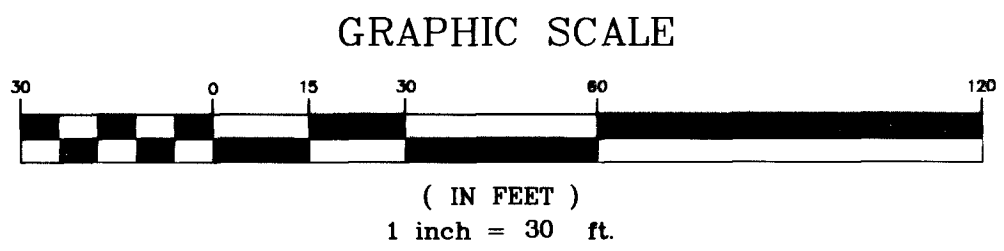
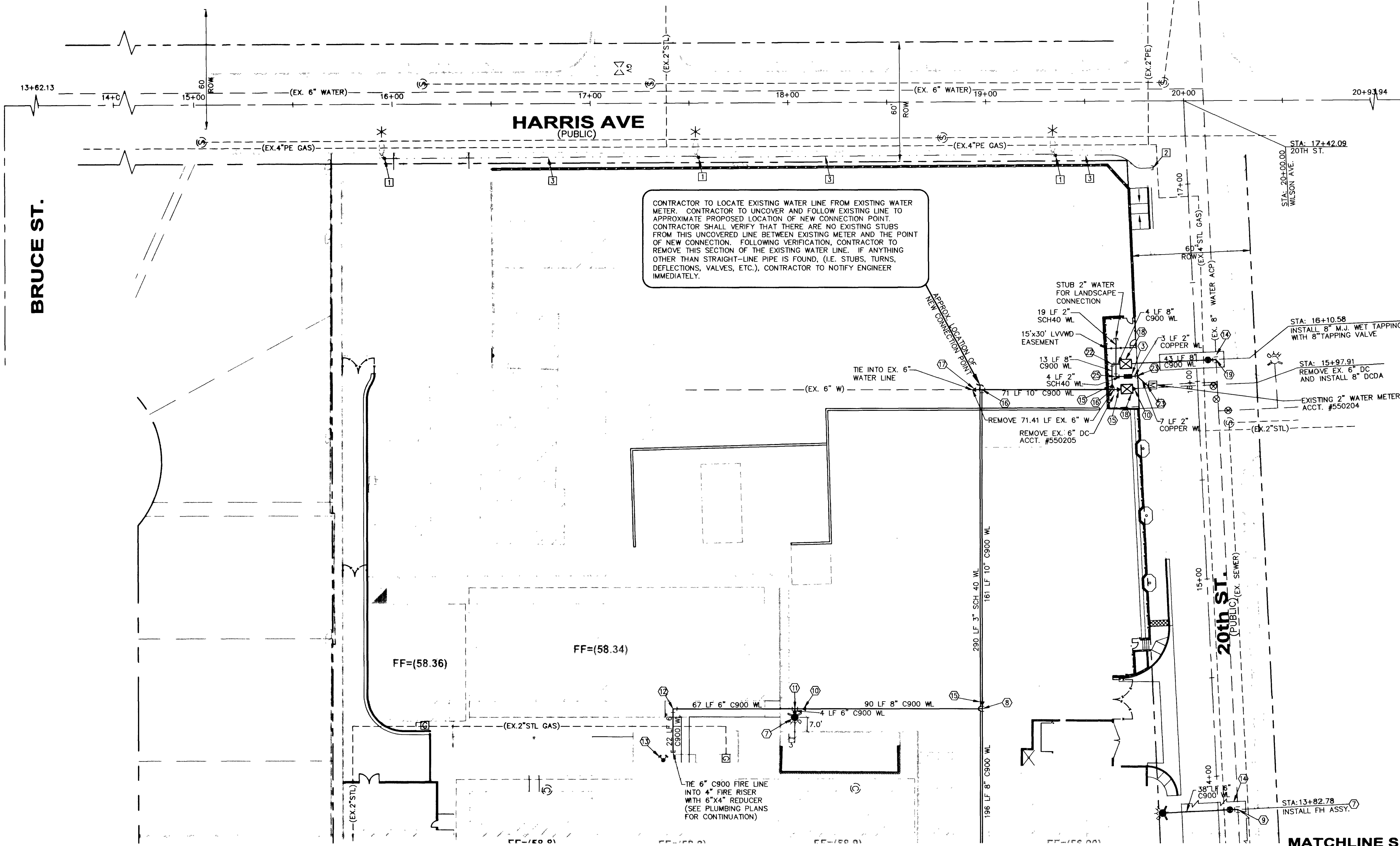
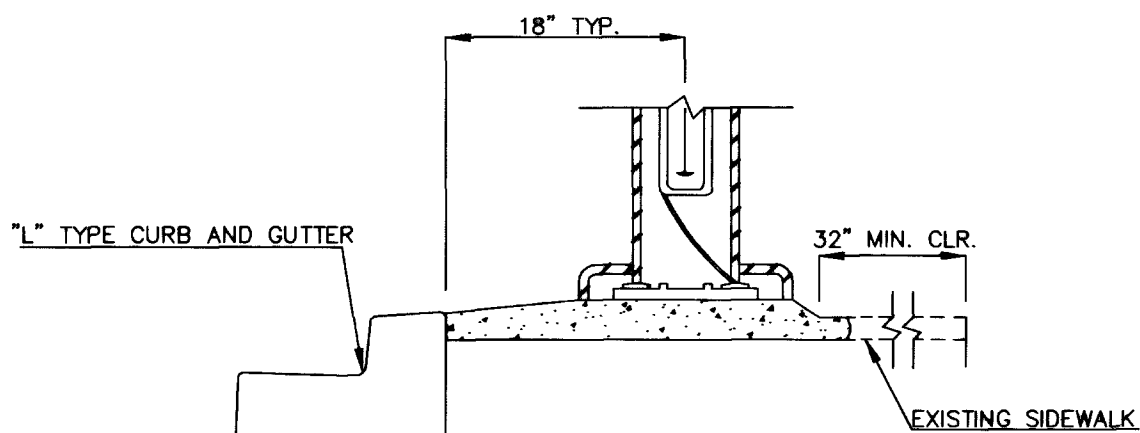
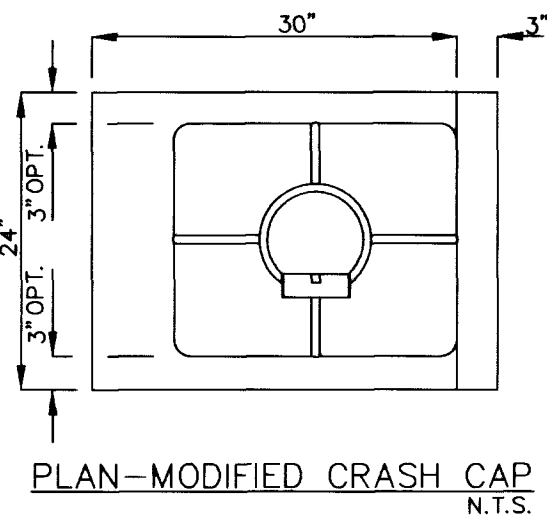


BRUCE ST.



WATER CONSTRUCTION NOTES

1. INSTALL 2" SERVICE SADDLE WITH CORP. STOP PER UDACS PL #1-D
2. INSTALL 2" WATER METER PER UDACS PL #1-D (RELOCATED FROM STA: 12+74.06)
3. INSTALL 2" RPPA PER UDACS PL #1A
4. INSTALL 3" X 2" REDUCER PER UDACS PL #3
5. INSTALL 3" X 3" TEE PER UDACS PL #5
6. INSTALL 3" 90° BEND PER UDACS PL #5
7. INSTALL FIRE HYDRANT & APPURTANANCES PER UDACS PL #7
8. INSTALL 8" X 8" TEE WITH THRUST BLOCK PER UDACS PL #5
9. INSTALL 8" X 6" WET TAPPING SLEEVE WITH 6" TAPPING VALVE PER UDACS #22
10. INSTALL 8" X 6" REDUCER PER UDACS PL #3
11. INSTALL 6" X 6" TEE WITH THRUST BLOCKS PER UDACS PL #5
12. INSTALL 6" 90° BEND WITH THRUST BLOCKS PER UDACS PL #5
13. INSTALL FIRE DEPARTMENT CONNECTION (BUILDING MOUNTED)
14. TRENCH AND PATCH AC PAVEMENT PER UDACS PL #504.1
15. INSTALL 10" X 8" REDUCER PER UDACS PL #3
16. INSTALL 10" X 10" TEE WITH THRUST BLOCK PER UDACS PL #5
17. INSTALL 10" X 6" REDUCER PER UDACS PL #3
18. INSTALL 8" FEBCO "N" PATTERN DCDA PER UDACS PL #208
19. INSTALL 8" M.J. WET TAPPING SLEEVE WITH 8" TAPPING VALVE PER UDACS PL #22
20. INSTALL 8" 45° BEND WITH THRUST BLOCKS PER UDACS PL #5
21. INSTALL 3" X 2" TEE PER UDACS PL #5
22. INSTALL 8" 90° BEND WITH THRUST BLOCKS PER UDACS PL #5
23. INSTALL 2" 45° BEND WITH THRUST BLOCKS PER UDACS PL #5
24. INSTALL 2-1/2" X 2" TEE PER UDACS PL #5
25. INSTALL 2" 90° BEND PER UDACS PL #5



PIPE MATERIAL CONSTRUCTION LIST

UNLESS OTHERWISE NOTED ON THE PLANS, ALL PIPE MATERIALS USED SHALL BE AS FOLLOWS:

WATER SYSTEM
ALL PIPES GREATER THAN 4" IN DIAMETER SHALL BE CONSTRUCTED USING PVC C-900
ALL PIPES LESS THAN 4" IN DIAMETER SHALL BE CONSTRUCTED USING PVC SCH 40
UNLESS OTHERWISE NOTED ON THE UTILITY PLANS.

SEWER SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING SDR-35
UNLESS OTHERWISE NOTED ON THE UTILITY PLANS.

STORM DRAIN SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING MATERIALS AS NOTED ON PLANS

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY INSTALLING (2)8" AND REMOVING (1)6"

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE 208.

EASEMENT WITH FENCE OR BLOCK WALL

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED & CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT'S DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (3)-2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD.

PRIVATE PRV NOTE:

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 86 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

EXISTING BLDG FIREFLOW DATA

FIRE FLOW REQUIREMENT IS : 3250 gpm
AT 20 psi RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE : 13,930 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS : 13,930 SQUARE FEET

BUILDING HEIGHT : FEET

NUMBER OF STORIES : 1 FLOORS

TYPE OF CONSTRUCTION : V-N

OCCUPANCY :

FULL AUTOMATIC FIRE SPRINKLER SYSTEM : YES

REVIEWED BY : [Signature] 1/6/03

DATE : 1/6/03

PROPOSED BLDG FIREFLOW DATA

FIRE FLOW REQUIREMENT IS : 1500 gpm
AT 20 psi RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE : 3,335 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS : 3,335 SQUARE FEET

BUILDING HEIGHT : FEET

NUMBER OF STORIES : 1 FLOORS

TYPE OF CONSTRUCTION : V-N

OCCUPANCY : B

FULL AUTOMATIC FIRE SPRINKLER SYSTEM : NO

REVIEWED BY : [Signature] 1/6/03

DATE : 1/6/03

SEWER CONSTRUCTION NOTES

1. INSTALL SANITARY SEWER CLEANOUT
2. INSTALL REDUCER, (IF NECESSARY) SEE PLUMBING PLANS FOR BLDG. S.S. STUB SIZES & CONNECTION

STREETLIGHT CONSTRUCTION NOTES

1. INSTALL #3-1/2 PULLBOX
2. STUB AND CAP 1-1/4" STREET LIGHT CONDUIT
3. INSTALL 1-1/4" STREET LIGHT CONDUIT W/1-#8 PULL WIRE (BENEATH SIDEWALK PER C.C. AREA STDS.)

* STREETLIGHT NOTES

1. ADJUST POLES AND CRASH CAPS TO NEW FINISHED GRADE
2. MODIFY EXISTING STREETLIGHT CRASH CAPS. ALL WORK ASSOCIATED WITH THIS/THOSE STREETLIGHTS SHALL BE DONE UNDER DIRECT SUPERVISION OF THE CITY OF LAS VEGAS ELECTRICAL SHOP. ANY QUESTIONS CALL 229-6331.
3. IF FOUNDATION GROUND IS NOT VISIBLE OR DAMAGED FROM MODIFYING, A NEW GROUND ROD WILL HAVE TO BE INSTALLED FOR EACH POLE FOUNDATION. CALL 24 HOURS BEFORE STARTING WORK (229-6331). IF EXISTING POLES CAN'T BE ADJUSTED TO NEW FINISH GRADE, OR FOUNDATION IS DAMAGED IN MODIFYING A NEW FOUNDATION WILL BE REQUIRED. IF NEW FOUNDATIONS ARE REQUIRED STUB 1-1/4" CONDUIT FROM PULL BOX INTO POLE FOUNDATION.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT "2LV01 2656", BEING A RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST RETURN OF BRUCE STREET AND HARRIS AVENUE.
ELEVATION: 1875.66 (FEET)
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88).

BASIS OF BEARING

NORTH 02°43'08" WEST, BEING THE EAST LINE OF THE GREATER LAS VEGAS ADDITION NO. 2, AS SHOWN IN FILE 4 BOOK 87 OF PLATS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE, SAID LINE ALSO BEING THE CENTERLINE OF 20TH STREET.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

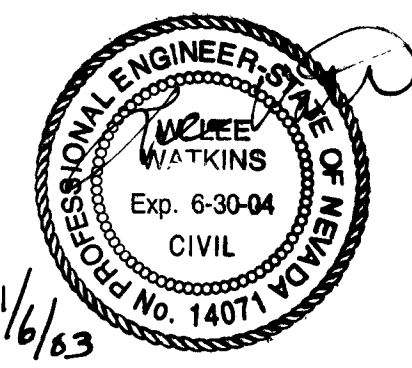
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU CRANE
1-702-227-2929

HALLE HEWETSON
ELEMENTARY SCHOOL ADDITION

UTILITY PLAN 2



SHEET
C6.02

11 OF 13 SHEETS
DRAWING NO.

715-774

CLARK COUNTY SCHOOL DISTRICT
Construction Management
4828 Pearl Street
Las Vegas, NV 89121
phone: 702.799.7604

2480 E. Tompkins Ave.
Suite # 232
Las Vegas, NV 89121
phone: 702.456.4664
fax: 702.456.4919

INTEGRITY
ENGINEERING

SCALE: 1"=30'
DRAWN BY: CM
DESIGNED BY: WLW
CHECKED BY: JBD
SUBMITTAL DATE: 12/16/02
JOB NO: 10-131

REVISION APPROVAL BLOCK

REV.	BY	DATE	DESCRIPTION