

NOTE: MAX. LENGTH OF PIPE CONNECTION SHALL BE 2'-0" (V.C.P. R.C.P.) D.I.P. MAY BE FULL LENGTH PIECES

SANITARY SEWER
FLEXIBLE GASKET
NOT TO SCALE

SEWER INSTALLATION NOTES:

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE INSTALLING ANY PROPOSED MANHOLES OR CONDUIT. ANY ADJUSTMENTS NEEDED SHALL BE APPROVED BY THE ENGINEER.

2. ALL NEWLY CONSTRUCTED SEWERS MUST BE TELEVISED AND MANDREL TESTED.

3. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

4. THE CONTRACTOR SHALL FIELD VERIFY THE INVERTS OF ALL EXISTING SEWERS WHICH CONNECT WITH THE PROPOSED SEWER. ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS WILL BE NOTED AND THE INFORMATION PROVIDED TO THE ENGINEER BEFORE MATERIALS ARE ORDERED.

THE SANITARY SEWER RIM ELEVATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY FINISH GROUND ELEVATIONS DURING CONSTRUCTION. SANITARY SEWER RIMS SHALL BE FLUSH WITH PAVEMENT AND 6" ABOVE FINISH GROUND ELEVATION IN LAWN AREAS.

 ALL NEW CONDUITS AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE VILLAGE.

7. THE COST OF REMOVING THE EXISTING PAVEMENT AND DRIVEWAYS TO INSTALL THE NEW SANITARY SEWER AND MANHOLES SHALL BE INCLUDED IN THE BID PRICE FOR EACH ITEM OF PIPE WORK. REMOVAL OF THESE ITEMS OR SIMILAR STRUCTURES SHALL NOT BE A SEPARATE PAY ITEM.

SANITARY SEWER PIPE SHALL BE PVC AND MEET THE REQUIREMENTS OF ASTM D 3034 OR ASTM

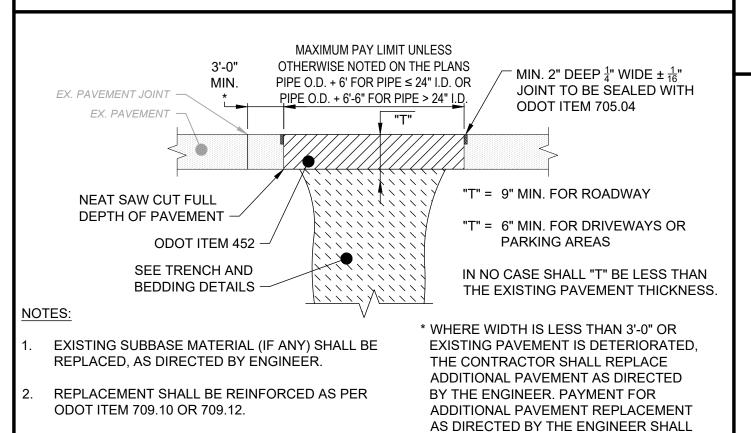
9. MANHOLE VACUUM TESTING SHALL MEET THE REQUIREMENTS OF ASTM C 1244 AND TECHNICAL SPECIFICATIONS 013319: FIELD TEST REPORTING.

0. SEWER DEFLECTION PIPE TESTING SHALL MEET THE REQUIREMENTS OF ASTM D 2321-89 AND TECHNICAL SPECIFICATIONS 013319: FIELD TEST REPORTING.

 LOW PRESSURE AIR (LEAKAGE) SEWER PIPE TESTING SHALL MEET THE REQUIREMENTS OF ASTM F 679 AND TECHNICAL SPECIFICATIONS 013319: FIELD TEST REPORTING.

2. THE CONTRACTOR SHALL MAINTAIN THE EXISTING SANITARY SEWER FLOW AT ALL TIMES VIA BY-PASS PUMPING INTO THE NEAREST MANHOLE OR OTHER TEMPORARY MEASURES AS APPROVED BY THE ENGINEER. COST INCLUDED IN UNIT PRICES BID FOR ALL ITEMS OF THE PROPOSAL.

3. CONNECT EXISTING SEWER LINES TO PROPOSED MANHOLES, WHERE APPLICABLE, BY REPLACING A MINIMUM LENGTH OF 5 LINEAL FEET OF THE EXISTING PIPE, MATCHING THE EXISTING DIAMETER, WITH NEW PVC SEWER. CONNECT TO PROPOSED MANHOLE WITH FLEXIBLE GASKET. CONNECTIONS SHALL NOT BE MADE AT AN EXISTING JOINT.

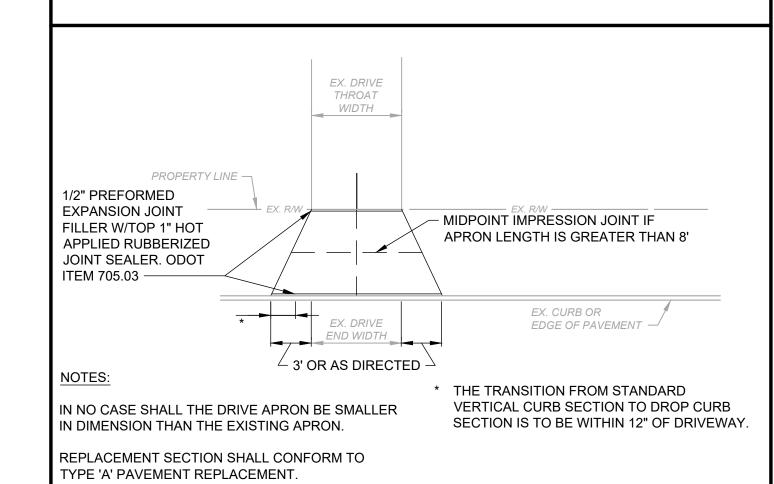


TYPE 'A' PAVEMENT REPLACEMENT NOT TO SCALE

BE AT THE SAME UNIT PRICE BID.

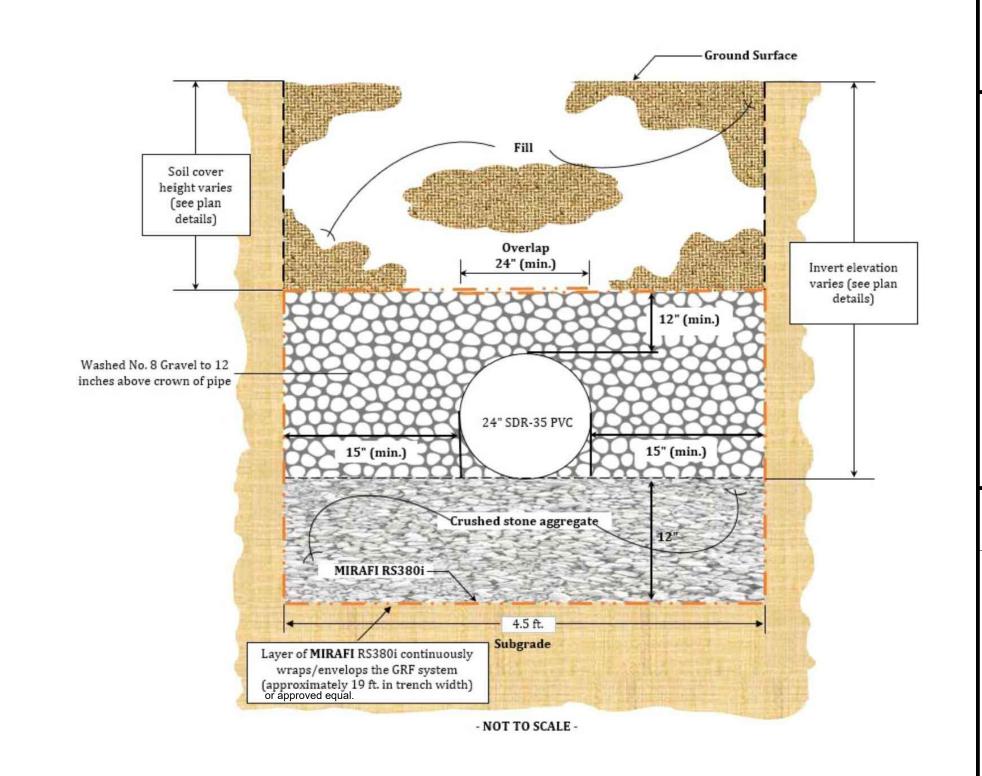
IF EXISTING PAVEMENT IS REINFORCED, 5/8"Ø

HOOKBOLT @ 30" O.C. SHALL BE REQUIRED.

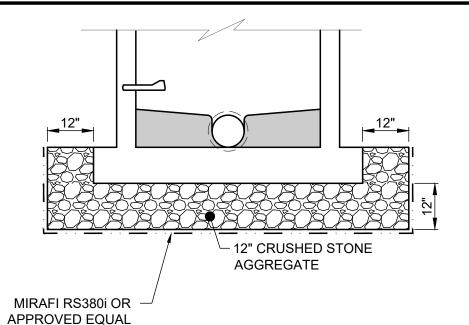


DRIVEWAY APPROACH DETAIL

NOT TO SCALE

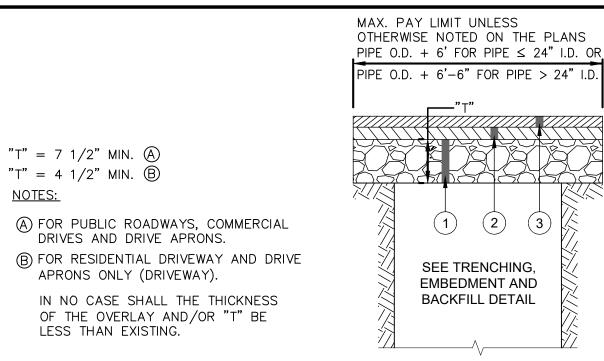


TRENCH AND BEDDING DETAIL ALL ITEMS ARE INCIDENTAL TO THE PRICE OF PIPE



MANHOLE BEDDING DETAIL

ALL ITEMS ARE INCIDENTAL TO THE PRICE OF MANHOLE



NOTE

 THIS DETAIL SHALL BE UTILIZED FOR REPLACING/RESURFACING OF ANY ASPHALT PAVEMENT SURFACES AS PART OF THE PROPOSED IMPROVEMENTS.

 EXISTING SUBBASE MATERIAL (IF ANY) SHALL BE REPLACED, AS DIRECTED BY ENGINEER.

3. CONTRACTOR TO MAINTAIN EX. ROAD/DRIVEWAY WIDTH AND CROSS-SLOPE.

4. FOR RESURFACING AREAS, ONLY THE SURFACE COURSE IS TO BE INSTALLED AFTER MILLING THE SPECIFIED DEPTH.

TYPE "C" ASPHALT PAVEMENT REPLACEMENT DETAIL

SECTION

(1) ODOT 301 ASPHALT CONCRETE BASE

3 1-1/4" ODOT 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22

NOT TO SCALE

2 1-3/4" ODOT 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22

VILLAGE OF HAR

WAIN TRUNK SAN
SEWER REPLACE
STARK COUNTY

CONSTRUCTION DET,

SHEET NAME

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