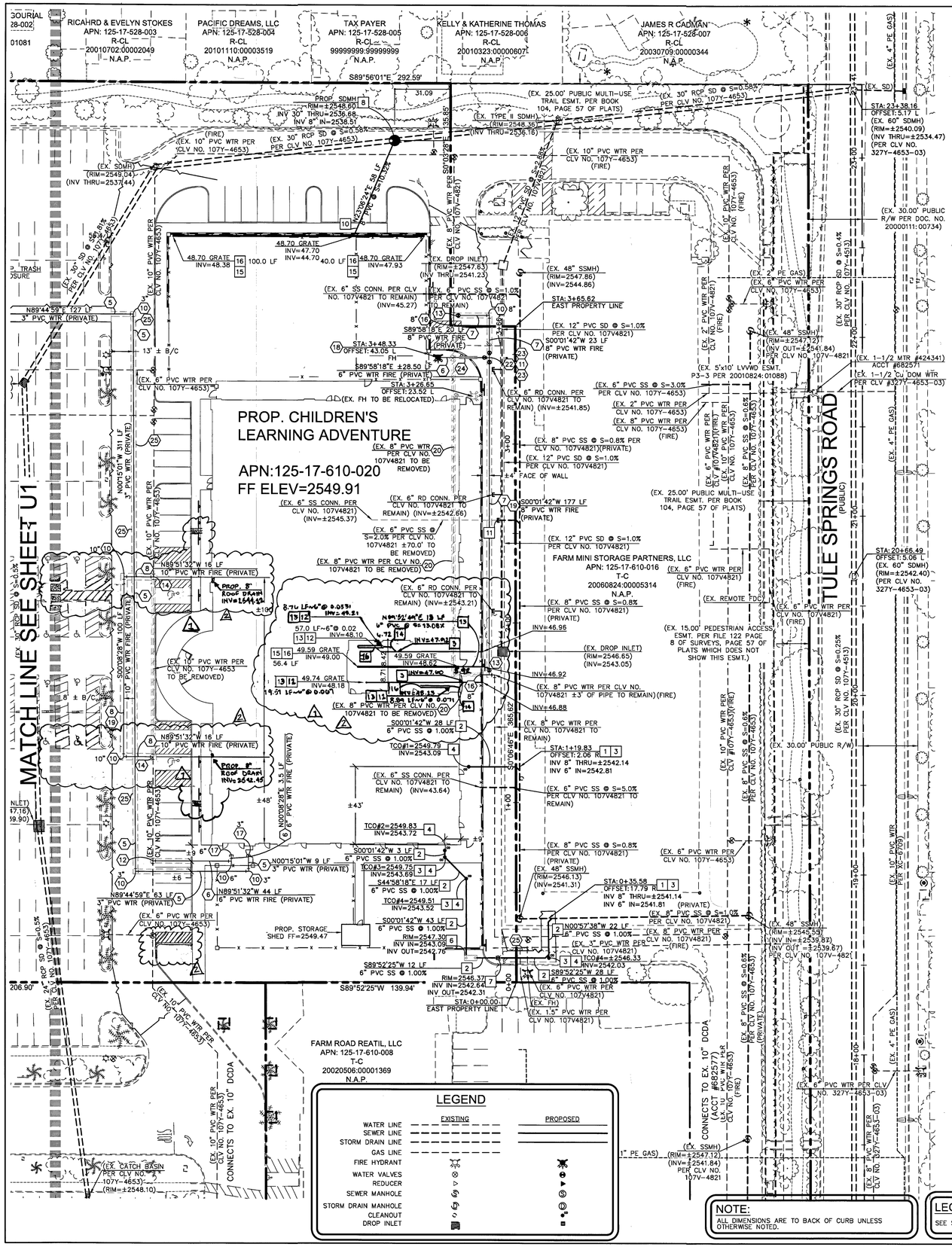
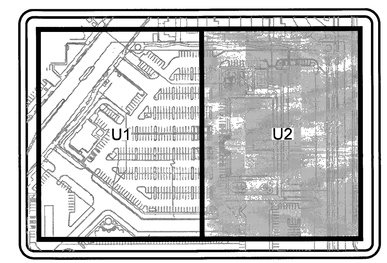
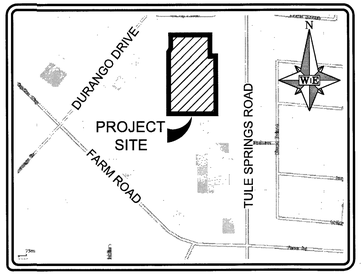


LEGEND

	EXISTING	PROPOSED
WATER LINE		
SEWER LINE		
STORM DRAIN LINE		
GAS LINE		
FIRE HYDRANT		
WATER VALVES		
REDUCER		
SEWER MANHOLE		
STORM DRAIN MANHOLE		
CLEANOUT		
DROP INLET		



KEY MAP
N.T.S.



VICINITY MAP
N.T.S.
GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 feet

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300
FEDERAL AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID LIFTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU OVERHEAD 1-702-227-2929

NO	WATER CONSTRUCTION NOTES ITEM
1	INSTALL 2" SERVICE SADDLE, 2" COPPER (Cu) LATERAL & 2" WATER METER PER UDACS PLATE 4
2	INSTALL 2" BRASS REQUIRED BETWEEN METER & RPPA
3	INSTALL 2" RPPA PER UDACS PLATE 8 (DOMESTIC)
4	AC PAVEMENT PATCH PER STD. DWG. NO. 500.5
5	INSTALL 3" SCH-40 PVC WATER LINE (PRIVATE) LENGTH PER PLAN
6	INSTALL 6" PVC WATER LINE C-900 (PRIVATE) LENGTH PER PLAN
7	INSTALL 8" PVC WATER LINE C-900 (PRIVATE) LENGTH PER PLAN
8	INSTALL 10" PVC WATER LINE C-900 (PRIVATE) LENGTH PER PLAN
9	INSTALL 45° BEND PER UDACS PLATE 31 – SIZE PER PLAN
10	INSTALL 90° BEND PER UDACS PLATE 31 – SIZE PER PLAN
11	INSTALL 8"x 6" TEE PER UDACS PLATE 31
12	INSTALL 10"x 6" TAPPING TEE & 6" TAPPING VALVE PER UDACS PLATE 34 & 39
13	INSTALL 8"x 8" TAPPING TEE & 8" TAPPING VALVE PER UDACS PLATE 34 & 39
14	INSTALL 10"x 10" TAPPING TEE & 10" TAPPING VALVE PER UDACS PLATE 34 & 39
15	NOT USED
16	CAP PER UDACS PLATE 31 – SIZE PER PLAN
17	CAP – SEE PLUMBING PLANS FOR CONTINUATION – SIZE PER PLAN
18	INSTALL FIRE HYDRANT PER UDACS PLATE 40
19	CONSTRUCT TRENCH BACKFILL PER UDACS PLATE 17
20	REMOVE EXISTING 8" PVC WATER MAIN, VALVES, FITTINGS & FIRE HYDRANT
21	NOT USED
22	6" GATE VALVE PER UDACS PLATE 30 & 39
23	8" GATE VALVE PER UDACS PLATE 30 & 39
24	INSTALL 16" C-905 PVC CASING PER UDACS PLATE 23 – 10 LF
25	AC PAVEMENT PATCH TO MATCH EX. PAVEMENT SECTION & SOILS REPORT
26	6'x 6' LVVWD EASEMENT (NON-EXCLUSIVE)
27	3"x 2" REDUCER

NO	SEWER & STORM DRAIN CONSTRUCTION NOTES ITEM
1	CONTRACTOR TO VERIFY INVERT PRIOR TO CONSTRUCTION
2	INSTALL SDR-35 PVC SEWER LATERAL PER SD-17 & 22 – SIZE PER PLAN
3	INSTALL WYE & 45° BEND PER SD-22
4	INSTALL SEWER CLEAN OUT PER SD-26 – SIZE PER PLAN
5	NOT USED
6	500 GALLON GREASE INTERCEPTOR-JENSEN #JP500EE-G OR APPROVED EQUAL w/ TRAFFIC RATED FRAME & COVER
7	SCHIIER PRODUCTS (800-827-7119) POLY SAMPLING MANHOLE #SV24-04 OR APPROVED EQUAL w/ TRAFFIC RATED FRAME & COVER
8	INSTALL 72" MANHOLE PER SD-1A, SD-3 & SD-7
9	INSTALL "NDS" (PART #918B) (800-726-1998) 6" ROUND HEEL-PROOF BRASS GRATE w/ 6" 90° BEND & 6" RISER OR APPROVED EQUAL
10	INSTALL 8" SDR-35 PVC SEWER PER SD-17 & 22
11	INSTALL 6" SEWER CAP
12	CONNECT PLANTER DRAIN (SEE SHT L4.5) TO 6" PVC STORM SEWER
13	INSTALL SDR-35 PVC PIPE PER SD-17 – SIZE PER PLAN
14	NOT USED
15	CONSTRUCT AREA DRAIN/TRENCH DRAIN PER STD DWG #421 – SHEET 3 OF 3 – 4" PLACARD
16	CONSTRUCT ZURN (800-906-5060) #Z806 TRENCH DRAIN w/ LONGITUDINAL SLOTTED, HEEL PROOF, DUCTILE IRON GRATE OR APPROVED EQUAL

EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL OR FENCE

TREES, SHRUBS, OR DECORATIVE ROCKS AND ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULTS(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT PROPERTY.

NOTE:

1. EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER.

2. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

3. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.

4. ALL SEWER LENGTHS SHOWN ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.

5. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

6. SEE H1 SHEET FOR FIRE LANE LOCATION.

7. SEE ARCHITECTURAL PLANS FOR ALL CONNECTION DETAILS AT THE BUILDING.

8. SEE LANDSCAPE PLANS BY OTHERS FOR ALL IRRIGATION AND LANDSCAPING INFORMATION.

9. SEE SHEET C2 FOR QUANTITIES.

10. THIS PROJECT IS PART OF AN EXISTING COMMERCIAL SUBDIVISION.

STATIC PRESSURE NOTE:

THIS PROPERTY MAY HAVE 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 TEH ACCEPTANCE OF LVVWD FACILITIES.

NOTE:

ALL ABOVE GROUND UTILITY AND MECHANICAL EQUIPMENT ALONG THE STREET FRONT SHALL BE SUFFICIENTLY SCREENED WITH LANDSCAPE VEGETATION IN ACCORDANCE WITH TITLE 19.06 AND 19.08 OF THE UNIFIED DEVELOPMENT CODE (UDC).

REDUCED PRESSURE PRINCIPLE ASSEMBLY - (1) 2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINICIPLE 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.

BENCHMARK

5LV90 17E4: A RIVET AND ROUND ALUMINUM PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF FARM ROAD AND TULE SPRING ROAD.

ELEVATION 775.021 METERS – PUBLISHED

ELEVATION 2542.71 U.S. SURVEY FEET – COMPUTED

NOTE:

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

LEGAL DESCRIPTION

SEE SHEET C1 FOR FULL LEGAL DESCRIPTION

BASIS OF BEARINGS

NORTH 00°07'35" WEST, BEING THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, COUNTY OF CLARK, STATE OF NEVADA.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NUMBER 124164 DATE: 5/5/16
APPROVED FIRE FLOW 2500 GPM AT 20 PSI RESIDUAL

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: DATE: 4/27/16

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

FIRE FLOW 2500 GPM AT 20 PSI RESIDUAL.

CLV DRAWING NO. 107V6621

WALKER ENGINEERING, LLC
5765 S. RAINBOW BLVD.
SUITE 101
LAS VEGAS, NV 89118
TEL: 702.873.5197
FAX: 702.873.5346

REVISIONS

DATE	REV	DESCRIPTION OF REVISION	INITIALS
12/5/16	2	REMOVE ROOF DRAINS TO CONNECT ON-SITE STORM DRAIN & OUTLET TO SWALE & 30' DRAIN. REVISED ISLAND PER LVVWD METER LOCATION	SB
9/22/16	1	REVISED CONSTRUCT DRAINAGE PER DWGS. & ADD EOP DRAIN	SB

APPROVAL

CHILDREN'S LEARNING ADVENTURE @ DURANGO & FARM

UTILITY PLAN 2

SUBMITTAL NO. FINAL
DATE: APRIL 25, 2016
WE PROJECT NO. 1355.01
AGENCY NO. CLV# 62573
SHEET NO.: U2
11 OF 11 SHEETS

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