#### GENERAL CONTRACT CONDITIONS

INCORPORATED AS A PART OF THE GENERAL SPECIFICATIONS AND REQUIREMENTS FOR THIS PROJECT ARE THE RELEVANT CRITERIA INCLUDED IN THE LATEST REVISION OF THE FOLLOWING ITEMS:

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. LATEST EDITION

FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, LATEST EDITION.

PALM BEACH COUNTY UNIFIED LAND DEVELOPMENT CODE

PALM BEACH COUNTY WATER UTILITIES DEPT. MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ALL CONDITIONS AND/OR REQUIREMENTS RELATED TO THE CONSTRUCTION ACTIVITIES AS SET IN THE SITE DEVELOPMENT PERMITS

THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THESE ITEMS. ANY COSTS ASSOCIATED WITH COMPLIANCE IS INCLUDED IN THE UNIT PRICES.

- AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR SHALL PROVIDE ACCESS AND ALLOW FOR COORDINATION SERVICES TO ACCOMMODATE UTILITIES, CONDUIT AND/OR SLEEVE CONSTRUCTION BY OTHERS. ANY UTILITIES, CONDUITS AND/OR SLEEVES INSTALLED BY OTHERS AND DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- IF REQUIRED BY OWNER OR GOVERNMENTAL AGENCY HAVING JURISDICTION OVER AFFECTED ROADWAYS THE CONTRACTOR WILL PROVIDE, AS PART OF HIS BASE BID FOR PAVEMENT SYSTEMS, A MAINTENANCE OF TRAFFIC PLAN. ALSO INCLUDED WILL BE THE LABOR, EQUIPMENT AND MATERIALS REQUIRED TO IMPLEMENT THAT PLAN. ALL WORK MUST BE DONE IN ACCORDANCE WITH AGENCY REQUIREMENTS AND
- ANY REQUIRED PERMITS OR APPROVALS MUST BE APPLIED FOR AND OBTAINED BY THE CONTRACTOR. TESTING OF CONSTRUCTION MATERIALS AND/OR CONSTRUCTED FACILITIES WILL BE REQUIRED AS OUTLINED IN THE GOVERNING SPECIFICATIONS AS NECESSARY TO MEET THE REQUIREMENTS OF THE
- PERMITTING/APPROVING AGENCIES. ALL TESTING IS TO BE DONE BY A FLORIDA LICENSED TESTING LABORATORY AND THE COST OF THESE TESTS IS INCLUDED IN THE CONTRACTOR'S UNIT PRICES FIELD REVIEWS OF CONSTRUCTED FACILITIES WILL BE REQUIRED DURING THE CONSTRUCTION PROCES
- THE CONTRACTOR IS TO NOTIFY THE ENGINEER A MINIMUM OF 24 HOURS PRIOR TO THE REQUESTED TIME FOR REVIEW OF THE COMPLETED ITEMS. CONTRACTOR TO PROVIDE ALL LABOR. EQUIPMENT AND MATERIALS NEEDED TO ACCOMMODATE THE FIELD REVIEW. THESE REVIEWS INCLUDE BUT ARE NOT LIMITED TO:
- PIPE AND STRUCTURE REVIEW
- PRESSURE AND LEAKAGE TESTING OF WATER AND FORCE MAINS SUB-GRADE REVIEW
- CURB REVIEWS

BASE REVIEWS LAMPING AND TELESPECTION OF SANITARY SEWER SYSTEM

PUMP DOWN AND LAMPING OF STORM DRAINAGE SYSTEM SEMI-FINAL AND FINAL REVIEWS

FACILITIES MUST BE COMPLETED PRIOR TO SCHEDULING FIELD REVIEW. IF A FIELD REVIEW FAILS TO MEET THE AGENCY REQUIREMENTS AND AN ADDITIONAL REVIEW IS REQUIRED, THE CONTRACTOR WILL BE RESPONSIBLE TO PAY ANY FEES ASSOCIATED WITH THE ADDITIONAL REVIEW.

- NO SEPARATE PAYMENT SHALL BE PROVIDED TO THE CONTRACTOR FOR EARTHWORK ASSOCIATED WITH THIS CONTRACT. ALL COSTS ASSOCIATED WITH SITE PREPARATION NECESSARY TO EXECUTE THE WOR SET FORTH IN THE CONTRACT SHALL BE INCLUDED IN THE ITEMS PROVIDED FOR IN THE UNIT PRICE BID SCHEDULE. ANY EXCESS MATERIAL REMAINING UPON COMPLETION OF CONSTRUCTION SHALL BI REMOVED TO AN ACCEPTABLE LOCATION AT THE EXPENSE OF THE CONTRACTOR. AT THE OWNER'S OPTION HE MAY IDENTIFY A LOCATION FOR THIS MATERIAL TO BE STOCK PILED OR INSTRUCT THE CONTRACTOR TO REMOVE THE EXCESS TO A LEGAL DISPOSAL SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL GRADING OF THE SITE TO WITHIN 0.2 ± FOOT OF ALL THE PROPOSED FINISHED GRADE ELEVATIONS THROUGHOUT THE PROJECT SITE AS DEPICTED ON THE PLANS PREPARED BY THE ENGINEER. ELEVATIONS OF CONSTRUCTED FACILITIES, IE ROADWAYS, DRAINAGE, ETC. ARE TO BE AS INDICATED ON THE PLANS.
- EXISTING UTILITIES, ROADWAY AND DRAINAGE FACILITIES ARE LOCATED AND IDENTIFIED BASED ON THE AVAILABLE INFORMATION. THE CONTRACTOR IS TO VERIFY THIS INFORMATION WHERE NECESSARY FOR PROPOSED CONSTRUCTION. ALL COSTS ASSOCIATED WITH VERIFICATION, PROTECTION OF EXISTING SYSTEMS OR CONNECTION TO THOSE ITEMS AS CALLED FOR ON THE PLANS IS INCLUDED IN THE UNIT PRICES
- UNLESS OTHERWISE AGREED TO PRIOR TO CONSTRUCTION THE UNIT QUANTITIES ESTABLISHED BY THE PLANS WILL BE THE CONTRACT BASIS. UNIT PRICES SHALL INCLUDE THE PROVIDING OF ALL COSTS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE SPECIFIED UNIT OF WORK INCLUDING BUT NOT LIMITED TO: COST OF MATERIALS AND DELIVERY: COST OF INSTALLATION: LABOR. INCLUDING SOCIAL SECURITY, INSURANCE, AND OTHER REQUIRED FRINGE BENEFITS, WORKMAN'S COMPENSATION INSURANCE; BOND PREMIUMS; RENTAL OF EQUIPMENT AND MACHINERY; TAXES; TESTING SURVEYS AND OTHER INCIDENTAL EXPENSES; AND SUPERVISION.
- CONTRACTOR SHALL EMPLOY A REGISTERED SURVEYOR TO LAY OUT LINE, GRADES, STRUCTURES, LOT CORNERS, ETC. AS NECESSARY TO CONSTRUCT THE PROPOSED FACILITIES IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. BENCH MARKS SHALL BE ESTABLISHED BY A REGISTERED SURVEYOR. BENCH MARKS SHALL BE PERMANENT AND EASILY ACCESSIBLE AND MAINTAINED AND REPLACED IF DISTURBED OR DESTROYED. HORIZONTAL CONTROL SHALL SIMILARLY BE ESTABLISHED AND MAINTAINED.
- 10. ANY UNSTABLE SOIL AND/OR SOIL CONTAINING ORGANIC MATERIAL ENCOUNTERED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO MUCK, SILT, SLUDGE AND MARL, SHALL BE REMOVED AND SHALL BE REPLACED BY MATERIAL ACCEPTABLE TO THE ENGINEER. NO ADDITIONAL PAYMENT SHALL BE PROVIDED FOR REMOVAL, REPLACEMENT, AND DISPOSAL OF SUCH UNSTABLE SOIL AND/OR ORGANIC CONTENT SOIL. THE REMOVAL, REPLACEMENT AND DISPOSAL OF SUCH UNSTABLE SOIL AND/OR ORGANIC CONTENT SOIL SHALL BE CONSIDERED TO BE PART OF THE CONTRACT PRICE AS PROVIDED IN THE UNIT PRICE BID SCHEDULE. IF ANY ROCK, HARDPAN, ETC. IS ENCOUNTERED DURING CONSTRUCTION OF ANY ITEMS, THE REMOVAL AND BACKFILL REQUIRED SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THAT ITEM AND NO SEPARATE PAYMENT WILL BE MADE.
- 1. THE CONTRACTOR SHALL VISIT THE SITE AND ACQUAINT HIMSELF WITH ALL EXISTING CONDITIONS. MAKE HIS OWN SUBSURFACE INVESTIGATION TO SATISFY HIMSELF AS TO THE SITE AND SUBSURFACE CONDITIONS, BUT SUCH SUBSURFACE INVESTIGATIONS SHALL BE PERFORMED ONLY UNDER TIME SCHEDULES AND ARRANGEMENTS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE AND ENGINEER. THE EXISTING GRADES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND NO REPRESENTATION IS MADE AS TO THEIR ACCURACY OR CONSISTENCY. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES TO THE EXTENT NECESSARY TO INSURE COMPLETION OF THE JOB TO THE PROPOSED GRADES INDICATED ON THE DRAWINGS.
- 12. THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRIERS AND PROTECTION FOR THOSE EXISTING FACILITIES AND VEGETATION (NATURAL AND LANDSCAPING) THAT ARE TO REMAIN IN THE EXISTING CONDITIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH REPAIR OR REPLACEMENT OF THESE ITEMS IF THEY ARE DAMAGED OR DESTROYED BY THE CONTRACTOR (INCLUDING HIS WORKERS, SUBCONTRACTORS, LABORERS, SUPPLIERS, DELIVERY VEHICLES.)
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ANY DEWATERING PERMITS AND/OR APPROVALS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED FACILITIES/SYSTEMS.
- 14. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVEN (7) COPIES FOR SHOP DRAWINGS, PRODUCT DATA, MATERIAL SPECIFICATION OF OTHER INFORMATION REGARDING CONSTRUCTION MATERIALS AND STRUCTURES AS REQUESTED BY THE OWNER, ENGINEER OR PERMITTING/APPROVAL AGENCY. SHOP DRAWINGS MUST BE NEWLY PREPARED INFORMATION, DRAWN TO ACCURATE SCALE. DO NOT REPRODUCE CONTRACT DOCUMENTS OR COPY STANDARD INFORMATION AS THE BASIS OF SHOP DRAWINGS. STANDARD INFORMATION PREPARED WITHOUT SPECIFIC REFERENCE TO THE PROJECT IS NOT CONSIDERED SHOP DRAWINGS. ALL COSTS ASSOCIATED WITH THIS ITEM IS INCLUDED IN THE UNIT PRICES.
- 15. BY HIS SUBMITTAL OF ANY SHOP DRAWING OR CATALOG DATA, BEARING HIS APPROVAL STAMP, THE CONTRACTOR THEREBY REPRESENTS THAT HE HAS DETERMINED AND VERIFIED ALL FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, DIMENSIONS, CATALOG NUMBERS AND SIMILAR DATA, OR WILL DO SO, AND THAT HE HAS CHECKED AND COORDINATED EACH ITEM WITH OTHER APPLICABLE APPROVED SHOP DRAWINGS AND THE CONTRACT REQUIREMENTS. SHOP DRAWINGS AND CATALOG DATA SUBMITTED WITHOUT THE CONTRACTOR'S STAMP OF APPROVAL WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW. APPROVAL OF SHOP DRAWINGS, SAMPLES, OR CATALOG DATA BY THE ENGINEER SHALL NOT AUTHORIZE ANY DEVIATION FROM THE REQUIREMENT OF THE CONTRACT DOCUMENTS NOR SHALL SUCH APPROVAL RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS THEREIN.
- 16. ANY PROPOSED SUBSTITUTE/EQUAL TO STRUCTURE REINFORCING STEEL AS SHOWN ON THE CONTRACT DOCUMENTS SHALL BE ACCOMPANIED BY CALCULATIONS SUBSTANTIATING EQUIVALENCY. SHOP DRAWINGS WITH SUBSTITUTE REINFORCEMENT NOT ACCOMPANIED BY CALCULATIONS WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW.
- PROCEDURES ARE INCLUDED IN THE UNIT PRICES.

# FLORENCE FULLER CHILD **DEVELOPMENT CENTER**



7-9 10-13

SEC 1 TWP 47, RNG 41E LOCATION MAP N.T.S.

17. THE CONTRACTOR UNDERSTANDS THAT THEY ARE REQUIRED TO PERFORM ANY AND ALL TESTS, INSPECTIONS, PROCEDURES INCLUDING ALL LABOR, MATERIALS, TIME AND EFFORT IN ORDER TO HAVE ALL WORK DESIGNATED AS FINAL BY ANY AGENCY OR MUNICIPALITY HAVING THE AUTHORITY AND HAVE ALL BONDS OR LETTERS OF CREDIT RELEASED TO OWNER. AND THAT SUCH TESTS, INSPECTIONS AND

18. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH OWNER'S SURVEYOR FOR PURPOSES OF OBTAINING RECORD INFORMATION AS REQUIRED BY THE ENGINEER AND PALM BEACH COUNTY CONTRACTOR SHALL PROVIDE EQUIPMENT AND MANPOWER AS NECESSARY TO OBTAIN RECORD INFORMATION. INCLUDING BUT NOT LIMITED TO POTHOLING, PIPE/STRUCTURE CLEANING AND/OR PUMP-DOWN. LANDSCAPING SHALL NOT BE PERMITTED IN DRAINAGE/UTILITY EASEMENTS.

JORGE VALLE-PELLOT, P.E. FLORIDA LICENSE # 77039 FOR MICHAEL B. SCHORAH AND ASSOCIATES, INC.

# **INDEX TO DRAWINGS**

COVER SHEET AND INDEX SHEET BOUNDARY AND TOPOGRAPHIC SURVEY **EROSION CONTROL PLAN** DEMOLITION PLAN DIMENSION AND STRIPING PLAN DEVELOPMENT PLAN PAVING AND DRAINAGE DETAILS WATER AND SANITARY DETAILS





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	MICHAEL B. SCHORAH & ASSOCIATES, INC. 1850 Forest Hill Boulevard, Suite 206 West Palm Beach, Florida 33406 Phone (561) 968-0080 Fax. (561) 642-9726						
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EROSION CONTROL NOTES

THE CONTRACTOR IS REQUIRED TO ADHERE TO THE REQUIREMENT OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) GENERIC PERMIT. THE CONTRACTOR SHALL INSTITUTE BEST MANAGEMENT PRACTICES (BMPS) TO ENSURE COMPLIANCE WITH THE NPDES PROGRAM AND TO MINIMIZE THE IMPACT TO PUBLIC STORMWATER FACILITIES.

PRIOR TO CONSTRUCTION, A SILT FENCE IN ACCORDANCE WITH FDOT INDEX 102 (LATEST VERSION) TYPE III SILT FENCE WILL BE ERECTED ALONG THE PERIMETER OF THE SITE.

PRIOR TO CONSTRUCTION, TURBIDITY BARRIERS IN ACCORDANCE WITH FDOT INDEX 103 (LATEST VERSION) WILL BE INSTALLED IN THE L-7 CANAL AT THE PROPOSED OUTFALL LOCATION.

ALL CATCH BASINS WITHIN THE NEW CONSTRUCTION AREA WILL HAVE THEIR INLETS PROTECTED BY THE INSTALLATION OF FILTER FABRIC INTO THE FRAME AND GRATE.

THIS SILT FENCING AND FILTER FABRIC WILL REMAIN IN PLACE DURING THE ENTIRE DURATION OF CONSTRUCTION.

CONTRACTOR WILL BRACE ALL EXISTING LANDSCAPING TO REMAIN PRIOR TO BEGINNING ANY WORK AND WILL ENSURE THEIR STABILIZATION THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EXISTING SOD DISTURBED BY CONSTRUCTION THAT IS NOT AFFECTED BY PROPOSED GRADING WILL BE RESTORED TO ITS ORIGINAL STATE UPON COMPLETION OF CONSTRUCTION. SODDED SLOPES STEEPER THAN 4 HORIZONTAL TO 1 VERTICAL WILL BE PEGGED.

ALL WASTE GENERATED FROM THE CONSTRUCTION SHALL BE DISCARDED IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL, AND FEDERAL REGULATIONS. CONTRACTOR IS TO OBTAIN ALL APPLICABLE CODES AND BECOME FAMILIAR WITH STATE, LOCAL AND FEDERAL REGULATIONS PRIOR TO BEGINNING CONSTRUCTION. REGULATIONS CAN BE FOUND, BUT NOT LIMITED TO, DEPARTMENT OF ENVIRONMENTAL RESOURCE MANAGEMENT AND DEPARTMENT OF ENVIRONMENTAL PROTECTION.

CONTRACTOR SHALL ENSURE THAT OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST IS MINIMIZED.

AT ANY TIME DURING CONSTRUCTION THAT THE SILT FENCING OR TURBIDITY BARRIERS ARE DISTURBED, THE SILT FENCING OR TURBIDITY BARRIERS WILL BE RESTORED TO THEIR ORIGINAL STATE WITHIN 24 HOURS. AT NO TIME DURING CONSTRUCTION SHALL WORK BE PERFORMED WITHOUT THE INTEGRITY OF THE SILT FENCING OR TURBIDITY BARRIERS SECURED.



/ INLET FILTER INSTALLATION WITHOUT FRAME AND GRATE

NOT TO SCALE WIRE SUPPORT – MOULD 6x6", 5/5 GA. 49 #/100 SQ. FT. WELD WIRE SUPPORT. EXTEND 6" MIN. AT SIDES

1. CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.

2. CONTRACTOR TO REMOVE FABRIC JUST PRIOR TO PAVING.

# A SEDIMENT TRAP WILL BE EXCAVATED BEHIND THE CURB AT THE INLET. THE BASIN SHALL BE AT LEAST 12 TO 14 INCHES IN DEPTH, APPROXIMATELY 36 INCHES IN WIDTH, AND APPROXIMATELY 7 TO 10 FEET IN LENGTH PARALLEL TO THE CURB.

STORM WATER WILL REACH THE SEDIMENT TRAP VIA CURB CUTS ADJACENT TO EACH SIDE OF THE INLET STRUCTURE. THESE OPENINGS SHALL BE AT LEAST 12 INCHES IN LENGTH. STORM WATER MAY ALSO REACH THE BASIN VIA OVERLAND FLOW LAND AREA BEHIND THE CURB. THE CURB CUTS SHALL BE REPAIRED WHEN THE SEDIMENT TRAP IS

INLET FILTER/PROTECTION DETAIL



13



OF 13





JOB NO.

SHEET NO.

OF 13

1544





	PAVING SPECIFICATIONS FOR SITE					
TYPE	WEARING SURFACE	BASE	SUB-GRADE			
ASPHALT PAVEMENT (DRIVE AISLE)	1 ½" THICK, TYPE S-III ASPHALTIC CONCRETE SURFACE COURSE IN TWO EQUAL LIFTS	8" THICK BASEROCK COMPACTED TO 98% MAXIMUM DRY DENSITY PER A.A.S.H.T.O. T-180	12" THICK STABILIZED (LBR-40) COMPACTED TO 98% MAXIMUM DRY DENSITY PER A.A.S.H.T.O. T-180			
ASPHALT PAVEMENT (PARKING)	1 ½" THICK, TYPE S-III ASPHALTIC CONCRETE SURFACE COURSE IN TWO EQUAL LIFTS	6" THICK BASEROCK COMPACTED TO 98% MAXIMUM DRY DENSITY PER A.A.S.H.T.O. T-180	12" THICK STABILIZED (LBR-40) COMPACTED TO 98% MAXIMUM DRY DENSITY PER A.A.S.H.T.O. T-180			
CONCRETE WALKS	4" THICK, CLASS I (2500 PSI) CONCRETE. 6" THICK W/ 6x6 W1.4xW1.4 W.W.M. AT DRIVEWAYS.	NONE	12" THICK COMPACTED TO 98% MAXIMUM DRY DENSITY PER A.A.S.H.T.O. T-180			

		ENGINEERS	TEL. (561) 968-0080	EB# 2438 FAX. (561) 642-9726 LB# 2438		WEST FALM BEACH, FLORIDA 33400
REVISIONS						
DRAWN/CHECKED:		SCALE:		NO SCALE	DATE:	JULY 2016
DRAWN/CHECKED:		JORGE VALLE-PELLOT, P.E. SCALE:	FLORIDA LICENSE # 77039		DATE: DATE: DATE:	
PROJECT: DRAWN/CHECKED:			DESCRIPTION:			



BRIDGE CONSTRUCTION, SECTION 162.

### **BACKFILLING EXCAVATION**

- 1. ALL STRUCTURES, PIPE LINES AND JOINTS AND OTHER CONSTRUCTION SHALL BE SUBJECT TO FIELD
- OBSERVATION BY THE ENGINEER (OR HIS REPRESENTATIVE) PRIOR TO BACKFILLING. 2. BACKFILLING SHALL BE DONE WITH APPROVED MATERIAL, FREE FROM LARGE CLODS, ROCKS, ORGANIC
- MATERIALS OR OTHER EXTRANEOUS MATERIAL.
- 3. BACKFILLING OF STRUCTURE (MANHOLES, ETC) EXCAVATIONS AND REQUIRED FILL UNDER STRUCTURE SLABS SHALL BE DONE IN HORIZONTAL LIFTS NOT EXCEEDING TWELVE (12) INCHES IN DEPTH, AND SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 98% OF THE MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180.
- 4. BACKFILL MATERIAL FOR PIPE EXCAVATION SHALL BE SELECTED, DEPOSITED AND COMPACTED SO AS TO ELIMINATE THE POSSIBILITY OF HORIZONTAL OR LATERAL DISPLACEMENT OF THE PIPE. BACKFILL MATERIAL SHALL BE SOLIDLY TAMPED AROUND THE PIPES IN TWELVE (12) INCH LIFTS UP TO A LEVEL AT LEAST TWELVE (12) INCHES ABOVE THE TOP OF THE PIPE. BACKFILLING SHALL BE CARRIED OUT SIMULTANEOUSLY ON BOTH SIDES OF THE PIPE. THE REMAINDER OF THE BACKFILL SHALL BE PLACED IN TWELVE (12) INCH LIFTS (COMPACTED THICKNESS), MOISTENED AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 98% OF THE MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180. WATER SETTLING MAY BE UTILIZED AT THE OPTION OF THE CONTRACTOR, PROVIDED THE REQUIRED DENSITY IS ACHIEVED. IN AREAS WHERE PAVING IS TO BE PLACED OVER THE BACKFILLED TRENCH, COMPACTION SHALL BE CARRIED OUT TO ACHIEVE A DENSITY OF AT LEAST 98% OF THE MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180 FOR A MINIMUM OF THE TOP THREE (3) FEET OF THE BACKFILLED TRENCH (THE REMAINING DEPTH AS NOTED ABOVE) AND EXTENDING TO THE TRENCH WIDTH + TWO (2) FEET - SEE DETAIL.
- 5. DENSITY TESTS FOR DETERMINATION OF THE SPECIFIED COMPACTION SHALL BE MADE BY AN APPROVED ENGINEERING TESTING LABORATORY. TESTS SHALL BE TAKEN IN ALL COMPACTED LIFTS (1 FOOT MINIMUM) RUN (STRUCTURE TO STRUCTURE). WHERE TRENCH CROSSES AREAS TO BE PAVED, A MINIMUM OF ONE (1) OF THE REQUIRED DENSITY TESTS MUST BE TAKEN IN THAT AREA.

![](_page_7_Figure_8.jpeg)

PARKING STALL DETAIL

NO SCALE

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## SPECIFICATIONS - PAVING AND DRAINAGE

- CLEARING AND GRUBBING WITHIN THE LIMITS OF CONSTRUCTION, ALL VEGETATION AND ROOT MATERIAL SHALL BE REMOVED. GUMBO - WHERE GUMBO OR OTHER PLASTIC CLAYS ARE ENCOUNTERED, THEY SHALL BE REMOVED WITHIN THE CONSTRUCTION AREA ONE FOOT BELOW THE SUBGRADE EXTENDING HORIZONTALLY TO THE OUTSIDE EDGE OF THE SHOULDER AREA. HARDPAN - IF HARDPAN IS ENCOUNTERED IN THE ROADSIDE SWALE, IT WILL BE 3. REMOVED TO A WIDTH OF TWO FEET AT THE SWALE INVERT AND REPLACED WITH EACH WAY **GRANULAR MATERIAL** MUCK AND PEAT - IF MUCK AND/OR PEAT ARE ENCOUNTERED IN THE ROAD RIGHTS - PRE-CAST CONCRETE TOP SLAB OF WAY, THEY WILL BE REMOVED COMPLETELY FROM THE AREA OF CONSTRUCTION TO A WIDTH OF TEN FEET BEYOND THE EDGE OF PAVEMENT AND SHALL BE BACKFILLED WITH GRANULAR MATERIAL IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATIONS OF - NO.4 HOOPS ALL EXISTING UNDERGROUND UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO @ 12" O.C CONSTRUCTION. NOTIFY ALL UTILITIES INVOLVED PRIOR TO CONSTRUCTION. - NO.4 @ 12" O.C. PIPE BACKFILL - REQUIREMENTS FOR PIPE BACKFILL CROSSING ROADS OR PARKING 6 AREAS SHALL BE DEFINED IN THE FLORIDA D.O.T. SPECIFICATIONS, SECTION 125-8. PIPELINE BACKFILL SHALL BE PLACED IN SIX INCH LIFTS AND COMPACTED TO 98% OF THE STANDARD PROCTOR (A.A.S.H.T.O.) T-180 SPECIFICATIONS. SEQUENCE OF CONSTRUCTION - SEQUENCE OF CONSTRUCTION SHALL BE SUCH PRE-CAST CONCRETE THAT ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. INLETS - ALL INLETS SHALL BE THE TYPE DESIGNATED ON THE PLANS, AND SHALL BE 8. CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA D.O.T. SPECIFICATIONS. SECTION 425.9. CORRUGATED ALUMINUM PIPE (C.AL.P.) - THE PIPE SHALL CONFORM WITH THE REQUIREMENTS OF THE A.A.S.H.T.O. M-196, AND WITH THE FLORIDA D.O.T. SPECIFICATIONS, SECTION 945-1. ALUMINUM PIPE TO BE HELICAL (SPIRAL FLOW). 10. REINFORCED CONCRETE PIPE - THE PIPE SHALL CONFORM WITH THE REQUIREMENTS OF CLASS III OF A.S.T.M. C-76 AND WITH THE FLORIDA D.O.T. SPECIFICATIONS, SECTION 941. 11. SUBGRADE - ALL MUCK, STUMP ROOTS OR OTHER DELETERIOUS MATTER
  - ENCOUNTERED IN THE PREPARATIONS OF THE SUBGRADE SHALL BE REMOVED COMPLETELY FROM THE CENTERLINE OF THE ROADWAY TO A WIDTH OF TEN FEET (10') BEYOND THE PROPOSED EDGE OF PAVEMENT. SUBGRADE SHALL BE COMPACTED TO 98% MAXIMUM DRY DENSITY A.A.S.H.T.O. T-180 LATEST REVISION SPECIFICATIONS. WHERE STABILIZATION IS REQUIRED IT SHALL MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 160. DENSITY TESTS OF COMPACTED SUBGRADE SHALL BE TAKEN AT A MINIMUM OF 1 TEST FOR EVERY 400 FT OF LANE WITH TESTS ON ADJACENT LANES AT STAGGERED LOCATIONS.
  - BASEROCK BASEROCK MATERIAL SHALL CONFORM WITH THE REQUIREMENTS OF 12. THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 911 (LIMEROCK) OR SECTION 913A (SHELL-ROCK MATERIAL). BASE SHALL BE COMPACTED TO A DENSITY NO LESS THAN 98% OF MAXIMUM DRY DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180, LATEST REVISION. CONTRACTOR SHALL NOTIFY ENGINEER IF BASEROCK SUBSTITUTE, OTHER THAN THE ABOVE-NOTED, IS PROPOSED. CONTRACTOR SHALL SUBMIT TEST REPORTS SHOWING GRADATION, CARBONATE CONTENT, PLASTICITY INDEX AND LIMEROCK BEARING RATIO OF PROPOSED SUBSTITUTE. TEST REPORTS SUBMITTED FOR SUBSTITUTE REVIEW SHALL NOT BE MORE THAN TWO (2) WEEKS OLD. ENGINEER MAY REQUIRE ADDITIONAL LAYER THICKNESS OF SUBSTITUTE. CONTRACTOR SHALL PROVIDE ADDITIONAL LAYER THICKNESS AT NO EXTRA COST TO OWNER
  - PRIME COAT BITUMINOUS PRIME COAT SHALL CONFORM WITH THE REQUIREMENTS 13. OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 300, AND SHALL BE APPLIED AT THE RATE OF 0.10 GALLONS PER SQUARE YARD,
  - TACK COAT BITUMINOUS TACK COAT SHALL CONFORM WITH THE REQUIREMENTS 14 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 300, AND SHALL BE APPLIED AT THE RATE OF 0.05 GALLONS PER SQUARE YARD.
  - 15. SURFACE COURSE TYPE 'S' ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTIONS 331 AND 332, THE MINIMUM COMPACTED THICKNESS TO BE AS NOTED ON PLANS.
  - 16. CONCRETE - ALL CONCRETE SHALL DEVELOP 2500 P.S.I. (MINIMUM) 28 DAY COMPRESSIVE STRENGTH OR GREATER WHERE NOTED ON PLANS. CLASS I CONCRETE SHALL CONFORM WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 347, CLASS I CONCRETE USED AS PAVING SHALL DEVELOP 3000 P.S.I. (MINIMUM) 28 DAYS COMPRESSIVE STRENGTH. CONCRETE CURBING SHALL CONFORM WITH THE FLORIDA D.O.T. SPECIFICATIONS, SECTION 520.
  - **REGULATIONS ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT** 17. PALM BEACH COUNTY UNIFIED LAND DEVELOPMENT CODE AND THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ALL ADDENDA TO THE ABOVE REGULATIONS AND THEIR LATEST REVISIONS THERETO SHALL GOVERN.
  - 18. ELEVATIONS - ALL ELEVATIONS REFER TO N.A.V.D., 1988.
  - AS-BUILTS THE CONTRACTOR SHALL COMPLETE "AS-BUILT" INFORMATION RELATIVE 19 TO LOCATION OF THE INLETS AND MANHOLES AS WELL AS INVERTS AND RIM ELEVATIONS.
  - GUARANTY ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED 20. BY THE CONTRACTOR UNDER THIS CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTY PERIOD, THE AFFECTED PART, PARTS, OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE THE NECESSARY REPLACEMENT OR REPAIRS WITHIN SEVEN DAYS AFTER NOTIFICATION BY THE OWNER, THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.
  - 21. WHERE CONNECTIONS TO AN EXISTING DRAINAGE SYSTEM ARE PROPOSED, SAID EXISTING DRAINAGE STRUCTURES AND LINES SHALL BE CLEANED OF ALL SILT AND OTHER DEBRIS PRIOR TO SAID CONNECTIONS BEING MADE, AND WHERE THE EXISTING DRAINAGE SYSTEM INCLUDES DITCHES, SAID DITCHES SHALL BE CLEARED AND REWORKED, AS NECESSARY, TO RESTORE THEM TO AN APPROVED DESIGN SECTION.
  - 22. ALL MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND PALM BEACH COUNTY, FLORIDA ENGINEERING DEPARTMENT DRAWING T-P-13.
  - 23. WHERE A MODIFIED OR STANDARD PROCTOR IS REQUIRED ON MATERIAL THAT REQUIRES COMPACTION TO A SPECIFIED LIMIT, A PROCTOR MUST BE DONE FOR EACH TYPE OR CLASSIFICATION OF MATERIAL TO BE UTILIZED.
  - 24. ALL DRAINAGE SYSTEMS SHALL BE PUMPED DRY AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTION.
  - 25. NO PAVER BRICK IS TO BE USED WITHIN PALM BEACH COUNTY RIGHT-OF-WAY.

![](_page_8_Figure_23.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_11_Figure_0.jpeg)

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IN-LINE CONNECTION PRESSURE GAUGE (MUST SHO "ZERO" DURING PRESSURE TO "WAVE NO. 2 W/ PROP. POT WAVE NO. 2 W/ PROP. POT WATER MAN DOUBLE STRAP SADDLE WITH CORPORATION STOP (MIPXMIN PIPE DIA. PROP. POTAL CORPORATION STOP (MIPXMIN PIPE DIA. PROP. POTAL PROP. POTAL PROP. POTAL PROP. POTAL PROP. POTAL PROP. POTAL PROP. POTAL PROP. POTAL WATER MAIN PIPE DIA. PROP. POTAL PROP. POTAL WATER MAIN PIPE DIA. PROP. POTAL CORP. STOP (MIPXMIN) PIPE DIA. PROP. POTAL WATER MAIN PROP. POTAL WATER MAIN PROP. POTAL WATER MAIN PROP. POTAL PROP. POTAL WATER MAIN PROP. POTAL PROP. POTAL PR	DW EST)         DEFINITIONS         SENERAL NOTES           BOX (TYP.) TABLE         1. DEPARTMENT - THE PALM BEACH COUNTY WATER UTILITIES DEPARTMENT.           BOX (TYP.) TABLE         1. DEPARTMENT - THE PALM BEACH COUNTY WATER UTILITIES DEPARTMENT.           IN (RESTRAINT)         2. CONTRACTOR - UTILITY CONTRACTOR AND ALL UTILITY SUBCONTRACTORS.           IN (RESTRAINT)         3. ENGINEER - ENGINEER RESPONSIBLE FOR INSPECTION AND CERTIFICATION. PROCEEDURE           IN (RESTRAINT)         7. A PRE-CONSTRUCTION MEETING IS TO BE HELD PRIOR TO DELINERY OF MATERIALS AND INITIATION OF ANY POTABLE WATER, RECLANDED BY THE DEPARTMENT, CONTRACTOR, ENGINEER AND OTHER INTERESTED PARTIES.           P) TYP.         2. ANY REVISIONS TO THE APPROVED PLANS SHALL BE CALLED TO THE ATTENTION OF THE DEPARTMENT FRIGH TO THE PRE-CONSTRUCTION MEETING. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING.           (MUST SHOW ESSURE TEST)         4. ALL APPLICABLE PERMITS MUST BE OBTAINED PROR TO PRECONSTRUCTION MEETING. (DOT, HEALTH DEPARTMENT, COUNTY HEORING TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING.           (MUST SHOW ESSURE TEST)         5. THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON JOB SITE.           BLE (RESTRAINT)         4. ALL APPLICABLE PERMITS MUST BE OBTAINED PROVED TO PRECONSTRUCTION PLANS ON JOB SITE.           BLE (RESTRAINT)         5. THE CONTRACTOR SHALL BE APPROVED PRIOR TO DELVERY OF THESE MATERIALS TO THE JOB SITE.           6. ALL MATERIALS SUPPLIED SHALL CONFORM TO PRODUCT UST AND SHOP PRAWINGS AS APPROVED PRIOR T	FLORENCE FULLER CHILD DEVELOPMENT CENTER
GAUGE AND RISER TO BE REMOVED AFTER PRESSURE TEST, HOLE TO BE PLUGGED AT SADDLE WITH BRASS PLUG. A BRASS CAP IS REQUIRED. THREAD AREAS OF CORPORATION STOP SHALL BE SPIRAL WRAPPED WITH WRAPS OF TEFLON TAPE. ENSURE PROPER RESTRAINT OF EXISTING VALVE(S) AND PIPE PRIOR TO CONNECTION. SEE ALSO DETAIL FOR "STANDARD POTABLE WATER MAIN TIE-IN PROCEDU RECORD DRAWINGS TO SHOW DATA FOR ALL TEST TAPS. ALL BRASS SHALL BE "LEAD FRFF"	E       PRECEDING DUCUMENTS SHOULD BE CALLED TO THE ATTENTION OF THE DEPARTMENT FOR RESOLUTION. DEVIATIONS FROM THE APPROVED PLANS MUST BE APPROVED IN ADVANCE BY THE DEPARTMENT.         13.       UPON COMPLETION OF CONSTRUCTION, A FINAL INSPECTION SHALL VERIFY PROPER ADHERENCE TO ALL FACETS OF THE PLANS AND SPECIFICATIONS.         NEW       PRESSURE PIPE NOTES         1.       THERE SHALL BE 36" MINIMUM COVER FROM FINISHED GRADE TO TOP OF PIPE.         2.       DUCTILE IRON PIPE (DIP) THICKNESS SHALL CONFORM TO THE DEPARTMENT'S APPROVED MATERIAL LIST. POTABLE WATER AND RECLAIMED WATER MAINS DIP SHALL BE CEMENT LINED. FORCE MAIN DIP SHALL BE CERAMIC EPOXY LINED.	REACH COLUMN
ALTERNATIVE WATER MAIN TIE-IN	AXIMUM QUANTITY OF WATER (GALLONS PER HOUR) THAT MAY BE SUPPLIED	PALM BEACH COUNTY WATER UTILITIES DEPARTME P.O. BOX 16097 WEST PALM BEACH, FL 33416 (561)493-6000
RESTRAINED         FOR PVC PIPE, RELEASE 3.1, AND         'E       200psi         "       24"         30"       36"       42"         'E       200psi         "       24"       30"         'E       200psi         "       24"       AVG. TES:         PRESSUR       PRESSUR         PCI       PCI	TO MAINTAIN PRESSURE WITHIN 5 P.S.I. OF THE SPECIFIED TEST PRESSURE         (MECHANICAL OR PUSH-ON JOINT, 18 FT. NOMINAL LENGTHS, PER 1000 FT. OF PIPE)         Image: Construction of the second secon	A.G.
20 $+1$ $+0$ $51$ $50$ 12       19       22       25 $27$ 6       10       11       12       13         5       134       214       246       276       304         9       35       57       66       74       83         5       56       89       102       114       126         2       15       23       27       31       34         5       27       43       49       55       60         7       11       13       15       16         13       21       24       27       30         3       6       6       7       8         9       151       214       246       276       304         5       80       110       125       140       155         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         13       214       246       276       304	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	REVISION / REMARKS GENERAL REVISION GENERAL REVISION
	DOTADLE WATER MAIN RECOURS TEST OFFENIA	DATE EB. 2015 0V. 2015
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	POTABLE WATER MAIN PRESSURE TEST CRITERIA 31V	
WING INSTALLATION CONDITIONS: DEPTH OF BURY-3' VERTICAL OFFSET-3' PVC PIPE. ESTRAINED. IF VALVES AND FITTINGS. PIPE. DITION ARE REQUIRED AT EACH END OF A ESTRAINT PIPE LENGTHS FOR THE PROJECT	STANDARD DETAILS LTANT: MICHAEL B. SCHORAH & ASSOCIACES, INC. INCIMENTATION DEVELOPMENT CONSULTATION FL. (61) 980-0000 FL. (61) 980-0000 FL	DETAILS SHEET NUMBER 12 OF 13 SEAL
RESTRAINT CHEC NGTHS 34W APPR	WUD       WUD       WUD       WUD         VN BY:       WUD CADD       Palm Beach County         CKED BY:       A. GALICKI       Water Utilities Department         ROVED BY:       WUD       WUD	JORGE VALLE-PELLOT FLORIDA REGISTRATION #77039 FOR MICHAEL B. SCHORAH AND ASSOCIATES, INC.

PROJECT N

![](_page_12_Figure_0.jpeg)