GENERAL NOTES

1. ALL ELEVATIONS REFER TO NORTH GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.), UNLESS NOTED OTHERWISE.
2. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF DERM, DEP & SFWMD, WATER MANAGEMENT REGULATIONS AND STANDARDS, THE FDOT STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION. THE LATEST MIAMI-DADE COUNTY "PUBLIC WORKS DEPARTMENT, MANUAL PART II – DESIGN AND CONSTRUCTION", AND THE VILLAGE OF PINECREST PUBLIC WORKS REQUIREMENTS.
3. ALL GRADES SHOWN IN PLAN ARE FINISHED GRADES.
4. THE LOCATION AND SIZE OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY PRE-TRENCHING IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL AT 1-(800)-432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
6. EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
7. NPDES CONPLIANCE: CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. IN PARTICULAR, SEDIMENT AND EROSION CONTROLS AND STORM WATER MANAGEMENT MEASURES SHALL BE STRICTLY FOLLOWED.
8. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT
9. AT THE COMPLETION OF THE WORK THE CONTRACTOR SHALL CERIFY THAT THE DRAINAGE SYSTEM IS CLEAN OF DEBRIS OR ANY FOREIGN OBJECT. THE SITE SHALL BE CLEANED OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
10. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL THE FINAL ACCEPTANCE OF OWNER, ENGINEER, AND PUBLIC WORKS.

PAVEMENT SPECIFICATIONS:

OPTIONAL SURFACE COURSES: CONCRETE PAVERS SHALL BE: 3 1/8" THICK SOLID CONCRETE INTERLOCKING PAVING UNITS (PER ASTM C 936). CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CUT SHEETS FOR APPROVAL TO THE ARCHITECT. 1 2

ASPHALTIC CONCRETE SURFACE SHALL BE: 2" ASPHALTIC CONCRETE STRUCTURAL COURSE TYPE SP-9.5 AS PER FDOT 2024 SPECS SECTION 334.

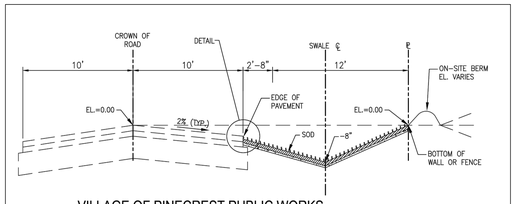
RIGID CONCRETE SURFACE SHALL BE: 6" CLASS I CONCRETE, ATTAINING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI AND REINFORCED WITH 6"X6" 1 W1.4 X W1.4 W.W.F. OF FIBER MESH REINFORCEMENT.

ROCK BASE: 8" LIMEROCK COMPACTED TO 98% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT PER A.A.S.H.T.O. T-180, METHOD "D". EXTEND 6" BEYOND EDGE OF SURFACE COURSE OR BACK OF CURB, AS APPLICABLE (PER FDOT SPECS SECTION 200) PRIME COAT ON LIME ROCK BASE COURSE SHALL MEET FDOT SPECS SECTION 300.

SUBGRADE: 12" STABILIZED GRANULAR MATERIAL COMPACTED TO 98% MAX. DRY DENSITY AT OPTIMUM MOISTURE CONTENT PER .A.S.H.T.O. T-180, METHOD "D" – IF EXISTING MATERIAL PROVIDES MINIMUM LBR OF 40, STABILIZATION IS NOT REQUIRED. EXTEND 12" BEYOND EDGE OF SURFACE COURSE OR BACK OF CURB, AS APPLICABLE (PER FDOT SPECS SECTION 160).

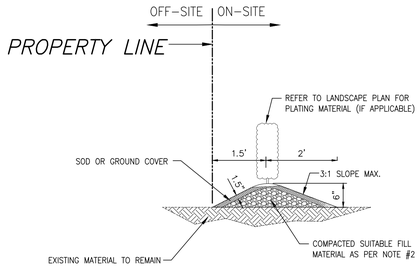
ALL DRIVEWAY AREAS SHALL BE DEMUCKED OR STABILIZED WITH GEOTEXTILE MATERIAL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS, AND CITY SPECIFICATIONS AND REQUIREMENTS.

4



SWALE DETAIL

N.T.S.

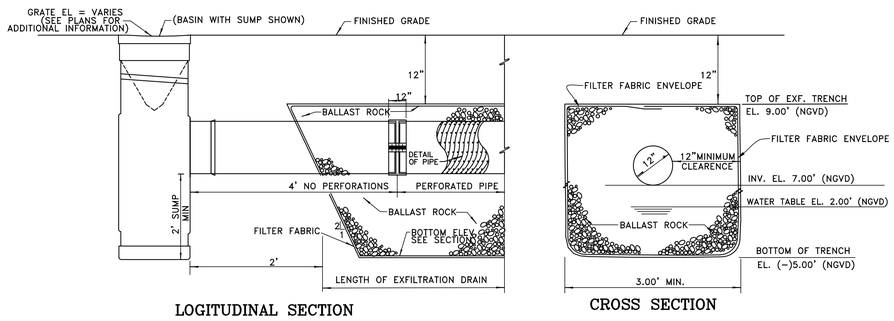


PROPERTY BERM DETAIL

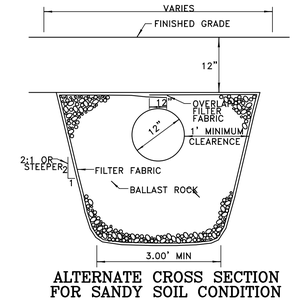
N.T.S.

NOTES:
1- CONTRACTOR SHALL CONSTRUCT A BERM ALONG THE PROPERTY PERIMETER, AS SHOWN ON PLAN. THE BERM SHALL BE 6" HIGH MINIMUM.

2- SOIL USED TO CONSTRUCT BERM SHALL BE SUITABLE FILL MATERIAL OR A STRUCTURAL MIXTURE COMPRISED OF 60% NATIVE CRUSHED LIMESTONE AND 40% PLANTING SOIL, NO MUCK OR OPEN GRADE SILICA. BERM TO BE COMPACTED TO 80% DENSITY, AND SODDED OR STABILIZED IN AN APPROVED METHOD TO PREVENT EROSION.

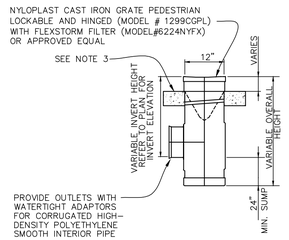


NOTES:
1. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PREVENT CONTAMINATION OF THE TRENCH WITH SAND, PEAT, SILT AND FOREIGN MATERIALS.
2. FILTER FABRIC SHALL BE SUBSURFACE DRAINAGE TYPE METTING THE REQUIREMENTS OF FDOT SPECS, SECTION 985. ALL FILTER FABRIC JOINTS SHALL OVERLAP A MINIMUM OF ONE (1) FOOT.
3. WHERE TRENCH WALL WILL NOT STAND VERTICAL OR WHERE CAVE-IN BELOW THE WATER TABLE IS LIKELY, AN ALTERNATE SECTION IS TO BE USED AT THE DISCRETION OF THE ENGINEER. THERE WILL BE NO ADDITIONAL PAYMENT FOR THIS CROSS SECTION.
4. PLASTIC FILTER FABRIC (AT EACH SIDE, TOP AND BOTTOM) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND OR AS DIRECTED BY THE ENGINEER.
5. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE
6. THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.



EXFILTRATION TRENCH DETAIL

N.T.S



DRAIN BASIN DETAIL

N.T.S.

NOTE:
1- PROVIDE NYLOPLAST PVC DRAIN BASIN OR APPROVED EQUAL

2- ALL DRAIN BASINS WITH OPEN GRATES SHALL HAVE FLEXSTORM FILTERS TYPE FX-SS.

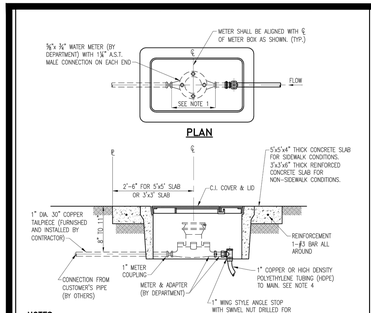
3- WHEN INSTALLED IN TRAFFIC OR PAVED AREAS, THE CONTRACTOR SHALL PROVIDE A 4'x4'x8" SLAB TO SUPPORT THE BASIN GRATE, AS PER MANUFACTURER'S INSTRUCTIONS.

4- ALL DRAIN BASINS GRATES SHALL BE HINGED WITH STANDARD LOCKING ASSEMBLY. FRAMES SHALL BE BOLTED TO THE BASIN BODY BY THE CONTRACTOR, IN THE FIELD.

5- ALL INLINE DRAIN GRATES SHALL HAVE LOCKING GRATE ASSEMBLY OR NYLOPLAST DROP-IN LOCKING KITS AS APPLICABLE.

MD-WASD DETAILS FOR REFERENCE ONLY

(CONTRACTOR SHALL CONFORM TO THE LATEST DETAILS ON FILE WITH THE MD-WASD)

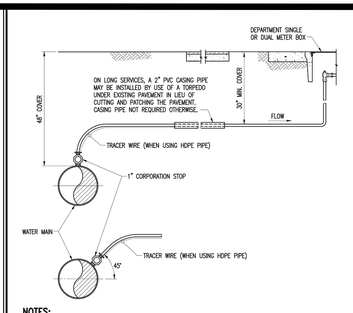


NOTES:
1. METER LAYING LENGTH AS SHOWN: 10⅜" (OUTLET TO OUTLET) FOR ¾" OR 1" METER (11" WITH GASKETS).
2. USE SINGLE METER BOX.
3. CONCRETE SLAB REINFORCEMENT SHALL HAVE 1-#3 BAR ALL AROUND.
4. USE 1" BLUE COLOR HDPE OR 1" COPPER TUBING FOR POTABLE WATER SERVICE. USE ONLY 1" PURPLE COLOR HDPE (NO COPPER ALLOWED) FOR RECLAIMED WATER SERVICE.
5. METERS WILL NOT BE INSTALLED IF THE METER BOX IS IN A DRIVING SURFACE.
6. WHEN USING 1" HDPE SERVICE A TEN GAUGE BLUE (PURPLE FOR RECLAIMED WATER) DIRECT BURY STANDARD COPPER TRACE WIRE IS TO BE TAPED CONTINUOUSLY WITH POLY OR DUCT TAPE TO THE SERVICE FOR LOCATION PURPOSES. WIRE SHALL BE ATTACHED TO WATER MAIN. WIRE MUST EXTEND INTO METER BOX.
7. IF USED FOR RECLAIMED WATER, THE COVER SHALL BE PERMANENTLY EMBOSSED WITH THE WORDING: "RECLAIMED WATER-DO NOT DRINK-NO BEBER-PA BOUR".
8. ALL SPACER TUBES AND TAILPIECES SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.
9. REPAIRS TO SLAB AND METER ARE PROHIBITED.

ITEM	CROSS REF.	SPEC. REF.
1" SERVICE CONNECTION	WS- 4.11	
TYPICAL SERVICE PLAN	WS- 4.10	

ISSUE DATE	APPROVED BY
06/01/2008	V.F.C.

STANDARD DETAIL — SINGLE METER BOX INSTALLATION — WS 2.10 — SHEET 1 OF 3

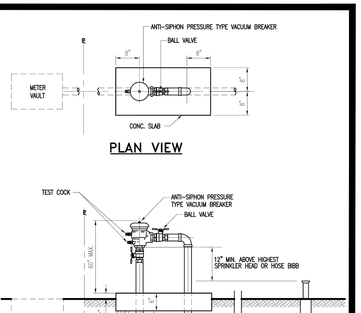


NOTES:
1. CONTRACTOR HAS THE OPTION OF TAPPING AT 45°.
2. METERS WILL NOT BE INSTALLED IF THE METER BOX IS LOCATED ON A DRIVING SURFACE.
3. PROVIDE 36" MIN. COVER FOR SERVICES INSTALLED WITHIN ARTERIAL ROADS (INCLUDING ALL SECTION LINE AND HALF-SECTION LINE ROADS).
4. INSTALL TAPPING SADDLE FOR THICKNESS CLASS D.I. MAINS 4" & SMALLER, PRESSURE CLASS D.I. WATER MAINS 6" & SMALLER, OR WHEN MAIN IS PVC, HDPE OR AC PIPE.
5. WHEN MAIN IS SHALLOWER THAN 48", A ¾" OR ¾" BEND MUST BE USED.
6. WHEN USING HDPE SERVICE PIPE, A TEN GAUGE BLUE TRACER WIRE TO BE TAPED TO THE PIPE EVERY 2 FT. WITH POLY OR DUCT TAPE. TRACER WIRE TO BE MECHANICALLY FASTENED TO THE MAIN WHEN A METAL WATER MAIN IS USED.
7. USE SERVICE SADDLE AND TAPPING SLEEVE FOR PVC RECLAIMED WATER MAIN.

ITEM	CROSS REF.	SPEC. REF.
TYPICAL SERVICE PLAN	WS- 4.10	

ISSUE DATE	APPROVED BY
1/3/2011	V.F.C.

STANDARD DETAIL — TYPICAL 1" SERVICE CONNECTION (COPPER OR HDPE) — WS 2.16 — SHEET 3 OF 4



ITEM	CROSS REF.	SPEC. REF.
GUARD POST DETAIL	WS4.5	XX XXX

ISSUE DATE	APPROVED BY
11/01/2006	V.F.C.

STANDARD DETAIL — PRESSURE VACUUM BREAKER IRRIGATION SYSTEM ONLY — WS 4.19 — SHEET 1 OF 2

FAO ARCHITECTURE

ARCHITECTURE INTERIOR DESIGN PLANNING
407 LINCOLN ROAD SUITE B-S MIAMI BEACH, FLORIDA 33139 P 786.448.5630

TCE PROJECT No.: 230826

CLIENT:
RONALDO FL1, LLC
1200 BISCAYNE BLVD.
MIAMI , FLORIDA 33181

REVISIONS:
1 01-30-24 CITY COMMENTS
2 02-26-24 CITY COMMENTS
3 07-02-24 CITY COMMENTS

TERRA CIVIL ENGINEERING

TERRA CIVIL ENGINEERING, LLC
CIVIL ENGINEERING
4011 WEST FLAGLER ST.,
SUITE 404
MIAMI, FLORIDA 33134
CERT. OF AUTHORIZATION #27209

CASA OHAD
6200 SW 123 TERRACE
PINECREST, FL 33156

PROJECT DESCRIPTION:
SINGLE FAMILY RESIDENCE

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MARCO A. OSORIO ON THE DATE ADJACENT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

MARCO A. OSORIO LICENSE No. 44090 STATE OF FLORIDA PROFESSIONAL ENGINEER
2024.07.02 17:10:57 -04'00'

PHASE:
CONSTRUCTION DOCUMENTS

ISSUE DATE:
DECEMBER 12, 2023

SHEET TITLE:
GENERAL NOTES & DETAILS

SHEET:
C-300