

NO.	DATE	REVISIONS
1	11/20/17	ISSUE FOR PERMITS
2	1/7/19	REVISIONS

PROPOSED UTILITY LEGEND

PROPERTY BOUNDARY
 CURB AND GUTTER
 DRIVEWAY CURB AND GUTTER
 PROPOSED ADA DETECTABLE WARNING FIELD
 PROPOSED SIGN
 PROPOSED LIGHT POLE
 PROPOSED HANDICAP PARKING
 PROPOSED CONCRETE SIDEWALK

PROPOSED HEAVY DUTY CONCRETE
 PROPOSED ASPHALT PAVEMENT
 STORM SEWER PIPE
 STORM SEWER MANHOLE
 STORM SEWER CLEANOUT
 SANITARY SEWER FIELD INLET
 SANITARY SEWER PIPE (GRAVITY)
 SANITARY SEWER MANHOLE
 WATER MAIN
 WATER VALVE
 GAS MAIN
 ELECTRIC SERVICE

ABBREVIATIONS
 SMH = STORM SEWER MANHOLE
 FLD = FIELD INLET
 C = CLEANOUT
 S = SANITARY SEWER
 W = WATER MAIN
 G = GAS MAIN
 E = ELECTRIC SERVICE

GRAPHIC SCALE FEET
 0 10 20 40

UTILITY NOTES

1. SANITARY & STORM SEWER SYSTEMS ARE SHOWN FROM CENTER OF CENTER OF GRAVITY OF THE UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE BMS, WATER VALVES, AND CURB STOPS, SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
3. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(4)(g).
4. PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(g).
5. PRIVATE SANITARY SEWER LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D2689 - SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
6. EXTERIOR WATER SUPPLY PIPING, SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(6)(b).
7. NO REVISION MAY BE MADE IN WORK AT PLUMBING IN THE STATE UNLESS THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S. 145.06.
8. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
9. SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTAL) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY THE EXACT LOCATION OF PROPOSED SANITARY, STORM SEWER, AND WATER LATERALS.
10. CONTRACTOR SHALL VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR SIGNS WITHIN THESE PLANS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING THE LOCATION OF EXISTING UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTRACT ENGINEER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
12. ALL WATER SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
13. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS PER CITY REQUIREMENTS.
14. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT-OF-WAY EXCAVATION, UTILITY CONNECTION, FLAGGING, ABANDONMENT, AND DRIVEWAY CONNECTION PERMITS PRIOR TO CONSTRUCTION.
15. THE DEVELOPER SHALL INSTALL THE 3M[®] ELECTRONIC MARKER SYSTEM (EMS) 4" EXTENDED RANGE 5' BALL MARKERS - WASTEWATER (MODEL #404-RR) FOR THE REQUIRED MARKERS TO THE DEVELOPER OR ITS CONTRACTOR (GENERALLY REQUIRES 2 PER LATERAL) AND THE CONTRACTOR SHALL NOTIFY THE MANUFACTURER'S REQUIREMENTS OR AS DIRECTED BY THE CITY ENGINEER.

