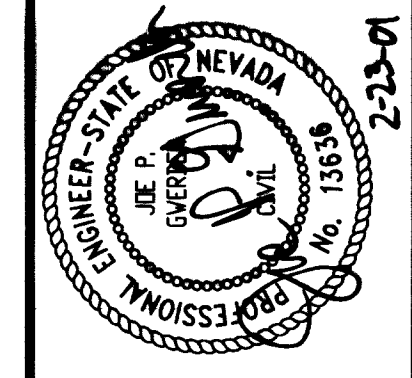
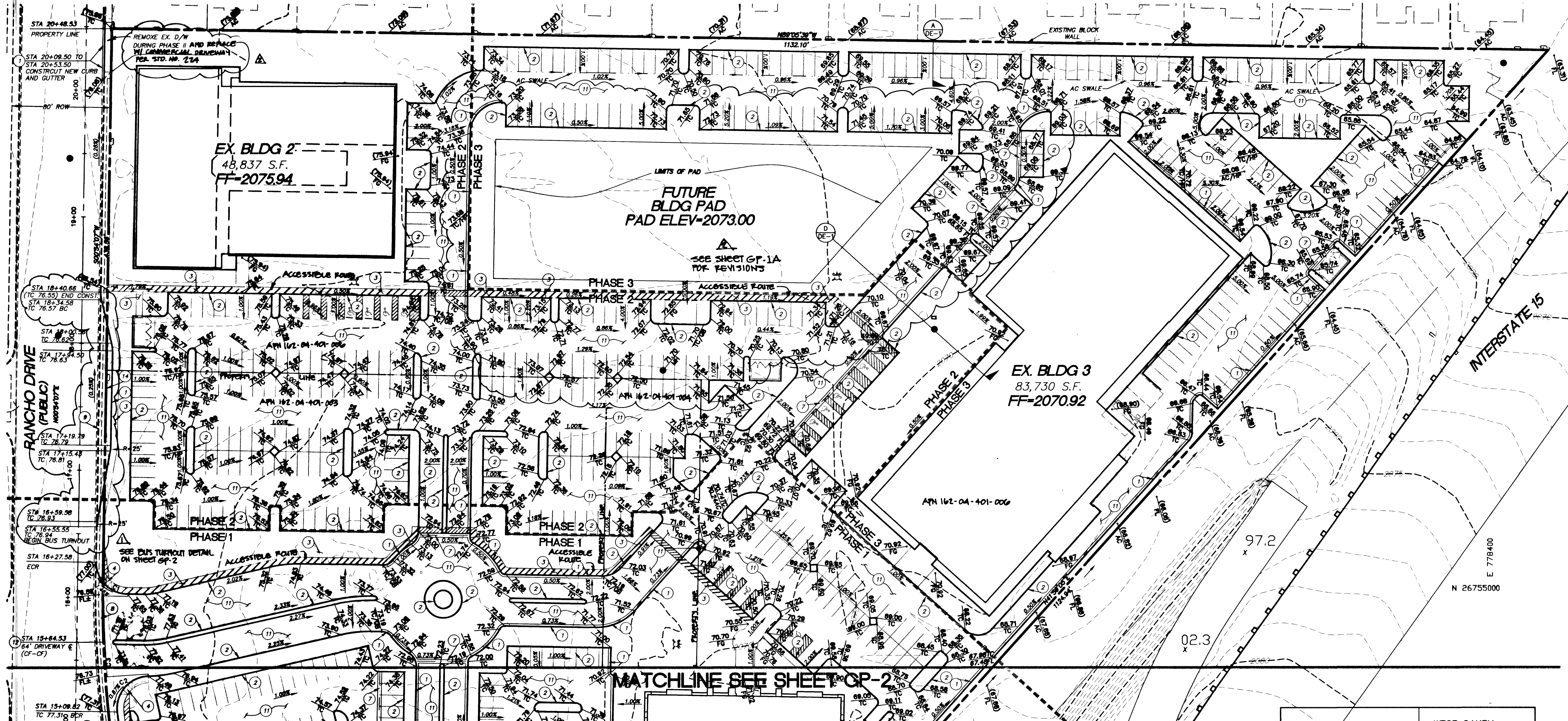




REV.	DATE	DESCRIPTION
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RANCHO OFFICE PARK

NORTH GRADING PLAN

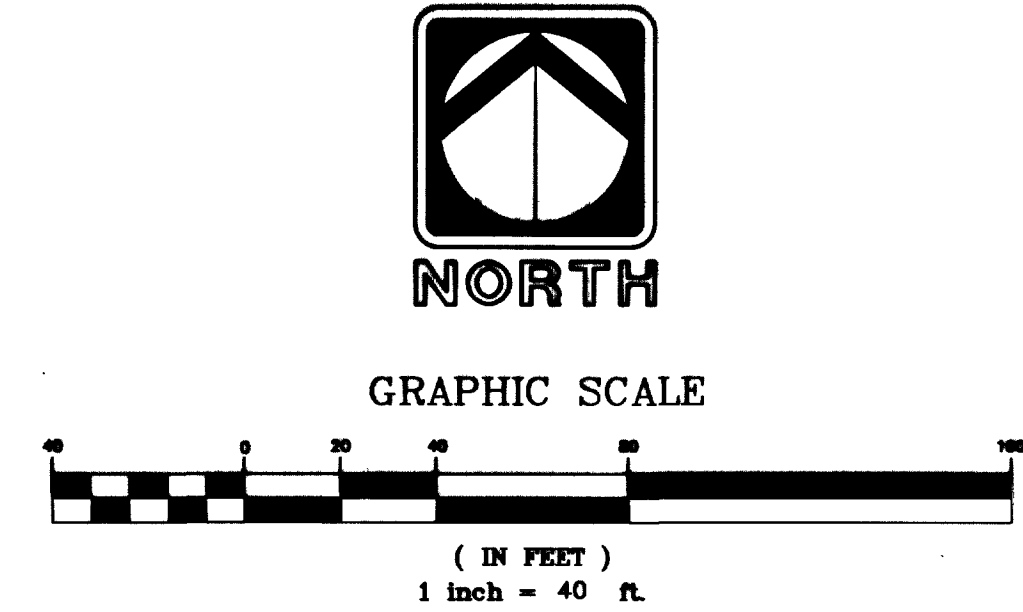
GP-1
OF 15 SHEETS
DATE: 11/13/03

CONSTRUCTION NOTES

No.	ITEM
1	CONSTRUCT "L" TYPE CURB AND GUTTER PER STD DWG NO. 218
2	CONSTRUCT "A" TYPE CURB PER STD DWG NO. 218
3	CONSTRUCT SIDEWALK PER STD DWG NO. 234
4	CONSTRUCT SIDEWALK RAMP PER STD DWG NO. 235, CASE 1 (A=B, B=B' U.N.G.)
5	DEMOLISH AND REMOVE EXISTING ASPHALT AS NECESSARY
6	SAW CUT EXISTING AC TO SMOOTH FACE AND TACK COAT
7	CONSTRUCT VALLEY GUTTER PER DETAIL X ON SHEET DE-1
8	CONSTRUCT "B" CROSS GUTTER PER STD DWG 228
9	SAW CUT AND REMOVE EXISTING "L" TYPE CURB & GUTTER
10	CONSTRUCT CHANNEL PER DETAIL 3 ON SHEET DE-1
11	CONSTRUCT 2.5" MIN. AC OVER 6.5" TYPE II AB
12	CONSTRUCT COMMERCIAL DRIVEWAY PER CC AREA STD. DWG. NO. 222-A
13	CONSTRUCT CHANNEL PER DETAIL 6 ON SHEET DE-1
14	CONSTRUCT BUS TURNOUT PER STD. DWG. #234.1

LEGEND

--- PROPERTY LINE	(X) CONSTRUCTION NOTE
--- STREET CENTERLINE	(45.00) EXISTING GRADE
--- EXISTING INDEX CONTOUR	--- DIRECTION OF FLOW
--- EXISTING CONTOUR	--- EXISTING STREET LIGHT
--- EXISTING BUILDING	--- EXISTING AREA LIGHTING
--- EX. CURB & GUTTER	--- EXISTING UTILITY POLE
--- EX. CURB	--- EXISTING FIRE HYDRANT
--- AREA OF DEMOLITION	
--- EXISTING CHAIN LINK FENCE	
--- EXISTING BLOCK WALL	



LINE	LENGTH	BEARING
L1	11.16	N00°54'07"E

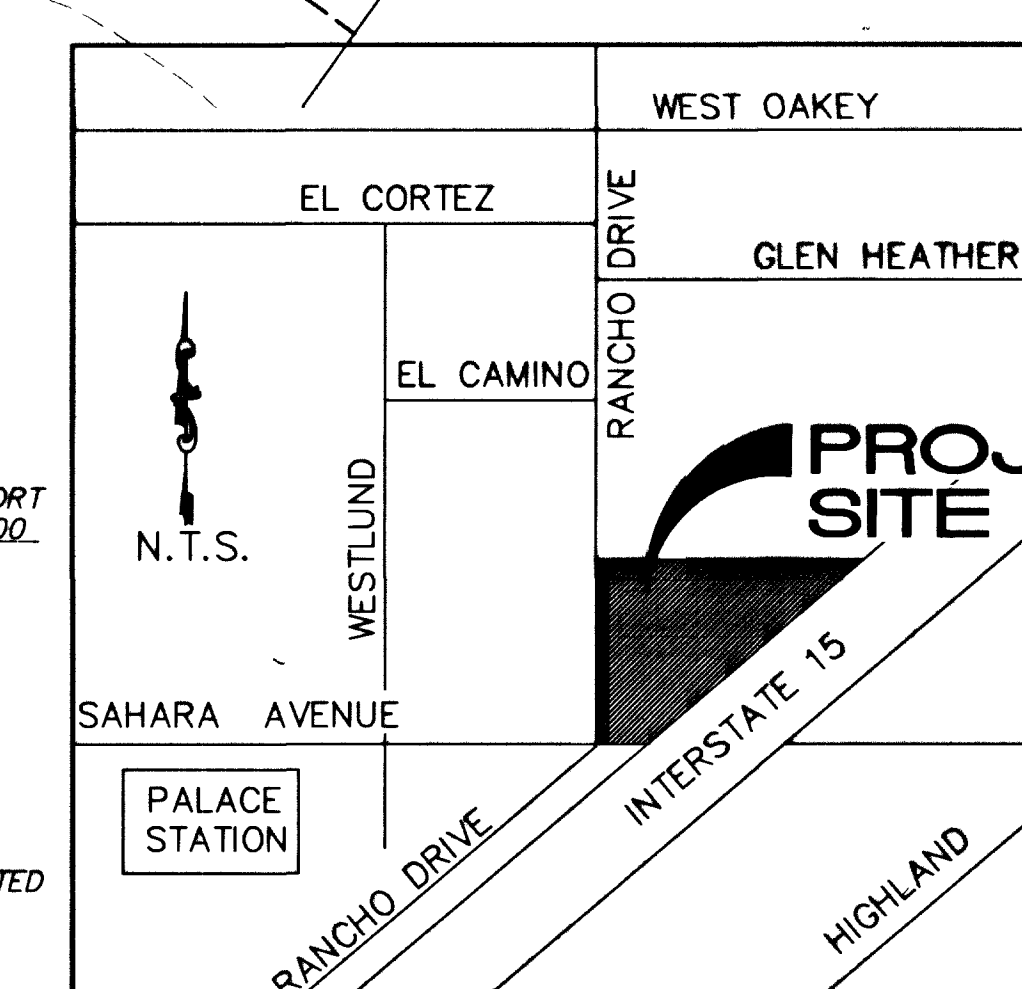
NOTE:
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER. CALL BEFORE YOU DIG: 1-800-227-2600.

NOTE
ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY KLEINFELDER DATED JULY 10, 2000. PROJECT No. 31-150407-001.

FEMA FLOOD ZONE
FEMA MAP DATED AUGUST 16, 1995 (PANEL No. 32003C2170 D)
PROJECT SITE LIES WITHIN AND AREA WHICH IS NOT LOCATED IN A DESIGNATED SPECIAL FLOOD HAZARD AREA, ALSO IDENTIFIED AS ZONE X.

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH, AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE, AS DETERMINED BY PUBLISHED VALUES BY NATIONAL GEODETIC SURVEY - HIGH ACCURACY REFERENCE NETWORK AS SHOWN BY MAP ON FILE IN FILE 88, PAGE 53 OF SURVEYS IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK
CITY OF LAS VEGAS BENCHMARK STATION 7C11 4SW5
DESCRIPTION
A RIVET & PLATE IN THE TOP OF CURB ON THE NORTHEAST RETURN OF RANCHO ROAD AND SAHARA AVENUE
NAVD '88 ELEV. = 632.6872 METERS (2075.74 FEET)



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

Joe P. Gwerder
JOE P. GWERDER, P.E. NO. 13636
DATE: 11/13/03

2-23-01
DATE

107-V 3399

Call before you Dig
1-800-227-2600

Call before you OVERHEAD
1-702-980-0111

EARTHWORK QUANTITIES
NOTE: THESE QUANTITIES ARE APPROXIMATE AND ARE RAW VOLUMES ONLY. OVEREXCAVATION, SUBSISTENCE, SHRINKAGE, AND BULKING FACTORS ARE NOT TAKEN INTO ACCOUNT.
CUT = 16,800 CY
FILL = 6,400 CY

30194 RS 33230 RS 41438 45241 60206