


COMPREHENSIVE UPGRADATION OF ROADS, PATHWAYS & LANDSCAPING AT MTPF-AVNL AMBERNATH, MAHARASHTRA		
S. No.	DESCRIPTION	DRAWING NO.
<b>A</b>	<b>UPGRADATION OF ROAD - WIDENING &amp; PATHWAYS</b>	
1	PROPOSED MASTER PLAN	RD/MH/AMBRT/01
2	ROAD NOMENCLATURE LAYOUT PLAN	RD/MH/AMBRT/02
3	DRONE SURVEY WITH ELEVATION LEVELS & CONTOURS	RD/MH/AMBRT/02A
4	ROAD UPGRADATION: DESIGN & IMPLEMENTATION FRAMEWORK	RD/MH/AMBRT/02B
5	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-01	RD/MH/AMBRT/03
6	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-02	RD/MH/AMBRT/04
7	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-03	RD/MH/AMBRT/05
8	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-04	RD/MH/AMBRT/06
9	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-05	RD/MH/AMBRT/07
10	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-07	RD/MH/AMBRT/08
11	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-08 & 09	RD/MH/AMBRT/09
12	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-11	RD/MH/AMBRT/10
13	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-13	RD/MH/AMBRT/11
14	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-14	RD/MH/AMBRT/12
15	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-15	RD/MH/AMBRT/13
16	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-17	RD/MH/AMBRT/14
17	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-18	RD/MH/AMBRT/15
18	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-21	RD/MH/AMBRT/16
19	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-22	RD/MH/AMBRT/17
20	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-23 & 24	RD/MH/AMBRT/18
21	TYPICAL CROSS SECTION OF PROPOSED UPGRADATIONS: ROAD- 4, 23 & 24	RD/MH/AMBRT/19





SUBMITTED BY  
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CLIENT  
 ARMOURED VEHICLES NIGAM LIMITED  
A GOVERNMENT OF INDIA ENTERPRISE,  
MINISTRY OF DEFENCE

PROJECT  
COMPREHENSIVE UPGRADATION OF ROADS, PATHWAYS, & LANDSCAPING AT MTPF-AVNL AMBERNATH, MAHARASHTRA

DRAWING  
PROPOSED MASTER PLAN

SCALE	NTS	DATE	23-01-2025	
DRAWN		CHECKED		APPROVED
	NITESH JAIN		AJAY RATHORE	
DRG. NO :	RD/MH/AMBRT/01	REVISIONS		
		0		





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PROJECT	COMPREHENSIVE UPGRADATION OF ROADS, PATHWAYS, & LANDSCAPING AT MTPF-AVNL AMBERNATH, MAHARASHTRA		
DRAWING	ROAD NOMENCLATURE LAYOUT PLAN		
SCALE	NTS	DATE	23-01-2025
DRAWN	NITESH JAIN	CHECKED	APPROVED
		AJAY RATHORE	
DRG. NO :	RD/MH/AMBRT/02	REVISIONS	
		0	





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DRAWING  
DRONE SURVEY WITH ELEVATION LEVELS  
& CONTOURS

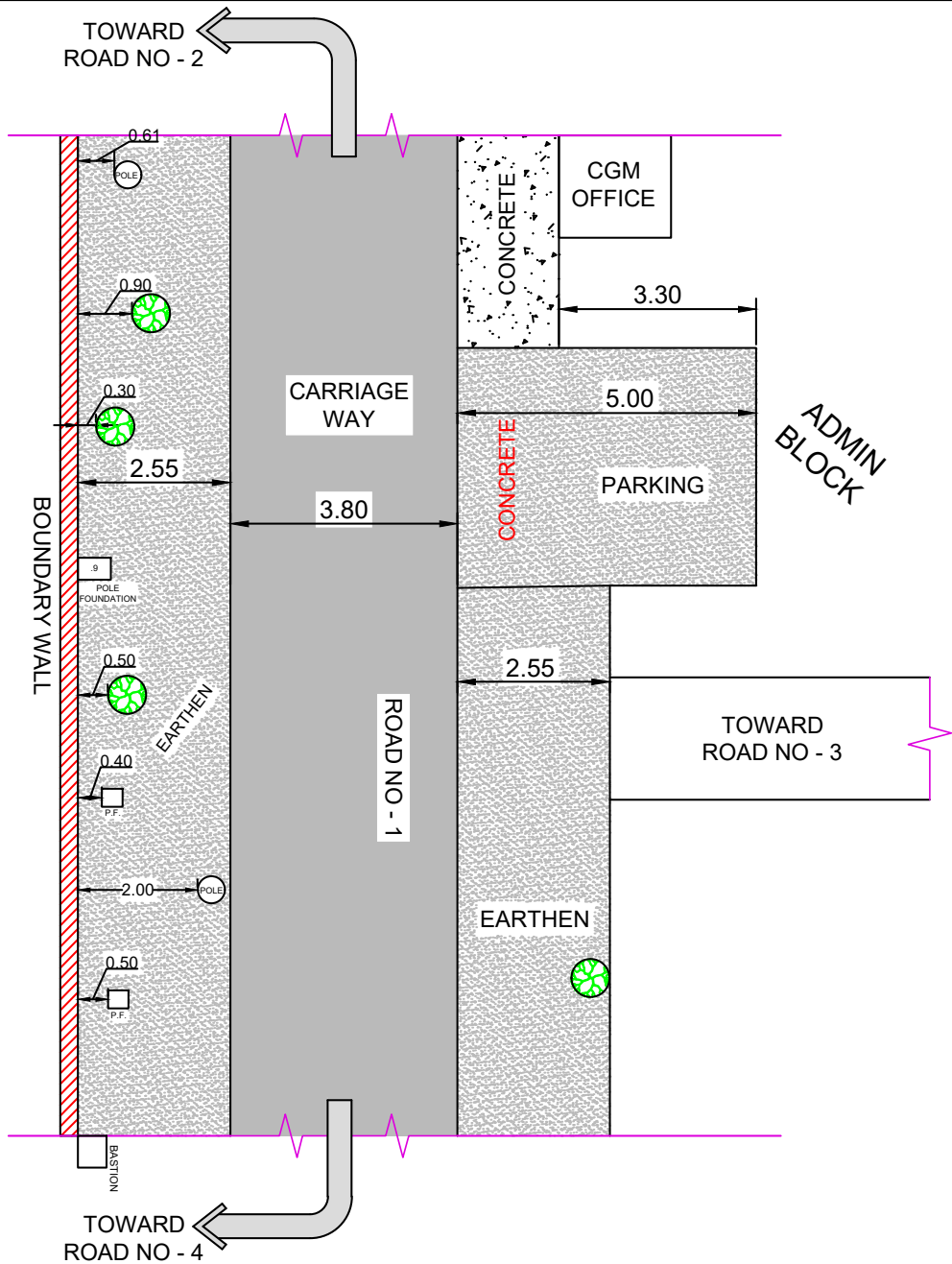
SCALE	NTS	DATE	23-01-2025	
DRAWN		CHECKED		APPROVED
	NITESH JAIN		AJAY RATHORE	
DRG. NO :	RD/MH/AMBRT/02	REVISIONS		
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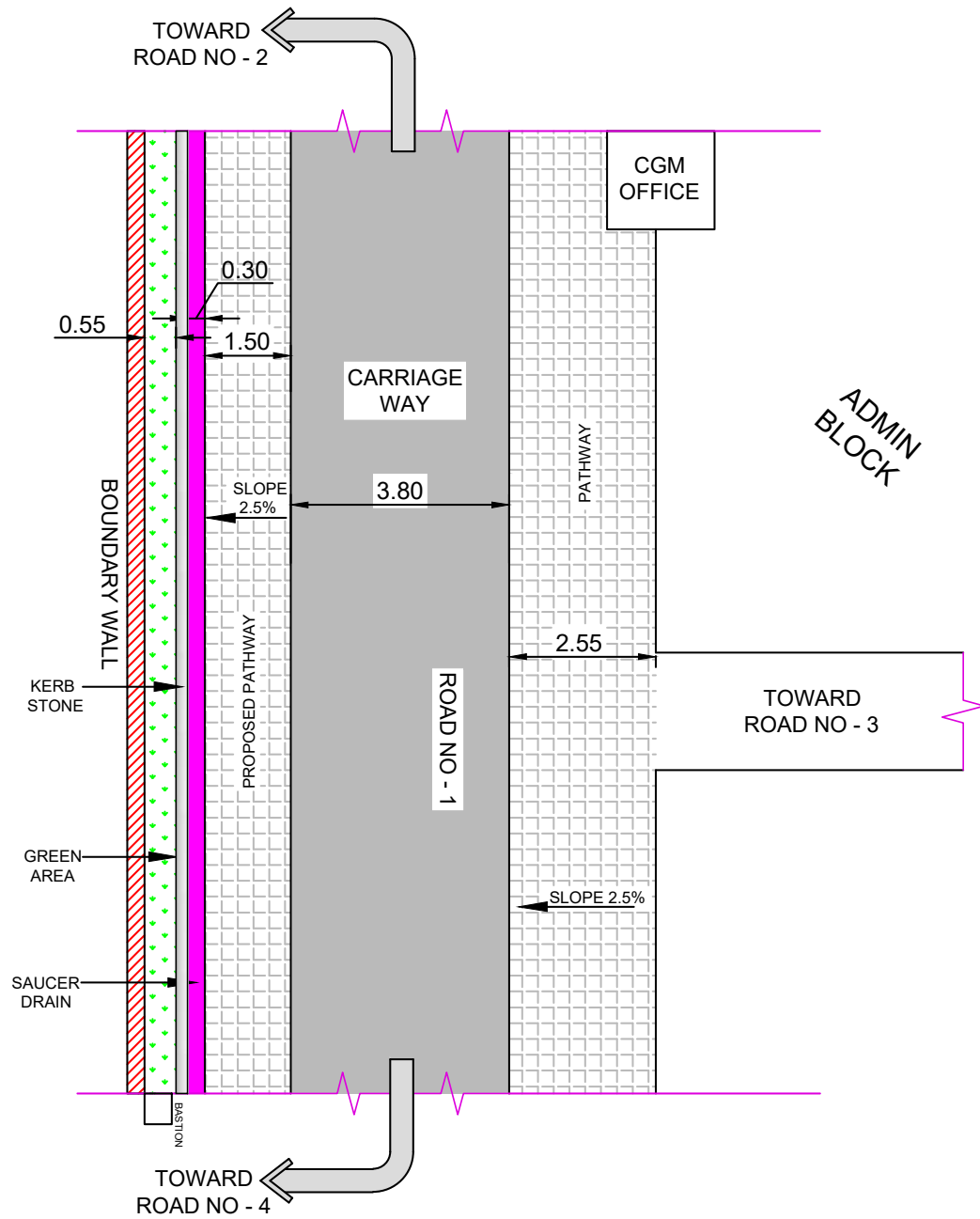


LEGEND		DESCRIPTION
		PROPOSAL TYPE - A
		PROPOSAL TYPE - B
		PROPOSAL TYPE - C
		PROPOSAL TYPE - D
<b>DESIGN CATEGORIES FOR ROAD UPGRADATION</b> THE ROAD UPGRADATION PLAN HAS BEEN CLASSIFIED INTO FOUR DISTINCT CATEGORIES BASED ON EXISTING CONDITIONS AND PROPOSED MODIFICATIONS.		
<b>TYPE A : - RETENTION OF EXISTING ROAD</b> FOR ROADS WITH ADEQUATE CARRIAGEWAY WIDTH AND STRUCTURALLY SOUND CONDITIONS, THE EXISTING CARRIAGEWAY IS RETAINED. HOWEVER, INTERLOCKING PAVER BLOCKS ARE PROPOSED FOR ENHANCED PEDESTRIAN PATHWAYS AND AESTHETICS.		
<b>TYPE B : - WIDENING OF EXISTING CARRIAGEWAY</b> ROADS WITH INSUFFICIENT CARRIAGEWAY WIDTH ARE PROPOSED FOR WIDENING. THE ADDITIONAL WIDTH WILL ENHANCE VEHICLE MOVEMENT EFFICIENCY. BOTH SIDES OF THE ROAD ARE PROPOSED TO HAVE INTERLOCKING PAVER BLOCKS.		
<b>TYPE : C - ROAD REDEVELOPMENT</b> IN CASES WHERE THE EXISTING ROAD IS DETERIORATED BEYOND REPAIR OR NEW ROADS ARE PLANNED, COMPLETE REDEVELOPMENT IS PROPOSED, INCORPORATING NECESSARY UNDERGROUND SERVICES.		
<b>TYPE : D - PROPOSAL FOR 80 MM THICK CARRIAGEWAY</b> FOR ROADS CONSTRAINED BY SPACE OR CONTAINING CRITICAL UNDERGROUND UTILITIES (E.G., ELECTRICAL TRENCHES), 80 MM THICK INTERLOCKING PAVERS ARE PROPOSED AS THE PRIMARY CARRIAGEWAY SURFACE. DRAINAGE WILL BE PLACED UNDER PATHWAYS INSTEAD OF THE CARRIAGEWAY.		
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PROJECT	COMPREHENSIVE UPGRADATION OF ROADS, PATHWAYS, & LANDSCAPING AT MTPF-AVNL AMBERNATH, MAHARASHTRA	
DRAWING	ROAD UPGRADATION: DESIGN & IMPLEMENTATION FRAMEWORK	
SCALE	NTS	DATE 23-01-2025
DRAWN  NITESH JAIN	CHECKED  AJAY RATHORE	APPROVED
DRG. NO :	RD/MH/AMBRT/02B	REVISIONS 0

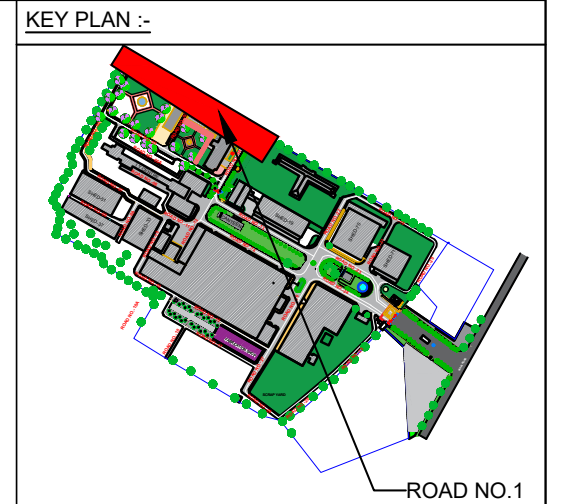




EXISTING ROAD LAYOUT PLAN  
FOR ROAD NO.1




PROPOSED UPGRADATIONS FOR  
ROAD NO.1



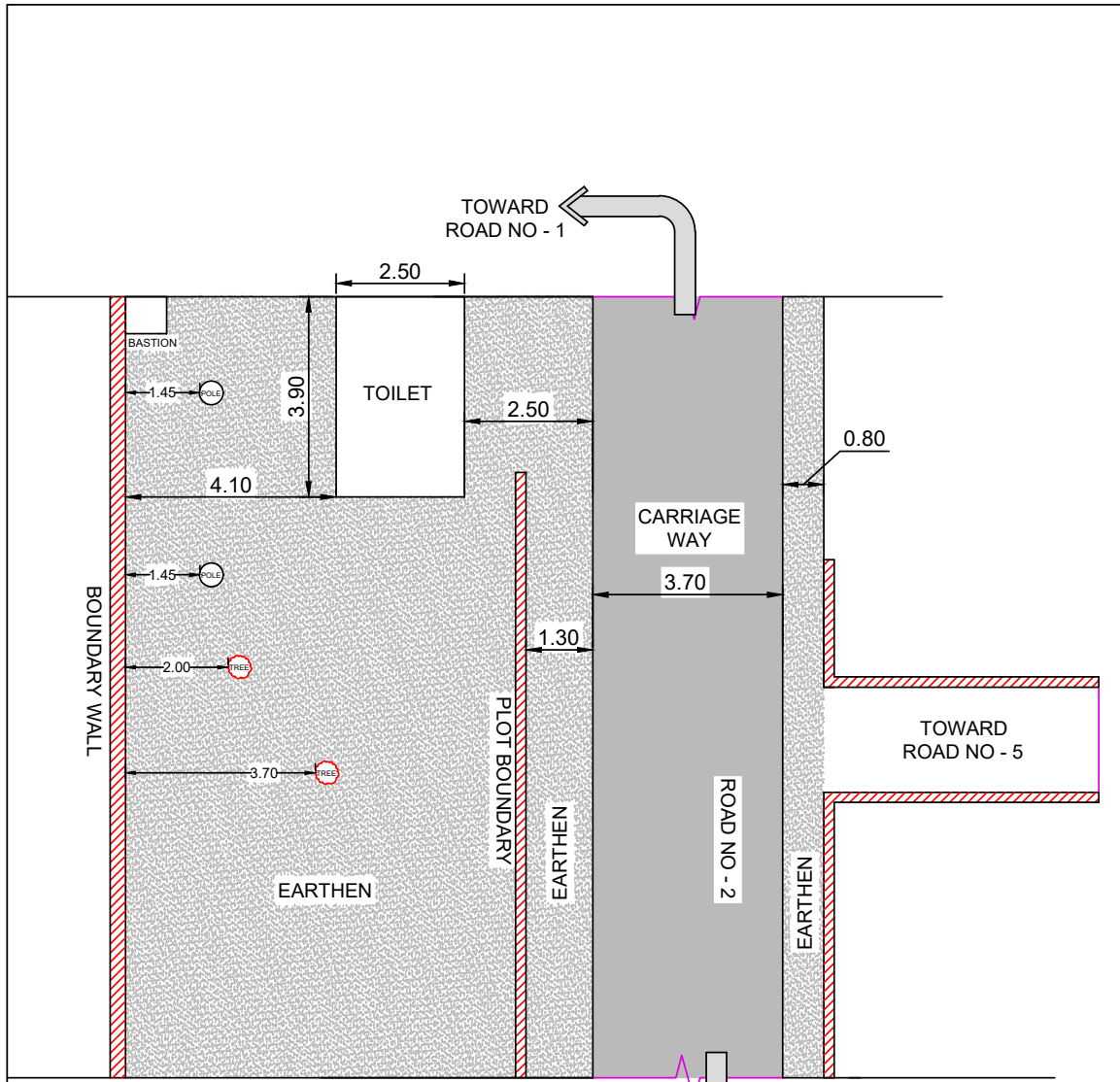
LEGEND	DESCRIPTION
	BOUNDARY WALL
	SAUCER DRAIN
	GREEN AREA
	KERB STONE
	CARRIAGE WAY
	PATHWAY

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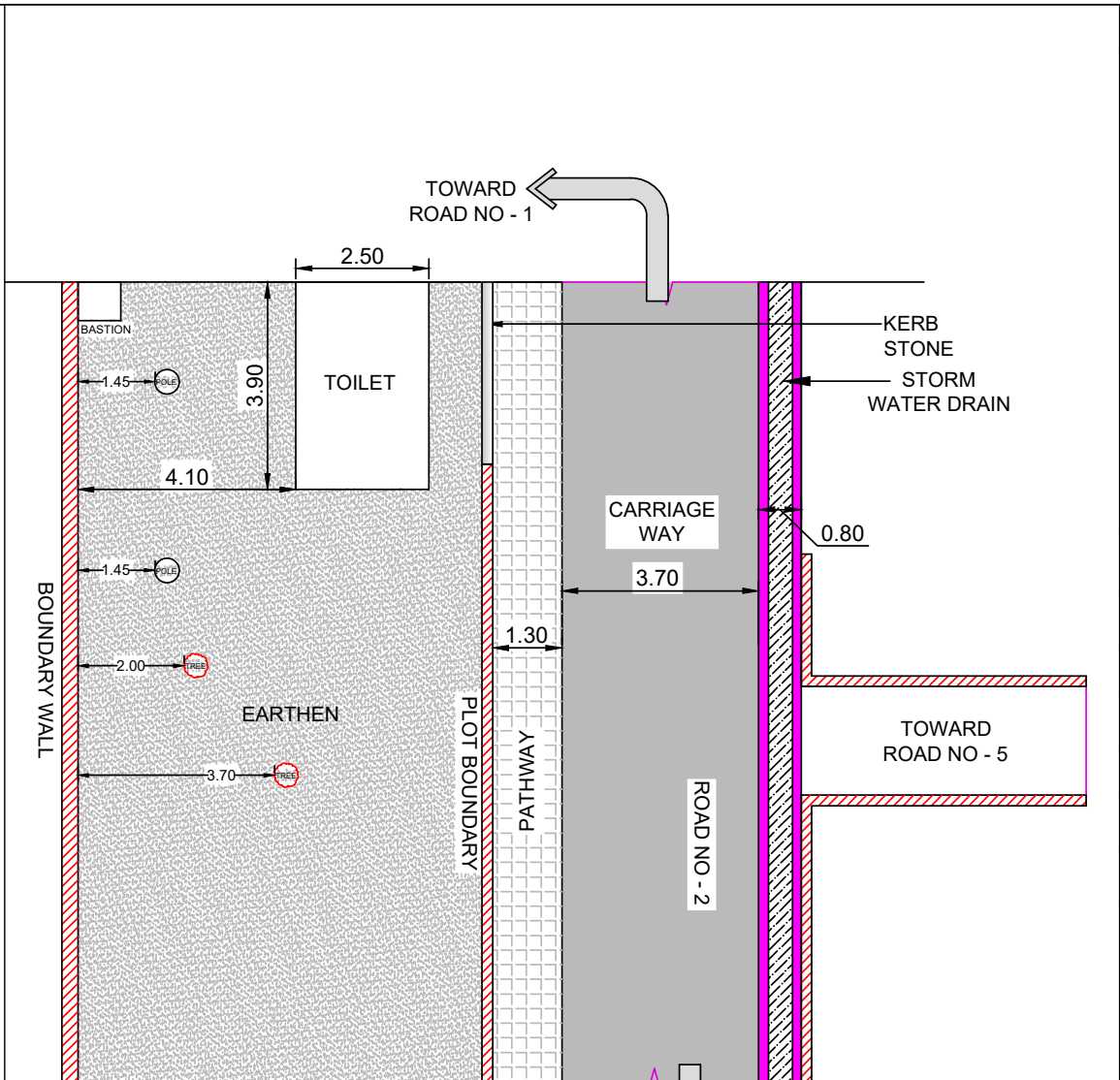
<div>CLIENT</div> <div><div>सत्यं धर्मो जयते</div></div>		ARMOURED VEHICLES NIGAM LIMITED A GOVERNMENT OF INDIA ENTERPRISE, MINISTRY OF DEFENCE					
PROJECT		COMPREHENSIVE UPGRADATION OF ROADS, PATHWAYS, & LANDSCAPING AT MTPF-AVNL AMBERNATH, MAHARASHTRA					
DRAWING		TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-01					
SCALE		NTS		DATE 23-01-2025			
DRAWN		NITESH JAIN		CHECKED		APPROVED	
				AJAY RATHORE			
DRG. NO : RD/MH/AMBRT/03				REVISIONS			
				0			

Road Upgradation		Road No. - 1		Services Upgradations	
Road Length (m)	175			Saucer Drain	One Sided
Existing Carriage Way (m)	3.8			Drain Section	N/A
Proposed Carriage Way (m)	3.8			Sewer	N/A
Kerb Stone	One Side			Water Supply	N/A
Pathway (m)	Both Side (60 mm)				
<b>Remarks:</b> To protect the foundations of the poles and trees (as indicated in the plan), it is proposed to maintain a pathway with a width of 1.5 meters, followed by a saucer drain and kerb stones. The cycle parking behind the Admin Block will be removed and relocated to Road No. 3 to enhance the facade of the Admin Block.					



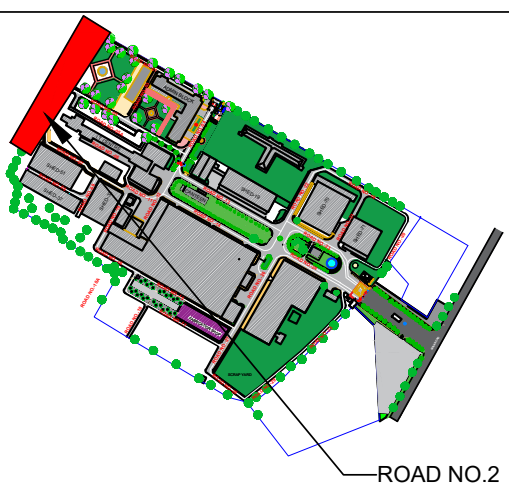


EXISTING ROAD LAYOUT PLAN  
FOR ROAD NO.2




PROPOSED UPGRADATIONS FOR  
ROAD NO.2

KEY PLAN :-



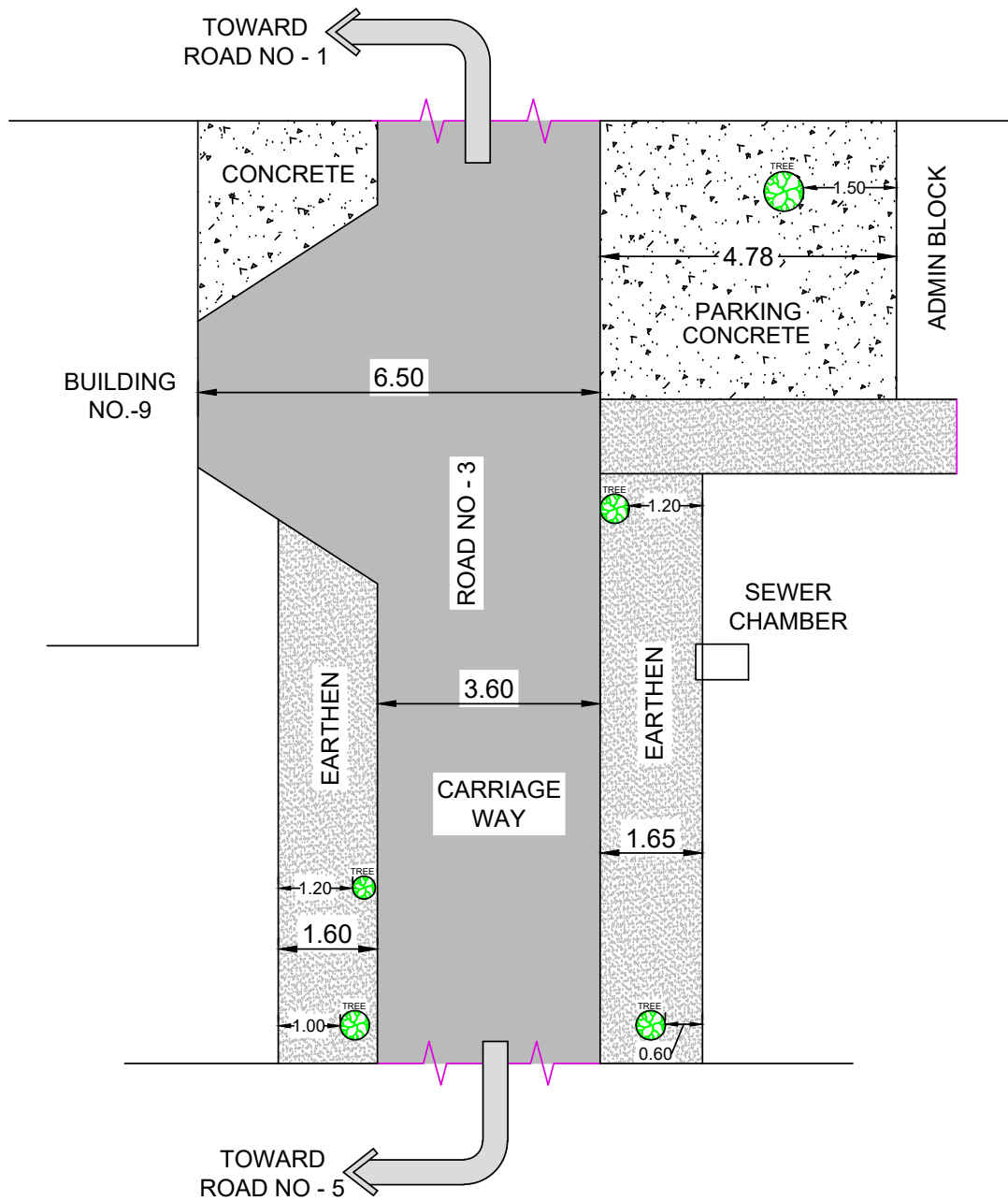
LEGEND	DESCRIPTION
	BOUNDARY WALL
	KERB STONE
	CARRIAGE WAY
	STORM WATER DRAIN
	PATHWAY
	EARTHEN

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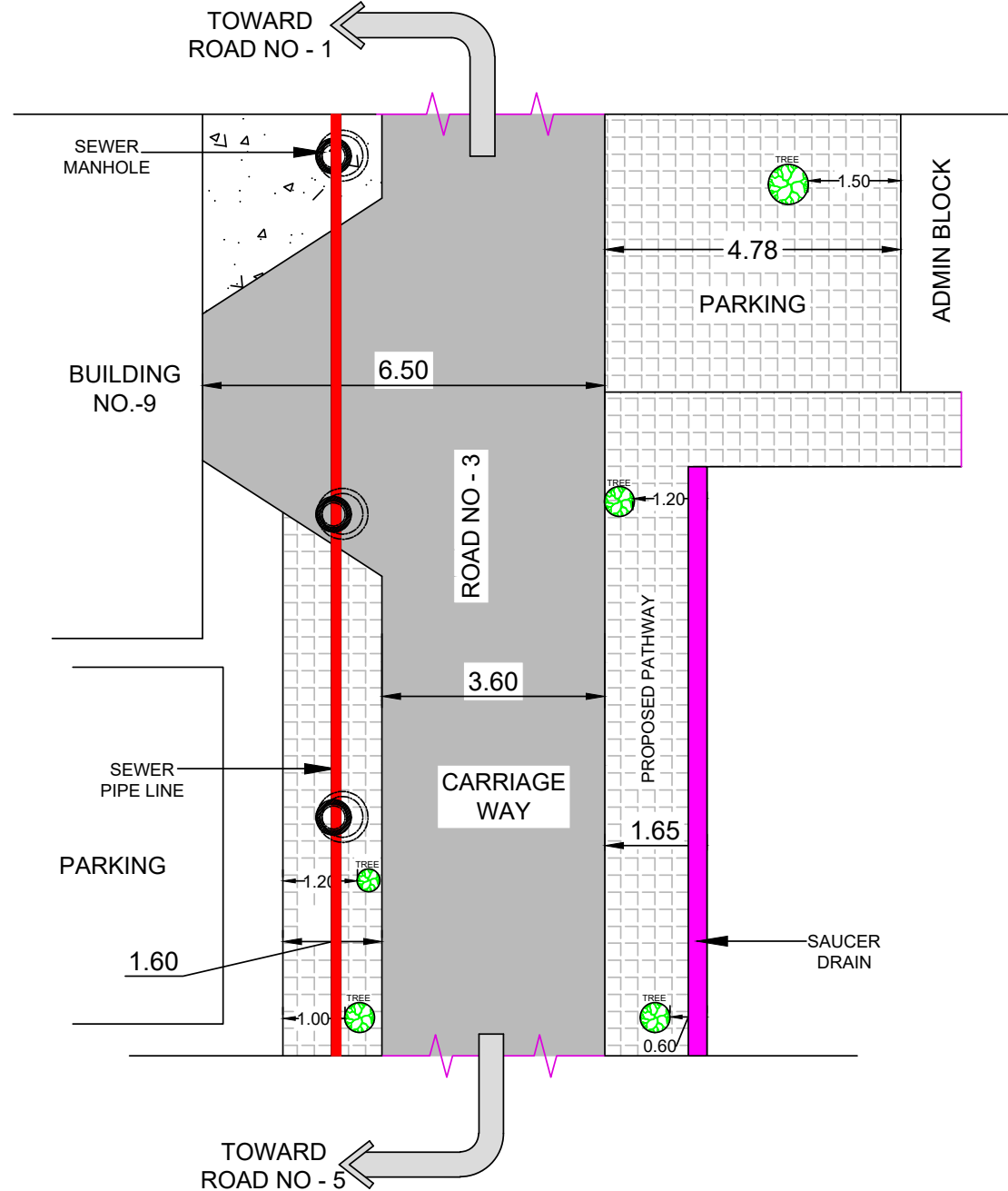
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		PROJECT			
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DRAWING		TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-02			
SCALE		NTS	DATE	23-01-2025	
DRAWN		CHECKED		APPROVED	
NITESH JAIN		AJAY RATHORE			
DRG. NO :			RD/MH/AMBRT/04		REVISIONS
			0		

Road No. - 2			
Road Upgradation		Services Upgradations	
Road Length (m)	145	Saucer Drain Laying	N/A
Existing Carriage Way (m)	3.7	Drain Section Laying	One Sided - 450 mm
Proposed Carriage Way (m)	3.7	Sewer Laying	N/A
Kerb Stone	One Side	Water Supply Laying	N/A
Pathway (m)	One Side (60 mm)		
<b>Remarks:</b> There is a plot boundary located 1.3 meters from the carriageway near the boundary wall. Without disturbing the plot boundary, it is proposed to provide a 1.3-meter-wide pathway made of interlocking blocks. On the other side of the road, a drainage system with a 0.45-meter section is proposed. The top of the drain will be kept 0.3 meters above the existing road level, as this is a peripheral road.			



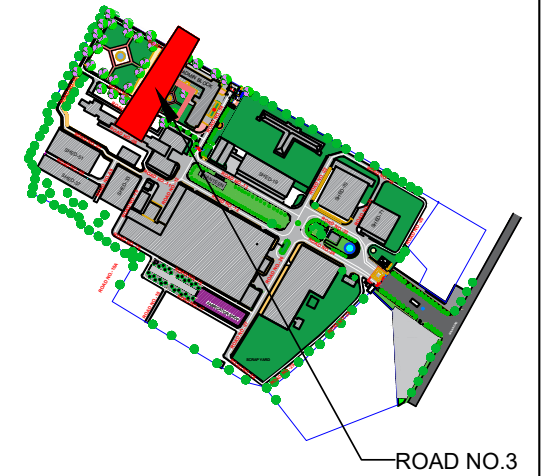


EXISTING ROAD LAYOUT PLAN  
FOR ROAD NO.3



PROPOSED UPGRADATIONS FOR  
ROAD NO.3

KEY PLAN :-



LEGEND	DESCRIPTION
	SEWER PIPELINE
	SEWER MANHOLE
	CARRIAGE WAY
	TREE
	PATHWAY
	SAUCER DRAIN
	CONCRETE

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DRAWING	TYPICAL LAYOUT PLAN OF EXISTING ROAD & PROPOSED UPGRADATIONS: ROAD-03		
SCALE	NTS	DATE	23-01-2025
DRAWN	NITESH JAIN	CHECKED	APPROVED
		AJAY RATHORE	
DRG. NO :	RD/MH/AMBRT/05	REVISIONS	
		0	

Road Upgradation		Road No. - 3		Services Upgradations	
Road Length (m)	75			Saucer Drain Laying	One Sided
Existing Carriage Way (m)	3.6			Drain Section Laying	N/A
Proposed Carriage Way (m)	3.6			Sewer Laying	One Sided
Kerb Stone	N/A			Water Supply Laying	N/A
Pathway (m)	Both Side (80 mm)				
<b>Remarks:</b> As indicated in the plan, there is an existing cycle parking area in front of Building No. 9, which shall be removed. A dedicated centralized cycle parking facility will be constructed near Building No. 9. At the location of the existing parking area, a pathway is proposed to enhance the road aesthetics. Near Building No. 9, towards Road No. 5, a dedicated centralized cycle parking facility is proposed. Instead of widening the road, it is proposed to use 80mm-thick paver blocks that can withstand traffic loads. The designed sewerage network (Manhole Type A) will pass near Building No. 9, where pathway is also proposed. On the other side of the road, after the proposed pathway, a saucer drain will be installed and connected to the proposed drainage network through a chamber. During the pathway construction, the existing trees shall be preserved.					