

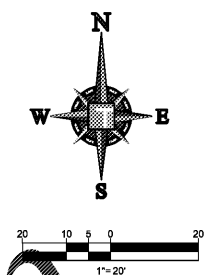
**DATUM NOTE:**  
 ELEVATIONS BASED ON ORANGE COUNTY BENCHMARK "L-853-017" HAVING AN ELEVATION OF 104.86 FEET. (NAVD 88).

**BENCHMARK NOTE:**  
 BENCHMARK #1: BENCHMARK N&D, ELEVATION = 110.71, DATUM = NAVD 88  
 BENCHMARK #2: BENCHMARK N&D, ELEVATION = 110.95, DATUM = NAVD 88

**FEMA MAP INFORMATION:**  
 THIS BUILDING/LOT LIES IN ZONE "X", BASED ON FLOOD INSURANCE RATE MAP COMMUNITY NO. 120185, PANEL NUMBER 0210, SUFFIX F, CITY OF OCOEE, ORANGE COUNTY, FLORIDA.

**LEGEND:**

- PROPERTY LINE
- PROPOSED BUILDING
- EXISTING SIDEWALK
- PROPOSED ASPHALT PAVEMENT (SEE DETAIL SHEET C-5.0)
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C-5.0)
- PROPOSED CONCRETE SIDEWALK (SEE SHEETS C-5.0)
- PROPOSED FOOT TYPE "D" CURB
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- EXISTING RECLAIMED WATER LINE
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING OVERHEAD LINE
- PROPOSED OVERHEAD LINE
- EXISTING TELEPHONE LINE
- PROPOSED TELEPHONE LINE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SANITARY SEWER STRUCTURE
- PROPOSED SANITARY SEWER STRUCTURE
- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE



**SANITARY SEWER NOTES:**

- GENERAL:**
1. DISTANCE AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES.
  2. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR TO TELEVIEW EXISTING SANITARY SEWER LINE FROM POINT OF CONNECTION THROUGH THE NEXT SEQUENTIAL DOWNSTREAM RUN OF PIPE. ADDITIONALLY, PRIOR TO COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL TELEVIEW THE NEWLY INSTALLED SANITARY SEWER MAIN TO ENSURE NO DIPS OR DEBRIS WITHIN LINE.
  3. ALL UNDERGROUND UTILITY WORK IN THE CITY EASEMENT OR ROW MUST BE COMPLETED BY UNDERGROUND UTILITY CONTRACTOR LICENSED BY THE STATE OF FLORIDA.
- B. MATERIALS:**
1. ALL PVC SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.
  2. ALL FITTINGS AND ACCESSORIES SHALL BE AS MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR APPROVED EQUAL.
  3. ALL SANITARY CLEANOUTS WITHIN PAVEMENT SHALL HAVE A LID THAT IS H20 LOADING.
- C. INSTALLATION:**
1. PIPE AND FITTINGS:
    - a. SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, AND THE UN-BELL PLASTICS PIPE ASSOCIATION'S "RECOMMENDED PRACTICE FOR THE INSTALLATION OF PVC SEWER PIPE".
    - b. BEDDING AND INITIAL BACKFILL (12 INCHES) OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER. PEA ROCK OR 3/4" WASHED ROCK WILL BE USED IN WATER OR WHERE UNSUITABLE BEDDING EXISTS. ALL OTHER FILL SHALL NOT HAVE ROCK LARGER THAN 6" IN DIAMETER.
  2. CLEANOUTS:
    - a. CLEANOUTS SHALL BE SET PLUMB TO LINE AND GRADE ON FIRM CLEAN SUBGRADE PROVIDING UNIFORM BEARING UNDER THE BASE.
    - b. ALL OPENINGS AND JOINTS SHALL BE SEALED WATER-TIGHT.
  3. SERVICE:
    - a. MINIMUM SLOPE OF ALL SERVICE LINES SHALL BE 1.00%.
    - b. EACH SERVICE CONNECTION SHALL BE PLUGGED WATER-TIGHT WITH AN APPROVED PLUG.
    - c. CONNECTION OF SERVICES TO BUILDING'S PLUMBING SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
- D. TESTING:**
1. 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. SEWER PIPE LEAKAGE ALLOWABLE SHALL NOT EXCEED 150 GALLONS PER DAY PER INCH DIAMETER PER MILE IN A TWO HOUR TEST PERIOD FOR ANY SECTION TESTED. NO VISIBLE LEAKAGE SHALL BE ALLOWED.
  4. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PRIOR TO THE CERTIFICATION TO ANY AGENCY.

**UTILITY CONTACTS:**

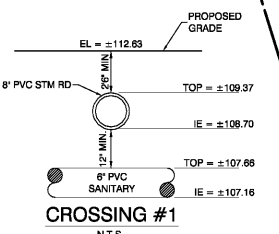
- SEWER & WATER**  
 ORANGE COUNTY UTILITIES  
 9150 CURRY FORD ROAD  
 ORLANDO, FL 32825  
 DAN BROOME, PE  
 (407) 254-9912
- RECLAIMED WATER**  
 CITY OF OCOEE  
 150 N. LAKESHORE DRIVE  
 OCOEE, FL 34761  
 DAVID WHEELER  
 (407) 905-3100 EXT. 1504
- ELECTRIC**  
 DUKE ENERGY  
 452 E. CROWN POINTE ROAD  
 WINTER GARDEN, FL 32767  
 SHARON DEAR  
 (407) 905-3321
- GAS**  
 LAKE APOPKA NATURAL GAS DISTRICT  
 1320 WINTER GARDEN-VINELAND ROAD  
 WINTER GARDEN, FL 34778  
 ALEX WOSGOIN  
 (407) 656-2734 EXT. 116
- TELEPHONE/CABLE**  
 BRIGHT HOUSE NETWORKS, LLC  
 3787 ALL AMERICAN BLVD.  
 ORLANDO, FL 32810  
 MARVIN USRY  
 (407) 532-8509
- FIRE PREVENTION**  
 CITY OF OCOEE  
 563 S. BULFORD AVENUE  
 OCOEE, FL 34761  
 CHIEF JOHN MILLER  
 (407) 905-3140
- EMERGENCY CONTACT**  
 DOLLAR TREE STORES, INC.  
 500 VICKIYO PARKWAY  
 CHESAPEAKE, VA 23220  
 (727) 321-5000

**WATER, SEWER, RECLAIMED DISTRIBUTION NOTES:**

1. CONTRACTOR SHALL FOLLOW GUIDELINES AND PROCEDURES OUTLINED BY UTILITY PROVIDER, AND HAVE UTILITY PROVIDER'S MANUAL ON-SITE AT ALL TIMES. THIS POLICY MANUAL SHALL BE CONSIDERED PART OF THE CONSTRUCTION DOCUMENTS AS IT PERTAINS TO APPROVED MATERIALS, INSTALLATION METHODS, INSPECTION NOTIFICATION AND AS-BUILT/PROJECT CLOSEOUT REQUIREMENTS.
2. ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M - 294 LATEST REVISIONS. ALL PIPING TO BE NON-PERFORATED TUBING.
3. ENSURE MINIMUM UTILITY SEPARATION PER F.A.C. RUSE 62-655.314 SEE SHEET C-11.0 - UTILITY DETAILS FOR DETAIL.

**UNDERGROUND UTILITY NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.
2. ALL EXISTING UTILITIES SHALL BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH CITY OF OCOEE AND LOCAL UTILITY COMPANY REQUIREMENTS. ALL DEMOLITION DEBRIS TO BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
3. ALL HYDRANTS SHALL FALL WITHIN 4' OF THE CURB.
4. MINIMUM 7.5' CLEARANCE AROUND THE HYDRANT CIRCUMFERENCE. THE 4 1/2" CAP SHALL FACE THE ROADWAY.
5. ALL FIRE HYDRANTS SHOULD HAVE BLUE REFLECTIVE MARKERS.
6. WATER SHALL BE ON SITE BEFORE CONSTRUCTION BEGINS.
7. CLEAN CUTS INSTALLED IN ASPHALT MUST BE INSTALLED IN A CITY BOX MARKED SEWER.



**WATER CONNECTION DETAIL "A":**  
 SCALE: 1" = 10'

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**THOMAS**  
 4950 W. KENNEDY BLVD, SUITE 600  
 TAMPA, FLORIDA 33609  
 Phone: (813) 378-4100  
 Fax: (813) 378-4040  
 ThomasEngineeringGroup.com

REV.	DATE	DRN	CHK	DESCRIPTION
05/15/2019	CTD	CTD		PER CITY OF OCOEE COMMENTS 5/13/19
01/17/2019	AG	CTD		PER CITY OF OCOEE COMMENTS 3/29/19
				DOCUMENT CONTROL



**DOLLAR TREE**  
 OCOEE, FL  
 UTILITY PLAN  
 PROJ. NO. FT180066 DWG. NO. C-10.0