

THE VILLAGE OF ARCANUM, OHIO
"CONSTRUCTION STANDARD DETAILS"

VILLAGE OF ARCANUM
104 WEST SOUTH STREET
ARCANUM, OHIO 45304
(937) 692-8500

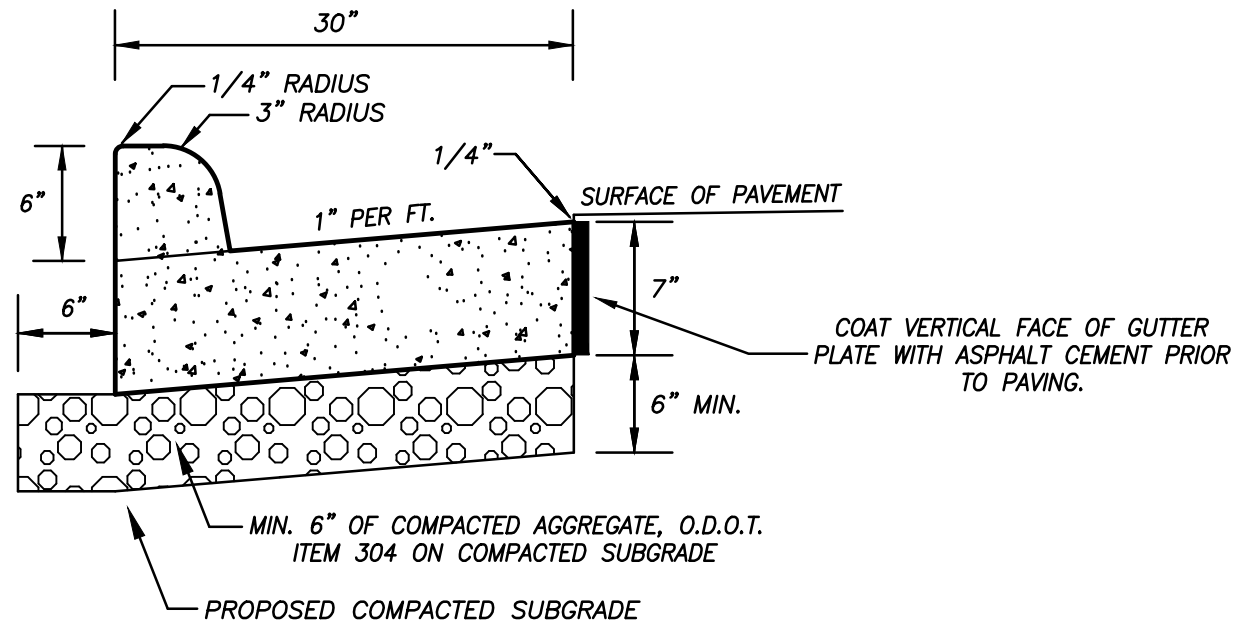
 *Mote & Associates, Inc.*
ENGINEERING, LAND SURVEYING

214 WEST FOURTH STREET
GREENVILLE, OHIO 45331
(937) 548-7511

NOTES:

1. CONCRETE SHALL BE ODOT CLASS C (4000 PSI, 600 LB/CY OF CEMENT.)
2. CONCRETE SHALL CONTAIN 6% \pm 1% OF TOTAL AIR.
3. THE GUTTER PLATE THICKNESS SHALL BE A MINIMUM OF 7". THE VILLAGE RESERVES THE RIGHT TO REQUIRE A GREATER THICKNESS WHEN DEEMED NECESSARY.

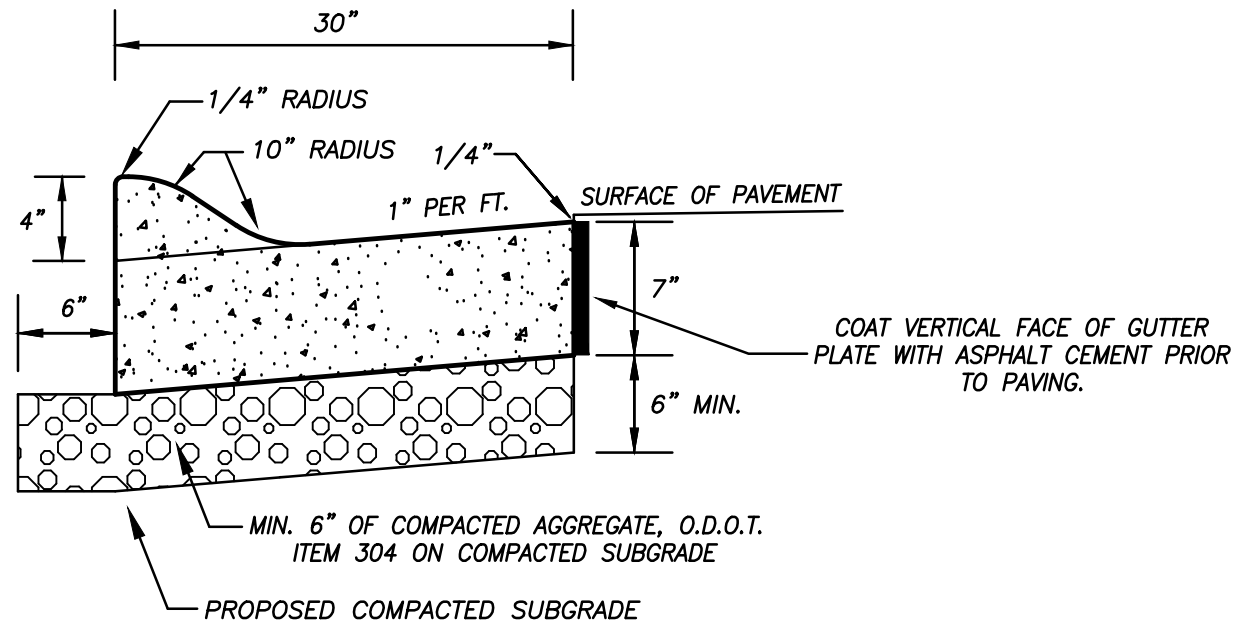
CONTRACTION JOINTS SHALL BE INSTALLED EVERY 10'
EXPANSION JOINTS SHALL BE INSTALLED EVERY 100'



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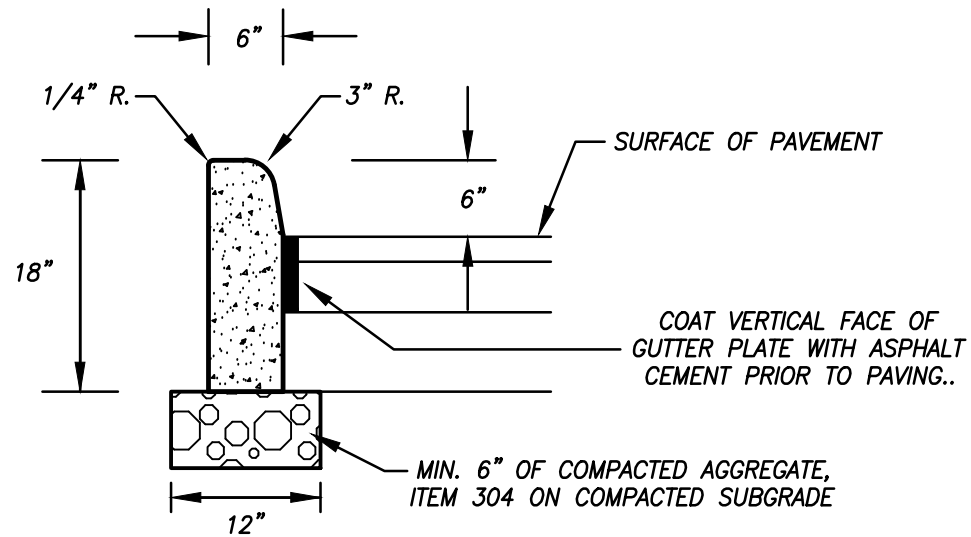
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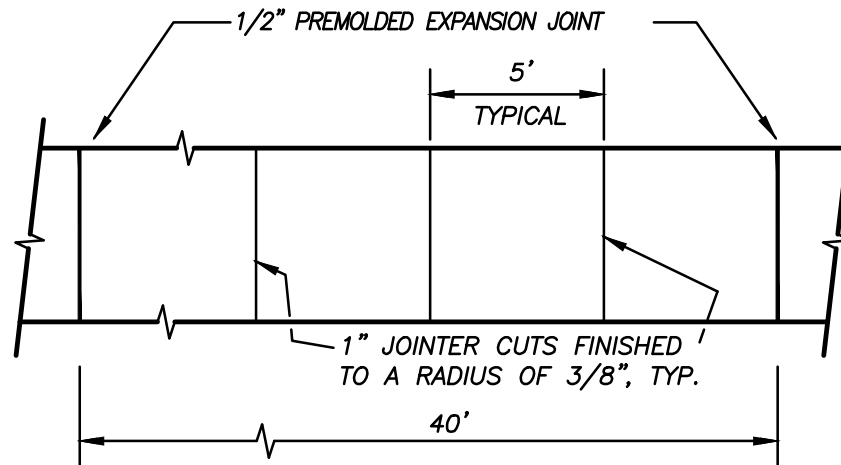


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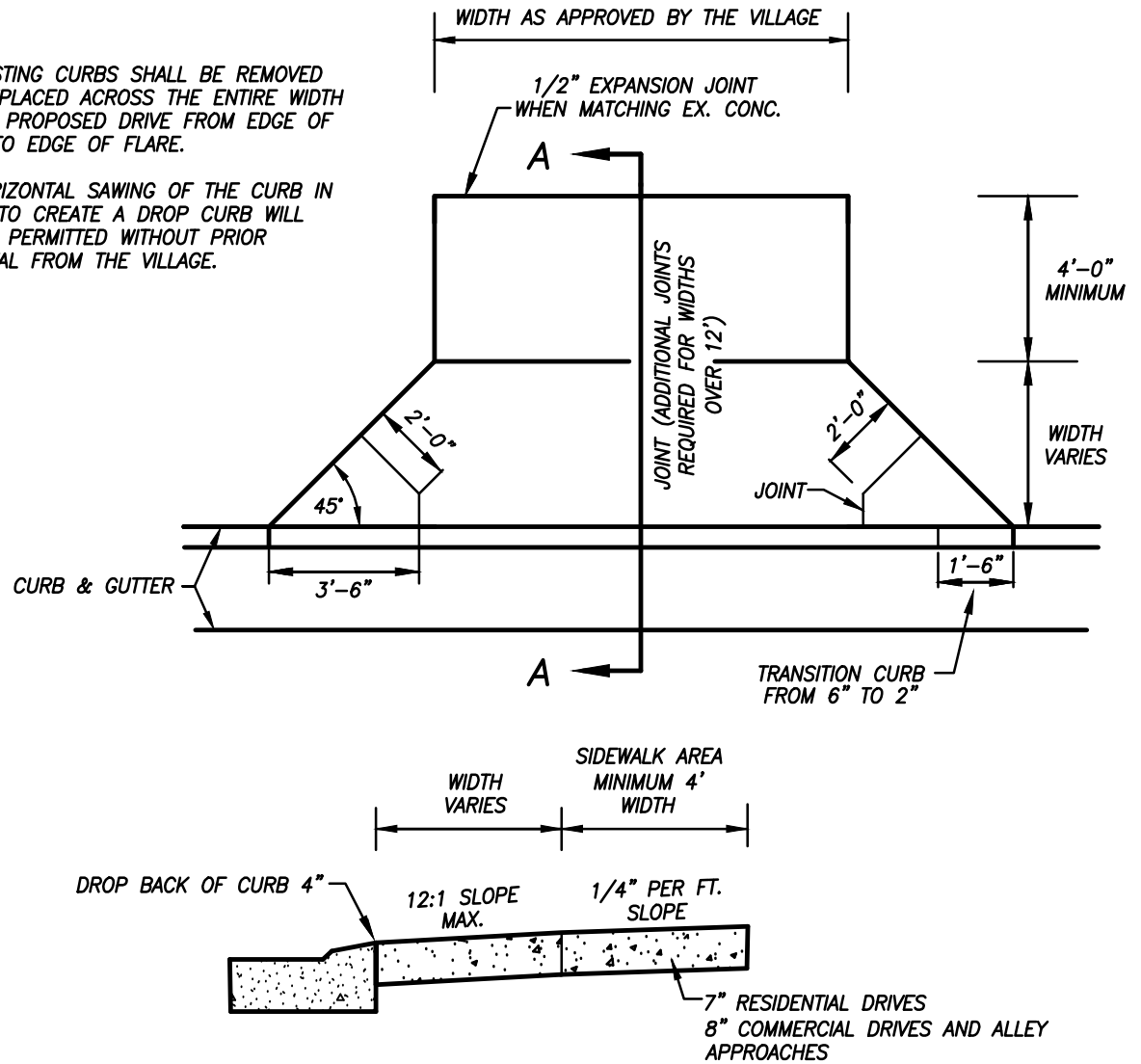
NOTES:

1. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES.
2. CONCRETE SHALL CONFORM TO O.D.O.T. ITEMS 499 AND 511.
3. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED WITH A MINIMUM THICKNESS OF 4".
4. PROVIDE A MINIMUM OF 2" EDGING AROUND ALL EXPOSED SURFACES.
5. PROVIDE A MINIMUM OF 3" OF COMPACTED AGGREGATE BASE (O.D.O.T. 304) UNDER ALL SIDEWALKS.
6. PERFORM SUBGRADE COMPACTION ON THE AREA UNDER THE PROPOSED SIDEWALK.
7. INSTALL 1/2" EXPANSION JOINTS EVERY 40' AND BETWEEN NEW AND EXISTING WALKS.
8. CONCRETE REINFORCEMENT SHALL BE AS DIRECTED BY VILLAGE.

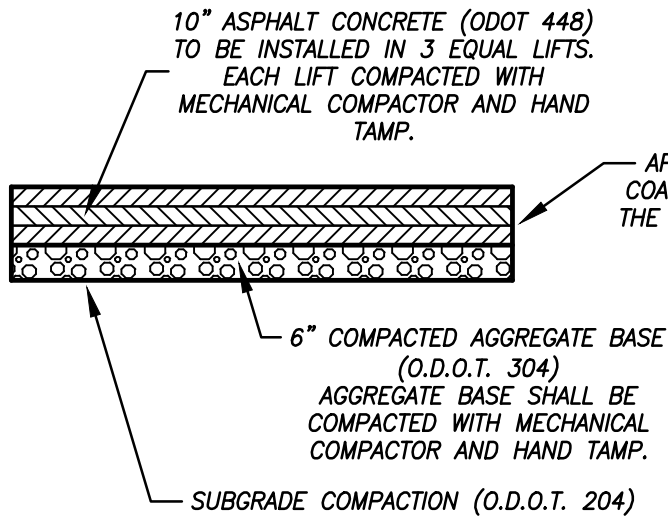
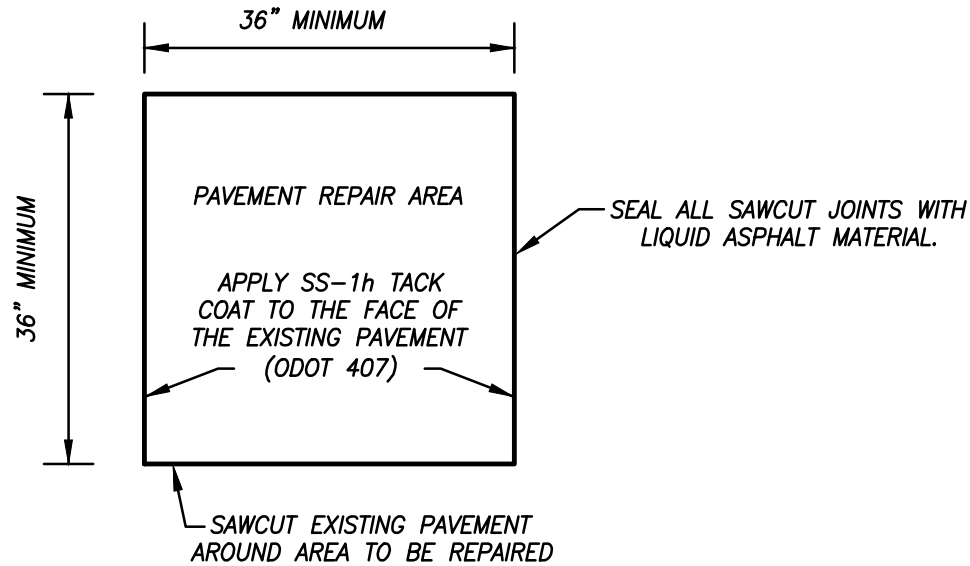
NOTES:

1. DRIVE APPROACHES SHALL MEET THE REQUIREMENTS OF ODOT ITEM 452 AND 499 CAST IN PLACE CONCRETE.
2. DRIVE APPROACHES SHALL NOT BE POURED MONOLITHICALLY WITH CURB.
3. MAXIMUM JOINT SPACING SHALL BE 10' LONGITUDINALLY AND TRANSVERSELY WITH JOINTS AT THE TAPERS.
4. EXPANSION MATERIAL SHALL BE 1/2" PREMOLDED.
5. 4" OF GRAVEL SHALL BE PLACED UNDER THE DRIVE APPROACH.
6. PROVIDE BROOM FINISH AND EDGE TO ALL EXPOSED SURFACES.
7. JOINTS SHALL BE CLEANED AND EDGED BY A 1/4" RADIUS EDGER. LONGITUDINAL JOINTS SHALL BE AS DIRECTED BY THE VILLAGE. EXPANSION JOINTS SHALL BE A MINIMUM OF 1/2" IN WIDTH.
8. MINIMUM AND MAXIMUM WIDTH FOR DRIVE SHALL BE AS DETERMINED BY THE VILLAGE.
9. CONCRETE SHALL BE ODOT CLASS C (4000 PSI, 600 LB/CY OF CEMENT.)
10. CONCRETE SHALL CONTAIN 6% ±1% OF TOTAL AIR.
11. IF THE CURB IS REMOVED AND REPLACED DURING THE DRIVEWAY CONSTRUCTION, JOINTS BETWEEN THE EXISTING AND THE NEW CURB ARE TO BE 1/2" EXPANSION JOINTS.
12. WHEN AND WHERE NECESSARY, THE VILLAGE MAY REQUIRE THAT THE DRIVE BE CONSTRUCTED WITH REINFORCING STEEL.

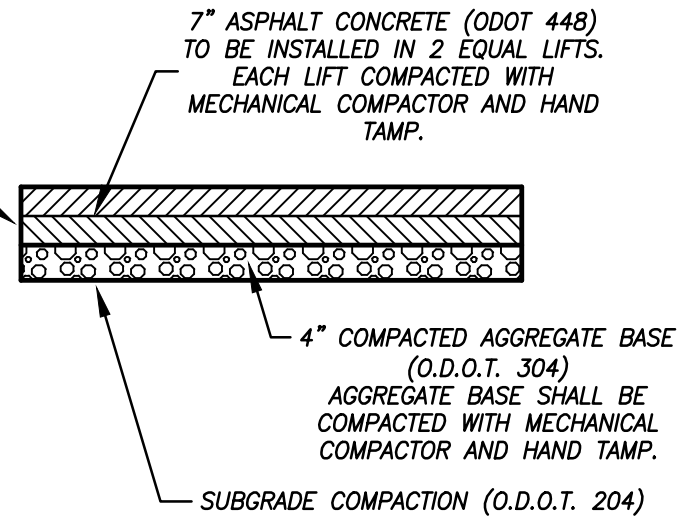
13. EXISTING CURBS SHALL BE REMOVED AND REPLACED ACROSS THE ENTIRE WIDTH OF THE PROPOSED DRIVE FROM EDGE OF FLARE TO EDGE OF FLARE.
14. HORIZONTAL SAWING OF THE CURB IN ORDER TO CREATE A DROP CURB WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL FROM THE VILLAGE.



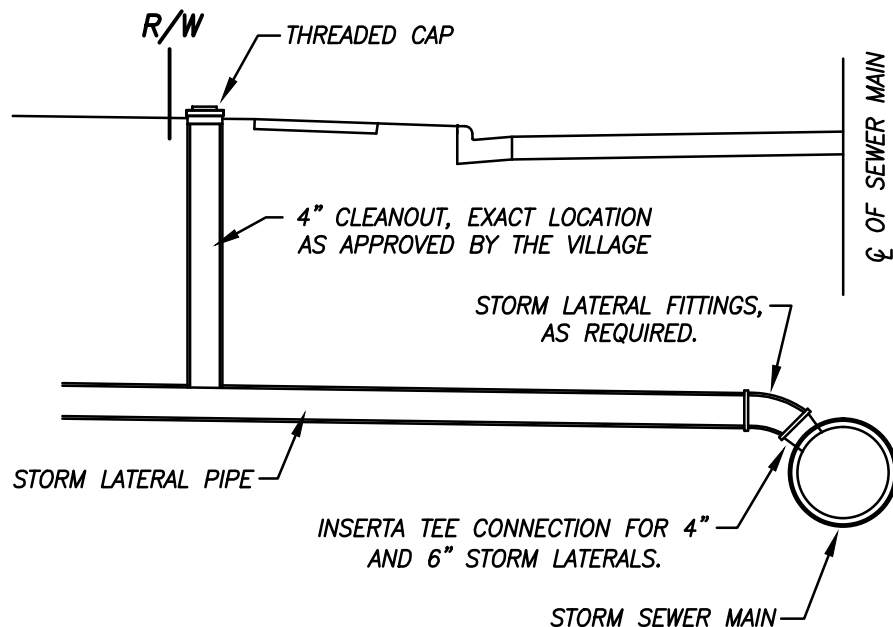
PERFORM SUBGRADE COMPACTION ON THE AREA UNDER THE PROPOSED CONCRETE DRIVE AND INSTALL A MINIMUM OF 4" OF COMPACTED AGGREGATE BASE (ODOT 304).



PAVEMENT REPAIR DETAIL
SOUTH STREET AND MAIN STREET

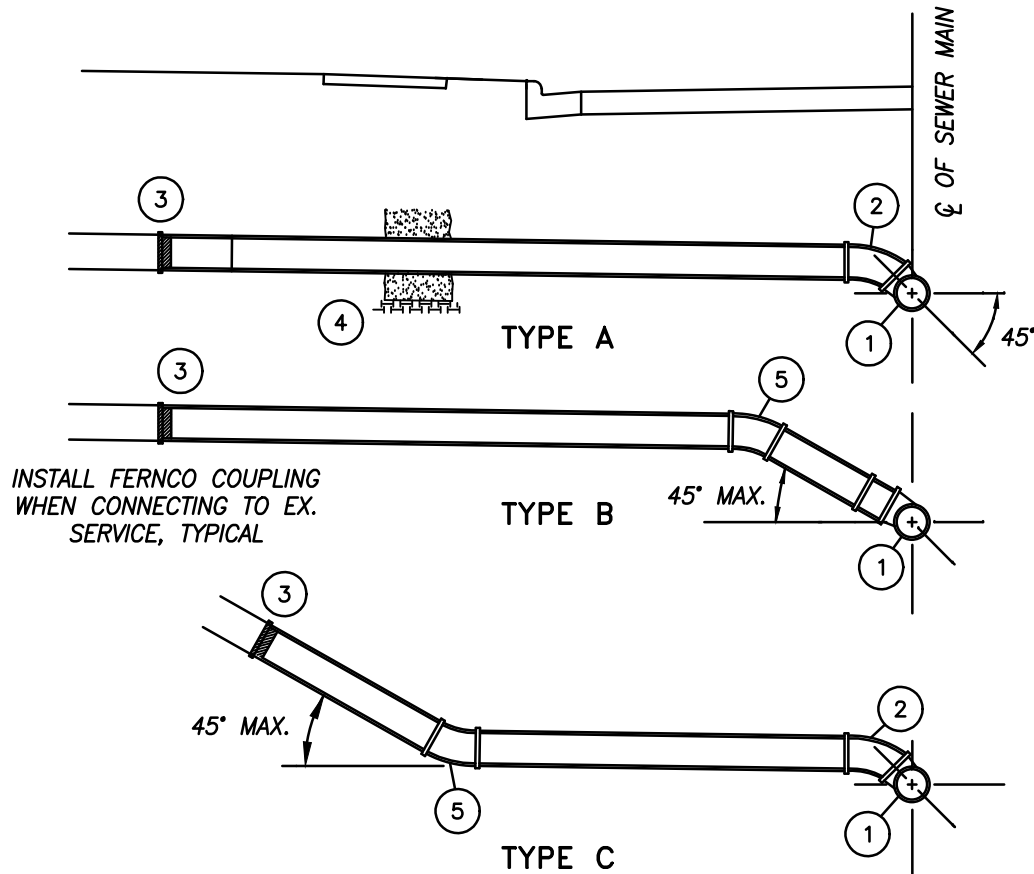


PAVEMENT REPAIR DETAIL
RESIDENTIAL STREETS



NOTES:

1. ALL SEWER FITTINGS AND PIPE SHALL MEET AND/OR EXCEED THE REQUIREMENTS OF ASTM D3034 UNLESS OTHERWISE APPROVED BY THE VILLAGE.
2. THE MINIMUM STORM SEWER LATERAL SHALL BE 4" IN DIAMETER.
3. 4" AND 6" STORM SEWER LATERAL CONNECTIONS TO THE MAIN SHALL BE MADE WITH AN "INSERTA TEE" CONNECTION.
4. ALL LATERAL CONNECTIONS SHALL BE INSPECTED AND APPROVED BY VILLAGE PERSONNEL PRIOR TO BACKFILLING THE TRENCH.
5. ANY STORM LATERAL CONNECTION GREATER THAN 6" IN DIAMETER SHALL BE MADE BY INSTALLING A NEW STORM MANHOLE ON THE STORM SEWER MAIN.
6. TRENCH BACKFILL WITHIN THE STREET RIGHT-OF-WAY SHALL BE #57 STONE COMPACTED IN MAXIMUM LIFTS OF 8".
7. STORM LATERAL PIPE SHALL BE BEDDED ON A MINIMUM OF 4" OF #57 STONE.
8. THE MINIMUM SLOPE FOR THE STORM LATERAL SHALL BE 0.30%.

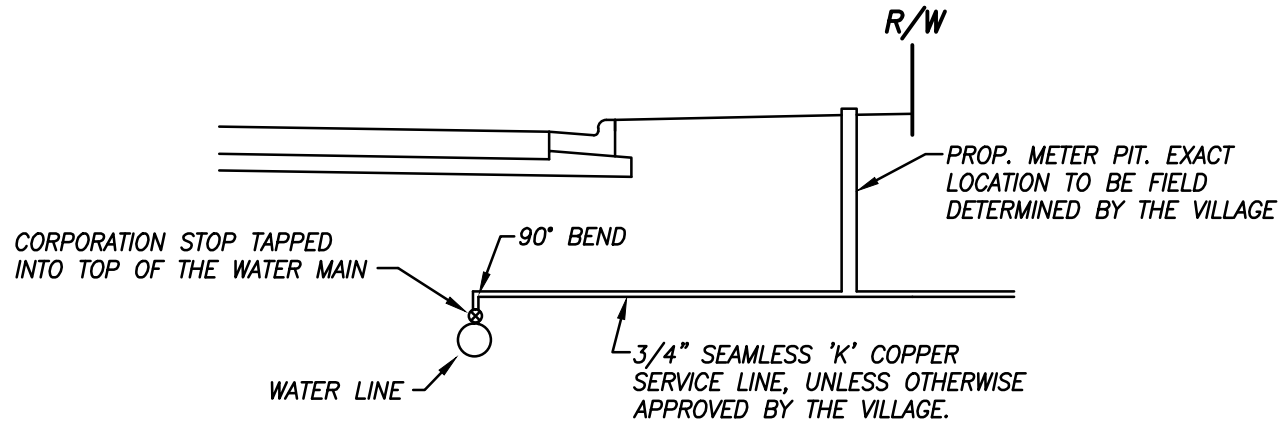


INSTALL FERNCO COUPLING
WHEN CONNECTING TO EX.
SERVICE, TYPICAL

NOTES:

1. ALL SEWER FITTINGS AND PIPE SHALL MEET AND/OR EXCEED THE REQUIREMENTS OF ASTM D3034.
2. ALL SANITARY SEWER LATERAL CONNECTIONS TO THE MAIN SHALL BE MADE WITH AN "INSERTA TEE" CONNECTION.
3. ALL LATERAL CONNECTIONS SHALL BE INSPECTED AND APPROVED BY VILLAGE PERSONNEL PRIOR TO BACKFILLING THE TRENCH.
4. THE MINIMUM RESIDENTIAL LATERAL PIPE SIZE SHALL BE 4" IN DIAMETER AND THE MINIMUM SLOPE SHALL BE 1.20%.
5. THE MINIMUM COMMERCIAL OR INDUSTRIAL LATERAL SIZE SHALL BE 6" IN DIAMETER AND THE MINIMUM SLOPE SHALL BE 0.62%.
6. TRENCH BACKFILL WITHIN THE STREET RIGHT-OF-WAY SHALL BE #57 STONE COMPACTED IN MAXIMUM LIFTS OF 8".
7. SANITARY CLEANOUT SHALL BE INSTALLED NEAR HOUSE/BUILDING FOUNDATION AS APPROVED BY THE VILLAGE.

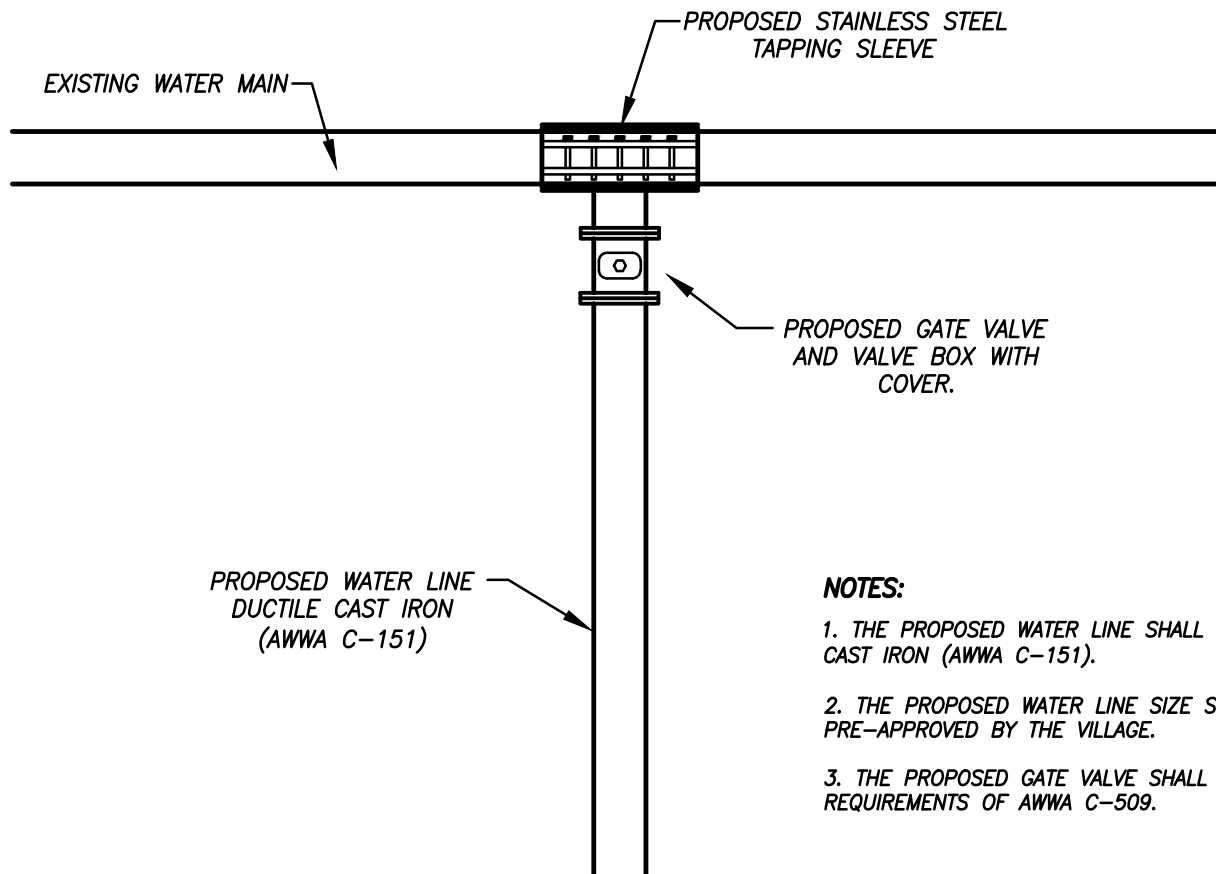
- ① 4" TEE ROTATED 45° FROM HORIZONTAL UNLESS OTHERWISE SPECIFIED.
- ② 4" 1/8 BEND OR 1/16 BEND AS NEEDED.
- ③ CAP UNLESS JOINING EXISTING HOUSE CONNECTION.
- ④ BED PIPE WITH 4" OF GRANULAR MATERIAL AND BACKFILL AS PER PAVEMENT REPAIR DETAIL.
- ⑤ EXACT RECORD OF BEND LOCATIONS MUST BE MADE AS TO DEPTH FROM SURFACE AND DISTANCE FROM CL OF SEWER, BEFORE BACKFILL IS PLACED.



PROVIDE 12" OF NATURAL SAND BEDDING AND BACKFILL AROUND THE SERVICE LINES.

NOTES:

1. ALL WATER SERVICE COMPONENTS SHALL REVIEWED WITH AND PRE-APPROVED BY THE VILLAGE OF ARCANUM PRIOR TO BEGINNING THE SERVICE INSTALLATION.
2. TAPPING OF THE WATER MAIN MUST BE SUPERVISED BY VILLAGE PERSONNEL.



NOTES:

1. THE PROPOSED WATER LINE SHALL BE DUCTILE CAST IRON (AWWA C-151).
2. THE PROPOSED WATER LINE SIZE SHALL BE AS PRE-APPROVED BY THE VILLAGE.
3. THE PROPOSED GATE VALVE SHALL MEET THE REQUIREMENTS OF AWWA C-509.