

**MORROW COUNTY
PERMIT TO TILE ROADSIDE DITCH
ON ROAD RIGHT-OF-WAY**

O.R.C. 5589.06, 5589.10, 5589.33 & 5589.99

**BART S DENNISON, MORROW COUNTY ENGINEER
195 S MAIN ST, MOUNT GILEAD, OHIO 43338
(419) 946-4941**

DATE _____
ROAD NO. _____ TOWNSHIP _____ SEC. NO. _____
LOCATED: _____ MILES N S E W OF ROAD NO. _____
WHICH SIDE OF ROAD: N S E W BETWEEN ROADS _____ & _____
APPROXIMATE ROADSIDE DITCH DEPTH _____
IS THERE AN EXISTING TILE DRAIN UNDER REQUESTED AREA? YES NO
SIZE _____ REASON FOR CLOSING _____
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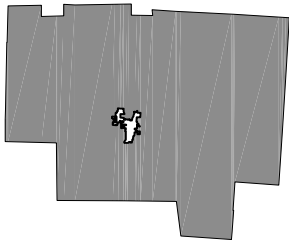
ALTHOUGH REGULATED BY THE COUNTY HIGHWAY DEPARTMENT, ALL PRIVATE DRIVEWAYS AND TILE WITHIN THE RIGHT-OF-WAY ARE FOR LANDOWNERS BENEFIT AND THUS ALL MATERIAL COST AND FUTURE MAINTENANCE IS THE RESPONSIBILITY OF THE LANDOWNER. IF NOT INSTALLED ACCORDING TO CONDITIONS OF THIS PERMIT, THE COUNTY RESERVES THE RIGHT TO REMOVE AND DISPOSE OF MATERIAL WITHIN RIGHT OF WAY. THIS PERMIT IS NULL AND VOID IF INSTALLATION IS NOT COMPLETED WITHIN 90 DAYS OF DATE ISSUED.

_____ LANDOWNER'S NAME	_____ APPLICANT'S NAME
_____ LANDOWNER'S ADDRESS	_____ APPLICANT'S ADDRESS
_____ CITY/STATE/ZIP CODE (____)	_____ CITY/STATE/ZIP CODE (____)
_____ LANDOWNER'S TELEPHONE	_____ APPLICANT'S TELEPHONE
_____ LANDOWNER'S SIGNATURE	_____ APPLICANT'S SIGNATURE

MORROW COUNTY ENGINEER USE ONLY		<input type="checkbox"/> FLAGS ISSUED
SIZE/TYPE OF TILE RECOMMENDED:		
UNDER PROPOSED DRIVE ENTRANCE _____		
THROUGH PROPOSED LAWN AREA IF DESIRED _____		
IS DITCH REGRADING REQUIRED FOR PROPER TILE INSTALLATION? <input type="checkbox"/> YES <input type="checkbox"/> NO		
COMMENTS _____		
REVIEWED BY _____		DATE ____/____/____
MATERIALS: <input type="checkbox"/> (1) SUPPLIED BY OWNER. <input type="checkbox"/> (2) PURCHASED THROUGH COUNTY.		
MATERIALS APPROVED BY _____ \$ _____ /____/____		
INITIALS COST DATE		
INSTALLATION: <input type="checkbox"/> (1) PROVIDED BY OWNER. <input type="checkbox"/> (2) PROVIDED BY COUNTY.		

THIS PERMIT ISSUED BY THE MORROW COUNTY ENGINEER:

_____ BART S DENNISON	_____ Date Issued	_____ Completion Date
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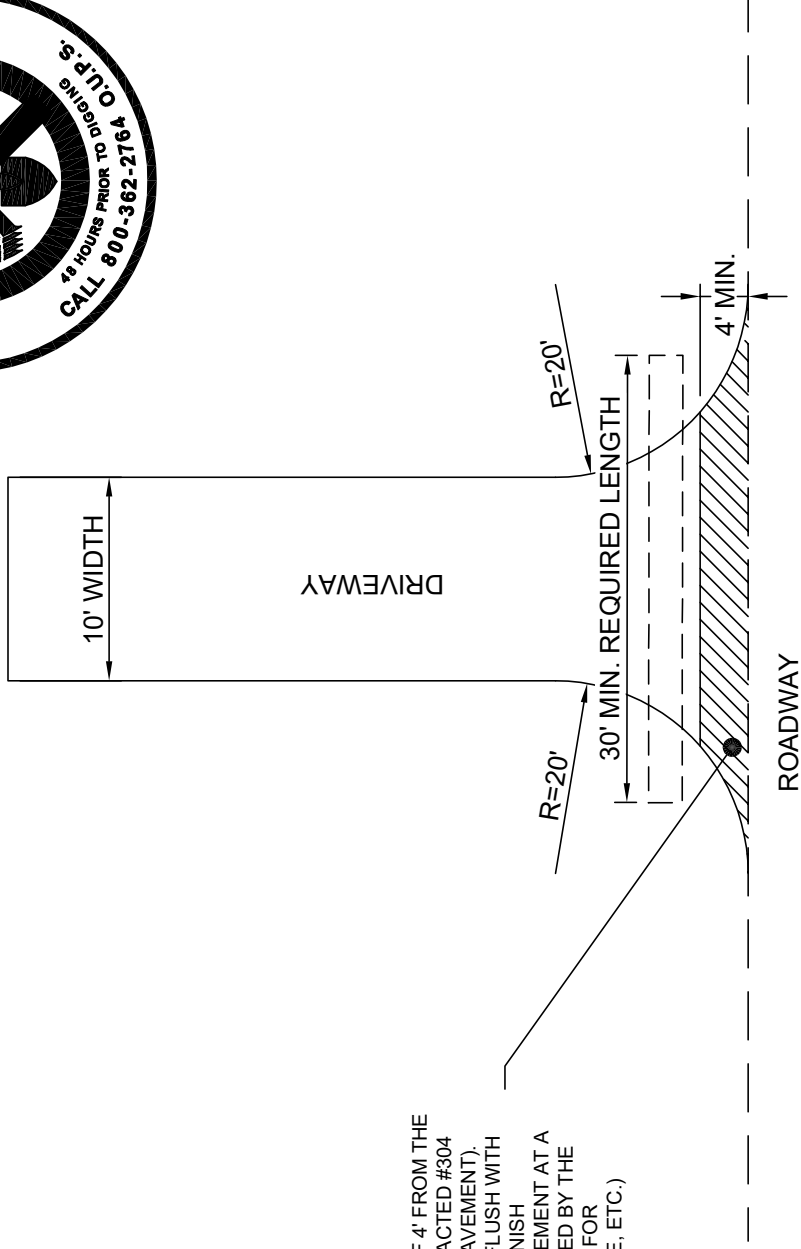
MORROW COUNTY ENGINEER

BART S. DENNISON P.E., P.S.
417 WEST MARION STREET
MOUNT GILEAD, OHIO 43338



INSTALLATION NOTES

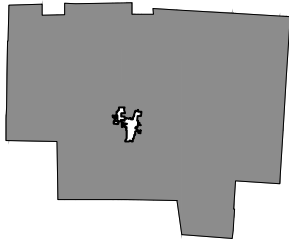
CONCRETE DRIVEWAYS SHALL TERMINATE A MINIMUM OF 4' FROM THE EDGE OF PAVEMENT. (PLACE 3" ASPHALT OVER 5" COMPACTED #304 AGGREGATE BASE BETWEEN DRIVEWAY AND EDGE OF PAVEMENT). ELEVATION AT END OF PROPOSED DRIVEWAY SHALL BE FLUSH WITH EXISTING EDGE OF PAVEMENT ELEVATION. DRIVEWAY FINISH ELEVATION SHALL SLOPE AWAY FROM THE EDGE OF PAVEMENT AT A MINIMUM OF 1/2 INCH PER FOOT FOR 8' (UNLESS APPROVED BY THE ENGINEER). PROPERTY OWNER SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS (CONCRETE, ASPHALT, STONE, ETC.)



DRIVEWAY CULVERT SPECIFICATIONS

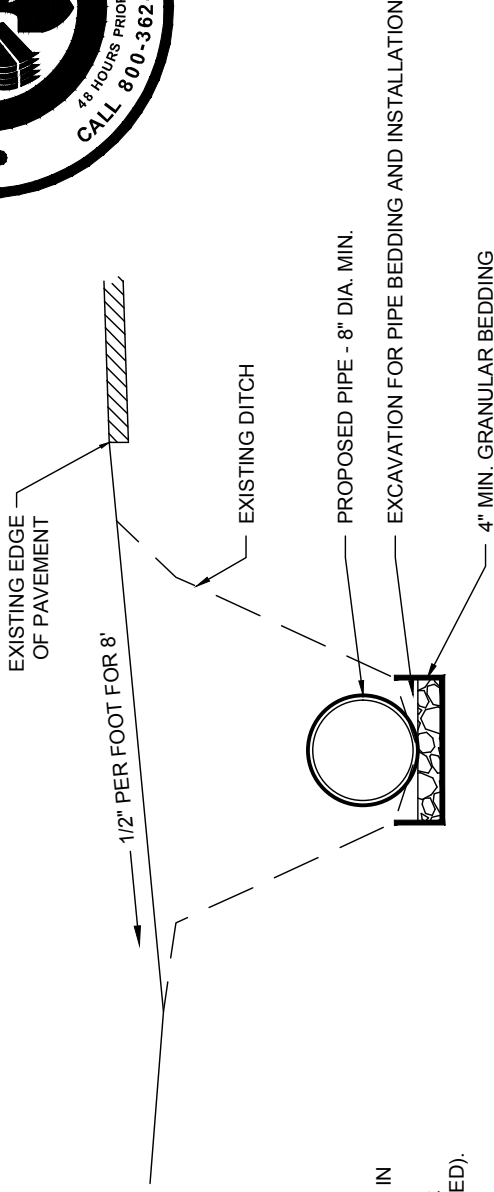
PIPE DIAMETER AND TYPE SHALL BE DETERMINED BY THE MORROW COUNTY ENGINEERS DEPT. PIPE AND ALL RELATED MATERIALS (INLETS, COUPLINGS, HARDWARE, STONE, ETC.) SHALL BE PURCHASED BY THE PROPERTY OWNER.

SPECIFICATIONS FOR DRIVEWAYS



MORROW COUNTY ENGINEER

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INSTALLATION NOTES

ALL CORRUGATED METAL DRIVE PIPES MUST CONFORM WITH ITEM 707.04 GALVANIZED CORRUGATED STEEL CONDUIT AS SPECIFIED IN ODOT 2013 CONSTRUCTION AND MATERIAL SPECIFICATIONS. PIPE MUST HAVE ANNULAR CORRUGATIONS. (SPIRAL PIPE NOT PERMITTED).

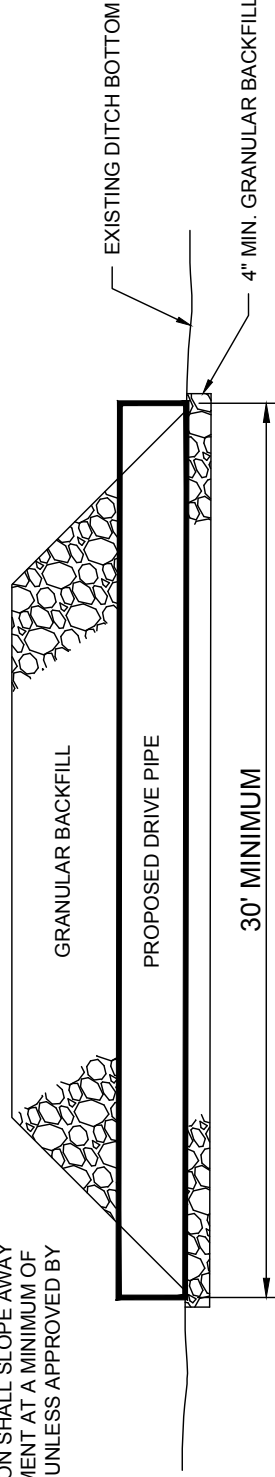
PROPERTY OWNER MUST PROVIDE PIPE, COUPLERS AND HARDWARE. EACH COUPLER REQUIRES FOUR EACH 1/2"x6" ZINC-PLATED OR GALVANIZED CARRIAGE BOLTS & NUTS. MATERIALS MUST BE ON SITE BEFORE CONSTRUCTION WILL COMMENCE.

LOCATE PIPE SO NOT TO DISTURB NATURAL WATER FLOW.

DRIVEWAY FINISH ELEVATION SHALL SLOPE AWAY FROM THE EDGE OF PAVEMENT AT A MINIMUM OF 1/2 INCH PER FOOT FOR 8' (UNLESS APPROVED BY THE ENGINEER).

SECTION VIEW

NOT TO SCALE

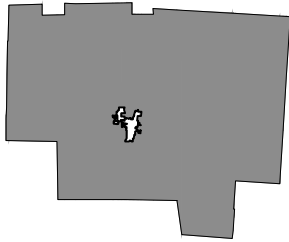


PROFILE VIEW

NOT TO SCALE

DRIVEWAYS REQUIRE A MIN. OF 30' LENGTH.
FARM FIELD ENTRANCES REQUIRE A MIN. OF 40' LENGTH.

SPECIFICATIONS FOR CORRUGATED METAL DRIVE PIPES



MORROW COUNTY ENGINEER

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12" MIN. #57 LIMESTONE BACKFILL COVER REQUIRED. PROPERTY OWNER IS RESPONSIBLE FOR BACKFILLING ABOVE PIPE. LESS THAN 12" MIN. COVER WILL REQUIRE GALVANIZED, STEEL, ANNULAR CORRUGATED PIPE (SPIRAL PIPE NOT PERMITTED) OR REINFORCED CONCRETE PIPE.

INSTALLATION NOTES

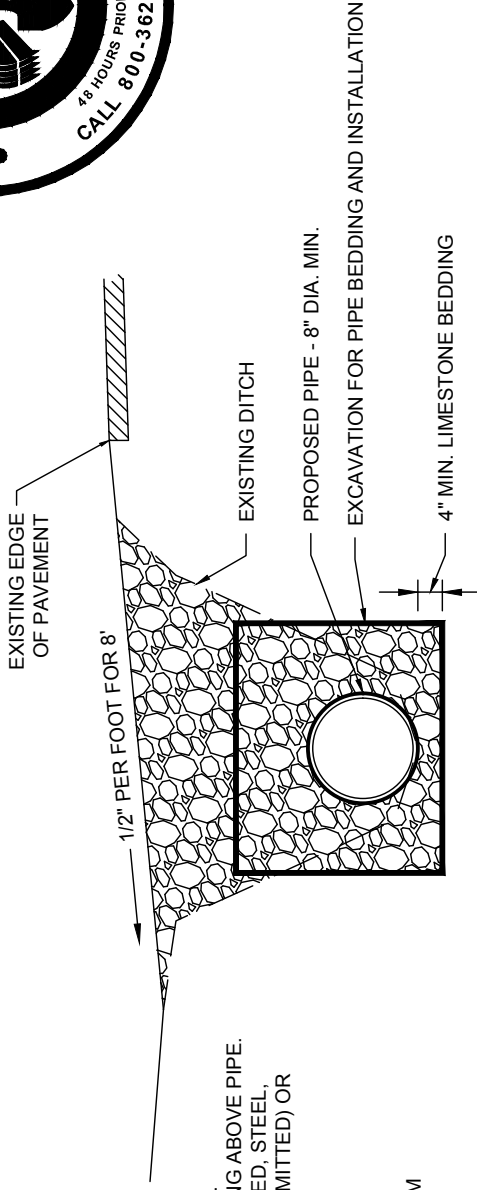
ALL PLASTIC DRIVE PIPES MUST CONFORM WITH ITEM 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE AS SPECIFIED IN ODOT 2013 CONSTRUCTION AND MATERIAL SPECIFICATIONS. PIPE MUST HAVE ANNULAR CORRUGATIONS. (HANCOR SURE-LOK, ADS N12 PRO-LINK OR APPROVED EQUAL).

PROPERTY OWNER MUST PROVIDE PIPE AND COUPLERS AND A MINIMUM OF 5 TONS OF CRUSHED #57 LIMESTONE PER THIRTY FEET OF PIPE, TO BE USED AS PIPE BEDDING AND BACKFILL TO CROWN OF PIPE. AN ADDITIONAL 2 TONS OF STONE WILL BE REQUIRED PER TEN FEET OF PIPE OVER 30'. MATERIALS MUST BE ON SITE BEFORE CONSTRUCTION WILL COMMENCE.

LOCATE PIPE SO NOT TO DISTURB NATURAL WATER FLOW.

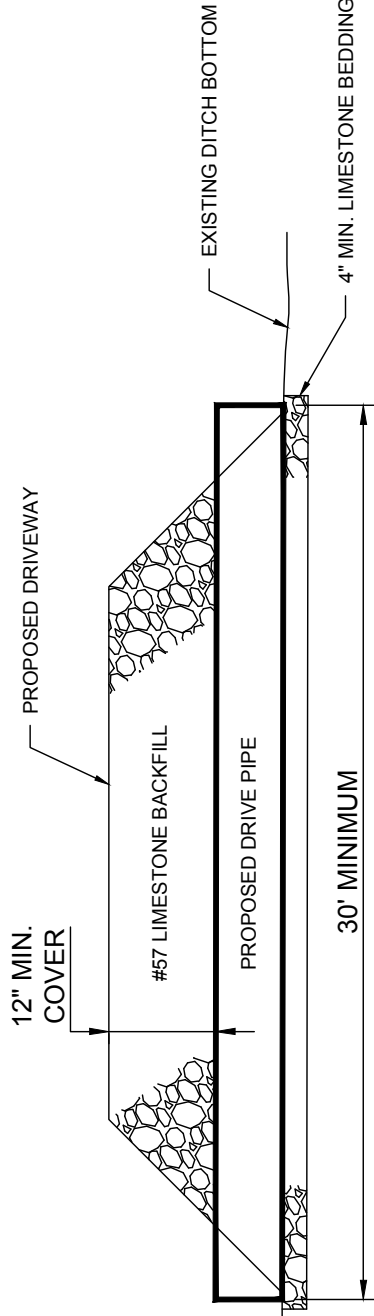
DRIVEWAY FINISH ELEVATION SHALL SLOPE AWAY FROM THE EDGE OF PAVEMENT AT A MINIMUM OF 1/2 INCH PER FOOT FOR 8' (UNLESS APPROVED BY THE ENGINEER).

MORROW COUNTY ENGINEER WILL MAKE FINAL DETERMINATION IF PLASTIC PIPE CAN BE UTILIZED AS A DRIVEWAY CULVERT



SECTION VIEW

NOT TO SCALE

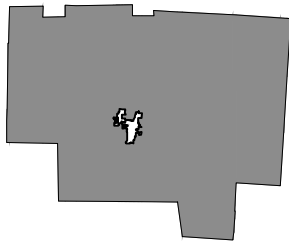


PROFILE VIEW

NOT TO SCALE

DRIVEWAYS REQUIRE A MIN. OF 30' LENGTH.
FARM FIELD ENTRANCES REQUIRE A MIN. OF 40' LENGTH.

SPECIFICATIONS FOR PLASTIC DRIVE PIPES



MORROW COUNTY ENGINEER

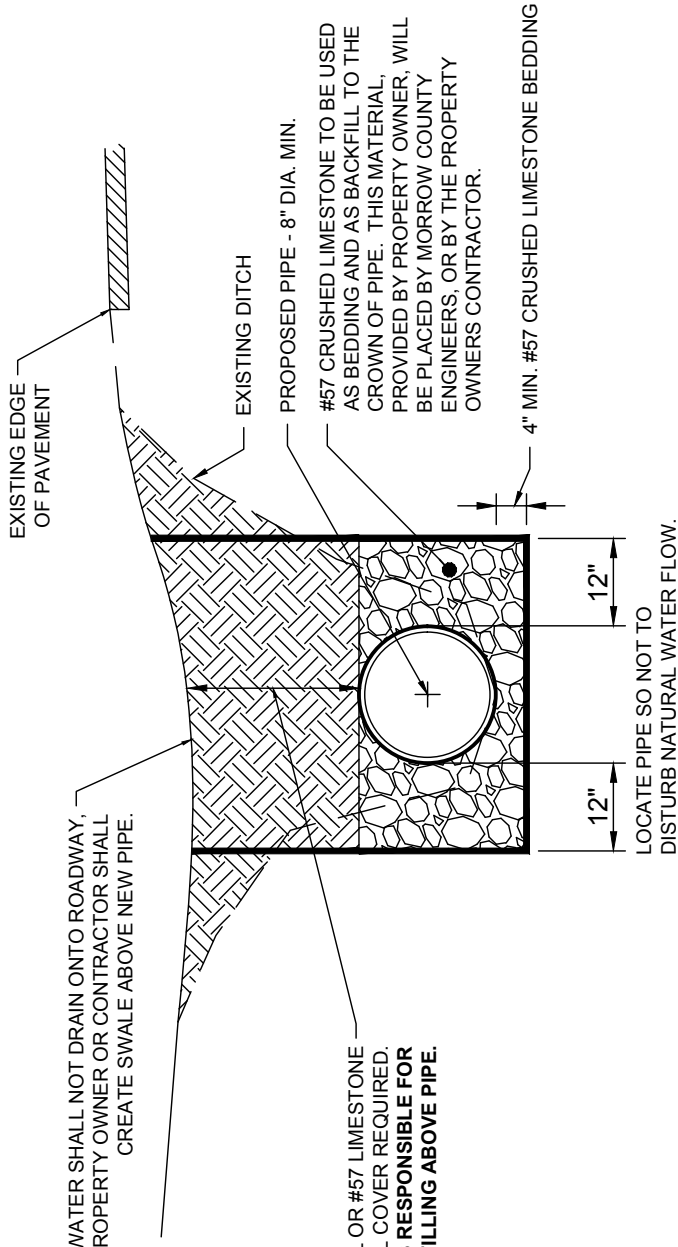
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PROPERTY OWNER MUST PROVIDE PIPE AND COUPLERS (MORROW COUNTY ENGINEERS TO DETERMINE EXACT SIZE) AND 1 TON OF CRUSHED #57 LIMESTONE PER SIX FEET OF PIPE TO BE INSTALLED. MATERIALS MUST BE ON SITE BEFORE CONSTRUCTION WILL COMMENCE.

12" MIN. SUITABLE SOIL OR #57 LIMESTONE BACKFILL COVER REQUIRED. PROPERTY OWNER IS RESPONSIBLE FOR BACKFILLING ABOVE PIPE. LESS THAN 12" MIN. COVER WILL REQUIRE BUTT JOINT PLAIN CONCRETE DRAIN TILE OR BUTT JOINT EXTRA STRENGTH CLAY DRAIN TILE.

WATER SHALL NOT DRAIN ONTO ROADWAY. PROPERTY OWNER OR CONTRACTOR SHALL CREATE SWALE ABOVE NEW PIPE.



12" MIN. SUITABLE SOIL OR #57 LIMESTONE BACKFILL COVER REQUIRED. **PROPERTY OWNER IS RESPONSIBLE FOR BACKFILLING ABOVE PIPE.**

ALL PLASTIC DRIVE PIPES MUST CONFORM WITH ITEM 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PERFORATED PIPE AS SPECIFIED IN ODOT 2013 CONSTRUCTION AND MATERIAL SPECIFICATIONS. PIPE MUST HAVE ANNULAR CORRUGATIONS. (HANCOR SURE-LOK, ADS N12 PRO-LINK OR APPROVED EQUAL).

MORROW COUNTY ENGINEER WILL MAKE FINAL DETERMINATION IF PLASTIC PIPE CAN BE UTILIZED FOR ROAD DITCH ENCLOSURE.

SPECIFICATIONS FOR PLASTIC PIPES ROAD DITCH ENCLOSURE

NOT TO SCALE