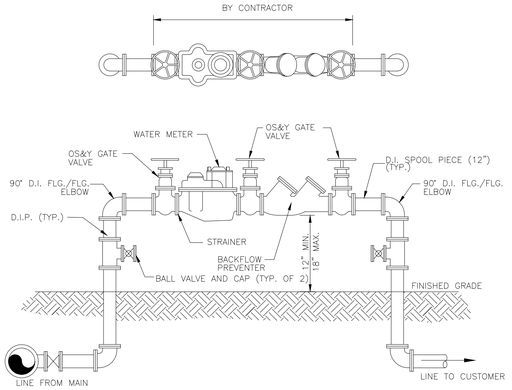
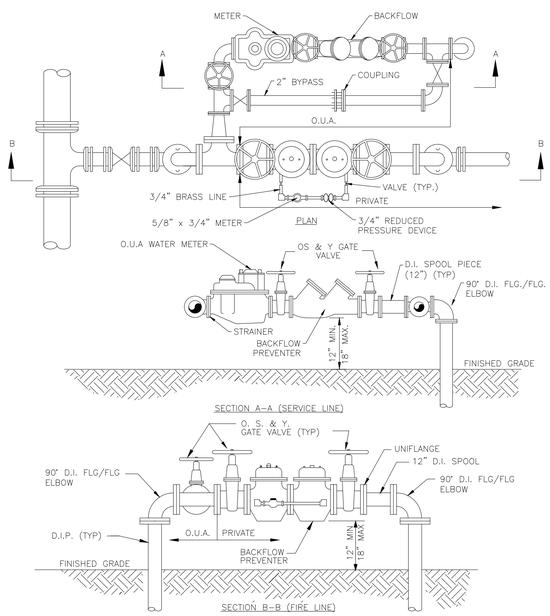


NOTES:

1. ALL PIPE AND FITTINGS SHALL BE CLASS 53 DUCTILE IRON CEMENT LINED.
2. MECHANICAL JOINT FITTINGS SHALL BE REQUIRED UNDERGROUND AND FLANGED FITTINGS FOR ABOVE GROUND USE, NO UNIFLANGES PERMITTED.
3. PAINT THE ENTIRE ABOVE GROUND ASSEMBLY, IN ACCORDANCE WITH THE OUA STANDARD. DO NOT PAINT OVER NAME/SERIAL PLATE OR BRASS FITTINGS.
4. CONTRACTOR TO INSTALL PIPE SUPPORTS AS NEEDED.
5. METER & BACKFLOW PREVENTION DEVICES SHALL BE PURCHASED FROM THE OKEECHOBEE UTILITY AUTHORITY.

3" AND 4" METER / BACKFLOW ASSEMBLY

10/15	OUA #4
N.T.S.	NEWLINES

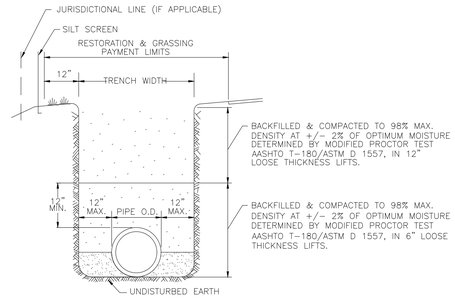


NOTES:

1. ALL PIPE AND FITTINGS SHALL BE CLASS 53 DUCTILE IRON CEMENT LINED.
2. MECHANICAL JOINT FITTINGS SHALL BE REQUIRED UNDERGROUND AND FLANGED FITTINGS FOR ABOVE GROUND USE.
3. PAINT THE ENTIRE ABOVE GROUND ASSEMBLY, IN ACCORDANCE WITH THE OUA STANDARDS. DO NOT PAINT OVER NAME/SERIAL PLATE OR BRASS FITTINGS.
4. CONTRACTOR TO INSTALL PIPE SUPPORTS AS NEEDED.
5. THE CONTRACTOR SHALL PURCHASE THE METER & BACKFLOW ASSEMBLY FROM O.U.A.
6. ONCE COMPLETE, ACCEPTED, AND PLACED INTO SERVICE THE O.U.A WILL OWN AND MAINTAIN PIPING UP THE FIRST VALVE ON THE FIRE LINE AND THE POTABLE METER, AND POTABLE BACKFLOW. THE PROPERTY OWNER TO OPERATE AND MAINTAIN FIRE LINE BACKFLOW AND FIRE LINE FROM THAT POINT.

SERVICE AND FIRE LINE ASSEMBLY

10/15	OUA #6
N.T.S.	NEWLINES

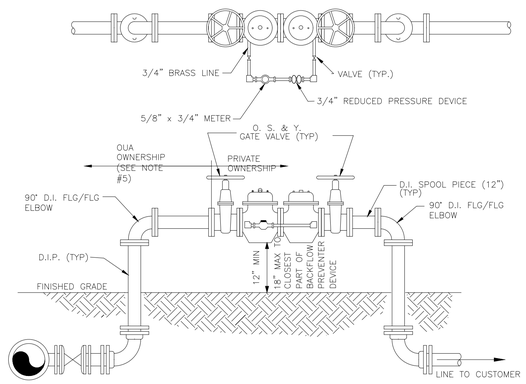


NOTES:

1. BACKFILL MATERIALS SHALL CONSIST OF CLEAN EARTH FILL COMPRISED OF SAND, SAND AND CLAY, GRAVEL, CRUSHED ROCK OR OTHER MATERIALS FROM GROUPS A-1, A-2 OR A-3, AASHTO CLASSIFICATION, FREE FROM ORGANIC MATTER AND VEGETATION, DEBRIS, LARGE CLODS OF EARTH OR STONES. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS, LARGE ROCKS AND ROOTS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
2. THE PIPE SHALL BE FULLY SUPPORTED ALONG ENTIRE LENGTH.
3. THE PIPE TRENCH SHALL REMAIN DRY DURING PIPE LAYING OPERATIONS.
4. ALL TRENCH WORK SHALL CONFORM TO LATEST STANDARDS AS SET FORTH BY THE FLORIDA TRENCH SAFETY ACT AND OR OSHA.
5. FOUR INCH WIDE DETECTABLE TAPE SHALL BE PLACED APPROXIMATELY 12"-18" BELOW FINISHED GRADE AND DIRECTLY ABOVE ALL PRESSURE PIPING. TAPE, WORDING AND COLOR SHALL CONFORM TO CITY STANDARDS.
6. TRAFFIC LANE CLOSURES, MOT PLANS AND ROADWAY REPAIRS MATERIALS SHALL BE PER DIRECTION OF ROAD OWNER. CONTRACTOR TO INQUIRE WITH OWNER ABOUT REQUIREMENTS PRIOR TO BID.
7. 3M LOCATOR BALLS SHALL BE INSTALLED AT EACH FITTING IN THE PIPE LINE CHANGING DIRECTION AND AT EACH CONNECTION.
8. 3M LOCATORS TO BE PROVIDED BY DEVELOPER AS SPECIFIED BY O.U.A.

TYPICAL TRENCH DETAIL

10/15	OUA #13
N.T.S.	NEWLINES

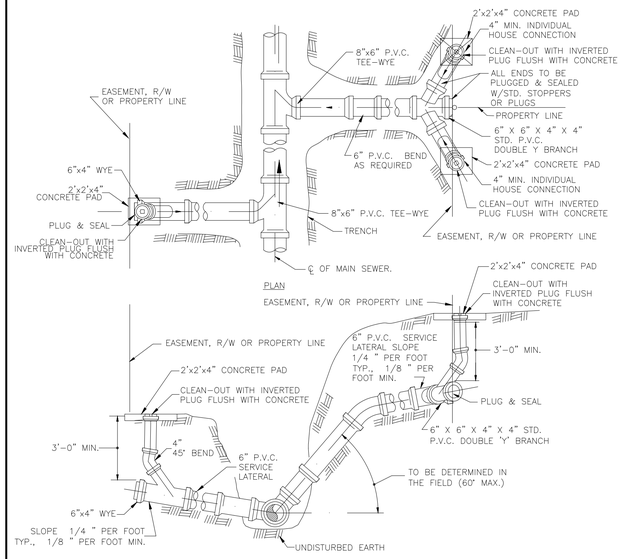


NOTES:

1. ALL PIPE AND FITTINGS SHALL BE CLASS 53 DUCTILE IRON CEMENT LINED.
2. MECHANICAL JOINT FITTINGS SHALL BE REQUIRED UNDERGROUND AND FLANGED FITTINGS FOR ABOVE GROUND USE.
3. PAINT THE ENTIRE ABOVE GROUND ASSEMBLY, IN ACCORDANCE WITH THE OUA STANDARDS. DO NOT PAINT OVER NAME/SERIAL PLATE OR BRASS FITTINGS.
4. CONTRACTOR TO INSTALL PIPE SUPPORTS AS NEEDED.
5. ONCE COMPLETED ACCEPTED AND PLACED INTO SERVICE, THE OUA WILL OWN AND MAINTAIN PIPING UP TO FIRST VALVE, PROPERTY OWNER TO OPERATE AND MAINTAIN FIRE LINE FROM THIS POINT.

FIRE LINE ASSEMBLY & DETECTOR CHECK VALVE

10/15	OUA #5
N.T.S.	NEWLINES

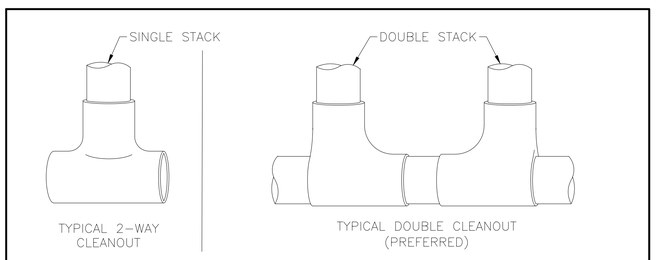


NOTES:

1. SERVICE LATERALS SHALL TERMINATE AT PROPERTY LINE AT A DEPTH OF 3 FEET, PLUGGED WATERTIGHT WITH CLEAN-OUT.
2. THE MINIMUM DIAMETER OF ALL SINGLE HOUSEHOLD CONNECTIONS SHALL BE 4"MINIMUM ALL OTHERS SHALL BE 6" AND ALL DOUBLE SERVICES
3. CONNECTION TO O.U.A. LATERAL SHALL BE MADE WITH A CLEAN-OUT AT PROPERTY LINE BY THE CONTRACTOR OR CUSTOMER MAKING THE CONNECTION, WITH A 2'x2'x4" CONCRETE PAD WITH A INVERTED PLUG, BOTH TO BE SET AT FINAL GRADE

TYPICAL SEWER SERVICE CONNECTION

10/15	OUA #31
N.T.S.	NEWLINES



DOUBLE CLEANOUT OR 2-WAY CLEANOUT

2/24	U#01
N.T.S.	NEWLINES

ALL CONCRETE TO BE CLASS 'B' 3500 PSI
(UNLESS OTHERWISE NOTED)

DATE	DESCRIPTION	ENGINEER	CAD
4/20/26	REVISED GRADING PER FDOT MODIFICATIONS	TL	PDC
1/08/26	REVISED PER WWTP SITE	TL	GL
8/29/23	REVISED PER CONTRACTOR COMMENTS	TL	PDC/JQ
8/2/23	REVISED WETLAND GRADIENT AND IMPERMEABLE BARRIERS COMMENTS	TL	PDC
7/5/23	REVISED PER SFWMD LETTER COMMENTS DATED 6/26/23	TL	PDC/CC
4/25/23	REVISED AS PER COUNTY LETTER DATED 4/25/23	SLD	JCS/AA

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

UTILITIES NOTES & DETAILS

PHASE 1 - COMMERCIAL AREAS

LOCATED IN SECTIONS 34&35, TOWNSHIPS 38&39 SOUTH, RANGE 34 EAST, GLADES COUNTY, FLORIDA

NEWLINES LAND CONSULTANTS

STEVEN L. DOBBS, P.E.

FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00029206

STEVEN L. DOBBS ENGINEERING, LLC

1062 JAKES WAY OKEECHOBEE, FL 34974, PHONE (863) 824-7644

PROJECT No.	21534
DRAWN BY	YB/MB
SCALE	NTS
DATE	4/28/2026
SHEET No.	18 OF 21

Z:\2021\21534-Steven Dobbs- Harvey Estates\CAD (2)\04-COMMERCIAL\1.1 SHUL AND MIKVAH\1.1 COMMERCIAL SHEET.DWG 2026-04-28