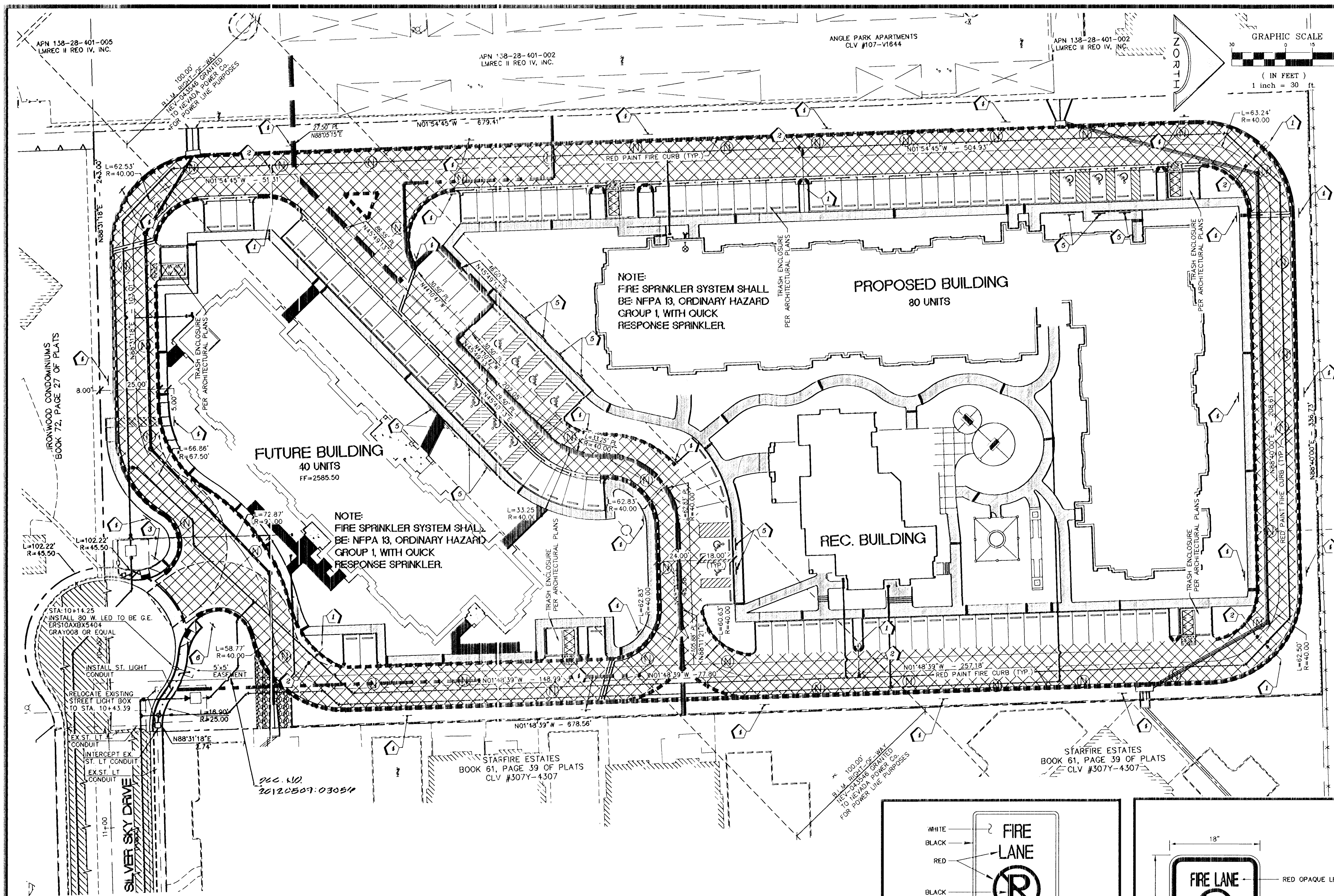




- KEY NOTES**
1. INSTALL 6" FIRE HYDRANT ASSEMBLY (INCLUDES 8"x6" TEE AND 6" GATE VALVE) PER U.D.A.C.S. PLATE NO. 40 PROVIDE A MINIMUM OF 3' CLEARANCE AROUND HYDRANT.
 2. INSTALL BLUE REFLECTIVE RAISED PAVEMENT MARKERS ADJACENT TO THE FIRE HYDRANTS ON ALL IMPROVED FIRE APPARATUS ACCESS ROADS WITH HARD SURFACES, INCLUDING BOTH PUBLIC AND PRIVATE ROADS, STREETS, OR FIRE LANES.
 - ON THE ROADWAYS WITH NO PARKING PERMITTED ON THE HYDRANT SIDE, EIGHT (8) FEET FROM THE FACE OF CURB ON THE HYDRANT SIDE.
 - ON THE ROADWAYS WITH PARKING PERMITTED ON THE HYDRANT SIDE, (16) FEET FROM THE FACE OF CURB ON THE HYDRANT SIDE.
 3. INSTALL 30" R1-1 (STOP SIGN)
 4. INSTALL FIRE LANE SIGNAGE. SEE DETAIL "A", THIS SHEET
 5. INSTALL HANDICAP PARKING SIGN. SEE DETAIL "C", SHEET "7"
 6. INSTALL FIRE LANE SIGNAGE. SEE DETAIL "B", THIS SHEET

LEGEND

PROPOSED EDGE OF PAVEMENT

FIRE ACCESS LANE

PAINTED RED CURB (NO PARKING FIRE LANE)

PAINTED WHITE BLOCK LETTERING - "NO PARKING FIRE LANE" (NOT LESS THAN 4 INCHES IN HEIGHT WITH A STROKE OF NOT LESS THAN 3/4 INCH EVERY 50' TO FIT ON CURB)

FIRE SPRINKLER RISER

REMOTE FIRE DEPARTMENT CONNECTION (FDC)

PROPOSED FIRE HYDRANT

EXISTING FIRE HYDRANT

PROPOSED SIGN (SEE THIS SHEET)

HANDICAP SIGN AND PARKING

ABBREVIATIONS

N = NORTH	EXIST. = EXISTING	TYP. = TYPICAL
E = EAST	PROP. = PROPOSED	SW = SIDEWALK
S = SOUTH	EX. = EXISTING	L = LENGTH
W = WEST	R/W = RIGHT OF WAY	R = RADIUS
STA = STATIONING	WL = WATER LINE	FF = FINISH GRADE

THIS SHEET IS FOR OVERALL VIEW OF UTILITIES ONLY. REFER TO SHEET UT1 AND UT2 FOR COMPLETE UTILITY INFORMATION.

BASIS OF BEARING

NORTH 88°31'18" EAST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 28, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE AS FILE 109, PAGE 2 OF PARCEL MAPS.

FIRE TRUCK TURNING RADIUS

NOT TO SCALE

52.00' RADIUS

28.00' RADIUS

BENCHMARK

FOUND RIVET AND PLATE IN THE TOP OF CURB AT THE NW CORNER OF WESTCLIFF AND CIMARRON

#909 OLVOO 2854

777.844 (m) 2551.98 (ft)

FIRE FLOW CALCULATIONS (BUILDING 80 UNITS)

FIRE FLOW REQUIREMENT IS:	2625	GALLONS PER MINUTE
AT 20 PSI RESIDUAL PRESSURE, BASED ON:		
SQUARE FOOTAGE:	83990	S.F.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	N/A	S.F.
BUILDING HEIGHT:	36'-10"	FEET
NUMBER OF STORIES:	3	FLOORS
TYPE OF CONSTRUCTION:	TYPE V-A	
OCCUPANCY:	R2, B & A2	
FULL AUTOMATIC SPRINKLERS SYSTEM	YES	

FIRE FLOW CALCULATIONS (REC. BUILDING)

FIRE FLOW REQUIREMENT IS:	1500	GALLONS PER MINUTE
AT 20 PSI RESIDUAL PRESSURE, BASED ON:		
SQUARE FOOTAGE:	5,456	S.F.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	N/A	S.F.
BUILDING HEIGHT:	28.00	FEET
NUMBER OF STORIES:	1	FLOORS
TYPE OF CONSTRUCTION:	TYPE V-A	
OCCUPANCY:	R2, B & A2	
FULL AUTOMATIC SPRINKLERS SYSTEM	YES	

FIRE LANE SIGNAGE

WHITE

BLACK

RED

BLACK

MINIMUM SPECIFICATIONS OF "NO PARKING FIRE LANE SIGNS":
THAN 6" FROM GROUND LEVEL
NO MORE THAN TEN (10) OR LESS

MINIMUM SPECIFICATIONS OF "NO PARKING FIRE LANE SIGNS":
SIZE: 1" WIDE x 1-1/2" LONG OR 2" WIDE x 2-1/2" LONG AS REQUIRED
COLOR: RED AND BLACK ON WHITE LUMINOUS BACKGROUND (SEE ABOVE)
SYMBOL: INTERNATIONAL NO PARKING SYMBOL
HEIGHT: TO BE INSTALLED NOT LESS THAN SEVEN (6) FEET NOR MORE THAN TEN (10) FEET FROM GROUND LEVEL.

ENTRY SIGN

'NO PARKING' ENTRY SIGN

RED OPAQUE LETTERING

BLACK LETTER "P" INSIDE RED PROHIBITION CIRCLE

WHITE REFLECTIVE BACKGROUND

RED OPAQUE BORDER AND LETTERING

APPROVALS

DESIGNED BY: [Signature] 6/24/13

CITY FIRE DEPARTMENT

CHECKED BY: [Signature]

DATE: 6/24/13 PROJECT NO. 117341

LWWD APPROVED FIRE FLOW 2625 GPM AT 20 PSI RESIDUAL

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD 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

Avoid cutting underground utility lines. It's costly.

Call 811

1-800-227-2600

CLARK COUNTY TRAFFIC OPERATIONS

1-702-455-7544

Avoid overhead power line contact

Call before you Dig

1-702-227-2929

NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Avoid hitting underground traffic signal systems and street light system conduits

Call before you Dig

1-702-455-7511

CLARK COUNTY TRAFFIC OPERATIONS

1-702-432-5300

LAS VEGAS AREA COMPUTERIZED TRAFFIC SIGNAL

NEVADA HAND.

285 EAST WALK SPRINGS ROAD SUITE 101

LAS VEGAS, NEVADA 89119-4212

TEL: (702) 739-3345 CONTACT: ROBERT FIEBMAN

L.R. NELSON CONSULTING ENGINEERS, INC.

6765 West Russell Road Suite 200

Las Vegas, NV 89118

TEL: (702) 739-7278

FAX: (702) 401-2296

MASTER WATER/STREETLIGHTING and FIRE ACCESS PLAN

WESTCLIFF PINES 2

ROLAND WILEY ROAD AND SILVER SKY DRIVE

CITY OF LAS VEGAS

APPROVALS

DESIGNED BY: [Signature] 6/24/13

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