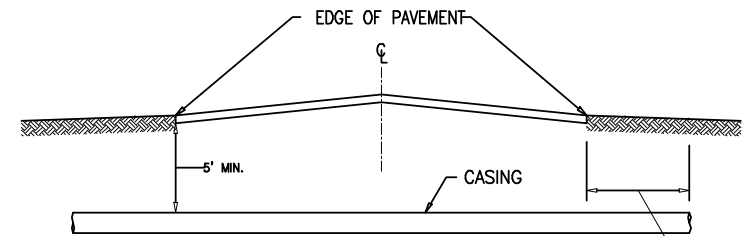
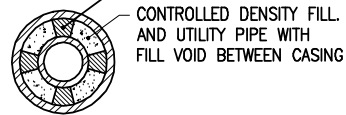


PROVIDE SUFFICIENT CASING SPACERS TO SUPPORT UTILITY PIPE IN CASING.



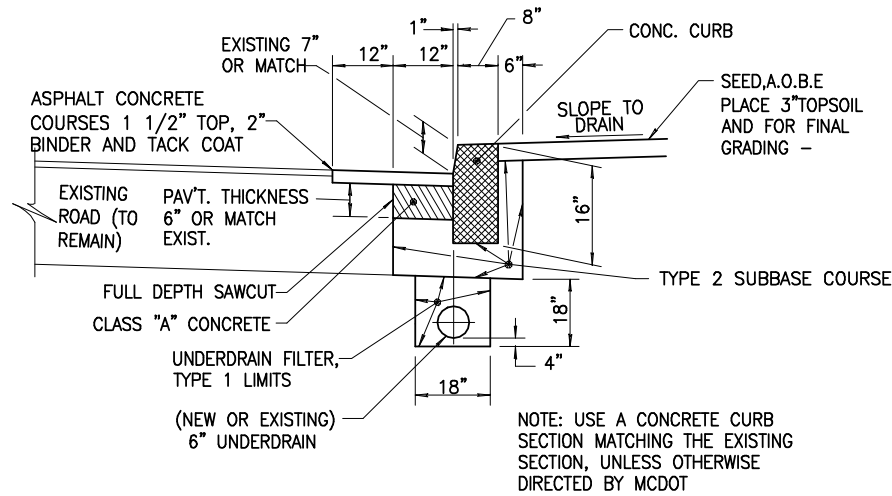
CASING MUST EXTEND A MINIMUM OF 4' BEYOND EDGE OF PAVEMENT

NOTES:

1. THE DESIGN AND SPECIFICATION FOR THE CASING PIPE SHALL BE SPECIFIED BY THE APPLICANT WITH REFERENCES TO APPLICABLE INDUSTRY STANDARDS FOR EITHER HDPE OR IRON PIPE FOR ALL BORES GREATER THAN 4" DIA.
2. A MINIMUM OF 5' OF COVER IS REQUIRED OVER ALL BORED PIPING/CONDUIT
3. CASING MUST BE CONTINUOUS UNDER THE ROADWAY WITH NO MECHANICAL JOINTS

BORING & JACKING

NOT TO SCALE - REVISED: 06/12/23



CONCRETE CURB REPLACEMENT WITH PERFORATED UNDERDRAIN

NOT TO SCALE - REVISED: 01/04/24

NOTES:

1. WHEN UNSUITABLE MATERIAL IS PRESENT IN THE BASIN AS DETERMINED BY THE ENGINEER, IT SHALL BE REMOVED PRIOR TO BACKFILLING. IF NO HOLE EXISTS IN THE BOTTOM OF THE BASIN, A 2" DIA. HOLE SHALL BE DRILLED. THIS WORK WILL BE PAID FOR UNDER VARIOUS DRAINAGE ITEMS.
2. WHERE BASINS ARE TO BE "REMOVED", THE LIMITS OF ITEM 206.02 SHALL EXTEND TO THE BOTTOM OF THE BASIN AND 2' BEYOND THE WALLS. WHEN REMOVAL IS SHOWN DUE TO CONFLICT WITH NEW DRAINAGE STRUCTURE, IT NEED ONLY BE REMOVED TO THE DEPTH OF THE STRUCTURE, THE REMAINDER WILL BE PAID ONLY ONCE FOR THE EXISTING OR PROPOSED STRUCTURE, WHICHEVER IS GREATER, EXCAVATION OR BACKFILL.
3. DRILL AND GROUT #16 BAR DOWELS, 3 PER SIDE MINIMUM, WITH 6" MINIMUM EMBEDMENT INTO OLD AND NEW CONCRETE. ALL EXISTING CONCRETE SURFACES THAT WILL BE IN CONTACT WITH NEW CONCRETE SHALL BE COATED WITH EPOXY POLYSULFIDE GROUT PER NYS DOT STANDARD SPECIFICATIONS SECTION 721-03. LATEST REVISION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 604.07.
4. REPLACE PAVEMENT IN KIND WITH WHAT IS EXISTING, UNLESS CONDITIONS EXIST WHERE THAT IS NOT FEASIBLE, THEN INSTALL SECTION AS APPROVED BY THE DEPARTMENT'S ENGINEER OR HIGHWAY MAINTENANCE MANAGER. THE MINIMUM APPROVABLE SECTION SHALL BE 12" OF ITEM 304.12 - TYPE 2 SUBBASE 6" OF ITEM 403.118902 - ASPHALT CONCRETE - TYPE 1 BASE COURSE, 2" OF ITEM 403.138902 - TYPE 3 BINDER AND 1-1/2" OF ITEM 403.198202 -TYPE 7F2 TOP.
5. 6" OF STONE BEDDING, CONSISTING OF A BLENDING OF #1 AND #2 STONE, IS REQUIRED FOR SANITARY AND STORM SEWER INSTALLATIONS WITH CRUSHED STONE HAUNCHING TO A MINIMUM OF ONE-HALF OF THE PIPE DIAMETER ON THE SIDE OF THE PIPE. PAYMENT TO BE INCLUDED UNDER VARIOUS PIPE ITEMS.
6. REMOVE EXISTING PAVEMENT AND PAVEMENT BASE UNDER ITEM 203.02
7. ALL SAW CUTS OF EXISTING PAVEMENT ARE TO BE TACK COATED AND TOP SEAM TO BE CAPPED WITH BITUMINOUS SEALER BEFORE RESURFACING TO BEGIN.

DRAINAGE NOTES

REVISED: 06/12/23

NO.	DATE BY:	REVISION

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PROJECT MANAGER: _____
 DRAWN BY: _____
 DRAFTER: _____

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 ROCHESTER, NEW YORK 14614-1231
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TOWN	
CAPITAL PROJECT NO.	XXXX-XX

SCALE: NOT TO SCALE
DATE ISSUED: DATE
DRAWING NO. 12 OF 22