

BEACON KNOLLS ESTATES, PHASE 3

SUPERIOR, WI.

GENERAL NOTES

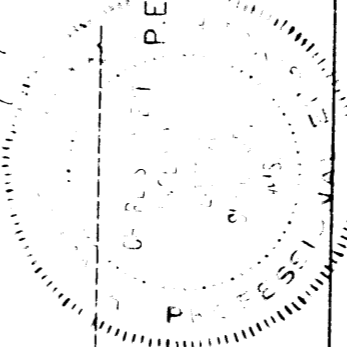
1. COPY SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, WISCONSIN DEPARTMENT OF TRANSPORTATION, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, WISCONSIN DEPARTMENT OF REVENUE, WISCONSIN DEPARTMENT OF WORKERS COMPENSATION, WISCONSIN DEPARTMENT OF SAFETY, WISCONSIN DEPARTMENT OF AGRICULTURE, WISCONSIN DEPARTMENT OF CORRECTIONS, WISCONSIN DEPARTMENT OF HEALTH SERVICES, WISCONSIN DEPARTMENT OF SOCIAL SERVICES, WISCONSIN DEPARTMENT OF TOWNSHIP AND VILLAGE AFFAIRS, WISCONSIN DEPARTMENT OF TRANSPORTATION, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, WISCONSIN DEPARTMENT OF REVENUE, WISCONSIN DEPARTMENT OF WORKERS COMPENSATION, WISCONSIN DEPARTMENT OF SAFETY, WISCONSIN DEPARTMENT OF AGRICULTURE, WISCONSIN DEPARTMENT OF CORRECTIONS, WISCONSIN DEPARTMENT OF HEALTH SERVICES, WISCONSIN DEPARTMENT OF SOCIAL SERVICES, WISCONSIN DEPARTMENT OF TOWNSHIP AND VILLAGE AFFAIRS.
2. BENCH MARK ELEVATIONS ARE TOP OF MANHOLE FRAMES.
3. 830.0 I.C. INDICATES TOP OF CURB ELEVATION.
830.0 F.F. INDICATES ELEVATION OF FINISHED FRAME.
830.0 M.H. INDICATES ELEVATION OF GROUND @ PROPOSED HYDRANT LOCATION.
4. PAY ITEM - BITUMINOUS CON. SURFACE CLR - SHALL INCLUDE BITUMINOUS MATERIAL (PRIME) ACCORDING TO THE STANDARD SPECIFICATIONS.
5. PAY ITEM - PARKWAY RESTORATION - 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 THE LOCATION OF UTILITIES INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS.
7. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IN ORDER TO HAVE EXISTING UNDERGROUND LOCATIONS STAKED PRIOR TO CONSTRUCTION NOTES: ALL CONTRACTORS TO NOTIFY CITY ENGINEER THREE (3) WORKING DAYS PRIOR TO START OF WORK. FAILURE TO DO SO MAY RESULT IN REJECTION OF COMPLETED WORK.
8. ELEVATION DATUM IS USCS.
9. CONTRACTORS AND SUB-CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ELEVATIONS OR DIMENSIONS SHALL IMMEDIATELY BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.

SANITARY SEWER CONSTRUCTION

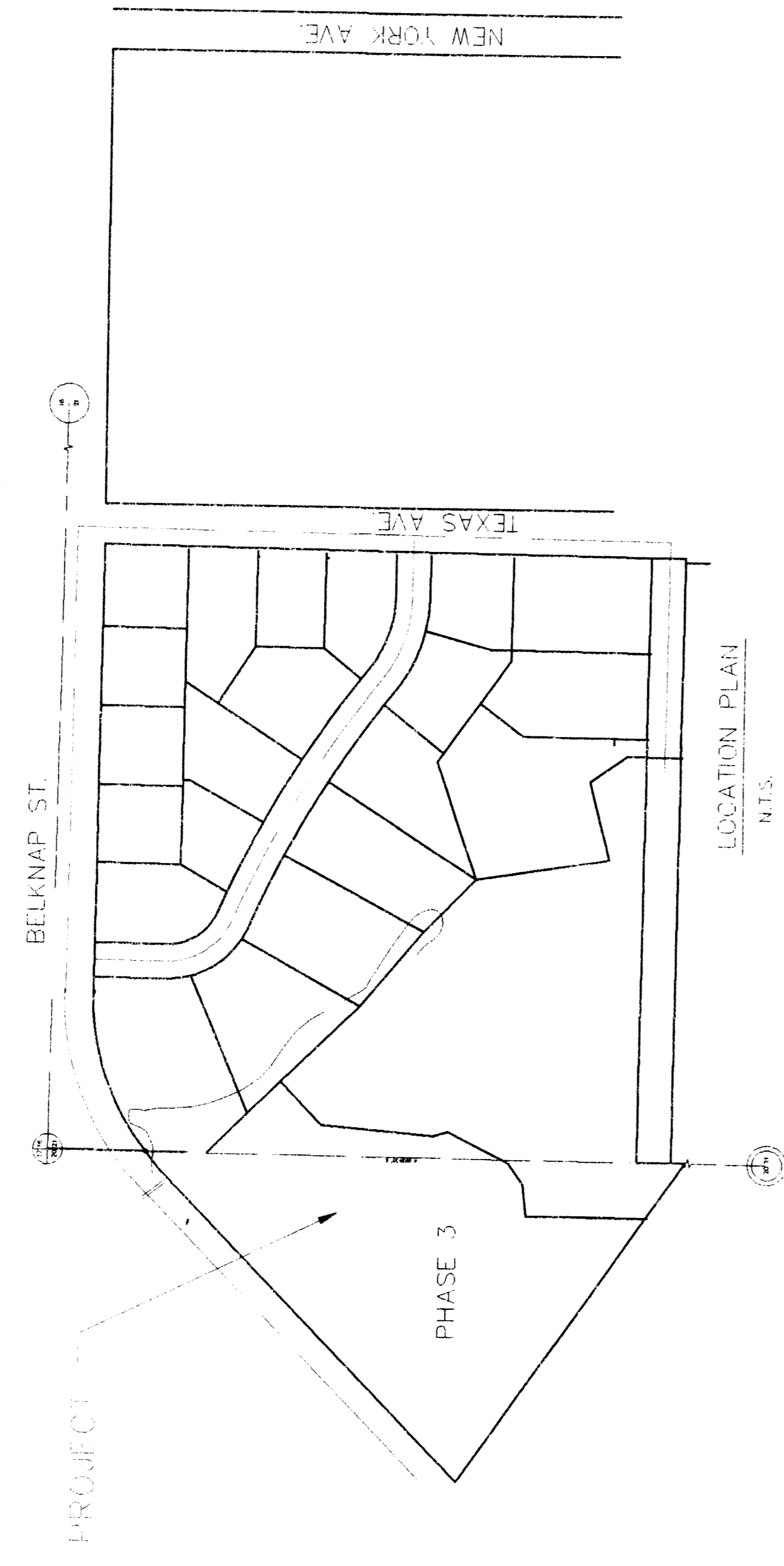
1. ALL FLOOR GRABNS SHALL DISCHARGE TO THE SANITARY SEWER.
2. ALL SANITARY SEWER AND SEWER PIPE JOINTS SHALL CONFORM TO:
PVC SEWER JOINTS = D2285
PPE = SDR 35 ASTM D2241
3. MINIMUM BEDDING - FOUR INCHES BELOW PIPE TO SPRING LINE. EXCEPT FOR P.V.C. WHICH SHALL BE FOUR INCHES BELOW PIPE TO TWELVE INCHES 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 TO BE PROTECTED WITH BITUMINOUS PLASTIC GASKET WITH INERT MATERIAL FILLER SIMILAR TO RAM-PAC TO PROVIDE A WATER-TIGHT SEAL.
5. WATER-STOP GASKET SHALL BE PROVIDED AT ALL SANITARY SEWER MANHOLE CONNECTIONS. SUCH GASKETS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE TYPE OF PIPE USED.
6. WHEREVER UTILITIES CROSS PAVED AREAS, TRENCHES SHALL BE FILLED WITH APPROVED GRANULAR MATERIAL. WHEREVER ONE UTILITY TRENCH CROSSES ANOTHER, THE DEEPER TRENCH SHALL IN ALL CASES BE BACK-FILLED 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. CUT SEWER MAIN OUT OF SEWER MAIN BY PROPER TOOLS.
2. INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
3. REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE BRANCH OR BELL) AND REPLACE WITH A WYE OR TEE.
4. WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH 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 SEWER SHALL BE LAIN FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN CHALLENGE. THE SEWER SHALL BE PROTECTED BY MAINTAINED UNLESS THE SEWER IS LAIN IN A SEPARATE TRENCH. THE TRENCH SHALL BE MAINTAINED UNLESS THE SEWER IS LAIN IN THE SAME TRENCH WITH THE WATERMAIN. THE SEWER SHALL BE LAIN ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM OF ONE FOOT VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL CROSSES ABOVE THE MAIN, THE MAIN SHALL BE MAINTAINED. OF THE SEWER CROSSES ABOVE THE MAIN, THE SEWER PIPE SHALL BE CAST IRON, DUCTILE IRON OR AN APPROVED EQUIVALENT.
9. ALL EXISTING SEPTIC SYSTEMS TO BE ABANDONED. ABANDONED TANKS TO BE FILED OR REMOVED.
10. SANITARY SEWER SHALL BE AIR TESTED.
11. FOLLOWING INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) DAYS TO THE SURFACE OF ALL PERMETER CONTROL DRESSES, SWALES, DITCHES, PERMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1. IN ADDITION, FOURTEEN CALENDAR DAYS AFTER THE COMPLETION OF GRADED AREAS WILL BE STABILIZED WITHIN FOURTEEN CALENDAR DAYS.

C. Kelly
ENGINEER'S SIGNATURE
E-1754
P.E. NO.



SHEET	DESCRIPTION
1	EXISTING TOPOGRAPHY
2	CUT PLAN
3	VOIDED
4	GRADING PLAN
5	PROFILES
6	DETAILS
7	EROSION CONTROL PLAN
8	EROSION CONTROL STANDARDS



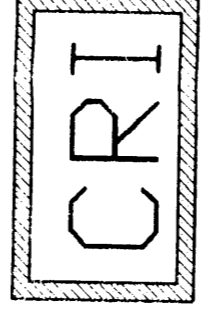
LOCATION PLAN
N.T.S.

REVIEWED AND APPROVED BY THE
DEPT. OF ENVIRONMENTAL QUALITY
DEPT. OF NATURAL RESOURCES IN
ACCORDANCE WITH THE WISCONSIN
STATE STATUTES AND REGULATIONS
SET FORTH IN THE LIST OF APPROVED
APPROVAL NUMBER: 96-1422
APPROVAL DATE: 9-26-94

RECEIVED DNR
SEP 07 1994

BUREAU OF
WASTEWATER MGMT.

CRI ENGINEERING
Civil Engineering
Construction Management
18 BADGER DRIVE SUPERIOR, WI. 54680
715/394-7339 FAX (715) 394-7333



JOB NAME	BEACON KNOLLS ESTATES	DRAWN BY:	CRJ	CHECKED BY:	
	PHASE 3	SCALE:	1"=50'		
	SUPERIOR, WI.	DATE:	7/19/94		
DESCRIPTION	TITLE	JOB NUMBER		SHEET	1
					1

BENCHMARK:
TOP OF ST. MANHOLE AT S.W. CORNER
OF BELKNAP and TEXAS AVE.
ELEV. = 837.15