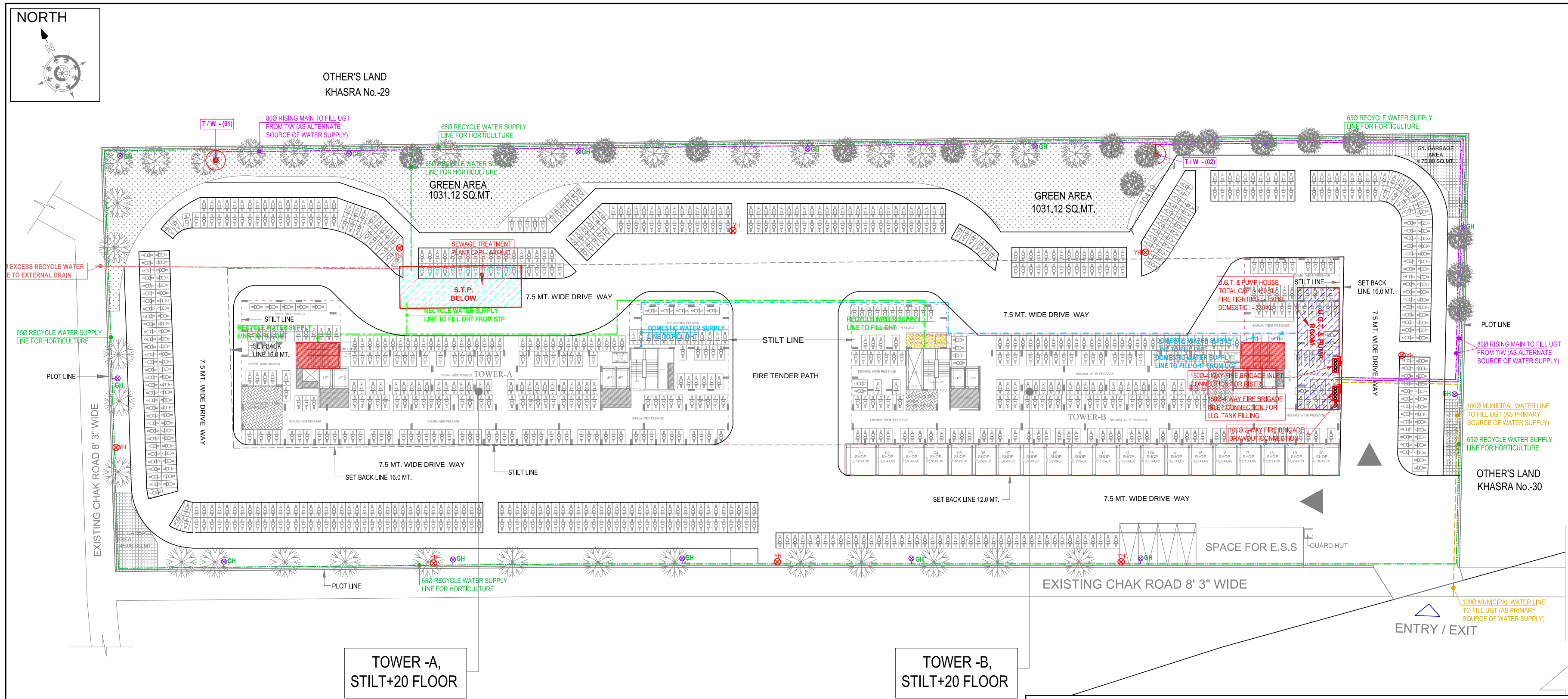




TOWER -A,
STILT+20 FLOOR

TOWER -B,
STILT+20 FLOOR

30 M WIDE PROPOSED
ROAD AS PER MASTER PLAN

3 M WIDE PROPOSED
D AS PER MASTER PLAN

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		RISING MAIN LINE (FROM T/W TO U.G.T.)
2.		MUNICIPAL WATER SUPPLY PIPE LINE
3.		PROPOSED TUBE WELL
4.		GARDEN HYDRANT
5.		RECYCLED WATER SUPPLY LINE FOR FLUSHING
6.		DOMESTIC WATER SUPPLY LINE

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		FIRE LINE
2.		YARD HYDRANT 63 M.M. DIA. SINGLE HEADED HYDRANT VALVE WITH 2 NOS. 15 M. LONG, 63 M.M. DIA. FIRE HOSE PIPE & 1 NO. BRANCH PIPE WITH NOZZLE
3.		4 WAY FIRE BRIGADE INLET CONNECTION
4.		2 WAY FIRE BRIGADE DRAWOUT CONNECTION
5.		BUTTERFLY VALVE
6.		NONRETURN VALVE (CHECK VALVE)
7.		ISOLATING VALVE WITH MASONARY CHAMBER

WATER REQUIREMENT CALCULATIONS - PLOT D										
S. No.	Description	Built up Area (Sq.M)	Hortic ulture Water Requirement per Sq.M Area	No. of Units	Unit Popu lation	Total Popula tion	Domestic Fresh Water Requirement (A)		Recycle Water Requirement (B)	
							LPCD	LPD	LPCD	LPD
1	EWS Units			946	5	4730	65	307450	21	89330
2	Staff					240	25	6000	20	4800
3	Commercial (LS)							2000	0	0
4	Filter Backwash							5000		5000
5	Horticulture	2500	4						10000	10000
Total								3,20,450	1,14,130	4,34,580

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION	
Description	Water Requirement (KLD)
Domestic Fresh Water Requirement	320
Recycle Water Requirement	114
Flow to Sewer	361
STP Capacity required	361
STP Capacity provided (by adding 20% as per MOEF)	434
STP Capacity rounded off	440
Net water balance (to discharge into drainage system)	247
UGT Capacity	
For Domestic Use (1 Day storage)	330 KL
For Fire Fighting (as per NBC)	150 KL
Total UGT Capacity	480 KL

rev. no.	date	revision
..	..	..

project
PMAY SCHEME
PMAY SCHEME AT KHASRA No.- 408,409, 410,411,423,424,425,426,427, 428,429,430,431, 432(M),433(M),434,488,489,490,492,493
VILLAGE :- NOORNAGAR & 31,90,91,191
VILLAGE :- MORTA, GHAZIABAD

title
LAYOUT PLAN (PLOT - D)

subtitle
EXTERNAL WATER SUPPLY SYSTEM

drawing released for
☐ APPROVAL ☒ MUN. SUBMISSION
☐ ADVANCE COPY ☐ CONSTRUCTION

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scale 1 : 300 designed by Badri Vishal

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