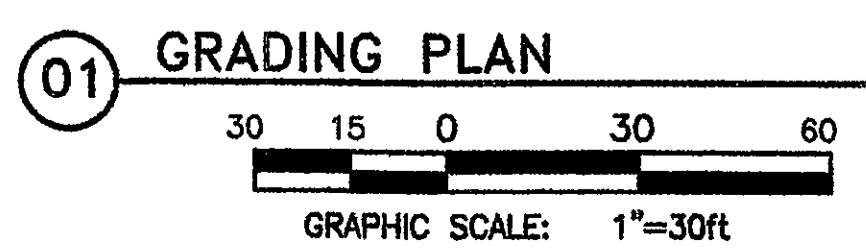


BENCHMARKS				
MARK	DESCRIPTION	ELEV.	N	E
BM1	SQUARE CUT OF THE SOUTHWEST TOP OF CURB CORNER THE BACK SIDE PARKING LOT AT 15950 MIDWAY ROAD	637.75'		
CM1	"X" CUT ON CONCRETE, ALSO BEING THE SOUTHWEST PROPERTY CORNER OF LOT 1, BLOCK A	647.37'	1000.0000	1000.0000
CM2	NORTHWEST PROPERTY CORNER OF THE 0.528 ACRE TRACT, BEING A DISTANCE OF 515.80' NORTH OF THE SOUTHWEST PROPERTY CORNER OF LOT 1, BLK A		1515.8000	1000.0000

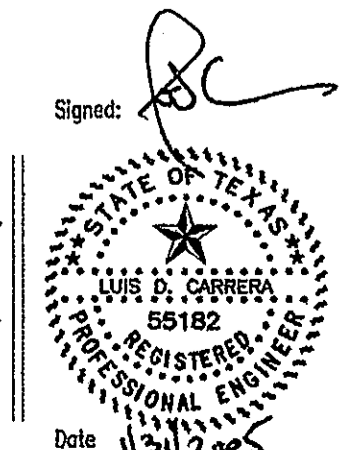
NOTE:
 1. ALL TOPOGRAPHIC ELEVATIONS ARE BASED ON BENCHMARK "BM1".
 2. NORTHERLY AND EASTERLY BEARINGS NOTED ABOVE ARE FOR HORIZONTAL CONTROL.

PLAN LEGEND			
	= EXIST. DRAINAGE FLOW		= EXISTING FIRE HYDRANT
	= NEW DRAINAGE FLOW		= EX. WASTEWATER MANHOLE
	= EXIST. CONTOUR ELEV		= NEW FIRE HYDRANT
	= NEW GRADING CONTOUR		= NEW WW MANHOLE
	= NEW PAVING CONTOUR		= NEW STORM DRAIN MH
	= EXIST. SPOT ELEVATION		= WATER METER
	= NEW SPOT ELEVATION		= TWO-WAY WW CLEANOUT
	= DRAINAGE DIVIDE		= WATER MAIN VALVE
	= DBL DETECTOR CHECK VAULT		= TEE CONNECTION
			= STORM DRAIN INLET

- GENERAL PLAN NOTES
- SEE SHEET C600 FOR GENERAL CIVIL NOTES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND MARK THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
 - ALL WORK SHALL BE DONE TO THE LINES, GRADES, AND ELEVATIONS SHOWN ON THESE DRAWINGS. BASIC HORIZONTAL AND VERTICAL CONTROL POINTS, ESTABLISHED BY THE ENGINEER ARE SHOWN ON THESE PLANS. THESE POINTS SHALL BE USED AS DATUM FOR WORK UNDER THIS CONTRACT. ALL ADDITIONAL SURVEY, LAYOUT, OR MEASUREMENT WORK SHALL BE PERFORMED BY THE CONTRACTOR AS A PART OF THE WORK UNDER THIS CONTRACT.
 - IMPORTED FILL MATERIAL USED UNDER PAVEMENTS, SHALL CONSIST OF LOW PLASTICITY MATERIAL HAVING A PLASTICITY INDEX (PI) BETWEEN 5 AND 15, A LIQUID LIMIT LESS THAN 40, AND CONTAINING A MINIMUM OF 15% FINES (MATERIAL PASSING THE 200 SIEVE). ALL FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8-INCHES IN THICKNESS AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY WITHIN PLUS OR MINUS 2% OF OPTIMUM MOISTURE CONTENT. THE ON-SITE MATERIAL MEETING THE SPECIFICATIONS OF THIS GENERAL NOTE, MAY BE USED UNDER PAVEMENTS.
 - ON-SITE MATERIAL NOT MEETING THE SPECIFICATIONS OF EARTHWORK NOTE 1, MAY BE USED AS FILL IN ALL AREAS EXCEPT BENEATH PAVEMENT AREAS, EXCLUDING SIDEWALKS. LIMESTONES MAY BE USED AS FILL PROVIDED THEY ARE PROPERLY PULVERIZED TO A MAXIMUM SIZE OF 4-INCHES IN DIAMETER, WITH AT LEAST 50-PERCENT PASSING A NUMBER 4 SIEVE.
 - PAVEMENT SUBGRADE PREPARATION SHALL BE PERFORMED AS FOLLOWS:
 - STRIP THE TOP LAYER OF TOPSOIL, VEGETATION, AND HEAVY ROOT MATERIAL TO A STRIPPING DEPTH OF TWO TO FOUR INCHES AND THEN PROOF ROLL TO VERIFY STABILITY. ANY SOFT OR YIELDING AREAS SHOULD BE UNDERCUT TO FIRM MATERIAL AND REPLACED WITH CONTROLLED MOISTURE CONTENT AND DENSITY.
 - AFTER PROOF ROLLING, THE SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 8-INCHES, AND THEN MIX IN HYDRATED LIME AT AN APPLICATION RATE OF 8% HYDRATED LIME BY DRY SOIL WEIGHT.
 - THE HYDRATED LIME SHOULD MEET THE REQUIREMENTS OF ITEM 264 (TYPE A) IN THE TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES. THIS LIME SHOULD BE THOROUGHLY MIXED AND BLENDED WITH THE TOP 6-INCHES OF SUBGRADE TO AT LEAST 95-PERCENT OF ITS MAXIMUM STANDARD PROCTOR DRY DENSITY. THE MOISTURE CONTENT OF THE LINE MODIFIED MATERIAL AT THE TIME OF COMPACTION SHOULD BE WITHIN A RANGE OF MINUS 2 TO PLUS 4 PERCENT (-2% TO +4%) OF ITS OPTIMUM VALUE. MIXING, CURING AND COMPACTION OF THE LIME MODIFIED LAYER IS DESCRIBED IN ITEM 260 OF THE PREVIOUSLY MENTIONED TxDOT STANDARD SPECIFICATIONS.
 - NONEXPANSIVE SELECT FILL MATERIAL SHALL BE PROVIDED TO OBTAIN THE REQUIRED FINISH GRADE ELEVATION, WITHOUT THE USE OF LEVELING SAND OR SAND CUSHION. THE USE OF SAND CUSHION FOR SUBGRADE LEVELING PURPOSES IS PROHIBITED.
 - SELECT FILL SHOULD BE PLACED IN 8-INCH MAX LOOSE LIFTS AND UNIFORMLY COMPACTED TO A MINIMUM OF 95-PERCENT OF STD PROCTOR DENSITY WITHIN MINUS 1 TO PLUS 3-PERCENT (-1% TO +3%) OF THE SOIL'S OPTIMUM MOISTURE CONTENT.
 - THE SUBGRADE SHALL BE MAINTAINED IN A SMOOTH, COMPACTED CONDITION, IN CONFORMITY WITH THE REQUIRED PAVEMENT SECTION AND ESTABLISHED GRADE, UNTIL THE PAVEMENT IS PLACED, & SHALL BE KEPT WETTED DOWN SUFFICIENTLY IN ADVANCE OF PLACING ANY PAVEMENT TO ENSURE ITS BEING IN A FIRM AND MOIST CONDITION FOR AT LEAST TWO INCHES BELOW SURFACE OF THE PREPARED SUBGRADE. ONLY SUCH SUBGRADE AS IS NECESSARY FOR THE SATISFACTORY PROTECTION OF THE WORK SHALL BE COMPLETED AHEAD OF THE PLACEMENT OF PAVEMENT. PROVIDE COMPLETE DRAINAGE OF THE SUBGRADE AT ALL TIMES.
 - THE NEW GRADING CONTOURS SHOWN THIS SHEET ARE "APPROXIMATE" TOP OF SUBGRADE AND ARE INTENDED TO SHOW THE DIFFERENCE IN EXISTING ELEVATIONS TO THE NEW ELEVATIONS. USE THE PAVING CONTOURS SHOWN ON SHEET C401 FOR CONSTRUCTION STAKING AND TO FINISH GRADE.

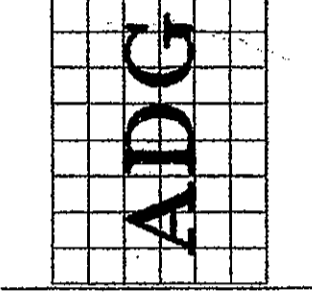


CARRERA consulting engineers, inc.
 Structural, Civil, & Construction Engineering
 3930 Meredith Avenue Dallas, Texas 75211
 Tel: (214) 330-4771 Fax: (214) 330-2167



EXPIRATION DATE:
 AFFIXATION DATE:

Addison Design Group, LLC
 Architecture - Interior Architecture
 1750 North Collins Blvd, Suite 214
 Richardson, Texas 75080
 Tel: (972) 437-4611 Fax: (972) 671-0191



AIRCORP
15900 DOOLEY ROAD
 ADDISON, TEXAS

Job No. 00018

Plan No.

Date 31 JAN 2005

Drawn By Ccei

Revisions
 △
 △
 △

Sheet Title
GRADING PLAN

Sheet No.

C400

of 15