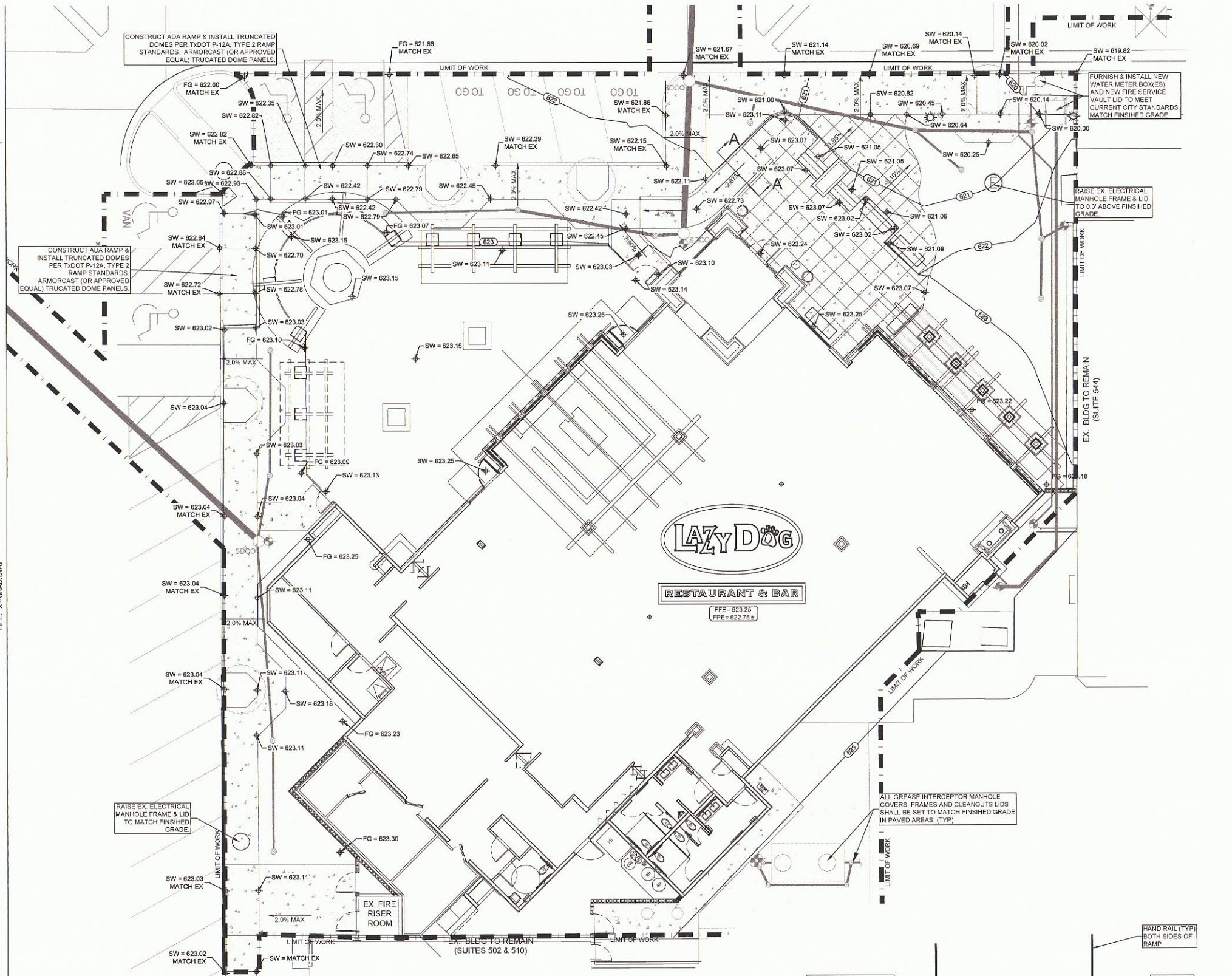


FILE: X-GRAD.DWG

PLOTTED: Thursday, January 23, 2014



GRADING NOTES

REFERENCE:
 GEOTECHNICAL EXPLORATION ON LAZY DOG RESTAURANT & BAR
 5100 BELT LINE ROAD
 ADDISON, TEXAS
 PREPARED BY:
 ALPHA TESTING, INC.
 2209 WISCONSIN STREET SUITE 100
 DALLAS, TEXAS 7529
 DATED: JUNE 30, 2014
 PROJECT NO. G141118

- BUILDING PAD PREPARATION:**
- AFTER COMPLETION OF THE NECESSARY STRIPING, CLEARING AND EXCAVATING AND PRIOR TO PLACING ANY REQUIRED FILL, THE EXPOSED SUBGRADE SHALL BE CAREFULLY EVALUATED BY PROBING AND TESTING. ANY UNDESIRABLE MATERIAL (ORGANIC MATERIAL, WET, SOFT, OR LOOSE SOIL) STILL IN PLACE SHALL BE REMOVED.
 - THE EXPOSED SOIL SUBGRADE SHALL BE FURTHER EVALUATED BY PROOF-ROLLING WITH A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK OR SIMILAR EQUIPMENT WEIGHING APPROXIMATELY 10 TONS TO CHECK FOR POCKETS OF SOFT OR LOOSE MATERIAL HIDDEN BENEATH A THIN CRUST OF BETTER SOILS.
 - PROOF-ROLLING PROCEDURES SHALL BE OBSERVED ROUTINELY BY A PROFESSIONAL ENGINEER OR HIS DESIGNATED REPRESENTATIVE.
 - ANY UNDESIRABLE MATERIAL (ORGANIC MATERIAL, WET, SOFT, OR LOOSE SOIL) EXPOSED DURING THE PROOF-ROLL SHALL BE REMOVED AND REPLACED WITH WELL-COMPACTED MATERIAL AS OUTLINED IN THE GEOTECHNICAL INVESTIGATION.
 - PRIOR TO PLACEMENT OF ANY FILL, THE EXPOSED SUBGRADE SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 6-INCHES AND RECOMPACTED TO 95% MAXIMUM DRY DENSITY PER ASTM D 698.

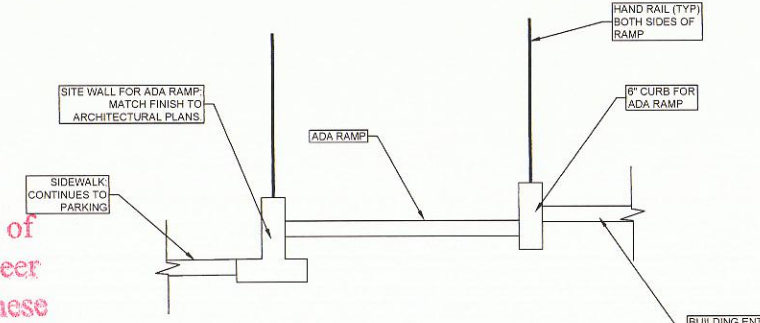
- FILL COMPACTION REQUIREMENTS:**
- ANY IMPORT MATERIAL OR PROPOSED FILL SHALL BE EVALUATED IN-SITU AT THE SOURCE, BY THE GEOTECHNICAL ENGINEER OF RECORD, FOR THE PROJECT PRIOR TO THE MATERIAL BEING BROUGHT TO THE SITE. CONTRACTOR SHALL COORDINATE ANY REQUIRED TESTING WITH THE GEOTECHNICAL ENGINEER.
 - FILL MATERIALS SHALL BE SELECT, NON-EXPANSIVE MATERIAL WITH A LIQUID LIMIT LESS THAN 35, A PLASTICITY INDEX (PI) NOT LESS THAN 4 NOR GREATER THAN 15 AND SHALL NOT CONTAIN MORE THAN 0.5 PERCENT FIBROUS ORGANIC MATERIALS BY WEIGHT.
 - ALL SELECT MATERIAL SHALL NOT CONTAIN DELETERIOUS MATERIALS AND SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER ASTM D 698 AND WITHIN 1 PERCENTAGE POINT BELOW TO 3 PERCENTAGE POINTS ABOVE THE MATERIAL'S OPTIMUM MOISTURE CONTENT.
 - COMPACTION SHALL BE ACCOMPLISHED BY PLACING FILL IN APPROXIMATELY 8-INCH THICK, LOOSE LIFTS AND COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY.
 - FIELD DENSITY AND MOISTURE CONTENT TESTS SHALL BE PERFORMED ON EACH LIFT. A MINIMUM OF ONE TEST PER 5,000 SF PER LIFT IS REQUIRED IN BUILDING AREAS.
 - UTILITY TRENCH BACKFILL SHALL BE TESTED AT A RATE OF ONE TEST PER EACH 300 LINEAR FEET OF TRENCH.
 - IN CASES WHERE MASS FILLS OR UTILITY LINES ARE MORE THAN 10 FEET DEEP, THE FILL/BACKFILL BELOW 10 FEET SHALL BE COMPACTED TO AT LEAST 100% MAXIMUM DRY DENSITY PER ASTM D 698 AND WITHIN 2 PERCENTAGE POINTS OF THE MATERIAL'S OPTIMUM MOISTURE CONTENT. THE PORTION SHALLOWER THAN 10 FEET MAY BE COMPACTED PER 95% MAXIMUM DRY DENSITY OUTLINED IN THE NOTES ABOVE.
 - SUBMITTALS: CONTRACTOR SHALL PROVIDE COPIES OF THE GEOTECHNICAL TESTING REPORTS FOR ALL PAD PREPARATION, PAVING, AND UTILITY TRENCH WORK. SUBMITTALS SHALL GO TO: LAZY DOG'S PROJECT MANAGER, VOP'S PROJECT MANAGER, AND THE PROJECT ARCHITECT/ENGINEER.

ACCESSIBILITY NOTES

- COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2009 EDITION) FOR ALL SITE IMPROVEMENTS.
- CURB RAMPS, DETECTABLE WARNING SURFACES, AND ACCESSIBILITY FOR THE PROJECT SITE SHALL CONFORM TO TEXAS ACCESSIBILITY STANDARDS (TAS).
- MAXIMUM CROSS SLOPE ON WALKWAYS SHALL BE 1.5%.
- NO CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ALLOWED WITHOUT A CURB RAMP. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- CATCH BASIN AND DRAIN INLET GRATES SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
- CURB RAMPS SHALL BE REQUIRED WHENEVER ACCESSIBLE ACCESS ROUTES CROSS A CURB.
- ACCESSIBLE RAMPS AND HANDRAILS SHALL BE REQUIRED WHENEVER SLOPE EXCEEDS 5.0%. MAXIMUM SLOPE SHALL BE 8.33% WITH LEVEL LANDINGS INSTALLED AT TOP AND BOTTOM OF EACH RUN EQUAL TO THE WIDTH OF THE RAMP, 60"X80" MINIMUM, AND INTERMEDIATE LANDINGS AT INTERVALS NOT TO EXCEED 30' OF VERTICAL RISE. BOTTOM LANDINGS AND INTERMEDIATE LANDINGS WITH DIRECTION CHANGES IN EXCESS OF 30 DEGREES SHALL BE MINIMUM 72" IN THE DIRECTION OF TRAVEL. RAMPS AND LANDINGS WITH VERTICAL SIDE DROP-OFF SHALL HAVE WALLS, RAILINGS, PROTECTIVE SURFACES OR MINIMUM 2" HIGH CURBS.
- ALL STAIRS SHALL HAVE A 2" WIDE SLIP RESISTANT, CONTRASTING COLOR STRIPE AND DETECTABLE WARNING, 1" MAXIMUM FROM NOSING ON ALL TREADS.
- ALL PAVEMENT CROSS SLOPES (SLOPES PERPENDICULAR TO THE DIRECTION OF TRAVEL) SHALL BE A MAXIMUM OF 1.5%. ALL RAMPS SHALL HAVE A MAXIMUM SLOPE OF 8.33%. ALL LANDINGS AT STAIRS AND RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1.5% (BOTH DIRECTIONS). ALL WALKWAYS SHALL HAVE A MAXIMUM SLOPE LESS THAN 5.0% IN THE DIRECTION OF TRAVEL. ALL MAXIMUM SLOPES ARE ABSOLUTE AND SUPERSEDE CONSTRUCTION TOLERANCES STATED IN THE PROJECT SPECIFICATIONS OR ELSEWHERE. THE CONTRACTOR HAS THE OPTION OF ADJUSTING GRADES TO ALLOW FOR CONSTRUCTION TOLERANCE BUT SHALL NOT ADJUST GRADES TO LESS THAN 1% SLOPES OR GREATER THAN 1.5%. THE CONTRACTOR SHALL CONTACT THE ARCHITECT REGARDING ANY GRADE REVISIONS PRIOR TO CONSTRUCTION OF PAVEMENT AREAS. THE PAVEMENT SLOPES WILL BE REVIEWED AFTER CONSTRUCTION AND PAVEMENT OVER THE MAXIMUM SLOPES SPECIFIED ABOVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- REFER TO ADDISON STANDARD DRAWINGS SD-P37 FOR ADDITIONAL NOTES ASSOCIATED WITH PEDESTRIAN FACILITIES.

GRADING LEGEND

- (660) PROPOSED CONTOURS
- SW= XXX.XX SPOT ELEVATION (FT)
- SW = XXX.XX ADA SPOT ELEVATION (FT)
- PROPOSED CONCRETE SIDEWALK
- LIMIT OF WORK / DISTURBANCE
- MATCH EX MATCH EXISTING



SECTION A-A NTS

APPROVED FOR CONSTRUCTION

Town of Addison

Infrastructure Operations And Services Department

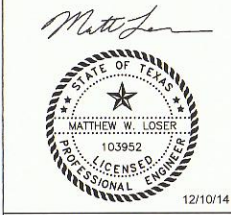
APPROVED BY: *[Signature]*

DATE: 12/17/14

16801 Westgrove Dr. Addison, TX 75001 (972)450-2871

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

2267 MORNING MESA
 HENDERSON, NV 89052
 702.551.2005
 info@valley-cdg.com
 TBPE Firm No. 14469



Revision Schedule		
Rev	Date	Description
	10 DEC 14	PLAN CHECK COMMENTS



PROJECT NAME: LAZY DOG RESTAURANT & BAR
 PROJECT ADDRESS: VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004
 ISSUE DATE: 10-22-2014

SHEET TITLE: GRADING PLAN

SHEET NUMBER:

C2.0