

MANHOLE OR CATCH BASIN		ELEVATIONS		SEWER PIPE LEAVING		TO	COMMENTS
STRUCTURE	INSIDE DIA.*	CASTING**	RIM	INVERT	LENGTH	STRUCTURE	
CB1	27"	R-3250-B	1095.35	1092.10	276 LF	15" RCP @ 0.28%	CB3
CB2	27"	R-3250-B	1094.80	1091.80	46 LF	12" RCP @ 1.08%	CB3
CB3	48"	R-3250-B	1094.80	1091.32	22 LF	18" RCP @ 0.22%	STMHI
STMHI	66"	R-1733	1095.25	W: 1091.27	EXISTING	EXISTING	EXISTING INV N.S. 1087.52
CB4	54"	R-3250-B	1094.45	1088.46	EXISTING	EXISTING	EXISTING
CB5	54"	R-3250-B	1094.45	1088.31	EXISTING	EXISTING	EXISTING
CB6	27"	R-3250-B	1094.60	1091.60	30 LF	12" RCP @ 0.40%	CB7
CB7	48"	R-3250-B	1094.60	1091.48	40 LF	15" RCP @ 0.40%	EXISTING MH INV E: 1091.32

* MANHOLE INTERIOR DIAMETERS WERE DETERMINED USING SIZING CALCULATION SOFTWARE PROVIDED BY ELK RIVER CONCRETE. THE CONTRACTOR SHALL VERIFY THAT THE INTERIOR DIAMETERS SHOWN ON THE ABOVE TABLE ARE APPROPRIATE.
 ** ALL SPECIFIED CASTINGS ARE MANUFACTURED BY NEENAH FOUNDRY COMPANY
 *** ALL CASTING FRAMES SHALL HAVE FULL CIRCULAR BASES

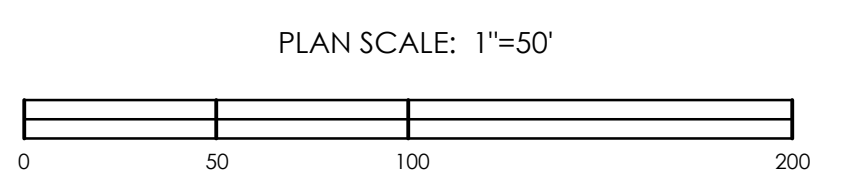
GRADING NOTES:

- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATIONS, AND RIM AND INVERT ELEVATIONS, OF EXISTING DRAINAGE AND SANITARY STRUCTURES. LOCATION AND SIZE OF EXISTING SANITARY, WATER, AND STORM SEWER STUBS, AND EXISTING GRADES SHALL ALSO BE VERIFIED.
 - EXISTING TOPOGRAPHICAL INFORMATION WAS OBTAINED FROM A TOPOGRAPHICAL SURVEY COMPLETED BY SUNDE LAND SURVEYING, AND PROVIDED BY THE COLLEGE OF ST. BENEDICT.
 - CONTROL:
 Mn/DOT Control Station "SEPH"
 Northing: 204,387.364
 Easting: 719,633.381
 Elevation: 1,074.906

 HORIZONTAL DATUM: Stearns County Coordinates (NAD83, 1996 HARN Adjustment)
 VERTICAL DATUM: NAVD 88

 Local Benchmarks Established:
 Top Rim of Sanitary Manhole in Callaway Street, Appx. 250 feet West of 4th Ave.
 Elevation = 1094.61

 Elevations verified with the College of St. Benedict's Student Housing Project 2011 plans by Anderson-Johnson Associates, Inc., per existing elevations of sanitary manholes along Callaway Street.
 - NOTIFY ENGINEER IMMEDIATELY IF ANY INCONSISTENCIES ARE DISCOVERED BETWEEN ACTUAL SITE CONDITIONS AND WHAT IS SHOWN ON THE PLANS, WHICH ARE SIGNIFICANT ENOUGH TO ALTER THE INTENT OF THE DRAWINGS.
 - THE CONTRACTOR SHALL CONTACT GOPHER ONE CALL AT (800) 252-1166 FOR A UTILITY LOCATE PRIOR TO THE START OF CONSTRUCTION AND VERIFY LOCATIONS OF UTILITIES BEFORE BEGINNING WORK.
 - SEE SHEET C2 FOR STANDARD DETAILS.
 - ALL LENGTHS OF STORM SEWER OR CULVERT PIPE SPECIFIED ON THIS PLAN INCLUDE THE LENGTHS OF ANY ASSOCIATED FLARED END SECTIONS.
 - FINISHED ELEVATIONS OF LAWN/GREEN AREAS ADJACENT TO BUILDINGS SHALL BE A MINIMUM OF 6" BELOW FINISHED FLOOR OR TOP-OF-BLOCK ELEVATION.
 - CONTRACTOR SHALL PERFORM CALCULATIONS TO VERIFY EARTHWORK QUANTITIES. CONTRACTOR'S BID SHALL BE BASED ON EARTHWORK CALCULATIONS COMPLETED BY THE CONTRACTOR
 - SPOT ELEVATIONS ARE FLOW LINE AND/OR FINISHED GRADES, UNLESS OTHERWISE INDICATED. TOP OF CURB ELEVATIONS ARE 6" ABOVE THE FLOW LINE SPOT ELEVATION SHOWN ON THE PLANS, UNLESS NOTED OTHERWISE.
 - ALL PROPOSED ELEVATIONS ARE TOP OF PAVING OR GUTTER, UNLESS NOTED OTHERWISE. PROPOSED ELEVATIONS ARE INTENDED TO PROVIDE POSITIVE DRAINAGE TOWARDS CATCH BASINS AND/OR OUTLETS. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE REQUIRED ELEVATIONS, WHICH WILL PROMOTE POSITIVE DRAINAGE THROUGHOUT THE PROJECT SITE.
- NOTE: CADD FILES FOR ESTIMATING EARTHWORK QUANTITIES ARE AVAILABLE TO CONTRACTORS FOR PREPARING BIDS. IN ORDER TO RECEIVE THE CADD FILES, THE CONTRACTOR WILL NEED TO SIGN A HOLD-HARMLESS AGREEMENT PROVIDED BY SCHULTZ ENGINEERING & SITE DESIGN, AND AGREE TO PAY A \$30 PROCESSING FEE. THE CADD FILES WILL BE RELEASED UPON RECEIPT OF THE CHECK



NO.	DATE	REVISIONS
1	06/19/2012	REVISED 8-PLEX DETACHED GARAGE, ADDED OVERFLOW TO TEMP. INFILTRATION BASIN

JOB NUMBER: COLLC1201 10-124-29

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: BRIAN J. SCHULTZ LIC. NO.: 43129 DATE: 06/19/2012

DESIGNED BJS
 DRAWN BJS
 CHECKED BJS

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OVERALL GRADING PLAN
 COLLEGE 3RD ADDITION SHEET C8 OF 14