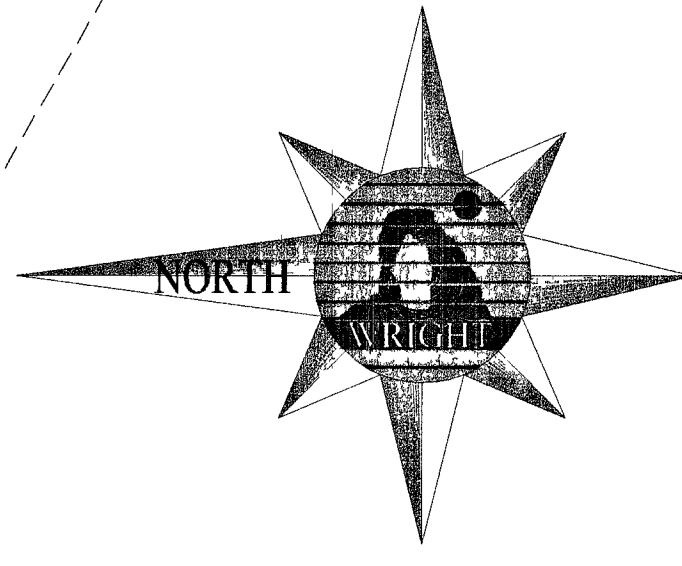
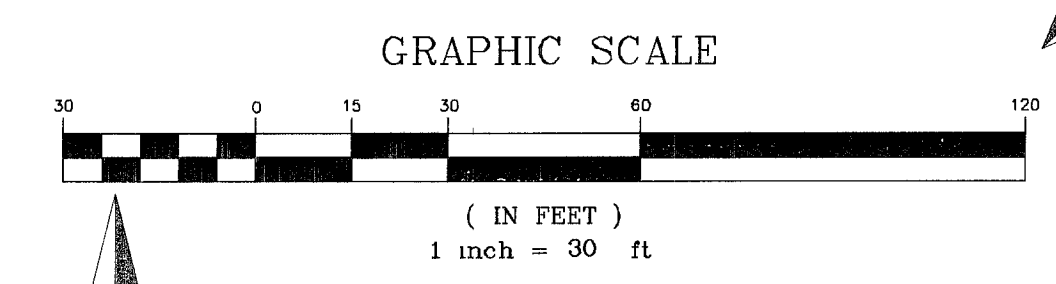
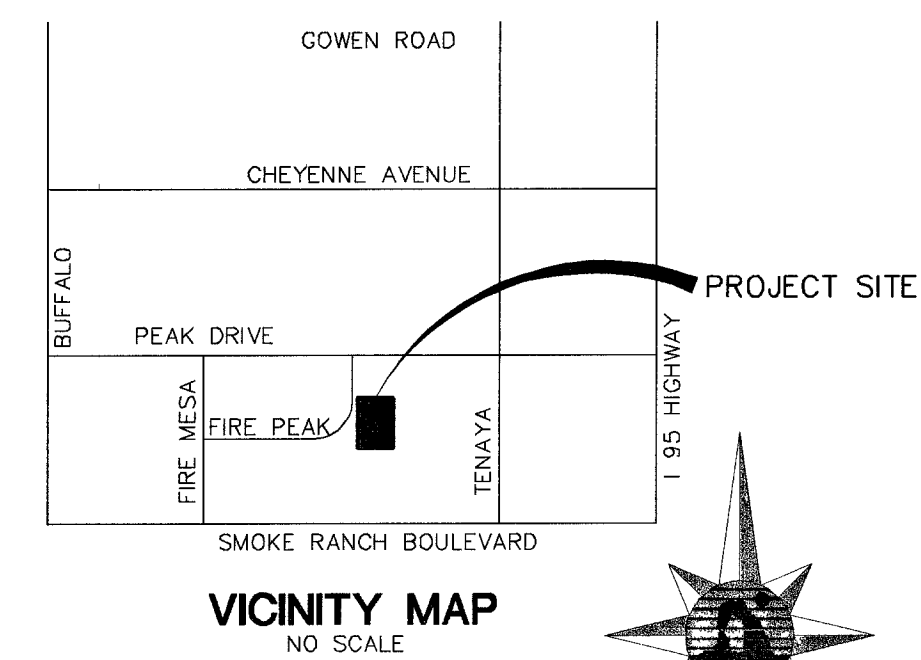
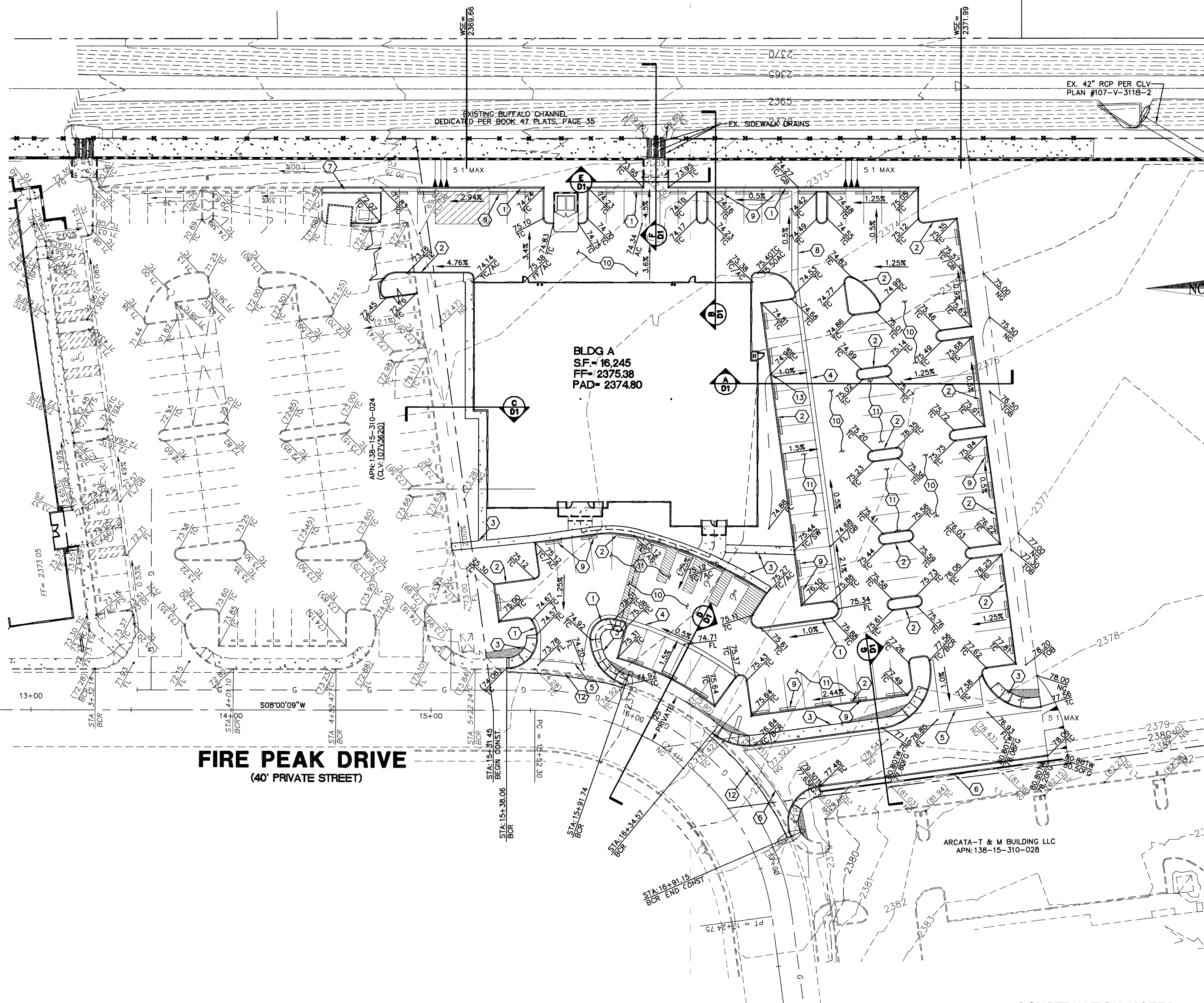




LEGEND	
[Symbol]	RIGHT OF WAY
[Symbol]	PROPERTY LINE
[Symbol]	STREET CENTER LINE
[Symbol]	EXISTING BUILDING
[Symbol]	PROPOSED BUILDING
[Symbol]	EXISTING CURB & GUTTER
[Symbol]	PROPOSED CURB & GUTTER
[Symbol]	EXISTING EDGE OF A.C. PAVEMENT
[Symbol]	EXISTING CONTOUR LINE
[Symbol]	PROPOSED 1' CONTOUR
[Symbol]	PROPOSED 5' CONTOUR
[Symbol]	GRADE BREAK
[Symbol]	CONSTRUCTION NOTE
[Symbol]	SLOPE & DIRECTION OF SLOPE
[Symbol]	PROPOSED ELEVATION
[Symbol]	EXISTING ELEVATION
[Symbol]	FUTURE ELEVATION
[Symbol]	ASPHALT PAVEMENT
[Symbol]	CONCRETE
[Symbol]	OFFSITE SAWCUT AREA & REPAVE
[Symbol]	SIGHT VISIBILITY ZONE (NO OBSTRUCTIONS TALLER THAN 24 INCHES)
[Symbol]	TOP OF BERM
[Symbol]	FLOW LINE
[Symbol]	HANDICAP ACCESS ROUTE

GRADING CERTIFICATION

THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS. FOR THIS PROJECT, DS 3775.

Jeremy McCarly 10/3/05
JEREMY MCCARTLY P.E. #14888 DATE

BASIS OF BEARING

SOUTH 89°40'51" EAST
BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 15, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., SAME BEING THE CENTERLINE OF SMOKE RANCH ROAD AS SHOWN ON FILE 120, PAGE 35 OF SURVEYS.

LEGAL DESCRIPTION

BEING A PORTION OF THE LAS VEGAS TECHNOLOGY CENTER, COMMERCIAL SUBDIVISION, LOCATED IN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 15, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., A PORTION OF APN 138-15-310-026

BENCHMARK

BENCHMARK NO.: 839
SLV00
22NNW6
RIVET & PLATE IN TOP OF CURB, @ SW CORNER OF SMOKE RANCH & BUFFALO CHANNEL
ELEVATION = 727.4462 METERS
(2386.63 U.S. SURVEY FEET) NAVD83 DATUM
METERS X $(\frac{3937}{1200})$ = U.S. SURVEY FEET
1. THE ELEVATIONS SHOWN HEREON ARE BASED ON FEET.

CONSTRUCTION NOTES

1. INSTALL "L" TYPE CURB & GUTTER PER CLARK COUNTY STD. DWG. #234.
2. INSTALL "A" TYPE CURB AND GUTTER PER CLARK COUNTY STD. DWG. #219.
3. INSTALL SIDEWALK PER CLARK COUNTY STD. DWG. #219.
4. INSTALL 2" VALLEY GUTTER PER DETAIL ON SHEET D1.
5. INSTALL CROSS GUTTER PER CLARK COUNTY STD. DWG. #228
6. INSTALL 3" MAX KEY-STONE RETAINING WALL PER DETAIL SHEET D1
7. INSTALL 3" WIDE FLUME PER DETAIL ON SHEET D1
8. INSTALL 3" VALLEY GUTTER PER DETAIL ON SHEET D1
9. INSTALL WHEEL STOPS PER DETAIL SHEET D1
10. INSTALL 3" AC PAVEMENT OVER 4" TYPE II AGG. BASE (HEAVY)
11. INSTALL 2" AC PAVEMENT OVER 4" TYPE II AGG. BASE (LIGHT)
12. REMOVE EXISTING CURB & SIDEWALK
13. INSTALL .5 LF DEPRESSED CURB PER DETAIL SHEET D1

EARTHWORK QUANTITIES

NOTE: THESE QUANTITIES ARE APPROXIMATE AND AREA RAW VOLUMES ONLY. OVER EXCAVATION, SUBSIDIENCE, SHRINKAGE, SHRINKAGE AND BULKING FACTORS, ARE NOT INCLUDED AS PART OF THESE EARTHWORK QUANTITIES.

CUT (NET)	1,273 CUBIC YARDS
FILL (NET)	1,436 CUBIC YARDS
NET	164 CUBIC YARDS (IMPORT)

NOTE:
ALL HANDICAP ACCESS ROUTES ARE AT A MAXIMUM OF 5% DOWNSLOPE AND 2% CROSS SLOPE & 2% IN DIRECTION CHANGE.

GEOTECHNICAL:

SEE GEOTECHNICAL REPORT BY OWENS GEOTECHNICAL, INC FOR THOMAS & MACK DEVELOPMENT COMPANY DATED MAY 10, 2002 PROJ. # E-02-078

Call before you Dig
UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-225-6811
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

Call before you Dig
1-702-593-6111
NEVADA POWER DIVISION AND SAFETY SERVICE DEPARTMENT

Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

THOMAS & MACK DEVELOPMENT GROUP		WRIGHT ENGINEERS	
WRIGHT WORLD HEADQUARTERS II		7425 PEAK DRIVE LAS VEGAS, NEVADA 89128 TEL (702) 933-7000 FAX (702) 933-7001	
GRADING PLAN		CIVIL STRUCTURAL MEP SURVEYING	
DATE: 02/23/05	DESIGNED BY: JSM/JSM	CHECKED BY: JSM	PROJECT NO: 2510901
DRAWN BY: JSM	SCALE: 1"=30'	SHEET G1 4 OF 6 SHEETS DRAWING NO. 107V3620-2	
JEREMY MCCARTLY P.E. #14888 Exp. 12/31/05 CIVIL		REVISION	