

LEGEND:

- EFS — EXISTING FOUL SEWER
— ESW — EXISTING STORMWATER
— EW — EXISTING WATER
— SW — STORMWATER
— WATER
— 032mm WATER HOUSE CONNECTION
— SEWER
— 0110mm SEWER STUB @ 150 MM.
● SEWER MANHOLE

NOTES:

Water:

1. Thrust block design to SABS 1200 L.
2. The contractor have to refer and adhere to the COCT standard specifications and drawings.
3. Water lines to be tested under engineers supervision prior to connection to existing water mains.
4. Cover to all water mains: In sidewalk – min 0.75m, max 1.25m.
In roadway – min 1.00m, max 1.25m.
5. All valves to be anticlockwise closing, Class 16, C.I. wedge type gate valves with non-rising spindle.
6. All water mains 75 mmØ and larger to be uPVC Class 12.
7. All HDPE water mains and connections to be type SABS ISO 4427 PE 100 PN 16.
8. Valves and hydrants to be installed opposite erf boundaries.
9. All hydrants to be pillar type.

Sewer:

1. The contractor have to refer and adhere to the COCT standard specifications and drawings.
2. All sewer pipes must be uPVC class 34 high density pipes.
3. Sewer manholes to be fibre cement type with solid shaft and base as per details S2. Precast concrete ring type manholes not allowed.
4. All backdrops to be internal, no external backdrops will be allowed.
5. Where sewers run under buildings, pipes must be concrete encased.
6. The contractor must liaise with responsible service providers with respect to affected services and the protection thereof.
7. Boundary chamber FSMH1 to be 1m from property boundary as per setout coordinates.

General:

1. All work to be constructed in accordance with local authority requirements & SABS 1200 series.
2. All existing levels to be verified on site prior to construction.
3. Contractor to verify position and level of existing services prior to construction of tie-in pipelines.
4. Refer to Architects layout for internal water and sewer reticulation.

REV	DESCRIPTION	DATE
E	GENERAL UPDATED	23.05.2024
D	GENERAL UPDATED	22.03.2024
C	SEWER REVISED	06.03.2024
B	FOR CONSTRUCTION	13.02.2024
A	FOR CONSTRUCTION	23.10.2023



E: +27 82 651 9814
info@iconeng.co.za

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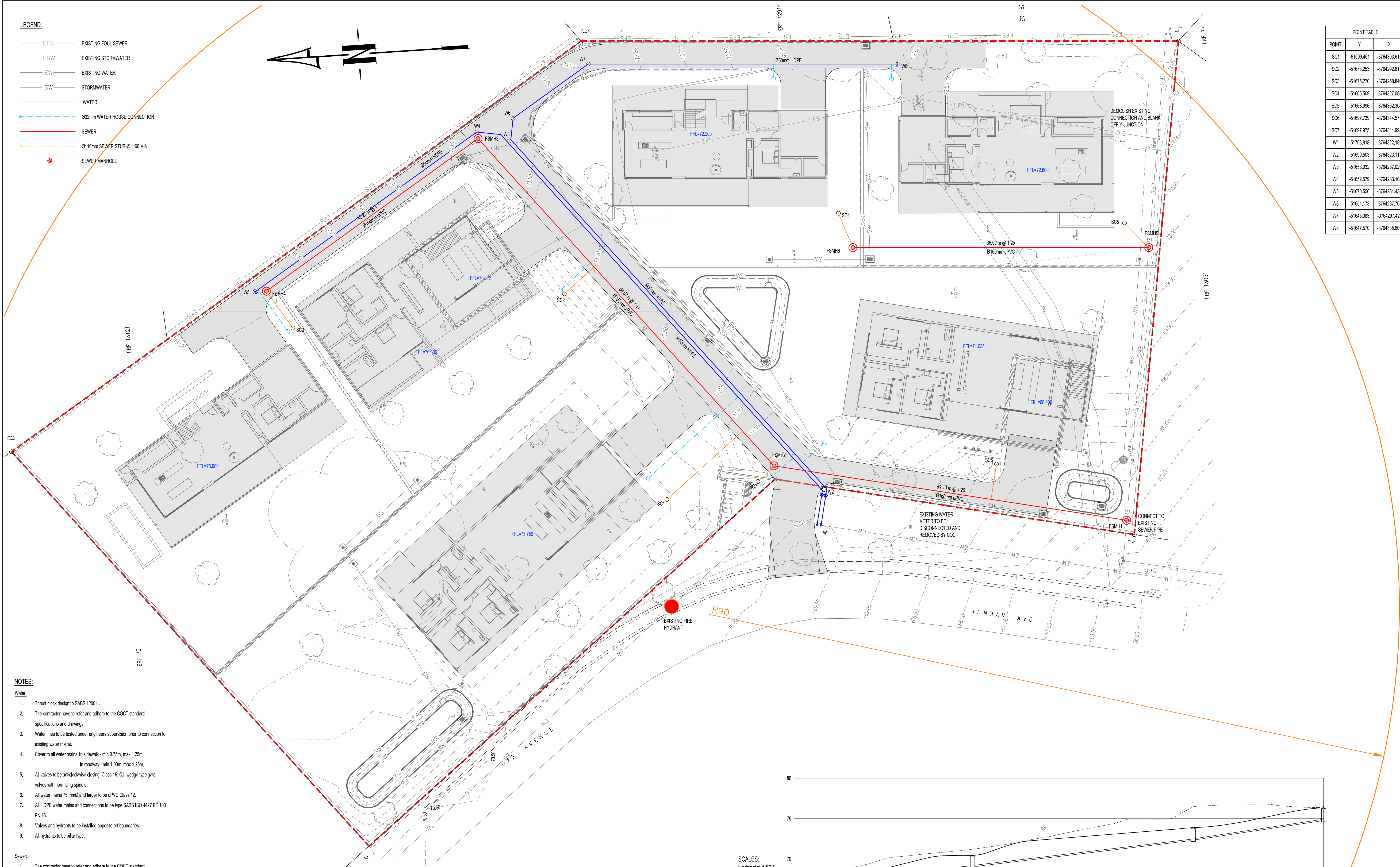
PROJECT DESCRIPTION:
CHEZ UNDER OAKS
4 OAK AVENUE
ERF 75 CONSTANTIA

DRAWING TITLE:
WATER AND SEWER
LAYOUT AND DETAILS

SIGNED:
Pr. Eng NUMBER: 970464
SCALE: 1:250 @ A1
CHECKED: B. RUTHERFORD
DESIGNED: N. JORDAAN
DRAWN: N. JORDAAN
DATE: AUGUST 2023

DRAWING NUMBER:
230189-C003-05

REVISION:
E



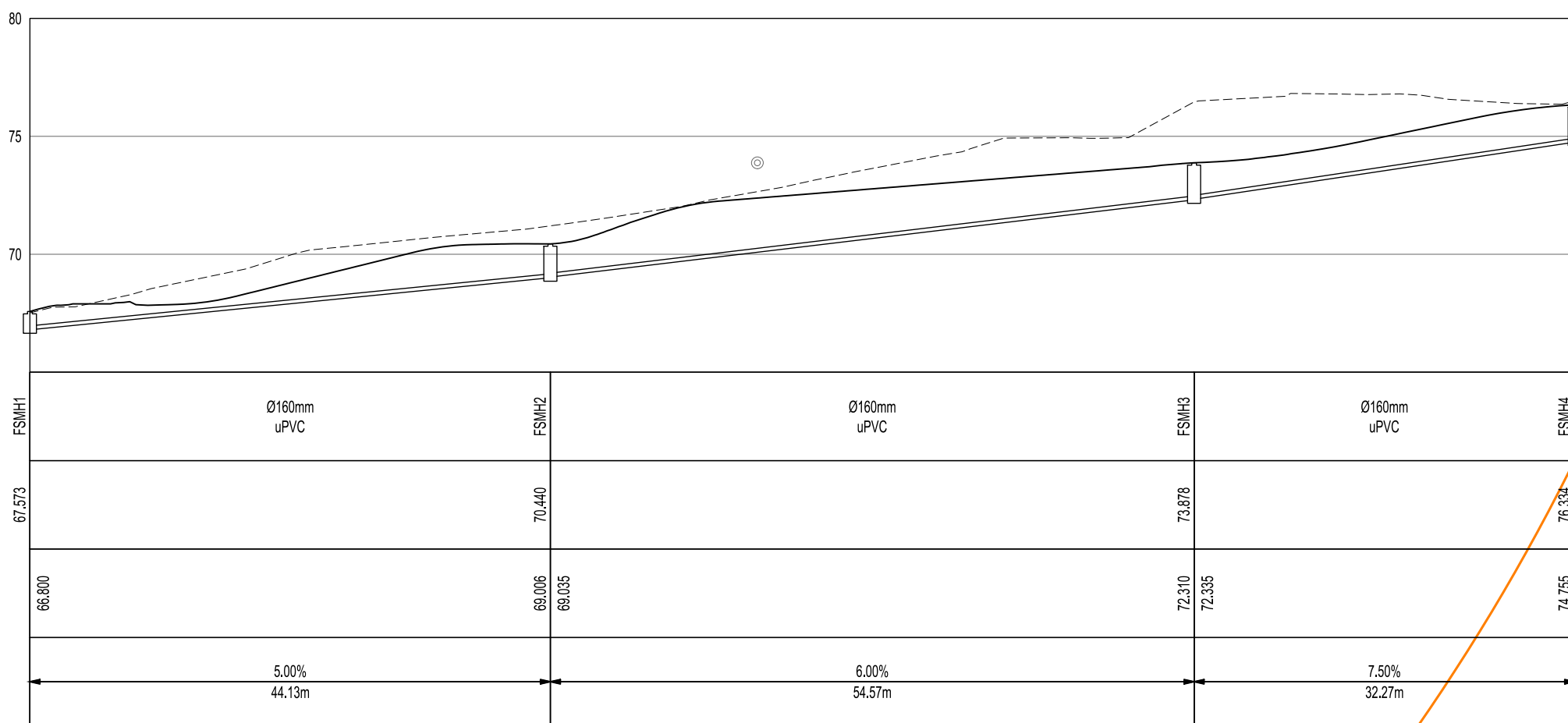
POINT TABLE		
POINT	Y	X
SC1	-51699.461	-3764303.617
SC2	-51672.253	-3764282.615
SC3	-51675.270	-3764256.840
SC4	-51665.509	-3764327.088
SC5	-51668.996	-3764362.304
SC6	-51697.739	-3764344.575
SC7	-51697.875	-3764314.998
W1	-51703.818	-3764322.189
W2	-51699.503	-3764323.113
W3	-51653.932	-3764287.029
W4	-51652.579	-3764263.108
W5	-51670.550	-3764254.434
W6	-51651.173	-3764287.704
W7	-51645.083	-3764297.421
W8	-51647.570	-3764335.609

STRUCTURE LIST-SEWER						
NAME	Y	X	COVER LEVEL	INVERT LEVEL	DEPTH	INT. PIPE IL
FSMH1	51705.726	3764380.183	67.573	66.800	0.773	FSMH2 66.800
FSMH2	51696.175	3764317.103	70.440	69.008	1.434	FSMH1 66.800 FSMH3 69.035
FSMH3	51653.397	3764283.214	73.878	72.310	1.568	FSMH2 72.310 FSMH4 72.335
FSMH4	51670.534	3764256.871	76.334	74.755	1.579	FSMH3 74.755
FSMH5	51672.247	3764365.105	72.412	69.154	3.258	FSMH6 69.154
FSMH6	51669.870	3764328.596	72.000	70.617	1.383	FSMH5 70.617

SCALES:
Horizontal 1:500
Vertical 1:250
DATUM 65.000

REFERENCE	GROUND LEVEL	PIPE INVERT LEVEL	SLOPE / LENGTH
FSMH1	67.573	66.800	5.00% 44.13m
FSMH2	70.440	69.008	6.00% 54.57m
FSMH5	72.412	72.335	7.50% 32.27m
FSMH6	72.000	70.617	

LONGSECTION SEWER 1



SCALES:
Horizontal 1:500
Vertical 1:250
DATUM 65.000

REFERENCE	GROUND LEVEL	PIPE INVERT LEVEL	SLOPE / LENGTH
FSMH5	72.412	69.154	4.00% 36.59m
FSMH6	72.000	70.617	

LONGSECTION SEWER 2

