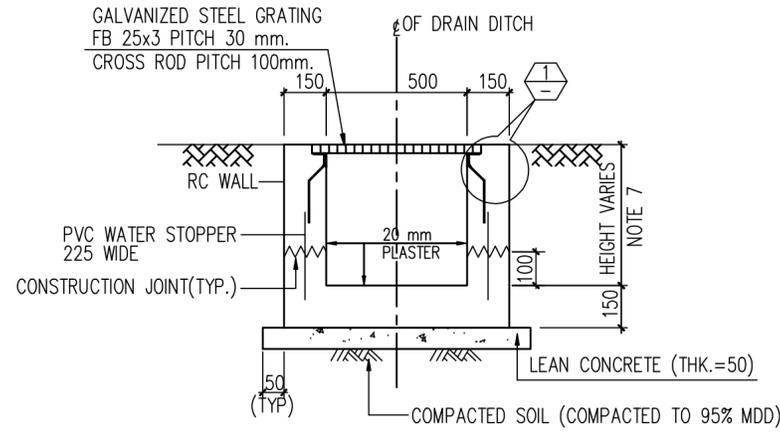
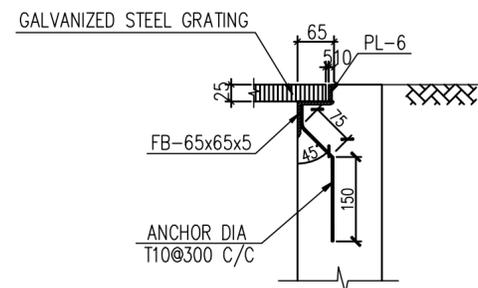


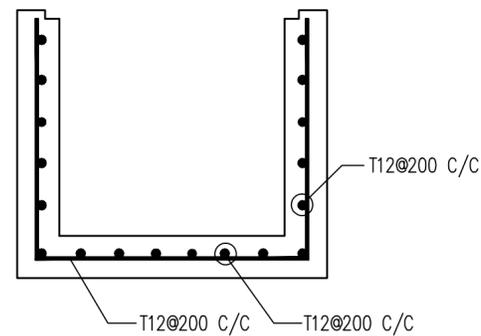
TYPICAL PLAN OF DRAIN DITCH
WIDTH=500mm SCALE 1:20



SECTION A
SCALE 1:20



DETAIL 1
NTS



SECTION A
REINFORCEMENT DETAIL

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- LOCATION SHALL BE VERIFIED WITH THE LATEST LAYOUT SHOWN IN REF. No. NGP-000-SCW-15.01-2004-23 STORM WATER DRAINAGE PLAN.
- FOR GENERAL NOTES FOR REINFORCED CONCRETE WORKS REFER DWG NO. NGP-000-SCW-15.01-0001-00.
- MINIMUM CYLINDER COMPRESSIVE STRENGTH OF CONCRETE AT 28DAYS.
 - STRUCTURAL CONCRETE : $F_c = 21\text{MPa}$
 - LEAN CONCRETE : $F_c = 14\text{MPa}$
- YIELD STRENGTH OF REINFORCEMENT BAR
 - $F_y = 420\text{MPa}$, ASTM A615, DENOTED WITH "T"
- FOR GALVANIZED STEEL GRATING SHALL FOLLOW THE REQUIREMENT OF DWG. NO. NGP-000-SCW-15.01-0017-00.
- THE HEIGHT NEEDS TO BE REFERRED FROM STORM WATER DRAINAGE PLAN.

REFERENCE DOCUMENTS

TITLE	DOC No.
DESIGN BASIS FOR CIVIL AND STEEL STRUCTURES WORKS	NGP-000-SCW-15.05-0001-00
SPECIFICATION FOR EARTH WORK AND SITE PREPARATION	NGP-000-SCW-15.03-2001-00
STANDARD DRAWING OF ROAD SECTIONS	NGP-000-SCW-15.01-2001-23
GENERAL PLOT PLAN	NGP-000-GEN-15.01-0001-00
SIT GRADING AND LEVELING PLAN	NGP-000-SCW-15.01-2005-23
GRADING AND VERTICAL PLAN	NGP-000-SCW-15.01-2006-23
RIPRAP SLOPE PROTECTION LAYOUT	NGP-000-SCW-15.01-2007-23
STORM WATER DRAINAGE PLAN	NGP-000-SCW-15.01-2004-23
STANDARD DRAWING FOR STORM WATER	NGP-000-SCW-15.01-0010-00

REV.	DESCRIPTION	PRPD	CHKD	REVD	APPD	DATE
00	Approved for Construction	XIAO.	YANG.	ZHANG.	QIU.	05/07/2016
C1	Issued for Approval	XIAO.	YANG.	ZHANG.	QIU.	08/06/2016
C	Issued for Approval	XIAO.	YANG.	ZHANG.	QIU.	20/05/2016
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A	Internal Discipline Check	XIAO.	YANG.	ZHANG.	QIU.	20/04/2016

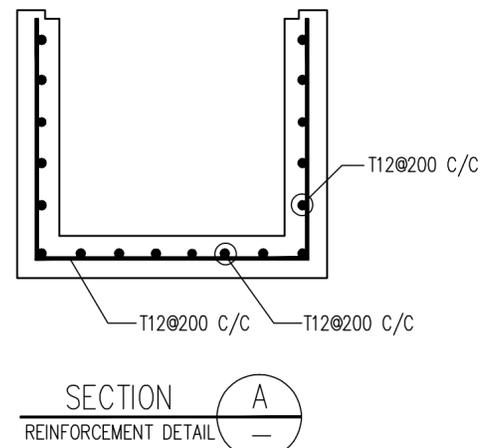
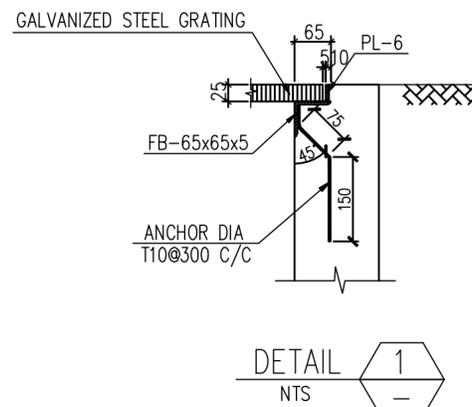
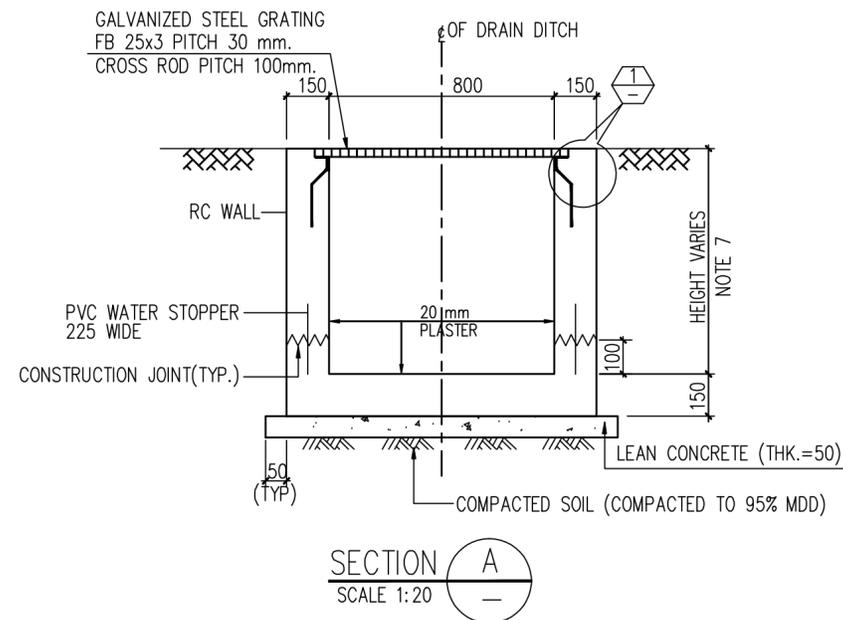
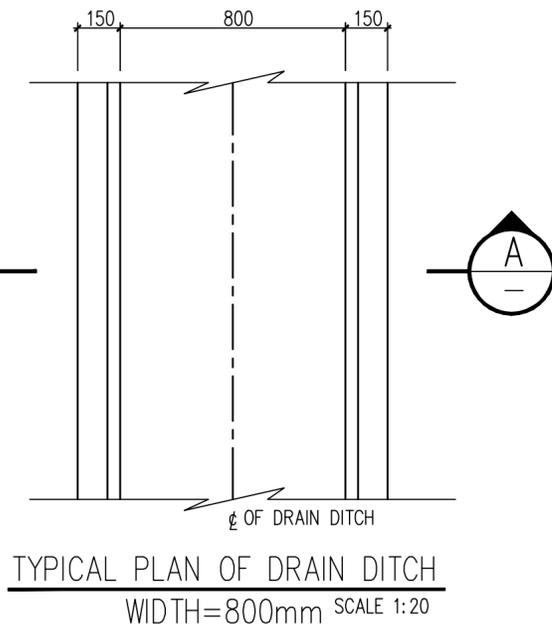
CLIENT: **OIL&GAS DEVELOPMENT COMPANY LTD.**
OGDCL HOUSE TOWER 8, FIRST FLOOR FROM BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN
 FAC: +92 001 252225, PHONE: +92 001 402225

CONSULTANT: **Zishan Engineers (Pvt.) Ltd.**
An ISO 9001-2008 certified company
 47/F Block B, PECH-8, Kamrah-Pakistan
 Tel: (92-01) 3433343-40, & 34310101-54, Fax: (92-01) 34333430 & 34510108
 E-Mail: contact@zishanengineers.com Website: www.zishanengineers.com

CONTRACTOR: **HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED**
 PROJECT NO. NASHPA 1247

PROJECT TITLE: **NASHPA GAS PROCESSING AND LPG RECOVERY PLANT PROC-FC-CB/NASHPA/PROJ-1247/2016**
 DRAWING NO. NGP-000-SCW-15.01-2010-23

DRAWING TITLE: **DETAIL DRAWING OF STORM WATER DRAIN DITCH**
 REV. 00 SCALE NTS SHEET 1 OF 6



GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
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 - LEAN CONCRETE : $F_c = 14\text{MPa}$
- YIELD STRENGTH OF REINFORCEMENT BAR
 - $F_y = 420\text{MPa}$, ASTM A615, DENOTED WITH "T"
- FOR GALVANIZED STEEL GRATING SHALL FOLLOW THE REQUIREMENT OF DWG. NO. NGP-000-SCW-15.01-0017-00.
- THE HEIGHT NEEDS TO BE REFERRED FROM STORM WATER DRAINAGE PLAN.

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RIPRAP SLOPE PROTECTION LAYOUT	NGP-000-SCW-15.01-2007-23
STORM WATER DRAINAGE PLAN	NGP-000-SCW-15.01-2004-23
STANDARD DRAWING FOR STORM WATER	NGP-000-SCW-15.01-0010-00

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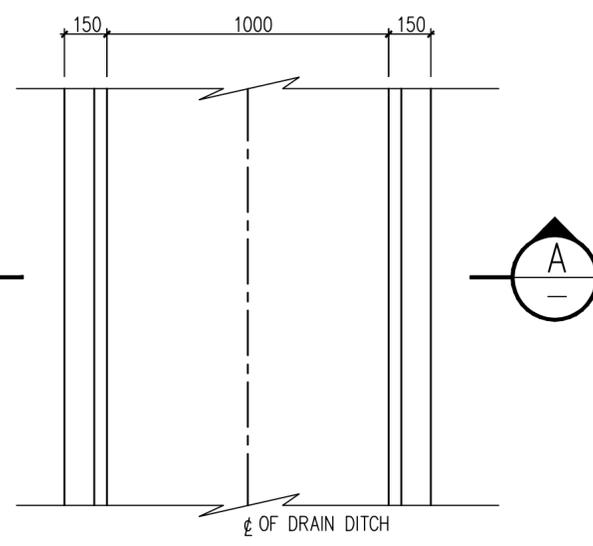
CLIENT: **OIL&GAS DEVELOPMENT COMPANY LTD.**
 47/F, Block G, P&C-B, Kamoh-Palms
 47/F, Block G, P&C-B, Kamoh-Palms
 47/F, Block G, P&C-B, Kamoh-Palms

CONSULTANT: **Zishan Engineers (Pvt.) Ltd.**
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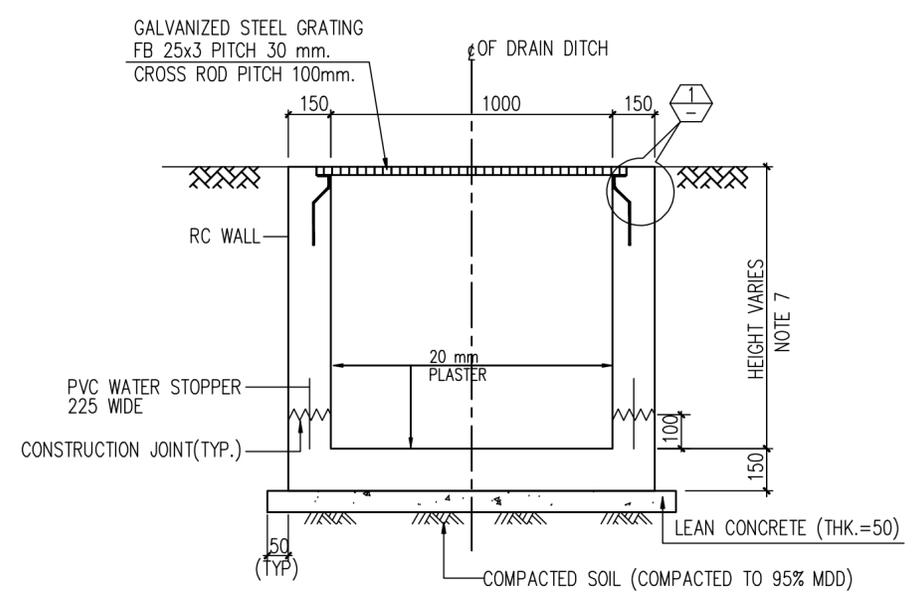
CONTRACTOR: **HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED**
 PROJECT NO. NASHPA 1247

PROJECT TITLE: **NASHPA GAS PROCESSING AND LPG RECOVERY PLANT PROC-FC-CB/NASHPA/PROJ-1247/2015**
 DRAWING NO. NGP-000-SCW-15.01-2010-23

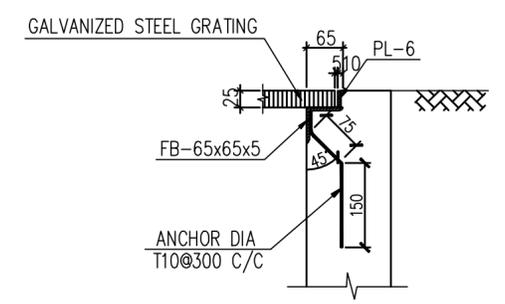
DRAWING TITLE: **DETAIL DRAWING OF STORM WATER DRAIN DITCH**
 REV. SCALE SHEET
 00 NTS 2 OF 6



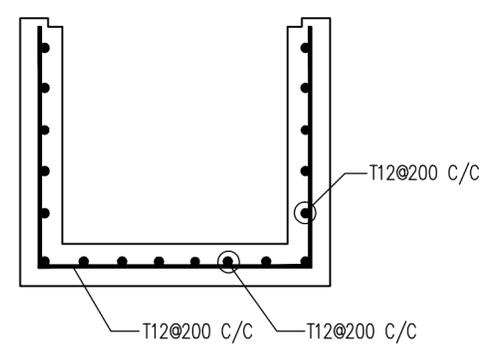
TYPICAL PLAN OF DRAIN DITCH
WIDTH=1000mm SCALE 1:20



SECTION A-A
SCALE 1:20



DETAIL 1
NTS



SECTION A-A
REINFORCEMENT DETAIL

GENERAL NOTES

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 - $F_y = 420\text{MPa}$, ASTM A615, DENOTED WITH "T"
- FOR GALVANIZED STEEL GRATING SHALL FOLLOW THE REQUIREMENT OF DWG. NO. NGP-000-SCW-15.01-0017-00.
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STORM WATER DRAINAGE PLAN	NGP-000-SCW-15.01-2004-23
STANDARD DRAWING FOR STORM WATER	NGP-000-SCW-15.01-0010-00

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A	Internal Discipline Check	XIAO.	YANG.	ZHANG.	QIU.	20/04/2016

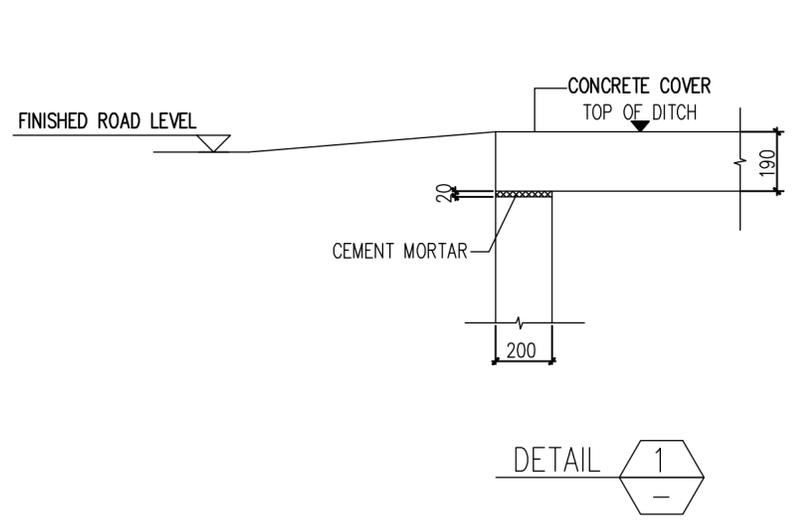
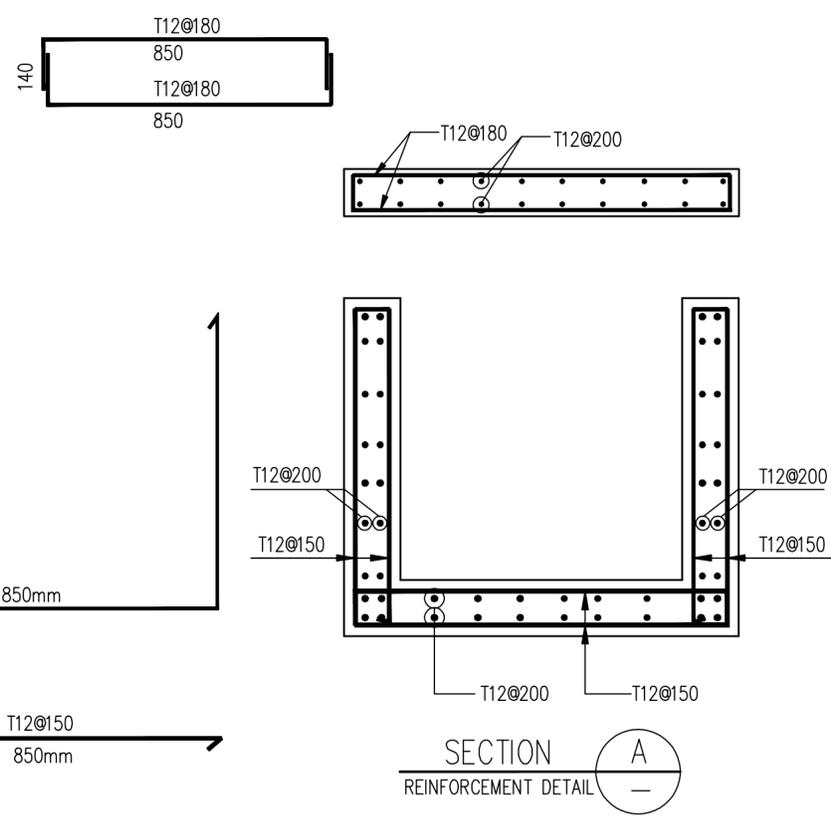
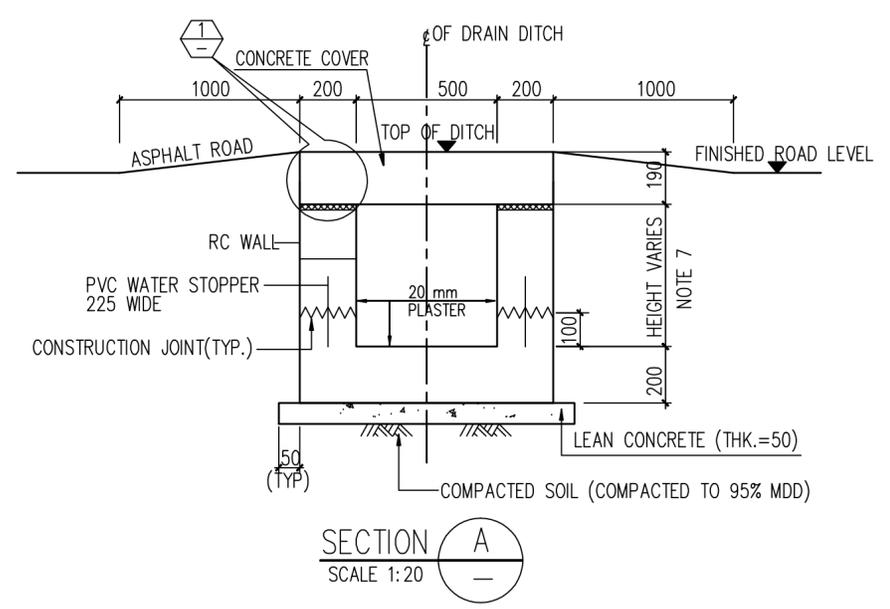
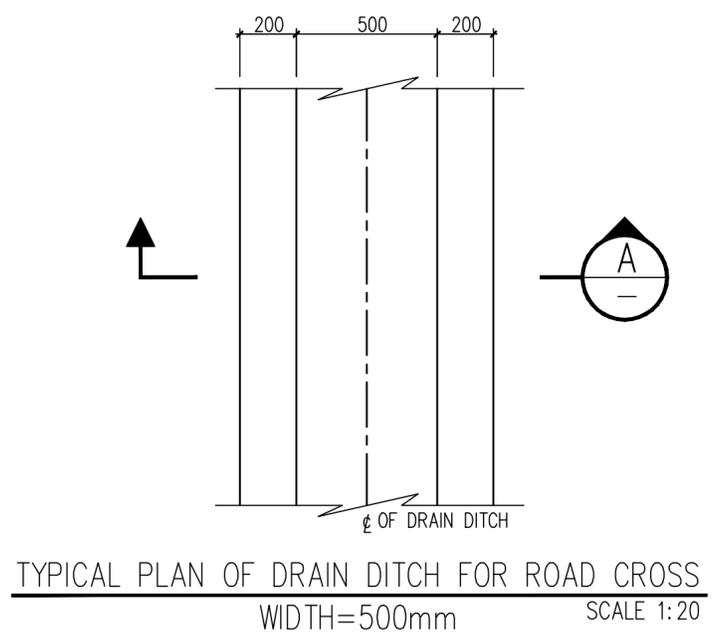
CLIENT: OIL&GAS DEVELOPMENT COMPANY LTD.
6000, HONG TONG PAO, FIRST FLOOR FROM BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN
 FAC: +92 011 2522000, PHONE: +92 011 2522000

CONSULTANT: Zishan Engineers (Pvt.) Ltd.
 An ISO 9001-2008 certified company
47/F Block G, PECH-8, Kamrah-Pakistan
 Tel: (92-011) 34383430-40, & 34310101-54, Fax: (92-011) 34333430 & 34510108
 E-Mail: contact@zishanengineers.com Website: www.zishanengineers.com

CONTRACTOR: HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED
PROJECT NO.: NASHPA 1247

PROJECT TITLE: NASHPA GAS PROCESSING AND LPG RECOVERY PLANT PROC-FC-CB/NASHPA/PROJ-1247/2015
DRAWING NO.: NGP-000-SCW-15.01-2010-23

DRAWING TITLE: DETAIL DRAWING OF STORM WATER DRAIN DITCH
REV. SCALE SHEET: 00 NTS 3 OF 6



GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL ELEVATIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. LOCATION SHALL BE VERIFIED WITH THE LATEST LAYOUT SHOWN IN REF. No. NGP-000-SCW-15.01-2004-23 STORM WATER DRAINAGE PLAN.
3. FOR GENERAL NOTES FOR REINFORCED CONCRETE WORKS REFER DWG NO. NGP-000-SCW-15.01-0001-00.
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 - STRUCTURAL CONCRETE : $F_c = 28\text{MPa}$
 - LEAN CONCRETE : $F_c = 14\text{MPa}$
5. YIELD STRENGTH OF REINFORCEMENT BAR
 - $F_y = 420\text{MPa}$, ASTM A615, DENOTED WITH "T"
6. FOR GALVANIZED STEEL GRATING SHALL FOLLOW THE REQUIREMENT OF DWG. NO. NGP-000-SCW-15.01-0017-00.
7. THE HEIGHT NEEDS TO BE REFERRED FROM STORM WATER DRAINAGE PLAN.

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STORM WATER DRAINAGE PLAN	NGP-000-SCW-15.01-2004-23
STANDARD DRAWING FOR STORM WATER	NGP-000-SCW-15.01-0010-00

REV.	DESCRIPTION	PRPD	CHKD	REVD	APPD	DATE
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C1	Issued for Approval	XIAO.	YANG.	ZHANG.	QIU.	08/06/2016
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B	Issued for Review	XIAO.	YANG.	ZHANG.	QIU.	28/04/2016
A	Internal Discipline Check	XIAO.	YANG.	ZHANG.	QIU.	20/04/2016

CLIENT:

OIL & GAS DEVELOPMENT COMPANY LTD.
 400/2, HONG TONG PAO, FIRST FLOOR, BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN
 P.O. BOX 222222, P.O. BOX 422222

CONSULTANT:

Zishan Engineers (Pvt.) Ltd.
 An ISO 9001-2008 certified company
 47/F Block B, PEC-85, Kamohi-Pakistan
 Tel: (92-91) 3433343-43 & 34310101-54, Fax: (92-91) 34333430 & 34510108
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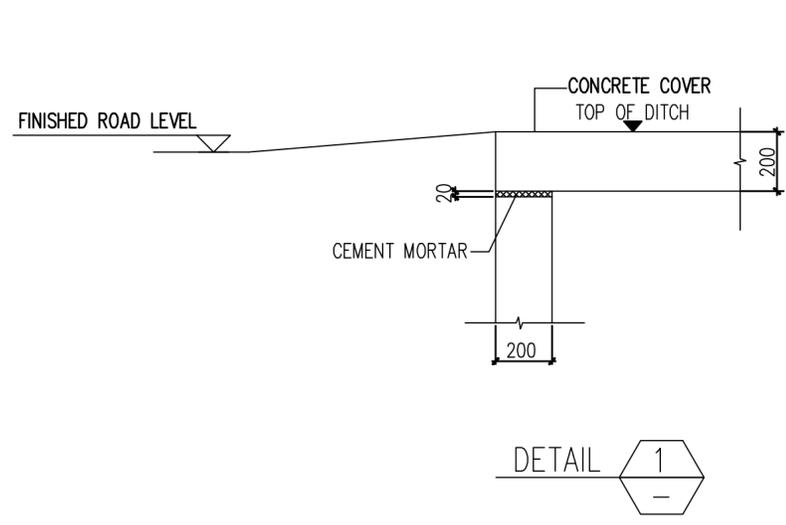
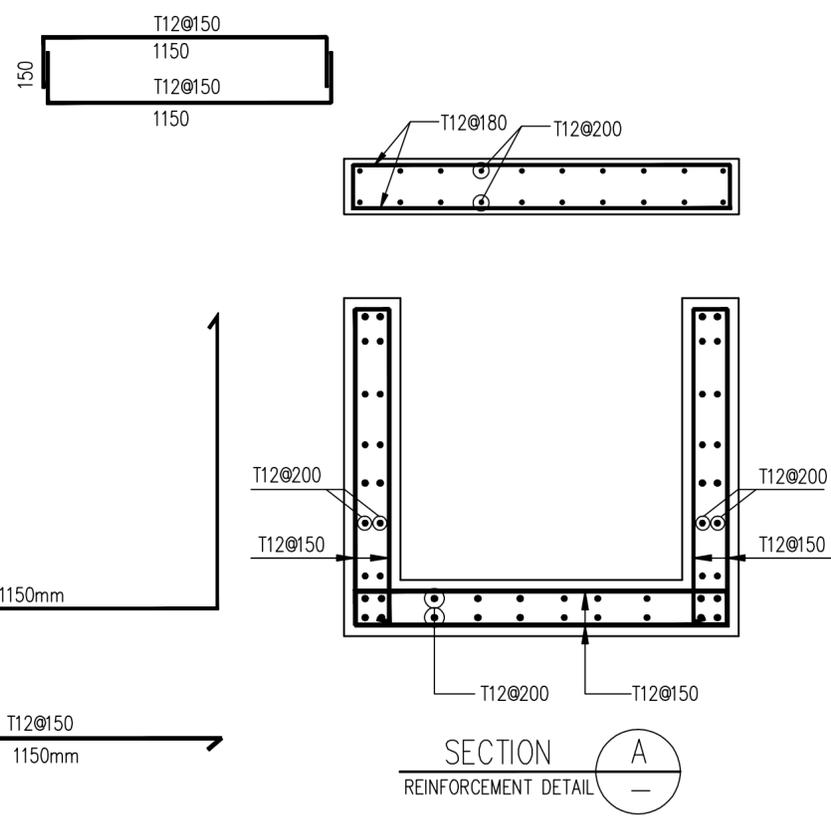
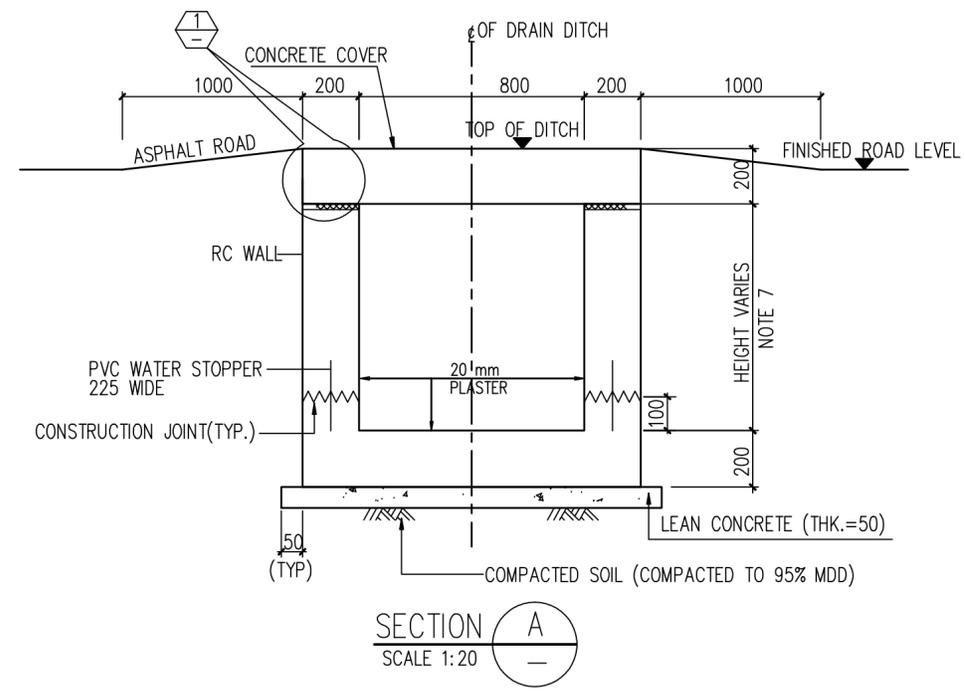
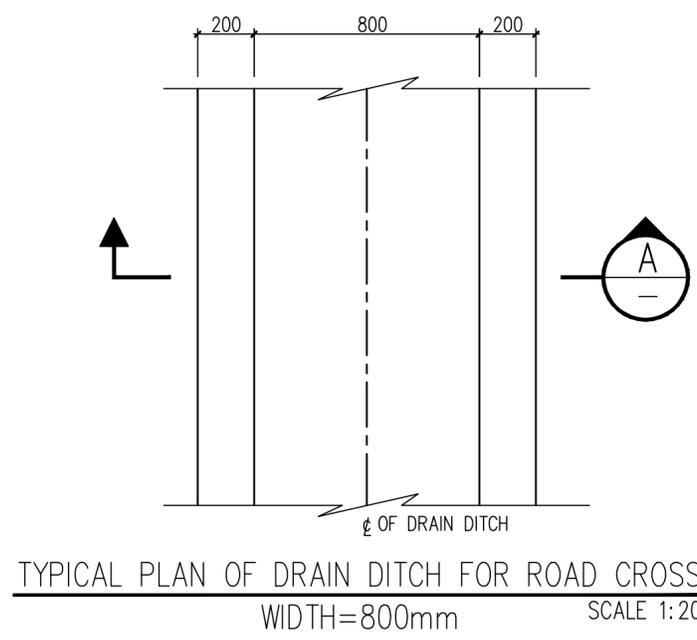
CONTRACTOR:

HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED

PROJECT TITLE: NASHPA GAS PROCESSING AND LPG RECOVERY PLANT PROC-FC-CB/NASHPA/PROJ-1247/2015
PROJECT NO.: NASHPA 1247

DRAWING NO.: NGP-000-SCW-15.01-2010-23
DRAWING TITLE: DETAIL DRAWING OF STORM WATER DRAIN DITCH

REV. SCALE SHEET
 00 NTS 4 OF 6



- ### GENERAL NOTES
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CLIENT: OIL&GAS DEVELOPMENT COMPANY LTD.
6000, HUIHUA TOWER, FIRST FLOOR, BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN
 POC: +92 343 3434343, PHONE: +92 343 3434343

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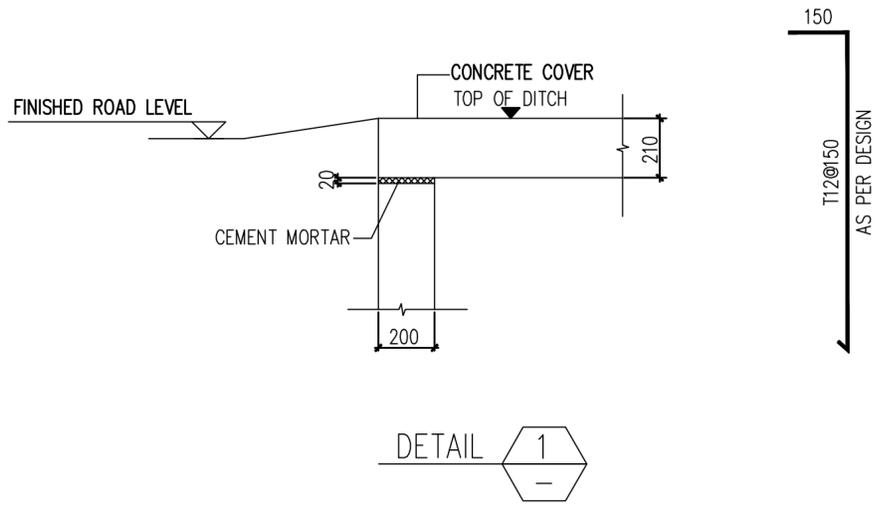
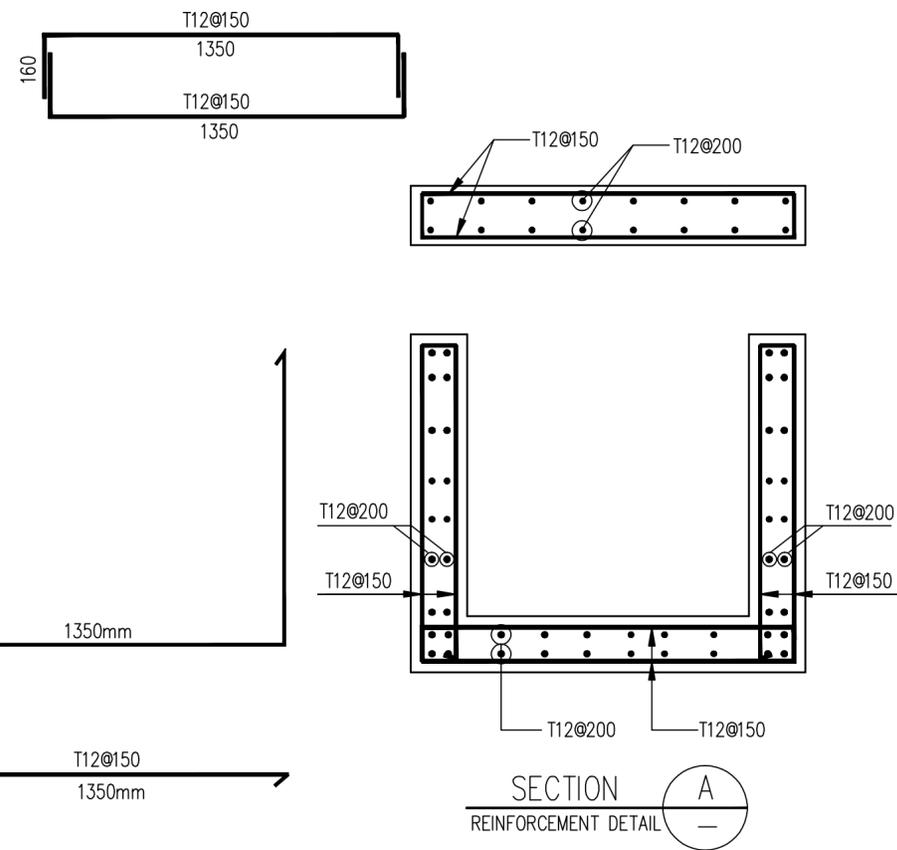
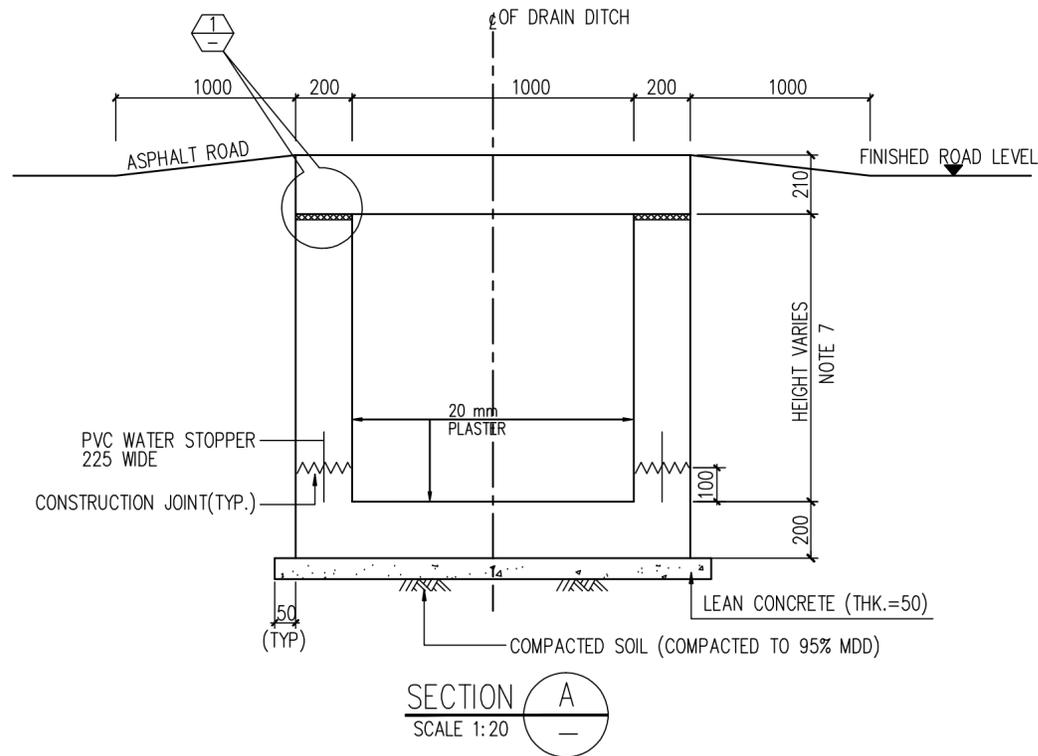
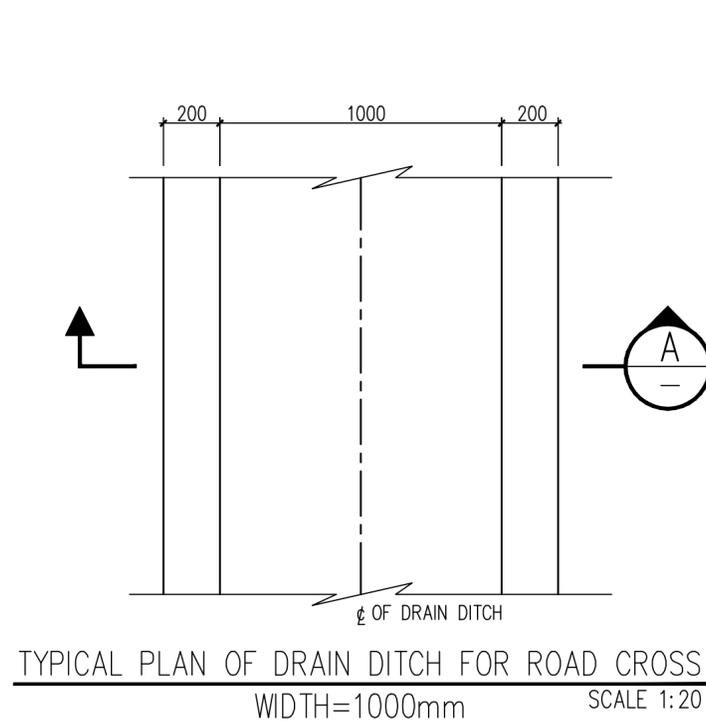
CONTRACTOR: HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED
HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED

PROJECT TITLE: NASHPA GAS PROCESSING AND LPG RECOVERY PLANT PROC-FC-CB/NASHPA/PROJ-1247/2015

DRAWING NO.: NGP-000-SCW-15.01-2010-23

DRAWING TITLE: DETAIL DRAWING OF STORM WATER DRAIN DITCH

REV.	SCALE	SHEET
00	NTS	5 OF 6



GENERAL NOTES

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C1	Issued for Approval	XIAO.	YANG.	ZHANG.	QIU.	08/06/2016
B	Issued for Approval	XIAO.	YANG.	ZHANG.	QIU.	20/05/2016
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REV. SCALE SHEET:
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