

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 AND ALL 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.
- PRIOR TO CONSTRUCTION OF IMPERVIOUS AREAS, ALL DRAINAGE STRUCTURES, PIPES AND BASINS SHALL BE INSTALLED AND INSPECTED FOR PROPER FUNCTION.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL GRASS DISTURBED AREAS AND ADHERE TO COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- ALL CATCH BASINS ON-SITE SHALL BE EQUIPPED WITH HOODS AND 4 FOOT SUMPS AND SHALL CONFORM TO LOCAL DRAINAGE REQUIREMENTS.
- A MINIMUM OF 18" VERTICAL CLEARANCE SHALL BE MAINTAINED WHERE WATER SERVICES CROSS STORM DRAIN LINES. WATER SERVICES SHALL BE ENCASED IN CONCRETE REGARDLESS OF CLEARANCE WHEN PASSING BELOW STORM DRAIN LINES. ENCASEMENT SHALL EXTEND ALONG WATER SERVICE A MINIMUM DISTANCE OF TEN FEET FROM THE CROSSING POINT OF THE OTHER PIPE AS MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.
- THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR ANY CLAIMS WHICH ARISE FROM THE USE OF THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEREIN, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.
- AS-BUILT DRAWINGS SHALL BE PROVIDED NO LATER THAN TWO YEARS AFTER COMPLETION OF CONSTRUCTION.
- THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION, ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.
- RUNOFF SHALL NOT BE DIRECTED TO THE PERFORATED CORRUGATED METAL PIPE INFILTRATION SYSTEM UNTIL THE SITE IS FULLY STABILIZED.

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=258.73 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%
JELLYFISH	RIM=258.52 INV.IN=228.85 (DMH-07) 44LF, 12"HDPE, S=1.10%
DMH-01	RIM=208.65 INV.IN=205.21 (OCS-01) 13LF, 12"HDPE, S=3.00%
DMH-02	RIM=220.66 INV.IN=223.10 (CB-04) 13LF, 12"HDPE, S=3.00%
DMH-03	RIM=220.66 INV.IN=223.10 (CB-04) 14LF, 12"HDPE, S=3.00%
DMH-04	RIM=248.65 INV.IN=239.55 (CB-06) 14LF, 24"HDPE, S=2.00%
DMH-05	RIM=220.46 INV.IN=216.55 (DMH-09) 13LF, 12"HDPE, S=1.00%
DMH-06	RIM=220.63 INV.IN=217.05 (CB-16) 13LF, 12"HDPE, S=1.79%
GABION-C/O	RIM=215.34 INV.IN=208.93 (DMH-10) 13LF, 12"HDPE, S=1.34%
DMH-11	RIM=238.03 INV.IN=234.80 (OCS-02) 12LF, 24"HDPE, S=2.00%
DMH-12	RIM=237.75 INV.IN=243.06 (CB-07) 146LF, 12"HDPE, S=0.82%
DMH-13	RIM=227.00 INV.IN=224.00 (IS-1-RISER) 15LF, 15"HDPE, S=0.00%
	INV.OUT=222.00 () 15LF, 15"HDPE, S=0.00%

DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
DMH-07	RIM=239.64 INV.IN=234.60 (DMH-06) 13LF, 12"HDPE, S=3.86%
IS-1-RISER	RIM=230.02 INV.IN=226.75 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-14	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-15	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-16	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-17	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-18	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-19	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-20	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-21	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-22	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-23	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-24	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-25	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-26	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-27	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-28	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-29	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-30	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-31	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-32	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-33	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-34	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-35	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-36	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-37	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-38	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-39	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-40	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-41	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-42	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-43	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-44	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-45	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-46	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-47	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-48	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-49	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-50	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-51	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-52	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-53	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-54	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-55	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-56	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-57	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-58	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-59	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-60	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-61	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-62	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-63	RIM=213.81 INV.IN=210.27 (DMH-11) 33LF, 12"HDPE, S=1.00%
DMH-64	RIM=213.81 INV.IN=210.27 (DMH-11