



**GENERAL NOTES**

- ALL DIMENSIONS IN MM
- ELEVATION IN ACC. TO N.A.P.
- FOR COATING AND PAINTING STANDPIPE / INDICATOR SEE PAINTING SPECIFICATION

- LEGEND**
- CLEAN WATER SEWER (HDPE)
  - FOUL WATER SEWER (HDPE)
  - FOUL WATER PRESSURE LINE (HDPE)
  - FOUL WATER INTERMEDIATE BUFFER LINE (HDPE)
  - WSHD LINE (HDPE)
  - FLOW DIRECTION
  - M MANHOLE 1400x1400mm WITH CAST IRON COVER (D460)
  - V VALVE NORMALLY CLOSED
  - U UNDERGROUND VALVE WITH INDICATOR POST
  - G GATE VALVE KENNEDY 7701 WITH P.1 PLATE PN16 INDICATOR POST KENNEDY FIG. 2945A (OR EQUAL) BODY CAST IRON ASTM A126 CLASS B
  - S SLUICE GATE
  - STR STREET GULLY 300x450 WHERE INDICATED
  - LP2 CLEAN WATER DISCHARGE POINT (2)
  - C CHECK VALVE
  - 25 SUBMERGED SEWER PUMP (25 m<sup>3</sup>/h)
  - I.T. INSIDE TOP

- REFERENCE DRAWINGS**
- HHTT-KH-016305 UNDERGROUND ROAD SECTIONS PART 1
  - HHTT-KH-016306 UNDERGROUND ROAD SECTIONS PART 2
  - HHTT-KH-016307 UNDERGROUND ROAD SECTIONS PART 3
  - HHTT-KH-016311 UNDERGROUND GENERAL SEWER LAYOUT PART 1
  - HHTT-KH-016312 UNDERGROUND GENERAL SEWER LAYOUT PART 2
  - HHTT-KH-016313 UNDERGROUND GENERAL SEWER LAYOUT PART 3
  - HHTT-KH-016316 UNDERGROUND GENERAL SEWER LAYOUT PART 4
  - HHTT-KH-016315 UNDERGROUND SEWER DETAILS 1
  - HHTT-KH-016316 UNDERGROUND SEWER DETAILS 2
  - HHTT-KH-016317 CLEAN AND FOUL WATER SUMPS

RELEASED FOR DETAIL DESIGN

**KHEngineering** 67620-D-14-16-1100-363

**HES**  
HES Hartzel Tank Terminal  
Released for Detail Design  
16 October 2019  
HHTT Document Control

REV.	DATE	DESCRIPTION	DRAWN	CHECK	APPD.
2	11-30-2019	REFERENCES ADDED	BES	RIW	RIW/CS
1	15-06-2019	REVISED AS INDICATED	EPA	RIW	RIW
0	05-01-2019	FOR DETAIL DESIGN	EPA	RIW	RIW
PROJECT: HHTT - HHTT HES Hartzel Tank Terminal B.V.			SCALE: A0		
TITLE: GENERAL LAY OUT UNDERGROUND FOUL WATER SEWER LAYOUT (PART 3)			SHEET: 1/1		
PROJECT No: 67620-001			SCALE: 1:500		
CLIENT PROJECT No: HHTT-KH-016363			SHEET: 1/1		
DRAWING No: HHTT-KH-016363			REV: 2		