

North

Notes
ABD -Area base Development

Key Plan

LEGEND

	Only Pedestrian Movement, Golf cart provision for people with special needs & senior citizens
	Only 2 wheeler & e-rickshaw movement
	One way movement of all vehicles (4 wheelers & 2 wheelers)
	Two way movement of all vehicles (4 wheelers & 2 wheelers)

Rev	Date	Description	Remark
R1	June-2019	For DPR	
R0	May-2019	For DPR	

Client : **DEHRADUN SMART CITY LIMITED**

Project : **PALTAN BAZAR PEDESTRIANISATION UNDER DEHRADUN SMART CITY PLAN**

Drawing Title : **CIRCULATION OF PALTAN BAZAR**

Project Management Consultant :

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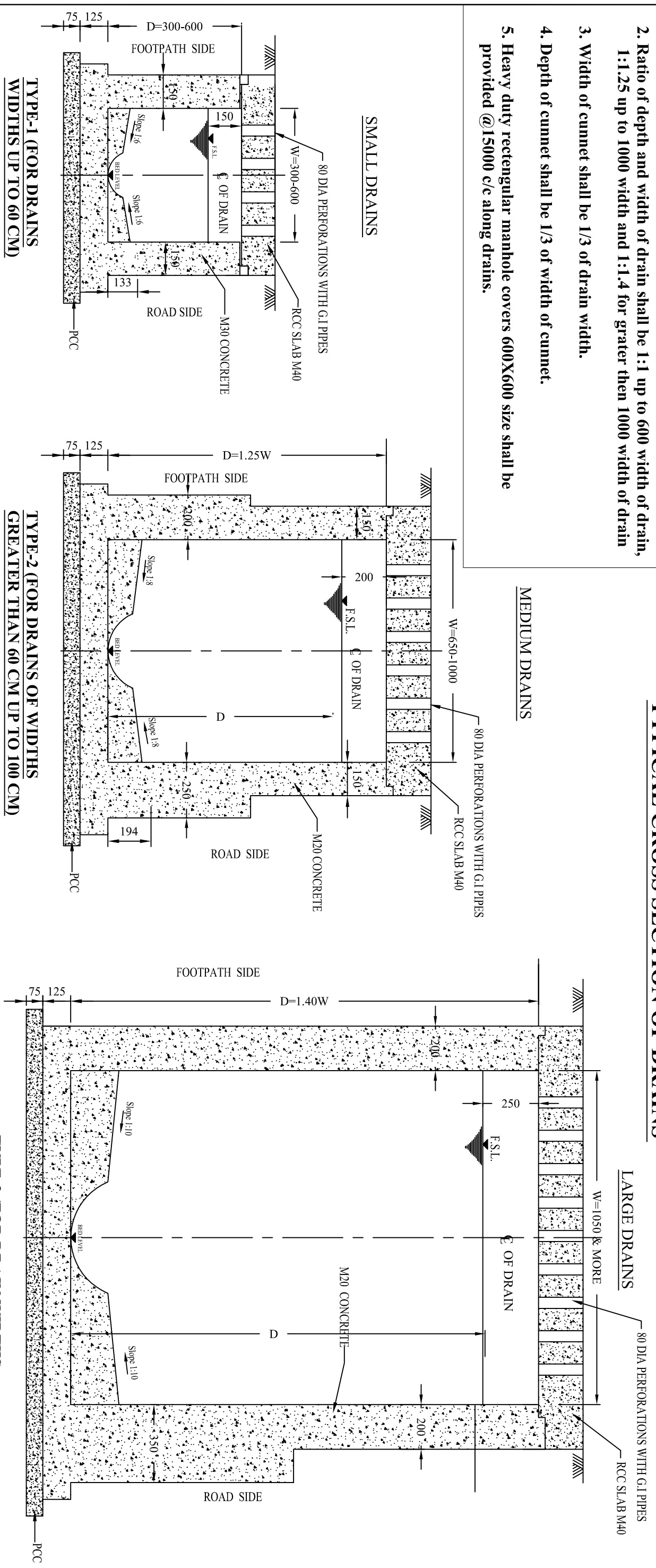
Drawn by: Lopa Mudra Checked by: Lopa Mudra
 Engg Chek: Recommended: Sunil Kumar
 Scale : N.T.S Status: DPR Rev: R0

Drawing No. **DSCL-PMC-AGSL-REPL-PBR-02**

NOTE:-

1. All dimensions are in mm & levels in meters unless otherwise mention.
2. Ratio of depth and width of drain shall be 1:1 up to 600 width of drain, 1:1.25 up to 1000 width and 1:1.4 for greater than 1000 width of drain.
3. Width of cunnet shall be 1/3 of drain width.
4. Depth of cunnet shall be 1/3 of width of cunnet.
5. Heavy duty rectangular manhole covers 600X600 size shall be provided @15000 c/c along drains.

DRAINAGE PROJECT FOR DEHRADUN SMART CITY
TYPICAL CROSS SECTION OF DRAINS



STANDARDIZED SECTIONS

CODE	WIDTH (MM)	DEPTH (MM)
DS-1	300	300
DS-2	350	350
DS-3	400	400
DS-4	450	450
DS-5	500	500
DS-6	550	550
DS-7	600	600

STANDARDIZED SECTIONS

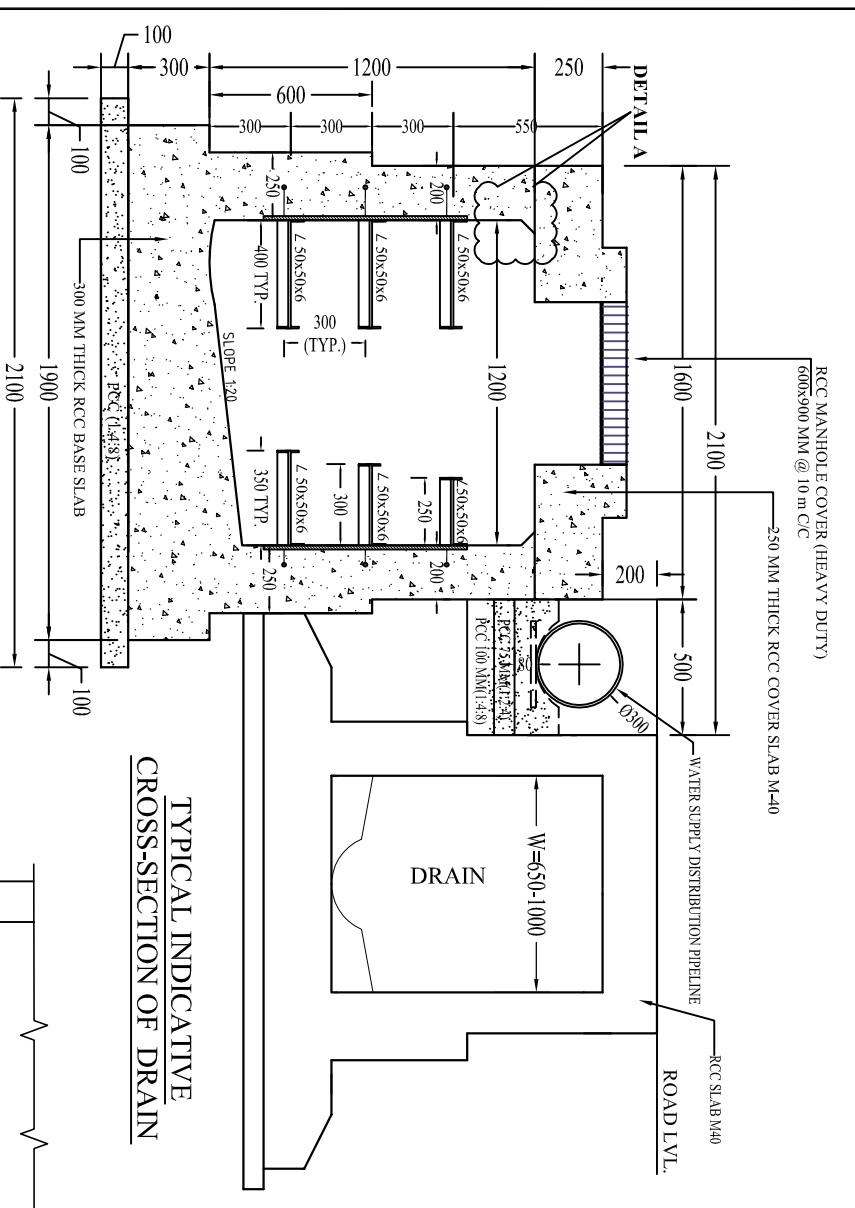
CODE	WIDTH (MM)	DEPTH (MM)
DM-1	700	875
DM-2	800	1000
DM-3	900	1125
DM-4	1000	1250

STANDARDIZED SECTIONS

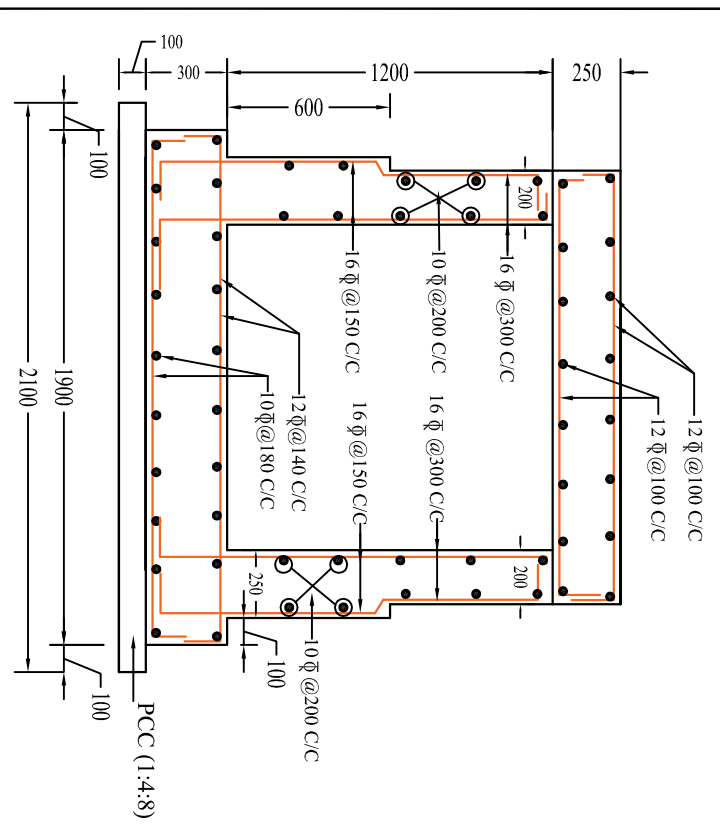
CODE	WIDTH (MM)	DEPTH (MM)
DL-1	1100	1540
DL-2	1200	1680
DL-3	1300	1820
DL-4	1400	1960
DL-5	1500	2100
DL-6	1600	2240

AND SO ON.....

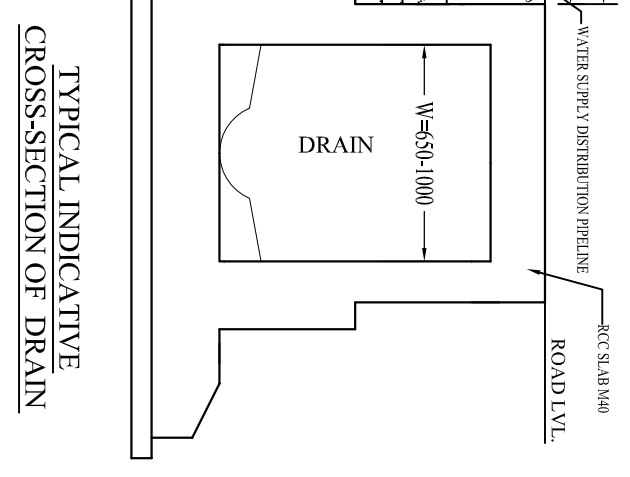
CLIENT:	 DEHRADUN SMART CITY LTD.	ABBREVIATION:- DSCL: Dehradun Smart City Ltd. PMC: Project Management Consultancy DPR: Detail Project Report REPL: Rudrabhishak Enterprises Ltd. AGSL: Almondz Global Securities Ltd. JLT: Jones Lang La Salle	PROJECT MANAGEMENT CONSULTANT:- almondz <i>the infrastructure specialists</i> IN JOINT VENTURE WITH REPL <i>THE POWER OF KNOWLEDGE</i>	PROJECT NAME: PALTAN BAZAR PEDESTRIANISATION	DRAWING TITLE: TYPICAL DETAIL OF CROSS SECTION DRAINS
DATE	REV	DESCRIPTION OF REVISIONS	RECOMMEND BY: SUNIL KUMAR	CHECKED BY: RAVINDRA KUMAR	ENGINEER CHECKED BY: JAI PAL SINGH
May-2019	R0	For DPR	SHEET: A3	SCALE: 1:80	REV: R2
June-2019	R1	For DPR			



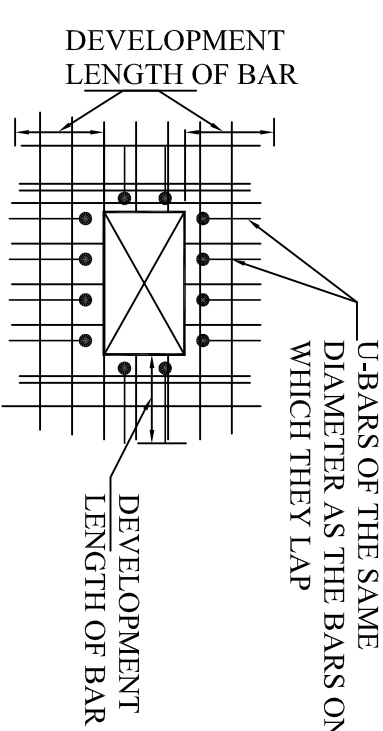
TYPICAL CROSS-SECTION OF DUCT SHOWING G.A.



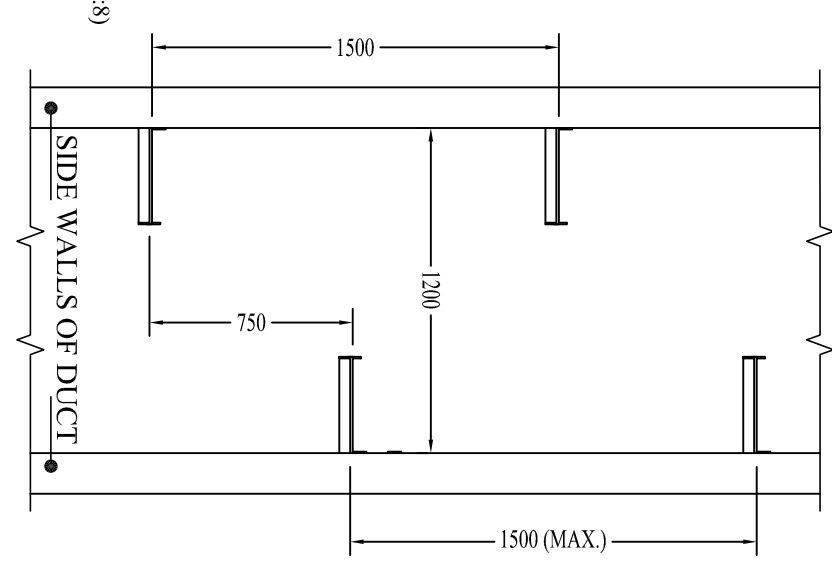
TYPICAL CROSS-SECTION OF DUCT SHOWING R.F.



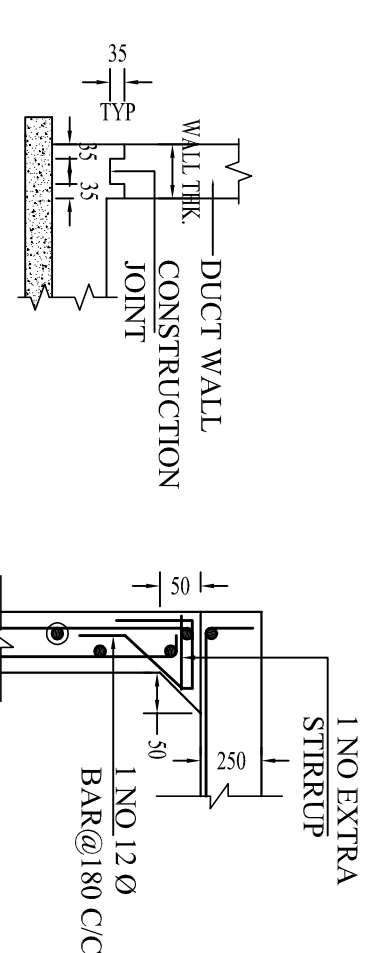
TYPICAL INDICATIVE CROSS-SECTION OF DRAIN



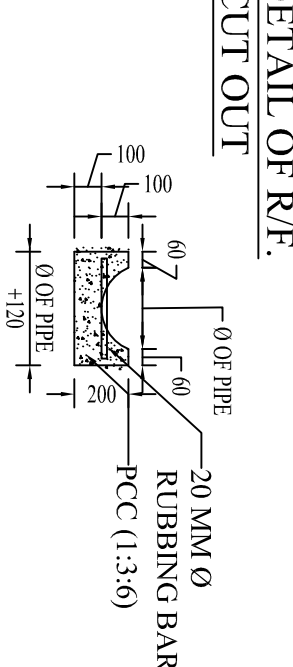
TYPICAL DETAIL OF R/F FOR CUT OUT



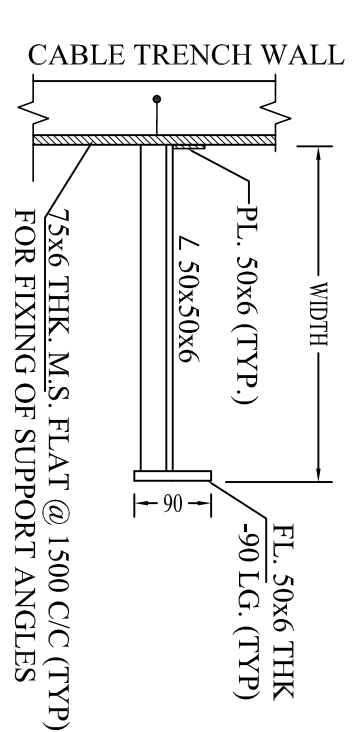
PLAN CABLE TRAY SUPPORT FOR DUCT (COVER NOT SHOWN FOR CLARITY)



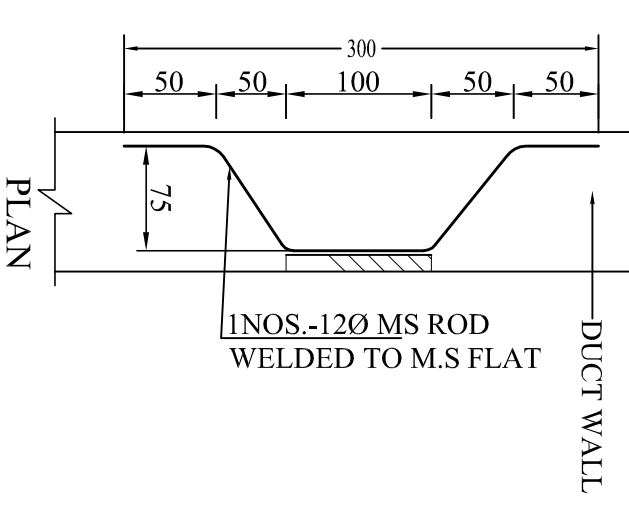
TYPICAL DETAIL OF CONSTRUCTION JOINT



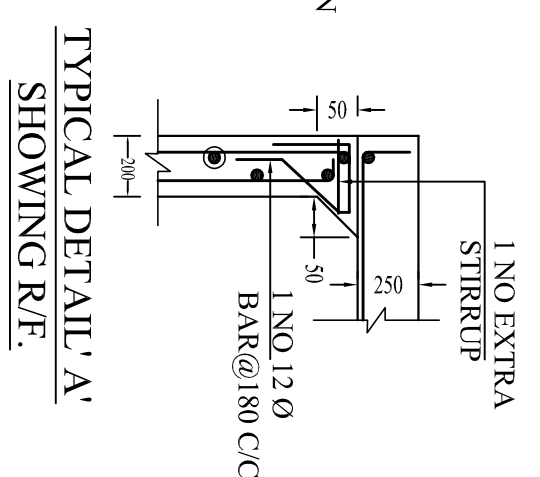
TYPICAL DETAIL OF SADDLE (AT 2.5M C/C)



TYPICAL CABLE SUPPORT



TYP. FIXING DETAIL OF M.S. FLAT (INSERT PLATE)

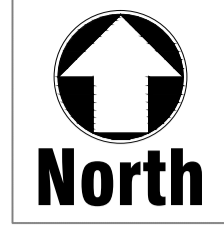
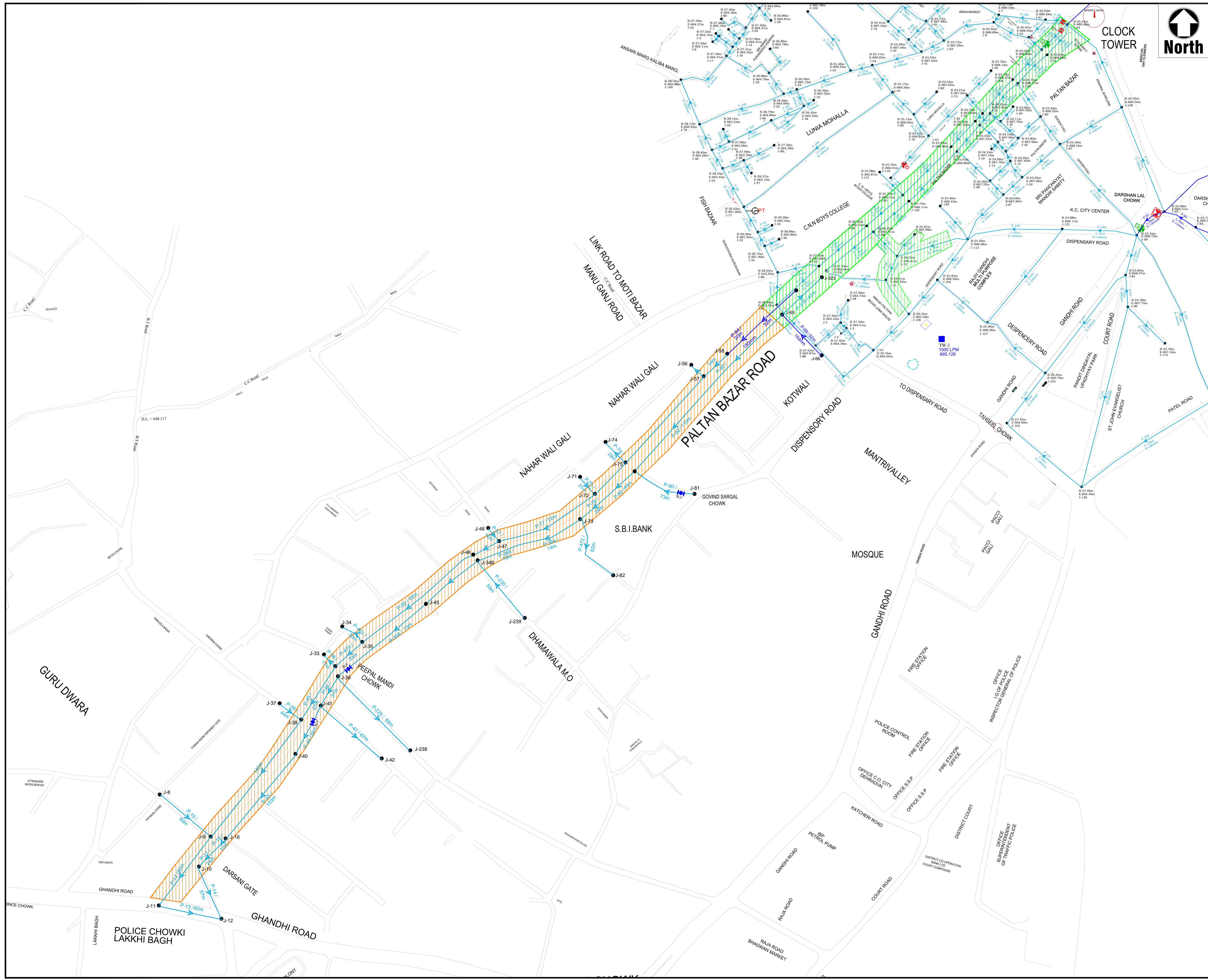


TYPICAL DETAIL 'A' SHOWING R/F.

- NOTES:**
1. ALL DIMENSIONS ARE IN MM & LEVELS IN METERS UNLESS OTHERWISE MENTIONED.
 2. TOP OF THE SLAB SHALL BE 0.50M FROM THE FOOTPATH LEVEL.
 3. CONCRETE GRADE SHALL BE M30 FOR DUCT WALL & BASE SLAB, M40 FOR TOP SLAB AS PER IS-456 & REINFORCEMENT STEEL OF GRADE Fe 500 AS PER IS-1786. FACTORY TESTED, SITE TESTED BY CLIENT & AS PER APPROVED REVISED VENDORS.
 4. LAP LENGTH/DEVELOPMENT SHALL BE 42 TIMES THE DIAMETER OF BAR.
 5. CLEAR COVER TO ALL REINFORCEMENT SHALL BE AS BELOW:
 - a) FOR BASE SLAB : TOP & SIDES = 25MM.
 - b) FOR WALLS & BOTTOM SLAB FACING EARTH = 40MM.
 - c) FOR COVER SLAB = 15MM.
 - d) FOR BASE SLAB : BOTTOM = 40MM.
 6. THICKNESS OF STEEL COVER PLATE SHALL BE 3 MM.
 7. NATIVE SOIL FOUND BENEATH THE PCC BELOW BASE R.C.C. SLAB SHALL BE COMPACTED TO ACHIEVE A DEGREE OF COMPACTION AT LEAST 97% WITH RESPECT TO LABORATORY MAXIMUM DRY DENSITY (MDD). NATIVE SOIL SHALL BE ABLE TO PRODUCE MDD OF AT LEAST 1.60 GRAM/CUBIC CENTIMETER. SHOULD NATIVE SOIL IS FOUND TO HAVE SUBSTANTIAL AMOUNT OF CLAY MINERALS, THEY MAY BE REPLACED WITH A BETTER QUALITY OF SOIL HAVING MDD OF AT LEAST 1.60 GRAM/CUBIC CENTIMETER.
 8. CABLE TRAY ON TOP OF THE CABLE SUPPORT SHALL BE OF FRP SHEET (FIBER REINFORCEMENT PLASTIC), 5 MM THICK
 9. MAX. THK. OF SCREED PLASTER SHALL BE 25MM.
 10. LIFTING EYES SHALL BE PROVIDED IN EVERY MANHOLE FOR COVER SLAB.
 11. ALL HOOKS/BENDS, LAPS AND SPLICES SHALL BE AS PER IS-456(LATEST) & IS-2502 (LATEST) UNLESS NOTED OTHERWISE.
 12. NECESSARY OPENING SHALL BE PROVIDED USING 150 NB P.V.C PIPE SLEEVES AT APPROPRIATE LOCATION TO TAKE OUT CABLE.
 13. EXPANSION JOINTS WILL BE PROVIDED IN WALL & SLAB AT THE INTERVAL 25M C/C.
 14. NOT MORE THAN 50% BAR SHALL BE LAPPED AT ANY SECTION & LAP SHALL BE STAGGERED.
 15. THIS DRAWING SHOULD READ IN CONJUNCTION WITH **DSCIL-PMC-AGSL-REPL-PB-G-05**

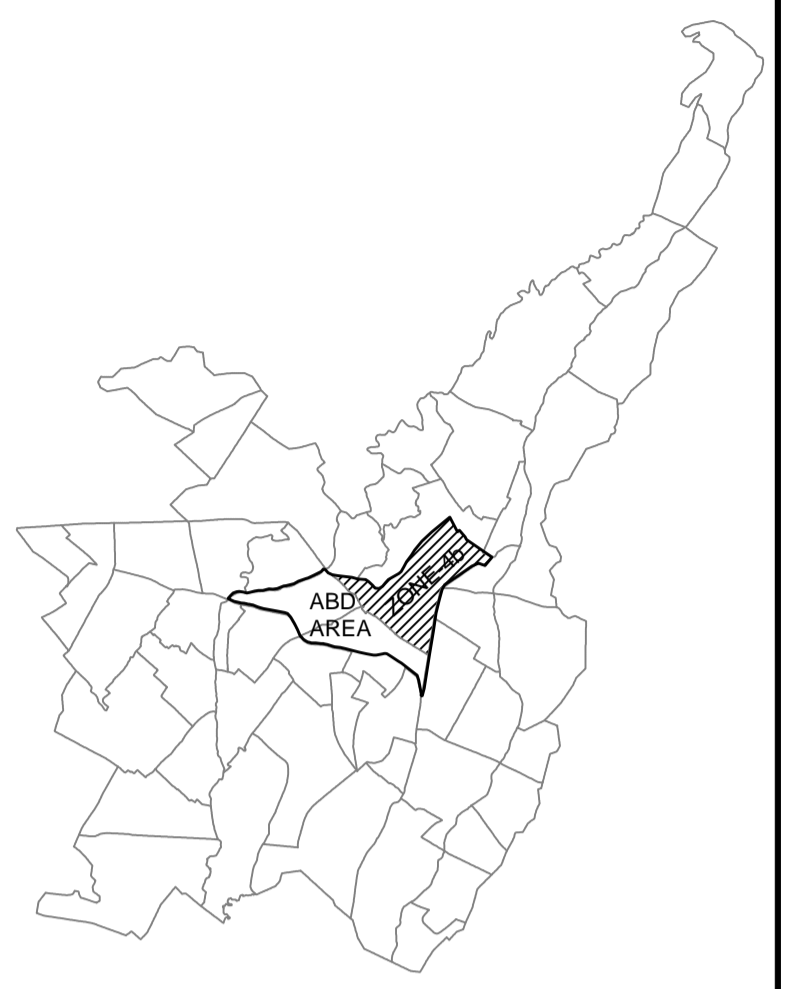
RECOMMEND BY:	SUNIL KUMAR	PROJECT NAME:	PALTAN BAZAR PEDESTRIANISATION
CHECKED BY:	RAVINDRA KUMAR	DRAWING TITLE:	DETAIL OF DUCT AT PALTAN BAZAR ROAD (1.60M WIDTH)
ENG. CHECKED:		DRG. NO.	DSCIL-PMC-AGSL-REPL-PB-G-05
DRAWN BY:	JAPAL SINGH	SCALE	1:50
SHEET:	A3	REV.	R1

CLIENT:	REMARK:	PROJECT MANAGEMENT CONSULTANT:
<p>Dehradun Smart City Ltd. (DSCIL)</p>		<p>almondz VENTURE WITH</p>
<p>REPL</p>		<p>Rudrabhishek Enterprises Ltd.</p>
<p>June-2019 R1 FOR DPR ONLY</p> <p>May-2019 R0 FOR DPR ONLY</p>		<p>Corporate / Registered Office F-3/3 Okhla Industrial Area Phase-II, New Delhi-110020, INDIA +91-011-43500700 - 800 +91-011-4350073</p> <p>Address: 1110, Ashoka Estate, Bhaukumbha Road, Connaught Place, New Delhi, Delhi 110001</p> <p>Phone: +91 120 4022359 Fax: +91 120 4022301 Website: www.replurbanplanners.com</p>
DATE	REV	DESCRIPTION OF REVISIONS

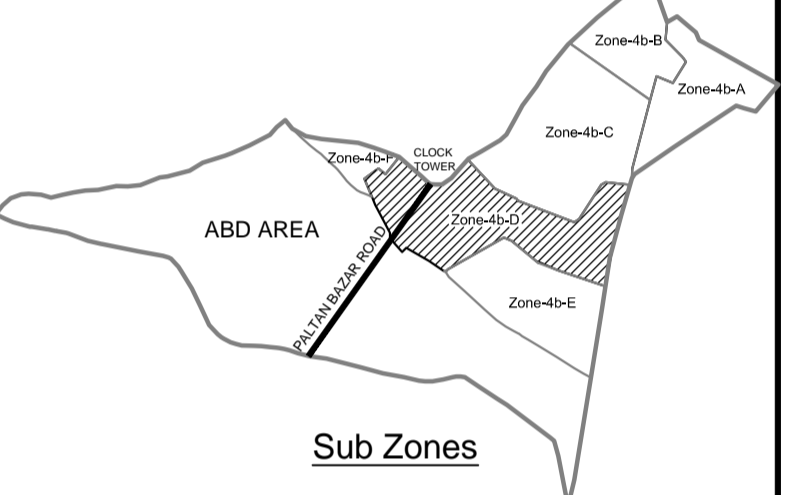


Notes
ABD Area base Development

Key Plan



Key to symbols



Sub Zones

Pipe Details :-

100 mm dia pipe	
150 mm dia pipe	
200 mm dia pipe	
250 mm dia pipe	
300 mm dia pipe	

LEGEND

LEGEND		LEGEND	
	OVER HEAD TANK		PRESSURE HEAD
	SLUICE VALVE		GROUND ELEVATION
	DISTRICT WATER METER		PIPE JUNCTION NUMBER
	BULK WATER METER		L= PIPE LENGTH
	SCOUR VALVE		D= PIPE DIA
	AIR VALVE		P= PIPE NUMBER
	FIRE HYDRANT		PRESSURE TRANSMITTER
	TUBE WELL		

PROPOSED UNDER SMART CITY MISSION
ALREADY EXECUTED BY USDISP

Detail of Valve Zone-4b - (Paltan Bazar Road)

Sl No	Pipe No	From Node	To Node	Type of Valve	Dia of Pipe (mm)	Dia of Valve (mm)	Description
1	P86	J51	J61	SV	100	100	Sluice Valve
2	P86	J51	J61	DM	100	100	District Water Meter

Rev	Date	Description	Remark
R1	June-2019	For DPR	
RO	May-2019	For DPR	

Client : **DEHRADUN SMART CITY LIMITED**

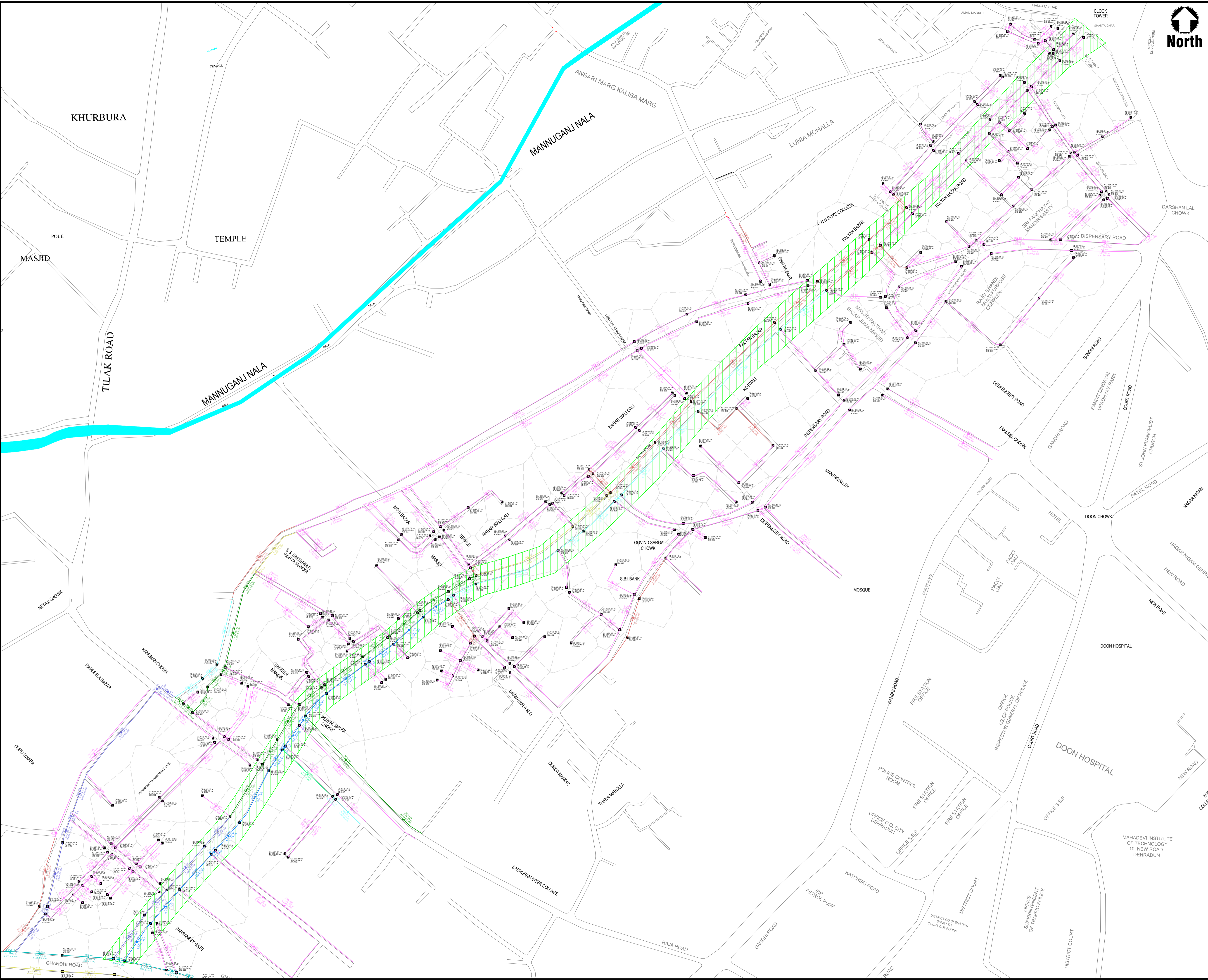
Project : **WATER SUPPLY OF ABD AREA OF DEHRADUN SMART CITY UNDER SMART CITY MISSION DEHRADUN**

Drawing Title : **LAYOUT PLAN OF WATER SUPPLY DISTRIBUTION NETWORK (PALTAN BAZAR ROAD)**

Project Management Consultant :

Corporate / Registered Office F-5/3 Midha Industrial Area Phase-II, New Delhi-110029 Phone: +91-11-4560787-800 INBA-01/01-4560787-800 91-011-4158073	Dehradun/Registered Office (An ISO 9001:2008 Certified Company) A-5/Sec-23, Noida, U.P. 201301 Phone: +91 120 4022399 Fax: +91 120 4022391 Website: www.replindia.com	Address: 1110, Ashoka Estate, Bharatnagar Road, Connaught Place, New Delhi, Delhi 110001

Drawn by:	Jaipal Singh	Checked by:	Ravindra Kumar
Engg Check:	M.Kamboj	Recommended:	Sunil Kumar
Scale :	Status: DPR	Rev:	R1
Drawing Number	DSCL-PMC-AGSL-REPL-PBR-03		



Notes
 ABD - Area base Development

Key Plan

Key to symbols

LEGEND

Drain Details :-

300x300 mm	Red line
350x350 mm	Orange line
400x400 mm	Yellow line
450x450 mm	Light Green line
500x500 mm	Green line
550x550 mm	Dark Green line
600x600 mm	Blue line
700x875 mm	Light Blue line
800x1000 mm	Dark Blue line
900x1125 mm	Light Purple line
1000x1250 mm	Blue line
1100x1540 mm	Light Blue line
1200x1680 mm	Dark Blue line
1300x1820 mm	Light Purple line

OUT FALL
 JUNCTION / NODE
 CATCHMENTS BOUNDARY
 RIVER

PALTAN BAZAR DRAINAGE SYSTEM

R1	June-2019	For DPR	
R0	May-2019	For DPR	
Rev	Date	Description	Remark

Client : **DEHRADUN SMART CITY LIMITED**

Project : **PALTAN BAZAR PREDESTINATION UNDER SMART CITY MISSION DEHRADUN**

Drawing Title : **LAYOUT PLAN OF DRAINAGE SYSTEM ALONG PALTAN BAZAR ROAD**

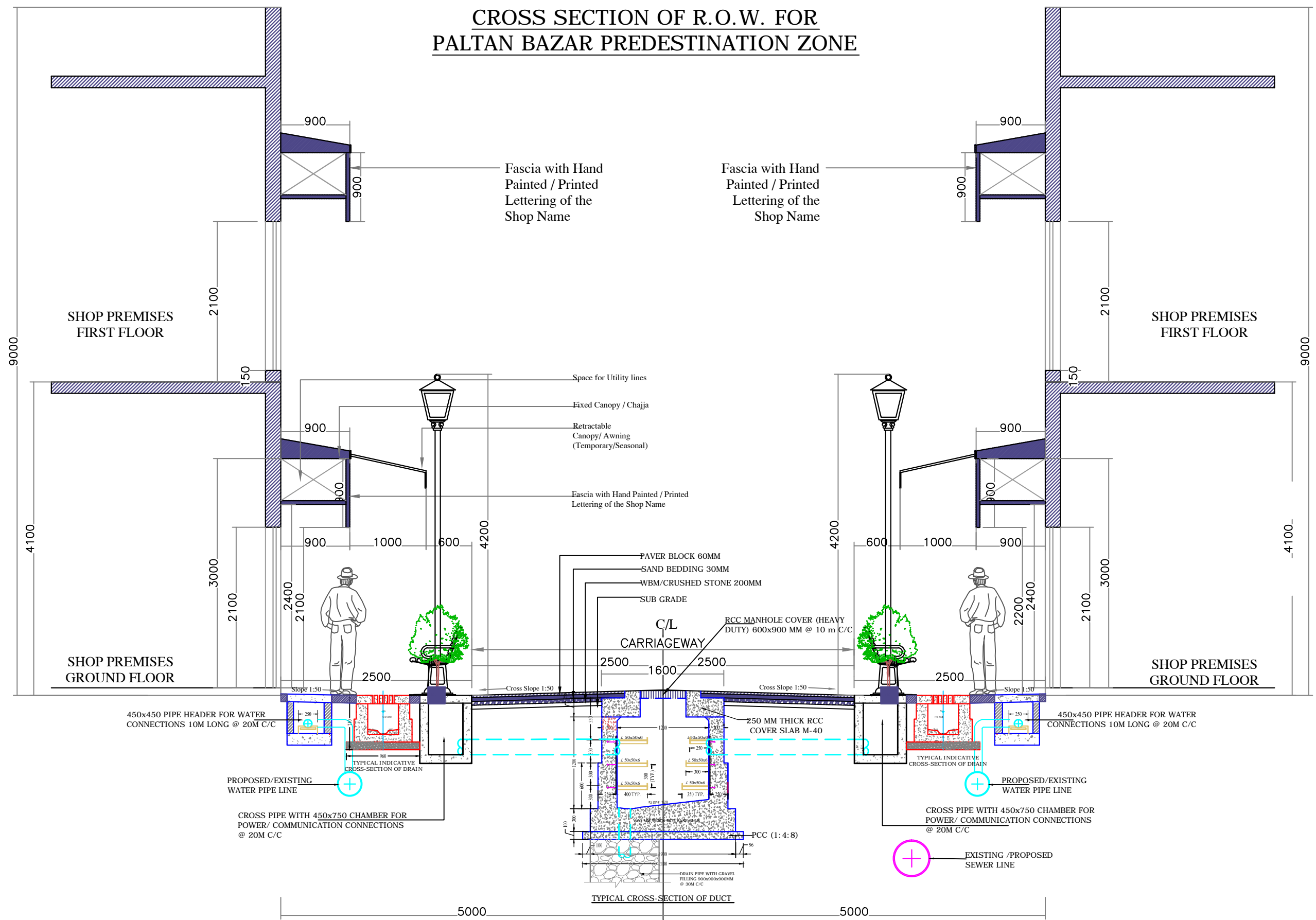
Project Management Consultant :

almondz Corporate / Registered Office F-3/3 Okhla Industrial Area Phase-II, New Delhi-110029 INDIA +91-11-4350070-800 +91-011-4350073	REPL Rudrabhobh Enterprises Ltd. (An ISO 9001:2008 Certified Company) A-6, Sector-5, Noida, U.P. 201301 Phone: +91 120 4022359 Fax: +91 120 4022360 Website: www.replindia.com	JLL Address: 1110, Asoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001
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Drawn by:	Jaipal Singh	Checked by:	Ravindra Kumar
Engg Check:	P.K Singh	Recommended:	Sunil Kumar
Scale :	N.T.S	Status:	DPR
Drawing No.		Rev:	R1

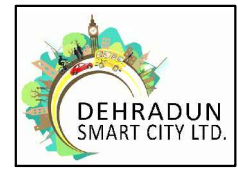
DSCL-PMC-AGSL-REPL-DRAINAGE-03

CROSS SECTION OF R.O.W. FOR PALTAN BAZAR PREDESTINATION ZONE



28-05-2019	R0	FOR DPR ONLY
DATE	REV	DESCRIPTION OF REVISIONS

CLIENT:



Dehradun Smart City Ltd. (DSCL)

NOTE:

PROJECT MANAGEMENT CONSULTANT:



Corporate / Registered Office
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RECOMMEND BY:	SUNIL KUMAR
CHECKED BY:	RAVINDRA KUMAR
ENGG. CHECKED:	LOPA MUDRA
DRAWN BY:	JAIPAL SINGH
SHEET:	A3
SCALE:	1:50
REV:	R0

PROJECT NAME:	PALTAN BAZAR PEDESTRIANISATION
DRAWING TITLE:	INDICATIVE CROSS SECTION OF R.O.W. SHOWING SERVICES
DRG. NO.	DSCL-PMC-AGSL-REPL-PB-G-03



North

Notes
ABD - Area base Development

Key Plan

LEGEND

Rev	Date	Description	Remark
R1	June-2019	For DPR	
R0	May-2019	For DPR	

Client : **DEHRADUN SMART CITY LIMITED**

Project : **PALTAN BAZAR PEDESTRIANISATION UNDER DEHRADUN SMART CITY PLAN**

Drawing Title : **LAYOUT PLAN OF PALTAN BAZAR ROAD**

Project Management Consultant :

almondz
Corporate / Registered Office
F-3/3 Okhla Industrial Area
New Delhi-110025
Phone: +91 11 43500700
Fax: +91 11 4350073

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Phone: +91 120 4023359
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Website: www.repl.com

JLL
Address: 1110, Ashoka Estate,
Barakhamba Road, Connaught
Place, New Delhi, Delhi 110001

Drawn by:	Lopa Mudra	Checked by:	Lopa Mudra
Engg. Check:		Recommended:	Sunil Kumar
Scale :	N.T.S	Status:	DPR
Drawing No.	DSCL-PMC-AGSL-REPL-PBR-01		