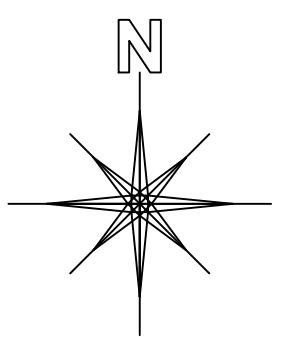


LOCATION PLAN ILLUSTRATING APPLICATION SITE AREA, TEMPORARY CONSTRUCTION ACCESS ROUTE AND APPLICANTS OWNERSHIP BOUNDARY ONTO ORDNANCE SURVEY MAP

CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK
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- APPLICATION SITE AREA REQUIRED FOR PROJECT INSTALLATION WITH TEMPORARY CONSTRUCTION ACCESS ROUTE ADJOINING CHENIES ROAD
- LAND AREA UNDER OWNERSHIP OF THE APPLICANT



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AUTHOR: ST CLEMENT DANES SCHOOL
 CLIENT: ARTIFICIAL GRASS PITCH (AGP)
 PROJECT: LOCATION PLAN

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PLANNING	TB	01
DATE	ISSUED	DATE
15UK 19-0209	19.03.2020	19-0209 BM25583 0499 01
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SITE PLAN ILLUSTRATING AGP AND ADDITIONAL CAR PARK PROPOSAL, APPLICATION SITE AREA, PERMANENT VEHICLE PARKING FOR COMMUNITY VISITORS, TEMPORARY CONSTRUCTION ACCESS ROUTE AND APPLICANTS OWNERSHIP BOUNDARY ONTO ORDNANCE SURVEY MAP

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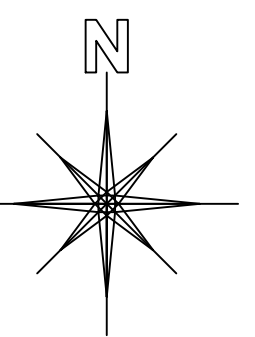


- APPLICATION SITE AREA REQUIRED FOR PROJECT INSTALLATION WITH TEMPORARY CONSTRUCTION ACCESS ROUTE ADJOINING CHENIES ROAD
- LAND AREA UNDER OWNERSHIP OF THE APPLICANT
- 142 CAR PARKING SPACES AVAILABLE FOR COMMUNITY VISITORS

ADVISORY NOTES

PLANNING PERMISSION IS SOUGHT TO CREATE NEW EXTERNAL SPORTS FACILITY WITH ASSOCIATED FEATURES INCLUDING:

1. INSTALLATION OF NEW ARTIFICIAL GRASS PITCH (AGP) WITH 106 X 70M FIELD OF PLAY WITH PITCH MARKINGS TO ACCOMMODATE A VARIETY OF FOOTBALL PITCHES, MINI SOCCER PITCHES AND TRAINING AREAS
2. INSTALLATION OF NEW BALL STOP FENCING (4.5M HIGH) WITH ENTRANCE GATES AND ACCESS GATES TO AGP PERIMETER
3. INSTALLATION OF NEW PITCH PERIMETER BARRIER (2.0M AND 1.2M HIGH) WITH ENTRANCE GATES INTERNALLY WITHIN AGP ENCLOSURE, TO SEGREGATE THE PITCH PLAYING AREA FROM ADJOINING RESPECT SPECTATOR AREA
4. INSTALLATION OF NEW HARD STANDING AREAS ADJOINING THE AGP PERIMETER COMPLETE WITH ASSOCIATED POROUS ASPHALT SURFACING FOR PEDESTRIAN ACCESS AND CIRCULATION, GOALS STORAGE AND VEHICULAR MAINTENANCE AND EMERGENCY ACCESS
5. INSTALLATION OF NEW FLOODLIGHT SYSTEM SURROUNDING AGP
6. INSTALLATION OF NEW MAINTENANCE EQUIPMENT STORE WITHIN AGP FENCED ENCLOSURE
7. INSTALLATION OF GRASSED MOUND ADJACENT TO AGP FORMED WITH SOILS GENERATED FROM AGP CONSTRUCTION PROCESS WITH SCREEN PLANTING



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AUTHOR: ST CLEMENT DANES SCHOOL
 CLIENT: ARTIFICIAL GRASS PITCH (AGP)
 PROJECT: SITE PLAN

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PLANNING	TB	19.03.2020		02
LSUK 19-0209		19.03.2020		
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ARTIFICIAL GRASS PITCH (AGP) PROPOSAL

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ADVISORY NOTES

ARTIFICIAL GRASS PITCH (AGP):

THE FOOTBALL ASSOCIATION 11V11 FOOTBALL TURF PITCH OPTION 4

AGP FIELD OF PLAY:
106 X 70M

MAIN PITCH SIZE:
100 X 64M (U17/U18 AND OPEN AGES)
COLOURED WHITE

OVER-MARKINGS:
2NO. 63.8X 45.9M (U11/U12, 9V9*)
COLOURED BLUE

2NO. 55 X 37M (U9 / U10, 7V7)
COLOURED YELLOW

4NO. 37 X 27M (U7 / U8, 5V5)
COLOURED RED

4NO. 48 X 30M (TRAINING ONLY)
COLOURED RED

*SMALLER THAN RECOMMENDED SIZE, BUT ACCEPTABLE FOR MATCH PLAY USE

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4. INSTALLATION OF NEW HARD STANDING AREAS ADJOINING THE AGP PERIMETER COMPLETE WITH ASSOCIATED POROUS ASPHALT SURFACING FOR PEDESTRIAN ACCESS AND CIRCULATION, GOALS STORAGE AND VEHICULAR MAINTENANCE AND EMERGENCY ACCESS
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6. INSTALLATION OF NEW MAINTENANCE EQUIPMENT STORE WITHIN AGP FENCED ENCLOSURE
7. INSTALLATION OF GRASSED MOUND ADJACENT TO AGP FORMED WITH SOILS GENERATED FROM AGP CONSTRUCTION PROCESS WITH SCREEN PLANTING

PLAYING FIELD / PLAYING PITCH LAYOUT TO BE REARRANGED TO SUIT SUMMER AND WINTER CURRICULUM REQUIREMENTS

AGP OFFSET FROM TREE-LINED BOUNDARY TO AVOID CANOPIES / ROOT PROTECTION AREAS / POTENTIAL BAT FORAGING CORRIDOR

SCULPTED GRASS MOUND WITH SCREEN PLANTING LOCATED ALONG NORTHERN AGP PERIMETER

EMERGENCY ACCESS ROUTE ADJOINING CHENIES ROAD

ACCESS TO ONSITE CHANGING ROOMS, WELFARE FACILITIES AND PARKING AREAS VIA NEW HARD STANDING ACCESS AND EXISTING PEDESTRIAN CIRCULATION ROUTES

SCULPTED GRASS MOUND LOCATED AROUND SOUTHERN AGP PERIMETER GRADED INTO GRASS EMBANKMENT ALONG HOCKEY PITCH ENCLOSURE

Path (um)

Hockey Pitch

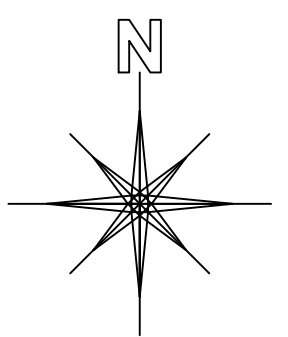
Barbarolli Hall

22NO. PARKING SPACES

62NO. PARKING SPACES

St Clement

- ARTIFICIAL GRASS (FOOTBALL TURF) SURFACING TO FIELD OF PLAY
- AGP HARD STANDING AREAS (PEDESTRIAN ACCESS / MAINTENANCE ACCESS)
- AGP HARD STANDING AREAS (PORTABLE GOALS STORAGE)
- PAVED MOWING MARGIN (WEED / VEGETATION BARRIER)
- MAINTENANCE EQUIPMENT STORE
- DIVIDING NET SYSTEM
- 15M HIGH FLOODLIGHT MAST WITH LUMINAIRES AND CONCRETE BASE FOUNDATION
- 4.5M HIGH BALL STOP FENCE / 2.0M AND 1.2M HIGH PITCH BARRIER / 1.2M HIGH CAR PARK BARRIER
- PEDESTRIAN GATED ENTRANCE
- MAINTENANCE VEHICLE GATED ENTRANCE
- 1M AND 2M HIGH GRASSED MOUND WITH 0.45% SLOPES TO ALL SIDES ADJACENT TO AGP FORMED WITH SOILS GENERATED FROM AGP CONSTRUCTION PROCESS (2103M2 AREA CONTAINING APPROXIMATELY 27500MM3 SOIL) WITH SCREEN PLANTING

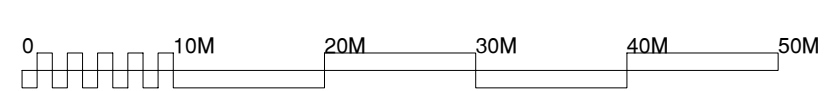


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 CLIENT: ARTIFICIAL GRASS PITCH (AGP)

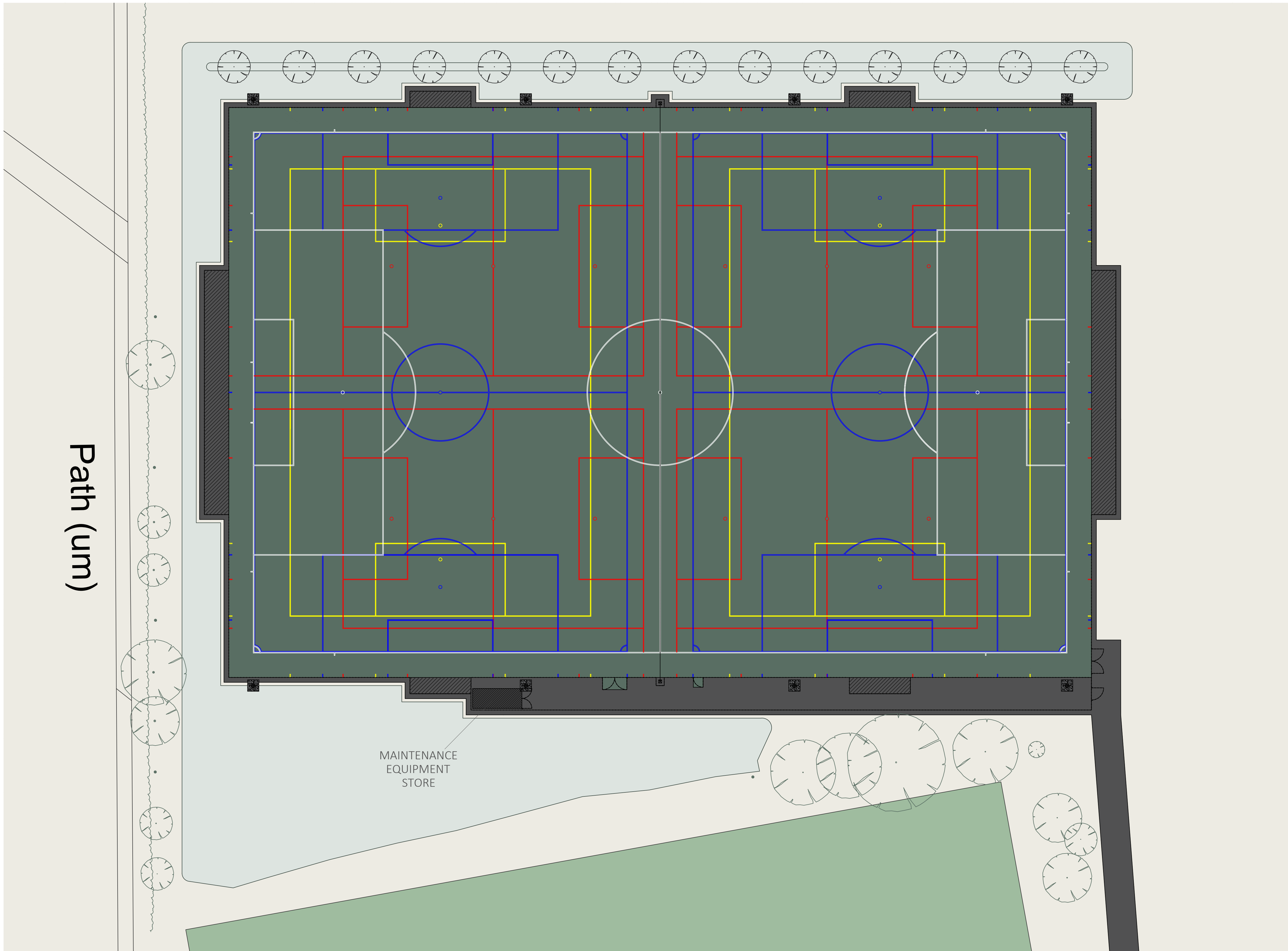
PROJECT: PROPOSED PLAN

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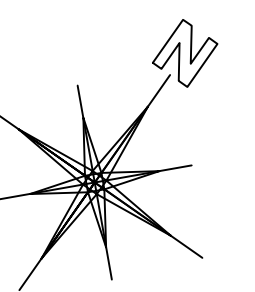


ARTIFICIAL GRASS PITCH (AGP) PROPOSAL

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- ARTIFICIAL GRASS (FOOTBALL TURF) SURFACING TO FIELD OF PLAY
- AGP HARD STANDING AREAS (PEDESTRIAN ACCESS / MAINTENANCE ACCESS)
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- PEDESTRIAN GATED ENTRANCE
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- 1M AND 2M HIGH GRASSED MOUND WITH 0.45% SLOPES TO ALL SIDES ADJACENT TO AGP FORMED WITH SOILS GENERATED FROM AGP CONSTRUCTION PROCESS (2013M2 AREA CONTAINING APPROXIMATELY 2750M3 SOIL) WITH SCREEN PLANTING

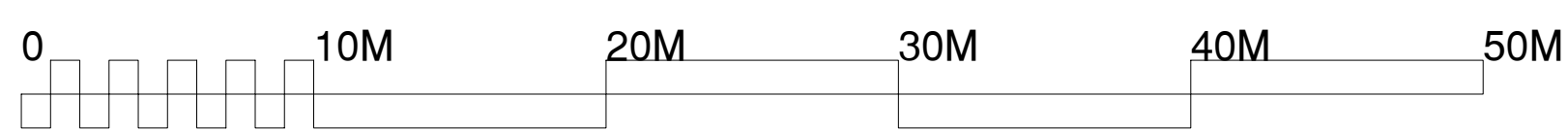


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



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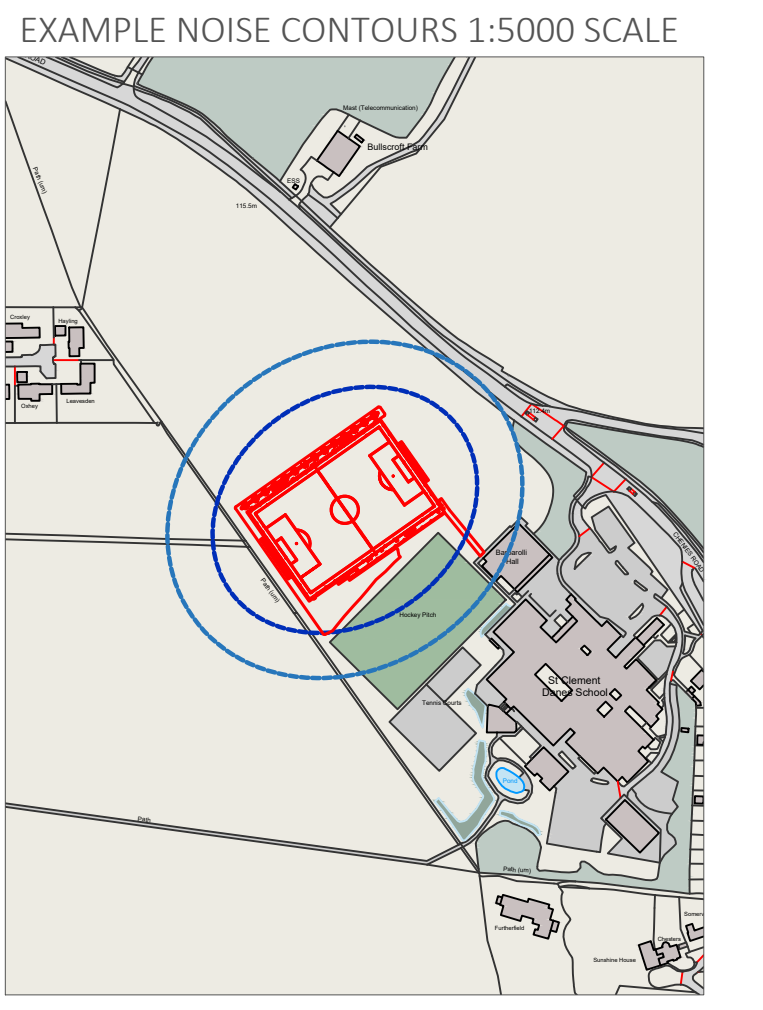


AGP PROPOSAL LAYOUT ONTO ORDNANCE SURVEY MAP AND TOPOGRAPHICAL SURVEY

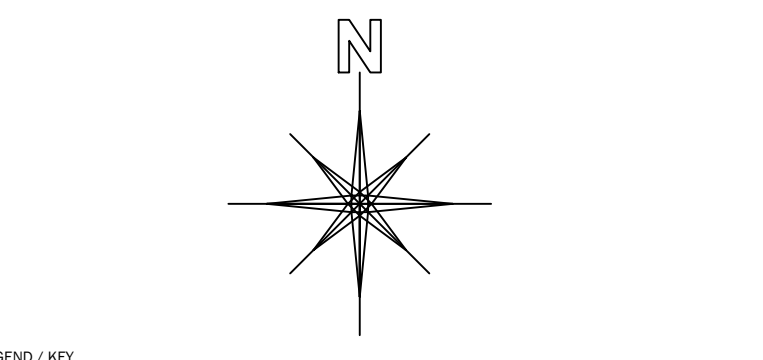
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-  DEVELOPMENT FOOTPRINT TO CREATE ARTIFICIAL GRASS PITCH AND ADDITIONAL CAR PARK
-  TOPOGRAPHICAL / LAND SURVEY
-  EXAMPLE NOISE CONTOUR WHERE EQUIVALENT CONTINUOUS NOISE LEVEL OF 50 dB LAeq (1 HOUR) CAN BE ACHIEVED AT HEIGHT OF 1.5M ABOVE GROUND
-  EXAMPLE NOISE CONTOUR WHERE EQUIVALENT CONTINUOUS NOISE LEVEL OF 50 dB LAeq (1 HOUR) CAN BE ACHIEVED AT HEIGHTS OF 1.5M AND 30M ABOVE GROUND



ILLUSTRATING LAND AND MAIN FEATURES TO BE REPLACED BY THE PROPOSED ARTIFICIAL GRASS PITCH (AGP)
St Clement



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AUTHOR	ST CLEMENT DANES SCHOOL		
CLIENT	ARTIFICIAL GRASS PITCH (AGP)		
PROJECT	DEVELOPMENT LAYOUT		
DRAWING	PLANNING	TB	02
DATE	15UK 19-0209	19.03.2020	19-0209 BM25583 0499 05
SCALE	A1	1:500	

AGP SURFACE WATER DRAINAGE PROPOSAL

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MATERIALS GENERALLY
 CONFORMING TO EN1401-1
 CONFORMING TO BS7158
 UPVC PIPES SHALL COMPLY WITH THE REQUIREMENTS OF BS4514-1 AND BS EN 1329-1 AND BE KITE-MARKED CERTIFIED AND/OR PRODUCED TO ANY OTHER RELEVANT CURRENT BRITISH OR EUROPEAN STANDARDS
 ALL OTHER DRAINAGE MATERIALS SHALL BE MANUFACTURED IN ACCORD WITH THE CURRENT BRITISH AND EURO STANDARDS
 ALL PROPRIETARY DRAINAGE SYSTEMS SHALL HAVE AN AGREEMENT OR COMPARABLE CERTIFICATION AND SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS

INSTALLATION GENERALLY
 TRENCHES TO BE SIZED 200MM WIDE WITHIN FORMATION LEVEL
 LATERAL TRENCHES TO BE SIZED 500MM DEEP MINIMUM BELOW FORMATION LEVEL (INVERT LEVEL)
 CARRIER TRENCHES TO BE SIZED 650MM DEEP MINIMUM BELOW FORMATION LEVEL (INVERT LEVEL)
 TRENCHES TO LOWER TO A SUFFICIENT DEPTH AT CONNECTIONS WITH ICS
 TRENCHES MUST BE LAID TO CONSISTENT AND EVEN GRADIENTS NO SHALLOWER THAN 1:200 (0.5%)
 CARRIER DRAINAGE PIPES TO BE PLACED ONTO 25MM MINIMUM GRAVEL BEDDING
 TRENCHES TO BE COMPLETELY BACK-FILLED WITH CLEAN, ANGULAR, HARD GRAVEL WITH NO FINES, EVENLY GRADED 10MM TO 6MM
 GRAVEL TO BE FULLY COMPACTED AND CONSOLIDATED TO PREVENT ANY FUTURE SETTLEMENT
 TRENCHES TO BE LINED WITH A PROPRIETARY GEOTEXTILE LAYER
 ALL GEOTEXTILE JOINTS SHOULD BE OVERLAPPED BY A MINIMUM OF 300MM
 THE GEOTEXTILE LAYER SHALL BE A NON-WOVEN TYPE AND SHALL CONTAIN A MINIMUM TENSILE STRENGTH OF 20KN/M WHEN TESTED IN ACCORDANCE WITH BS EN ISO 10319
 THE MEMBRANE SHALL CONTAIN STATIC PUNCTURE STRENGTH OF AT LEAST 2.0KN WHEN TESTED IN ACCORDANCE WITH BS EN ISO 12236

INSPECTION CHAMBER INSTALLATION GENERALLY
 CONCRETE BEDDING IN ACCORDANCE WITH BS EN 206-1: SPECIFICATION, PERFORMANCE, PRODUCTION AND CONFORMITY OF CONCRETE, BS 5328-1, 2, 3 & AND BS 8500-1, 2
 ALL ICS SHALL INCLUDE A SUMP OF AT LEAST 150MM DEPTH BELOW THE LOWEST INLET PIPE
 THE TOP OF ALL ICS SHALL BE SET LEVEL WITH EXISTING GROUND LEVELS
 THE COVER LOADING FOR THE ICS SHALL BE CLASS B125
 COVERS SHALL ALSO INCORPORATE A LOCKING MECHANISM TO PREVENT UNAUTHORISED ENTRY
 MAKE GOOD ALL ADJACENT GROUND UPON COMPLETION

ACCURACY
 WORKMANSHIP AND MATERIALS SHALL BE SUCH AS TO ENSURE THE ADEQUATE FUNCTION OF THE DRAINAGE SYSTEM THROUGH ITS DESIGN LIFE IF PROPERLY MAINTAINED AND OPERATED
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DRAINAGE SYSTEMS WITH ADJACENT SERVICES AND SUB-STRUCTURES AS REQUIRED
 ON COMPLETION OF THE WORKS THE CONTRACTOR WILL CARRY OUT SUCH INSPECTIONS AND TESTS IN ACCORDANCE WITH BS EN 1610 AND SUPPLY THE RESULTS OF SUCH TESTS AND INSPECTIONS



PROPOSED DRAINAGE STRATEGY

SUSTAINABLE SURFACE WATER DISPOSAL WILL BE ACHIEVED BY IMPLEMENTING ADEQUATE ATTENUATION (TEMPORARY WATER STORAGE) WITHIN THE AGP BASE (COMPRISING A PERMEABLE GRANULAR SUB-BASE) TO ENSURE THAT EXCESS VOLUMES WHICH WOULD BE EXPERIENCED DURING A CRITICAL STORM EVENT DO NOT BYPASS THE CONTROL SYSTEM (FLOW CONTROL)

THE PROPOSED AGP WILL COMPRISE A PERMEABLE CONSTRUCTION WITH A POSITIVE DRAINAGE SCHEME (PIPE DRAINAGE) INSTALLED BENEATH THE AGP BASE AND FOUNDATIONS AREA COMPRISING UPVC PERFORATED CARRIER AND LATERAL PIPE DRAINS

SURFACE WATER COLLECTED WITHIN THE AGP DRAINAGE SYSTEM WILL BE DISPOSED OF VIA AN EXISTING CONNECTION INTO A DELL (AN OVERFLOW DRAINAGE BASIN) WITHIN THE SCHOOL GROUNDS (LOCATED SOUTH OF THE AGP) AND ONCE SURFACE WATER ENTERS THE DELL, THIS WATER WILL INFILTRATE INTO UNDERLYING STRATUM

THIS SOLUTION WILL ADHERE TO THE FIRST OPTION WITHIN THE DRAINAGE HIERARCHY

FLOOD COMPENSATION
 FLOOD COMPENSATION MEASURES WILL NOT BE REQUIRED AS FINISHED (FLOOR) LEVELS WILL NOT AFFECT CURRENT FLOOD PLAIN STORAGE ONSITE

OVERLAND FLOWS
 THERE IS A RISK OF THE CRITICAL STORM EVENT BEING EXCEEDED, ALBEIT THIS RISK IS CONSIDERED VERY LOW
 IN SUCH AN EVENT THE PROPOSED DRAINAGE SYSTEM WILL BECOME OVERWHELMED AND OVERLAND FLOWS COULD OCCUR

FOUL WATER DRAINAGE STRATEGY

THERE WILL BE NO NEW FOUL WATER DISCHARGE FROM THE NEW AGP SURFACE DRAINAGE MAINTENANCE

THE DRAINAGE SYSTEM WILL BE DESIGNED TO MINIMISE MAINTENANCE REQUIREMENTS AND A FULL MAINTENANCE SCHEME WILL BE ESTABLISHED FOR THOSE ELEMENTS NOT BEING DEFERRED FOR ADOPION

MAINTENANCE OPERATIONS WILL BE CARRIED OUT BY THE APPLICANT IN PERPETUITY POST DEVELOPMENT

SITE DRAINAGE PROPOSALS CONCLUSIONS







DISPOSAL OF A SURFACE WATER COLLECTED ON THE AGP INTO AN ADJACENT DELL AND THEN INFILTRATING INTO UNDERLYING STRATUM WITHIN THE SCHOOL GROUNDS WOULD BE AN APPROPRIATE DRAINAGE STRATEGY

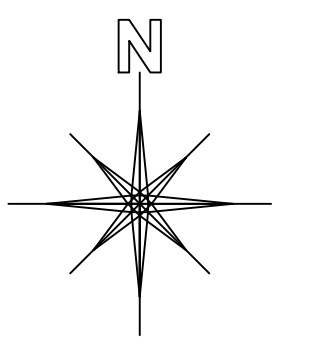
THIS DRAINAGE STRATEGY WILL BE DESIGNED TO ENSURE NO ABOVE GROUND FLOODING OCCURS UP TO AND INCLUDING THE 1 IN 20 YEAR EVENT AS A MINIMUM, WITH AN ASSESSMENT TO DEMONSTRATE THAT THE FLOOD RISK OFF-SITE IS NOT INCREASED DURING THE 1 IN 100-YEAR EVENT PLUS AN ALLOWANCE FOR CLIMATE CHANGE

THERE WILL BE NO FOUL WATER DISCHARGE ASSOCIATED WITH THE PROPOSED DEVELOPMENT

THE SURFACE WATER DRAINAGE FROM THIS SITE, POST DEVELOPMENT, IS SUCH THAT THE SURFACE WATER WILL BE MANAGED AND DISPOSED OF WITHIN THE SITE BOUNDARY, THUS COMPLYING WITH THE PLANNING PRACTICE GUIDANCE FOR 'FLOOD RISK AND COASTAL CHANGE' TO THE NATIONAL PLANNING POLICY FRAMEWORK

BASED ON THE ABOVE AND PROVIDING THE ABOVE STRATEGIES ARE ADOPTED, THE DEVELOPED SITE WILL NOT CONTRIBUTE FURTHER TO FLOOD RISK THUS SATISFYING THE PRINCIPLES OF THE NATIONAL PLANNING POLICY FRAMEWORK

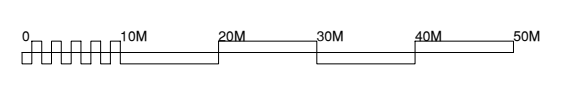
-  80MM Ø UPVC PERFORATED CORRUGATED PLASTIC LATERAL DRAINAGE PIPES LAID INTO LINED, GRAVEL-FILLED TRENCHES
-  150MM Ø UPVC PERFORATED CORRUGATED PLASTIC CARRIER DRAINAGE PIPES LAID INTO LINED, GRAVEL-FILLED TRENCHES
- CONNECT CARRIER PIPES TO NEW SILT-TRAP / INSPECTION CHAMBERS (ICS) WITH PROPRIETARY RIGID JUNCTIONS AT THE POINT OF ENTRY
-  600MM LONG X 600MM WIDE X 100MM DEEP PRE-CAST CONCRETE (PCC) SILT-TRAP / INSPECTION CHAMBERS (ICS), FOUNDED ONTO A MASS CONCRETE BEDDING (GENO OR STANDARD MIX ST1 OR SIMILAR AS RECOMMENDED)
- WHERE REQUIRED, CONNECT CARRIER PIPES TOGETHER WITH PROPRIETARY RIGID JUNCTIONS AT THE POINT OF INTERSECTION
-  VORTEX FLOW CONTROL (HYDRO BRAKE® OR EQUIVALENT) AND CHAMBER CONFORMING TO BS7158 WITHIN PRE-CAST CONCRETE (PCC) SILT-TRAP / INSPECTION CHAMBERS (ICS), FOUNDED ONTO A MASS CONCRETE BEDDING (GENO OR STANDARD MIX ST1 OR SIMILAR AS RECOMMENDED)
-  CONNECTION TO LOCAL DELL (EXISTING OVERFLOW DRAINAGE BASIN) VIA EXISTING DRAINAGE INLET AND HEADWALL
-  DRAINED AGP AREA (8340M²)



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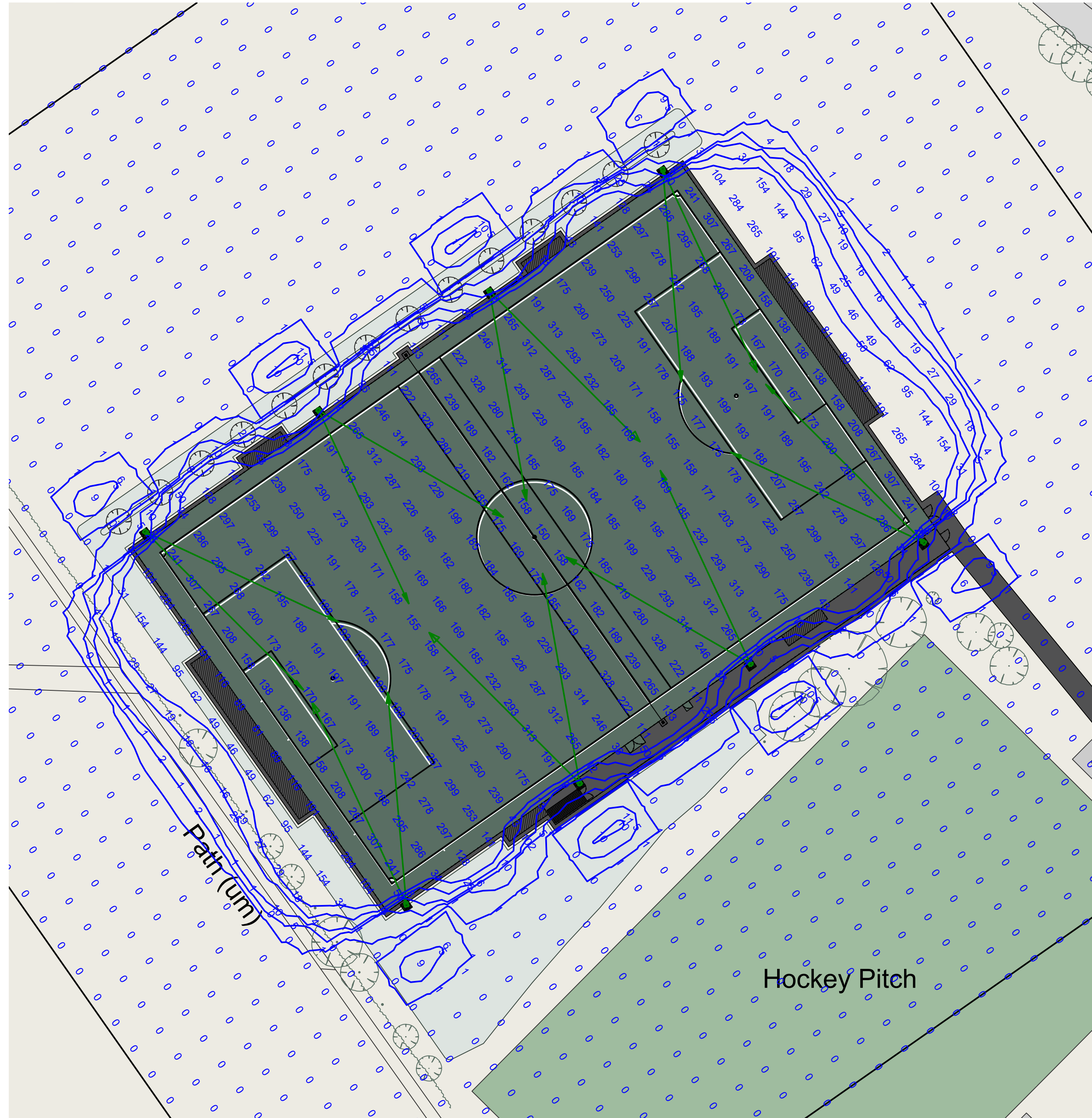
AUTHOR: ST CLEMENT DANES SCHOOL
 CLIENT: ARTIFICIAL GRASS PITCH (AGP)
 PROJECT: PROPOSED SURFACE WATER DRAINAGE

DRAWING	PLANNING	TB	01
DATE	15.03.2019	19.03.2020	
PROJECT	19-0209 BM25583 0499 06		
SCALE	A1	1:750	



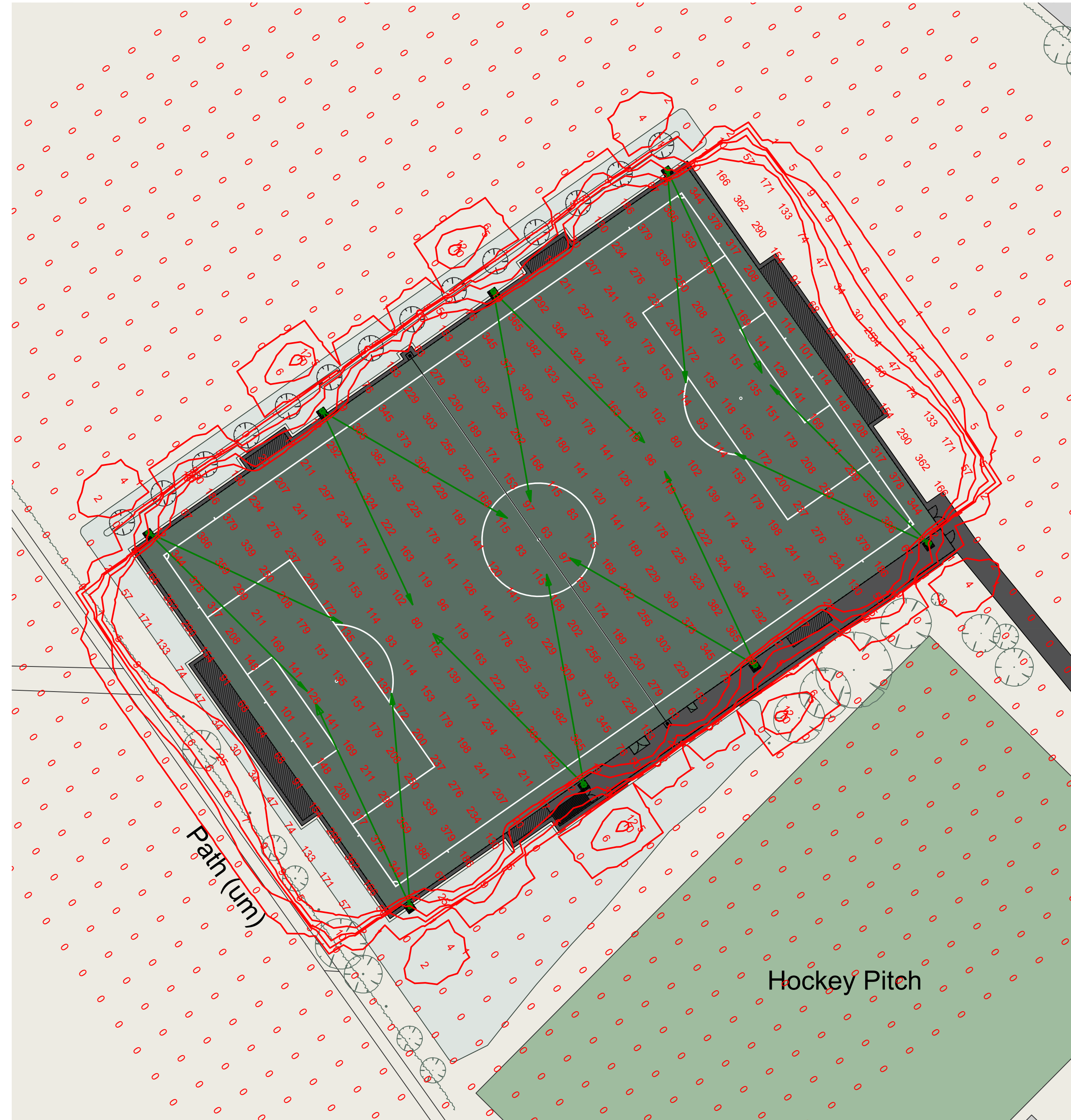
HORIZONTAL FLOODLIGHT ILLUMINANCE

ILLUSTRATING ILLUMINANCE ONTO AGP FIELD OF PLAY AND OVERSPILL / BACKWARD LIGHT ONTO SURROUNDING LAND AT GROUND LEVEL



VERTICAL FLOODLIGHT ILLUMINANCE

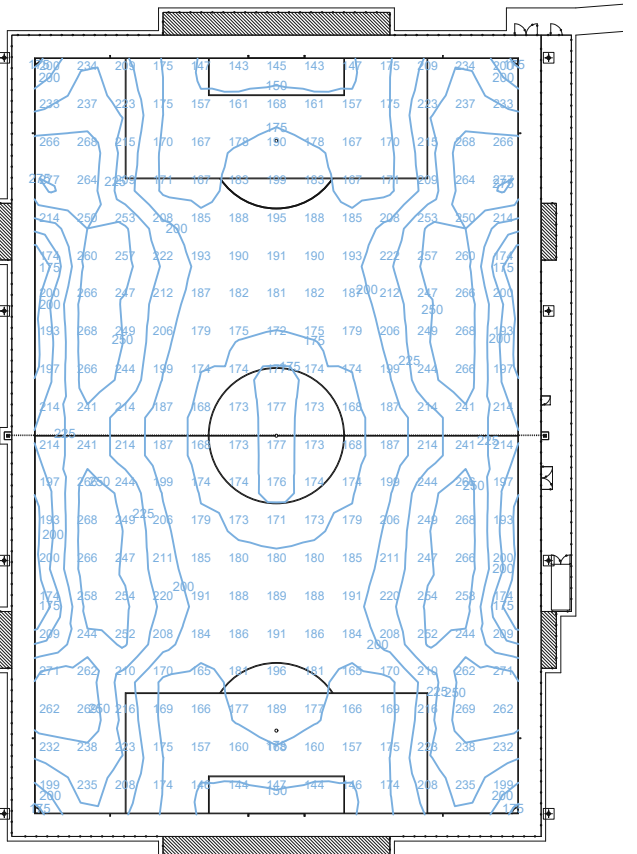
ILLUSTRATING ILLUMINANCE ONTO AGP FIELD OF PLAY AND OVERSPILL / BACKWARD LIGHT ONTO SURROUNDING LAND AT 1.8M ABOVE GROUND LEVEL



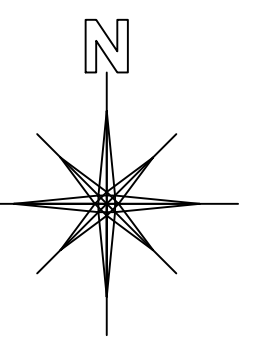
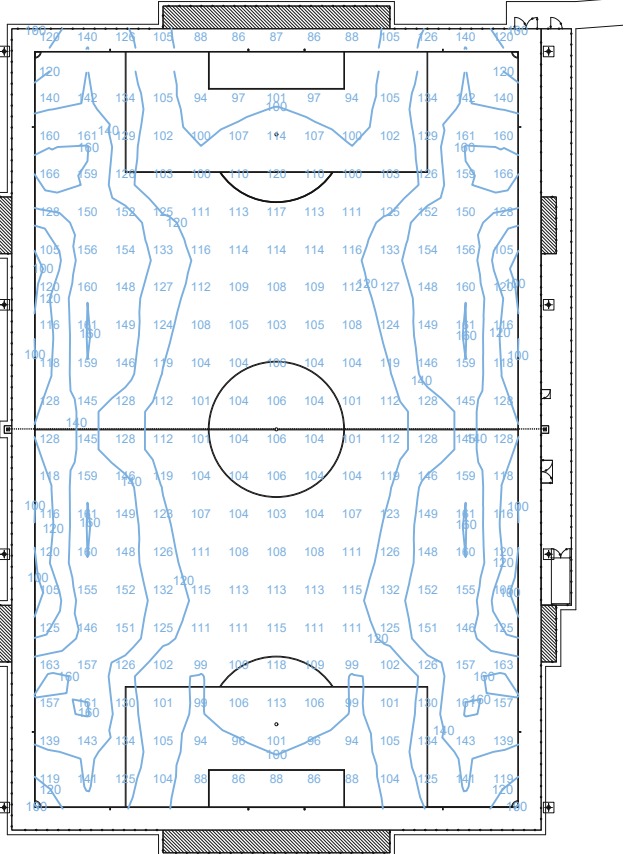
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- 15M HIGH FLOODLIGHT MAST WITH LUMINAIRES
- 1 5 10 25 50 INCREMENTAL HORIZONTAL ILLUMINANCE CONTOURS (EXPRESSED IN LUX)
- 1 5 10 25 50 INCREMENTAL VERTICAL ILLUMINANCE CONTOURS (BACKWARD LIGHT / OVERSPILL) (EXPRESSED IN LUX)

HORIZONTAL ILLUMINANCE ACROSS AGP FIELD OF PLAY FULL MATCH PLAY ILLUMINANCE



HORIZONTAL ILLUMINANCE ACROSS AGP FIELD OF PLAY REDUCED TRAINING ILLUMINANCE



ADVISORY NOTES

PROPOSED FLOODLIGHT SYSTEM PROVIDES LIGHTING PERFORMANCE IN ACCORDANCE WITH FA RECOMMENDATIONS (FIFA'S CLASS II LIGHTING REQUIREMENTS) FOR VARYING TYPES OF PLAY AS FOLLOWS:

USE	MAINTAINED AVERAGE ILLUMINANCE	UNIFORMITY RATIO (EV.MIN/EV.AVE)	DIVERSITY RATIO (EV.MIN/EV.MAX)	MAXIMUM GLARE RATING (GR)
COMPETITION	>200LUX	>0.60	>0.50	<50
CROSS PLAY	>120LUX	>0.60	>0.50	<50
TRAINING	>120LUX	>0.60	>0.50	<50

FLOODLIGHTS SHOULD ALSO BE DESIGNED IN SUCH A WAY TO ALLOW EACH INDIVIDUAL SECTION OF THE PITCH (LATERAL CROSS PITCHES) TO BE INDIVIDUALLY PROGRAMMED TO FACILITATE ECONOMICAL MANAGEMENT AND PREVENT OVER LIGHTING TO PITCHES AREAS WHEN NOT IN USE

ILP REDUCTION OF OBTRUSIVE LIGHT GN01:2011

THIS SITE IS CLASSIFIED AS AN ENVIRONMENTAL ZONE E1, WHICH IS A NATURAL SURROUNDING WITH AN INTRINSICALLY DARK LIGHTING ENVIRONMENT THE ILP DESIGN GUIDANCE FOR THIS ENVIRONMENTAL ZONE IS AS FOLLOWS:

OBTRUSIVE LIGHT LIMITATIONS FOR EXTERIOR LIGHTING INSTALLATIONS - GENERAL OBSERVERS

SKY GLOW ULR (MAX %)	0%
LIGHT INTRUSION (INTO WINDOWS) EV (LUX)	2 LUX PRE CURFEW / 0 LUX POST CURFEW
LUMINAIRE INTENSITY I (CANDELAS)	2500 I PRE CURFEW / 0 I POST CURFEW
BUILDING LUMINANCE AVERAGE L (CD/M2)	0 CD/M2

LIGHT IMPACT

PROPOSED FLOODLIGHTS COMPRISE EIGHT 15M HIGH MASTS MOUNTED WITH SIXTEEN LED LUMINAIRES IN THE FOLLOWING ARRANGEMENT:

NORTH WESTERN MAST	2NO. LUMINAIRES	SOUTH WESTERN MAST	2NO. LUMINAIRES
CENTRAL NORTHERN MAST	2NO. LUMINAIRES	CENTRAL SOUTHERN MAST	2NO. LUMINAIRES
CENTRAL NORTHERN MAST	2NO. LUMINAIRES	CENTRAL SOUTHERN MAST	2NO. LUMINAIRES
NORTH EASTERN MAST	2NO. LUMINAIRES	SOUTH EASTERN MAST	2NO. LUMINAIRES

THE FLOODLIGHT DESIGN ACHIEVES VALUES WHICH MEETS THE REQUIREMENTS OF BS EN 12193 AS FOLLOWS:

PERIOD	RESULT
INITIAL 100HRS USAGE	AVERAGE ILLUMINANCE: 223 LUX UNIFORMITY: 0.68 MIN / AVE
MAINTAINED USAGE WITH 0.9 MAINTENANCE FACTOR	AVERAGE ILLUMINANCE: 201 LUX UNIFORMITY: 0.68 MIN / AVE

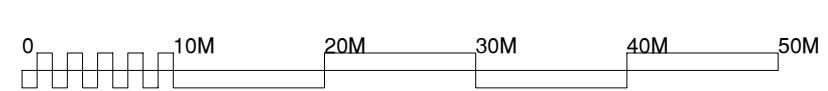
THE FLOODLIGHTS DEIGN DEMONSTRATES THE EXTENT OF OVERSPILL AND BACKWARD LIGHT CREATED BY NEW FLOODLIGHTS AROUND THE AGP PERIMETER (PRE-CURFEW AND POST CURFEW) COMPLIES WITH ILP RECOMMENDATIONS IN RESPECT OF LIGHT TRESPASS (LIGHT INTRUSION INTO WINDOWS) , GLARE (LUMINAIRE INTENSITY) AND SKY GLOW (UPWARD LIGHT RATIO), THEREFORE MITIGATION TREATMENT TO REDUCE LIGHT INTRUSION AND LUMINAIRE INTENSITY (GLARE) IMPACTS FOR RESIDENTIAL NEIGHBOURS IS NOT REQUIRED



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AUTHOR: ST CLEMENT DANES SCHOOL
CLIENT: ARTIFICIAL GRASS PITCH (AGP)
PROJECT: PROPOSED FLOODLIGHTS

PLANNING	TB	02
DATE	19.03.2020	
PROJECT	19-0209 BM25583 0499 07	
SCALE	1:500	



BALL STOP FENCED ENCLOSURE,
ADJOINING HARD STANDING
AREAS AND PITCH BARRIER



TYPICAL ARTIFICIAL
GRASS PITCH (AGP)



LED FLOODLIGHTS



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BALL STOP FENCING DISCREET AGAINST
RURAL BACKGROUND



ILLUMINATED AGP



TYPICAL ARTIFICIAL
GRASS PITCH (AGP)



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AUTHOR _____
CLIENT ST CLEMENT DANES SCHOOL
PROJECT ARTIFICIAL GRASS PITCH (AGP)

DRAWING		
PLANNING	TB	00
LSUK 19-0209	16.08.19	
SCALE A1	NOT TO SCALE	19-0209 BM25583 0499 11

BALL STOP FENCED ENCLOSURE,
ADJOINING HARD STANDING
AREAS AND PITCH BARRIER



TYPICAL ARTIFICIAL
GRASS PITCH (AGP)



LED FLOODLIGHTS



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BALL STOP FENCING DISCREET AGAINST
RURAL BACKGROUND



ILLUMINATED AGP



TYPICAL ARTIFICIAL
GRASS PITCH (AGP)



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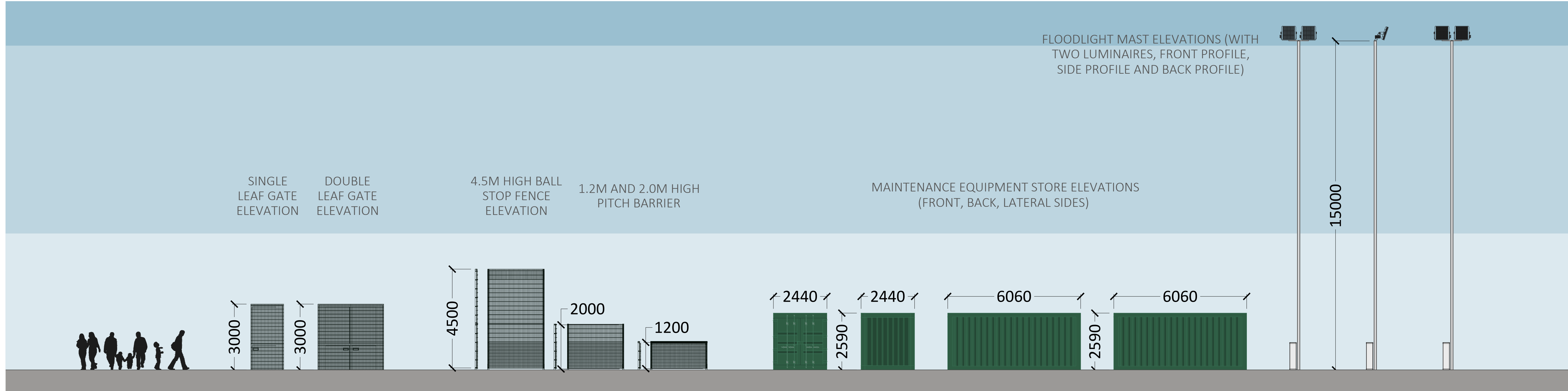
AUTHOR _____
CLIENT ST CLEMENT DANES SCHOOL
PROJECT ARTIFICIAL GRASS PITCH (AGP)

PROPOSED AGP FEATURES

PLANNING	TB	00
DATE	15.08.19	
PROJECT	19-0209	BM25583 0499 11
SCALE	NOT TO SCALE	

SINGLE LEAF GATE ELEVATION / DOUBLE LEAF GATE ELEVATION / 4.5M HIGH BALL STOP FENCE ELEVATION / 1.2M AND 2.0M HIGH PITCH BARRIER ELEVATION / MAINTENANCE EQUIPMENT STORE ELEVATIONS / FLOODLIGHT MAST ELEVATIONS

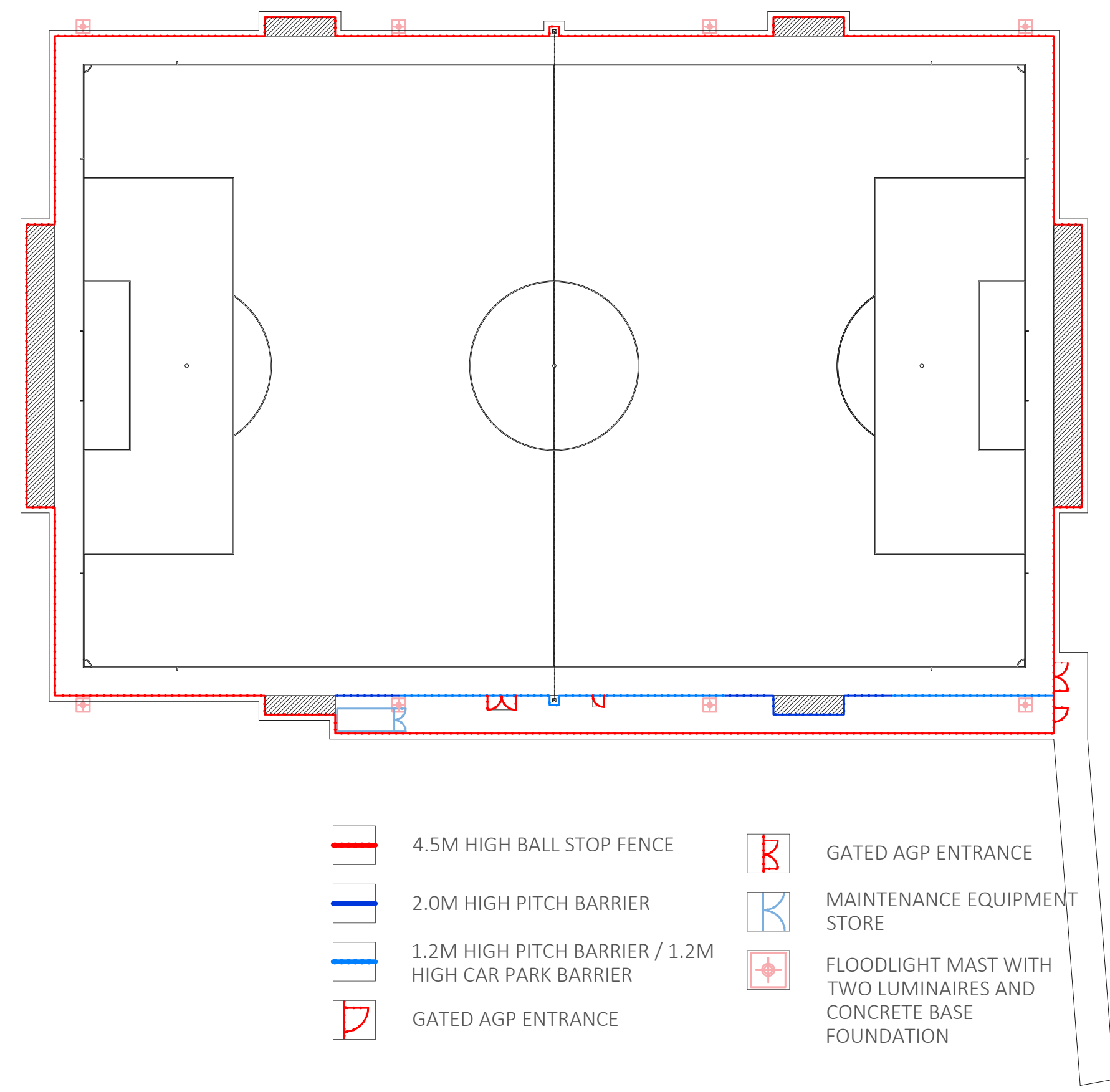
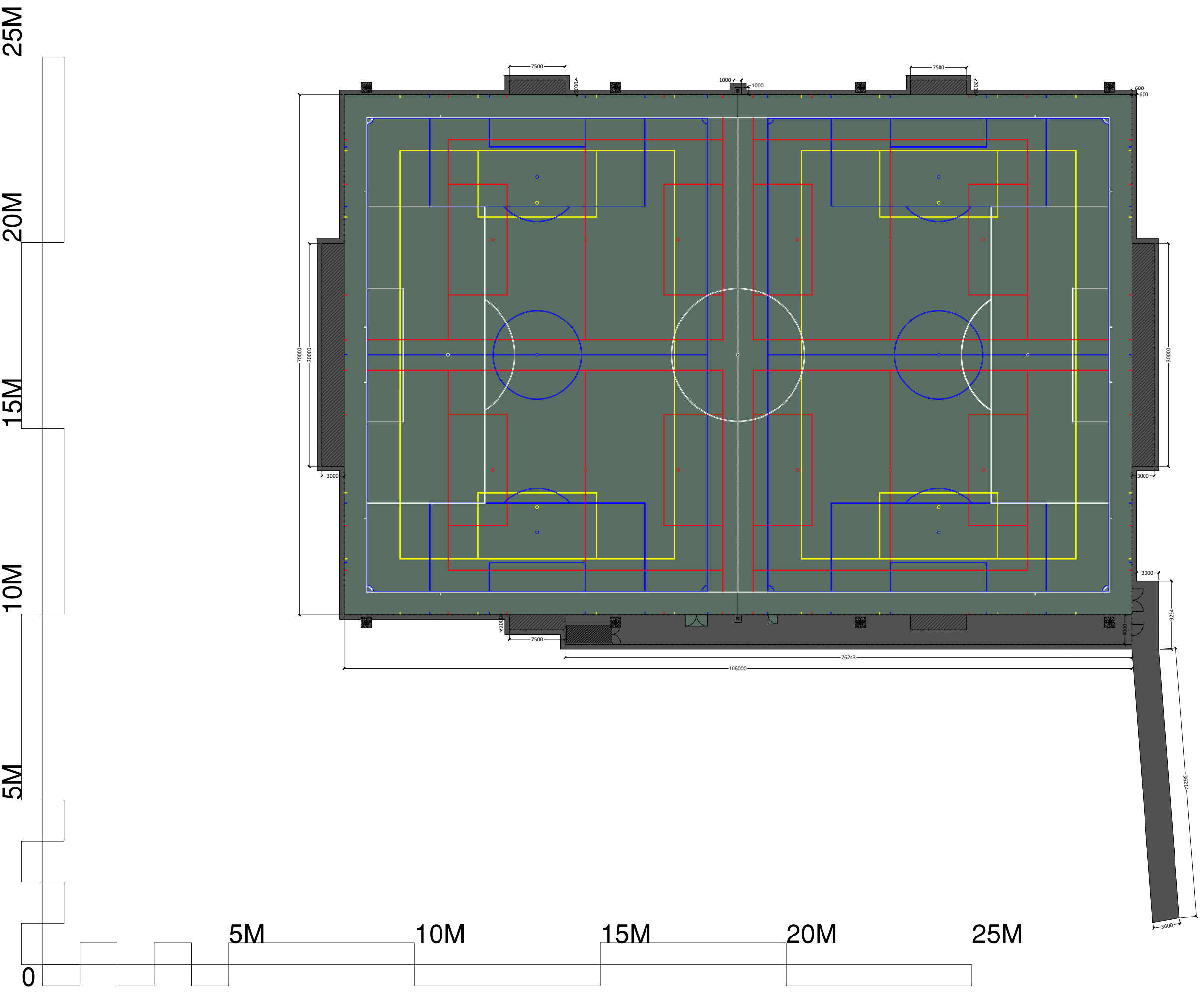
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- 4.50M HIGH OPEN STEEL MESH BALL STOP FENCING AND ENTRANCE GATES AROUND THE ENTIRE PITCH PERIMETER ENCLOSING ARTIFICIAL GRASS PITCH (AGP) FINISHED TO POLYESTER POWDER COATED RAL6005 DARK GREEN
- 3.0M WIDE MAINTENANCE / EMERGENCY GATED ENTRANCE FINISHED TO POLYESTER POWDER COATED RAL6005 DARK GREEN
- 1.2M WIDE PEDESTRIAN GATED ENTRANCE FINISHED TO POLYESTER POWDER COATED RAL6005 DARK GREEN
- 1.20M AND 2.0M HIGH OPEN STEEL MESH PITCH PERIMETER BARRIER AND ENTRANCE GATES INTERNALLY WITHIN THE AGP ENCLOSURE TO SEGREGATE ARTIFICIAL GRASS FIELD OF PLAY FROM ADJOINING HARD STANDING AREA FINISHED TO POLYESTER POWDER COATED RAL6005 DARK GREEN
- 15M HIGH FLOODLIGHT SYSTEM COMPRISING EIGHT (8NO.) MASTS MOUNTED WITH SIXTEEN (16NO.) LED LUMINAIRES FINISHED RAW ALUMINIUM TO A 2NO. / 2NO. / 2NO. / 2NO. ARRANGEMENT TO LONGITUDINAL SIDES OF AGP FINISHED WITH SECTIONAL OCTAGONAL BASE-HINGE STEEL MASTS FINISHED GALVANISED (Z275) SELF-COLOURED
- 2.59M HIGH MAINTENANCE / SPORTS EQUIPMENT STORE COMPRISING HIGH-TENSILE RUST INHIBITING CORTEN STEEL FINISHED POLYESTER POWDER COATED RAL6005 DARK GREEN

DIMENSIONED AGP LAYOUT 1:500 SCALE

BALL STOP FENCE, PITCH BARRIER AND GATED ENTRANCE LOCATIONS, FLOODLIGHT MASTS AND MAINTENANCE EQUIPMENT STORE LOCATIONS 1:500 SCALE



- 4.5M HIGH BALL STOP FENCE
- 2.0M HIGH PITCH BARRIER
- 1.2M HIGH PITCH BARRIER / 1.2M HIGH CAR PARK BARRIER
- GATED AGP ENTRANCE
- GATED AGP ENTRANCE
- MAINTENANCE EQUIPMENT STORE
- FLOODLIGHT MAST WITH TWO LUMINAIRES AND CONCRETE BASE FOUNDATION



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AUTHOR: ST CLEMENT DANES SCHOOL
 CLIENT: ARTIFICIAL GRASS PITCH (AGP)
 PROJECT: PROPOSED ELEVATIONS

DRAWING		PROPOSED ELEVATIONS	
PLANNING	TB	02	
LSUK 19-0209	19.03.2020		
PROJECT	A1	19-0209 BM25583 0499 09	
SCALE	1:100		