

# BEACON KNOLL ESTATES, PHASE 3

## SUPERIOR, WI.

### GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, METROD, AND STANDARD SPECIFICATIONS FOR WATER AND SEWER MAINS, WISCONSIN TENTH EDITION, RESOLUTION CONCERNING THE BEST MANAGEMENT PRACTICE HANDBOOK, RESOLUTION ADMINSTRATIVE CODE, LATEST EDITION, AND APPLICABLE LOCAL ORDINANCES.

2. BENCH MARK ELEVATIONS ARE TOP OF MANHOLE FRAMES.

3. 300 TO 0.0 INDICATES TOP OF CURB ELEVATION.  
300.0 P.F. INDICATES ELEVATION OF FINISHED FRAME  
300.0 G.H. INDICATES ELEVATION OF GROUND @ PROPOSED HYDRANT LOCATION.

4. PAV. ITEM - BITUMINOUS CON. SURFACE CLR. - SHALL INCLUDE BITUMINOUS MATERIAL (PRIME) ACCORDING TO THE STANDARD SPECIFICATIONS.

5. PAV. ITEM - PAVEMENT RESOLUTION - SHALL INCLUDE TOPSOIL, PLACEMENT AND SEEDING ACCORDING TO THE STANDARD SPECIFICATIONS.

6. THE LOCATION OF EXISTING UTILITIES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UTILITY INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS.

7. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IN ORDER TO HAVE EXISTING UNDERGROUND LOCATIONS STAKED PRIOR TO CONSTRUCTION. NOTE: ALL CONTRACTORS TO NOTIFY CITY ENGINEER THREE (3) WORKING DAYS PRIOR TO COMMENCEMENT OF WORK. FAILURE TO DO SO MAY RESULT IN REJECTION OF COMPLETED WORK.

8. ELEVATION DATUM IS UGSS.

9. CONTRACTORS AND SUB-CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. ALL TOLERANCES OR CONDITIONS SHALL IMMEDIATELY BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.

### SANITARY SEWER CONSTRUCTION

1. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER.

2. ALL SANITARY SEWER AND SEWER PIPE JOINTS SHALL CONFORM TO:  
PVC SEWER - CASSETT - CLASS 2  
SCHEDULE 40S  
PVC S - SPP-33 ASTM D2241

3. MINIMUM BEDDING: FOUR INCHES BELOW PIPE TO SPRING LINE, EXCEPT FOR P.V.C. WHICH SHALL BE FOUR INCHES BELOW PIPE. MINIMUM THREE INCHES ABOVE THE TOP OF THE PIPE. BEDDING SHALL BE OF GRADE #2 SAND.

4. MANHOLES SHALL HAVE FOUR INCHES OF STONE BEDDING. THE JOINTS SHALL HAVE TOP RING OR SHALL BE PERFORMED BITUMINOUS PLASTIC CASSETT WITH PEEL MATERIAL FLOOR SIMILAR TO RAM-WEB TO PROVIDE A WATERPROOF SEAL.

5. WATER-STOP CASSETT SHALL BE PROVIDED AT ALL SANITARY SEWER MANHOLE CONNECTIONS. SUCH CASSETS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE TYPE OF PIPE USED.

6. WHEREVER UTILITIES CROSS PAVED AREAS, TRENCHES SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL. WHEREVER ONE UTILITY TRENCH CROSSES ANOTHER, THE LOWER TRENCH SHALL IN ALL CASES BE BACKFILLED WITH APPROVED GRANULAR MATERIAL.

7. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:

1. CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS (SEWER TAP MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
2. REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
3. WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT THE END LEGS OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND-SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.

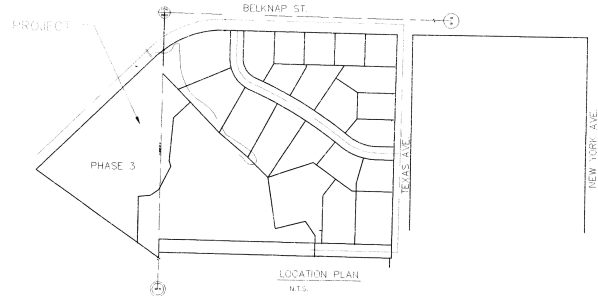
8. WHEREVER A SEWER CROSSES UNDER A WATERMAIN OR STORM SEWER, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18". FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10" BETWEEN SANITARY SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS THE SEWER IS Laid IN A SEPARATE TRENCH. NOTING: A MINIMUM 18" VERTICAL SEPARATION OF THE SEWER IS Laid IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE OF A TRENCH OF UNDISTURBED EXISTING BEDDING. A MINIMUM 18" VERTICAL SEPARATION, IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES REFERRED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE MAIN, THE SEWER PIPE SHALL BE CAST IRON, OUTSIDE PIPE OR AN APPROVED EQUIVALENT.

9. ALL EXISTING SEPTIC SYSTEMS TO BE ABANDONED. ABANDONED TANKS TO BE FILLED OR REMOVED.

10. SANITARY SEWER SHALL BE AIR TESTED.

11. FOLLOWING INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROL, DRAIN, SWALES, DITCHES, PERIMETER GROVES, AND ALL SLOPES GREATER THAN 1:1 IN SECTION. ALL OTHER DISTURBED OR GRADED AREAS WILL BE STABILIZED WITHIN FORTY-FIVE CALENDAR DAYS.

ENGINEER'S SIGNATURE  
C. R. [Signature]  
P.E. NO. E-17541



SHEET	DESCRIPTION
1	TITLE
2	EXISTING TOPOGRAPHY
3	SITE PLAN
4	GRADED PLAN
5	PROFILES
6	DETAILS
7	EROSION CONTROL PLAN
8	EROSION CONTROL STANDARDS

REVIEWED AND APPROVED BY THE  
DIV. FOR ENVIRONMENTAL QUALITY,  
DEPT. OF NATURAL RESOURCES IN  
ACCORDANCE WITH SEC. 10.00 AND  
10.01, SUBJECT TO THE APPROVAL  
SET FORTH IN THE CITY OF SUPERIOR  
APPROVAL NUMBER: 10-11-22  
APPROVAL DATE: 9-26-22

RECEIVED DNR  
SEP 07 2024  
BUREAU OF  
WASTEWATER MGMT.

		<b>CRI ENGINEERING</b> Civil Engineering and Planning Construction Management	
		12 RADGER DRIVE SUPERIOR, WI. 54080 (715) 354-7330 FAX (715) 354-7333	DESIGNED BY: CRI CHECKED BY: SCALE: 1"=50' DATE: 7/19/24 JOB NUMBER: SHEET: 1
JOB NAME: BEACON KNOLLS ESTATES PHASE 3 SUPERIOR, WI.		DESCRIPTION: TITLE	