

# GHAZZE RECREATIONAL SPACES

870 MTS	ALTITUDE
35.828070	GPS E
33.672402	GPS N
GHAZZE	CITY
WEST BEKAA	DISTRICT
ВЕКАА	GOVERNORATE
	Site Location

T-C-G-001 MINI FOOTBALL PLAYGROUND LAYOUT T-C-G-002 CONSTRUCTION DETAILS

#### Key Plan



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REV BY			
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APP			
DESCRIPTION			
DATE			

### Revisions

THE CONTRACTOR AND HIS SUB-CONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE. THIS DRAWING IS A COPYRIGHT. DO NOT SCALE FROM THE DRAWING.

United Nation Development Programme UNDP Lebanon Social and Local Development Programme P.O.Box: 11-3216 Beirut, Lebanon Tel: 961 1 962491

PROGRAMME:

Lebanese Host Communities Support Programme

CONSULTANT:

BOYADJIAN & ASSOCIATES PROJECT FINANCE AND MANAGEMENT CONSULTANTS P.O.Box: 175 293 Beirut, Lebanon Tel: 961 1 980138

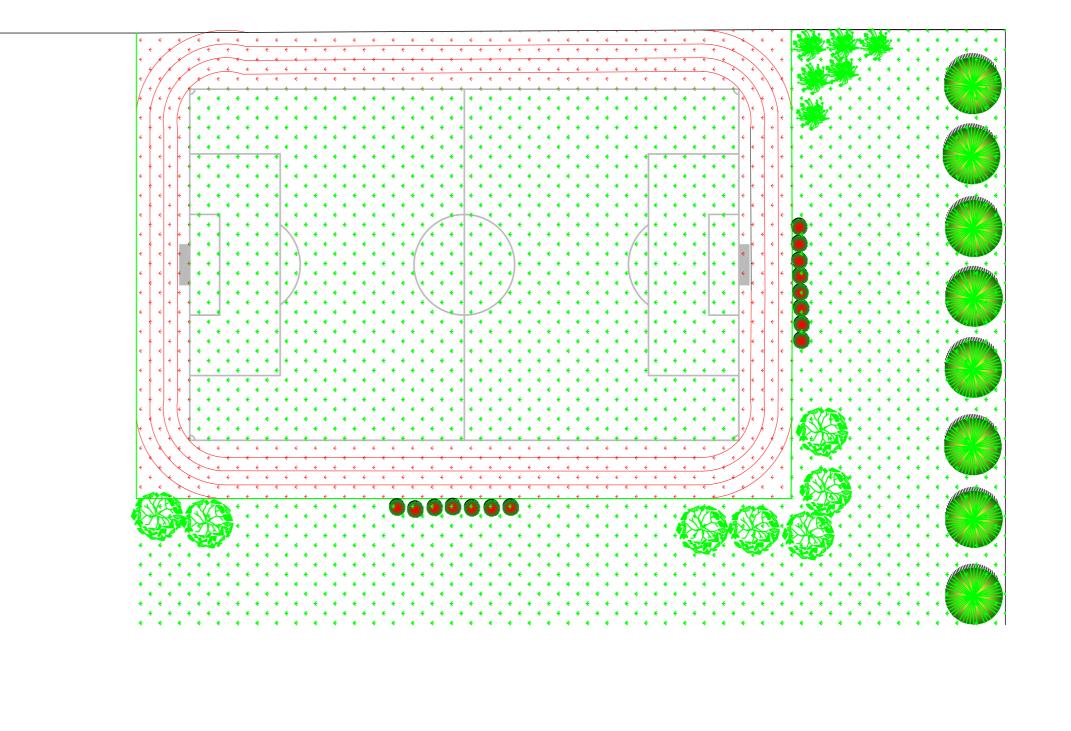
PLOT NO.: **GHAZZE RECREATIONAL SPACES** 

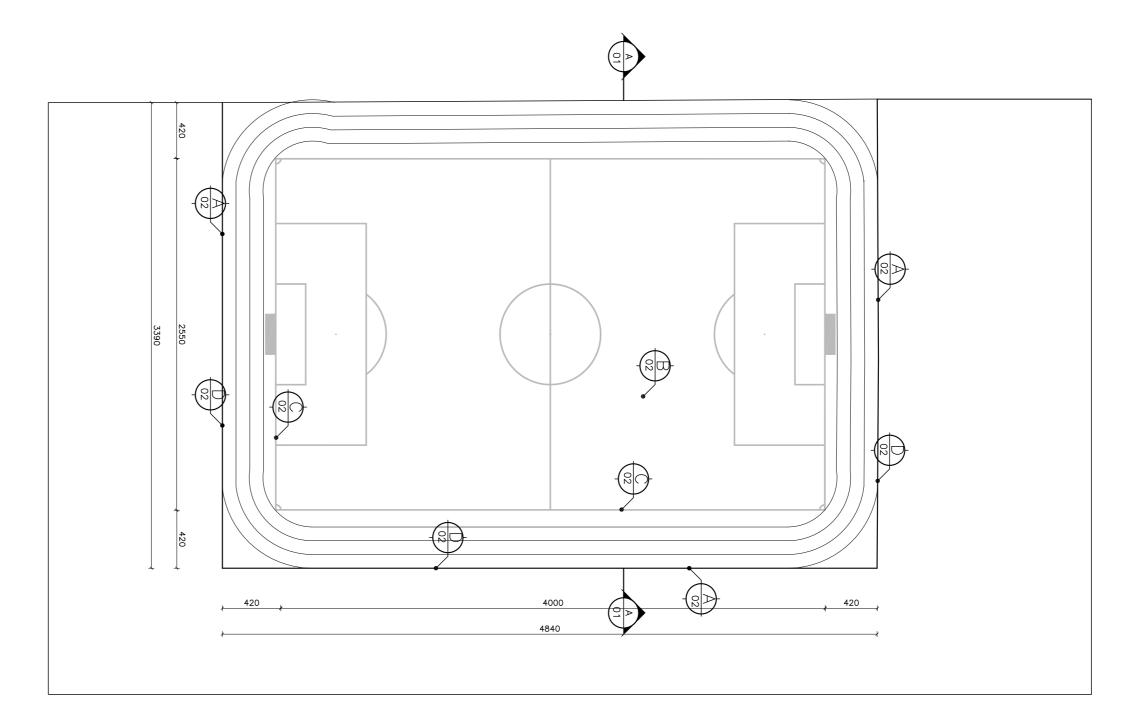
A3	SHEET SIZE
1	SCALE
04.07.2015	DATE
VB	APPROVED
VB	CHECKED
GB	DRAWN
ī	DESIGNED
•	BUILDING
ı	SECTOR
CIVIL ENGINEERING	DISCIPLINE
TENDER	PROJECT PHASE
	PROJECT NBR.
Sheet Information	

Sheet n	

**Sheet Title** 

Discipline Floor Area Drawing Number Revision







3. THE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.

6. REPORT ANY DISCREPANCIES IMMEDIATELY ENGINEER. 5. DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS ONLY.

## NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.

2. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT SERVICES SEPARATIONS AND STANDARD DETAILS. THE CONTRACTORS SHALL COMPLY WITH ALL UTILITIES REQUIREMENTS AND PROVIDE ALL NECESSARY NOTICE AND ATTENDANCE TO THE CONCERNED AUTHORITIES PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE. NCE TO

4. BEFORE STARTING ANY WORK, THE CONTRACTOR HAS TO SUBMIT SHOP DRAWINGS SHOWING ALL DETAILS NEEDED. THE ENGINEER APPROVAL OF THE SHOP DRAWING MUST BE OBTAINED PRIOR TO COMMENCEMENT OF WORK.

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Key Plan

DATE	DESCRIPTION	APP	ВҮ	REV

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GHAZZE RECREATIONAL **SPACES** 

PLOT NO.: BLOCK:

PROJECT NBR. Sheet Information TENDER

GENERAL LAYOUT

PLAYGROUND DIMENSIONS

CHECKED SECTOR BUILDING DESIGNED PROJECT PHASE DISCIPLINE DRAWN CIVIL ENGINEERING GB ₩

Sheet Title

SCALE

APPROVED

VB 04.07.2015

<u>P</u>

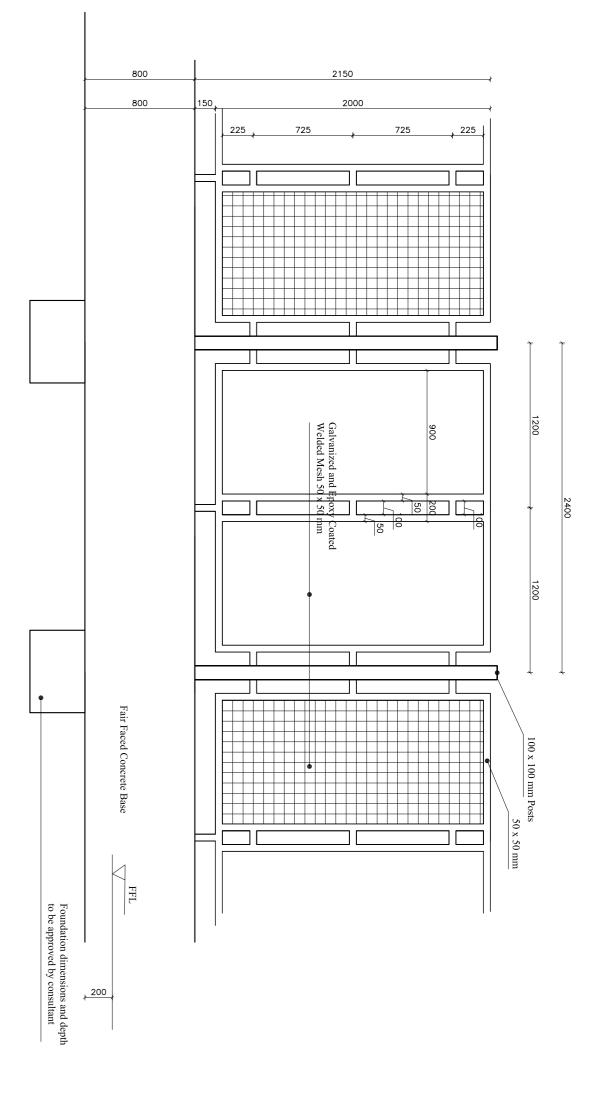
SHEET SIZE

PLAYGROUND LAYOUT MINI FOOTBALL

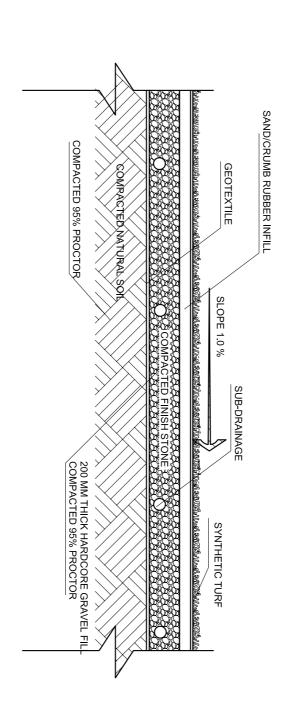
SECTION AA

Sheet nbr.

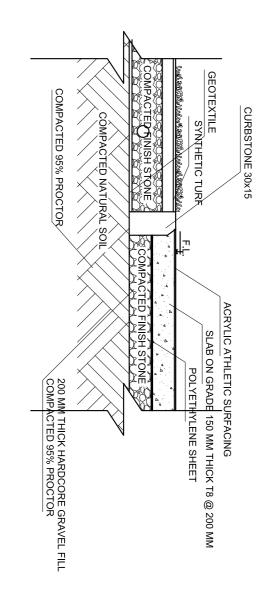
Phase Discipline Floor Area Drawing Number Revision

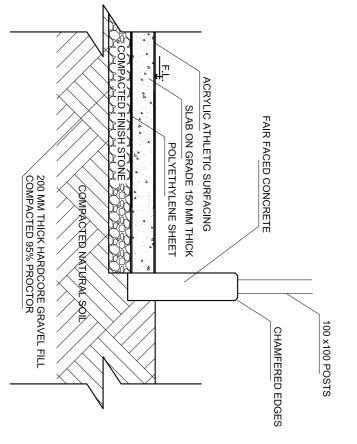


# **DETAIL A: FENCE**



## **DETAIL B: SYNTHETIC** TURF FOR FOOTBALL FIELD





# DETAIL C: SYNTHETIC FOOTBALL FIELD BORDURE AND ATHLETIC SURFACING

**DETAIL D:** SURFACING AND FENCE DETAIL **ATHLETIC** 

# **GENERAL NOTES**

Key Plan

- 1- CONCRETE MIXES & PLACING

  1-1 TWO TYPES OF CONCRETE ARE SPECIFIED:
   CONCRETE FOR BLINDING AND CYCLOPEAN CONCRETE:
   CONCRETE FOR BLINDING AND CYCLOPEAN CONCRETE:
   CONCRETE FOR INFRASTRUCTURAL ELEMENTS FOOTINGS, RAFT, PILES, PILE CAPS, SLAB ON GRADE:
   400 KG OF ORDINARY PORTLAND CEMENT PER CUBIC METER OF CONCRETE. MAX W/C=0.40.
   CONCRETE FOR STRUCTURAL ELEMENTS COLUMNS, BEAMS, WALLS, SLABS:
   400 KG OF ORDINARY PORTLAND CEMENT PER CUBIC METER OF CONCRETE. MAX W/C=0.40.

  1-2 UNLESS OTHERWISE SPECIFIED, THE MINIMUM 28 DAYS COMPRESSIVE STRENGTHS ARE:

  ON CYLINDER
  ON CYLINDER

- ALL CONCRETE SHALL BE MOIST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING OR OTHER APPROVED METHODS. ARY PORTLAND CEMENT TYPE I SHALL BE USED IN ALL INFRASTRUCTURE ELEMENTS.
- CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION, RE-HANDLING OR FLOWING. NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS, UNLESS AUTHORIZED IN WRITING BY THE DESIGNERS.
  ALL REINFORCED CONCRETE TO BE VIBRATED.
  SLUMP TEST: MAXIMUM 7 TO 9 CM.

## REINFORCED CONCRETE

- UNLESS NOTED ON DRAWINGS, THE FOLLOWING IS TO BE CONSIDERED AS TYPICAL
- BASIS OF DESIGN: THE BAEL 91-MOD99 CODE

  PARTICULAR CARE SHOULD BE GIVEN TO THE PLACING OF REINFORCEMENT, THE MIXING AND
  CASTING OF CONCRETE, AND ACCORDING TO THE SPECIFICATIONS FOR THIS TRADE.

  CONCRETE POURS SHALL PREFERABLY BE CONTINUOUS BETWEEN JOINTS.
- THE MINIMUM CONCRETE PROTECTIVE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
- -FOR COLUMNS:
  -FOR INTERNAL WALLS NOT EXPOSED TO WEATHER:
  -FOR EXTERNAL WALLS EXPOSED TO WEATHER:
  -FOR WALLS EXPOSED TO EARTH:
  -FOR FOOTINGS:
  -FOR SLAB ON GRADE: -FOR SOLID SLABS: -FOR BEAMS: EX EXTERNAL INTERNAL 2.5 cm
  4 cm
  2.5 cm
  4 cm
  2.5 cm
  5 cm
  5 cm
- 2-5 FOR ALL ELECTROMECHANICAL RESERVATIONS IN WALLS, SLABS AND BEAMS, EXACT LOCATION TO BE COORDINATED WITH ELECTROMECHANICAL DRAWINGS.
- 2-6 OPENINGS SMALLER THAN 150mm MAY BE FORMED EITHER BY BOXING OUT OR BY CAREFUL DRILLING BY CORE CUTTER AFTER CASTING.

  2-7 ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE FRENCH CODE NF P 02 016
- 2-8 ALL CONSTRUCTION JOINTS SHALL BE WIRE BRUSHED AND CLEANED IMMEDIATELY PRIOR TO POURING NEW CONCRETE,THE SURFACE OF THE CONCRETE AT ALL JOINTS SHALL BE ROUGHENED MINIMUM 6mm,THOROUGHLY CLEANED AND ALL LAITANCE REMOVED PRIOR TO PLACING ADJOINING CONCINE SEQUENCE OF POURING CONCRETE SHALL BE SUCH AS TO MINIMIZE SHRINKAGE.
- 2-10 ALL REINFORCEMENT SHALL BE CONTINUED ACROSS CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE
- 2-11 PROVIDE WATERPROOFING COATING IN MANHOLES
  2-12 PROVIDE CONSTRUCTION JOINTS EVERY 25 METERS WITH PROPER WATERSTOPING
  2-13 REINFORCING STEEL TO BE BENT AND PLACED IN ACCORDANCE WITH "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES (BAEL91-MOD99)".
  2-14 MAXIMUM AGGREGATE SIZE TO BE 2cm.
- PROVIDE CONTINUOUS KEYWAYS AT RETAINING WALL CONSTRUCTION JOINTS.
- ALL REINFORCING STEEL SHALL BE SECURELY WIRED IN PLACE BEFORE CONCRETE IS PLACED MAXIMUM SPACING OF BAR SUPPORTS IN SLAB ON GRADE TO BE 1.2m.
- DRILLING IN BEAMS AND COLUMNS FOR MOULDING INSTALLATION OR ANY OTHER PURPOSE, SHOULD BE DONE WITH EXTREME CARE TO AVOID CUTTING ANY OF THE STEEL REINFORCING. LOCATE BARS AND STIRRUPS BEFORE ANY DRILLING.THE CONTRACTOR TO PROVIDE INFORMATION ON HIS PROCIN WRITING TO STRUCTURAL ENGINEER BEFORE ANY DRILLING.
- 3- STRENGTH, SIZES USED, SPLICE LENGTH HIGH TENSILE STEEL

T12

T16

T20 T25 T32

MILD STEEL Ø6

L BE Fe E235 Fe E500

- UNLESS OTHERWISE NOTED ON DRAWINGS, ALL REINFORCEMENT SHATIES AND STIRRUPS (PLAIN STEEL BAR)

OTHER BARS (HIGH TENSILE STEEL (MIN. YIELD STRENGTH))

- UNLESS OTHERWISE NOTED, MINIMUM SPLICE LENGTH
FOR HIGH TENSILE STEEL TO BE AS FOLLOWS:

HTS HIGH TENSILE STEEL : 50 × BAR DIAMETER

T8 - 40cm
T10 - 50cm
T12 - 60cm
T16 - 80cm
T20 - 100cm
T25 - 125cm
T32 - 160cm

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	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION

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PROJECT:

**GHAZZE** 

RECREATIONAL

**SPACE** 

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PLOT NO.: BLOCK:

Sheet Information

SECTOR BUILDING SCALE CHECKED DESIGNED DRAWN PROJECT PHASE DISCIPLINE SHEET APPROVED PROJECT NBR. CIVIL ENGINEERING 04.07.2015 TENDER GB  $\leq$  $\leq$ B  $\geq$ 

# Sheet Title

CONSTRUCTION DETAILS

Sheet nbr.

Discipline Floor Area Drawing Number Revision