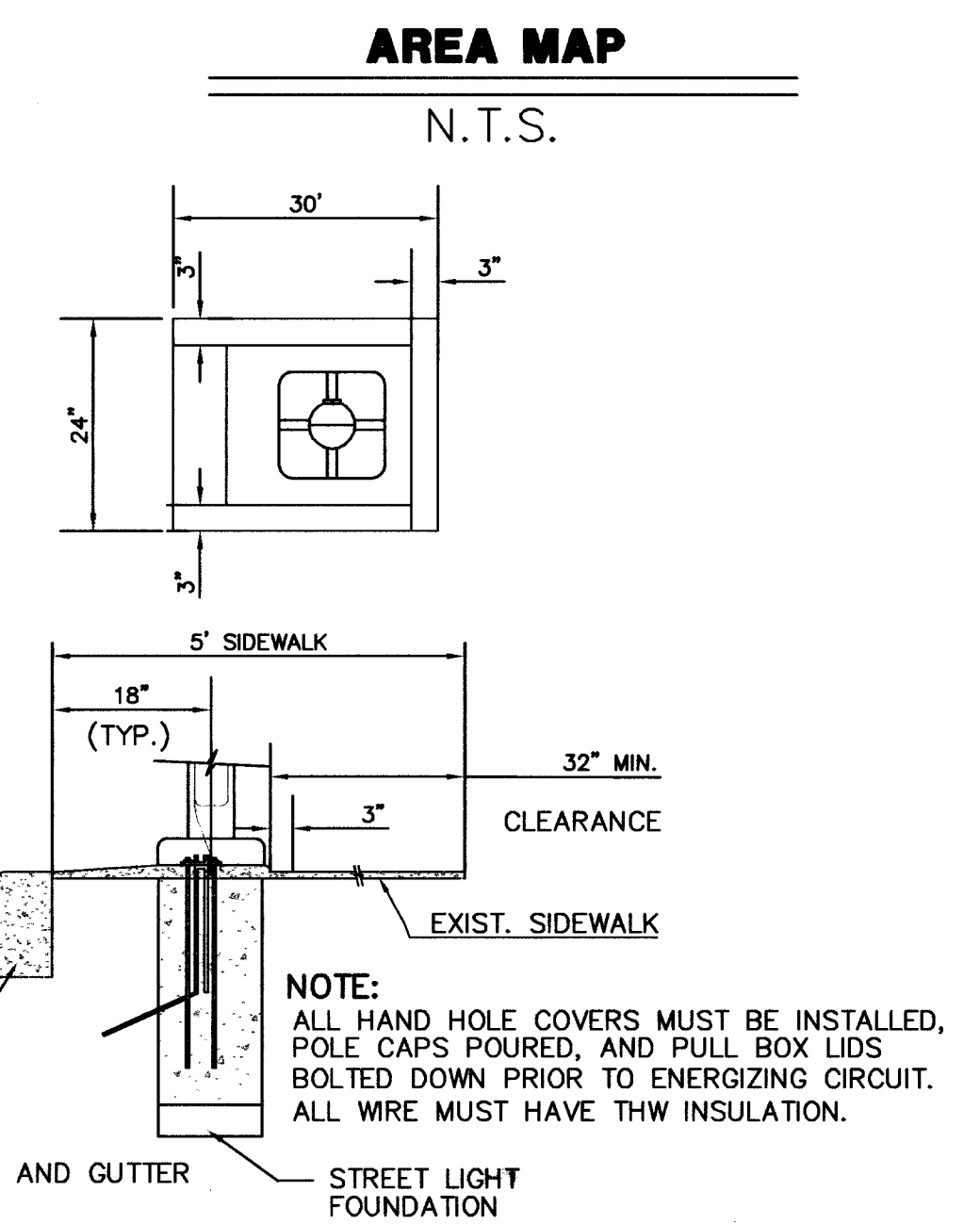
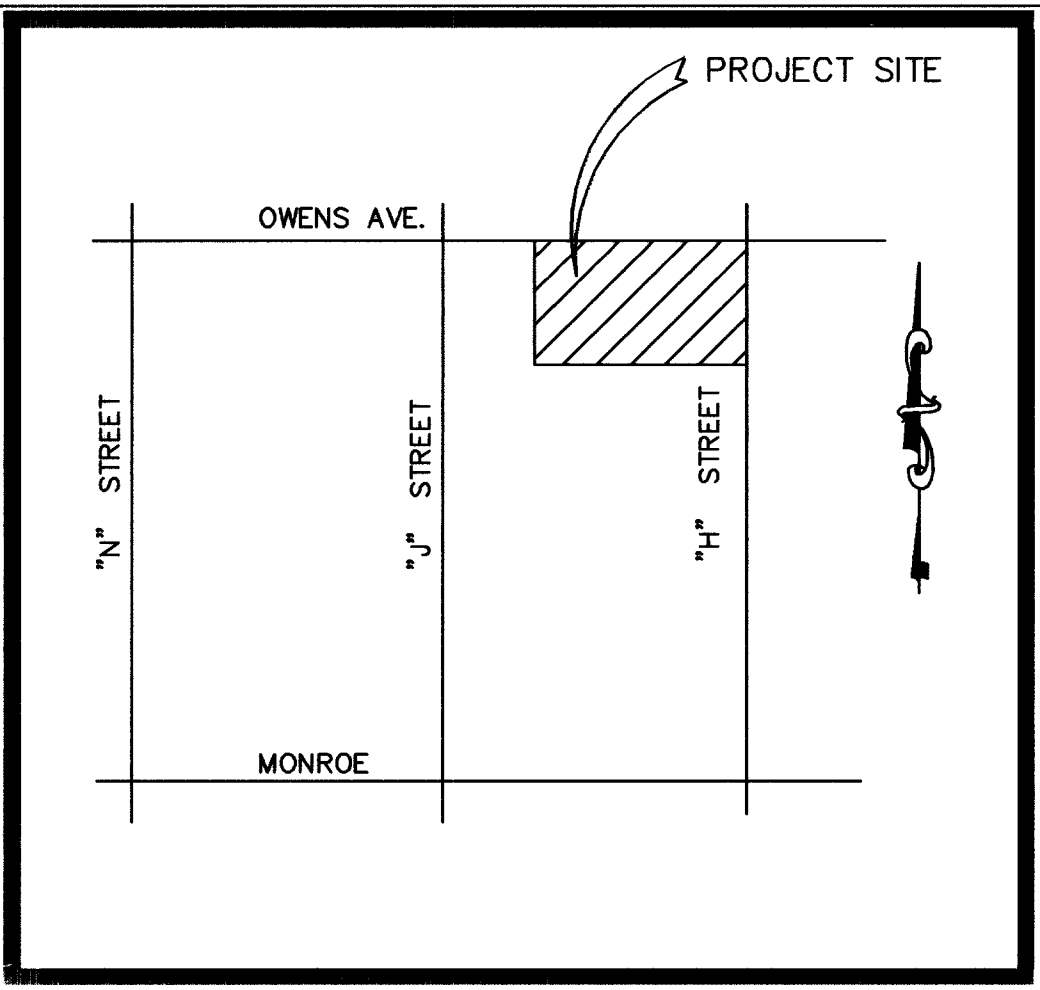
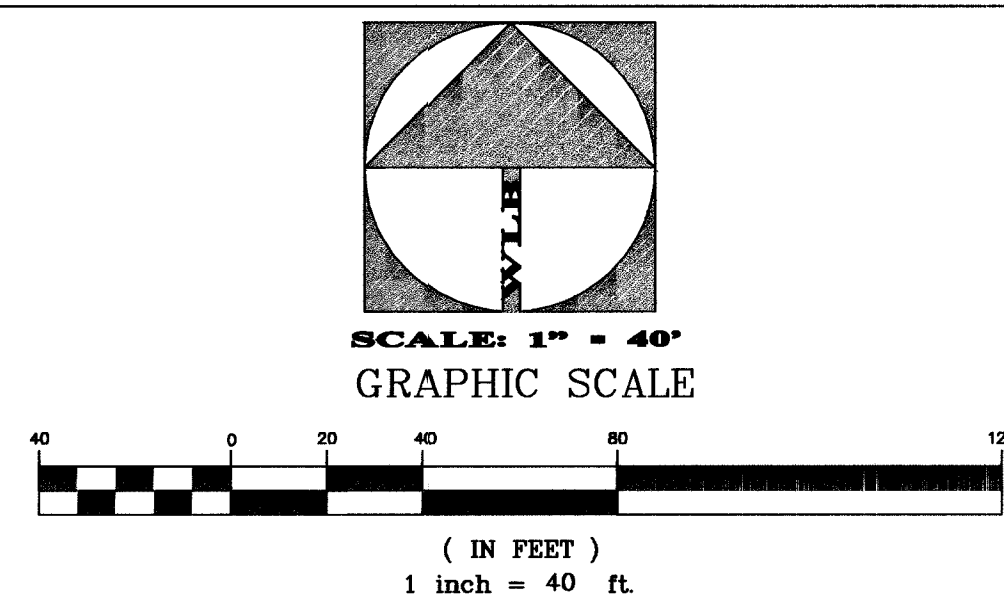
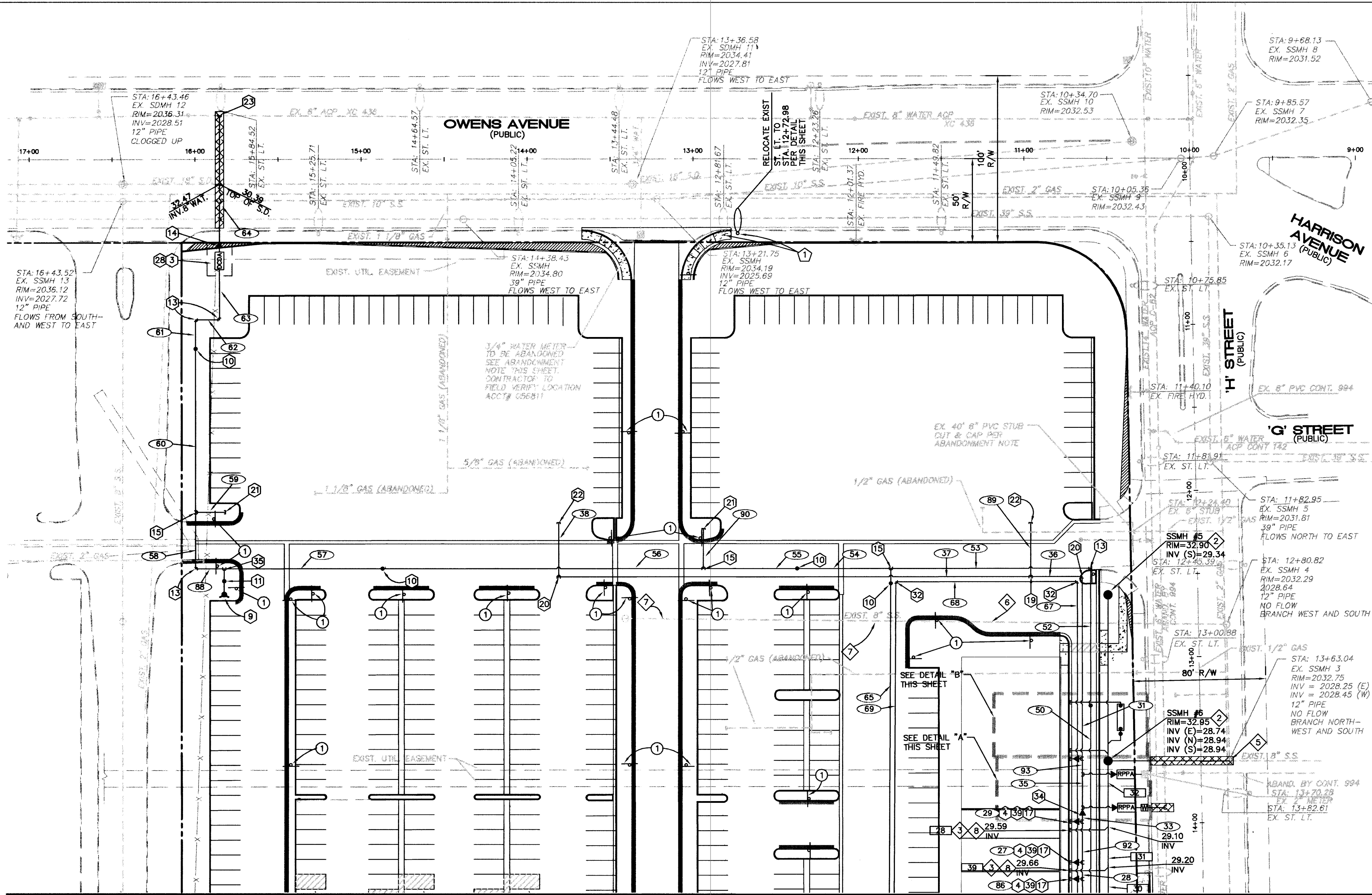




ABANDONMENT OF EXISTING SERVICE(S) 2" AND SMALLER

CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVMD (702) 258-3227 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING OF THE METER. AFTER THE FINAL READING, AFTER THE FINAL READING, THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN, SHALL HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, A MINIMUM OF 12" OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY LVVMD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVMD COMMUNICATION SUPPORT CENTER (702) 258-7171 FOR FURTHER DIRECTION.

THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER AND BOX APPURTENANCES, FILL AND GRADE ANY AND ALL RESULTING VOIDS AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

ABANDONED VALVE CUT AND CAP

ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 PSI. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WITHIN 3' OF THE ABANDONED VALVE OR WHERE SHOWN ON THE PLANS AND INSTALL CAP, WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS.

REDUCED PRESSURE PRINCIPLE ASSEMBLY

(2) 2" RPPA
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATES NO. 11A AND 11B. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACK FLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVMD.

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 TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY

(1) 4" DCDA
THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH UDACS PLATE 20B. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS 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.

MATCH LINE SEE SHEET C7 OF C14

LEGEND

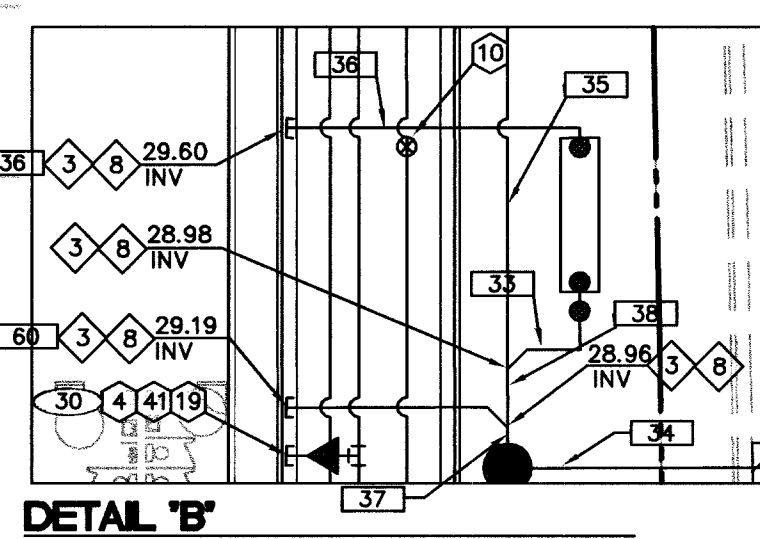
PROPOSED	EXISTING
PROPERTY BOUNDARY	
RIGHT-OF-WAY	
LOT LINE	
CENTERLINE	
CURB & GUTTER	
PAD ELEVATION	
BLOCK WALL	
WATER LINE	
WATER VALVE	
WATER METER	
FIRE HYDRANT	
RPPA	
DCDA	
SANITARY SEWERLINE	
SANITARY SEWER MANHOLE	
SANITARY SEWER CLEANOUT	
SANITARY SEWER FLOW ARROW	
GAS LINE	
GAS VALVE	
GAS METER	
GAS MANHOLE	
TRAFFIC CONDUIT	
PULL BOX	
STREET LIGHT	
TRENCH, BACKFILL AND REPLACE PAVING PER C.C. STD. DWG. NO. 503	
FIRE LANE-PAINT CURB RED, FIRE LANE SIGNS & NO PARKING SIGNS	

SEWER TABLE

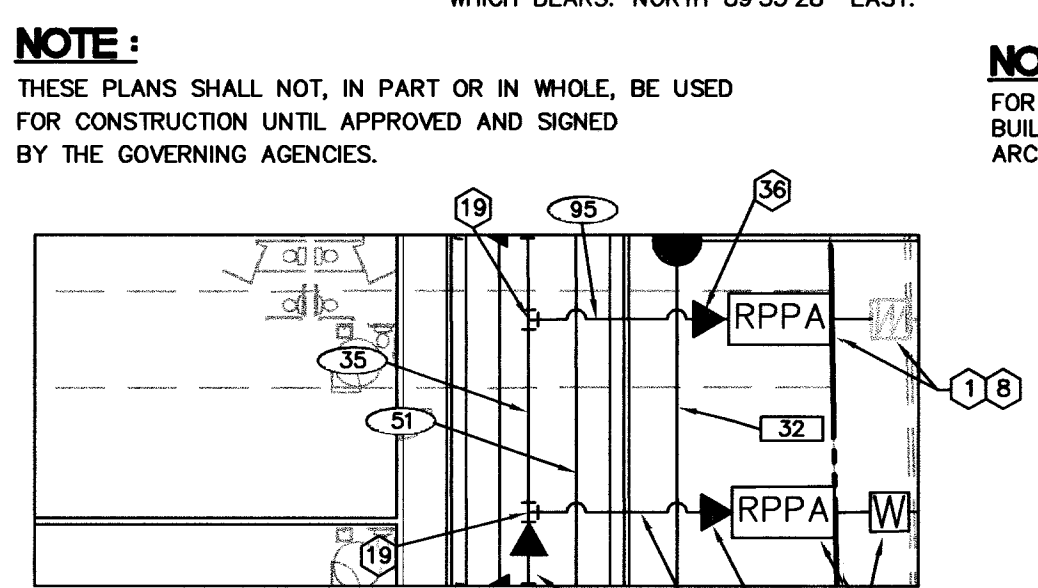
PIPE DIA (IN.)	MATERIAL	LF	SLOPE (%)
28	6	PVC-SDR35	23.99
30	8	PVC-SDR35	42.71
31	6	PVC-SDR35	24.57
32	8	PVC-SDR35	39.55
33	6	PVC-SDR35	14.35
34	8	PVC-SDR35	72.68
35	6	PVC-SDR35	89.79
36	6	PVC-SDR35	31.60
37	8	PVC-SDR35	4.29
38	8	PVC-SDR35	5.93
39	6	PVC-SDR35	24.03

WATER TABLE

PIPE DIA (IN.)	MATERIAL	LF
27	4(D)	PVC-C900
28	6(D)	PVC-C900
29	4(D)	PVC-C900
30	4(D)	PVC-C900
31	4(D)	PVC-C900
32	6(D)	PVC-C900
33	4(D)	PVC-C900
34	6(D)	PVC-C900
35	4(D)	PVC-C900
36	4(D)	PVC-C900
37	4(D)	PVC-C900
38	4(D)	PVC-C900
39	4(D)	PVC-C900



DETAIL 'B'
SCALE: 1" = 20'



DETAIL 'A'
SCALE: 1" = 20'

CONSTRUCTION NOTES-WATER

- CONNECT TO EXISTING 2" METER PER UDACS PLATE #1-D
- 6" x 4" x 4" TEE W/ THRUST BLOCK
- 10" DCDA - UDACS PLATE NO. 20-B
- SEE PLUMBING PLAN FOR CONNECTION TO BUILDING
- 6" x 4" TEE W/ THRUST BLOCK
- INSTALL 2" METER PER UDACS #1-D
- 6" x 90° BEND W/ THRUST BLOCK
- 2" RPPA - UDACS PLATE NO. 11-A
- FIRE HYDRANT - UDACS PLATE NO. 7
- 10" GATE VALVE - UDACS PLATE NO. 8
- 6" GATE VALVE - UDACS PLATE NO. 8
- 4" GATE VALVE - UDACS PLATE NO. 8
- 10" x 90° BEND W/ THRUST BLOCK
- 10" x 8" REDUCER W/ THRUST BLOCK
- 10" x 10" TEE W/THRUST BLOCK
- 10" x 6" REDUCER W/ THRUST BLOCK
- 6" x 6" TEE W/THRUST BLOCK
- 6" x 45° BEND W/THRUST BLOCK
- 4" x 4" TEE W/ THRUST BLOCK
- 4" x 90° BEND W/ THRUST BLOCK
- 10" CAP W/ THRUST BLOCK
- 4" CAP W/ THRUST BLOCK
- 8" TAPPING SLEEVE W/ VALVE
- 8" x 8" x 8" TEE W/ THRUST BLOCK
- 8" GATE VALVE-UDACS PLATE NO. 8
- 8" x 6" REDUCER W/ THRUST BLOCK
- 14" x 10" TAPPING TEE W/10" VALVE
- 15'x20' LVVMD EASEMENT
- CONNECT TO EXISTING 8" FIRE LINE
- INSTALL 8" CAP W/ THRUST BLOCK
- 8" x 45° BEND W/ THRUST BLOCK
- 8" x 90° BEND W/ THRUST BLOCK
- 4" x 1" TEE W/ THRUST BLOCK
- 6" x 4" REDUCER W/ THRUST BLOCK
- 10" x 6" x 10" TEE W/ THRUST BLOCK
- 4" x 2" REDUCER W/ THRUST BLOCK
- 4" x 1 1/4" REDUCER W/ THRUST BLOCK
- 6" x 1 1/4" REDUCER W/ THRUST BLOCK
- 6" x 1" REDUCER W/ THRUST BLOCK
- 6" x 2" REDUCER W/ THRUST BLOCK
- 4" x 1" REDUCER W/ THRUST BLOCK

CONSTRUCTION NOTES-SANITARY SEWER

- GREASE TRAP PER PLUMBING PLANS
- STD. 48" DIA. SANITARY SEWER MANHOLE (PRIVATE)
- SEE PLUMBING FOR EXACT LOCATION OF LATERAL
- MAINTAIN 5' MIN. HORIZ. SEPARATION FROM WATER
- SANITARY SEWER CLEANOUT-SEE DETAIL SHEET C12
- CONNECT TO EXISTING SANITARY SEWER MANHOLE
- CAP EXISTING SEWER LINE
- EXIST. SAN. SEW. TO BE ABANDONED.
- CRUSH IN PLACE OR SLURRY FILL
- CONTRACTOR TO MAKE ALL SEWER LATERAL CONNECTIONS WITH BUILDING DRAINAGE PIPE USING 8" x 4" PVC REDUCERS.

CONSTRUCTION NOTES-STREETLIGHTING

- RELOCATE EXIST. ST. LT.

CONSTRUCTION NOTES-SIGNAGE

- INSTALL "FIRE LANE, NO PARKING" SIGN

BENCHMARK

ID# 2LV0128NEES
RIVET AND PLATE IN TOP OF CURB, NW RETURN
"H" STREET AND MONROE AVENUE.
NAVD 88 ELEVATION=619.8484 METERS;2033.62 FEET.

BASIS OF BEARINGS

BEING THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON PARCEL MAP IN FILE 87, PAGE 93, OFFICIAL RECORDS, CLARK COUNTY, NEVADA, WHICH BEARS: NORTH 89°55'28" EAST.

NOTE:

THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES.

NOTE

FOR FDC LOCATION INSIDE BUILDING 1, SEE ARCHITECTURAL PLANS

FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 3500* GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

SQUARE FOOTAGE 40,400 S.F.

LARGEST AREA BETWEEN 4-HOUR

AREA SEPARATION WALLS N/A

HEIGHT N/A

TYPE OF CONSTRUCTION V-N

EXPOSURES N/A

SPRINKLER SYSTEM YES

OCCUPANCY N/A

ROOF CONSTRUCTION N/A

REVIEWED BY: [Signature]

DATE: 8/19/04

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR NOR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

FINAL APPROVAL FROM THE LVVMD.

* BASED ON 50% REDUCTION

FIRE DEPARTMENT APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVMD.

WASTEWATER GENERATION RATES

PER CLV WASTEWATER GENERATION RATES

RETAIL SPACE: 9.56 ACRES x 800 GALLONS-ACRE = 7,648 GPD

COMMERCIAL SPACE: 1.58 ACRES x 1,750 GALLONS-ACRE = 2,413 GPD

TOTAL = 10,413 GPD or 0.010 MGD

PEAK FACTOR: 2.90 PEAK FLOW: 2.9 x 10,413 GPD = 30,198 GPD or 0.030 MGD

APPROVED FOR CONSTRUCTION

FIRST APPROVAL 7/11/03

[Signature]

LAS VEGAS VALLEY WATER DISTRICT

8/19/04

DATE

SAFETY ALERT

Call before you Dig.

593-6111

OVERHEAD SERVICE ALERT

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

UNDERGROUND SERVICE ALERT

NUCLEUS INVESTMENTS

REV

DATE

BY

3/3/03

4/03

RMM

APN, UTILITY CHANGES

28/16/04

SP

REVISE BLDG DESIGN/ENTIRE

28/16/04

SP

REVISE BLDG DESIGN/ENTIRE

Engineering

Planning

Surveying

Landscaping Architecture

Urban Design

Surveying

2251 N. Green Valley Pkwy., Suite 4425

RENO, NV 89514

702-880-2700

WLB

Group Inc.

EDMOND TOWN CENTER

(PREVIOUSLY WESTLAND PLAZA)

SHEET TITLE:

MASTER UTILITY PLAN

Drawn by:

OF/DG

Designed by:

JRM

Checked by:

ANS

Project No.:

401042-A-001

Scale:

1" = 40'

Scale:

1" = 4'

SEAL

REGISTERED ENGINEER

8/16/04

8/16/04

APPROVED FOR CONSTRUCTION

7/11/03

8/19/04

SHEET

C8

OF C12

DRAWING NO.

107-V2191-2

RePlot