



METRO COTABATO WATER DISTRICT

Gov. Gutierrez Avenue, Cotabato City, P.O. Box 657

Tel. No. (064) 4211070; Telefax. No. (064) 4213009

Email Add: mcwd_procurement@yahoo.com



SUPPLEMENTAL / BID BULLETIN

ADDENDUM NO. 23-04

"1 Lot – Pipe Installation Project (8"Ø and 6"Ø uPVC Pipe) along SK Pendatun Extension (corner Quezon Ave. to Lumayon St. Section) Brgys. Poblacion MB, 2 & 4, Cotabato City (PR#23-05-0268)"

This Addendum No. 23-04 is being issued to add, clarify, modify or amend provisions in the Bidding Documents, which shall form an integral part thereof:

ORIGINAL	AMENDMENT																																																			
<p>Section III. Bid Data Sheet</p> <p>ITB Clause 10.4 (page 19) The key personnel must meet the required minimum years of experience set below:</p> <table border="1"> <thead> <tr> <th>Key Personnel</th> <th>General Experience</th> <th>Relevant Experience</th> </tr> </thead> <tbody> <tr><td>Project Manager</td><td>10</td><td>10</td></tr> <tr><td>Project Engineer</td><td>5</td><td>5</td></tr> <tr><td>Foreman</td><td>5</td><td>5</td></tr> <tr><td>Pipefitter</td><td>5</td><td>3</td></tr> <tr><td>Mason</td><td>3</td><td>3</td></tr> <tr><td>Safety Officer</td><td>3</td><td>3</td></tr> <tr><td>Welder</td><td>3</td><td>3</td></tr> </tbody> </table> <p>* Safety Officer must have completed 40-hour mandatory training on Construction Occupational Safety and Health</p> <p>Section VI. Specifications (page 37)</p> <p>11. EARTHWORKS XXX</p> <p>The contractor shall provide rigid covering such as steel plate on excavated areas to prevention accidents. The contractor shall shoulder any incidental expenses.</p> <p>15. CERTIFICATIONS The Lowest Calculated Responsive Bidder (LCRB) shall submit a certificate from the manufacturers/suppliers that equivalent to 30% of the total cost of the materials that will be used in this project (<u>103 pcs. of 8"Ø x 6m uPVC Pipeline</u>) will be available within 20 days after the issuance of the Notice of Award.</p>	Key Personnel	General Experience	Relevant Experience	Project Manager	10	10	Project Engineer	5	5	Foreman	5	5	Pipefitter	5	3	Mason	3	3	Safety Officer	3	3	Welder	3	3	<p>Section III. Bid Data Sheet</p> <p>ITB Clause 10.4 (page 19) The key personnel must meet the required minimum years of experience set below:</p> <table border="1"> <thead> <tr> <th>Key Personnel</th> <th>General Experience</th> <th>Relevant Experience</th> </tr> </thead> <tbody> <tr><td>Project Manager</td><td>10</td><td>10</td></tr> <tr><td>Project Engineer</td><td>5</td><td>5</td></tr> <tr><td>Material Engineer</td><td>3</td><td>3</td></tr> <tr><td>Foreman</td><td>5</td><td>5</td></tr> <tr><td>Pipefitter</td><td>5</td><td>3</td></tr> <tr><td>Mason</td><td>3</td><td>3</td></tr> <tr><td>Safety Officer</td><td>3</td><td>3</td></tr> <tr><td>Welder</td><td>3</td><td>3</td></tr> </tbody> </table> <p>* Safety Officer must have completed 40-hour mandatory training on Construction Occupational Safety and Health</p> <p>Section VI. Specifications (page 37)</p> <p>11. EARTHWORKS XXX</p> <p>The contractor shall provide rigid covering such as steel plate on excavated areas to prevent accidents. The contractor shall shoulder any incidental expenses</p> <p>15. CERTIFICATIONS During bid opening, bidders must submit a certification of availability of stocks from manufacturer/supplier/bidder for the 103 pcs. of 8"Ø x 6m uPVC Pipes which is equivalent to the thirty percent (30%) of the total cost of the materials to be used in this project.</p>	Key Personnel	General Experience	Relevant Experience	Project Manager	10	10	Project Engineer	5	5	Material Engineer	3	3	Foreman	5	5	Pipefitter	5	3	Mason	3	3	Safety Officer	3	3	Welder	3	3
Key Personnel	General Experience	Relevant Experience																																																		
Project Manager	10	10																																																		
Project Engineer	5	5																																																		
Foreman	5	5																																																		
Pipefitter	5	3																																																		
Mason	3	3																																																		
Safety Officer	3	3																																																		
Welder	3	3																																																		
Key Personnel	General Experience	Relevant Experience																																																		
Project Manager	10	10																																																		
Project Engineer	5	5																																																		
Material Engineer	3	3																																																		
Foreman	5	5																																																		
Pipefitter	5	3																																																		
Mason	3	3																																																		
Safety Officer	3	3																																																		
Welder	3	3																																																		



METRO COTABATO WATER DISTRICT

Gov. Gutierrez Avenue, Cotabato City, P.O. Box 657
Tel. No. (064) 4211070; Telefax. No. (064) 4213009
Email Add: mcwd_procurement@yahoo.com



ORIGINAL	AMENDMENT						
<p><i>NOTE: MCWD shall take charge of excavation permit & transfer of existing water meters to the stand pipes installed by the contractor.</i></p> <p><i>NOTE: If the contractor failed to restore the excavated trenches, concrete and asphalt surfaces in the required timeline, the MCWD will intervene and the cost of restorations and other charges will be paid by the contractor to MCWD.</i></p> <p>Section VII. Drawings (page 38)</p> <p>Section IX. Checklist of Technical and Financial Documents (page 44)</p> <p>(j) Project Requirements, which shall include the following:</p> <ol style="list-style-type: none"> Organizational chart for the contract to be bid; List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data; List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; <u>and</u> 	<p><i>After issuance of the Notice of Award, such material must be available within twenty (20) calendar days to the LCRB's stockyard, subject to inspection by the MCWD – TWG and Inspection Team as one of the requirements for the issuance of Notice to Proceed (NTP) and non-compliance of such requirement shall be a ground for outright disqualification.</i></p> <p><i>NOTE: MCWD shall take charge of excavation permit & transfer of existing water meters to the stand pipes installed by the contractor.</i></p> <p><i>NOTE: If the contractor failed to restore the excavated trenches, concrete and asphalt surfaces in the required timeline, the MCWD will intervene and the cost of restorations and other charges will be paid by the contractor to MCWD.</i></p> <p>I hereby certify to comply with all the above Technical Specifications.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-top: 1px solid black; width: 33%;"></td> <td style="border-top: 1px solid black; width: 33%;"></td> <td style="border-top: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">Name of Company/ Bidder</td> <td style="text-align: center;">Signature Over Printed Name of Representative</td> <td style="text-align: center;">Date</td> </tr> </table> <p>Section VII. Drawings (page 38) (Please see the attached drawings)</p> <p>Section IX. Checklist of Technical and Financial Documents (page 44)</p> <p>(j) Project Requirements, which shall include the following:</p> <ol style="list-style-type: none"> Organizational chart for the contract to be bid; List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data; List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; <u>and</u> Conformity with the Technical Specifications. 				Name of Company/ Bidder	Signature Over Printed Name of Representative	Date
Name of Company/ Bidder	Signature Over Printed Name of Representative	Date					



METRO COTABATO WATER DISTRICT

Gov. Gutierrez Avenue, Cotabato City, P.O. Box 657
Tel. No. (064) 4211070; Telefax. No. (064) 4213009
Email Add: mcwd_procurement@yahoo.com



This Supplemental/Bid Bulletin shall form part of the Bidding Documents. Any provisions in the Bidding Documents inconsistent herewith is hereby amended, modified and superseded accordingly.

For the guidance and information of all concerned.

Issued this 30th of May 2023 at Metro Cotabato Water District, Cotabato City, Maguindanao.

Reviewed and approved by:


JOSELITO D. NUÑEZ, JR.
BAC - Chairperson

45/31

REPUBLIC OF THE PHILIPPINES
METRO COTABATO WATER DISTRICT

Governor Gutierrez Avenue, Cotabato City 9600

PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)
ALONG SK PENDATUN EXTENSION

(CORNER QUEZON AVENUE TO CORNER LUMAYON STREET SECTION)
Barangays Poblacion Mother, 2 & 4, Cotabato City

Prepared by:



ENGINEERING AND CONSTRUCTION DIVISION

ENGINEERING AND MAINTENANCE DEPARTMENT

GENERAL NOTES:

- 1.) USE uPVC PIPE (C-150 WITH RR SERIES 8).
- 2.) USE SCHEDULE 40 (ASTM) FOR ALL GI PIPE AND GI FITTINGS.
- 3.) ALL METAL REINFORCEMENT MUST BE ON STANDARD WEIGHT.
- 4.) ALL BOLTS & NUTS SHALL BE STAINLESS WITH PLAIN WASHER (FULL THREAD).
- 5.) BUTTERFLY VALVE SHOULD BE WITH UNDERGROUND GEAR AND NUT (WAFER TYPE - KEYSTONE OR EQUIVALENT).
- 6.) GI FITTING MUST COMPLY WITH STANDARDS:
 - MATERIALS CONFORM TO ASTM A-128 CLASS-B
 - CEMENT MORTAR LINING CONFORMS TO AWWA C-104
 - COATING SHALL BE BITUMINOUS 1MM THICK
- 7.) ALWAYS REFER TO SCHEDULE OF PIPE FOR CONNECTION TYPE.
- 8.) USE HDPE PIPE SDR 9, ISO.
- 9.) ALL CRP FITTINGS MUST BE BRASS, COMPRESSION TYPE, (ISO).
- 10.) ALL UNITS ARE EXPRESSED IN METERS UNLESS OTHERWISE STATED IN A PLAN.
- 11.) CLEARANCE ON SPOOL PIECE MUST BE 0.15m (min.) - 0.35m (max.) REFER TO DETAILS.
- 12.) ALL STUB-OUT/STANDPIPE WILL BE TRANSFERRED TO THE NEW PIPELINE.
- 13.) OLD EXISTING PIPES WILL BE ABANDONED.
- 14.) ANY CHANGES ON PLANS DURING CONSTRUCTION MUST BE REFERRED TO MOWD REPRESENTATIVE

ABBREVIATION:

- uPVC - UNPLASTICIZED POLYVINYL CHLORIDE
- SAN. PVC - SANITARY POLYVINYL CHLORIDE
- HDPE - HIGH DENSITY POLYETHYLENE
- G.I. - GALVANIZED IRON
- C.I. - CAST IRON
- ASTM - AMERICAN STANDARDS FOR TESTING MATERIALS
- S.O. - STUB-OUT
- IG - INTERCONNECTION
- MH - MAN-HOLE
- P.C. - PIPE CROSSING
- F/F - FLANGED / FLANGED CONNECTION
- M/F - MECHANICAL / FLANGED CONNECTION
- TD - TRENCH DETAIL
- S-6 - SERIES B
- RR - RUBBER O-RING
- C-150 - CLASS 150
- PROP. - PROPOSED
- EXIST. - EXISTING
- SDR - STANDARD DIMENSION RATIO
- CRP - CORPORATION REPLACEMENT PIECE
- ISO - INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

TABLE OF CONTENTS:

- S-1 - GENERAL NOTES, ABBREVIATIONS & TABLE OF CONTENTS
- S-2 - LOCATION MAP, VICINITY MAP AND SITE DEVELOPMENT PLAN
- S-3 - LOCATION OF INTERCONNECTION AND MANHOLE
- S-4 - TYPICAL PIPE LAYING DETAILS
- S-5 - TYPICAL TRENCH DETAILS
- S-6 - STANDARD MANHOLE DETAILS
- S-7 - INTERCONNECTION DETAILS 1
- S-8 - INTERCONNECTION DETAILS 2
- S-9 - INTERCONNECTION DETAILS 3
- S-10 - INTERCONNECTION DETAILS 4
- S-11 - INTERCONNECTION DETAILS 5
- S-12 - INTERCONNECTION DETAILS 6
- S-13 - INTERCONNECTION DETAILS 7
- S-14 - INTERCONNECTION DETAILS 8
- S-15 - INTERCONNECTION DETAILS 9
- S-16 - INTERCONNECTION DETAILS 10
- S-17 - INTERCONNECTION DETAILS 11
- S-18 - LOCATION OF STUB-OUT - A
- S-19 - LOCATION OF STUB-OUT - B
- S-20 - EXISTING CONCESSIONAIRES - A
- S-21 - EXISTING CONCESSIONAIRES - B
- S-22 - EXISTING CONCESSIONAIRES - C
- S-23 - EXISTING CONCESSIONAIRES - D
- S-24 - EXISTING CONCESSIONAIRES - E
- S-25 - DETAILS OF STUB OUT - 1
- S-26 - DETAILS OF STUB OUT - 2
- S-27 - DETAILS OF STUB OUT - 3
- S-28 - DETAILS OF STUB OUT - 4
- S-29 - DETAILS OF STUB OUT - 5
- S-30 - DETAILS OF STUB OUT - 6
- S-31 - METER STAND SET UP (1 LAYERS)
- S-32 - METER STAND SET UP (2 LAYERS)
- S-33 - METER STAND SET UP (3 LAYERS)
- S-34 - METER STAND SET UP (4 LAYERS)
- S-35 - METER STAND SET UP (5 LAYERS)

 <p>METRO COTABATO WATER DISTRICT SOURCES OF WATER SUPPLY COTABATO CITY</p>	<p>PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION: ALONG BK PENGATUN EXTENSION (Corner Osmeña Avenue to Lumbay Street Section Barangay Poblacion Isuba, 1 & 4, Cotabato City</p>	<p>PREPARED BY:  HESES A. LUMBAY PROJECT ENGINEER</p> <p>CHECKED AND REVIEWED BY:  RAUL E. LUMBAY PROJECT SUPERVISOR</p>	<p>SUBMITTED BY:  MELINDA ELANIE V. BARREDO DCC-GENERAL MANAGER</p> <p>RECOMMENDING APPROVAL:  MELINDA ELANIE V. BARREDO DCC-GENERAL MANAGER</p>	<p>APPROVED BY:  RAUL E. LUMBAY CHAIRMAN BOARD OF DIRECTORS</p>	<p>SHEET CONTENTS: GENERAL NOTES ABBREVIATIONS TABLE OF CONTENTS</p>	<p>SHEET NO: 1</p> <p>OF 35</p>
---	--	--	--	---	---	---

PROJECT DESCRIPTION
 DESIGN: METRO COTABATO WATER DISTRICT
 DURATION: 180 DAYS
 DESCRIPTION OF THE AREA
 BARRANGAY: POBLACION MOTHER, POBLACION 2 AND POBLACION 4
 CITY: COTABATO CITY
 STRATEGY OF IMPLEMENTATION

THE IMPLEMENTATION OF THE MOVD PROJECT WILL BE BY ADMINISTRATION, BOTH PURCHASING OF MATERIALS AND CONSTRUCTION

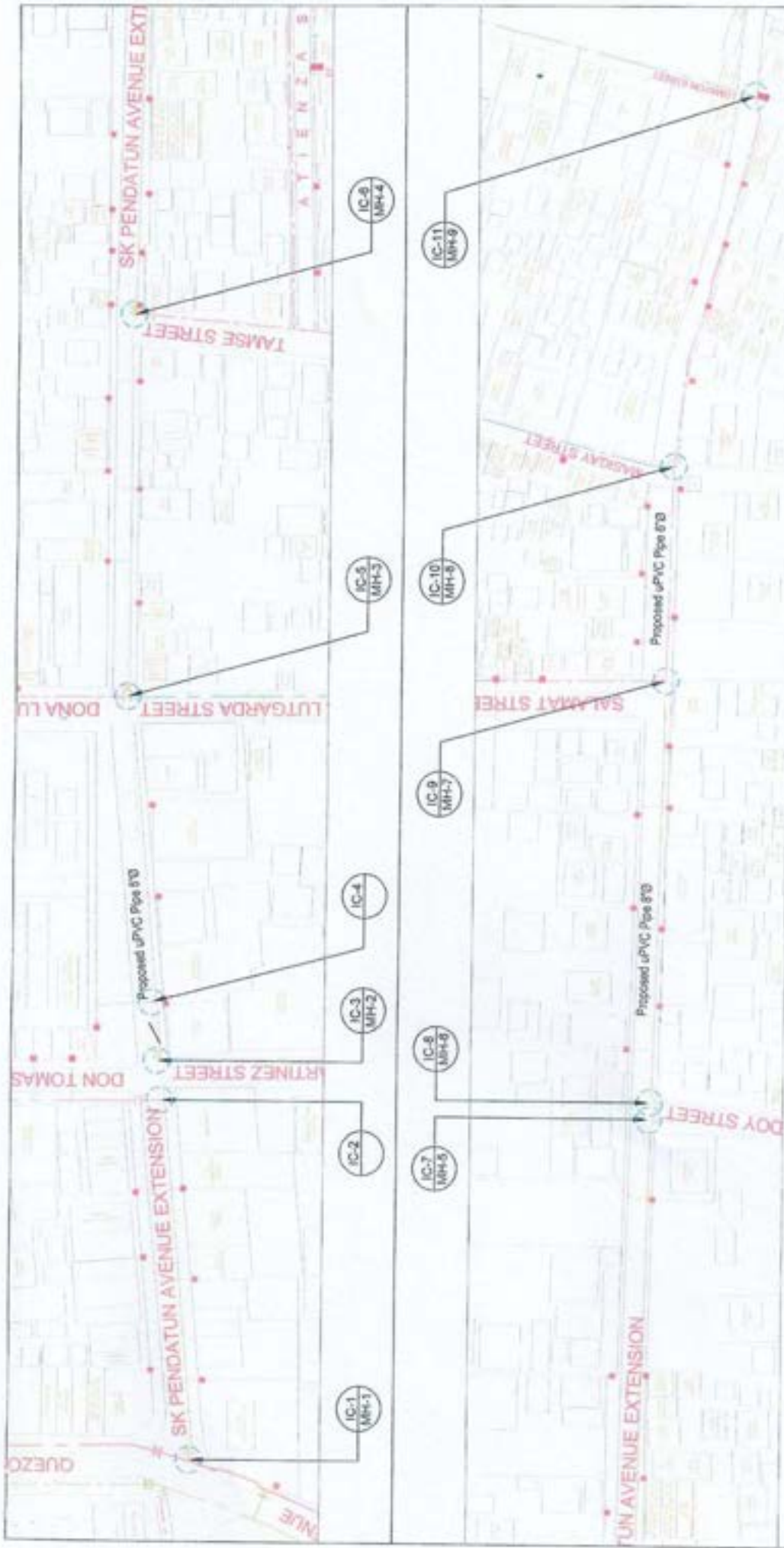
PURPOSE
 TO REPLACE FREQUENTLY LEAKING PIPELINE (OLD EXISTING DISTRIBUTION LINE) CATERING TO THE RESIDENTS OF SK PENDATUN EXT., BRGY. POB. MOTHER, 2 & 4, COTABATO CITY. IT IS DESIGNED TO SUPPLY ATLEAST 801 HOUSEHOLDS

APPURTENANCES
 (A) PIPELINE INSTALLATION
 - 4" PVC Pipe 8'0 (243m) and 6" PVC Pipe 6'0 (180m)
 (B) STAND-PIPES
 - 120 L.L. Standpipes (53 units)
 (C) INTER-CONNECTION
 - 11 UNITS



PROPOSED 225mm (8") Ø x 630m and 160mm (6") Ø x 190m uPVC PIPE PROJECT ALONG SK PENDATUN EXTENSION

SITE DEVELOPMENT PLAN						
PROJECT OF:	PROJECT TITLE:	PREPARED BY:	SUBMITTED BY:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.:
 METRO COTABATO WATER DISTRICT <small>COTABATO CITY</small>	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	 <small>ENGR. ...</small>	 <small>MA. MELINDA ELAINE Y. BARRERA OIC-GENERAL MANAGER</small>	 <small>CHIEF ENGINEER OF DISTRICTS</small>	LOCATION MAP VICINITY MAP SITE DEVELOPMENT PLAN	2
	PROJECT LOCATION: ALONG SK PENDATUN EXTENSION <small>(Corner Quason Avenue to Luzon Street Section) Barangay Poblacion Mother, 2 & 4, Cotabato City</small>	CHECKED AND REVIEWED BY:  <small>R. LUNA PROJECT ENGINEER</small>	RECOMMENDING APPROVAL: <small>MA. MELINDA ELAINE Y. BARRERA OIC-GENERAL MANAGER</small>			
					OF	35



LOCATION OF INTERCONNECTION AND MANHOLE

 METRO COTABATO WATER DISTRICT GOVERNOR OLIVERO AVILA COTABATO CITY	PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE) PROJECT LOCATION: ALONG SK PENDATUN AVENUE EXTENSION (Corner Quason Avenue to Lumpon Street Section) Barangay Pansipayan Section, 2 & 4, Cotabato City	PREPARED BY:  HAROLD A. LUMAN CHECKED AND REVIEWED BY:  EMILY MAE R. LUMA PROJECT ENGINEER	SUBMITTED BY:  CHARLY A. SISON PROJECT ENGINEER RECOMMENDING APPROVAL:  MA. FELISA ELAINE V. BALARICO OCCUPATIONAL MANAGER	APPROVED BY:  CHARLY A. SISON PROJECT ENGINEER	SHEET CONTENTS: LOCATION OF INTERCONNECTION AND MANHOLE	SHEET NO.: <div style="font-size: 2em; font-weight: bold; text-align: center;">3</div>
					OF 35	

PIPELAYING DETAILS FOR CONCRETE ROAD WITH CANAL ON SIDE:

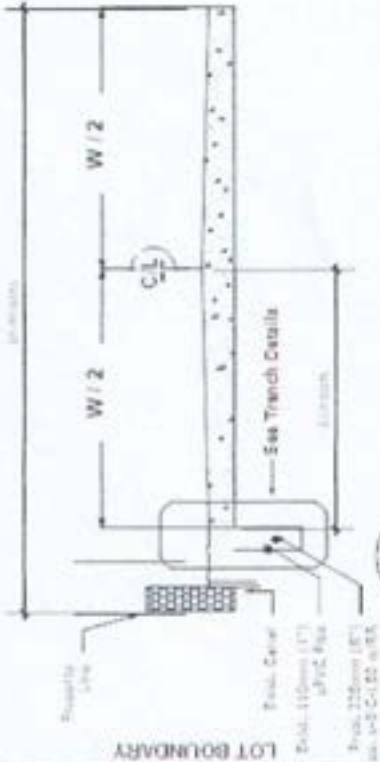


Along Sk Pendleton Ave. Extension
From Corner Quever Avenue to
Corner Anacacho Baby Street

- wall 18" wide and 4 1/2" concrete road with 3" 20' mini V-G.
- coping 6" wide base (height 1.25' max) wide



PL TYPICAL PIPE LAYING PLAN 1 N.T.S



PL CROSS SECTION PIPE LAYING PLAN 1a N.T.S

PIPELAYING DETAILS FOR A ROAD WITHOUT CANAL ON SIDE:



Along Sk Pendleton Ave. Extension
From Corner Anacacho Baby Street to
Corner Lumbar Street

- depth of concrete and wall finished road 40" deep on 4" base



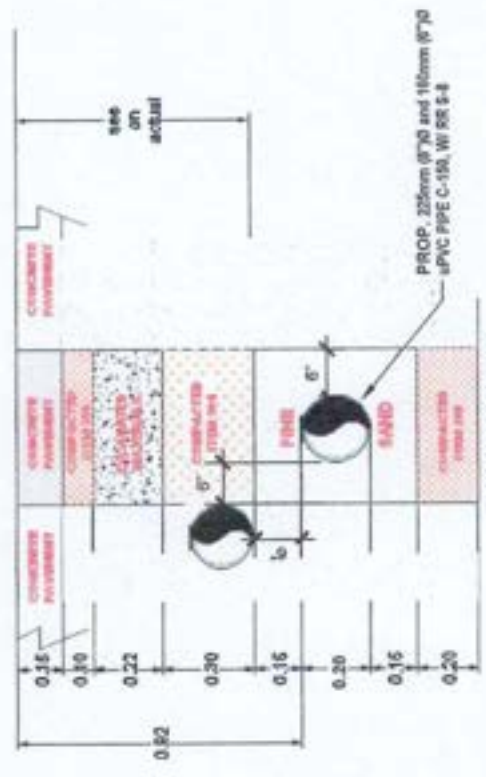
PL TYPICAL PIPE LAYING PLAN 2 N.T.S



PL CROSS SECTION PIPE LAYING PLAN 2a N.T.S

PROJECT OFF:	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" PVC PIPE)	PREPARED BY:	APPROVED BY:	SHEET CONTENT:	SHEET NO. OF
		PROJECT LOCATION:	CREATED & REVIEWED BY:	RECOMMENDED APPROVAL:	TYPICAL PIPE LAYING DETAILS	
METRO COTABATO WATER DISTRICT SOTENORQUE STREET, 4TH AVENUE COTABATO CITY	ALONG SK PENDLETON AVE. EXTENSION FROM CORNER ANACACHO BABY STREET TO CORNER LUMBAR STREET	APPROVED BY: [Signature] [Title]	APPROVED BY: [Signature] [Title]	APPROVED BY: [Signature] [Title]	4	38

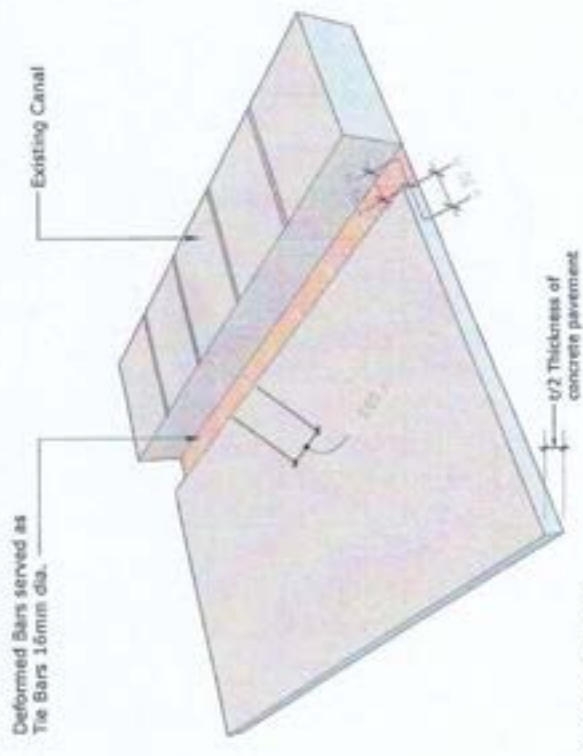
Property Line



- NOTE:**
1. ACTUAL FILL SHALL NOT BE LESS THAN THE THICKNESS INDICATED IN THE ABOVE DRAWING.
 2. VARIABLE - WORK IS BASED ON ACTUAL CONDITION & APPEARANCE OF THE PROJECT SITE.
 3. FOR SWAMPY AREA, COMPACTED ITEM 200 MUST BE FILLED BEFORE PIPELAYING.
 4. USE 0.525 ALONG CORNER QUIZON AVENUE TO SALAMAT STREET. USE 0.41 ALONG CORNER SALAMAT STREET TO LUMAYON STREET.

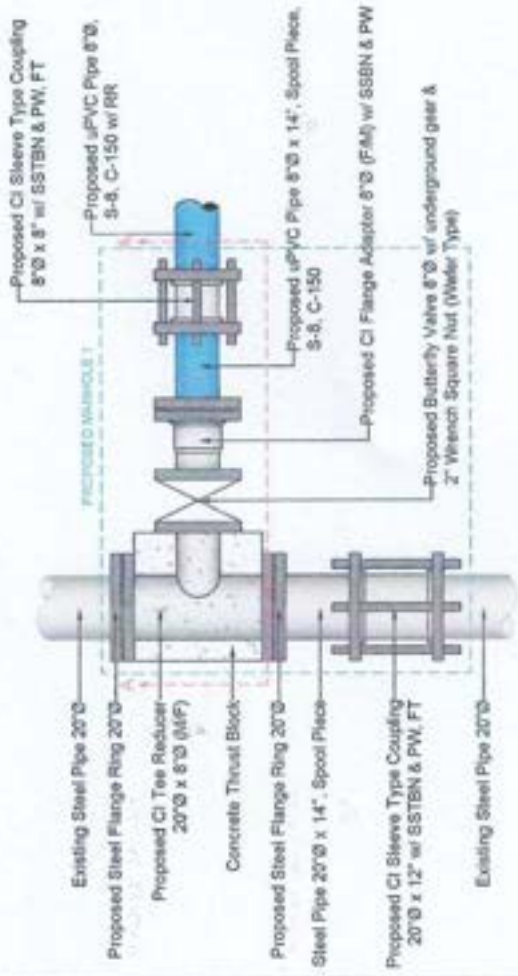
TD
1
NTOS
TYPICAL TRENCH DETAILS

PROJECT OF:	<p>METRO COTABATO WATER DISTRICT GOVERNOR GUTIERREZ AVENUE COTABATO CITY</p>	PROJECT TITLE:	<p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION: ALONG St. FELIX (D. TELUSOT) (Corner Quizon Avenue to Corner Lumayon Street) Sector: Barangay Malabon (Lot No. 2 & 4) Cotabato, CO.</p>	PREPARED BY:	<p>HASON G. SALAMAT PROJECT A</p>	SUBMITTED BY:	<p> DR. HASON G. SALAMAT NS COMM. NO. 00 / APPROVAL:</p>	APPROVED BY:	<p> MA. LOURDA ELANOR V. BARCAGO CC-GENERAL MANAGER</p>	SHEET CONTENT:	TYPICAL TRENCH DETAILS	SHEET NO:	5
		<p>CHECKED & REVIEWED BY:</p> <p> HASON G. SALAMAT PROJECT A</p>	<p>CHARACTERISTICS OF DETECTORS</p>	OF	38								

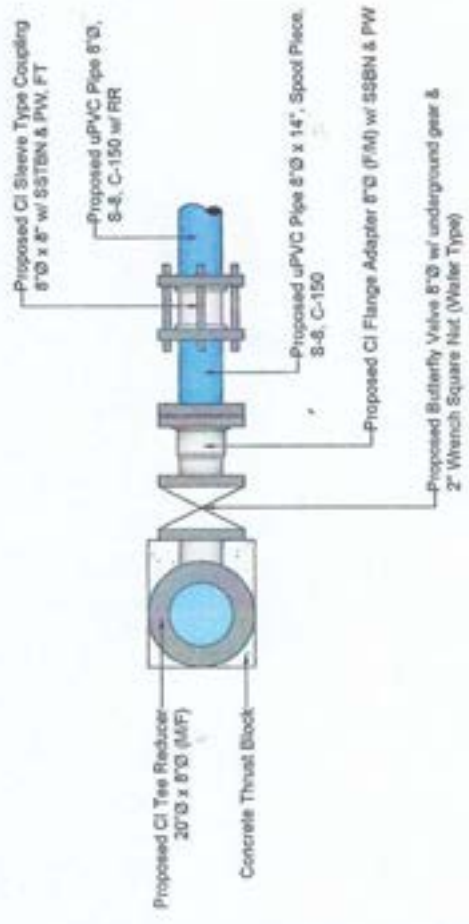


Per DPWH Standards for concrete pavement restoration

TB
1
NTOS
TIE BAR / ANCHOR BAR DETAIL

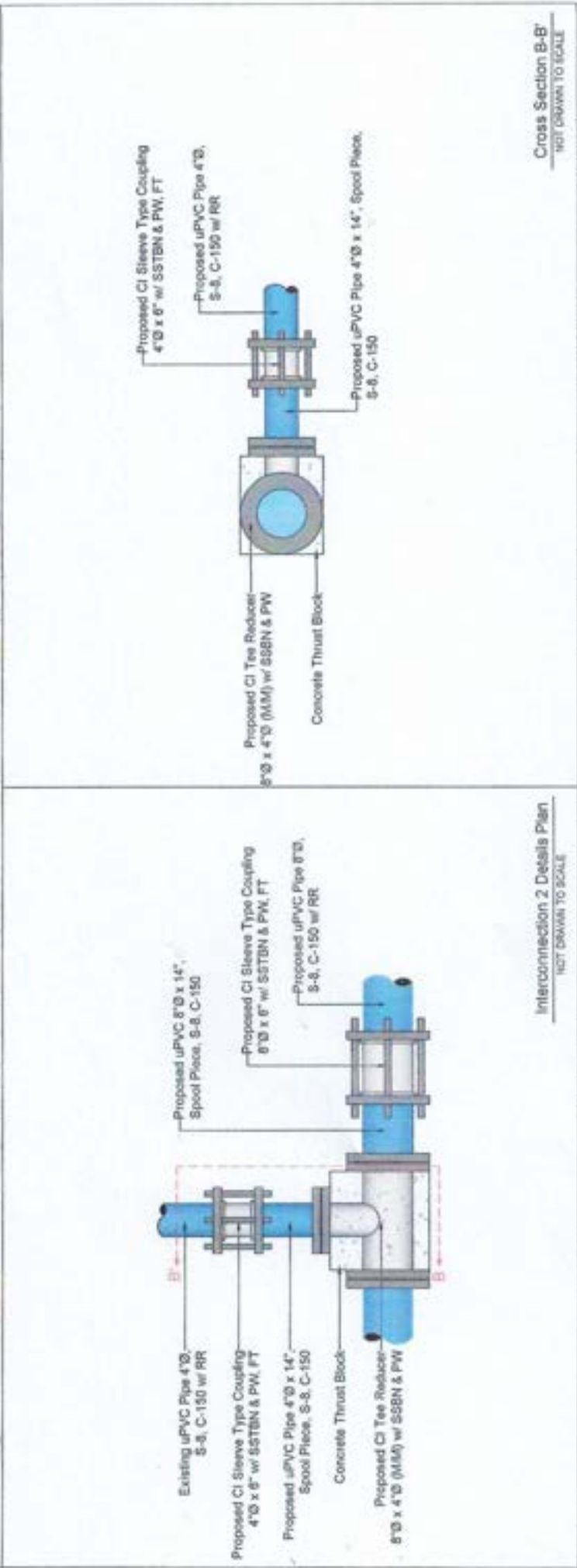


Interconnection 1 Details Plan
NOT DRAWN TO SCALE



Cross Section A-A
NOT DRAWN TO SCALE

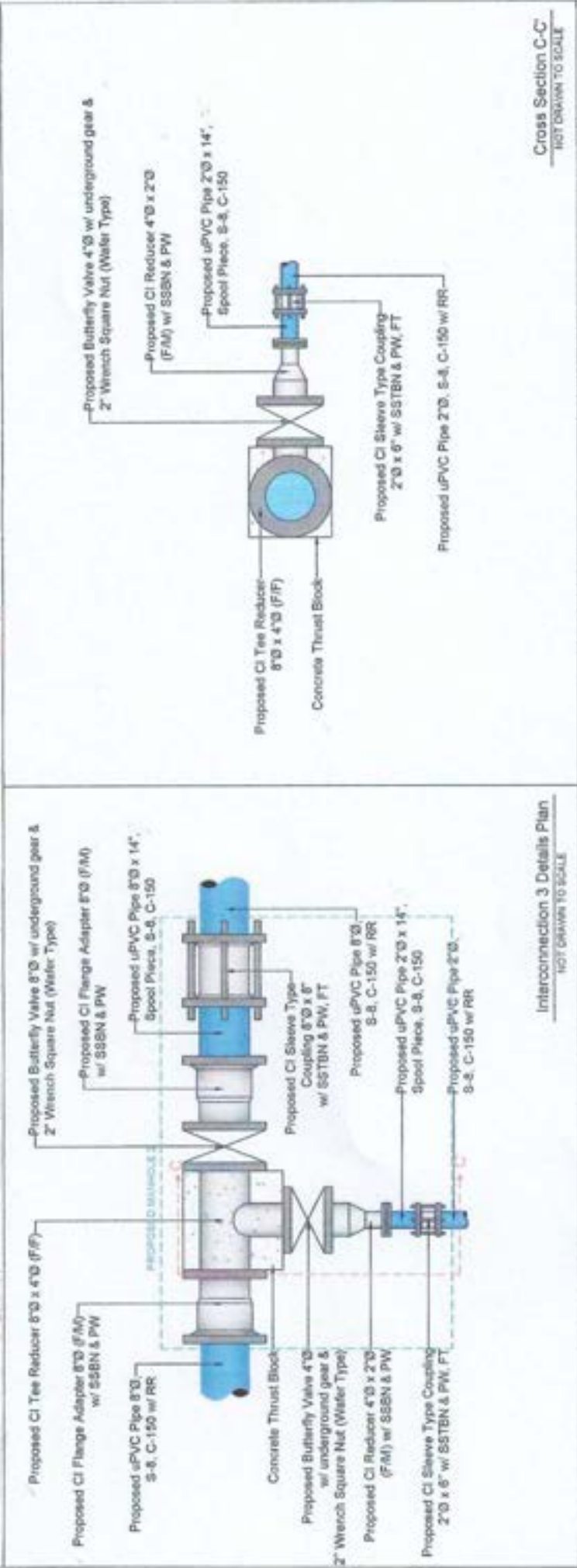
 <p>METRO COTABATO WATER DISTRICT GENERAL MANAGER'S OFFICE COTABATO CITY</p>	<p>PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION: ALONG BK PENGATUN EXTENSION (Corner Quibus Avenue to Lumbaya Street Sector) Barangay Probosahan Mother, 2 & 4, Cotabato City</p>	<p>PREPARED BY: MARCO JUMAIL PROJ. ENGR.</p> <p>CHECKED AND REVIEWED BY: DANIELA P. LIMBA PROFESSOR</p>	<p>SUBMITTED BY:  MARISSA SLAVIN Y. BARRIOS ENR. ENG. & DESIGNER</p> <p>RECOMMENDING APPROVAL:  MARISSA SLAVIN Y. BARRIOS ENR. GENERAL MANAGER</p>	<p>APPROVED BY:  DANIEL P. LIMBA PROFESSOR</p>	<p>SHEET CONTENTS: INTERCONNECTION 1</p>	<p>SHEET NO: 7</p> <p>OF 35</p>
--	---	---	--	--	---	---



Interconnection 2 Details Plan
NOT DRAWN TO SCALE

Cross Section B-B
NOT DRAWN TO SCALE

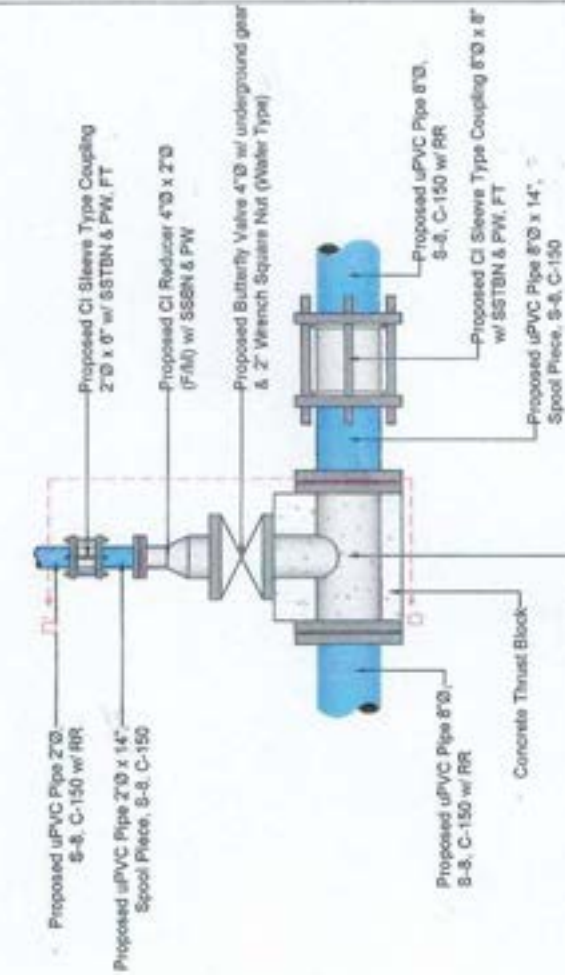
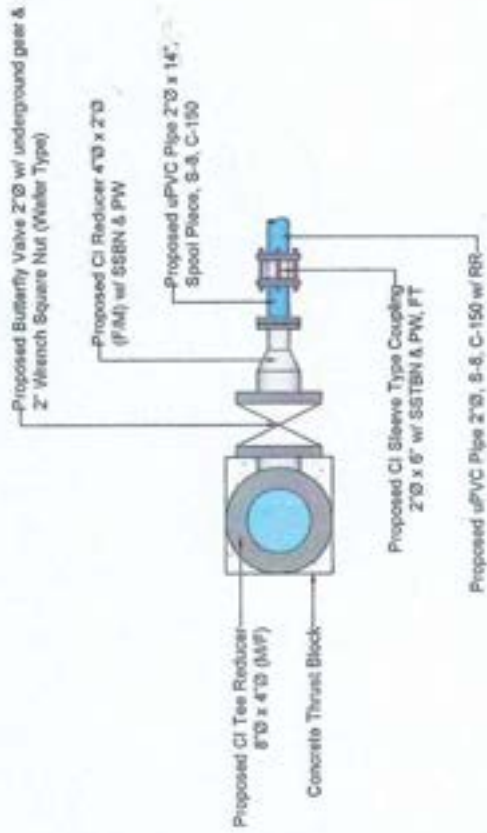
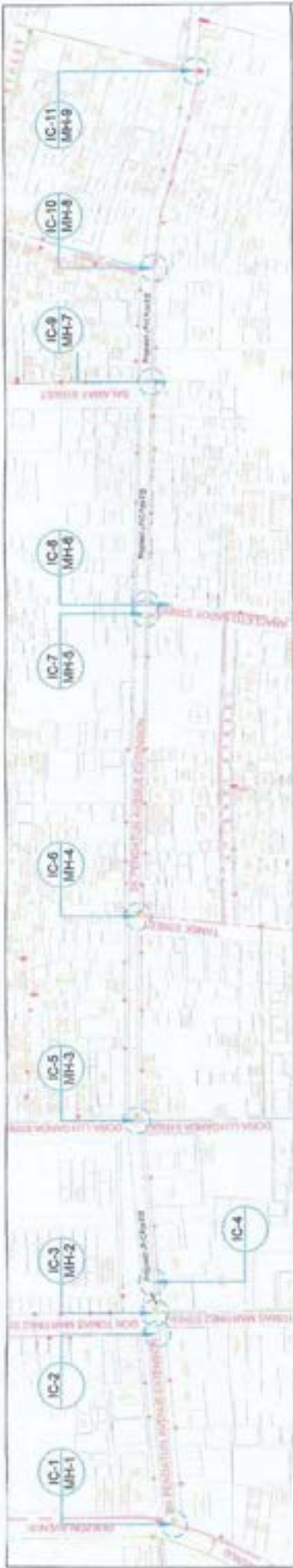
<p>PROJECT OF:</p>  <p>METRO COTARIATO WATER DISTRICT CORONADO, 1030022 AVENUE COTARIATO, COSTA RICA</p>	<p>PROJECT TITLE:</p> <p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION:</p> <p>ALONG SK PENDANTIN EXTENSION (Corner Custom Avenue to Lumban Street Block) Barangay Poblacion Mubla, 2 & 4, Cotabato City</p>	<p>PREPARED BY:</p>  <p>R. LUMBA MCA-1</p> <p>CHECKED AND REVIEWED BY:</p>  <p>R. LUMBA MCA-1</p>	<p>SUBMITTED BY:</p>  <p>R. LUMBA MCA-1</p> <p>RECOMMENDING APPROVAL:</p>  <p>M. LUMBA GENERAL MANAGER</p>	<p>APPROVED BY:</p>  <p>M. LUMBA CHAIRMAN BOARD DIRECTORS</p>	<p>SHEET CONTENTS:</p> <p>INTERCONNECTION 2</p>	<p>SHEET NO:</p> <p>8</p> <p>OF</p> <p>35</p>
---	---	---	--	---	---	---



Cross Section C-C
NOT DRAWN TO SCALE

Interconnection 3 Details Plan
NOT DRAWN TO SCALE

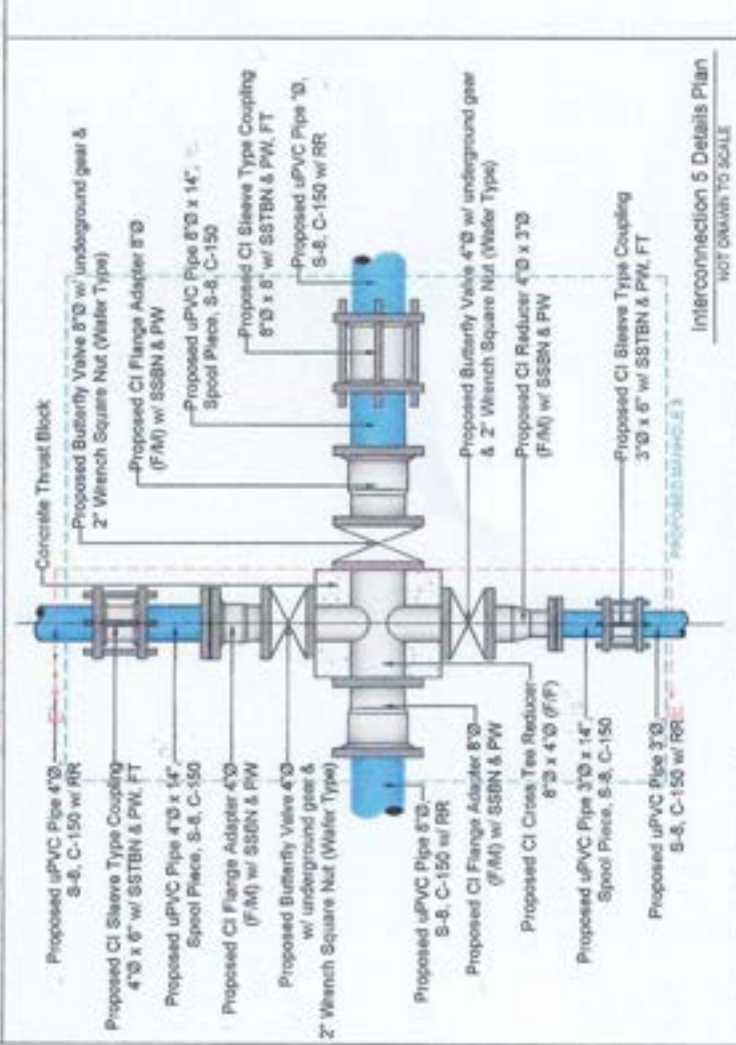
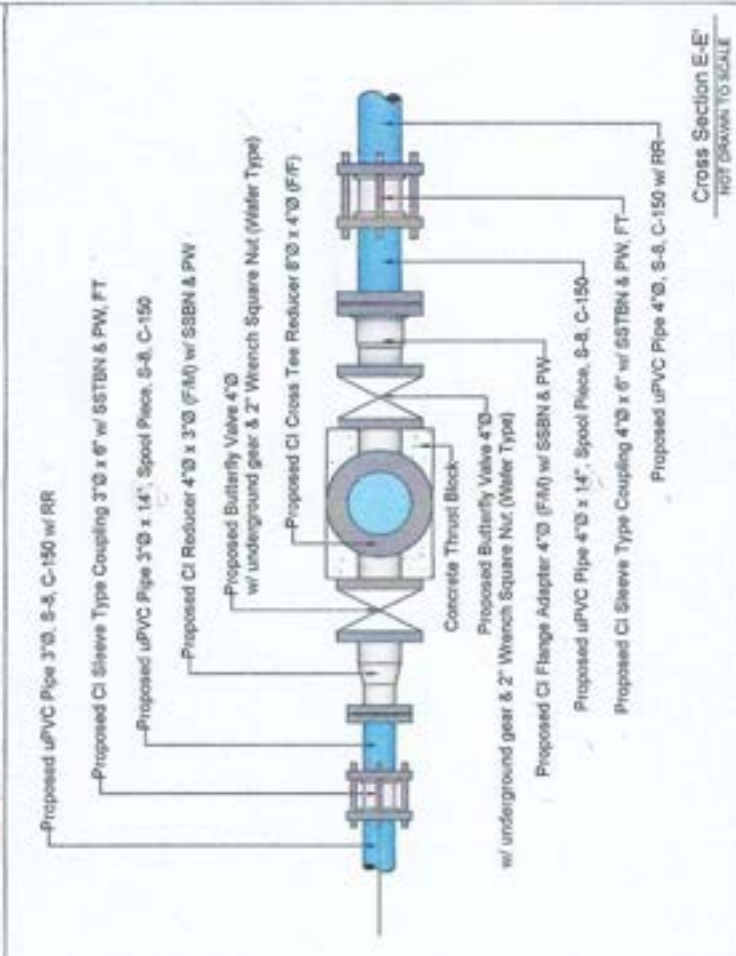
<p>PROJECT OF:</p>  <p>METSO GOTAMOTO WATER DISTRICT 2008 W. 10TH STREET GOTAMOTO, CO 80113</p>	<p>PROJECT TITLE:</p> <p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION: ALONG BK PENGANTUN EXTENSION (Corner Queen Avenue to Lumayon Street Section) Saranggani-Pulungan Mother, 2 & 4, Cotabato City</p>	<p>PREPARED BY:</p>  <p>R. A. S. S. S. S. S. S.</p> <p>CHECKED AND REVIEWED BY:</p>  <p>R. A. S. S. S. S. S. S.</p>	<p>SUBMITTED BY:</p>  <p>R. A. S. S. S. S. S. S.</p> <p>RECOMMENDING APPROVAL:</p>  <p>R. A. S. S. S. S. S. S.</p>	<p>APPROVED BY:</p>  <p>R. A. S. S. S. S. S. S.</p> <p>CHEMIST BOARD OF DIRECTORS</p>	<p>SHEET CONTENTS:</p> <p>INTERCONNECTION 3</p>	<p>SHEET NO:</p> <p>9</p> <p>OF 35</p>
--	--	---	--	--	--	---



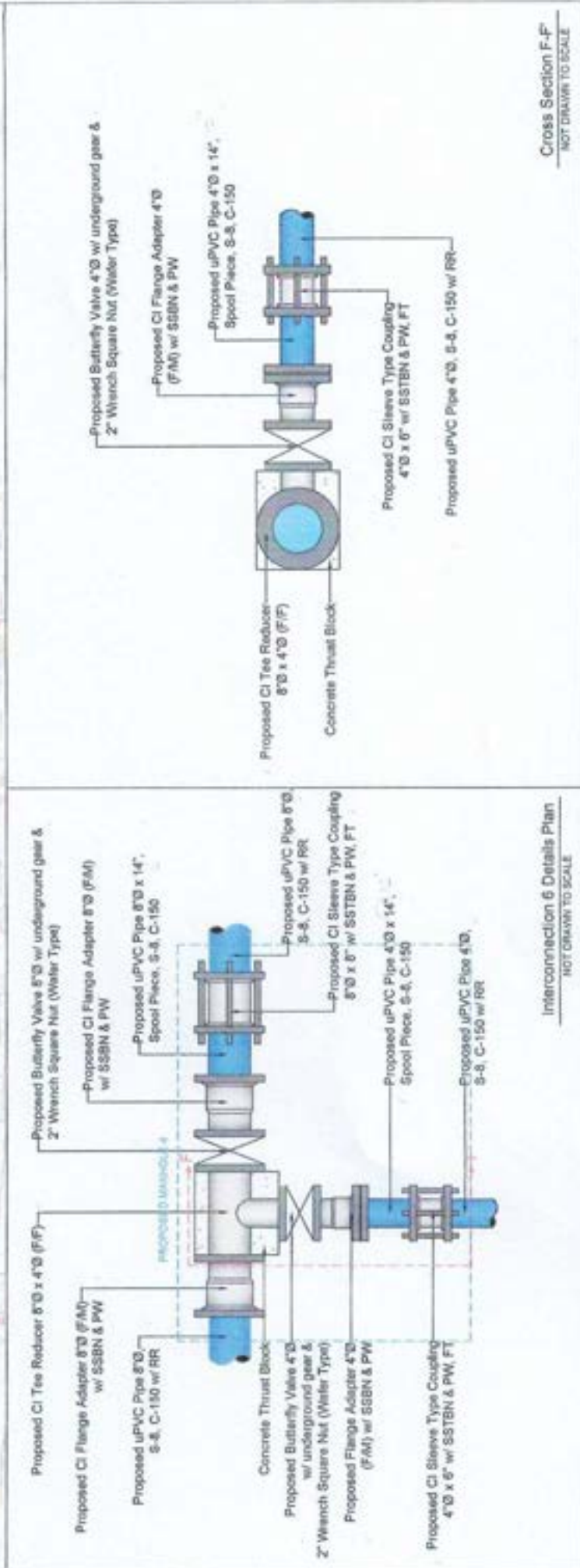
Cross Section D-D
NOT DRAWN TO SCALE

Interconnection 4 Details Plan
NOT DRAWN TO SCALE

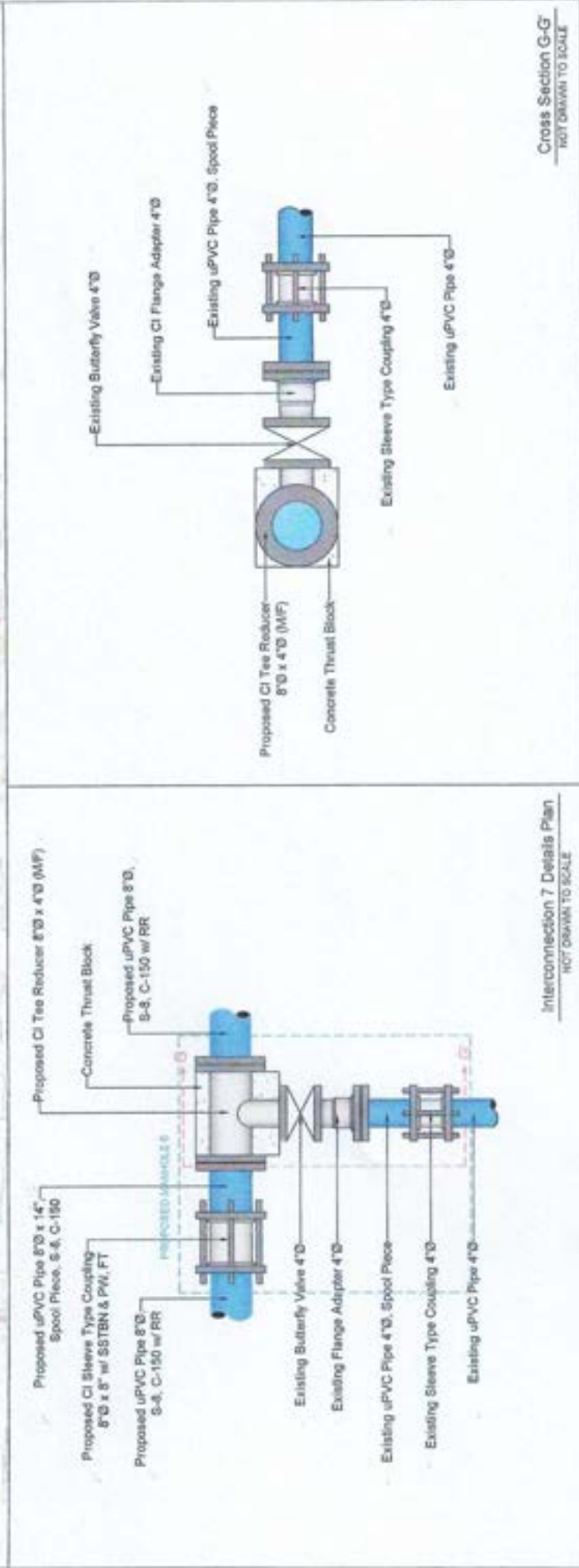
 <p>METRO COTABATO WATER DISTRICT GENERAL ADMINISTRATIVE SERVICES COTABATO CITY</p>	<p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION: ALONG SK PENANTUN EXTENSION (Corner Quason Avenue to Lumanog Street Section) Barangay Poblacion 1st, 2 & 4, Cotabato City</p>	<p>PREPARED BY:  HASEL MARQUE P.E., R.A.</p> <p>CHECKED AND REVIEWED BY:  SANDY JESSE P. LIMBA PROFESSIONAL ENGINEER</p>	<p>SUBMITTED BY:  M. ELIO S. MUNGANA P.E., R.A.</p> <p>RECOMMENDING APPROVAL:  MA. MELISA LAINE V. BARBOSA DC-GENERAL MANAGER</p>	<p>APPROVED BY:  M. ELIO S. MUNGANA CHARACTER OF SECTIONS</p>	<p>SHEET CONTENTS: INTERCONNECTION 4</p>	<p>SHEET NO: 10</p> <p>OF 35</p>
---	---	--	---	---	--	---



<p>PROJECT OF:</p>  <p>METRO COTABATO WATER DISTRICT GOVERNOR SUBSIDIARY AGENCY COTABATO CITY</p>	<p>PROJECT TITLE:</p> <p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p>	<p>PROJECT LOCATION:</p> <p>ALONG BK PENGANTUN EXTENSION (Corner Guezon Avenue to Lumayan Street Section) Barangay Patahan Muthar, 3 & 4, Cotabato City</p>	<p>PREPARED BY:</p> <p><i>[Signature]</i> MARCO ANTONIO CIVIL ENGINEER</p>	<p>CHECKED AND REVIEWED BY:</p> <p><i>[Signature]</i> MARCO ANTONIO CIVIL ENGINEER</p>	<p>RECOMMENDING APPROVAL:</p> <p><i>[Signature]</i> MARCO ANTONIO CIVIL ENGINEER</p>	<p>APPROVED BY:</p> <p><i>[Signature]</i> MARCO ANTONIO CIVIL ENGINEER</p>	<p>SHEET NO:</p> <p>11</p>	<p>SHEET CONTENTS:</p> <p>INTERCONNECTION 5</p>	<p>Cross Section E-E NOT DRAWN TO SCALE</p>	<p>OF</p>	<p>35</p>
--	---	---	--	--	--	--	-----------------------------------	--	---	-----------	-----------



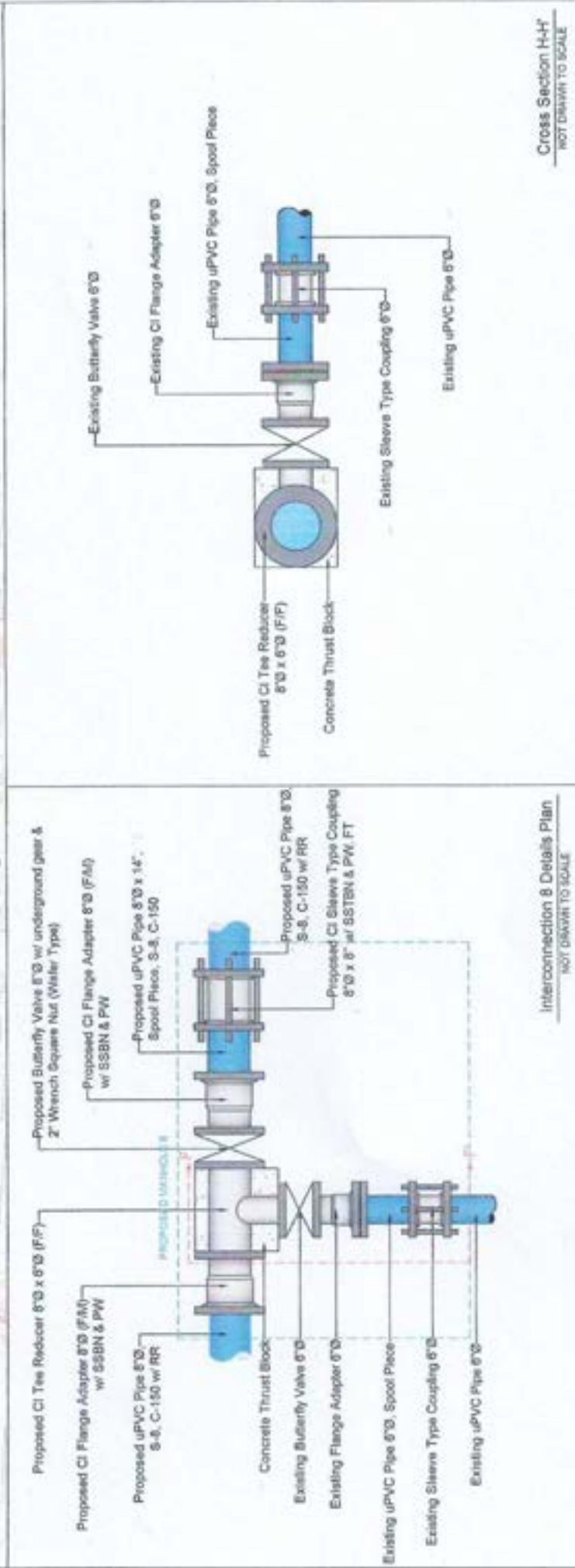
	PROJECT OF:	PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	PROJECT LOCATION: ALONG BK PENGANTUN EXTENSION (Corner Quezon Avenue to Lumayon Street Section) Barangay Poblacion Mother, 2 & 4, Cotabato City	CHECKED AND REVIEWED BY:  ENGR. JAMES P. LAMBA PROJECT ENGINEER	RECOMMENDING APPROVAL:  MS. MELINDA ELAINE V. BARABAO DISTRICT MANAGER	APPROVED BY:  CIVIL ENGINEER OF SECTIONS	SHEET NO.:
Cross Section F-F NOT DRAWN TO SCALE		Interconnection 6 Details Plan NOT DRAWN TO SCALE		SHEET CONTENTS:		SHEET NO.:	
		INTERCONNECTION 6		12		OF	
METRO COTABATO WATER DISTRICT GOVERNOR DAVID S. LAUREN COTABATO CITY		12		OF		35	



Cross Section G-G
NOT DRAWN TO SCALE

Interconnection 7 Details Plan
NOT DRAWN TO SCALE

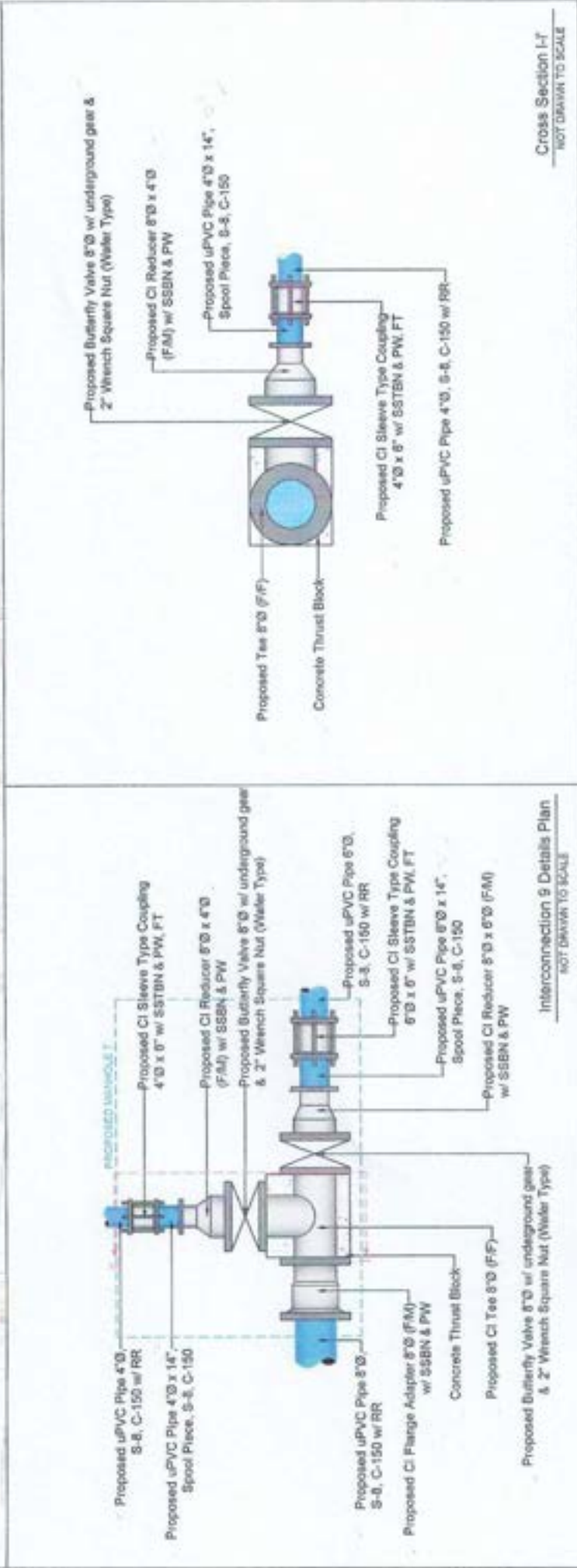
PROJECT OF:	 <p>METRO COTABATO WATER DISTRICT GOVERNOR C. BERNIZ AVILA COTABATO CITY</p>	PROJECT TITLE:	<p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p>	PREPARED BY:	 <p>M. S. P. LUMA PROJECT ENGINEER</p>	PROJECT LOCATION:	<p>ALONG SK PENGANTUN EXTENSION (Corner Queen Avenue to Lungsod Street Section) Saranggaya Population Mover, 1 & 4, Cebuosa City</p>
SHEET NO.:	13	SHEET CONTENTS:	INTERCONNECTION 7	APPROVED BY:	 <p>M. S. P. LUMA OVERSIGHT BOARD OF DIRECTORS</p>	SUBMITTED BY:	 <p>M. S. P. LUMA OC-GENERAL MANAGER</p>
RECOMMENDING APPROVAL:		RECOMMENDING APPROVAL:		CHECKED AND REVIEWED BY:		RECOMMENDING APPROVAL:	
OF	35						



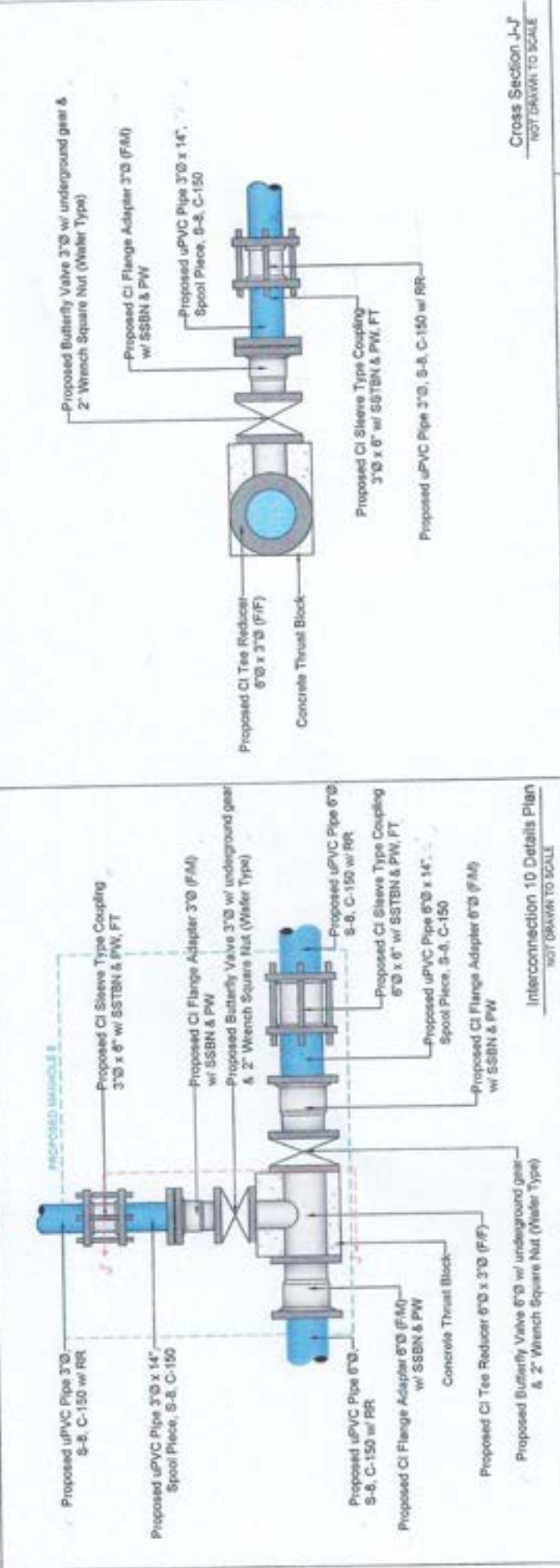
PROJECT OF:	PROJECT TITLE:	PREPARED BY:	SUBMITTED BY:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.:
 METRO COTABATO WATER DISTRICT <small>COLEGIAL AVENUE COTABATO CITY</small>	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE) PROJECT LOCATION: ALONG BK PONDATIN EXTENSION (Corner Quason Avenue to Lunsyon Street Section) Barangay Poblacion Mather, 2 & 4, Cotabato City	 MARISSA L. LOMA <small>PROJ. ENGR.</small>	 <small>PROJ. ENGR. & SUPERVISOR</small>	 <small>CHIEF ENGINEER</small>	INTERCONNECTION 8	14
METRO COTABATO WATER DISTRICT <small>COLEGIAL AVENUE COTABATO CITY</small>						OF 35

Cross Section H-H
NOT DRAWN TO SCALE

Interconnection 8 Details Plan
NOT DRAWN TO SCALE

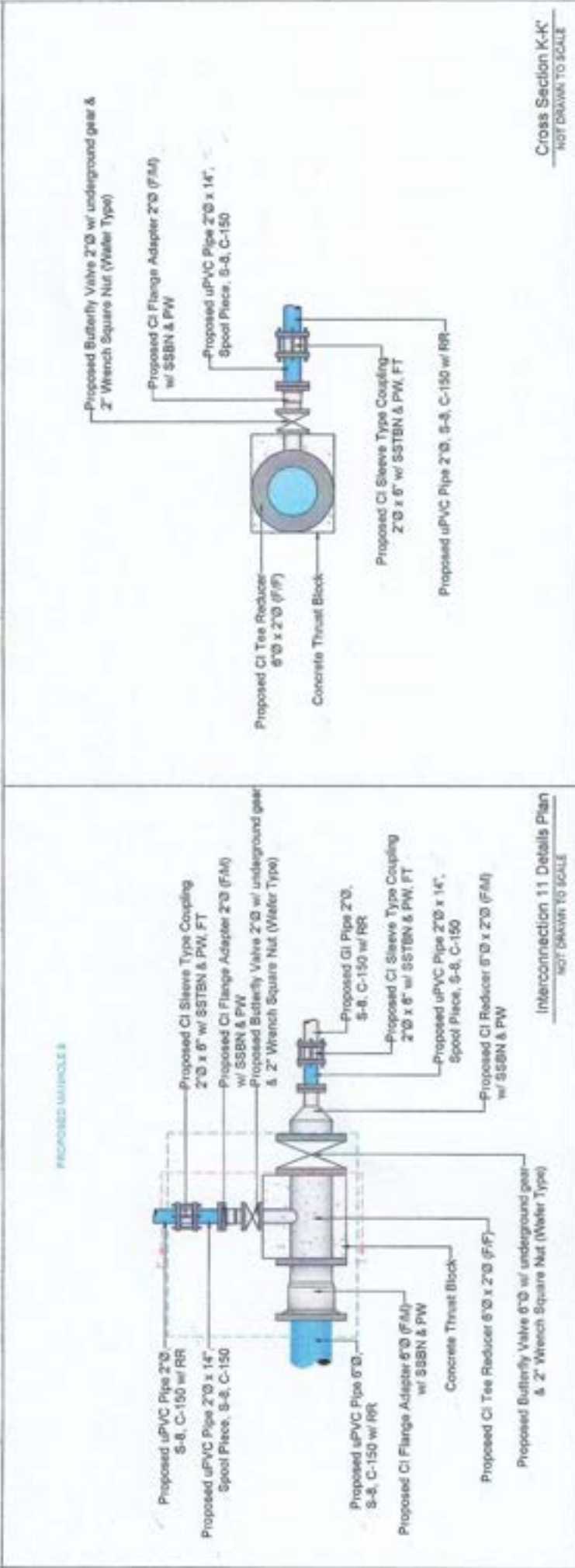


PROJECT OF:	 METRO COTAGATO WATER DISTRICT GOVERNOR LUMAYON AVENUE COTABATO CITY	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	PREPARED BY:	 MAREK S. SAMAH	SUBMITTED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	SHEET NO.:	15
PROJECT OF:	METRO COTAGATO WATER DISTRICT GOVERNOR LUMAYON AVENUE COTABATO CITY	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	CHECKED AND REVIEWED BY:	 SAMANTHA B. LUMBA PROJECT ENGINEER	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET CONTENTS:	INTERCONNECTION 9
APPROVED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	SUBMITTED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET NO.:	15
PROJECT OF:	METRO COTAGATO WATER DISTRICT GOVERNOR LUMAYON AVENUE COTABATO CITY	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	CHECKED AND REVIEWED BY:	 SAMANTHA B. LUMBA PROJECT ENGINEER	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET NO.:	15
APPROVED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	SUBMITTED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET NO.:	15
PROJECT OF:	METRO COTAGATO WATER DISTRICT GOVERNOR LUMAYON AVENUE COTABATO CITY	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	CHECKED AND REVIEWED BY:	 SAMANTHA B. LUMBA PROJECT ENGINEER	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET NO.:	15
APPROVED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	SUBMITTED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET NO.:	15
PROJECT OF:	METRO COTAGATO WATER DISTRICT GOVERNOR LUMAYON AVENUE COTABATO CITY	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	CHECKED AND REVIEWED BY:	 SAMANTHA B. LUMBA PROJECT ENGINEER	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET NO.:	15
APPROVED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	SUBMITTED BY:	 MAREK S. SAMAH CIVIL ENGINEER & QUALITY ASSURANCE	RECOMMENDING APPROVAL:	 MA MELISSA ELAINE V. BARRON DISTRICT MANAGER	SHEET NO.:	15



Cross Section J-J
NOT DRAWN TO SCALE

PROJECT OF:	 <p>METRO COTABATO WATER DISTRICT GOVERNOR SUBICOMBIZ AVENUE COTABATO CITY</p>	PROJECT TITLE:	<p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" UPVC PIPE)</p>	PREPARED BY:	<p>HAROLD GERRAH PE, AIA</p>	SUBMITTED BY:	<p>MA. MELINDA BLAISE V. BARONDO REGISTERED ENGINEER</p>
SHEET NO.:	16	SHEET CONTENTS:	INTERCONNECTION 10	APPROVED BY:	 <p>MA. MELINDA BLAISE V. BARONDO REGISTERED ENGINEER</p>	RECOMMENDING APPROVAL:	 <p>MA. MELINDA BLAISE V. BARONDO REGISTERED ENGINEER</p>
PROJECT LOCATION:	ALONG SK PENKATUN EXTENSION (Corner Gueison Avenue to Lunayon Street Sector) Barangay Poblacion Mother, 2 & 4, Cotabato City	CHECKED AND REVIEWED BY:		RECOMMENDING APPROVAL:		APPROVED BY:	
PROJECT NO.:	16	SHEET NO.:	16	SHEET CONTENTS:	INTERCONNECTION 10	SHEET NO.:	16
PROJECT OF:	MWD	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" UPVC PIPE)	PREPARED BY:	HAROLD GERRAH PE, AIA	SUBMITTED BY:	MA. MELINDA BLAISE V. BARONDO REGISTERED ENGINEER
PROJECT LOCATION:	ALONG SK PENKATUN EXTENSION (Corner Gueison Avenue to Lunayon Street Sector) Barangay Poblacion Mother, 2 & 4, Cotabato City	CHECKED AND REVIEWED BY:	HAROLD GERRAH PE, AIA	RECOMMENDING APPROVAL:	MA. MELINDA BLAISE V. BARONDO REGISTERED ENGINEER	APPROVED BY:	MA. MELINDA BLAISE V. BARONDO REGISTERED ENGINEER
SHEET NO.:	16	SHEET CONTENTS:	INTERCONNECTION 10	APPROVED BY:	MA. MELINDA BLAISE V. BARONDO REGISTERED ENGINEER	SHEET NO.:	16
PROJECT NO.:	16	SHEET NO.:	16	SHEET CONTENTS:	INTERCONNECTION 10	SHEET NO.:	16



Cross Section K-K
NOT DRAWN TO SCALE

<p>PROJECT OF:</p>  <p>METRO COTABATO WATER DISTRICT 305 BARRIO GOLF LINKS AVENUE COTABATO CITY</p>	<p>PROJECT TITLE:</p> <p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION:</p> <p>ALONG SR PENGALUN EXTENSION (Corner Quezon Avenue to Lunaysan Street Section) Barangay Population Mother, 3 & 4, Cotabato City</p>	<p>PREPARED BY:</p>  <p>HANCOY ARAM REGISTERED CIVIL ENGINEER</p> <p>CHECKED AND REVIEWED BY:</p>  <p>BASILIO S. S. LAMA REGISTERED CIVIL ENGINEER</p>	<p>SUBMITTED BY:</p>  <p>MA. MELINDA SUAREZ REGISTERED CIVIL ENGINEER</p> <p>RECOMMENDING APPROVAL:</p>  <p>MA. MELINDA SUAREZ REGISTERED CIVIL ENGINEER</p>	<p>APPROVED BY:</p>  <p>MA. MELINDA SUAREZ REGISTERED CIVIL ENGINEER</p>	<p>SHEET CONTENTS:</p> <p>INTERCONNECTION 11</p>	<p>SHEET NO.</p> <p>17</p> <p>OF 35</p>
--	--	--	--	---	---	--

LEGEND:

- Proposed 225mm(8") Ø, uPVC PIPE
- Proposed 150mm(6") Ø, uPVC PIPE
- Proposed 63mm(2") Ø, PVC SANITARY
- Proposed 32mm(1") Ø, uPVC PIPE
- Existing 500mm(20") Ø, STEEL PIPE
- Existing 110mm(4") Ø, PVC PIPE
- Existing 60mm(2") Ø, uPVC PIPE

- Existing 63mm(2") Ø, uPVC PIPE
- Exist. 500mm (20") Ø, Butterfly Valve
- Proposed 150mm(6") Ø, Butterfly Valve
- Proposed 200mm(8") Ø, Butterfly Valve
- Proposed 100mm(4") Ø, Butterfly Valve
- Proposed 75mm(3") Ø, Butterfly Valve

- Proposed 50mm(2") Ø, Butterfly Valve
 - Prop. 25mm(1") Ø, GI Pipe Stub out
- NOTE:**
All Saddle Clamp, CRP and HDPE are 1" Ø.
SO - Stub Out



<p>PROJECT OF:</p>  <p>MTSO COTABATO WATER DISTRICT GOVERNOR O. TORRES AVILA COTABATO CITY</p>	<p>PROJECT TITLE</p> <p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION</p> <p>ALONG SK PENDATUN EXTENSION (Corner Quezon Avenue to Lunigon Street Section) Barangay Poblacion Mother, 2 & 4 Cordside City</p>	<p>PREPARED BY:</p>  <p>HARBIN USMAN C.E.A. - A</p> <p>CHECKED & REVIEWED BY:</p>  <p>RANDY TORRES P. LIMBA PROJECT ENGINEER C</p>	<p>SUBMITTED BY:</p>  <p>MELINDA ELAINE V. BARCIMO CIC-GENERAL MANAGER</p> <p>RECOMMENDATIONS APPROVAL</p>	<p>APPROVED BY:</p>  <p>EUSEBIO A. SESUAL JR. CHAIRMAN BOARD OF DIRECTORS</p>	<p>SHEET CONTENTS</p> <p>LOCATIONS OF STUB OUT - A</p>	<p>SHEET NO.</p> <p>18</p> <p>OF 38</p>
--	---	--	--	--	--	--

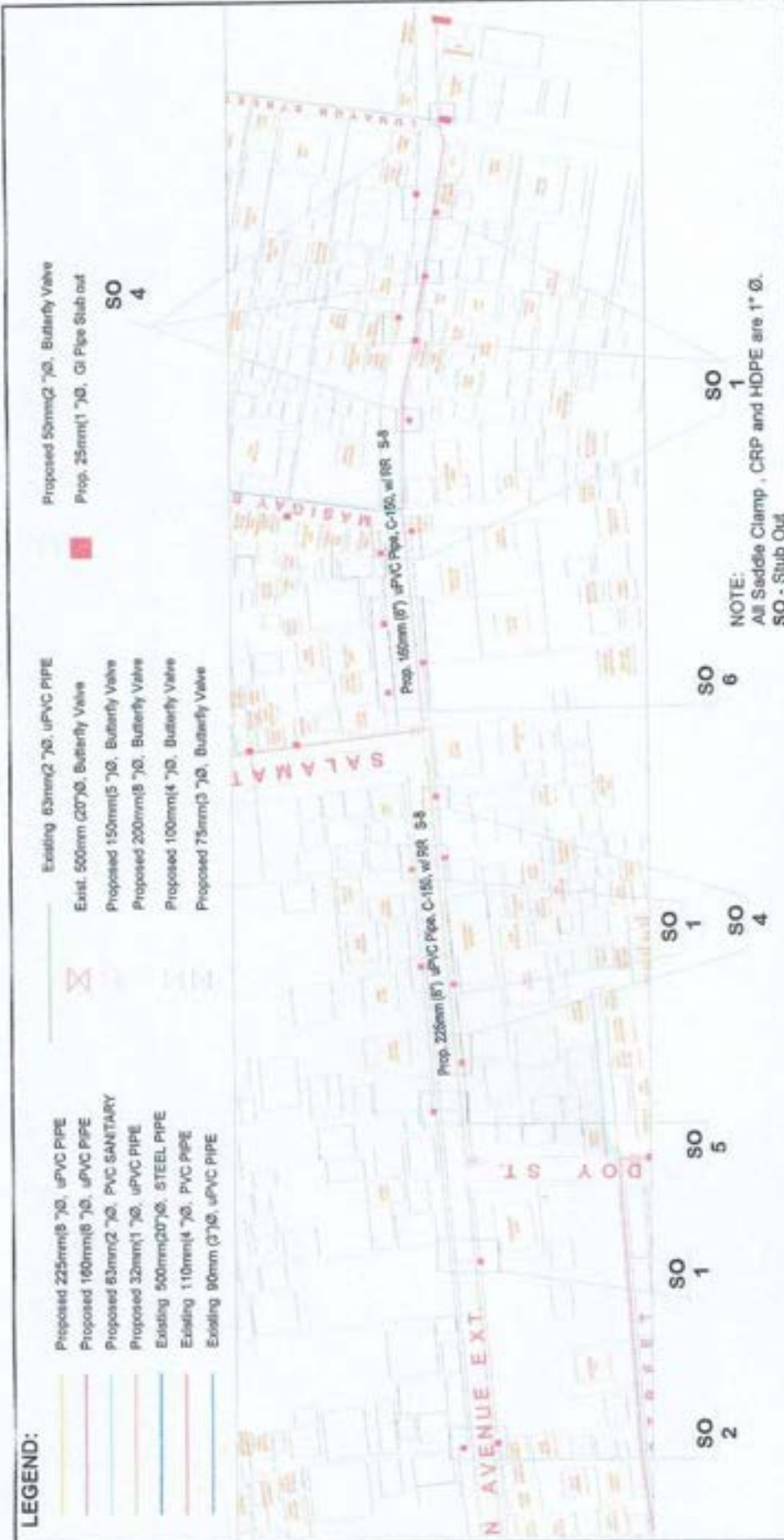
LEGEND:

- Proposed 225mm(9") Ø, uPVC PIPE
- Proposed 160mm(6") Ø, uPVC PIPE
- Proposed 83mm(3") Ø, PVC SANITARY
- Proposed 32mm(1") Ø, uPVC PIPE
- Existing 500mm(20") Ø, STEEL PIPE
- Existing 110mm(4") Ø, PVC PIPE
- Existing 96mm(3") Ø, uPVC PIPE

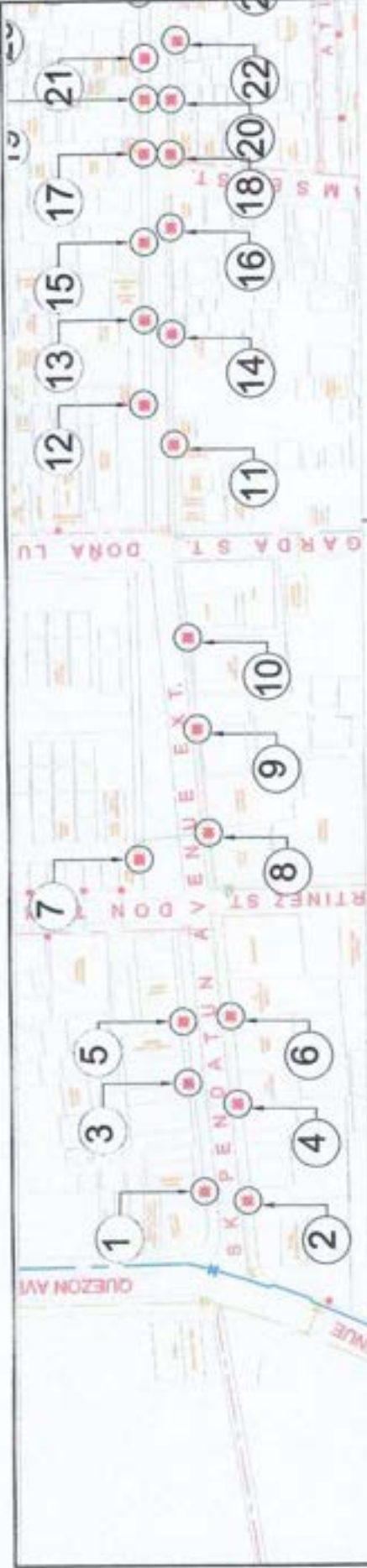
- Existing 63mm(2") Ø, uPVC PIPE
- Exist. 500mm (20") Ø, Butterfly Valve
- Proposed 150mm(6") Ø, Butterfly Valve
- Proposed 200mm(8") Ø, Butterfly Valve
- Proposed 100mm(4") Ø, Butterfly Valve
- Proposed 75mm(3") Ø, Butterfly Valve

- Proposed 50mm(2") Ø, Butterfly Valve
- Prop. 25mm(1") Ø, GI Pipe Stub out

SO 4

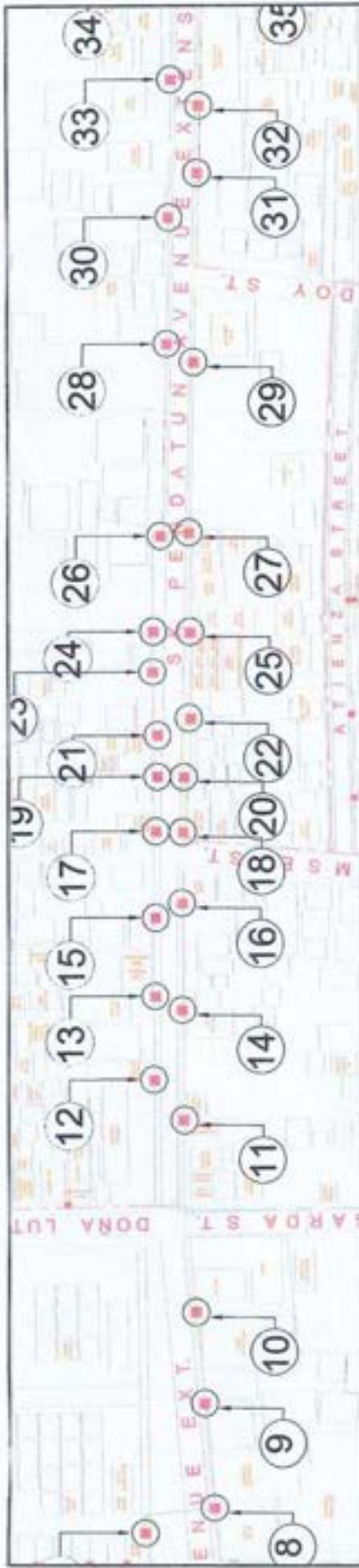


<p>PROJECT OF</p>  <p>METRO COTABATO WATER DISTRICT CONTRIBUTOR-ENGINEER ARCHITECT COTABATO CITY</p>	<p>PROJECT TITLE</p> <p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION</p> <p>ALONG SA PENIDATUN EXTENSION (Corner Quison Avenue to Lumiyon Street Section) Barangay Protection Station, 2 & 4 Cotabato City</p>	<p>PREPARED BY:</p> <p>MARCO L. USMAN ENGINEER, P.E.</p> <p>CHECKED & REVIEWED BY:</p> <p>RANDY M. JES P. LIMBA PRINCIPAL ENGINEER - C</p>	<p>SUBMITTED BY:</p> <p>DAI RICO L. MARTINEZ DAI RICO L. MARTINEZ</p> <p>RECOMMENDING APPROVAL:</p> <p>MA. LINDA ELAINE V. BASCIMO CIC-GENERAL MANAGER</p>	<p>APPROVED BY:</p> <p><i>[Signature]</i> JULIO A. SANGAT CHAIRMAN, BOARD OF DIRECTORS</p>	<p>SHEET CONTENTS</p> <p>LOCATIONS OF STUB OUT - B</p>	<p>SHEET NO.</p> <p>19</p> <p>OF 35</p>
---	--	--	--	--	--	--



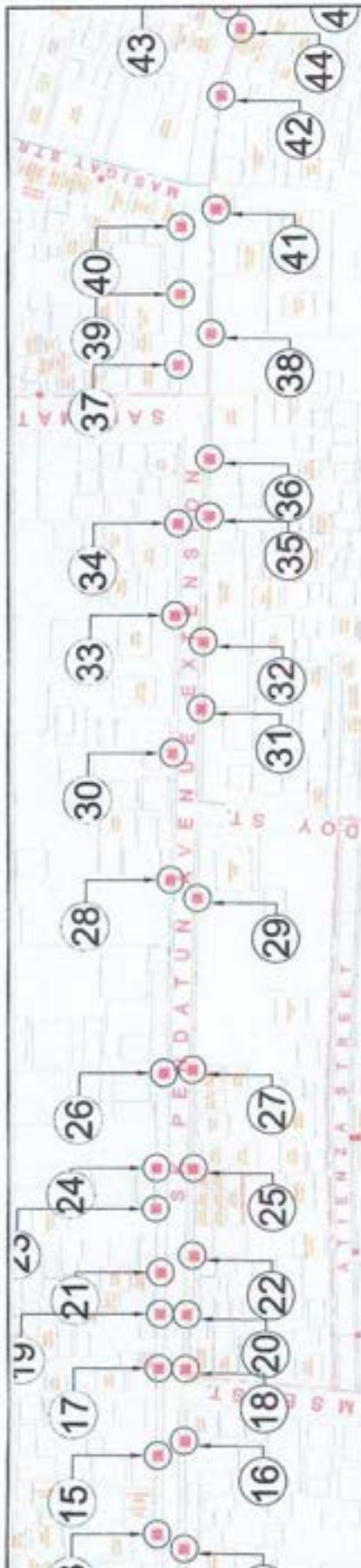
Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.
1 1st layer	9701316	Erenito Carlin	117-62-0120	5 1st layer	1102268	Tahir Selkula	111-62-1580	10 1st layer	724278	Hawan, Hawad M.	111-62-2475
2nd layer	923006	Gwendolin Yu Elay	117-32-0090	2nd layer	1106869	Emmanuel Tomas Manfraz	117-32-0210	15 1st layer	16-03297	Ali Mart Inc.	111-62-2600
3rd layer	1223005	Ferocce Pawnshop	117-62-0095	7 1st layer	16-03723	RD Pawnshop Inc. Br. 5	111-32-1710	2nd layer	1106356	Sugra Supermart	111-32-2665
2nd layer	9905034	Victor Ko	117-62-0100	2nd layer	1222963	Piang Abubakar	117-32-1350	11	EMPTY	EMPTY	EMPTY
3rd layer	1043912	Robolfo Chio	117-62-0105	2nd layer	1222965	Patra Wahabi	117-32-1370	12 1st layer	150725006	Sandaliya Mamidal	115-12-2040
3rd layer	15033612	Cebuana Lhuiller	117-32-0087	3rd layer	931590	Normin Singh	117-32-1312	2nd layer	222986	Mokamad Galam	115-12-2025
2 1st layer	16-00727	Rison Transport Gas Ser.	111-32-1525	4th layer	883665	Alyna Cartanero	117-32-1317	13 1st layer	10109374	Had. Fatmah Anandor	115-12-2025
2nd layer	1106869	Jama Pawnshop	111-32-1558	5th layer	1122868	Arny Facorda	117-32-1320	14 1st layer	160510276	Lurthog Anandor	115-12-2070
3	1116763	Abdujesser Sama #2	111-12-1572	EMPTY	1234425	Dris Ulep #1	117-62-1323	15 1st layer	17-07957	Anandor Hamzar	115-12-2075
4 1st layer	963146	Monessa Kamid	111-62-1597	EMPTY	1235933	Guerra Cheryl	117-32-1315	2nd layer	16-00307	Emma Pandona	115-32-2028
5 1st layer	17-11003	Judy Ong	117-62-0175	EMPTY	17-10469	Cecil Tagaran	117-32-1362	14 1st layer	16-00477	Emma Pandona #2	115-32-2028
2nd layer	150034611	Alice Ladon #2	117-32-0185	EMPTY	1426900	Kayadho, Zubaira A.	117-62-1347	15 1st layer	904810	Manuel Bautista	111-12-4600
3rd layer	1223036	Jerry Evangelio #2	117-62-0140	EMPTY	160512819	Pendatun, Silyao D.	EMPTY	2nd layer	1426636	Salik Esmael-Ria	115-12-2095
3rd layer	733020	Francisca Tunqao #2	117-12-0150	EMPTY	EMPTY	EMPTY	EMPTY	2nd layer	21670	Mella Al	115-12-2090
3rd layer	1105168	Edgar Concha	117-72-0125								

 METRO COTABATO WATER DISTRICT <small>CONVERSION OF SPINNEY AVENUE COTABATO CITY</small>	PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" UPVC PIPE)	PREPARED BY:  HABSY YUSMAN <small>PLANNING & MAINTENANCE DIVISION</small>	APPROVED BY:  <small>CIVIL ENGINEER OF DIRECTORS</small>	SHEET NO. <h1 style="font-size: 48px; margin: 0;">20</h1>
	PROJECT LOCATION: ALONG SR PEKIDATUN EXTENSION (Corner Quezon Avenue to Lunayon Street Section) Barangay Poblacion Mober, 2 & 4 Cotabato City	CHECKED & REVIEWED BY:  RANDO-ROSEL P. LUMBA <small>PROJECT MANAGER</small>	RECOMMENDING APPROVAL:  MA. LUJARDA ELAINE V. BASIMO <small>DIC-GENERAL MANAGER</small>	SHEET CONTENTS: Existing Concessionaires - A



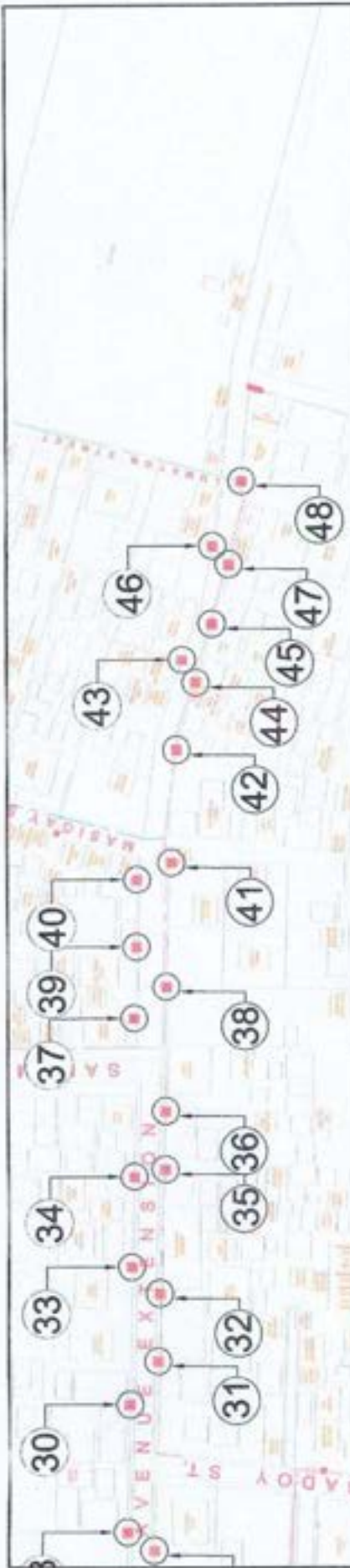
Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.
35 1st layer	1015110	John Basina	111-12-4715	18	EMPTY	EMPTY	116-12-2135	24 1st layer	16-02152	Abuazul H. Farida	115-12-2195
2nd layer	1115708	Jubari Sahani Jr.	111-12-4865	19 1st layer	522188	Nonita Sayoon	116-12-2150	25 1st layer	150510420	Dangpo Bayoc	115-12-2282
3rd layer	17-09802	Guillermo Carita	111-12-4650	20 1st layer	1209528	Juliana Duron #2	116-12-2155	2nd layer	5050063	Mirodas Ping Ai	115-12-5280
3rd layer	150724220	Zenaida Sana	111-12-4675	21 1st layer	150512565	Juliana Duron	116-12-2149	3rd layer	1204150	Talia Gayak	115-12-5300
4th layer	8810325	Ariyaya Uzman	111-12-4710	22	EMPTY	EMPTY	115-12-5199	4th layer	16-01943	Saldona Abuazul #4	115-12-5250
1st layer	865663	Ehranie Uzman	111-12-4580	23 1st layer	940348	Abdulwahab Uzman	116-12-2168	5th layer	1206905	Saldona Abuazul #5	115-12-5266
2nd layer	15084	Candelaria Mamadra	111-12-4590	2nd layer	128950	Kalipa Tony	116-12-2180		1206907	Saldona Abuazul #6	115-12-5275
1st layer	150510278	Anandar Luminog	116-12-2070	2nd layer	913231	Luisa Sano	116-12-1440		150724990	Saldona Abuazul #7	115-12-5278
2nd layer	1234142	Kalipa Dima	116-12-2130						1336547	Talia Gayak #2	115-12-5320
3rd layer	1323037	Magaysay Diangalan	116-12-2085						16-00393	Saldona Abuazul #2	115-52-5283
4th layer	1070484	Joel Donon	116-12-2138								
1st layer	150510828	Kubel Machig	116-12-2100								
2nd layer	8810325	Largoado Ansal	116-12-2120								
3rd layer	17-09492	Magaysay Diangalan #2	116-12-2054								
4th layer	15-03314	Albert Medico	116-12-2115								
5th layer	9521209	Kamad Xaron	116-12-2110								
6th layer	150504561	Norkaida Ai	116-12-2132								

 <p>METRO COTABATO WATER DISTRICT CONVERSION DIVISION OFFICE COTABATO CITY</p>	<p>PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION: ALONG SA PELODATUN EXTENSION (Corner Queen Avenue to Lumayan Street Section) Barangay Poblacion Mother, 2 & 4 Corralate City</p>	<p>PREPARED BY: MARVIN USMAN DRA - A</p> <p>CHECKED & REVIEWED BY:  RANDY REYES P. LIMBA PRINCIPAL ENGINEER C</p>	<p>SUBMITTED BY:  MA. LANDA ELAINE V. MARCIMO DTC-GENERAL MANAGER</p>	<p>APPROVED BY:  CHAIRMAN BOARD OF DIRECTORS</p>	<p>SHEET CONTENTS: Existing Concessionaires - 9</p>	<p>SHEET NO.: 21</p> <p>OF 35</p>
	<p>PROJECT OF:</p>					






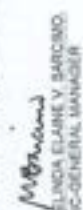



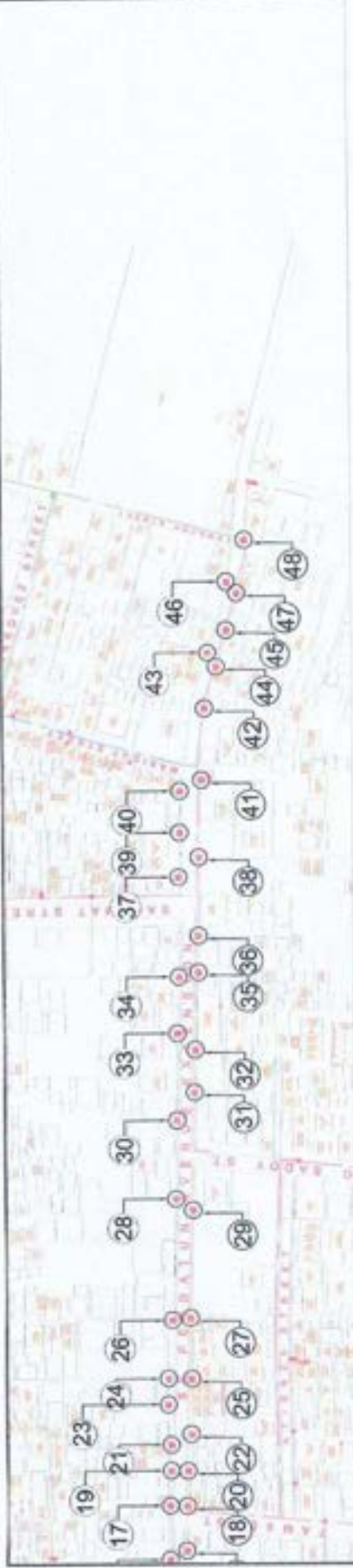
Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.
26	1st stand pipe			28	1st layer	1201136	116-12-2275	30	30	Gusni, Lilia	116-12-2362	32	32	EMPTY	115-12-5440
1st layer	1117900	Abdul Buyogon	116-12-2249	2nd layer	1427886	1427886	116-12-2249	2nd layer	1427886	Tutawi, Monesa	116-12-2366	35	35	Al, Abdulsaman	115-12-5510
2nd layer	923053	Muclar Guinpa	116-12-2200				116-12-2340			Uday, Teesle	116-12-5360	36	36	Faneqa, Wfrhelo	115-12-4155
3rd layer	1035746	Johlar Uliana	116-12-2277	29	1st layer	301868	116-12-2282	29	1st layer	Gaib, Mohamad	115-12-2465	37	37	Vlo, Jonathan F.	115-12-4166
4th layer	1331285	Zainal Sencid	116-12-2272	30	1st layer	1207024	116-12-2223	30	1st layer	Sadang, Pio	116-12-2470	38	38	Faneqa, Elnor	115-12-4166
	1427659	Sangkapan Umroaman	116-12-2272	2nd layer	150510233	150510233	116-12-2223	2nd layer	150510233	Camsa, Sigit	116-12-2496	39	39	Faneqa, Valeriana #2	115-12-4160
	17-08805	Norma Baragar	116-12-2272	3rd layer	150725007	150725007	116-12-2288	3rd layer	1230537	Nanding, Sekak	116-12-2483	40	40		
2nd stand pipe				4th layer	150725005	150725005	116-12-2288	4th layer	150725005	Sekak, Nanding #2	116-12-2509	41	41		
1st layer	3122525	Almad Tadlagan	116-12-2288				116-12-2288			Alamada, Tocan	116-12-2444	42	42		
2nd layer	906614	Had. Sumatra Dabulali	116-12-2284	31	1st layer	1206057	116-12-2210	31	1st layer	Sangkad, Ditu Andy	116-12-2457	43	43		
3rd layer	1230538	Lucia Bucubo	116-12-2235				116-12-2210			Edra, Sabda	116-12-2431	44	44		
	1200875	Mamatanto Buyogon	116-12-2258				116-12-2258			Zacaria, Rudy	116-12-2431	45	45		
	1230535	Timolea Almad	116-12-2210				116-12-2210			Piang, Abubakar #2	115-12-5440				
	17-09163	Aida Andil	116-12-2291				116-12-2291			EMPTY					
27	1st layer	16-03853	Zuleica Panda				115-32-5360								
2nd layer	150510417	Zuleica Panda #2	115-12-5360				115-12-5360								
	595884	Gloria Lopez	115-12-5340				115-12-5340								
	150935436	Anesa Malada	115-12-5375				115-12-5375								

 <p>METRO COTABATO WATER DISTRICT CONTRATA SUPLIENDEZ AVILA COTABATO CITY</p>	<p>PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p>	<p>PREPARED BY: HARMILY BERMAN E.A.A.</p>	<p>SUBMITTED BY: <i>[Signature]</i> DAR ENJO & MAINTENANCE RECOMMENDATION APPROVAL</p>	<p>APPROVED BY: <i>[Signature]</i> CHAIRMAN, BOARD OF DIRECTORS</p>	<p>SHEET CONTENTS: Existing Concessionaires - C</p>	<p>SHEET NO: 22</p>
	<p>PROJECT LOCATION: ALONG SK PENGANTUN EXTENSION (Corner Ousan Avenue to Lumanon Street Section) Barangay Poblacion Moron, 234, Cotabato City</p>	<p>CHECKED & REVIEWED BY: <i>[Signature]</i> RAYMOND P. LIMBA PRINCIPAL ENGINEER - C</p>	<p>MAILED BY: <i>[Signature]</i> MA. MELINDA ELANE V. BARRICMO D/C-GENERAL MANAGER</p>	<p>ACCOUNT NO.: 115-12-5375</p>	<p>ACCOUNT NO.: 115-12-5375</p>	<p>ACCOUNT NO.: 115-12-5375</p>



Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.
37 1st layer	8701443	Zainudin, Alma U.	116-12-2639	41	2nd stand pipe			45 1st layer	16078499	Golez, Jaime	115-12-6190
	150533692	Pendi Mustapha	116-12-2630	1st layer	100127	Concepcion, Antonia	115-12-5800	2nd layer	31222581	Sabial, Arbiya	115-12-6200
38 1st layer	10204639	Mama, Zaccaria	115-12-5600	2nd layer	95-00590	Capas, Conchita	115-12-5760	3rd layer	150510336	Kalanandayan, Paonola	115-12-6049
	1107044	Ahnanza, Ai	115-12-3461	3rd layer	922147	Mejedo, Catalina	115-12-5740	4th layer	1022660	Andal, Salama	115-12-6060
39 1st layer	957264	Urduan, Lilia Fatma	116-12-2662		1051528	Abed, Herodin	115-12-5770		150510837	Kasim, Jula	115-12-6045
40 1st layer	150726193	Gasal, Felicidad	116-12-2704	42	17-10835	Mamap, Aarnara	115-12-3362				
	1417446	Gullido, Engracio	116-12-2691			EMPTY					
41 1st layer				43 1st layer	607709	Datu Mangada, Had-Sambra	116-12-5366				
	733075	Layoc, Fructuosa R2	115-12-5595	2nd layer	1103710	Dirangaran, Lirning	116-12-5350				
	9414946	Tinguha, Roberto	115-12-3400	3rd layer	125961	Kasan, Noraina	116-12-5359				
2nd layer	1232183	Esmal, Maysarah	115-12-5780		1323039	Nanding, Normaia	116-12-0432				
	17-07026	Sevidra, Avenca	115-12-3440		1003088	Rakim, J. Mohammad	116-12-5372				
3rd layer	150593143	Dignos, Ian	115-12-5773		16-04762	Rakim, Joanna	116-12-5367				
	17-10347	Marahua, Nambal	115-12-5763	44 1st layer	9511192	Salyandang, Norodin	115-12-6000				
					16-01944	Budiac, Rodolfo	115-12-5970				

 METRO COTABATO WATER DISTRICT GOVERNOR SURSANGZ AVILA COTABATO CITY	PROJECT OF: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE) PROJECT LOCATION: ALONG SK PEIDATUM EXTENSION (Corner Quizon Avenue to Lumigon Street Section) Barangay Poblacion Maba, 3 & 4, Cotabato City	PREPARED BY:  HASSAN AL-JASSAN P.E.	SUBMITTED BY:  DAVID S. SORIANO DA, ENGR & MAINTENANCE RECOMMENDATION APPROVAL	APPROVED BY:  MA. MELINDA ELJANE V. BARRERA DIC-GENERAL MANAGER	SHEET CONTENTS: Existing Concessionaires - D	SHEET NO. <h1 style="font-size: 2em;">23</h1>
			PREPARED BY:  RANDY JOSEPH P. LIMBA PRINCIPAL ENGINEER C	SUBMITTED BY:  MA. MELINDA ELJANE V. BARRERA DIC-GENERAL MANAGER	APPROVED BY:  DAVID S. SORIANO CHAIRMAN/BOARDS OF DIRECTORS	



Stub - Out	Meter No.	Name	Account No.	Stub - Out	Meter No.	Name	Account No.
47		EMPTY		48	2nd stand pipe	Amill, Had, Rokaya	115-12-6440
48	1st stand pipe	Nanding, Wahida	115-12-6280	1st layer	125928	Kamad, Millanie	115-12-6590
	1st layer	Alang, Norodin	115-12-6395	2nd layer	9687928	Jamia Macmod	115-12-6500
	2nd layer	Amill, Mohamad	115-12-6460	3rd layer	16-01176	Dego, Metamboyoung	115-12-6550
	3rd layer	Amill, Naimah	115-12-6480	4th layer	17-08045	Mantor, Mohammad	115-12-6580
	3rd layer	Modin, Mohaimen	115-12-6450	5th layer	899633	Tadlaga, Mohamad	115-12-6582
	4th layer	Mantor, Monalyn	115-12-6502		150510797	Bandon, Esmael	115-12-6397
	5th layer	Campioa, Lanle	115-12-6584		989708	Anli, Balkan	115-12-6505
		Pendatun, Silad	115-12-6577		125672	Kali, Aida	115-12-6545
		Langalen, Kampong	115-12-6581		1331304		
		Bastia Pala	115-12-6220				

PROJECT OF  METRO COTABATO WATER DISTRICT GOVERNOR 2017-2022 AVENUE COTABATO CITY	PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (6" & 8" UPVC PIPE)	PREPARED BY:  ESMAIL L. LUMAN E.A.A.	SUBMITTED BY:  D. S. S. S. S. D. S. S. S. S.	APPROVED BY:  CHAIRMAN BOARD OF DIRECTORS	SHEET CONTENTS: Existing Concessionaires - E	SHEET NO. 24
	PROJECT LOCATION: ALONG SK PENDATUN EXTENSION (Corner Dusan Avenue to Lunayon Street Section) Barangay Hobson Motor, 2 & 4 Cotabato City	CHECKED & REVIEWED BY:  RANDY MOSSEY P. LIMBA PRINCIPAL ENGINEER C	RECOMMENDED APPROVAL:  MA MELINDA ELAINE V. BARCIMO DIC-GENERAL MANAGER			

DETAILS OF STUB-OUT (SO) 1

NDTS

NOTE:

- Standard Distances/ Clearances (in meters).
- Dependent on the width of the road-right of-way, and at the discretion of the assigned MCWD Technical personnel.
- Section drawing of the single tapping/double tapping stand pipe.
- Detail of distribution main & casing installation for stub-out (SO) system of the water service connection.

LEGENDS:

A	B	C	D	E
Minimum	Maximum			
1.50m	0.15m			
0.15m	0.45m			
0.45m	1.20m			
1.20m	15.50m			
15.50m	0.15m			

Prop. 25mm(1")Ø, GI Pipe Stub out



SO 1



PROJECT OF	PROJECT TITLE	PREPARED BY:	SUBMITTED BY:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.
 METRO COTABATO WATER DISTRICT GOVERNOR: ERNEZ VILVIL CORPORATOR: CH	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" UPVC PIPE)	 HARBIN USMAN PROJECT MANAGER	 RECOMMENDING APPROVAL	 MA MILCA ELAINE V. BARCIMO OIC-GENERAL MANAGER	DETAILS OF STUB OUT - 1	25
	PROJECT LOCATION: ALONG SK PENIDATAN EXTENSION (Corner Quince Avenue to Lumayag Street Section) Barangay Poblacion North, 2 & 4, Cotabato City	 RANDY REYES P. LIMBA PRINCIPAL ENGINEER C	RECOMMENDING APPROVAL MA MILCA ELAINE V. BARCIMO OIC-GENERAL MANAGER			

OF

38

DETAILS OF STUB-OUT (SO) 2

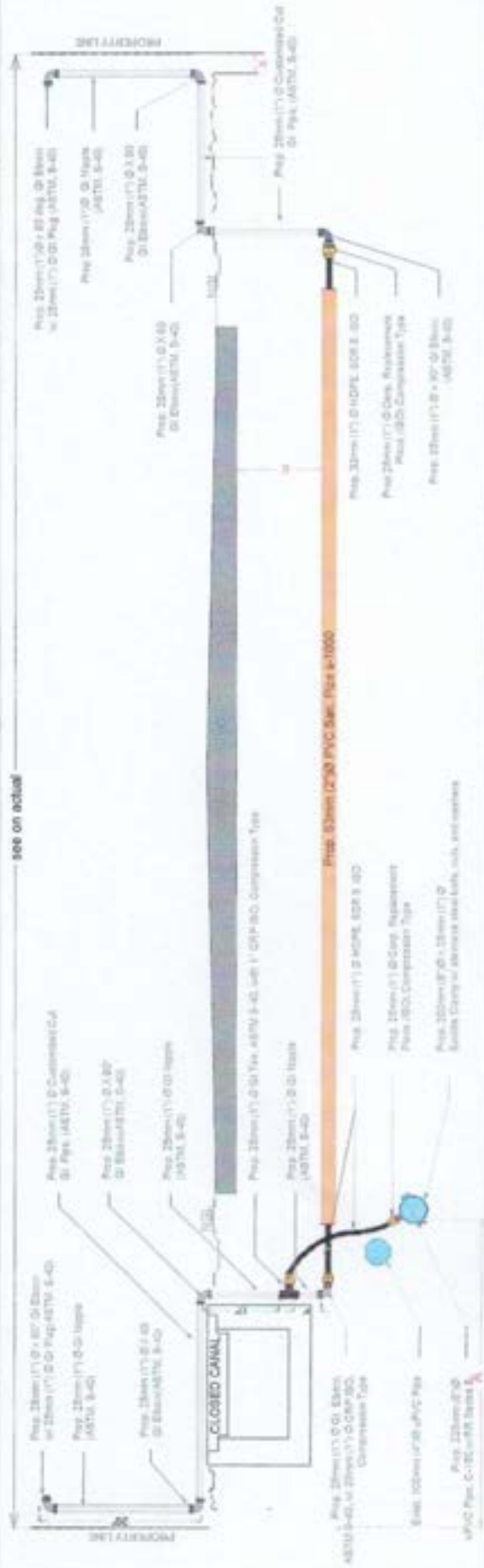
NDTS

LEGENDS:

	Minimum	Maximum
A =	1.50m	-
B =	0.10m	0.15m
C =	0.45m	0.60m
D =	0.75m	1.20m
E =	15 deg	45 deg
F =	0.10m	0.30m

Prop. 25mm(1")Ø, GI Pipe Stub out

- NOTE:**
- Standard Distances/ Clearances (in meters).
 - Dependent on the width of the road-right-of-way, and at the discretion of the assigned MCWD Technical personnel.
 - Section drawing of the single tapping/double tapping stand pipe.
 - Detail of distribution main & casing installation for stub-out (SO) system of the water service connection.



PROJECT OF:		PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" sPVC PIPE)	PREPARED BY:	HARIMANUSMAN	SUBMITTED BY:	 D. ERSO & M. Y. RAHMAN	APPROVED BY:	 MA. MELINDA ELIANE V. BARCIMO CHIEF GENERAL MANAGER	SHEET NO.	26
METRO COTABATO WATER DISTRICT COVENANT OUTREACH DIVISION COTABATO CITY		PROJECT LOCATION:	ALONG SK PONDOK MANTING EXTENSION (Corner Quezon Avenue to Limayon Street Section) Barangay Poblacion Molar, 2 & 4 Cotabato City	CHECKED & REVIEWED BY:	 RANDY CARLOS P. LIMBA PRINCIPAL ENGINEER C	RECOMMENDED APPROVAL:	 MA. MELINDA ELIANE V. BARCIMO CHIEF GENERAL MANAGER	SHEET CONTENTS:	DETAILS OF STUB OUT - 2	OF	35

SOD STUB-OUT DETAILS (SO-3)

3 NTDS



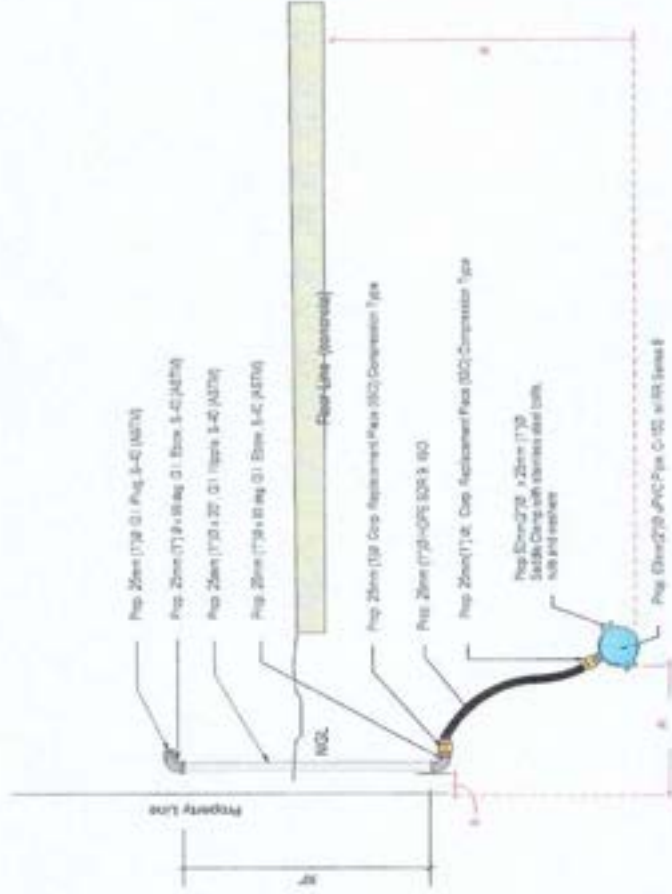
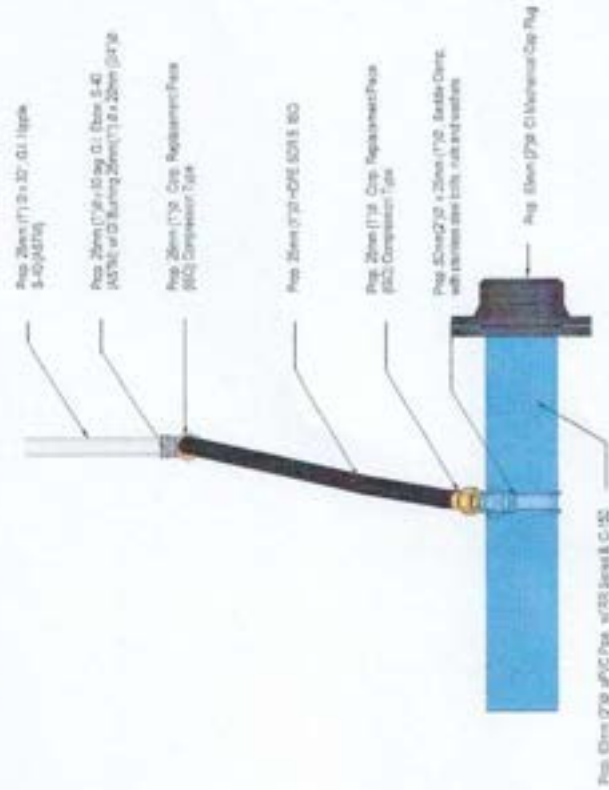
LEGENDS:

- A =
- b =
- d =
- g =
- y =

- Minimum:
- 1.50m
 - 0.10m
 - 0.76m
 - 15 deg
 - 0.10m
- Maximum:
- 0.15m
 - 1.20m
 - 45 deg
 - 0.30m

NOTE:

- Standard Distances/ Clearances (in meters).
- Dependent on the width of the road-right of way, and at the discretion of the assigned M/WD Technical personnel.
- Section drawing of the single tapping/double tapping stand pipe.
- Detail of distribution main & casing installation for stub-out (S.O.) system of the water service connection. (with and without existing canal beside the road).



PROJECT OF:	<p>METRO COTABATO WATER DISTRICT GOVERNOR GUTIERREZ AVENUE COTABATO CITY</p>	PROJECT TITLE:	<p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION: ALDO B. PEDEKUYER STREET Corner Quezon Avenue to General Limonin Street Sector Maruyaga Suburban Master 2 & 4 Cotabato City</p>	PREPARED BY:	 <p>MA. JESSICA BLANCO V. BARRERA PROJECT ENGINEER</p>	SUBMITTED BY:	 <p>MA. JESSICA BLANCO V. BARRERA PROJECT ENGINEER</p>	APPROVED BY:	 <p>MA. JESSICA BLANCO V. BARRERA PROJECT ENGINEER</p>	SHEET NO.:	27	SHEET CONTENT:	DETAILS OF STUB-OUT - 3	RECOMMENDING APPROVAL:	 <p>MA. JESSICA BLANCO V. BARRERA PROJECT ENGINEER</p>	CHAIRMAN, BOARD OF DIRECTORS	 <p>MA. JESSICA BLANCO V. BARRERA CHAIRMAN, BOARD OF DIRECTORS</p>
-------------	--	----------------	--	--------------	---	---------------	---	--------------	---	------------	----	----------------	-------------------------	------------------------	---	------------------------------	---

SOD STUB-OUT DETAILS (SO-4)

4 NTDS

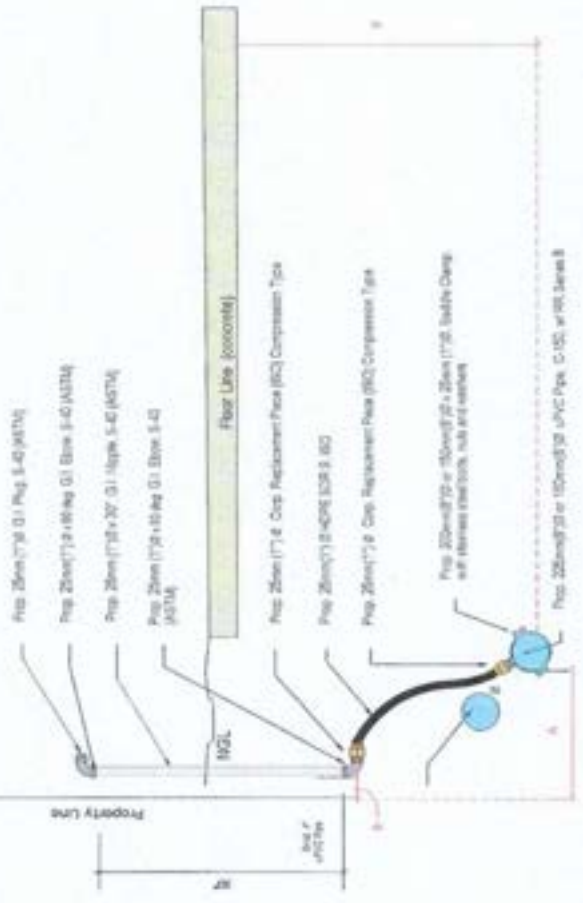


LEGENDS:

- | | | |
|---|---------|---------|
| A | Minimum | Maximum |
| b | 1.50m | 0.15m |
| c | 0.10m | 1.20m |
| d | 0.76m | 45 deg. |
| e | 15 deg. | 0.30m |
| Y | 0.10m | |

NOTE:

- Standard Distances/ Clearances (in meters).
- Dependent on the width of the road-right of-way, and at the discretion of the assigned MCHM Technical personnel.
- Section drawing of the single lapping/double lapping stand pipe.
- Detail of distribution main & casing installation for stub-out (S.O.) system of the water service connection. (with and without existing canal beside the road).



<p>PROJECT OF:</p> <p>METRO COTABATO WATER DISTRICT GOVERNOR OUTIERREZ AVENUE COTABATO CITY</p>	<p>PROJECT TITLE:</p> <p style="text-align: center;">PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)</p> <p>PROJECT LOCATION:</p> <p style="font-size: small;">ALDO B. FE CANTU-ESTEROS (Owner) Caceres & Company Inc. 1st Floor Sector: Barangay Purok 144 Cotabato City</p>	<p>PREPARED BY:</p> <p style="text-align: center;"><i>HILSON G. BERNAN</i> PROJECT ENGINEER</p> <p>CHECKED & REVIEWED BY:</p> <p style="text-align: center;"><i>RAJESH K. PANTHAR</i> PROJECT SUPERVISOR</p>	<p>SUBMITTED BY:</p> <p style="text-align: center;"><i>MA. MARICA ELAINE V. MARCADO</i> OC-GENERAL MANAGER</p>	<p>APPROVED BY:</p> <p style="text-align: center;"><i>CHARMAA BUREAU OF DIRECTORS</i> CHARMAA BUREAU OF DIRECTORS</p>	<p>SHEET CONTENT:</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">28</p> <p style="text-align: center;">DETAILS OF STUB-OUT - 4</p>	<p>SHEET NO.:</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">28</p> <p style="text-align: center;">OF</p> <p style="text-align: center;">35</p>
---	--	--	---	--	--	---

DETAILS OF STUB-OUT (SO) 5

NDTS



LEGENDS:

	Minimum	Maximum
A =	1.50m	-
B =	0.10m	0.15m
C =	0.45m	0.80m
D =	0.75m	1.20m
G =	15 deg	45 deg
V =	0.10m	0.30m

Prop. 25mm(1")Ø, GI Pipe Stub out

- NOTE:**
- Standard Distances/ Clearances (in meters).
 - Dependent on the width of the road-right-of-way, and at the discretion of the assigned MCWD Technical personnel.
 - Section drawing of the single tapping/double tapping stand pipe.
 - Detail of distribution main & casing installation for stub-out (SO) system of the water service connection.



PROJECT OF:  METRO COTABATO WATER DISTRICT SOVEREIGNTY, SERVICE, SUSTAINABILITY COTABATO CITY	PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	PREPARED BY: RANDY M. USMAN PHIA - A	SUBMITTED BY:  MA MELINDA ELAINE V. BARCIMO OFC-GENERAL MANAGER	APPROVED BY:  CHAIRMAN BOARD OF DIRECTORS	SHEET CONTENTS: DETAILS OF STUB OUT - 5	SHEET NO: 29
	PROJECT LOCATION: ALONG SK PENDATUN EXTENSION (Corner Gutcon Avenue to Lumayan Street Section) Barangay Poblacion Molar, 2 & 4, Cotabato City	CHECKED & REVIEWED BY:  RANDY M. USMAN PRINCIPAL ENGINEER-C	RECOMMENDED APPROVAL:  MA MELINDA ELAINE V. BARCIMO OFC-GENERAL MANAGER	OF	OF	OF

DETAILS OF STUB-OUT (SO) 6

NDTS

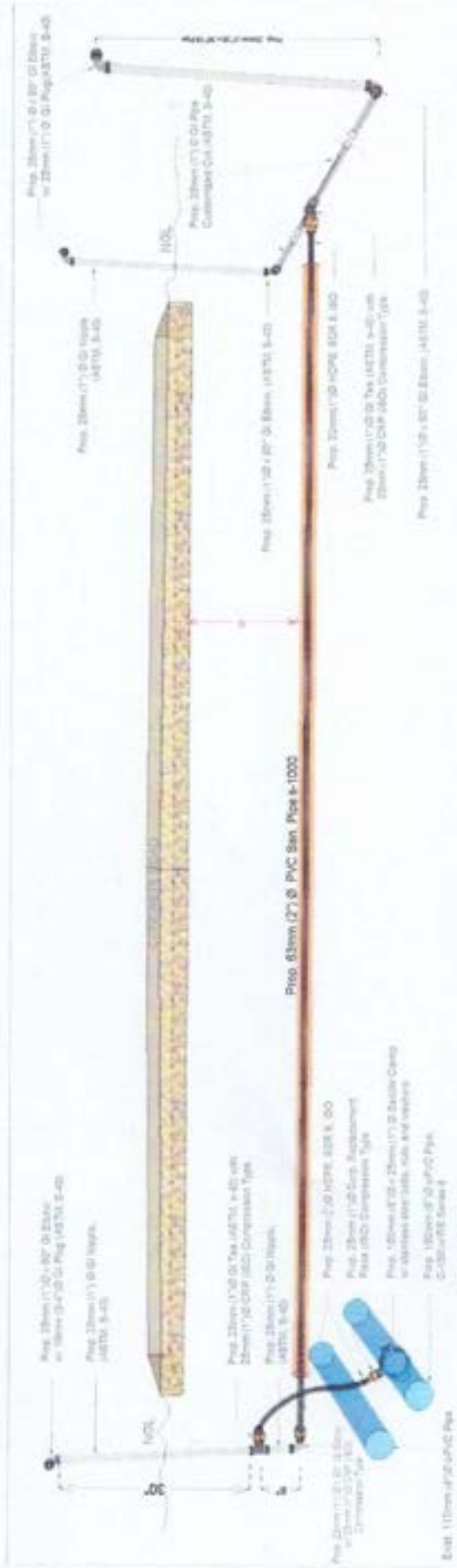
LEGENDS:

	Minimum	Maximum
A	1.50m	-
B	0.10m	0.15m
C	0.45m	0.50m
D	0.70m	1.20m
E	15 deg	45 deg
F	0.10m	0.30m

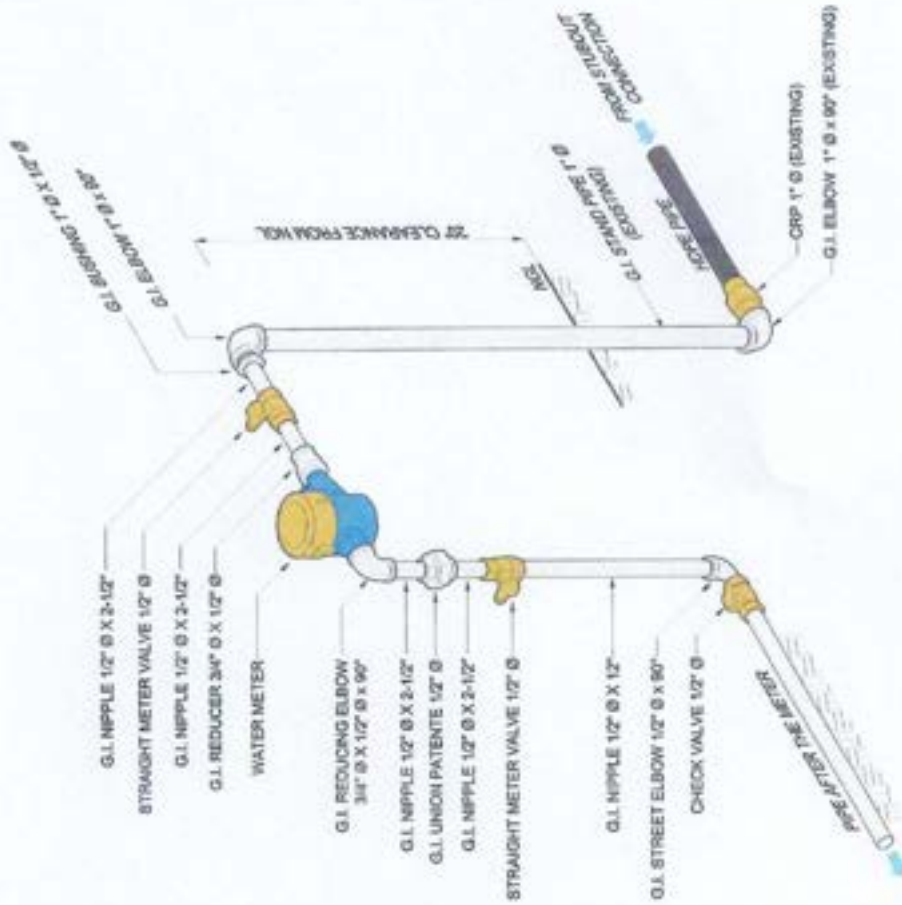
Prop. 25mm(1")Ø, GI Pipe Stub out

NOTE:

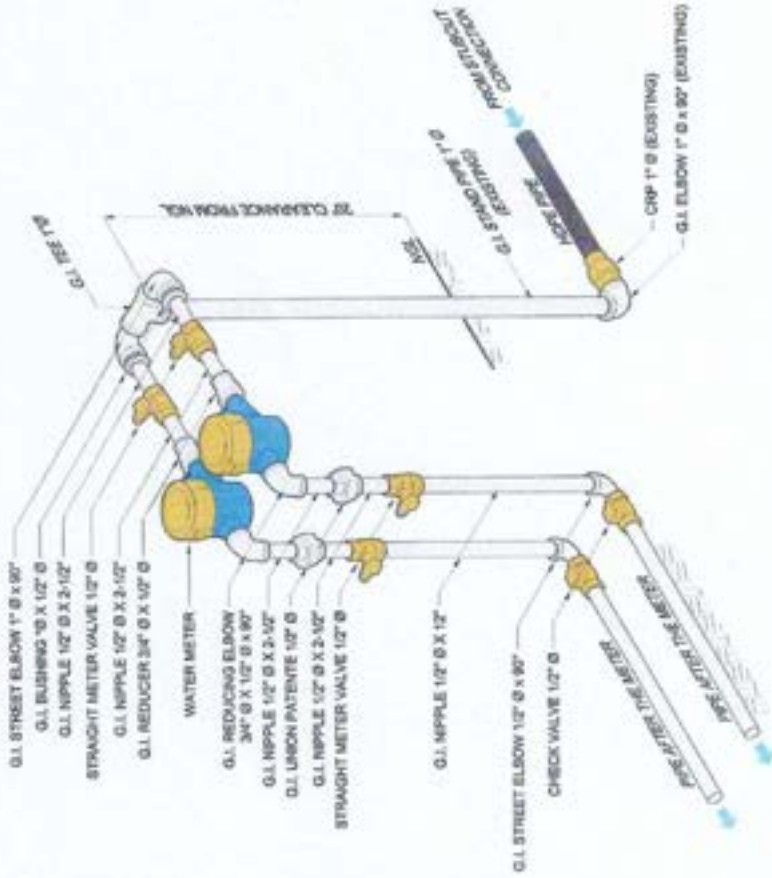
- Standard Distances/ Clearances l(in meters).
- Dependent on the width of the road-right of-way, and at the discretion of the assigned MCWD Technical personnel.
- Section drawing of the single tapping/double tapping stand pipe.
- Detail of distribution main & casing installation for stub-out (SO) system of the water service connection.



PROJECT OF	PROJECT TITLE	PREPARED BY	SUBMITTED BY	APPROVED BY:	SHEET CONTENTS	SHEET NO.
METRO COTABATO WATER DISTRICT GOVERNOR GUILLERMO J. ANSIC COTABATO CITY	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" uPVC PIPE)	HAROLD J. USMAN E. A.	REYD A. SERRANO CAL. ENGINE & MAINTENANCE	REYD A. SERRANO CHARISMAL BOARD OF DIRECTORS	DETAILS OF STUB OUT - 6	30
	PROJECT LOCATION ALONG SR PENDATUN EXTENSION (Corner Quizon Avenue to Lunsayan Street Section) Barangay Pobocan Mobar, 2 & 4, Cotabato City	CHECKED & REVIEWED BY: RANDY M. SERRANO PRINCIPAL ENGINEER C	RECOMMENDING-APPROVAL: MA. MELINDA ELAINE V. BARRICMO CIC-GENERAL MANAGER			OF 35



METER STAND DETAIL FOR 1 LAYER - 1 WATER METER

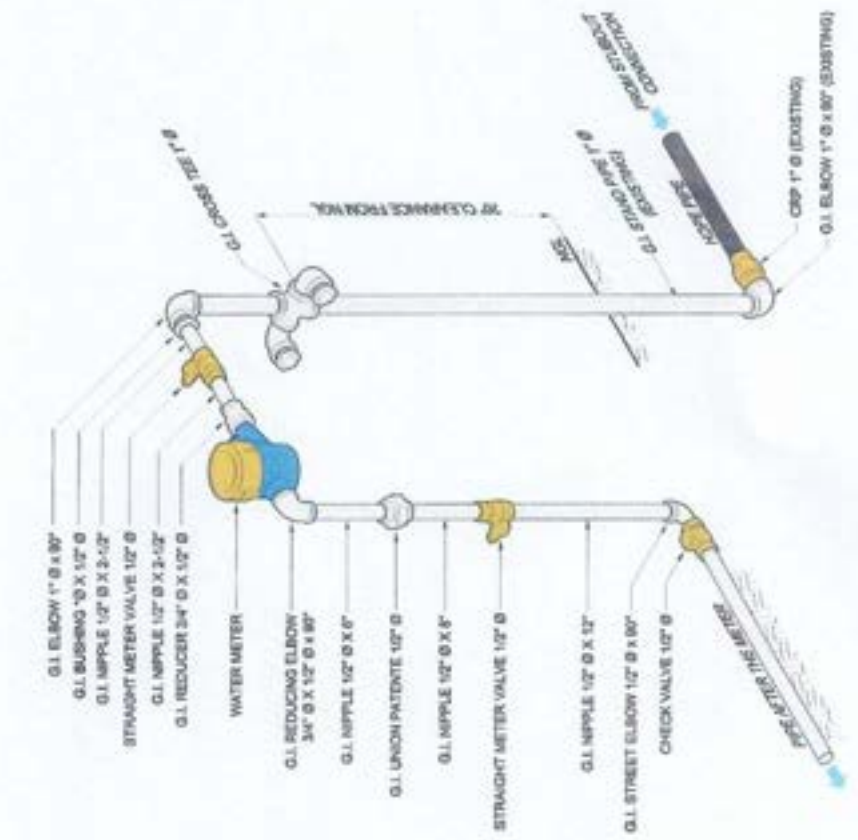


METER STAND DETAIL FOR 1 LAYER - 2 WATER METERS

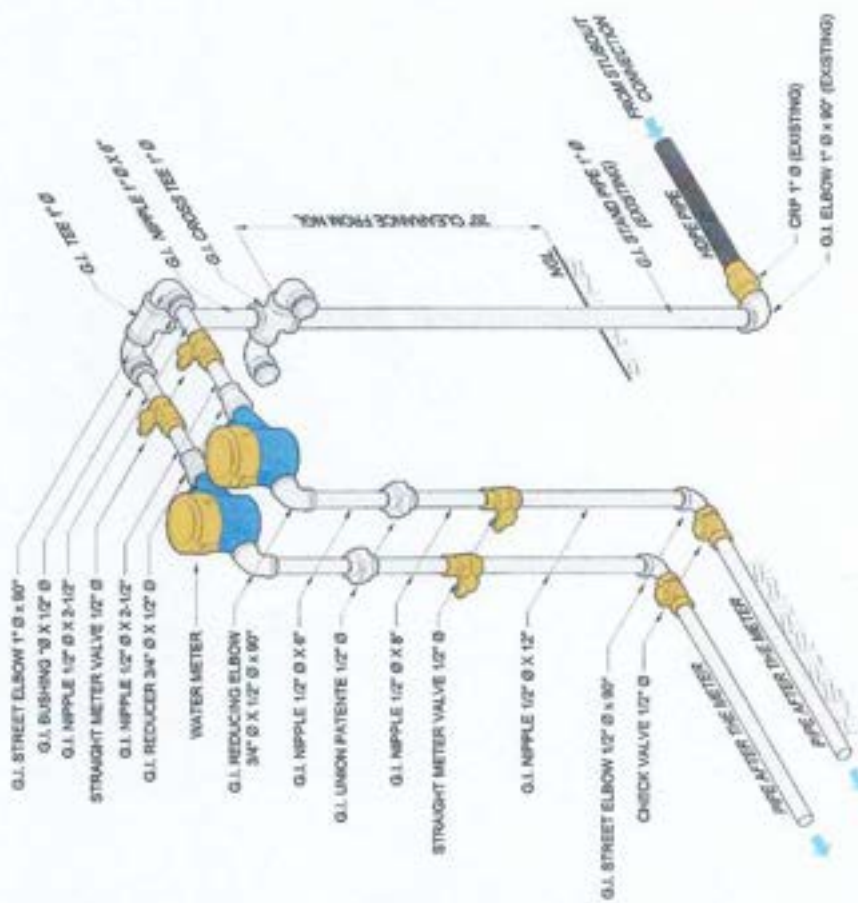
FOR STUB-OUT: #4, #14, #20, #21, #28, #31 & #39

FOR STUB-OUT: #15, #24, #33, #37, #38 & #40




 <p>HEATING CONTRACTORS DISTRICT 10000 Katy Road Houston, TX 77054</p>	<p>PROJECT TITLE: PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" PVC PIPE)</p> <p>PROJECT LOCATION: ALONG BY PRODUCE EXTENSION Crosser Garden Avenue to Lumber Street Bastrop Branch, Houston, Harris County, TX</p>	<p>PREPARED BY: </p> <p>CHECKED & REVIEWED BY: </p>	<p>SUBMITTED BY: </p> <p>RECORDED BY: </p>	<p>APPROVED BY: </p>	<p>METER STAND SET UP (1 Layer)</p>	<p>SHEET NO. 31</p>
---	--	---	--	---	---	--------------------------------

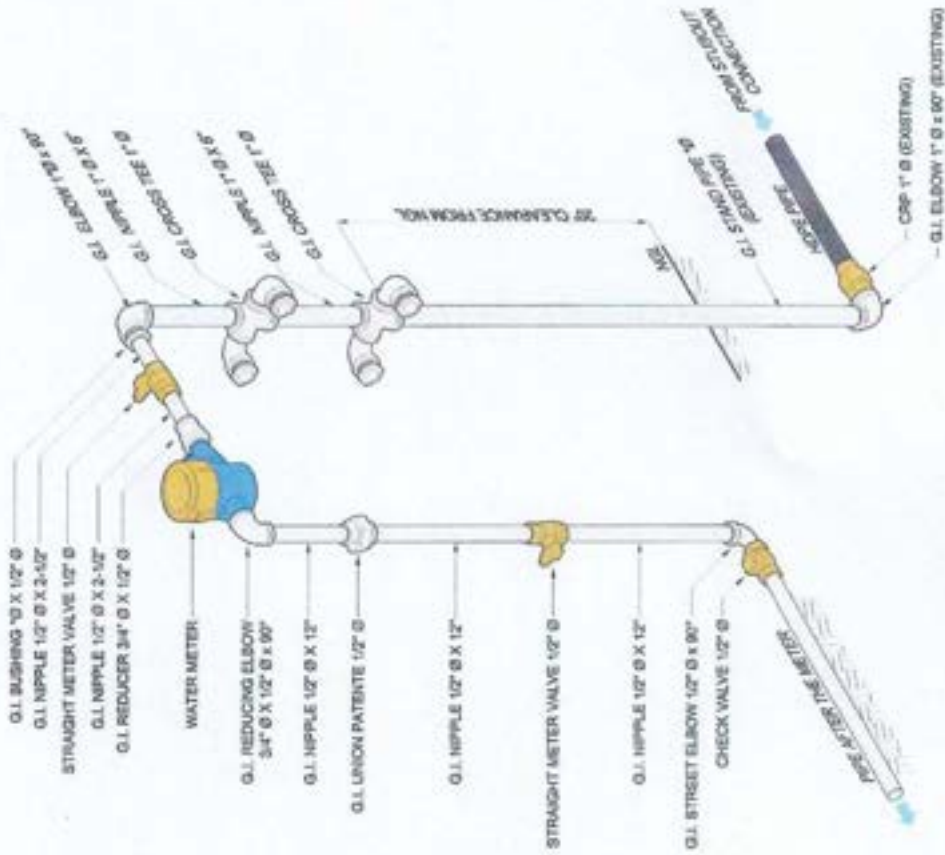


METER STAND DETAIL FOR 2 LAYER - 3 WATER METERS

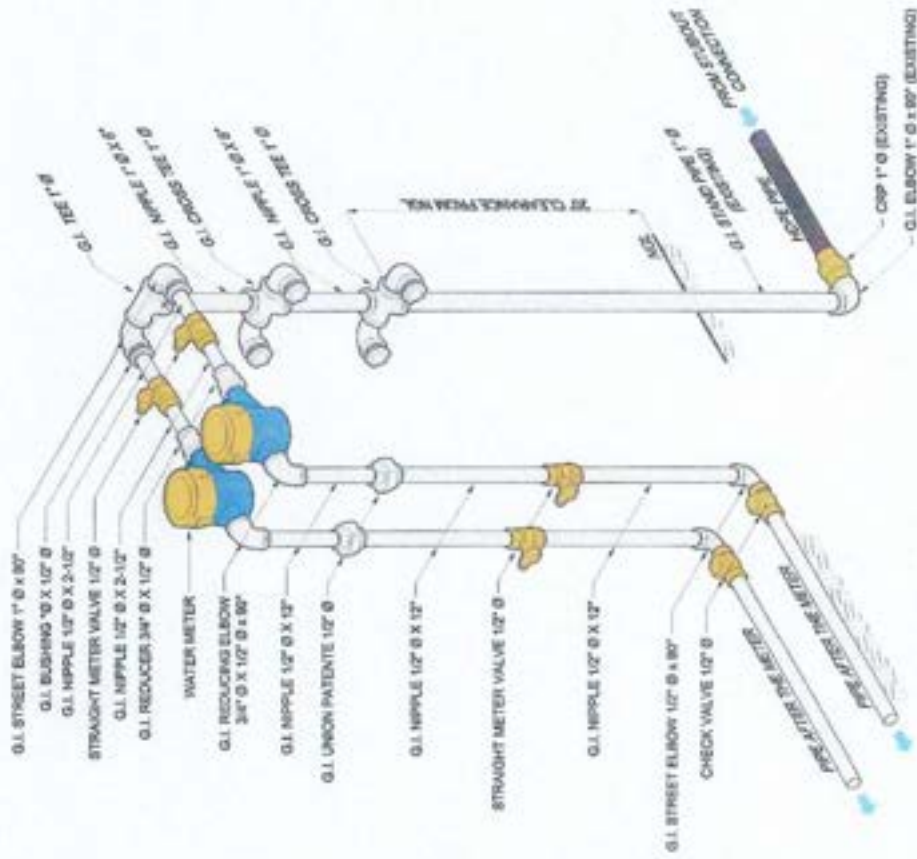


METER STAND DETAIL FOR 2 LAYER - 4 WATER METERS

PROJECT OF:	 METRO OTTAWA TO WATER DISTRICT 1000 GARDNER ST. - 11th FLOOR OTTAWA, ONT. K1H 1S1	PROJECT TITLE:	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" PVC PIPE)	SUBMITTED BY:	 M. G. G. G. PROJECT MANAGER	FOR STUB-OUT: #2, #6, #10, #12 & #25	SHEETING:	32
PROJECT LOCATION:	ALONG St. PASCAL EXTENSION Corner Queen Avenue & St. PASCAL Street Section 25, Township 18 North, Range 2 & 4 Carleton Place, Ontario	CHECKED & REVERSED BY:	 M. G. G. G. PROJECT MANAGER	APPROVED BY:	 M. G. G. G. PROJECT MANAGER	SHEET CONTENTS:	METER STAND SET UP (2 Layer)	



METER STAND DETAIL FOR 3 LAYER - 5 WATER METERS

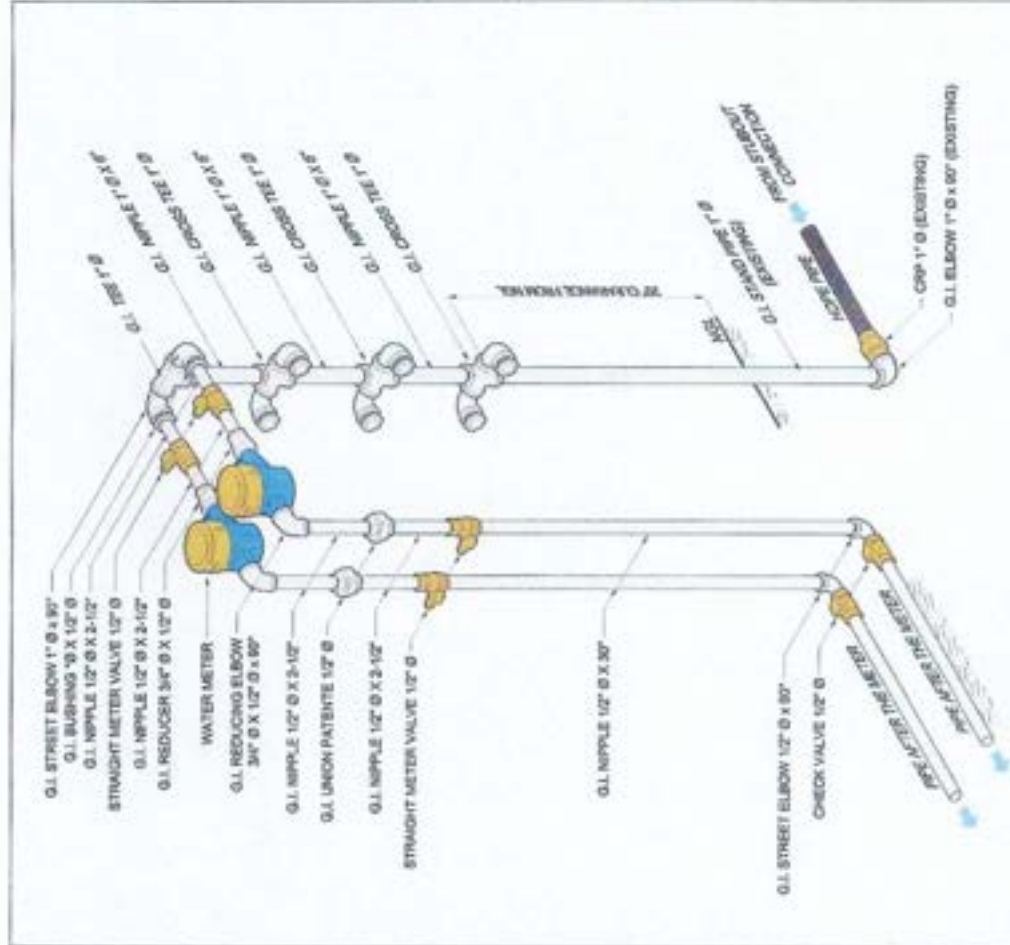


METER STAND DETAIL FOR 3 LAYER - 6 WATER METERS

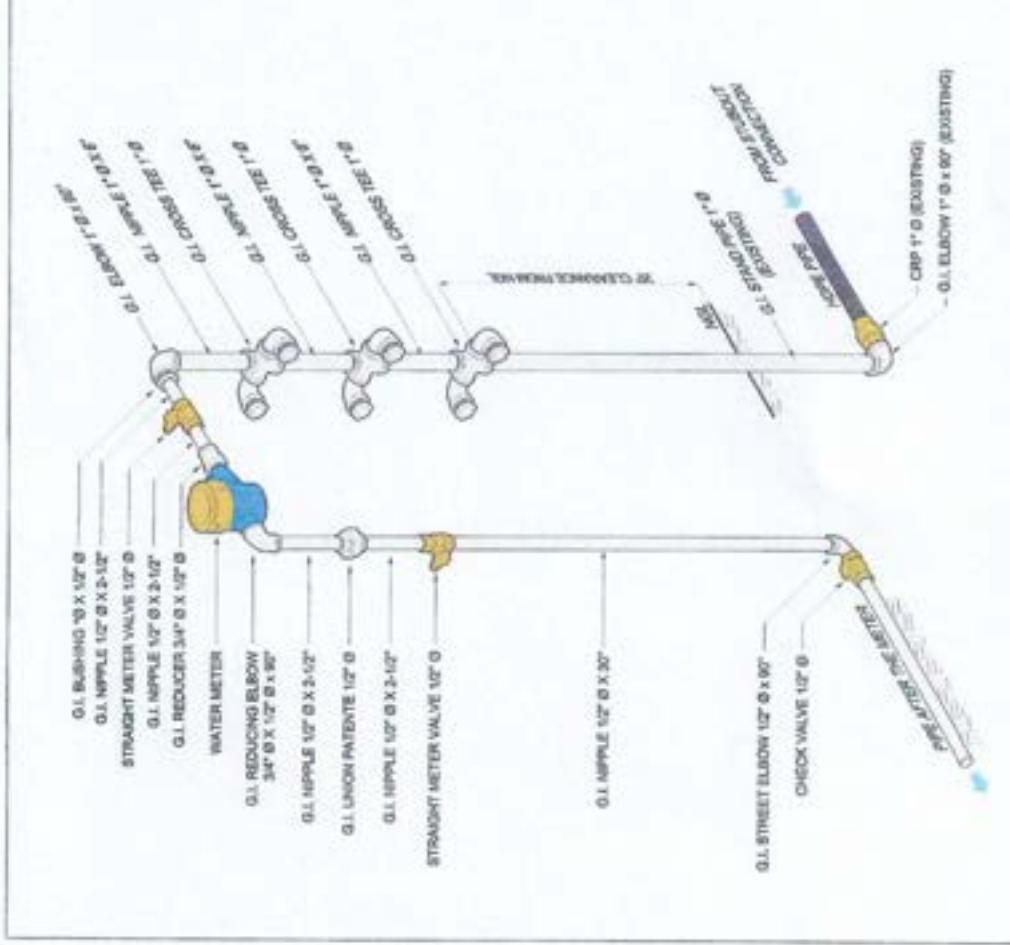
FOR STUB-OUT : #5, #34 & #36

FOR STUB-OUT : #1, #17-2, #23, #28-2, #41-1, #41-2 & #43

 <p>METRO-GORHAM WATER DISTRICT 1000 BROADWAY PORTLAND, ME 04101</p>	<p>PROJECT TITLE PROPOSED PIPE IMPROVEMENT PROJECT (P & S - UPVICING)</p> <p>PROJECT LOCATION ALONG ST. PIERCE ST. EXTENSION Corner Grafton Avenue N, Junction Street Andover Barrington Parkside Mobile, S & L Columbia, ME</p>	<p>PREPARED BY </p> <p>CHECKED & RECEIVED BY </p> <p>RECORDED & INDEXED BY </p> <p>DATE 10/15/2010</p>	<p>SUBMITTED BY </p> <p>RECOMMENDED APPROVAL </p> <p>DATE 10/15/2010</p>	<p>APPROVED BY </p> <p>DATE 10/15/2010</p>	<p>SHEET CONTENTS METER STAND SET UP (3 Layer)</p>	<p>SHEET NO 33</p>
---	--	---	--	---	--	------------------------

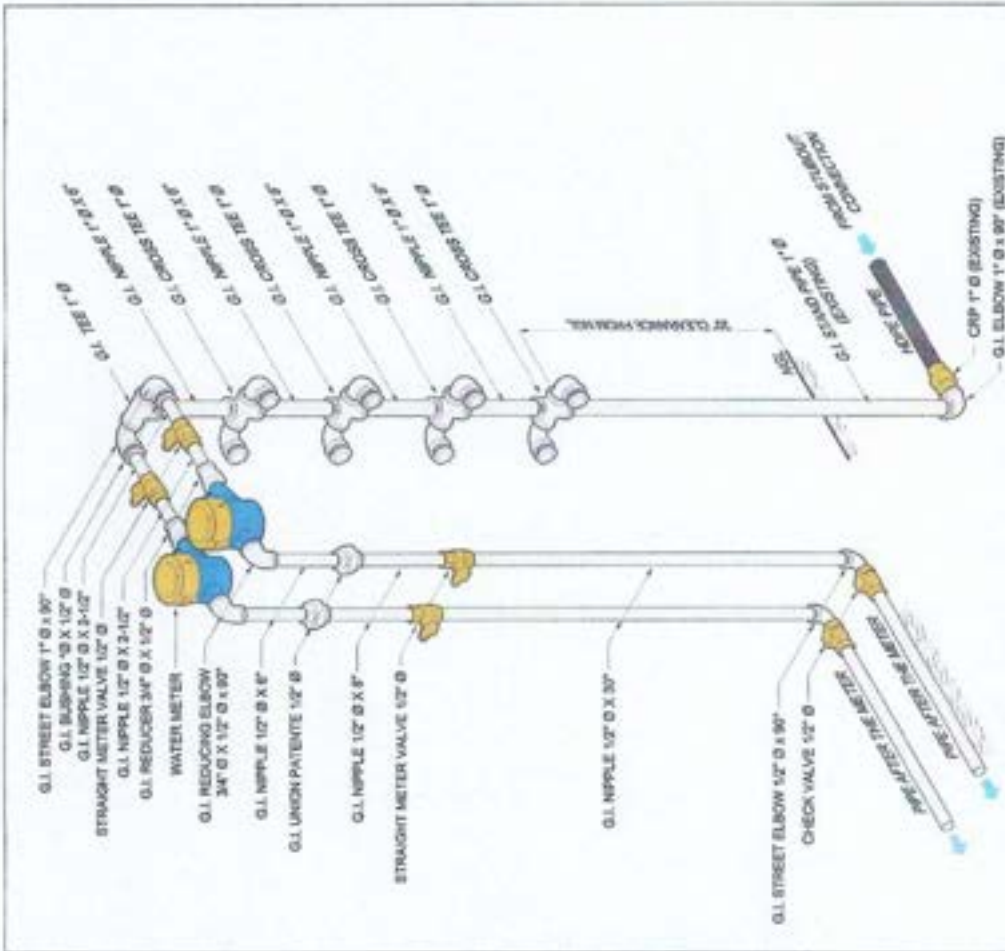


METER STAND DETAIL FOR 4 LAYER - 8 WATER METERS

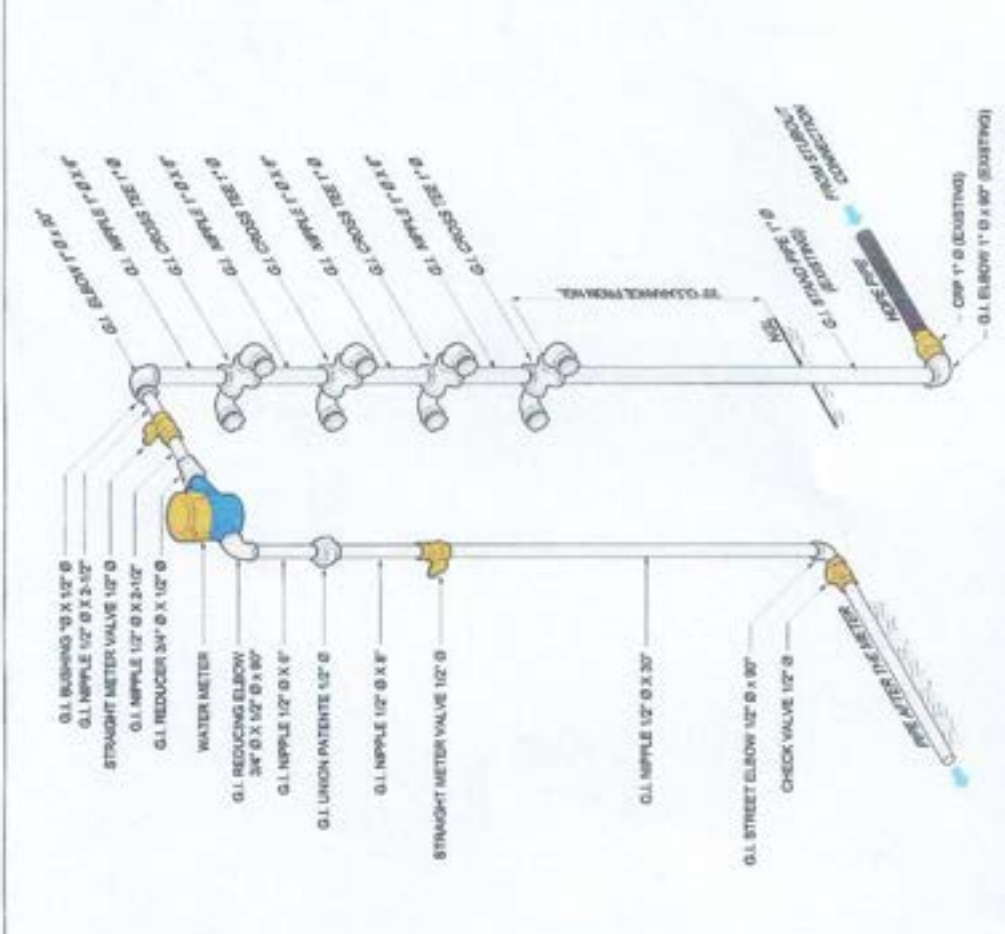


METER STAND DETAIL FOR 4 LAYER - 7 WATER METERS

PROJECT OF	 METRO COTABATO WATER DISTRICT Cotabato City	PROJECT TITLE	PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" PVC PIPE) PROJECT LOCATION ALONG SA PERDANA EXTENSION Corner Cuzco Avenue to Lumbayan Street Section Barangay Robinson Street, 2 & 4 Cotabato City	PREPARED BY	 ENGINEER	CHECKED & REVIEWED BY	 PROFESSIONAL ENGINEER C	SUBMITTED BY	 ENGINEER	FOR STUB-OUT : #16, #17-1 & #26-1	FOR STUB-OUT : #30 & #44	APPROVED BY	 PROFESSIONAL ENGINEER	SHEET CONTENTS	SHEET NO
												METER STAND SET UP (4 Layer)	34		



METER STAND DETAIL FOR 5 LAYER - 10 WATER METERS



METER STAND DETAIL FOR 5 LAYER - 9 WATER METERS

PROJECT OF	 <p>HIRING COSTA RICA WATER DISTRICT SOLICITA A. CHANG-VALDIVIA INGENIERO</p>	FOR STUB-OUT: #45 & #49	FOR STUB-OUT: #7, #25 & #48	SHEET NO.	35
PROJECT TITLE	<p>PROPOSED PIPE IMPROVEMENT PROJECT (8" & 6" UPVC PIPE)</p> <p>PROJECT LOCATION ALONG BY PONTAVERDE/ENDESA Calle Quince Avenida Limón Street Sector Barro Colorado, Limón 2 & 4 Costa Rica</p>	PREPARED BY	APPROVED BY	METER STAND SET UP (5 Layer)	
	 <p>LUIS A. VALDIVIA INGENIERO</p>	 <p>M. J. M. M. INGENIERO</p>	 <p>M. J. M. M. INGENIERO</p>		
	<p>CHECKED & REVIEWED BY</p>  <p>M. J. M. M. INGENIERO</p>	<p>RECORDED & INDEXED BY</p>  <p>M. J. M. M. INGENIERO</p>			