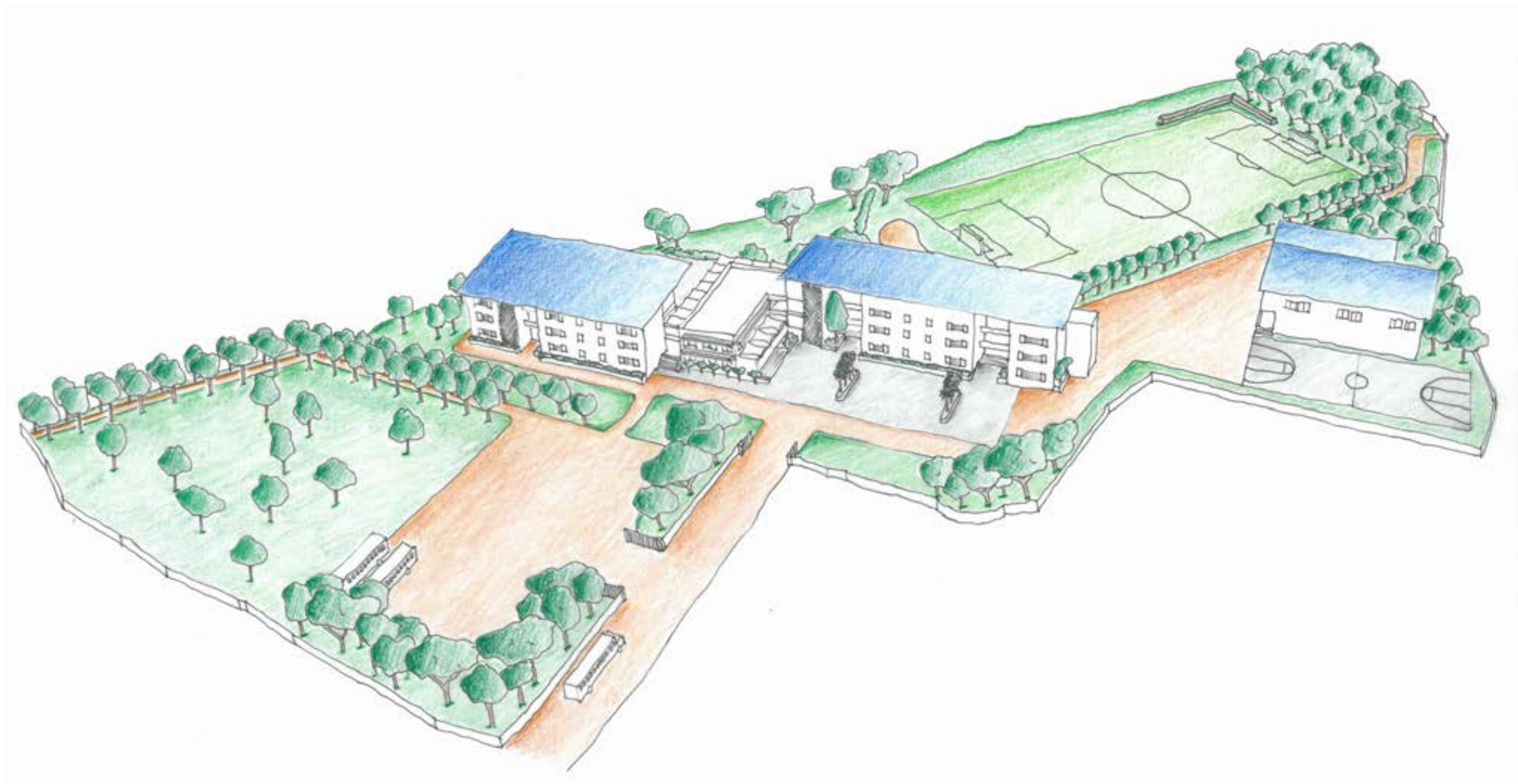
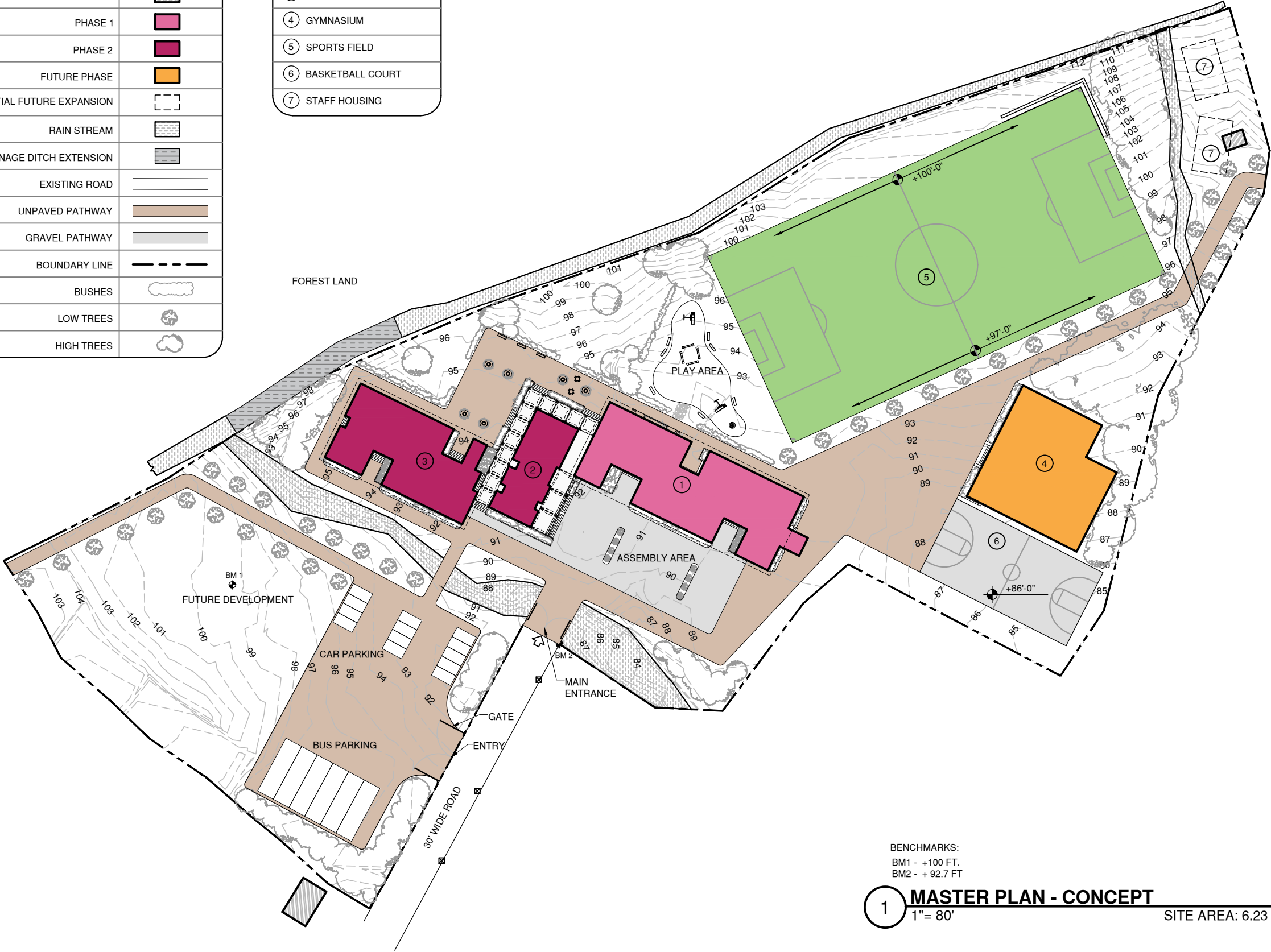




1 PROPOSED SCHOOL CONCEPT - PERSPECTIVE

LEGEND	
PROPERTY CORNER	
VERTICAL BENCHMARK	BM X
EXISTING STRUCTURE	
PHASE 1	
PHASE 2	
FUTURE PHASE	
POTENTIAL FUTURE EXPANSION	
RAIN STREAM	
DRAINAGE DITCH EXTENSION	
EXISTING ROAD	
UNPAVED PATHWAY	
GRAVEL PATHWAY	
BOUNDARY LINE	
BUSHES	
LOW TREES	
HIGH TREES	

BUILDING KEY	
①	PRIMARY BLOCK
②	ADMINISTRATION BLOCK
③	SECONDARY BLOCK
④	GYMNASIUM
⑤	SPORTS FIELD
⑥	BASKETBALL COURT
⑦	STAFF HOUSING

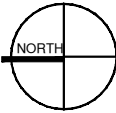


BENCHMARKS:
BM1 - +100 FT.
BM2 - + 92.7 FT

1 MASTER PLAN - CONCEPT

1" = 80'

SITE AREA: 6.23 ACRES



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VISAKHAPATNAM, INDIA



1" = 80'

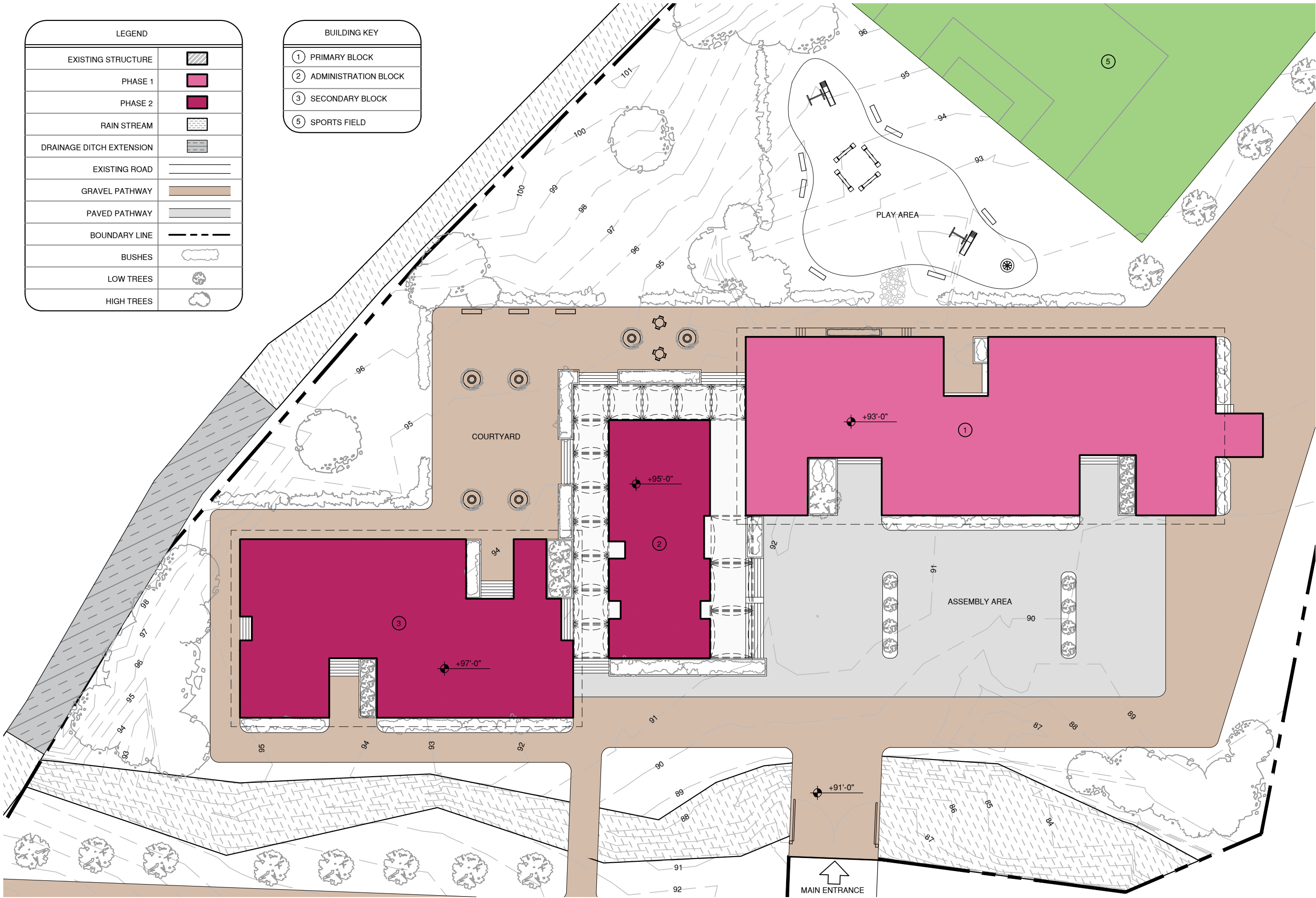
MASTER PLAN CONCEPT

PROJECT NO. :	8269
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M1

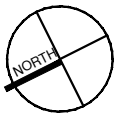
LEGEND	
EXISTING STRUCTURE	
PHASE 1	
PHASE 2	
RAIN STREAM	
DRAINAGE DITCH EXTENSION	
EXISTING ROAD	
GRAVEL PATHWAY	
PAVED PATHWAY	
BOUNDARY LINE	
BUSHES	
LOW TREES	
HIGH TREES	

BUILDING KEY	
①	PRIMARY BLOCK
②	ADMINISTRATION BLOCK
③	SECONDARY BLOCK
⑤	SPORTS FIELD



NOTE: FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"

1 ACADEMIC SITE PLAN - CONCEPT
1" = 30'





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 south asia
 emi2.org
 engineering ministries
 international : india
 shivalik A - 329
 basement, malviya nagar
 new delhi 110017

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60'
 30'
 15'
 0'
 1" = 30'

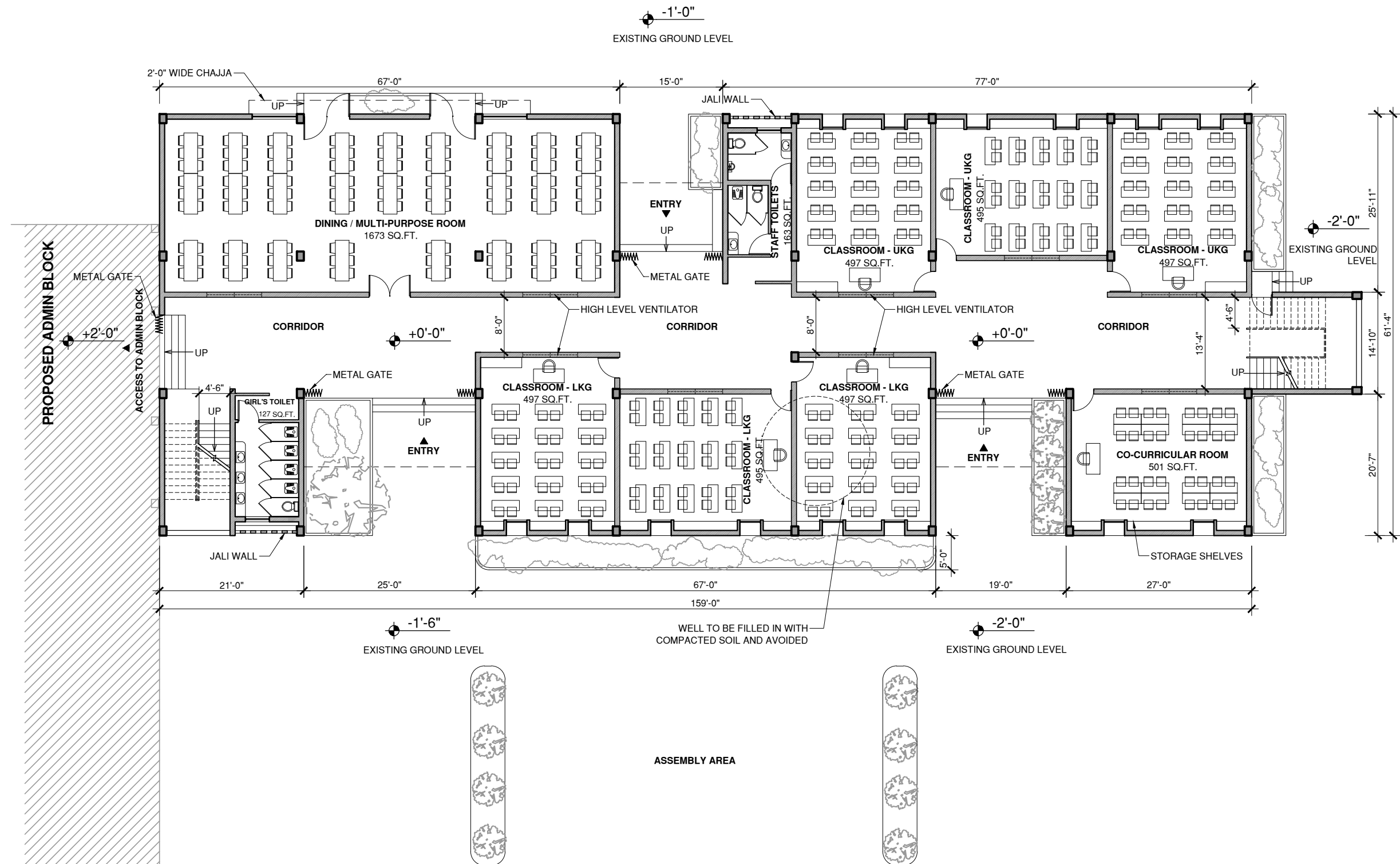
ACADEMIC SITE PLAN
 CONCEPT

PROJECT NO. :	8269
DRAWN BY :	NH
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M2



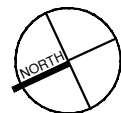
1 PRIMARY BLOCK CONCEPT - PERSPECTIVE



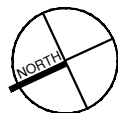
1 GROUND FLOOR PLAN 1/16"=1'-0" FLOOR AREA: 8784 SQUARE FEET

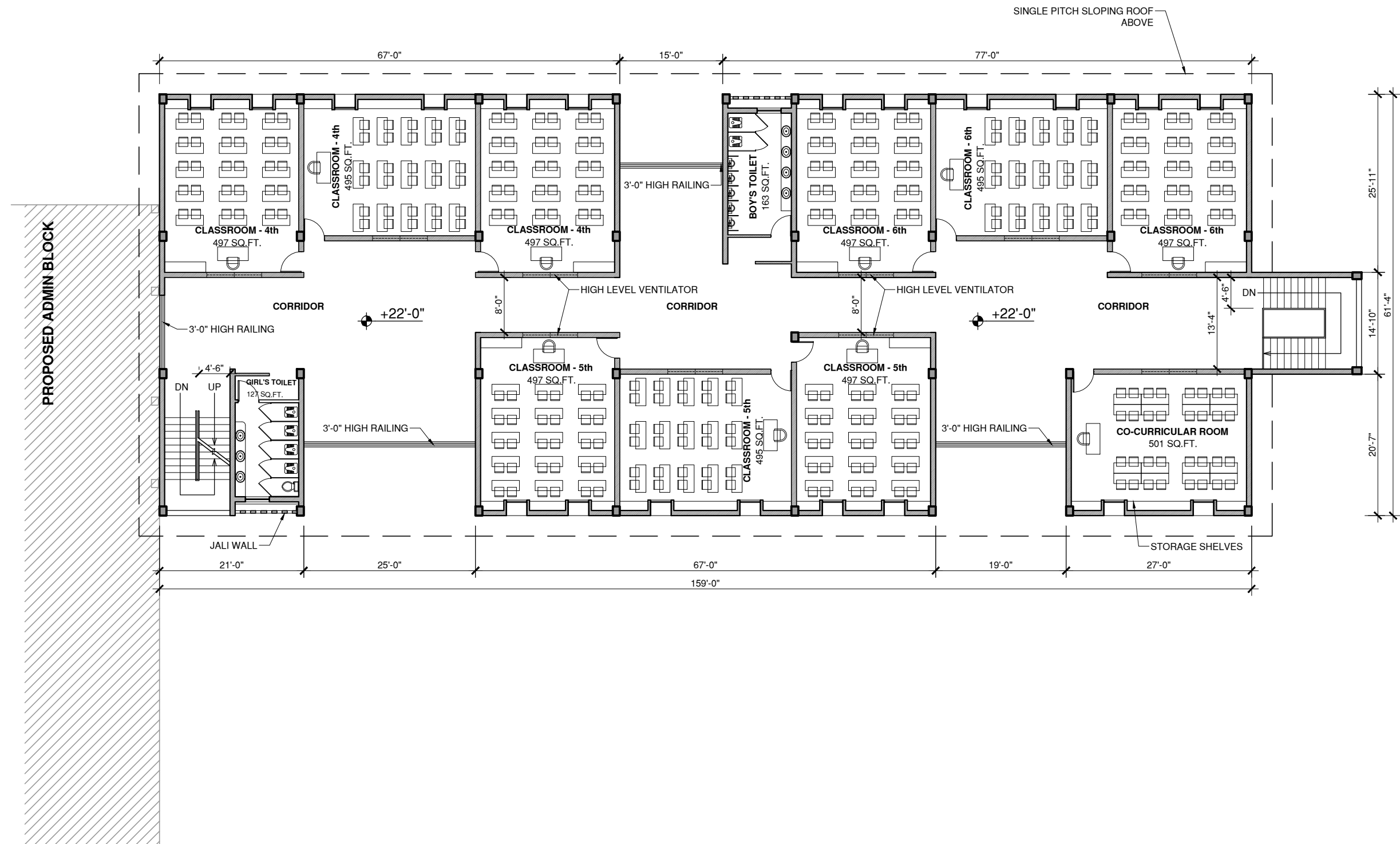
NOTE:
 1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6
 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
 2. FLOOR HEIGHTS-
 GROUND FLOOR: 12'-0"
 FIRST AND SECOND FLOOR: 10'-0"

WALL LEGEND
 EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
 INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
 LOW / PARTIAL HEIGHT WALL



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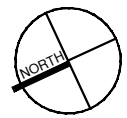


1 SECOND FLOOR PLAN
1/16"=1'-0"
FLOOR AREA: 9398 SQUARE FEET

NOTE:
1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6
+93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
2. FLOOR HEIGHTS-
GROUND FLOOR: 12'-0"
FIRST AND SECOND FLOOR: 10'-0"

WALL LEGEND

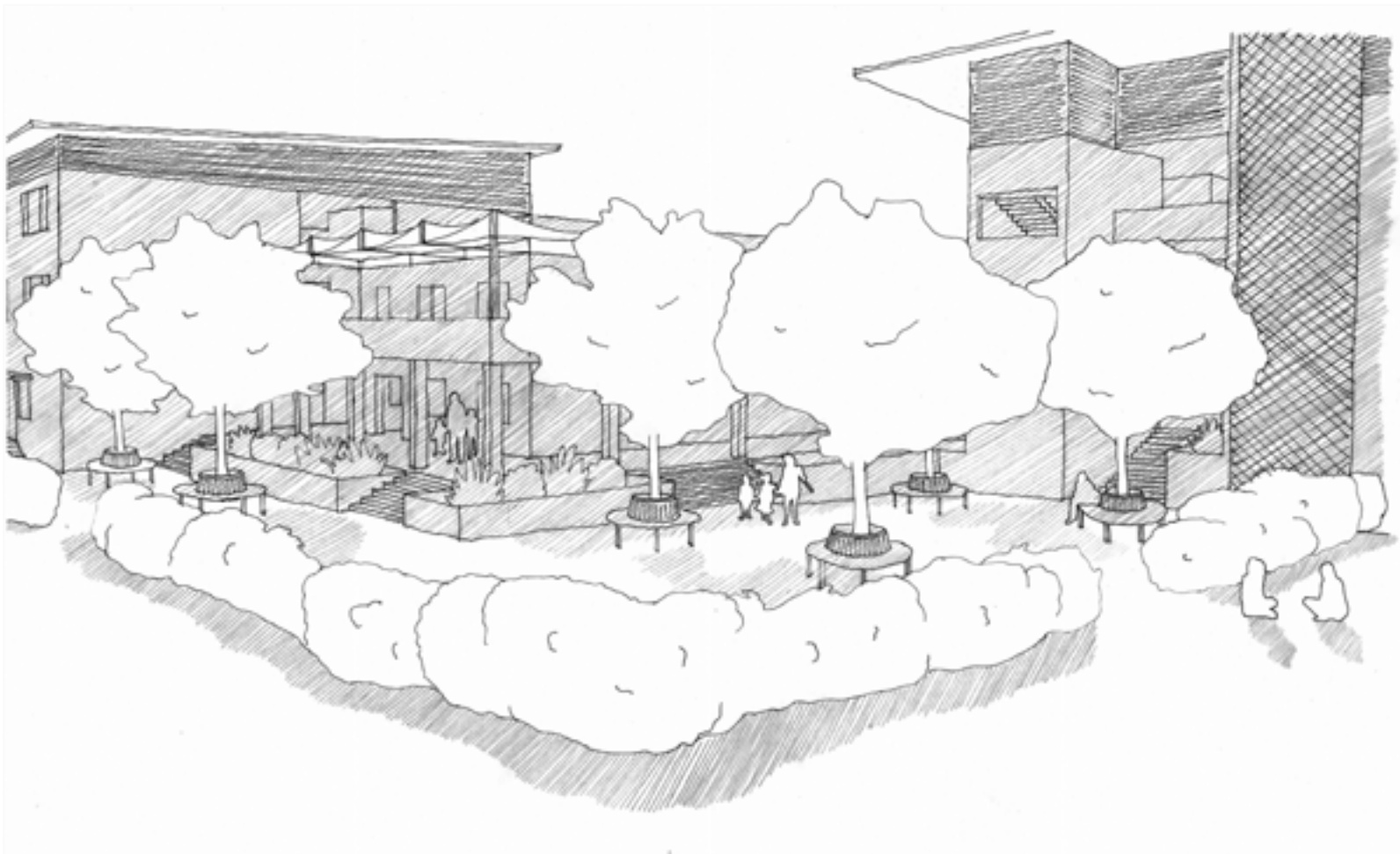
EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
LOW / PARTIAL HEIGHT WALL



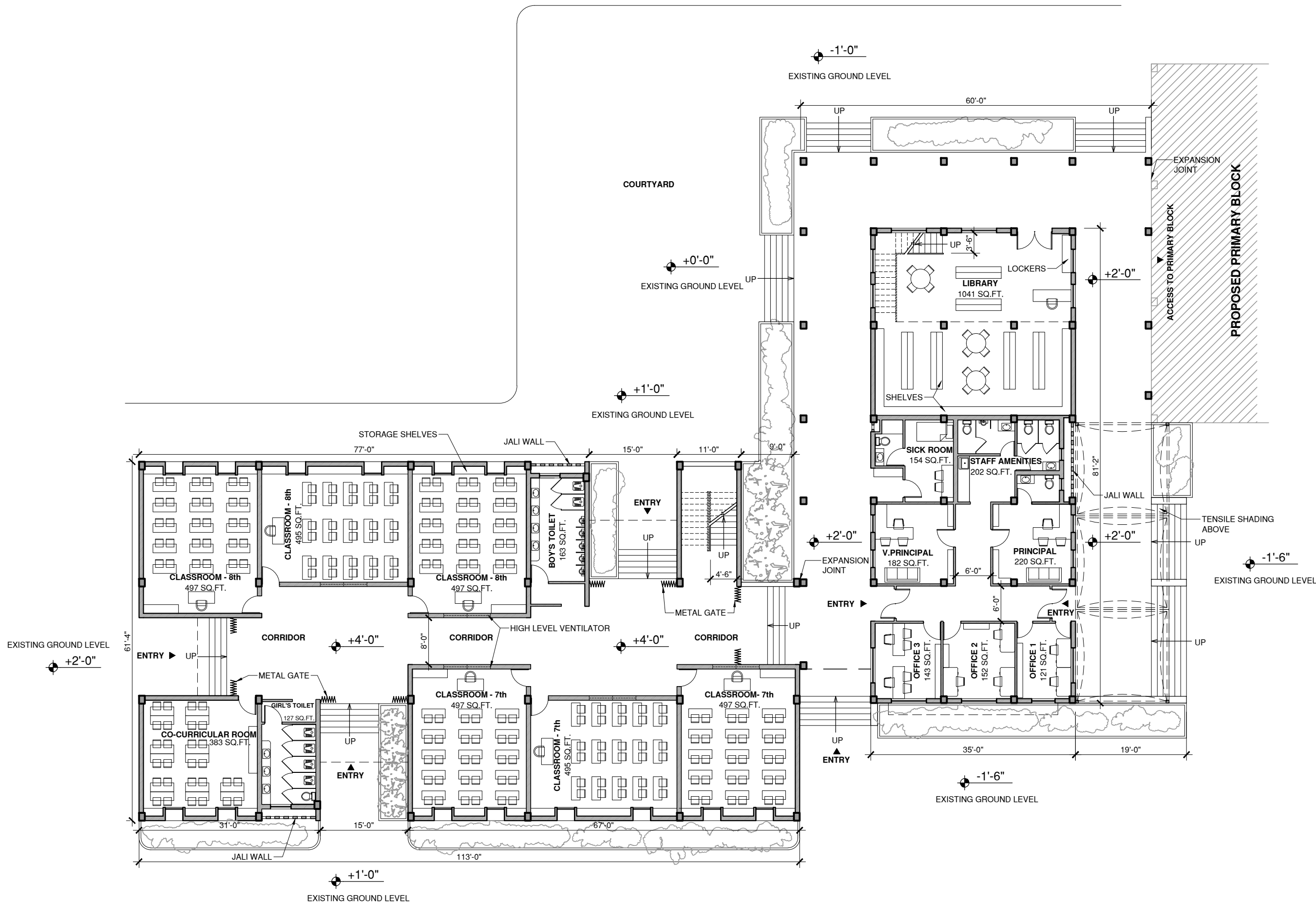
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1 NORTH ENTRANCE - PERSPECTIVE



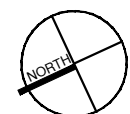
2 SOUTH COURTYARD - PERSPECTIVE

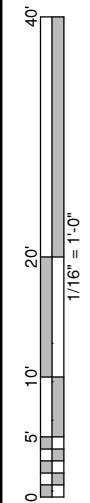


NOTE:
 1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
 2. FLOOR HEIGHTS: 10'-0"

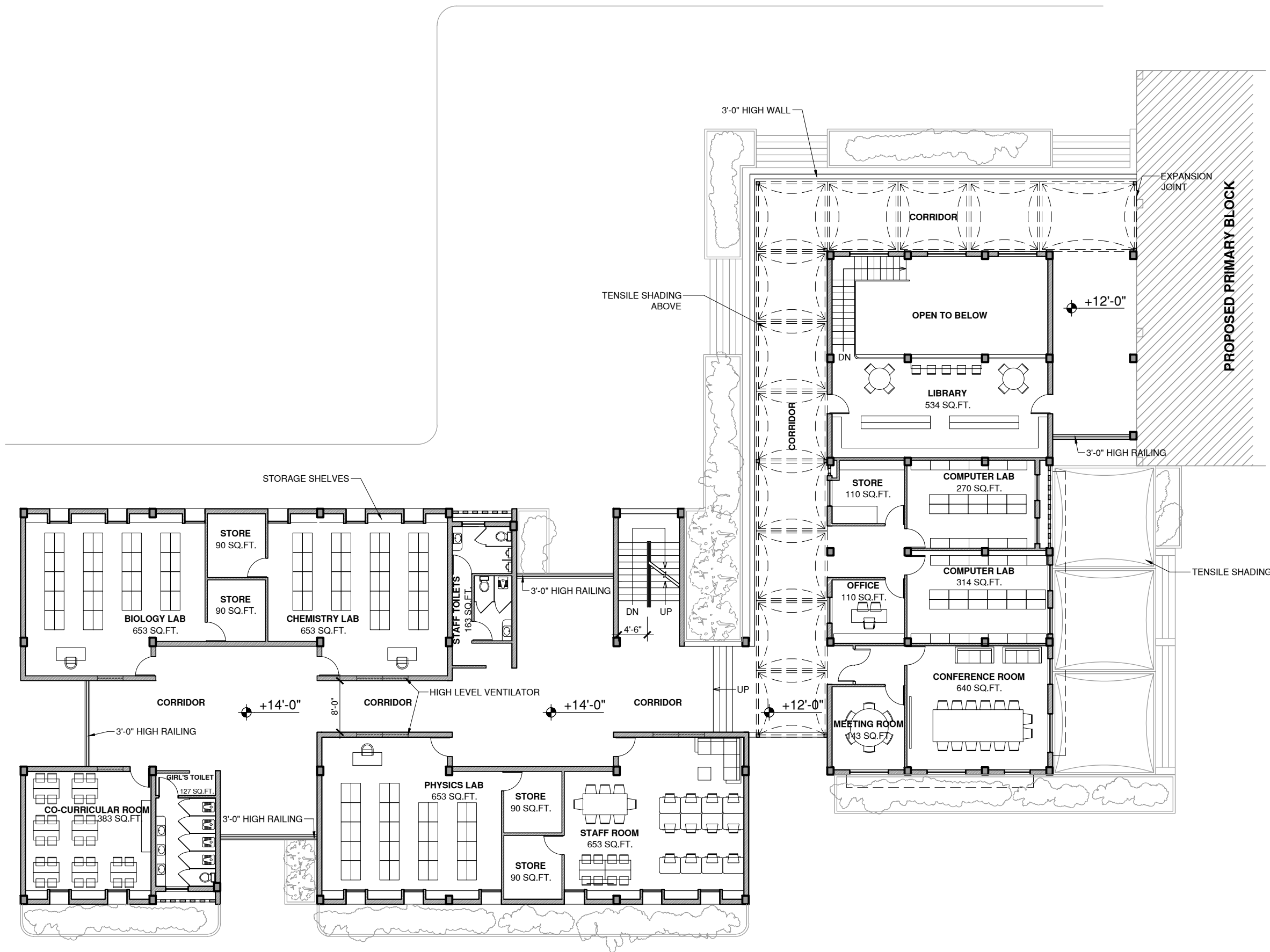
1 **GROUND FLOOR PLAN**
 1/16"=1'-0"
 FLOOR AREA: 8754 SQUARE FEET
 SECONDARY BLOCK : 5913 SQUARE FEET
 ADMIN BLOCK: 2841 SQUARE FEET

WALL LEGEND
 EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
 INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
 LOW / PARTIAL HEIGHT WALL





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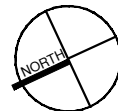
NOTE:
1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
2. FLOOR HEIGHTS: 10'-0"

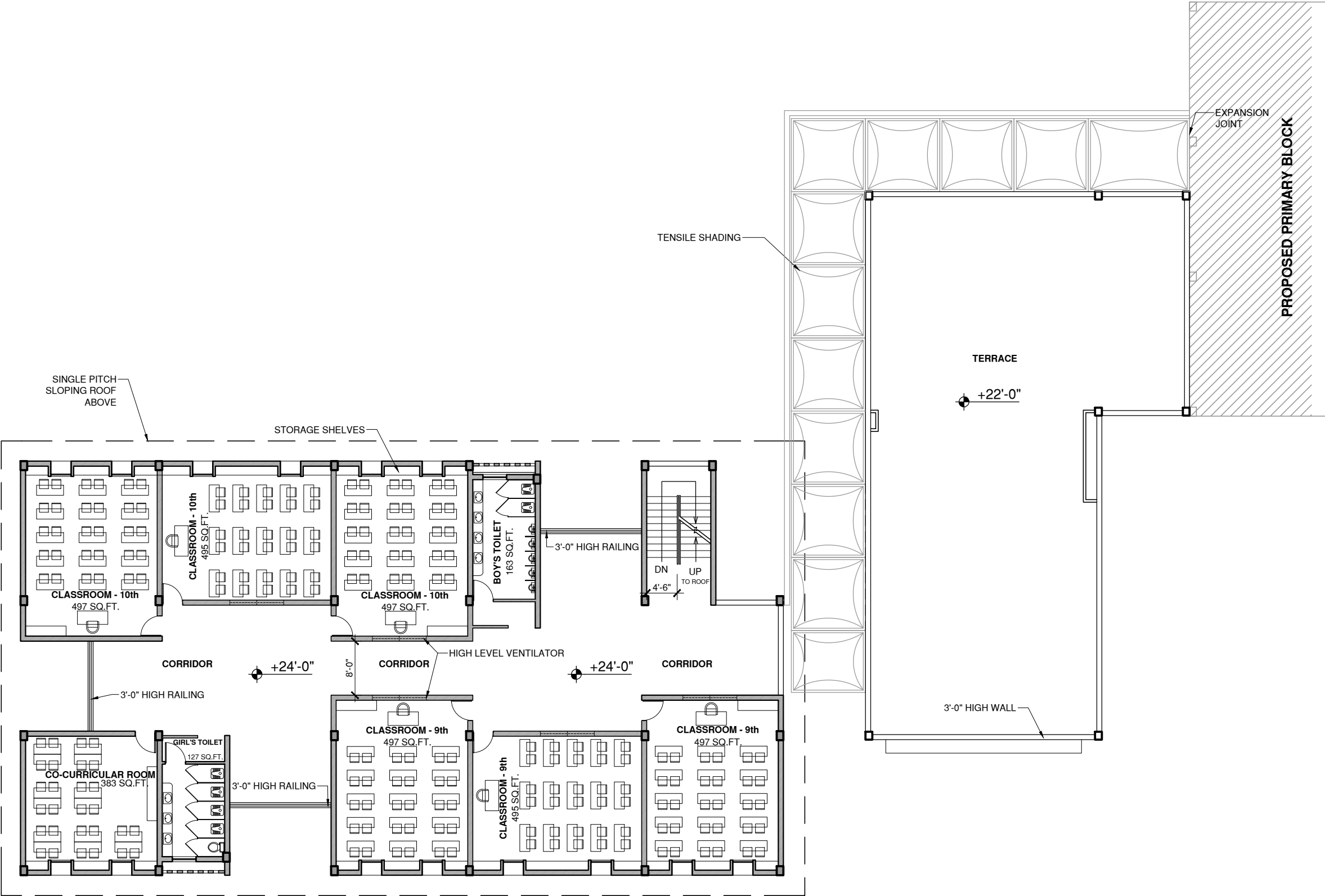
1 **FIRST FLOOR PLAN**
 1/16"=1'-0" **FLOOR AREA: 11138 SQUARE FEET**

SECONDARY BLOCK : 6292 SQUARE FEET
 ADMIN BLOCK: 4846 SQUARE FEET

WALL LEGEND

- EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
- INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
- LOW / PARTIAL HEIGHT WALL





NOTE:
 1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
 2. FLOOR HEIGHTS: 10'-0"

1

SECOND FLOOR PLAN
 1/16"=1'-0"

FLOOR AREA: 9564 SQUARE FEET

SECONDARY BLOCK: 6292 SQUARE FEET
 ADMIN BLOCK TERRACE: 3272 SQUARE FEET

WALL LEGEND

- EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
- INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
- LOW / PARTIAL HEIGHT WALL



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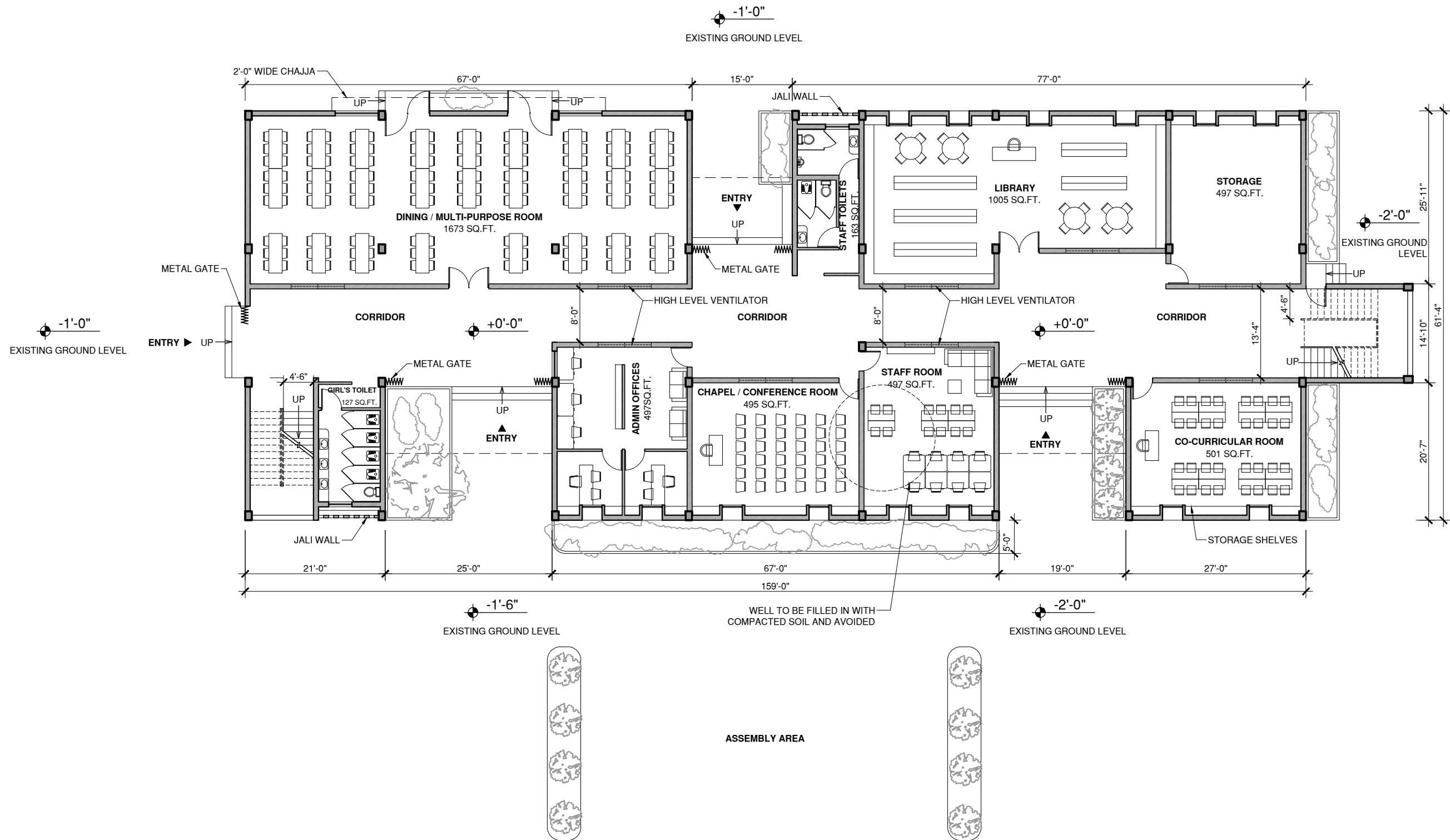
PROJECT NO. :
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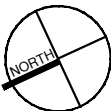
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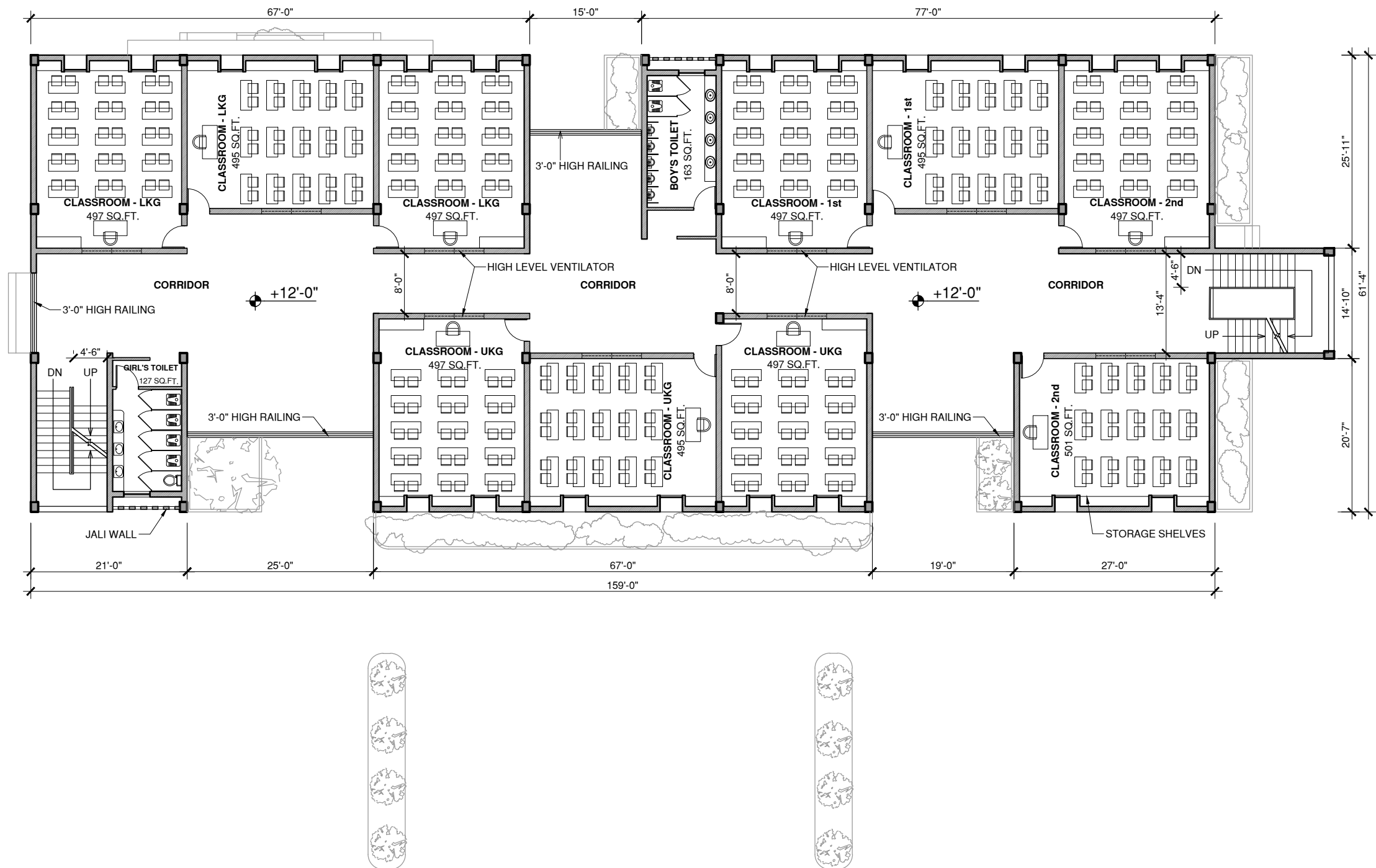


1 GROUND FLOOR PLAN 1/16"=1'-0" FLOOR AREA: 8782 SQUARE FEET

NOTE:
1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6
+93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
2. FLOOR HEIGHTS-
GROUND FLOOR: 12'-0"
FIRST AND SECOND FLOOR: 10'-0"

WALL LEGEND
 EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
 INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
 LOW / PARTIAL HEIGHT WALL





1

FIRST FLOOR PLAN
 1/16"=1'-0"

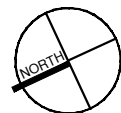
FLOOR AREA: 9398 SQUARE FEET

NOTE:

- FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6
 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
- FLOOR HEIGHTS-
 GROUND FLOOR: 12'-0"
 FIRST AND SECOND FLOOR: 10'-0"

WALL LEGEND

- EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
- INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
- LOW / PARTIAL HEIGHT WALL

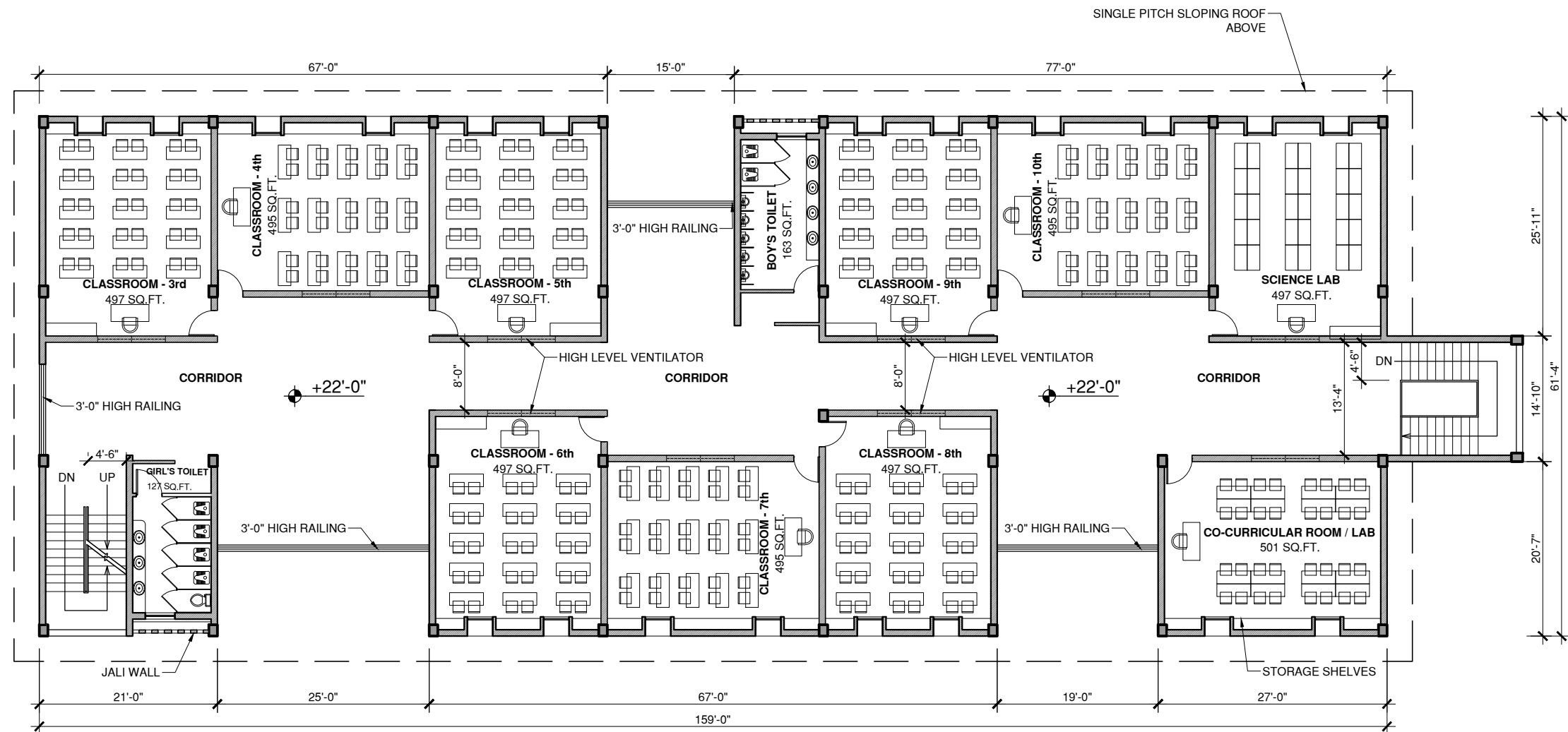


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PRIMARY BLOCK CONCEPT - PHASE 1
 FIRST FLOOR PLAN

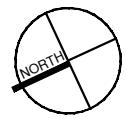
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A2a



1 SECOND FLOOR PLAN
 1/16"=1'-0" FLOOR AREA: 9398 SQUARE FEET
 NOTE:
 1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6
 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
 2. FLOOR HEIGHTS-
 GROUND FLOOR: 12'-0"
 FIRST AND SECOND FLOOR: 10'-0"

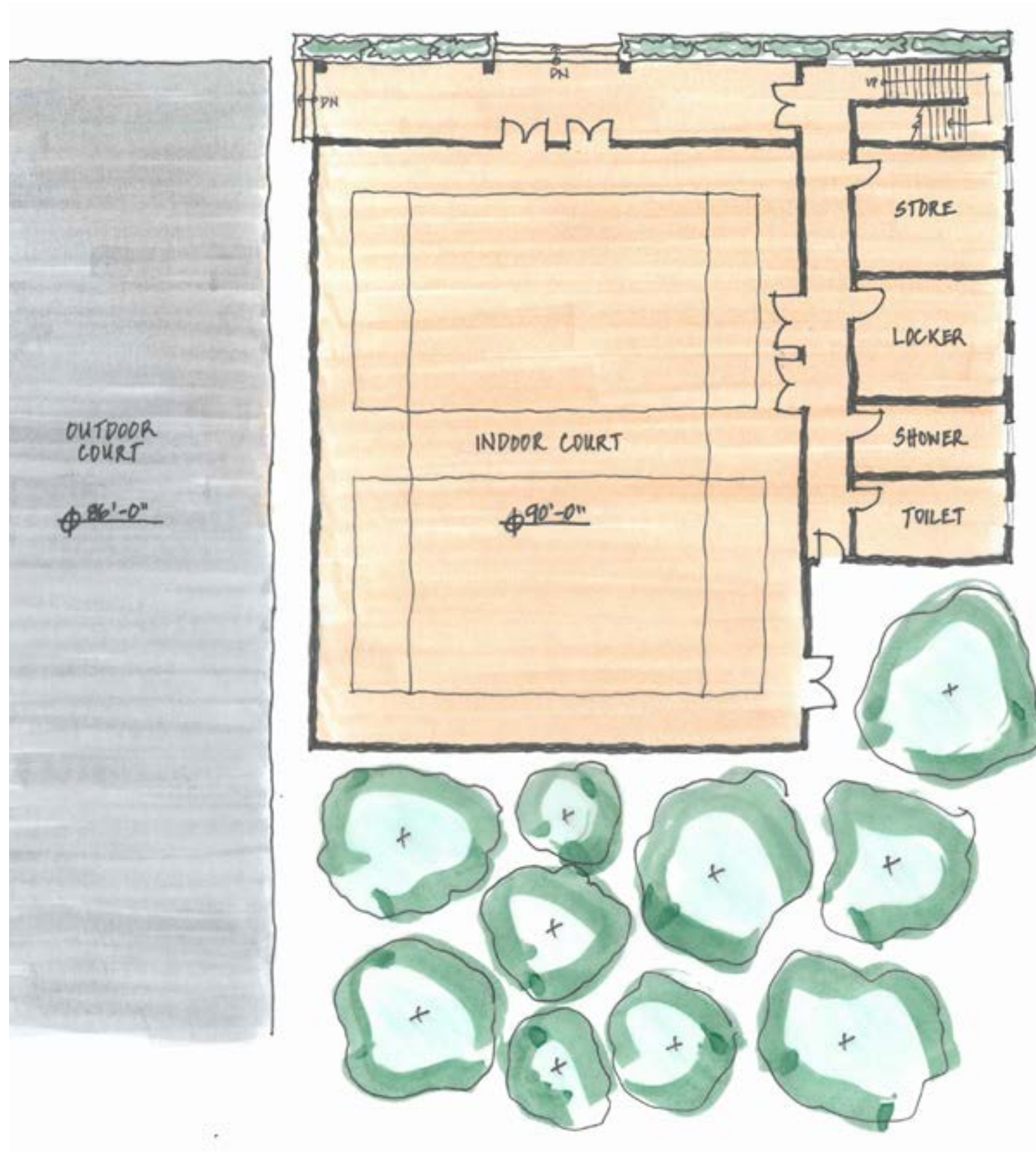
WALL LEGEND
 EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
 INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
 LOW / PARTIAL HEIGHT WALL



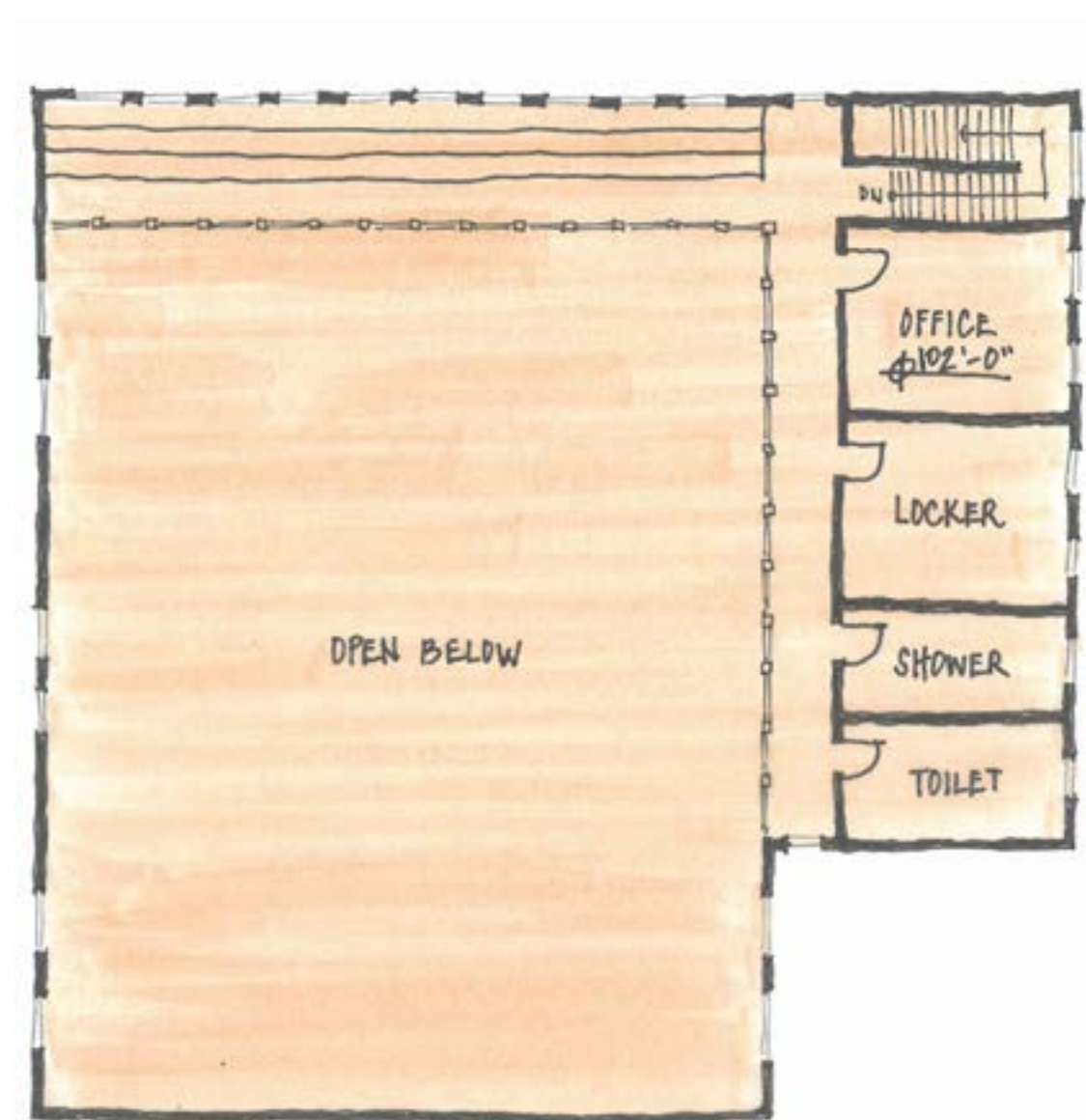
HOPE ACADEMY
 VISAKHAPATNAM, INDIA
 PRIMARY BLOCK CONCEPT - PHASE 1
 SECOND FLOOR PLAN

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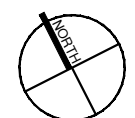
A3a



1 **GROUND FLOOR PLAN**
1/16"=1'-0" FLOOR AREA: 6540 SQUARE FEET



2 **FIRST FLOOR PLAN**
1/16"=1'-0" FLOOR AREA: 2480 SQUARE FEET

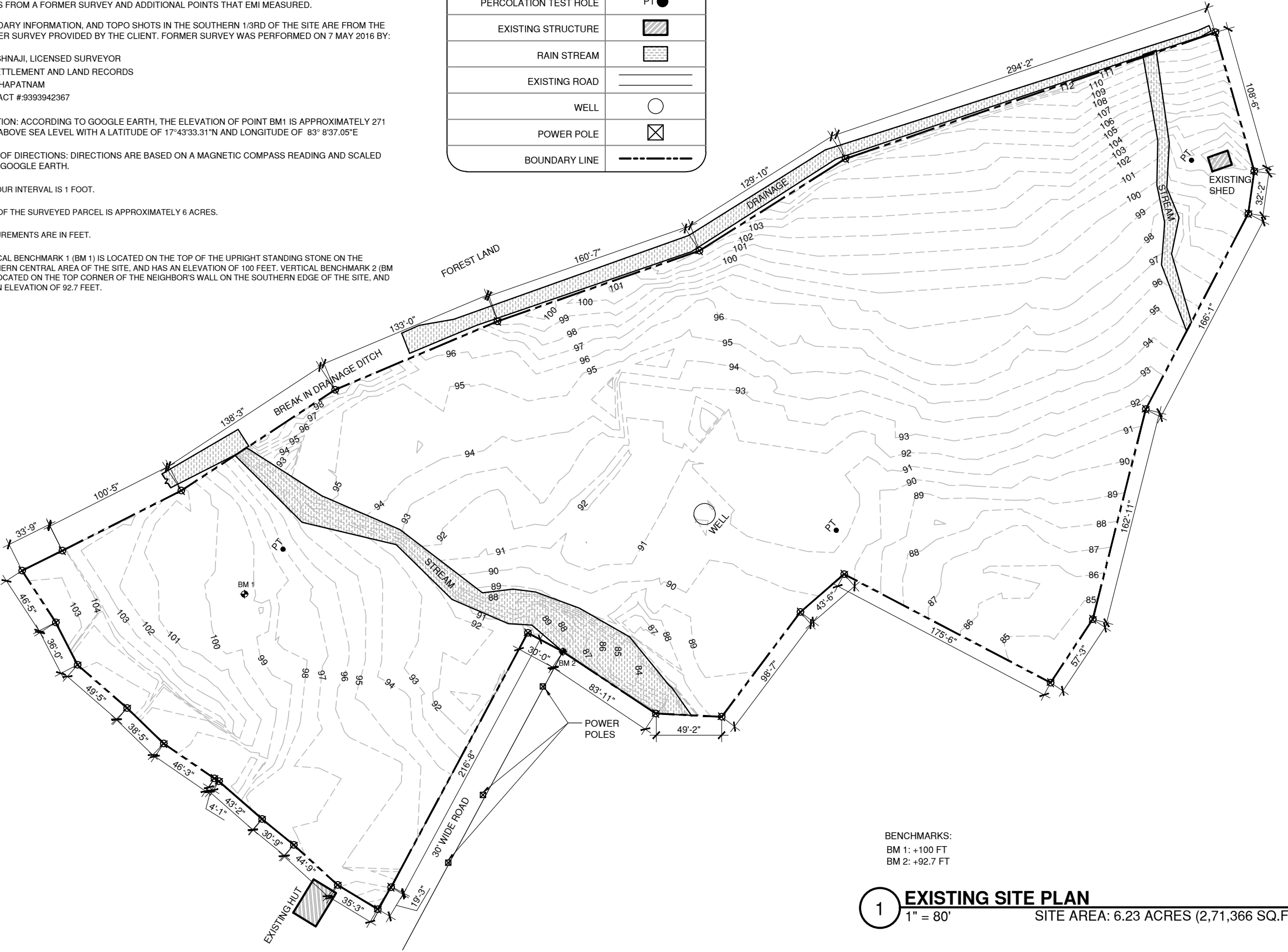


NOTES:

- TOPOGRAPHIC SURVEY WAS PERFORMED FOR THE PURPOSE OF PREPARING A MASTER PLAN. DETAIL OF THE FEATURES SURVEYED MEETS THE REQUIREMENTS FOR THIS PURPOSE. ELEVATIONS WERE MEASURED TO OBTAIN A GENERAL IDEA OF THE TERRAIN OF THE PROPERTY TO PREPARE THE MASTER PLAN. ELEVATIONS ARE RELATIVE TO THE ELEVATION AT BM1.
- SURVEY EQUIPMENT & DATE: SITE WAS SURVEYED BY EMI ON SEPTEMBER 12-15, 2016. A TOPCON GPT-212 TOTAL STATION AND A TRIMBLE TSC2 DATA COLLECTOR WERE USED TO COLLECT SITE INFORMATION. PROCESSING OF SURVEY WAS DONE IN CIVIL3D, USING A COMBINATION OF THE SHOTS FROM A FORMER SURVEY AND ADDITIONAL POINTS THAT EMI MEASURED.
- BOUNDARY INFORMATION, AND TOPO SHOTS IN THE SOUTHERN 1/3RD OF THE SITE ARE FROM THE FORMER SURVEY PROVIDED BY THE CLIENT. FORMER SURVEY WAS PERFORMED ON 7 MAY 2016 BY:

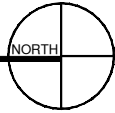
U.KRISHNAJI, LICENSED SURVEYOR
A.P.SETTLEMENT AND LAND RECORDS
VISAKHAPATNAM
CONTACT #:9393942367
- LOCATION: ACCORDING TO GOOGLE EARTH, THE ELEVATION OF POINT BM1 IS APPROXIMATELY 271 FEET ABOVE SEA LEVEL WITH A LATITUDE OF 17°43'33.31"N AND LONGITUDE OF 83° 8'37.05"E
- BASIS OF DIRECTIONS: DIRECTIONS ARE BASED ON A MAGNETIC COMPASS READING AND SCALED FROM GOOGLE EARTH.
- CONTOUR INTERVAL IS 1 FOOT.
- AREA OF THE SURVEYED PARCEL IS APPROXIMATELY 6 ACRES.
- MEASUREMENTS ARE IN FEET.
- VERTICAL BENCHMARK 1 (BM 1) IS LOCATED ON THE TOP OF THE UPRIGHT STANDING STONE ON THE NORTHERN CENTRAL AREA OF THE SITE, AND HAS AN ELEVATION OF 100 FEET. VERTICAL BENCHMARK 2 (BM 2) IS LOCATED ON THE TOP CORNER OF THE NEIGHBOR'S WALL ON THE SOUTHERN EDGE OF THE SITE, AND HAS AN ELEVATION OF 92.7 FEET.

LEGEND	
PROPERTY CORNER	
VERTICAL BENCHMARK	BM X
PERCOLATION TEST HOLE	PT
EXISTING STRUCTURE	
RAIN STREAM	
EXISTING ROAD	
WELL	
POWER POLE	
BOUNDARY LINE	

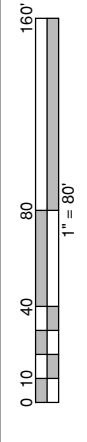


BENCHMARKS:
BM 1: +100 FT
BM 2: +92.7 FT

1 EXISTING SITE PLAN
1" = 80' SITE AREA: 6.23 ACRES (2,71,366 SQ.FT.)



HOPE ACADEMY
VISAKHAPATNAM, INDIA



EXISTING SITE PLAN

PROJECT NO. : 8269	
DRAWN BY : TC, NH	
ISSUE DATE: DEC 2016	
REVISION :	DATE :
CHECKED : ACK	DATE : DEC 2016

C0

LEGEND	
PHASE 1	
PHASE 2	
FUTURE PHASE	
POTENTIAL FUTURE EXPANSION	
RAIN STREAM	
DRAINAGE DITCH EXTENSION	
4" PVC COLLECTION PIPE	
NEW CAMPUS BOREWELL	
FUTURE BOREWELL LOCATION	
PIPE FLOW DIRECTION	
WASTEWATER SEPTIC TANK	
WASTEWATER SOAK TRENCH	
HOSE FOR GREYWATER DISPERSION	
SEPTIC TANK #X	
SOAK TRENCH #X	
BOUNDARY LINE	

BUILDING KEY	
①	PRIMARY BLOCK
②	ADMINISTRATION BLOCK
③	SECONDARY BLOCK
④	GYMNASIUM
⑤	SPORTS FIELD
⑥	BASKETBALL COURT
⑦	STAFF HOUSING



PRIMARY TREATMENT OF WASTEWATER*	
SEP1: PRIMARY AND ADMIN BLOCK SEPTIC TANK	(1) 11' L x 4'W x 6'D
SEP2: PRIMARY BLOCK SEPTIC TANK 2	(1) 11' L x 4'W x 6'D
SEP3: SECONDARY BLOCK SEPTIC TANK 1	(1) 9' L x 3'W x 6'D
SEP4: SECONDARY BLOCK SEPTIC TANK 2	(1) 9' L x 3'W x 6'D
SEP5: GYMNASIUM SEPTIC TANK	(1) 10' L x 3'W x 6'D
SEP6: STAFF HOUSING SEPTIC TANK	(1) 10' L x 3'W x 6'D

*SEE APPENDIX B IN REPORT FOR IMAGE OF SEPTIC TANK

SECONDARY TREATMENT OF WASTEWATER*	
TR1: PRIMARY AND ADMIN BLOCK SOAK TRENCH	(2) 130' L x 3'W x 3'D
TR2: PRIMARY BLOCK SOAK TRENCH 2	(2) 125' L x 3'W x 3'D
TR3: SECONDARY BLOCK SOAK TRENCH 1	(2) 70' L x 3'W x 3'D
TR4: SECONDARY BLOCK SOAK TRENCH 2	(2) 55' L x 3'W x 3'D
TR5: GYMNASIUM SOAK TRENCH	(1) 85' L x 3'W x 3'D
TR6: STAFF HOUSING SOAK TRENCH	(1) 25' L x 2'W x 2'D

*SEE APPENDIX C IN REPORT FOR IMAGE OF SOAK TRENCH

1 WASTEWATER DISTRIBUTION - CONCEPT 1" = 80'



emi2 south asia
engineering ministries international : india
shivajik A - 329
basement, malviya nagar
new delhi 110017

HOPE ACADEMY
VISAKHAPATNAM, INDIA

WASTEWATER DISTRIBUTION
CONCEPT

PROJECT NO. :
8269

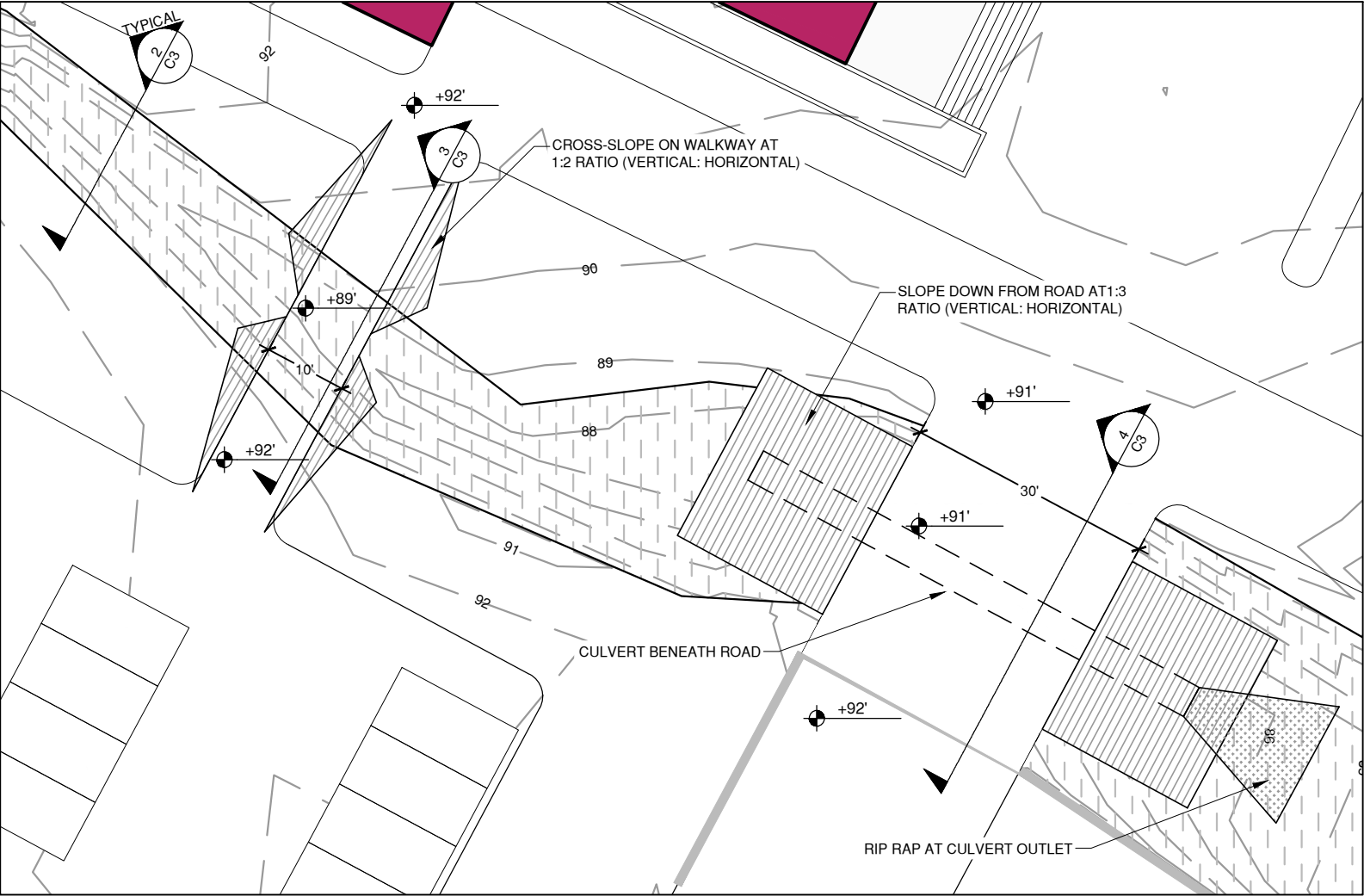
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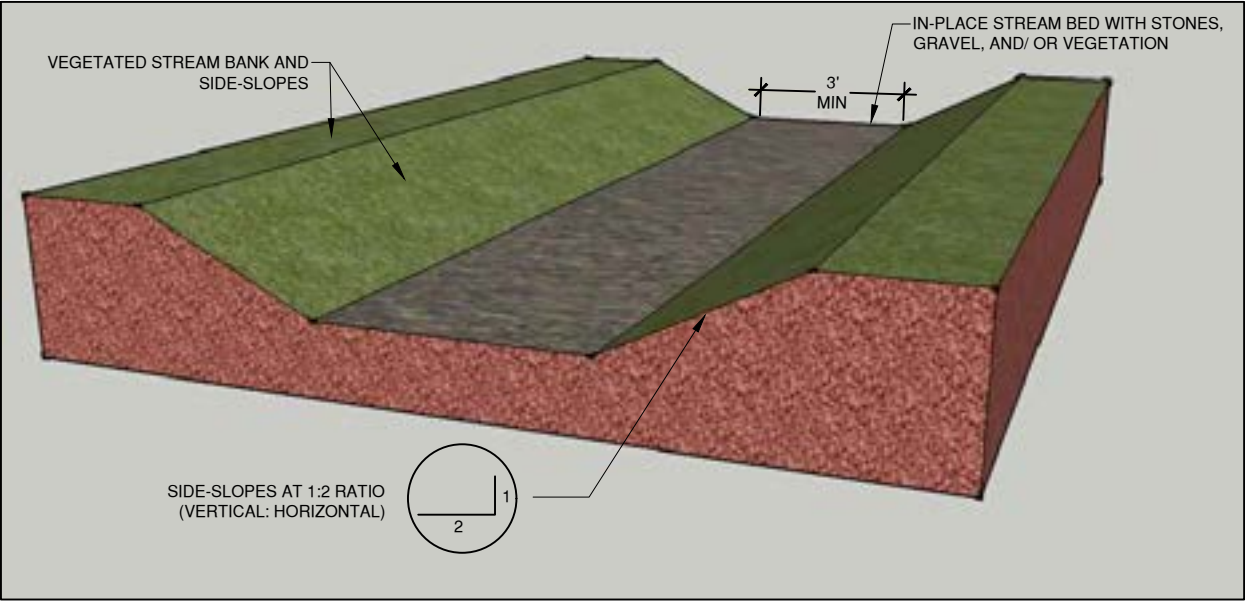
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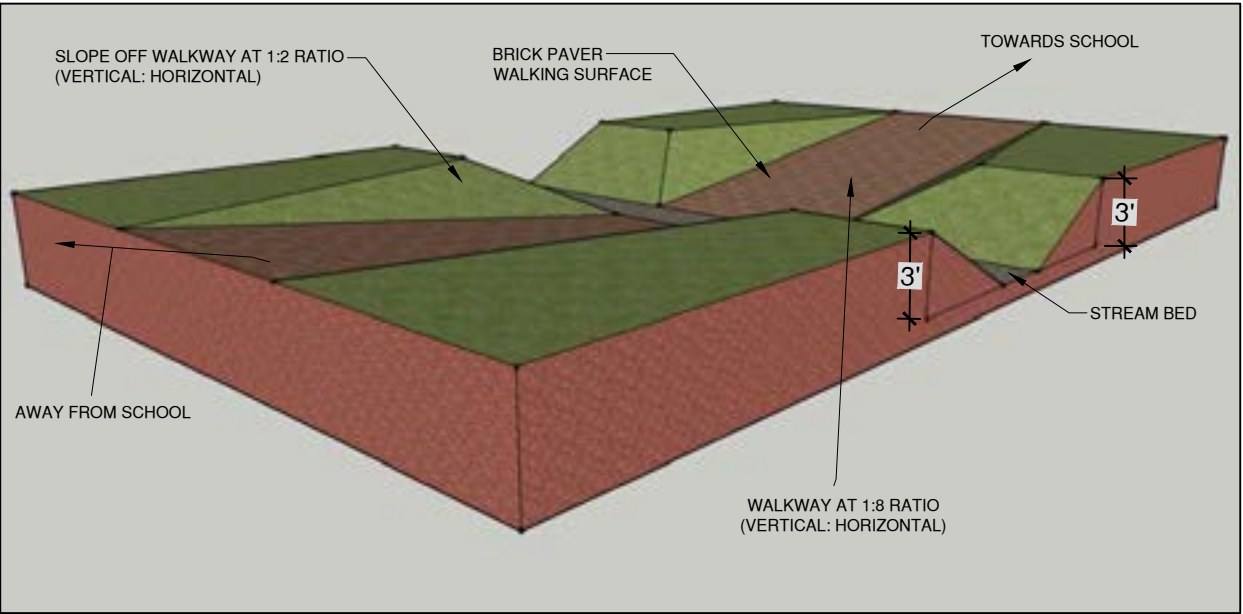


1 SITE MODIFICATION - CONCEPT
1" = 20'

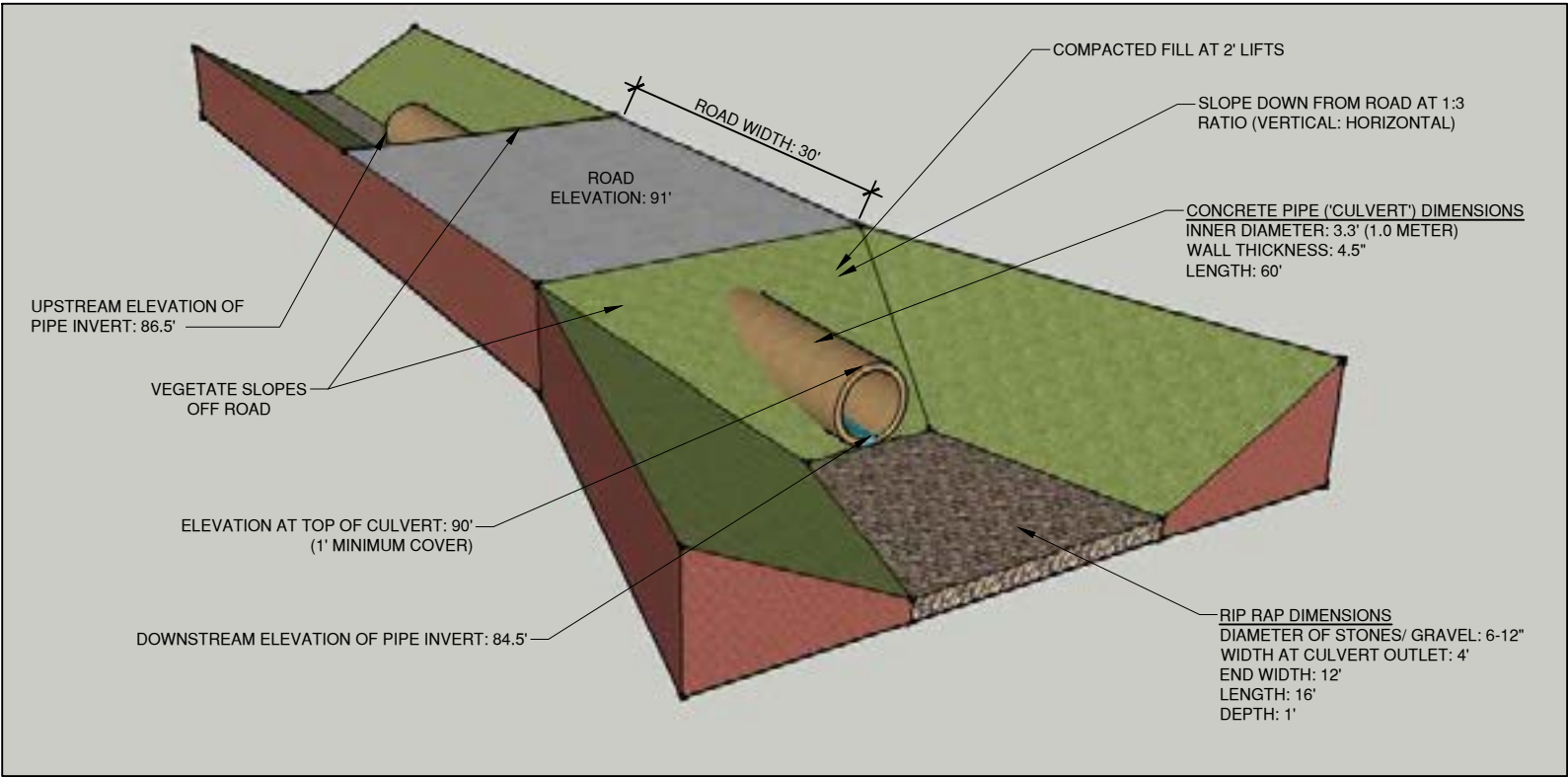


2 TYPICAL STREAM SECTION
NOT TO SCALE

NOTE: SPECIFICATIONS ABOVE SHOULD BE APPLIED TO THE 500' OF RAIN STREAM WHICH PASSES THROUGH THE SITE. STREAM BED MAY BE ALLOWED TO MEANDER; IT IS NOT NECESSARY TO MAKE STREAM LINEAR.



3 PEDESTRIAN STREAM CROSSING
NOT TO SCALE



4 ROAD STREAM CROSSING
NOT TO SCALE