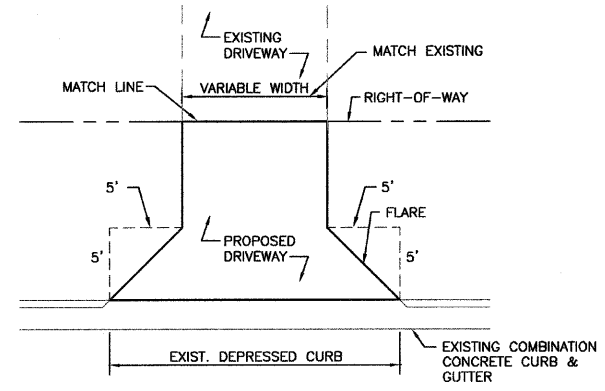


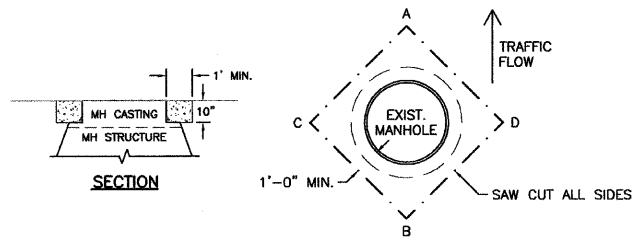
| MATERIALS                                    | T  |
|--|----|
| CONCRETE MASONRY UNITS                       | 5" |
| BUILDING BRICK GRADE S.W. FROM CLAY OR SHALE | 8" |
| MONOLITHIC CONCRETE                          | 6" |
| CONCRETE BUILDING BRICK GRADE A              | 8" |

NOTE: THE BOTTOM SHALL BE CONSTRUCTED WITH CLASS SI CONCRETE.  
INLET BOTTOM SHALL BE SLOPED 1" PER FOOT TO OUTLET PIPE.  
THE CATCH BASIN SHALL BE FURNISHED WITH A NEENAH R-2554 FRAME AND TYPE D GRATE.  
COST OF FURNISHING AND SETTING TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CATCH BASIN.

INLET TYPE A DETAIL  
N.T.S.



DRIVE APPROACH DETAIL  
N.T.S.



- ADJUST MANHOLE AFTER PAVING IS COMPLETED.
- SAW CUT SQUARE OPENING SET AT DIAGONAL, WITH POINTS OF DIAGONAL ABOUT 1.5' FROM EDGE OF MANHOLE.
- REMOVE PAVEMENT MATERIAL AND ADJUST MANHOLE TO WITHIN 1/4" TO 3/8" OF TOP OF NEW PAVEMENT IF STRING IS PULLED FROM POINT A TO B. CHECK C TO D WITH STRING FOR POTENTIAL CONFLICT AND ADJUST AS NEEDED.
- PRIOR TO PLACEMENT OF CONCRETE, MAKE SURE BASE IS COMPACTED SUFFICIENTLY & OUTSIDE EDGE OF OPENING HAS VERTICAL WALLS.
- FILL VOID WITH MINIMUM OF 10" OF CONCRETE CLASS SI.
- TROWEL OFF CONCRETE FLUSH WITH NEW PAVEMENT AND BROOM FINISH. MANHOLE FRAME SHALL BE RECESSED FROM CONCRETE NO MORE THAN 3/8".
- IF MANHOLE FRAME AND LID IS WITHIN 2" OF FINAL ADJUSTMENT, AN ADJUSTING RING MAY BE USED INSTEAD OF COMPLETE REMOVAL OF CASTING AND ADJUSTMENT. THIS WORK SHALL CONFORM TO SECTION 602 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", LATEST EDITION. THE WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR MANHOLE TO BE ADJUSTED, WHICH SHALL INCLUDE SAW CUTTING, REMOVAL OF MATERIAL, RISER RING, AND PLACEMENT OF CONCRETE.
- IF MANHOLE FRAME AND LID REQUIRES AN ADJUSTMENT OF GREATER THAN 2", THEN REMOVAL OF CASTING AND LID SHALL BE REQUIRED WITH NEEDED ADJUSTMENT AS PER SECTION 602 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", LATEST EDITION. THE WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR MANHOLES TO BE ADJUSTED, WHICH SHALL INCLUDE SAW CUTTING, REMOVAL OF MATERIAL, ADJUSTMENT OF MANHOLE FRAME AND LID AND CONCRETE PLACEMENT.

NOTE:  
IF DURING THE PAVING OPERATION AN ADJUSTING RING IS USED AND ADJUSTED MANHOLE MATCHES THE NEW PAVEMENT, THEN SAW CUTTING, REMOVAL OF MATERIAL AND CONCRETE PLACEMENT WILL NOT BE REQUIRED. THIS WORK SHALL BE INCIDENTAL AND SHALL BE CONSIDERED A PART OF THE MANHOLE TO BE ADJUSTED. THIS WORK SHALL CONFORM TO SECTION 602 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", LATEST EDITION. IF ABOVE WORK DOES NOT MEET GUIDELINES OF ITEM 3 AND 5 AFTER ROLLING OF PAVEMENT, THEN SAW CUTTING AND ADJUSTMENT WILL BE REQUIRED AS PER INSTRUCTIONS ABOVE.

MANHOLES  
IF CASTING IS REMOVED PRIOR TO PAVEMENT GRINDING OR PAVEMENT RE-SURFACING, A GEO TECHNICAL FABRIC SHALL BE PLACED OVER OPENING OF THE MANHOLE THAT WAS HAMMERED OUT. A PLYWOOD COOKIE AND THE MANHOLE LID SHALL BE PLACED OVER THE FABRIC AND BACKFILLED WITH GRAVEL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT ANY DEBRIS FROM WITHIN THE MANHOLE PRIOR TO AND DURING THE ADJUSTMENT OF THE CASTING. THE CONTRACTOR SHALL ALSO MARK THE LOCATION OF EACH MANHOLE PRIOR TO PAVING ALONG THE EDGE OF THE PAVEMENT OR CURB WITH A LATH AND OR PAINT MARKS SO THAT IT CAN BE READILY FOUND. THE ABOVE WORK SHALL BE INCIDENTAL TO THE MANHOLE ADJUSTMENT.

MANHOLE ADJUSTMENT DETAIL  
N.T.S.

**FEHR-GRAHAM & ASSOCIATES, LLC**  
ENGINEERING AND SCIENCE CONSULTANTS  
FREEPORT, IL ROCKFORD, IL ROCHELLE, IL SPRINGFIELD, IL MONROE, WI  
ILLINOIS DESIGN FIRM NO. 184-003525  
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OWNER/DEVELOPER:  
VILLAGE OF LENA  
122 EAST MAIN STREET  
P.O. BOX 607  
LENA, ILLINOIS 61048

PROJECT AND LOCATION:  
SAFE ROUTES  
TO SCHOOL PROGRAM

DRAWN BY: B.C.  
APPROVED BY: P.E.  
DATE: 09/15/10  
SCALE:

| REVISIONS |                                 |          |
|-----------|---------------------------------|----------|
| REV. NO.  | DESCRIPTION                     | DATE     |
| 2         | REVISIONS PER IDOT REVIEW       | 12/03/10 |
| 3         | REVISIONS PER IDOT REVIEW       | 05/26/11 |
| 5         | REVISIONS PER IDOT REQUIREMENTS | 01/13/12 |

DRAWING:  
DETAILS  
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JOB NUMBER:  
10-138  
SHEET NUMBER:  
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