

Randy L. Smith, P.E., P.S.
TRUMBULL COUNTY ENGINEER

650 North River Road, N.W. Warren, Ohio 44483 (330)675-2640 Fax (330)675-2642

**APPLICATION FOR PERMIT TO WORK ALONG OR ACROSS COUNTY ROADS
INCLUDING PIPELINE RELATED WORK**

Date of Application: _____

REF: _____

Type of Application and Fee:

Make checks payable to Trumbull County Treasurer

- | | | | |
|-----------------------------|------------|------|-------------------|
| _____ Road Bore or R/W Work | Permit Fee | \$20 | |
| _____ Driveway Access | Permit Fee | \$20 | |
| _____ Open Road Cut | Permit Fee | \$20 | \$1,000 in escrow |

Applicant Information:

Company Name	
Contact Person	
Street Address	
City, State, Zip Code	
Phone	
E-Mail Address	

Type of Work:

At the following described location (include footage from nearest intersection) in _____

Township/City/Village, Trumbull County, Ohio and along/across _____

Enclose with this application; the appropriate fee, letter of request, and a survey or drawing (including a location map with distance to the nearest intersection and north arrow) of the project proposed herein.

Work will commence on or about _____ and will be complete by _____
and it would be noted that these dates are tentative and that some unforeseen event could change either.

Agreement and Signature

I, _____, as a duly authorized representative of the applicant of this permit, have read, understand and agree to comply with all the conditions contained within this permit.

Name/Title	
Signature	
Date	

WE AGREE TO THE FOLLOWING CONDITIONS UPON ISSUANCE OF THE PERMIT:

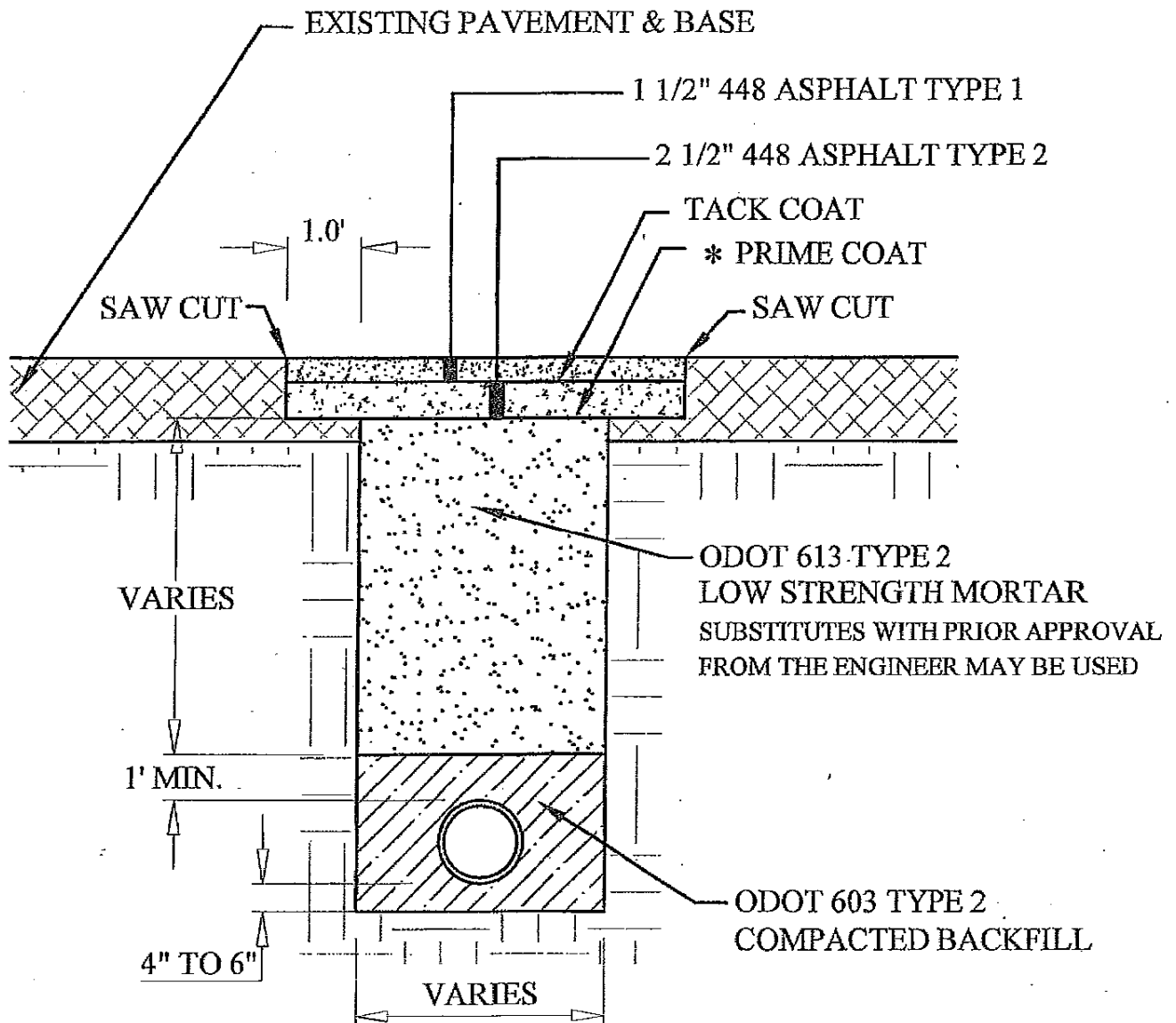
1. If a road closure is requested, a detour plan must be submitted prior to issuance of permit.
2. To restore all disturbed surfaces to their original condition and adhere to the specifications or restrictions as outlined below.
3. Trenches within the road and shoulder areas shall have proper shoring areas and will be properly back-filled and tamped.
4. All road crossings will be made using the boring method unless further permission is granted from the governing authority regarding cutting the pavement.
5. That surplus dirt is removed from the right of way.
6. Roadways at no time shall be used to stockpile material either prior to or during operations.
7. All dirt and/or debris, including fluids, tracked or spilled on pavement shall be removed properly and immediately.
8. All equipment utilized within the right of way shall be in proper operating condition.
9. Any damages caused by operations shall be repaired within 30 days. Any damages caused by operations within the roadway shall be repaired immediately.
10. All roadways permitted shall be videotaped, deficiencies noted, with copy provided to Engineers office prior to work commencement.
11. Any drainage tile encountered will be removed immediately and subsequently replaced.
12. Traffic to be maintained and protected with adequate barricades and lights to warrant safe travel.
13. The said company shall save harmless the Board of County Commissioners of Trumbull County, Ohio and the Trumbull County Engineer from all claims or causes of action arising out of the construction work performed within the limits of the above stated County Highway.
14. The said company shall also save harmless the Board of County Commissioners of Trumbull County, Ohio and the Trumbull County Engineer from all claims and causes of action that in any way arise out of work being performed on behalf of the County of Trumbull either through the Trumbull County Board of Commissioners or the Trumbull County Engineer by way of installation of the new lines or the repair and maintenance of established lines owned or to be owned and maintained by Trumbull County.
15. To notify all utilities in the right-of-way two (2) working days prior to construction by calling the Ohio Utilities Protection Service at 1-800-362-2764 for notification of member utilities. Non-members must be called directly.
16. To notify the governing authority at least two (2) working days before starting construction.

NOTE: The main utility line should be at a 3 foot minimum depth and placed at the backside of the ditches. Service lines shall be at a 3 foot minimum depth below the flow line of ditches. A bore pit should be out of the berm area (a minimum of 7 feet away from the pavement edge) to prevent the road from a major collapse. The utility line shall be at a 2 foot minimum depth under any culverts.

Please contact this office at (330) 675-2640 if you have any questions.

REPAIR OF TYPICAL CUTS THROUGH TRUMBULL COUNTY ROADS

* 408 @ 0.40 GAL./S.Y. WHEN PREMIUM BACKFILL USED
 APPLY 407 TACK COAT TO SAW CUT VERTICAL FACE
 SEAL JOINT WITH PG 64-22

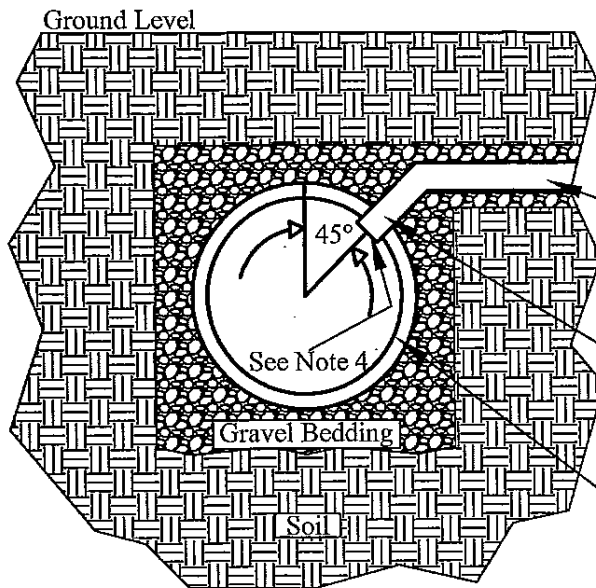


NOTE: TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS PERMISSION FROM THE ENGINEER'S OFFICE IS GRANTED OTHERWISE. STEEL PLATING MAY BE REQUIRED IN ORDER TO ACCOMPLISH TRAFFIC MAINTENANCE.

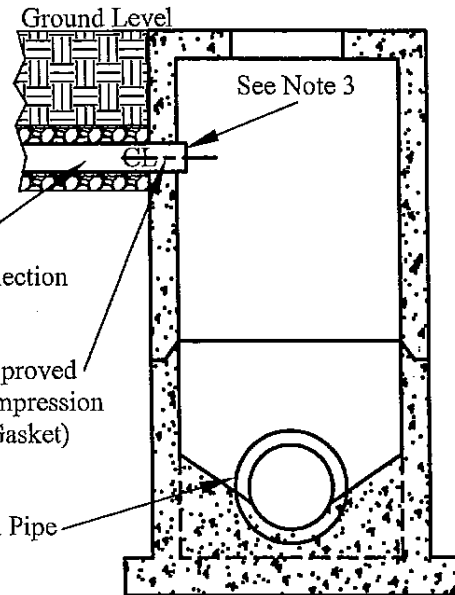
2/5/2009

NOT TO SCALE

TRUMBULL COUNTY ENGINEER



PIPE CONNECTION THROUGH BARREL (CASE 1)



EXISTING CATCH BASIN (CASE 2)

NOTES:

CASE 1, 2 AND 3:

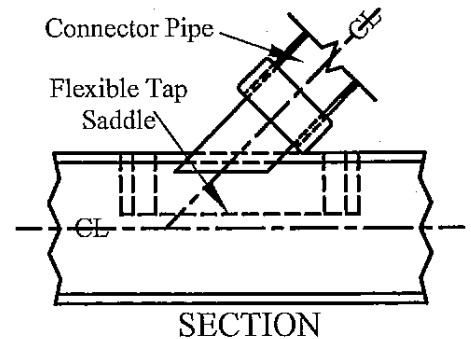
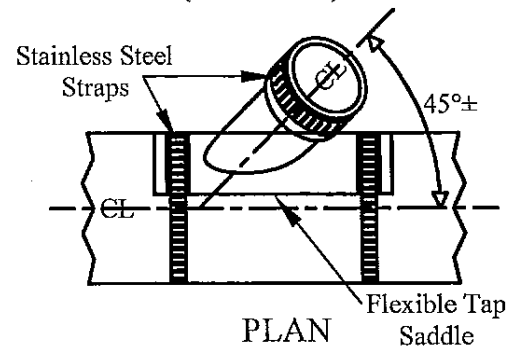
- 1) IF THE OUTSIDE DIAMETER OF THE INLET PIPE EXCEEDS HALF (1/2) THE INSIDE DIAMETER OF THE MAIN STORM DRAIN, OR IF THE PROPOSED PIPE CONNECTION IS LARGER THAN 8" IN DIAMETER, A JUNCTION STRUCTURE SHALL BE REQUIRED.
- 2) ALL CORRUGATED METAL PIPE AND FITTINGS SHALL BE GALVANIZED.
- 3) THE END OF THE CONNECTOR PIPE SHALL NOT PROTRUDE FARTHER THAN ONE (1) INCH WITHIN THE INNER WALL OF THE MAINLINE PIPE OR CATCH BASIN. ROUND, BURN, OR CHIP END OF PIPE TO REDUCE POSSIBILITY OF CLOGGING.

CASE 1 ONLY:

- 4) CENTERLINE OF INLET SHALL BE ON RADIUS OF MAIN STORM DRAIN.

CASE 3 ONLY:

- 5) TRIM OR CUT FLEXIBLE TAP SADDLES TO FIT PROPERLY OVER THE OUTSIDE OF THE MAIN PIPE AND SO ITS AXIS WILL BE ON THE LINE OF GRADE OF THE CONNECTING PIPE.
- 6) THE OPENING INTO THE PIPE SHALL BE CUT AND TRIMMED TO FIT THE SADDLE SO NO PART WILL PROJECT WITHIN THE BORE OF THE FLEXIBLE TAP SADDLE.
- 7) THE CONNECTION PIPE SHALL BE SUPPORTED BY A FLEXIBLE TAP SADDLE WITH STAINLESS STEEL STRAPS AS SHOWN IN THE SADDLE CONNECTION SECTION UNLESS AN ALTERNATIVE METHOD IS APPROVED BY THE TRUMBULL COUNTY ENGINEER IN ADVANCE.



FLEXIBLE TAP SADDLE CONNECTION (CASE 3)

STORM SEWER SPECIFICATIONS

MISCELLANEOUS CONNECTIONS FOR STORM SEWER

TRUMBULL COUNTY ENGINEER
 RANDY L. SMITH, P.E., P.S.
 650 NORTH RIVER ROAD N.W.
 WARREN, OHIO 44483

DATE: 4/28/09 DRAWN BY: WCH CHECKED BY: JPP