CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN, CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE CONFORMANCE TO THESE REQUIREMENTS BY ALL SUBCONTRACTORS,

THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:

- RECORD SURVEY PREPARED BY McLAUGHLIN ENGINEERING COMPANY, DATED 05/03/07

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT HE/SHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE,

2. ALL HANDICAPPED PARKING SPACES SHALL BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" ADA) CODE (42 U.S.C, § 1210) ET SEQ, AND 42 U.S.C, § 4151 ET SEQ.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THIS PROJECT IS TO BE

3. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEEN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORTIES. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS AND PPROVALS ON SITE AT ALL TIMES.

THE OWNER/CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR THE

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE REQUIREMENTS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION OVER THIS PROJECT.

6. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, SHALL TAKE PRECEDENCE UNLESS SECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.

7. THE RECORD SURVEY PREPARED BY McLAUGHLIN ENGINEERING COMPANY, DATED 05/03/07, SHALL BE CONSIDERED A PART OF THESE PLANS,

THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.

9. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE STAT OF CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE UDLE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO THE GIVING OF SUCH NOTIFICATION AND THE ENGINEER'S WRITTEN AUTHORIZATION OF SUCH ADDITIONAL WORK

CONTRACTOR SHALL REFER TO THE ARCHITECTURAL/BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY LOCATIONS,

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE BUILDING CATGOT BY CAMEFUL REVIEW OF THE SITE PLAN AND LATEST ARCHITECTURAL PLANS (RICUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER OF ANY DISCREPANCIES.

DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.

13, THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDA AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT AND CONTIGUOUS STRUCTURES.

THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMINI K ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC, WHICH ARE TI TRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEASL REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, ETC. WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA,

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY 19. IHE CONTRICTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE LONE TO ANY NEW OR EXISTING CONSTRUCTION OF ROBERTY DURING THE COURSE OF CONSTRUCTION, INC. TOTAL CONTRICTOR OF CONSTRUCTION, INC. THE COURSE OF CONSTRUCTION, INC. THE CONTRICTOR SHALL BE RESPONSIBLE FOR AND SHALL STRIPPING, CUEDE ALL SHALL SHEED CONSTRUCTION CABLE, WRITING CONDUITS, AND ANY RUNDERGROUND ACCISITED CUIPMENT DAMAGED DURING CONSTRUCTION. THE REPAIR UNDIFFACTOR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OF PROPERTY SHALL RESTORE REACH CONSTRUCTION OF PROPERTY SHALL RESTORE REACH CONSTRUCTION OF PROPERTY SHALL RESTORE REACH CONSTRUCTION OF PROPERTY SHALL RESTORE AND ADDRESS OF THE OWNER AND THE CONSTRUCTION.

16. ALL CONCRETE SHALL HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.

17. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS / MEANS FOR COMPLETION OF THE WORK DEPICTED NEITHER ON THESE PLANS, NOR FOR ANY CONFLICTISCOPE REVISIONS WHICH RESULT FROM SAME, CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY NOR HAS INGINEER OF RECORD BEEN RETAINED FOR SUCH PURPOSES,

19. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL), ALL CONTRACTORS MUST HAVE THEIR GOLP OLIC THEIR OULPULCIES ENDOUSED TO NAME BOHLER ENGINEERING, AND ITS SUB-CONSULTANTS AS ADDITIONAL NAMED INSURERS AND TO PROVIDE CONTRACTUAL LABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMITY BOULD ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST EVENISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE AS EVIDENCE OF THE RECURRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTITE PERIOD OF CONSTRUCTION, IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNITY AND HOLD HARMESS BOTHER. FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY. FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.

BOHLER ENGINEERING WILL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE 20, BOHLER ENGINEERING WILL REVIEW AND APPROVE ON TAKE OTHER APPROPRIATION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DA SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTERT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMEN CONTRACTOR MEANS AND OR METHODS.

CONSTRUCTION MEANS AND/OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, BOHLER ENGINEERINGS SHOP DRAWING REVIEW WILL BE CONDUCTED WITH RESONABLE PROMPTHESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT BOHLER ENGINEERING LAS REVIEWO THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT, BOTHLER REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT, BOTHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT OT BY ATTEMDON, IN WRITING, BY THE CONTRACTOR, BOTHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OF CORRELATED ITEMS HAVE NOT 21. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING OR ITS EMPLOYEES AND SUB-CONSULTANTS AT A CONSTRUCTION. PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS. DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS. SEQUENCE, TECHNIQUIES OR PROCEDURES INCESSARY FOR PERFORMING, SUPERINTENDIG AND COORDINATIOS THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES, SOBHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION OVER THE AUTHOR. PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION OF A THE THE PROFESS IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES, THE GENERAL CONTRACTOR SHALL BE SOLELY REPONSIBLE FOR 108 SITE SAFETY BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR OF THE PROFESSION OF THE PROF

IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS
UDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PICTOR WITHOUT FIRST OBTAINING THE PICTOR STATE OF THE NOTIONS, CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCLUDED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OF PENALTIES ASSESSED WITH RESPECT THEREOF AND ALL COMPANDED THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PAYMENT OF THE WHITE AND ENGINEER HERDERS AND ENGINEER AND ENGINEER HERDERS AND ENGINEER AND ENGINEER HERDERS AND ENGINEER E

CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THR.O.W. OR ON SITE. THE COST FOR THIS ITEM SHOULD BE INCLUDED IN THE

24. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS. 24, IF THE CONTRACTOR DEVIATES FROM HEP PLANS AND FSECIFICATIONS INCLUDING THE CONTRACTOR DEVIATES FOR THEREON, WITHOUT SECONDAINED FROM THE SECONDAINED FROM THE SECONDAINED FROM THE CONTRACTOR SECONDAINED FROM THE CONTRACT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THEREOF ON THE COMPENSATION OF REVINITION DAMAGES ARE SELECTED. THE COMPENSATION ALL SILLE TO CONTRACT OR CONTRACTOR SECONDAINED FROM THE CONTRACTOR SHAPE SECONDAINED FROM THE COSTS FROM ALL SILLE TO CONTRACT ON ANY SUCH WORK AND FROM ALL SILLE TO CONTRACT ON AND FOUND THE CONTRACTOR SHAPE SECONDAINED FROM THE COSTS OF ANY NOTICE RESPECTATION AND FOUND THE CONTRACTOR SHAPE SECONDAINED FROM THE SECONDAINED THE SECONDAINED

25, CONTRACTOR SHALL CONFIRM ADA ACCESSIBILITY PRIOR TO INSTALLING

25. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A
RECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL
AGENCIES, UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD.

77. ALL UTILITY FASEMENTS TO BE SECURED PRIOR TO CONSTRUCTION (IF REQUIRED) PRIOR TO CERTIFICATE OF OCCUPANCY, THESE EASEMENTS SHALL BE SKETCHED, DESCRIBED, AND RECORDED AT THE SOLE COST OF THE

 28_{\circ} CONTRACTOR SHALL PROVIDE MINIMUM 48 HOUR NOTICE TO ENGINEER AND APPLICABLE AGENCIES FOR SCHEDULING INSPECTIONS.

29, PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND CITY OF COCONUT CREEK FOR THE FOLLOWING: CAFCH BASINS, FIRE HYDRAIN'S. VALVES, AND ALL REQUIRED ACCESSORIES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OF

30. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY.

MAINTENACE OF TRAFFIC IN THE PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH M.U.T.C.D. AND APPROVED BY CITY OF COCONUT CREEK AND BROWARD COUNTY WHERE APPLICABLE PRIOR TO IMPLEMENTATION.

32, ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSL SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC,

33, NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE THE BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM CITY OF COCONUT CREEK,

34. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR FOR ANY NECESSARY CONSTRUCTION, PAVEMENT MAYCONG AND SIGNAGE OR ANY PEDESTRIAN SIGNALIZATION ANDOR SIGNAL MODIFICATION TO ACCOMODATE AN ALTERNATE SAFE WALK ROUTE, ALL RESTORED TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE GOVERNING ACENCY STRAFFIC

SANITARY SEWER NOTES:

1. DISTANCE AND LENGTHS SHOWN ON PLANS REFERENCE THE CENTER OF STRUCTURES.

MATERIALS:

1. ALL PVC SEWER PIPE AND FITTINGS SHALL B
NONLEDERS SHEEP OF SYMMY CHILDRIDE IPVC NON-PRESSURE POLYVINYL CHLORIDE (PVC PIPE CONFORMING TO ASTM D 3034, SDR 26 WITH PUSH-ON RUBBER GASKET JOINTS (24* SHALL BE DR-25)

(A" SPIALL BE DR-25)

2. DUCTILE RION PIPE (DIP) SHALL BE
CEMENT OR POLYLINED INSIDE AND SHALL
HAVE A COAL TAR PEOVY CONTING.
MANUFACTURED IN ACCORDANCE WITH ANSIW
MINIMUM WALL THICKNESS CLASS 52 (4"-12")
8. CLASS 51 (14"-20") (UNLESS OTHERWISE
SPECIFIED)

3. ALL FITTINGS AND ACCESSORIES SHALL BE AS MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR APPROVED EQUAL

C. INSTALLATION: 1. PIPE AND FITTINGS:

a SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE
WITH ASTM D2321, AND THE UNI-BELL PLASTICS
PIPE ASSOCIATION'S "RECOMMENDED PRACTICE FOR
THE INSTALLATION OF PVC SEWER PIPE"

b. D.I.P. SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600-93 OR LATEST REVISION.

c, BEDDING AND INTILL BACKFILL (2) RICHES) OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1 IN DIAMETER, PEA ROCK ON SIGNATURE OF THE SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1 IN DIAMETER, PEA ROCK OF SIGNATURE OF THE SERVICE OF TH

B. MINIMUM SLOPE OF ALL SERVICE LINES SHALL BE AS INDICATED IN THE FLORIDA BUILDING CODE.

b. SERVICE LATERALS SHALL TERMINATE AT A DEPTH 30* BELOW FINISHED GRADE OR AS INDICATED ON PLUMBING PLAN.

c. EACH SERVICE CONNECTION SHALL BE PLUGGED WATER-TIGHT WITH AN APPROVED PLUG.

CONTRACTOR SHALL ROUGH IN RISER TO 1 FOOT ABOVE FINISHED GRADE AND PLUG, AT PROJECT COMPLETION, CUT BACK TO FINISHED GRADE,

CONNECTION OF SERVICES TO BUILDING'S
 PLUMBING SHALL BE COORDINATED WITH THE CITY'S
 BUILDING AND ZONING DEPARTMENT, PLUMBING SECTION.

AFTER CONSTRUCTION OF THE SEWER SYSTEM, THE ENGINEER MAY REQUIRE A VISUAL INFILTRATION AND/OR EXFILTRATION TEST TO BE PERFORMED ON THE ENTIRE SYSTEM OR ANY PART THEREOF.

2 AN AIR TEST MAY BE SUBSTITUTED FOR THE WATER EXFILTRATION TEST, UPON APPROVAL OF THE ENGINEER 3 MANHOLE LEAKAGE TEST SHALL NOT EXCEED FOUR GALLONS PER DAY PER UNIT, NO VISIBILE LEAKAGE

4. SEWER PIPE LEAKAGE ALLOWABLE SHALL NOT EXCEED 150 GALLONS PER DAY PER INCH DIAMETER PER MILE IN ATWO HOUR TEST PERIOD FOR ANY SECTION TESTED, NO VISIBLE LEAKAGE SHALL BE ALLOWED AND ALL LINES SHALL BE T.V, INSPECTED.

5. SANITARY SEWER SHALL BE TELEVISED AND LAMPED AT DEVELOPER'S EXPENSE, PRIOR TO FINAL ACCEPTANCE, OWNER LOATRACTOR IS RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PRIOR TO CERTIFICATION TO ANY ACEDICA.

6. VISIBLE INFILTRATION LEAKAGE INTO MANHOLES AND SEWER PIPE SHALL NOT BE

WATER DISTRIBUTION AND/OR SANITARY SEWER FORCE MAIN SYSTEM

A GENERAL:

, NO CONNECTIONS TO THE EXISTING LIVES SHALL BE MADE. UNTIL PRESSURE TESTS, FOR THE WATER AND SEWER FORCE MAINS, AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED AND THE SYSTEM IS ACCEPTABLE TO THE CITY OF COCONUT CREEK UTILITIES DEPARTMENT AND THE BROWARD COUNTY PUBLIC HEALTH UNIT.

2, BEDDING AND INITIAL BACKFILL FOR MAINS SHALL BE SAND WITH NO ROCKS LARGER THAN 1" IN DIAMETER

3, USE "DETECTO" TAPE ON ALL PVC MAINS (18" ABOVE), AND USE "NON-DETECTO" TAPE ON ALL D.I.P. MAINS (18" ABOVE).

4, A THREE (3) FOOT HORIZONTAL SEPARATION IS REQUIRED BETWEEN WATER MAINS AND OBSTRUCTIONS (I.E. CATCH BASINS, POWER POLES, ETC.). FIVE (5) FOOT OF SEPARATION IS REQUIRED BETWEEN WATER MAINS AND TREES.

B. MATERIALS:

1. DUCTILE IRON PIPE (DIP) SHALL BE CLASS 52 UP TO 12" SIZE & CLASS SI FOR 14" AND LARGER WITH INTERIOR CEMENT LINING AND BITUMHOUS COATED OUTSIDE, WATER MAIN & EPDYX LINED SI COATED OF SICE, WATER MAIN & EPDYX LINED SI COATED OF SICE MAIN MANUFACTURED IN ACCORDANCE WITH ANSWAYMA CISIALD, SI-19 OF LATEST REVISION, THE FIRE SICE AND SINING SIMPLE SIZE OF SIZE OF

2, ALL PVC MAINS SHALL BE SERIES 1120, CLASS 150 (DR 18) PRESSURE PIPE CONFORMING TO ANSI/AWWA C900-89 OR LATEST REVISION, AND SHALL HAVE PUSH-ON JOINTS, AND IRON PIPE O.D. (PVC ON-SITE ONLY)

3, FITTINGS FOR MAINS 4" AND LARGER SHALL BE DUCTILE IRON MECHANICAL JOINT CONFORMING TO ANSWAWA C110/02/110-93 OR LATEST REVISION, COMPLETE ITH GLANDS, CASKETS, BOLTS CAN HUMBER OF THE SAME MATERIALS AS THE PIPE A USE CONFORMED THE SAME MATERIALS AS THE PIPE A USE MEGALUG SERIES 1100 RESTRAINED JOINT ADAPTERS,

4. VALVES SHALL BE GATE VALVES, IRON BODY, FULLY RESILIENT SEAT BRONZED MOUNTED NON-RISING STEM, RATED AT 200 PSI AND CONFORMING TO ANSI/AWWA C509-87 OR LATEST REVISION, AND SHALL HAVE MECHANICAL JOINTS. a. GATE VALVES 4" AND LARGER SHALL BE MUELLER A-2360-20

RESILIENT SEATED GATE VALVES SHALL BE AMERICAN 500/2: LINE OR CLOW F-8100, CONFORMING TO ANSI/AWWA C509-87 b, TAPPING VALVES SHALL BE MUELLER H667 OR APPROVED EQUAL.

c, GATE VALVES 3" OR LESS SHALL BE NIBCO T-133 OR T-136 WITH MALLEABLE HAND WHEELS, NO SUBSTITUTIONS ALLOWED.

5. TAPPING SLEEVES SHALL BE MUELLER H615 OR APPROVED EQUAL PER CITY OF COCONUT CREEK.

6 VALVE BOXES SHALL BE TYLER/UNION 461-S OR APPROVED EQUAL PER CITY OF COCONUT CREEK

7. RETAINER GLANDS SHALL CONFORM TO ANSUMWWA
C111/AZ1-11-90 OR LATEST REVISION ALL GLANDS SHALL SE
LAGDRATORIES FOR 20 9 BUNINIMON WAS THE PRESSURE SHAPE
LAGDRATORIES FOR 20 9 BUNINIMON WAS TREP REPESSURE SHAPE
ROTECTION MODEL F-1058 OR STANDARD FIRE RATING,
CLOW CORPOPATION MODEL F-1058 OR STANDARD FIRE RATING,
PROTECTION EQUIPMENT COMPANY OR APPROVED EDUAL.

8. DRESSER COUPLINGS SHALL BE REGULAR BLACK COUPLINGS WITH PLAIN GASKETS FOR GALVANIZED STEEL PIPE, THEY SHALL BE DRESSER STYLE 90, NO SUBSTITUTIONS ALLOWED,

9, FIRE HYDRANTS SHALL HAVE A 5 1/4 " MAIN VALVE OPENING, PUMPER NOZZLE TO BE 16" FROM FINISH GRADE, ALL HYDRANTS TO BE INSTALLED WITH ANCHORING TEE AND CONTROL VALVE, FIRE HYDRANT SHALL COMPLY WITH ANSWAWA CSZCSEG (OR LATEST REVISION), HYDRANTS SHALL BE KENNEDY GUARDIAN K41-40 RAPPROVED EQUAL, BLUE RET-LECTIVE PAYMENT MARKER REQUIRED IN CENTER OF NEAREST DRIVING LANE FOR FIRE HYDRANTS.

C. SERVICE CONNECTION:

1. CORPORATION STOPS SHALL BE MANUFACTURED OF BRASS ALLOY IN ACCORDANCE WITH ASTM B-62 WITH THREADED ENDS, AS MANUFACTURED BY MUELLER OR APPROVED EQUAL.

2, CURB STOPS SHALL BE MUELLER OR APPROVED EQUAL.

 METER STOPS SHALL BE 90* LOCK WING TYPE AND SHALL BE OF BRONZE CONSTRUCTION IN ACCORDANCE WITH ASTM B-62. METER BRONZE CONSTRUCTION IN ACCORDANCE WITH ASTM B-82. METER STOPS SHALL BE CLOSED BOTTOM DESIGN IN AND RESILIENT TO RING SEALED AGAINST EXTERNAL LEAKAGE AT THE TOP, STOPS SHALL BE EQUIPPED WITH A METER COUPLING NUT ON THE COUTLET SIDES, AS MANUFACTURED BY MUELLER OR APPROVED EQUAL.

4. SERVICE PIPING SHALL BE TYPE 'K' DRAWN COPPER.

D. INSTALLATION;

CONNECTION OF ALL NEW SYSTEMS TO EXISTING MAINS SHALL BE DONE BY USING ONE OF THE FOLLOWING METHODS:

METHOD A PER BROWARD COUNTY PUBLIC HEALTH UNIT STANDARDS, WHICH INVOLVES A REDUCED SIZE TEMPORARY CONNECTION BETWEEN THE EXISTING MAIN AND THE NEW ONE

b) METHOD B PER BROWARD COUNTY PUBLIC HEALTH UNIT STANDARDS, WHICH INVOLVES A DIRECT CONNECTION BETWEEN THE NEW AND EXISTING MAINS USING TWO GATE VALVES SEPARATED BY A SLEEVE WITH A VENT PIPE.

C. METHOD C APPROVED BY THE BROWARD COUNTY PUBLIC HEALTH UNIT, WHICH INVOLVES A TAP WITH ONE GATE VALVE REQUIRING DISINFECTION OF THE NEW SYSTEM PRIOR TO CONDUCTING THE PRESSURE TEST.

2 BEDDING:

AII PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 1' IN DIAMETER, PEA ROCK ORS' 1' WASHED ROCK WILL BE USED IN WATER OR WHERE UNSUITABLE BEDDING EXISTS AT THE DISCRETION OF THE CITY OF COCONUT CREEK, ALL OTHER FILL SHALL NOT HAVE ROCK LARGER THAN 6' IN DIAMETER.

3. PVC PIPE:

a, PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNI-BE PLASTIC PIPE ASSOCIATION'S GUIDE FOR INSTALLATION OF PVC PRESSURE PIPE FOR MUNICIPAL WATER DISTRIBUTION SYSTEMS.

b. PVC PIPE SHALL BE INSTALLED WITH A MINIMUM OF 36' COVER

c, DETECTOR TAPE SHALL BE INSTALLED THE FULL LENGTH OF ALL PVC MAINS APPROXIMATELY 18* ABOVE THE PIPE, COLOR SIDE UP,

4. DUCTILE PIPE: a D.LP. SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600-99 OR LATEST REVISION.

b. D.I.P. SHALL BE INSTALLED WITH A MINIMUM OF 30° COVER.

c "NON-DETECTOR" TAPE SHALL BE INSTALLED THE FULL LENGTH OF ALL D.I.P. MAINS APPROXIMATELY 18" ABOVE THE MAIN COLOR SIDE UP

5 VALVES: a, ALL VALVES SHALL BE INSTALLED WITH ADJUSTABLE CAST IRON VALVE BOXES WITH THE WORD "WATER" OR "SEWER" CAST IN THE COVER, A BRASS DISK INDICATING, SIZE, TYPE, KIND & OPERATOR INSTRUCTIONS SHALL BE INSTALLED ADJACENT TO VALVE BOX.

b. MAIN VALVES SHALL BE LOCATED ON AN EXTENSION OF THE RIGHT-OF-WAY LINE UNLESS DIMENSIONED OTHERWISE.

RIGHT-OF-WAY LINE UNLESS DIMENSIONED OTHERWISE,

(MIN) VALUES SHALL BE INSTALLED AWAY, FROM PARKING AREAS,

IF THIS IS LINAVIONABLE, PROPER MEASURES SHALL BE TAKENTO
AVIOLITY PARKING OF VEHICLES OVER THE VALVES, PYOPANT
VALVES SHALL BE INSTALLED AS CLOSE TO THE MAIN AS
POSSIBLE, VALVES LOCATED IN NON-PAVED AREAS OR IN
PARKING STALLS REQUIRE A REFLECTIVE PAVEMENT MARKER ON
THE CENTER OF THE MARKET LIANG OF ROAD PAVEMENT, WHITE
REFLECTORS FOR THE WATER MAIN VALVES, CHECK REFLECTORS
VALVE ACCULATOR NUTTO FINAL GRADE SHALL BE A MINIMUM OF
12 INCHES AND A MAXIMUM OF 18 INCHES.

6.SERVICE:

B. COVER OVER SERVICE LINES SHALL BE 18" MINIMUM, 36" MAXIMUM BELOW FINISHED GRADE AND 36" UNDER PAVEMENT.

b. SERVICES UP TO 2" SHALL BE TYPE "K" COPPER PER CITY OF COCONUT CREEK

c. METER STOPS SHALL HAVE 8" TO 10" COVER AS REQUIRED FOR PROPER METER/BOX INSTALLATION,

d. WATER SERVICES UNDER PAVEMENT SHALL BE ENCASED IN A SCHEDULE 80 PVC SLEEVE FOR THE FULL LENGTH OF THE PAVEMENT AND FOR 2' BEYOND THE EDGE. SLEEVE DIAMETER SHALL BE TWICE THE DIAMETER OF THE SERVICE PIPE.

e. THE END OF EACH SERVICE CONNECTION SHALL BE MARKED WITH A 2*x4" TREATED STAKE, PAINTED BLUE EXTENDING 18" (MINIMUM) ABOVE GRADE UNLESS INDICATED OTHERWISE.

1. BEFORE ANY PHYSICAL CONNECTIONS TO THE EXISTING WATER MAINS ARE MADE, THE COMPLETE WATER SYSTEM SHALL BE PRESSURE TESTED AND DISN'FECTED HYDROSTATIC TESTING OF NEW MAINS SHALL BE PERFORMED AT A MINIMAN STARTING PRESSURE OF 18 PS IF OR TWO HOURS IN ACCORDANCE WITH ANSI/AWWA C600-99 OR LATEST REVISION, THE PRESSURE SHALL NOT VARY MORE THAN ±5 P.S.L. DURING THE TEST.

2 THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE CITY OF COCONUT CREEK AND THE ENGINEER OF RECORD.

3, BEFORE ACCEPTANCE FOR OPERATION, THE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE ANSIWAWY. C551-92; 180 FSI MINIMUM STARTING TEST PRESSURE, WITH BACTERIOLOGICAL SAMPLES APPROVED BY THE BROWARD COUNTY PUBLIC HEALTH DEPARTMENT.

SOURTH FUDILIS HEALTH DEPART IMENT.

SAMPLING POINTS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS, IF NOT SPECIFIED, SAMPLING POINTS SHALL BE PROVIDED AT INTERVALS OF 1500 MAXIMUM FOR LINES GREATER THAN 1500 IN LENGTH PROVIDE A MINIMUM OF TWO SAMPLING POINTS FOR ALL OTHER TEST SEGMENTS, SAMPLE PIONTS MUST BE APPROVED BY BROWARD COUNTY FUBLIC HEALTH DEPARTMENT, 5. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:

 $L = \frac{SDP^{0.5}}{133200}$ N WHICHE , EQUALS THE ALLOWABLE LEAKAGE IN GALLONS PER HOUR. S EQUALS LENGTH OF PIPE (LINEAR FEET). D EQUALS NOMINAL DIAMETER OF PIPE (INCHES) AND P EQUALS THE MINIMUM TEST PRESSURE (POUNDS PER SQUARE INCH).

SEPARATION OF WATER AND SEWER MAINS

A SANITARY SEWERS, STORM SEWERS, AND FORCE MAINS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBL SANITARY SEWERS, STORM SEWERS, AND FORCE MAINS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVEST OF THE UPPER IPPE AND THE CROWN OF THE LOWER PIPE WIENEVER POSSIBLE. WHERE SANTARY SEWERS, STORM SEWERS, OR FORCE MAINS MUST CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE

(DIP) AT THE CROSSING, SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS, ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 5 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.

ALL CROSSING SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING),

WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 18 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP, AND THE CROSSING SHALL BE ARRANGED TO MEET THE REQUIREMENTS

B. A MINIMUM 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.

IN PAPALLEL INSTITUTION THRENEVER PUSSIBLE TO MAINTAIN A 10 FOOT MORECONTAL SEPARATION, THE WAITER MAIN MUST BE LAID IN A LOCATED ON ONe SIDE OF THE SEWER OR FORCE MAIN AT SUCANE DO NONE SIDE OF THE SEWER OR FORCE MAIN AT SUCANE BUT ON THAT THE BOTTOM OF THE WATER IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.

18 INCHES ABUVE I HE LOF OF THE SEVER.
WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN PARALLEL INSTALLATIONS. THE WATER MAIN SHALL BE CONSTRUCTED OF DIE AND THE SANTIARY SEWER OR MINIMUM VERTICAL DISTANCE OF 8 INCHES, THE WATER MAIN SHOULD ALL WAYS BE ABOVE THE SEWER, JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER ALL OFFICE MAIN SHALL BE LOCATED AS FAR PART AS POSSIBLE FROM JOINTS ON THE SEWER AND FORCE MAIN (STAGGERED JOINTS).

C. ALL DIP SHALL BE CLASS 50 OR HIGHER, ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE ENGINEER.

STORM DRAINAGE:

MATERIALS:

2 ALL YARD DRAIN BASINS ARE TO BE HIGH DENSITY POLYETHYLENE
PRODUCT AND SHALL MEET ASTM LATEST MINIMUM STANDARDS.

PRODUCT AND STALL MEET AS IM LATEST MINIMUM STANDARDS.

A LL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST
CONCRETE AND SHALL MEET THE REQUIREMENTS OF A.S.T.M.
SPECIFICATION CATA AND STULMESS OTTERWISE NOT FOR THE
PROPERTY OF THE STANDARD STANDARD

C. INSTALLATION

1, PIPE SHALL BE PLACEO ON A MINIMUM OF 8" STABLE GRANULAR MATERIAL FREE OF ROCK FORMATION AND OTHER FOREIGN FORMATIONS, AND CONSTRUCTED TO A UNIFORM GRADE AND LINE.

2. BACKFILL MATERIAL SHALL BE WELL GRADED GRANULAR MATERIAL, WELL TAMPED IN LAYERS NOT TO EXCEED 6 INCHES TO A HEIGHT OF 12 INCHES ABOVE PIPE AS SHOWN ON THE PLANS

3. PROVIDE A MINIMUM PROTECTIVE COVER OF 18 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION. 4. THE CONTRACTOR SHALL NOTIFY CITY OF COCONUT CREEK ENGINEERING DEPARTMENT / BOT AND THE ENGINEER OF RECORD AT LEAST / DAYS PRIOR TO THE START OF THE CONSTRUCTION AND INSPECTION.

PAVING:

1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIMEROCK BASE.

2. ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE

1. LIMEROCK BASE: (ASPHALT, VEHICULAR PAVERS AREAS LIME FOOK BASE COURSE MATERIAL FOR PAVED AREAS SHALL BE A MINIMUM 6" THICKNESS AND COMPACTED TO 95% MAXIMUM MOT PERSON FOR THE TO 180 (LBR 100). OTHER SUBSTITUTES SHALL BE PER FOOT SPECIFICATIONS AND PROVIDE EQUIVALENT STRUCTURAL NUMBER AS ABOVE (MIN LBR 100).

2. WEARING SURFACE (ASPHALT SURFACE ONLY)
INSTALLATION OF THE 13th ASPHALITIC CONCRETE SURFACE
COURSE SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA
DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR
TYPE S-III ASPHALTIC CONCRETE, AND SHALL BE CONSTRUCTED WITH 2 LFTS OF 計S-III ASPHALTIC CONCRETE WITH TACK COAT BETWEEN LIFTS, (VIRGIN ASPHALT TO BE USED FOR FINAL LIFT.)

C INSTALLATION:

1. SUB-BASE 12* STABILIZED SUB-BASE COMPACTED TO 98% OF MAX, DRY DENSITY PER AASHTO T-180 (MIN LBR 40).

2, BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

INSTALLATION OF THE WEARING SURFACE SHALL CONFORM WITH THE REQUIREMENTS OF THE D.O.T., STANDARD SPECIFICATIONS FOR TYPE S-1 & S-III ASPHALTIC CONCRETE OR THE LATEST REVISION.

 DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDEN' TESTING LABORATORY CERTIFIED BY THE STATE OF FLORIDA. WHERE DIRECTED BY THE ENGINEER. 3. ALL TESTING COSTS (PAVING) SHALL BE PAID FOR BY THE CONTRACTOR.

DENSITY TESTS AND "AS-BUILTS" ON THE FINISHED BASE SHALL BE SUPPLIED TO CITY OF COCONUT CREEK, AND APPROVED BEFORE ANY ASPHAI T PAYEMENT IS CONSTRUCTED.

PAVEMENT MARKING & SIGNAGE:

ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE
WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION; AND CITY OF COCONUT CREEK ENGINEERING STANDARDS.

POLLUTION PREVENTION:

1. THE CONTRACTOR SHALL CONTINUOUSLY ENSURE THAT THE PERIMETER OF THE SITE, INCLUDING CONSTRUCTION ENTRANCES, IS SECURED FROM ALLOWING DEBRIS TO LEAVE THE SITE OUE TO CONSTRUCTION CONTIY OR RAINFALL EVENTS, A WEEKLY LOG SHALL BE UPDATED AND KEPT ON-SITE IN ACCORDANCE WITH THE NPDES PERMIT. BY BIDDING DOCUMENTS CONTRACTOR ACKNOWLEDGES HESHE IS AWARE OF DOCUMENTS OF TRACTOR ACKNOWNEDGES RESIDENT SATURAL PROCESSION FOR THE STATE OF THE SATURATION OF THE SATURAL PRACTICES AND ASSUMES SOLE RESPONSIBILITY FOR FINES IMP GOVERMENTAL AGENCIES DUE TO VIOLATIONS.

PROJECT RECORD DOCUMENTS:

A DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.

UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND BASE CONSTRUCTION (AND BEFORE PLACING ASPHAL T PAYEMENT) THE CONTRACTOR SHALL FUNKED HE BE ADDRESS OF SHALL FUNKED FLOWN OF SHALL FUNKED HE BE ADDRESS OF THE SHOWNON THE LOCATIONS AND APPLICABLE GRADES OF ALL GURANAGE INSTALLATIONS AND THE FIRST-BEFORE OF THE ROAD CROWN OR INVERT AND EDGES OF PAYEMENT AT 90 FOOT INTERVALS, INCLUDING LOCATIONS AND ELEVATIONS OF ALL HIGH AND LOW POINTS.

UPON COMPLETION OF CONSTRUCTION, AND PRIOR TO FINAL PAYMENT. THE CONTRACTOR SHALL SUBMITTO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONTRACT TRANMISS, THESE DRAWINGS SHALL BE MARKED TO SHOW AS-BUILT" CONSTRUCTION OF ALL MARKED TO SHOW AS BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS BUILT CONSTRUCTION OF ALL MARKED TO SHOW AND ELVEN TO SHOW AS A BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS A BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS A BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS A BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS A BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS A BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS A BUILT CONSTRUCTION OF ALL MARKED TO SHOW AS A BUILT CONSTRUCTION OF A BUILD CONTRACTOR OF A BUILD CONTRACTOR

E. "AG-BUILT INFORMATION OF WATER DISTRIBUTION SYSTEMS MUST CONTAIN LOCATIONS OF ALL VALVES. FITTINGS, FIRE HYDRANTS, SERVICES AND APPURTERNANCES. TOP OF PIPE ELEVATIONS ALONG THE WATER MAIN ARE REQUIRED AT INTERVALS OF 100 FEET (MAXIMUM).

F. ALL "AS-BUILT" INFORMATION ON ELEVATIONS SHALL BE CERTIFIED
BY A FLORIDA PROFESSIONAL SURVEYOR & MAPPER

1, TOP OF PIPE ELEVATIONS EVERY 100 LF.

LOCATIONS AND ELEVATIONS OF ALL FITTINGS INCLUDING BENDS, TEES, GATE VALVES, DOUBLE DETECTOR CHECK VALVES, FIRE HYDRANTS, ETC.

"AS-BUILTS" OF ALL GRAVITY SANITARY SEWER LINES SHALL INCLUDE THE FOLLOWING INFORMATION:

1. RIMS, INVERTS AND LENGTH OF PIPING BETWEEN STRUCTURES AS WELL AS SLOPES.

FORCE MAIN "AS-BUILTS" SHALL BE PREPARED THE SAME AS THE WATER LINE "AS-BUILTS".

J. "AS-BUILTS" OF ALL DRAINAGE LINES SHALL INCLUDE THE FOLLOWING INFORMATION:

DRAINAGE WELL STRUCTURE "AS-BUILTS" SHALL INCLUDE BUT NOT BE LIMITED TO, TOP OF CASING FLEVATION, TOP AND BOTTOM ELEVATIONS OF THE BAFFLE WALLS. RIM ELEVATIONS AND INVERTS OF PIPING.

1, ROCK ELEVATIONS AT ALL HIGH AND LOW POINTS, AND AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY

4. ELEVATIONS AROUND ISLAND AREAS WILL ALSO BE

6. "AS-BULTS SHALL BE TAKEN ON ALL PAVED AND UNPAVED SWALES, PRIOR TO PLACEMENT OF ASPHALT OR TOPSOLUSOD, AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY AND CONFORMANCE TO THE PLAN DETAILS.

UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS, "AS-BUILTS", ON FULL SIZE, 24" x 36" REPRODUCIBLE WATERIAL. WHERE WATER AND SEWER INFORMATION ARE ON THE SAME PAGE THE WATER LINE SHALL BE "AS-BUILT" BY STATION AND OFFSET LINE SHALL BE "AS-BUILT" BY STATION AND OFFSET UTILIZING THE SANTEXTY SERVER SYSTEM AS THE BASE LINE IF IT IS NOT PRACTICAL. TO UTILIZE THE SEWIER SYSTEM AS A BASE LINE THE THE SURVEYOR SHALL CONTACT THE ENGINEER OF RECORD THAT THE SURVEYOR SHALL SERVER SHALL SHAL PROJECT CLOSEOUT A RA

ΙZ M_z

M^oz

راي إلى

CONVENT 2-17-2011

> F100016 AAM JMG PROJECT No.: DRAWN BY: CHECKED BY: AS NOTED F100016-NOTES

ROJECT: MERCEDES RENZA

OF COCONUT CREEK HODGEN

CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS BROWARD COUNTY, FLORIDA



RADICE III

VIOL CORPORATE DRIVE. SUITE 250
OFF LAUDERONLE, FL 23334
Ale. (ISS) 203-7000
Sy(94) 203-7000
Web Districtive length open

PROJECT CLOSEONS

A CLEANING UP:

1. DURING CONSTRUCTION, THE PROJECT OF AND ALCENAMO OF A CLEANING UP:

1. DURING CONSTRUCTION, THE PROJECT OF AND ALCENAMO OF A CLEANING UP:

1. DURING CONSTRUCTION, THE PROJECT OF AND ALCENAMO OF A CLEANING UP:

2. THE CONTRACTOR SHALL BE UP! TO BEAR OF ALL SURPLUS MATERIAL OF TAXABLE OF ANY PUBLIC OF PRIVATE PROPERTY ORANGE OF THE WORK OF A CHORNING OF OFFER ANY PUBLIC OF PRIVATE PROPERTY ORANGE OF HIS WORK EQUIPMENT, OR EMPCOYER, TO A CONTRICT OF A TEXT FOUND. TO BE SHALL BE SHEET OF A CHORNING OF OFFER AND AND A CHORNING OF OFFER AND ANY PUBLIC OF PRIVATE PROPERTY ORANGE OF THE CONTRACTOR SHALL DE ANY EQUIPMENT, OR EMPCOYERS, TO A CONTRICT ON THE CONTRACTOR SHALL DE ANY EQUIPMENT, OR EMPCOYERS, TO A CONTRICT ON THE CONTRACTOR SHALL DE ANY EQUIPMENT, OR EMPCOYERS, AND A CRESSIAN HIGHWAY, DIRW YAW AND AND A CRESSIAN HIGHWAY, DIRW YAW AND AND A RESULT OF THE CONTRACTOR SHALL DE ANY EXPLORATION OF A CRESSIAN HIGHWAY, DIRW YAW AND A CRESSIAN HIGHWAY, DIRW YAW AND A CRESSIAN HIGHWAY, DIRW YAW AND A CRESSIAN HIGHWAY AND A CRESSIAN HIGHWAY OF A CRESSIAN C. ALL PAVED & UNPAVED SURFACES DISTURBED OR DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE RES TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.

GENERAL: 1. CATCH BASIN GRATES AND RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES. 2 DISTANCES AND LENGTHS SHOWN ON PLANS REFERENCE THE CENTER OF STRUCTURES.

1, ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M - 294 LATEST REVISIONS, ALL PIPING TO BE NON-PERFORATED TUBING.

D. "AS-BUILT" INFORMATION OF GRAVITY SEWERS MUST CONTAIN LOCATION OF SERVICE LATERALS. STATIONING OF BOTH THE WYE, CLEAN-DUTS, AND THE SERVICE END MUST ALSO BE INCLUDED.

G. "AS-BUILTS" OF WATER LINES SHALL INCLUDE THE FOLLOWING

3. ALL TIE INS TO EXISTING LINES SHALL BE "AS-BUILT". 4. THE ENDS OF ALL WATER SERVICES AT THE BUILDINGS OR HOMES SHALL BE "AS-BUILT" OR WHERE THE WATER SERVICE TERMINATES.

2. THE STUB ENDS OF ALL SEWER LATERALS SHALL BE LOCATED, AND IF THERE ARE ANY CLEANOUTS INSTALLED ON THE SEWER LATERALS. THEN THE INVERT ELEVATION OF THESE CLEANOUTS NEED TO BE OBTAINED. 3. LIFT STATION "AS-BUILTS" SHALL CONSIST OF: A TOP OF WET WELL ELEVATION B. INVERT ELEVATION OF THE INCOMING LINE C. BOTTOM OF THE WET WELL C. "AS-BUILTS" OF THE COMPOUND AREA.

1, RIMS, INVERTS AND LENGTH OF PIPING BETWEEN
STRUCTURES AND WEIR ELEVATIONS IF APPLICABLE 2. THE SIZE OF THE PIPING SHALL BE VERIFIED BY THE SURVEY CREW AT THE TIME OF "AS-BUILT".

ALL ROCK "AS-BUILTS" FOR PARKING LOT AREAS SHALL CONSIST OF THE FOLLOWING:

ROCK "AS-BUILTS" SHALL BE TAKEN AT ALL LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS.

3, ALL CATCH BASIN AND MANHOLE RIM ELEVATIONS SHALL BE SHOWN.

SHERE CONCRETE IS TO BE USED AS A FINISHED PRODUCT FOR THE ROZAWAY OR PARISHED LOT ROCK "AS-BULTES" WILL BE REQUIRED AS MORE THE ASTACLAR TO THE ROZAWAY OR PARISHED THE ASTACLAR THE ASTACLAR TO THE DESIGN PLANS. WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS.

NOELA. BARNETT PROFESSIONAL ENGI February 17, 7011 FLORIDA CENTE No. 72008 FLORIDA BUSINGS SCHOOL AUTHUM. 27520

GENERAL NOTES

C-2