



GRASS LINED CHANNEL:

1. MAX VELOCITY 3 FEET PER SECOND
2. SLOPE: 4H:1V OR FLATTER
3. MIN 2 FEET WIDE PILOT CHANNEL AT BOTTOM
4. MIN. GRADE 0.1 FOOT PER 100 FEET
5. MANNING'S N 0.045
6. PIPES OUTFALL INTO DITCH SHALL TERMINATE IN A JUNCTION BOX WITH AN INLET AND OUTLET PIPES IN THE DIRECTION OF FLOW SIZED FOR WATERSHED 25 YEAR STORM FLOOD WATER ELEVATION
7. MIN. FREEBOARD OF 1 FOOT ABOVE 25 YEAR STORM FLOOD WATER ELEVATION
8. DITCH CAPACITY CALCULATIONS SHALL NOT INCLUDE THE 1 FOOT FREEBOARD AND 1 FOOT SILT DEPTH ALLOWANCE FOR MAINTENANCE PURPOSES

NOTE: FOR ILLUSTRATIVE  
PURPOSE ONLY  
NOT TO SCALE

*Daniel Ch...* APPROVED  
CITY ENGINEER      7/6/2018      DATE



CITY OF GALVESTON, TX  
ENGINEERING DIVISION  
JULY, 2018

GRASS LINE CHANNEL