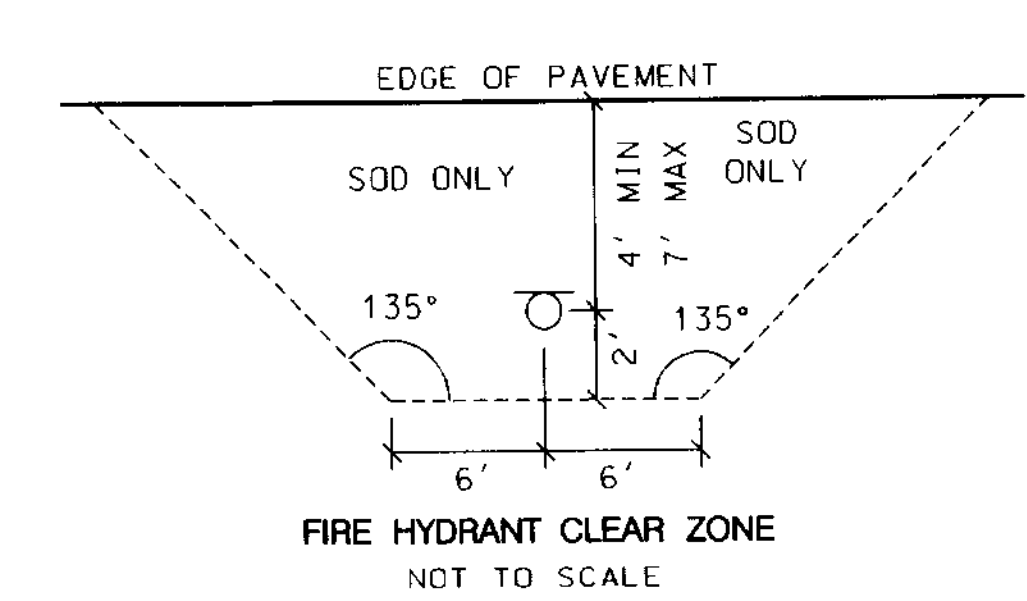
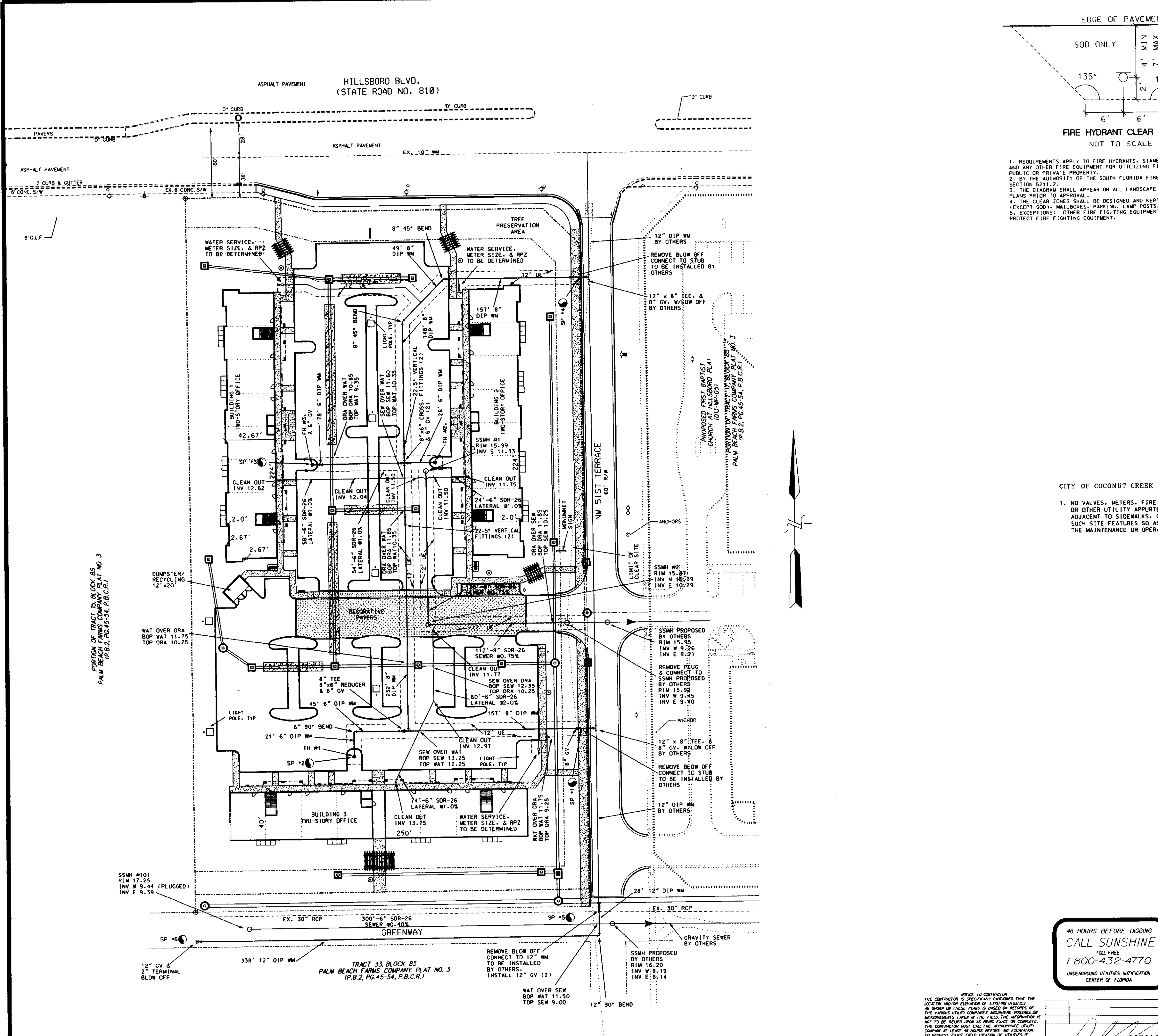
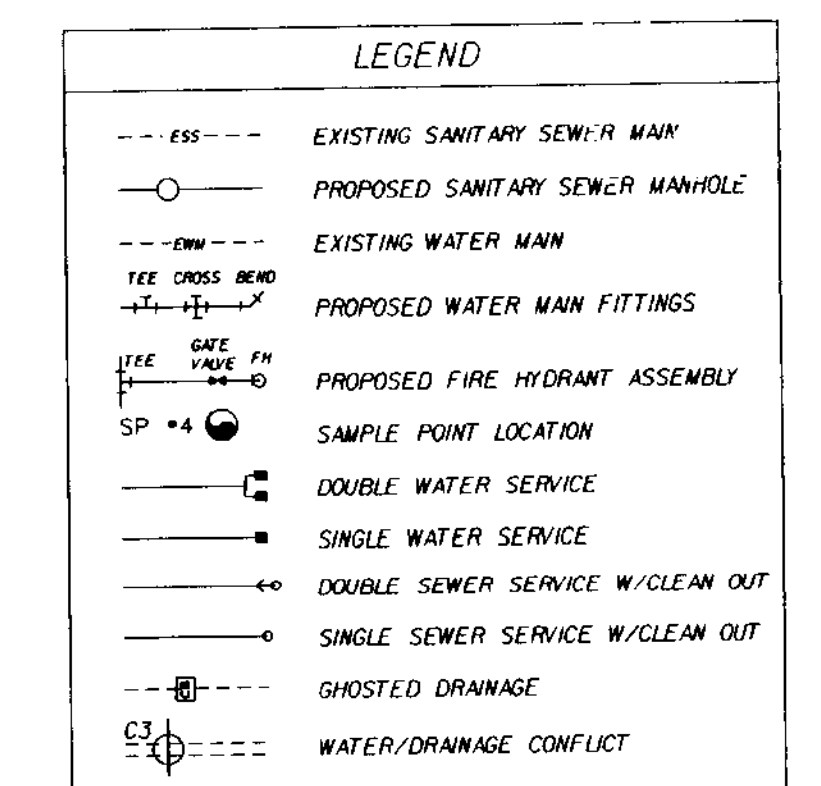




1. REQUIREMENTS APPLY TO FIRE HYDRANTS, SIAMSE CONNECTIONS, AND ANY OTHER FIRE EQUIPMENT FOR UTILIZING FIRE HOSE, ON PUBLIC OR PRIVATE PROPERTY.
2. BY THE AUTHORITY OF THE SOUTH FLORIDA FIRE PREVENTION CODE SECTION 5211.2.
3. THE DIAGRAM SHALL APPEAR ON ALL LANDSCAPE AND ENGINEERING PLANS PRIOR TO APPROVAL.
4. THE CLEAR ZONES SHALL BE DESIGNED AND KEPT FREE OF LANDSCAPE (EXCEPT SOD), MAILBOXES, PARKING, LAMP POSTS, AND ALL OTHER OBJECTS.
5. EXCEPTIONS: OTHER FIRE FIGHTING EQUIPMENT, OR TRAFFIC POSTS TO PROTECT FIRE FIGHTING EQUIPMENT.



STANDARD NOTES:

1) VERTICAL CROSSINGS
Sanitary sewer systems and/or reclaimed water mains shall cross under potable water mains whenever physically possible. Sanitary sewer systems and/or reclaimed water mains crossing below potable water mains shall be laid to provide a preferred vertical separation distance of 12 inches (minimum 6" for gravity/reclaimed main) between the invert of the potable water main and the crown of the lower pipe. Wherever it is physically possible:

2) HORIZONTAL SEPARATIONS
Sanitary sewer systems require a preferred 10-foot horizontal separation distance (minimum 6-foot) outside to outside of pipe between any potable water main parallel installations. Reclaimed water mains require a minimum of a 3 foot outside to outside of pipe horizontal separation distance between any potable water main and/or a sanitary sewer system parallel installations. Wherever either are not physically possible, then the potable water main shall be laid at the maximum physical horizontal separation distance possible, and either laid:
A) in a separate trench
B) on an undisturbed earth shelf; and conforming to the minimum Vertical Crossings in paragraph 1).

3) CONFLICTS
Wherever it is not possible to maintain the minimum standards in 1) and 2), then all piping material shall be ductile iron pipe (DIP). All DIP shall be class 50 or higher. Adequate protective measures against corrosion shall be used as determined by the design and site conditions. Additionally, the potable water main shall a full joint centered on the conflict and mechanically restrained. An absolute minimum vertical separation distance of 6 inches shall be provided between the invert of the upper pipe and the crown of the lower pipe.

CITY OF COCONUT CREEK NOTE:

1. NO VALVES, METERS, FIRE HYDRANTS, CLEANOUTS, MANHOLES, OR OTHER UTILITY APPURTENANCES ARE TO BE PLACED IN, OR ADJACENT TO SIDEWALKS, CURBS, PARKING SPACES OR OTHER SUCH SITE FEATURES SO AS TO PRESENT A HAZARD OR RESTRICT THE MAINTENANCE OR OPERATION OF THE UTILITY INFRASTRUCTURE.

SPECIFIC NOTES:

1. CONSTRUCTION OF THE SANITARY SEWER MUST BEGIN AT THE SYSTEM LOW POINT (NW 42ND AVENUE) AND CONTINUE IN AN UPWARD FASHION TO THE SYSTEM HIGH POINT. THERE IS NO EXCEPTION TO THIS REQUIREMENT.

2. ALL WATER MAINS SHALL BE DIP CLASS 51 OR HIGHER MEETING AWWA SPECIFICATIONS C-151 OR C-106 LATEST PROVISIONS. THE CITY OF COCONUT CREEK INSPECTOR MUST BE PRESENT FOR ALL DENSITIES.

3. SEE SEWER PROFILE SHEETS FOR LOCATIONS OF SEWER DIP, AND FOR RESOLUTION OF POTENTIAL UTILITY CONFLICTS.

4. DENSITY TESTS SHALL BE PERFORMED BY A CERTIFIED GEOTECHNICAL ENGINEERING FIRM DURING INSTALLATION OF THE UTILITIES.

5. REFER TO BOUNDARY & TOPOGRAPHIC SURVEY FOR EXISTING LOCATIONS & TOPOGRAPHIC CONDITIONS.

DIP SEWER SPECIFICATIONS:

1. ALL DIP GRAVITY SEWER SHALL BE POLYLINE.

RECORD DRAWING REQUIREMENTS:

1. WATER AND SEWER AS-BUILT DRAWINGS AND DISKETTES SHALL BE SUBMITTED TO THE CITY AFTER COMPLETION OF THE PROJECT. AS-BUILT DRAWINGS SHALL CONSIST OF:

A. FOUR (4) COMPLETED, FULL SETS OF BLUEPRINTS, SIGNED & SEALED.
B. ONE (1) FULL COMPLETED, SETS OF MYLAR.

2. AS-BUILT INFORMATION SHALL INCLUDE:

A. DISTANCE AND OFFSET FROM A REFERENCED POINT FOR WATER MAIN, FITTINGS, VALVES, SERVICE LINES, BLOW OFFS, FIRE HYDRANTS, ETC.
B. ELEVATION OF TOP OF PIPE FOR WATER MAIN AND FORCE MAIN AT 50 FOOT INTERVALS, FITTINGS, VALVES, AND PIPE AT CROSSINGS.
C. ELEVATION OF MANHOLE RIMS AND INVERTS.
D. DISTANCE OF SEWER PIPE BETWEEN MANHOLES.
E. TYPE OF MATERIALS INSTALLED INCLUDING LOCATIONS OF CHANGE OF MATERIALS.

CITY OF COCONUT CREEK PERMIT SET
MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION.
NOTICE INSPECTION REQUIRED
24 HRS. PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT OF WAY CONTACT THE CITY OF COCONUT CREEK ENGINEERING DEPARTMENT FOR INSPECTION.

NOTE
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE CITY OF COCONUT CREEK ENGINEERING DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.

48 HOURS BEFORE DIGGING
CALL SUNSHINE
TOLL FREE
1-800-432-4770
UNDERGROUND UTILITIES NOTIFICATION
CENTER OF FLORIDA

NOTICE TO CONTRACTOR
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, ON MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE USED AS A BASIS FOR ANY CLAIMS OR DAMAGES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

NOV 2, 2006
HOWARD JACOBSON, P.E. #47514 DATE

PROJECT:		TITLE:	
5150 HILLSBORO		WATER & SEWER PLAN	
DATE:	REVISIONS	DATE	COMMENTS
06/01/06			
SCALE: 1" = 40'			
DRAWN BY: H.E.L.			
CHECKED BY: L.J.			
APPROVED BY: H.E.L.			
PROJECT #:	06-0010		
AJ HYDRO ENGINEERING, INC.		SHEET NUMBER	
5932 NW 73RD COURT		WS1	
PARKLAND, FL 33067		OF	
TEL (954) 344-7866		5	
FAX (954) 344-7866			