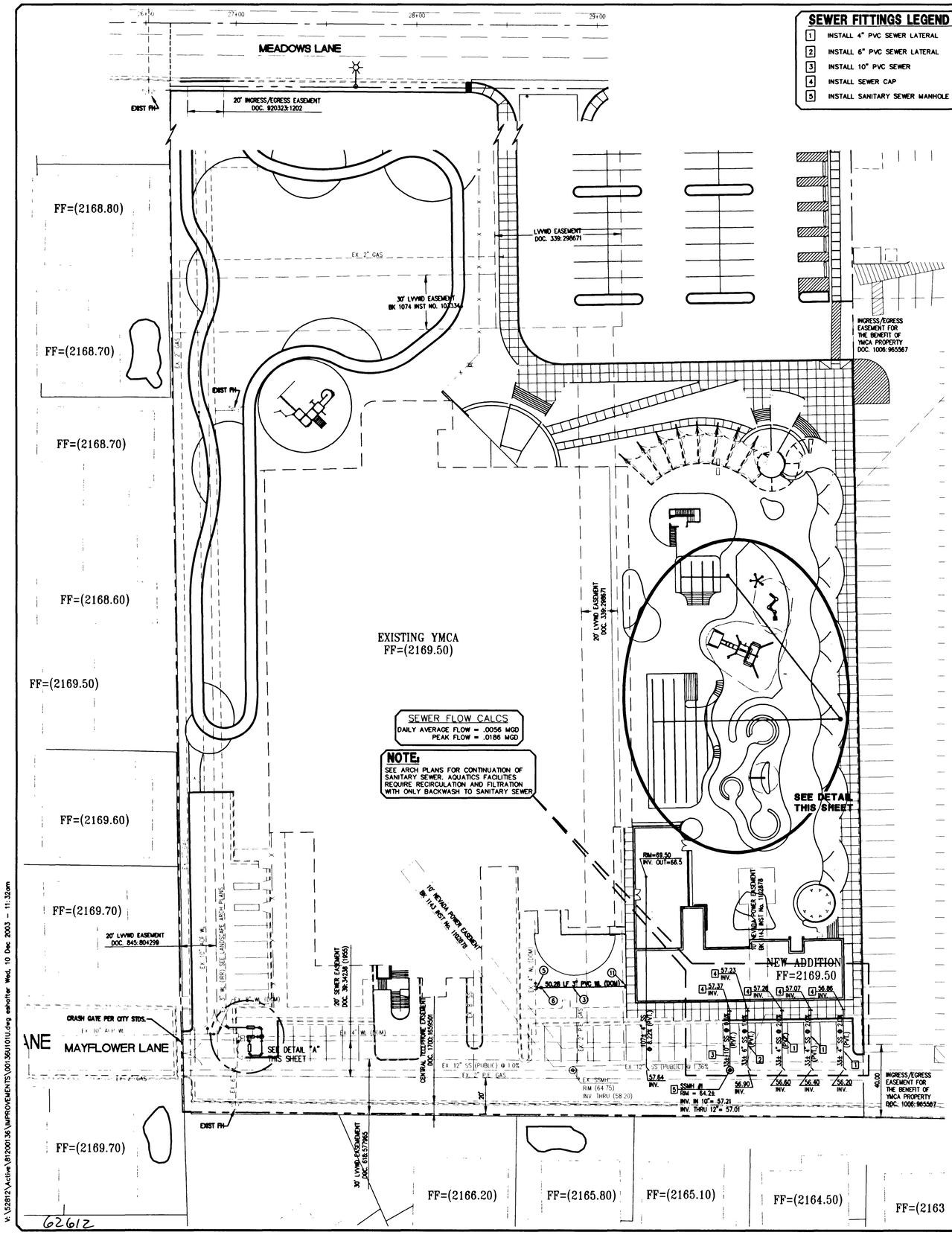


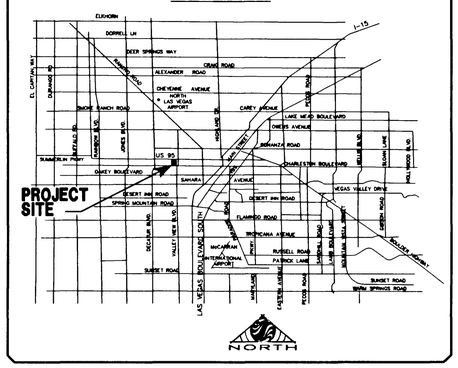
SEWER FITTINGS LEGEND & QUANTITY ESTIMATE

1	INSTALL 4" PVC SEWER LATERAL	100 LF.
2	INSTALL 6" PVC SEWER LATERAL	33 LF.
3	INSTALL 10" PVC SEWER	33 LF.
4	INSTALL SEWER CAP	5 EA.
5	INSTALL SANITARY SEWER MANHOLE (PER USD STD. DWG #403)	1 EA.

WATER FITTINGS LEGEND & QUANTITY ESTIMATE

1	INSTALL 2" PVC WATER PRIVATE (DOM.)	21 LF.
2	INSTALL 3" PVC WATER PRIVATE (DOM.) (IRR.)	13 LF.
3	INSTALL 3" PVC WATER PRIVATE (IRR.) (DOM.)	50 LF.
4	INSTALL 2" RPPA (PER UDACS PLT #11A)	2 EA.
5	INSTALL 4"x3" TEE (PER UDACS PLT #5)	1 EA.
6	INSTALL 3" GATE VALVE W/A.B. (PER UDACS PLT# 3)	1 EA.
7	INSTALL 2" 90° BEND (PER UDACS PLT #5)	3 EA.
8	INSTALL 4"x2" REDUCER (PER UDACS PLT #3)	2 EA.
9	INSTALL 4" 90° BEND (PER UDACS PLT #5)	1 EA.
10	INSTALL 4" CROSS (PER UDACS PLT #5)	1 EA.
11	INSTALL CAP (PER UDACS PLT #5)	1 EA.
12	INSTALL 3" RPPA (PER UDACS PLT #11E)	1 EA.
13	INSTALL 4"x3" REDUCER (PER UDACS PLT #5)	1 EA.
14	INSTALL 3" 90° BEND (PER UDACS PLT #5)	1 EA.

VICINITY MAP



BASIS OF BEARINGS

SOUTH 89°39'38" EAST, BEING THE BEARING OF THE CENTERLINE OF MEADOWS LANE, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 33 OF SURVEYS AT PAGE 44, SITUATED IN THE NORTHEAST QUARTER (NE 1/4) OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

BENCHMARK

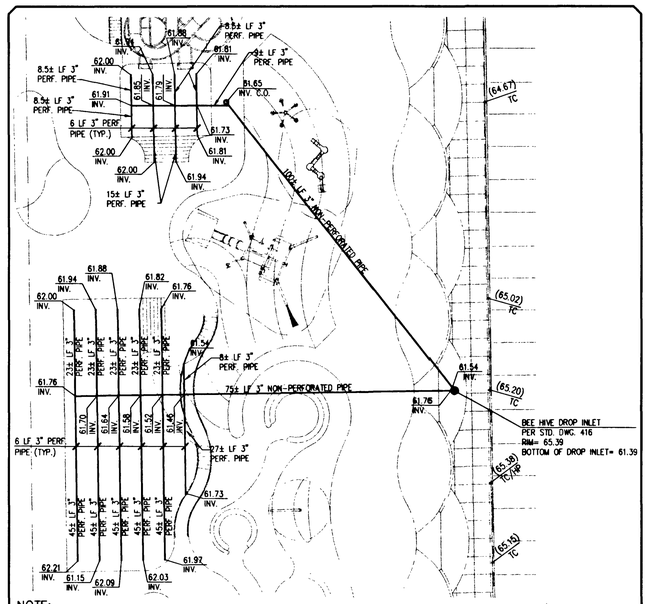
CITY OF LAS VEGAS BENCHMARK 2LV01 31NE6

RIVET AND PLATE IN TOP OF CURB AT SOUTHWEST CORNER OF VALLEY VIEW AND MEADOWS.

ELEVATION = 654.7607 meters (NAVD'88)
ELEVATION = 2148.16 U.S. Survey feet (NAVD'88)

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT (C1, C2, C7) DATE



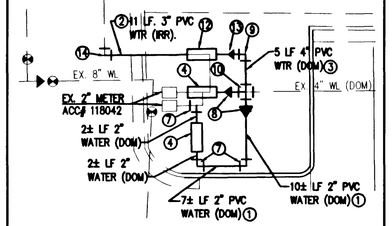
NOTE:
3" PVC DEWATERING PIPES @ 1% TYP. SLOPE. PERFORATED PIPE UNLESS NOTED OTHERWISE.

NOTE:
PERF. = PERFORATED PIPE.

NOTE:
WRAP 3" PERFORATED PIPE WITH FILTER CLOTH(MIRAHI 140, TYPE, HEAVY DUTY DRAIN GAURD OR EQUAL)

SUBTERRANEAN DEWATERING

SCALE: 1"=20'



DETAIL "A"

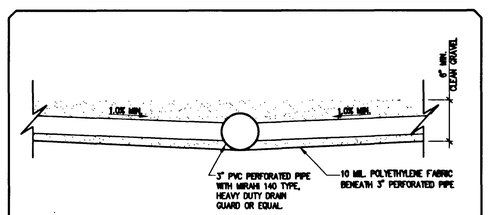
SCALE: 1"=10'

REDUCED PRESSURE PRINCIPLE ASSEMBLY

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE 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



X-SECTION

NTS

NORTH
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

ENGINEER'S NOTES

1. EXISTING UTILITY LOCATIONS SHOWN HEREON 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.

   CALL BEFORE YOU DIG: 1-800-782-5348.
2. SEE MECHANICAL PLANS FOR LOCATIONS, SIZES, AND DEPTHS OF ALL ONSITE UTILITIES AT THE PROPOSED BUILDINGS
3. SEE ELECTRICAL PLAN FOR ONSITE LIGHTING AND POWER SUPPLY
4. SEE LANDSCAPE PLANS FOR ONSITE IRRIGATION
5. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY

FIRE FLOW CALCULATIONS

(ADDITION ONLY)

FIRE FLOW REQUIREMENTS IS: AT 20 psi RESIDUAL PRESSURE.	1,750 GALLONS PER MINUTE
BASED ON:	
SQUARE FOOTAGE	4000 SF
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	N/A
BUILDING HEIGHT	21' ±
NUMBER OF STORIES	ONE-STORY
TYPE OF CONSTRUCTION	TYPE V-B
OCCUPANCY	CHAPTER 3
FULL AUTOMATIC FIRE SPRINKLER SYSTEM	NONE

REVIEWED BY: _____ DATE: 12/15/03

APPROVALS

CITY FIRE MARSHAL — 12/15/03 DATE

LAS VEGAS VALLEY WATER DISTRICT — 12/22/03 DATE

Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
(UNDERGROUND SERVICE ALERT (USA))

Avoid hitting overhead power lines. It's costly.
Call before you do Overhead
1-702-593-6111

NO.	DESCRIPTION	DATE	APP'D

DATE :	12/10/2003
PM :	
DRAWN BY :	EDS
DESIGNED BY :	
CHECKED BY :	JWL
ADA CHECKED :	
JOB NO. :	
SCALE :	1"=30'

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LODGE YMCA ASSN OF LAS VEGAS
YMCA AQUATICS FACILITY
UTILITY PLAN

REGISTERED PROFESSIONAL ENGINEER - STATE OF NEVADA
JAMES W. LEVAND
CIVIL
No. 4932
12/10/03

SHEET C7.0 OF 7

CLV. DWG # 1071/2003

V:\52812\active\81200136\IMPROVEMENTS\001360101U.dwg ashafter Wed, 10 Dec 2003 - 11:32am