

**GRADING & DRAINAGE NOTES:**

- ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING LOCAL, MDOT, MADEC, MUTC, AND AASHTO.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PROVIDED BY ALLEN & MAJOR ASSOCIATES, INC., EXCLUDES ANY SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLANS DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE
- ALL ELEVATIONS REFER TO NAVD 88.
- PIPE DIMENSIONS ARE MEASURED FROM THE CENTER OF THE STRUCTURE.
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
- ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 2 FOOT
- ROOF DRAINS SHALL BE COLLECTED BY GUTTER SYSTEM AND DIRECTED TO A LOCAL SUBSURFACE INFILTRATION SYSTEM.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "DRAIN".
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE
- ALL DRAINAGE SHALL CONFORM TO LOCAL AND MADEC REQUIREMENTS.

DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
CB-01	RIM=259.43 INV.OUT=256.20 (DMH-01) 33LF, 12"HDPE, S=3.32%
CB-02	RIM=258.73 INV.OUT=256.50 (DMH-01) 22LF, 12"HDPE, S=1.80%
CB-03	RIM=261.72 INV.OUT=257.60 (DMH-02) 27LF, 12"HDPE, S=3.00%
CB-04	RIM=261.26 INV.OUT=257.46 (DMH-02) 22LF, 12"HDPE, S=3.00%
CB-05	RIM=254.15 INV.OUT=250.71 (DMH-03) 21LF, 12"HDPE, S=1.00%
CB-06	RIM=254.22 INV.OUT=250.61 (DMH-03) 11LF, 12"HDPE, S=1.00%
CB-07	RIM=247.49 INV.OUT=243.46 (DMH-06) 20LF, 12"HDPE, S=2.00%
CB-08	RIM=246.68 INV.OUT=243.40 (DMH-06) 17LF, 12"HDPE, S=2.00%

DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
CB-09	RIM=240.61 INV.OUT=234.88 (DMH-07) 28LF, 12"HDPE, S=1.00%
CB-10	RIM=239.42 INV.OUT=234.69 (DMH-07) 9LF, 12"HDPE, S=1.00%
CB-11	RIM=233.67 INV.OUT=229.24 (DMH-08) 14LF, 12"HDPE, S=1.00%
CB-12	RIM=233.72 INV.OUT=229.29 (DMH-08) 19LF, 12"HDPE, S=1.00%
CB-13	RIM=227.25 INV.IN=223.63 (DMH-09) 9LF, 12"HDPE, S=3.00%
CB-14	RIM=227.69 INV.OUT=223.98 (DMH-09) 21LF, 12"HDPE, S=3.00%
CB-15	RIM=220.63 INV.OUT=217.40 (DMH-10) 9LF, 12"HDPE, S=3.72%
CB-16	RIM=220.61 INV.OUT=217.40 (DMH-10) 15LF, 12"HDPE, S=2.29%

DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
CB-17	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
CB-18	RIM=213.83 INV.OUT=210.30 (DMH-11) 37LF, 12"HDPE, S=1.00%
CB-19	RIM=238.52 INV.IN=225.10 (CB-02) INV.IN=225.10 (CB-01) INV.OUT=251.51 (DMH-04) 64LF, 15"HDPE, S=3.00%
CB-20	RIM=260.66 INV.IN=256.80 (CB-04) INV.IN=256.80 (CB-03) INV.OUT=251.81 (DMH-04) 75LF, 15"HDPE, S=3.00%
CB-21	RIM=227.21 INV.IN=223.10 (DMH-08) INV.IN=223.10 (CB-14) INV.IN=223.35 (CB-13) INV.IN=219.40 (DMH-10) 147LF, 24"HDPE, S=2.00%
CB-22	RIM=254.76 INV.IN=250.50 (CB-06) INV.IN=250.50 (CB-05) INV.OUT=250.40 (DMH-04) 55LF, 15"HDPE, S=1.00%
CB-23	RIM=248.65 INV.IN=239.55 (CB-06) INV.OUT=239.55 (DMH-12) 95LF, 12"HDPE, S=5.00%
CB-24	RIM=220.46 INV.IN=216.55 (DMH-09) INV.IN=217.05 (CB-15) INV.IN=217.05 (CB-16) INV.OUT=210.40 (DMH-11) 113LF, 24"HDPE, S=1.30%
CB-25	RIM=215.34 INV.IN=208.93 (DMH-10) INV.IN=209.93 (CB-17) INV.IN=209.93 (CB-18) INV.OUT=208.80 (HW-01) 62LF, 24"HDPE, S=1.34%
CB-26	RIM=257.23 INV.IN=249.60 (DMH-01) INV.IN=249.60 (DMH-02) INV.IN=249.85 (DMH-03) 159LF, 18"HDPE, S=1.79%
CB-27	RIM=246.62 INV.IN=232.63 (IS-1-RISER) 124LF, 15"HDPE, S=4.32%
CB-28	RIM=207.38 INV.IN=204.75 (EX-CB-A) INV.IN=204.65 (JELLYFISH) INV.OUT=204.65 (EX-CB-B) 6LF, 12"RCP, S=0.82%
CB-29	RIM=237.75 INV.IN=229.33 (DMH-12) INV.OUT=229.23 (IS-1-RISER) 124LF, 15"HDPE, S=2.00%
CB-30	RIM=238.03 INV.IN=234.80 (OCS-02) INV.OUT=232.63 (DMH-05) 76LF, 15"HDPE, S=4.32%
CB-31	RIM=246.62 INV.IN=243.06 (CB-07) INV.IN=243.06 (CB-08) INV.OUT=242.96 (DMH-07) 146LF, 15"HDPE, S=5.72%
CB-32	RIM=220.46 INV.IN=220.00 (IS-1-RISER) 15LF, 15"HDPE, S=0.00%
CB-33	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-34	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-35	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-36	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-37	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-38	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-39	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-40	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-41	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-42	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-43	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-44	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-45	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-46	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-47	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-48	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-49	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-50	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-51	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-52	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-53	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-54	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-55	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-56	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-57	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-58	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-59	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-60	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-61	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-62	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-63	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-64	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-65	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-66	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-67	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-68	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-69	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-70	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-71	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-72	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-73	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-74	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-75	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-76	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-77	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-78	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-79	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-80	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-81	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-82	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-83	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-84	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-85	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-86	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-87	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-88	RIM=220.46 INV.IN=220.00 (W/O-229.0) 15LF, 15"HDPE, S=0.00%
CB-89	RIM=220.46 INV.IN=220.00 (W/O-229