CURRENT NORTH LAS VEGAS ADDENDA

SECTION 1

Section 1.01.73	Fire Service Meter	**ADD:** Type I is not approved for installation in the City of North Las Vegas service area.
Section 1.01.107	Pressure Reducing Valve (PRV) or Pressure Regulator	**ADD:** A valve for automatically sustaining or reducing water pressure in a main, lateral, or service line at or to a preset value. The term includes a pressure-reducing valve, a pressure-sustaining valve, and a valve that incorporates both features
Section 1.01.108	Pressure Regulating Valve	**ADD:** A valve to protect against downstream static pressure damage. Should the downstream flow be stopped, the regulator immediately responds and limits the downstream pressure thus preserving the integrity of the downstream appurtenances
Section 1.01.110	Pressure Vacuum Breaker	**ADD:** A vacuum breaker that: A. Contains an independently operating, internally loaded approved check valve, and an independently, loaded air inlet valve located on the discharge side of the approved check valve; and B. Is equipped with properly located, resilient seated test cocks and tightly closing, resilient seated shutoff valves that are attached at each end of the assembly.
Section 1.06	Overtime Inspection Fee	**ADD:** Overtime inspection shall apply whenever a contractor is performing work within the proximity of CNLV facilities outside of normal working hours.

SECTION 2

Section 2.03.01	Submittal of Hydraulic Analysis for Review and Approval	**Delete and replace with:** A. The hydraulic analysis report shall be submitted with the project design for review. However, for larger projects such as a major subdivision, submitting a hydraulic analysis report prior to water plan submission may be required
Section 2.03.04.B	Source HGL and Demand Calculations	**ADD:** In the written report of the analysis, account for these types of losses. Do not include these types of appurtenances in the model
Section 2.10.01 and 2.10.03	Steel Casing and Reinforced Concrete Pipe (RCP)	RCP casings are not approved for installation in the City of North Las Vegas service area.
Section 2.11.01	Valves	**ADD:** K. A minimum of two (2) valves shall be located at every mainline tee, or three (3) valves at every mainline cross.
Section 2.11.02.	Gate Valves	**ADD:** E. The installation of a valve vault is required for all gate valves greater than twelve (12) inches.
Section 2.12	Abandonment of Main	**ADD:** The City of North Las Vegas Utilities Department requires removal of main to be abandoned, unless otherwise approved by Engineering Services. If the main is allowed to be abandoned in place, it shall be filled with CLSM material.
Section 2.15	Mechanically Restrained Joints	**ADD:** Mechanically restrained joints are required for all mains twelve-inch (12") and larger, and maybe used for smaller diameter mains at the discretion of the City of North Las Vegas. The length of restrained joints shall be clearly identified on drawings, and calculations shall be submitted with the project for City of North Las Vegas' review and approval. Refer to the City of North Las Vegas web address (http://www.cityofnorthlasvegas.com/About/PDFs/MechanicalJointRestraints.pdf) for guidance.
Section 2.21.01	Fire Hydrants Location and Spacing	**ADD:** Within 15 feet from back of curb return or driveway in an industrial or commercial area.
Section 2.22.01.B.2.c.2 and 2.22.01.B.3	Parallel separations (Mains)	**ADD:** The City of North Las Vegas Utilities Department does not allow cement slurry encasement of water or sewer mains unless no other alternative can be utilized. Final decision is at the discretion of the City of North Las Vegas.
Section 2.22.02.B.3.c and 3.d	Crossing Separations (Mains)	**ADD:** The City of North Las Vegas Utilities Department does not allow cement slurry encasement of water or sewer mains unless no other alternative can be utilized. Final decision is at the discretion of the City of North Las Vegas.

Section 2.24.01.A	Taps 4 inches and larger	**ADD:** The City of North Las Vegas Utilities Department requires stainless steel tapping sleeves when tapping an existing Asbestos Cement Pipe.
Section 2.24.01.B	Taps 4 inches and larger	**ADD:** Size on size taps are not allowed in the City of North Las Vegas service area
Section 2.26.02.B & C	Size	**ADD:** The City of North Las Vegas Utilities Department requires easements in accordance with these Standards.
Section 2.27.02	Water Plan Drawing Submittal Requirements	**ADD:** All water system plans submitted to the City of North Las Vegas shall contain the most recent set of "Standard" Notes" required by the City of North Las VegasEngineering Services Division.
Section 2.27.02.13	Water Plan Drawing Submittal Requirements	**ADD:** Profiles will be provided for all mains greater than or equal to 8 inches in diameter.
Section 2.27.05.A	Approval Requirements	**ADD:** The City of North Las Vegas Utilities Department does not provide preliminary plan technical approval.
Section 2.28	Nevada Department of Transportation (NDOT) Permits	**ADD:** Refer to submittal application for NDOT Encroahment permit at http://www.cityofnorthlasvegas.com/About/PDFs/SubmittalAppforNDOTEncroachmentPermit.pdf for requirements.

SECTION 3

Section 3.01	Standard Specifications	**ADD:** The City of North Las Vegas Municipal Water Service District Rules and Regulations, latest edition, takes precedence.
Section 3.09	Record Drawings	**ADD:** Record Drawings as required under this section shall include at a minimum: 1. "As-Built" Format: A. 24"x36" Mylar (min. 4 mil. thickness). B. The word "As-Built" in large letters. C. Streets and easements identified. D. All "proposed" information removed, leaving only "As-Built" information. E. Digital Submittal (CD) per the City of North Las Vegas Utilities Department requirements. 2. Water "As-Builts" must include: A. Plan showing size, material and offset of main deflections (if any), location of service laterals at property lines (also stationing at main, if not perpendicular to the main), stationing of all fittings and appurtenances (fire hydrants, air vacs and blowoffs), stationing for all valves and offsets for valves on laterals and intersecting mains. B. Finished grade and top of pipe elevations every 600 feet, at intersecting mains and at grade changes for all mains 14" and larger or any mains installed in streets with right-of-way 80 feet or greater. C. Finished grade and top of gate valve operating "nut" elevations for all gate valves on mains. Make and model of gate valves to be given. D. Stationing and alignment of any existing utilities the main crosses at the time of installation.
Section 3.10.01.G	Excavation	**ADD:** The City of North Las Vegas Utilities Department does not allow CLSM to be placed in the pipe zone.
Section 3.10.04	Pipe Zone Backfill	**ADD:** The City of North Las Vegas Utilities Department does not allow CLSM to be placed in the pipe zone.
Section 3.10.05	Trench backfill	**ADD:** The City of North Las Vegas Trench Backfill Policy shall take precedence
Section 3.12	Installation of pipe casing	**ADD:** RCP Casings are not approved for installation in the City of North las Vegas service area.
Section 3.14.02	Connection to existing facilities	**ADD:** Size on size taps are not allowed in the City of North Las Vegas service area.

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Section 3.17.01	Cementatious Materials	**DELETE:** "II or" in the first sentence.
Section 3.19.05.B	Tapping Sleeves (other then steel pipe)	**ADD:** Stainless Steel tapping sleeves shall be used on Asbestos Cement Pipe in the City of North Las Vegas service area.
Section 3.19.05.C	Tapping Sleeves (other then steel pipe)	**ADD:** Note 3: Size on size taps are not allowed in the City of North Las Vegas service area.
Section 3.19.10	Polyethylene (PE) Tubing	**ADD:** Polyethylene (PE) tubing is not approved for water service installations
Section 3.19.14	Fire Hydrants	**ADD:** Private fire hydrants shall be painted red. Public fire hydrants shall be painted yellow.
Section 3.24.02.E	Lateral Installation	**ADD:** Coupling location to be determined by the City of North Las Vegas Utilities inspector.
Section 3.27.02	Disinfection	B. **ADD.** Required disinfection concentration levels may be attained utilizing tablets as outlined in ANSI/AWWA Standard C651-86.

STANDARD PLATES

PLATE 1	New Service Installation	Legend 3, **ADD:** Per Section 3.19.11. Legend 6, **ADD:** The City of North Las Vegas installs all meters 2" and smaller
PLATE 2	New Service Installation	Plate 2 is not approved for installation in the City of North Las Vegas service area.
PLATE 3	New Service Installation	Legend 3, **ADD:** Per Section 3.19.11. Legend 6, **ADD:** The City of North Las Vegas installs all meters 2" and smaller.
PLATE 4	New Service Installation	Plate 4 is not approved for installation in the City of North Las Vegas service area.
PLATE 6	Dual Residential Service Installation	Plate 6 is not approved for installation in the City of North Las Vegas service area.
PLATE 7	Dual Residential Service Installation	Legend 3, **ADD:** Per Section 3.19.11. Legend 6, **ADD:** The City of North Las Vegas installs all meters 2" and smaller
PLATE 8	Backflow Prevention Assembly	The City of North Las Vegas allows 3/4" backflow assemblies. Plate 8 is for the installation of 3/4" - 2" Backflow prevention assemblies. **ADD:** Note No. 5: When installing a Reduced Pressure Principle Backflow Assembly, the relief valve must be installed 12" to 14" above the concrete pad **ADD:** Note No 6: Provide and install a backflow preventer security system. Sentry model SG75-200 or approved equal. Legend 3, **ADD:** Brass Pipe to be used as risers on the upstream and downstream sides of the backflow assembly only. Type "K" copper to be used from the meter cock to the first 90 (Legend Item No. 2). Type "K" copper to also be used from the downstream 90 (Legend Item No. 2) to 12" past the concrete slab. Legend 5, **ADD:** Brass Unions do not need to be installed when installing a flanged backflow assembly.
PLATE 9	Dual Backflow Prevention Assembly	The City of North Las Vegas allows 3/4" backflow assemblies. Plate 8 is for the installation of 3/4" - 2" Dual Backflow prevention assemblies. **ADD:** Note No. 5: When installing a Reduced Pressure Principle Backflow Assembly, the relief valve must be installed 12" to 14" above the concrete pad **ADD:** Note No. 6: Provide and install a backflow preventer security system. Sentry model SG75-200 or approved equal.

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		Legend 3, **ADD:** Brass Pipe to be used as risers on the upstream and downstream sides of the backflow assembly only. Type "K" copper to be used from the meter cock to the first 90 (Legend Item No. 2). Type "K" copper to also be used from the downstream 90 (Legend Item No. 2) to 12" past the concrete slab.
		Legend 5, **ADD:** Brass Unions do not need to be installed when installing a flanged backflow assembly.
PLATE 19	Trench Section Backfill Specification Notes	**ADD** Note No. 10: Refer to the City of North Las Vegas Trench Backfill Policy.
PLATE 23	Casing Installation	Note No. 5 **ADD:** Casing to be filled with sand.
		ADD Note No. 7: The maximum distance from edge of spacer to inside of casing is one inch (1")
PLATE 30	Anchor Block Details	Note No. 1, **ADD:** Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design.
PLATE 31	Thrust Block Installation	Note No. 4, **ADD:** Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design.
		Note No. 7, **ADD:** Refer to section 2.15 of these standards.
PLATE 34	Excavation for Wet Taps	Size on size tap is not allowed in the City of North Las Vegas service area.
PLATE 36	2" Manual Blowoff Assembly	**ADD:** Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design .
		ADD: Note No. 5: Carsonite Marker required in unimproved areas.
PLATE 37	6" Manual Blowoff Assembly	**ADD:** Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design .
		ADD: Note No. 5: Carsonite Marker required in unimproved areas.
PLATE 38	Combination Air Valve	**ADD:** Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design .
PLATE 39	Valve Box Installation and Adjustment	**ADD:** Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design .
PLATE 40	Fire Hydrant Installation	Note No. 2, **ADD:** No fire hydrant shall be installed within fifteen (15) feet from back of a curb return or driveway within a commercial or industrial area
PLATE 51	Compound Meter with Bypass and Double Check Valve	Plate 51 is not approved for installation in the City of North Las Vegas service area.
PLATE 53	Type I Fire Service Meter	Plate 53 is not approved for installation in the City of North Las Vegas service area.
PLATE 55	Type III Fire Service Meter	Plate 55 is not approved for installation in the City of North Las Vegas service area.
PLATE 56	Compact Backflow Prevention Assembly	Legend 6, **ADD:** The pad size is to meet full opening requirements of the enclosure. Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design .
		Legend 7, **ADD:** In conformance with ASSE 1060, Category 2
		ADD: Note 8: For RPDA and DCDA, install a meter security system, Abloy Defender or approved equal.
PLATE 57	Dual Compact Backflow Prevention Assembly	Legend 6, **ADD:** The pad size is to meet full opening requirements of the enclosure. Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design .
		Legend 7, **ADD:** In conformance with ASSE 1060, Category 2
		ADD: Note 8: For RPDA and DCDA, install a meter security system, Abloy Defender or approved equal.

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PLATE 58	Dual Conventional Backflow Prevention Assembly	Legend 5, **ADD:** The pad size is to meet full opening requirements of the enclosure. Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design . Legend 7, **ADD:** In conformance with ASSE 1060, Category 2 **ADD:** Note 7: For RPDA and DCDA, install a meter security system, Abloy Defender or approved equal.
PLATE 59	Inline Backflow Prevention Assembly	Legend 3, **ADD:** The pad size is to meet full opening requirements of the enclosure. Refer to Clark County Interagency Quality Assurance Committee (IQAC) for concrete mix design . Legend 2, **ADD:** In conformance with ASSE 1060, Category 2 **ADD:** Note 5: For RPDA and DCDA, install a meter security system, Abloy Defender or approved equal.