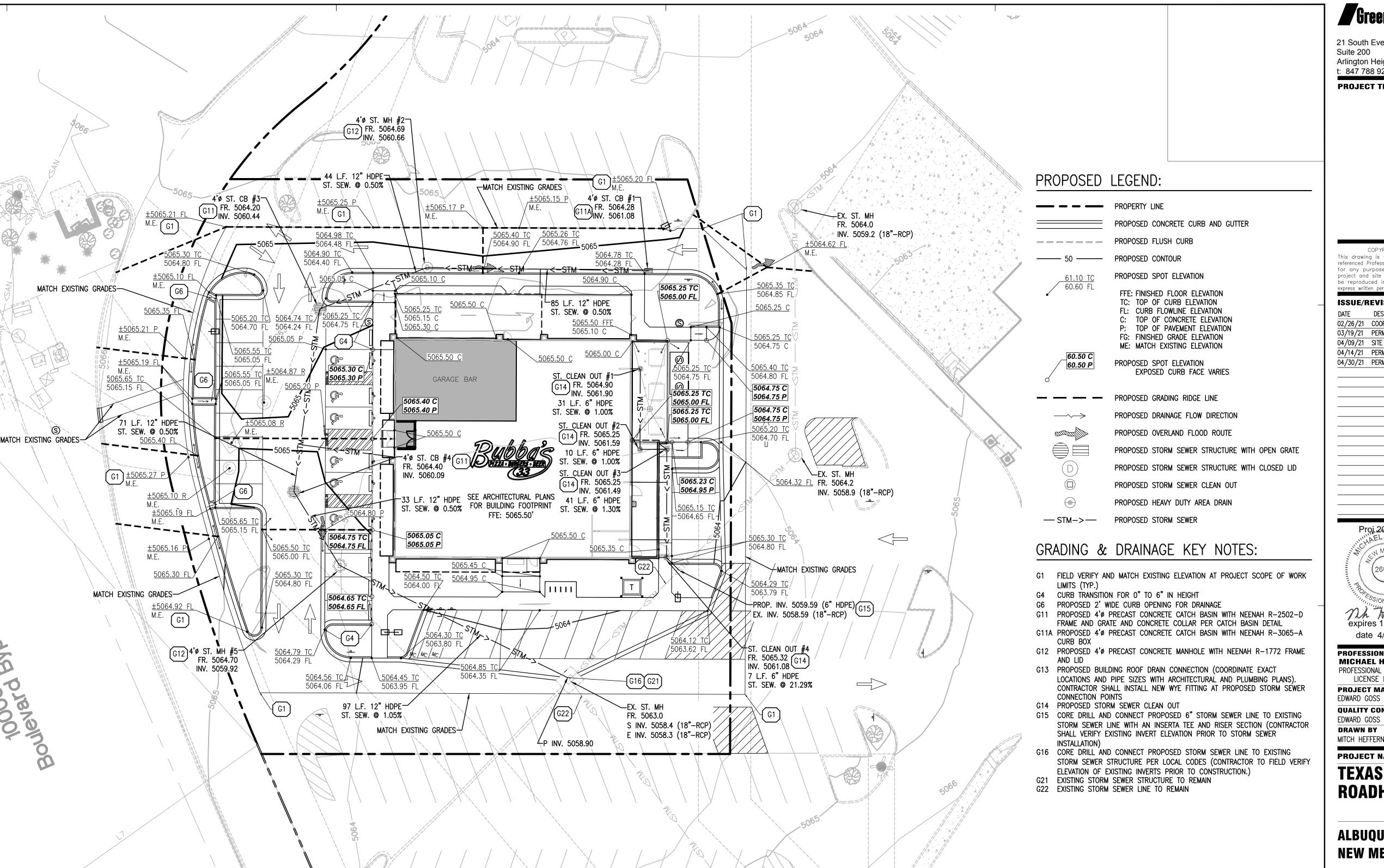
GENERAL GRADING NOTES: I. ALL GRADING AND SITE PREPARATION WORK SHALL CONFORM WITH THE RECOMMENDATIONS AND SPECIFICATIONS CONTAINED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL CAREFULLY PRESERVE ALL SITE BENCHMARKS AND REFERENCE POINTS DURING CONSTRUCTION OPERATIONS. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT G12 FR. 5064.69 INV. 5060.66 LEAST FORTY-EIGHT (48) HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED SITE IMPROVEMENTS SHOWN ON THE PLANS. CONTRACTOR SHALL INSTALL APPROPRIATE TREE PROTECTION MEASURES PRIOR TO . 44 L.F. 12" HDPE¬ COMMENCEMENT OF SITE GRADING OPERATIONS. 5. ALL PROPOSED GRADING, PAVEMENT, APRONS, CURBS, WALKS, ETC. SHALL MATCH ST. SEW. @ 0.50% \ MATCH EXISTING GRADES EXISTING GRADES FLUSH. 4'ø ST. CB #3~ 4'ø ST. CB #1-5. Contractor shall ensure positive drainage to all storm drainage G11 FR. 5064.20 G11A FR. 5064.28 INV. 5061.08 ±5065.17 STRUCTURES. AREAS OF SURFACE PONDING SHALL BE CORRECTED BY THE ンINV. 5060.44 CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. ALL EXISTING AND PROPOSED TOP OF FRAME ELEVATIONS FOR STORM, SANITARY <u>5064.98 T</u> WATER AND OTHER UTILITY STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED / 5064.76 F 5064.90 FL **-**5064.48 F GRADE WITHIN THE PROJECT LIMITS. 8. CONTRACTOR SHALL UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO 5064.40 FL 5064.28 FL REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL 5064.80 F BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE <u>5064.90 C</u> OWNER AND/OR ENGINEER. 5065.25 TC MATCH EXISTING GRADES-CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT 5065.00 FL CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC ¹85 L.F. 12" HDPE AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ST. SEW. @ 0.50% 5065.15 C OWNER AND/OR ENGINEER. 5064.75 5065.30 5064.70 FL 5064.24 FL 10. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION 5065.10 C LIMITS TO ORIGINAL CONDITION OR BETTER. 5065.05 P ≥ II. MAXIMUM CROSS SLOPES AND LONGITUDINAL SLOPES FOR ALL CONCRETE SIDEWALKS AND HANDICAP ACCESSIBLE ROUTES SHALL NOT EXCEED 2% AND 5%, 5065.50 C 5065.05 F 5065.40 TO 5065.30 C 12. MAXIMUM SLOPES WITHIN THE HANDICAP ACCESSIBLE PARKING AREAS SHALL NOT ST. CLEAN OUT #1-5065.30 P GARAGE BAR EXCEED 2% IN ANY DIRECTION. G14 FR. 5064.90 5065.15 13. MAXIMUM GRADE DIFFERENCE BETWEEN PAVEMENT SURFACES AND ADJACENT INV. 5061.90 CONCRETE SIDEWALKS FOR THE ACCESSIBLE ROUTE TO THE BUILDING SHALL NOT 5065.00 FL 31 L.F. 6" HDPE EXCEED 1/4" VERTICAL OR 1/2" WHEN BEVELED. 5065.40 P ST. SEW. @ 1.00% 5065.25 TC 14. ALL HANDICAP ACCESSIBLE EXTERIOR DOORWAY LOCATIONS REQUIRE AN EXTERIOR 5065.00 FL ST. CLEAN OUT #2-LANDING THAT IS A MINIMUM OF FIVE (5) FEET IN LENGTH WITH A SLOPE NOT ST. SEW. @ 0.50% G₁₄ FR. 5065.25 EXCEEDING 2% IN ANY DIRECTION. MATCH EXISTING GRADES-5064.70 FI INV. 5061.59 15. EXCAVATION SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF 10 L.F. 6" HDPE ST. SEW. @ 1.00% -4'ø ST. CB #4 G11 SUDDU FR. 5064.40 THE WORK AND FOR THE SAFETY OF PERSONNEL. SHORING SHALL BE IN ACCORDANCE WITH ALL O.S.H.A AND LOCAL REGULATIONS I6. ALL STRUCTURE BENCH WALLS SHALL BE SHAPED AND FORMED FOR A CLEAN ST. CLEAN OUT #3-INV. 5060.09 TRANSITION WITH PROPER HYDRAULICS TO ALLOW THE SMOOTH CONVEYANCE OF 5065.23 C G14 FR. 5065.25 FLOWS THROUGH THE MANHOLE OR BOX INLET. THE BENCH WALL SHALL FORM A INV. 5061.49 -33 L.F. 12" HDPE SEE ARCHITECTURAL PLANS 41 L.F. 6" HDPE DEFINED CHANNEL, TO A MINIMUM HEIGHT OF 80-PERCENT OF THE INSIDE ST. SEW. © 0.50% FOR BUILDING FOOTPRINT ST. SEW. © 1.30% DIAMETER OF THE INLET AND OUTLET PIPES TO FORM A "U" SHAPED CHANNEL, CONSTRUCTED AT A MINIMUM 1/2-INCH PER FOOT SLOPE TO THE FFE: 5065.50' **└** ├5064.65 MANHOLE WALL. 5065.15 5064.75 TC 17. ALL STORM WATER INLETS AND CATCH BASIN CASTINGS SHALL HAVE THE 5065.05 C 5065.30 TC WORDS "NO DUMPING, DRAINS TO STREAM", OR SIMILARLY APPROVED √<u>5064.75 FL</u>]' 5065.05 P 5064.80 FL MESSAGE, CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF 1" IN 5065.00 F HEIGHT. IN ADDITION, A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE <u>5065.45 C</u> -----5065.30 5064.80 18. SEE GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS. <u>0064.50 TC</u>, <u>5064.95 C</u> 5064.00 FL MATCH EXISTING GRADES-PROJECT BENCHMARKS: ±5064.92 F 5064.65 FL SITE BENCHMARKS: BM #1 ACS MONUMENT "10-B13"

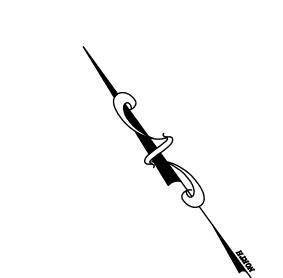
ELEVATION= 5074.478 (NAVD 88)

BM #2 ACS MONUMENT "8-B13" ELEVATION= 5059.673 (NAVD 88)

FLOOD NOTE:

PROJECT SITE DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD AREA AND IS LOCATED IN ZONE "X" AS SHOWN ON THE ABOVE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NUMBER 35001C0108G WITH AN EFFECTIVE DATE OF SEPTEMBER 26, 2008.





GRAPHIC SCALE (IN FEET)

1 inch = 20 ft.

21 South Evergreen Avenue Arlington Heights, IL 60005 t: 847 788 9200 f: 847 788 9537 **PROJECT TEAM**

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ISSUE/REVISION RECORD

DESCRIPTION 02/26/21 COORDINATION SET 03/19/21 PERMIT SET

04/09/21 SITE PLAN 04/14/21 PERMIT RESPONSE 04/30/21 PERMIT RESPONSE

> Proj. 20182050 (26056)

Mh Hoose expires 12/31/22

date 4/30/21

PROFESSIONAL IN CHARGE **MICHAEL HAAS**

PROFESSIONAL ENGINEER LICENSE NO. 26056

PROJECT MANAGER EDWARD GOSS **QUALITY CONTROL**

EDWARD GOSS **DRAWN BY** MITCH HEFFERNAN

PROJECT NAME

ROADHOUSE

ALBUQUERQUE NEW MEXICO

10000 COORS BYPASS NW ALBUQUERQUE, NM 87114



PROJECT NUMBER 20182050 0

SHEET TITLE

GRADING AND DRAINAGE PLAN

SHEET NUMBER