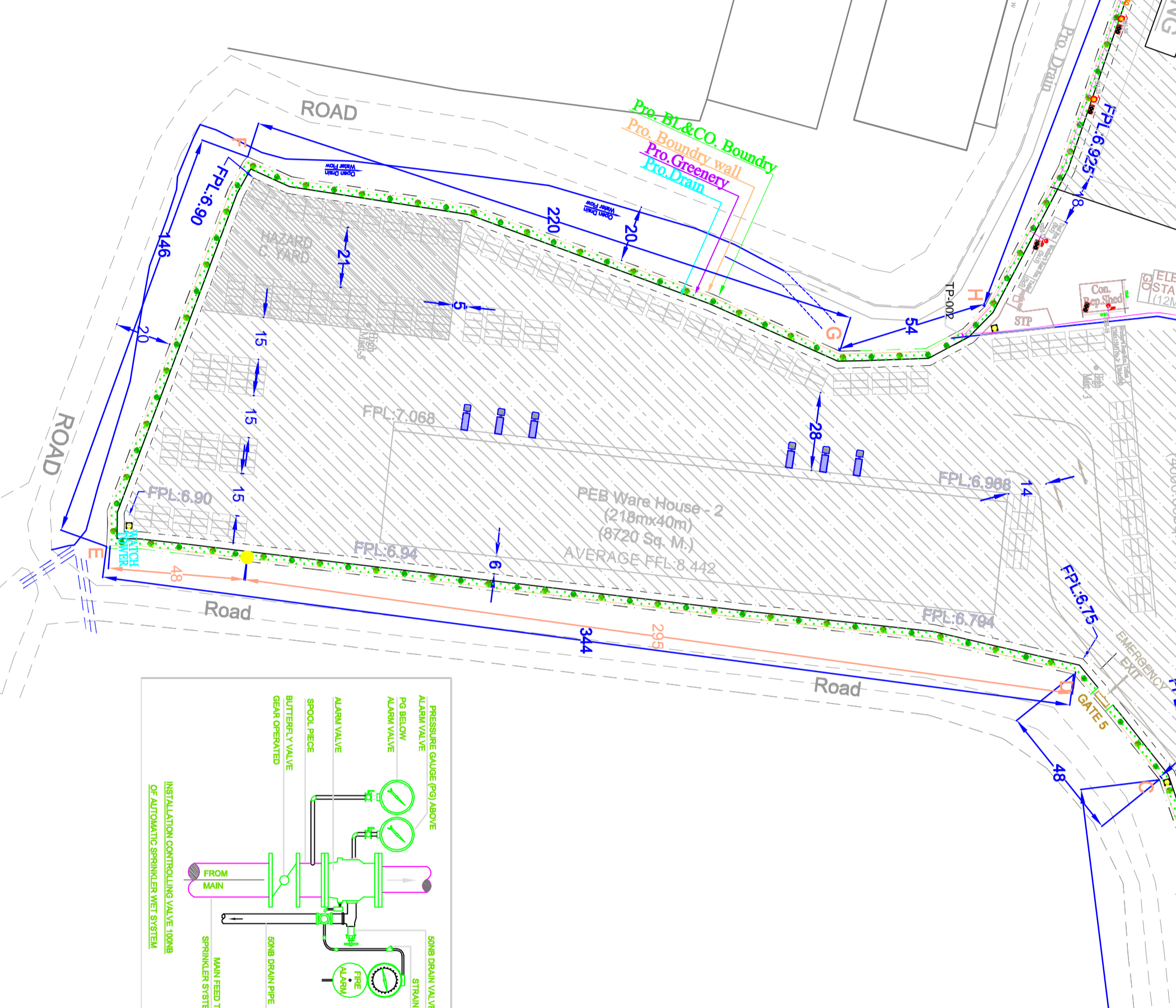


S.No.	DESCRIPTION	Sq. M.
A	EMU AREA TOTAL	5714.00
I	EMU FEED WAREHOUSE - 1	4000.00
II	OPEN CHARGO STORAGE YARD	1041.00
III	TOW	1820.00
IV	ROUNDED TRUCK PARKING AREA	2800.00
V	ADMIN BUILDING (22500 sq. m. 2nd FLOOR)	2800.00
VI	WORKERS REST ROOM (20m x 5m)	100.00
VII	WATER RESIST ROOM (20m x 5m)	100.00
VIII	ELECTRICAL SUB STATION (20m x 6m)	120.00
IX	WEIGH BRIDGE CONTROL ROOM (2 Nos)	180.00
X	WEIGH BRIDGE CONTROL ROOM (2 Nos)	180.00
XI	CANTYEN (WORKERS)	180.00
XII	SECURITY GATE OFFICE (2 Nos)	360.00
XIII	REST ROOM / TOILET	150.00
XIV	REST ROOM / TOILET	150.00
XV	O&G FIRE WATER RESERVOIR (300 KL)	450.00
XVI	G&I (G&I KL)	20.00
XVII	ROOF FIVE POTABLE WATER TANK ON ADMIN BUILDING TERRACE (10*10 KL)	150.00
XVIII	ABEA FOR FACILITIES IN EDU	15725.00
A	EMU AREA TOTAL	47028.00
I	DOMESTIC FEED WAREHOUSE - 2	4000.00
II	OPEN CHARGO STORAGE YARD	2400.00
III	WORKERS REST ROOM (20m x 5m)	100.00
IV	NON ROUNDED TRUCK PARKING AREA	3825.00
V	ADMIN BUILDING (FP)	1644.00
VI	ELECTRICAL SUB STATION (20m x 6m)	120.00
VII	CONTAINER REPAIRING SHED	150.00
VIII	LI ROOM (12m x 8m)	96.00
IX	DRESSING ROOM / TOILET (20m x 5m)	100.00
X	DRESSING ROOM / TOILET (20m x 5m)	100.00
XI	TOILET ROOM (5m x 5m)	40.00
XII	TOILET ROOM (5m x 5m)	40.00
XIII	SECURITY GATE OFFICE	40.00
XIV	WEIGH BRIDGE CONTROL ROOM (20m x 5m)	50.00
XV	WEIGH BRIDGE CONTROL ROOM (20m x 5m)	50.00
XVI	SPRINKLER WATER TANK (200 KL)	180.00
XVII	O&G FIRE WATER RESERVOIR (200 KL)	120.00
XVIII	G&I (G&I KL)	120.00
XIX	ABEA FOR FACILITIES IN DOMESTIC	12893.00

S.No.	DESCRIPTION	Sq. M.
A	EMU AREA TOTAL	47028.00
I	DOMESTIC FEED WAREHOUSE - 2	4000.00
II	OPEN CHARGO STORAGE YARD	2400.00
III	WORKERS REST ROOM (20m x 5m)	100.00
IV	NON ROUNDED TRUCK PARKING AREA	3825.00
V	ADMIN BUILDING (FP)	1644.00
VI	ELECTRICAL SUB STATION (20m x 6m)	120.00
VII	CONTAINER REPAIRING SHED	150.00
VIII	LI ROOM (12m x 8m)	96.00
IX	DRESSING ROOM / TOILET (20m x 5m)	100.00
X	DRESSING ROOM / TOILET (20m x 5m)	100.00
XI	TOILET ROOM (5m x 5m)	40.00
XII	TOILET ROOM (5m x 5m)	40.00
XIII	SECURITY GATE OFFICE	40.00
XIV	WEIGH BRIDGE CONTROL ROOM (20m x 5m)	50.00
XV	WEIGH BRIDGE CONTROL ROOM (20m x 5m)	50.00
XVI	SPRINKLER WATER TANK (200 KL)	180.00
XVII	O&G FIRE WATER RESERVOIR (200 KL)	120.00
XVIII	G&I (G&I KL)	120.00
XIX	ABEA FOR FACILITIES IN DOMESTIC	9415.00

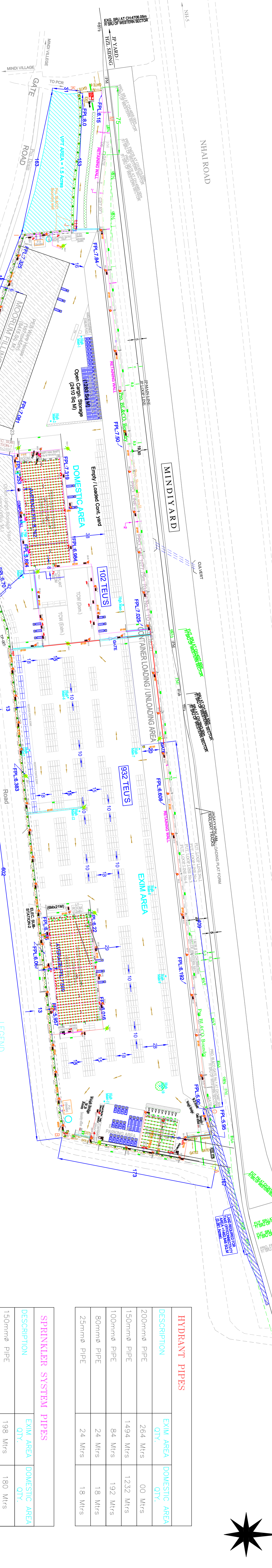


S.No.	DESCRIPTION	DISCH. Capacity (L/min)	HEAD (M)	HP	QTY.
1.	FIRE PUMP DIESEL	0	17m/hy	70	85.1 NO.
2.	FIRE MAIN PUMP (ELECTRICAL)	E	17m/hy	70	75.1 NO.
3.	Jockey Pump	J	10m/hy	88	15.1 NO.
4.	BOOSTER PUMP (ELECTRICAL)	B	450 LPM	35	124.1 NO.

S.No.	DESCRIPTION	DISCH. Capacity (L/min)	HEAD (M)	HP	QTY.
1.	FIRE PUMP DIESEL	0	17m/hy	70	85.1 NO.
2.	FIRE MAIN PUMP (ELECTRICAL)	E	17m/hy	70	75.1 NO.
3.	Jockey Pump	J	10m/hy	88	15.1 NO.
4.	BOOSTER PUMP (ELECTRICAL)	B	450 LPM	35	124.1 NO.

SL No.	SYMBOL	DESCRIPTION	EXIM AREA QTY.	DOMESTIC AREA QTY.
1.	—	FIRE WATER LINE MS 'C' CLASS / HEAVY		
2.	—	FIRE WATER LINE MS 'C' CLASS / HEAVY		
3.	—	WRAPPING PIPE ASPER SITE CONDITION		
4.	—	SINGLE YARD HYDRANT (SH)	41 Nos.	28 Nos.
5.	—	FIRE ESCAPE HYDRANT (FEH)	15 Nos.	18 Nos.
6.	—	HOSE BOX	56 Nos.	48 Nos.
7.	—	BUTTERFLY VALVE (BV) 2200	02 Nos.	00 Nos.
8.	—	FIRST AID HOSE REEL 1100	10 Nos.	10 Nos.
9.	—	FIRE WATER MONITOR (FWM) 4100	02 Nos.	01 No.
10.	—	WATER/FOAM MONITOR (WM)	07 Nos.	05 Nos.
11.	—	SPRINKLERS	600 Nos.	555 Nos.
12.	—	ALARM VALVE VALVE (AV)	04 Nos.	03+1 Nos.
13.	—	FUTURE CONNECTION	01 No.	01 No.
14.	—	ø25 TESTING DRAIN POINT	06 Nos.	06 Nos.
15.	—	FLOW SWITCH	04 Nos.	04 Nos.

NOTE: Above HP ratings are minimum.



DESCRIPTION	EXIM AREA QTY.	DOMESTIC AREA QTY.
HYDRANT PIPES		
200mmø PIPE	264 Mtrs	00 Mtrs
150mmø PIPE	1494 Mtrs	1232 Mtrs
100mmø PIPE	84 Mtrs	192 Mtrs
80mmø PIPE	24 Mtrs	18 Mtrs
25mmø PIPE	24 Mtrs	18 Mtrs

DESCRIPTION	EXIM AREA QTY.	DOMESTIC AREA QTY.
SPRINKLER SYSTEM PIPES		
150mmø PIPE	198 Mtrs	180 Mtrs
100mmø PIPE	432 Mtrs	378 Mtrs
80mmø PIPE	18 Mtrs	— Mtrs
65mmø PIPE	12 Mtrs	— Mtrs
50mmø PIPE	664 Mtrs	544 Mtrs
40mmø PIPE	662 Mtrs	510 Mtrs
32mmø PIPE	594 Mtrs	442 Mtrs
25mmø PIPE	240 Mtrs	00 Mtrs

**TENDER PURPOSE ONLY**

**CLIENT:** VISAKHAPATNAM PORT LOGISTICS PARK LIMITED.  
(A BALMER LAWRIE - VISAKHAPATNAM PORT TRUST JV)

**PROJECT:** PROPOSED MULTI MODAL LOGISTICS HUB AT VIZAG

**TITLE:** FIRE FIGHTING LAYOUT

**CONSULTANTS:** **aarvee associates**  
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**DRG. NO.:** AA/RP/1891/BLAQ/LMP  
**SCALE:** 1:1000 (A0)

**SHEET No.:** 1/1  
**Rev. No.:** 018

**ISSUED Dt.:** 13-09-2014  
**Rev. Dt.:** 24-11-17

**DRAWN BY:** A.V. NARESH / AM (Drawing)  
**CHECKED BY:** CHAITANYA / Manager  
**APPROVED BY:** TVSS RAO / A.V.P