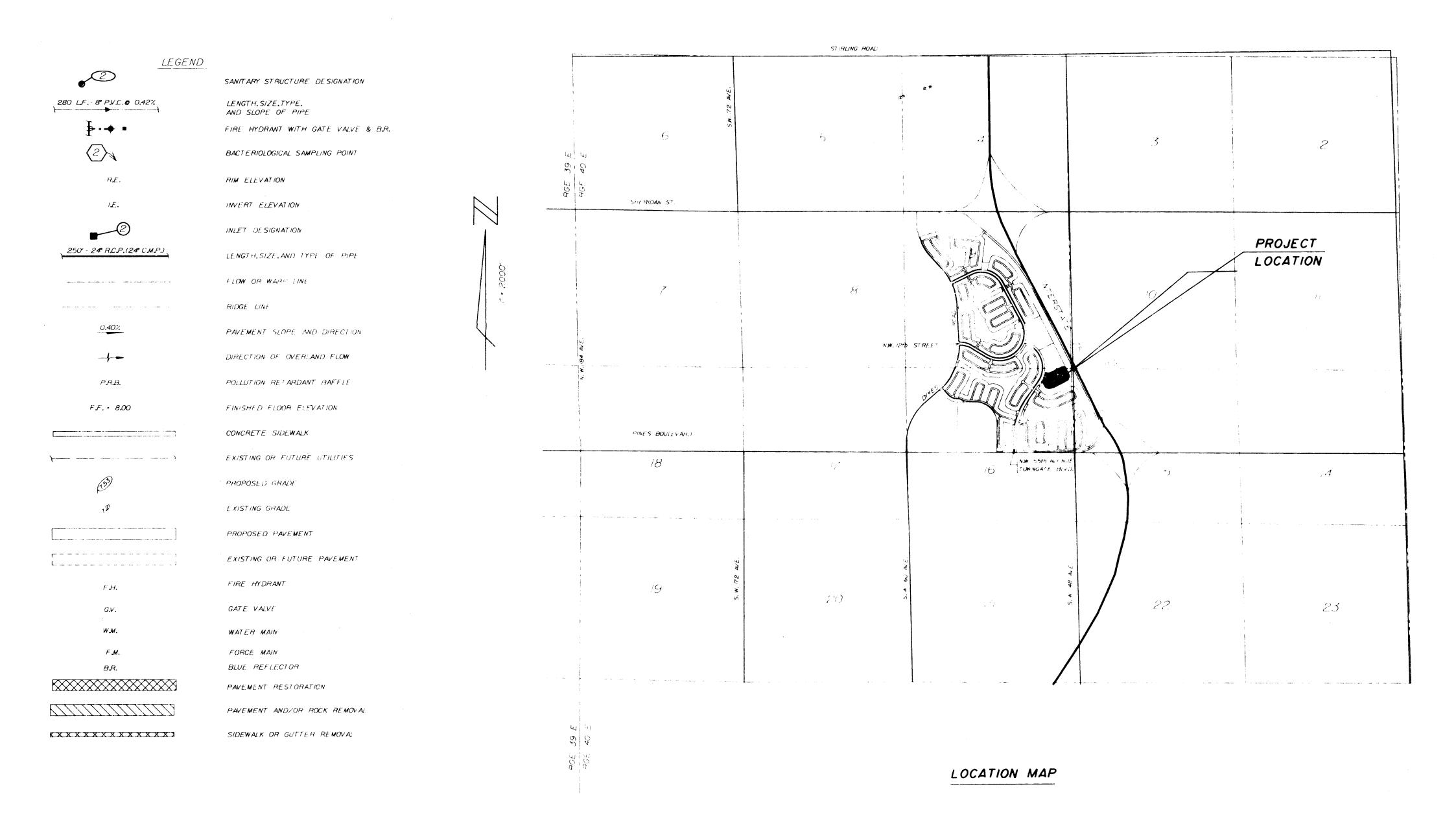
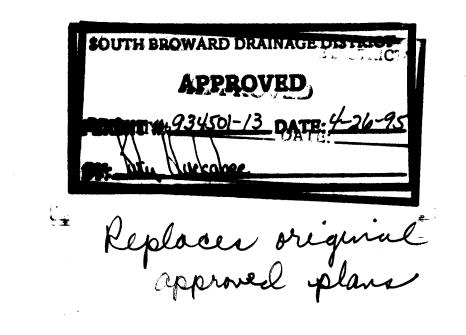


TOWNGATE-VILLAGE 8

CITY OF PEMBROKE PINES, BROWARD COUNTY, FLORIDA TOWNGATE LIMITED PARTNERSHIP MINTO COMMUNITIES (PEMBROKE), INC.



PAVING AND DRAINAGE SYSTEM TRAFFIC MARKINGS WATER DISTRIBUTION SYSTEM SEWAGE COLLECTION SYSTEM



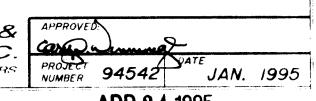
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Portion of Parcel "B", TOWNGATE, according to the plat thereof, as recorded in Plat Book 156, Page II, of the Public Records of Broward County, Florida, more

COMMENCING at the most southerly—southwest corner of said Parcel "B:,TOWNGATE; thence North 45°34'58" West, (bearing based on the record plat) for 49.50 feet; point of curvature; thence northeasterly along—the arc of a curve to the right, having a radius of 2604.00 feet and a central angle of 28°24'21", far 1291.00 feet to a point of tangency; thence North 27°49'23" East for 254/2 feet; thence North 34°25'02" East for 544.75 feet to a point of curvature; thence feet and a central angle of 12°19'51", for 189.39 feet to the POINT OF radial line bears North 74°33′56" West; thence northerly along the arc of a feet and a central angle of 90°00′00″, for 3/4/6 feet to a point of tangency; thence South 62°33'51" West for 39450 feet to a point of curvature; thence southwesterly long the arc of a curve to the right, having a radius of 675.00 feet and a central angle of 15°46'37" for 185.87 feet to a point of compound curve to the right, having a radius of 200.00 feet and a central angel of northwesterly, westerly and southwesterly along the arc of a curve to the left, thence North 55°34'58" West, along a line radial to the last described curve, for 35.00 feet, thence North 34°25'02" East for 9.18 feet to a point of curvature; thence northeasterly along the arc of a curve to the left, having a North 72°01"56" West for 1.45 feet to a point of curvature; thence southwesterly along the arc of a curve to the left having a radius of 25.00 feet and a central angle of 85°52′53″, for 37.47 feet to the POINT OF BEGINNING.

Said lands situate, lying and being in the City of Pembroke Pines, Broward County, Florida and contain 10.544 acres, more or less.





GENERAL NOTES FOR WATER DISTRIBUTION AND SEWAGE COLLECTION SYSTEMS

- ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL APPLICABLE FEES AND CHARGES MUST BE PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.APPROVAL OF DEVELOPMENT PLANS BY THE CITY IN NO WAY IMPLIES VERIFICATION OF THE ACCURACY OF THOSE PLANS OR FEATURES DEPICTED THEREON, ANY DISCREPANCY IN, OR VARIATION FROM, THE APPROVED PLANS IS TO BE BROUGHT TO THE ATTENTION OF THE CITY'S ENGINEER BY THE OWNERS ENGINEER.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- 6. THE CONTRACTOR SHALL INFORM THE CITY OF PEMBROKE PINES ENGINEERING 8 UTILITY DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATIONS OF ALL UTILITIES, AND NOTIFICATION OF SUNSHINE STATE 1,(PH.1-800-432-4770,48 HOURS IN ADVANCE OF CONSTRUCTION.
- THE CONTRACTOR SHALL INFORM THE CITY OF PEMBROKE PINES ENGINEERING & UTILITY DEPERTMENT AND WINNINGHAM 8 FRADLEY, INC. A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF CONNECTING TO A CITY
- 9. A PRE-CONSTRUCTION MEETING IS TO BE HELD AT CITY HALL AND ATTENDED BY THE CONTRACTOR, OWNER'S ENGINEER, AND OTHER INTERESTED PARTIES PRIOR TO ISSUANCE OF ANY CONSTRUCTION PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SCHEDULING OF TESTS AS MAY BE DEEMED NECESSARY BY THE CITY OF PEMBROKE PINES UTILITY DEPARTMENT AND THE OWNER'S ENGINEER OR AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
- CONSTRUCTION SHALL BE CARRIED OUT IN STRICT COMPLIANCE WITH THOSE STANDARDS ACCEPTED BY BROWARD COUNTY OFFICE OF ENVIRONMENTAL SERVICES AND ADOPTED BY THE CITY OF PEMBROKE PINES.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON-SITE.THE PLANS ARE TO BE MADE AVAILABLE TO THE CITY ENGINEER OR HIS DESIGNEE UPON REQUEST.
- 13. WHERE SANITARY SEWER MAINS CROSS UNDER WATER MAINS WITH LESS THAN 18 INCH VERTICAL CLEARANCE, AND WHERE THE SANITARY SEWER CROSSES ABOVE A WATER MAIN, BOTH PIPES SHALL BE DUCTILE IRON PIPE FOR A DISTANCE OF 20 FEET CENTERED ON THE POINT OF INTERSECTION IN NO CASE SHALL VERTICAL CLEARANCE BETWEEN ANY UNDERGROUND PIPING BE LESS THAN 12 INCHES A HORIZONTAL SEPARATION OF 10 FEET SHALL BE MAINTAINED BETWEEN SANITARY SEWER AND WATER MAIN
- THE OWNER'S ENGINEER SHALL MAKE SUFFICIENT OBSERVATIONS OF THE WORK TO ENABLE HIM TO CERTIFY TO THE INSTALLATION AS BEING IN SUBSTANTIAL CONFORMANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS.
- THE CITY OF PEMBROKE PINES UTILITY DEPARTMENT AND THE ENGINEER OF RECORD WILL CARRY OUT INSPECTIONS OF THE WORK,AND WILL WITNESS PRESSURE,BACTERIOLOGICAL,AND INFILTRATION/ - EXFILTRATION TESTS TELEVISION INSPECTION OF ALL GRAVITY SANITARY SEWER SYSTEMS ARE REQUIRED.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL APPROVED REFLECTIVE MARKERS PLACED IN THE CENTER OF THE DRIVING LANE ADJACENT TO, FIRE HYDRANTS (BLUE REFLECTOR), AND VALVES OR M.H.S. OUTSIDE PAVEMENT AREAS ORANGE R.P.M.'S FOR MANHOLES,WHITE R.P.M.'S FOR GATE VALVES,AND GREEN R.P.M.'s FOR FORCE MAIN VALVES.
- THE FOLLOWING DOCUMENTS ARE TO BE ON FILE AT THE CITY OF PEMBROKE PINES PRIOR TO THE CONNECTION OF THE FIRST WATER METER:
 - A. LETTERS OF ACCEPTANCE FROM:
 - BROWARD COUNTY PUBLIC HEALTH UNIT BROWARD COUNTY DEPARTMENT OF NATURAL RESOURCE PROTECTION
 - B. CERTIFICATION OF ENGINEER OF RECORD.
 - C. THREE SIGNED AND SEALED COPIES OF AS-BUILTS CERTIFIED BY A PROFESSIONAL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
- 18. NO DEVIATION FROM APPROVED PLANS SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THE
- [9] THE MINIMUM ALLOWABLE HORIZONTAL CLEARANCE BETWEEN UTILITIES AND OBSTRUCTIONS TO BE 3'-0" INCLUDING CATCH BASINS. THE MINIMUM ALLOWABLE HORIZONTAL CLEARANCE BETWEEN UTILITIES AND TREES IS TO BE 5'-0". FIRE HYDRANTS MUST HAVE A 7.5' CLEAR RADIUS OF ALL OBSTRUCTIONS. POLES, BOXES, PLANTINGS, ETC.
- THE MINIMUM FOOT VALVE SIZE ON FIRE HYDRANTS SHALL BE 5 1/4".
- AT PROJECT COMPLETION,THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING EXCESS DEBRIS FROM THE CONSTRUCTION SITE.

GENERAL NOTES FOR SEWAGE COLLECTION SYSTEM & DRAINAGE SYSTEM

- PRECAST STRUCTURES SHALL CONFORM TO ASTM C-478 AND 64T PRECAST STRUCTURE MUST BE CERTIFIED BYAN INDEPENDANT ENGINEERING TESTING LABATORY. SIGNED AND DATED, CERTIFYING THAT THEY MEET THE REQUIREMENTS OF ASTM C-478 FOR CONCRETE STRENGTH, STEEL REINFORCEMENT AREA AND PLACEMENT, AND APPEARANCE. MANHOLES AND CATCH BASINS MUST BE INSPECTED BY THE CITY BEFORE UNLOADING.
- CONCRETE FOR PRECAST MANHOLES AND CATCH BASINS OR CAST IN PLACE MANHOLES AND CATCH BASINS SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- MINIMUM WALL AND BASE THICKNESS FOR PRECAST MANHOLES SHALL BE 8 INCHES, EXCEPT FOR P BOTTOMS WHICH SHALL HAVE 6" WALLS. REINFORCING STEEL FOR MANHOLES AND CATCH BASINS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615,A-305,A-185,AND A-497 LATEST REVISION.SPLICES SHALL HAVE A MINIMUM LAP OF 24 BAR DIAMETERS. MINIMUM COVER OVER REINFORCING STEEL SHALL BE 3 INCHES.ALL DRAINAGE STRUCTURES SHALL MEET FDOT SPECIFICATION.
- 4. ALL OPENINGS IN PRECAST MANHOLES AND CATCH BASINS SHALL BE CAST AT THE TIME OF MANUFACTURE
- PRECAST MANHOLE AND CATCH BASIN SHOP DRAWINGS SHALL BE SUBMITTED TO THE CITY OF PEMBROKE PINES AND ENGINEER FOR.
- ALL MANHOLES AND CATCH BASINS SHALL BE SET PLUMB TO LINE AND GRADE,AND SHALL REST ON A FIRM, CAREFULLY GRADED SUBGRADE, WHICH SHALL PROVIDE UNIFORM BEARING UNDER BASE
- MANHOLE SECTIONS SHALL BE JOINED WITH A MASTIC COMPOUND PRODUCING A WATER TIGHT BOND. THE REMAINING SPACE SHALL BE FILLED WITH CEMENT MORTAR AND FINISHED SO AS TO PRODUCE A SMOOTH CONTINUOUS SURFACE INSIDE AND OUTSIDE THE WALL SECTIONS.
- ALL CONCRETE AND MORTAR USED IN MANHOLE AND CATCH BASIN CONSTRUCTION SHALL HAVE TYPE II
- ALL SPACES AROUND PIPES ENTERING OR LEAVING MANHOLES SHALL BE COMPLETELY FILLED WITH EMBECO MORTAR (NON-METALLIC) OR BONSAL (NON-SHRINKING).
- TWO COATS OF KOPPER'S 300 M SHALL BE APPLIED TO THE INSIDE OF THE MANHOLES AND WETWELLS FIRST COAT RED, SECOND COAT BLACK, ON THE OUTSIDE OF THE MANHOLE, ONLY ONE COAT IS NECESSARY.

- SANITARY MANHOLES AND LIDS SHALL BE CAPABLE OF WITHSTANDING AASHTO H-20 LOADING. USF 420A. D.A.E. LIDS SHALL SAY "CITY OF PEMBROKE PINES SANTARY SEWER".
- ALL GRAVITY SEWER PIPE SHALL BE PVC OR DUCTILE IRON PVC PIPE SHALL CONFORM TO ASTM D 3034, SDR 35, LATEST REVISION, WITH MAXIMUM 13 FOOT LENGTHS AND PUSH-ON RUBBER GASKET JOINTS DUCTILE IRON GRAVITY PIPE SHALL CONFORM TO THE SPECIFICATION FOR FORCE MAIN. ALL FORCE MAINS SHALL BE LINED WITH A VIRGIN POLYETHYLENE LINER COMPLYING WITH A.S.T.M. D-1248 COMPOUNDED WITH SUFFICIENT ADDITIVES TO RESIST ULTRAVIOLET RAYS DURING ABOVE GROUND STORAGE OF THE PIPE. THE POLYETHYLENE SHALL BE FUSED TO THE INTERIOR OF THE PIPE BY HEAT, FORMING A TIGHTLY BONDED LINING APPROXIMATELY 40 MILS THICK EXTENDING FROM SPIGOT END TO THE
- CONNECTING TO THE EXISTING SYSTEM ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE UNDER THE DIRECTION OF THE CITY UTILITIES DEPARTMENT. VALVES THAT SEPARATE THE MAINS BEING INSTALLED FROM THE EXISTING MAINS SHALL BE OPERATED BY OR UNDER THE DIRECTION OF THE CITY UTILITIES DEPARTMENT REPRESENTATIVE ONLY.
- THE CONTRACTOR SHALL TEST THE COMPLETED SEWER LINE TO DETERMINE THE ALIGNMENT AND TIGHTNESS OF THE JOINTS.GRAVITY SEWER MAINS SHALL BE LAMPED AND MUST SHOW A FULL CIRCLE OF LIGHT. INFILIRATION AND EXFILTRATION TESTING SHALL BE CONDUCTED. LEAKAGE SHALL NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE PER DAY. NO VISIBLE INFILTRATION SHALL BE ALLOWED.
- A READ STAKE SHALL BE INSTALLED AT EVERY SEWER SERVICE LOCATION.
- SANITATY SEWER SHALL BE TELEVISED AT OWNERS EXPENSE. OWNER / CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PROIR TO THE CITY'S CERTIFICATION OF COMPLETION TO ANY AGENCY.
- ALL PROBLEMS/DEFECTS ASSOCIATED WITH THE SANITARY SEWER SYSTEM SHALL BE PROPERLY ADDRESSED PRIOR TO CITY CERTIFICATION TO ANY AGENCY.
- SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER AND THE CITY OF PEMBROKE PINES FOR APPROVAL PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISED OR UNACCEPTABLE MATERIALS INSTALLED OR ORDERED WITHOUT AN APPROVED SHOP DRAWING. FOUR COPIES OF THE SHOP DRAWINGS SHALL BE SUBMITTED

WATER DISTRIBUTION SYSTEM NOTES

- ALL WATER MAIN SHALL BE PVC CONFORMING TO ANSIZAWWA SPECIFICATION C-900-89-DRIB.
- 2. FITTINGS SHALL BE DUCTILE IRON CLASS 350 MEETING AWWA/ANSI CI53/A21.53 88 SPECIFICATIONS. FITTINGS MUST BE CEMENT LINED AND SEAL COATED PER AWWA/ANSICIO4/A214-90.
- 3. GATE VALVES 4" AND LARGER SHALL MEET AWWA C 509 87 SPECIFICATION VALVES MUST BE MUELLER CO. OR APPROVED EQUAL. MECHANICAL JOINT, RESILIENT STATED
- 4. WATER SERVICE PIPING, FITTINGS, AND SERVICE TUBING SHALL BE POLYBUTYLENE CONFORMING TO AWWA SPECIFICATION C-902 88 SDR 9, 200 psi RATING
- -5 ALL METER SERVICE CONNECTIONS SHALL BE BRONZL FROM PLUG VALVE TO PLUG VALVE.NO GATE VALVES ARE TO BE USED [2" OR LESS] 90° ANGLE LOCK WING
- PAVEMENT RESTORATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- ALL TRENCHING, PIPE-LAYING, BACKFILL, PRESSURE LESTING AND DISINFECTING MUST COMPLY WITH THE CITY OF PEMBROKE PINES UTILITIES WATER AND WAS EWATER MINIMUM CONSTRUCTION REQUIREMENTS
- -8. THE ENGINEER WILL TAKE ALL BACTERIOLOGICAL SAMFLES TO AN H.R.S CERTIFIED LABORATORY AND SUBMIT RESULTS TO THE CITY OF PEMBROKE PINES ETIENTES
- 9. ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE UNDER THE DIRECTION OF THE CITY OF PEMBROKE PINES UTILITIES DEPARTMENT.
- IO. ALL PIPE,ETC.SHALL BE TESTED UNDER A CONSTANT. PRESSURE OF 150 PSP OR A MINIMUM TEST OF 2 HOURS AND SHALL NOT EXCEED THE LEAKAGE REQUIREMENTS AS PER AWWAYANSISPI CETCATIONS OF C600-93 LEAKAGE FORMULA

- Q ALLOWABLE LEAKAGE IN GALLONS FOR HOUR
- S . TOTAL LENGTH OF PIPE TESTED NOTELT D = DIAMETER OF THE PIPE TESTED IN NOHES
- P = AVERAGE TEST PRESSURE IN POUNDS PER SQUARE MICH.
- II THE MINIMUM DEPTH OF COVER OVER OVER MATER MANS SHALL BE 36 INCHES 8 OVER DLP SHALL BE 30 NCHES.
- 12. DISINFECTION OF MAINS SHALL COMPLY WITH AWWA : 65: 92 SPECIFICATIONS STANDARD BACTERIOLOGICAL SAMPLING POINTS SHALL BE DESIGNATED ON THE ENGLIFERING PLANSIFORCE MAIN SHALL NOT BE DISINFECTED.
- 13 MINIMUM VALVE SPACING SHALL BE AS PER SECTION 82 OF THE TEN STATES STANDARDS.
- 14. WHEN PVC IS USED FOR WATER MAIN A 3" STRIP OF METALLE TAPE SHOLD BE INSTALLED THE LENGTH OF THE PIPE 18" ABOVE THE PIPE WITH THE WORDS "WATER(OF FORCE) MAIN BORD DELOW" FACING UPWARD NON-METALIC TAPE SHALL BE USED ON DIP
- -- S. ALL DIP.WATER MAIN SHALL BE FLAS'S 350, CONFORM NO TO ANISIZAWW ALSPECIFICATION CISEA21.4 9LAND BE CEMENT MORTAR LINED AND SEAL COATED FOR ADDIT AWWALSPECIFICATION CIO4XA. 4 90-
- -15. PLUG VALVES SHALL BE DUCTILE TRON MANUFACTURE: BY CLOW OR EQUAL
- 16. A TEMPORARY METER SHALL BE INSTALLED BY THE CONTRACTOR
- FOR ANY TEMPORARY SERVICES
- -17. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHAL. BE SUBMITTED '' THE ENGINEER AND THE GITY OF PEMBROKE PINES FOR APPROVAL PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISED OR UNACCEPTABLE MATERIALS INSTALLED OR ORDERED WITHOUT AN APPROVED SHOP DRAWING. FOUR COPIES OF THE SHOP DRAWINGS SHALL BE SUBMITTED

PAVING AND DRAINAGE SYSTEM NOTES

- IL ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF PEMBROKE. PINES ENGINEERING DEPARTMENT, THE SOUTH BROWARD DRAINAGE DISTRIC , AND THE FLORIDA DEPARTMENT OF TRANSPORTATION.
- -2. PRIOR TO CONSTRUCTION,THE CONTRACTOR SHALL GIVE TIMELY NOTIFICATION TO ALL UTILITY COMPANIES. WITH FACILITIES IN THE AREA.
- 3. THE LOCATIONS OF EXISTING FACILITIES WERE PLOTTED FROM AVAILABLE RECORDS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES, UTILITIES AND SURVEY MARKERS.
- -4; ALL DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) MEETING THE REGUIREMENTS OF ASTMI SPECIFICATION C76-85a.
- MINIMUM COVER FOR ALL PIPE CULVERTS SHALL MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (INDEX NO.: 05)
- ALL UNDERGROUND FACILITIES SHALL BE INSTALLED POWOR TO PLACING THE LIMEROUS WASE MATERIAL . .
- THE CONTRACTOR AND/OR HIS SUPERINTENDENT SHALL HAVE AT LEAST ONE CORY OF TACH OF THE FOLLOWING PUBLICATIONS ON THE JOB SITE DURING CONSTRUCTION OF THIS PROJECT. - AJCITY OF PEMBROKE PINES ENGINEERING DEPAREMENT STANDARD DETAILS SPECIFICATIONS &
 - PROCEDURAL MANUAL, JANUARY 1990. BUFLORIDA DEPARTMENT OF TRANSPORTATION-STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION
- CLELORIDA DEPARTMENT OF TRANSPORTATION READWAY AND TRAFF C DESIGN STANDARDS, JANUARY 1992.
- DJUS DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, MARCH 1988

- 8. THE FOLLOWING INSPECTIONS ARE REQUIRED BY THE CITY OF PEMBROKE PINES ENGINEERING DEPT. PLEASE CALL 435-6512 48 HRS PRIOR TO THE TIME THE INSPECTION IS NEEDED.
 - A.CLEARING AND FILLING B.STORM DRAINS/UTILITIES C.SUBGRADE D.ROCK BASE E.PRIME COAT F.ASPHALT
 - G.FINAL H.PAVEMENT MARKINGS
- 9. DENSITY TESTS FOR SUBGRADE MUST BE SUBMITTED TO AND APROVED BY THE CITY OF PEMBROKE PINES.
- IO. DENSITY TESTS AND AS-BUILTS FOR LIMEROCK BASE MUST BE SUBMITTED AND APPROVED BY THE CITY OF PEMBROKE PINES PRIOR TO THE PLACEMENT OF ANY ASPHALT.

SOUTH BROWARD DRAINAGE DISTRICT GENERAL NOTES

THE FOLLOWING GENERAL NOTES ARE REQUIRED BY SOUTH BROWARD DRAINAGE DISTRICT. THEY ARE NOT MEANT TO BE ALL INCLUSIVE AND IT IS THE ENGINEER'S RESPONSIBILITY TO ADD ANY NOTES WHICH WILL INFORM THE OWNER AND THE CONTRACTOR OF ANY ADDITIONAL REQUIREMENTS OF THE SOUTH BROWARD DRAINAGE DISTRICT.

LIMEROCK BASE COURSE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 911 OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS EXCEPT THE MINIMUM PERCENTAGE OF CARBONATE OF CALCIUM AND MAGNESIUM SHALL BE SIXTY PERCENT (60%).

THE CONTRACTOR SHALL CALL THE SOUTH BROWARD DRAINAGE DISTRICT 24 HOURS PRIOR TO BACK FILLING OF DRAINAGE TRENCHES, PLACEMENT OF ASPHALT, SHAPING OF CANAL OR LAKE BANKS FROM THE DEEP CUT LINE AND AS REQUIRED BY DISTRICT, CALL (305) 681-3337 OR (305) 681-3338. THE SOUTH BROWARD DRAINAGE DISTRICT'S WORKING HOURS ARE FROM 8:00 AM.TO 4:30 P.M.

ANY REVISIONS TO THESE PLANS MUST BE APPROVED BY SOUTH BROWARD DRAINAGE DISTRICT PRIOR TO CONSTRUCTION.

BONDS AND INSPECTIONS

UPON DISTRICT BOARD OF SUPERVISORS APPROVAL OF PLANS, BUT BEFORE CONSTRUCTION CAN COMMENCE, THE FOLLOWING ITEMS MUST. BE COMPLIED WITH:

- A BOND (CASH OR SURETY) OR LETTER OF CREDIT, IN THE DISTRICT'S FAVOR MUST BE POSTED IN THE AMOUNT STATED IN SECTION 411 OF THE DISTRICT'S DESIGN CRITERIA MANUAL.
- B ALL EASEMENTS, DEED RESTRICTIONS, INDEMNIFICATION AGREEMENTS, MAINTENANCE AGREEMENTS AND DEEDS AS REQUIRED BY THE DISTRICT SHALL BE PRESENTED TO THE DISTRICT MANAGER AND ATTORNEY FOR APPROVAL BEFORE RECORDATION. ALL COSTS OF RECORDING THE APPLICABLE INSTRUMENT WILL BE BORNE BY THE DEVELOPER.
- C. UPON COMPLIANCE WITH THE CONDITIONS REQUIRED BY THE DISTRICT FOR APPROVAL AND RECEIPT OF APPROVED PLANS FROM THE DISTRICT'S ENGINEER, THE DISTRICT'S MANAGER WILL MARK THE PLANS "APPROVED" AND SIGN SAME AND DISTRIBUTE THE APPROVED PLANS TO THE DEVELOPER AND THE DISTRICT FILES
- D BONDS SHALL BE PROVIDED BY THE PRINCIPALS OF DEVELOPMENTS ONLY CONTRACTOR OR SUB-CONTRACTOR BONDS ARE NOT ACCEPTABLE
- E. IF REQUIRED BY DISTRICT, A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED AT LEAST SEVEN (7) DAYS PRIOR TO CONSTRUCTION

RECORD DRAWING DATA REQUIREMENTS:

ELEVATION SHOWN AT 100 OZC MINIMUM.

I ALL WATER MAINS SHALL HAVE THE TOP OF PIPE'S

2 ALL FITTINGS AND VALVES SHALL BE LOCATED USING A

3. LOCATE ALL WATER SERVICES, SEWER SERVICES, VALVES,

PHYSICAL BASELINE AT THE TOP OF FITTING ELEVATION.

SHOWING WHERE PIPE WAS CHANGED IN MATERIAL TYPE.

6. RECORD DRAWINGS SHALL BE LOCATED AND CERIFIED BY A

PLIS. REGISTERED IN THE STATE OF FLORIDA.

FIRE HYDRANTS & CLEANOUTS FROM A PHYSICAL BASELINE.

5. IDENTIFY ALL PIPE MATERIAL USED ON THE PROJECT SPECIFICALLY

4. SHOW ALL BACTERIOLOGICAL SAMPLE POINTS AND NUMBER CONSECUTIVELY.

- 6. WHEN CONSTRUCTION IS IN PROGRESS, THE DISTRICT'S INSPECTOR WILL INSPECT THE INSTALLATION OF DRAINAGE WORKS, ACCORDING TO AN INSPECTION SCHEDULE ESTABLISHED BY THE DISTRICT. INSPECTION MUST BE MADE BY DISTRICT PERSONNEL OF ALL UNDERGROUND STORM DRAIN FACILITIES BEFORE BACKFILLING, CALL (305) 680-3337/8 8:00 AM-4:30 PM FOR AN INSPECTION APPOINTMENT A MINIMUM OF TWENTY-FOUR (24) HOURS IN ADVANCE. ALL COSTS OF PERIODIC INSPECTIONS OF CONSTRUCTION BY THE DISTRICT SHALL BE BORNE BY THE DEVELOPER.
- 7. CERTIFIED "AS-BUILT" PLANS FROM THE ENGINEER OF RECORD WHICH ARE ACCEPTED AND APPROVED BY THE DISTRICT'S ENGINEERS AND MANAGER WILL BE REQUIRED BEFORE RELEASE OF THE BOND OR LETTER OF CREDIT.AS-BUILTS SHALL BE PROVIDED AS AN OVERLAY ON THE APPROVED CONSTRUCTION DRAWINGS AT THE SAME SCALE FOR COMPARISON PURPOSES AS BUILT SUBMITTAL SHALL FOLLOW THE SAME FORMAT OF GENERAL REVIEW AS OUTLINED IN SECTION 32 OF SOUTH BROWARD DRAINAGE DISTRICT'S CRITERIA AND PERMIT MANUAL
- LAKE AND CANAL AS-BUILTS SHALL BE CROSS SECTIONED SHOWING THE DESIGNED SECTION AS DASHED, AS-BUILT SECTION AS SOLID AND HAVE THE TOP OF BANK REFERENCED TO THE LAKE/CANAL MAINTENANCE EASEMENT AND PROPERTY LINES, SPACING BETWEEN EACH CROSS=SECTION SHALL BE SUCH AS TO PROVIDE ENOUGH DATA TO DETERMINE IF THE LAKE/CANAL WAS CONSTRUCTED AS DESIGNED, BUT NO GREATER THAN ONE HUNDRED (100) FEET BETWEEN CROSS-SECTIONS, UNLESS APPROVED BY DISTRICT'S ENGINEER.PLAN VIEW OF ACTUAL LOCATION OF THE TOP OF BANK AND DEEP-CUT LINE SHALL BE PROVIDED WITH CROSS-SECTIONS.
- 9. UPON SUCCESSFUL COMPLETION OF THE CONSTRUCTION AND ACCEPTANCE OF "AS-RUILTS" THE BOND OR LETTER OF CREDIT MAY BE RELEASED. FOLLOWING PAYMENT TO THE DISTRICT FOR ALL EXPENSES AND COSTS INCURRED BY THE DISTRICT WHICH ARE REQUIRED TO BE PAID BY THE DEVEL OPER.
- THE CONTRACTOR CONSTRUCTING OR EXCAVATING LAKES OR OTHER WATER BODIES SHALL EXERCISE EXTREME CAUTION TO ENSURE THAT THE BANK SLOPES AND DEEP-CUT LINES ARE CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS FOR THE DEVELOPMENT. THE CONTRACTOR OR OWNER SHALL PERIODICALLY OR AS REQUESTED BY THE DISTRICT OBTAIN A SURVEY FROM A FLORIDA REGISTERED SURVEYOR OF THE LOCATION OF THE DEEP CUT LINES PRIOR TO FORMING THE BANK SLOPES. THIS SURVEY SHALL BE TAKEN PRIOR TO THE OWNER/CONTRACTOR BEGINNING CONSTRUCTION OF THE BUILDING PAD ADJACENT TO THE WATER BODY. IN THE EVENT THE CONTRACTOR/OWNER OVERCUTS OR OVERDIGS THE WATER BODY, THE CONTRACTOR/OWNER SHALL SUBMIT TO THE DISTRICT ITS RECOMMENDED SOLUTION TO CORRECT THE OVER DIGGING. ANY SUGGESTED REMEDY OR CORRECTION MUST BE APPROVED BY THE DISTRICT BEFORE THE CONTRACTOR/OWNER COMMENCES CONSTRUCTION OF THE PROPOSED CORRECTION/REMEDY.

FIRE HYDRANTS

FIRE HYDRANTS SHALL HAVE A MINIMUM 5 1/4" VALVE OPENING AND SHALL OPEN AGAINST THE PRESSURE AND CLOSING WITH THE FLOW. HYDRANTS SHALL BE MUELLER CENTURION, MODEL NUMBER A-423 OR EQUAL. HYDRANTS SHALL MEET OR EXCEED ANSI/AWWA C502-85, C503-88 OR LATEST REVISION, AND SHALL COMPLY WITH FACTORY MUTUAL RESEARCH CORPORATION AND UNDERWRITERS LABORATORIES UL 246 STANDARD.

GENERAL NOTES

TOWNGATE - VILLAGE 8 TOWNGATE LIMITED PARTNERSHIP MINTO COMMUNITIES (PEMBROKE), INC.

WINNINGHAM & FRADLEY, INC. ENGINEERS • PLANNERS • SURVEYORS REVISE PER P.P. UTILITIES 4/5/95 DESIGNED: WAF DATE: 12/94 REVISE PER PEMBROKE PINES UTILITIES WBF DATE: 12/94 REVISE PER SBDD. 3/7/95 PROJECT 94542 SHEET GNI OF DATE

CHECKED:

DATE

