

CLV SEWER NOTES

- 1) ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF LAS VEGAS DESIGN AND CONSTRUCTION STANDARDS FOR THE WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
- 2) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL MEET WITH THE APPROVAL OF THE CITY ENGINEER, GAS LATERALS PASS UNDER THE CURB.
- 3) CHASE, 3" OR 4" IN CUBES WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
- 4) POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034, SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
- 5) ALL MANHOLES IN PAVED STREETS EIGHTY (80) FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS, STREETS LESS THAN NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
- 6) FIT SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAINS. FIT SADDLES SHALL BE INSTALLED IN THE MAIN LINE, NOT IN THE LATERAL. FIT SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAINS. FIT SADDLES SHALL BE INSTALLED IN THE MAIN LINE, NOT IN THE LATERAL.
- 7) A SEWER MAN CROSSING OVER A WATER MAIN OR LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE ENCASED FOR A DISTANCE NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
- 8) ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
- 9) THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) INCH PER FOOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEWER MAINS FOUND TO EXCEED THIS TOLERANCE. THE CONTRACTOR SHALL REPAIR OR REMOVE AND REPLACE TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
- 10) INSTALLATION OF CURED SEWER REQUIRES SPECIAL CONSTRUCTION PROCEDURES AND INSPECTIONS. CONTACT CITY OF LAS VEGAS CONSTRUCTION SERVICES 24 HOURS PRIOR TO INSTALLATION.

LWMD STANDARD NOTES

- 1) LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES
- 2) NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LWMD COMMUNICATIONS CENTER (258-7171) PRIOR TO 2:00 PM THE BUSINESS DAY PRIOR TO A LWMD INSPECTION.
- 3) ALL WORK SHALL CONFORM TO LWMD STANDARD PLANS, DRAWINGS AND SPECIFICATIONS FOR WATER DISTRIBUTION SYSTEMS (WDCS), LATEST EDITION.
- 4) ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR SPECIFICATIONS, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
- 5) A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT. LATERALS TWO INCHES (2") IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LWMD APPROVED SERVICE SADDLES.
- 6) ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- 7) ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, CURBS AND VALLEY CUTS.
- 8) THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND A SANITARY SEWER OR STORM SEWER LINE CROSS:
- 9) A MINIMUM EIGHTEEN (18") VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED. IF THE WATER LINE IS INSTALLED UNDER THE SANITARY OR STORM SEWER LINE, THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE. THE SANITARY OR STORM SEWER LINE SHALL BE CONSIDERED WITH ONE OF THE FOLLOWING OR AS SHOWN ON THESE PLANS:
 - A. PORTABLE WATER SUPPLY QUALITY MATERIAL.
 - B. ENCASEMENT WITH FOUR INCH (4") CONCRETE (MINIMUM) SLEEVING WITH PORTABLE WATER SUPPLY QUALITY PIPE.
 - C. SLEEVING WITH PORTABLE WATER SUPPLY QUALITY PIPE.
- 10) EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE WATER MAIN, A MINIMUM TEN FOOT (10') DISTANCE PERPENDICULAR TO THE EXTERIOR OF MAIN.
- 11) WARNING TAPES SHALL BE REQUIRED OVER ALL MAINS, ALL SIX INCH (6") DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD POLE NO. 27.
- 12) ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, MEASURED, TESTED, FLUSHED, OILED, AND AN ACCEPTABLE WATER DISTRIBUTION SYSTEM.
- 13) THE CONTRACTOR MUST OBTAIN ALL METERS TWO INCHES (2") AND SMALLER FROM LWMD CENTRAL STORES. TELEPHONE 258-3132 AND FOURTY-FOUR (44) HOURS PRIOR TO PICKUP.
- 14) CONSTRUCTION MAY INTERRUPT SERVICE, WITH LWMD APPROVAL, 6:00 AM SUNDAY THROUGH THURSDAY, CIRCUMSTANCES THAT MAY REQUIRE TEMPORARY SERVICE FEED MUST HAVE PRIOR LWMD APPROVAL.
- 15) ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LWMD'S PRE-APPROVED MATERIALS AND SPECIFICATIONS. MATERIALS NOT LISTED SHALL BE SPECIFICALLY APPROVED ON THESE PLANS. LATEST EDITION OR SPECIFICALLY APPROVED ON THESE PLANS.

HABITAT FOR HUMANITY

HASSELL AVENUE CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

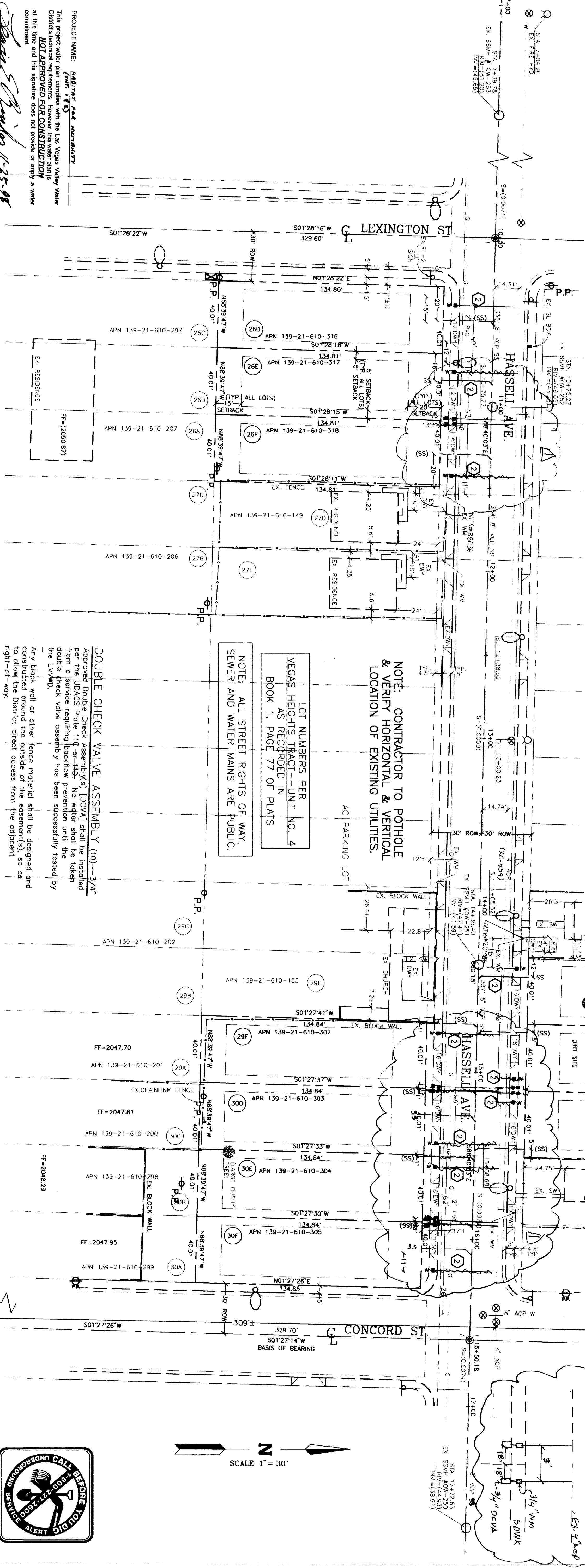
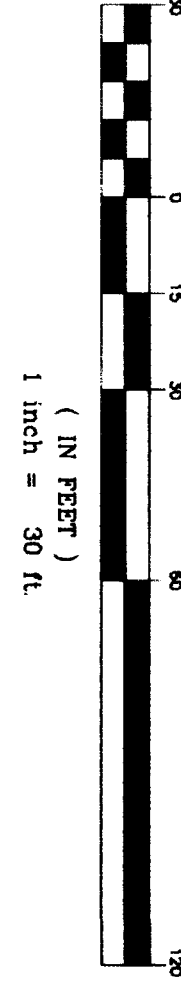
LEGEND

---	HABITAT PROPERTY LINE
---	NEIGHBOR'S PROPERTY LINE
---	STREET CENTERLINE
---	EX. CMU WALL
---	SETBACK LINE
---	EXIST. CONC. CURB & GUTTER
---	EXIST. CONC. SIDEWALK
---	SEWER LINE
---	EXISTING GAS LINE
---	EXISTING TELEPHONE CABLE
---	SS CLEANOUT
---	HP
---	HIGH POINT
---	LOT NUMBER
---	APN
---	ASSESSOR'S PARCEL NUMBER
---	SANITARY SEWER
---	EXIST. FIRE HYDRANT
---	EXIST. CMU WALL
---	EXIST. STREET LIGHT
---	POWER POLE
---	WATER LINE
---	EXISTING WATER LINE
---	TALL POWER POLE
---	FOUND AS NOTED
---	UNDERGROUND VAULT AS NOTED
---	PROP. WATER METER
---	DRIVEWAY

CONSTRUCTION NOTES:

- 1) CONSTRUCT DRIVEWAY PER USD 223.
- 2) TRENCH BACKFILL AND REPLACE AC PER USD 123.

GRAPHIC SCALE



QUANTITIES

- NOTE: CONTRACTOR TO FURNISH & INSTALL ALL SERVICE LATERALS.
- EXIST. 4" SEWER LATERALS 8 EA
- 4" SEWER LATERALS PER SD-17--30± 2 EA
- 1" COPPER WATER SERVICE LATERAL 10 EA
- 3/4" WATER METER PER UDACS 1B

BASIS OF BEARINGS

BEING NOTED: ALSO BEING THE CENTER LINE OF CONCORD STREET, AS SHOWN ON FILE 71, PAGE 7 OF SURVEYS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

APPROVALS

12-28-98
DATE
1/24/98
DATE

NOTE: LOTS TO HAVE INDIVIDUAL 1.5" RESIDENTIAL FIRE SPRINKLER SYSTEMS FOR FIRE PROTECTION. DOUBLE CHECK VALVE ASSEMBLY REQUIRED ON EACH METER.



HORIZONTAL CONTROL AND UTILITY PLAN HABITAT FOR HUMANITY IMPROVEMENT DRAWINGS HASSELL AVE LAS VEGAS, NV		APN'S 139-21-610-302, 303, 304 305, 125, 311, 312, 316, 317, 318	DWYER ENGINEERING INC. CIVIL ENGINEERS LAND SURVEYORS WATER RIGHTS LAND USE PLANNING 7010 SMOKE RANCH RD., SUITE E LAS VEGAS, NEVADA 89128 (702) 254-2200 FAX: (702) 254-2238	REVISIONS <table border="1"> <tr> <th>NO</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>8/24/99</td> <td>REVISED W. S. LATERALS ELEVATIONS</td> </tr> </table>	NO	DATE	DESCRIPTION	1	8/24/99	REVISED W. S. LATERALS ELEVATIONS	APPROVED <table border="1"> <tr> <th>DATE</th> <th>BY</th> </tr> <tr> <td>8/24/99</td> <td>[Signature]</td> </tr> </table>	DATE	BY	8/24/99	[Signature]	FILE NO. 107-V3002
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