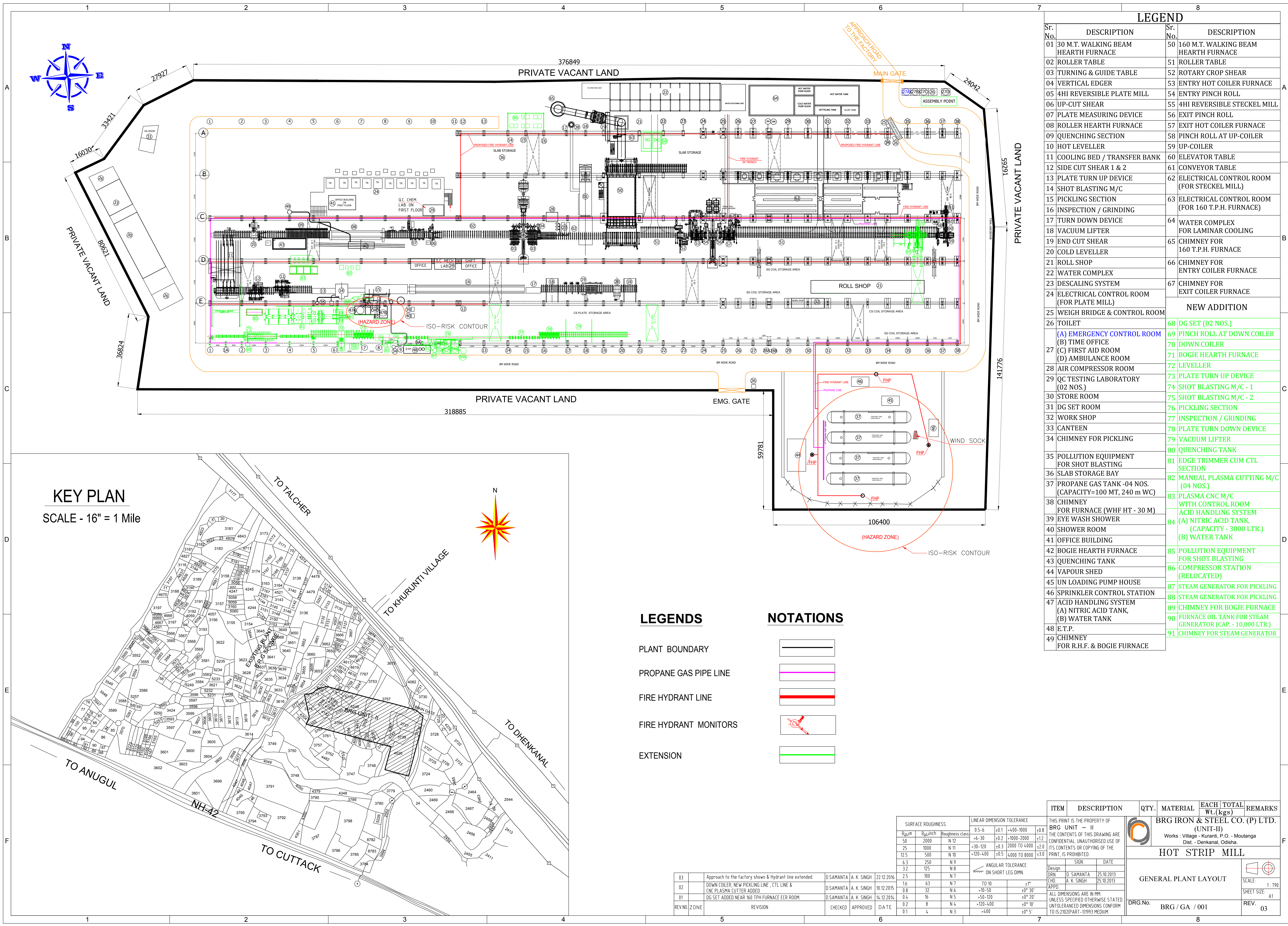




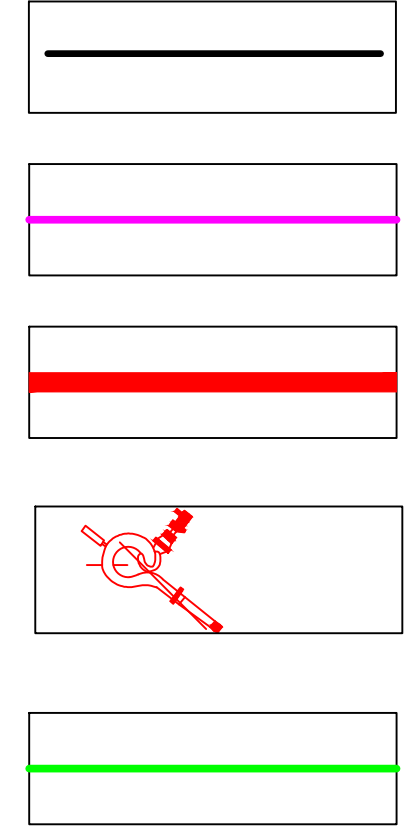
LEGEND

Sr. No.	DESCRIPTION	Sr. No.	DESCRIPTION
01	30 M.T. WALKING BEAM HEARTH FURNACE	50	160 M.T. WALKING BEAM HEARTH FURNACE
02	ROLLER TABLE	51	ROLLER TABLE
03	TURNING & GUIDE TABLE	52	ROTARY CROP SHEAR
04	VERTICAL EDGER	53	ENTRY HOT COILER FURNACE
05	4HI REVERSIBLE PLATE MILL	54	ENTRY PINCH ROLL
06	UP-CUT SHEAR	55	4HI REVERSIBLE STECKEL MILL
07	PLATE MEASURING DEVICE	56	EXIT PINCH ROLL
08	ROLLER HEARTH FURNACE	57	EXIT HOT COILER FURNACE
09	QUENCHING SECTION	58	PINCH ROLL AT UP-COILER
10	HOT LEVELLER	59	UP-COILER
11	COOLING BED / TRANSFER BANK	60	ELEVATOR TABLE
12	SIDE CUT SHEAR 1 & 2	61	CONVEYOR TABLE
13	PLATE TURN UP DEVICE	62	ELECTRICAL CONTROL ROOM (FOR STECKEL MILL)
14	SHOT BLASTING M/C	63	ELECTRICAL CONTROL ROOM (FOR 160 T.P.H. FURNACE)
15	PICKLING SECTION	64	WATER COMPLEX FOR LAMINAR COOLING
16	INSPECTION / GRINDING	65	CHIMNEY FOR 160 T.P.H. FURNACE
17	TURN DOWN DEVICE	66	CHIMNEY FOR ENTRY COILER FURNACE
18	VACUUM LIFTER	67	CHIMNEY FOR EXIT COILER FURNACE
19	END CUT SHEAR	NEW ADDITION	
20	COLD LEVELLER	68	DG SET (02 NOS.)
21	ROLL SHOP	69	PINCH ROLL AT DOWN COILER
22	WATER COMPLEX	70	DOWN COILER
23	DESCALING SYSTEM	71	BOGIE HEARTH FURNACE
24	ELECTRICAL CONTROL ROOM (FOR PLATE MILL)	72	LEVELLER
25	WEIGH BRIDGE & CONTROL ROOM	73	PLATE TURN UP DEVICE
26	TOILET	74	SHOT BLASTING M/C - 1
(A) EMERGENCY CONTROL ROOM		75	SHOT BLASTING M/C - 2
(B) TIME OFFICE		76	PICKLING SECTION
(C) FIRST AID ROOM		77	INSPECTION / GRINDING
(D) AMBULANCE ROOM		78	PLATE TURN DOWN DEVICE
28	AIR COMPRESSOR ROOM	79	VACUUM LIFTER
29	QC TESTING LABORATORY (02 NOS.)	80	QUENCHING TANK
30	STORE ROOM	81	EDGE TRIMMER CUM CTL SECTION
31	DG SET ROOM	82	MANUAL PLASMA CUTTING M/C (04 NOS.)
32	WORK SHOP	83	PLASMA CNC M/C WITH CONTROL ROOM
33	CANTEEN	84	ACID HANDLING SYSTEM (A) NITRIC ACID TANK, (CAPACITY - 3000 LTR.) (B) WATER TANK
34	CHIMNEY FOR PICKLING	85	POLLUTION EQUIPMENT FOR SHOT BLASTING
35	POLLUTION EQUIPMENT FOR SHOT BLASTING	86	COMPRESSOR STATION (RELOCATED)
36	SLAB STORAGE BAY	87	STEAM GENERATOR FOR PICKLING
37	PROPANE GAS TANK -04 NOS. (CAPACITY=100 MT, 240 m WC)	88	STEAM GENERATOR FOR PICKLING
38	CHIMNEY FOR FURNACE (WHF HT - 30 M)	89	CHIMNEY FOR BOGIE FURNACE
39	EYE WASH SHOWER	90	FURNACE OIL TANK FOR STEAM GENERATOR (CAP. - 10,000 LTR.)
40	SHOWER ROOM	91	CHIMNEY FOR STEAM GENERATOR
41	OFFICE BUILDING		
42	BOGIE HEARTH FURNACE		
43	QUENCHING TANK		
44	VAPOUR SHED		
45	UN LOADING PUMP HOUSE		
46	SPRINKLER CONTROL STATION		
47	ACID HANDLING SYSTEM (A) NITRIC ACID TANK, (B) WATER TANK		
48	E.T.P.		
49	CHIMNEY FOR R.H.F. & BOGIE FURNACE		

LEGENDS

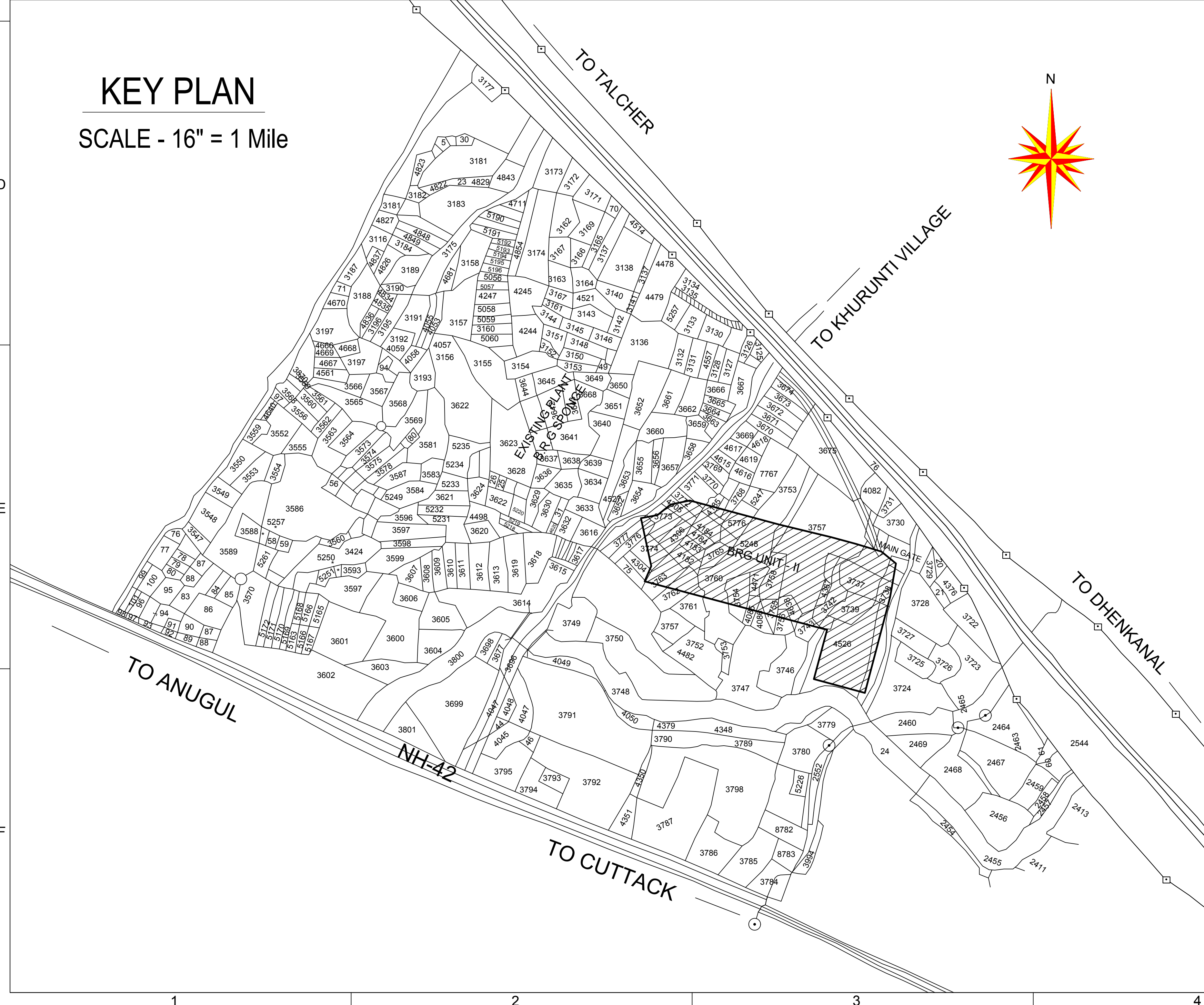
- PLANT BOUNDARY
- PROPANE GAS PIPE LINE
- FIRE HYDRANT LINE
- FIRE HYDRANT MONITORS
- EXTENSION

NOTATIONS



KEY PLAN

SCALE - 16" = 1 Mile



ITEM	DESCRIPTION	QTY.	MATERIAL	EACH / TOTAL Wt. (kgs)	REMARKS
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BRG IRON & STEEL CO. (P) LTD. (UNIT-II) Works : Village - Kuranti, P.O. - Moutanga Dist. - Denkanal, Odisha.					
HOT STRIP MILL					
GENERAL PLANT LAYOUT					
DRG.No. BRG / GA / 001					
REV. 03					

SURFACE ROUGHNESS			LINEAR DIMENSION TOLERANCE		
Ra μm	Ra μm	Roughness class	0.5-6	±0.1	±0.00-1000
50	2000	N 12	±0.2	±0.00-2000	±12
25	1000	N 11	±0.3	2000 TO 4000	±20
12.5	500	N 10	±0.5	4000 TO 8000	±30
6.3	250	N 9			
3.2	125	N 8			
2.5	100	N 7			
1.6	63	N 6			
0.8	32	N 5			
0.4	16	N 4			
0.2	8	N 3			
0.1	4	N 2			

REV	NO	ZONE	REVISION	CHECKED	APPROVED	DATE
03			Approach to the factory shown & Hydrant line extended.	D.SAMANTA	A. K. SINGH	22.12.2016
02			DOWN COILER, NEW PICKLING LINE, CTL LINE & CNC PLASMA CUTTER ADDED.	D.SAMANTA	A. K. SINGH	10.12.2015
01			DG SET ADDED NEAR 160 TPH FURNACE ECR ROOM.	D.SAMANTA	A. K. SINGH	14.12.2014