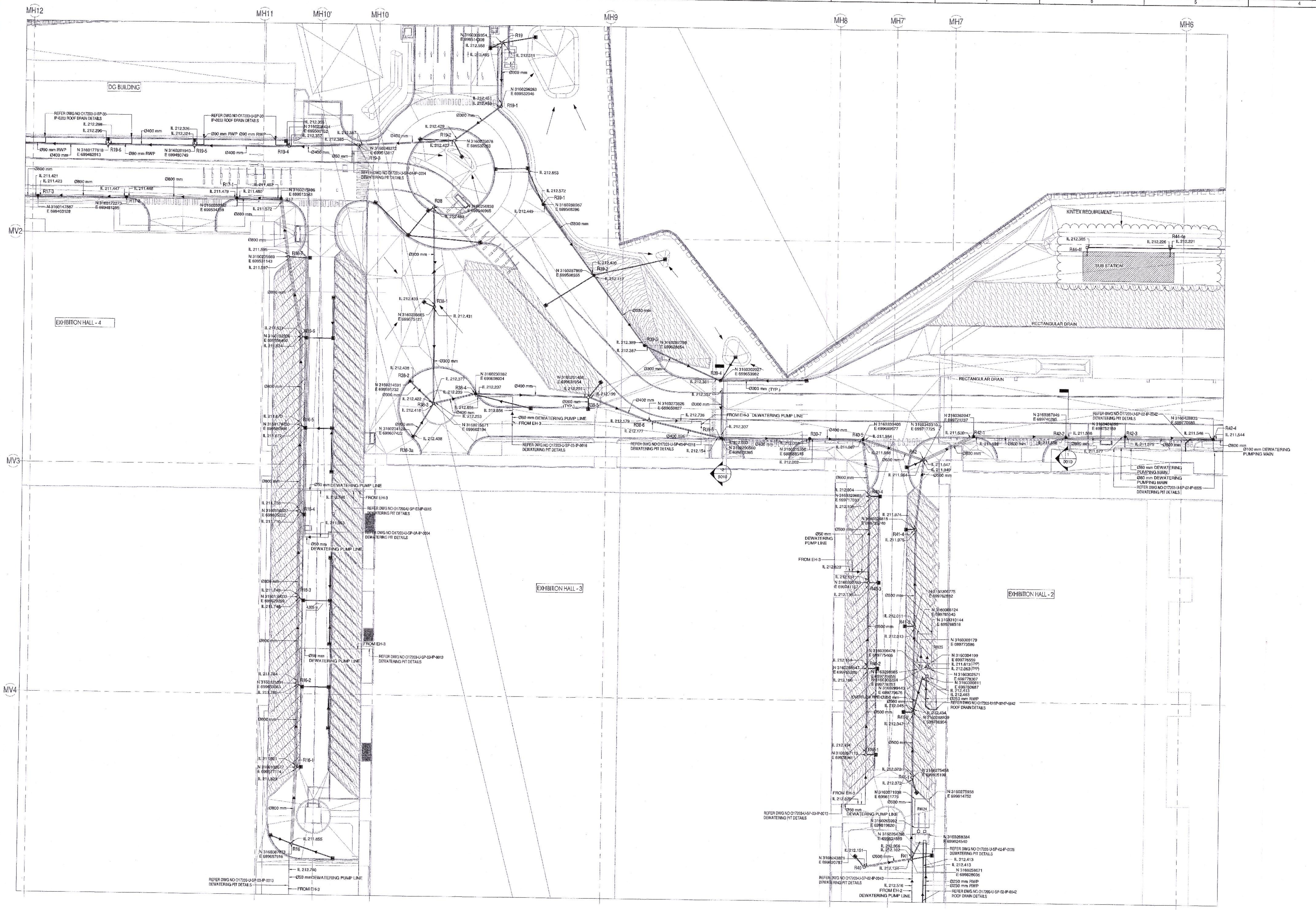
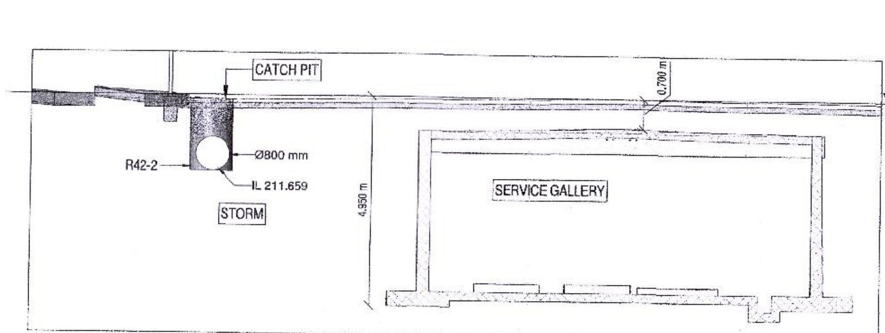
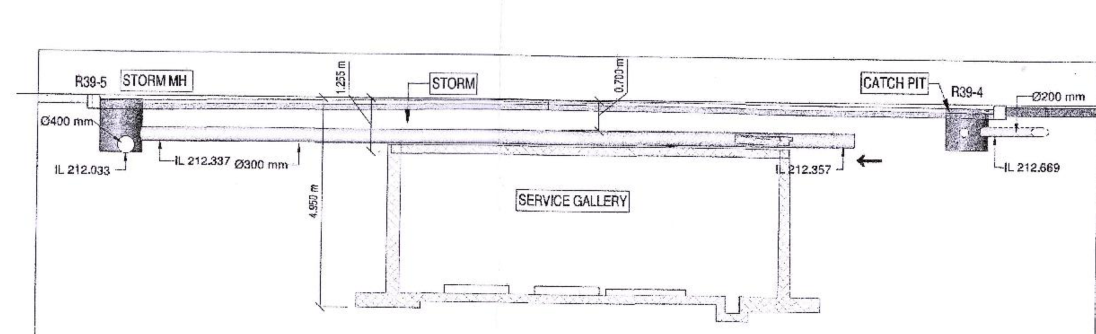
PDF Compressor Free Version



A (0010) EXTERNAL STORM WATER DRAIN LAYOUT PART 2 of 7
1 : 500



1 (0010) SECTION 1 (SHEET 2)
1 : 100



2 (0010) SECTION 2 (SHEET 2)
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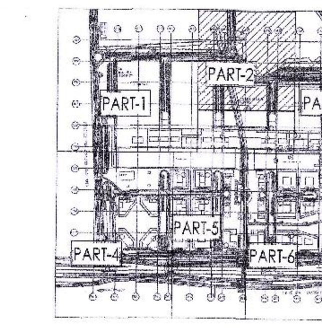

KEY PLAN

REFERENCE DWG NOS FOR DEWATERING PIT PUMPING MAIN		
1	SERVICE GALLERY	O17203-U-SP-0A-IP-0004
2	FOYER - 1	O17203-U-SP-01-IP-0044
3	FOYER - 2	O17203-U-SP-02-IP-0044
4	CC PARKING	O17203-U-SP-38-IP-0044
5	CC BUILDING	O17203-U-SP-07-IP-0100 & 0101
6	RAMP 01	O17203-U-SP-0B-IP-0001 & 0002
7	RAMP 02	O17203-U-SP-0B-IP-0004
8	RAMP 03	O17203-U-SP-38-IP-0009
9	RAMP 05	O17203-U-SP-0B-IP-0005
10	RAMP 06	O17203-U-SP-03-IP-0013
11	RAMP 04	O17203-U-SP-0B-IP-0006
12	EXHIBITION HALL 01	O17203-U-SP-01-IP-0033 & 0057
13	EXHIBITION HALL 02	O17203-U-SP-02-IP-0026 & 0045
14	EXHIBITION HALL 03	O17203-U-SP-03-IP-0013, 0014 & 0016
15	EXTERNAL ELE.SUBSTATION	O17203-U-SP-0A-IP-0012

STORM WATER PUMPING STATION/WATER FEATURE SCHEDULE FOR ELECTRICAL FEEDER REF.

REF.NO	FEEDER PILLAR LOCATION	FEEDER PILLAR NO.
PS1	EH-03	09
PS2	SUBSTATION NEAR ARENA AREA	10
PS3	SUBSTATION NEAR ARENA AREA	24
PS4	SUBSTATION NEAR ARENA AREA	25
PS5	SUBSTATION NEAR ARENA AREA	26
PS6	SUBSTATION NEAR ESS AREA	03
PS7	SUBSTATION NEAR ESS AREA	27
WBI-1	SUBSTATION NEAR ARENA AREA	14
WBI-2	EH-03	10
WBI-3	EH-03	11
WM PGA-1	EH-03	12

LEGEND:	
IL	INVERT LEVEL
(symbol)	STORM WATER MANHOLE WITH COVER (COVER SIZE : 600x600 mm)
(symbol)	STORM WATER MANHOLE WITH GRATED COVER (COVER SIZE : 600x600 mm)
(symbol)	RAIN WATER COLLECTION PIT
(line)	STORM WATER PIPE (SWP)
(line)	RAIN WATER PIPE FROM COLLECTION PIT
(line)	ROOF RAIN WATER PIPE (RWP)
(line)	DEWATERING PUMP MAIN (DWPM)
(line)	WASTE PIPE (WP) - [DRAIN FROM DWF]
(line)	OVER FLOW PIPE (OFP) - [FROM DC & WBI]
▶	FLOW DIRECTION
RW	RAIN WATER HARVESTING PIT
DC	DESILTING CHAMBER
BF	BUCKET FILTER
PS-1 to PS-7	PUMPING STATION AT OUTFALL LOCATION WITH ELECTRICAL PANEL (DETAILS OF ELECTRICAL PANEL SHALL BE PART OF SHOP DRAWING)
DWF	DRINKING WATER FOUNTAIN
WBI	WATER BODIES / MIST SYSTEM

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING SHALL NOT BE SCALED, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. ALL PIPES ARE PE DOUBLE WALL CORRUGATED.
4. EXTERNAL STORM DRAIN PIPE LINE SCOPE HAS BEEN ADOPTED AS PER TENDER RFP REQUIREMENT.
5. REFER DESIGN CALCULATION SHEET FOR DIAMETER AND IL OF PIPES.
6. REFER DWG NOS - O17203-U-SP-00-SD-0009 TO 0015 FOR SEPARATE STORM WATER LAYOUT & REFER DWG. NO. O17203-U-SP-00-CO-0008, FOR OVER ALL STORM & SEWER COORDINATION LAYOUT.
7. WIDTH OF SLOT DRAIN OPENING SHALL BE 50mm WITH 60% REDUNDANCY REFER DRAWING NO: O17203-U-SP-00-SD-0017 FOR SLOT DRAIN.
8. STORM WATER FROM SLOT DRAIN SHALL BE CONNECTED TO STORM MANHOLES. THE CONNECTION MANHOLE NUMBERS ARE INDICATED IN THE DRAWING.
9. FOR GRADING PLAN REFER DRAWINGS O17203-N-SP-00-WD-0200 - 0220
10. FOR ROAD SECTIONS REFER DRAWINGS - O17203-N-SP-00-WD-0030 & O17203-N-SP-00-WD-0031
11. ALL STORM DRAIN PIPE CROSSING THE ROAD LESS THAN 800 MM DEPTH SHALL BE PROVIDED WITH PCC HAUNCHING
12. MANHOLES SHALL BE OF SIZE 1.0M DIAMETER FOR PIPE CONNECTION UPTO 0.60M DIA. AND 1.2M MANHOLE DIAMETER FOR FOR PIPE CONNECTION MORE THAN 0.60M DIA..
13. STORM WATER PUMPING STATIONS IN EACH OUTFALL WILL HAVE DIMENSION OF 5MX5MX6.5M.
14. STORM WATER PUMPING STATIONS WILL HAVE DEWATERING PUMPS OF CAPACITY 60LPS @ 12M HEAD (2W+1S).

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16/12/20

R0	ISSUED FOR CONSTRUCTION	01.10.20	KCB	UMS	SUMJ	AGJ
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD

Revisions

ARCHITECTURE		FPS	
STRUCTURAL		PHE	
ELECTRICAL		GEOTECH.	
ELV SYSTEM			
HVAC			
CHECKED BY	SIGN	DATE	CHECKED BY	SIGN	DATE

EPC Contractor
L&T Construction
Buildings & Factories

JOB No : O17203

Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE
SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No			Rev. No
U	00	0010	R0

Title :
EXTERNAL WORKS
EXTERNAL STORM WATER DRAIN LAYOUT - PART 2 OF 7

EDRC DWG No :	Scale	Sheet Size
O17203 - U - SP - 00 - SD - 0010	As indicated	A0

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