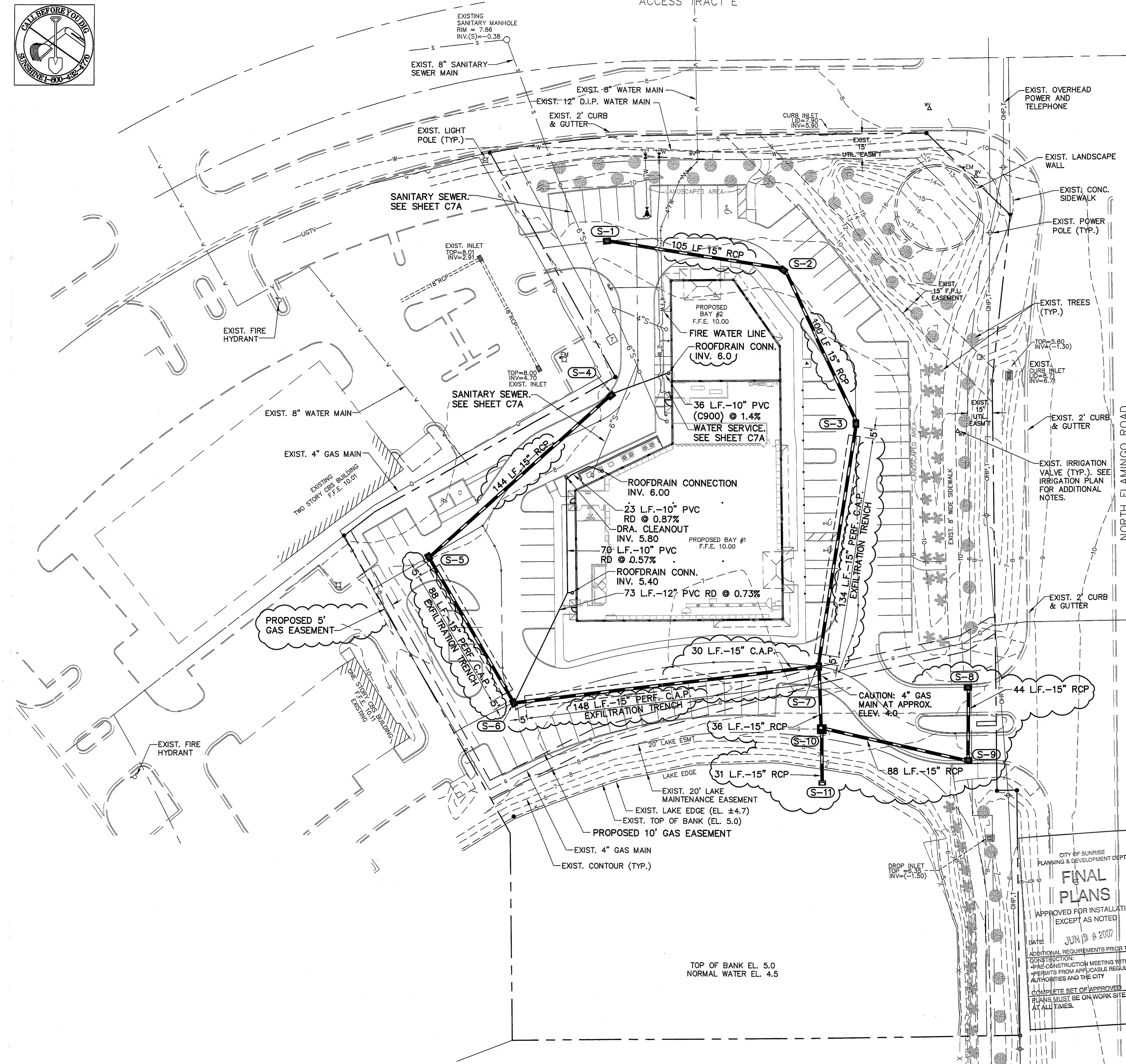
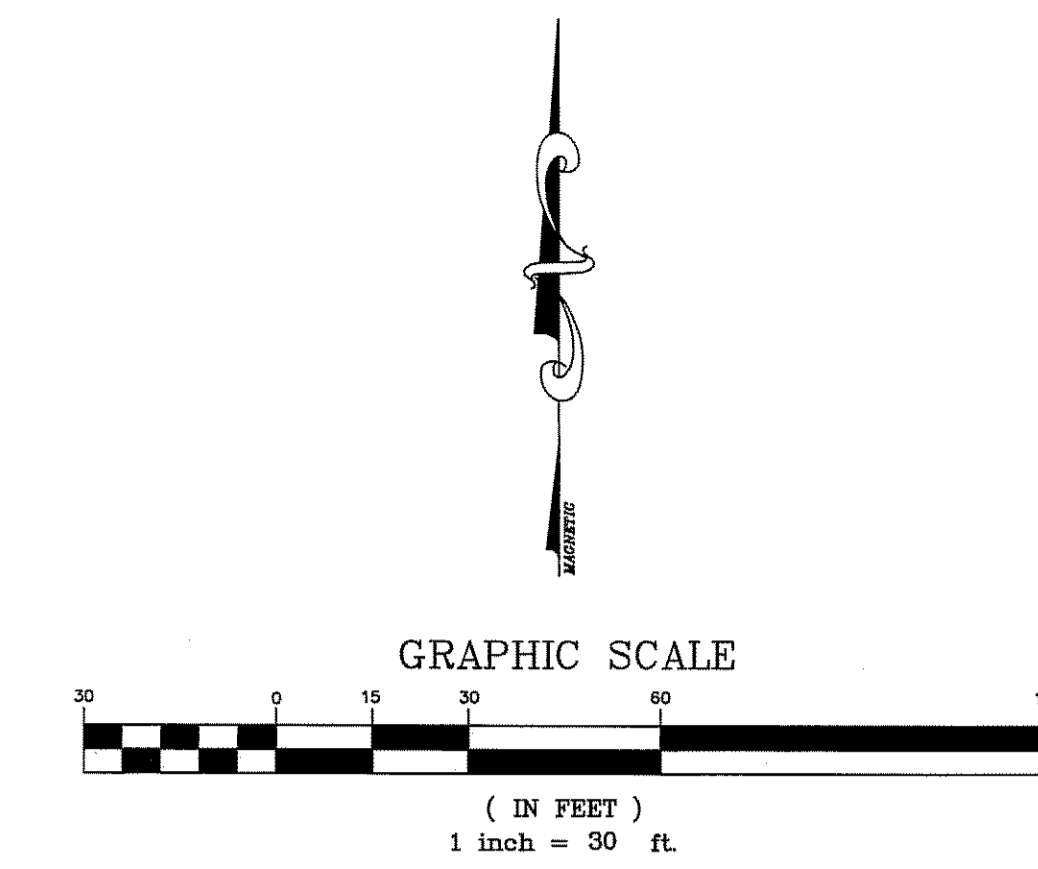




ACCESS TRACT E



- 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) MAINTAIN MINIMUM TEN (10) FEET HORIZONTAL SEPARATION BETWEEN POTABLE WATER AND STORM SEWER, WASTEWATER GRAVITY MAIN, OR FORCE MAIN.
 - 4) 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.
 - 5) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING F.D.E.P. PERMIT FOR ANY DEWATERING OPERATIONS.
 - 6) 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.
 - 7) ALL DRAINAGE TRENCHES SHALL BE INSPECTED BY THE CITY OF SUNRISE PRIOR TO BACKFILLING. ALL DRAINAGE INSTALLATIONS CONSTRUCTED BY CONTRACTOR SHALL BE INSPECTED AND ACCEPTED BY THE CITY OF SUNRISE ENGINEERING DEPARTMENT.
 - 8) CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED AS-BUILT DRAWINGS PRIOR TO FINAL INSPECTION OF UNDERGROUND DRAINAGE SYSTEM BY THE CITY OF SUNRISE ENGINEERING DEPARTMENT.
 - 9) ALL WORKMANSHIP, INSTALLATION, AND MATERIALS SHALL MEET THE REQUIREMENTS OF THE CITY OF SUNRISE AND BROWARD COUNTY ENGINEERING DEPARTMENT MINIMUM STANDARDS.
 - 10) PRECAST CONCRETE MANHOLES AND CATCH BASINS SHALL MEET THE REQUIREMENTS OF A.S.T.M. SPECIFICATIONS C-478 AND 64T, AND BROWARD COUNTY ENGINEERING DEPARTMENT MINIMUM STANDARDS.
 - 11) CONCRETE FOR PRECAST MANHOLE AND CATCH BASINS SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 - 12) REINFORCING STEEL FOR MANHOLES AND CATCH BASINS SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A-615 AND A-305, LATEST EDITION.
 - 13) ALL JOINTS IN CONCRETE STRUCTURES SHALL BE FINISHED WATER TIGHT.
 - 14) ALL SPACES AROUND PIPE ENTERING OR LEAVING MANHOLES AND CATCH BASINS SHALL BE COMPLETELY FILLED WITH 2:1 CEMENT MORTAR MIX.
 - 15) REINFORCED CONCRETE PIPE SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. SPECIFICATION C-76, CLASS III, WALL THICKNESS 'B', LATEST REVISION, AND AS MODIFIED BY SECTION 941 FLORIDA D.O.T. STANDARD SPECIFICATIONS.

STORM STRUCTURE DATA			
STRUCTURE NO.	TYPE	RIM/GRATE	INVERT
(S-1)	E INLET	EL. 8.00	I.E. 4.50 E
(S-2)	E INLET	EL. 8.00	I.E. 4.50 W I.E. 4.50 S
(S-3)	E INLET	EL. 8.00	I.E. 4.50 N I.E. 4.50* S
(S-4)	E INLET	EL. 8.00	I.E. 4.50 SW I.E. 5.50 E (10")
(S-5)	E INLET	EL. 8.00	I.E. 4.50 E I.E. 4.50* S
(S-6)	E INLET	EL. 8.00	I.E. 4.50* N I.E. 4.50* E I.E. 4.87 NE (12")
(S-7)	E INLET	EL. 8.00	I.E. 4.50* N I.E. 4.50* W I.E. 1.50* S
(S-8)	TYPE 9 INLET	FL. EL. 7.80±	I.E. 4.50* S
(S-9)	TYPE 9 INLET	F.L. EL. 7.90±	I.E. 4.50 N I.E. 4.50* W
(S-10)	CONTROL STRUCTURE. SEE DETAIL #26 ON SHEET C11		
(S-11)	ENDWALL	N/A	I.E. 3.25

(* Provide pollution retardant baffles at all exfiltration trenches and outfalls)

CITY OF SUNRISE
PLANNING & DEVELOPMENT DEPT.
FINAL PLANS
APPROVED FOR INSTALLATION EXCEPT AS NOTED
DATE: JUN 13 2007
ADDITIONAL REQUIREMENTS PRIOR TO CONSTRUCTION:
-PRE CONSTRUCTION MEETING WITH CITY
-PERMITS FROM APPLICABLE REGULATORY
AUTHORITIES AND THE CITY
-COMPLETE SET OF APPROVED PLANS
MUST BE ON WORK SITE AT ALL TIMES.

REVISIONS	BY
1 CITY ENG. 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

WARNING: IF THIS BAR DOES NOT MEASURE THIS COPY OF THIS DOCUMENT IS NOT TO SCALE

JUN 11 2007
JOHN C. KELLY, P.E.
FLORIDA P.E. #44011

ABC LIQUORS, INC.
8889 S. ORANGE AVE. - ORLANDO, FLA. 32824

ABC FINE WINE & SPIRITS STORE #50
SAWGRASS MILLS, NORTH FLAMINGO ROAD, SUNRISE, FLORIDA

DRAINAGE PLAN

DRAWN: CKS
CHECKED: JJK
DATE: OCT. 2006
SCALE: 1" = 30'
JOB No: 05-0344.000
SHEET: C7

007_50_DRA.dwg 4/9/2007 4:30:41 PM csmh