

CLASS "E" BACKFILL
UTILITY TRENCHES 6' WIDTH OR LESS
UNDER PAVEMENT OR IN R/W
(ENCROACHMENT PERMITS ONLY)

PAVEMENT STRUCTURAL SECTION ON ENCROACHMENT PROJECTS:

1. REPLACE PAVEMENT STRUCTURAL SECTION AS FOLLOWS:

72 HOURS AFTER TRENCH IS BACKFILLED. (MAY BE REDUCED TO 48 HOURS WITH CERTAIN CURING AGENTS AND APPROVAL OF CITY ENGINEER).

ASPHALT: EXISTING THICKNESS, BUT NOT LESS THAN 3"

CONCRETE: EXISTING THICKNESS, BUT NOT LESS THAN 6"

2. TRENCHES SHALL BE BACKFILLED TO WITHIN 3" OF THE TOP OF THE TRENCH (OR EXISTING THICKNESS OF ASPHALT) & COVERED BY NOMINAL 1" STEEL PLATES. LENGTH & WIDTH OF PLATES TO BE USED ARE 5'x10' UNLESS OTHERWISE SPECIFIED.

PLATE/PAVEMENT OVERLAP SHALL BE A MINIMUM OF 1 FOOT. SEAL EDGES OF THE PLATE WITH A COLD MIX. PLATES ARE TO REMAIN IN PLACE FOR 24 HOUR MINIMUM OR AS APPROVED BY THE CITY ENGINEER.

NOTES:

CONTROL OF COMPACTION:

VISUAL INSPECTION

CONTROLLED LOW STRENGTH MATERIALS:

SEE CURRENT APWA/ODOT SPECS 00422

TACK COAT MATERIAL

ASPHALTS (EMULSIFIED) RS-1, CRS-1, CSS-1

SAND SEAL

RS-1, RS-2, CRS-1, CRS-2

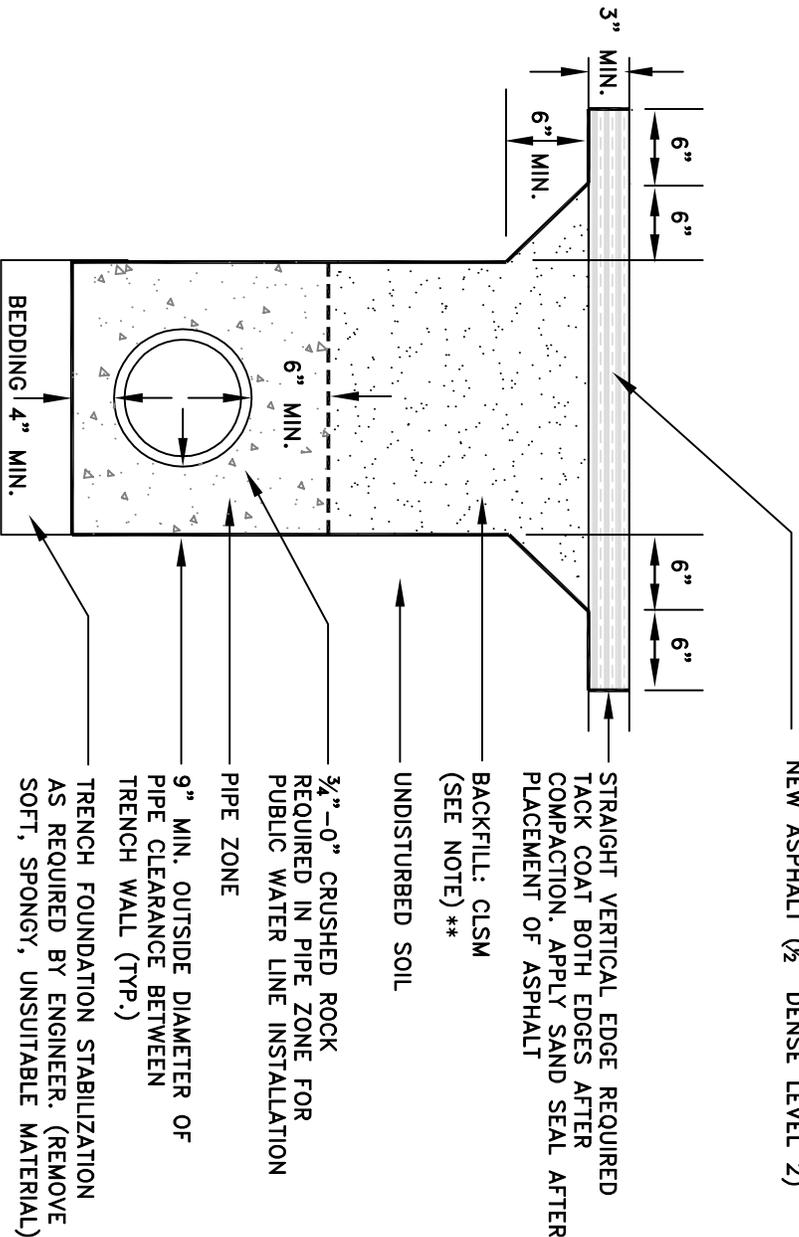
SAND

AGGREGATE: #8 - #200

AGGREGATE: 10-15 LBS.

ASPHALT: .10 - .15 GAL.

ALL PAVEMENT CUTS, EXCAVATION, BEDDING, LAYING AND JOINING OF PIPE, BACKFILL, AND PAVEMENT REPLACEMENT SHALL COMPLY WITH THE CURRENT ODOT/APWA "STANDARD SPECIFICATIONS FOR CONSTRUCTION"



NEW ASPHALT (1/2" DENSE LEVEL 2)

STRAIGHT VERTICAL EDGE REQUIRED TACK COAT BOTH EDGES AFTER COMPACTION. APPLY SAND SEAL AFTER PLACEMENT OF ASPHALT

BACKFILL: CLSM (SEE NOTE) **

UNDISTURBED SOIL

3/4"-0" CRUSHED ROCK REQUIRED IN PIPE ZONE FOR PUBLIC WATER LINE INSTALLATION

PIPE ZONE

9" MIN. OUTSIDE DIAMETER OF PIPE CLEARANCE BETWEEN TRENCH WALL (TYP.)

TRENCH FOUNDATION STABILIZATION AS REQUIRED BY ENGINEER. (REMOVE SOFT, SPONGY, UNSUITABLE MATERIAL)

** MAXIMUM AASHTO T99 METHOD D DENSITY

NO.	DATE	INITIAL	REVISIONS	SCALE:	DWG. NO.
3	12/04	FMS	STD DWG UPDATE	NONE	107-A
4	10/09	GLV	STD DWG UPDATE		
5	11/10	GLV	Change CDF to CLSM		

DESIGN: STAFF

DRAWN BY: FMS

APPROVED: RJS

CITY OF GRANTS PASS ENGINEERING DIVISION

UTILITY TRENCHES (ENCROACHMENT PERMITS)