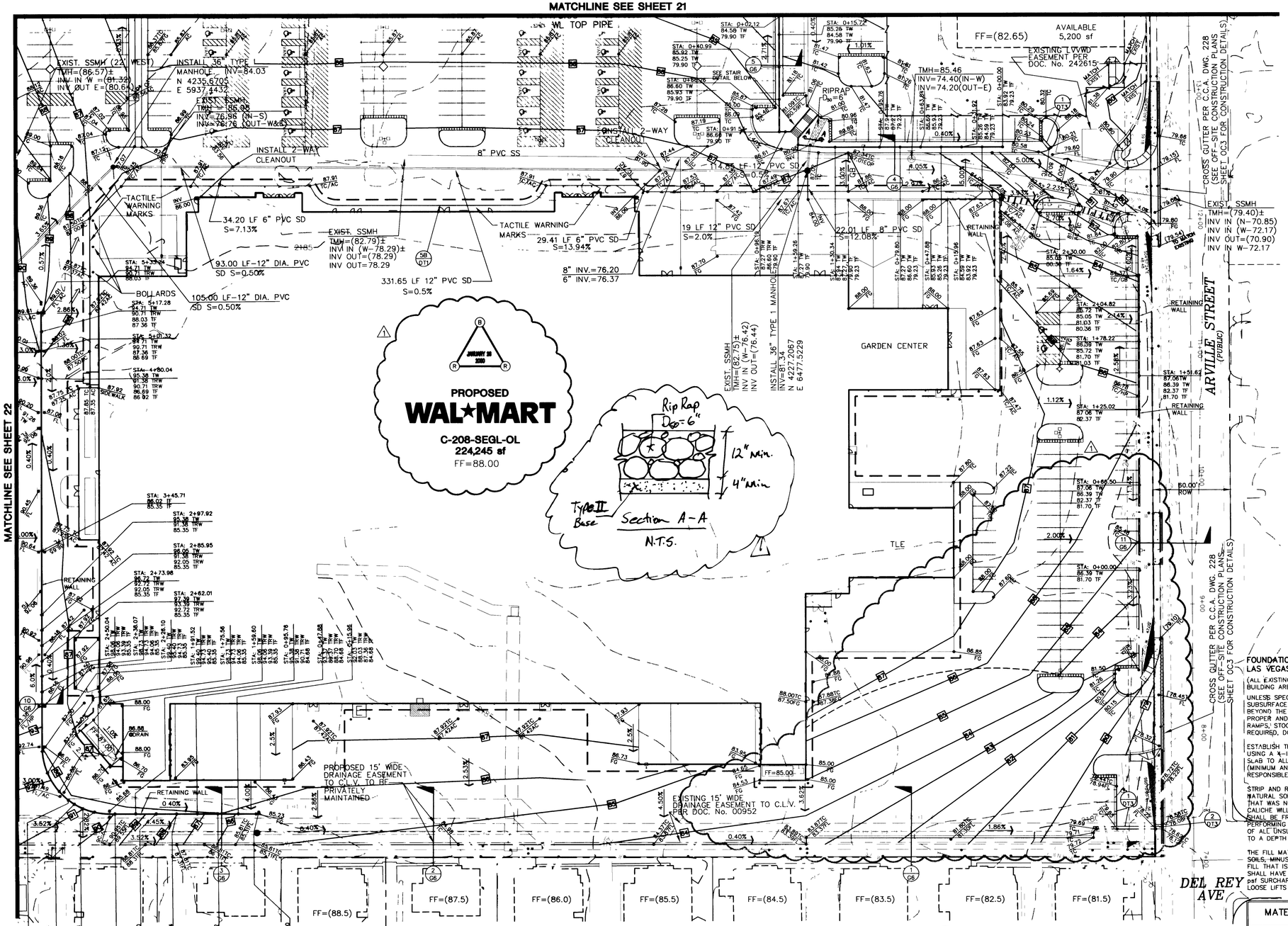
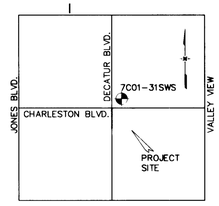
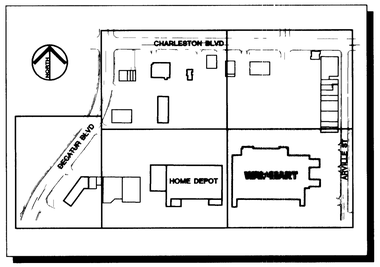




BENCH MARK LOCATION

NOT TO SCALE



KEY MAP

N.T.S.

LEGEND

- BOUNDARY OR PROJECT LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- LOT SETBACK LINE
- STA — CENTERLINE AND STATIONING
- EASEMENT LINE
- BACK OF CURB
- EDGE OF PAVEMENT
- RETAINING WALL
- 1420 — EXIST. INDEX CONTOUR
- EXIST. INTER CONTOUR
- TOP (LOT LINE) / TOE — SCARP LINE
- ELEV DISC — SPOT ELEVATION
- 2.0% — FLOW DIRECTION WITH GRADE
- 39 — PROPOSED FINISHED CONTOUR

(00.0) = FINISHED PAD ELEVATION
FF = FINISHED FLOOR ELEVATION
FG = FINISHED GRADE ELEVATION
TC = TOP OF CURB ELEVATION
TC/AC = 0" CURB FACE

CDS= CUL-DE-SAC
TW = TOP OF WALL
TRW= TOP OF RETAINING WALL
TF = TOP OF FOOTING

S.V.R.Z. *SIGHT VISIBILITY RESTRICTION ZONE (NO LANDSCAPING OR SIGHT RESTRICTING IMPROVEMENTS TALLER THAN 24" ABOVE ADJACENT TOP OF CURB ALLOWED) TO BE PRIVATELY MAINTAINED*

FOUNDATION SUBSURFACE PREPARATION – WESTLAND FAIR SHOPING CENTER LAS VEGAS, NV (SOUTHEAST CORNER–CHARLESTON BLVD. & DECATUR BLVD.)

(ALL EXISTING BUILDING SLABS, FOOTINGS AND FOUNDATIONS SHALL BE COMPLETELY REMOVED FROM THE BUILDING AREA PRIOR TO BEGINING THE PAD PREPARATION)

UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS AND/OR SPECIFICATIONS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH AND 5 FEET BEYOND THE BUILDING AND APPURTENANCES. APPURTENANCES ARE THOSE ITEMS ATTACHED TO THE BUILDING PROPER AND TYPICALLY INCLUDE, BUT NOT LIMITED TO THE BUILDING SIDEWALKS, GARDEN CENTER, PORCHES, RAMPS, STOOPS, TRUCK/WELL DOCKS, COMPACTOR PAD, ETC. THE SUBBASE AND THE VAPOR BARRIER, WHEN REQUIRED, DOES NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING AND APPURTENANCES.

ESTABLISH THE FINAL SUBGRADE ELEVATION AT 16 INCHES BELOW THE FINISHED CONCRETE ELEVATION WHEN USING A 4-INCH SLAB, OR 17.5 INCHES BELOW FINISHED CONCRETE ELEVATION WHEN USING A 5.5-INCH SLAB TO ALLOW FOR THE SLAB THICKNESS AND 12 INCHES OF TYPE II AGGREGATE BASE. A VISQUEEN MEMBRANE (MINIMUM 8 MIL) SHALL BE PLACED AT MID HEIGHT IN THE TYPE II MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE MEASUREMENTS OF ALL CUT AND FILL DEPTHS REQUIRED.

STRIP AND REMOVE EXISTING VEGETATION, DEBRIS, UNCONTROLLED FILL ALL LOOSE, SOFT FIRM OR DISTURBED NATURAL SOILS, AND OTHER DELETERIOUS MATERIALS. UNCONTROLLED FILL IS DEFINED AS ANY EXISTING FILL THAT WAS NOT PROPERLY PLACED, OBSERVED AND TESTED. EXCAVATIONS PENETRATING HARD OR VERY HARD CALICHE WILL REQUIRE SPECIAL CONSIDERATION WHERE THEY ARE TO BE PERFORMED. ALL EXPOSED SURFACES SHALL BE FREE OF MOUNDS AND DEPRESSIONS, WHICH COULD PREVENT UNIFORM COMPACTION. AFTER PERFORMING REQUIRED EXCAVATIONS, THE EXPOSED SOILS SHALL BE CAREFULLY OBSERVED TO VERIFY REMOVAL OF ALL UNSUITABLE DEPOSITS AND ALL LOOSE OR FIRM SOILS. EXPOSED SOILS SHALL THEN BE SCARIFIED TO A DEPTH OF 6 INCHES, WATERED AS NECESSARY, AND COMPACTED AS RECOMMENDED.

THE FILL MATERIALS SHALL BE SOILS APPROVED BY THE OWNER'S GEOTECHNICAL REPRESENTATIVE ON-SITE SOILS, MINUS ANY DEBRIS, OVERSIZED MATERIAL (GREATER THAN 6 INCHES) OR ORGANIC MATER, OR IMPORTED FILL THAT IS COMPATIBLE WITH ON SITE SOILS MAY BE USED IN REQUIRED FILLS. IMPORTED FILL MATERIAL SHALL HAVE NO MORE THAN 40% PASSING THE NO. 200 SIEVE, AN EXPANSION POTENTIAL LESS THAN 10% (60% psf SURCHARGE), AND A MAXIMUM SODIUM SULFATE CONTENT OF 0.20%. COMPACTED FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8-INCHES IN THICKNESS. ALL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING:

MATERIAL	PERCENT COMPACTION (ASTM D1557)	MOISTURE CONTENT
FINE-GRAINED	90 MINIMUM	+2 PERCENT OVER OPTIMUM (MINIMUM)
GRANULAR	95 MINIMUM	-2 PERCENT OF OPTIMUM (MINIMUM)

NOTE: ALL FILL PLACED DEEPER THAN 5 FEET BELOW FINAL GRADE SHALL BE COMPACTED TO A MINIMUM OF 95%

FINE-GRAINED SOILS ARE SOILS WITH AT LEAST 30% PASSING THE NO. 200 SIEVE AND/OR SOILS WITH AN EXPANSION POTENTIAL GREATER THAN 4%

THE FOUNDATION SYSTEM SHALL BE CONTINUOUS STRIP FOOTINGS AT THE WALLS AND ISOLATED SPREAD FOOTINGS AT COLUMN LOCATIONS.

THIS FOUNDATION SUBSURFACE PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. INFORMATION COVERED IN THIS PREPARATION GOVERNS OVER THE CONTRACT SPECIFICATIONS. REFER TO THE SITE WORK SPECIFICATIONS AND THE GEOTECHNICAL REPORT BY TERRACON, INC. DATED APRIL 24, 2000, PROJECT NO. 64005056, FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION. THE GEOTECHNICAL REPORT IS FOR INFORMATION ONLY AND IS NOT CONSIDERED AS A DESIGN SPECIFICATION.

BASIS OF BEARINGS

NORTH 894°09" WEST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE IN BOOK 14, PAGE 65 OF PLATS, IN THE CLARK COUNTY RECORDERS' OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

RIVET AND SQUARE ALUMINUM PLATE IN TOP OF CURB, NORTHEAST CORNER OF CHARLESTON BOULEVARD AND DECATUR BOULEVARD. NEAR THE PC OF CHARLESTON BOULEVARD. STATION 7C01-31SWS, 670.291 METERS, 2199.11 FEET

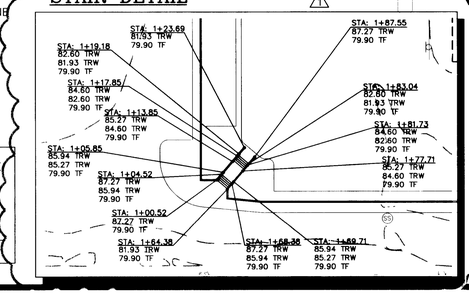
NOTES

1. ALL SCARPED AREAS SHALL HAVE A MINIMUM 1 FOOT BENCH FROM PROPERTY LINE OR WALLS PRIOR TO THE START OF ANY SLOPES.
2. INSTALLATION OF ALL SIDEWALKS AND RAMPS SHALL CONFORM TO THE ADA REQUIREMENTS.
3. ADD 2100 FEET TO ALL SPOT ELEVATIONS.
4. SEE SHEET C2 FOR VICINITY MAP
5. HANDICAPPED ACCESS ISLE TO BE GRADED WITH A MAXIMUM LONGITUDINAL SLOPE 5.0% AND MAXIMUM TRANSVERSAL SLOPE OF 2.0%

I CERTIFY THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS PROJECT ON FILE AT THE CITY OF LAS VEGAS.

ENGINEER — DATE 7/10/01

STAIR DETAIL



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch 40 ft

SAFETY ALERT
Call Before You Overhead
1-702-593-6111

Avoid cutting underground utility lines It's costly
Call before you Dig
1-800-227-2600

REV	DATE	BY	REVISION
	4/23/01	CPT	REVISIONS PER CITY, ARCHITECT, AND OWNER

COMMENTS

WEINGARTEN REALTY INVESTORS
2600 Citadel Plaza Drive
Houston, Texas 77008

Kimley-Horn and Associates, Inc. ©2001
Engineering, Planning, and Environmental Consultants
1050 East Flamingo Road Suite 5-E Las Vegas, Nevada 89119
Tel No (702) 734-5666
Fax No (702) 735-4949

GRADING PLAN SHEET ONE

WESTLAND FAIR - PHASE ONE LAS VEGAS, NEVADA

DRAWN BY TA / JAR	3/01	
DESIGNED BY TK / CPT	3/01	
CHECKED BY DOW	3/01	
PROJECT NO 092290000	SCALE 1" = 40'	

PROFESSIONAL ENGINEER - STATE OF NEVADA
CARSON P. TURNER
CIVIL
No. 11759
6/28/01

SHEET G1
20 OF 54 SHEETS

DRAWING NO. 107-V3415

Rep lot

33370