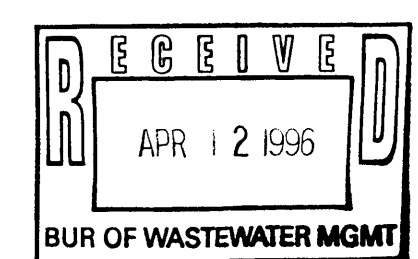
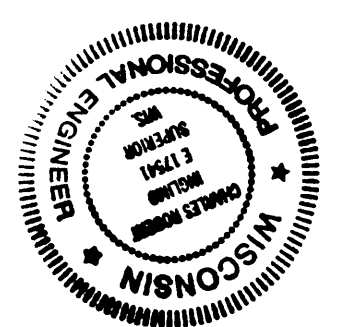


GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WISDOT, AND STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN IN WISCONSIN, 5th EDITION, WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK AND APPLICABLE SUPERIOR, WI. ORDINANCES.
  - BENCH MARK ELEVATIONS ARE TOP OF MANHOLE FRAMES.
  - 830.0 T.C. INDICATES TOP OF CURB ELEVATION.  
830.0 F.F. INDICATES ELEVATION OF FINISHED FRAME.  
830.0 G.H. INDICATES ELEVATION OF GROUND @ PROPOSED HYDRANT LOCATION.
  - PAY ITEM - BITUMINOUS CON. SURFACE CL.B. - SHALL INCLUDE BITUMINOUS MATERIAL (PRIME) ACCORDING TO THE STANDARD SPECIFICATIONS.
  - PAY ITEM - PARKWAY RESTORATION - SHALL INCLUDE TOPSOIL PLACEMENT AND SEEDING ACCORDING TO THE STANDARD SPECIFICATIONS.
  - 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.
  - THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IN ORDER TO HAVE EXISTING UNDERGROUND LOCATIONS STAKED PRIOR TO CONSTRUCTION.
- NOTE: ALL CONTRACTORS TO NOTIFY VILLAGE ENGINEERS THREE (3) WORKING DAYS PRIOR TO COMMENCEMENT OF WORK, FAILURE TO DO SO MAY RESULT IN REJECTION OF COMPLETED WORK.
8. ELEVATION DATUM IS USGS.
- SANITARY SEWER CONSTRUCTION
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER.
  - ALL SANITARY SEWER AND SEWER PIPE JOINTS SHALL CONFORM TO:
    - PVC SEWER - GASKET = D-3212
    - SOLVENT = D2855
    - PIPE = SDR 35 ASTM D2241
  - 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.
  - MANHOLES SHALL HAVE FOUR INCHES OF STONE BEDDING. THE JOINTS SHALL HAVE "O" RING OR SHALL BE PERFORMED BITUMINOUS PLASTIC GASKET WITH INERT MATERIAL FILLER SIMILAR TO PAN-BEK TO PROVIDE A WATER TIGHT SEAL.
  - 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.
  - 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.
  - 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:
    - 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.
    - REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF THE HILL) AND REPAIR WITH A WYE OR TEE BRANCH SECTION.
    - WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DEFECTED LENGTH OF PIPE FOR REPLACEMENT OF PROPER FITTING, USING "HAND-SEAL" OR SIMILAR CONNECTION TO HOLD IT FIRMLY IN PLACE.
  - WHENVER A SEWER CROSSES UNDER A WATERMAIN OR STORM SEWER, THE MINIMUM VERTICAL CLEARANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE:
    - FOR WATERMAIN: A MINIMUM HORIZONTAL SEPARATION OR TO BRUSHED SANITARY SEWERS AND WATERMAIN SHALL BE MAINTAINED UNLESS THE SEWER IS IN A "PARALLEL" TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION AT THE WYE'S TEE, IN THE SAME TRENCH WHILE THE WATERMAIN LOCATED AT THE OPPOSITE SIDE OF A BRANCH OF BRUSHED SANITARY, KEEPING A MINIMUM 18" VERTICAL SEPARATION UNLESS THE WATERMAIN IS LOCATED AT THE SEWER CROSSES ABOVE THE SEWER. ALL SEWER SHALL BE COVERED WITH DOUBLE BRICK OR AN APPROVED EQUIVALENT.
    - IF BY ANY MEANS THE SYSTEM TO BE MAINTAINED, APPROVED TRENCH TO BE USED FOR SEWER.
    - SANITARY SEWER SHALL BE AIR TESTED.
  - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH ALL LABOR AND MATERIAL FOR THE TESTING, AND SHALL SAFELY VERIFY THAT THE TESTS CAN BE SUCCESSFULLY COMPLETED PRIOR TO BEGINNING THE ENGINEER'S INSPECTION FOR THE PROJECT.
  - FOLLOWING INITIAL SOIL DISTURBANCE PERMITS OR TEMPORARY DISTURBANCE SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF THE NOTICE OF ALL PERMITS, CONTRACTS, DISTURBANCE PERMITS, AND ALL SIGNS GREATER THAN 10' IN ADDITION ALL OTHER DISTURBED OR OPEN AREAS WILL BE STABILIZED WITHIN FOUR (4) CALENDAR DAYS.
- C. J. P. [Signature]* 4/4/96 E11541  
ENGINEER'S SIGNATURE
1. HEREBY, CERTIFY THAT ALL PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY ME AND IN COMPLIANCE WITH MUNICIPAL ORDINANCES AND WITH GOOD ENGINEERING PRACTICE.



REVIEWED AND APPROVED BY THE  
DIV. FOR ENVIRONMENTAL QUALITY,  
DEPT. OF NATURAL RESOURCES IN  
ACCORDANCE WITH SEC. 144.04 WIS.  
STATS. SUBJECT TO THE CONDITIONS  
SET FORTH IN THE LETTER OF APPROVAL

APPROVAL NUMBER: *11-11-533*

APPROVAL DATE: *4/23/96*

LOCATION MAP

LOTS 5-8 BLOCK 473  
WEST SUPERIOR NINE TEENTH DIVISION  
SEC 21-49-14  
SUPERIOR, WI.  
DOUGLAS CTY.

<p>CRI ENGINEERING Civil Engineering Land Planning Construction Management 12 BADGER DRIVE SUPERIOR, WI. 54880 (715) 394 7338 FAX (715) 394 7233</p>		JOB NAME	DRAWN BY: <i>CRJ</i>	CHECKED BY:
		SAN. SEWER EXTENSION FOR PHILIP LEONACK		SCALE: 1" = 50'
DESCRIPTION: PLAN		DATE: 3/30/96	JOB NUMBER	SHEET
				SHEET #1