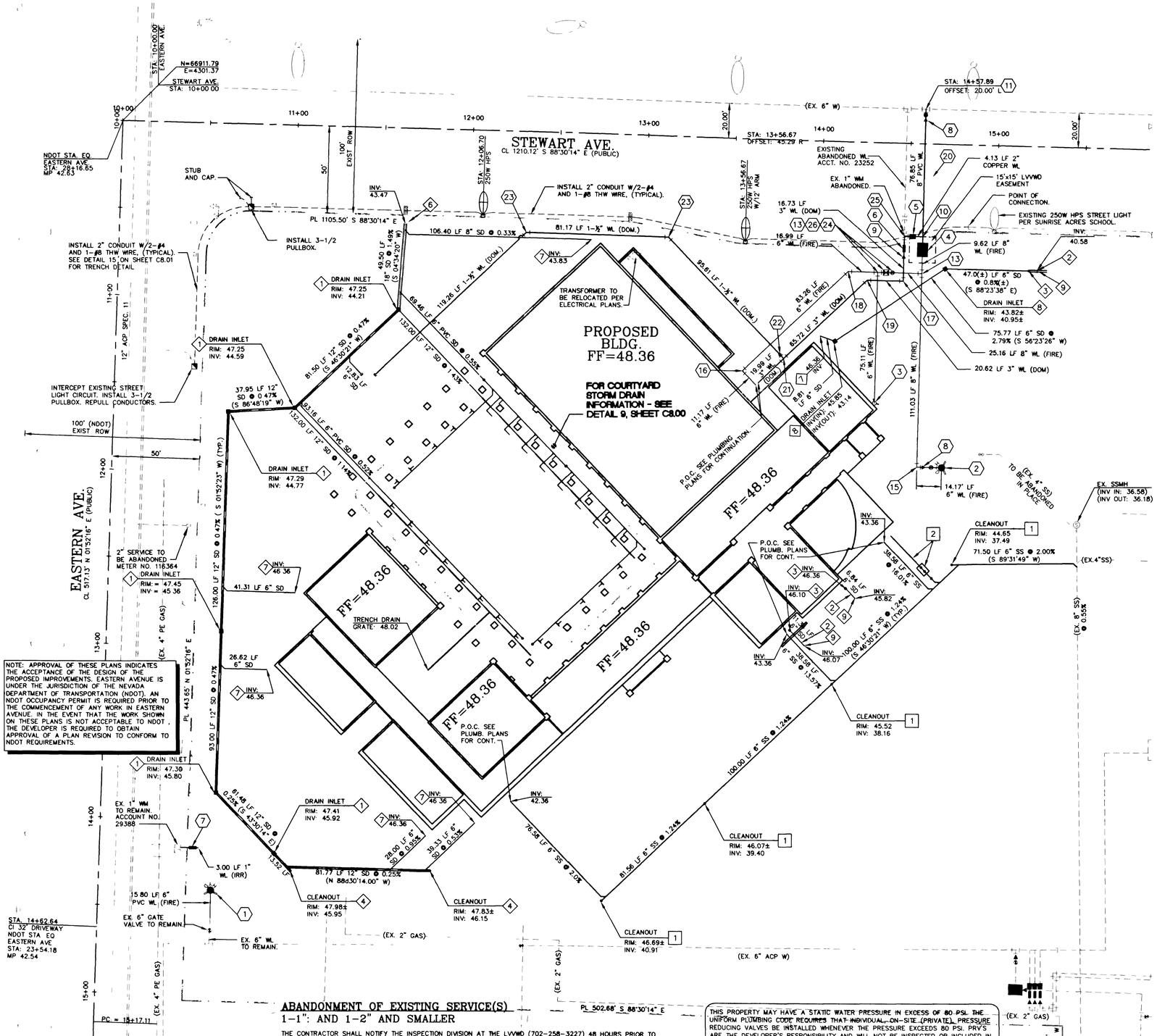


GENERAL UTILITY NOTES:

1. WATER LINES TO HAVE THRUST BLOCKS CONSTRUCTED, PER U.D.A.C.S. PLATE No. 5. THRUST BLOCKS TO BE LOCATED AT ALL ANGLE FITTINGS (BENDS), TEE'S, AND FIRE HYDRANTS. ANCHOR BLOCKS TO BE CONSTRUCTED, PER U.D.A.C.S. PLATE No. 3. ANCHOR BLOCKS TO BE LOCATED AT ALL IN-LINE REDUCERS AND GATE VALVES.

2. WET TAP'S TO BE CONSTRUCTED IN CONFORMANCE WITH U.D.A.C.S. PLATE No. 22.

3. TRENCH BACKFILL FOR WATER LINES TO BE CONSTRUCTED, PER U.D.A.C.S. PLATE No. 6B.

4. TRENCH BACKFILL FOR STORM DRAIN LINES TO BE CONSTRUCTED, PER D.C.S.W.C.S. DRAWING No. SD-16B.

5. CONTRACTOR TO LOCATE AND VERIFY SIZE, LINE TYPE, CONDITION, DEPTH, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION. THE CIVIL ENGINEER SHALL BE CONTACTED ONCE THE UTILITY LINE IS LOCATED.

6. THESE DRAWINGS MAY NOT INDICATE ALL EXISTING BURIED UTILITY LINES. CONTRACTOR IS TO EXERCISE GREAT CARE DURING EXCAVATION IN ORDER TO AVOID MAKING CONTACT WITH ANY EXISTING UTILITY LINES. IF UTILITY LINES ARE DAMAGED BY THE CONTRACTOR, SUCH DAMAGE SHALL BE REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

7. CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESSARY FOR UTILITY TRENCHES, BACKFILL AND PATCH ALL TRENCHES AS INDICATED ON DETAILS AND/OR ACCORDING TO THE GOVERNING ENTITY.

8. CONTRACTOR/OWNER TO OBTAIN C.C.P.W. OFF-SITE IMPROVEMENT PERMIT FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.

9. THE FIRE SAFETY CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THE SIZE OF PIPING THAT IS REQUIRED TO CONNECT FROM THE FIRE WATER LOOP TO THE FIRE SPRINKLER RISER. LINE SIZE SHOWN FOR INFORMATION PURPOSES ONLY.

10. CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND SIZE WITH PLUMBING PLANS PRIOR TO INSTALLATION OF NEW UTILITIES.

11. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISER.

12. SEE SHEET C1.00 FOR LEGEND.

13. EXISTING STREET LIGHTS INDICATED ON THIS SHEET ARE DEPICTED FOR INFORMATION PURPOSES ONLY LOCATION IS APPROXIMATE.

14. ONLY SEWER LINES AND LATERALS MAY BE INSTALLED IN TRENCHES EXCAVATED FOR SEWER LINES. SEE D.C.S.W.C.S. SECTION 2.2.1B (TYPICAL).

15. LATERALS SHALL NOT BE CONNECTED INTO STUBS EXTENDING FROM MANHOLES, SERVICE LATERALS 6" OR SMALLER WILL NOT BE ALLOWED TO CONNECT INTO MANHOLES, PER D.C.S.W.C.S. SECTION 2.2.1B (TYPICAL).

16. WATER AND SEWER SEPARATION OF TRENCHES MUST BE AT LEAST 10' MINIMUM (TYPICAL). SEE D.C.S.W.C.S. SECTION 2.2.2I "A1", U.D.A.C.S. SECTION 2.19.01 "A".

17. THE EXISTING GAS LINE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATIONS ONLY.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) 1-1": AND 1-2":

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE U.D.A.C.S. PLATE No. 11-A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACK FLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY 1-8":

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE U.D.A.C.S. PLATE No. 20-B.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

WATER NOTES:

1. INSTALL 6" FIRE HYDRANT ASSEMBLY (WITHOUT 6" GATE VALVE) PER U.D.A.C.S. PLATE No 7 AND No. 8. PROVIDE A MINIMUM OF 3' CLEARANCE AROUND FIRE HYDRANT.
2. INSTALL 6" FIRE HYDRANT ASSEMBLY (INCLUDE 6" GATE VALVE) PER U.D.A.C.S. PLATE No. 7 AND No. 8. PROVIDE A MINIMUM OF 3' CLEARANCE AROUND FIRE HYDRANT.
3. INSTALL REMOTE FDC (SIAMESE CONNECTION ON STAND PIPE). REFER TO FDC NOTE ON THIS SHEET.
4. INSTALL 8" DOUBLE CHECK DETECTOR ASSEMBLY ABOVE FINISH GRADE, ON A 4"x6"x8' CONCRETE PAD PER U.D.A.C.S. PLATE No 20-B VALVES TO BE MONITORED.
5. INSTALL A 2" METER PER U.D.A.C.S PLATE No 1-D.
6. INSTALL A 2" RPPA PER U.D.A.C.S. PLATE No. 11-A.
7. INSTALL A 1" RPPA PER U.D.A.C.S. PLATE No. 11-A.
8. INSTALL 8"x6" REDUCER PER U.D.A.C.S. PLATE No 3.
9. INSTALL 3"x2" REDUCER.
10. INSTALL 2" SERVICE SADDLE.
11. INSTALL 6"x6" MECHANICAL JOINT TAPPING SLEEVE AND 6" TAPPING VALVE.
12. INSTALL GATE VALVE PER U.D.A.C.S. PLATE No. 8 AND No. 3.
13. INSTALL A 8"x8"x8" TEE PER U.D.A.C.S. PLATE No. 5.
14. INSTALL A 8"x6"x6" TEE PER U.D.A.C.S. PLATE No. 5.
15. INSTALL 8", 90 DEGREE BEND PER U.D.A.C.S. PLATE No 5.
16. INSTALL 6", 90 DEGREE BEND PER U.D.A.C.S. PLATE NO. 5.
17. INSTALL 3", 90 DEGREE BEND.
18. INSTALL 6", 45 DEGREE BEND PER U.D.A.C.S. PLATE No. 5.
19. INSTALL 3", 45 DEGREE BEND.
20. TRENCH BACKFILL PER C.C.A.U.S.D. No. 504.
21. INSTALL A 3"x3"x3" TEE.
22. INSTALL A 3"x1-1/2" REDUCER.
23. INSTALL 1-1/2", 45 DEGREE BEND.
24. INSTALL POST INDICATOR VALVE.
25. INSTALL 2", 90 DEGREE BEND
26. INSTALL A CHECK VALVE.

STORM DRAIN NOTES:

1. CONSTRUCT CAST IN PLACE CONCRETE DRAIN INLET WITH NEENAH R-6672 B-W FRAME AND GRATE (OR APPROVED EQUAL) PER DETAIL 3 ON SHEET C8.00.
2. INSTALL 3"x12"x10'-0" LONG 'SUPERIOR PIPE' RECTANGULAR DRAIN PIPE MODEL RP-1210 (OR APPROVED EQUAL).
3. INSTALL 6" 'SUPERIOR PIPE' STRAIGHT ADAPTER MODEL AD-12 (OR APPROVED EQUAL).
4. INSTALL CLEAN-OUT PER PLAN WITH COVER.
5. SEE LANDSCAPE PLANS FOR CONTINUATION.
6. CONSTRUCT STORM DRAIN OUTLET TRANSITION PER DETAIL 8 ON SHEET C8.00.
7. SEE PLUMBING PLANS FOR CONTINUATION.
8. CONSTRUCT CAST IN PLACE CONCRETE DRAIN INLET W/ NEENAH COVER AND FRAME MODEL R-1878-AIL (OR APPROVED EQUAL) PER DETAIL 3 ON SHEET C8.00.
9. THE DRAIN PIPE TO BE INSTALLED THROUGH CONCRETE CURB

SANITARY SEWER NOTES:

1. CONSTRUCT CLEANOUT PER PLAN, WITH H-20 TRAFFIC LOADING RATED COVER.
2. INSTALL GREASE INTERCEPTOR AND PIPE PER PLUMBING PLANS.

SEWER CONTRIBUTION:

AVERAGE DAILY FLOW = 0.0243 MGD
PEAK DAILY FLOW = 0.0826 MGD

NOTE:
INSTALL THRUST BLOCK AT ALL BENDS, FITTINGS, AND VALVES UNLESS OTHERWISE NOTED. REFER TO WATER NOTES THIS SHEET

NOTE:
FDC SHALL BE INTERCONNECTED TO ALL BUILDING SPRINKLER SYSTEMS.

NOTE:
ALL UTILITIES, SANITARY SEWER, AND STORM DRAIN ONSITE ARE PRIVATE.

BENCHMARK

CLV BM 2LV0136W4. RIVET & PLATE IN TOP OF CURB, S.E. RETURN, STEWART AVENUE AND EASTERN AVENUE, ELEVATION. 1846.08', 562.69 m (NAVD88)

BASIS OF BEARING

S 44°48'20" E, BEING THE GRID BEARING BETWEEN CLARK COUNTY GIS CONTROL POINTS 816 AND 827, AS SHOWN ON A RECORD OF SURVEY IN FILE 88, PAGE 53 OF SURVEYS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

Avoid cutting underground utility lines. It's costly.

Call before you Dig
1-800-227-2600

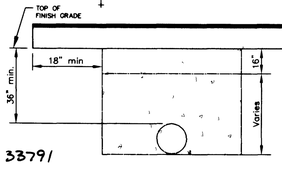
SAFETY ALERT
Call Before You Overhead
1-702-593-6111

ABANDONMENT OF EXISTING SERVICE(S) 1-1": AND 1-2" AND SMALLER

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING OF THE METER. AFTER THE FINAL READING, THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICES AS FOLLOWS:
EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN, SHALL HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, A MINIMUM OF 12" OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MATTER APPROVED BY THE LVVWD IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATION SUPPORT CENTER (702-258-7171) FOR FURTHER DIRECTION
THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES. FILL AND GRADE ANY AND ALL RESULTING VOIDS AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPE, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

NOTES:
1. 3/4" INCH OPEN GRADE (AC30)
2. 4 INCH MINIMUM DENSE GRADE (AC30) OR MATCH EXISTING, WHICHEVER IS GREATER.
3. TYPE 2 GRAVEL (STATE SPECIFICATION). A MINIMUM OF 16 INCHES TO BE LAID IN MAXIMUM 8 INCH LOOSE LIFTS. 90% COMPACTION REQUIRED
4. BACKFILL WITH SELECT MATERIAL TO BASE OF GRAVEL 90% COMPACTION REQUIRED.
5. LIMITS OF PAVING SHALL BE DETERMINED BY THE INSPECTOR

METHOD OF PATCHING ROADWAY WHERE TRENCHING IS NECESSARY FOR UTILITY OR OTHER INSTALLATIONS



3379/

THIS PROPERTY MAY HAVE A STATIC WATER PRESSURE IN EXCESS OF 80 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 LVVWD FACILITIES.

NOTE:
FOR ADDITIONAL STORM DRAIN SYSTEM INFORMATION REFER TO COURTYARD ENLARGED DETAIL 9 ON SHEET C8.00.

NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED
AN APPROVED NDOT OCCUPANCY SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY

NOTE TO CONTRACTOR:

NEVADA BY DESIGN (NBD) HAS PROVIDED UTILITY INFORMATION BASED ON THE MOST CURRENT DATA AVAILABLE FOR THE CONTRACTORS INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS WITH RESPECT TO LINE AND GRADE PRIOR TO CONSTRUCTION.

APPROVAL:

L.V.V.W.D. DATE

FIRE FLOW CALCULATIONS:

Fire Flow Requirement is 1500 gallons per minute at 20 psi residual pressure.

Based on:
- Square Footage: 40,500 square feet
- Largest area between 4-Hour area separation walls: N/A square feet
- Building height: 30' feet
- Number of Stories: ONE (1) floors
- Type of Construction: V-HR
- Occupancy: A2.1, B & A3
- Full Automatic Fire Sprinkler System: ☒ Yes ☐ No
- Reviewed By: Las Vegas Fire Dept. Date: 8/3/01

CITY OF LAS VEGAS NEVADA

REVISIONS

CONSULTANT
Nevada By Design
ENGINEERING CONSULTANTS
3515 East Harmon Avenue
Las Vegas, Nevada 89121
Phone: (702) 938-1525
Fax: (702) 938-1530

DEPARTMENT OF PUBLIC WORKS

EAST LAS VEGAS NEIGHBORHOOD/SENIOR CENTER

UTILITY AND STREETLIGHTING PLAN

STAMP:
NATIONAL ENGINEER CLARK NEVADA No. 14132
8/3/01

DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-3232
TDD: (702) 386-9108

SUBMITTAL: 100% CD
DRAWN: L.B.
DATE: 08/02/01
SCALE: 1"=30'
PROJECT: E. Las Vegas Community Center CLV Dwg No. 521-268
SHT NO. C4.00
SHEET 5 OF 11

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