

Client Procedure for Obtaining Infrastructure NOC

PCFC- Entity (Business Unit) Name : Trakhees – Ports, Customs & Free Zone Corporation

Department Name : Civil Engineering Department (CED)

Section Name : Permit Section

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1. Purpose and Objectives

Infrastructure is generally defined as the set of interconnected structural elements that provide a framework that supports an entire structure of development. The purpose of this process is to ensure that the provided Infrastructure, as mentioned in the Application form, is to be in line with the Master Plan and with the minimum requirements stipulated in Trakhees-CED Guidelines and Regulations, relevant Authority Codes, International Codes and other Good Engineering Practices, such as to safeguard life or limb, environment, property and public welfare..

Accordingly, TRAKHEES, as Department of Planning and Development of PCFC (hereby referred to as 'Authority'), takes the role of reviewing and approving Infrastructure NOC within PCFC jurisdiction.

2. Scope

The scope of the process is from receipt of the Infrastructure NOC application (online submission) to issuance of Infrastructure NOC, within Trakhees' jurisdiction, with regards to the types of NOCs mentioned below

Note:

Trakhees/CED Engineers will handle reviewing submitted drawings in compliance to Trakhees Codes, Regulations and relevant codes. However, customer's Consultants and his Contractors shall remain entirely responsible for design, accuracy of design and drawings, for stability and safety.

Types of NOCs in Scope:

There are five types of Infrastructure NOC online submissions that can be applied for, by Client's appointed Infrastructure Specialist Consultant:

- 1) Infrastructure NOC - New:** New NOC for a new project, not applied for before (as documented in client procedure on website: PCFC-TRK-CED- PS-CP-01). The Infrastructure NOC can be issued for the different Infrastructure activities includes but to limited to Water Network & Annexes Structure , Electricity Network and Substation, Highways- Roads & Trains, Irrigation Network & Annexes Structure, Sewage Network & Annexes Structure, Telecom Network, Highway - Bridge & Tunnels, Landscaping work and Others, as listed in the application form.

Note: An Infrastructure NOC Notification can be issued only when an Infrastructure Specialist Contractor is not appointed, and which is valid for six months. Applicants can then apply for an extension (Refer circular: CEDGR-50 dated 22Jun17)

- 2) **Infrastructure NOC - Revision:** Any type of revision on the approved drawings (minor or major) that occurs after issuing the Building Permit shall be classified under this service.
- 3) **Infrastructure NOC - Revalidation:** Required, where Construction on site has not commenced within 9 months from date of Infrastructure NOC issuance or after suspension of works at site, for period more than 6 months.
The date of suspension to be identified based on the latest inspection date or based on Inspection section's advice on whether the project is within the finishing stage.
The counts of the revalidations to be calculated as one time for each 6 months from the expiry date of the expired Infrastructure NOC, or from the date of stopping the work in the site and the expiry date of the revalidated Infrastructure NOC to be calculated accordingly.
However, Revalidation of Infrastructure permit can be three (3) times maximum after obtaining the NOC, after which a new NOC shall be applied for.
- 4) **Infrastructure NOC - Amendment:** An amendment shall be done for any change in the issued Infrastructure NOC such as change of Infrastructure Consultant, Infrastructure Contractor, Project description, change in area (BUA)/ Length of the Network, etc. or to remove a particular condition in the original or previous Infrastructure NOC issued.
- 5) **Infrastructure NOC - Amendment and Revalidation:** This type is applied for, when the Infrastructure NOC Amendment and Revalidation, are both required together.

Note:

Resubmission implies that applicant resubmits after complying with Trakhees comments/ concerns)

3. Definitions and Abbreviations

Infrastructure NOC

Approval from Trakhees (hereby referred to as 'Authority') issued to permit Construction work to proceed, in accordance with approved drawings, specifications and conditions, under full responsibility of the appointed Infrastructure Consultant and Contractor.

Comprises of one or more of the following networks:

- (1) Water Network & Annexes Structure
- (2) Electricity Network and Substation
- (3) Highways- Roads & Trains
- (4) Irrigation Network & Annexes Structure
- (5) Sewage Network & Annexes Structure
- (6) Telecom Network
- (7) Highway - Bridge & Tunnels
- (8) Landscaping work
- (9) Others, as listed in the application forms

Exception / Special Approval Approval granted by parties empowered by the Law to authorize exemption from these Regulations, or from any other legislation related to Construction works. Special approvals are an important part of the Building Permit (eg. Applicable for architectural issues, for accepting Consultant/Contactor without matching category of the building height, etc.)

Appraisal Fees (Initial Payment): Appraisal fees do not indicate the final fees for the submission, but is only to begin CED's processing of the submission, during which any additional/ revision fees shall be added as final fees (refer 1).

Payments can be made via channels such as

- Online payments
- Al Ansari Exchanges
- Bank Transfers

For acronyms, kindly refer to [APPENDIX – 1: Definitions & Acronyms](#)

4. Procedure



For quick procedural info, please refer to the [Workflow](#) on last page.
For a more detailed approach, please read below.

4.1 INFORMATION & PREPARATION: For identification of Infrastructure NOC approval stages and submission requirements, the Applicant has to visit the website (<https://www.trakhees.ae/en/ced/Pages/Client-Procedures.aspx>) and refer client procedure PCFC-TRK-CED-PS-CP-15 (this procedure) with related forms (refer [section 7.0](#))

4.2 APPLICATION:

The following applications can be applied online via link <http://online.Trakhees.ae> by attaching all requirements as set in Infrastructure NOC Application Form (CED-PS-PS-CF15a) using the applicable folder codes as per the requested application and including all necessary documents ([refer section 7](#)).

4.2.1 For New Infrastructure NOC applications:

Infrastructure NOC request can be applied after initially obtaining Project ID, by attaching all requirements, as set in Infrastructure NOC Application Form ([TRK-CED-PS-CF15a](#)), using folder codes (viz. GD, EHS, HVAC, etc.), including necessary documents depending on submission type (i.e. New, Resubmission).

4.2.2 For Revision of Infrastructure NOC applications:

Infrastructure NOC revision request can be applied after obtaining the Infrastructure NOC.

For this stage, there is no requirement for re-registering the same Project, instead only submittal of soft copy (in PDF formats) of revised drawings along with previous approved drawings / documents and required NOCs are sufficient for approval, as per Revision procedures applicable in Trakhees website link: <http://www.trakhees.ae/en/ced/Pages/Client-Procedures.aspx>

4.2.3 For Revalidation and Amendment applications:

Infrastructure NOC amendment and revalidation request can be applied after obtaining the Infrastructure NOC. The Infrastructure NOC amendment is required to obtain the approval for any revision on the issued Infrastructure NOC. The Infrastructure NOC revalidation is required to revalidate the expired issued Infrastructure NOC.

4.3 SECTION ADMIN / HELPDESK:

Upon receiving online submissions, CED Section Admin/ Helpdesk validates all requirements and accordingly advises customer if MORE INFO required (via system). Once all requirements are validated as ok, the customer is notified.

NOTE: CED Helpdesk reserves the right to Accept/ Reject the submission, if the received applicant is not complete as per checklist requirements. Incomplete applications that are rejected can be resubmitted.

4.4 REVIEW & APPROVAL:

After the acceptance and within 10 working days, CED shall then notify customers on the below review outcomes.

- APPROVED -** If submission is approved and complete, while complying with all Regulations and Guidelines set by Trakhees, the CED Engineers stamp relevant drawings. (Additional** calculated fees, if applicable, may be set here)
- NOT APPROVED -** In the event where any major problems have been identified, the applicant shall be informed via system, for correction prior to resubmitting the Infrastructure NOC application.

4.5 FINAL PAYMENT:

Upon receiving notification of successful approval, Applicant ensures that additional** calculated fees (if any) are fully paid for, prior to receiving documents.

NOTE:

Infrastructure NOC documents are released via System, only after Applicant completes payments of all fees.

4.6 DOCUMENT DELIVERY:

Finally, applicant receives a download link to the Infrastructure NOC and all approved drawings/ NOC, immediately after completion of payments.

NOTE:

- 1) For non-payments, Applicant receives a system notification/ reminder to settle payment, prior to being blocked in system.
- 2) The download link is valid for a month. If applicant fails to download within the validity period, the link expires, and applicant requires to apply for 'Request for Copy of documents, refer PCFC-TRK-CED-DC-CP-01)
- 3) Applicant / Customer's consultant/ Contractor shall comply with all conditions (if any) listed in issued Infrastructure NOC and ensure compliance towards all recommendations are completed.

5. Process Measurements

No.	Process	Target (Working days)
5.1	Infrastructure NOC (New)	10 WDs
5.2	Revised Infrastructure NOC (Revision)	10 WDs
5.3	Revalidation of Infrastructure NOC (Revalidation)	10 WDs

5.4	Amendment of Infrastructure NOC (Amendment)	10 WDs
5.5	Revalidation & Amendment of Infrastructure NOC	10 WDs

For all submission types, Trakhees/CED is committed to complete review process within the above mentioned targets, however delays can occur due to the following:

- Missing drawings. Or documents
- Details clarification or calculations
- CPR System issue.
- Internal Sections clarification.
- Special approval from higher management
- Pre-requisites not met by client

6. Service Fees

Sr.	Service Name	Service Fee CODE	Parameter	Fees* (AED)
Appraisal (Initial Fees)				
6.1	CED - Permit - Infrastructure Works - Vehicle Bridges NOC	EBBP01 2	DECK_AREA_SQM	DECK_AREA_SQM*20
6.2	CED - Permit - Infrastructure Works - Highways / Roads NOC	EBBP01 3	AREA_SQM	AREA_SQM*.20
6.3	CED - Permit - Infrastructure Works - Tunnels NOC	EBBP01 4	FLOOR_AREA_SQM	FLOOR_AREA_SQM*40
6.4	CED - Permit - Infrastructure Works - Grading & Leveling NOC	EBBP01 5	AREA_SQM	AREA_SQM*.10
6.5	CED - Permit - Infrastructure Works - (Misc) Road Crossing/Traffic Signals, Interchanges boards, etc.	EBBP01 6	Fixed	5000
6.6	CED - Permit - Infrastructure Works - Railway Works NOC	EBBP01 7	DECK_AREA_SQM	DECK_AREA_SQM*20
6.7	CED - Permit - Infrastructure Works - Drinking Water Networks	EBBP01 8	LIN_METERS	LIN_METERS*.50
6.8	CED - Permit - Infrastructure Permit - Electrical Networks NOC	EBBP01 9	LIN_METERS	LIN_METERS*.50
6.9	CED - NOC Revalidation Request for Service Corridor Reservation and infrastructure network (Private Co.)	EBBP06 4	TOTAL_AMT_ISSUED	TOTAL_AMT_ISSUED_NOC*0.10

6.10	CED - Permit - Infrastructure Works - Irrigation Networks NOC	EBBP06 5	LIN_METERS	LIN_METERS*.5
6.11	CED - Infrastructure Permit - Power Supply MV - Network Buried or Over Head	EBBP06 6	LIN_METERS	LIN_METERS*.5
6.12	CED - Permit - Infrastructure Works NOC - Roads	EBBP07 0	AREA_SQM	AREA_SQM*.20
6.13	CED - Permit - Infrastructure Works NOC - Land Scaping	EBBP07 1	AREA_SQM	AREA_SQM*.50
6.14	CED - Permit - Infrastructure Works NOC - Lakes	EBBP07 2	AREA_SQM*.10	AREA_SQM
6.15	CED - Permit - Infrastructure Permit - Road Cutting	EBBP07 3	Fixed	5000
6.16	CED - Permit - Infrastructure Permit - Road Diversion	EBBP07 4	Fixed	5000
6.17	CED - Permit - Infrastructure Permit - Culvert	EBBP07 5	Fixed	5000
6.18	CED - Permit - Infrastructure Permit - Large Duct	EBBP07 6	Fixed	5000
6.19	CED - Infrastructure Permit - Power Supply HV Network	EBBP07 7	LINE_METERS	LINE_METERS*.5
6.20	CED - Permit - Infrastructure Permit - Street Lighting Network NOC	EBBP07 8	LINE_METERS	LINE_METERS*.5
6.21	CED - Infrastructure Permit - Power Supply Road Signalizations Network	EBBP07 9	LINE_METERS	LINE_METERS*.5
6.22	CED - Permit - Infrastructure Works - Fire Fighting Networks NOC	EBBP08 0	LINE_METERS	LINE_METERS*.5
6.23	CED - Permit - Infrastructure Works - Drainage/Sewage Networks NOC	EBBP08 1	LINE_METERS	LINE_METERS*.5
6.24	CED - Infrastructure Permit - Treated Sewage influent TSE Network	EBBP08 2	LINE_METERS	LINE_METERS*.5
6.25	CED - Permit - Infrastructure Permit - Storm Water Networks NOC	EBBP08 3	LINE_METERS	LINE_METERS*.5
6.26	CED - Infrastructure Permit - Storm Water Pipe Network	EBBP08 4	LINE_METERS	LINE_METERS*.5
6.27	CED - Permit - Infrastructure Works - Telecommunication Networks NOC	EBBP08 5	LINE_METERS	LINE_METERS*.5
6.28	CED - Infrastructure Permit - ITC Netowrk	EBBP08 6	LINE_METERS	LINE_METERS*.5

6.29	CED - Permit - Infrastructure Permit - Monitoring Systems ACMS Network NOC	EBBP08 7	LINE_METERS	LINE_METERS*.5
6.30	CED - Permit - Infrastructure Works - MISC Networks NOC	EBBP08 8	LINE_METERS	LINE_METERS*.5
6.31	CED - Permit - Infrastructure Works - Gas System Networks NOC	EBBP08 9	LINE_METERS	LINE_METERS*.5
6.32	CED - Permit - Infrastructure Works - District Cooling Networks NOC	EBBP09 0	LINE_METERS	LINE_METERS*.5
6.33	CED - Permit - Infrastructure Works - Buildings for Utilities / Sewage / Pumping / Fire / Irrigation / Electrical / Other	EBBP09 5	Fixed	10
6.34	CED - Permit - Infrastructures Works - Site Mobilization & Sign board NOC	EBBP10 3	AREA_SQM	AREA_SQM * 0.1
6.35	CED - Permit - Infrastrucure Works - Pedestrian Bridge NOC	EBBP11 7	DECK_AREA_SQM	DECK_AREA_SQM * 20
6.36	CED - Permit - Infrastrucure Works - Additional Area for Vehicles OR Pedestrian Bridges	EBBP11 8	ADDL_DECK_AREA_SQM	ADDL_DECK_AREA_SQM * 20
6.37	CED - Permit - Infrastrucure Works - Additional Area for Highways/ Roads	EBBP11 9	ADDL_ROAD_AREA_SQM	ADDL_ROAD_AREA_SQM * 0.50
6.38	CED - Permit - Infrastrucure Works - Additional Area for Tunnels	EBBP12 0	ADDL_TUNNEL_AREA_SQM	ADDL_TUNNEL_AREA_SQM * 40
6.39	CED - Permit - Infrastrucure Works - Added Area to MISC. Services.	EBBP12 5	Fixed	1000
6.40	CED - Permit - Infrastructure Works - Additional Network Length for Sewage	EBBP13 0	ADDL_LENGTH_LM	ADDL_LENGTH_LM * 0.50
6.41	CED - Permit - Infrastructure Works - Additional Network Length for Fire Fighting System	EBBP13 3	ADDL_LENGTH_LM	ADDL_LENGTH_LM * 0.50
6.42	CED - Permit - Infrastructure Works - Additional Network Length for Telecommunication	EBBP13 4	ADDL_LENGTH_LM	ADDL_LENGTH_LM * 0.50
6.43	CED - Permit - Infrastructure Works - Additional Network Length for District Cooling	EBBP13 5	ADDL_LENGTH_LM	ADDL_LENGTH_LM * 0.50
6.44	CED - Permit - Infrastructure Works - Additional Network Length of others	EBBP13 6	ADDL_LENGTH_LM	ADDL_LENGTH_LM * 0.50
6.45	CED - Permit - Infrastructure Works - Additional Network Length for Street Lighting	EBBP13 7	ADDL_LENGTH_LM	ADDL_LENGTH_LM * 0.50

6.46	CED - Permit - Infrastructure Works - Additional Network Length for Monitoring Systems ACMS Network	EBBP13 8	ADDL_LENGTH_LM	ADDL_LENGTH_LM * 0.50
6.47	CED - Permit - Infrastructure Works - Grading & Leveling (Additional Area)	EBBP13 9	ADDL_AREA_SQM	ADDL_AREA_SQM * 0.10
6.48	CED - Permit - Infrastructure Works - Landscaping (Additional Area)	EBBP14 0	ADDL_AREA_SQM	ADDL_AREA_SQM * 0.50
6.49	CED - Permit - Infrastructure Works - Vehicle Bridges NOC	EBBP01 2	DECK_AREA_SQM	DECK_AREA_SQM*20
6.50	CED - Permit - Infrastructure Works - Highways / Roads NOC	EBBP01 3	AREA_SQM	AREA_SQM*.20
6.51	CED - Permit - Infrastructure Works - Tunnels NOC	EBBP01 4	FLOOR_AREA_SQM	FLOOR_AREA_SQM*4 0
6.52	CED - Permit - Infrastructure Works - Grading & Leveling NOC	EBBP01 5	AREA_SQM	AREA_SQM*.10
6.53	CED - Permit - Infrastructure Works - (Misc) Road Crossing/Traffic Signals, Interchanges boards, etc.	EBBP01 6	Fixed	5000
6.54	CED - Permit - Infrastructure Works - Railway Works NOC	EBBP01 7	DECK_AREA_SQM	DECK_AREA_SQM*20
6.55	CED - Permit - Infrastructure Works - Drinking Water Networks	EBBP01 8	LIN_METERS	LIN_METERS*.50
6.56	CED - Permit - Infrastructure Permit - Electrical Networks NOC	EBBP01 9	LIN_METERS	LIN_METERS*.50
6.57	CED - NOC Revalidation Request for Service Corridor Reservation and infrastructure network (Private Co.)	EBBP06 4	TOTAL_AMT_ISSUED_NOC	TOTAL_AMT_ISSUED_NOC*0.10
6.58	CED - Permit - Infrastructure Works - Irrigation Networks NOC	EBBP06 5	LIN_METERS	LIN_METERS*.5
6.59	CED - Infrastructure Permit - Power Supply MV - Network Buried or Over Head	EBBP06 6	LIN_METERS	LIN_METERS*.5
6.60	CED - Permit - Infrastructure Works NOC - Roads	EBBP07 0	AREA_SQM	AREA_SQM*.20
6.61	CED - Permit - Infrastructure Works NOC - Land Scaping	EBBP07 1	AREA_SQM	AREA_SQM*.50
6.62	CED - Permit - Infrastructure Works NOC - Lakes	EBBP07 2	AREA_SQM	AREA_SQM*.10

6.63	CED - Permit - Infrastructure Permit - Road Cutting	EBBP07 3	Fixed	5000
6.64	CED - Permit - Infrastructure Permit - Road Diversion	EBBP07 4	Fixed	5000
6.65	CED - Permit - Infrastructure Permit - Culvert	EBBP07 5	Fixed	5000
6.66	CED - Permit - Infrastructure Permit - Large Duct	EBBP07 6	Fixed	5000
6.67	CED - Infrastructure Permit - Power Supply HV Network	EBBP07 7	LINE_METERS	LINE_METERS*.5
6.68	CED - Permit - Infrastructure Permit - Street Lighting Network NOC	EBBP07 8	LINE_METERS	LINE_METERS*.5
6.69	CED - Infrastructure Permit - Power Supply Road Signalizations Network	EBBP07 9	LINE_METERS	LINE_METERS*.5
6.70	CED - Permit - Infrastructure Works - Fire Fighting Networks NOC	EBBP08 0	LINE_METERS	LINE_METERS*.5
6.71	CED - Permit - Infrastructure Works - Drainage/Sewage Networks NOC	EBBP08 1	LINE_METERS	LINE_METERS*.5
6.72	CED - Infrastructure Permit - Treated Sewage influent TSE Network	EBBP08 2	LINE_METERS	LINE_METERS*.5
6.73	CED - Permit - Infrastructure Permit - Storm Water Networks NOC	EBBP08 3	LINE_METERS	LINE_METERS*.5
6.74	CED - Infrastructure Permit - Storm Water Pipe Network	EBBP08 4	LINE_METERS	LINE_METERS*.5
6.75	CED - Permit - Infrastructure Works - Telecommunication Networks NOC	EBBP08 5	LINE_METERS	LINE_METERS*.5
6.76	CED - Infrastructure Permit - ITC Netowrk	EBBP08 6	LINE_METERS	LINE_METERS*.5
6.77	CED - Permit - Infrastructure Permit - Monitoring Systems ACMS Network NOC	EBBP08 7	LINE_METERS	LINE_METERS*.5
6.78	CED - Permit - Infrastructure Works - MISC Networks NOC	EBBP08 8	LINE_METERS	LINE_METERS*.5
6.79	CED - Permit - Infrastructure Works - Gas System Networks NOC	EBBP08 9	LINE_METERS	LINE_METERS*.5
6.80	CED - Permit - Infrastructure Works - District Cooling Networks NOC	EBBP09 0	LINE_METERS	LINE_METERS*.5

6.81	CED - Permit - Infrastructure Works - Buildings for Utilities / Sewage / Pumping / Fire / Irrigation / Electrical / Other	EBBP09 5	SQUARE_METER	SQUARE_METER*3.2
6.82	CED - Permit - Infrastructures Works - Site Mobilization & Sign board NOC	EBBP10 3	AREA_SQM	AREA_SQM * 0.1
6.83	CED - Permit - Infrastructures Works - Pedestrian Bridge NOC	EBBP11 7	DECK_AREA_SQM	DECK_AREA_SQM *
6.84	CED - Permit - Infrastructures Works - Additional Area for Vehicles OR Pedestrian Bridges	EBBP11 8	ADDL_DECK_AREA_SQM	ADDL_DECK_AREA_SQM * 20
6.85	CED - Permit - Infrastructures Works - Additional Area for Highways/ Roads	EBBP11 9	ADDL_ROAD_AREA_SQM	ADDL_ROAD_AREA_SQM * 0.50
6.86	CED - Permit - Infrastructures Works - Additional Area for Tunnels	EBBP12 0	ADDL_TUNNEL_AREA_SQM	ADDL_TUNNEL_AREA_SQM * 40
6.87	CED - Permit - Infrastructures Works - Added Area to MISC. Services.	EBBP12 5	Fixed	1000
6.88	CED - Permit - Infrastructure Works - Additional Network Length for Sewage	EBBP13 0	ADDL_LENGTH_LM	ADDL_LENGTH_LM *0.50
6.89	CED - Permit - Infrastructure Works - Additional Network Length for Fire Fighting System	EBBP13 3	ADDL_LENGTH_LM	ADDL_LENGTH_LM *0.50
6.90	CED - Permit - Infrastructure Works - Additional Network Length for Telecommunication	EBBP13 4	ADDL_LENGTH_LM	ADDL_LENGTH_LM *0.50
6.91	CED - Permit - Infrastructure Works - Additional Network Length for District Cooling	EBBP13 5	ADDL_LENGTH_LM	ADDL_LENGTH_LM *0.50
6.92	CED - Permit - Infrastructure Works - Additional Network Length of others	EBBP13 6	ADDL_LENGTH_LM	ADDL_LENGTH_LM *0.50
6.93	CED - Permit - Infrastructure Works - Additional Network Length for Street Lighting	EBBP13 7	ADDL_LENGTH_LM	ADDL_LENGTH_LM *0.50
6.94	CED - Permit - Infrastructure Works - Additional Network Length for Monitoring Systems ACMS Network	EBBP13 8	ADDL_LENGTH_LM	ADDL_LENGTH_LM *0.50
6.95	CED - Permit - Infrastructure Works - Grading & Leveling (Additional Area)	EBBP13 9	ADDL_AREA_SQM	ADDL_AREA_SQM *
6.96	CED - Permit - Infrastructure Works - Landscaping (Additional Area)	EBBP14 0	ADDL_AREA_SQM	ADDL_AREA_SQM *

7. Documents/ Forms

7.1 Application for Infrastructure NOC

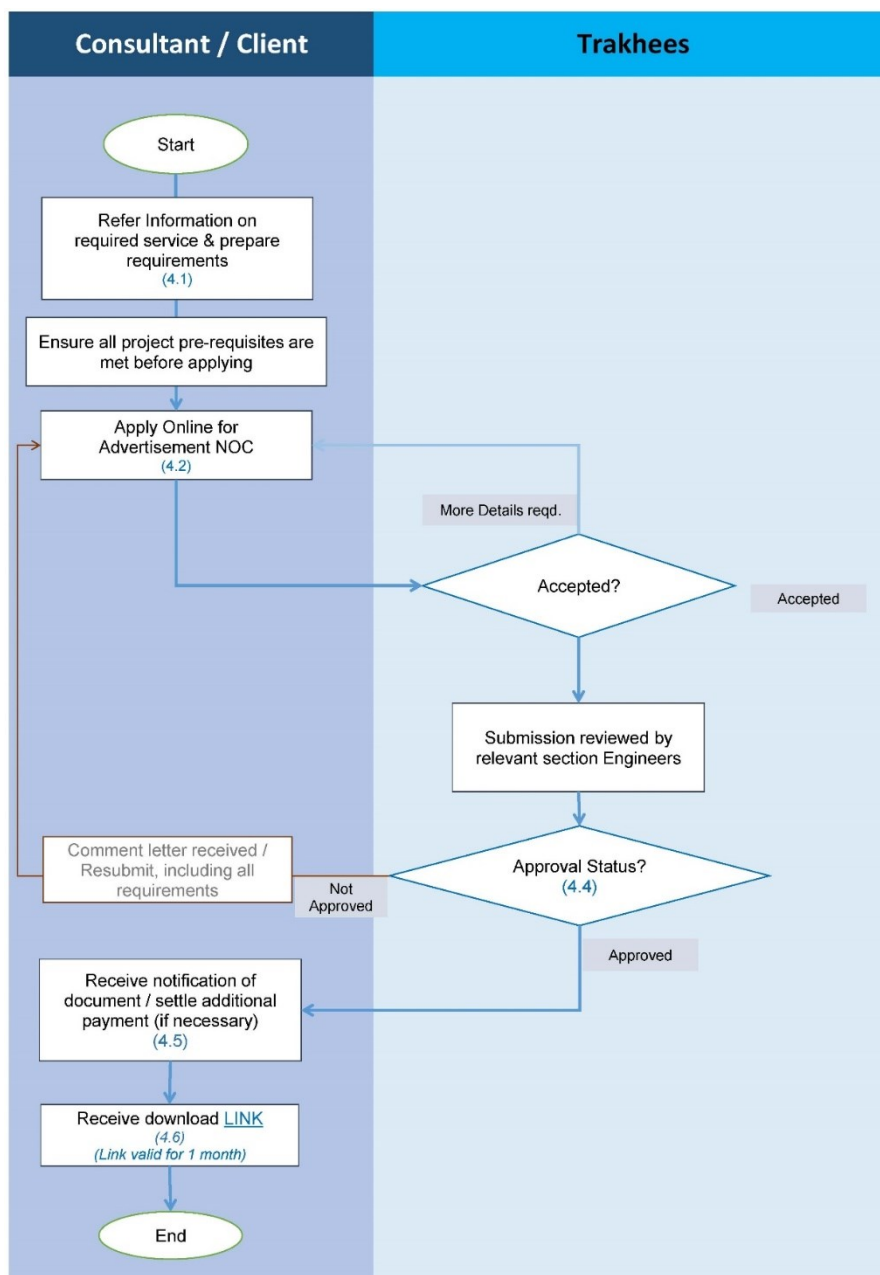
TRK-CED-PS-CF15a

8. Applicable References and Regulations

• AASHTO LRFD standard	• BS 8110: 'Structural Use of Concrete'	• BS ISO 8026 : 2009
• ACI 318: 'Building Code Requirements for Structural Concrete'	• BS EN 12201 : 2003	• BS ISO 9635 : 2006
• ACI Manual of Concrete Practice – the latest edition.	• BS EN 13244	• BS ISO 9644 : 2008
• AISC 360	• BS EN 13476-1:2001	• BS ISO 9911 : 2006
• ASTM standard.	• BS EN 14049 :2003	• BS ISO 9912-1:2004
• AWWA C 950-88 standard for fiberglass pressure pipe	• BS EN 14268 : 2005	• Building Regulation & Design Guidelines- Architecture.
• BRE Digset 365.	• BS EN 1610 : 1998	• Building Regulation & Design Guidelines- Structural
• BS 497	• BS EN 1671 : 1997	• DEWA IEC60905
• BS 5480	• BS EN 1852-1 :1998	• DEWA regulation for electrical installations
• BS 5480.	• BS EN 50174	• Dubai Municipality drainage and irrigation department drainage system design criteria
• BS 5489 :2003	• BS EN 534	• EOTA (European Organization for Technical Approval).
• BS 5628: 'Code of Practice for Use of Masonry'	• BS EN 545	• Euro code 2.
• BS 5930.	• BS EN 598	• Fire, Smoke and Combined Dampers
• BS 5950: 'Structural Use of Steelwork in Buildings'	• BS EN 60076 : 2003	• IBC 'International Building Code', excluding seismic design provisions.
• BS 6622	• BS EN 60298 : 1996	• ILE2000
• BS 6701 : 2010	• BS EN 60625 : 1998	• Neufert Architect's Data

• BS 7459	• BS EN 62271 :2001	• New Metric Handbook-Planning & Design Data
• BS 7488	• BS EN 752	• Post Tension Manual, latest edition.
• BS 7562	• BS EN 858:2001	• Regulation & Design Provision for People with Disability
• BS 7671 : 2008	• BS EN 908 : 1999 + A1 2009	• RTA Manual
• BS 8000-14 1989	• BS EN 909:1998	• Technical Report (TR 43) latest edition.
• BS 8004: 'Foundations'	• BS EN ISO 11545 : 2009	• Telecommunication regularity Authority (TRA) regulation
• BS 8007	• BS EN ISO 9261 : 2010	• UBC 1997, Volume 2, 'Structural Engineering Design Provisions'
• BS 8007: 'Design of concrete structures for retaining aqueous liquids'	• BS ISO 15081 : 2011	• Urban Planning & MEP Services Regulations.
• BS 8010-2.5 :1989	• BS ISO 15886-1 :2004	
• BS 2	• BS ISO 16149 : 2006	

9. Workflow



APPENDIX 1 – ACRONYMS

ABP	Administrator - BP Section	GIS	Geographical Information System
ASHRAE	American Society of Heating, Refrigeration and Air Conditioning Engineers	GISE	GIS Engineer
Authority	Trakhees	HD	Help Desk
BP	Building Permit	HVAC	Heating, Ventilation, and Air-conditioning
BP number	Building permit application number	ID	Inspection Department
BRDG	Building Regulations and Design Guidelines	JAFZA **	Jebel Ali Free Zone Authority
BU	Business Unit, entities and establishments under the PCFC umbrella (marked **).	JGE	Jumeirah Golf Estate
CCTV	Closed Circuit Television	MEP	Mechanical, Electrical, Plumbing
CDA	Concept Design Approval	NAKHEEL **	Nakheel Properties
CEDSR (- ***)	CPR Submission Number	NOC	No Objection Certificate
CEDPR (- ***)	CPR Project Registration Submission No.	PA	Payment advise
CED	Civil Engineering Department	PCFC **	Ports, Customs & Free Zone Corporation
CPR	CED Process Register	PLE	Planning Engineer
COC	Certificate of Conformity	PLNG	Planning Section
DC	Document Controller	PM	Planning Manager
DCD	Dubai Civil Defence	PROCESS	Section in Civil Engineering Department, as Main owner of process/ Project registration, and accordingly distributes to different sections for coordinated review/approval.
DCR	Development Control Regulation	OWNER	
DED	Department of Economic Development	RA	Risk Assessment
DLTM	Dubai Local Transverse Mercator	RE	Review Engineer
DM	Dubai Municipality	REV	Revision
DMC **	Dubai Maritime City	ROW	Right-of-way
DO	Drawing Office	RTA	Road and Transport Authority
DPA **	Dubai Ports Authority	SC	Section coordinator
DPS	Drawing Production System	SD	Senior Draughtsman
DPW**	Dubai Ports World	SDO	Senior Drawing Officer
DUCAMZ **	Dubai Customs Automobile Zone	SE	Survey Engineer
EIA	Environment Impact Assessment	SMACNA	Sheet Metal & Air Conditioning Contractors National Association
EZW **	Economic Zones World	SM	Senior Manager
FP	Facility Permits section of CED	SNO	Submission Number
FRE	Final Review Engineer	TIS	Traffic Impact Study
FRECOM	An Oracle based system used by EZW in managing facilities		
GB	Green Buildings		

*** Business Unit/ entities and establishments under the PCFC umbrella*