

PROP. 8"Ø EF END CAP, SDR 9, PE100, PN20

PROP. 8"Ø HDPE PIPE, SDR 9, PE100, PN20 (290 PSI)

PROP. 8"Ø HDPE PIPE, PN20 (EXPOSE): PROVIDE THRUST BLOCKS SPACED @ 6.0M

NOTES:

USE ELBOWS IN EVERY CHANGE OF DIRECTIONS OF PIPELINE HAVING ATLEAST 22.5 DEGREES TURN

2. EXIST. MAINLINE NOT SHOWN IN THE DRAWING.

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PROP. 4"Ø SURGE ANTICIPATING CONTROL VALVE (TO BE INSTALLED AT IRISAN 3)

PLS. SEE INTERCONNECTION DETAILS

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STATIONING	PIPELINE ROUTE	LENGTH
1 - 2	ACROSS THE ROAD	10.0m
2 - 3	CONCRETE ROAD WITH 2' STREET ON 1 SIDE R/W	300.0m
3 - 4	ACROSS THE ROAD	6.0m
4 - 5	CONCRETE ROAD	280.0m
5 - 6	ACROSS THE ROAD	8.0m
6 - 7	CONCRETE ROAD	46.0m
7 - 8	ACROSS THE ROAD	8.0m
8 - 9	CONCRETE ROAD	3.0m
9 - 10	CONCRETE ROAD	286.0m
10 - 11	ACROSS THE ROAD	110.0m
11 - 12	CONCRETE ROAD	88.0m
12 - 13	ACROSS THE ROAD	7.0m
13 - 14	CONCRETE ROAD	166.0m
14 - 15	ACROSS THE ROAD	10.0m
15 - 16	CONCRETE ROAD	288.0m
16 - 17	DIRT ROAD	10.0m
17 - 18	CONCRETE ROAD	30.0m
18 - 19	ALLEY (EXPOSED) WITH 2' STREET ON 1 SIDE R/W	116.0m
19 - 20	ACROSS THE ROAD	10.0m
20 - 21	CONCRETE ROAD	60.0m
21 - 22	ACROSS THE ROAD	6.0m
22 - 23	CONCRETE ROAD WITH 2' STREET ON 1 SIDE R/W	300.0m
23 - 24	CONCRETE ROAD WITH 2' STREET ON 1 SIDE R/W	162.0m
TOTAL		2,590.0m

PROP. PIPELINE ROUTE

SCALE

NTS

PREPARED BY

REVIEWED BY

APPROVED BY:

PROJECT TITLE

NOTES/REMARKS/CONFORME

SHEET NUMBER



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PROPOSED INSTALLATION OF 8"Ø X 2,560M HDPE PIPELINE ALONG SAN CARLOS HEIGHTS, IRISAN TO MIDDLE QUEZON HILL

1

FILE NAME



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PROJECT TITLE
PROPOSED INSTALLATION OF 8"Ø X 2,560M HDPE MAINLINE ALONG SAN CARLOS HEIGHTS, IRISAN TO MIDDLE QUEZON HILL

NOTES/REMARKS/CONFORME

TYPICAL THRUST BLOCK DETAIL

SHEET NUMBER
3

FILE NAME

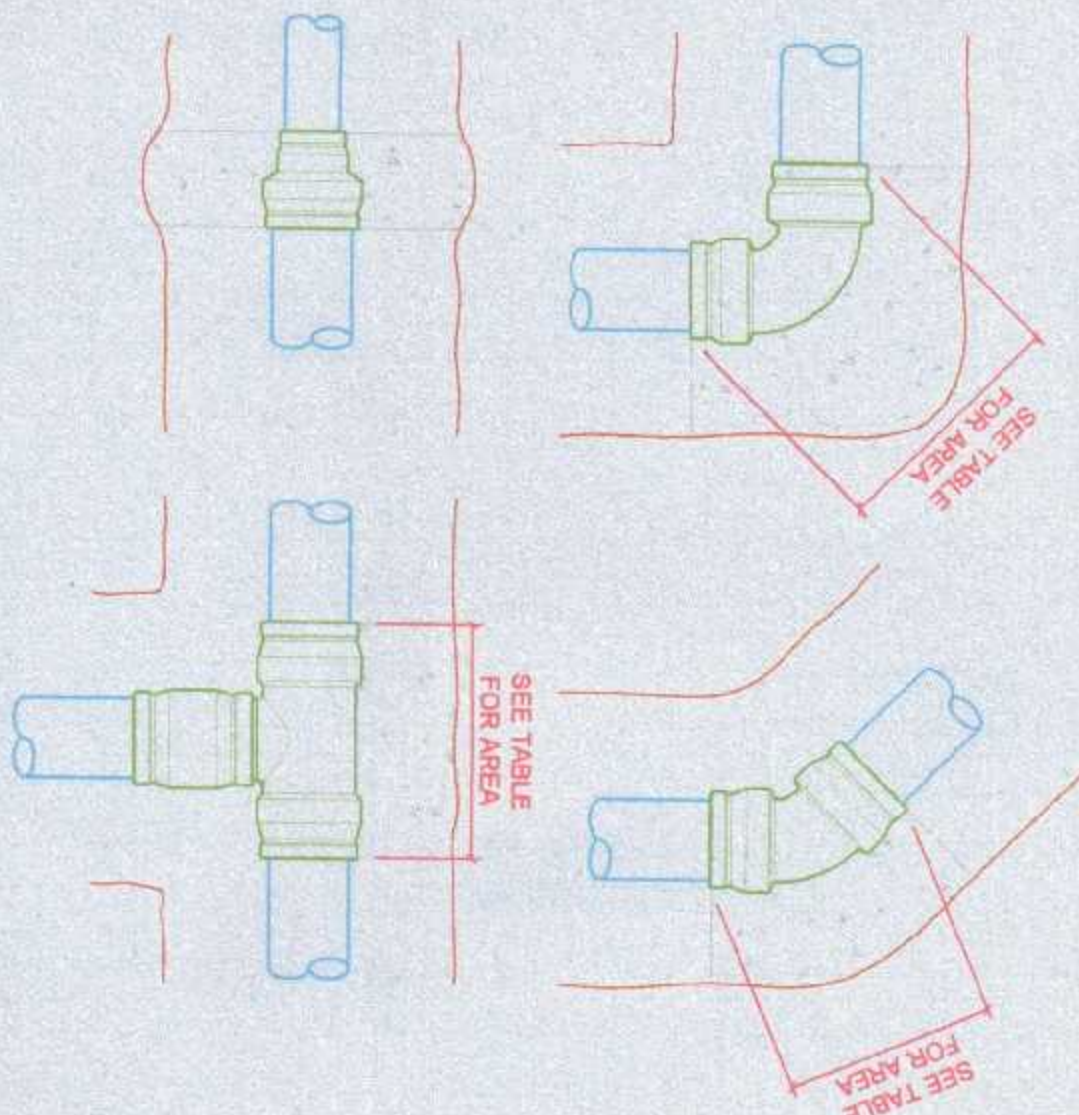


TABLE OF MINIMUM THRUST BLOCK BEARING AREA IN SQUARE METRES FOR PIPE SIZES 75mm TO 300mm Ø					
PIPE SIZE, mm (in)	TEE AND DEAD END		90° BEND	45° BEND	22 1/2° BEND
	END				
75 (3)	0.05	0.07	0.04	0.04	0.02
100 (4)	0.09	0.12	0.07	0.07	0.04
150 (6)	0.20	0.28	0.15	0.15	0.08
200 (8)	0.35	0.50	0.27	0.27	0.14
250 (10)	0.55	0.77	0.42	0.42	0.21
300 (12)	0.79	1.11	0.60	0.60	0.31

- NOTES
1. ABOVE AREAS ON AN ASSUMED SOIL BEARING PRESSURE OF 99KPa (2000psf).
 2. REDUCE OR INCREASE AREA PROPORTIONALLY TO SUIT ACTUAL FIELD CONDITION UPON APPROVAL OF FIELD ENGINEER.
 3. CONCRETE FOR THRUST BLOCK SHALL BE 13.8MPa (2000psi).
 4. ALL CONCRETE SHALL BE POURED TO AVOID INTERFERENCE WITH JOINTS.
 5. THRUST BLOCKS NOT REQUIRED ON STEEL PIPELINE WITH WELDED OR FLANGED JOINTS OR ON SOLVENT WELDED PVC PIPE.
 6. WHERE PIPE CONNECTS TO A FITTING IN A STEEL PIPELINE, THE STEEL PIPELINE SHALL BE BLOCKED AS SHOWN HEREON.
 7. BEARING AREAS BASED ON INTERNAL PRESSURE OF 106m (152psi).

TYPICAL THRUST BLOCK DETAIL

SCALE

NTS



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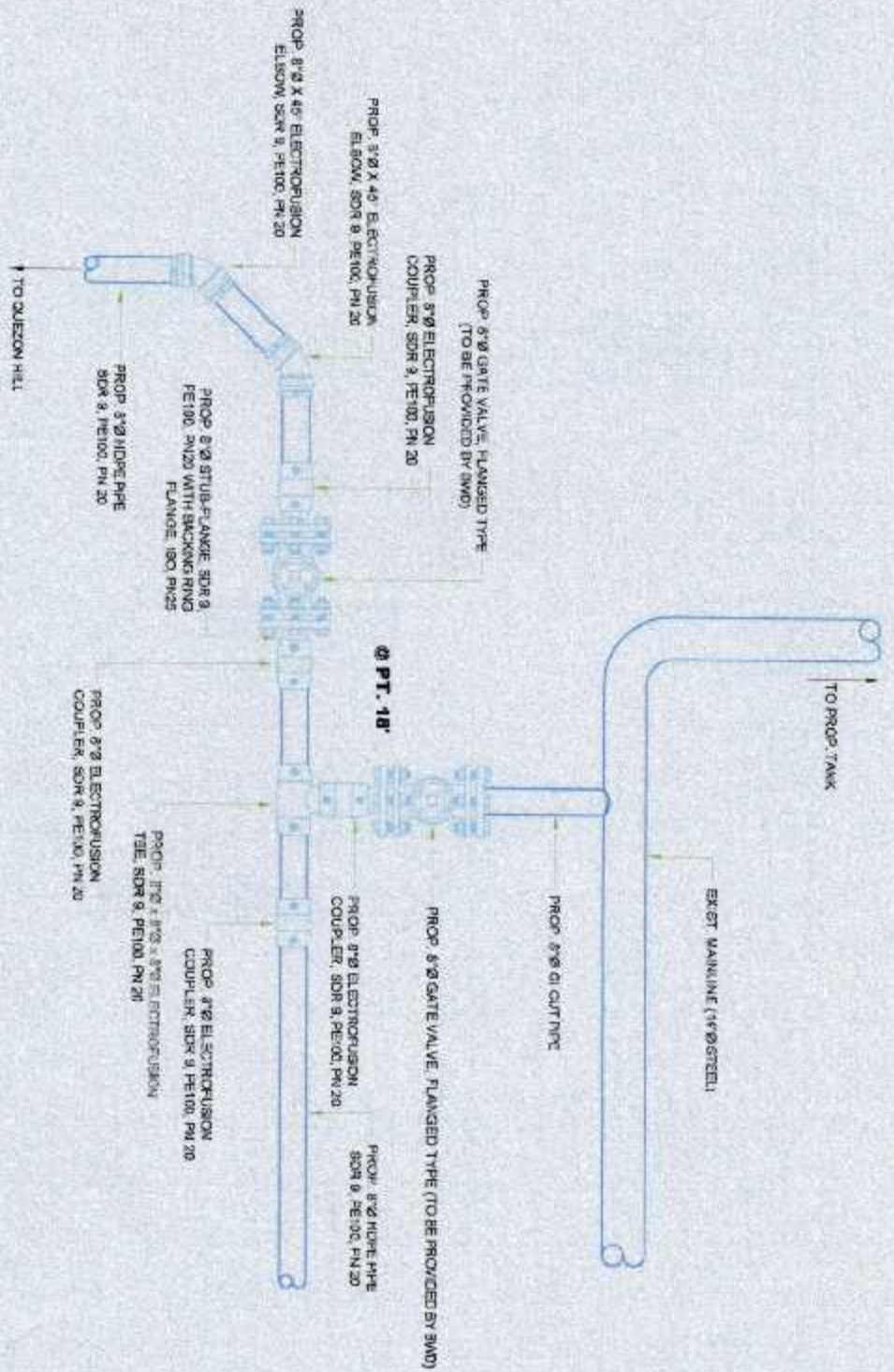
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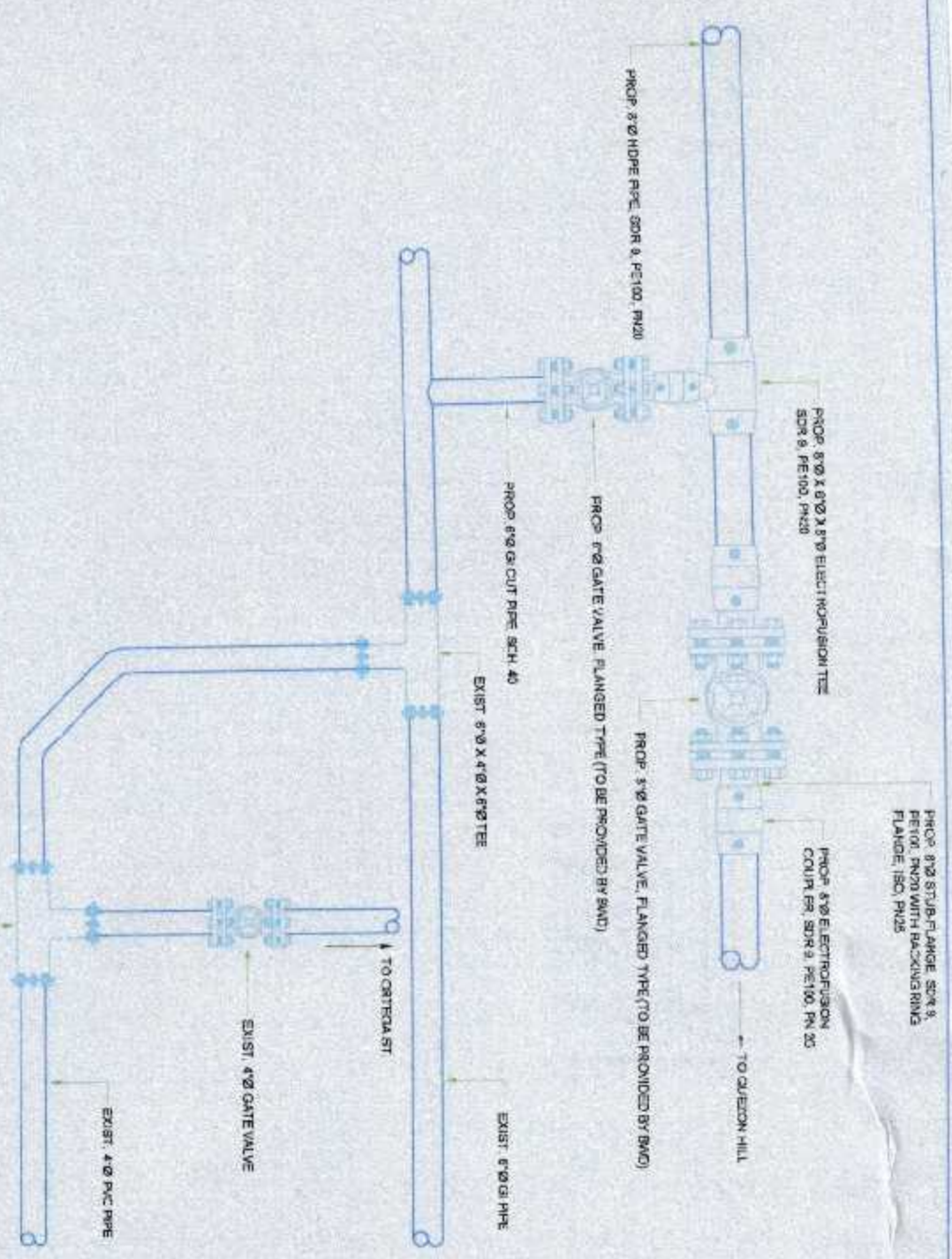
PROJECT TITLE
PROPOSED INSTALLATION OF 8" X 2.560M HDPE MAINLINE ALONG SAN CARLOS HEIGHTS, IRISAN TO MIDDLE QUEZON HILL

NOTES/REMARKS/CONFORME
INTERCONNECTION DETAILS
SHEET NUMBER
4
FILE NAME

INTERCONNECTION DETAILS AT STA. 18'
SCALE: **NTS**

NOTE: PROVIDE THRUST BLOCKS ON ALL INTERCONNECTION POINTS ON SITE





INTERCONNECTION DETAILS AT STA. 23'

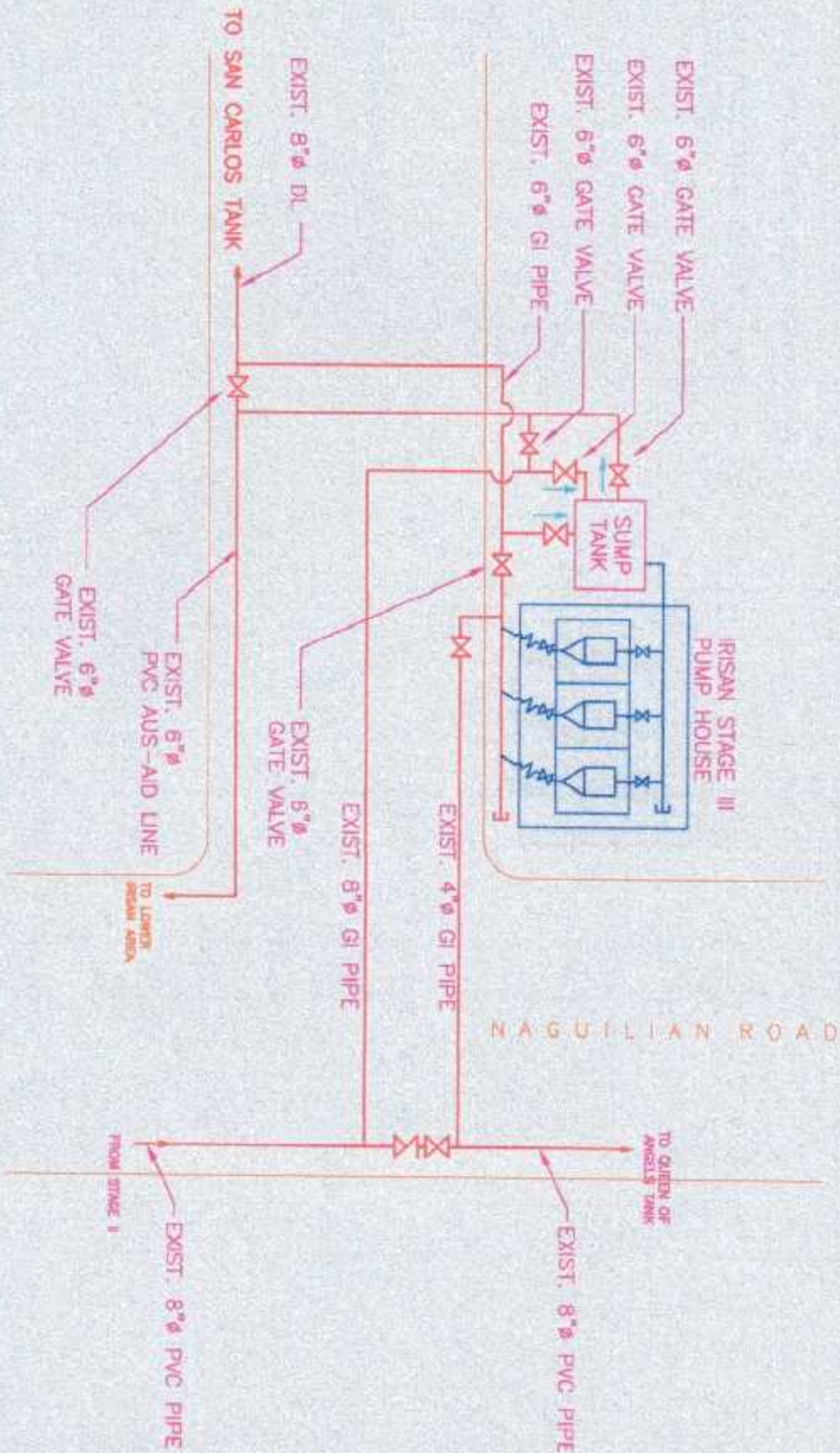
SCALE

N.T.S.

NOTE: PROVIDE THRUST BLOCKS ON ALL INTERCONNECTION POINTS ON SITE



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LINE DIAGRAM AT IRISAN 3 PS (EXISTING)

SCALE:

NTS



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				FILE NAME:	

PROP. 8" GI PIPE, SCH. 40



NET 50

SHEET NUMBER

7

FILE NAME

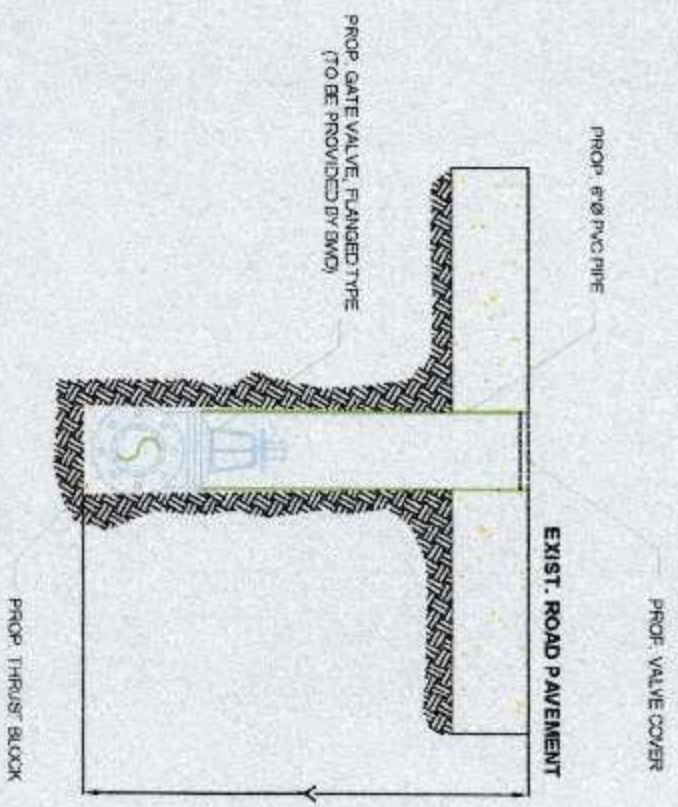


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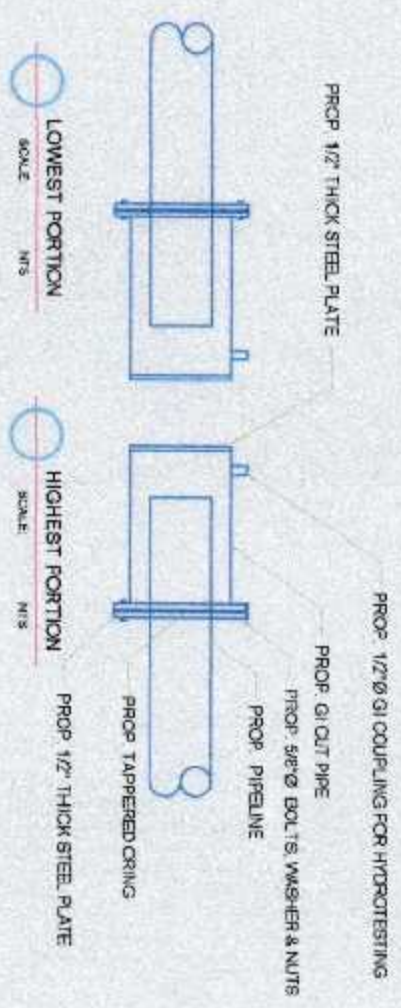
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PROPOSED INSTALLATION OF 8"Ø X 2,560MM
HDPE MAINLINE ALONG SAN CARLOS
HEIGHTS, IRISAN TO MIDDLE QUEZON HILL




TYP. VALVE CHAMBER DETAIL
 SCALE NTS




TYP. HYDROTESTING BULK HEAD DETAIL
 SCALE NTS



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PROJECT TITLE:
PROPOSED INSTALLATION OF 8\"/>

NOTES/REMARKS/CONFORME	SHEET NUMBER
TYPICAL HYDROTESTING BULK HEAD DETAIL	8
TYPICAL VALVE CHAMBER DETAIL	
FILE NAME	