PAY WIDTH PAVEMENT REPLACEMENT

PAYMENT REPLACEMENT PAY AREA
AT MANHOLES = 8 FT DIAMETER CIRCLE
TOPSOIL IS NOT ALLOWED
UNDER PAVEMENT, SIDEWALK,
ROAD, OR BUILDING;
NO STONE LARGER THAN 5" IN ANY
DIMENSION;
COMPACTED IN 24" MAXIMUM Lifts
NO STONE LARGER THAN 1" IN
ANY DIMENSION;
COMPACTED IN 6" Lifts
PLACE AND COMPACT UNDER
PIPE TO PROVIDE SIDE
SUPPORT. AVOID
DISPLACEMENT OF PIPE FROM
PROPER ALIGNMENT.
INSTALL & SHAPE TO
PROVIDE CONTINUOUS PIPE
SUPPORT AT HORIZONTAL &
VERTICAL ALIGNMENT SHOWN
ON PLANS; WHERE ROCK IS
ENCOUNTERED IN THE TRENCH
BOTTOM IT SHALL BE EXCAVATED TO
A MINIMUM OF 6" BELOW THE PIPE.

LAYING CONDITION | BEDDING | HAUNCHING | INITIAL BACKFILL | REMAINING BACKFILL
--- | --- | --- | --- | ---
1 | CONCRETE ENCASEMENT (SEE CITY STANDARD DETAIL) | | | |
2 | CRA #68 CRA #68 CRA #68 | | #21A AGGREGATE |
3 | CRA #68 CRA #68 CRA #68 | | LM (85% NO LOAD - 95% LIVE LOAD) |
4 | CRA #68 CRA #68 SLM (95%) | | LM (85% NO LOAD - 95% LIVE LOAD) |
5" | SH (95%) (REFER TO LAYING CONDITION 6 OR 7) | | | |
6" | CRA #68 CRA #68 SLM (95%) | | LM (85% NO LOAD - 95% LIVE LOAD) | #21A AGGREGATE
7" | CRA #68 CRA #68 SLM (95%) | | | |

* CLAY CUTOFF DAMS ARE REQUIRED EVERY 400' OR AS DIRECTED BY THE CITY UTILITY INSPECTOR. CUTOFF DAM MUST BE FULL TRENCH DEPTH AND MINIMUM 2 FEET THICK.

PIPE TRENCH APPLICATIONS:
- DUCTILE IRON WATER PIPE
- DUCTILE IRON WATER PIPE IN EXISTING PAVEMENT
- DUCTILE IRON WATER PIPE WITH ROCK UNDERCUT
- DUCTILE IRON SEWER PIPE
- DUCTILE IRON SEWER PIPE IN EXISTING PAVEMENT
- PVC SEWER PIPE
- PVC SEWER PIPE IN EXISTING PAVEMENT

NOTES:
A) COMPACTION SHOWN IN PARENTHESES SHALL BE DETERMINED BY ASTM D 698
B) MINIMUM SPECIFICATION: TRENCHES UNDER PAVEMENTS, SIDEWALKS, ROADS,
& BUILDINGS SHALL BE COMPACTED TO 95% DENSITY AS DETERMINED BY
ASTM D 698, 6 INCH MAXIMUM Lifts.
C) IF NOT SPECIFIED OTHERWISE, MINIMUM COMPACTION SHALL BE BY ROLLING
WITH EARTH-MOVING EQUIPMENT.
D) CRA SHALL BE VIBRATED USING A PLATE VIBRATOR OR SIMILAR EQUIPMENT
TO REDUCE VOIDS AND LIMIT SETTLEMENT.

DESIGNATION | DESCRIPTION OF BACKFILL MATERIALS
--- | ---
CRA | COARSE AGGREGATE: VDOT SIZE AS SHOWN IN PARENTHESES
SLM | SELECT LOCAL MATERIAL: FREE OF DEBRIS, ROOTS, FROZEN
MATERIALS, ORGANIC MATTER, STONES GREATER THAN 1" DIAMETER,
UNIFIED SOILS CLASSIFICATION: MLCLMHCH
LM | LOCAL MATERIALS: FREE OF STONES GREATER THAN 5" DIAMETER AND
FOREIGN MATERIALS.
SH | WHERE USED AS BEDDING FOR ROCK UNDERCUT, USE MATERIAL WITH
SOME PLASTIC TENDENCIES SUCH AS SEAL ROCK FISSURES, SUCH AS
SHALE-CLAY MIX.

REVISIONS

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