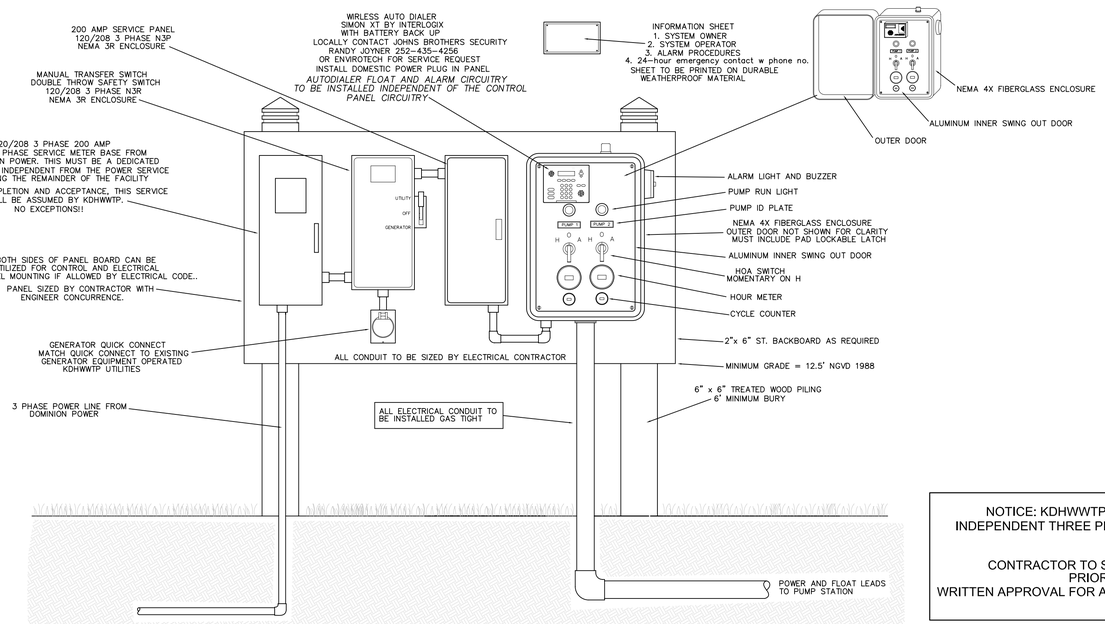


LIFT STATION CONTROL PANEL

NOT TO SCALE

NOTICE: KDHWWTP, LLC UTILITY REQUIREMENTS INCLUDE AN INDEPENDENT THREE PHASE ELECTRICAL SERVICE TO THIS LIFT STATION NO EXCEPTIONS

CONTRACTOR TO SUBMIT CUT SHEETS FOR ALL COMPONENTS PRIOR TO ORDERING MATERIALS
WRITTEN APPROVAL FOR ALL COMPONENTS FROM KDHWWTP, LLC REQUIRED

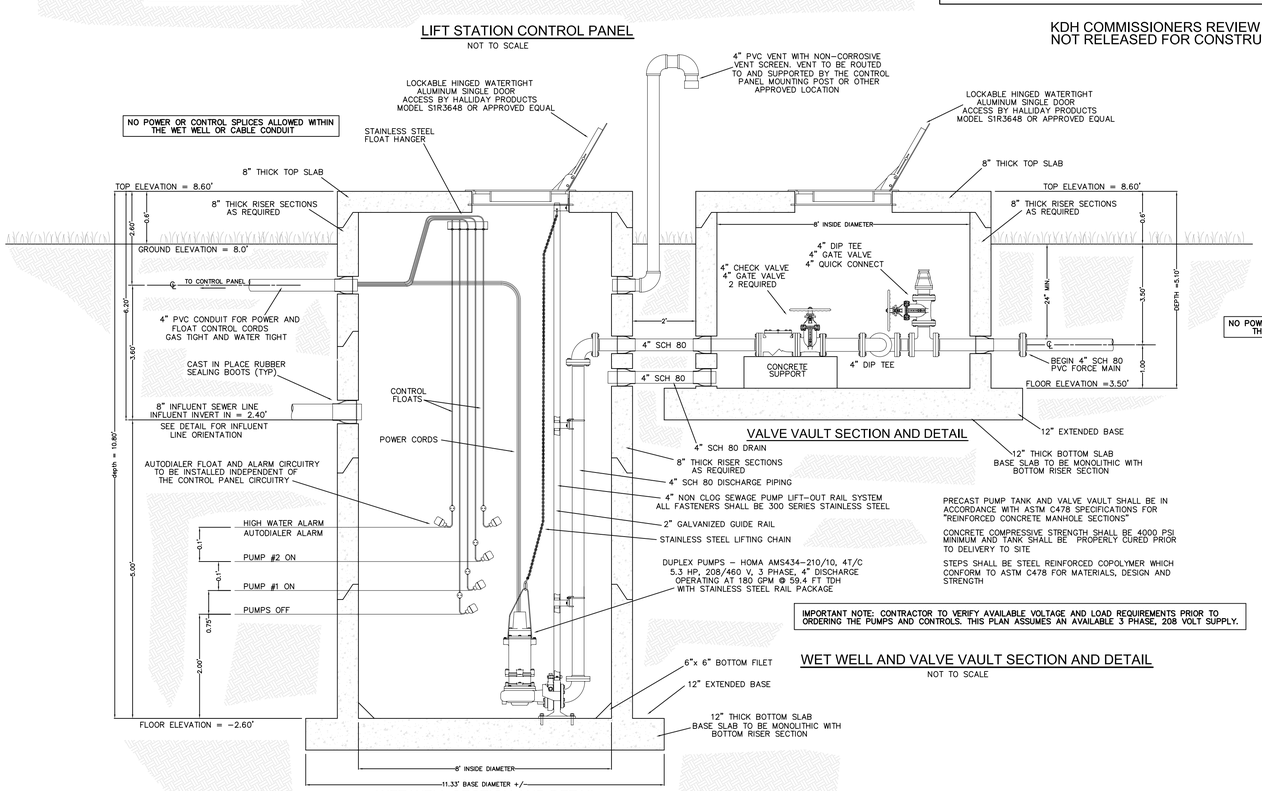
KDH COMMISSIONERS REVIEW PLAN
NOT RELEASED FOR CONSTRUCTION

KILL DEVIL HILLS WASTEWATER NOTES

Kill Devil Hills Wastewater Notes

All work associated with sewer extension construction in the Town right-of-ways shall be performed in accordance with the following permit conditions and the executed Town of Kill Devil Hills Right-of-Way Encroachment Agreement:

- Working Standards:
  - Project Manager/Administrator – Project requires a designated contact person to coordinate and oversee proper project installation. This person will be the one that the Town contacts in regards to questions, concerns or directions.
  - This person will be responsible for:
  - Conducting an on-site pre-construction meeting with KDH Public Services (KDHPS) and the Contractor prior to work commencing. At least a 2 day notice of such a meeting is needed by KDHPS.
  - Take pictures of project areas pre-existing conditions, provide copies to KDHPS no later than the pre-construction meeting.
  - Verify existing utility locations and depths on construction plans.
  - Notify and coordinate work around any effected wastewater customers of any planned outages.
  - Insure construction activities are kept to within approved project areas. This includes staging areas for pipes and equipment.
  - If any work is to be done in front of a property, mail letters to effected property owners notifying them that work will be occurring within the area adjacent to their properties. This letter should give owners 14 days prior to construction to remove any personal items from the town right of way. The letter outlines the extent of the work to be performed, especially if driveway disruptions are planned, the owner needs to be aware of this. A copy of this letter will be submitted to the town for approval prior to being sent.
  - Insure that all construction safety aspects of work within town rights-of-way are adhered to. This includes the use of proper construction signage within town rights-of-way, insuring that all construction personnel within the construction zone are equipped with the proper safety gear including safety vests and hard hats. Contractor equipment left overnight within the rights-of-way must have proper flagging/safety cones placed around it to notify drivers of the equipment.
  - Road Closures – Any proposed road closures must be approved by KDHPS. Project Manager will be responsible for contacting Dare Central, KDH Police and Fire prior to road closures. Project Manager will then notify all agencies once the road has been reopened.
  - Provide a licensed engineer to oversee the installation of all appurtenances installed within the town right-of-way. The engineer will verify that all infrastructure was installed per the plans. Engineer will sign off on this installation and submits to the State for final approvals. Any changes to the plans involving engineering work must be done by licensed NC engineer and approved by the town.
  - The work within the town rights-of-way must be kept in an orderly and neat fashion. No material (soils, gravel or other project fill) can be placed directly on any street surface without matting being put down first. Any damage to any road surface from construction activities must be repaired at the owner's expense.
  - Driveways – Any driveway removals must have a temporary surface put in the same day as removal. Approved surfaces are ABC or millings. No sand or other materials are approved.
  - Driveway culverts – If any driveway culvert work is included in the project, culvert end elevations must be shown on plans prior to construction. Any culvert damage from construction activities must be repaired/replaced at the project owner's expense. Culverts in project area must have filter cloth installed at both ends prior to construction.
  - Drainage infrastructure – All town drainage infrastructure within the project area will be returned to pre-existing conditions prior to final project approval.
  - Seeding and Stabilization – seeding to be in place within 5 days of project final installations. Grass growth within 10 days. Special note – as it appears the project may be conducted during the hot/dry summer months, it will be of the utmost importance for the contractor to water the new seeding at least once a day, if not more, in order to get growth and stabilization.



VALVE VAULT SECTION AND DETAIL

PRECAST PUMP TANK AND VALVE VAULT SHALL BE IN ACCORDANCE WITH ASTM C478 SPECIFICATIONS FOR "REINFORCED CONCRETE MANHOLE SECTIONS"

CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI MINIMUM AND TANK SHALL BE PROPERLY CURED PRIOR TO DELIVERY TO SITE

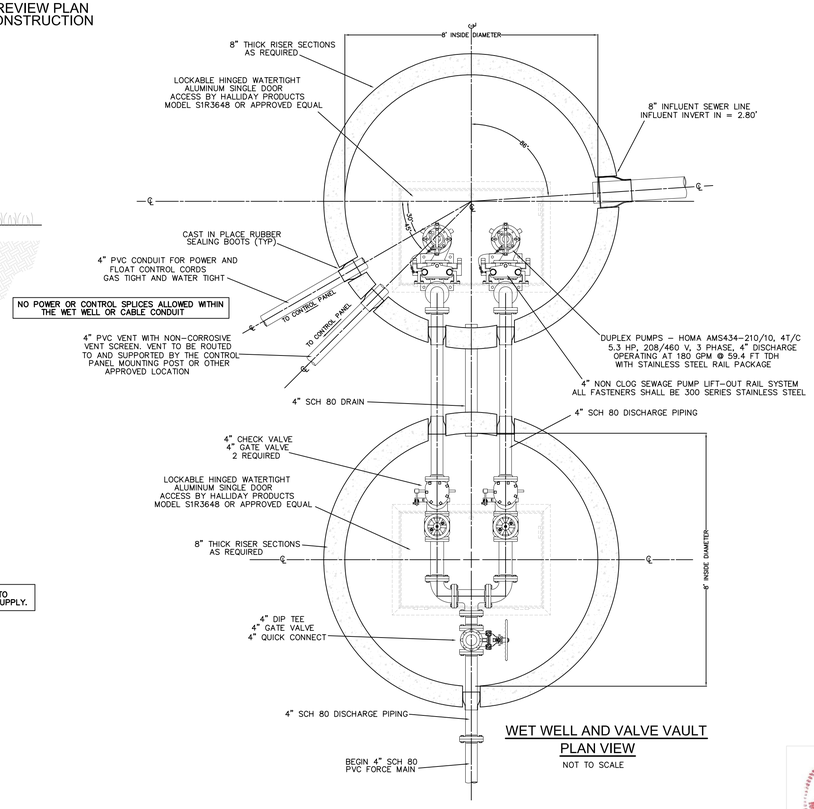
STEPS SHALL BE STEEL REINFORCED COPOLYMER WHICH CONFORM TO ASTM C478 FOR MATERIALS, DESIGN AND STRENGTH

IMPORTANT NOTE: CONTRACTOR TO VERIFY AVAILABLE VOLTAGE AND LOAD REQUIREMENTS PRIOR TO ORDERING THE PUMPS AND CONTROLS. THIS PLAN ASSUMES AN AVAILABLE 3 PHASE, 208 VOLT SUPPLY.

WET WELL AND VALVE VAULT SECTION AND DETAIL

NOT TO SCALE

WET WELL SECTION AND DETAIL



WET WELL AND VALVE VAULT
PLAN VIEW

NOT TO SCALE

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ENGINEERING AND SURVEYING
KILL DEVIL HILLS P.O. BOX 2852 27948
PHONE: 252-255-8026
EMAIL: mrobinson@obxengineering.com

WASTEWATER PLAN

NORTH CAROLINA PROFESSIONAL SEAL 18994 ENGINEER MICHAEL W. ROBINSON

REVISIONS

NO.	DATE	DESCRIPTION	BY
	02-25-22	REV FOR DAR CONSTRUCTION REVIEW	MWR

PROJECT:
OCEAN BREEZE TOWNHOMES
KILL DEVIL HILLS DARE COUNTY NORTH CAROLINA
902 SOUTH VIRGINIA DARE TRAIL

DATE: 01-31-22	SCALE: 1"=20'
DESIGNED: MWR	DRAWN: MWR

SHEET: 7 OF 9

CAD FILE: ocean view cottages-kdh-base.dwg

PROJECT NO: 051121

NORTH CAROLINA PROFESSIONAL SEAL 3154 LAND SURVEYOR MICHAEL W. ROBINSON
02-08-22