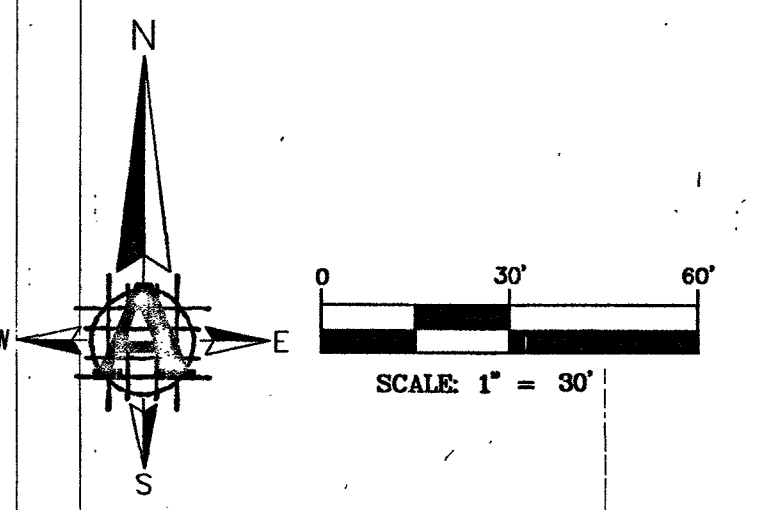
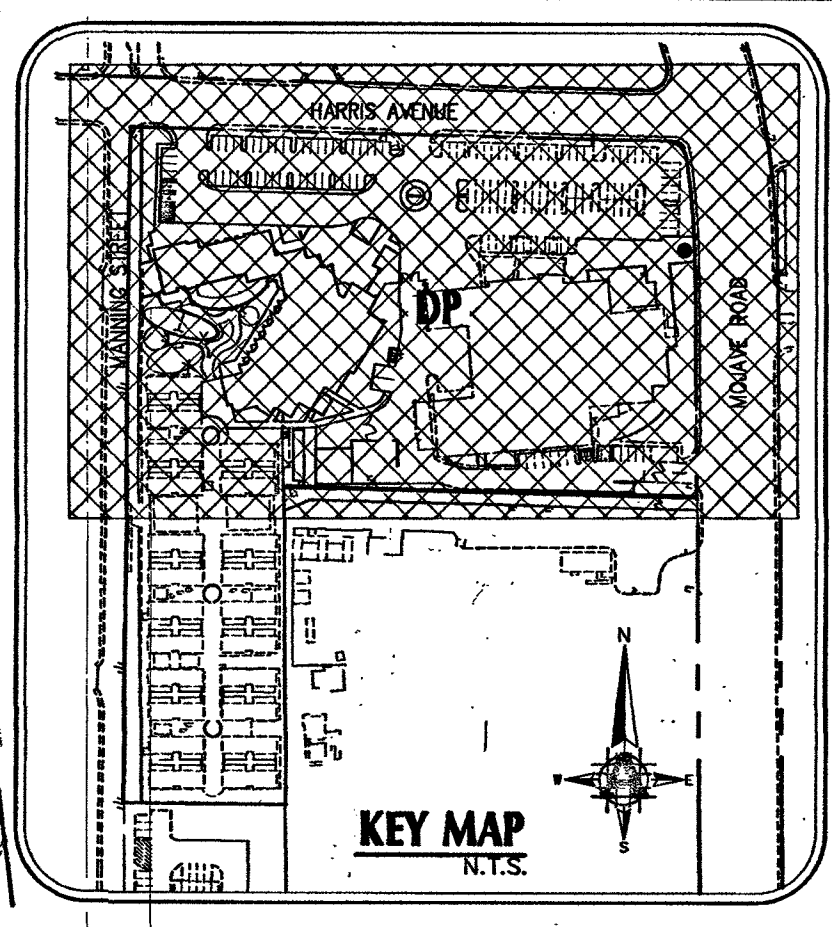
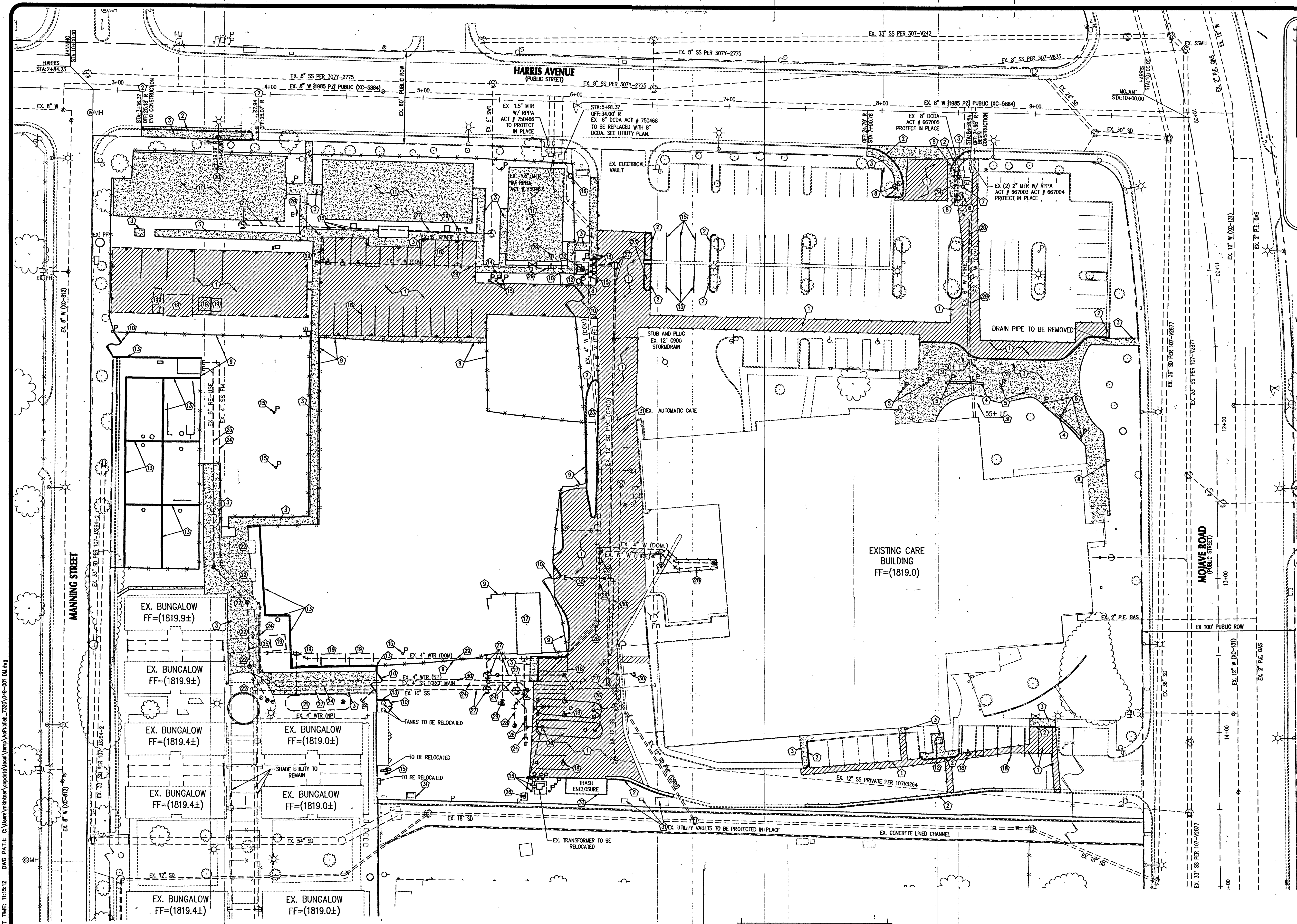




LEGEND

- PALM TREE
- SINGLE TREE
- FIRE HYDRANT
- METER / UTILITY
- MANHOLE
- STREET LIGHT
- LIGHT POLE
- UTILITY POLE
- SIGNS
- CURB / GUTTER
- FENCE
- EXISTING PAVEMENT
- WALL
- TREE LINE
- A/C PAVEMENT TO BE DEMOLISHED
- CONCRETE TO BE REMOVED

DEMOLITION NOTES:

1. SAWCUT & REMOVE EX. A.C. PAVEMENT
2. REMOVE EX. CURB AND/OR GUTTER TO NEAREST JOINT
3. REMOVE EX. CONCRETE SIDEWALK TO NEAREST JOINT
4. REMOVE EX. CONCRETE SEAT WALL
5. REMOVE EX. LIGHT BOLLARD
6. REMOVE EX. POST INDICATOR VALVE (P.I.V.)
7. REMOVE EX. FIRE DEPARTMENT CONNECTION (F.D.C.)
8. REMOVE EX. SIGN
9. REMOVE EX. FENCE
10. REMOVE EX. GATE
11. REMOVE EX. BUILDING AND/OR CONCRETE FOUNDATION
12. REMOVE EX. TRANSFORMER
13. REMOVE EX. SCREEN WALL
14. REMOVE EX. UTILITY VAULT
15. REMOVE EX. POST OR BOLLARD
16. EX. POWER POLE TO BE REMOVED OR RELOCATED BY CONTRACTOR
17. EX. SHED/STORAGE CONTAINERS TO BE REMOVED BY CONTRACTOR
18. OBLITERATE EX. STRIPING
19. EX. STREETLIGHT TO BE RELOCATED. SEE UTILITY PLAN.
20. REMOVE EX. "LIVING MACHINE" & ASSOCIATED UTILITIES
21. EX. SOLAR PANELS TO BE REMOVED FOR CONSTRUCTION AND REPLACED/RELOCATED BY CONTRACTOR.
22. REMOVE EXISTING MEDIAN ISLAND.
23. REMOVE EXISTING SEWER FORCE MAIN.
24. REMOVE EXISTING REUSE WATER.
25. REMOVE EXISTING WATER TANKS, FILTER AND PUMPS.
26. REMOVE EXISTING SEWER MANHOLE, MAIN OR STRUCTURE.
27. REMOVE EXISTING FIRE WATER MAIN.
28. REMOVE EXISTING DOMESTIC WATER
29. REMOVE EXISTING NON-POTABLE WATER
30. PROTECT IN PLACE
31. INSTALL GATE VALVE, CAP AND 2" B/O SEE UTILITY PLAN.
32. REMOVE EXISTING TRASH ENCLOSURE
33. REMOVE EXISTING FIRE HYDRANT

NOTE: SEE UTILITY PLANS FOR ALL EXISTING UTILITY RELOCATIONS

NOTE TO CONTRACTOR:
1. CONTRACTOR TO COORDINATE DEMOLITION AND CONSTRUCTION PHASING WITH TEMPORARY AND PERMANENT OPERATIONS MAINTAINING WET & DRY UTILITIES AS NECESSARY.
2. UTILITY DEMOLITION/REMOVAL COMPLETED WITH EXTREME CAUTION AND IN COOPERATION WITH ANIMAL FOUNDATION STAFF. AVAILABLE AS-BUILT INFORMATION MAY BE INCOMPLETE.

BENCHMARK #1LV01 2556
RIVET AND PLATE IN TOP OF CURB SW CORNER OF MOJAVE AND HARRIS, SECTION 25, TOWNSHIP 20 SOUTH, RANGE 81 EAST, N.M.D. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA. 563.408 METERS - 1815.78 FEET
BASIS OF BEARINGS
SOUTH 88°41'44" EAST, BEING THE BEARING OF THE CENTERLINE OF HARRIS AVENUE AS SHOWN BY MAP THEREOF IN FILE 108, PAGE 75 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

NOTE:
ADVANTAGE CIVIL DESIGN GROUP ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

FAST
Call before you Dig
Call 811
before you UnderGround
1-702-432-5300
1-800-227-2600

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

APPROVED FOR CONSTRUCTION
WISHAP, R.R.
LAS VEGAS VALLEY-WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 125185 DATE: 4/12/17

ADVANTAGE CIVIL DESIGN GROUP LLP
2920 N. GREEN VALLEY PARK, BLDG. 4, STE. 4422
HENDERSON, NEVADA 89014
Other: 702.452.2254
Fax: 702.456.2254
Email: MAIL@ADVANTAGECIVIL-NEV.COM

ADVANTAGE CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
EX. 12517
NO. 150585

DEMOLITION PLAN
THE ANIMAL FOUNDATION
REGIONAL ANIMAL CAMPUS

REVISIONS
NO. DATE DESCRIPTION
1 04/12/17
2 04/12/17
3 04/12/17
4 04/12/17
5 04/12/17
6 04/12/17
7 04/12/17
8 04/12/17
9 04/12/17
10 04/12/17

JOB NUMBER: 049-001
DRAWN BY: TH
DESIGNED BY: MK
CHECKED BY: JM
DATE: 04/2017
H# 68001
DP
107V 3314-3

PLANNING
CIVIL ENGINEERING
CONSULTING

PROJECT: 125185 AGR:116188 GS:139-25-SW

11/18/24 DWG PATH: N:\Animal Foundation\049-001 Animal Foundation\049-001 UT.dwg PLOT TIME: 04:06:17



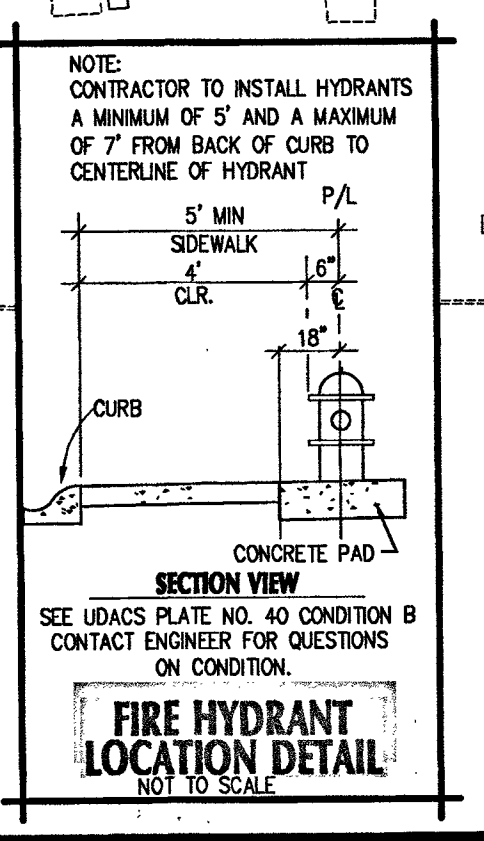
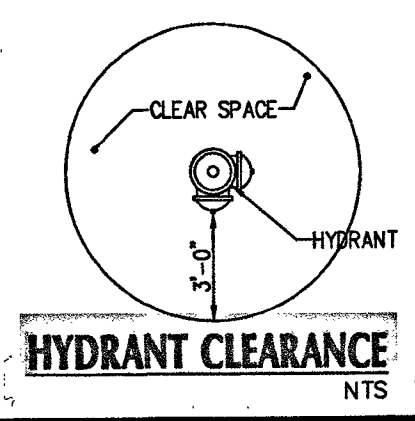
Call before you Dig
Underground
1-702-432-5300
1-800-227-2600

Call before you Dig
Underground
1-702-432-5300
1-800-227-2600

NOTE:
ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 19.08.
BENCHMARK #11V01 25S6
RIVET AND PLATE IN TOP OF CURB SW CORNER OF MOHAVE AND HARRIS, SECTION 25, TOWNSHIP 20 SOUTH, RANGE 61 EAST, NAD 83, CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.
563.4508 METERS - 1815.78 FEET
BASIS OF BEARINGS
SOUTH 88°41'44" EAST, BEING THE BEARING OF THE CENTERLINE OF HARRIS AVENUE AS SHOWN BY MAP THEREOF IN FILE 106, PAGE 7 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

UTILITY NOTES:

- ADVANTAGE CIVIL DESIGN GROUP ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.
- ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FOURTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL (REF. UDACS 2.17.01.01).
- GATE VALVES SHALL NOT BE LOCATED IN STREET GUTTERS, VALLEY GUTTERS, OR IN DRIVEWAYS PER UDACS FOR WATER DISTRIBUTION STANDARDS SECTION 2.11.01.01.
- ALL SEWER AND STORM DRAIN 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 CROSSING AND CLEARANCES.
- LOTS MAY HAVE 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. PRIVATE PRESSURE REDUCING VALVES ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.



WATER MAIN JOINT DEFLECTION (PVC 4\"/>

ESTIMATED SEWER CONSTRUCTION:
17,000 GPD: 0.017 MGD
0.017 MGD * 3.3 (PEAK FACTOR) = 0.0561 MGD

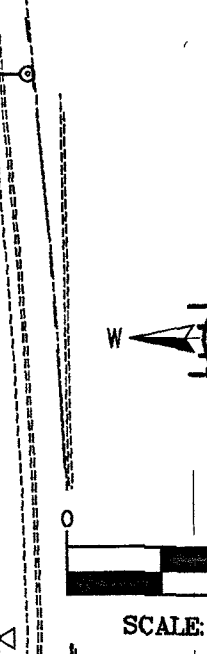
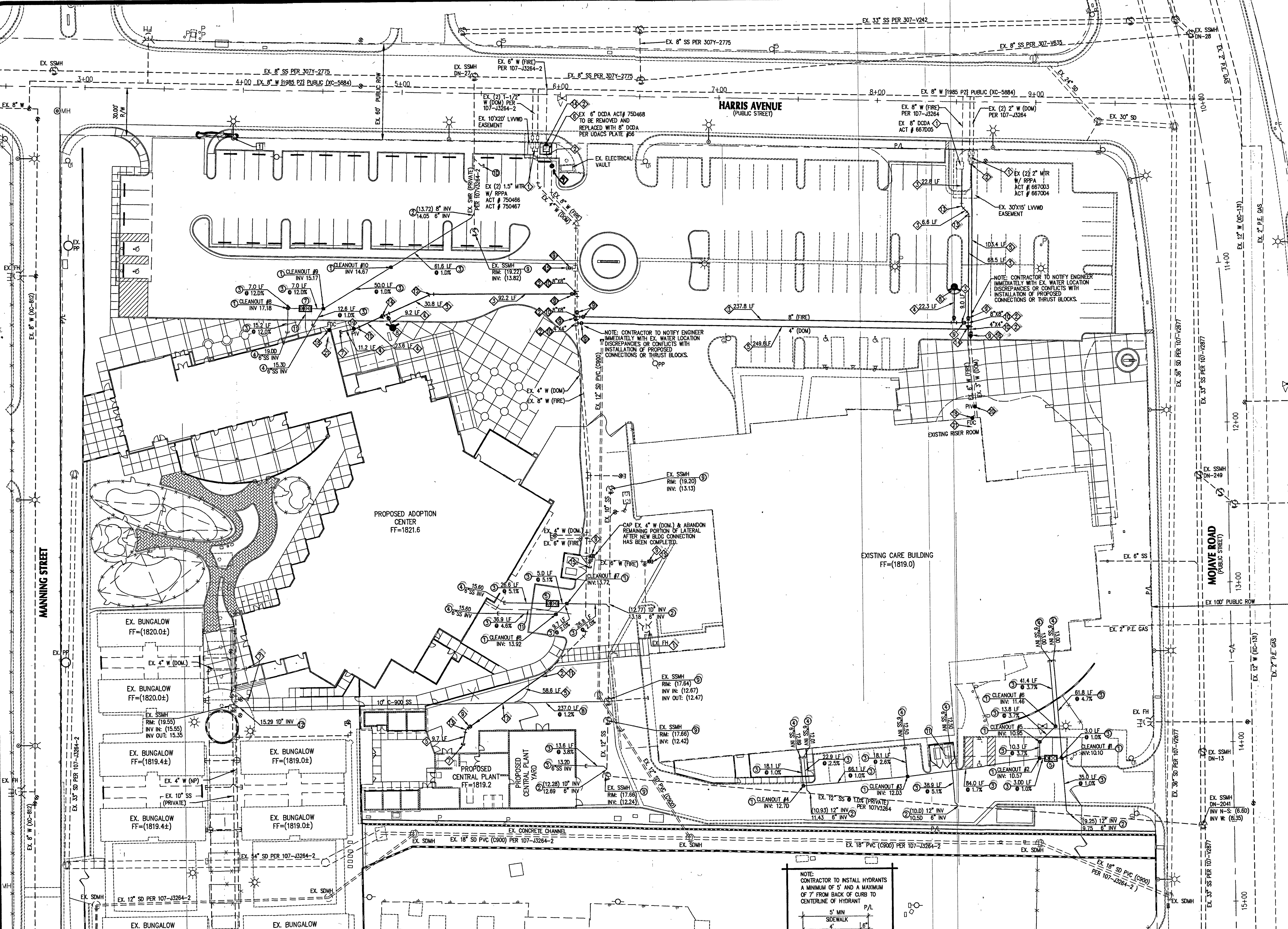
REVIEWED FOR CODE COMPLIANCE
JUN - 7 2017 BE
CITY OF LAS VEGAS
BUILDING AND SAFETY
Civil Plumbing
coordination only

APPROVALS
CITY OF LAS VEGAS FIRE DEPARTMENT
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 2,375 GPM AT 20 PSI RESIDUAL.

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 125185 DATE: 4/12/17
LVWD APPROVED FIRE FLOW 2,375 GPM AT 20 PSI RESIDUAL
CLV DWG# 107V3264-3

REVISIONS
NO. DATE DESCRIPTION
1 11/19/17 REVISE NEW ADOPTION CENTER FIRE FLOW
2 04/20/17
3
4
5
6
7
8
9
10

PROJ#125185 AGR:16168 QS:135-25-SW



LEGEND

CENTER LINE	PVC W
RIGHT-OF-WAY	PVC SS
PROPOSED WATER	EX. WATER LINE
PROPOSED SEWER	EX. SEWER LINE
EXISTING WATER	EX. GAS
EXISTING SEWER	EX. GAS
EXISTING GAS	EX. GAS
PROPOSED SANITARY	SS
EXISTING EDGE PWT	WAT
SANITARY SEWER	PVT
WATER	INV
PRIVATE	ELEV
INVERT	MH
ELEVATION	
MANHOLE	
BACKWATER VALVE	BWV
PRESSURE REDUCER VALVE	PRV

FIRE FLOW CALCULATIONS

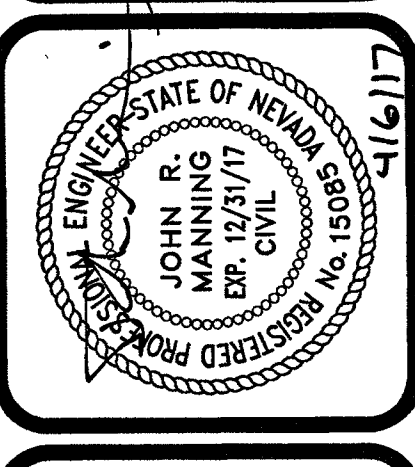
	PROPOSED ADOPTION	EX. CARE	CENTRAL PLANT
FIRE FLOW REQUIREMENT (GPM) AT 20 PSI RESIDUAL PRESSURE	2,375	2,375	1,500
BASED ON SQUARE FOOTAGE	31,932	47,800	1,880
LARGEST AREA BETWEEN 1-HOUR BUILDING SEPARATION WALLS (SF)	N/A	N/A	N/A
BUILDING HEIGHT (FEET)	<40'	<40'	<40'
NUMBER OF STORIES	2	2	1
TYPE OF CONSTRUCTION	V-B	III-B	V-B
OCCUPANCY	B	B	U
FULL AUTOMATIC FIRE SPRINKLER SYSTEM	YES	YES	NO
SPRINKLER DEMAND	650 GPM MAX	650 GPM MAX	N/A

- WATER CONSTRUCTION NOTES**
- EXISTING UTILITY PROTECT IN PLACE
 - CONNECT TO EXISTING WATERMAIN
 - INSTALL 8" PVC WATERLINE (FIRE) (PRIVATE) (CLASS 150)
 - INSTALL 8" PVC WATERLINE (FIRE) (PRIVATE)
 - INSTALL 4" PVC WATERLINE (DOM) (PRIVATE)
 - REMOVE EXISTING 8" DCA PER UDACS PLATE #30
 - INSTALL 8" DCA PER UDACS PLATE #30
 - SEE PLUMBING PLANS FOR CONTINUATION
 - INSTALL FIRE HYDRANT ASSEMBLY W/ 8" 90° TEE & 6" GV PER UDACS PLATE #40 & #31
 - INSTALL GATE VALVE (MATCH SIZE) PER UDACS PLATES #30 AND #39
 - INSTALL TEE WITH THRUST BLOCK PER UDACS PLATE #31
 - INSTALL 11.25' BEND (MATCH SIZE)
 - INSTALL 22.5' BEND (MATCH SIZE)
 - INSTALL 45' BEND WITH THRUST BLOCK PER UDACS PLATE #31
 - INSTALL 8"x8" REDUCER PER UDACS PLATE #30
 - CAP AND 2" B/O PER UDACS PLATE #36 SEE DEMO PLAN
 - INSTALL 4"x3" REDUCER PER UDACS PLATE #30
 - INSTALL WATER ABOVE C-900 SEWER MAIN/LATERAL 6" MIN. SEPARATION PER UDACS 2.22.02.B. FILL VOID WITH SAND COMPACTED 95%
 - INSTALL WALL MOUNTED FIRE DEPARTMENT CONNECTION (FDC)
 - INSTALL POST INDICATOR VALVE (PIV)
 - CUT IN TO EXISTING FIRE MAIN AND INSTALL POST INDICATOR VALVE (PIV)
 - FUTURE PLACED IN FIRE RISER STATION AND ADDITIONAL WAY OF INJECTION INTO THE FIRE SPRINKLER SYSTEM AT ANY TIME PER FIRE DESIGN PLANS.

- SEWER CONSTRUCTION NOTES**
- CONSTRUCT SANITARY SEWER LATERAL IN PLACE
 - CONNECT SEWER LATERAL & WYE TO EXISTING PRIVATE SS MAIN PER UDACS PLATE #22, 30, & 24
 - 8" C-900 SANITARY SEWER TRENCH & BACKFILL PER UDACS PLATE #17
 - SEE PLUMBING PLANS FOR CONTINUATION
 - HAIR TRAP. SEE PLUMBING PLANS FOR DETAILS
 - PROTECT IN PLACE
 - GREASE TRAP. SEE PLUMBING PLANS FOR DETAILS
 - 10" C-900 SANITARY SEWER TRENCH & BACKFILL PER UDACS PLATE #17
 - ADJUST TOP OF MANHOLE TO FINISHED GRADE
 - STUB & PLUG EXISTING SEWER LATERAL
 - 3" VENT LINE. REFER TO PLUMBING PLANS
 - CONNECT EX. SEWER LATERAL & WYE TO PRIVATE SS MAIN PER UDACS PLATE #22, 30, & 24

- STREETLIGHT CONSTRUCTION NOTES**
- RELOCATE EXISTING LIGHT 1" FROM BOR PER COASD #300.S1 & 308 NOTE: SEE DEMO PLANS FOR ALL EXISTING UTILITY REMOVALS

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Email: info@advantagecivil.com
PLANNING
CIVIL ENGINEERING
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
JOHN R. MANNING
No. 125185
EX. 125185
4/12/17



UTILITY PLAN
THE ANIMAL FOUNDATION
REGIONAL ANIMAL CAMPUS

UT1
107V3264-3
10