

GENERAL NOTES

All materials and construction shall be in accordance with the Standard Specifications for Road and Bridge Construction, State of Illinois Department of Transportation, January 1 2012 Edition, and the City of Rockford Water Department Specifications and Standards for Water Main Construction, latest edition.

The Contractor, shall relocate and replace to the satisfaction of the Engineer, all street signs in accordance with Article 107.25 of the Standard Specifications.

The Contractor shall verify the exact location of all underground utilities prior to beginning construction (Call J.U.L.I.E. 800-892-0123).

The Contractor shall carefully preserve all existing property markers until an authorized surveyor has referenced their location. Property markers damaged by the Contractor, unless referenced, shall be replaced at the expense of the Contractor.

The Fire Hydrant relocations and appurtenances shall be constructed in accordance with the following:

- A. The City of Rockford Water Division "Water Main Specifications", latest edition.
- B. The City of Rockford Department of Public Works "Engineering Design Criteria for Public Works Improvements", latest edition.
- C. The Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition.

All water related materials shall be approved by the City of Rockford Public Works Department and the City of Rockford Water Division prior to installation.

The Contractor shall institute traffic control measures at all times, in accordance with the I.D.O.T. Standard Specifications for Road and Bridge Construction, latest editions.

All sidewalks to be ramped at a slope of 1:12 max.

The Contractor shall dispose of surplus excavated material and all disturbed areas not intended for construction activity shall be restored to their original condition.

All construction shall be observed by the Engineer. The Contractor shall furnish the Engineer with inspection reports for all materials used in construction prior to placing. The Contractor shall notify the Engineer 48 hours prior to beginning any work to have a representative present during all construction. Any work not observed or materials without inspection reports shall not be accepted for final payment. All deficiencies noted by the Engineer shall be corrected by the Contractor without cost to the Owner and prior to final payment.

The Contractor shall notify all utilities prior to beginning any work. All underground utilities shall be located by the utility involved and special care shall be taken to avoid any damage when excavating near utilities. All valves and manholes for existing utilities shall be adjusted to final grades. All existing and proposed manholes shall be exposed and set to final grade.

Any damage to existing valves, manholes, utilities, bituminous or concrete surfacing, and concrete curb and gutter shall be replaced or repaired without cost to the Owner.

All construction, materials and general appearance of proposed improvement shall meet the approval of the Winnebago County Highway Department and the Village of Cherry Valley prior to acceptance. The Contractor shall notify the Owner's Representative for approval of the earth subgrade prior to placing any base course. Prime or bituminous surface shall not be placed prior to approval of the base course and general appearance of site. The Contractor shall provide the Winnebago County Highway Department and Village of Cherry Valley certification for all bituminous materials used. The Contractor shall also provide a report showing density and thickness of bituminous mat from locations determined by the Owner's Representative.

The Contractor shall provide all concrete testing as required by the Winnebago County Highway Department and Village of Cherry Valley. Reports shall be provided to Owner's Representative prior to final payment.

Contractor shall install and maintain, repair and/or replace all erosion control devices installed.

Contractor shall coordinate with all utility companies the relocation of their utilities.

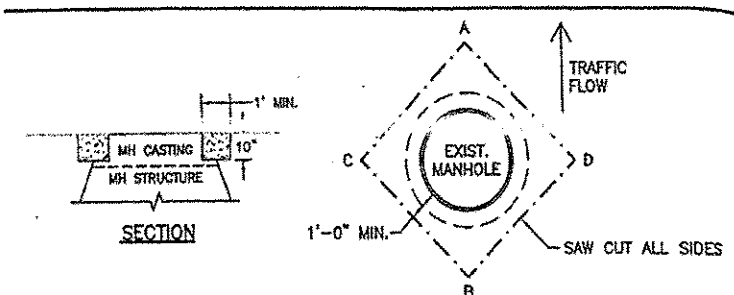
The District shall be notified at least 48 hours in advance when manhole adjustments are to be made, so the district may witness them. Rock River Water Reclamation District when manhole adjustments will be made, so the District may witness them.

District specifications require:

- a. A minimum of 4" inches of adjusting rings (4" adjustment ring not required in turf area or curb and gutter roadways).
- b. A maximum of 12" adjusting rings
- c. No more than one (1) 2" adjusting ring per manhole
- d. A maximum of 30" from the top of casting to the first step

Adjustment by grouting is not permitted.

If the casting being used is not a standard Neenah R1670 or East Jordan E1117, the Rock River Water Reclamation District, Supporting Services Department should be contacted prior to adjusting the manhole for a replacement casting. The Supporting Services Department may require a manhole chimney seal (which the District will furnish if required).

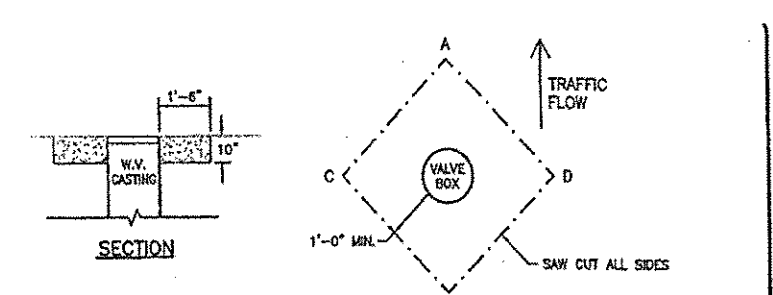


1. ADJUST MANHOLE AFTER PAVING IS COMPLETED.
2. SAW CUT SQUARE OPENING SET AT DIAGONAL, WITH POINTS OF DIAGONAL ABOUT 1.5' FROM EDGE OF MANHOLE.
3. REMOVE PAVEMENT MATERIAL AND ADJUST MANHOLE TO WITHIN 1/8" TO 3/8" OF TOP OF NEW PAVEMENT IF STRING IS PULLED FROM POINT A TO B. CHECK C TO D WITH STRING FOR POTENTIAL CONFLICT AND ADJUST AS NEEDED.
4. PRIOR TO PLACEMENT OF CONCRETE, MAKE SURE BASE IS COMPACTED SUFFICIENTLY & OUTSIDE EDGE OF OPENING HAS VERTICAL WALLS.
5. FILL VOID WITH MINIMUM OF 10" OF CONCRETE, THIS WORK SHALL MEET THE REQUIREMENTS OF ARTICLE 442.02 NOTE #1 AND ARTICLE 701.17(a)(2)&(3).
6. TROWEL OFF CONCRETE FLUSH WITH NEW PAVEMENT AND BROOM FINISH. MANHOLE FRAME SHALL BE RECESSED FROM CONCRETE NO MORE THAN 3/8".
7. 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 MANHOLES TO BE ADJUSTED, WHICH SHALL INCLUDE SAW CUTTING, REMOVAL OF MATERIAL, RISER RING, AND PLACEMENT OF CONCRETE.
8. 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.
9. 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.

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 6 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.

MANHOLE ADJUSTMENT DETAIL
N.T.S.



1. WATER VALVE BOX SHALL BE ADJUSTED AFTER PAVING IS COMPLETED.
2. SAW CUT SQUARE OPENING SET AT DIAGONAL, WITH POINTS OF DIAGONAL ABOUT 1.5' MINIMUM FROM EDGE OF WATER VALVE BOX.
3. REMOVE PAVEMENT MATERIAL AND ADJUST WATER VALVE BOX TO WITHIN 1/8" 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.
4. PRIOR TO PLACEMENT OF CONCRETE MAKE SURE THE BASE IS COMPACTED SUFFICIENTLY & OUTSIDE EDGE OF OPENING HAS VERTICAL WALLS.
5. FILL VOID WITH MINIMUM OF 10" OF CONCRETE, THIS WORK SHALL MEET THE REQUIREMENTS OF ARTICLE 442.02 NOTE #1 AND ARTICLE 701.17(a)(2)&(3).
6. TROWEL OFF CONCRETE FLUSH WITH NEW PAVEMENT AND BROOM FINISH. WATER VALVE BOX FRAME SHALL BE RECESSED FROM CONCRETE NO MORE THAN 3/8".
7. WATER VALVE BOX ADJUSTMENT MAY BE ACCOMPLISHED BY RAISING TOP SECTION OR BY PLACEMENT OF RISER RING. 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 WATER VALVES TO BE ADJUSTED.
8. THE CONTRACTOR SHALL ALSO MARK THE LOCATION OF EACH VALVE 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 WATER VALVE ADJUSTMENT.

NOTE:
IF AN ADJUSTING RING IS USED DURING THE PAVING OPERATION, AND ADJUSTED WATER VALVE BOX MATCHES THE NEW PAVEMENT WITHOUT FURTHER ADJUSTMENT, THEN SAW CUTTING, REMOVAL OF MATERIAL, AND CONCRETE PLACEMENT WILL NOT BE REQUIRED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO WATER VALVE TO BE ADJUSTED.

WATER VALVES:
IF CASTING IS REMOVED PRIOR TO PAVEMENT GRINDING OR PAVEMENT RE-SURFACING, A GEO TECHNICAL FABRIC SHALL BE PLACED OVER OPENING OF THE WATER VALVE THAT WAS HAMMERED OUT. A PLYWOOD COOKIE AND THE WATER VALVE 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 THE VALVE BOX PRIOR TO AND DURING THE ADJUSTMENT OF THE CASTING.

WATER VALVE ADJUSTMENT DETAIL
N.T.S.

FILE = S:\PROJECTS\2001\1139D01_PHASE II\DESIGN\PHASE 2 SUMMARY OF QUANTITIES.DGN

REVISION	DATE	BY	REMARKS
#1	03/22/13	TJA	100% COMMENTS FROM JAN. 28, 2013

WINNEBAGO COUNTY
VILLAGE OF CHERRY VALLEY
PERRYVILLE PATH SOUTHEAST CONNECTION

WILLETT HOFMANN
ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
57 AIRPORT DRIVE, ROCKFORD, IL 61107
815.964.2897 DESIGN PRJ# 1139D01

WHA #: 1139D01

PERRYVILLE PATH
GENERAL NOTES

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-00302-00-BT	WINNEBAGO	124	16
STA.	STA.		
WHA #:	DATE:		
1139D01	03/01/2013		