHER MEDIA WAIVES AND RELEASES MERRICK FROM ALL ACTIONS, CLAIMS, DAMAGES, ACTIONS, OBLIGATIONS AND LIABILITIES OF ANY KIND OR NATURE WITH RESPECT TO THE ELECTRONIC OR OTHER MEDIA FILES.

NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.

THE PROJECT PLANS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE COMPLETED PROJECT IN A COMPLETE AND OPERABLE CONDITION. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND PROVIDE ALL LABOR NECESSARY TO COMPLETE THE PROJECT IN A NEAT AND WORKMANLIKE MANNER, INCLUDING ALL INCIDENTIALS NECESSARY TO COMPLETE THE WORK, WITHOUT ADDITIONAL COST TO THE OWNER.

UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION, OR TO THE GRADES AND CONDITION AS REQUIRED BY THESE PLANS. EXISTING FENCES, TREES, STREETS, SIDEWALKS, CURBS AND GUTTERS, LANDSCAPING, STRUCTURES, AND IMPROVEMENTS DESTROYED, DAMAGED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED OR RESTORED. IN LIKE KIND AT THE OWNER'S EXPENSE, UNLESS OTHERWISE INDICATED ON THESE PLANS.

DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER OR HIS DESIGNATED REPRESENTATIVE MAY CAUSE THE WORK TO BE DEEMED UNACCEPTABLE.

MERRICK & COMPANY IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, MERRICK WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

8. WHEN APPLICABLE, THE OWNER SHALL HAVE ONSITE AT ALL TIMES, EACH OF THE FOLLOWING:

8.1. THE NOTICE OF INTENT (NOI)

8.2. BEST MANAGEMENT PRACTICES (BMP) MAINTENANCE FOLDER

8.3. UP TO DATE STORMWATER MANGEMENT PLAN (SWMP) THAT ACCURATELY REPRESENTS CURRENT FIELD CONDITIONS

ONE (1) SIGNED COPY OF THE APPROVED PLANS

ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB.

ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE CITY OF LONE TREE STANDARDS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE MOST RESTRICTIVE STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE LOCAL

DO NOT SCALE DRAWINGS. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE DESIGNER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS

11. THE BOUNDARY AND TOPOGRAPHIC INFORMATION ON THESE PLANS IS TAKEN FROM FIELD SURVEYS PREPARED BY MERRICK AND COMPANY DATED MARCH 21, 2022 AND ADDITIONAL INFORMATION DATED DECEMBER 12, 2022. SURVEY WAS ONLY ABLE TO ACCESS A PORTION OF THE SITE DUE TO CONSTRUCTION ACTIVITIES TAKING PLACE ALONG THE SOUTHERN PROPERTY LINE. DOUGLAS COUNTY IS IN THE PROCESS OF CONSTRUCTING A PEDESTRIAN BRIDGE ALONG THE C-470 CORRIDOR. THE DOUGLAS COUNTY CAPITAL PROJECTS ENGINEER, NEIL SARNO, HAS PROVIDED A PDF OF THE AT HOME PARKING LOT IMPROVEMENTS COMPLETED. CAD FILES WERE UNOBTAINABLE DUE TO PROPRIETARY DISCRETION OF THE PROJECT ACCORDING TO DOUGLAS COUNTY. THIS INFORMATION WAS PROVIDED VIA EMAIL DATED DECEMBER 14, 2022 AND INCORPORATED AS BEST AS POSSIBLE. CONTRACTOR TO FIELD VERIFY EXISTING TOPOGRAPHY OF THE DOUGLAS COUNTY PEDESTRIAN BRIDGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION. NOTIFY ENGINEER OF RECORD IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

12. THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL EVALUATION WHEN COMPLETED.

13. THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE WORK AND SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. A COPY OF ALL PERMITS SHALL BE MAINTAINED ON-SITE AT ALL TIMES.

14. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF ALL PERSONNEL AND EQUIPMENT ON THE PROJECT SITE AT ALL TIMES, AND IS NOT LIMITED TO NORMAL WORKING HOURS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH REGULATIONS.

15. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE OWNER SHALL CONTACT THE DESIGNER AND THE LOCAL ENTITY ENGINEER IMMEDIATELY.

16. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

17. THERE SHALL BE NO WORK PERFORMED ON WEEKENDS OR HOLIDAYS, UNLESS ACCEPTED AND APPROVED IN WRITING AND IN ADVANCE BY THE OWNER, ENGINEER, AND LOCAL JURISDICTION.

18. MAINTAIN EMERGENCY VEHICLE ACCESS TO AND THROUGH THE PROJECT SITE AT ALL TIMES.

19. ACCESS TO PRIVATE PROPERTY AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR TO PROVIDE ALTERNATIVE MEANS OF INGRESS AND EGRESS TO PRIVATE PROPERTY AND BUSINESS LOCATIONS AS NECESSARY TO PROVIDE FOR THE TIMELY COMPLETION OF THE PROJECT.

20. THE CONTRACTOR SHALL CALL THE NATIONWIDE UTILITY CONTACT NUMBER (811) OR LOCAL UTILITY LOCATE SERVICE, TO REQUEST LOCATES OF ALL UNDERGROUND UTILITIES AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITY.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES, INCLUDING DEPTH. THE TYPE, SIZE. LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES. THE UTILITIES SHOWN ON THE PLANS ARE FROM THE BEST AVAILABLE INFORMATION AND MAY NOT INCLUDE ALL UTILITIES THAT EXIST ON THE PROJECT SITE, IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK BEFORE COMMENCING NEW CONSTRUCTION. THE OWNER SHALL BE RESPONSIBLE FOR UNKNOWN UNDERGROUND UTILITIES.

22. APPROXIMATE WHEN SHOWN ON THE DRAWINGS. ALL UTILITY INSTALLATIONS WITHIN OR ACROSS THE ROADBED OF NEW RESIDENTIAL ROADS MUST BE COMPLETED PRIOR TO THE FINAL STAGES OF ROAD CONSTRUCTION. FOR THE PURPOSES OF THESE STANDARDS, ANY WORK EXCEPT C/G ABOVE THE SUBGRADE IS CONSIDERED FINAL STAGE WORK. ALL SERVICE LINES MUST BE STUBBED TO THE PROPERTY LINES AND MARKED SO AS TO REDUCE THE EXCAVATION NECESSARY FOR BUILDING CONNECTIONS.

23. A STATE CONSTRUCTION DEWATERING WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DEWATERING IS REQUIRED IN ORDER TO INSTALL UTILITIES OR BEFORE WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.

24. THE OWNER SHALL COORDINATE AND COOPERATE WITH THE LOCAL ENTITY, AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS, ADJUSTMENTS, EXTENSIONS AND REARRANGEMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE OWNER SHALL BE RESPONSIBLE FOR CONTACTING, IN ADVANCE, ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE AS WELL AS THE UTILITY COMPANIES. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED.

26. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS, EXISTING TOPOGRAPHIC DATA, AND LOCATIONS OF ALL UTILITIES PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES ON THE PROJECT SITE. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES, WHETHER SHOWN OR NOT ON THE PROJECT PLANS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES FOUND PRIOR TO INITIATING ANY WORK.

27. ANY DISRUPTION IN UTILITIES SHALL BE COORDINATED AT LEAST 48 HOURS IN ADVANCE WITH THE UTILITY OWNER, PROJECT OWNER, EMERGENCY PROVIDERS, ALL IMPACTED LOCAL RESIDENTS, AND IMPACTED BUSINESS OWNERS. METHOD OF NOTIFICATION SHALL BE SUBJECT TO APPROVAL OF THE PROJECT OWNER AND AFFECTED UTILITY.

28. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF SURFACE CONDITIONS DISTURBED BY CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE OWNER, PROPERTY OWNER, AFFECTED UTILITY, AND/OR LOCAL JURISDICTION. ALL SURFACE AND UTILITY RESTORATION SHALL BE REPLACED WITH LIKE KIND, SIZE, AND TYPE OF IMPROVEMENT THAT EXISTED PRIOR TO INITIATING CONSTRUCTION AT NO ADDITIONAL EXPENSE TO THE PROJECT OWNER.

29. OVERLOT GRADING CONSTRUCTION MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY." CONTACT THE COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, WATER QUALITY CONTROL DIVISION, PHONE (303) 692-3500.

30. PAVING SHALL NOT START UNTIL A SOILS REPORT AND PAVEMENT DESIGN IS ACCEPTED BY THE LOCAL ENTITY ENGINEER AND SUBGRADE COMPACTION TESTS ARE TAKEN AND ACCEPTED BY THE LOCAL ENTITY

31. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING SOILS TESTS WITHIN THE PUBLIC RIGHT- OF-WAY AFTER RIGHT OF WAY GRADING AND ALL UTILITY TRENCH WORK IS COMPLETE. IF THE FINAL SOILS/PAVEMENT DESIGN REPORT DOES NOT CORRESPOND WITH THE RESULTS OF THE ORIGINAL GEOTECHNICAL REPORT, THE OWNER SHALL BE RESPONSIBLE FOR A RE-DESIGN OF THE SUBJECT PAVEMENT. SECTION OR, THE OWNER MAY USE THE LOCAL ENTITY'S DEFAULT PAVEMENT THICKNESS SECTION(S). REGARDLESS OF THE OPTION USED, ALL FINAL SOILS/PAVEMENT DESIGN REPORTS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER. THE FINAL REPORT SHALL BE SUBMITTED TO THE INSPECTOR A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO PLACEMENT OF BASE AND ASPHALT. PLACEMENT OF BASE AND ASPHALT SHALL NOT OCCUR UNTIL THE ENGINEERING DIVISION APPROVES THE FINAL REPORT.

32. ALL ROAD CONSTRUCTION IN AREAS DESIGNATED AS WILD FIRE HAZARD AREAS SHALL BE DONE IN ACCORDANCE WITH THE CONSTRUCTION CRITERIA AS ESTABLISHED IN THE WILD FIRE HAZARD AREA MITIGATION REGULATIONS IN FORCE AT THE TIME OF FINAL PLAT APPROVAL.

33. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO VARIOUS FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.

34. TRAFFIC CONTROL STANDARDS FOR THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. A TRAFFIC CONTROL PLAN APPROVED BY THE LOCAL ENTITY EXERCISING JURISDICTION SHALL BE OBTAINED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

35. THE OWNER SHALL SUBMIT A CONSTRUCTION TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH MUTCD, TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY. (LOCAL ENTITY, COUNTY OR STATE), FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE

36. SAW CUT ALL JOINTS IN EXISTING PAVEMENTS. SAW CUT JOINTS IN CURB AND GUTTER SECTIONS SHALL BE CONTINUOUS THROUGH THE CURB HEAD.

37. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO INITIATING ANY WORK ON THE PROJECT SITE. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY A CITY OF LONE TREE GESC INSPECTOR.

38. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION AND AT AREAS WITH DISTURBED SOIL, ON- OR OFF-SITE, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE OWNER, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS IS STABILIZED WITH HARD SURFACE OR LANDSCAPING.

39. THE OWNER SHALL BE RESPONSIBLE FOR INSURING THAT NO MUD OR DEBRIS SHALL BE TRACKED ONTO THE EXISTING PUBLIC STREET SYSTEM. MUD AND DEBRIS MUST BE REMOVED BY THE END OF EACH WORKING DAY BY AN APPROPRIATE MECHANICAL METHOD (I.E. MACHINE BROOM SWEEP, LIGHT DUTY FRONT-END LOADER, ETC.) OR AS APPROVED BY THE LOCAL ENTITY STREET INSPECTOR.

40. ALL WASTE MATERIALS SHALL BE PROPERLY DISPOSED OF IN AN APPROVED LANDFILL PERMITTED TO ACCEPT THAT PARTICULAR TYPE OF WASTE

41. WHERE CONFLICTS EXIST BETWEEN GENERAL NOTES AND THE NOTES OF SPECIFIC GOVERNING JURISDICTIONS, THE GREATER STANDARD OR REQUIREMENT SHALL PREVAIL. WHERE CONFLICTS BETWEEN THE PLANS AND SPECIFICATIONS AND THE NOTES OR REQUIREMENTS OF SPECIFIC GOVERNING JURISDICTIONS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR OWNER IMMEDIATELY AND REQUEST CLARIFICATION.

42. CONTRACTOR RESPONSIBLE FOR PROVIDING STRUCTURAL DESIGN OF PROPOSED RETAINING WALL AND PROCESSING STRUCTURAL DRAWINGS THROUGH CITY OF LONE TREE PUBLIC WORKS. CONTRACTOR SHALL VERIFY THAT ADDITIONS TO EXISTING WALL SHALL FIT WITH PROPOSED WALL.

43. A COLORADO PE SIGNED/SEALED WALL DESIGN MUST BE PREPARED AND SUBMITTED TO THE CITY (ATTENTION PUBLIC WORKS/ENGINEERING)

44. THE CITY WILL "RECEIVE AND PLACE ON FILE" THE DESIGN REPORT, WHILE THE CITY MAY SCAN THE REPORT FOR GENERAL CONTENT AND APPARENT SUFFICIENCY OF DOCUMENTATION, THE CITY WILL NOT DO AN ENGINEERING REVIEW FOR ADEQUACY OF THE DESIGN NOR ISSUE A FORMAL APPROVAL. THE RESPONSIBILITY FOR THE ADEQUACY OF WALL DESIGN WILL REST WITH THE PE SIGNING/SEALING THE DESIGN.

45. DURING CONSTRUCTION OF THE WALL, THE DEVELOPER/CONTRACTOR SHALL PROVIDE, VIA A THIRD PARTY ENTITY, SUFFICIENT INSPECTION/DOCUMENTATION TO BE ABLE TO PROVIDE TO THE CITY (ATTENTION PUBLIC WORKS/ENGINEERING) A PE SIGNED/SEALED POST CONSTRUCTION CERTIFICATION THAT THE WALL(S) WERE CONSTRUCTED IN GENERAL CONFORMANCE WITH THE SUBMITTED PE SIGNED/SEALED DESIGN.

46. THE NOTED CONSTRUCTION CERTIFICATION MUST BE SUBMITTED TO THE CITY PRIOR TO ISSUANCE OF FINAL CERTIFICATE(S) OF OCCUPANCY.

47. THE CITY (VIA PUBLIC WORKS/ENGINEERING WILL "RECEIVE AND PLACE ON FILE" THE PE SIGNED/SEALED POST CONSTRUCTION WALL CERTIFICATION.

48. ALL EXISTING AND PROPOSED VALVE AND MANHOLE COVERS SHALL BE ADJUSTED TO FINAL PAVEMENT GRADE DURING CONSTRUCTION, SEWER RIM ELEVATIONS SHOWN ARE APPROXIMATE AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. THE PIPELINE CONTRACTOR SHALL USE CONCRETE ADJUSTMENT RINGS TO ALLOW FOR LATER ADJUSTMENT TO MATCH FINAL PAVEMENT ELEVATIONS.

49. THE MAXIMUM CROSS SLOPE FOR ANY SIDEWALK SHALL NOT EXCEED 2.00%. THE MAXIMUM LONGITUDINAL GRADE SHALL NOT EXCEED 5.00%, EXCEPT WHERE SPECIFICALLY NOTED AS "RAMPS", ANYWHERE ON THIS PROJECT. "RAMPS", EXCEPT FOR CURB RAMPS, SHALL NOT HAVE A SLOPE EXCEEDING 1:12 AND SHALL HAVE APPROVED PEDESTRIAN HAND RAIL ON BOTH SIDES OF THE RAMP.

50. ALL EXTERIOR STEPS SHALL HAVE RISER HEIGHTS AS NOTED ON THE GRADING PLAN AND 12-INCH TREAD DEPTHS (UNLESS OTHERWISE NOTED).

51. TREADS SHALL HAVE A SLOPE OF ONE PERCENT AND SHALL HAVE A 1/2-INCH RADIUS ON THE NOSING.

52. LANDINGS SHALL HAVE A MAXIMUM SLOPE, IN ANY DIRECTION, OF TWO PERCENT AND SHALL NOT BE LESS THAN FIVE FEET WIDE IN ANY DIRECTION.

53. CURB RAMPS SHALL MEET CITY OF LONE TREE, DOUGLAS COUNTY, AND ADA STANDARDS.

55. SLOPE AWAY FROM ALL BUILDING FOUNDATIONS SHALL NOT BE LESS THAN FIVE PERCENT (5%) FOR THE FIRST

54. ACCESSIBLE ROUTE CROSSINGS ON ASPHALT PAVEMENT SHALL BE LESS BLUE-TOPPED IN THE FIELD PRIOR

TO PLACING PAVEMENT. CROSS-SLOPES ON THE ACCESSIBLE ROUTE SHALL NOT EXCEED TWO PERCENT

56. THE CONTRACTOR SHALL SUBMIT STORM SEWER INLET SHOP DRAWINGS AND DESIGN ANALYSIS FOR INLETS MORE THAN 6 FEET IN DEPTH AND FOR INLETS THAT REQUIRE A LARGE BASE DUE TO PIPE SIZE AND PIPE

57. ALL STORM SEWER, LANDSCAPE, AND IRRIGATION IS PRIVATELY OWNED AND MAINTAINED.

10 FEET AND TWO PERCENT (2%) THEREAFTER.

2

CITY OF LONE TREE

CITY OF LONE TREE APPROVAL

THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY.



5200 Buffington Road

Atlanta, Georgia 30349-

FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

BUILDING TYPE / SIZE: P13 LS LRG (MOD

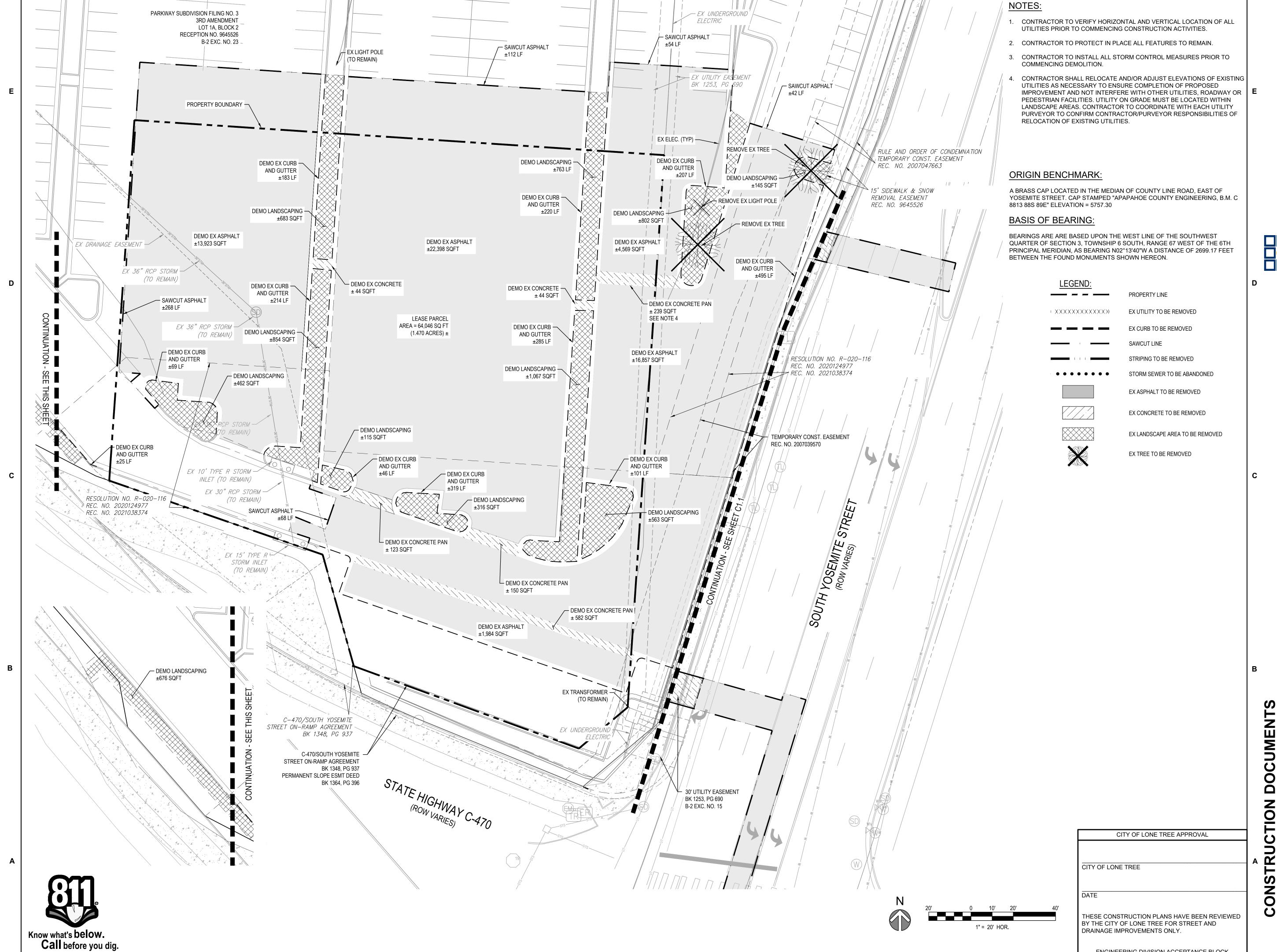
**REVISION SCHEDULE** NO. DATE

RELEASE:

() CONSULTANT PROJECT# 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23

SHEET NUMBER

ENGINEERING DIVISION ACCEPTANCE BLOCK



File Path: Q:\DEN\Projects\1141-00 CF/ EXISTING CONDITIONS & DEMO PLAN.



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FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23

**EXISTING CONDITIONS** & DEMO PLAN

ENGINEERING DIVISION ACCEPTANCE BLOCK

LEGEND: - XXXXXXXXXXXX

NOTES:

EX UTILITY TO BE REMOVED

EX CURB TO BE REMOVED

SAWCUT LINE

STRIPING TO BE REMOVED

STORM SEWER TO BE ABANDONED

EX ASPHALT TO BE REMOVED

EX CONCRETE TO BE REMOVED

EX LANDSCAPE AREA TO BE REMOVED

EX TREE TO BE REMOVED

1. CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

2. CONTRACTOR TO PROTECT IN PLACE ALL FEATURES TO REMAIN.

3. CONTRACTOR TO INSTALL ALL STORM CONTROL MEASURES PRIOR TO COMMENCING DEMOLITION.

4. CONTRACTOR SHALL RELOCATE AND/OR ADJUST ELEVATIONS OF EXISTING UTILITIES AS NECESSARY TO ENSURE COMPLETION OF PROPOSED IMPROVEMENT AND NOT INTERFERE WITH OTHER UTILITIES, ROADWAY OR | E PEDESTRIAN FACILITIES. UTILITY ON GRADE MUST BE LOCATED WITHIN LANDSCAPE AREAS. CONTRACTOR TO COORDINATE WITH EACH UTILITY PURVEYOR TO CONFIRM CONTRACTOR/PURVEYOR RESPONSIBILITIES OF RELOCATION OF EXISTING UTILITIES.

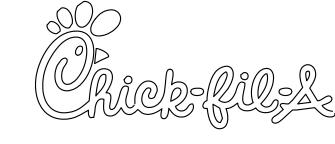


A BRASS CAP LOCATED IN THE MEDIAN OF COUNTY LINE ROAD, EAST OF YOSEMITE STREET. CAP STAMPED "APAPAHOE COUNTY ENGINEERING, B.M. C 8813 88S 89E" ELEVATION = 5757.30

### BASIS OF BEARING:

BEARINGS ARE ARE BASED UPON THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, AS BEARING N02°13'40"W A DISTANCE OF 2699.17 FEET BETWEEN THE FOUND MONUMENTS SHOWN HEREON.





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FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

NO. DATE DESCRIPTION

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**EXISTING CONDITIONS** & DEMO PLAN

CTION

CON

CITY OF LONE TREE THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY.

DEMO LANDSCAPING ±145 SQFT - REMOVE EX TREE DEMO EX CURB -AND GUTTER CONTINUATION - SEE SHEET C1.0 ±459 LF TEMPORARY CONST. EASEMENT 🗄 REC. NO. 2007039570 -30' UTILITY EASEMENT DEMO EX CONCRETE WALK BK 1253, PG 690 RESOLUTION NO. R-020-116 ± 78 SQFT B-2 EXC. NO. 15 REC. NO. 2020124977 - DEMO EX CURB REC. NO. 2021038374 AND GUTTER DEMO EX CONCRETE WALK -RULE AND ORDER OF CONDEMNATION ±15 LF TEMPORARY CONST. EASEMENT ± 192 SQFT DEMO EX CURB — REC. NO. 2007047663 AND GUTTER ±14 LF DEMO EX ASPHALT — — SAWCUT ±2,264 SQFT 15' SIDEWALK & SNOW ±416 LF DEMO EX ASPHALT REMOVAL EASEMENT ±724 SQFT REC. NO. 9645526 SOUTH YOSEMITE STREET ±142 LF (ROW VARIES) DEMO EX CURB -AND GUTTER DEMO EX CONCRETE MEDIAN

Know what's below.

Call before you dig.

2

CITY OF LONE TREE APPROVAL

ENGINEERING DIVISION ACCEPTANCE BLOCK

NOTES: ALL DIMENSIONS ARE FROM FLOWLINE UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURE PLANS FOR CANOPY INFORMATION. REFER TO SIGNAGE PACKAGE FOR ALL SITE AND CHICK-FIL-A SIGN DETAILS. ALL CURB ALONG CONCRETE DRIVE THROUGH TO BE MONOLITHICALLY POURED 5) STRIPING ON ASPHALT TO BE WHITE PAINT AND STRIPING ON CONCRETE TO BE (PARCEL A) SITE PLAN DESIGN NOTES & KEY PLAN PARKWAY SUBDIVISION EX CURB FILING NO.3 1 PAVEMENT MARKINGS - 1 3RD AMENDMENT LOT 1A, BLOCK 2  $\left(\begin{array}{c} 1 \\ \text{C9.0} \end{array}\right)$ 1A DIRECTIONAL ARROW \_\_ EX CURB 1B ACCESSIBILITY SYMBOL EX 10' UTILITY EASEMENT BK 1253, PG 690 EX LIGHT POLE 2 PAVEMENT MARKINGS - 2 2A DRIVE-THRU 2B STOP BAR 3 90 DEGREE PARKING STRIPING 4 ACCESSIBLE PARKING SIGN - RULE AND ORDER OF CONDENTEMPORARY CONST. EASEMENT REC. NO. 2007047663 5 CURB RAMP w/ SHORT FLARED SIDES 6 DETECTABLE WARNING DEVICE (C9.1) (C9.1) DO NOT ENTER 7 CONCRETE APRON @ TRASH ENCLOSURE 10.00' 8 DRIVE-THRU ORDER POINT ISLAND 15' SIDEWALK & SNOW REMOVAL EASEMENT 9 DRIVE-THRU CANOPY WIDTH DRAINAGE — REC. NO. 9645526 ACCESSIBLE -10 MEAL-DELIVERY CANOPY ACCESS ROUTE — EX SIDE WALK - EX LIGHT POLE 11 OUTDOOR SEATING 25.00' EX DRAINAGE EASEMENT BUILDING SETBACK 12 DRIVE-THRU CLEARANCE BAR 10 SPACES (9'X18' TYP) \_DRAINAGE REC. NO. 9545667 **ESMT** REC. NO. 9645526 13 CONCRETE SIDEWALK 14 TYPICAL HMAC PAVEMENT SECTION 13 SPACES 18.00'— (9'X17' TYP) 9.00' TYP 15 CONCRETE PAVEMENTS 32 12 SPACES DRIVE THRU DOOR (9'X18' TYP) 16 CONCRETE CURB & GUTTER 17 PEDESTRIAN CROSSING SIGN 18 STOP SIGN / DO NOT ENTER SIGN 7 C9.2 19 CROSS WALK MARKINGS 20 LANDSCAPING 14 14 SPACES 12 SPACES (9'X18' TYP) 140 SEATS INTERIOR (9'X17' TYP) 21 FLAG POLE 12 SEATS EXTERIOR 5 C9.2 22 CONCRETE BOLLARD 23 BIKE RACK - RESOLUTION NO. R-020-116 | REC. |NO. 2020124977 | REC. | NO. 2021|038374 | 24 GAS METER 6 C9.3 25 MENU BOARD LOOP DETECTION SYSTEM (ISO. VIEW) 26 BOLLARD CURB RAMP w/ FLARED SIDES SCREENED REFUSE ENCLOSURE 29 DRIVE-THRU PLAN - FLUSH WITH FFE 30 DRIVE-THRU ISOMETRIC 4" WIDE STRIPES @ 3' O.C., YELLOW REFLECTIVE
PAINT WITH ANTI-SLIP ADHESIVE
NO PARKING DURING SNOW STORM
SNOW STORAGE SPACE RESOLUTION NO. 17-020-1.16-REG. NO. 2020124977 REC. NO. 2021038374 33 TRASH RECEPTACLE ▼ R20.00' — NOL BUILDING SETBACK 4 STATE HIGHWAY C-470 -C-470/SOUTH YOSEMITE x CITY OF LONE TREE APPROVAL C STREET ON-RAMP AGREEMENT EX 30 UTILITY EASEMENT BK 1348, PG 937 BK 1253, PG 690 PERMANENT SLOPE ESMT DEED BK 1364, PG 396 CITY OF LONE TREE O THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND 1" = 20' HOR. DRAINAGE IMPROVEMENTS ONLY. Know what's below.

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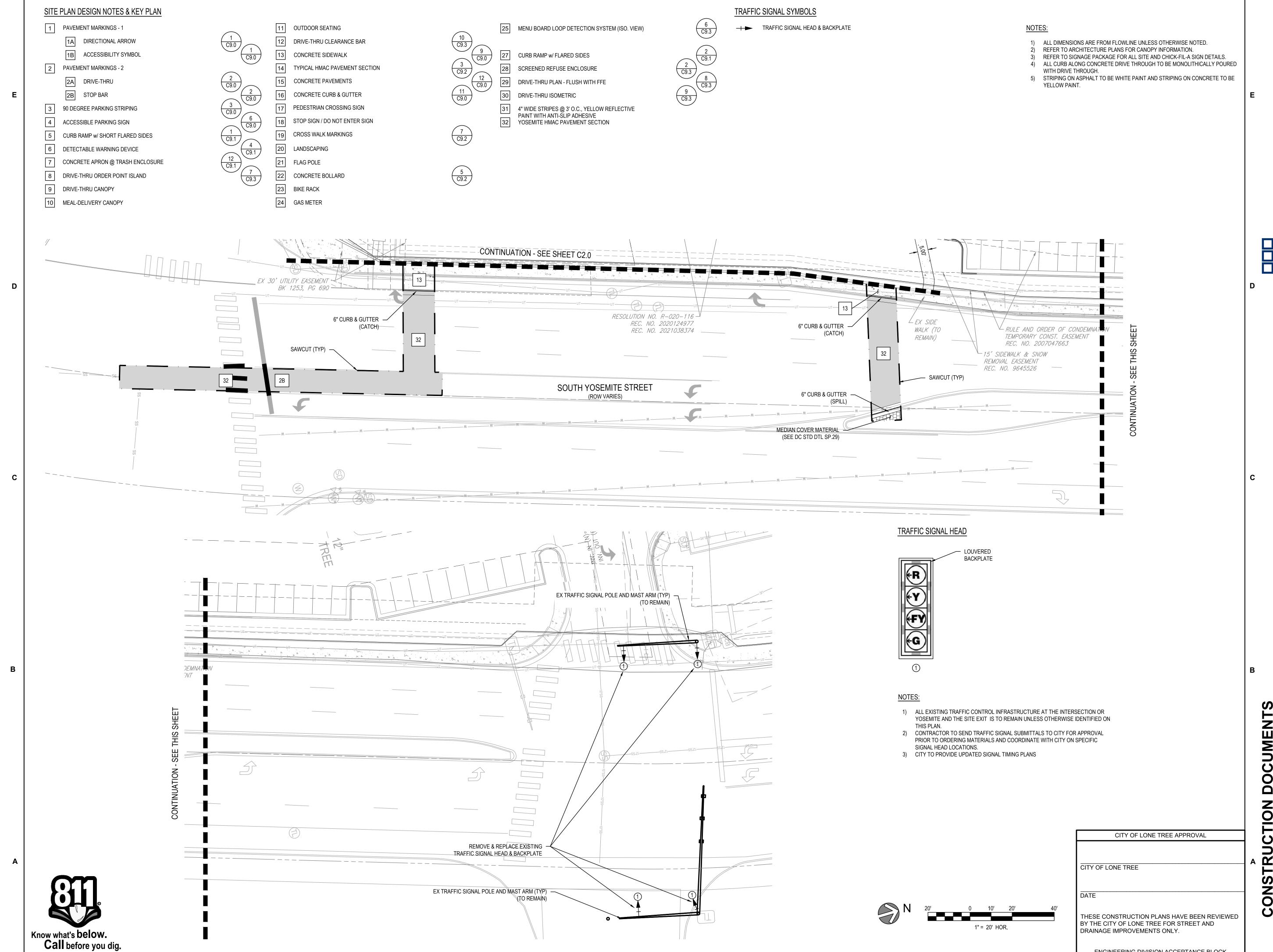
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SITE PLAN

SHEET NUMBER

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SITE PLAN

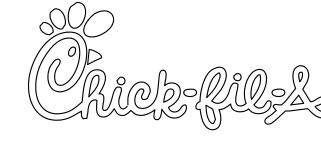
ENGINEERING DIVISION ACCEPTANCE BLOCK

SHEET NUMBER

NOTES: 1. LINE AND CURVE TAGS MEASURE ALONG THE FLOW LINE OR EDGE OF WALK. 2. DIMENSIONS ARE MEASURED FROM FLOW LINE TO FLOW LINE UNLESS OTHERWISE STATED. 3. REFER TO C3.0 - C3.1 FOR LOCATION OF CATCH & SPILL N: 1630016.75 E: 3175497.80 BUILDING CORNER N: 1630006.61 N: 1630005.65 E: 3175601.98 E: 3175658.73 N: 1630019.36 <sup>;24</sup> E: 3175422.01 LIGHT POLE — N: 1630014.27 TIE INTO EX WALK C11-/ L14-/ <sup>\_</sup>L23 N: 1629999.65 ACCESSIBLE BUILDING CORNER LIGHT POLE -RAMP CENTER
LIGHT POLE N: 1630004.97
N: 1629994.52 F: 3175641.89 E: 3175484.38 E: 3175727.17 N: 1630000.88 -PARKING SIGN N: 1630002.14 E: 3175550.75 E: 3175641.89 TIE INTO EX WALK <sup>△</sup> N: 1629990.53 E: 3175603.33 E: 3175635.71 RAMP CENTER N: 1629995.05 E: 3175725.21 E: 3175545.81 SAWCUT N: 1629968.61 CENTER OF COLUMN -N: 1629981.55 - BUILDING SETBACK E: 3175545.21 N: 1629974.66 -ACCESSIBLE E: 3175781.33 E: 3175602.69 PARKING SIGN N: 1629983.33 / A ... N: 1629972.56 / E: 3175720.21 E: 3175544.62 L28*─*√ N: 1629970.29 → ACCESSIBLE E: 3175714.66 RAMP CENTER— . 4 N: 1629954.60 E: 3175543.43 SAWCUT — N: 1629955.00 E: 3175778.04 N: 1629945.62 E: 3175542.84 < 5,380 SQ FT 140 SEATS INTERIOR 12 SEATS EXTERIOR / LIGHT POLE N: 1629899.08 E: 3175422.98 N: 1629911.92 N: 1629896.04 E: 3175476.82 E: 3175544.58 - CENTER OF COLUMN BUILDING CORNER -N: 1629900.61 RAMP CENTER C12 N: 1629873.46 E: 3175495.48 N: 1629865.42 E: 3175625.95 E: 3175594.29 RAMP CENTER N: 1629891.49 E: 3175431.16 LIGHT POLE N: 1629885.55 E: 3175455.36 —BUILDING CORNER N: 1629886.59 N: 1629867.54 E: 3175552.35 E: 3175628.57 CONTINUATION - SEE THIS SHEET RAMP CENTER — N: 1629856.00 N: 1629871.81 E: 3175520.42 N: 1629761.20 \_\_ --N: 1629775.52 \_\_ E: 3175645.09 E: 3175649.59 CLEARANCE ARM # CLEARANCE ARM - N: 1629826.92 E: 3175487.85 N: 1629832.61 N: 1629833.88 E: 3175519.31 /-SAWCUT /--SAWCUT N: 1629618.58 N: 1629761.69 SAWCUT-E: 3175698.92 E: 3175654.85 N: 1629747.37 LIGHT POLE -N: 1629814.05 E: 3175694.45 \_SAWCUT EX MANHOLE E: 3175489.71 N: 1629765.18 MANHOLE — (TO REMAIN) E: 3175699.93 N: 1629753.05 E: 3175701.96 N: 1629626.52 N: 1629801.14 E: 3175663.05 -E: 3175622.94 -SAWCUT SAWCUT-N: 1629615.35 \_N: 1629761.95\_ E: 3175665.37 E: 3175710.45 00 CTION BUILDING SETBACK 4 CITY OF LONE TREE APPROVAL CITY OF LONE TREE CON 1" = 20' HOR. THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY. Know what's below. Call before you dig.

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3



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**HORIZONTAL CONTROL PLAN** 

SHEET NUMBER C3.0

ENGINEERING DIVISION ACCEPTANCE BLOCK

LINE TABLE LINE # BEARING LENGTH START N/E LINE# BEARING LENGTH START N/E END N/E N: 1629982.043 N: 1629968.991 E: 3175725.645 E: 3175720.052 N: 1629772.063 N: 1629757.747

L: 60 S23° 11' 39"W L: 63 S17° 27' 29"W E: 3175661.922 E: 3175657.420 N: 1629747.366 N: 1629761.203 L: 74 N74° 20' 29"W E: 3175694.453 E: 3175645.088 N: 1629775.520 N: 1629761.691 L: 75 S74° 20' 29"E E: 3175649.589 E: 3175698.923 N: 1629762.680 N: 1629792.309 L1 N67° 45' 35"W E: 3175589.468 E: 3175517.009 N: 1629779.873 N: 1629998.397 L2 N3° 46' 51"E E: 3175616.995 | E: 3175631.435 N: 1630004.553 N: 1630007.716 L3 N86° 13' 09"W E: 3175689.925 E: 3175642.073 N: 1629835.622 N: 1629834.209 L4 S3° 46' 51"W N: 1629834.209 N: 1629836.986 L5 N86° 13' 09"W E: 3175564.667 | E: 3175522.633 N: 1629830.323 N: 1629832.327 2.01' L6 N3° 46' 51"E E: 3175517.182 E: 3175517.314 N: 1629801.898 N: 1629815.449 L7 N67° 45' 35"W E: 3175559.612 E: 3175526.472 N: 1629799.290 N: 1629801.898 2.83' L8 N22° 45' 35"W E: 3175560.706 E: 3175559.612 N: 1629796.809 N: 1629799.290 L9 N67° 45' 35"W N: 1629797.903 N: 1629796.809 L10 S67° 14' 25"W 2.83' E: 3175569.381 E: 3175566.772 N: 1630005.034 N: 1629813.377 192.07' L11 S3° 46' 51"W E: 3175606.819 E: 3175594.154

L12 S86° 13' 09"E

L13 N3° 46' 51"E

L14 N86° 13' 09"W

L15 N3° 46' 51"E

L16 S86° 13' 09"E

N: 1630014.832 N: 1630010.353

E: 3175534.385 E: 3175602.160

N: 1630009.174 N: 1630010.172

E: 3175529.001 E: 3175529.066

N: 1630004.994 N: 1630005.983

E: 3175546.764 E: 3175531.796

N: 1629877.273 N: 1630004.994

E: 3175538.324 E: 3175546.764

N: 1629878.262 N: 1629877.273

E: 3175523.356 E: 3175538.324

S40° 22' 25"E

N58° 00' 38"E

S48° 46' 50"W

N55° 33' 09"E

S48° 46' 51"W

S31° 59' 22"E

N58° 00' 38"E

S48° 46' 51"W

S41° 13' 09"E

S48° 46' 51"W

S41° 13' 09"E

S78° 03' 31"E

N49° 16' 00"E

N41° 13' 09"W

N: 1629820.344 N: 1629834.725

E: 3175493.172 E: 3175480.297 N: 1629820.344 N: 1629792.309

E: 3175493.172 E: 3175517.009 N: 1629762.680 N: 1629779.873

E: 3175589.468 E: 3175616.995 N: 1630007.716 N: 1629998.397

E: 3175642.073 E: 3175631.435 N: 1630004.553 N: 1630015.054

E: 3175689.925 E: 3175705.234 N: 1629836.986 N: 1629832.327

E: 3175522.633 E: 3175517.314 N: 1629830.323 N: 1629815.449

E: 3175517.182 E: 3175526.472

E: 3175569.380 E: 3175594.154 N: 1630005.034 N: 1630010.353

E: 3175606.819 E: 3175602.160

E: 3175534.385 E: 3175529.066

E: 3175529.001 E: 3175531.796 N: 1629878.262 N: 1629875.466

E: 3175523.356 E: 3175520.165 N: 1629871.242 N: 1629860.604

E: 3175519.886 E: 3175529.205

E: 3175479.010 E: 3175485.131

E: 3175485.131 E: 3175495.938

E: 3175496.217 E: 3175493.421

E: 3175501.862 E: 3175505.053

N: 1630019.120 N: 1630014.464

CURVE # LENGTH | DELTA | RADIUS | CRD LENGTH | CRD RADIUS | START N/E | END N/E

57° 42' 18" 20.00'

15.71' 90° 00' 02" 10.00' 14.14

20.02' 76° 27' 25" 15.00' 18.56

5.00'

5.00'

25.00'

3.00'

3.00' 4.24

38.24' 54° 46' 21" 40.00'

37.86' 108° 27' 37" 20.00'

18.73' 71° 32' 26" 15.00'

34.07' 108° 27' 34" 18.00'

7.85' 90° 00' 04" 5.00' 7.07

4.71' 90° 00' 00" 3.00' 4.24

15.71' 90° 00' 00" 10.00' 14.14

15.88' 90° 58' 22" 10.00' 14.26

90° 00' 00"

7.85' 90° 00' 00"

7.85' 90° 00' 00"

4.71' 90° 00' 00"

6.27' 14° 22' 35"

C11

C12

C14

C15

Know what's below.

Call before you dig.

Path: Q:\DEN\Projects\1141-00 CFA 470 & Yosemite 5190\CAD\ IZONTAL CONTROL PLAN.dwg Last Saved By: AIDAN.FEEHAN

LINE#	BEARING	LENGTH	START N/E	END N/E
L17	N3° 46' 51"E	4.23'	N: 1629871.242 E: 3175519.886	N: 1629875.466 E: 3175520.165
L18	N86° 13' 09"W	37.13'	N: 1629858.156 E: 3175566.250	N: 1629860.604 E: 3175529.205
L19	N3° 46' 51"E	0.92'	N: 1629857.242 E: 3175566.189	N: 1629858.156 E: 3175566.250
L20	S3° 46' 51"W	4.23'	N: 1629877.049 E: 3175496.217	N: 1629872.827 E: 3175495.938
L21	S86° 13' 09"E	13.00'	N: 1629881.097 E: 3175480.450	N: 1629880.240 E: 3175493.421
L22	S3° 47' 01"W	92.12'	N: 1630008.821 E: 3175488.854	N: 1629916.897 E: 3175482.775
L23	N86° 13' 09"W	13.04'	N: 1630007.961 E: 3175501.862	N: 1630008.821 E: 3175488.854
L24	S3° 46' 51"W	1.00'	N: 1630011.755 E: 3175505.119	N: 1630010.757 E: 3175505.053
L25	S86° 13' 09"E	31.03'	N: 1630019.120 E: 3175469.499	N: 1630017.074 E: 3175500.459
L26	N3° 49' 45"E	1.00'	N: 1630013.465 E: 3175464.114	N: 1630014.464 E: 3175464.181
L27	N86° 13' 09"W	13.00'	N: 1630009.414 E: 3175479.879	N: 1630010.271 E: 3175466.910
L28	N3° 49' 15"E	92.35'	N: 1629917.274 E: 3175473.725	N: 1630009.414 E: 3175479.879
L29	N3° 49' 45"E	1.00'	N: 1630017.421 E: 3175404.245	N: 1630018.421 E: 3175404.312
L30	S86° 13' 09"E	26.00'	N: 1630023.076 E: 3175409.630	N: 1630021.361 E: 3175435.573
L31	S3° 49' 45"W	1.00'	N: 1630016.038 E: 3175440.233	N: 1630015.042 E: 3175440.166
L32	N86° 13' 09"W	30.00'	N: 1630012.249 E: 3175436.975	N: 1630014.227 E: 3175407.040
L33	S86° 13' 09"E	26.00'	N: 1630047.022 E: 3175411.241	N: 1630045.307 E: 3175437.185
L34	S3° 49' 45"W	4.00'	N: 1630056.334 E: 3175406.849	N: 1630052.345 E: 3175406.582
L35	N86° 13' 09"W	30.00'	N: 1630057.149 E: 3175439.975	N: 1630059.127 E: 3175410.040
L36	N3° 49' 45"E	4.00'	N: 1630049.962 E: 3175442.503	N: 1630053.955 E: 3175442.770
	L17  L18  L19  L20  L21  L22  L23  L24  L25  L26  L27  L28  L29  L30  L31  L32  L33  L34  L35	L17 N3° 46' 51"E  L18 N86° 13' 09"W  L19 N3° 46' 51"E  L20 S3° 46' 51"W  L21 S86° 13' 09"E  L22 S3° 47' 01"W  L23 N86° 13' 09"W  L24 S3° 46' 51"W  L25 S86° 13' 09"E  L26 N3° 49' 45"E  L27 N86° 13' 09"W  L28 N3° 49' 15"E  L29 N3° 49' 45"E  L30 S86° 13' 09"E  L31 S3° 49' 45"W  L32 N86° 13' 09"E  L31 S3° 49' 45"W  L32 N86° 13' 09"W  L33 S86° 13' 09"W  L34 S3° 49' 45"W  L35 N86° 13' 09"W	L17       N3° 46' 51"E       4.23'         L18       N86° 13' 09"W       37.13'         L19       N3° 46' 51"E       0.92'         L20       S3° 46' 51"W       4.23'         L21       S86° 13' 09"E       13.00'         L22       S3° 47' 01"W       92.12'         L23       N86° 13' 09"W       13.04'         L24       S3° 46' 51"W       1.00'         L25       S86° 13' 09"E       31.03'         L26       N3° 49' 45"E       1.00'         L27       N86° 13' 09"W       13.00'         L28       N3° 49' 45"E       1.00'         L29       N3° 49' 45"E       1.00'         L30       S86° 13' 09"E       26.00'         L31       S3° 49' 45"W       1.00'         L32       N86° 13' 09"W       30.00'         L33       S86° 13' 09"E       26.00'         L34       S3° 49' 45"W       4.00'         L35       N86° 13' 09"W       30.00'	L17         N3° 46' 51"E         4.23'         N: 1629871.242 E: 3175519.886           L18         N86° 13' 09"W         37.13'         N: 1629858.156 E: 3175566.250           L19         N3° 46' 51"E         0.92'         N: 1629857.242 E: 3175566.189           L20         S3° 46' 51"W         4.23'         N: 1629877.049 E: 3175496.217           L21         S86° 13' 09"E         13.00'         N: 1629881.097 E: 3175480.450           L22         S3° 47' 01"W         92.12'         N: 1630008.821 E: 3175488.854           L23         N86° 13' 09"W         13.04'         N: 1630007.961 E: 3175501.862           L24         S3° 46' 51"W         1.00'         N: 1630011.755 E: 3175505.119           L25         S86° 13' 09"E         31.03'         N: 1630019.120 E: 3175469.499           L26         N3° 49' 45"E         1.00'         N: 1630019.405 E: 3175464.114           L27         N86° 13' 09"W         13.00'         N: 1630009.414 E: 3175479.879           L28         N3° 49' 45"E         92.35'         N: 1629917.274 E: 3175404.245           L30         S86° 13' 09"E         26.00'         N: 1630016.038 E: 3175409.630           L31         S3° 49' 45"W         1.00'         N: 1630012.249 E: 3175406.849           L33         S86° 13' 09"W         <

LINE TABLE

LINE#	BEARING	LENGTH	START N/E	END N/E
L37	S86° 13' 09"E	12.99'	N: 1630055.171 E: 3175469.910	N: 1630054.314 E: 3175482.874
L38	N3° 49' 45"E	4.00'	N: 1630048.388 E: 3175466.452	N: 1630052.378 E: 3175466.719
L39	N86° 13' 09"W	31.00'	N: 1630041.021 E: 3175502.042	N: 1630043.065 E: 3175471.111
L40	S3° 46' 54"W	4.00'	N: 1630049.672 E: 3175507.625	N: 1630045.681 E: 3175507.361
L41	S86° 13' 09"E	13.03'	N: 1630053.723 E: 3175491.824	N: 1630052.863 E: 3175504.829
L42	N3° 46' 54"E	4.00'	N: 1630044.098 E: 3175531.308	N: 1630048.090 E: 3175531.572
L43	N86° 13' 09"W	26.00'	N: 1630037.065 E: 3175561.911	N: 1630038.779 E: 3175535.968
L44	S3° 46' 54"W	4.00'	N: 1630045.716 E: 3175567.494	N: 1630041.724 E: 3175567.230
L45	S86° 13' 09"E	30.00'	N: 1630050.885 E: 3175534.764	N: 1630048.907 E: 3175564.698
L46	N86° 13' 09"W	15.00'	N: 1630046.072 E: 3175607.604	N: 1630047.061 E: 3175592.637
L47	S3° 46' 54"W	4.00'	N: 1630044.265 E: 3175589.446	N: 1630040.274 E: 3175589.182
L48	S86° 13' 09"E	33.05'	N: 1630034.955 E: 3175593.842	N: 1630032.776 E: 3175626.816
L49	N3° 34' 37"E	3.99'	N: 1630037.453 E: 3175632.136	N: 1630041.438 E: 3175632.385
L50	N86° 13' 09"W	13.06'	N: 1630044.619 E: 3175629.589	N: 1630045.480 E: 3175616.557
L51	S3° 34' 37"W	18.25'	N: 1630063.696 E: 3175617.696	N: 1630045.480 E: 3175616.557
L52	S3° 34' 37"W	18.46'	N: 1630060.074 E: 3175675.632	N: 1630041.652 E: 3175674.481
L53	S86° 13' 09"E	14.99'	N: 1630042.641 E: 3175659.524	N: 1630041.652 E: 3175674.481
L54	N3° 34' 37"E	4.01'	N: 1630035.835 E: 3175656.082	N: 1630039.835 E: 3175656.332
L55	N86° 13' 09"W	17.59'	N: 1630029.374 E: 3175678.295	N: 1630030.534 E: 3175660.743
L56	N15° 50' 05"E	1.92'	N: 1630032.887 E: 3175683.402	N: 1630034.738 E: 3175683.927
.E				

LINE TABLE

LINE TABLE								
LINE#	BEARING	LENGTH	START N/E	END N/E				
L68	N2° 49' 45"E	10.87'	N: 1629888.703 E: 3175432.009	N: 1629899.557 E: 3175432.546				
L71	N3° 07' 41"E	17.29'	N: 1629903.768 E: 3175413.573	N: 1629921.031 E: 3175414.517				
L73	S3° 46' 51"W	7.95'	N: 1629919.133 E: 3175397.750	N: 1629911.198 E: 3175397.225				
L76	N48° 23' 07"E	5.60'	N: 1629874.003 E: 3175364.189	N: 1629877.722 E: 3175368.376				
L77	S41° 09' 13"E	106.04'	N: 1629953.848 E: 3175294.404	N: 1629874.003 E: 3175364.189				
L78	N48° 50' 47"E	7.82'	N: 1629948.699 E: 3175288.512	N: 1629953.848 E: 3175294.404				
L80	N86° 13' 09"W	13.61'	N: 1629921.031 E: 3175414.517	N: 1629921.929 E: 3175400.941				
L81	N86° 13' 09"W	16.21'	N: 1629902.699 E: 3175429.747	N: 1629903.768 E: 3175413.573				
L83	S86° 13' 09"E	86.51'	N: 1630002.774 E: 3175633.436	N: 1629997.070 E: 3175719.761				
L85	S66° 55' 48"E	4.15'	N: 1629996.681 E: 3175721.391	N: 1629995.054 E: 3175725.209				

## NOTES:

- 1. LINE AND CURVE TAGS MEASURE ALONG THE FLOW LINE OR EDGE OF WALK.
- 2. DIMENSIONS ARE MEASURED FROM FLOW LINE TO FLOW LINE UNLESS OTHERWISE STATED.





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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

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NO. DATE DESCRIPTION

CONSULTANT PR	ROJECT#	65121141
PRINTED FOR	FOR CO	NSTRUCTION

**HORIZONTAL CONTROL TABLES** 

3 2

4.71' 90° 00' 00" 3.00' 4.24 N48° 46' 51"E 7.85' 90° 00' 00" 5.00' N41° 13' 09"W E: 3175505.119 E: 3175500.459 7.85' 89° 57' 05" 5.00' 7.07 S48° 48' 18"W C19 E: 3175469.499 E: 3175464.181 N: 1630013.465 N: 1630010.271 E: 3175464.114 E: 3175466.910 3.00' 4.24 4.71' 90° 02' 55"

4

CURVE TABLE							
CURVE#	LENGTH	DELTA	RADIUS	CRD LENGTH	CRD RADIUS	START N/E	END N/E
C21	4.71'	90° 02' 55"	3.00'	4.24	S41° 11' 42"E	N: 1630017.421 E: 3175404.245	N: 1630014.22 E: 3175407.04
C22	7.85'	89° 57' 05"	5.00'	7.07	S48° 48' 18"W	N: 1630023.076 E: 3175409.630	N: 1630018.42 E: 3175404.312
C23	7.86'	90° 02' 55"	5.00'	7.07	N41° 11' 42"W	N: 1630016.038 E: 3175440.233	N: 1630021.36 E: 3175435.573
C24	4.71'	89° 57' 05"	3.00'	4.24	N48° 48' 18"E	N: 1630012.249 E: 3175436.975	N: 1630015.04 E: 3175440.16
C25	7.86'	90° 02' 55"	5.00'	7.07	S41° 11' 42"E	N: 1630052.345 E: 3175406.582	N: 1630047.02 E: 3175411.24
C26	4.71'	89° 57' 05"	3.00'	4.24	S48° 48' 18"W	N: 1630059.127 E: 3175410.040	N: 1630056.33 E: 3175406.84
C27	4.71'	90° 02' 55"	3.00'	4.24	N41° 11' 42"W	N: 1630053.955 E: 3175442.770	N: 1630057.14 E: 3175439.97
C28	7.85'	89° 57' 05"	5.00'	7.07	N48° 48' 18"E	N: 1630045.307 E: 3175437.185	N: 1630049.96 E: 3175442.50
C29	4.71'	89° 57' 05"	3.00'	4.24	S48° 48' 18"W	N: 1630055.171 E: 3175469.910	N: 1630052.37 E: 3175466.71
C30	7.86'	90° 02' 55"	5.00'	7.07	S41° 11' 42"E	N: 1630048.388 E: 3175466.452	N: 1630043.06 E: 3175471.11
C31	7.85'	89° 59' 57"	5.00'	7.07	N48° 46' 52"E	N: 1630041.021 E: 3175502.042	N: 1630045.68 E: 3175507.36
C32	4.71'	90° 00' 03"	3.00'	4.24	N41° 13' 08"W	N: 1630049.672 E: 3175507.625	N: 1630052.86 E: 3175504.82
C33	4.71'	89° 59' 57"	3.00'	4.24	S48° 46' 52"W	N: 1630050.885 E: 3175534.764	N: 1630048.09 E: 3175531.57
C34	7.85'	90° 00' 03"	5.00'	7.07	S41° 13' 08"E	N: 1630044.098 E: 3175531.308	N: 1630038.77 E: 3175535.96
C35	7.85'	89° 59' 57"	5.00'	7.07	N48° 46' 52"E	N: 1630037.065 E: 3175561.911	N: 1630041.72 E: 3175567.23
C36	4.71'	90° 00' 03"	3.00'	4.24	N41° 13' 08"W	N: 1630045.716 E: 3175567.494	N: 1630048.90 E: 3175564.69
C37	4.71'	89° 59' 57"	3.00'	4.24	S48° 46' 52"W	N: 1630047.061 E: 3175592.637	N: 1630044.26 E: 3175589.44
C38	7.85'	90° 00' 03"	5.00'	7.07	S41° 13' 08"E	N: 1630040.274 E: 3175589.182	N: 1630034.95 E: 3175593.84
C39	7.87'	90° 12' 13"	5.00'	7.08	N48° 40' 44"E	N: 1630032.776 E: 3175626.816	N: 1630037.45 E: 3175632.13
C40	4.70'	89° 47' 47"	3.00'	4.24	N41° 19' 16"W	N: 1630041.438 E: 3175632.385	N: 1630044.61 E: 3175629.58

CURVE TABLE							
CURVE#	LENGTH	DELTA	RADIUS	CRD LENGTH	CRD RADIUS	START N/E	END N/E
C41	4.72'	90° 12' 13"	3.00'	4.25	S48° 40' 44"W	N: 1630042.641 E: 3175659.524	N: 1630039.835 E: 3175656.332
C42	7.84'	89° 47' 47"	5.00'	7.06	S41° 19' 16"E	N: 1630035.835 E: 3175656.082	N: 1630030.534 E: 3175660.743
C43	6.67'	76° 27' 22"	5.00'	6.19	N55° 33' 09"E	N: 1630029.374 E: 3175678.295	N: 1630032.874 E: 3175683.398
C167	4.71'	90° 00' 00"	3.00'	4.24	S48° 46' 51"W	N: 1629921.929 E: 3175400.941	N: 1629919.133 E: 3175397.750
C168	4.66'	89° 02' 55"	3.00'	4.21	N41° 41' 42"W	N: 1629899.557 E: 3175432.546	N: 1629902.699 E: 3175429.747
C169	1.68'	19° 17' 21"	5.00'	1.68	S76° 34' 29"E	N: 1629997.070 E: 3175719.761	N: 1629996.681 E: 3175721.391

CITY OF LONE TREE APPROVAL

CITY OF LONE TREE

THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY.

ENGINEERING DIVISION ACCEPTANCE BLOCK



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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

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<u>DATE</u> <u>DESCRIPTION</u>

CONSULTANT PROJECT # 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23

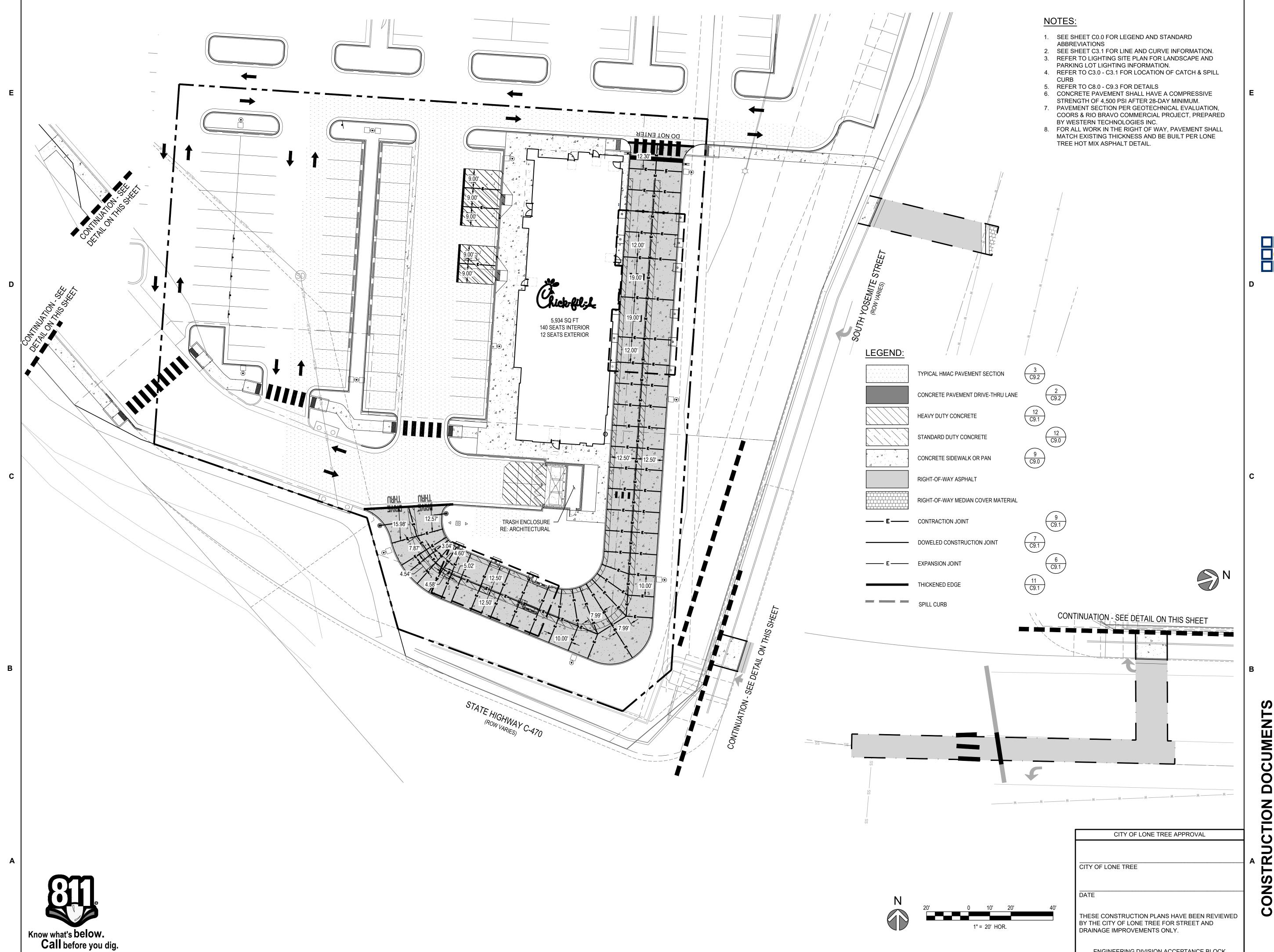
**SIGNING AND STRIPING PLAN** 

SHEET NUMBER

9 OF 24

ENGINEERING DIVISION ACCEPTANCE BLOCK

2



3



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FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

NO. DATE DESCRIPTION

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**PAVING AND JOINTING PLAN** 

SHEET NUMBER C5.0

ENGINEERING DIVISION ACCEPTANCE BLOCK

LEGEND: PROPERTY LINE WATER METER IRRIGATION METER GREASE INTERCEPTOR SINGLE CLEANOUT TWO-WAY CLEANOUT EX CURB TRANSFORMER STORM INLET \_\_ EX CURB STORM MANHOLE EX 10' UTILITY EASEMENT BK 1253, PG 690 EX LIGHT POLE SANITARY SEWER GAS SERVICE ELECTRIC SERVICE - RULE AND ORDER OF CONDEMNATION TEMPORARY CONST. EASEMENT TELEPHONE SERVICE REC. NO. 2007047663 TRIPLE TYPE 16 STORM SEWER - EX SIDE WALK EX STORM MANHOLE FIRE DEPARTMENT EX SANITARY MANHOLE 15' SIDEWALK & SNOW ➤ 6" HDPE 45° BEND REMOVAL EASEMENT EX STORM INLET REC. NO. 9645526 2" WATER METER VARIABLE WIDTH -DRAINAGE -2" TYPE K COPPER 6" 11.25° BEND / DRAINAGE ESMT WATER SERVICE EX UNDERGROUND ELECTRIC 6" DIP FIRE EX GAS SERVICE SERVICE LINE EX DRAINAGE EASEMENT A . EX WATER LINE REC. NO. 9545667 24" HDPE — REC. NO. 9645526 EX SANITARY SEWER /\_ FUTURE 10.00' \_/ ✓ 6" MJ GATE UTIL ESMT 2 1/2" GAS — EX COMMUNICATION SERVICE // VALVE (TYP) 8" TO 6" REDUCER EX 36" RCP = VAP ( REFER TO DENVER WATER (TO REMAIN) EX 10' UTILITY EASEMENT EX TREE MMPROVEMENT PLANS FOR ALL PROPOSED WATER CONNECT 8" FIRE EX IRRIGATION VALVE FACILITY DETAILS TO EX 12" WATER MAIN W/ 6" HDPE CANOPY ROOF CONNECTION  $\otimes$   $\stackrel{\mathsf{W}}{\bowtie}$   $\otimes$ TAPPING SLEEVE EX WATER VALVE CONNECT TO EX 4' SD MH EX TELEPHONE BOX EX 24" DI WATER MAIN -- EX UNDERGROUND EX ELECTRIC BOX 5,934 SQ FT 140 SEATS INTERIOR EX STORM SEWER EX 12" CA WATER MAIN -12 SEATS EXTERIOR → BUILDING SETBACK # RESOLUTION NO. R-020-116 REC. NO. 2020124977 REC. NO. 2021038374 RESOLUTION NO. R-020-116 -REC. NO. 2020124977 REC. NO. 2021038374 - LIGHT POLE (TYP) (SEE PHOTOMETRIC PLAN) SAN SERVICE CONNECTION GAS METER -SAN SERVICE → CURB INLET CONNECTION  ${}^{ extstyle }$ TELECOM LINE EX 30" RCP — (TO REMAIN) 6" SDR-35 TRASH -ENCLOSURE SERVICE 6" 90° BEND -CONNECT TO -EX 15' TYPE R CURB INLET ±62.20 LF CONTINUATION - SEE PLAN 320 GAL SOI -2½ GAS SERVICE ↓ COORDINATE WITH LOCAL CLEAN OUT (TYP) 6" HDPE CANOPY -ROOF CONNECTION ELEC AUTHORITY <sup>1</sup>/<sub>4</sub>" WATER — △ 1500 GAL GREASE TO CANOPY INTERCEPTOR EX SS MH -H SERVICE (TYP) (REFER TO SANITARY SEWER IMPROVEMENTS PLANS) (TO REMAIN) CONTRACTOR TO BORE UNDER EXISTING RTNG WALL AND PROTECT IN PLACE EX 8" PVC SANITARY -MAIN (TO REMAIN) 4' SS MH -C-470/SOUTH YOSEMITE STREET ON-RAMP AGREEMENT BK 1348, PG 937
PERMANENT SLOPE ESMT DEED
BK 1364, PG 396 NOL BUILDING SETBACK · CITY OF LONE TREE APPROVAL C -*EX 30' UTILITY EASEMENT* BK 1253, PG 690 8" SDR-35 SAN CITY OF LONE TREE CON THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND 1" = 20' HOR. DRAINAGE IMPROVEMENTS ONLY. Know what's below. Call before you dig. CONTINUATION - SEE DÉTAIL ON THIS SHEET



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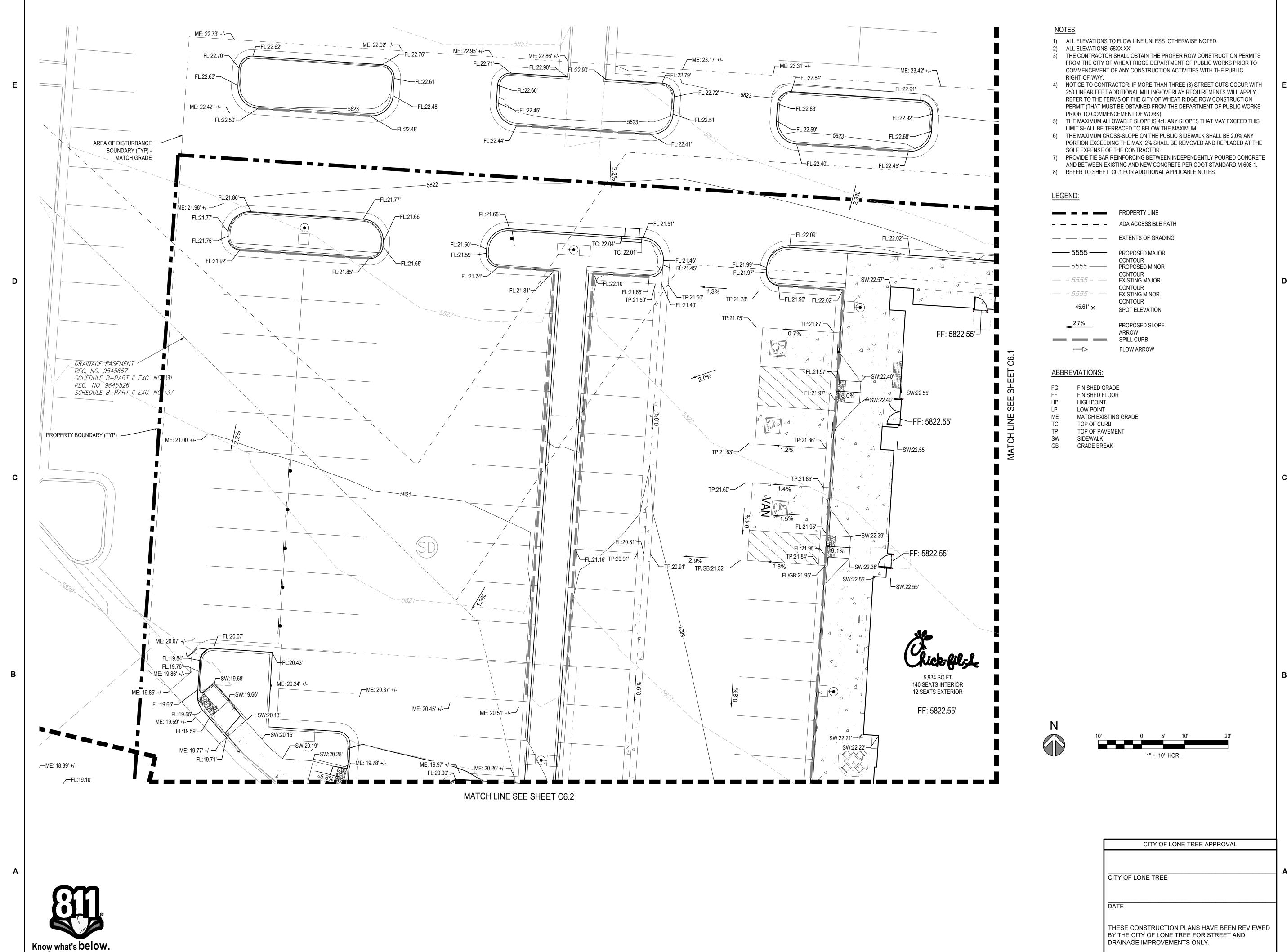
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**UTILITY PLAN** 

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PS1.0



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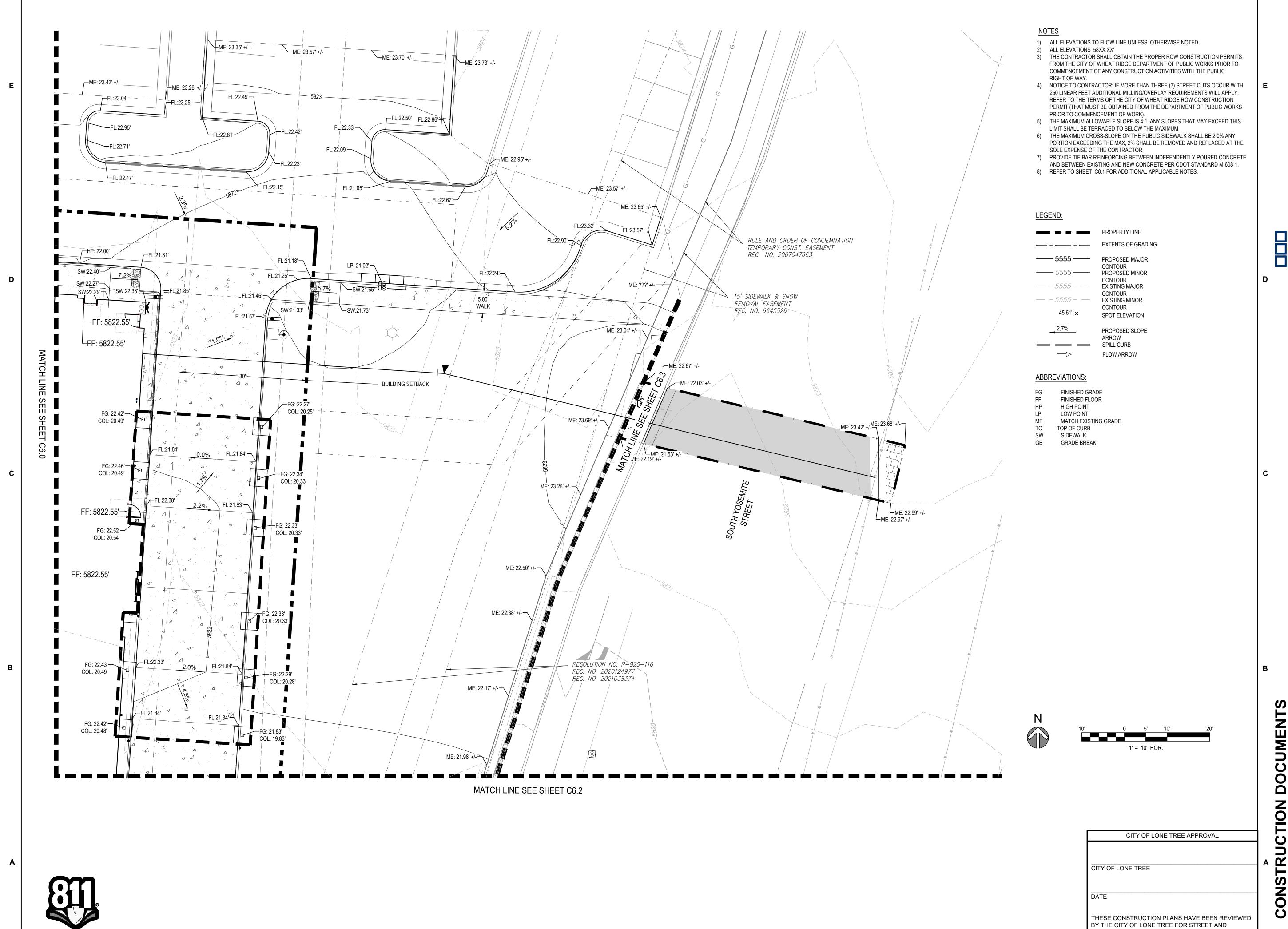
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**DETAIL GRADING** 

SHEET NUMBER

C6.0



3

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**DETAIL GRADING** 

DRAINAGE IMPROVEMENTS ONLY.

ENGINEERING DIVISION ACCEPTANCE BLOCK

SHEET NUMBER C6.1

MATCH LINE SEE SHEET C6.0 MATCH LINE SEE SHEET C6.1 FL:19.78'— —FL:20.44' TP:20.32'— \_\_\_\_FL:20.25'— FF: 5822.55' ME: 19.57' +/--TP:21.00'—\ /--SW:22.10' 3.2% \_SW:20.49' SW:20.28'-RESOLUTION NO. R-020-116 REC. NO. 2020124977 REC. NO. 2021038374 SW:20.52' 18.87' FL:21.06'---FF: 5822.55' SW:21.59' \\_SW:21.75' FL:21.05'----ME: 20.13' +/-FL/GB:21.11'— ME: 19.72' +/-FL:19.76'— ME: 19.85' +/-FL:19.67'— FL/GB:21.37' ME: 19.96' +/-2.9% PAD: 5821.96' FL:19.94' FL:21.60' FL:19.83'-FL:19.85'-ME: 19.78' +/-0 > SW:21.91'-SW:21.81' ME: 20.95' +/-— ME: 19.99' +/-ME: 19.62' +/-MÉ: 20.61' +/-ME: 18.14' +/-ME: 20.31' +/--ິ F́L:19.92'— C-470/SOUTH YOSEMITE STREET ON-RAMP AGREEMENT BK 1348, PG 937 BUILDING SETBACK -C-470/SOUTH YOSEMITE STREET ON-RAMP AGREEMENT BK 1348, PG 937
PERMANENT SLOPE ESMT DEED
BK 1364, PG 396 00 LEGEND: ABBREVIATIONS: NOL 1) ALL ELEVATIONS TO FLOW LINE UNLESS OTHERWISE NOTED. 2) ALL ELEVATIONS 58XX.XX' FINISHED GRADE 1" = 10' HOR. 3) THE CONTRACTOR SHALL OBTAIN THE PROPER ROW CONSTRUCTION PERMITS FINISHED FLOOR **\_\_\_\_ - \_\_\_ EXTENTS OF GRADING** FROM THE CITY OF WHEAT RIDGE DEPARTMENT OF PUBLIC WORKS PRIOR TO HIGH POINT COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES WITH THE PUBLIC LOW POINT CITY OF LONE TREE APPROVAL PROPOSED MAJOR RIGHT-OF-WAY. C MATCH EXISTING GRADE CONTOUR 4) NOTICE TO CONTRACTOR: IF MORE THAN THREE (3) STREET CUTS OCCUR WITH TOP OF CURB PROPOSED MINOR 250 LINEAR FEET ADDITIONAL MILLING/OVERLAY REQUIREMENTS WILL APPLY. SW SIDEWALK CONTOUR REFER TO THE TERMS OF THE CITY OF WHEAT RIDGE ROW CONSTRUCTION GRADE BREAK — *- 5555 - —* EXISTING MAJOR PERMIT (THAT MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS CITY OF LONE TREE CONTOUR PRIOR TO COMMENCEMENT OF WORK). — *- 5555 - —* **EXISTING MINOR** 5) THE MAXIMUM ALLOWABLE SLOPE IS 4:1. ANY SLOPES THAT MAY EXCEED THIS CONTOUR LIMIT SHALL BE TERRACED TO BELOW THE MAXIMUM. CON SPOT ELEVATION 6) THE MAXIMUM CROSS-SLOPE ON THE PUBLIC SIDEWALK SHALL BE 2.0% ANY PORTION EXCEEDING THE MAX, 2% SHALL BE REMOVED AND REPLACED AT THE PROPOSED SLOPE SOLE EXPENSE OF THE CONTRACTOR. ARROW 7) PROVIDE TIE BAR REINFORCING BETWEEN INDEPENDENTLY POURED CONCRETE THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED SPILL CURB AND BETWEEN EXISTING AND NEW CONCRETE PER CDOT STANDARD M-608-1. BY THE CITY OF LONE TREE FOR STREET AND 8) REFER TO SHEET C0.1 FOR ADDITIONAL APPLICABLE NOTES. FLOW ARROW DRAINAGE IMPROVEMENTS ONLY. Know what's below. Call before you dig. ENGINEERING DIVISION ACCEPTANCE BLOCK

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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

**REVISION SCHEDULE** 

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23

**DETAIL GRADING** 

SHEET NUMBER

<u>NOTES</u> 1) ALL ELEVATIONS TO FLOW LINE UNLESS OTHERWISE NOTED. 2) ALL ELEVATIONS 58XX.XX' 3) THE CONTRACTOR SHALL OBTAIN THE PROPER ROW CONSTRUCTION PERMITS FROM THE CITY OF WHEAT RIDGE DEPARTMENT OF PUBLIC WORKS PRIOR TO MATCH LINE SEE SHEET C6.2 COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES WITH THE PUBLIC RIGHT-OF-WAY. 4) NOTICE TO CONTRACTOR: IF MORE THAN THREE (3) STREET CUTS OCCUR WITH ME: 20.31' +/-250 LINEAR FEET ADDITIONAL MILLING/OVERLAY REQUIREMENTS WILL APPLY. ME: 20.61' +/-REFER TO THE TERMS OF THE CITY OF WHEAT RIDGE ROW CONSTRUCTION PERMIT (THAT MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS PRIOR TO COMMENCEMENT OF WORK). 5) THE MAXIMUM ALLOWABLE SLOPE IS 4:1. ANY SLOPES THAT MAY EXCEED THIS ─ME: 15.98' +/-LIMIT SHALL BE TERRACED TO BELOW THE MAXIMUM. 6) THE MAXIMUM CROSS-SLOPE ON THE PUBLIC SIDEWALK SHALL BE 2.0% ANY PORTION EXCEEDING THE MAX, 2% SHALL BE REMOVED AND REPLACED AT THE SOLE EXPENSE OF THE CONTRACTOR. 7) PROVIDE TIE BAR REINFORCING BETWEEN INDEPENDENTLY POURED CONCRETE AND BETWEEN EXISTING AND NEW CONCRETE PER CDOT STANDARD M-608-1. 8) REFER TO SHEET C0.1 FOR ADDITIONAL APPLICABLE NOTES. ME: 14.93' +/-─ME: 15.58' +/-LEGEND: — – — EXTENTS OF GRADING SOUTH YOSEMITE STREET —— 5555 —— PROPOSED MAJOR (ROW VARIES) CONTOUR CONTOUR — - 5555 - — EXISTING MAJOR CONTOUR EXISTING MINOR — *- 5555* - — CONTOUR 45.61' × ME: 13.00' +/-SPOT ELEVATION /--ME: 14.00' +/-/+ME: 15.95' +/-ME: 16.09' +/-PROPOSED SLOPE ARROW SPILL CURB FLOW ARROW ABBREVIATIONS: ME: 13.00' +/-ME: 14.00' +/-ME: 15.00' +/--ME: 16.16' +/-FINISHED GRADE FINISHED FLOOR HIGH POINT LOW POINT MATCH EXISTING GRADE TOP OF CURB SIDEWALK GRADE BREAK **N** N SOUTH YOSEMITE DETAIL ME SW:19.96' +/-ME: 22.67' +/-ME: 23.68' +/--MATCH LINE SEE SHEET C6.0 DOCU CTION └─ME: 22.99' +/-└─ME: 22.97' +/-CITY OF LONE TREE APPROVA CITY OF LONE TREE CONST NORTH YOSEMITE DETAIL THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY. WEST PEDESTRIAN CONNECTION DETAIL Know what's **below**. **Call** before you dig.

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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 65121141

PRINTED FOR FOR CONSTRUCTION 09/22/23

**DETAIL GRADING** 

SHEET NUMBER

ENGINEERING DIVISION ACCEPTANCE BLOCK

C6.3

SUMMARY RUNOFF TABLE (cfs) 5-YR Peak 100-YR Peak Runoff 7/LOT 1A-1 0.7 0.19 90% 1.5 0.3 A2 3.0 B1 0.92 6.5 0.1 0.2 C1 0.03 90% 0.0 0.4 4.8 9.4 OS1 3.9 8.1 15.9 0.1 0.4 0.2 OS5 0.0 0.3 2% RESOLUTION NO. R-020-116 0.7 OS7 0.17 2% 0.1 REC. NO. 2020124977 REC. NO. 2021038374 19.2 38.7 Total to EX Pond 1-5 5.56 90% Total to Off-Site 7-8 0.40 2% 0.2 AREA OF DISTURBANCE - RULE AND ORDER OF CONDEMNATION TEMPORARY CONST. EASEMENT REC. NO. 2007047663 VARIABLE WIDTH - 15' SIDEWALK & SNOW REMOVAL EASEMENT REC. NO. 9645526 DRAINAGE ESMT LEGEND: PROPERTY BOUNDARY EX DRAINAGE EASEMENT PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR 25.00' DRAINAGE ESMT ----- - *5555* - ----EXISTING MAJOR CONTOUR BLOCK 2 ---- - *5555* - ----EXISTING MINOR CONTOUR 6" PVC ROOF
DRAIN CONNECTION 5,934 SQ FT DRAINAGE BASIN BOUNDARY 140 SEATS INTERIOR 12 SEATS EXTERIOR DESIGN POINT EX CONTOURS IN THIS AREA PROPOSED FLOW ARROWS DO NOT REFLECT THE DOUGLAS COUNTY C470 TRAIL OVER YOSEMITE EXISTING FLOW ARROWS IMPROVEMENTS - DRAINAGE PATTERNS NOW CONVEY FLOWS TO A LOW POINT LOCATED AT DESIGN STORM SEWER STORM INLET STORM MANHOLE EX SANITARY MANHOLE EX STORM MANHOLE 6" PVC ROOF -DRAIN CONNECTION EX STORM SERVICE EX STORM INLET C-470/SOUTH YOSEMITE -STREET ON-RAMP AGREEMENT BK 1348, PG 937 PERMANENT SLOPE ESMT DEED PROPOSED BASIN: BK 1364, PG 396 - BASIN IDENTIFICATION - BASIN C5 VALUE DOCU BASIN C100 VALUE - BASIN AREA (ACRES) NOL CITY OF LONE TREE APPROVAL C CITY OF LONE TREE CON THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND Know what's below.

Call before you dig. DRAINAGE IMPROVEMENTS ONLY. 1" = 20' HOR.

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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

CONSULTANT PROJECT # 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23

NO. DATE DESCRIPTION

**DRAINAGE MAP** 

ENGINEERING DIVISION ACCEPTANCE BLOCK

[A2] TYPE 16 INLET — STA: 10+95.23 [A3] TRIPLE TYPE 16 INLET NOTES: N:1630017.25 STA: 12+57.50 E: 3175497.80 / N:1630007.36 25.00' DRAINAGE ESMT E: 3175658.78 RULE AND ORDER OF CONDEMNATION CONTRACTOR TO FIELD VERIFY VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. PROPERTY BOUNDARY TEMPORARY CONST. EASEMENT /\_\_TBC:5821.48' TBC:5822.04 REC. NO. 2007047663 161.5 L.F. 18" HDPE @ 0.50% 2. ALL STATIONING IS ALONG CENTERLINE OF PIPE. 4.9 L.F. 6" HDPE @ 6.79% \_ VARIABLÊ WIDTH 3. PIPE LENGTHS ARE TO CENTER OF STRUCTURE TO CENTER OF 15' SIDEWALK & SNOW -\frac{1}{CO} - 45° BEND \_\_// -N: 1630002.46 // REMOVAL EASEMENT REC. NO. 9645526 DRAINAGE ESMT FUTURE 10.00' UTIL ESMT - 42.8 L.F. 6" HDPE @ 1.22% 4. MANHOLE NORTHINGS & EASTINGS ARE TO CENTER OF STRUCTURE. E: 3175658.46 / 2" TYPE K COPPER WATER SERVICE \_2" WATER LINE SERVICE X-ING/ 6" DIP FIRE SERVICE -STA:12+45.51 6" WATER LINE SERVICE X-ING EX DRAINAGE EASEMENT STA:12+41.52 CO - 45° BEND ውN: 1629974.25 -EX 36" RCP — E: 3175626.26 (TO REMAIN) X O (TO REMAIN-RIM TO BE ADJUSTED) - BUILDING SETBACK (SEE NOTE #6) / N: 1629945.36 E: 3175450.32 77.8 L.F. 6" HDPE @ 1.25% 5,380 SQ FT 140 SEATS INTERIOR - EX UNDERGROUND RESOLUTION NO. R-020-116 ELECTRIC (TO REMAIN) REC. NO. 2020124977 REC. NO. 2021038374 12 SEATS EXTERIOR EX 10' TYPE R INLET 1" = 20' HOR. (TO REMAIN) 1" = 4' VERT. RESOLUTION NO. R-020-116 REC. NO. 2020124977 REC. NO. 2021038374 ─N: 1629896.58 −66.5 L.F. 6" HDPE @ 2.00% 1 <sup>J</sup>•E: 3175621.13 CONNECT TO EX N: 1629848.51 -10' TYPE R INLET N: 1629870.81 CONNECT TO SOI 28.4 L.F. 6" HDPE @ 2.00%

N: 1629848.16

F: 3175535.98

CONNECT TO TRASH E: 3175468.21 E: 3175535.98 ENCLOSURE DRAIN 90° BEND -N: 1629842.10 E: 3175471.22 N: 1629845.80 4.0 L.F. 6" HDPE @ 2.00% 45.1 L.F. 6" HDPE @ 1.00% = UTILITY X-ING 320 GAL SOI — CONNECT TO SOI EX 10' TYPE R INLET └N: 1629847.70 2½" GAS SERVICE (TYP) CONNECT TO EX / 10' TYPE R INLET\_ N: 1629838.34 E: 3175469.92 110.6 L.F. 6" HDPE @ 2.00%-5835 EG @ PIPE CENTERLINE 5825 100YR HGL NOL 86.2 L.F. 24" HDPE @ 0.50% CITY OF LONE TREE APPROVA CITY OF LONE TREE CONS EX 36" RCP (TO REMAIN) THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY. Know what's **below**. **Call** before you dig. 10+00 10+50 12+50 11+00 11+50 12+00



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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

NO. DATE DESCRIPTION

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STORM PLAN &

**PROFILE** 

ENGINEERING DIVISION ACCEPTANCE BLOCK

17 OF 24

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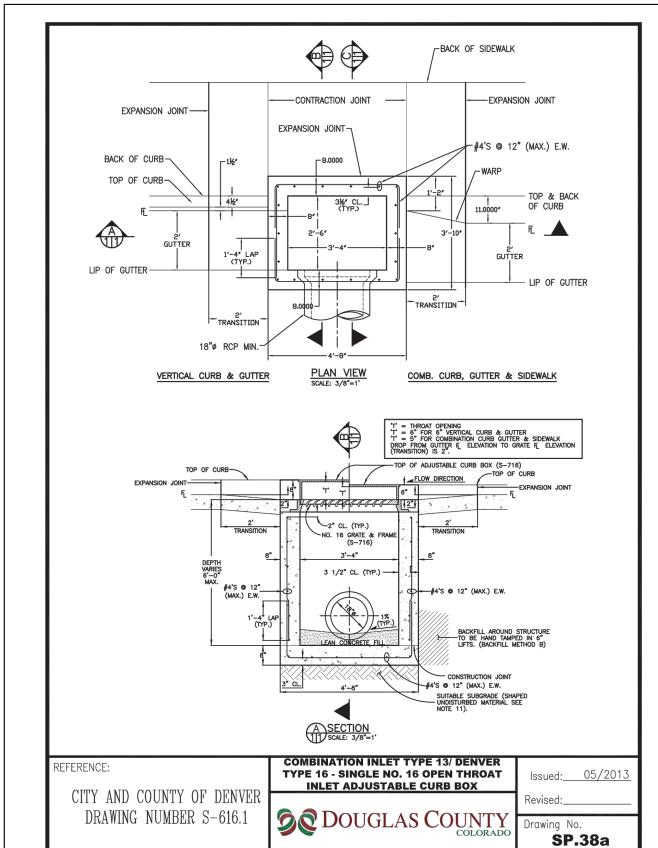
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4



LIP OF GUTTER

8" (TYP.)

3 1/2" CL.

B SECTION & GUTTER

| SCALE: 1/4" = 1'

TOP OF CURB (ADD FISH LOGO PER S-616.1)

NO. 16 GRATE & FRAME

<u>OPTIONAL</u>

CONNECTOR PIPE

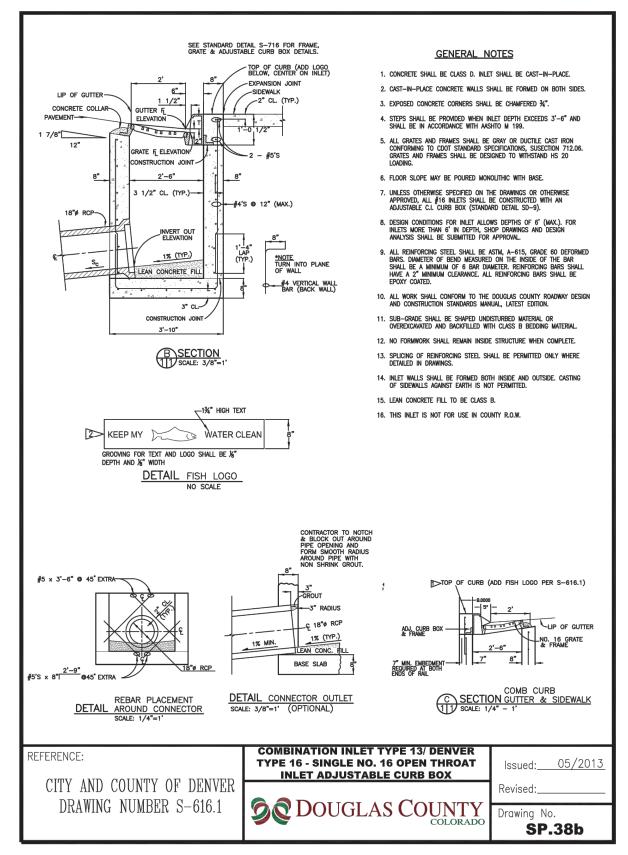
DETAILEND TREATMENT (TYP.)

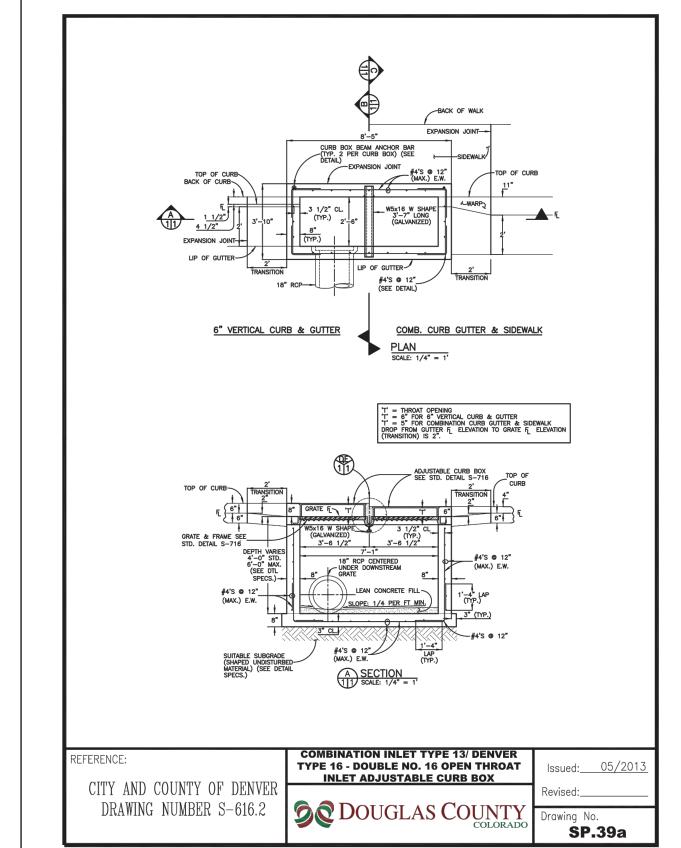
SCALE: 1/4" = 1"

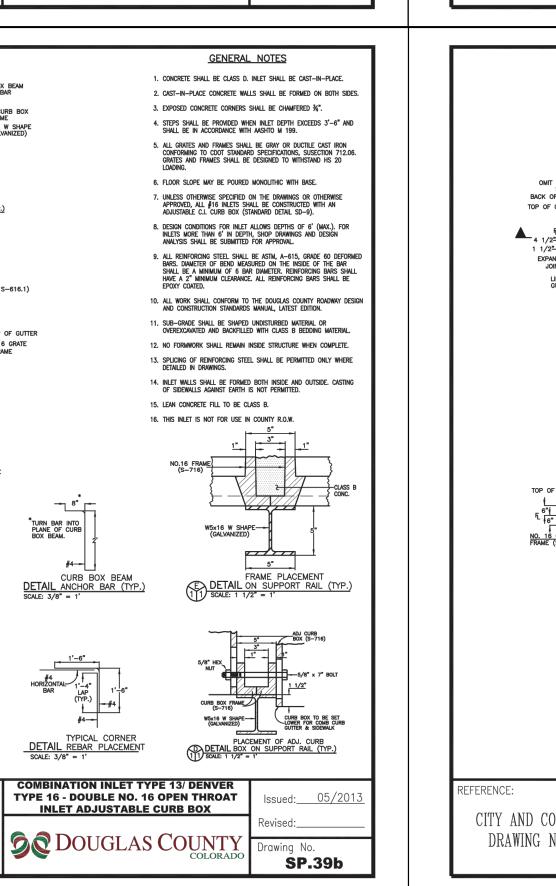
2 - #5 x 2' - 9" @ 45°

CITY AND COUNTY OF DENVE

DRAWING NUMBER S-616.2







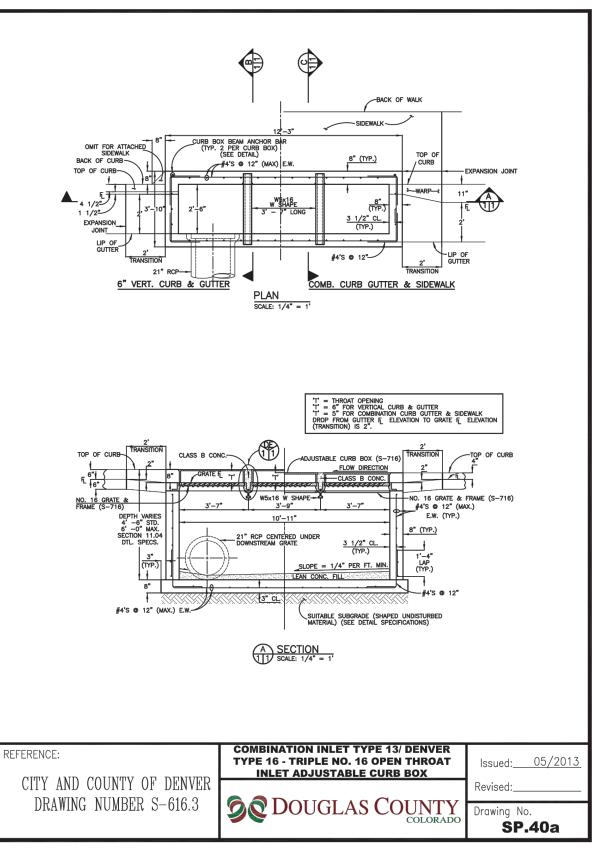
GENERAL NOTES

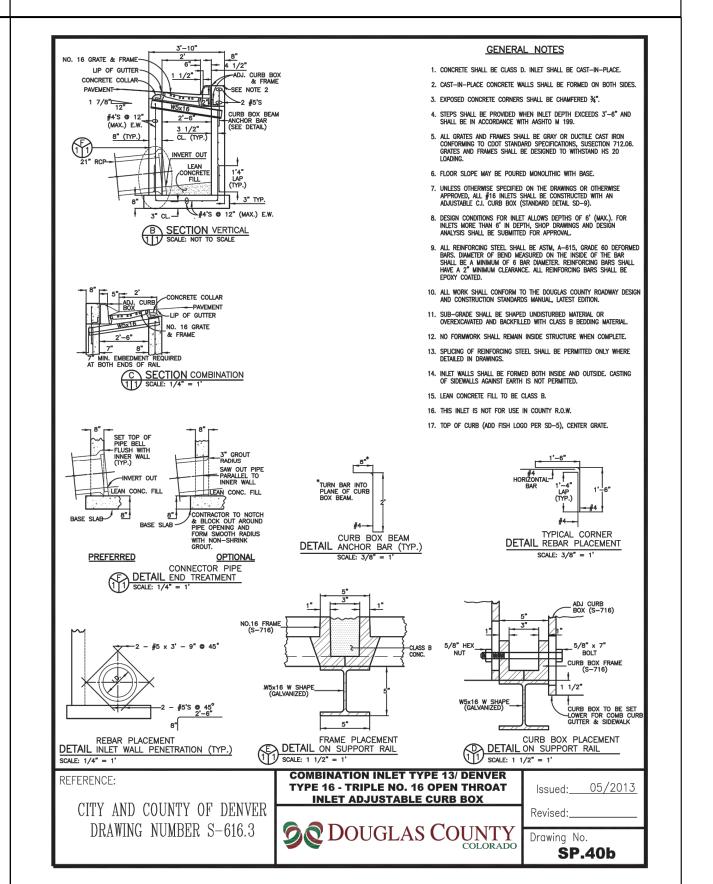
15. LEAN CONCRETE FILL TO BE CLASS B.

**COMBINATION INLET TYPE 13/ DENVER** 

TYPE 16 - DOUBLE NO. 16 OPEN THROAT

INLET ADJUSTABLE CURB BOX







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

2998



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

**REVISION SCHEDULE** NO. DATE DESCRIPTION

CONSULTANT PROJECT # 65121141 PRINTED FOR CONSTRUCTION 09/22/23 KEA

**DETAILS** 

SHEET NUMBER

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\*CLEAR SEAT OPENING 23 1/8" (23"\*) FIG. NO. 16 INLET GRATE & FRAME COMBINATION INLET TYPE 13/ DENVER TYPE 16 - NO. 16 INLET GRATE & FRAME AND ADJUSTABLE CURB BOX EFERENCE: CITY AND COUNTY OF DENVER **DOUGLAS COUNTY** DRAWING NUMBER S-716 SP.42a

NO. 16 VANE GRATE (SEE STD. DETAIL S-716)

REFERENCE:

CITY AND COUNTY OF DENVER

DRAWING NUMBER S-616V

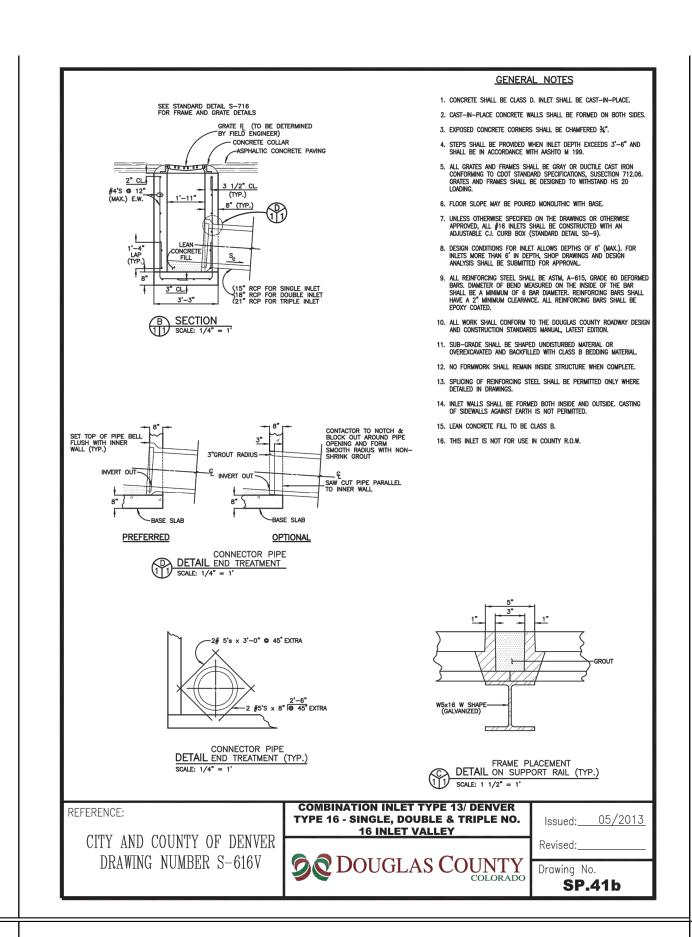
COMBINATION INLET TYPE 13/ DENVER

16 INLET VALLEY

**DOUGLAS COUNTY** 

SP.41a

TYPE 16 - SINGLE, DOUBLE & TRIPLE NO.



EFERENCE:

CITY AND COUNTY OF DENVER

DRAWING NUMBER S-716

GENERAL NOTES 1. CONCRETE SHALL BE CLASS D. INLET SHALL BE CAST—IN—PLACE. 2. CAST-IN-PLACE CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES. 3. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED ¾". STEPS SHALL BE PROVIDED WHEN INLET DEPTH EXCEEDS 3'-6" AND SHALL BE IN ACCORDANCE WITH AASHTO M 199. ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO CDOT STANDARD SPECIFICATIONS, SUSECTION 712.0 GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING.

6. FLOOR SLOPE MAY BE POURED MONOLITHIC WITH BASE.

7. UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS OR OTHERWISE APPROVED, ALL #16 INLETS SHALL BE CONSTRUCTED WITH AN ADJUSTABLE C.I. CURB BOX (STANDARD DETAIL SD-9).

 ALL WORK SHALL CONFORM TO THE DOUGLAS COUNTY ROADWAY DESIGNAND CONSTRUCTION STANDARDS MANUAL, LATEST EDITION. SUB-GRADE SHALL BE SHAPED UNDISTURBED MATERIAL OR OVEREXCAVATED AND BACKFILLED WITH CLASS B BEDDING MATERIAL.

12. NO FORMWORK SHALL REMAIN INSIDE STRUCTURE WHEN COMPLETE. 13. SPLICING OF REINFORCING STEEL SHALL BE PERMITTED ONLY WHERE DETAILED IN DRAWINGS. INLET WALLS SHALL BE FORMED BOTH INSIDE AND OUTSIDE. CASTING OF SIDEWALLS AGAINST EARTH IS NOT PERMITTED.

ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06. GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LIDADIUS.

B SECTION
SCALE: 3/4"=1'

Drawing No.
SP.42b

FIG. ADJUSTABLE CURB BOX
2 MINIMUM CURB OPENING AREA = 150in<sup>2</sup>

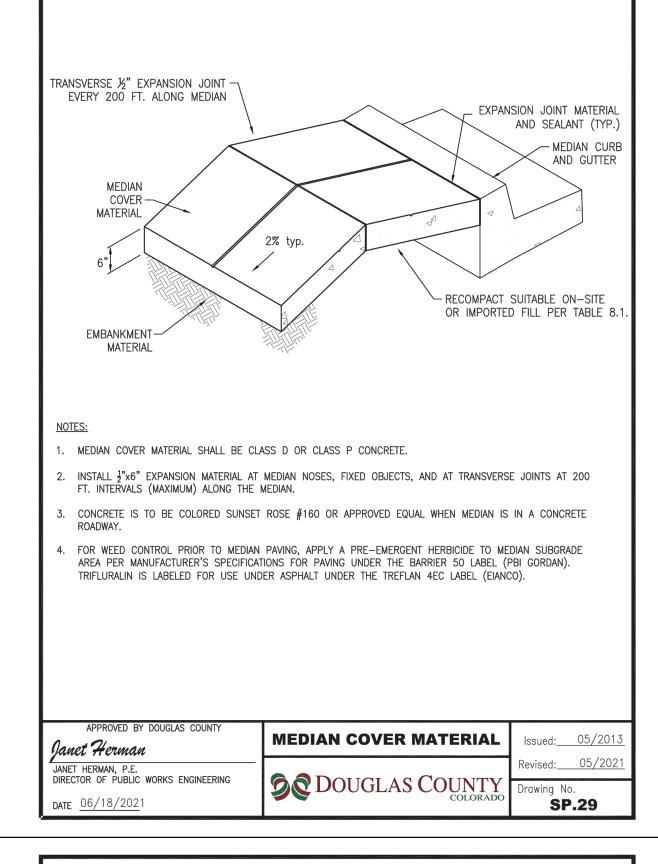
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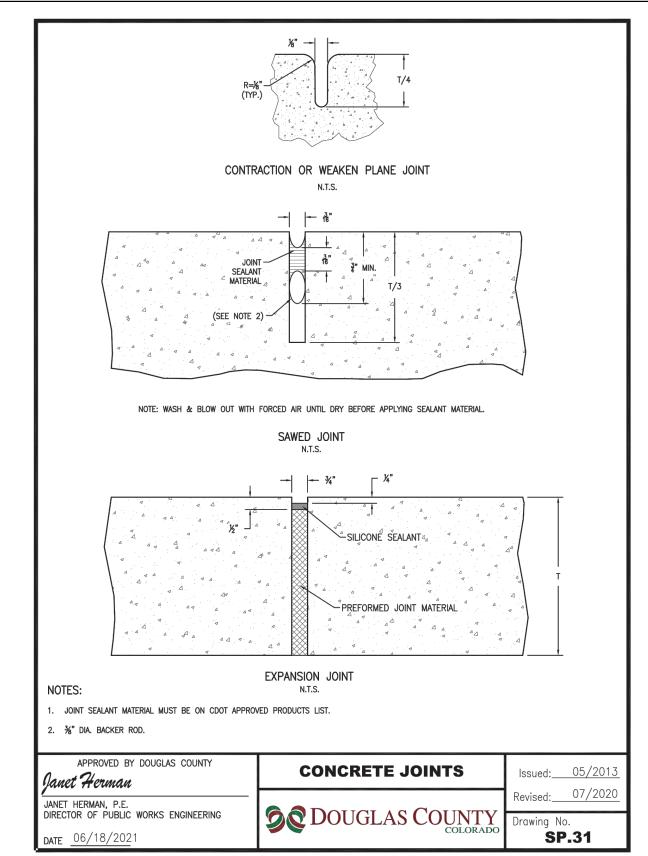
TYPE 16 - NO. 16 INLET GRATE & FRAME

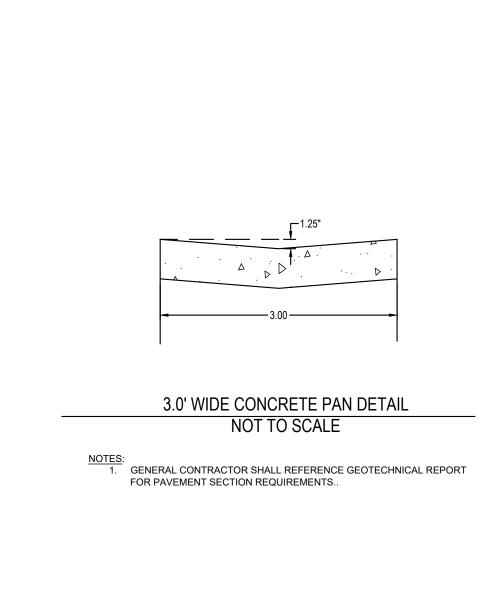
AND ADJUSTABLE CURB BOX

**DOUGLAS COUNTY** 

15. LEAN CONCRETE FILL TO BE CLASS B. 16. THIS INLET IS NOT FOR USE IN COUNTY R.O.W.







Know what's below. Call before you dig.

CITY OF LONE TREE APPROVAL CITY OF LONE TREE THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY. ENGINEERING DIVISION ACCEPTANCE BLOCK

Chick-fil-A

**5200 Buffington Road** Atlanta, Georgia 30349-2998



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

**REVISION SCHEDULE** NO. DATE DESCRIPTION

CONSULTANT PROJECT# 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23 KEA

**DETAILS** 

SHEET NUMBER

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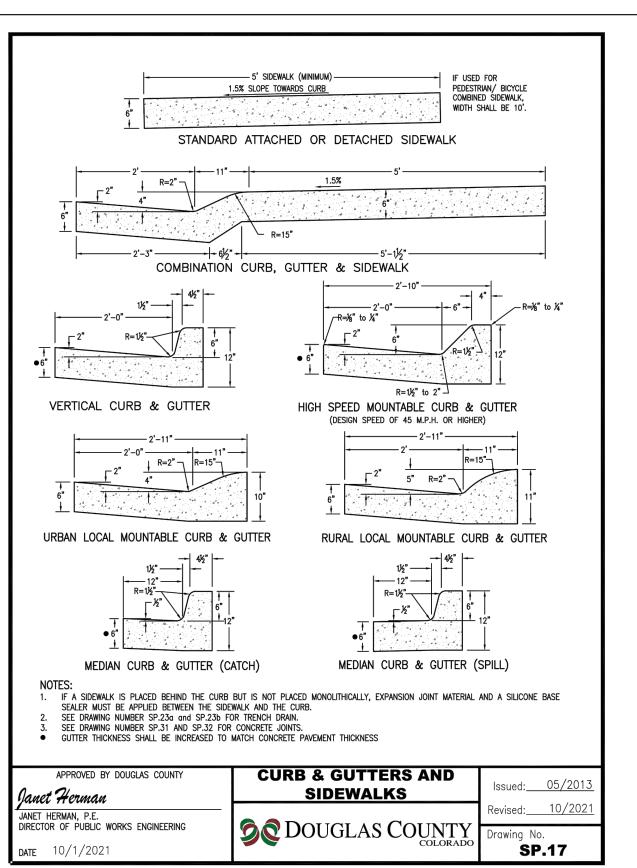
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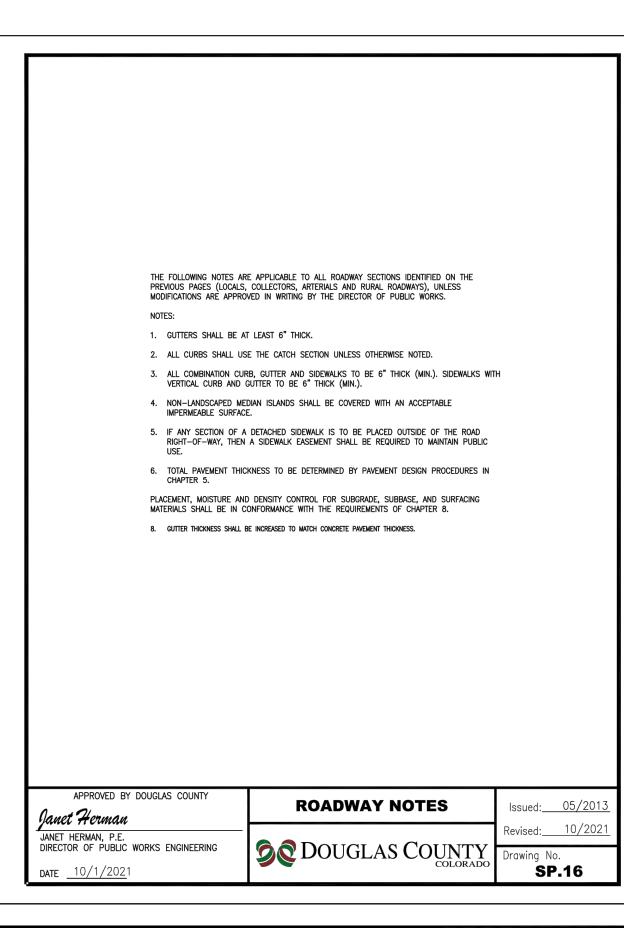
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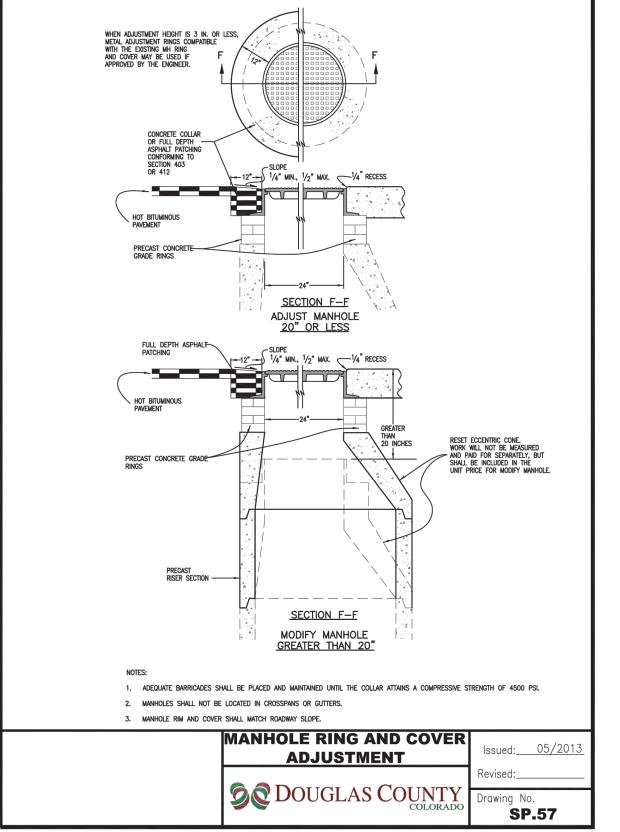
19 OF 24

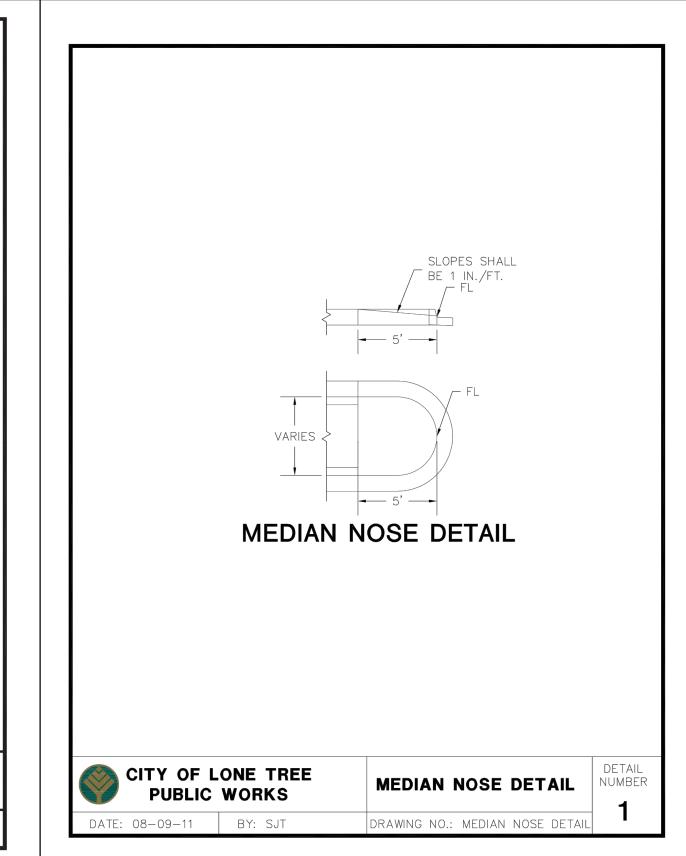
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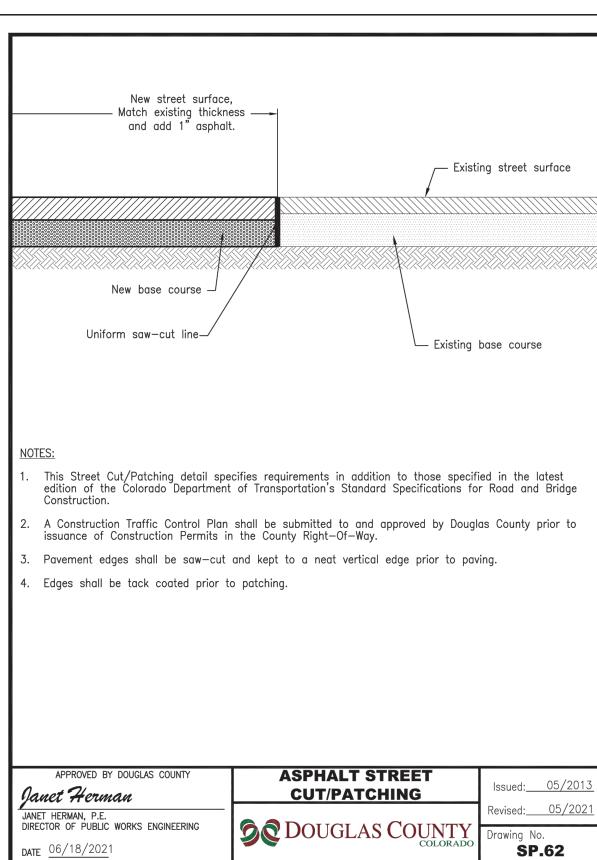
Call before you dig.

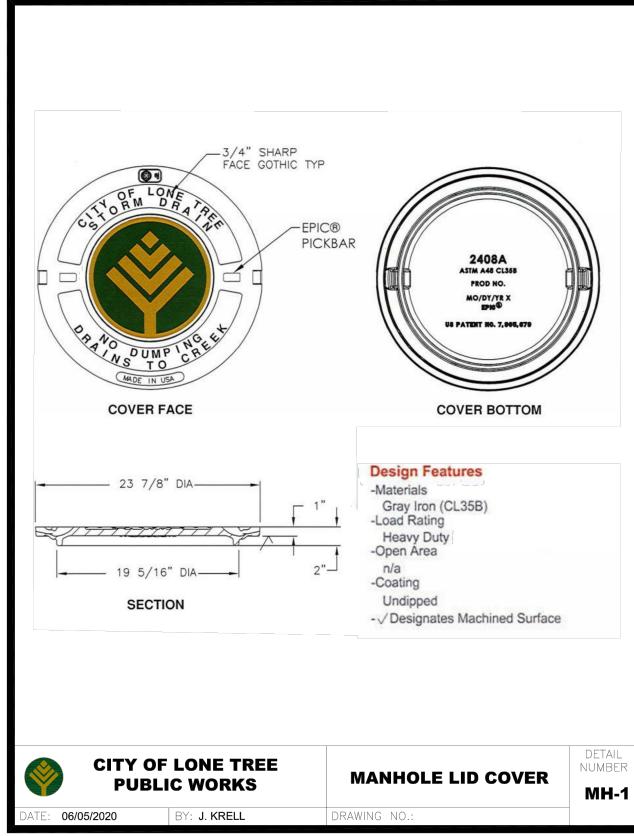


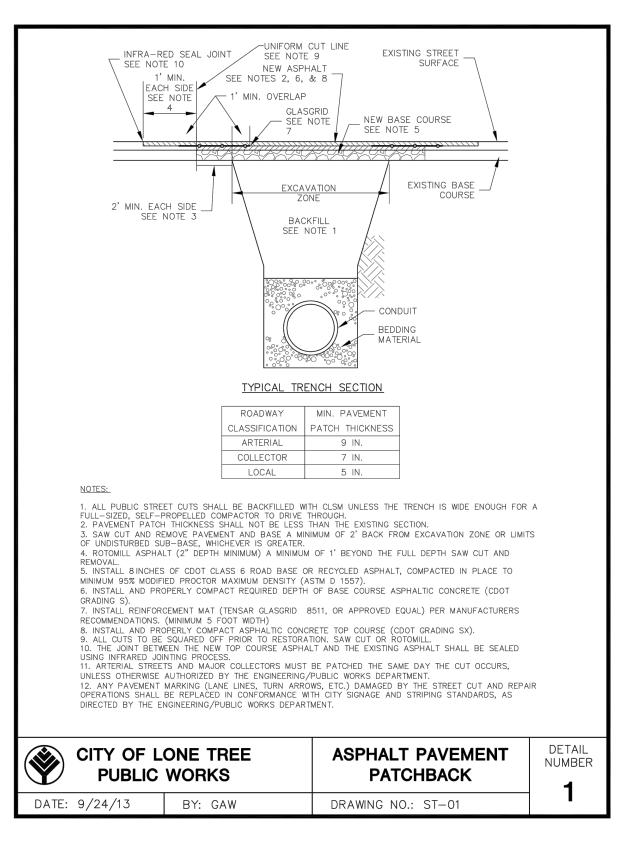


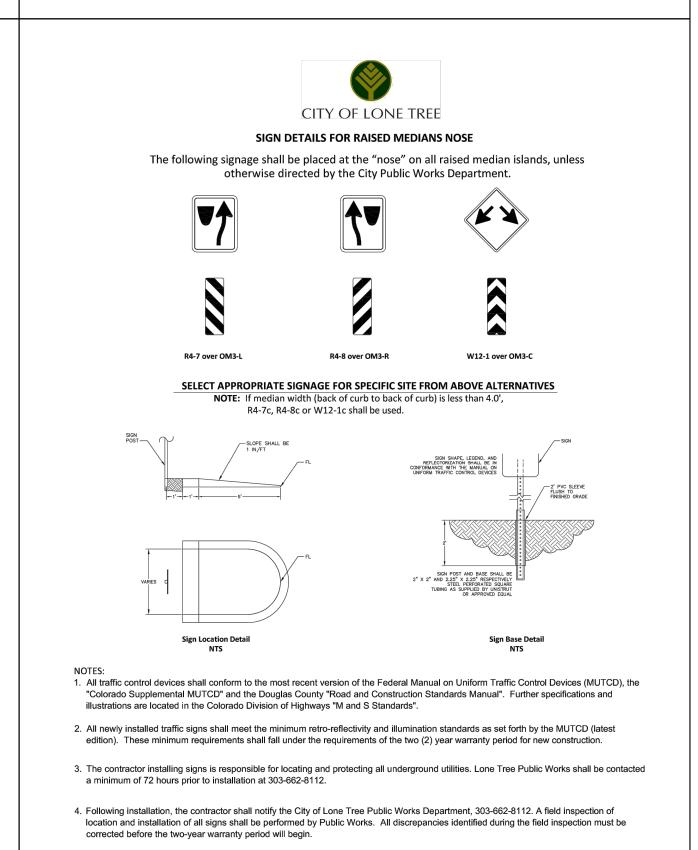












CITY OF LONE TREE APPROVAL CITY OF LONE TREE Z THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR STREET AND DRAINAGE IMPROVEMENTS ONLY. ENGINEERING DIVISION ACCEPTANCE BLOCK

Chick-fil-A **5200 Buffington Road** 

Atlanta, Georgia 30349-

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FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

**REVISION SCHEDULE** 

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NO. DATE DESCRIPTION

CONSULTANT PROJECT # 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23 KEA

**DETAILS** 

SHEET NUMBER

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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

<u>DATE</u> <u>DESCRIPTION</u>

CONSULTANT PROJECT # 65121141 PRINTED FOR CONSTRUCTION 09/22/23

**CFA STANDARD DETAILS** 

21 OF 24

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ENGINEERING DIVISION ACCEPTANCE BLOCK

THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED

BY THE CITY OF LONE TREE FOR STREET AND

DRAINAGE IMPROVEMENTS ONLY.



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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

**REVISION SCHEDULE** 

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NO. DATE DESCRIPTION

CONSULTANT PROJECT # 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23 KEA

**CFA STANDARD DETAILS** 

22 OF 24

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Know what's below.

Call before you dig.

4000 PSI COMPRESSIVE STRENGTH CONCRETE

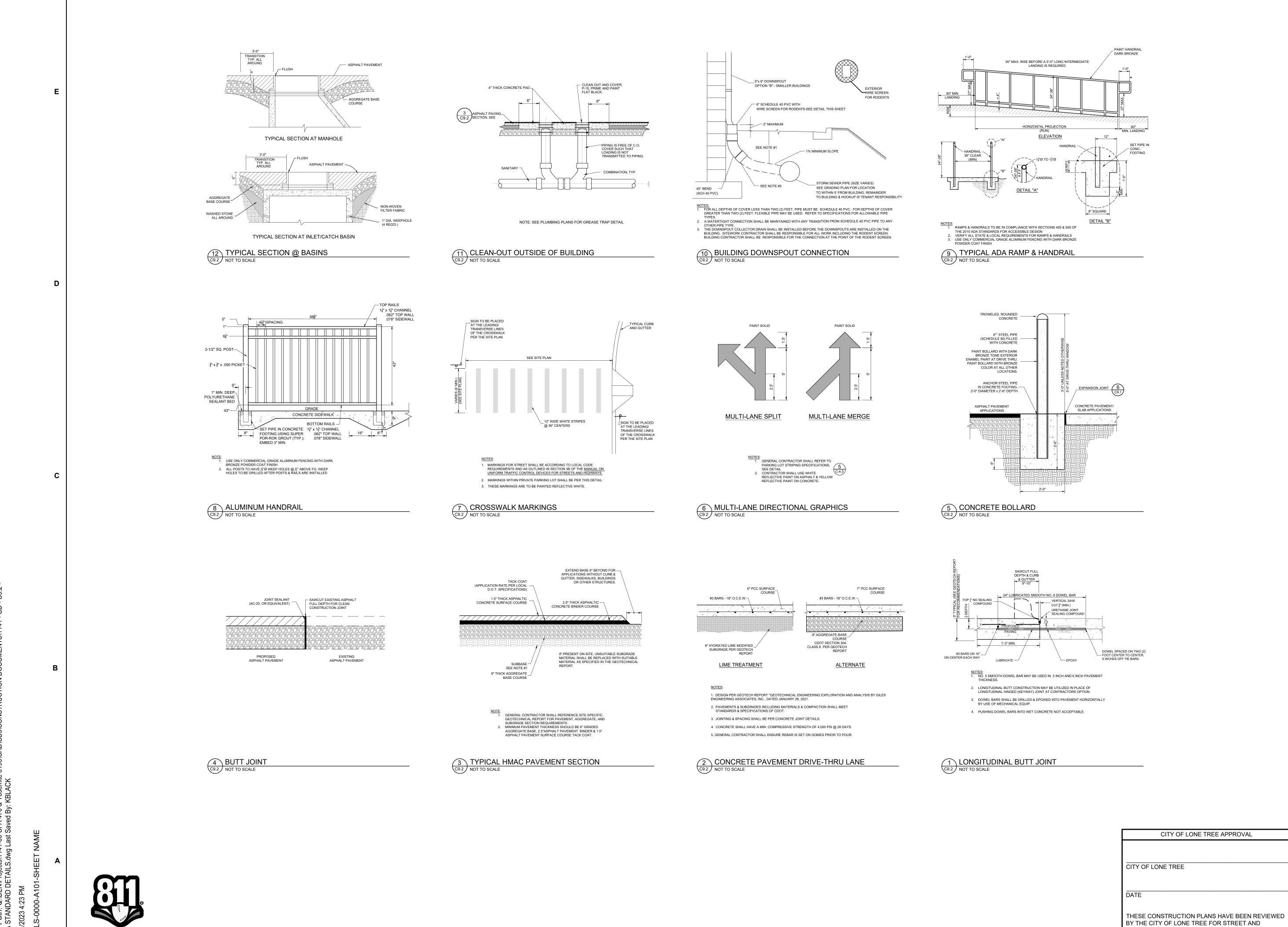
ENGINEERING DIVISION ACCEPTANCE BLOCK

DRAINAGE IMPROVEMENTS ONLY.

CITY OF LONE TREE APPROVAL

THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED

BY THE CITY OF LONE TREE FOR STREET AND



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Chick-fil-A **5200 Buffington Road** 

Atlanta, Georgia 30349-

2998



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

**REVISION SCHEDULE** <u>DATE</u>

C

O

DRAINAGE IMPROVEMENTS ONLY.

ENGINEERING DIVISION ACCEPTANCE BLOCK

CONSULTANT PROJECT # 65121141 PRINTED FOR CONSTRUCTION 09/22/23

**CFA STANDARD DETAILS** 

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

5970 GREENWOOD PLAZA BLVD GREENWOOD VILLAGE, CO 80111 303-751-0741

> FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

**REVISION SCHEDULE** <u>DATE</u>

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CON

CITY OF LONE TREE APPROVAL

THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED

ENGINEERING DIVISION ACCEPTANCE BLOCK

BY THE CITY OF LONE TREE FOR STREET AND

DRAINAGE IMPROVEMENTS ONLY.

CONSULTANT PROJECT # 65121141 PRINTED FOR FOR CONSTRUCTION 09/22/23

**CFA STANDARD DETAILS** 

CITY OF LONE TREE GENERAL NOTES:

THE CITY OF LONE TREE ENGINEER'S SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THE ENGINEERING DIVISION HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL CONFORMANCE WITH THE CITY OF LONE TREE SUBDIVISION RESOLUTION OR APPROVED VARIANCES TO THOSE REGULATIONS. THE CITY OF LONE TREE ENGINEER, THROUGH ACCEPTANCE OF THIS DOCUMENT. ASSUMES NO RESPONSIBILITY. OTHER THAN STATED ABOVE. FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS. THE OWNER AND ENGINEER UNDERSTAND THAT THE RESPONSIBILITY FOR THE ENGINEERING ADEQUACY OF THE FACILITIES DEPICTED IN THIS DOCUMENT LIES SOLELY WITH THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE IS AFFIXED TO THIS DOCUMENT

- ALL ROADWAY CONSTRUCTION SHALL CONFORM TO CURRENT DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- 4. THE CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE PUBLIC WORKS, INSPECTION SECTION, (303) 662-8112, A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO STARTING CONSTRUCTION, AND/OR BEFORE RESTARTING CONSTRUCTION AFTER A SHUTDOWN OF MORE THAN 10 DAYS.
- LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION, CONTACT: UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT (800) 922-1987 OR 811
- 6. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY (SIGNED BY BOTH DESIGN ENGINEER AND CITY OF LONE TREE) OF THE CONSTRUCTION PLANS AND GESC REPORT AND PLAN, AND ONE (1) COPY OF THE DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS AT THE JOB SITE AT ALL TIMES.
- 7. ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER, OR OTHER PURPOSES ARE LISTED AND REFERENCED BELOW:
- A ROW/CONSTRUCTION PERMIT MUST BE OBTAINED BEFORE ANY WORK WITHIN EXISTING OR PROPOSED PUBLIC ROW. THE PERMIT APPLICATION MUST BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR REVIEW/PROCESSING A MINIMUM OF 7 DAYS PRIOR TO REQUESTED START FOR THE WORK IN THE ROW.
- 9. A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR ACCEPTANCE WITH THE PERMIT APPLICATION. AN EXCAVATION OR PUBLIC IMPROVEMENTS CONSTRUCTION PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION.
- 10. THE CONSTRUCTION PLANS SHALL BE CONSIDERED VALID FOR TWO (2) YEARS FROM THE DATE OF CITY OF LONE TREE ACCEPTANCE/APPROVAL. IF APPLICABLE CONSTRUCTION PERMITS HAVE NOT BEEN OBTAINED, AND CONSTRUCTION STARTED WITHIN THAT TIME, THESE PLANS SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY THE CITY OF LONE TREE.
- 11. CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE ENGINEER INSPECTOR WHEN WORKING OUTSIDE OF THE PUBLIC RIGHT-OF-WAY ON ANY FACILITY WHICH WILL BE CONVEYED TO THE CITY, URBAN DRAINAGE AND FLOOD CONTROL DISTRICT OR OTHER SPECIAL DISTRICT FOR MAINTENANCE (STORM SEWER, ENERGY DISSIPATERS, DETENTION OUTLET STRUCTURES, OR OTHER DRAINAGE INFRASTRUCTURES). FAILURE TO NOTIFY ENGINEERING INSPECTOR TO ALLOW THEM TO INSPECT THE CONSTRUCTION MAY RESULT IN NON-ACCEPTANCE OF THE FACILITIES/INFRASTRUCTURE BY CITY AND/OR URBAN DRAINAGE

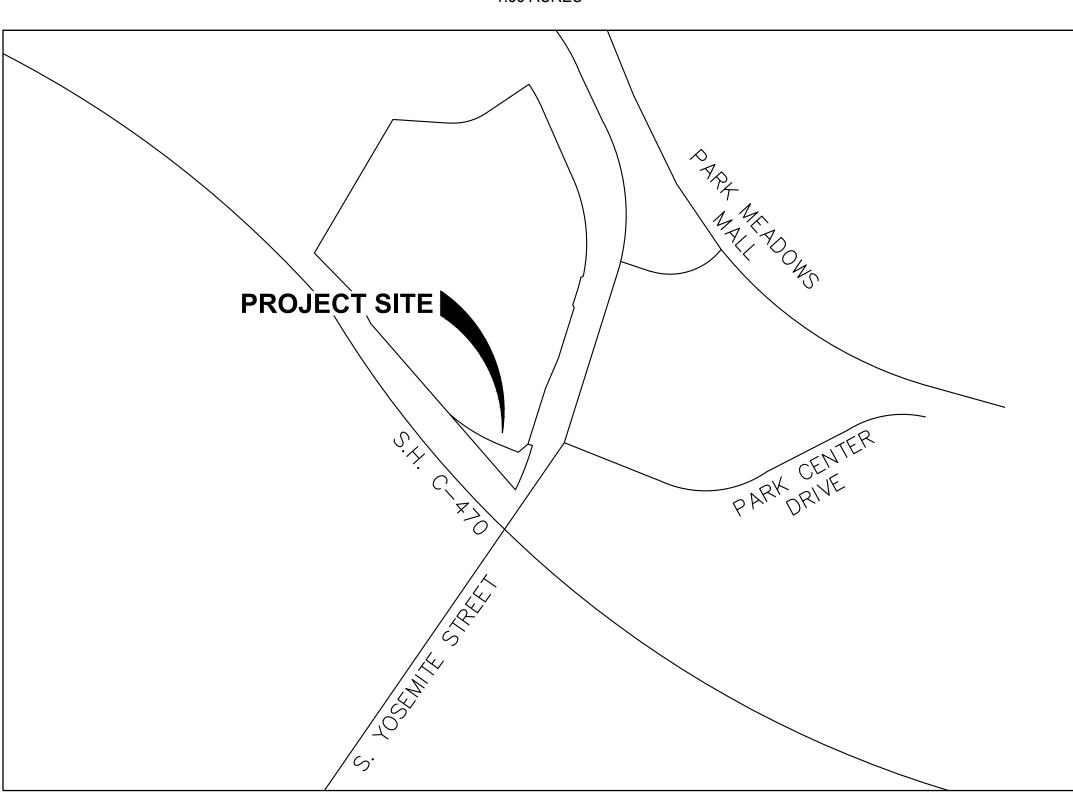
### **GENERAL NOTES:**

Call before you dig.

- BENCHMARK: ELEVATIONS ARE BASED UPON THE NGS BENCHMARK UNBEWUST. A BRASS DISK STAMPED "UNBEWUST 1992" AND SET IN THE NORTHWEST CORNER OF A 24'X16' ROCK OUTCROP. LOCATED 0.2 MILE SOUTHWEST ALONG A PAVED ROAD FROM EXIT 191 OFF INTERSTATE 25 AND 22.5' EAST OF CENTERLINE, 123' NORTH OF THE OUTLET OF A 3' CORRUGATED METAL CULVERT AND APPROXIMATELY 350' WEST OF THE WEST EDGE OF ASPHALT OF SOUTHBOUND INTERSTATE 25. ELEVATION = 6125.32 NAVD88 / DOUGLAS COUNTY DATUM.
- 2. PROJECT COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL ZONE COORDINATES. THE COMBINED FACTOR USED
- 3. SANITARY FACILITIES SHALL BE PROVIDED AND MAINTAINED ON THE SITE AT ALL TIMES BY THE CONTRACTOR.
- 4. THE APPROPRIATE AUTHORITIES SHALL BE CONTACTED FOR ALL NECESSARY INSPECTIONS WITH AT LEAST 48 HOURS
- 5. DUST SHALL BE PROPERLY CONTROLLED BY THE CONTRACTOR AT ALL TIMES.
- 6. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR UNDERGROUND UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND PROTECTING THEM DURING CONSTRUCTION.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SAFETY INCLUDING BUT NOT LIMITED TO SAFETY DURING TRENCH EXCAVATION AND SHORING, TRAFFIC CONTROL, AND SECURITY.
- 8. THE CONTRACTOR MUST SECURE ALL REQUIRED PERMITS PRIOR TO THE START OF CONSTRUCTION.
- 9. THE CONTRACT DOCUMENTS AND SPECIFICATIONS THAT ARE SPECIFIC TO THIS PROJECT SHALL CONTROL ALL WORK EXCEPT WHEN STANDARDS AND SPECIFICATIONS OF DOUGLAS COUNTY CONFLICT OR OVERRIDE.

LOT 1A-2, BLOCK 1 PARKWAY SUBDIVISION FILING NO. 3, 4TH AMENDMENT LOCATED IN THE WEST HALF OF SECTION 3 TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE 6TH P.M. CITY OF LONE TREE, COUNTY OF DOUGLAS, STATE OF COLORADO.

**1.33 ACRES** 



THE GRADING, EROSION AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PLACED IN THE CITY OF LONE TREE FILE FOR THIS PROJECT AND APPEARS TO FULFILL APPLICABLE LONE TREE GRADING, EROSION AND SEDIMENT CONTROL CRITERIA. AS AMENDED. ADDITIONAL GRADING, EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED OF THE PERMITTEES, DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE PERMITTEES, UNTIL SUCH TIME AS THE PLAN IS PROPERLY

**VICINITY MAP** 

THE GRADING, EROSION AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH THE REQUIREMENTS OF THE GRADING, EROSION AND SEDIMENT CONTROL (GESC) CRITERIA MANUAL OF DOUGLAS COUNTY AS AMENDED.

GESC PLANS PREPARED BY:

**MERRICK & COMPANY** P.E. NUMBER DATE

## **PROJECT CONTACTS**

SANITARY SEWER SOUTHGATE WATER AND SANITATION 3722 EAST ORCHARD ROAD CENTENNIAL, CO 80121 CONTACT: DAVID KAHLICH PHONE: 432-770-4997 EMAIL: REVIEWS@SOUTHGATEDISTRICTS.ORG

SOUTHGATE WATER AND SANITATION 3722 EAST ORCHARD ROAD CENTENNIAL, CO 80121 CONTACT: DAVID KAHLICH PHONE: 432-770-4997 EMAIL: REVIEWS@SOUTHGATEDISTRICTS.ORG

CITY OF LONE TREE PUBLIC WORKS 9220 KIMMER DR, SUITE 100 LONE TREE, CO 80124 CONTACT: JANET HERMAN PHONE: 303-708-1818 EMAIL: ENGINEERING@DOUGLAS.CO.US

XCEL ENERGY 2655 NORTH 63RD STREET BOULDER, CO 80301 CONTACT: JOHN SEADLER PHONE: 720-610-2509

EMAIL: JOHN.SEADLER@XCELENERGY.COM

# XCEL ENERGY

2655 NORTH 63RD STREET BOULDER, CO 80301 CONTACT: JOHN SEADLER PHONE: 720-610-2509 EMAIL: JOHN.SEADLER@XCELENERGY.COM

### TELEPHONE / CABLE / FIBER LUMEN (PREVIOUSLY CENTURY LINK) CONTACT: TRAVIS YOUNG PHONE: 303-263-1725 EMAIL: TRAVIS.YOUNG@LUMEN.COM CONTACT: MIKE PISARIK

CHICK-FIL-A, INC. 5200 BUFFINGTON ROAD ATLANTA, GA 30349-2732 CONTACT: MR. STEVE SCHWARTZ PHONE: (303) 519-7206

EMAIL: STEVE.SCHWARTZ@CFACORP.COM

EMAIL: MPISARIK@GILESENGR.COM

# **CIVIL ENGINEER** MERRICK & COMPANY

5970 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO 80111 CONTACT: MR. KELLAN BLACK PHONE: (303) 353-3590 EMAIL: KELLAN.BLACK@MERRICK.COM

# BASIS OF BEARING:

BEARINGS ARE BASED UPON THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, AS BEARING N02°13'40"W A DISTANCE OF 2699.17 FEET BETWEEN THE WEST QUARTER CORNER OF SAID SECTION 3, BEING A FOUND # 6 REBAR WITH A 3-1/4" ALUMINUM CAP, FLUSH WITH THE SURFACE, STAMPED RLS 16401 AND THE SOUTHWEST CORNER OF SAID SECTION 3 BEING A FOUND 3-1/4" ALUMINUM CAP, IN RANGE BOX DOWN 0.5' BELOW THE SURFACE, STAMPED LS 26298.

Sheet List Table

Sheet Descriptio

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C10.1

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C10.7

Sheet Title

COVER

GENERAL NOTES

INITIAL GESC PLAN

NTERIM GESC PLAN

FINAL GESC PLAN

GESC DETAIL 1

GESC DETAIL 2

GESC DETAIL 3

Sheet Number

02

### **ORIGIN BENCHMARK:**

PROJECT BENCHMARK IS RIDGEGATE BM 1 A 3.25" DIAMETER BRASS CAP SET ON THE NORTHWEST BRIDGE ABUTMENT OF RIDGEGATE PARKWAY STAMPED "RIDGEGATE BM 1 2021" AND IS APPROXIMATELY 0.7 MILES EAST ON RIDGEGATE PARKWAY FROM THE INTERSECTION OF I-25 AND RIDGEGATE PARKWAY IN LONE TREE, COLORADO. THE BENCHMARK IS 1.0 FEET FROM THE WEST EDGE OF THE ABUTMENT, 3.0 FEET NORTH OF THE BACK OF WALK AND 31 FEET NORTH OF THE WEST BOUND CENTERLINE OF RIDGEGATE PARKWAY. ELEVATION IS 5983.40 U.S. SURVEY FEET, NAVD 88 DOUGLAS COUNTY DATUM.

### Local Control Grid Coordinates:

Point #601 N=1629556.03 E=3174717.09 ELEV=5825.14 Set 2" Alum Cap Stamped "Merrick & CO 601" Point #602 N=1629607.89 E=3174208.72 ELEV=5823.87 Set 2" Alum Cap Stamped "Merrick & CO 602" STATE PLANE, NAD83, COLORADO CENTRAL COMBINED FACTOR 0.99967418745

# LEGAL DESCRIPTION:

LOT 1A-2, BLOCK 2, PARKWAY SUBDIVISION FILING NO. 3 - 4TH AMENDMENT LOCATED IN THE WEST HALF OF SECTION 3, TOWNSHIP 6 SOUTH, RANGE 67 WEST OF THE SIXTH CITY OF LONE TREE, COUNTY OF DOUGLAS, STATE OF COLORADO 1.33 ACRES, 2 LOTS SP23-0008 (SITE IMPROVEMENT PLAN)

CITY OF LONE TREE APPROVAL	
	Δ
CITY OF LONE TREE	
DATE	
THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR GRADING, EROSION, AND SEDIMENT CONTROL IMPROVEMENTS ONLY.	
ENGINEERING DIVISION ACCEPTANCE BLOCK	

**5200 Buffington Road** Atlanta, Georgia 30349-



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

EX TELEPHONE SERVICE

EX MAJOR CONTOUR *— – 5555 — —* — *- 5555* — — EX MINOR CONTOUR

LEGEND:

WATER METER

IRRIGATION METER

SINGLE CLEANOUT

**TRANSFORMER** 

STORM MANHOLE

PROPOSED TRAFFIC SIGN

PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

EX STORM MANHOLE

EX STORM INLET

EX LIGHT POLE

EX GAS SERVICE

EX WATER LINE

EX SANITARY SEWER

EX FIRE HYDRANT

EX TRAFFIC SIGN

EX SANITARY MANHOLE

EX ELECTRIC SERVICE

PAVEMENT STRIPING

PARKING COUNT

STORM SWALE

STORM SEWER

GAS LINE

ELECTRIC SERVICE

STORM INLET

LIGHT POLE

TWO-WAY CLEANOUT

**GREASE INTERCEPTOR** 

EX IRRIGATION VALVE EX WATER VALVE

EX ELECTRIC BOX CONCRETE PAVEMENT

**REVISION SCHEDULE** 

NO. DATE DESCRIPTION

CONSULTANT PROJECT #	65121141
PRINTED FOR	REVIEW
DATE	08/18/23
DRAWN BY	KEA
SHEET	

Z

SHEET NUMBER

2. ALL (SANITARY SEWER, STORM SEWER, UNDERDRAIN, WATER LINE, OR STREET) CONSTRUCTION SHALL CONFORM TO THE APPROPRIATE EDITION OF THE GOVERNING JURISDICTION STANDARDS AND SPECIFICATIONS.

3. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO VARIOUS FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES, AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.

4. MERRICK & COMPANY IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY PRECAUTIONS, OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK. MERRICK WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

5. THE CONTRACTOR SHALL CALL THE NATIONWIDE UTILITY CONTACT NUMBER (811) OR LOCAL UTILITY LOCATE SERVICE, TO REQUEST LOCATES OF ALL UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITY.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES, INCLUDING DEPTH. UTILITY LOCATIONS ARE APPROXIMATE ONLY AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES. THE UTILITIES SHOWN ON THE PLANS ARE FROM THE BEST AVAILABLE INFORMATION AND MAY NOT INCLUDE ALL UTILITIES THAT EXIST ON THE PROJECT SITE. THE CONTRACTOR SHALL PARTICIPATE IN THE RESOLUTION OF ANY CONFLICTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

7. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS, EXISTING TOPOGRAPHIC DATA, AND LOCATIONS OF ALL UTILITIES PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES ON THE PROJECT SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE PROJECT PLANS, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES FOUND PRIOR TO INITIATING ANY WORK.

8. THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE WORK AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. A COPY OF ALL PERMITS SHALL BE MAINTAINED ON-SITE AT ALL TIMES.

9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT LISTED BELOW:

10. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF ALL PERSONNEL AND EQUIPMENT ON THE PROJECT SITE AT ALL TIMES, AND IS NOT LIMITED TO NORMAL WORKING HOURS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH REGULATIONS

11. TRAFFIC CONTROL STANDARDS FOR THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. A TRAFFIC CONTROL PLAN APPROVED BY OWNER FOR ON-SITE ACTIVITY AND/OR THE LOCAL ENTITY EXERCISING JURISDICTION OVER PUBLIC RIGHTS OF WAY SHALL BE OBTAINED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

12. THERE SHALL BE NO WORK PERFORMED ON WEEKENDS OR HOLIDAYS, UNLESS ACCEPTED AND APPROVED IN WRITING AND IN ADVANCE BY THE OWNER, ENGINEER, AND LOCAL JURISDICTION.

13. ALL WASTE MATERIALS SHALL BE PROPERLY DISPOSED OF IN AN APPROVED LANDFILL PERMITTED TO ACCEPT THAT PARTICULAR TYPE OF WASTE.

14. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER OR HIS DESIGNATED REPRESENTATIVE MAY CAUSE THE WORK TO BE DEEMED UNACCEPTABLE.

15. INSTALL INITIAL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO INITIATING ANY WORK ON THE PROJECT SITE. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL FINAL STABILIZATION AND REVEGETATION IS APPROVED BY THE COUNTY AND/OR CITY.

16. THE PROJECT PLANS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE COMPLETED PROJECT IN A COMPLETE AND OPERABLE CONDITION. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND PROVIDE ALL LABOR NECESSARY TO COMPLETE THE PROJECT IN A NEAT AND

WORKMANLIKE MANNER, INCLUDING ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK, WITHOUT ADDITIONAL COST TO THE OWNER.

17. NOTIFY INSPECTORS OF ALL WORK ACTIVITY AT LEAST 24 HOURS IN ADVANCE.

18. ANY INSPECTION BY THE GOVERNING AGENCY OR THE ENGINEER, SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS.

19. ANY DISRUPTION IN UTILITIES SHALL BE COORDINATED AT LEAST 24 HOURS IN ADVANCE WITH THE UTILITY OWNER, PROJECT OWNER, EMERGENCY PROVIDERS, ALL IMPACTED LOCAL RESIDENTS, AND IMPACTED BUSINESS OWNERS. METHOD OF NOTIFICATION SHALL BE SUBJECT TO APPROVAL OF THE PROJECT OWNER AND AFFECTED UTILITY OWNER.

20. MAINTAIN EMERGENCY VEHICLE ACCESS TO AND THROUGH THE PROJECT SITE AT ALL TIMES.

BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.

21. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF EXISTING UTILITIES AND SURFACE CONDITIONS DISTURBED BY CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE OWNER, PROPERTY OWNER, AFFECTED UTILITY, OR LOCAL JURISDICTION. ALL SURFACE AND UTILITY RESTORATION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. ALL SURFACE RESTORATION SHALL BE REPLACED WITH LIKE KIND, SIZE, AND TYPE OF IMPROVEMENT THAT EXISTED PRIOR TO INITIATING CONSTRUCTION.

22. THE PROJECT PLANS AND SPECIFICATIONS AS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, FOR AND ON BEHALF OF MERRICK AND COMPANY, REPRESENT THE FINAL CONSTRUCTION DOCUMENTS FOR THIS PROJECT. THE USE OF ANY ELECTRONIC OR OTHER MEDIA PURPORTING TO REPRESENT THE FINAL CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL NOT BE RELIED UPON AS FINAL CONSTRUCTION DOCUMENTS. SHOULD THERE BE A CONFLICT BETWEEN SEALED DRAWINGS AND ELECTRONIC OR OTHER MEDIA FILES, THE SEALED DRAWINGS SHALL GOVERN. EACH USER OF ANY ELECTRONIC OR OTHER MEDIA WAIVES AND RELEASES MERRICK FROM ALL ACTIONS, CLAIMS, DAMAGES, ACTIONS, OBLIGATIONS, AND LIABILITIES OF ANY KIND OR NATURE WITH RESPECT TO THE ELECTRONIC OR OTHER MEDIA FILES.

23. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPTLY NOTIFYING THE ENGINEER OF ANY PROBLEMS OR POTENTIAL PROBLEMS IN CONFORMANCE TO THE DESIGN LINE AND GRADE FOR ANY ELEMENT OF THE CONSTRUCTION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPTLY NOTIFYING THE ENGINEER OF SITE CONDITIONS THAT DIFFER FROM THOSE SHOWN ON THE APPROVED PLANS.

25. IN THE EVENT THE CONTRACTOR ALLOWS, AUTHORIZES, APPROVES OR CONSTRUCTS ITEMS THAT DIFFER FROM THE APPROVED PLAN, SPECIFICATIONS, OR OTHER CONTRACT DOCUMENTS, WITHOUT WRITTEN APPROVAL BY THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LIABILITY ARISING FROM SUCH CHANGES.

### CITY OF LONE TREE GENERAL NOTES

1. THE CITY OF LONE TREE ENGINEER'S SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THE ENGINEERING DIVISION HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL CONFORMANCE WITH THE CITY OF LONE TREE SUBDIVISION RESOLUTION OR APPROVED VARIANCES TO THOSE REGULATIONS. THE CITY OF LONE TREE ENGINEER, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY, OTHER THAN STATED ABOVE, FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS. THE OWNER AND ENGINEER UNDERSTAND THAT THE RESPONSIBILITY FOR THE ENGINEERING ADEQUACY OF THE FACILITIES DEPICTED IN THIS DOCUMENT LIES SOLELY WITH THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE IS AFFIXED TO THIS DOCUMENT.

2. ALL ROADWAY CONSTRUCTION SHALL CONFORM TO CURRENT DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS.

3. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.

4. THE CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE PUBLIC WORKS, INSPECTION SECTION, (303) 662-8112, A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO STARTING CONSTRUCTION, AND/OR BEFORE RESTARTING CONSTRUCTION AFTER A SHUTDOWN OF MORE THAN TEN

5. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION, CONTACT: UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT (800) 922-1987 OR 811.

6. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY (SIGNED BY BOTH DESIGN ENGINEER AND CITY OF LONE TREE) OF THE CONSTRUCTION PLANS AND GESC REPORT AND PLAN, AND ONE (1) COPY OF THE DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS AT THE JOB SITE AT

7. ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER, OR OTHER PURPOSES ARE LISTED AND REFERENCED BELOW:

8. A ROW/CONSTRUCTION PERMIT MUST BE OBTAINED BEFORE ANY WORK WITHIN EXISTING OR PROPOSED PUBLIC ROW. THE PERMIT APPLICATION MUST BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR REVIEW/PROCESSING A MINIMUM OF SEVEN (7) DAYS PRIOR TO REQUESTED START FOR THE WORK IN THE ROW.

9. A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR ACCEPTANCE WITH THE PERMIT APPLICATION. AN EXCAVATION OR PUBLIC IMPROVEMENTS CONSTRUCTION PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION.

10. THE CONSTRUCTION PLANS SHALL BE CONSIDERED VALID FOR TWO (2) YEARS FROM THE DATE OF CITY OF LONE TREE ACCEPTANCE/APPROVAL. IF APPLICABLE CONSTRUCTION PERMITS HAVE NOT BEEN OBTAINED, AND CONSTRUCTION STARTED WITHIN THAT TIME, THESE PLANS SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY THE CITY OF LONE TREE.

11. CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE ENGINEER INSPECTOR WHEN WORKING OUTSIDE OF THE PUBLIC RIGHT-OF-WAY ON ANY FACILITY WHICH WILL BE CONVEYED TO THE CITY, MILE HIGH FLOOD DISTRICT, OR OTHER SPECIAL DISTRICT FOR MAINTENANCE (STORM SEWER, ENERGY DISSIPATERS, DETENTION OUTLET STRUCTURES, OR OTHER DRAINAGE INFRASTRUCTURES). FAILURE TO NOTIFY ENGINEERING INSPECTOR TO ALLOW THEM TO INSPECT THE CONSTRUCTION MAY RESULT IN NON-ACCEPTANCE OF THE FACILITIES/INFRASTRUCTURE BY CITY AND/OR MILE HIGH FLOOD DISTRICT.

### EXISTING SUBSURFACE UTILITY NOTES

 THE EXISTING SUBSURFACE UTILITIES DEPICTED IN THESE PLANS ARE IN ACCORDANCE WITH THEIR ACHIEVED QUALITY LEVELS AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD 38-02, "STANDARD GUIDELINE FOR COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

2. THE SUBSURFACE UTILITY ENGINEERING NOTIFICATION AND INVESTIGATION WAS PERFORMED BETWEEN ---/---- AND ---/---- MERRICK WILL NOT BE HELD LIABLE FOR ANY CHANGES IN FIELD CONDITIONS BEYOND THE DATES IN WHICH THE SUBSURFACE UTILITY INVESTIGATION WAS COMPLETED.

3. THE FOLLOWING UTILITIES WERE NOT INCLUDED AS PART OF THE SUBSURFACE UTILITY ENGINEERING INVESTIGATION; LANDSCAPE IRRIGATION SYSTEMS, UTILITY SERVICES TO RESIDENCES OR BUSINESSES, UNDERGROUND STORAGE TANKS, SEPTIC TANKS, WELLS, AND TRAFFIC DETECTION

4. THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1.5 OF TITLE 9, CRS ("EXCAVATION REQUIREMENTS") WHEN EXCAVATING OR GRADING IS PLANNED IN THE AREA OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO (2) BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY OF NOTICE, PRIOR TO COMMENCING SUCH OPERATIONS. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT PHONE NO. 811, TO HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES. ALL OTHER UNDERGROUND FACILITIES SHALL BE LOCATED BY CONTACTING THE RESPECTIVE OWNER. UTILITY SERVICE LATERALS SHALL ALSO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING. THE CONTRACTOR SHALL LOCATE NON-MEMBER UTILITIES, SUCH AS STORM SEWER AND DITCH FACILITIES, AS NECESSARY TO PREVENT DAMAGE THERETO.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL LOCATIONS OF EXISTING STRUCTURES AND UTILITIES SHOWN ON THE PLANS AND TO ASCERTAIN WHETHER ANY OTHER STRUCTURES AND UTILITIES MAY EXIST. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES DURING THE WORK. REPAIR OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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Orich-Pil-Rz

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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

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-FIL-A YOSEMITE 0 & YOSEMITE 80124

1WC OF HWY 470 & YOUR TREE, CO 8012

SR#05190

UILDING TYPE / SIZE: P13 LS LRG (Mi ELEASE: 22.0

REVISION SCHEDULE

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 65121141

PRINTED FOR REVIEW

DATE 08/18/23

GENERAL NOTES

SHEET NUMBER

C10.1

Know what's below.
Call before you dig.

3

THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR GRADING, EROSION, AND SEDIMENT CONTROL IMPROVEMENTS ONLY.

CITY OF LONE TREE APPROVAL

ENGINEERING DIVISION ACCEPTANCE BLOCK

VTC TO BE FODS OR EX UTILITY EASEMENT APPROVED EQUIVALENT (SEE NOTE #12) NOTES: INTERIOR SILT FENCE SHOULD BE PLACED BY THE CONTRACTOR TO INTERMITTENTLY INTERCEPT GROUND FLOW. LOCATION TO BE BASED ON SITE CONDITIONS. REFER TO EROSION CONTROL DETAILS (C9.0-C9.3) OWNER/CONTRACTOR MUST OBTAIN THE CDPS GENERAL PERMIT FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION. 4. THE CITY OF LOVELAND'S "STANDARD EROSION AND SEDIMENT CONTROL CONSTRUCTION PLAN NOTES, FEBRUARY 2005" TAKE PRECEDENCE OVER THE : 114 SY "GENERAL EROSION CONTROL NOTES" WHENEVER THERE IS A QUESTION OR CONFLICT IN THE NOTES. 5. THE OWNER/CONTRACTOR MUST ADHERE AND ABIDE TO THE RULES AND REGULATIONS IMPOSED BY THE CITY OF LOVELAND. \_ 1230 LF RULE AND ORDER OF CONDEMNATION TEMPORARY CONST. EASEMENT REC. NO. 2007047663 6. SLOPE PROTECTION SHOULD BE ADDED TO ALL AREAS OF SLOPES GREATER (CWA THAN 4:1. CONTRACTOR TO USE "TRACKED" VEHICLE, RUN PERPENDICULAR TO SLOPE TO INHIBIT RILL/GULLEY EROSION, CONTRACTOR MAY USE OTHER WINDROW-TYPE METHODS AS APPROVED BY ENGINEER. TYPICAL ALL SLOPES, REPEAT AS NECESSARY UNTIL LANDSCAPING IS INSTALLED. 7. ALL VEHICLE SPEEDS SHALL BE LIMITED TO A MAXIMUM OF 25 MILES PER HOUR. EX DRAINAGE 15' SHDEWALK & SNOW 8. ALL UNPAVED ROADWAYS AND DISTURBED SURFACE AREAS SHALL BE WATERED EASEMENT REMOVAL EASEMENT AS NEEDED TO PREVENT FUGITIVE DUST EMISSIONS. REC. NO. 9645526 9. ALL PORTABLE TOILETS SHALL BE PLACED ON A PERVIOUS SURFACE AND STAKED DOWN ON ALL FOUR SIDE. 10. ALL ADJACENT ROADWAYS AND PAVEMENT SHALL BE KEPT CLEAR OF DIRT AND DEBRIS AND SHALL BE CLEANED USING DRY METHODS ONLY IMMEDIATELY UPON 11. SEE COVER SHEET OF LONE TREE GESC STANDARD NOTES AND DETAILS (SHEET 1) FOR LEGEND OF BMP NAMES AND SYMBOLS. 12. CONTRACTOR TO INSTALL TYPICAL ENTRANCE LAYOUT (2X4) FODS TRACKOUT CONTROL SYSTEM FOR THE VEHICLE TRACKING CONTROL OR AN APPROVED EQUIVALENT. TEMPORARY BMP LEGEND: SF SILT FENCE (CF) CONSTRUCTION FENCE DD DIVERSION DITCH RESOLUTION NO. R-020-116 REC. NO. 2020124977 (RS) ROCK SOCK REC. NO. 2021038374 (CIP) CURB INLET PROTECTION LOC LIMITS OF CONSTRUCTION (SSA) STABILIZED STAGING AREA VTC VEHICLE TRACKING CONTROL (CWA) CONCRETE WASHOUT AREA EX RETAINING WALL (TO REMAIN -PROTECT IN PLACE) RESOLUTION NO. R-020-116 REC. NO. 2020124977 REC. NO. 2021038374 DIP3 DROP INLET WATTLE FILTER SM SEEDING AND MULCHING STM STOCKPILE MANAGEMENT **CONTINUATION - SEE THIS SHEET** EX 30' UTILITY EASEMENT BK 1253, PG 690 C-470/SOUTH YOSEMITE STREET ON-RAMP AGREEMENT BK 1348, PG 937 STATE HIGHWAY C-470 C-470/SOUTH YOSEMITE STREET ON-RAMP AGREEMENT BK 1348, PG 937 PERMANENT SLOPE ESMT DEED BK 1364, PG 396  $\mathbb{S}^{N}$ EX RETAINING WALL (TO REMAIN — PROTECT IN PLACE) CITY OF LONE TREE APPROVAL CITY OF LONE TREE THESE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE CITY OF LONE TREE FOR GRADING, EROSION, AND SEDIMENT CONTROL IMPROVEMENTS ONLY. Know what's below. Call before you dig.

2

3



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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

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ENGINEERING DIVISION ACCEPTANCE BLOCK

**REVISION SCHEDULE** NO. DATE DESCRIPTION

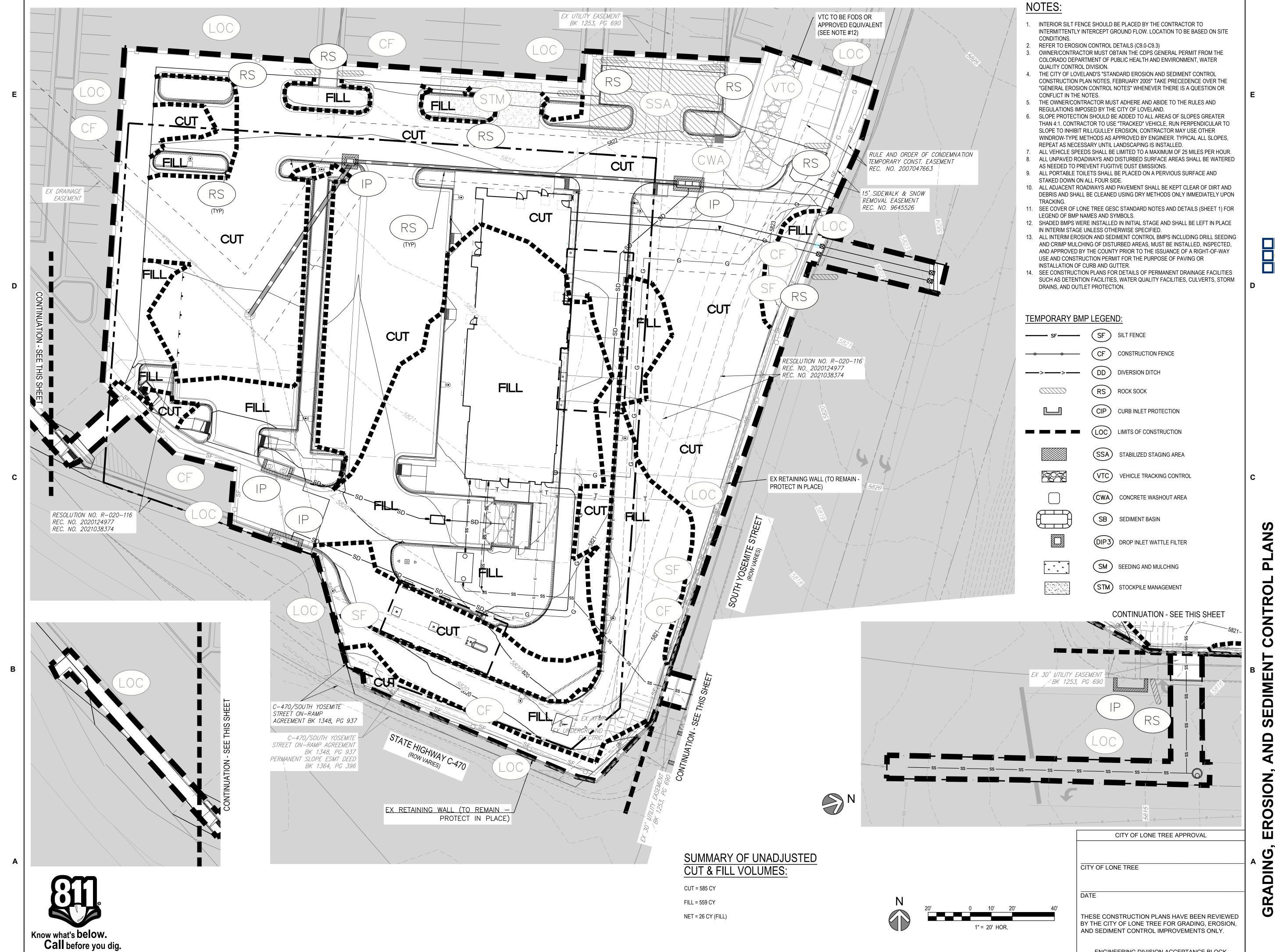
CONSULTANT PROJECT # 65121141 REVIEW

08/18/23

**INITIAL GESC PLAN** 

SHEET NUMBER

C10.2



3



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**REVISION SCHEDULE** NO. DATE DESCRIPTION

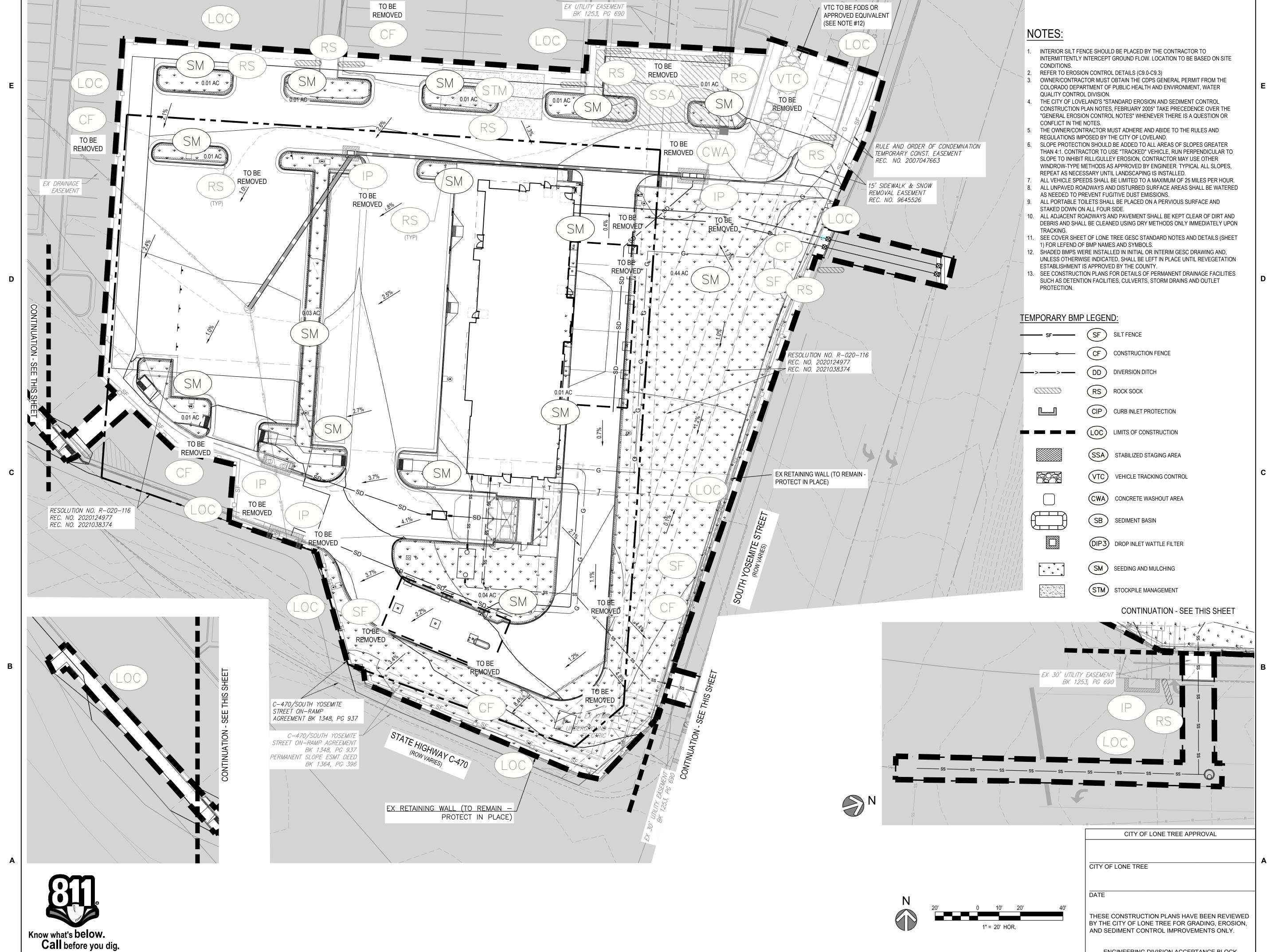
CONSULTANT PROJECT # 65121141 REVIEW 08/18/23

**INTERIM GESC PLAN** 

SHEET NUMBER

ENGINEERING DIVISION ACCEPTANCE BLOCK

C10.3



3



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ENGINEERING DIVISION ACCEPTANCE BLOCK

**FINAL GESC PLAN** 

SHEET NUMBER

**REVISION SCHEDULE** 

CONSULTANT PROJECT #

NO. DATE DESCRIPTION

65121141

REVIEW 08/18/23

C10.4

ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION. THE CITY OF LONE TREE RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE GESC MANUAL, GESC PLAN OR GESC PERMIT. THE PLACEMENT OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE IN ACCORDANCE WITH THE CITY OF LONE TREE — ACCEPTED GESC PLAN AND THE CITY OF LONE TREE GESC MANUAL.

ANY VARIATION IN MATERIAL, TYPE OR LOCATION OF EROSION AND SEDIMENT CONTROL BMPs FROM THE CITY OF LONE TREE — ACCEPTED GESC PLAN WILL REQUIRE APPROVAL FROM AN ACCOUNTABLE REPRESENTATIVE OF THE CITY OF LONE TREE ENGINEERING DIVISION. AFTER THE GESC PLAN HAS BEEN ACCEPTED, THE GESC PERMIT APPLIED FOR, FEES AND FISCAL SECURITY SUBMITTED TO THE CITY, AND THE GESC FIELD MANUAL OBTAINED AND REVIEWED, THE CONTRACTOR MAY INSTALL THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL BMPs INDICATED ON THE ACCEPTED GESC PLAN.

THE FIRST BMP TO BE INSTALLED ON THE SITE SHALL BE CONSTRUCTION FENCE, MARKERS, OR OTHER APPROVED MEANS OF DEFINING THE LIMITS OF CONSTRUCTION, INCLUDING CONSTRUCTION LIMITS ADJACENT TO STREAM CORRIDORS AND OTHER AREAS TO BE PRESERVED.

AFTER INSTALLATION OF THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL BMPs, THE PERMITTEE SHALL CALL THE CITY OF LONE TREE CONSTRUCTION INSPECTOR AT (303) 662-8112 TO SCHEDULE A PRECONSTRUCTION MEETING AT THE PROJECT SITE. THE REQUEST SHALL BE MADE A MINIMUM OF THREE BUSINESS DAYS PRIOR TO THE REQUESTED MEETING TIME. NO CONSTRUCTION ACTIVITIES SHALL BE PLANNED WITHIN 24 HOURS AFTER THE PRECONSTRUCTION MEETING.

10. THE OWNER OR OWNER'S REPRESENTATIVE, THE GESC MANAGER, THE GENERAL CONTRACTOR, AND THE GRADING SUBCONTRACTOR, IF DIFFERENT FROM THE GENERAL CONTRACTOR, MUST ATTEND THE PRECONSTRUCTION MEETING. IF ANY OF THE REQUIRED PARTICIPANTS FAIL TO ATTEND THE PRECONSTRUCTION MEETING, OR IF THE GESC FIELD MANUAL IS NOT ON SITE, OR IF THE INSTALLATION OF THE INITIAL BMPs ARE NOT APPROVED BY THE CITY OF LONE TREE GESC INSPECTOR, THE APPLICANT WILL HAVE TO PAY A REINSPECTION FEE, ADDRESS ANY PROBLEMS WITH BMP INSTALLATION, AND CALL TO RESCHEDULE THE MEETING, WITH A CORRESPONDING DELAY IN THE START OF CONSTRUCTION. THE CITY OF LONE TREE STRONGLY ENCOURAGES THE APPLICANT TO HAVE THE ENGINEER OF RECORD AT THE PRECONSTRUCTION MEETING. FAILURE OF THE ENGINEER OF RECORD TO ATTEND MAY RESULT IN A DELAY OF THE START OF CONSTRUCTION.

CONSTRUCTION SHALL NOT BEGIN UNTIL THE CITY OF LONE TREE GESC INSPECTOR APPROVES THE INSTALLATION OF THE INITIAL BMPs AND THE APPROVED GESC PERMIT IS PICKED UP FROM THE CITY AND IS IN-HAND ON THE SITE. THE COMPLETED PERMIT WILL BE AVAILABLE WITHIN 24-HOURS AFTER THE INSTALLATION OF THE INITIAL BMPs ARE

12. THE GESC MANAGER SHALL STRICTLY ADHERE TO THE CITY OF LONE TREE—APPROVED LIMITS OF CONSTRUCTION AT ALL TIMES. THE CITY OF LONE TREE ENGINEERING DIVISION MUST APPROVE ANY CHANGES TO THE LIMITS OF CONSTRUCTION AND, AT THE DISCRETION OF THE ENGINEERING DIVISION, ADDITIONAL EROSION/SEDIMENT CONTROLS MAY BE REQUIRED IN ANY ADDITIONAL AREAS OF CONSTRUCTION.

3. THE MAXIMUM AREA OF CONSTRUCTION SHALL BE LIMITED TO 40 ACRES (70 ACRES IF APPROVED FOR SOIL MITIGATION OPERATIONS) TO REDUCE THE AMOUNT OF LAND DISTURBED AT ANY ONE TIME. LARGER SITES SHALL BE DIVIDED INTO PHASES THAT ARE EACH 40 (OR 70) ACRES OR LESS IN SIZE. THESE PROJECTS SHALL CONDUCT GRADING ACTIVITIES IN ACCORDANCE WITH THE ACCEPTED GESC PLAN. BMP INSTALLATION AND APPROVAL BY THE CITY OF LONE TREE AT THE START AND COMPLETION OF EACH PHASE SHALL BE CONDUCTED IN ACCORDANCE WITH HE PROCEDURES OUTLINED IN THE GESC MANUAL AND/OR GESC FIELD MANUAL.

4. PRIOR TO ACTUAL CONSTRUCTION, THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES, FOR INFORMATION, CONTACT THE DENVER INTER-UTILITY GROUP AT 1-800-922-1987 OR FAX AT (303) 534-6700.

NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATIONS.

16. THE GESC PERMIT SHALL BE VALID FOR A PERIOD OF ONE (1) YEAR, UNLESS EXTENDED. 17. A COPY OF THE GESC PERMIT, ACCEPTED GESC PLANS AND THE GESC FIELD MANUAL SHALL BE ON SITE AT ALL

18. THE GESC MANAGER SHALL BE RESPONSIBLE FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE WITH THE GESC PERMIT AND SHALL BE THE PERMITTEE'S CONTACT PERSON WITH THE CITY FOR ALL MATTERS PERTAINING TO THE GESC PERMIT. THE GESC MANAGER SHALL BE PRESENT AT THE SITE THE MAJORITY OF THE TIME AND SHALL BE AVAILABLE THROUGH A 24-HOUR CONTACT NUMBER. IN THE EVENT THAT THE CONTRACTOR'S GESC MANAGER IS NOT ON SITE AND CANNOT BE REACHED DURING A VIOLATION, THE ALTERNATE GESC MANAGER SHALL BE CONTACTED. IF NEITHER THE GESC MANAGER NOR ALTERNATE GESC MANAGER CAN BE CONTACTED DURING ANY VIOLATION, A STOP WORK ORDER SHALL BE ISSUED.

19. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE THROUGH THE CITY OF LONE TREE—APPROVED ACCESS POINT, A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL ACCESS POINTS ON THE SITE. ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES MAY BE ADDED WITH AUTHORIZATION FROM THE CITY OF LONE TREE

8'x8' MIN.

8'x8' MIN.

SECTION B SCALE: 1" = 10'-0"

THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.

4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

VEHICLE TRACKING CONTROL (DETAIL 24) IS REQUIRED AT THE ACCESS POINT.

EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.

THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.

AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.

WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.

4. INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

CWA CONCRETE WASHOUT AREA 4

CONCRETE WASHOUT AREA INSTALLATION NOTES

CONCRETE WASHOUT AREA MAINTENANCE NOTES

SEE PLAN VIEW FOR:

 LOCATIONS OF CONCRETE WASHOUT AREA.

OR AS REQUIRED TO CONTAIN WASTE CONCRETE

20. THE GESC MANAGER IS RESPONSIBLE FOR CLEANUP OF SEDIMENT OR CONSTRUCTION DEBRIS TRACKED ONTO ADJACENT PAVED AREAS. PAVED AREAS INCLUDING STREETS ARE TO BE KEPT CLEAN THROUGHOUT BUILD—OUT AND SHALL BE CLEANED, WITH A STREET SWEEPER OR SIMILAR DEVICE, AT FIRST NOTICE OF ACCIDENTAL TRACKING OR AT THE DISCRETION OF THE CITY OF LONE TREE GESC INSPECTOR. STREET WASHING IS NOT ALLOWED. THE CITY OF LONE TREE RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO ENSURE AREA STREETS ARE KEPT FREE

GROUND SURFACE

12" MIN

APPROVED EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE GESC MANAGER SHALL INSPECT ALL BMPS IN ACCORDANCE WITH THE ACCEPTED GESC PLAN AND GESC MANUAL. ALL NECESSARY MAINTENANCE AND REPAIR ACTIVITIES SHALL BE COMPLETED WITHIN 48 HOURS FOR LEVEL III VIOLATIONS, AND IMMEDIATELY FOR LEVEL II VIOLATIONS, OR AS DIRECTED BY A CITY OF LONE TREE GESC INSPECTOR. ACCUMULATED SEDIMENT AND CONSTRUCTION DEBRIS SHALL BE DELIVOUED AND RODOEFLY DISPOSED. BE REMOVED AND PROPERLY DISPOSED. 22. STRAW BALES ARE NOT A GESC-ACCEPTED SEDIMENT CONTROL BMP.

23. TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN THE LOCATION SHOWN ON THE ACCEPTED GESC PLAN. THE GESC MANAGER SHALL SCHEDULE AN INSPECTION WITH THE CITY OF LONE TREE GESC INSPECTOR AS SOON AS TOPSOIL STRIPPING IS COMPLETED. FAILURE TO SCHEDULE SUCH INSPECTION OR FAILURE TO STOCKPILE TOPSOIL SHALL RESULT IN ISSUANCE OF A STOP WORK ORDER. THE STOP WORK ORDER SHALL REMAIN IN PLACE UNTIL TOPSOIL STOCKPILE TO ALL STATE OF A DEPORTURE SOIL AMEDIAENTS ARE STOCKPILED ON SITE. IS STOCKPILED ON SITE OR APPROPRIATE SOIL AMENDMENTS ARE STOCKPILED ON SITE. 24. THE ACCEPTED GESC PLAN MAY REQUIRE CHANGES OR ALTERATIONS AFTER APPROVAL TO MEET CHANGING SITE OR PROJECT CONDITIONS OR TO ADDRESS INEFFICIENCIES IN DESIGN OR INSTALLATION. THE GESC MANAGER SHALL OBTAIN PRIOR APPROVAL FROM THE DESIGN ENGINEER AND THE CITY OF LONE TREE ENGINEERING FOR ANY

25. LINING OF TEMPORARY SWALES AND DITCHES SHALL BE IN ACCORDANCE WITH THE GESC CRITERIA MANUAL.

26. NO PERMANENT EARTH SLOPES GREATER THAN 3:1 SHALL BE ALLOWED. 27. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE LIMITS OF CONSTRUCTION DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE GESC MANAGER, THE GESC MANAGER SHALL BE HELD RESPONSIBLE FOR OBTAINING ACCESS RIGHTS TO ADJACENT PROPERTY, IF NEEDED, AND REMEDIATING ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, PROPERTIES, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.

28. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND. 29. SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE SEEDED AND MULCHED WITHIN

FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION. NO STOCKPILES SHALL BE PLACED WITHIN ONE HUNDRED

(100) FEET OF A DRAINAGE WAY UNLESS APPROVED BY THE CITY OF LONE TREE ENGINEERING DIVISION. O. ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS WHICH MAY ENTER WATERS OF THE STATE OF COLORADO, WHICH INCLUDE BUT ARE NOT LIMITED TO, SURFACE WATER, GROUND WATER AND DRY GULLIES OR STORM SEWER LEADING TO SURFACE WATER, SHALL BE IMMEDIATELY REPORTED TO THE CDPHE PER CRS 25-8-601, AND THE CITY OF LONE TREE. RELEASES OF PETROLEUM PRODUCTS AND CERTAIN HAZARDOUS SUBSTANCES LISTED UNDER THE FEDERAL CLEAN WATER ACT (40 CFR PART 116) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AS WELL AS THE CDPHE. THE APPLICABLE CONTACT INFORMATION (SEE APPENDIX A, DOUGLAS COUNTY GESC MANUA - SUBJECT TO CHANGE) IS: COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT TOLL-FREE 24-HOUR ENVIRONMENTAL EMERGENCY SPILL REPORTING LINE 1-877-518-5608; NATIONAL RESPONSE CENTER (24-HOUR NATIONAL SPILL RESPONSE) 1-800-424-8802; CITY OF LONE TREE PUBLIC WORKS (303) 662-8112. SPILLS THAT POSE AN IMMEDIATE RISK TO HUMAN LIFE SHALL BE REPORTED TO 911. FAILURE TO REPORT AND CLEAN UP ANY SPILL SHALL RESULT IN ISSUANCE OF A STOP WORK ORDER.

ALL WORK ON SITE SHALL STAY A MINIMUM OF ONE HUNDRED (100) FEET AWAY FROM ANY DRAINAGE WAY, WETLAND, ETC. UNLESS OTHERWISE NOTED ON AN ACCEPTED CITY OF LONE TREE GESC PLAN.

2. ALL PROJECTS SHALL BALANCE EARTHWORK QUANTITIES ON SITE. IN THE EVENT A VARIANCE IS GRANTED BY THE CITY ENGINEER TO ALLOW IMPORT OR EXPORT OF MATERIAL, THE PERMITEE SHALL HAVE A GESC PERMIT IN HAND FOR THE IMPORT OR EXPORT SITE PRIOR TO ANY TRANSPORTING OF EARTHEN MATERIAL. THE GESC MANAGER SHALL NOTIFY THE CITY OF LONE TREE GESC INSPECTOR OF THE LOCATION AND GESC PERMIT NUMBERS OF BOTH THE EXPORTING AND IMPORTING SITES PRIOR TO ANY IMPORT/EXPORT OPERATIONS.

3. THE USE OF REBAR, STEEL STAKES OR STEEL FENCE POSTS FOR STAKING OR SUPPORT OF ANY EROSION OR SEDIMENT CONTROL BMP IS PROHIBITED (EXCEPT STEEL TEE-POSTS FOR USE IN SUPPORTING CONSTRUCTION FENCE).

THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO APPROVED CONCRETE WASH OUT LOCATIONS ON THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER SYSTEM IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED UP AND DISPOSED AT AN

ALL DEWATERING ON SITE SHALL BE COORDINATED WITH A CITY OF LONE TREE GESC INSPECTOR AND BE FREE OF SEDIMENT IN ACCORDANCE WITH THE GESC CRITERIA MANUAL. ALL PERMANENT INSTALLATIONS OF PIPES FOR STORM SEWERS, SLOPE DRAINS, AND CULVERTS, TOGETHER WITH RIPRAP APRONS OR OTHER INLET AND OUTLET PROTECTION, REQUIRE INSPECTION BY THE CITY OF LONE TREE ENGINEERING (SEPARATE FROM GESC INSPECTIONS).

77. ALL DISTURBED AREAS SHALL BE DRILL SEEDED AND CRIMP MULCHED IN ACCORDANCE WITH THE DOUGLAS COUNTY GESC MANUAL CRITERIA AND THE CITY OF LONE TREE SEEDING AND MULCHING DETAIL (#17) INCLUDED HEREIN WITHIN THIRTY DAYS OF INITIAL EXPOSURE OR WITHIN SEVEN DAYS OF SUBSTANTIAL COMPLETION (AS DEFINED BY HE CITY OF LONE TREE) OF AN AREA, WHICHEVER IS LESS. THIS MAY REQUIRE MULTIPLE MOBILIZATIONS FOR

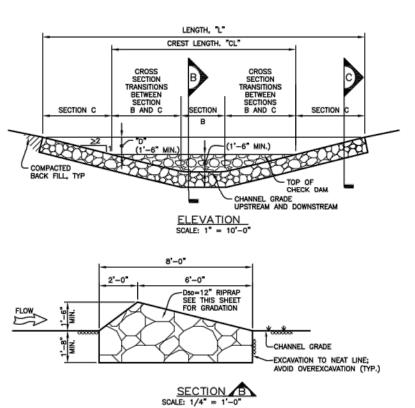
HYDRAULIC SEEDING AND HYDRAULIC MULCHING ARE NOT AN ACCEPTABLE METHOD OF SEEDING OR MULCHING IN THE CITY OF LONE TREE.

 NO CURB AND GUTTER PERMITS SHALL BE ISSUED UNTIL ALL DISTURBED AREAS ARE DRILL SEEDED AND CRIMP MULCHED. 40. NO PAVING PERMITS SHALL BE ISSUED UNTIL ALL INTERIM INLET PROTECTION IS INSTALLED AND APPROVED BY THE

41. A FINAL GESC INSPECTION SHALL BE CONDUCTED A MINIMUM OF TWO WEEKS PRIOR TO THE ANTICIPATED REQUEST FOR CERTIFICATE OR TEMPORARY CERTIFICATE OF OCCUPANCY OR INITIAL ACCEPTANCE.

DETAIL SHEET BMP LEGEND <u>NO.</u> <u>NO.</u> (CD) CHECK DAM (CB) COMPOST BLANKET (CFB) COMPOST FILTER BERM (CWA) CONCRETE WASHOUT AREA (CF) CONSTRUCTION FENCE \_\_\_\_ (CM) CONSTRUCTION MARKERS (DD) DIVERSION DITCH (ECB) EROSION CONTROL BLANKET 10 (IP) INLET PROTECTION REINFORCED CHECK DAM (RRB) REINFORCED ROCK BERM RRB FOR CULVERT PROTECTION (SB) SEDIMENT BASIN 15 SEDIMENT CONTROL LOG SEDIMENT TRAP **(2000)** 17 • • • (SM) SEEDING AND MULCHING (SF) SILT FENCE STABILIZED STAGING AREA 20 (SR) SURFACE ROUGHENING <del>20000</del> (TSD) TEMPORARY SLOPE DRAIN 8050808 22 TEMPORARY STREAM CROSSING 24 VTC) VEHICLE TRACKING CONTROL 25 (WW) VTC WITH WHEEL WASH <u>A</u> 26 CS CURB SOCK ROCK AND RIPRAP GRADATIONS

LOC LIMITS OF CONSTRUCTION



D50=12" RIPRAP SEE THIS SHEET FOR GRADATION CHANNEL GRADE EXCAVATION TO NEAT LINE;
AVOID OVEREXCAVATION (TYP.) SECTION C SCALE: 1/4" = 1'-0" CHECK DAM INSTALLATION NOTES

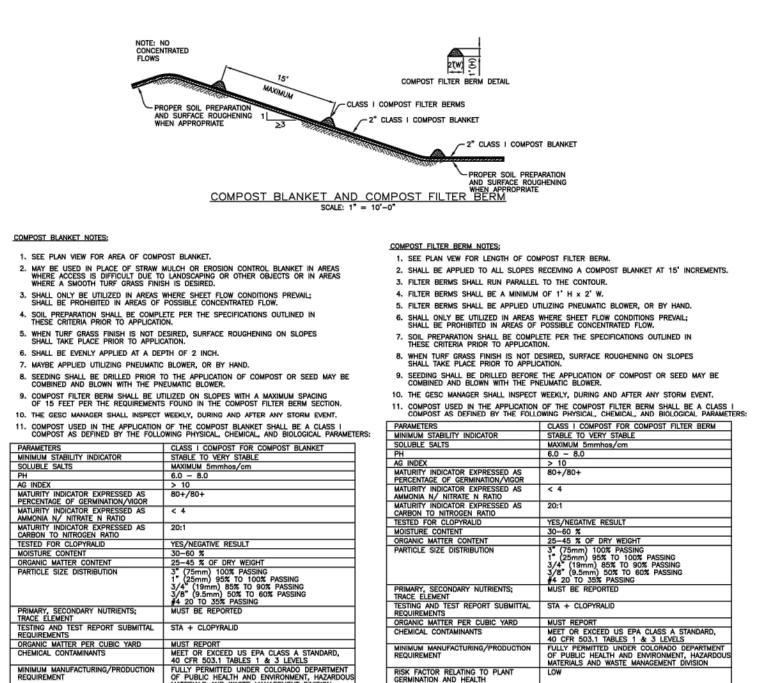
SEE PLAN VIEW FOR:
 LOCATIONS OF CHECK DAMS.
 CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 LENGTH, "L", CREST LENGTH, "CL", AND DEPTH, "D".

CHECK DAMS INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND-DISTURBING ACTIVITIES. 3. RIPRAP UTILIZED FOR CHECK DAMS SHALL HAVE A  $\rm D_{\rm so}$  MEDIAN STONE SIZE OF 12". 4. RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'-8".

THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1'-6" HIGHER THAN THE CENTER OF THE CHECK DAM. CHECK DAM MAINTENANCE NOTES

 THE GESC MANAGER SHALL INSPECT CHECK DAMS WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY. SEDIMENT ACCUMULATED UPSTREAM OF CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH UPSTREAM OF CHECK DAM IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.

CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS APPROVED BY THE CITY. CD CHECK DAM 1



IOTE: CLOPYRALID IS THE COMMON NAME OF A HERBICIDE THAT KILLS BROAD-LEAVED WEEDS SUCH AS DANDELIONS, CLOVER AND THISTLE. CB) COMPOST BLANKET (2)

REQUIREMENTS

ORGANIC MATTER PER CUBIC YARD

CHEMICAL CONTAMINANTS

MINIMUM MANUFACTURING/PRODUCTION
REQUIREMENT

RISK FACTOR RELATING TO PLANT
GERMINATION AND HEALTH

MUST REPORT

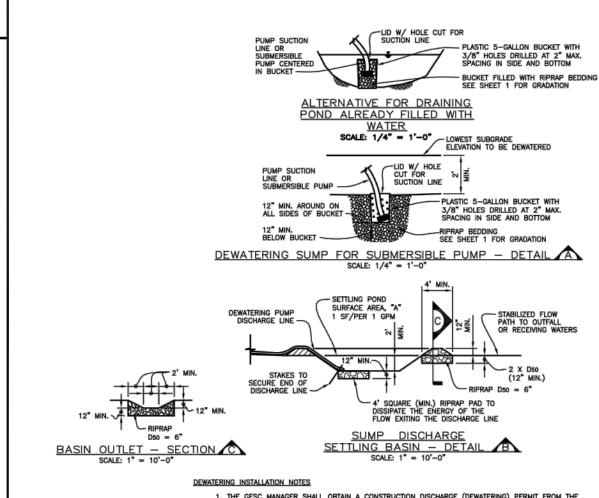
MEET OR EXCEED US EPA CLASS A STANDARD,
40 CFR 503.1 TABLES 1 & 3 LEVELS

FULLY PERMITTED UNDER COLORADO DEPARTMENT
OF PUBLIC HEALTH AND ENVIRONMENT, HAZARDOUS
MATERIALS AND WASTE MANAGEMENT DIVISION

LOW NOTE: IF A BIOSOLID COMPOST IS TO BE UTILIZED IT SHALL BE PRODUCED BY A FACILITY IN POSSESSION OF A VALID NOTICE OF AUTHORIZATION (NOA) FOR THE UNRESTRICTED USE AND DISTRIBUTION BY THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT. THE NOA SHALL BE PROVIDED UPON REQUEST TO CITY OF LONE TREE. NOTE: A LAB TEST DETAILING THE CHEMICAL, PHYSICAL, AND BIOLOGICAL PARAMETERS SHALL BE PROVIDED UPON REQUEST BY CITY OF LONE TREE.

CFB COMPOST FILTER BERM (3) A

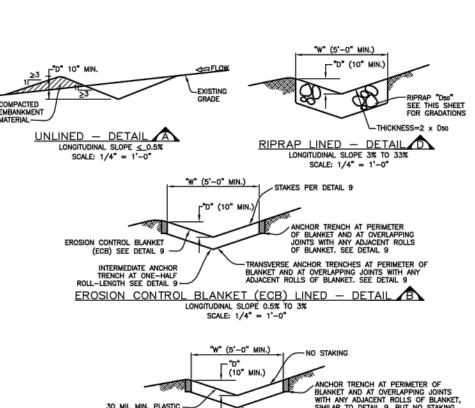
TABLE 1. RIPRAP GRADATIONS



5. DEWATERING OPERATIONS SHALL USE ONE OR MORE OF THE DEWATERING SUMPS SHOWN ABOVE OR OTHER MEANS APPROVED BY THE CITY TO REDUCE THE PUMPING OF SEDIMENT, AND SHALL PROVIDE A TEMPORARY BASIN FOR SETTLING PUMPED DISCHARGES PRIOR TO RELEASE OFF SITE OR TO A RECEIVING WATER, SEDIMENT BASIN PER DETAIL 14 MAY BE USED IN LIEU OF SUMP DISCHARGE SETTLING BASIN SHOWN ABOVE.

THE DISCHARGE END OF THE LINE SHALL BE STAKED IN PLACES TO PREVENT MOVEMENT OF RIPRAP PAD. THE GESC MANAGER SHALL INSPECT DEWATERING SYSTEMS AND PERFORM ANY NECESSARY REPAIRS OR MAINTENANCE ON A HOURLY BASIS.

1. TEMPORARY SETTLING BASINS SHALL BE REMOVED WHEN NO LONGER NEEDED FOR DEWATERING OPERATIONS. ANY DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISI STABILIZED IN A MANNER APPROVED BY THE CITY. → DW DEWATERING 7 A



RISK FACTOR RELATING TO PLANT GERMINATION AND HEALTH

ANCHOR TRENCH AT PERIMETER OF BLANKET AND AT OVERLAPPING JOINTS WITH ANY ADJACENT ROLLS OF BLANKET SIMILAR TO DETAIL 9, BUT NO STAKING

DIVERSION DITCH INSTALLATION NOTES

1. SEE PLAN VIEW FOR:

- LOCATION OF DIVERSION DITCH.

- TYPE OF DITCH (UNLINED, ECB LINED, PLASTIC LINED OR RIPRAP LINED).

- LENGTH OF EACH TYPE OF DITCH.

- DEPTH, "D", AND WIDTH, "W" DIMENSIONS.

- FOR ECB LINED DITCH, EROSION CONTROL BLANKET TYPE (SEE DETAIL 9).

- FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, "D50".

DIVERSION DITCHES INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.

FOR ECB LINED DITCHES, INSTALLATION OF EROSION CONTROL BLANKET SHALL CONFORM TO THE REQUIREMENTS OF DETAIL 9. IN LOCATIONS WHERE CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION DITCH, THE PERMITTEES SHALL INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12-INCHES.

THE GESC MANAGER SHALL INSPECT DIVERSION DITCHES WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY.

2. DIVERSION DITCHES ARE TO REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION, OR, IF APPROVED BY THE CITY, LEFT IN PLACE. IF DIVERSION DITCHES ARE REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.

DD DIVERSION DITCH 8 A

D50 MEDIAN STONE SIZE (INCHES)	% OF MATERIAL SMALLER THAN TYPICAL STONE	TYPICAL STONE EQUIVALENT DIAMETER (INCHES)	TYPICAL STONE WEIGHT (POUNDS)
6	70 - 100	12	85
	50 - 70	9	35
	35 - 50	6	10
	2 - 10	2	0.4
9	70 - 100	15	160
	50 - 70	12	85
	35 - 50	9	35
	2 - 10	3	1.3
12	70 - 100	21	440
	50 - 70	18	275
	35 - 50	12	85
	2 - 10	4	3
18	100	30	1280
	50 - 70	24	650
	35 - 50	18	275
	2 - 10	6	10
24	100	42	3500
	50 - 70	33	1700
	35 - 50	24	650
	2 - 10	9	35

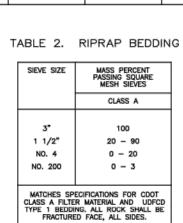


TABLE 3. 1 1/2" CRUSHED ROCK

IEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES	
	NO. 4	
2" 1 1/2" 1" 3/4" 3/8"	100 90 - 100 20 - 55 0 - 15 0 - 5	
ATCHES SPE COARSE AGG PER AASHTO BE FRACTU		

ROCK AND RIPRAP GRADATIONS

	Sheet Revisions		NOTE: SCALES
6/30/05	ADOPTED FROM DOUGLAS COUNTY GESC PLANS	MLP	SHOWN ARE FOR 24"x36"
5/ /08	edit updates 🛕	GAW	SHEETS; ADJUST
11/ /08	ADD CURB SOCK DETAIL 🛕 (REF UDFCD, V3 FIGURE C5-23), MISC. NOTE EDITS	GAW	ACCORDINGLY FOR 11"x17"
			SHEETS.

DETAIL A SCALE: 1/4" = 1'-0"

-----CF CONSTRUCTION FENCE (5)

CONSTRUCTION FENCE INSTALLATION NOTES

SEE PLAN VIEW FOR:
 TYPE OF CONSTRUCTION LIMIT INDICATOR (FENCE OR MARKER:
 LOCATION AND LENGTH OF FENCE OR LINE OF MARKERS.



CM CONSTRUCTION MARKERS 6

3

CITY OF LONE TREE DEPARTMENT OF PUBLIC WORKS **Engineering Division** 

GESC GRADING, EROSION, AND SEDIMENT CONTROL SEDIMENT CONTROL

2

GESC PLAN STANDARD NOTES AND DETAILS

SHEET 1 OF 3



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Call before you dig.

**GESC DETAIL 1** SHEET NUMBER

**FSR#05190** 

DESCRIPTION

65121141

REVIEW

08/18/23

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

**REVISION SCHEDULE** 

CONSULTANT PROJECT #

DATE

Chick-fil-A

**5200 Buffington Road** 

Atlanta, Georgia 30349-

5970 GREENWOOD PLAZA BLVD

GREENWOOD VILLAGE, CO 80111

303-751-0741

FOR AND AND ON-BEHALF OF

MERRICK AND COMPANY

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C10.5

Know what's below. Call before you dig.

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3 2

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



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

**一** S

FSR#05190

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

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**REVISION SCHEDULE** 

<u>DATE</u> <u>DESCRIPTION</u>

CONSULTANT PROJECT # 65121141 REVIEW

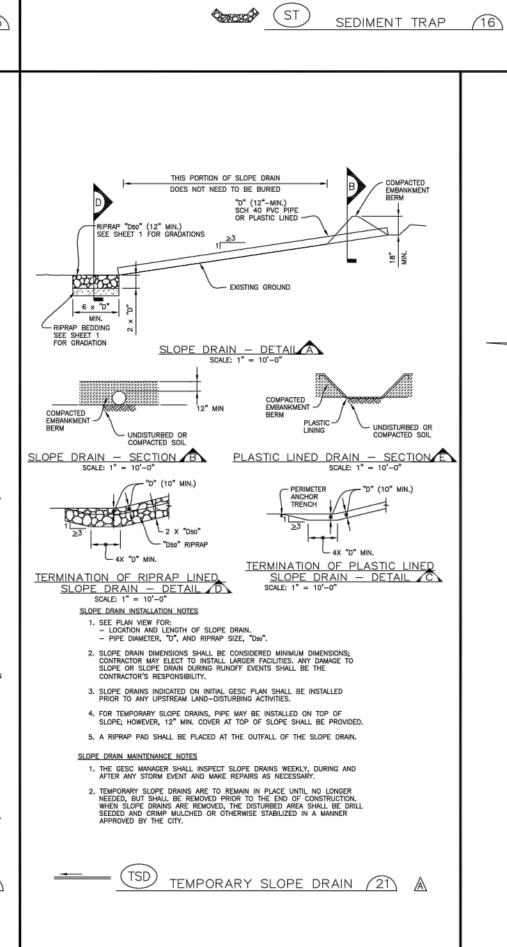
08/18/23

**GESC DETAIL 2** 

07 OF 08

SHEET NUMBER

C10.6



2:1MAX.

2:1MAX.

DETAIL A SCALE: 1" = 10'-0"

SEDIMENT TRAPS INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED PRIOR TO ANY LAND—DISTURBING ACTIVITIES.

SEDIMENT TRAP BERM SHALL BE CONSTRUCTED FROM MATERIAL FROM EXCAVATION. THE BERM SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

RIPRAP OUTLET SHALL BE CONSTRUCTED WITH D =12" RIPRAP WITH A MINIMUM OVERFLOW OF 6".

THE TOP OF THE EARTHEN BERM SHALL BE A MINIMUM OF 6" HIGHER THAN THE TOP OF THE RIPRAP OUTLET STRUCTURE.

THE ENDS OF THE RIPRAP OUTLET STRUCTURE SHALL BE MINIMUM OF 6" HIGHER THAN THE CENTER OF THE OUTLET STRUCTURE.

THE GESC MANAGER SHALL INSPECT SEDIMENT TRAPS WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.

SEDIMENT ACCUMULATED UPSTREAM OF RIPRAP SHALL BE REMOVED WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN ½ THE HEIGHT OF THE RIPRAP OUTLET STRUCTURE.

WHEN SEDIMENT TRAPS ARE REMOVED THE DISTURBED AREA SHALL BE DRILLED SEEDED AND CRIMP MULCHED OR STABILIZED IN A MANNER APPROVED BY THE CITY.

SEDIMENT TRAPS SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVERAGE IS APPROVED BY THE CITY.

SHOWN ARE

FOR 24"x36"

**ACCORDINGLY** 

FOR 11"x17"

GAW SHEETS; ADJUST

GAW

2:1MAX.

2:1MAX.

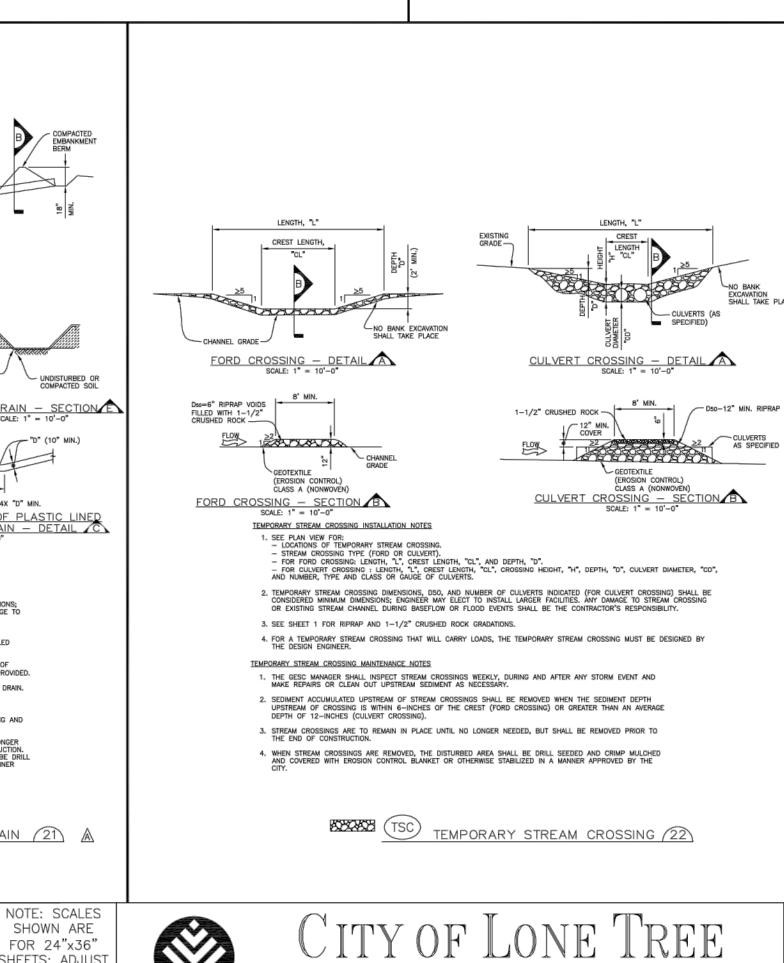
SEDIMENT TRAP INSTALLATION NOTES

SEDIMENT TRAP MAINTENANCE NOTES

SEE PLAN VIEW FOR:

 LOCATION, LENGTH AND WIDTH OF SEDIMENT TRAP.

SECTION B SCALE: 1" = 10'-0"



DEPARTMENT OF PUBLIC WORKS

Engineering Division

3

SEEDING AND MULCHING INSTALLATION NOTES

-EXCAVATION TO NEAT LINE; AVOID OVEREXCAVATION (TYPE

SEE PLAN VIEW FOR:

 AREA OF SEEDING AND MULCHING.
 TYPE OF SEED MIX (PERMANENT, TEMPORARY, OR LOW-GROWTH).

4. DRILL SEEDING MIX SHALL CONFORM TO THE TABLE ON THE RIGHT:

ALL BRANDS FURNISHED SHALL BE FREE FROM SUCH NOXIOUS SEEDS AS RUSSIAN OR CANADIAN THISTLE, COARSE FESCUE, EUROPEAN BINDWEED, JOHNSON GRASS, KNAP WEEL AND LEAFY SPURGE.

3. THE SEEDER SHALL FURNISH TO THE CONTRACTOR A SIGNED STATEMENT CERTIFYING THAT THE SEED FURNISHED IS FROM A LOT THAT HAS BEEN TESTED BY A RECOGNIZED LABORATORY, SEED WHICH HAS BECOME WET, MOLDY, OR OTHERWISE DAMAGED IN TRANSIT OR IN STORAGE WILL NOT BE ACCEPTABLE. SEED TICKETS SHALL BE PROVIDED TO CITY OF LONE TREE UPON REQUEST.

5. IF THE SEED AVAILABLE ON THE MARKET DOES NOT MEET THE MINIMUM PURITY AND GERMINATION PERCENTAGES SPECIFIED, THE SUBCONTRACTOR MUST COMPENSATE FOR A LESSER PERCENTAGE OF PURITY OR GERMINATION BY FURNISHING SUSTPICIENT ADDITIONAL SEED TO EQUAL THE SPECIFIED PROPUCT. THE TAGS FROM THE SEED MIXES MUST BE SUPPLIED TO CONTRACTOR AND FORWARDED TO THE CITY OF LONE TREE GESC INSPECT.

7. PERMANENT SEED MIX SHALL BE USED UNLESS OTHERWISE APPROVED BY THE CITY.

8. ALL AREAS TO BE SEEDED AND MULCHED SHALL HAVE NATIVE TOPSOIL OR APPROVED SOIL AMENDMENTS SPREAD TO A DEPTH OF AT LEAST 6 INCHES (LOOSE DEPTH). HAUL ROADS AND OTHER COMPACTED AREAS SHALL BE LOOSENED TO A DEPTH OF 6 INCHES PRIOR TO SPREADING TOPSOIL.

SOIL IS TO BE THOROUGHLY LOOSENED (TILLED) TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO SEEDING. THE TOP 6 INCHES OF THE SEED BED SHALL BE FREE OF ROCKS GREATER THAN 4 INCHES AND SOIL CLODS GREATER THAN 2 INCHES. SEEDING OVER ANY COMPACTED AREAS THAT HAVEN'T BEEN THOROUGHLY LOOSENED SHALL BE REJECTED.

10. SEED IS TO BE APPLIED USING A MECHANICAL DRILL TO A DEPTH OF 1/4 INCH. ROW SPACING SHALL BE NO MORE THAN 6 INCHES. MATERIAL USED FOR MULCH SHALL CONSIST OF LONG-STEMMED STRAW. AT LEAST 50 PERCENT OF THE MULCH, BY WEIGHT, SHALL BE I INCHES OR MORE IN LENGTH, MULCH SHALL BE APPLIED AND MECHANICALLY ANCHORED TO A DEPTH OF AT LEAST 2 INCHES, MULCH SHALL BE APPLIED AT A RATE OF 4000 LB, OF STRAW PER ACRE.

IF THE PERMITTEE DEMONSTRATES TO THE CITY THAT IT IS NOT POSSIBLE TO DRILL SEED, SEED IS TO BE UNIFORMLY BROADCAST AT TWO TIMES THE DRILLED RATE, THEN LIGHTLY HARROWED TO PROVIDE A SEED DEPTH OF APPROXIMATELY 1/4 INCH, THEN ROLLED TO COMPACT, THEN MULCHED AS SPECIFIED ABOVE.

SEEDING AND MULCHING SHALL BE COMPLETED WITHIN 30 DAYS OF INITIAL EXPOSURE OR 7
DAYS AFER GRADING IS SUBSTANTIALLY COMPLETE IN A GIVEN AREA (AS DEFINED BY THE
CITY). THIS MAY REQUIRE MULTIPLE MOBILIZATIONS FOR SEEDING AND MULCHING.

SEEDED AND MULCHED AREAS SHALL BE INSPECTED FOR REQUIRED COVERAGE MONTHLY
FOR A PERIOD OF TWO YEARS FOLLOWING INITIAL SEEDING. REPAIRS AND RE-SEEDING
AND MULCHING SHALL BE UNDERTAKEN AFTER THE FIRST GROWING SEASON FOR ANY
AREAS FAILING TO MEET THE REQUIRED COVERAGE.

2. NO BARE AREAS LARGER THAN 4 SQUARE FEET (TWO-FEET BY TWO-FEET OR

FREE FROM INFESTATION OF NOXIOUS WEEDS IN ACCORDANCE WITH SECTION 6.4 OF THE GESC CRITERIA MANUAL.

2. NO BARE AREAS LARGER THAN 4 SQUARE FEET (TWO-FEET BY TWO-FEET OR

FREE FROM INFESTATION OF NOXIOUS WEEDS IN ACCORDANCE WITH SECTION 6.4 OF THE GESC CRITERIA MANUAL.

RILL AND GULLY EROSION SHALL BE FILLED WITH TOPSOIL PRIOR TO RESEEDING. THE RESEEDING METHOD SHALL BE APPROVED BY THE CITY.

3. REQUIRED COVERAGE FOR TURF GRASS AREAS SHALL BE DEFINED AS FOLLOWS: 1. AT LEAST 80% VEGETATIVE COVER OF GRASS SPECIES PLANTED.

REQUIRED COVERAGE FOR STANDARD, OPEN SPACE AND LOW GROWTH SEED MIXES SHALL BE DEFINED AS FOLLOWS:

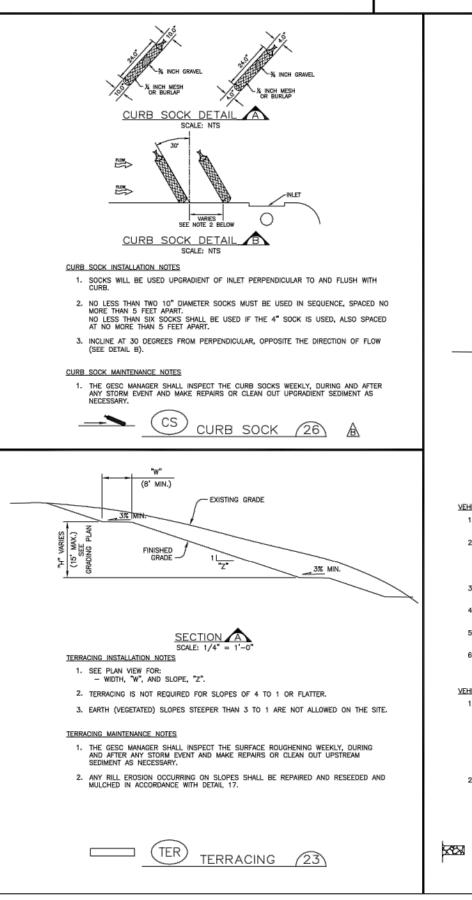
13. MULCH SHALL BE APPLIED WITHIN 24-HOURS OF SEEDING.

SEEDING AND MULCHING MAINTENANCE NOTES

3. FREE OF ERODED AREAS.

3. FREE OF ERODED AREAS.

14. TACKIFIER SHOULD BE UTILIZED TO HELP WITH STRAW DISPLACEMENT.



CITY OF LONE TREE PERMANENT DRILL SEEDING MIX

CHEYENNE

VAUGHN

ARRIBA

CRITANA

GOSHEN

LODORM

PRYOR

SODAR

LUNA

N/A

HACHITA

ARRIBA

CRITANA

SODAR

PNWS

PNWB

PNCS

PNCS

PNWS

PNCB

PNCB

PNCS

PICS

PICS

PNCS

PNCS

CITY OF LONE TREE TEMPORARY DRILL SEEDING MIX

CITY OF LONE TREE LOW-GROWTH DRILL SEEDING MIX

SPECIES

BIG BLUESTEM

YELLOW INDIANGRASS

SIDEOATS GRAMA

PRAIRIE SANDREED

GREEN NEEDLEGRASS

STREAMBANK WHEATGRASS

SPECIES

MOOTH BROMEGRASS

ANNUAL RYEGRASS

BLUE GRAMA

WESTERN WHEATGRASS

SIDEOATS GRAMA

NOTES % IN MIX POUNDS OF PLS PER ACRE.

EXISTING GROUND —

AT LEAST 11" OF SILT FENCE GEOTEXTILE SHALL BE BURIED -----

COMPACTED BACKFILL

POST SHALL BE JOINED AS SHOWN, THEN ROTATED 180' IN DIRECTION SHOWN AND DRIVEN INTO THE CROUND

SILT FENCE INSTALLATION NOTES

SILT FENCE MAINTENANCE NOTES

SEE PLAN VIEW FOR:

 LOCATION AND LENGTH OF FENCE.

JOINTS — SECTION B

ANCHOR TRENCH SHALL BE EXCAVATED WITH TRENCHER, OR WITH SILT FENCE INSTALLATION
MACHINE; NO ROAD GRADERS, BACKHOES, ETC. SHALL BE USED. TRENCH SHALL BE COMPACTED
BY HAND, WITH "JUMPING JACK", OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT
FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.

6-TO 12-GALLONS PER MINUTE PER SQUARE FOOT FLOW CAPACITY.
 90 LB, TENSILE STRENGTH PER ASTM D4622.
 UV DESIGN AT 500 HRS MIN. 70% STRENGTH RETAINED PER ASTM D 4355.

THE GESC MANAGER SHALL INSPECT SILT FENCE DAILY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.

SEDIMENT ACCUMULATED UPSTREAM OF SILT FENCE SHALL BE REMOVED WHEN THE UPSTREAM SEDIMENT REACHES A DEPTH OF 6-INCHES.

STOP SIGN PER MUTCD STANDARDS

SIGN "CONSTRUCTION ENTRANCE

3-6" RIPRAP OVER WOVEN GEOTEXTILE

SILT FENCE INDICATED ON INITIAL GESC PLAN SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.

3. SILT FENCE GEOTEXTILE SHALL MEET THE FOLLOWING REQUIREMENTS:

6" MIN. —

FLOW 😂

PNWS 10 1.1

10

10

10

5

TOTAL 9.2

TOTAL 13.4

20 3.2

TOTAL 11.0

0.6

5

NOTES % IN MIX POUNDS OF PLS
PER ACRE

PICS 30 3.9

30

30

AICB 10 0.8

NOTES % IN MIX POUNDS OF PLS
PER ACRE

PNCS 20 3.2

20

10

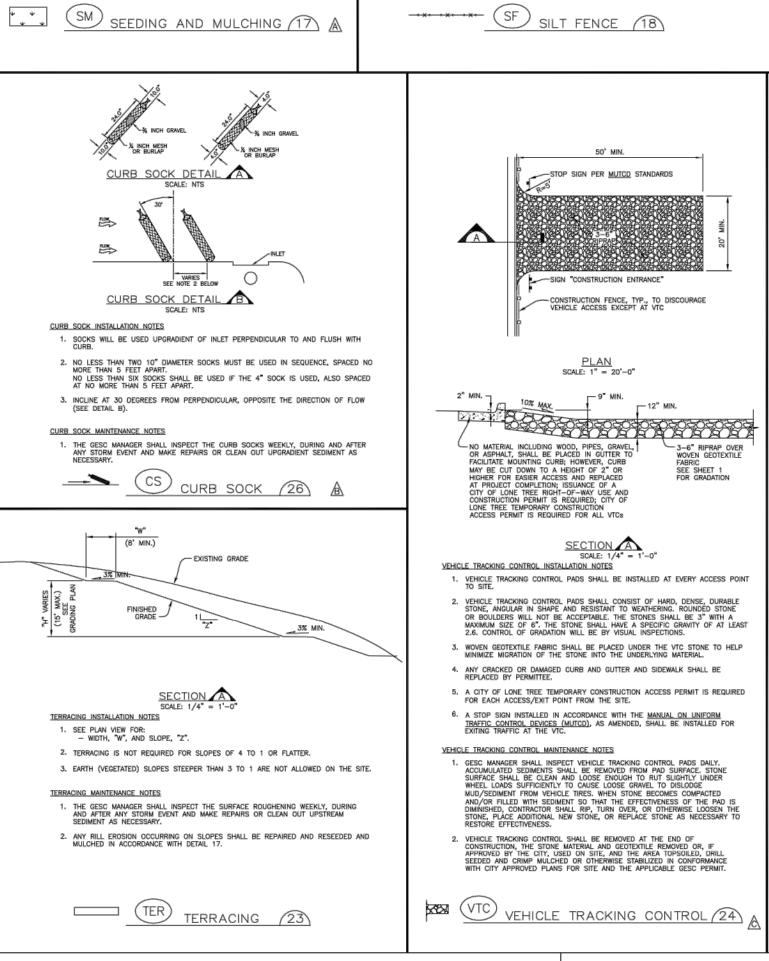
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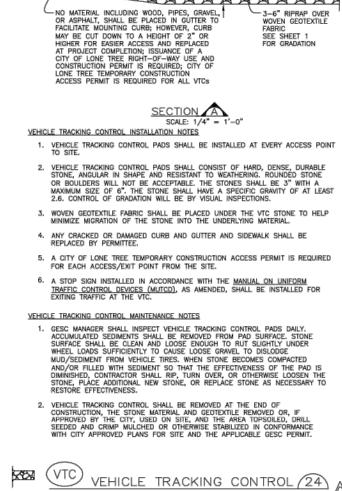
PNWB 20

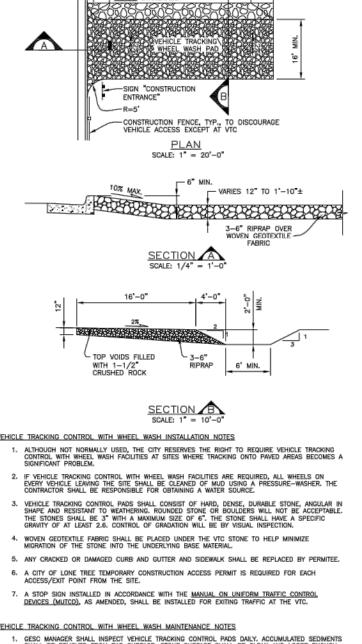
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PNWB 10







VTC AT CONSTRUCTION ENTRANCE SEE DETAIL 24

PAVED AREA

STABILIZED STAGING AREA INSTALLATION NOTES

STABILIZED STAGING AREA MAINTENANCE NOTES

PLAN SCALE: N.T.S.

SEE PLAN VIEW FOR GENERAL LOCATION OF STAGING AREA. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF STABILIZED STAGING AREA WITH CITY APPROVAL.

IF REQUIRED BY THE CITY, SITE ACCESS ROADS SHALL BE STABILIZED IN THE SAME MANNER AS THE STAGING AREA.

4. STAGING AREA SHALL BE STABILIZED PRIOR TO ANY OTHER OPERATIONS ON THE SITE.

THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM OF 3" OF GRANULAR MATERIAL (GRAVEL OR RECYCLED CONCRETE).

THE GESC MANAGER SHALL INSPECT THE STABILIZED STAGING AREA WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.

GESC MANAGER SHALL PROVIDE ADDITIONAL THICKNESS OF GRANULAR MATERIAL IF ANY RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.

4. ANY ACCUMULATED DIRT OR MUD SHALL BE REMOVED FROM THE SURFACE OF THE STABILIZED STAGING AREA.

5. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE CITY, USED ON SITE, AND THE AREA TOPSOILED, DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED.

SSA STABILIZED STAGING AREA 19 A

STOP SIGN PER

VEHICLE TRACKING CONTROL WITH WHEEL WASH INSTALLATION NOTES

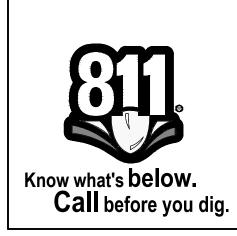
. GESC MANAGER SHALL INSPECT VEHICLE TRACKING CONTROL PADS DAILY, ACCUMULATED SEDIMENTS SHALL BE REMOVED FROM PAD SURFACE. STONE SURFACE SHALL BE CLEAN AND LOOSE ENOUGH TO RUT SLIGHTLY UNDER WHEEL LOADS SUFFICIENTLY TO CAUSE LOOSE GRAVEL TO DISLODGE MUD/SEDIMENT FROM VEHICLE TIRES. WHEN STONE BECOMES COMPACTED AND/OR FILLED WITH SEDIMENT SO THAT THE EFFECTIVENESS OF THE PAD IS DIMINISHED, CONTRACTOR SHALL RIP, TURN OVER, OR OTHERWISE LOOSEN THE STONE, PLACE ADDITIONAL NEW STONE, OR REPLACE STONE AS NECESSARY TO RESTORE EFFECTIVENESS. ACCUMULATED SEDIMENT IN THE WASHWATER/SEDIMENT TRAP SHALL BE REMOVED WHEN THE SEDIMENT DEPTH REACHES AN AVERAGE OF 12-INCHES. VEHICLE TRACKING CONTROL SHALL BE REMOVED AT THE END OF CONSTRUCTION, THE STONE MATERIAL AND GEOTEXTILE REMOVED OR, IF APPROVED BY THE CITY, USED ON SITE, AND THE AREA TOPSOLIED, DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN CONFORMANCE WITH CITY APPROVED PLANS FOR SITE AND THE APPLICABLE GESC PERMIT.

WW VTC WITH WHEEL WASH 25 A

GESC GRADING, EROSION, AND SEDIMENT CONTROL

GESC PLAN STANDARD NOTES AND DETAILS

SHEET 3 OF 3



Path: Q:\DEN\Projects\ CHRISTIAN.SCHILDER

2

Chick-fil-A

**5200 Buffington Road** Atlanta, Georgia 30349-2998



FOR AND AND ON-BEHALF OF MERRICK AND COMPANY

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ADI

**FSR#05190** 

BUILDING TYPE / SIZE: P13 LS LRG (MOD)

**REVISION SCHEDULE** 

<u>DATE</u> <u>DESCRIPTION</u>

CONSULTANT PROJECT # 65121141

REVIEW 08/18/23 KEA

**GESC DETAIL 3** 

SHEET NUMBER

C10.7