







GENERAL NOTES:

- SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER SEWER MAIN CONSTRUCTION IN ELINOUS, LATEST EDUTION.
- SEWERS, RISERS, AND SERVICE LATERALS MAY BE CONSTRUCTED OF ETHER DIP OR PVC PIPE MITS BEDOING AS INDICATED. CARRIER PIPES, MUST BE CONSTRUCTED OF DIP PIPE AS SPECIFED BELOW.

BUCTLE IRON PIPE: AWWA C151; THOKNESS AWWA C150; BITERIOR CEMENT LINING AND BITURINOUS COATINGS; EXTERIOR COAL TAR COATING, AWWA C104, PRESSURE (2.ASS 350. JOINTS SHALL BE AWWA C111 RUBBER RING SUP SEAL OR PUSH-ON TYPE.

POLYMNYL CHLORIDE. (PVC) PIPE: ASTN 03034, HEAVY WALL SEWER PIPE; SDR-26. JOINTS SHALL BE ASTN 03212 FLEXIBLE ELASTOMERIC SEALS.

- CONTRACTOR SHALL NOTIFY THE DEKALB SANTARY DISTRICT AND THE CITY OF DEKALB (IF IN PUBLIC RICHT-OF-WAY) 24 HOURS IN ADVANCE, OF THE BEGINNING OF SANTARY SEWER CONSTRUCTION.
- FULL LENGTH OF SANITARY SEWERS SHALL BE TESTED AS SPECIFIED IN DIMISION I, SECTION 31 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. THE CONTRACTOR SHALL NOTIFY THE DECAULS SANITARY DISTRICT 48 HOURS IN ADVANCE OF THE TESTING PROCEDURES. A REPRESENTATIVE OF THE DECAULS SANITARY DISTRICT MUST BE PRESENT TO GOSERVE THE TESTING PROCEDURES. TESTING WILL INCLUDE LOW PRESSURE AIR TESTING, DEFLECTION TESTING OF FLEXIBLE PIPE, AND PIPE LAMPING.
- SANITARY MANHOLE FRAME/CHIMNEY SEAL, SHALL CONSIST OF AN EXTERNAL RUBBER SLEEVE MANUFACTURED BY CRETEX SPECIALTY PRODUCTS OR AN ELASTOMERIC FRAME/CHIMNEY SEAL. THE ELASTOMERIC FRAME/CHIMNEY SEAL SHALL BE A SINGLE COMP

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BOND BREAKER MATERIAL SMALL BE POLYETHYLENE TAPE, 2 TO 3 INCHES WIDE WITH ONE SIDE HAVING ADMESIVE WHICH WILL READLY ADMENT TO ROOM AND MASCARY. THE OTHER SIDE SHALL BE TREATED OR COATED TO POSTIVELY PREVENT A BOND WITH THE ELASTOMERIC SEALER. BOND BREAKER SHALL BE COMPATIBLE FOR USE WITH THE SEALER AND SHALL BE FURNISHED OR RECOMMENDED BY THE SEALER SUPPLIER.

PRIMER AND CLEANER SHALL BE AS RECOMMENDED OR FURNISHED BY THE SEALER SUPPLIER.

THE FRAME/CHIMNEY SEAL SHALL BE INSTALLED BY SUFFICIENT HEIGHT TO COVER THE FRAME/CHIMNEY JOINT AND ANY JOINTS ABOVE AND BELOW.
ANY PRECAST ADJUSTMENT RINGS.

- 6. INSTALLATION OF FRAME/CHIMNEY SEAL:
 - INSTALL SEALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS,
 - POWER BRUSH TO ENSURE SURFACE TO RECEIVE SLEEVE IS CROSLAR, CLEAN, REASONABLY SMOOTH, AND FREE OF LOOSE MATERIAL AND VOIDS.
 - EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL:
 - (1) WHEN SURFACE IS ROUGH OR WREGULAR, CORRECT WITH APPROVED LOW-SHRINK WORTAR.
 - FILE ALL MINOR IRREGULARITIES WITH BUTTL RUBBER SEALANT.
 - PLACE RUBBER SLEEVE IN ROSITION AROUND MANHOLE AND TIGHTEN STAINLESS STEEL BANDS TO PROVIDE WATERTIGHT
 - (4) SKIRT:
 - WRAP AROUND LOWER PORTION OF CHIMNEY BEFORE BOTTOM BAND IS INSTALLED, AND EXTENDED OVER LOWER BAND RECESS. PULL SKRY TIGHT AND SOLVENT-WELD OVERLAPPED
 - ELASTOMERIC FRAME/CHIMNEY SEAL:
 - FILL DEPRESSIONS WHICH ARE GREATER THAN 1/4 HICH WITH HORTAR.
 - ALL SURFACES SHALL BE FREE OF DUST, OIL, RUST, LOOSE MATERIALS AND OTHER CONTAMINANTS, WIPE WITH CLEANER.
 - APPLY BOND BREAKER TAPE COMPLETLY AROUND MANHOLE. CENTERED OVER THE JOINT BETWEEN THE CASTING AND ADJACENT MASONRY.
 - (4) APPLY PRIMER MOMEDIATELY AFTER CLEANING.
 - APPLY SEALER WITH TROWEL, ROLLER OR SPRAYER TO APPLY BEALER WITH TROWEL, ROLLER OF SPRAYER TO ACHEVE A THEORIES OF NOT LESS THAN 100 WET MILS. DO NOT APPLY WHEN TEMPERATURE IS BELOW 40 BEGREES AND FALLING. APPLY SEALER 6 INCHES UP ON THE CASTING, OVER ADJUSTING RINGS, AND A MEMBRUM 6 INCHES BELOW THE TOP OF THE PRECAST COME SECTION.
 - ALLOW SEALER TO CURE 48 HOURS PRIOR TO BACKFILLING.
 - Immediately before backfilling, loosely whap two layers of 4 ML plastic sheet over the sealed area to prevent direct contact with backfill

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SANITARY MANHOLE TESTING

Sheet 2 of 2 all. New manholes to be tested with vacuum tester as follows:

- THE CONTRACTOR SHALL NOTIFY THE DEKALB SANITARY DISTRICT 48 HOURS IN ADVANCE OF THE TESTING PROCEDURE,
- CONTRACTOR SHALL TEST MANHOLE FROM TOP OF CONE SECTION ON DOWN. TESTING OF ADJUSTING RINGS AND THE FRAME TO MANHOLE JOINT IS
- PLUG ALL INCOMING AND OUTGOING SEWER AND SERVICE LINES AND RESTRAIN PLUGS.
- REMOVE UD AND PLACE VACUUM TESTER HEAD ON TOP PORTION OF CONE
- DRAW VACUUM OF 10 INCHES HG.
- TIME FOR VACUUM TO DROP TO 9 INCHES HG SHALL HOT BE LESS
 THAN 40, 50, OR 60 SECONDS FOR MANHOLE DIAMETERS OF 48, 60,
 AND 72 INCHES RESPECTIVELY.

 (1) FOR MANHOLES DEEPER THAN 20 FEET, TEST TIMES SHALL BE
 BICGREASED BY 2 SECONDS PER FOOT OF ADDITIONAL
 LIMITAGE SECONDS.
- MANHOLES THAT FAIL SHALL BE SEALED AND RETESTED BY CONTRACTOR AT NO ADDITIONAL COMPENSATION UNTIL MANHOLE IS ABLE TO PASS TEST.
- B. SEQUENCE OF MANHOLE CONSTRUCTION, TESTING
 - CONSTRUCT MANHOLE WITH LIB/CASTING SET TO APPROXIMATE FINISHED GRADE, LID MUST BE EXPOSED,
 - PERFORM SANTARY MANHOLE TESTING IN CONFORMANCE WITH HOTE 7.
 - ISOLATE AND REPAIR ANY LEAKING JOINTS, PIPE SEALS, ETC... OBTAIN PRE-APPROVAL OF REPAIR MATERIALS AND METHODS FROM DEKALS ASSANTARY DISTRICT. LEAKS MUST BE REPAIRED EXTERNALLY. "MPHING" OI MORTAR OR SEALANTS ON INSIDE SURFACE OF MANHOLE WILL NOT BE
 - THE DEKALB SANITARY DISTRICT WILL APPROVE THE PROJECT MANHOLES FOR PURPOSES OF OBTAINING OCCUPANCY PERMITS, ONCE ALL MANHOLES HAVE BEEN SUCCESSFULLY VACUUM TESTED.
 - ONCE THE LEVELING BINDER FOR THE STREET HAS BEEN CONSTRUCTED, ADJUST MANHOLE TO FINAL GRADE AND INSTALL FRAME/CHINNEY SEALS.
 - CONTACT DEKALB SANTARY DISTRICT FOR FINAL VISUAL INSPECTION OF FRAME/CHIMNEY SEAL INSTALLATIONS.
- 9. SYSTEM ISOLATION

THE DEKALB SANITARY DISTRICT WILL INSTALL ISOLATION PLUG(S) TO PROTECT THE "LIVE" DOWNSTREAM SANITARY SEWERS FROM EXTRAREOUS WATER AND DEBRIS DURING THE SEWER CONSTRUCTION.

The plugs will not be removed until the new seners have passed the required tests and inspections and at such time that, the district determines to be appropriate,

Tampering with or removal of the isolation plugs is a volation of dekalb sanitary district ordenance no. 259. Any person volating said ordinance provision is subject to fines, legal action and minediate arrest.

THE CONTRACTOR SHALL SUPPLY THROUGH HIS ENGINEER THE DISTRICT WITH TWO SETS OF RECORD DRAWNINGS. ONE SET IS TO BE A MYLAR COPY AND ONE SET IS TO BE A BLUELNE OR "KEROX" COPY. THE RECORD DRAWNIGS SHALL WIDICATE ANY CHANGES FROM GRIGHAL PLANS.

THE REGORD DRAWINGS SHALL INCLUDE THE FOLLOWING: 1) THE RM AND INVERT ELEVATIONS (USES/AISL, DATAM). 2) THE K GRADE, SZE, PIPE MATERIAL AND DISTANCE FROM MAINGLE TO MAINFALE. 3) THE DISTANCE FROM A DEFENDE MAINGLE TO EACH SERVICE WITE OR TEE AND THE LOCATION OF LATERALS AT LOT PROPERTY LOSS (MEASURED FROM LOT LINE PINS). 4) SIZE & MATERIAL SERVICE LATERALS ARE MADE OF.

RECORD BRAWNGS ARE TO BE LABELED "RECORD DRAWNGS", AND DATED AND SIGNED BY AN ENGNEER LISCENSED IN THE STATE OF ILLNOIS.

11. PROJECT COMPLETION/ACCEPTANCE

TO ASSURE A TIMEY ACCEPTANCE OF THE NEW SEWER, ALL DEFICIENCIES SHALL BE NOTED DURING THE DISTRICT'S INSPECTIONS AND SHALL BE CORRECTED PRIOR FINAL INSPECTION. THE PLACEMENT OF A NEW SYSTEM INTO SERVICE OR THE ISSUANCE OF OCCUPANCY PERMITS MAY BE JEOPARDIZED UNIT. ALL REQUIREMENTS ARE COMPLETED.

REV, DATE DESIGNED: DUR. BELING DRAWN EM HECKED: MLP **CONSULTANTS** DATE:

Professional Engineering . Since 1936 Moline, H. Columbus, Oh. Devenport, ic. Chicago, H. Joilet, E. Psorie, B. Beloit, W.

PRELIMINAR

GENERAL NOTES AND DETAILS DEKALB SANITARY DISTRICT DEKALB

SECTION 05-00001-01-PV LLINOR

PINAL