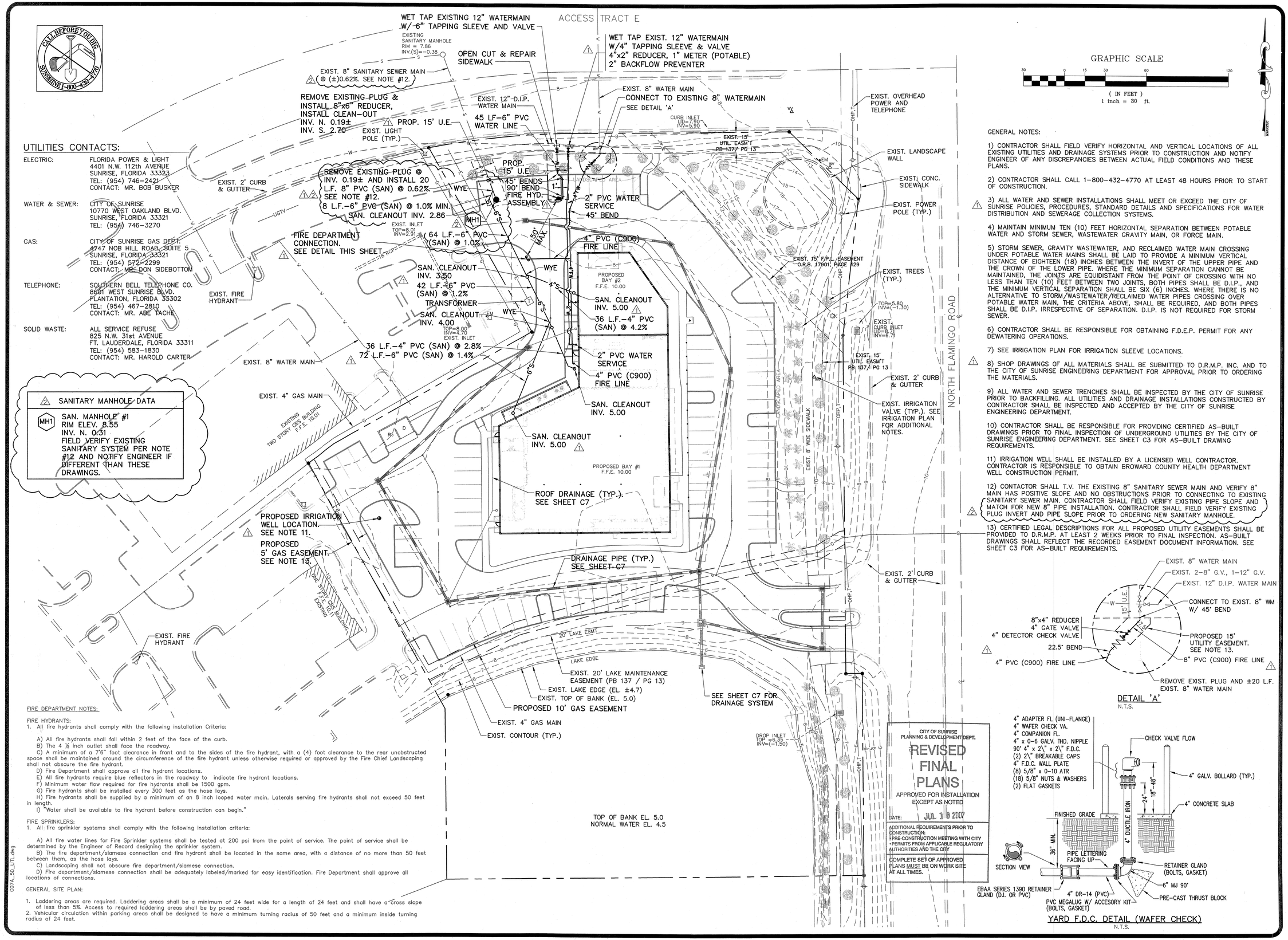

UTILITIES CONTACTS:

ELECTRIC:	FLORIDA POWER & LIGHT 4401 N.W. 112th AVENUE SUNRISE, FLORIDA 33323 TEL: (954) 746-2421 CONTACT: MR. BOB BUSKER
WATER & SEWER:	CITY OF SUNRISE 10770 WEST OAKLAND BLVD. SUNRISE, FLORIDA 33321 TEL: (954) 746-3270
GAS:	CITY OF SUNRISE GAS DEPT. 4747 NOB HILL ROAD, SUITE 5 SUNRISE, FLORIDA 33321 TEL: (954) 572-2299 CONTACT: MR. DON SIDEBOTTOM
TELEPHONE:	SOUTHERN BELL TELEPHONE CO. 8601 WEST SUNRISE BLVD. PLANTATION, FLORIDA 33302 TEL: (954) 467-2810 CONTACT: MR. ABE TACHE
SOLID WASTE:	ALL SERVICE REFUSE 825 N.W. 31st AVENUE FT. LAUDERDALE, FLORIDA 33311 TEL: (954) 583-1830 CONTACT: MR. HAROLD CARTER

SANITARY MANHOLE DATA

MH1 SAN. MANHOLE #1
RIM ELEV. 8.55
INV. N. 0.31
FIELD VERIFY EXISTING SANITARY SYSTEM PER NOTE #12 AND NOTIFY ENGINEER IF DIFFERENT THAN THESE DRAWINGS.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

GENERAL NOTES:

1) CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES AND DRAINAGE SYSTEMS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THESE PLANS.

2) CONTRACTOR SHALL CALL 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.

3) ALL WATER AND SEWER INSTALLATIONS SHALL MEET OR EXCEED THE CITY OF SUNRISE POLICIES, PROCEDURES, STANDARD DETAILS AND SPECIFICATIONS FOR WATER DISTRIBUTION AND SEWERAGE COLLECTION SYSTEMS.

4) MAINTAIN MINIMUM TEN (10) FEET HORIZONTAL SEPARATION BETWEEN POTABLE WATER AND STORM SEWER, WASTEWATER GRAVITY MAIN, OR FORCE MAIN.

5) STORM SEWER, GRAVITY WASTEWATER, AND RECLAIMED WATER MAIN CROSSING UNDER POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THE MINIMUM SEPARATION CANNOT BE MAINTAINED, THE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN TEN (10) FEET BETWEEN TWO JOINTS, BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE SIX (6) INCHES. WHERE THERE IS NO ALTERNATIVE TO STORM/WASTEWATER/RECLAIMED WATER PIPES CROSSING OVER POTABLE WATER MAIN, THE CRITERIA ABOVE, SHALL BE REQUIRED, AND BOTH PIPES SHALL BE D.I.P. IRRESPECTIVE OF SEPARATION. D.I.P. IS NOT REQUIRED FOR STORM SEWER.

6) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING F.D.E.P. PERMIT FOR ANY DEWATERING OPERATIONS.

7) SEE IRRIGATION PLAN FOR IRRIGATION SLEEVE LOCATIONS.

8) SHOP DRAWINGS OF ALL MATERIALS SHALL BE SUBMITTED TO D.R.M.P. INC. AND TO THE CITY OF SUNRISE ENGINEERING DEPARTMENT FOR APPROVAL PRIOR TO ORDERING THE MATERIALS.

9) ALL WATER AND SEWER TRENCHES SHALL BE INSPECTED BY THE CITY OF SUNRISE PRIOR TO BACKFILLING. ALL UTILITIES AND DRAINAGE INSTALLATIONS CONSTRUCTED BY CONTRACTOR SHALL BE INSPECTED AND ACCEPTED BY THE CITY OF SUNRISE ENGINEERING DEPARTMENT.

10) CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED AS-BUILT DRAWINGS PRIOR TO FINAL INSPECTION OF UNDERGROUND UTILITIES BY THE CITY OF SUNRISE ENGINEERING DEPARTMENT. SEE SHEET C3 FOR AS-BUILT DRAWING REQUIREMENTS.

11) IRRIGATION WELL SHALL BE INSTALLED BY A LICENSED WELL CONTRACTOR. CONTRACTOR IS RESPONSIBLE TO OBTAIN BROWARD COUNTY HEALTH DEPARTMENT WELL CONSTRUCTION PERMIT.

12) CONTACTOR SHALL T.V. THE EXISTING 8" SANITARY SEWER MAIN AND VERIFY 8" MAIN HAS POSITIVE SLOPE AND NO OBSTRUCTIONS PRIOR TO CONNECTING TO EXISTING SANITARY SEWER MAIN. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE SLOPE AND MATCH FOR NEW 8" PIPE INSTALLATION. CONTRACTOR SHALL FIELD VERIFY EXISTING PLUG INVERT AND PIPE SLOPE PRIOR TO ORDERING NEW SANITARY MANHOLE.

13) CERTIFIED LEGAL DESCRIPTIONS FOR ALL PROPOSED UTILITY EASEMENTS SHALL BE PROVIDED TO D.R.M.P. AT LEAST 2 WEEKS PRIOR TO FINAL INSPECTION. AS-BUILT DRAWINGS SHALL REFLECT THE RECORDED EASEMENT DOCUMENT INFORMATION. SEE SHEET C3 FOR AS-BUILT REQUIREMENTS.

DETAIL 'A'
N.T.S.

YARD F.D.C. DETAIL (WAFER CHECK)
N.T.S.

FIRE DEPARTMENT NOTES:

FIRE HYDRANTS:
1. All fire hydrants shall comply with the following installation Criteria:

A) All fire hydrants shall fall within 2 feet of the face of the curb.
B) The 4 ½ inch outlet shall face the roadway.
C) A minimum of a 7'6" foot clearance in front and to the sides of the fire hydrant, with a (4) foot clearance to the rear unobstructed space shall be maintained around the circumference of the fire hydrant unless otherwise required or approved by the Fire Chief Landscaping shall not obscure the fire hydrant.
D) Fire Department shall approve all fire hydrant locations.
E) All fire hydrants require blue reflectors in the roadway to indicate fire hydrant locations.
F) Minimum water flow required for fire hydrants shall be 1500 gpm.
G) Fire hydrants shall be installed every 300 feet as the hose lays.
H) Fire hydrants shall be supplied by a minimum of an 8 inch looped water main. Laterals serving fire hydrants shall not exceed 50 feet in length.
I) "Water shall be available to fire hydrant before construction can begin."

FIRE SPRINKLERS:
1. All fire sprinkler systems shall comply with the following installation criteria:

A) All fire water lines for Fire Sprinkler systems shall be tested at 200 psi from the point of service. The point of service shall be determined by the Engineer of Record designing the sprinkler system.
B) The fire department/siamese connection and fire hydrant shall be located in the same area, with a distance of no more than 50 feet between them, as the hose lays.
C) Landscaping shall not obscure fire department/siamese connection.
D) Fire department/siamese connection shall be adequately labeled/marked for easy identification. Fire Department shall approve all locations of connections.

GENERAL SITE PLAN:

1. Laddering areas are required. Laddering areas shall be a minimum of 24 feet wide for a length of 24 feet and shall have a cross slope of less than 5%. Access to required laddering areas shall be by paved road.
2. Vehicular circulation within parking areas shall be designed to have a minimum turning radius of 50 feet and a minimum inside turning radius of 24 feet.

REVISIONS	BY
1 CITY ENG. COMMENTS	CKS
2 BROWARD EPD COMMENTS	CKS

DRMP
ENGINEERS · SURVEYORS · PLANNERS · SCIENTISTS
1505 East Colonial Drive - Orlando, Florida 32803
Phone: 407.896.0594 Fax: 407.896.4836
Florida Certificate of Authorization No. 2648
Dyer, Riddle, Mills, & Precourt, Inc.

WARNING
IF THIS BAR DOES NOT MEASURE 1" THIS COPY OF THE DRAWING IS NOT TO SCALE

JUL 06 2007
JOHN K. KELLY, P.E.
FLORIDA P.E. #44011

ABC LIQUORS, INC.

8989 S. ORANGE AVE - ORLANDO, FLA. 32824

ABC FINE WINE & SPIRITS STORE #50

SAWGRASS MILLS, NORTH FLAMINGO ROAD, SUNRISE, FLORIDA

WATER AND SEWER PLAN

DRAWN:	CKS
CHECKED:	JCK
DATE:	OCT. 2006
SCALE:	1" = 30'
JOB No:	05-0394.000
SHEET:	C7A

C07A_50_UTL.dwg

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