ENGINEERING DRAWINGS

FOR

ENGINEERING DESIGN OF WASH FACILITIES ACROSS BORNO, ADAMAWA AND YOBE (BAY) STATES

Service Contract No: YOL SC 14

DUMNE - TOWN MAIN WATER SCHEME

CLIENT: USAID/MERCY CORPS

CONSULTANTS:

KONSADEM ASSOCIATES LTD
Engineers & Consultants
30, Onireke Layout,
P.M. B. 5478, Ibadan, NIGERIA.
E-mail:konsadem@gmail.com

2ML CONSULTING NIGERIA LTD
Office 8, B1-Close Off 69(A) Road
Gwarinpa Abuja,

MAY, 2021.
2 NO. NEW SOLAR POWERED BOREHOLE (Location to be determined by Geophysical survey)
Lockable Temporary Steel Cap

250mm dia. API Steel/UPVC Casing

Cement grout in borehole annulus 6m from ground level

Backfill with cutting from drill hole

250/150mm dia. mild steel/UPVC Adapter

Gravel pack with 2-4mm dia. gravel inserted to a minimum of 3m above the screen

150mm dia. stainless steel/UPVC screen

1.5m length of 150mm dia. plain casing as sump

Borehole depth as specified
PLAN GATE VALVE IN FULL SIZE BOX

SECTION A-A

SECTION B-B

ENGINEERING DESIGN OF WASH FACILITIES ACROSS BORNO, ADAMAWA AND YORE (BAY) STATES

USAID/MERCY CORPS

KONSADEM ASSOCIATES LTD

2ML CONSULTING NIGERIA LTD

Engineers & Consultants

Office B-3, Close Off 69(A) Road

Gwarinpa Abuja,

Ibadan, NIGERIA.

USAID/BAY/AD-DUM

CONSULTANT

CLIENT

Designed:

Engineer:

Drawn:

Traced:

Checked:

Date:

Ref. No:

Service Contract No:

STAMP

BB/TP/03

TYPICAL GATE VALVE DETAILS
REINFORCED CONCRETE COVER REINFORCEMENT
Ø12mm @ 150mm CENTRES

OPEN JOINTED MASONRY

GRANVEL PACK

PLAN: PUBLIC STAND POST

SECTION B-B
TE 25mm x 25mm

25mm TAP TAFLO VALVE

WIRE MESH AND #8mm VERTICAL BARS

#25mm uPVC pipe (PN 16)

WIRE MESH

REDUCER

#50mm uPVC pipe

BOARD STOP COCK

CLAMP SADDLE

SECTION A-A

UPVC DISTRIBUTION MAIN

TYPICAL PUBLIC STAND POST DETAILS

ENGINEERING DESIGN OF WASH FACILITIES ACROSS BORNO, ADAMAWA AND YOBE (BAY) STATES

Ref. No: BB/TP/05

City: ADAMAWA

Scale: 1:50

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