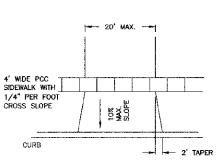


DRIVEWAY AND SIDEWALK DETAIL

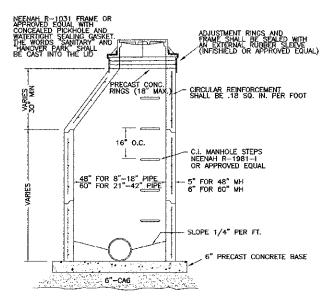
RESIDENTIAL



BITUMINOUS DRIVEWAYS TO BE 6" STONE AND 2" ASPHALT OR 5" CLASS SI NONREINFORCED CONCRETE OVER 2" COMPACTED GRANULAR SURBASE

SIDEWALK TO BE 5" CLASS SI CONCRETE (6" AT DRIVEWAYS) OVER 4" COMPACTED GRANULAR SUBBASE. CONSTRUCTION JOINTS TO BE 4' ON CENTER, EXPANSION JOINTS 50'

SANITARY SEWER MANHOLE



PRE-CAST REINFORCED CONCRETE RISER RINGS AND DOMES SHALL COMPLY WITH ASTM C-39. ALL JOINTS BETWEEN PRE-CAST ELEMENTS, ADJUSTING RINGS AND MANHOLE

FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. ALL SANITARY SEWER MANHOLES SHALL BE CONSTRUCTED WITH FLEXIBLE MANHOLE COUPLINGS.

FENCE IN CULVERT'S SIDEWALK HANOVER PARK ILLINOIS CONTRACT NO. 63754 INSTALLATION DETAIL - VINYL COATED, MINI MESH CHAIN LINK FENCE, GREEN, APPLY WATER-RESISTANT SILICON-SEALANT AROUND THE BASE OF THE FENCE POST. PCC SIDEWALK SLAB BEND OR WARP STEEL AROUND FENCE POST. WEATHERPRODE

SECTION

10-00059-00-BR

TOTAL SHEE SHEETS NO.

COOK

FENCE POSTS WILL BE LOCATED AND TEMPORARORY SECURED PRIOR TO POUR THE CONCRETE FOR THE PCC SIDEWALK SLAB OVER THE CULVERT.

A WEATHERPROOF MATERIAL WILL BE PLACED AT EACH POST LOCATION FOR THE POST TO REST ON.

THE FENCE POSTS ARE NOT TO BE PERMANENTLY MOUNTED TO OR SECURED IN ANY WAY TO THE BOX CULVERT.

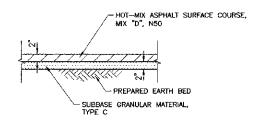
THE FENCE POSTS SHOULD BE LOCATED 8" FROM THE RIGHT EDGE OF THE PROPOSED PCC SIDEWALK SLAB.

WHERE A FENCE POST CONFLICTS WITH ANY REINFORCING STEEL, BEND OR WARP THE STEEL AROUND THE FENCE

A WATER-RESISTANT SILICON SEALANT SHALL BE APPLIED AT THE BASE OF THE POST AROUND EACH POST LOCATION IN THE PCC SIDEWALK SLAB.

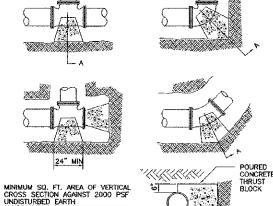
THE WORK AND MATERIALS DESCRIBED IN THIS DETAIL ARE INCLUDED IN THE COST IF THE FENCE ITEM.

HOT-MIX ASPHALT SHOULDERS



THRUST BLOCK INSTALLATION

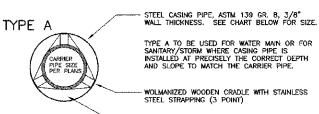
WATER, STORM



POUREU CONCRETE THRUST BLOCK LINDISTURBED

THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, CAPS, VALVES, HYDRANTS AND AT POINTS SPECIFIED BY THE ENGINEER SHALL BE CLASS "SI" CONCRETE, A MINIMUM OF 12" THICK, PLACED BETWEEN SOLD GROUND AND FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIRS. THRUST BLOCKS SHALL BE PLACED AT BENDS OF 11-1/4 DEGREES OR MORE. RETAINER GLANDS MAY BE USED IN PLACE OF THRUST BLOCKS. THE COST OF THRUST BLOCKS OR RETAINER GLANDS SHALL BE INCLUDED IN THE COST OF THE FITTING.

AUGER/CASING DETAIL



TYPE A TO BE USED FOR WATER MAIN OR FOR SANTARY/STORM WHERE CASING PIPE IS INSTALLED AT PRECISELY THE CORRECT DEPTH AND SLOPE TO MATCH THE CARRIER PIPE.

WOLMANIZED WOODEN CRADLE WITH STAINLESS STEEL STRAPPING (3 POINT)

BLOWN IN PEA GRAVEL. PROVIDE CONCRETE BULKHEAD AT EACH END OF CASING PIPE.

TYPE B

CARRIER

PIPE SIZE

10" 12" 15"

WATER, STORM

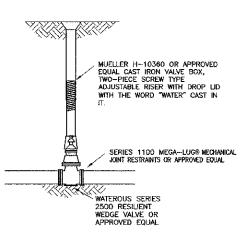
STEEL CASING PIPE, ASTM 139 GR. 8, 3/8" WALL THICKNESS. SEE CHART BELOW FOR SIZE.

TYPE B TO BE USED FOR WATER MAIN OR FOR SANITARY/STORM. USE ADJUSTABLE CASING SPACERS TO PROVIDE PROPER SLOPE FOR

ADJUSTABLE CASING SPACERS, CASCADE OR APPROVED EQUAL. NUMBER AND SPACING OF SPACERS PER MANUFACTURERS RECOMMENDATION.

PROVIDE CONCRETE BULKHEAD AT EACH END OF CASING PIPE.

VALVE BOX



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REVISIONS	:	PLOTTED BY:	AMR				
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	CHECKED BY:	JR
10-22-12	JR	REVISED PLANS PER COMMENTS FROM IDOT, HANOVER PARK, & NORTH COOK SWCD.		1		DRAWN BY:	AUR
11-08-12	JR	REVISED PLANS PER COMMENTS FROM IDOT DATED 11-02-12.		1		CHECKED BY:	JR:
						APPROVED BY:	DVM
				_			

CASING PIPE SIZE

14" 20" 20" 20" 24"

Pavia-Marting & Co.

LONGMEADOW LANE BOX CULVERT REPLACEMENT HANOVER PARK, IL DETAILS & W. BRANCH OF DUPAGE RIVER PROFILE

NONE DATE: 8/6/2012 JOB NO: 02841.DS EET_15 of 20

D Mengineens

910 W. Lake St. Roselle, IL 60172 630-529-8000 fax: 630-894-4910