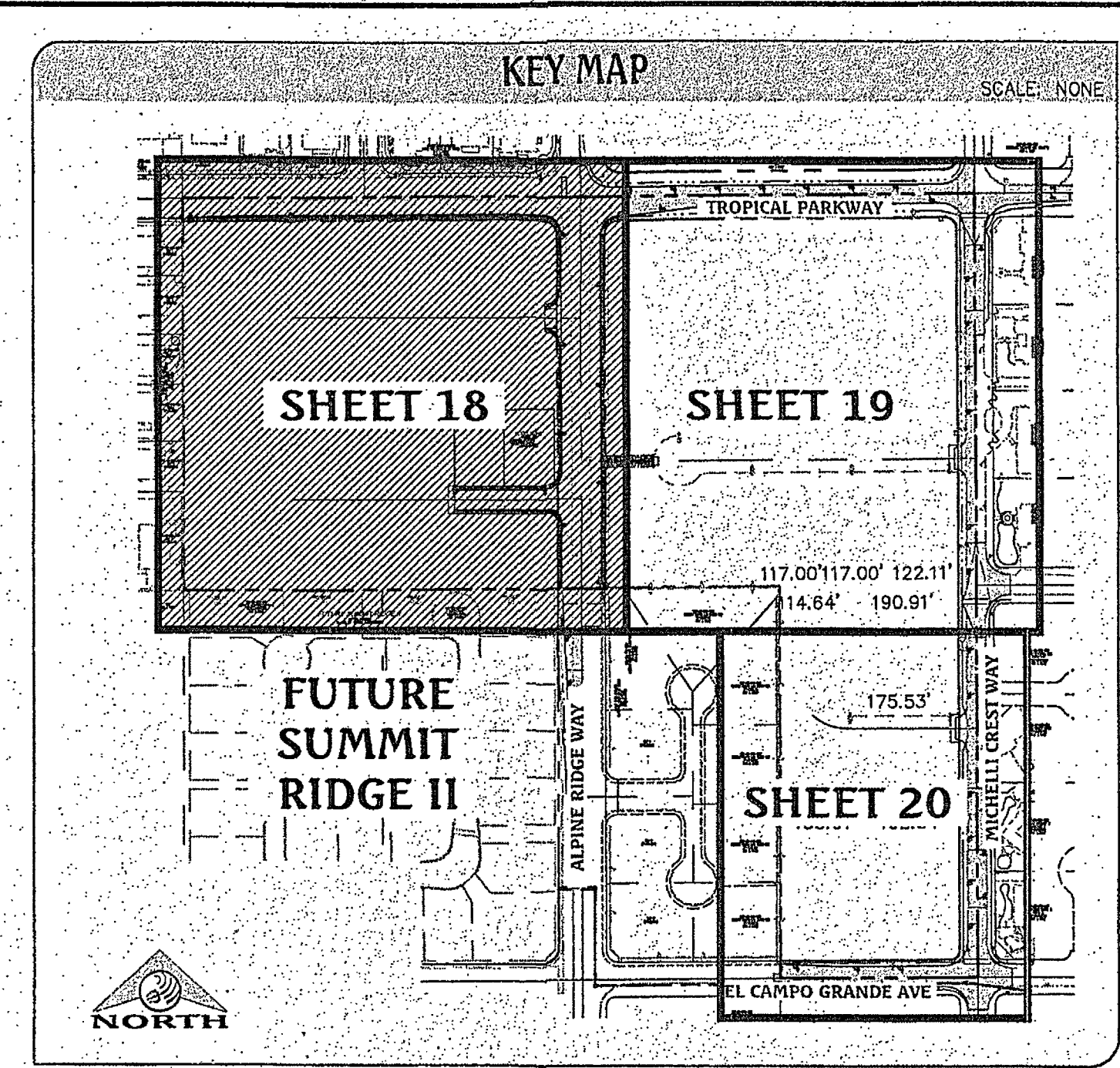
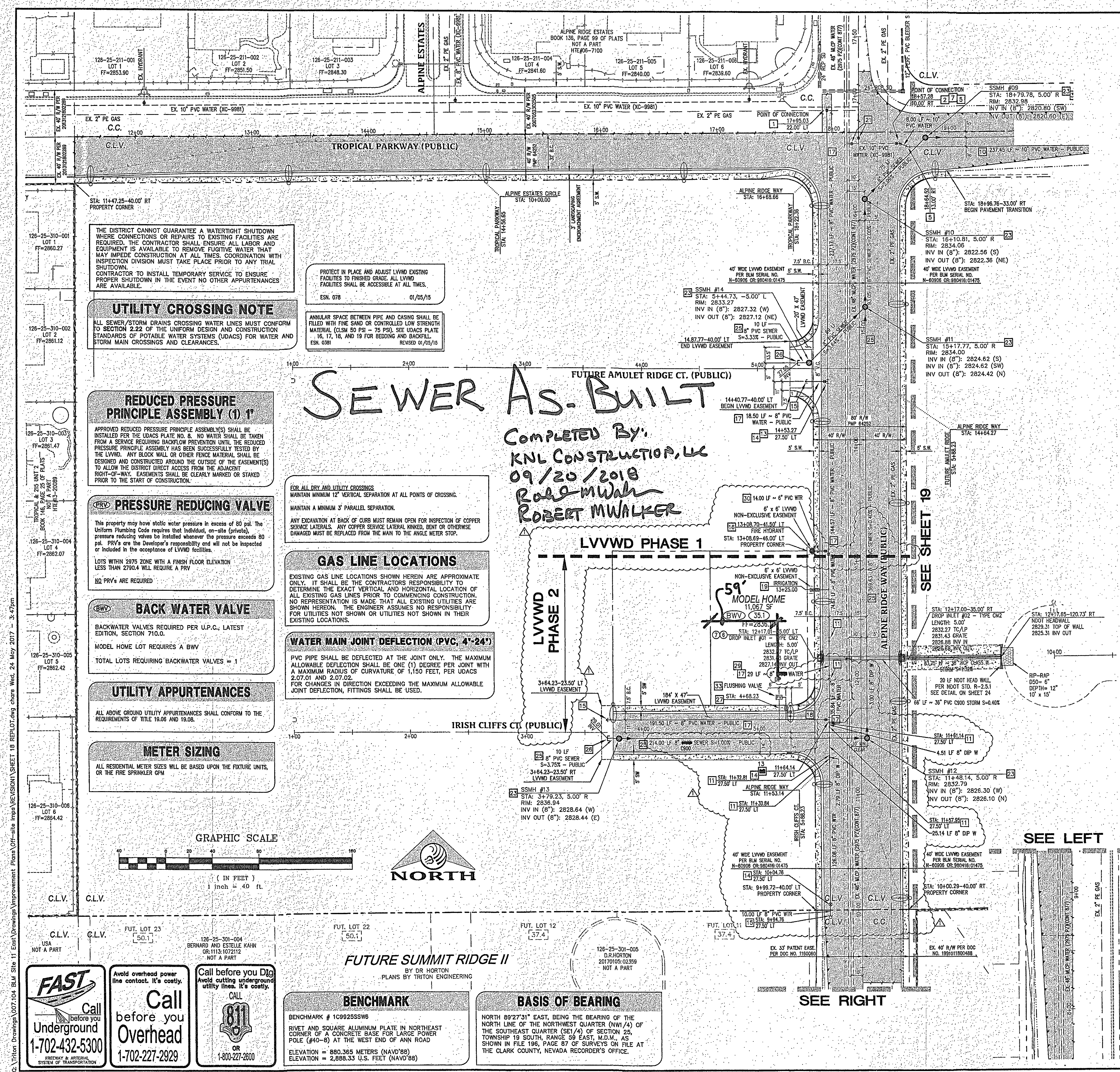




WATER & SEWER CONSTRUCTION NOTES	
1	POC (2975 P2) - INSTALL 10" TAPPING SLEEVE WITH 5" TAPPING VALVE PER UDACS PLATE NO. 30, 34 & SEC. 2.24.01B
2	POC (2975 P2) - REMOVE EXISTING BLOW OFF W/ CAP PER UDACS PLATE NO. 36 AND INSTALL 10" GATE VALVE & 22.5" BEND PER UDACS PLATE NO. 31
3	POC (2975 P2) - REMOVE EXISTING BLOW OFF W/ CAP PER UDACS PLATE NO. 36 AND INSTALL 8" 45° BEND PER UDACS PLATE NO. 31
4	POC (2975 P2) - INSTALL 8" TAPPING SLEEVE WITH TAPPING VALVE PER UDACS PLATE NO. 30, 34, 36 & SEC. 2.24.01B
5	INSTALL 10" 22.5° BEND PER UDACS PLATE NO. 31
6	INSTALL 10" 90° BEND PER UDACS PLATE NO. 31
7	INSTALL 10" GATE VALVE PER UDACS PLATE NO. 30 AND 39
8	INSTALL 10"x8" REDUCER PER UDACS PLATE NO. 30
9	INSTALL FIRE HYDRANT ASSEMBLY WITH 6" GATE VALVE AND 10"x6" TEE PER UDACS PLATE NO. 39 & 40
10	INSTALL 10" PVC WATER PIPE PER UDACS PLATE NO. 17
11	INSTALL 8" 45° BEND PER UDACS PLATE NO. 31
12	INSTALL 8" 90° BEND PER UDACS PLATE NO. 31
13	INSTALL 8" TEE PER UDACS PLATE NO. 31
14	INSTALL 8" GATE VALVE PER UDACS PLATE NO. 30 AND 39
15	INSTALL 2" BLOW OFF ASSEMBLY WITH CAP PER UDACS PLATE NO. 36
16	INSTALL FIRE HYDRANT ASSEMBLY WITH 6" GATE VALVE AND 8"x6" TEE PER UDACS PLATE NO. 39 & 40
17	INSTALL 8" PVC WATER PIPE PER UDACS PLATE NO. 17
18	INSTALL 1" COPPER WATER SERVICE W/ 3/4" METER PER UDACS PLATE NO. 4
19	INSTALL 3/4" BRASS IRRIGATION METER W/ 1" RPPA (BETWEEN METER & RPPA)
20	EX. 6" BLOW OFF, PROTECT IN PLACE, ADJUST RIM PER UDACS PLATE NO. 37
21	EX. WATER GATE VALVE, PROTECT IN PLACE, ADJUST/REPLACE CONCRETE COLLAR PER UDACS PLATE NO. 39
22	POC - CONNECT TO EXISTING 8" SEWER, REPLACE EXISTING 48" MANHOLE PER DCSWS SD-1A, SD-1B, SD-4 WITH PRECAST BASE
23	INSTALL 48" MANHOLE PER DCSWS SD-1A, SD-1B, SD-4 WITH PRECAST BASE, WITH 24" SINGLE COVER
24	INSTALL 48" SHALLOW MANHOLE "B" PER DCSWS SD-13, SD-1A, SD-1B, SD-4 WITH PRECAST BASE
25	INSTALL 8" PVC SEWER PIPE PER DCSWS SD-16
26	INSTALL STUB & CAP WITH 1 CUBIC-FT THRUST BLOCK
27	INSTALL 4" PVC SEWER LATERAL WITH MARKER BALL & CURB MARKING PER DCSWS SD-22 AND SD-29
28	INSTALL (2 EA) 4" PVC IRRIGATION CONDUIT
29	INSTALL WATER MAIN CROSSING PER UDACS PLATE NO. 22 AND 23
30	INSTALL 8" PVC WATER PIPE PER UDACS PLATE NO. 17
31	INSTALL 8" 22.5° BEND PER UDACS PLATE NO. 31
32	INSTALL 10"x8" CROSS PER UDACS PLATE NO. 31
33	INSTALL FLUSHING VALVE & WATER QUALITY MITIGATION STATION, SEE VALVE DETAIL 1/20
34	SEWER MANHOLE TO BE CONSTRUCTED WITH WATERTIGHT JOINTS PER UDACS SECTION 2.22.01-B2 AND DCSWS 4.9.7

FIRE FLOW CALCULATIONS	
THE FIRE FLOW REQUIREMENT IS: 1,750 GALLONS PER MINUTE 20 PSI RESIDUAL PRESSURE.	
BASED ON:	
SQUARE FOOTAGE:	4,800 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	N/A SQUARE FEET
BUILDING HEIGHT:	25 FEET-4 INCHES
NUMBER OF STORIES:	2 FLOORS
TYPICAL CONSTRUCTION:	V-NON RATED
OCCUPANCY:	RESIDENTIAL
FULL AUTOMATIC FIRE SPRINKLER SYSTEM (NFPA 13D) FOR SQUARE FOOTAGES GREATER THAN 4,800 S.F. YES	

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 10/20/2017 PROJECT NO.: 124612
LVWD APPROVED FIRE FLOW - 1,750 GPM @ 20 PSI RESIDUAL

APPROVALS
LAS VEGAS FIRE AND RESCUE
DATE: 10/20/2017

SEWER AS-BUILT
OFF-SITE IMPROVEMENT PLANS
UTILITY PLAN 1
SHEET 18 OF 25
C.L.V. DWG.# 66442

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CIVIL
No. 9552

DR. HORTON
BLM SITE 11
OFF-SITE IMPROVEMENT PLANS
UTILITY PLAN 1
SHEET 18 OF 25
C.L.V. DWG.# 66442

PROJ #124612 AGR#16026 GS 126-25-SE XC# 11283
HTE#16-54282