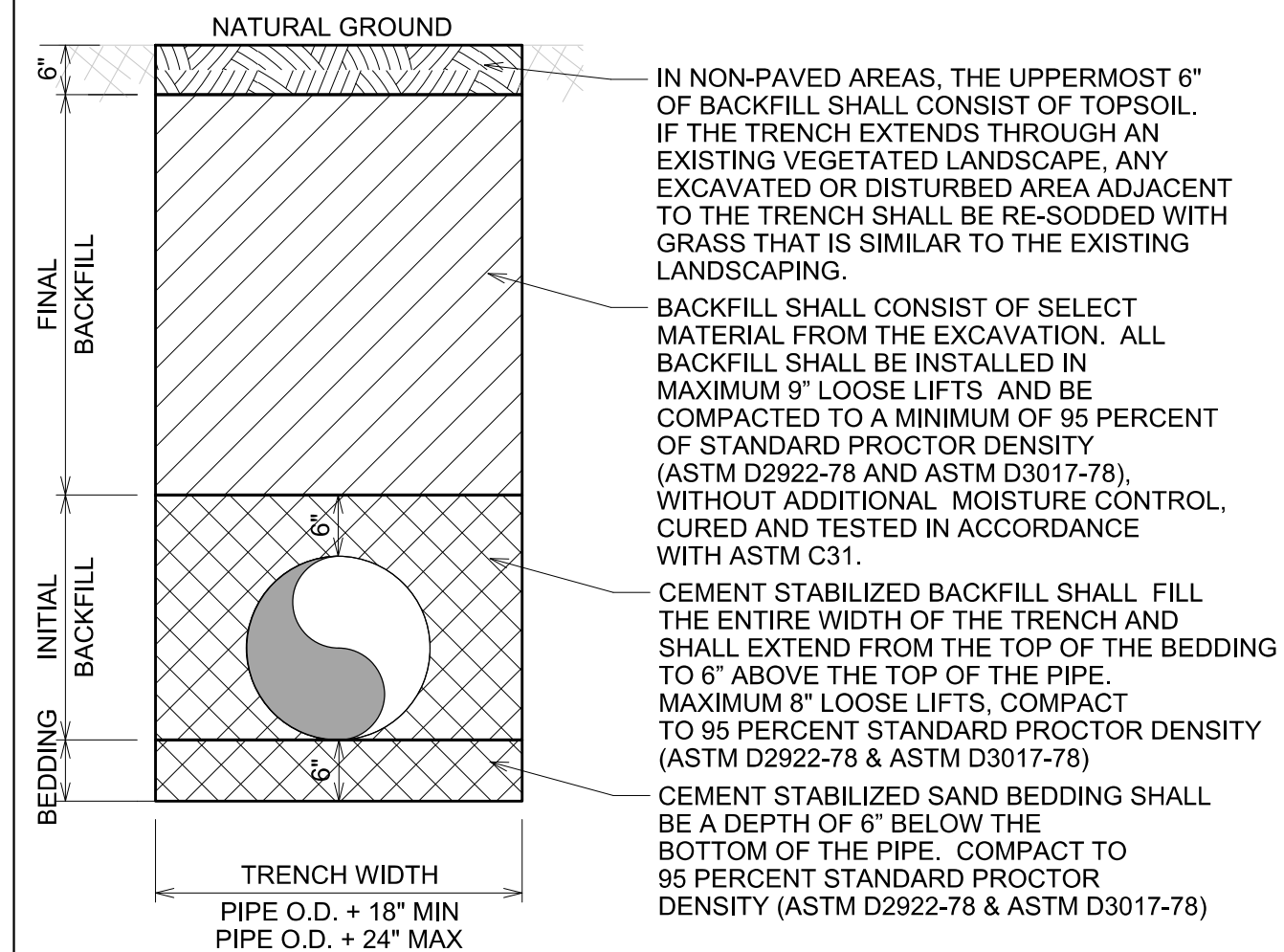


GENERAL NOTES

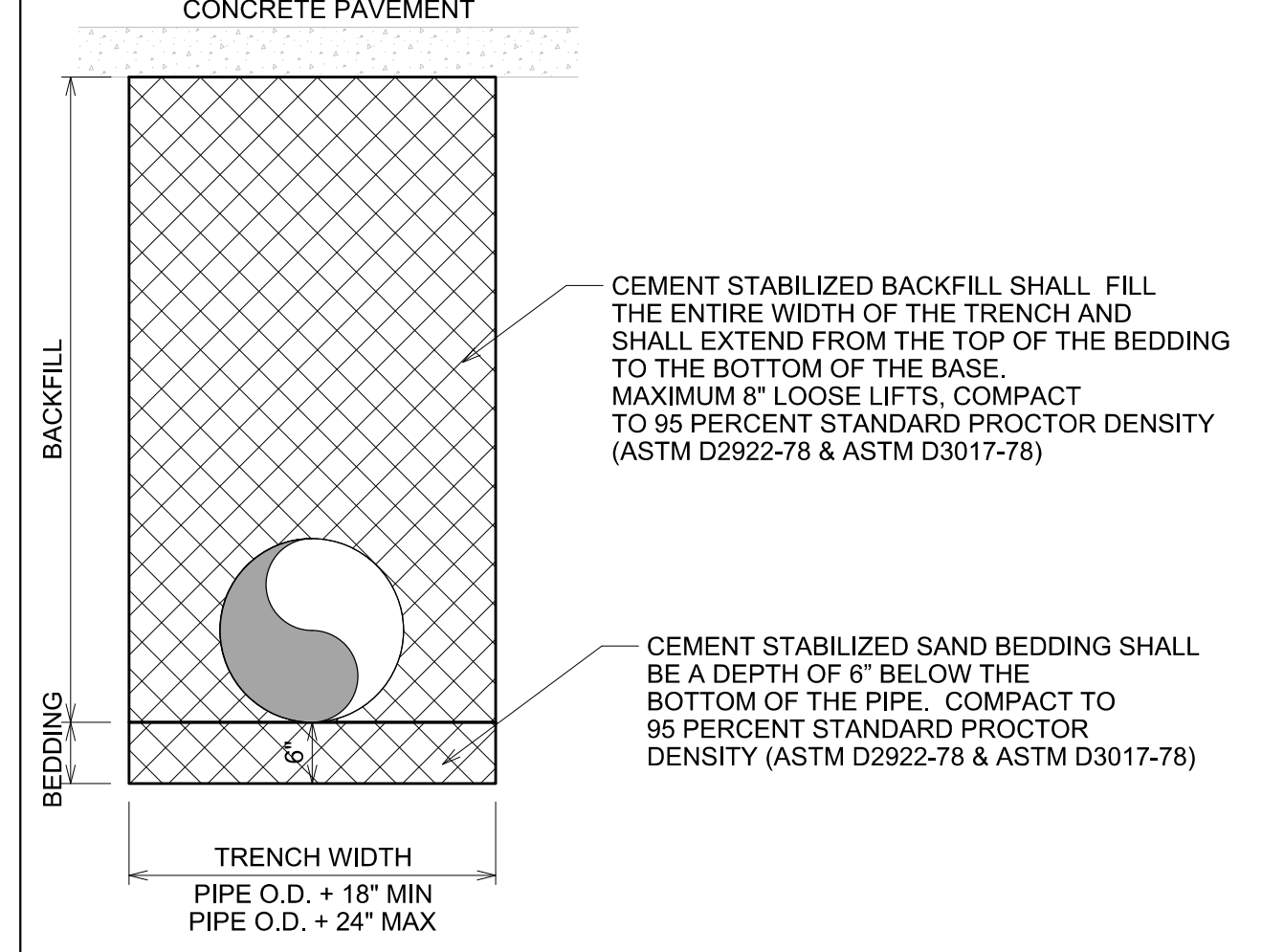
1. BEDDING AND INITIAL BACKFILL SHALL BE CEMENT STABILIZED SAND AND SHALL EXTEND FROM 6 INCHES BELOW THE PIPE TO 6 INCHES ABOVE THE PIPE. THE CEMENT STABILIZED SAND BACKFILL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - A. THE CEMENT SHALL BE PORTLAND CEMENT, TYPE I, ASTM C150.
 - B. THE SAND SHALL BE CLEAN, DURABLE SAND; LESS THAN 0.5% CLAY CLUMPS, ASTM C142; LESS THAN 0.5% LIGHTWEIGHT PIECES, ASTM C123; ORGANIC IMPURITIES, ASTM C40; NOT SHOWING A COLOR DARKER THAN STANDARD COLOR; AND PLASTICITY INDEX OF LESS THAN 6, ASTM D423 & ASTM D424.
 - C. CEMENT-SAND MIXTURE SHALL CONSIST OF AT LEAST 1.5 SACKS OF CEMENT PER TON OF SAND. MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI IN 48 HOURS, WHEN COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D2922-78 & ASTM D3017-78), WITHOUT ADDITIONAL MOISTURE CONTROL, CURED & TESTED IN ACCORDANCE WITH ASTM C31.
 - D. CEMENT STABILIZED SAND SHALL BE PLACED & COMPACTED WITHIN 3 HOURS OF BATCHING.



STORM SEWER BEDDING & BACKFILL FOR HDPE PIPE (NON-PAVED AREAS)	STANDARD CONSTRUCTION DETAILS	
	DATE: 07/20/21	REVISED DATE: 07/20/21
	BBF - 7	

GENERAL NOTES

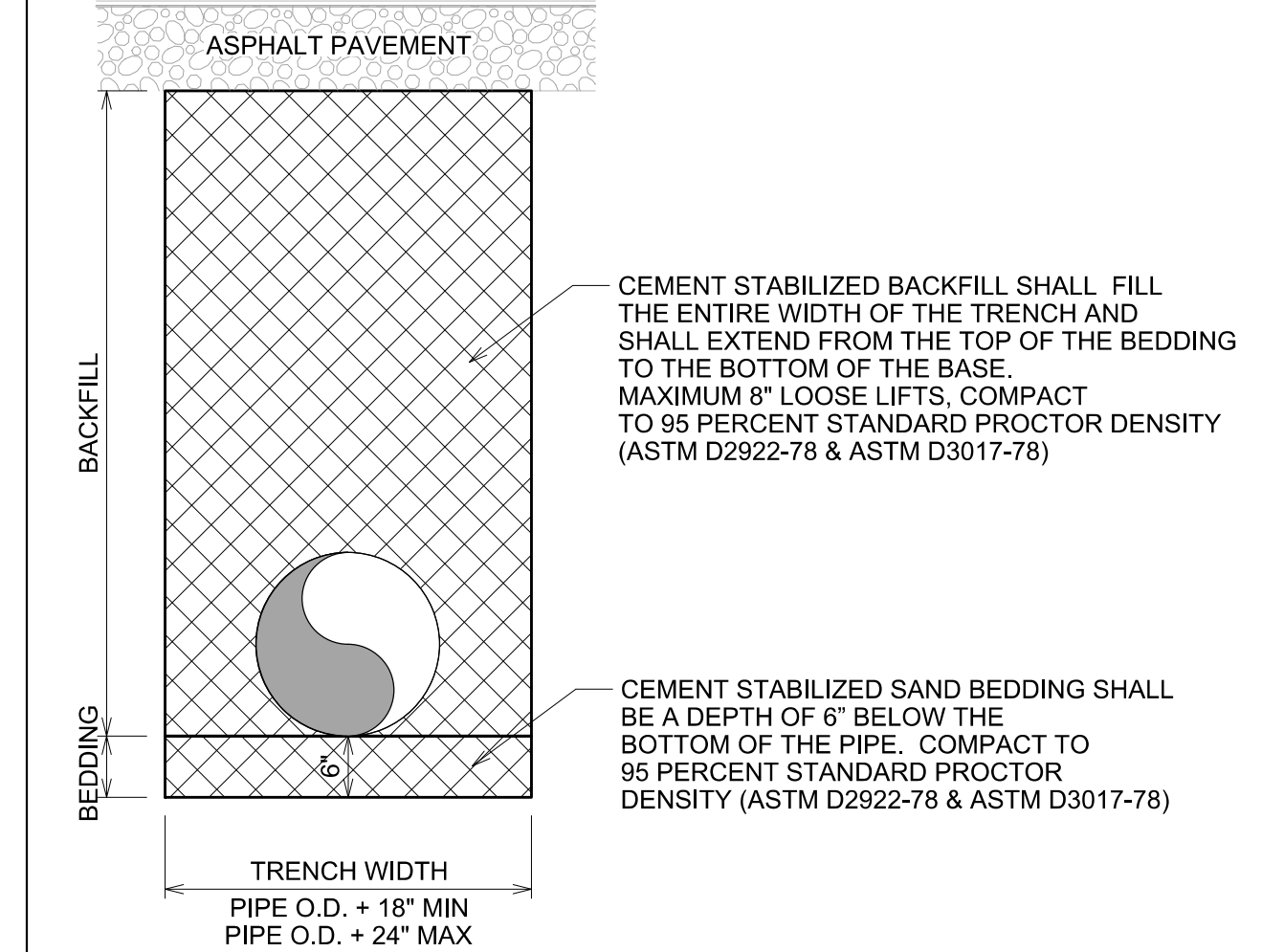
1. UNDER CONCRETE PAVING, BEDDING AND BACKFILL SHALL BE CEMENT STABILIZED SAND AND SHALL EXTEND FROM 6 INCHES BELOW THE PIPE TO THE BOTTOM OF THE BASE SECTION. THE CEMENT STABILIZED SAND BACKFILL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - A. THE CEMENT SHALL BE PORTLAND CEMENT, TYPE I, ASTM C150.
 - B. THE SAND SHALL BE CLEAN, DURABLE SAND; LESS THAN 0.5% CLAY CLUMPS, ASTM C142; LESS THAN 0.5% LIGHTWEIGHT PIECES, ASTM C123; ORGANIC IMPURITIES, ASTM C40; NOT SHOWING A COLOR DARKER THAN STANDARD COLOR; AND PLASTICITY INDEX OF LESS THAN 6, ASTM D423 & ASTM D424.
 - C. CEMENT-SAND MIXTURE SHALL CONSIST OF AT LEAST 1.5 SACKS OF CEMENT PER TON OF SAND. MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI IN 48 HOURS, WHEN COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D2922-78 & ASTM D3017-78), WITHOUT ADDITIONAL MOISTURE CONTROL, CURED & TESTED IN ACCORDANCE WITH ASTM C31.
 - D. CEMENT STABILIZED SAND SHALL BE PLACED & COMPACTED WITHIN 3 HOURS OF BATCHING.



STORM SEWER BEDDING & BACKFILL FOR HDPE PIPE (CONCRETE PAVED AREAS)	STANDARD CONSTRUCTION DETAILS	
	DATE: 07/20/21	REVISED DATE: 07/20/21
	BBF - 8	

GENERAL NOTES

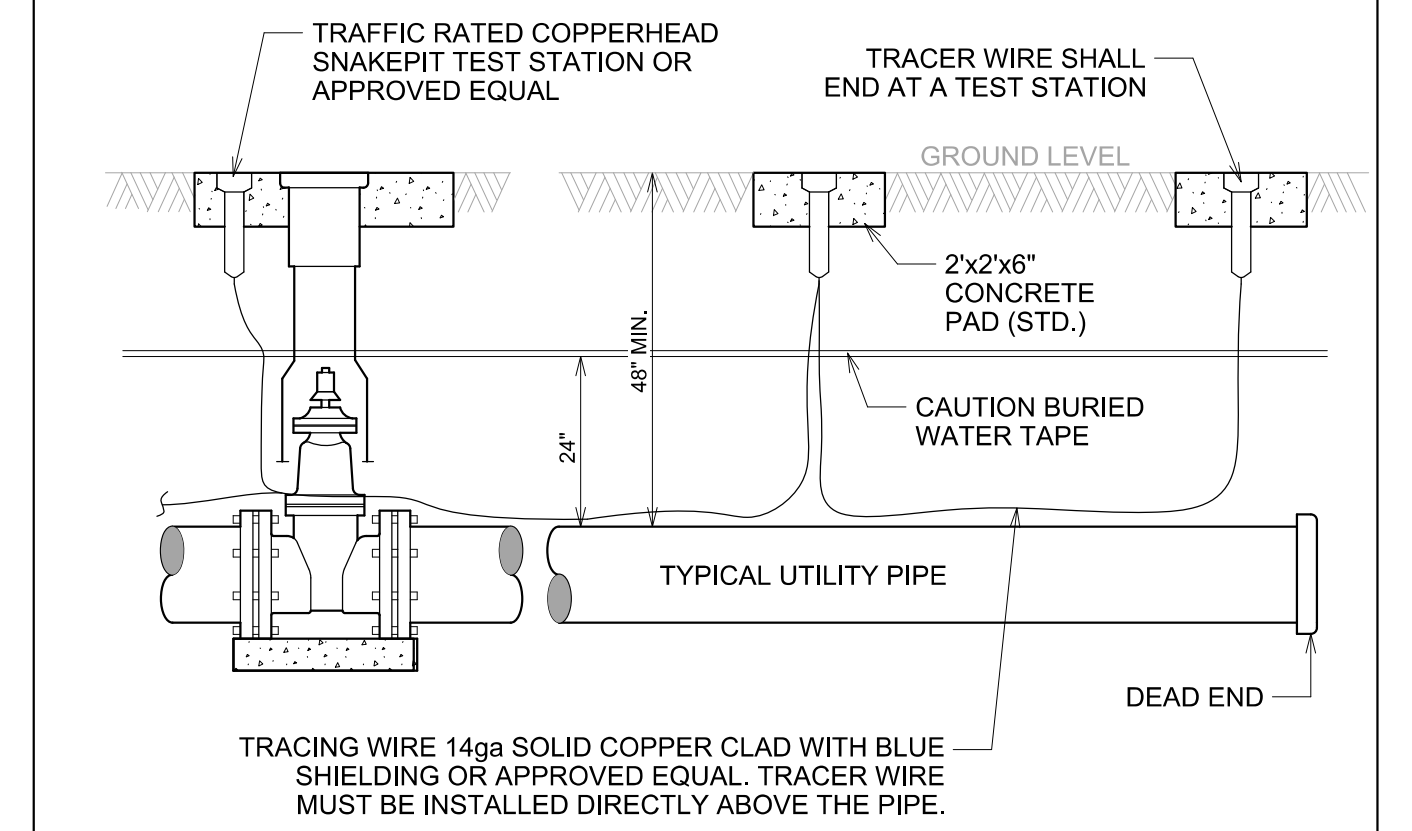
1. UNDER ASPHALT PAVING, BEDDING AND BACKFILL SHALL BE CEMENT STABILIZED SAND AND SHALL EXTEND FROM 6 INCHES BELOW THE PIPE TO THE BOTTOM OF THE BASE SECTION. THE CEMENT STABILIZED SAND BACKFILL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - A. THE CEMENT SHALL BE PORTLAND CEMENT, TYPE I, ASTM C150.
 - B. THE SAND SHALL BE CLEAN, DURABLE SAND; LESS THAN 0.5% CLAY CLUMPS, ASTM C142; LESS THAN 0.5% LIGHTWEIGHT PIECES, ASTM C123; ORGANIC IMPURITIES, ASTM C40; NOT SHOWING A COLOR DARKER THAN STANDARD COLOR; AND PLASTICITY INDEX OF LESS THAN 6, ASTM D423 & ASTM D424.
 - C. CEMENT-SAND MIXTURE SHALL CONSIST OF AT LEAST 1.5 SACKS OF CEMENT PER TON OF SAND. MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI IN 48 HOURS, WHEN COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D2922-78 & ASTM D3017-78), WITHOUT ADDITIONAL MOISTURE CONTROL, CURED & TESTED IN ACCORDANCE WITH ASTM C31.
 - D. CEMENT STABILIZED SAND SHALL BE PLACED & COMPACTED WITHIN 3 HOURS OF BATCHING.



STORM SEWER BEDDING & BACKFILL FOR HDPE PIPE (ASPHALT PAVED AREAS)	STANDARD CONSTRUCTION DETAILS	
	DATE: 07/20/21	REVISED DATE: 07/20/21
	BBF - 9	

GENERAL NOTES

1. A CONTINUOUS TRACER WIRE, SUCH AS A SOLID 14-GUAGE COPPER CLAD WIRE WITH BLUE SHIELDING OR APPROVED EQUAL, SHALL BE AFFIXED TO THE TOP OF THE NEW WASTEWATER MAIN PRIOR TO BURY AND SHALL HAVE A SNAKE PIT TRACER STATION INSTALLED AT A MAXIMUM OF 500 FEET.
2. THE TRACER STATION SHALL HAVE A 2' X 2' CONCRETE PAD AROUND IT AND SHALL BE SHOWN ON THE PLANS.
3. TRACER WIRE SHALL BE CONNECTED TO ALL WATER METER ANGLE STOPS, FIRE HYDRANTS, AND VALVE BOX RISERS. WIRE SPLICES SHALL BE COMPLETED USING APPROVED, UNDERGROUND CONNECTORS. SOLDERED CONNECTIONS ARE NOT PERMITTED. A CONTINUITY TEST SHALL BE COMPLETED PRIOR TO ACCEPTANCE.



PIPE LOCATION MARKING (ALL UTILITIES)	STANDARD CONSTRUCTION DETAILS	
	DATE: 07/20/21	REVISED DATE: 07/20/21
	BBF - 10	