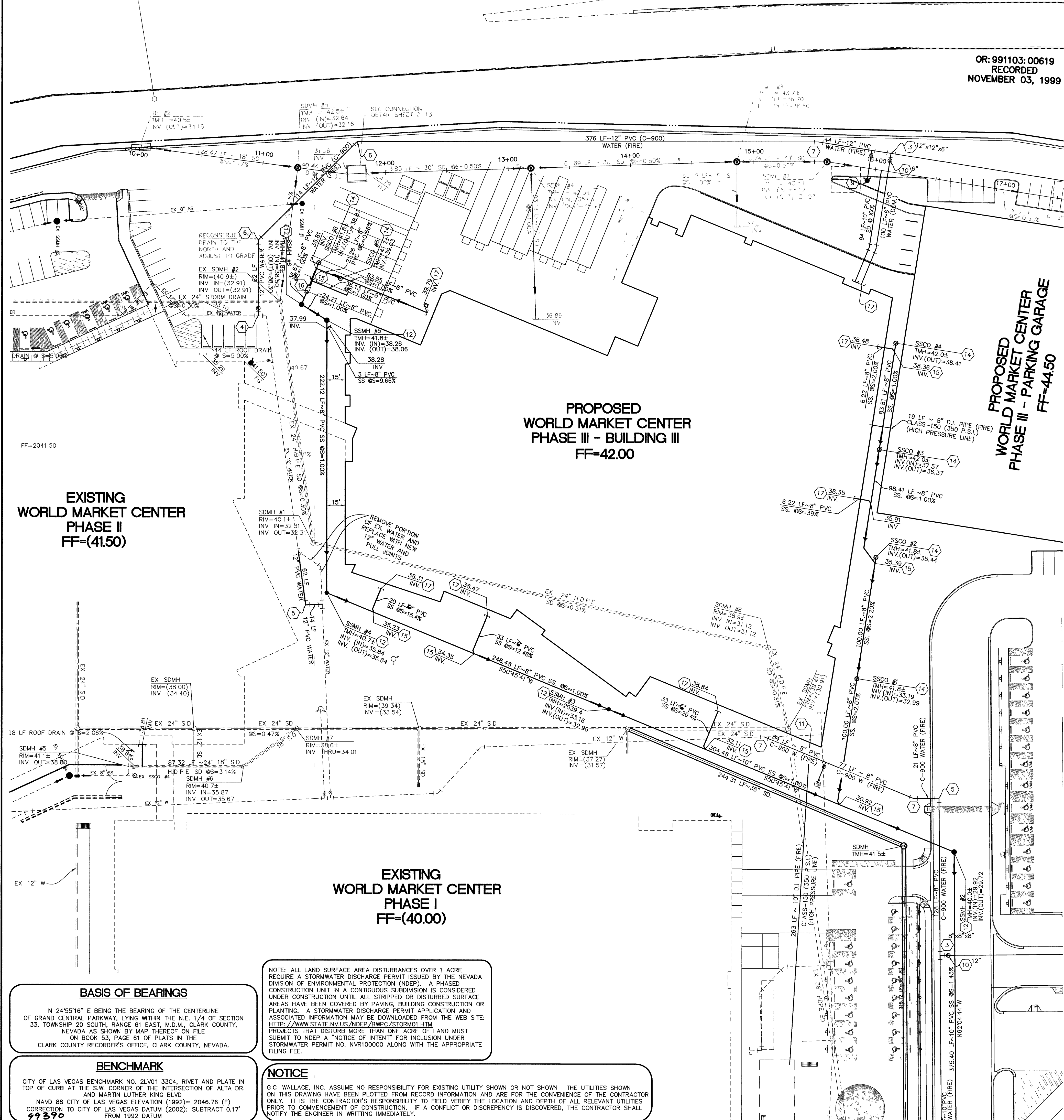




OR: 991103: 00619
RECORDED
NOVEMBER 03, 1999

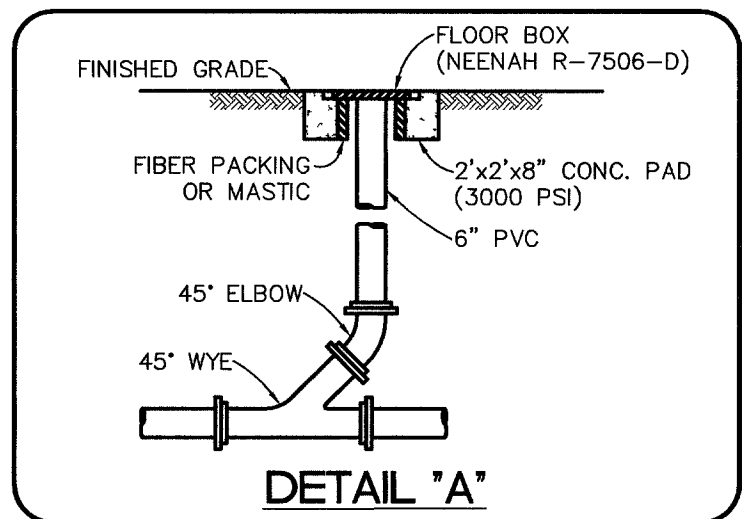
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-593-6111

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

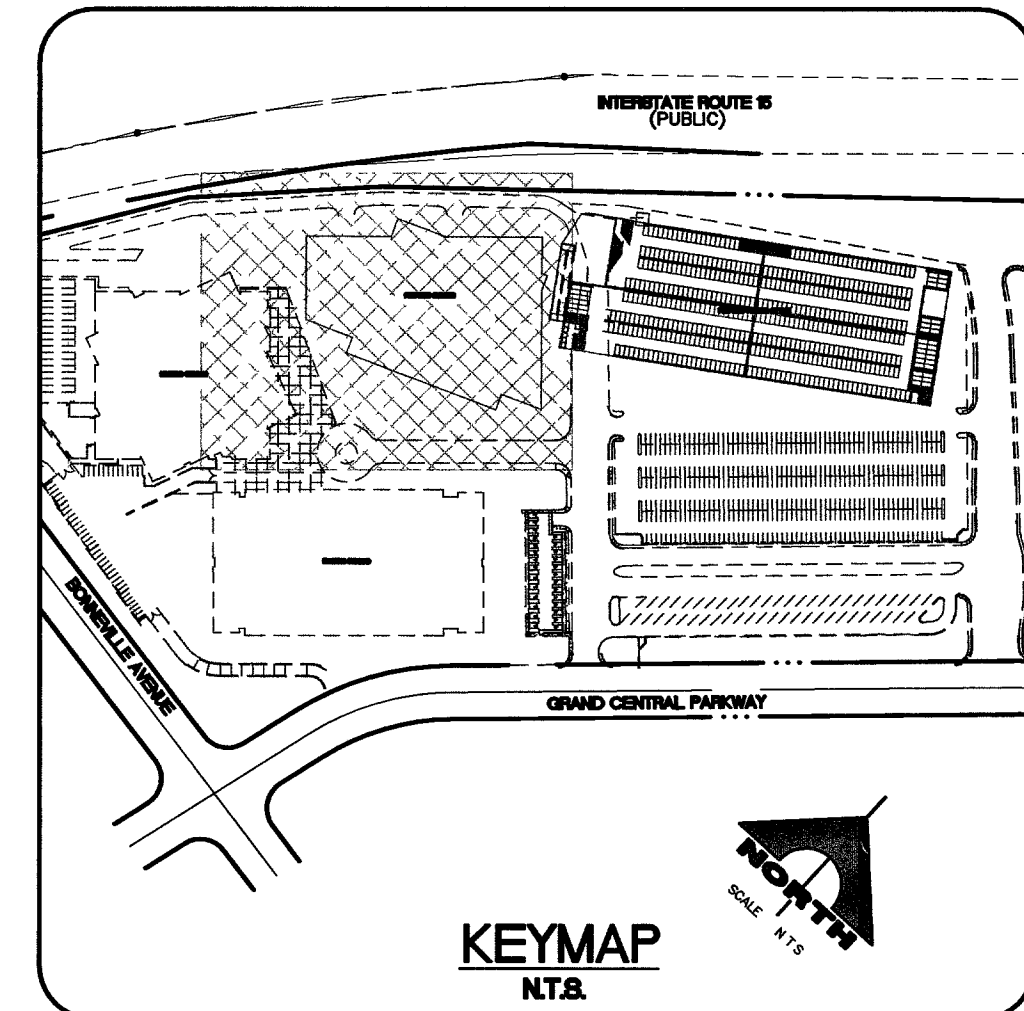
Call before you UnderGround
1-702-455-7511
1-702-229-6611

North arrow pointing up and slightly right.
Scale bar: 0 to 80 feet.
Scale: 1" = 40'

Professional Engineer Seal for R.D. Clark, No. 8356, State of Nevada, expires 12/31/2006.
DATE: 12/16/06



QUANTITY ESTIMATES	
DESCRIPTION	UNIT
SEWER (PRIVATE)	
1. 4" PVC SANITARY SEWER LATERAL	147 LF
2. 6" PVC SANITARY SEWER LATERAL	237 LF
3. 8" PVC SANITARY SEWER LATERAL	28 LF
4. 10" PVC SANITARY SEWER LATERAL	32 LF
5. 8" PVC SANITARY SEWER	536 LF
6. 10" PVC SANITARY SEWER	662 LF
7. 6" CLEANOUT PER DETAIL "A" THIS SHEET	5 EA
8. 24" SAMPLE BOX	1 EA
9. STD 48" SANITARY SEWER MANHOLE	5 EA
10. SAND/OIL INTERCEPTOR	1 EA
WATER	
1. 6" WATER LATERAL	151 LF
2. 8" WATER LATERAL	567 LF
3. 10" WATER LATERAL	180 LF
4. 12" PVC C-900 WATER	2,826 LF
5. 6"x12" TEE	4 EA
6. 8"x12" TEE	4 EA
7. 12"x12" TEE	1 EA
8. 12"x12" CROSS	1 EA
9. 90° HB	3 EA
10. 45° HB	3 EA
11. 22.5° HB	3 EA
12. 11.25° HB	3 EA
13. 6" GATE VALVE	4 EA
14. 8" GATE VALVE	4 EA
15. 12" GATE VALVE	2 EA
16. 12"x10" REDUCER	1 EA
17. FIRE HYDRANT	5 EA
18. 6" CAP	1 EA
19. 8" CAP	2 EA
20. 10" CAP	1 EA



FIRE FLOW CALCULATIONS	
FIRE FLOW REQUIREMENT IS: 4,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE	
SQUARE FOOTAGE:	312,013 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION	N/A SQUARE FEET
BUILDING HEIGHT:	289'-6" FEET
NUMBER OF STORIES:	16 FLOOR
TYPE OF CONSTRUCTION:	I-A
OCCUPANCY:	M
FULL AUTOMATIC FIRE SPRINKLER SYSTEM	YES
REVIEWED BY:	Robert Bell DATE: 12/16/06

- UTILITY NOTES**
- REPLACE 12"x12" TEE, INSTALL 12"x12" CROSS W/ 12" GATE VALVE
 - INSTALL 8" x 4" TYPE I METER W/ TURBINE PER UDACS PLATE NO. 210
 - INSTALL TEE (SEE PLAN FOR SIZE).
 - INSTALL 12"x12" M.J. TAPPING SLEEVE W/ 12" TAPPING VALVE PER UDACS PLATE NO. 22.
 - INSTALL 90° BEND
 - INSTALL 45° BEND.
 - INSTALL 22.50° BEND
 - INSTALL 11.25° BEND.
 - INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7
 - INSTALL GATE VALVE (SEE PLAN FOR SIZE).
 - INSTALL FIRE DEPT. CONNECTION (SEE ARCHITECTURAL PLANS FOR CONTINUATION)
 - INSTALL 48" SANITARY SEWER MANHOLE
 - NOT USE
 - INSTALL 6" SANITARY SEWER CLEANOUT.
 - INSTALL SANITARY SEWER WYE PER DETAIL "A", THIS SHEET
 - INSTALL SAND & OIL INTERCEPTOR. SEE PLUMBING PLANS FOR DETAILS.
 - INSTALL CAP. (SEE PLUMBING PLAN FOR CONTINUATION)
 - PROVIDE PATCHING PER USDOCA STD. DWG. 504

SEWER CONTRIBUTION	
AVERAGE FLOW:	
PEAK FLOW: (150 FIXTURES)(1.33 ERU)(250 GPD)=49,875 GPD (0.0499)(2.95)=147,131 GPD	

NOTE: ALL ABOVE GROUND UTILITY APPURTENANCES WILL BE PLACED A MINIMUM OF THREE (3) FEET FROM THE BACK OF RIGHT-OF-WAY AND SHALL BE IN CONFORMANCE WITH TITLE 110, CHAPTER 6, THE LAS VEGAS ORDINANCE CENTENIAL PLAN.

APPROVED FOR CONSTRUCTION SHEET C-1, C-2, C-6, C-7 & C-8
Robert Bell 12/16/06
CITY OF LAS VEGAS FIRE DEPARTMENT DATE

APPROVED FOR CONSTRUCTION SHEET C-1, C-2, C-6, C-7 & C-8
N/A
LAS VEGAS VALLEY WATER DISTRICT DATE
PROJECT # XXXXXX

BASIS OF BEARINGS

N 24°55'16" E BEING THE BEARING OF THE CENTERLINE OF GRAND CENTRAL PARKWAY, LYING WITHIN THE N.E. 1/4 OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE ON BOOK 53, PAGE 61 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO. 2LV01 33C4, RIVET AND PLATE IN TOP OF CURB AT THE S.W. CORNER OF THE INTERSECTION OF ALTA DR. AND MARTIN LUTHER KING BLVD
NAVD 88 CITY OF LAS VEGAS ELEVATION (1992)= 2046.76 (F)
CORRECTION TO CITY OF LAS VEGAS DATUM (2002): SUBTRACT 0.17'
99390

NOTICE

G.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

NOTE: ALL LAND SURFACE AREA DISTURBANCES OVER 1 ACRE REQUIRE A STORMWATER DISCHARGE PERMIT ISSUED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP). A PHASED CONSTRUCTION UNIT IN A CONTIGUOUS SUBDIVISION IS CONSIDERED UNDER CONSTRUCTION UNTIL ALL STRIPPED OR DISTURBED SURFACE AREAS HAVE BEEN COVERED BY PAVING, BUILDING CONSTRUCTION OR PLANTING. A STORMWATER DISCHARGE PERMIT APPLICATION AND ASSOCIATED INFORMATION MAY BE DOWNLOADED FROM THE WEB SITE: [HTTP://WWW.STATE.NV.US/NDEP/DWPC/STORM01.HTM](http://www.state.nv.us/ndep/dwpc/storm01.htm). PROJECTS THAT DISTURB MORE THAN ONE ACRE OF LAND MUST SUBMIT TO NDEP A "NOTICE OF INTENT" FOR INCLUSION UNDER STORMWATER PERMIT NO. NVR100000 ALONG WITH THE APPROPRIATE FILING FEE.

NOTE: ALL ONSITE SEWER DRAINAGE IS PRIVATE, TO BE PRIVATELY MAINTAINED.

107V3916-3

WORLD MARKET CENTER PH. III
WMC ASSOCIATES, LLC
UTILITY PLAN 1
DRAWING C-6
6 OF 14 SHTS

DESIGN: G.C. WALLACE, INC.
CHECK: Engineers/Planners, Surveyors
ISSUE DATE: 12-08-06
PLOT DATE: 12-08-06
PLOT TIME: 11:27:01
% COMPLETE