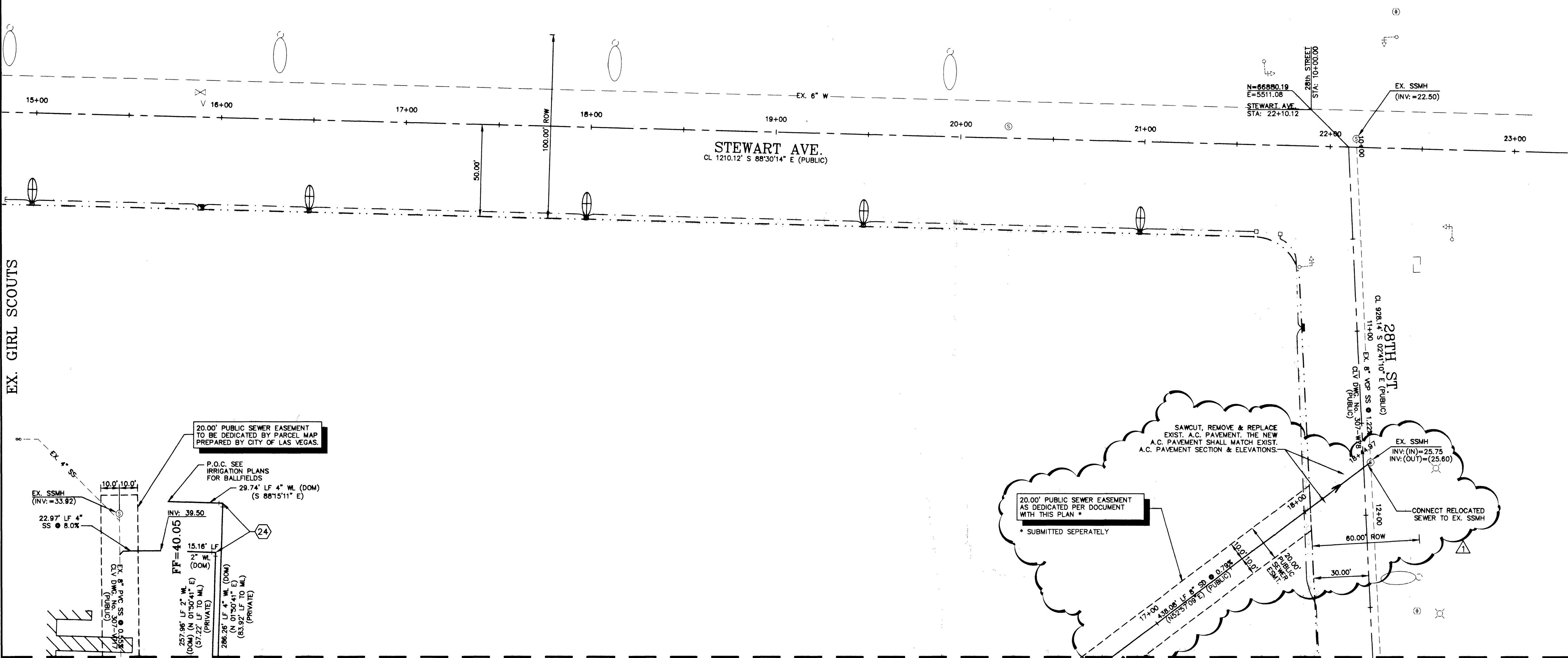


EX. GIRL SCOUTS



NOTES:

- 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, & 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.
- WET TAP'S TO BE CONSTRUCTED IN CONFORMANCE WITH U.D.A.C.S. PLATE NO. 22.
- TRENCH BACKFILL FOR WATER LINES TO BE CONSTRUCTED, PER U.D.A.C.S. PLATE NO. 08.
- TRENCH BACKFILL FOR STORM DRAIN LINES TO BE CONSTRUCTED, PER D.C.S.W.C.S. DRAWING NO. SD-168.
- 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.
- 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.
- 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.
- CONTRACTOR/OWNER TO OBTAIN C.C.P.W. OFF-SITE IMPROVEMENT PERMIT FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.
- 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.
- CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND SIZE WITH PLUMBING PLANS PRIOR TO INSTALLATION OF NEW UTILITIES.
- ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
- SEE SHEET C1.00 FOR LEGEND.
- EXISTING STREET LIGHTS INDICATED ON THIS SHEET ARE DEPICTED FOR INFORMATION PURPOSES ONLY. LOCATION IS APPROXIMATE.
- ONLY SEWER LINES AND LATERALS MAY BE INSTALLED IN TRENCHES EXCAVATED FOR SEWER LINES. SEE D.C.S.W.C.S. SECTION 2.2.18 (TYP).
- 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 2.2.19 (TYP).
- WATER AND SEWER SEPARATION OF TRENCHES MUST BE AT LEAST 10" MINIMUM (TYP). SEE D.C.S.W.C.S. SECTION 2.2.21 "A1", U.D.A.C.S. SECTION 2.19.01 "A".
- THE EXISTING GAS LINE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATIONS ONLY.

39411

WATER NOTES:

- SEE FIRE SAFETY CONTRACTOR NOTE ON THIS SHEET.
- PROVIDE A MINIMUM OF 18" VERTICAL CLEARANCE BETWEEN WATER AND SEWER LINES BEING BELOW WATER LINES.
- INSTALL 6" FIRE HYDRANT ASSEMBLY (INCLUDE 6" GATE VALVE), PER U.D.A.C.S. PLATE NO. 7 AND 8. PROVIDE A MINIMUM OF 3' CLEARANCE AROUND FIRE HYDRANT.
- INSTALL REMOTE FDC (SIAMSE CONNECTION ON STAND PIPE), REFER TO FDC NOTE ON THIS SHEET.
- INSTALL 8" DOUBLE CHECK DETECTOR FEBCO MODEL NO. 876V ASSEMBLY ABOVE FINISH GRADE, ON A 4'x10'x15' CONCRETE PAD, PER U.D.A.C.S. PLATE NO. 20B VALVES TO BE MONITORED.
- INSTALL 2" METER PER U.D.A.C.S. PLATE NO. 1-D.
- INSTALL 2" RPPA PER U.D.A.C.S. PLATE NO. 11A.
- INSTALL 6" TAPPING VALVE.
- INSTALL 12"x8" REDUCER.
- INSTALL 8"x6" REDUCER.
- INSTALL 6"x2" REDUCER.
- INSTALL 4"x2" REDUCER.
- INSTALL 8"x8" TEE.
- INSTALL 6"x6"x8" MECHANICAL JOINT TAPPING SLEEVE AND 8" TAPPING VALVE.
- INSTALL 2" SADDLE TAP.
- INSTALL 12"x12"x6" TEE.
- INSTALL 8" GATE VALVE.
- INSTALL 6"x6"x6" TEE.
- INSTALL 4"x4"x1.5" TEE.
- INSTALL 1.5", 45 DEGREE BEND.
- INSTALL 12", 90 DEGREE BEND.
- INSTALL 6", 90 DEGREE BEND.
- INSTALL 4", 90 DEGREE BEND.
- INSTALL 2", 90 DEGREE BEND.
- REFER TO LANDSCAPE PLANS FOR CONTINUATION.
- REFER TO MECHANICAL/PLUMBING AND FIRE SPRINKLER CONTRACTOR PLANS FOR ADDITIONAL INFORMATION.
- INSTALL 1" METER PER U.D.A.C.S. PLATE NO. 1-D.
- PROVIDE 1" RPPA PER U.D.A.C.S. PLATE NO. 11A.
- INSTALL 2"x1" REDUCER.
- INSTALL 4" GLOBE FLANGED CLA-VALVE PRESSURE REDUCING VALVE.
- INSTALL 1" SADDLE TAP.
- INSTALL 4"x4"x4" TEE.
- INSTALL 1.5", 90 DEGREE BEND.

MATCHLINE - SEE SHT. C4.01

STORM DRAIN NOTES:

- INSTALL MANHOLE OF SAME MATERIAL AS PIPE (SEE SPECIFICATIONS FOR MATERIAL).
- INSTALL CAST IN PLACE STORM DRAIN PER DETAIL 8 ON SHEET C9.00.
- CONSTRUCT STORM DRAIN OUTLET TRANSITION PER DETAIL 5 ON SHEET C9.00.

SANITARY SEWER NOTES:

- CONSTRUCT STANDARD ECCENTRIC MANHOLE (48") PER D.C.S.W.C.S. DWG. NO. SD-1. INSTALL CONCRETE COLLAR PER D.C.S.W.C.S. DWG. NO. SD-2.
- INSTALL WATER QUALITY PIPE PER DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, 1997.

REDUCED PRESSURE PRINCIPLE ASSEMBLY - 4-2": 1-1"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. 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.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY - 2-8"

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B.

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.

ABANDONMENT OF EXISTING SERVICE(S) - LARGER THAN 2" (2) 3" WM ACCOUNT NO. 773

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS IN PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING OF THE METER. AFTER THE FINAL READING THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICES AS FOLLOWS: ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE AND INSTALL A CAP, WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR SHALL THEN REMOVE AND /OR BACKFILL THE ABANDONED VAULTS.

SEWER CONTRIBUTION:

AVERAGE DAILY FLOW = 0.035 MGD
PEAK DAILY FLOW = 0.119 MGD

APPROVALS	
LVVWD:	DATE
CLV FIRE DEPARTMENT	DATE

BENCHMARK

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

SAFETY ALERT

Call Before You Overhead
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Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

REV	DESCRIPTION	DATE	BY
1	REVISION SEWER LOCATION	6/11/01	CLN
2	RECORD DRAWING	02/25/02	CLN

JMA ARCHITECTURE STUDIOS 2000

KEY MAP

(RECORD DRAWING)

DO NOT SCALE DRAWINGS

PROJECT NO.	10/31/00
DATE	10/31/00
DESIGNED BY	CLN
CHECKED BY	CLN
DATE	10/31/00
DESIGNED BY	CLN
CHECKED BY	CLN
DATE	10/31/00
DESIGNED BY	CLN
CHECKED BY	CLN
DATE	10/31/00

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CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT
4828 PEARL ST.
LAS VEGAS, NEVADA 89121

SUNRISE ACRES ELEMENTARY SCHOOL
UTILITY PLAN - SHEET 1

JMA ARCHITECTURE STUDIOS
10150 CONVENT CROSS DRIVE LAS VEGAS, NEVADA 89148 (702)731-2000

SHEET NO. C4.00
SHEET 10 of 26
DRAWING NUMBER 715-134

"As-Built Sheet 1"