





POLE GROUTING PIT IN EXHIBITION AREA

CLIENT:  Dehradun Smart City Ltd. (DSCL)	PROJECT MANAGEMENT CONSULTANT:  almondz IN JOINT VENTURE WITH  REPL The Power of Knowledge Rudrabhishek Enterprises Ltd. (An ISO 9001:2008 Certified Company) A-6, Sec-58, Noida, U.P-201301 Phone: +91 120 4022359 Fax: +91 120 4022301 Website: www.replurbanplanners.com	RECOED BY: SUNIL KUMAR	PROJECT: PARADE GROUND REJUVENATION UNDER SMART CITY MISSION DEHRADUN	
		CHECKED BY: LOPA MUDRA	DRAWING TITLE: TYPICAL PLAN POLE GROUTING PIT IN EXHIBITION AREA	
Corporate / Registered Office F-33/3 Okhla Industrial Area Phase-II, New Delhi-110020, INDIA +91-011-43500700 - 800 +91-011-4350073 Address: 1110, Ashoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001		ENGG. CHEK: PRAVEEN BISHT	DRAWN BY: JAIPAL SINGH	
		STATUS: DPR	SCALE: 1:750	REV. R0



Measurement for area for grass paver and granite steps

-Parade Ground

Name	Area	for kerb (outer)	mid1	mid2	Riser	Tread
GP1	175	57.2	60.44	-	17.566	26.469
GP2	83.32	58.8	-	-	-	-
GP3	134.6	54.9	-	-	-	-
GP4	695.836	381.28	-	-	-	-
GP5	140.61	65.9	-	-	-	-
GP6	38.7	27.8	32.3	-	9.015	13.5225
GP7	22.67	21.3	-	-	-	-
GP8	74.72	43.8	-	-	-	-
GP9	5.95	10.14	13.94	-	3.612	5.415
GP10	10.14	13.2	21.72	-	4.344	6.516
GP11	19	20.37	21.72	-	6.312	9.468
GP12	14.1	16.21	17.64	-	5.072	7.608
GP13	4.8	30.1	34.2	-	9.72	14.58
GP14	24.7	21.6	35.7	-	7.956	10.9428
GP15	2.75	24.4	29.3	-	8.052	12.0822
GP16	142	58.62	29.1	-	8.1515	12.2225
GP17	34.94	25.31	38.1	34.3	30.48	45.68263
GP19	88.9218	349.1	-	-	-	-
GP21	296.31	170	-	-	-	-
GP22	1258.4	149.74	-	-	-	-
GP24	2092.443	210.06	-	-	-	-
GP25	918.3	131.64	-	-	-	-
GP26	82.75	58.78	-	-	-	-
GP27	82.42	115.3	-	-	-	-
Total Area for Grass Paver	8162.211	-	-	-	-	-
Total Granite in steps	-	-	-	98.448	162.2329	250.688075

Measurement for area for Granite -Parade Ground

Granite Areas (denoted by X)

Name	Area	Perimeter	outer	mid	riser	tread
X1	59.1	31.5	38.5	35	15.75	31.5
X2	22.7	21.2	-	-	-	-
X3	7.6	13.1	18.2	-	4.695	7.0425
X4	23.1	21.98	-	-	-	-
X5	8.72	13.6	18.3	-	4.785	7.1775
X6	12.74	18.22	18.3	-	-	-
X7	11.1	15.83	-	-	-	-
X8	8.72	13.54	18.3	-	4.776	7.164
X9	41.82	31.9	35.6	-	10.125	15.1875
X10	106.515	42.5	-	-	-	-
X11	658.9	152	-	-	-	-
X12	36	24	-	-	-	-
X13	160.47	104	-	-	-	-
Total	1157.485	-	-	40.131	68.0715	1265.688

Measurement for area for grass and granite steps in that Area

-Parade Ground

Name	Area	for kerb stone (outer)	mid	RISER	TREAD	for Granite Area
G1	116	45	32	-	-	13.5
G2	44	28	22	-	-	9
G3	19.5939	18.2	22	-	-	6.48
G4	11.17035	18.7	18.5	13.2	7.755	11.88
G5	13.62	20	27	-	-	7.5
G6	2.22	29	27	-	-	11.25
G7	3.6	14	14	-	-	3.45
G8	12.6	16.6	21	-	-	5.64
G9	24	24	28.3	25	11.145	22.5
G10	18.8	24.3	28	28	12.555	26.2
G11	4.6	14.2	17.1	-	-	5.445
G12	12.35	16.69	21	52	23.01	46.8
G13	46.2	45.4	56	52	40.875	84.675
G14	27.2	22.5	29	26	11.625	23.4
G15	26.7	21.5	27	24.2	10.905	21.78
G16	5	11.5	15.65	-	-	4.0725
G17	34.94	25.31	30	8.235	12.4875	21.78
G18	32.5	26	30	-	-	12.6
G19	13	19.5	26.5	23	10.35	20.7
G20	56.7	36	40	-	-	11.4
G21	182	36	40	-	-	11.4
G22	1.3	46	49.6	-	-	14.34
G23	63.5	33.5	41.4	37.42	16.848	33.678
G24	29.7	24.3	28.3	24.5	10.995	22.05
G25	29.7	24.3	28.2	28.2	12.705	25.38
G26	27.6	22	25.6	-	-	7.14
G27	11.7	15.9	19.2	-	-	10.71
G28	32.8	29	32.3	-	-	19.195
G29	194	72	94	-	-	40.695
G30	7.2	11.4	15.1	-	-	3.975
G31	3.3	23.6	27.3	-	-	11.4525
G32	13.1	19.8	29.2	-	-	7.35
G33	46.7	43.6	51.2	34.2	15.405	30.78
G34	111.3	43.6	47.4	21.33	42.66	42.66
G35	35.3	38.6	-	-	-	-
G36	44.1	27	34.4	-	-	27.63
G37	413.1012	72.0316	-	-	-	-
G38	923.5	165	-	-	-	-
G39	819.5	189.3	-	-	-	-
G40	95.5	69.5	-	-	-	-
G42	83.9	61.9	-	-	-	-
G43	52.2	63	-	-	-	-
G44	751.4676	97.1316	-	-	-	-
G45	68	58	-	-	-	-
G46	1073	145	-	-	-	-
G47	987	132	-	-	-	-
G48	1306.1	144.6	-	-	-	-
G49	772.5	127.3	-	-	-	-
G50	528	330	-	-	-	-
G51	203.7	67.4	-	-	-	-
G52	32.2	52.6	-	-	-	-
G53	100	88	-	-	-	-
G54	284.23	140.8	-	-	-	-
G55	1144	176	-	-	-	-
G56	333.6	115.4	-	-	-	-
G58	1004.8	295.4	-	-	-	-
G59	1259	312.9	-	-	-	-
G60	2690	964.8	-	-	-	-
G61	5920.157	314.2	-	-	-	-
G62	2010.838	188.16	-	-	-	-
Total	7930.994	-	933.881	-	-	-

Measurement for pathway paving block

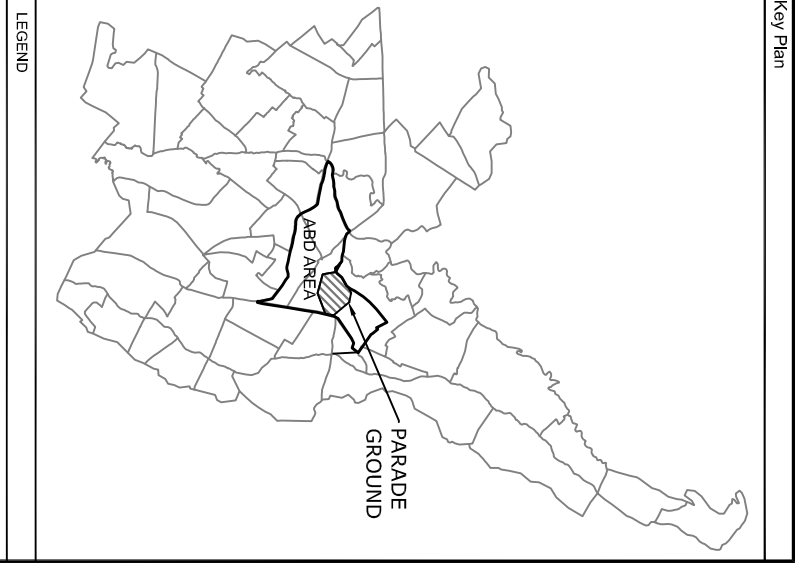
-Parade Ground

Name	Area	for kerb stone (outer)	mid	RISER	TREAD	for Granite Area
PV1	142	2.97	421.74	-	-	284
ABOVE PV1	19.35	3.27	63.2823	-	-	-
ABOVE PV1	19.35	1.81	54.8873	-	-	-
PV2	84.1	1.5	102.13	-	-	82
PV3	-	-	260.83	-	-	78.2
PV4	1.78	3.69	656.82	-	-	356
PV5	-	-	1222.09	-	-	655
PV6	1.9	6.075	577.125	-	-	183.04
PV7	52.7	1.81	96.441	-	-	-
PV7	52.28	1.86	97.1478	-	-	-
PV7	11.26	2.25	77.035	-	-	-
PV7	3.27	36.721	-	-	-	-
PV7	51.09	1.8	91.854	-	-	-
PV8	13.2	2.25	29.7	-	-	-
PV8	34.34	10	34.34	-	-	68.68
PV9	9.85	6.55	64.5175	-	-	338
PV9	1.65	1.4	231	-	-	228
PV9	83.72	3	251.16	-	-	167.44
PV9	37.4	1.5	56.1	-	-	74.8
Inside Cycle Track	120.56	3	361.68	-	-	241.12
TOTAL	43.51	7.35	319.7985	-	-	-

Measurement for pathway paving block

-Parade Ground

Name	Area	for kerb stone (outer)	mid	RISER	TREAD	for Granite Area
PV1	142	2.97	421.74	-	-	284
ABOVE PV1	19.35	3.27	63.2823	-	-	-
ABOVE PV1	19.35	1.81	54.8873	-	-	-
PV2	84.1	1.5	102.13	-	-	82
PV3	-	-	260.83	-	-	78.2
PV4	1.78	3.69	656.82	-	-	356
PV5	-	-	1222.09	-	-	655
PV6	1.9	6.075	577.125	-	-	183.04
PV7	52.7	1.81	96.441	-	-	-
PV7	52.28	1.86	97.1478	-	-	-
PV7	11.26	2.25	77.035	-	-	-
PV7	3.27	36.721	-	-	-	-
PV7	51.09	1.8	91.854	-	-	-
PV8	13.2	2.25	29.7	-	-	-
PV8	34.34	10	34.34	-	-	68.68
PV9	9.85	6.55	64.5175	-	-	338
PV9	1.65	1.4	231	-	-	228
PV9	83.72	3	251.16	-	-	167.44
PV9	37.4	1.5	56.1	-	-	74.8
Inside Cycle Track	120.56	3	361.68	-	-	241.12
TOTAL	43.51	7.35	319.7985	-	-	-



LEGEND

Symbol	Description
[Blue square]	TELEPHONE POLE
[Green square]	TRANSFORMER
[Red square]	PEPAL TREE
[Green circle]	KICKER
[Green circle]	BAMBOO TREE
[Green circle]	DRAGONER
[Green circle]	TEMPLE
[Green circle]	FENCE
[Green circle]	SAFETY TANK
[Green circle]	ROAD SLOPER LINE
[Green circle]	SIGNS BOARD
[Green circle]	WATER TANK

DEHRADUN SMART CITY LIMITED

PARADE GROUND RENOVATION UNDER DEHRADUN SMART CITY PLAN

LAYOUT PLAN OF PARADE GROUND RENOVATION AREA CALCULATION

Rev.	Date	Description	Remark
R1	July-2019	For DPR	
R1	June-2019	For DPR	
R0	June-2019	For DPR	

Project Management Consultant :

almondz **REPT** **JLL**

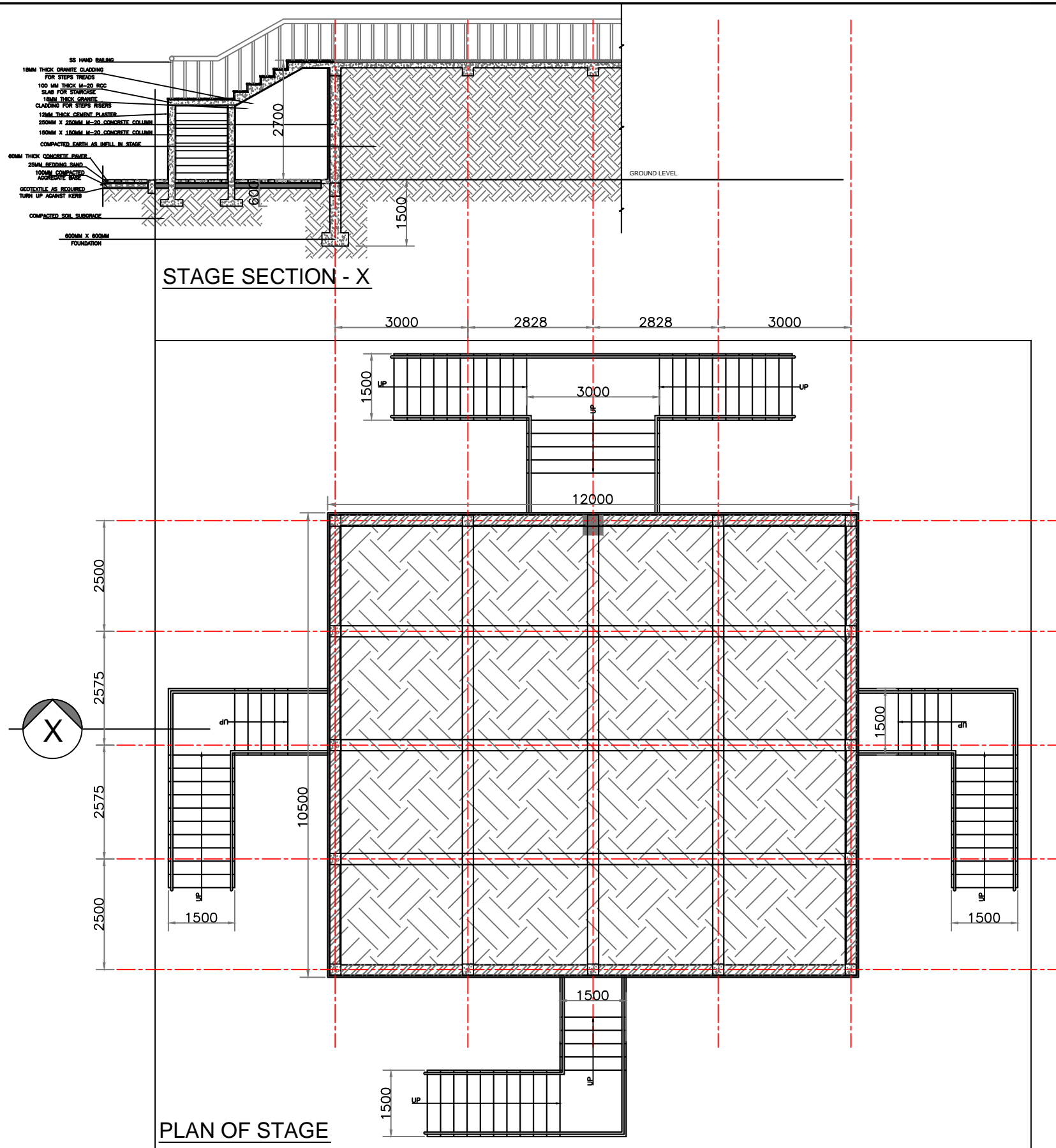
Client : **DEHRADUN SMART CITY LIMITED**

Drawn By : Logendra Kumar
 Checked By : Logendra Kumar
 Engg. Check :
 Scale : N.T.S.
 Status: DPR
 Row: R2

LEGEND

[Green square]	MORIS (MODULAR TRIBLE STRUCTURE)
[Green square]	TREE GLAND
[Green square]	SCULPTURE
[Green square]	SURFACE FINISHES
[Green square]	ROAD
[Green square]	INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 1)
[Green square]	INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 2)
[Green square]	INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 3)
[Green square]	FOLISHED GRANITE PAVING
[Green square]	GRASS PAVERS
[Green square]	LAWN (DOOR GRASS)
[Green square]	LAWN (TURF GRASS)

Drawing No. **DSC-L-PMC-AGS-L-REPL-PG-05**



May -2019	R0	For DPR
DATE	REV	DESCRIPTION OF REVISIONS

CLIENT:

Dehradun Smart City Ltd. (DSCL)

REMARK:

PROJECT MANAGEMENT CONSULTANT:

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Phase-II, New Delhi-110020, INDIA
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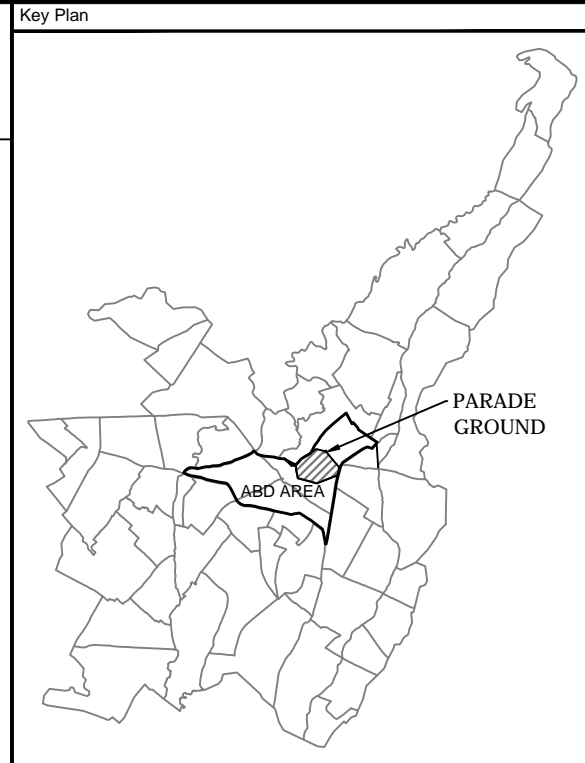
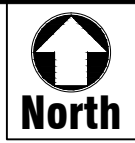
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RECOMMENDED BY:	SUNIL KUMAR
CHECKED BY:	LOPA MUDRA
DESIGN BY :	LOPA MUDRA
DRAWN BY:	LOPA MUDRA
SHEET :	A3
SCALE	NTS
REV.	R0

DRAWING TITLE :

VIP STAGE
(PARADE GROUND)

DRG. NO.
DSCL-PMC-AGSL-REPL-PG-03



LEGEND

TELEPHONE POLE	
TRANSFORMER	
PIPAL TREE	
KIOSK	
BAMBOO TREE	
DIVIDER	
TEMPLE	
FENCE	
GATE	
SAFETY TANK	
ROAD CENTER LINE	
SIGNS BOARD	
WATER TANK	

KIOSKS (MODULAR TENSILE STRUCTURE)	
TREE GUARD	
SCULPTURE	
SURFACE FINISHES	
ROAD	
INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 1)	
INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 2)	
INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 3)	
POLISHED GRANITE PAVING	
GRASS PAVERS	
LAWN (DOOB GRASS)	
LAWN (TURF GRASS)	

Rev	Date	Description	Remark
R2	July-2019	For DPR	
R1	June-2019	For DPR	
R0	June-2019	For DPR	

Client : **DEHRADUN SMART CITY LIMITED**

Project: **PARADE GROUND REJUVENATION UNDER DEHRADUN SMART CITY PLAN**

Drawing Title: **LAYOUT PLAN OF PARADE GROUND REJUVENATION**

Project Management Consultant :

<small>Corporate / Registered Office F-3/3 Okhla Industrial Area Phase-II, New Delhi-110029 INDIA +91-11-4350070-800 +91-11-4350073</small>	<small>Rudrabhosh Enterprises Ltd. (An ISO 9001:2008 Certified Company) A-4, Sector-28, Noida, U.P. 201301 Phone: +91 120 4022359 Fax: +91 120 4022361 Website: www.repl.com</small>	<small>Address: 1110, Ashoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001</small>

Drawn by:	Lopa Mudra	Checked by:	Lopa Mudra
Engg Chek:		Recommended:	Sunil Kumar
Scale :	N.T.S	Status:	DPR
Drawing No.		Rev.	R2

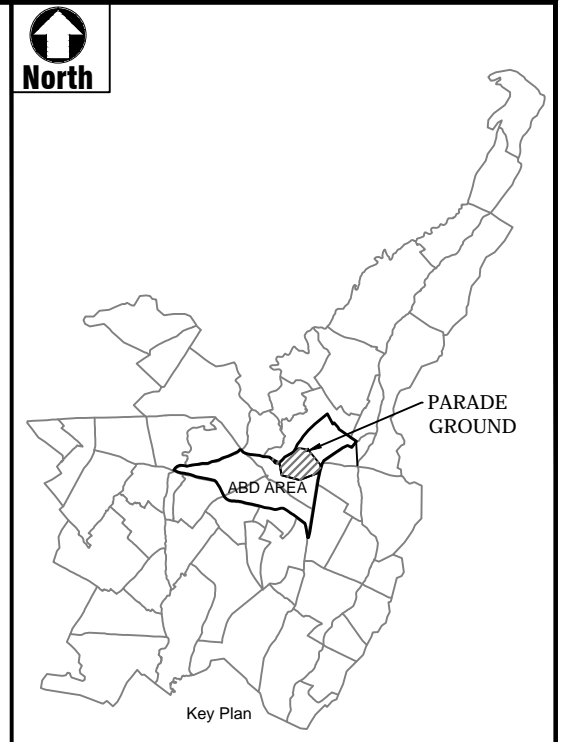
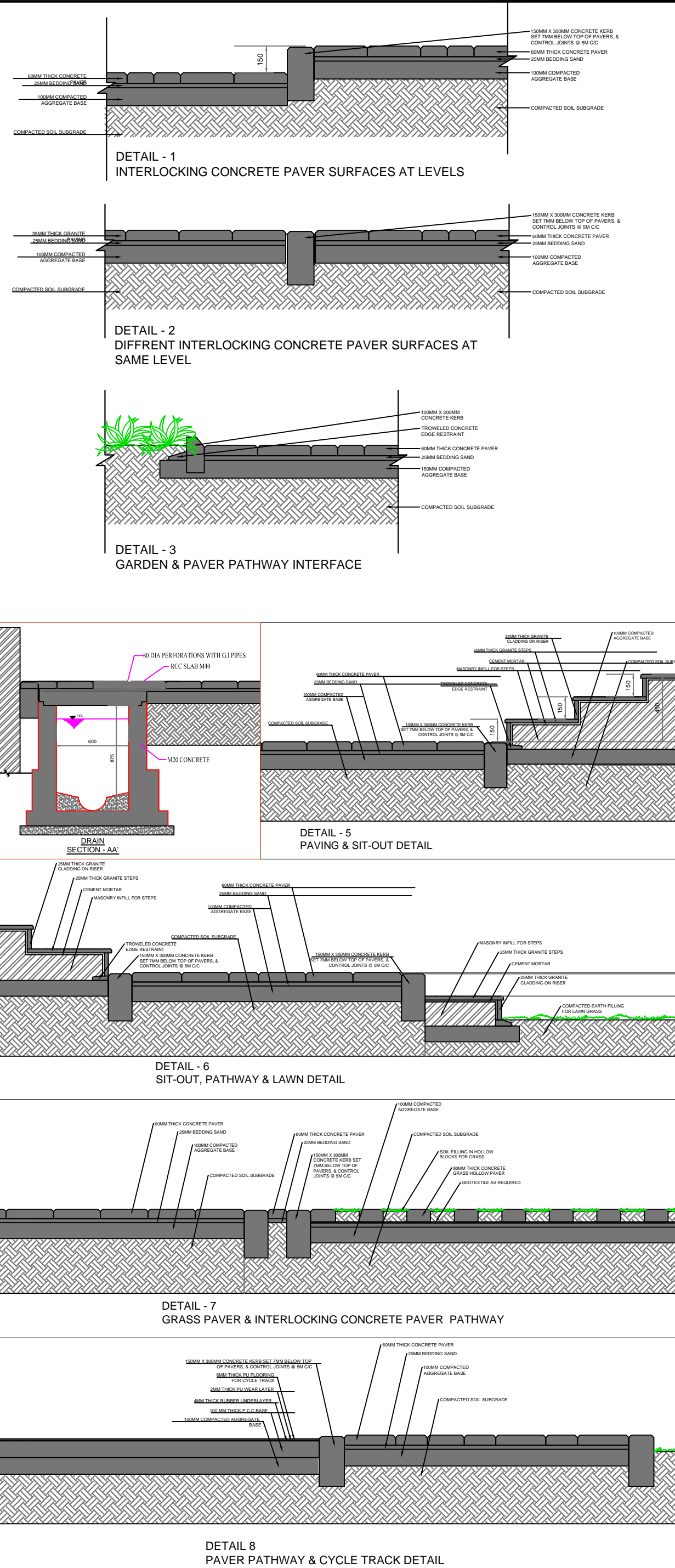
DSCSL-PMC-AGSL-REPL-PG-01

LEGEND

KIOSKS (MODULAR TENSILE STRUCTURE)	
TREE GUARD	
SCULPTURE	
SURFACE FINISHES	
ROAD	
INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 1)	
INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 2)	
INTERLOCKING CONCRETE PAVER BLOCKS (DESIGN 3)	
POLISHED GRANITE PAVING	
GRASS PAVERS	
LAWN (DOOB GRASS)	
LAWN (TURF GRASS)	
HORTICULTURE / LANDSCAPING PLANTS	
EXISTING TREES	
(JG) Jasmine grandiflorum (chamel)	
(BG) Bougainvillea	
(BV) Bignonia venusta (Golden shower)	
(AV) Allamanda violacea	
(AC) Allamanda cathartica	
(TS) Tecoma stans	
(TD) Tabernaemontana divaricata (Chandni double)	
(PC) Plumbeo capensis	
(ME) Murraya exotica	
(LI) Lagerstroemia indica	
(GJ) Gardenia jasminoides	
(CD) Chandni dwarf	
(PL) Polyalthia longifolia (Ashok)	
(PR) Plumeria rubra	
(PA) Plumeria alba	
(PC) Plumeria acutifolia	
(DR) Delonix regia (Gulmohar)	
(CF) Cassia fistula (Amaltash)	
(BF) Butea frondosa (Flame of Forest)	
(BB) Bauhinia blakeana (Kachnar)	
(AI) Azadirachta indica (Neem)	
(WT) Wedelia trilobata	
(SV) Syngonium variegated	
(IH) Iresine herbistii	
(DG) Duranta Golden	
(AV) Alpinia Variegated	
(FB) Ficus Bush King Topiary	
(FR) Ficus reginold Topiary	
(BGV) Bougainvillea	
(BP) Bird of paradise	
(AO) Adenium Obesum	
(SRO) Standard Rose	
(CRO) Creeper Rose	
(BR) Bush Rose / (BR) Budded Rose	
(C) Canna dwarf	
(M) Mogra	
(ACO) Araucaria cookie	



LANDSCAPE PLAN (PEDESTRIAN PLAZA)



LEGEND

TELEPHONE POLE	
TRANSFORMER	
PIPAL TREE	
KIOSK	
BAMBOO TREE	
DIVIDER	
TEMPLE	
FENCE	
GATE	
SAFETY TANK	
ROAD CENTER LINE	
SIGNS BOARD	
WATER TANK	

Rev	Date	Description	Remark
R2	July-2019	Increase in green area	
R1	June-2019	Change in internal Pathway width	
R0	May-2019	For DPR	

Client : DEHRADUN SMART CITY LIMITED

Project: PARADE GROUND REJUVENATION UNDER DEHRADUN SMART CITY PLAN

Drawing Title: LAYOUT PLAN OF PARADE GROUND
DETAIL PLAN OF PEDESTRIAN PLAZA

Project Management Consultant :

almondz | **REPL** | **JLL**

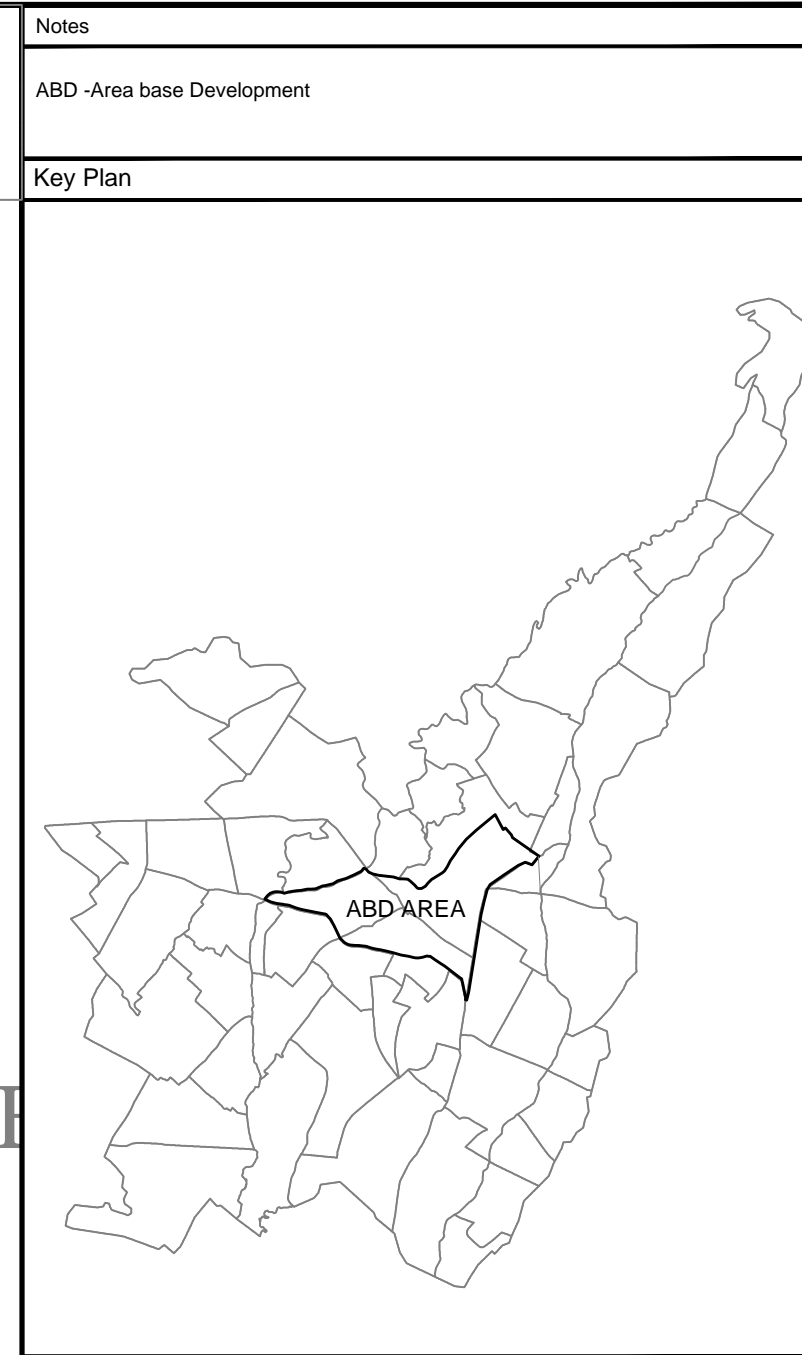
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Drawn by: Lopa Mudra | **Checked by:** Lopa Mudra
Engg Check: | **Recommended:** Sunil Kumar

Scale : 1:300,1:10 | **Status:** DPR | **Rev:** R2

Drawing No.: DSCL-PMC-AGSL-REPL-PG-02



LEGEND

CHAMBER/MANHOLE	
ELECTRIC POLE	
STREET LIGHT POLE & HIGH MAST LIGHT POLE	
TELEPHONE POLE	
SOLAR LIGHT POLE	
TRANSFORMER	
PIPAL TREE	
KIOSK	
BAMBOO TREE	
DIVIDER	
TEMPLE	
FENCE	
GATE	
SAFETY TANK	
ROAD CENTER LINE	
SIGNS BOARD	
WATER TANK	

Drain Details :-

300x300 mm	
350x350 mm	
400x400 mm	
450x450 mm	
500x500 mm	
550x550 mm	
600x600 mm	
700x700 mm	
800x800 mm	
900x900 mm	
1000x1250 mm	

OUT FALL

JUNCTION / NODE

CATCHMENTS BOUNDARY

RO	May-2019	For DPR	
Rev	Date	Description	Remark

Client : **DEHRADUN SMART CITY LIMITED**

Project : **DRAINAGE SYSTEM OF ABD AREA OF DEHRADUN SMART CITY UNDER SMART CITY MISSION DEHRADUN**

Drawing Title : **LAYOUT PLAN OF INTERNAL DRAINAGE SYSTEM PARADE GROUND REJUVENATION**

Project Management Consultant :

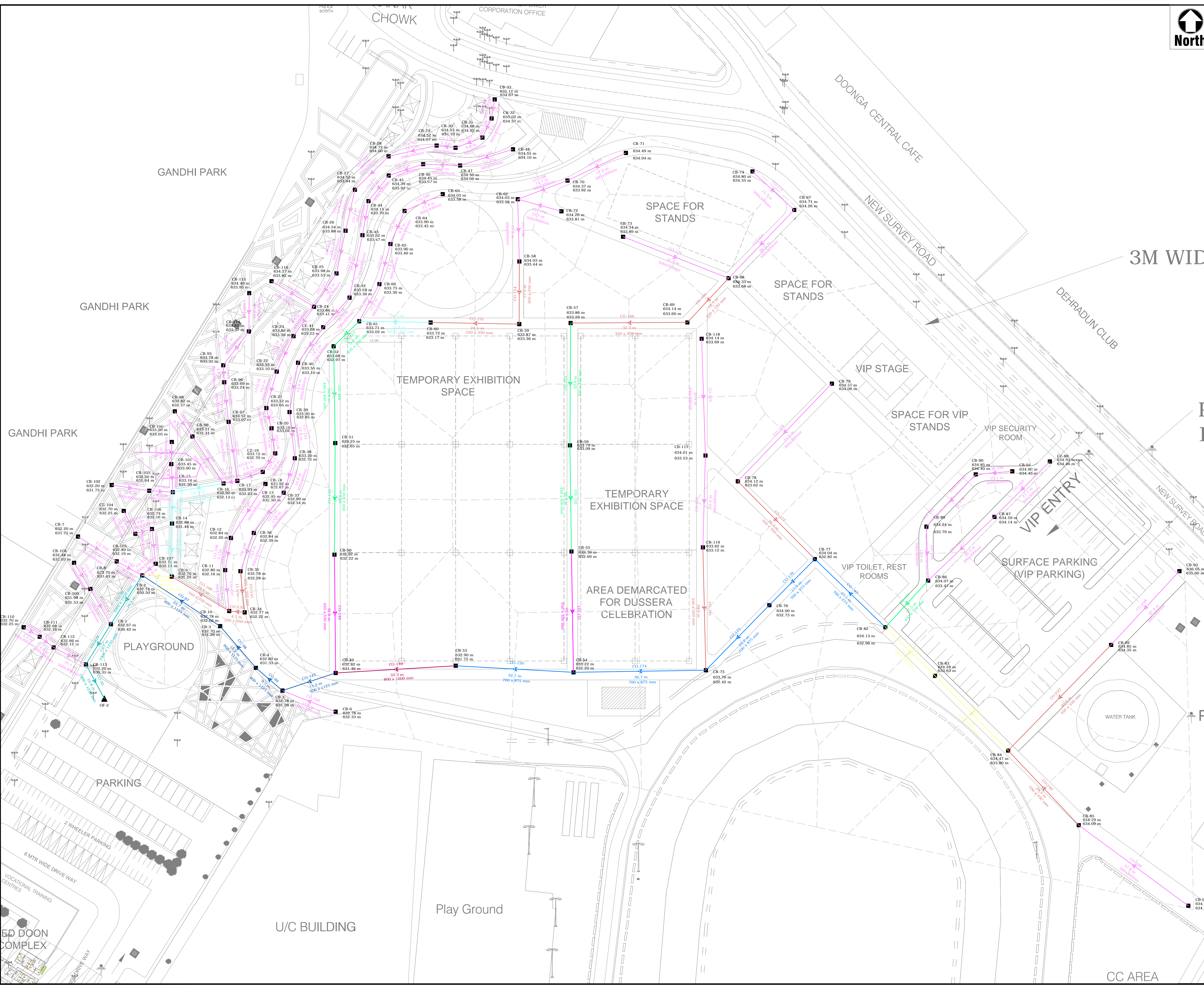
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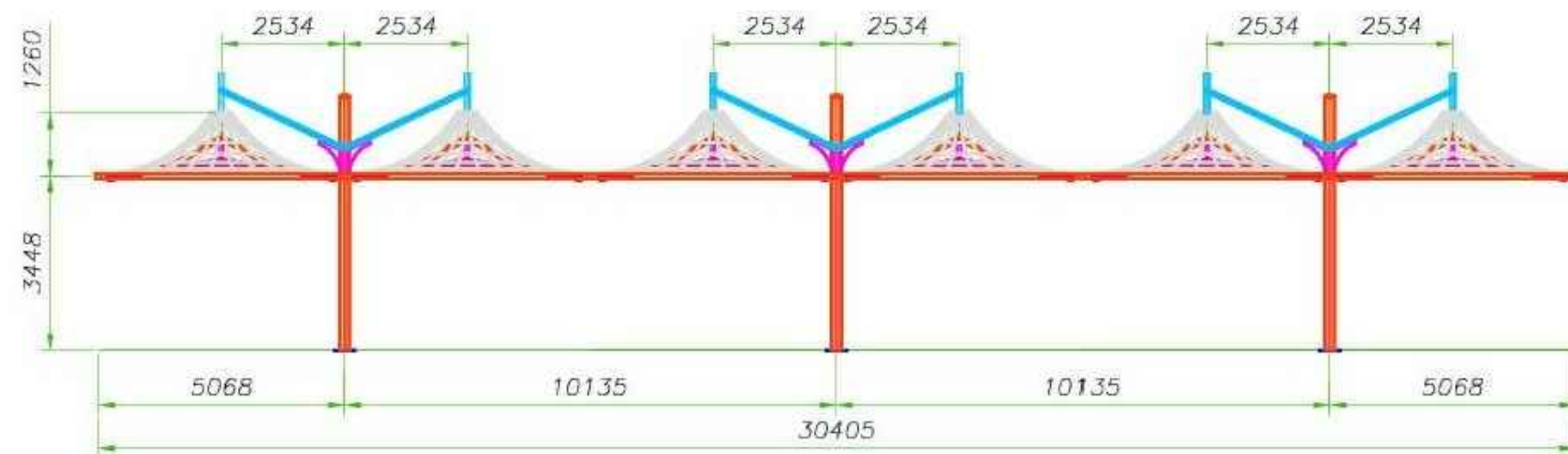
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Dehradun Office : 110, Ashoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001

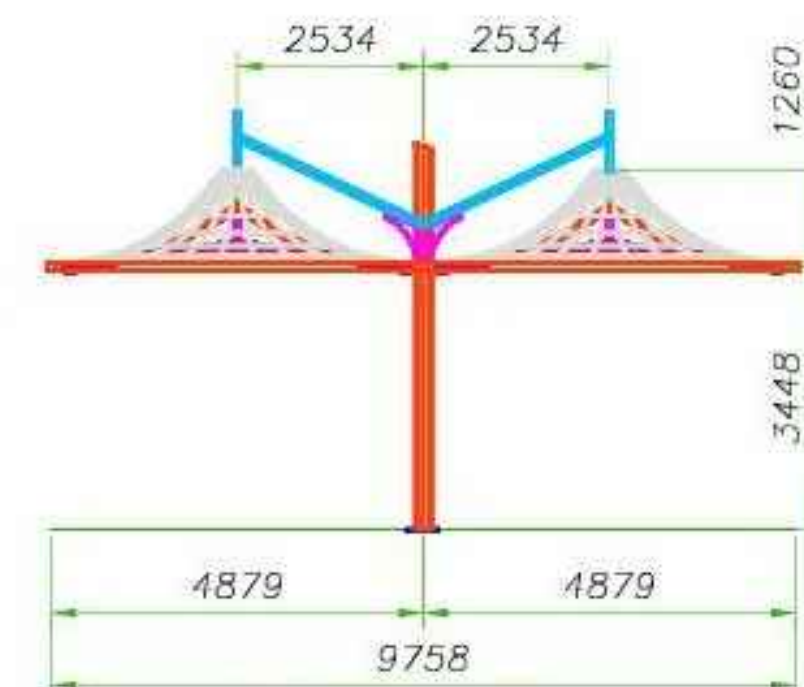
Drawn by:	Jaipal Singh	Checked by:	Ravindra Kumar
Engg Chek:	P.K.Singh	Recommended:	Sunil Kumar
Scale :	N.T.S	Status:	DPR
Rev:		Rev:	RO

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

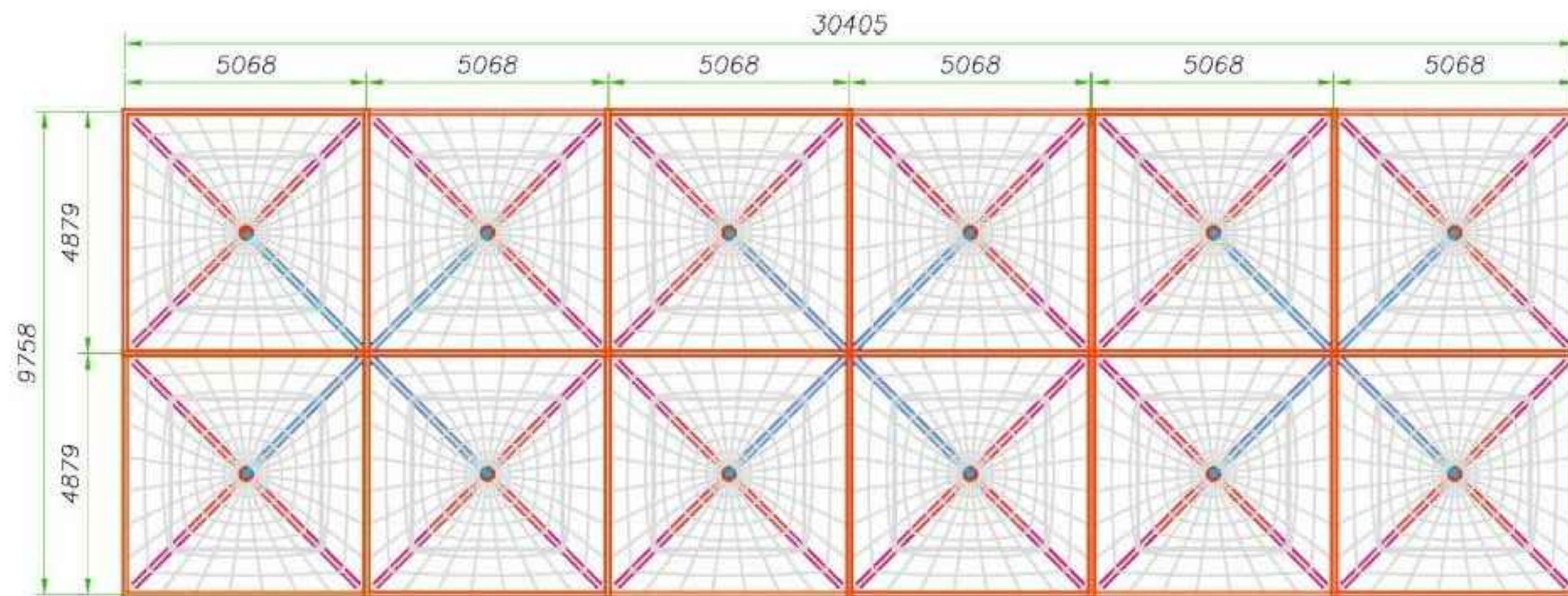




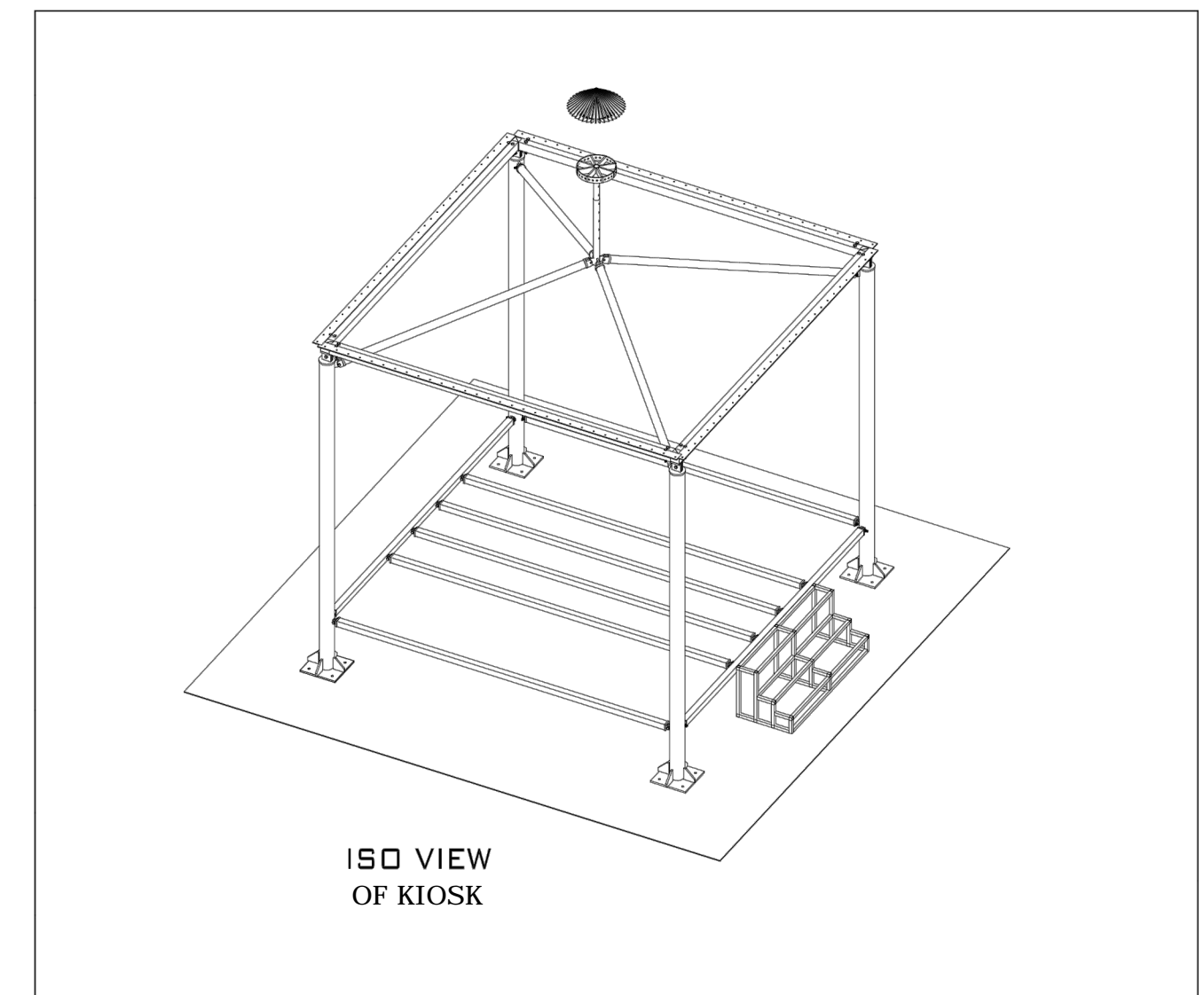
ELEVATION



SIDE VIEW

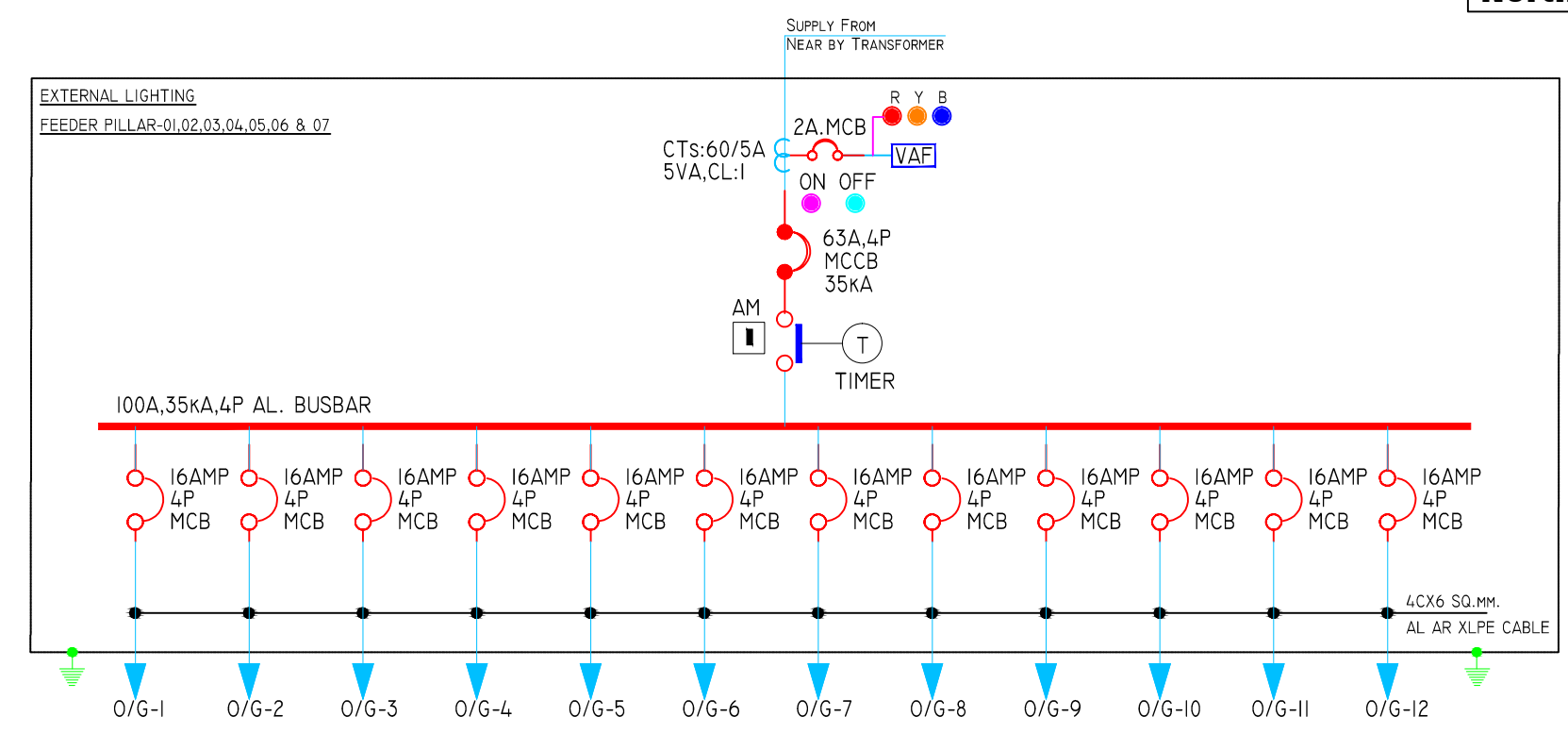
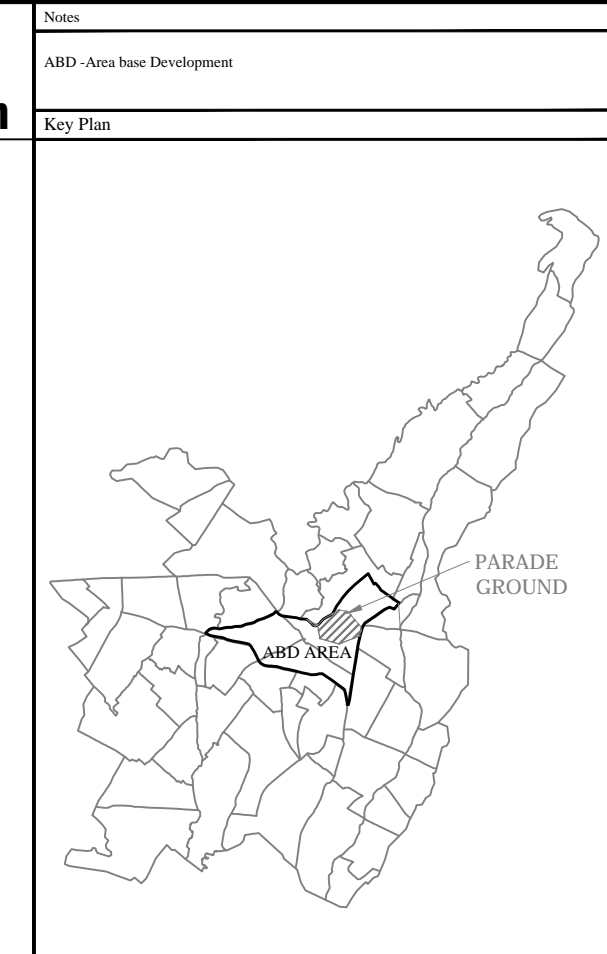


CAR PARKING PLAN



ISO VIEW OF KIOSK

			CLIENT:	REMARK:	PROJECT MANAGEMENT CONSULTANT:	RECOMMENDED BY:	SUNIL KUMAR	DRAWING TITLE :					
			 DEHRADUN SMART CITY LTD. Dehradun Smart City Ltd. (DSCL)		 almondz <i>the infrastructure specialist</i> Corporate / Registered Office F-33/3 Okhla Industrial Area Phase-II, New Delhi-110020, INDIA +91-011-43500700 - 800 +91-011-43500073  JLL Address: 1110, Ashoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001	 IN JOINT VENTURE WITH  REPL <i>The Power of Knowledge</i> Rudrabhishek Enterprises Ltd. (An ISO 9001:2008 Certified Company) A-6, Sec-58, Noida, U.P-201301 Phone: +91 120 4022359 Fax: +91 120 4022301 Website: www.replurbanplanners.com	CHECKED BY:	S.N TRIPATHI	CAR PARKING & KIOSK PARADE GROUND				
May -2019	R0	For DPR				DESIGN BY :							
DATE	REV	DESCRIPTION OF REVISIONS			DRAWN BY:								
						SHEET :	A3	SCALE	NTS	REV.	R0	DRG. NO.	DSCL-PMC-AGSL-REPL-PG-04



LEGEND

LEGENDS-

	45W POLE LIGHT 3M. HIGH
	60W POLE LIGHT 4.5M. HIGH
	2x60W POLE LIGHT 9M HIGH (DOUBLE ARM)
	8W BOLLARD LIGHT 1M. HIGH
	3W LED UP LIGHTER
	3x1W LED IN GROUND LIGHT
	4x100W HIGH MAST 12.5 METRE HIGH
	LT CABLES

LEGEND

	KIOSK
	SCULPTURE (MAX HEIGHT 4M)
	SPECIAL TREES FOR HIGHLIGHTING

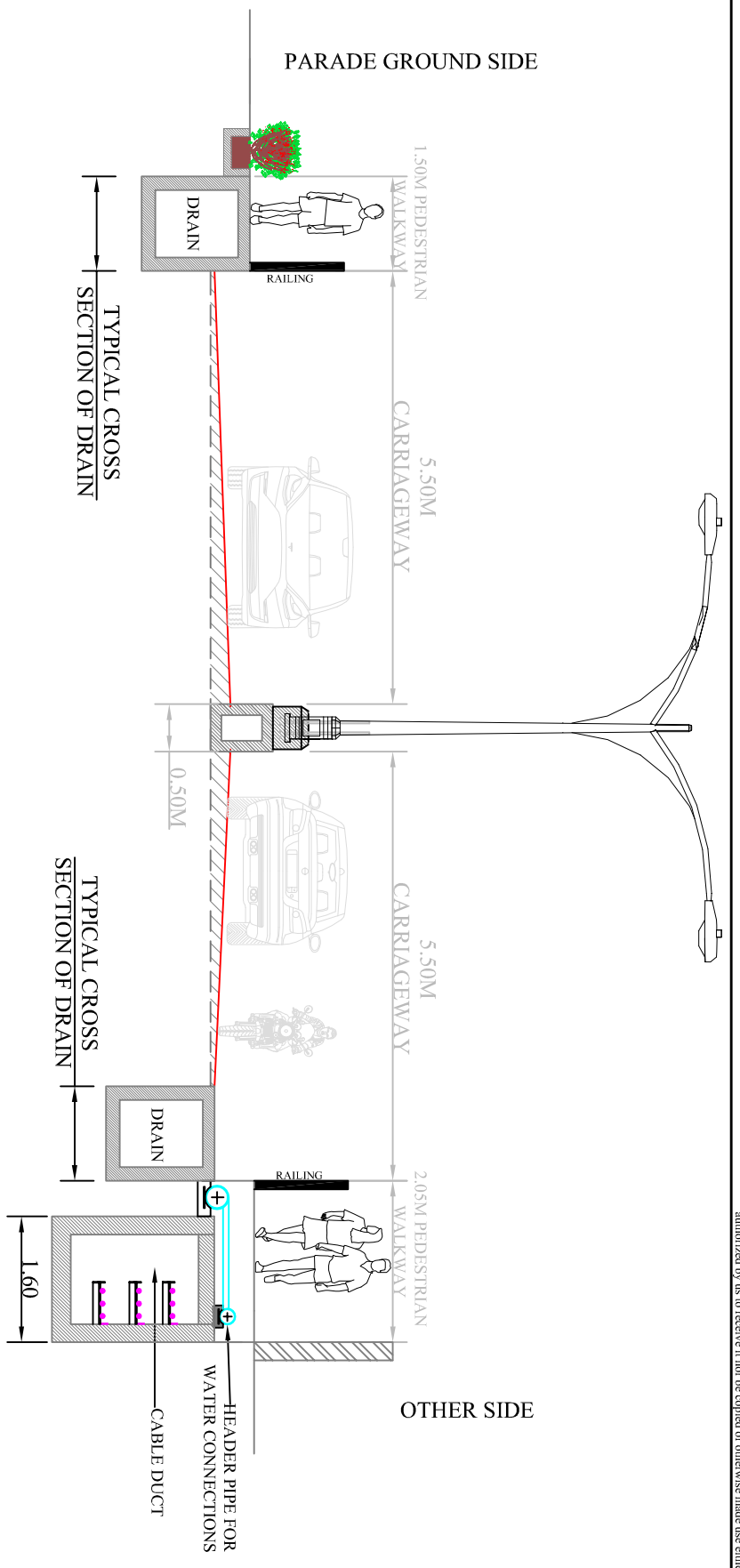
SITE PLAN EXTERNAL LIGHTING LAYOUT

DEHRADUN SMART CITY LIMITED

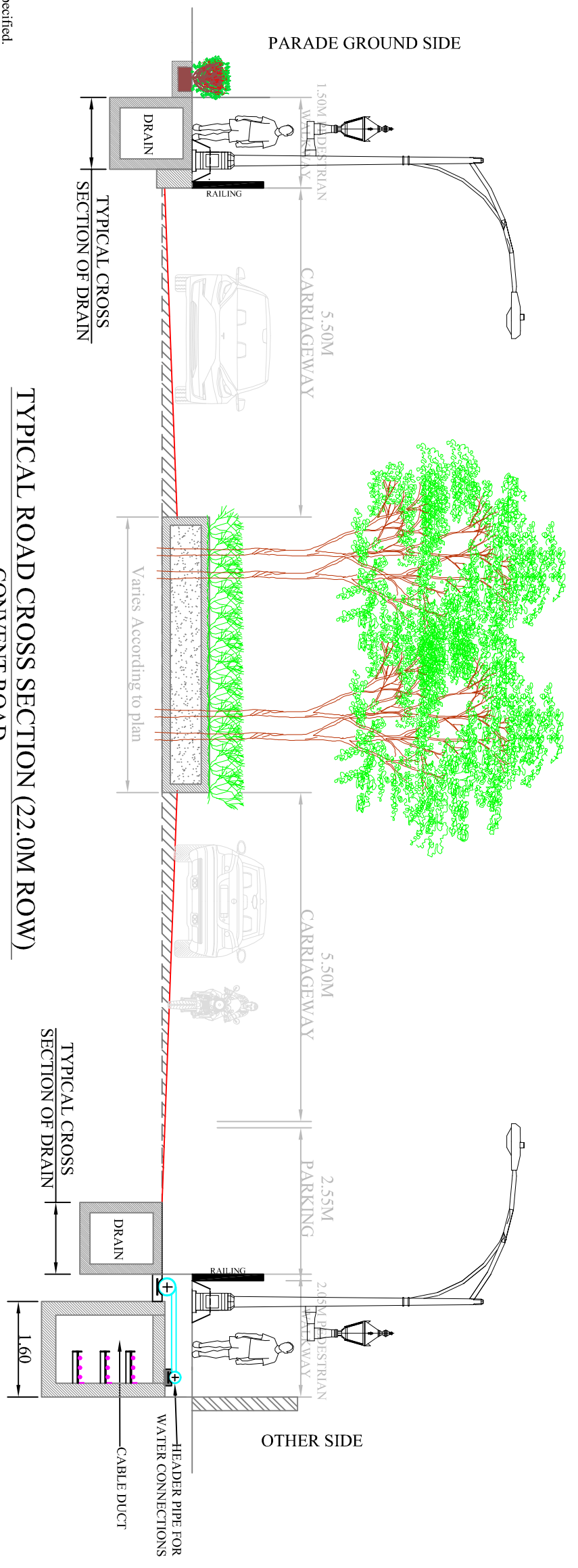
PARADE GROUND REJUVENATION UNDER DEHRADUN SMART CITY PLAN

ELECTRICAL DRAWING OF PARADE GROUND

 <small>Corporate / Registered Office F-3/3 Okhla Industrial Area Phase-4I, New Delhi-110020 INDIA +91-11-4350070-800 +91-11-4350073</small>	 <small>Redrabhishik Enterprises Ltd. (An ISO 9001:2008 Certified Company) A-6, Sector-28, Noida, U.P. 201301 Phone: +91 120 4023359 Fax: +91 120 4022260 Website: www.repl.com</small>	 <small>Address: 1110, Ashoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001</small>
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TYPICAL ROAD CROSS SECTION (15.0M ROW)
PANT ROAD & NEW SURVEY ROAD



TYPICAL ROAD CROSS SECTION (22.0M ROW)
CONVENT ROAD

Note:
1. All Dimensions are in meters until unless specified.
2. Drawing is not to scale written dimensions shall be followed.

DATE	REV	DESCRIPTION OF REVISIONS
June-2019	R0	For DPR

ABBREVIATIONS:-
 DSCCL: Dehradun Smart City Ltd.
 PMC: Project Management Consultancy
 MUD: Multi Utility Duct
 RCS: Road Cross Section
 DPR: Detail Project Report
 LT: Low-Tension line
 HT: High-Tension line
 ROW: Right of way
 REPL: Rudrabhishok Enterprises Ltd.
 AGSL: Almondz Global Securities Ltd.
 JLL: Jones Lang La Salle

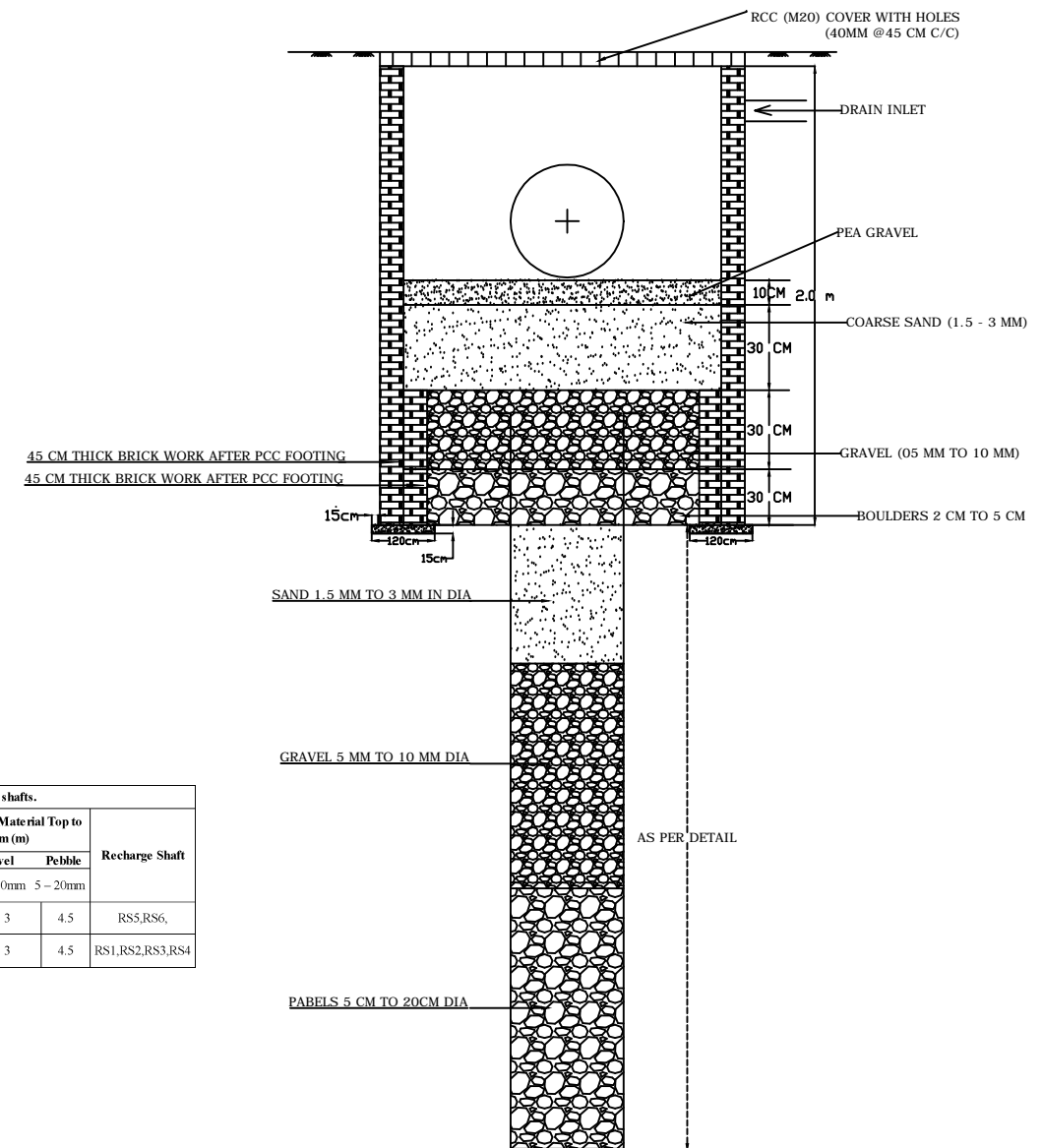
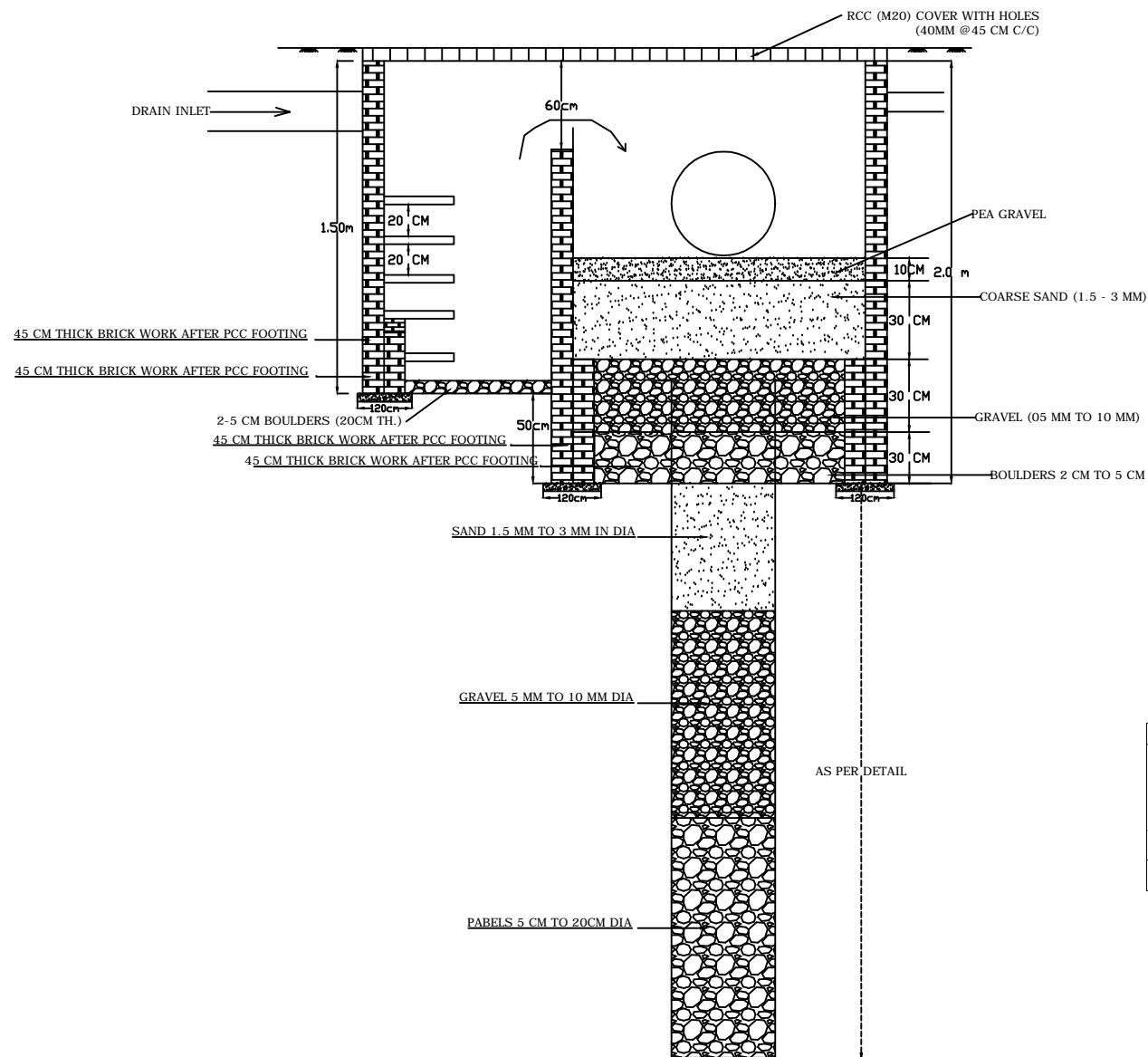
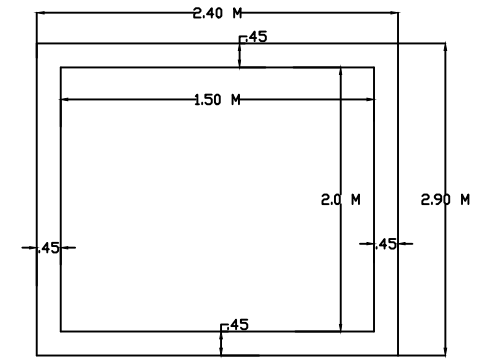
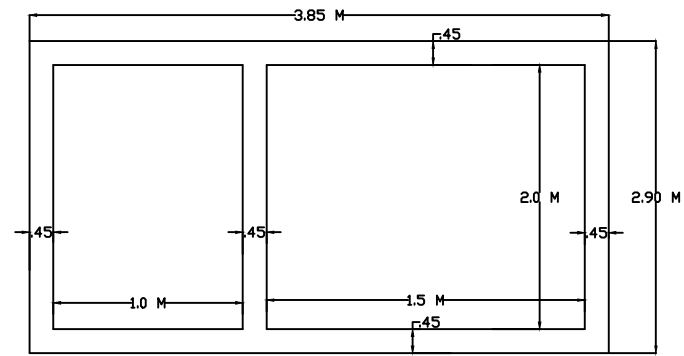
CLIENT:
 Dehradun Smart City Ltd. (DSCCL)

PROJECT MANAGEMENT CONSULTANT:

almondz
the infrastructure specialists
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APPROVED BY:		PROJECT:	
SUNIL KUMAR		PARADE GROUND REJUVENATION UNDER SMART CITY MISSION DEHRADUN	
CHECKED BY: HARIHARAN P		DRAWING TITLE: TYPICAL ROAD CROSSING	
ENGG. CHECKED: M FARSWAN		DRG. NO. DSCCL-PMC-AGSL-REPL-PG-07	
DRAWN BY: JAI PAL SINGH			
PRINT SHEET: A3			
SCALE: 1:100			
REV. R0			

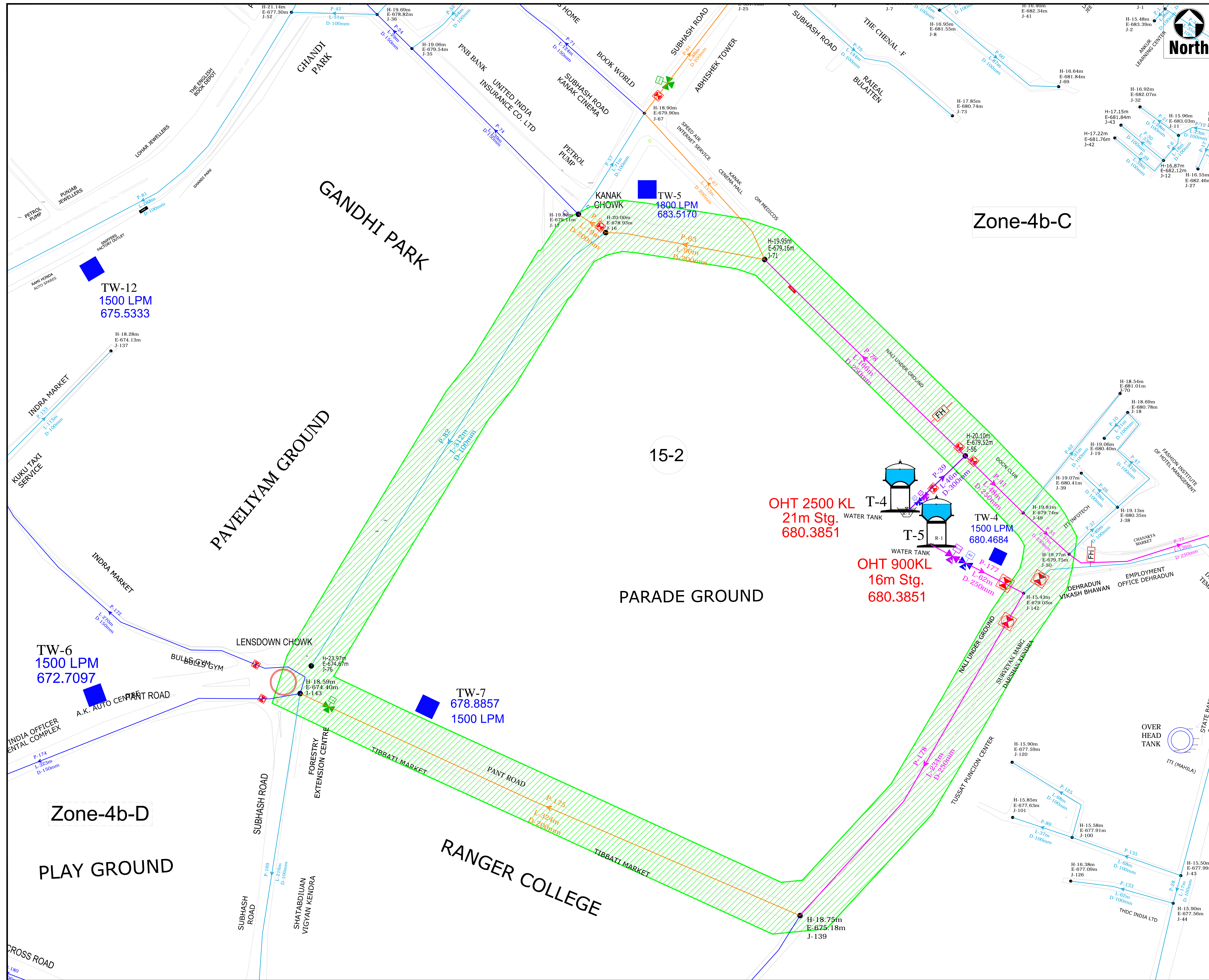


Detail of Recharge shafts.						
Sl No	Diameter of shaft (mm)	Depth (m)	Depth of Filter Material Top to Bottom (m)			Recharge Shaft
			Sand	Gravel	Pebble	
			1.5 - 3mm	5 - 10mm	5 - 20mm	
1	300	9	1.5	3	4.5	RS5,RS6,
2	300	9	1.5	3	4.5	RS1,RS2,RS3,RS4

TYPICAL DRAWING OF RECHARGE SHAFT WITH INLET CHAMBER (RS5-RS10)

TYPICAL DRAWING OF RECHARGE SHAFT (RS1-RS4)

CLIENT:  Dehradun Smart City Ltd. (DSCL)			NOTES:			PROJECT MANAGEMENT CONSULTANT:    Corporate / Registered Office F-33/3 Okhla Industrial Area Phase-II, New Delhi-110020, INDIA + 91-011-43500700 - 800 +91-011-4350073 Address: 1110, Ashoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001 			APPROVED BY: SUNIL KUMAR CHECKED BY: RAVINDRA KUMAR ENGG. CHECKED: HARISH JOSHI DRAWN BY: RAKESH BAURAI SHEET: A3			DRAWING TITLE: TYPICAL DRAWING OF RAINWATER HARVESTING RECHARGE STRUCTURE UNDER DEHRADUN SMART CITY LTD. DRG. NO. DSCL-PMC-RWH-REPL-G-001 REV. R1		
June-2019	R0	For DPR												
DATE	REV	DESCRIPTION OF REVISIONS												



North

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
 OVER HEAD TANK
 SLUICE VALVE
 DISTRICT WATER METER
 BULK WATER METER
 SCOUR VALVE
 AIR VALVE
 FIRE HYDRANT
 PRESSURE TRANSMITTER
 TUBE WELL
 PRESSURE HEAD
 GROUND ELEVATION
 PIPE JUNCTION NUMBER
 L= PIPE LENGTH
 D= PIPE DIA
 PIPE NUMBER
 P-00
 E-00
 J-00
 L-00
 D-00MM
 P-00

PARADE GROUND AREA

Sl No	Pipe No	From Node	To Node	Type of Valve	Di of I End	Di of O End	Description
1	P-93	81	256	SWM	300	300	Bulk Water Meter
2	P-93	81	256	SLV	300	300	Sluice Valve
3	P-93	81	256	AV	300	300	Air Valve
4	P-78	176	171	SLV	250	250	Sluice Valve
5	P-78	176	171	FI	250	250	Fire Hydrant
6	P-43	189	256	SLV	250	250	Sluice Valve
7	P-9	188	117	SLV	300	300	Sluice Valve
8	P-177	81	1142	SWM	250	250	Bulk Water Meter
9	P-177	81	1142	SLV	250	250	Sluice Valve
10	P-177	81	1142	AV	250	250	Air Valve
11	P-168	183	1142	SLV	300	300	Sluice Valve
12	P-168	183	1142	FI	300	300	Fire Hydrant
13	P-178	119	1142	SLV	250	250	Sluice Valve
14	P-175	119	1144	SWM	300	300	Bulk Water Meter

RD May-2019 For DPR
 Rev Date Description Remark

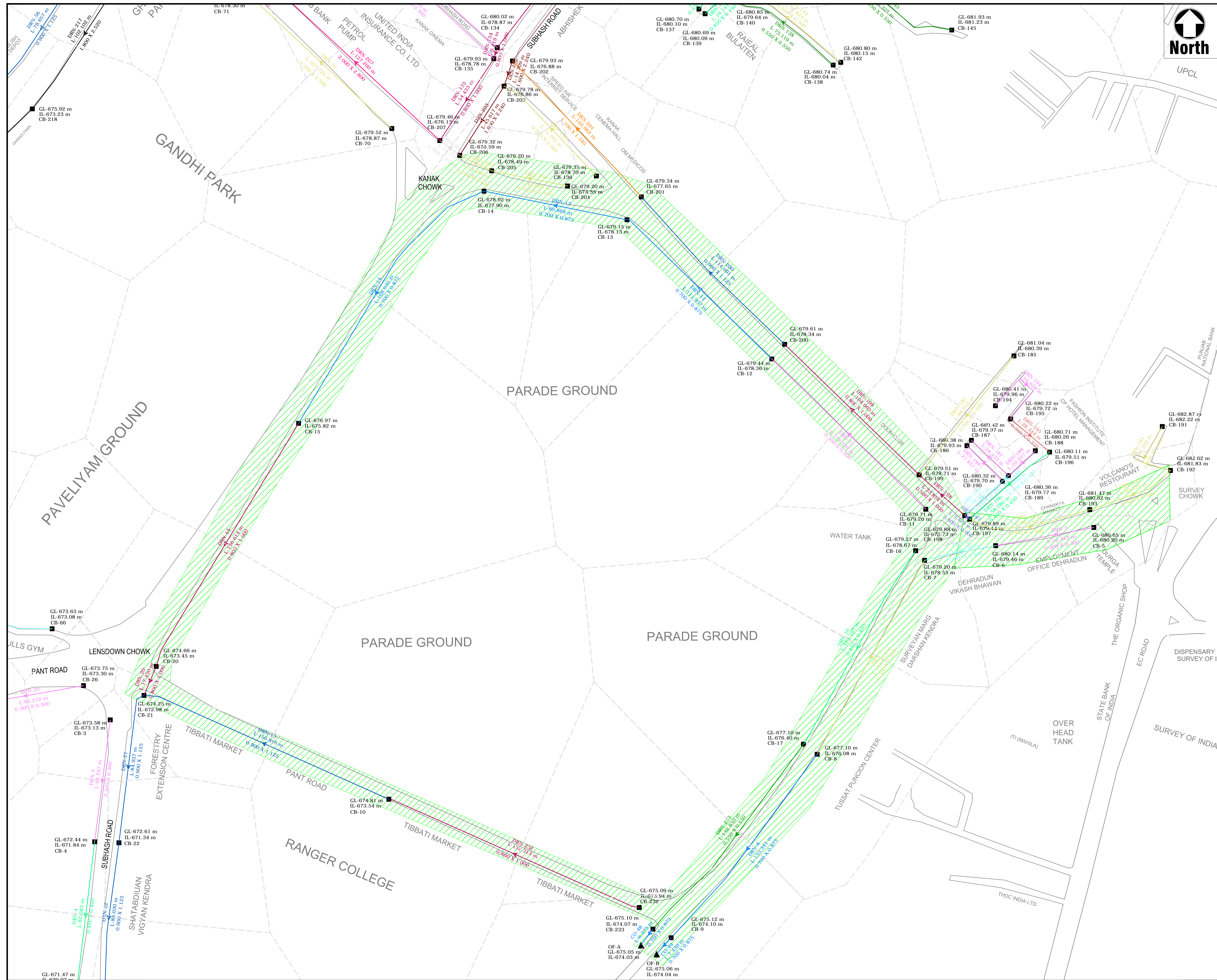
Client : **DEHRADUN SMART CITY LIMITED**

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

Drawing Title : **LAYOUT PLAN OF WATER SUPPLY DISTRIBUTION NETWORK (PARADE GROUND AREA)**

Project Management Consultant : **almondz REPL JLL**

Drawn by: Jaipal Singh
 Engg Check: M.Kamboj
 Scale: 1:1000
 Status: DPR
 Drawing Number: **DSCL-PMC-AGSL-REPL-PARADE-02**



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	Light Cyan line
900x1125 mm	Cyan line
1000x1250 mm	Teal line
1100x1540 mm	Light Green line
1200x1680 mm	Green line
1300x1820 mm	Dark Green line
1400x1960 mm	Blue line
1500x2100 mm	Light Blue line
1600x2240 mm	Light Cyan line
1700x2380 mm	Cyan line
1800x2520 mm	Teal line
2000x2800 mm	Dark Teal line

OUT FALL JUNCTION / NODE
 CATCHMENTS BOUNDARY
 RIVER

DRAINAGE WORKS INCLUDED IN PARADE GROUND REJUVENATION

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

Client : **DEHRADUN SMART CITY LIMITED**

Project : **DRAINAGE SYSTEM OF ABD AREA OF DEHRADUN SMART CITY UNDER SMART CITY MISSION DEHRADUN**

Drawing Title : **LAYOUT PLAN OF EXTERNAL DRAINAGE SYSTEM PARADE GROUND REJUVENATION**

Project Management Consultant :

almondz	REPL	JLL
<small>Corporate / Regional Office F-3/3 Okha Industrial Area Phase-II, New Delhi-110029 INDIA-011-4350070-800 +91-011-4350073</small>	<small>Rudrabhaskar Enterprises Ltd. (An ISO 9001:2008 Certified Company) A-4, Sector-5, Noida, U.P. 201301 Phone: +91 120 6021559 Fax: +91 120 6022391 Website: www.rudrabhaskar.com</small>	<small>Address: 1110, Ashoka Estate, Barakhamba Road, Connaught Place, New Delhi, Delhi 110001 Phone: +91 120 6021559 Fax: +91 120 6022391 Website: www.jll.com</small>

Drawn by: Jaipal Singh	Checked by: Ravindra Kumar
Engg Check: P.K. Singh	Recommended: Sunil Kumar
Scale: N.T.S	Status: DPR
Rev: R1	

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